

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080618\
 Data File : VN050380.D
 Acq On : 6 Aug 2018 13:14
 Operator : MD\SY
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 8/7/2018 9:58:23 AM

Quant Time: Aug 06 13:34:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 06 12:50:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	702610	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1023118	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	988740	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	558732	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	1334825	136.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	272.32%	
35) Dibromofluoromethane	7.59	113	1184338	141.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	283.56%	
50) Toluene-d8	10.09	98	4609837	150.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	300.20%	
62) 4-Bromofluorobenzene	12.40	95	1675437	165.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	331.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	1104292	109.39	ug/l	99
3) Chloromethane	2.06	50	1345678	122.63	ug/l	99
4) Vinyl Chloride	2.18	62	1443931	124.95	ug/l	98
5) Bromomethane	2.53	94	743839m	104.64	ug/l	
6) Chloroethane	2.68	64	863137	124.37	ug/l	98
7) Trichlorofluoromethane	3.00	101	1812741	121.09	ug/l	99
8) Diethyl Ether	3.41	74	713064	142.88	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	1128393	125.34	ug/l	99
10) Methyl Iodide	3.95	142	737903	63.86	ug/l	98
11) Tert butyl alcohol	4.80	59	598888	830.30	ug/l	99
12) 1,1-Dichloroethene	3.73	96	1088840	134.46	ug/l	97
13) Acrolein	3.60	56	762299	1315.40	ug/l	98
14) Allyl chloride	4.32	41	1795784	143.01	ug/l	97
15) Acrylonitrile	4.99	53	2448820	778.17	ug/l	99
16) Acetone	3.82	43	2090172	817.60	ug/l	100
17) Carbon Disulfide	4.05	76	3379767	136.23	ug/l	100
18) Methyl Acetate	4.33	43	1096120	93.67	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	3309293	153.35	ug/l	100
20) Methylene Chloride	4.55	84	1258681	127.92	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	1176796	137.14	ug/l	99
22) Diisopropyl ether	5.96	45	3790959	152.26	ug/l	96
23) Vinyl Acetate	5.90	43	14042862	798.12	ug/l	99
24) 1,1-Dichloroethane	5.85	63	2174965	133.59	ug/l	100
25) 2-Butanone	6.84	43	3631274	971.15	ug/l	99
26) 2,2-Dichloropropane	6.83	77	1729889	139.67	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	1345480	145.66	ug/l	100
28) Bromochloromethane	7.20	49	935892	126.03	ug/l	100
29) Tetrahydrofuran	7.22	42	1918037	793.82	ug/l	99
30) Chloroform	7.37	83	2183675	131.44	ug/l	99
31) Cyclohexane	7.65	56	1995668	127.69	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	1894385	133.30	ug/l	99
36) 1,1-Dichloropropene	7.79	75	1711264	148.46	ug/l	100
37) Ethyl Acetate	6.93	43	1271869	158.26	ug/l	99
38) Carbon Tetrachloride	7.78	117	1689447	138.13	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1958392	165.15	ug/l	98
40) Benzene	8.04	78	5123272	146.06	ug/l	100
41) Methacrylonitrile	7.18	41	686715	182.15	ug/l #	82
42) 1,2-Dichloroethane	8.13	62	1600957	136.81	ug/l	100
43) Isopropyl Acetate	8.17	43	2190006	112.58	ug/l #	87
44) Trichloroethene	8.84	130	1354723	143.74	ug/l	100
45) 1,2-Dichloropropane	9.12	63	1332403	143.42	ug/l	98
46) Dibromomethane	9.21	93	827645	143.47	ug/l	99
47) Bromodichloromethane	9.40	83	1721310	141.38	ug/l	100
48) Methyl methacrylate	9.20	41	1112910	160.79	ug/l	98
49) 1,4-Dioxane	9.20	88	344476	3657.17	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	8033229	1016.82	ug/l	99
52) Toluene	10.16	92	3224366	155.73	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	1911193	166.35	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	2085193	158.81	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	1198852	145.98	ug/l	99
56) Ethyl methacrylate	10.43	69	1765957	181.99	ug/l	98
57) 1,3-Dichloropropane	10.71	76	2027885	151.64	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	4100083	907.92	ug/l	100
59) 2-Hexanone	10.75	43	5732459	1099.59	ug/l	98
60) Dibromochloromethane	10.90	129	1380802	151.86	ug/l	99
61) 1,2-Dibromoethane	11.01	107	1253336	153.82	ug/l	98
64) Tetrachloroethene	10.63	164	1295655	136.30	ug/l	99
65) Chlorobenzene	11.44	112	3578757	143.29	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	1313119	136.84	ug/l	99
67) Ethyl Benzene	11.51	91	6288577	156.75	ug/l	100
68) m/p-Xylenes	11.62	106	4820185	317.64	ug/l	99
69) o-Xylene	11.95	106	2340496	161.79	ug/l	99
70) Styrene	11.97	104	3934876	172.00	ug/l	99
71) Bromoform	12.13	173	1053099	150.86	ug/l	99
73) Isopropylbenzene	12.25	105	6186465	142.77	ug/l	100
74) N-amyl acetate	12.07	43	2110981	159.39	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	1645882	124.19	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	1472218m	141.78	ug/l	
77) Bromobenzene	12.53	156	1620165	134.90	ug/l	99
78) n-propylbenzene	12.59	91	7200127	148.66	ug/l	100
79) 2-Chlorotoluene	12.68	91	4242944	141.34	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	5181817	152.03	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	509223	155.55	ug/l	95
82) 4-Chlorotoluene	12.78	91	4358822	146.62	ug/l	99
83) tert-Butylbenzene	12.99	119	4434459	149.08	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	5335017	155.29	ug/l	99
85) sec-Butylbenzene	13.17	105	5959976	149.96	ug/l	100
86) p-Isopropyltoluene	13.29	119	5312300	158.62	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	2911105	142.98	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	2876402	144.95	ug/l	100
89) n-Butylbenzene	13.62	91	4560835	165.61	ug/l	99
90) Hexachloroethane	13.88	117	888998	119.55	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	2795706	137.37	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	290866	136.54	ug/l	94

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QLast Update : Mon Aug 06 12:50:03 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	1739683	193.67	ug/l	98
94) Hexachlorobutadiene	15.01	225	812845	130.46	ug/l	99
95) Naphthalene	15.14	128	4377725	215.69	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	1644035	180.82	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

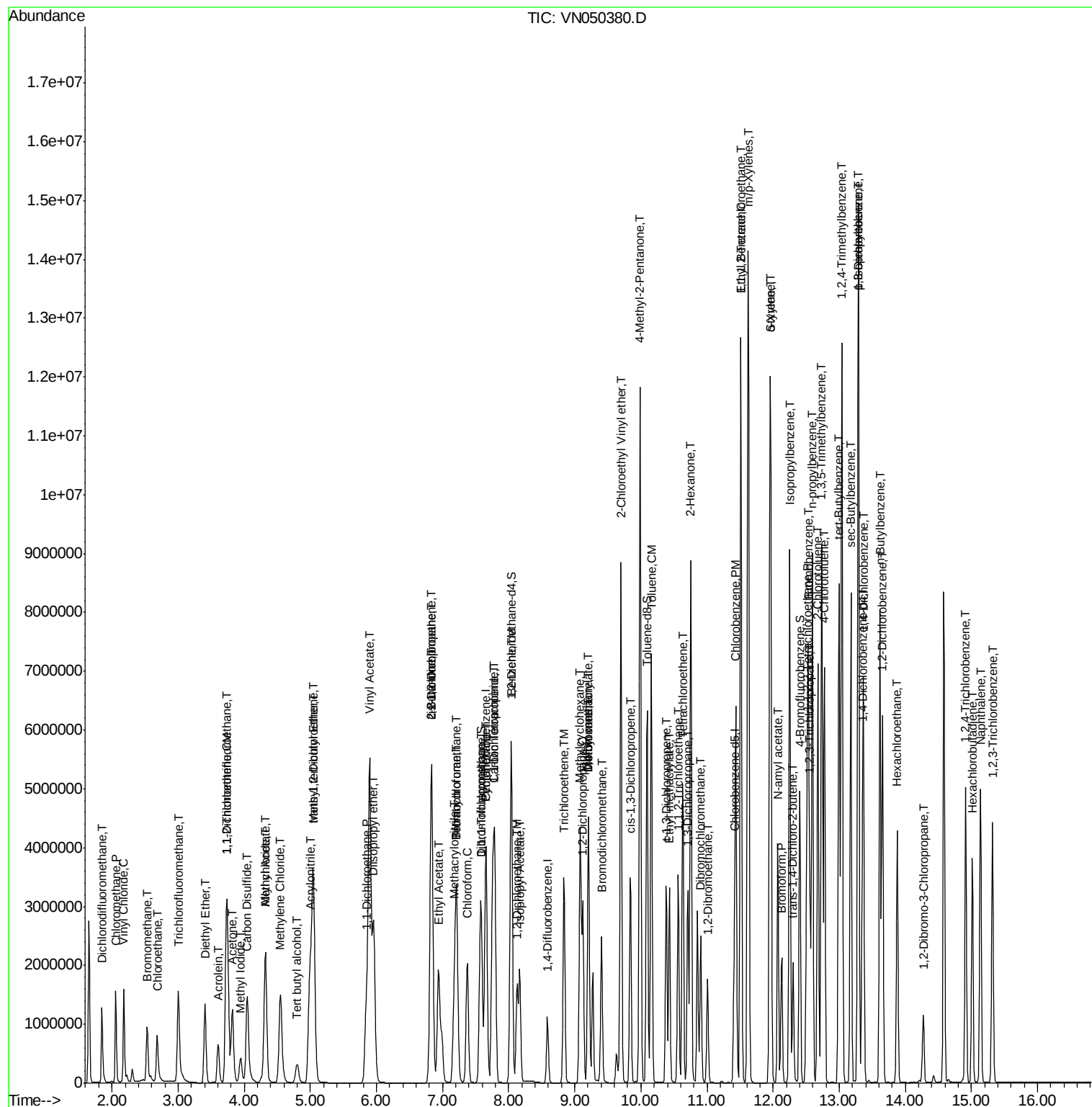
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080618\
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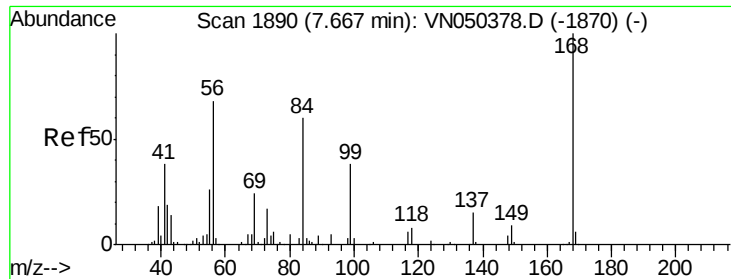
Instrument :
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN050380.D

Acq: 6 Aug 2018 13:14

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion:168 Resp: 702610

Ion Ratio Lower Upper

168 100

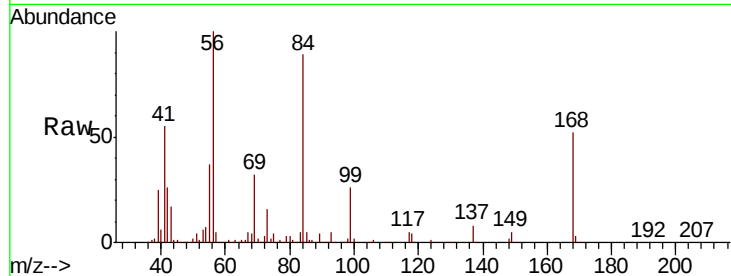
99 50.1 40.0 60.0

Manual Integrations

APPROVED

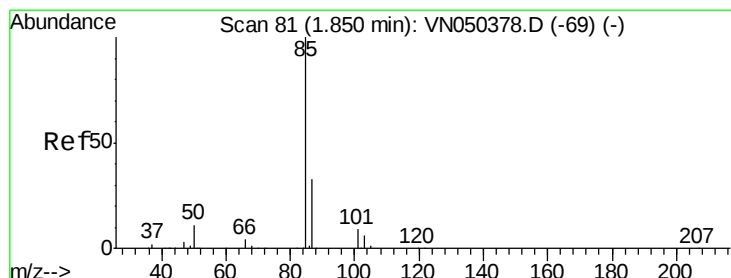
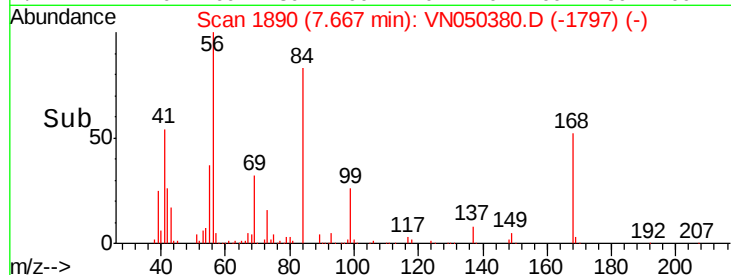
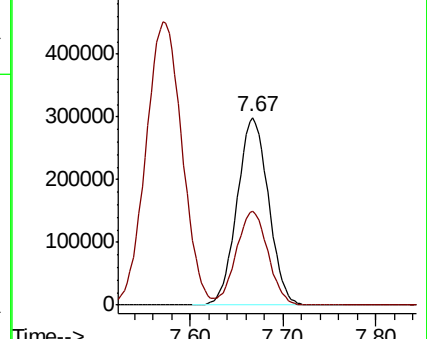
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 109.39 ug/l

RT: 1.85 min Scan# 80

Delta R.T. -0.00 min

Lab File: VN050380.D

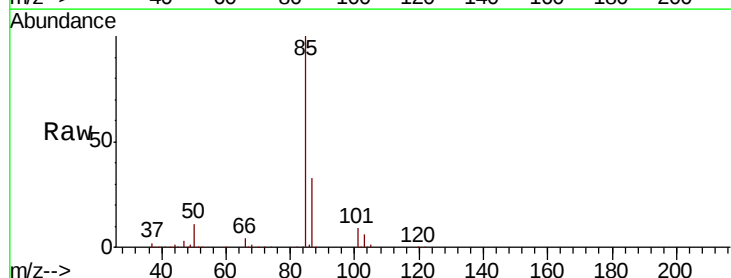
Acq: 6 Aug 2018 13:14

Tgt Ion: 85 Resp: 1104292

Ion Ratio Lower Upper

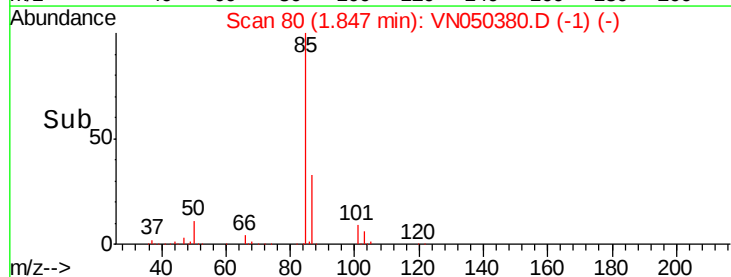
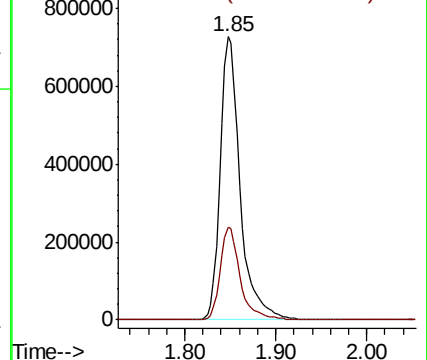
85 100

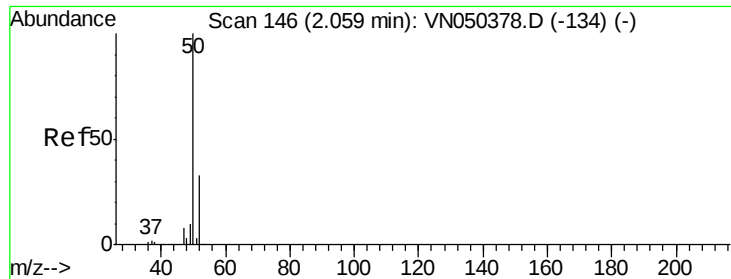
87 32.8 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 122.63 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050380.D

Acq: 6 Aug 2018 13:14

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 50 Resp: 1345678

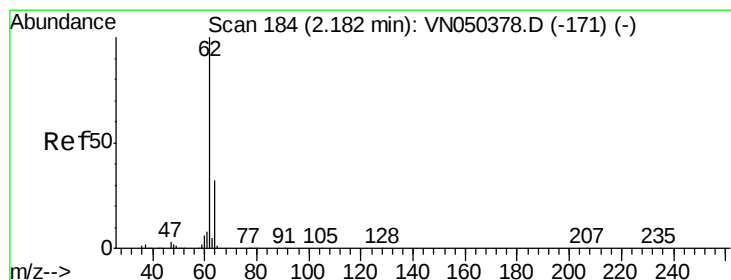
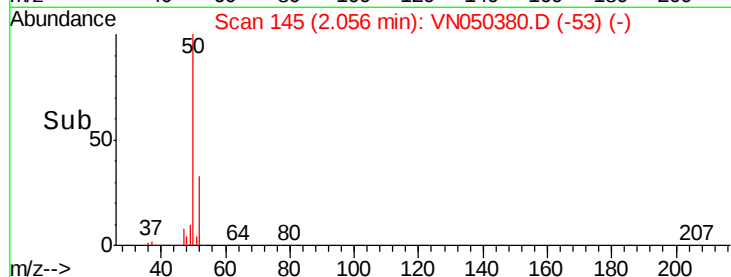
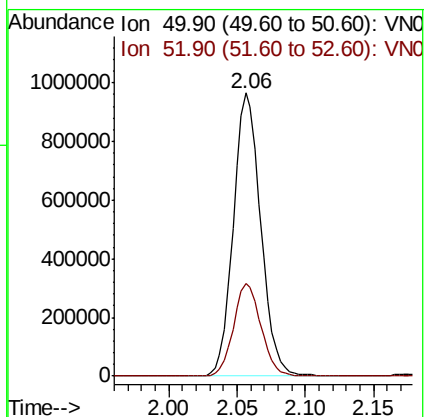
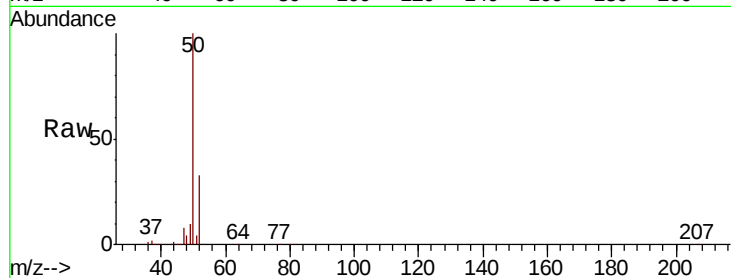
Ion Ratio Lower Upper

50 100

52 33.0 25.9 38.9

Manual Integrations
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#4

Vinyl Chloride

Concen: 124.95 ug/l

RT: 2.18 min Scan# 183

Delta R.T. -0.00 min

Lab File: VN050380.D

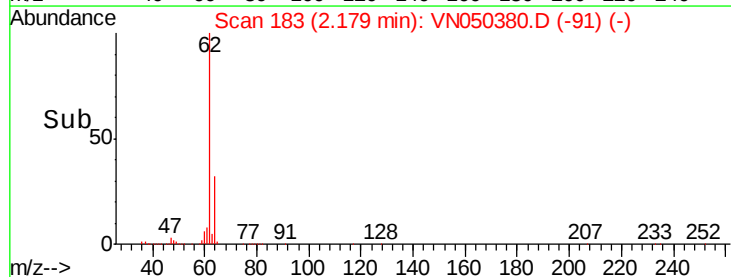
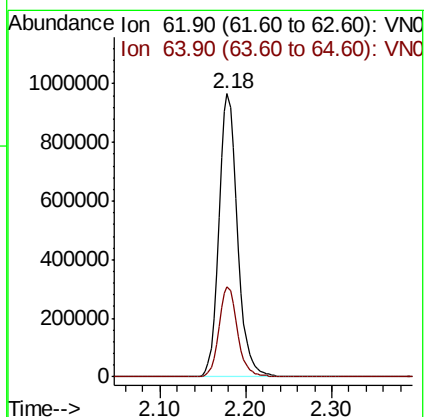
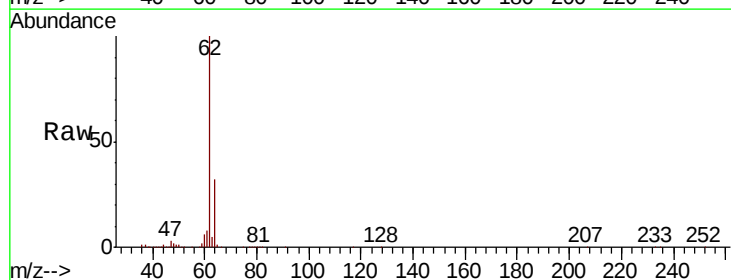
Acq: 6 Aug 2018 13:14

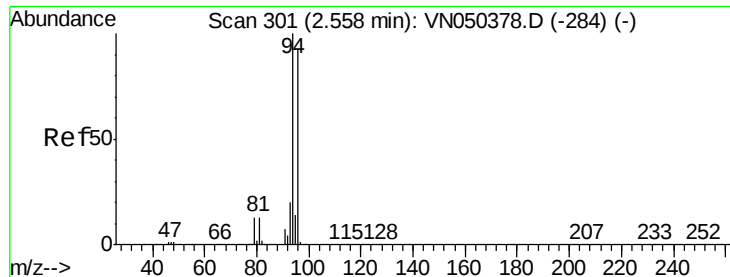
Tgt Ion: 62 Resp: 1443931

Ion Ratio Lower Upper

62 100

64 32.0 24.7 37.1





#5

Bromomethane

Concen: 104.64 ug/l m

RT: 2.53 min Scan# 293

Delta R.T. -0.03 min

Lab File: VN050380.D

Acq: 6 Aug 2018 13:14

Instrument :

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ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 743839

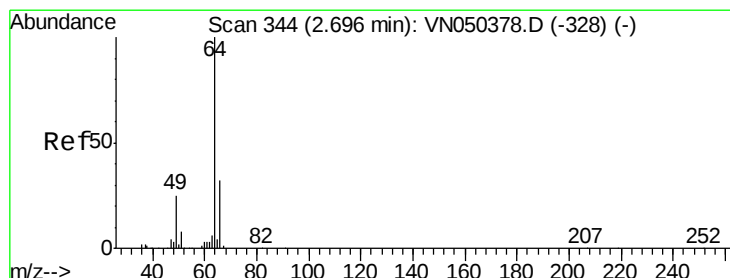
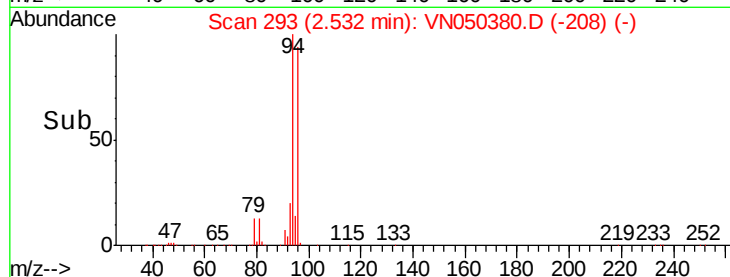
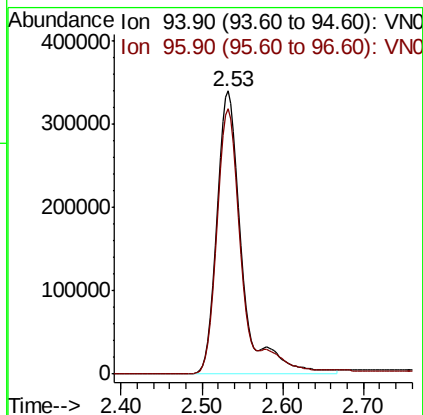
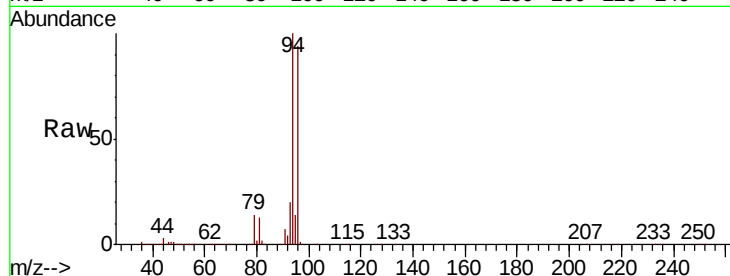
Ion Ratio Lower Upper

94 100

96 93.6 74.6 112.0

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#6

Chloroethane

Concen: 124.37 ug/l

RT: 2.68 min Scan# 340

Delta R.T. -0.01 min

Lab File: VN050380.D

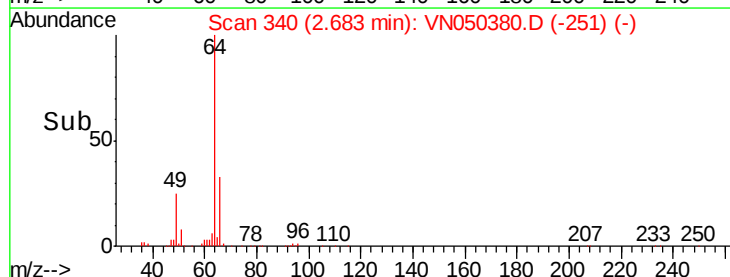
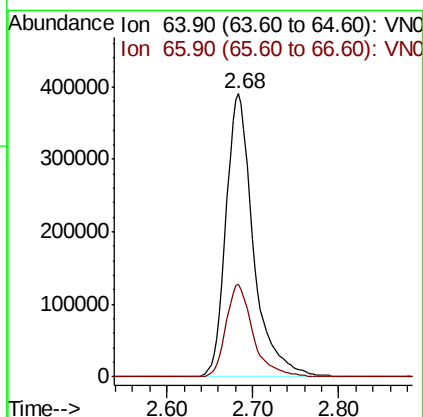
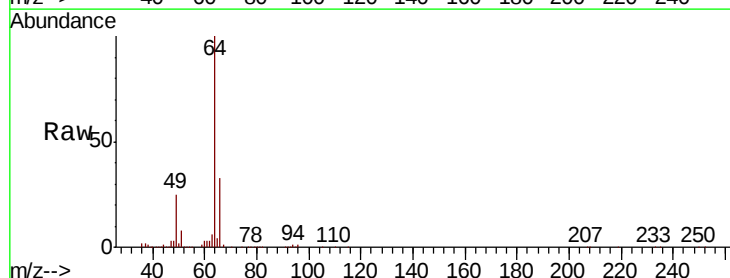
Acq: 6 Aug 2018 13:14

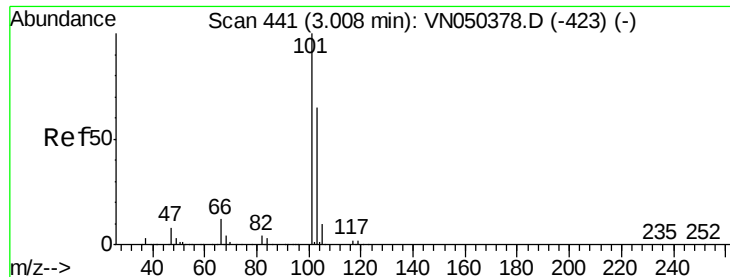
Tgt Ion: 64 Resp: 863137

Ion Ratio Lower Upper

64 100

66 32.5 25.3 37.9





#7

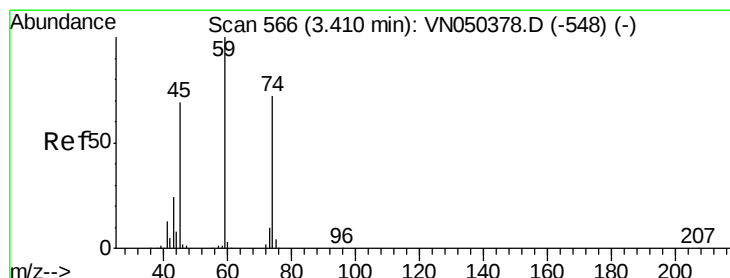
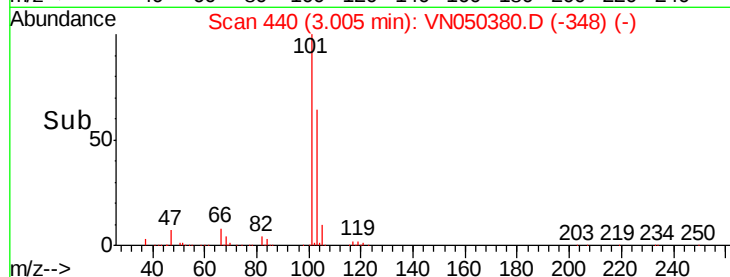
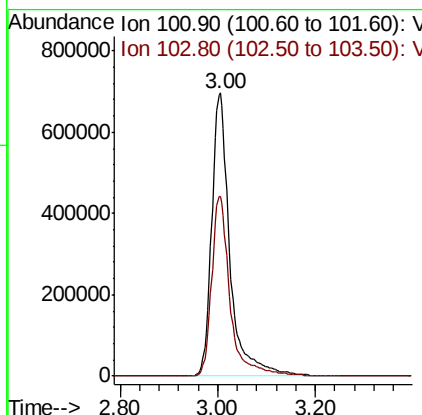
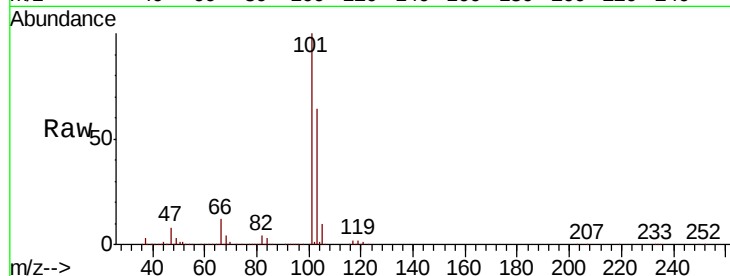
Trichlorofluoromethane
Concen: 121.09 ug/l
RT: 3.00 min Scan# 440
Delta R.T. -0.00 min
Lab File: VN050380.D
Acq: 6 Aug 2018 13:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:101 Resp: 1812741
Ion Ratio Lower Upper
101 100
103 63.6 51.7 77.5

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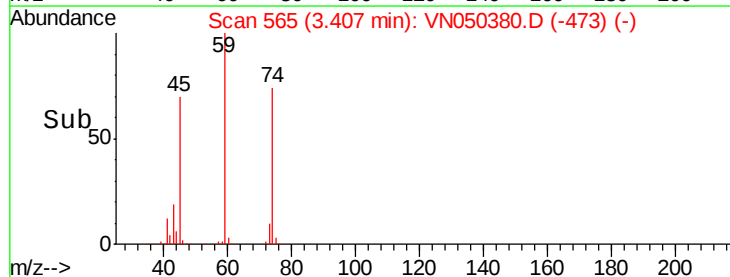
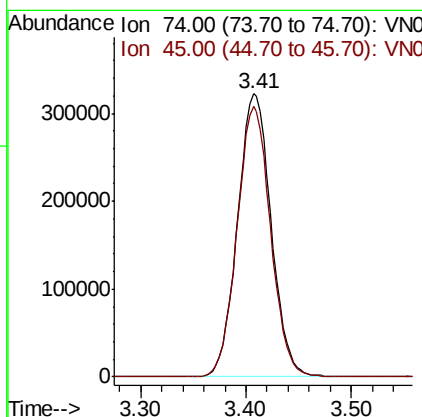
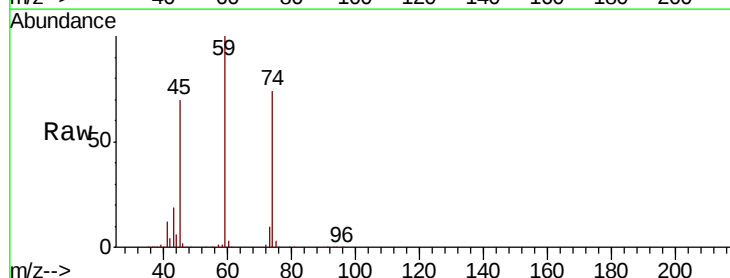
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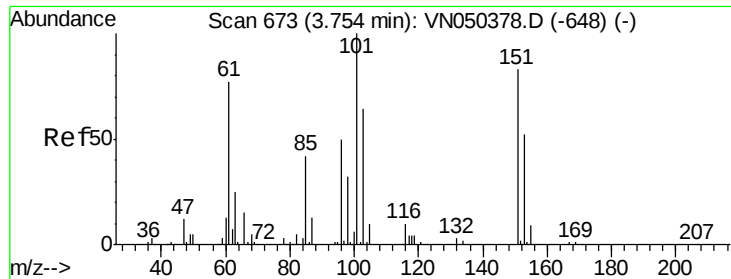


#8

Diethyl Ether
Concen: 142.88 ug/l
RT: 3.41 min Scan# 565
Delta R.T. -0.00 min
Lab File: VN050380.D
Acq: 6 Aug 2018 13:14

Tgt Ion: 74 Resp: 713064
Ion Ratio Lower Upper
74 100
45 95.0 47.6 142.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 125.34 ug/l

RT: 3.75 min Scan# 671

Delta R.T. -0.01 min

Lab File: VN050380.D

Acq: 6 Aug 2018 13:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:101 Resp: 1128393

Ion Ratio Lower Upper

101 100

85 42.2 34.2 51.2

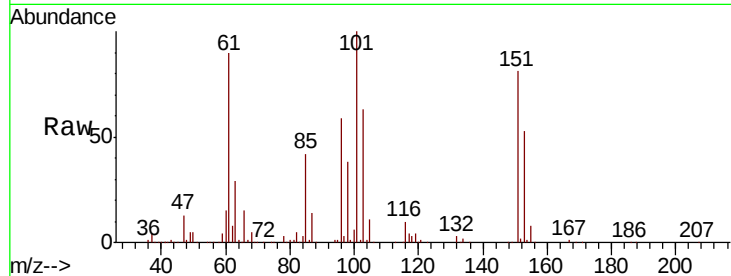
151 82.2 66.3 99.5

Manual Integrations

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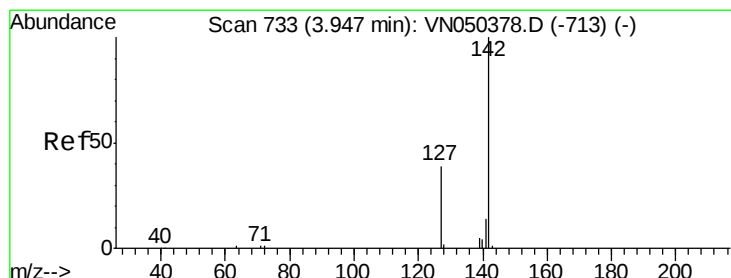
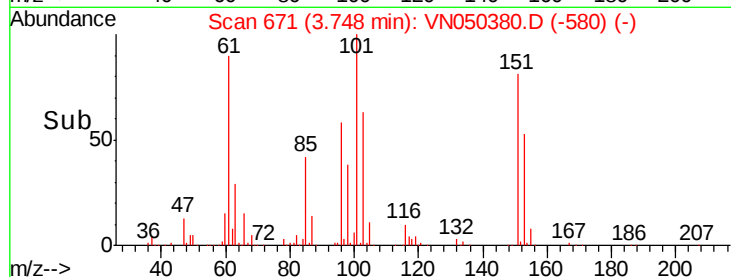
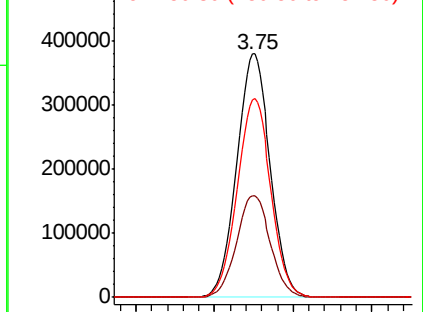


Abundance

Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 63.86 ug/l

RT: 3.95 min Scan# 733

Delta R.T. 0.00 min

Lab File: VN050380.D

Acq: 6 Aug 2018 13:14

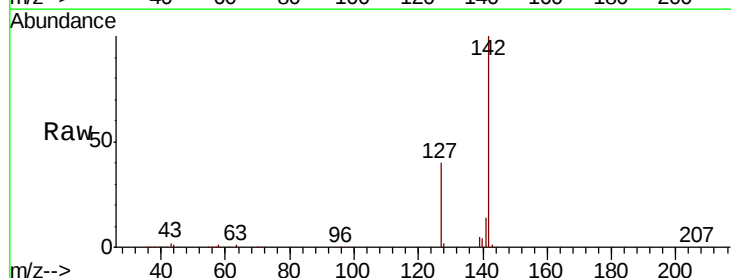
Tgt Ion:142 Resp: 737903

Ion Ratio Lower Upper

142 100

127 40.1 33.4 50.2

141 13.9 11.6 17.4

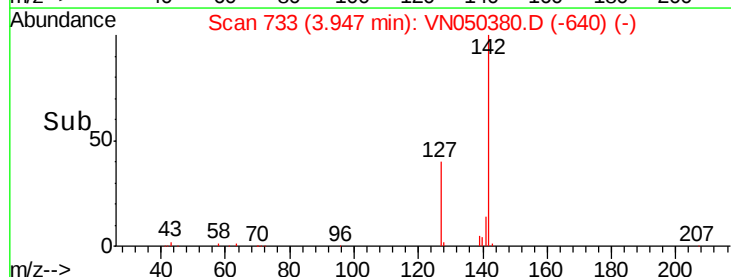
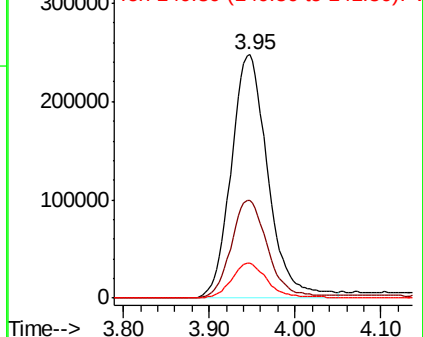


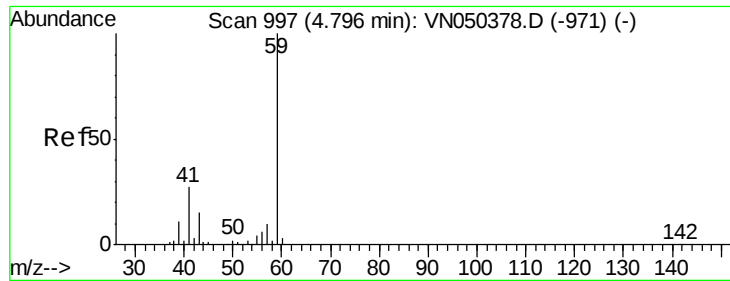
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





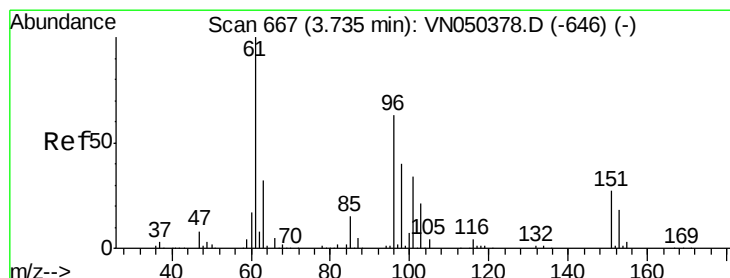
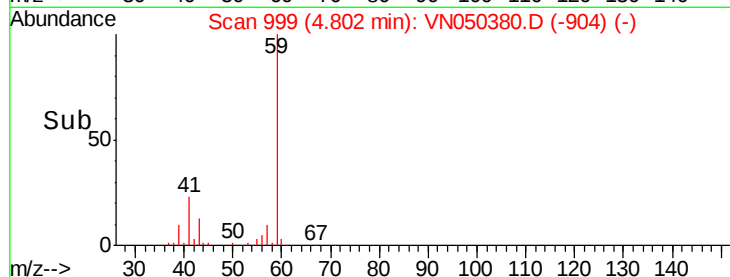
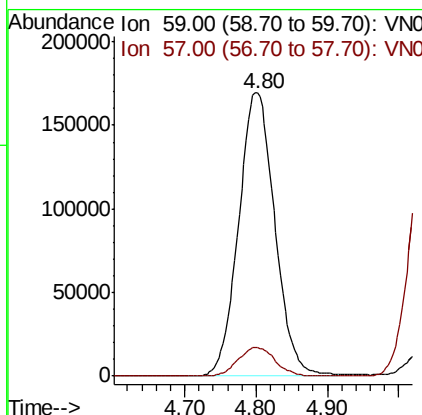
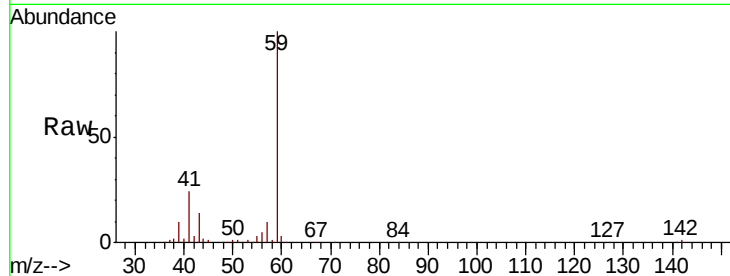
#11
Tert butyl alcohol
Concen: 830.30 ug/l
RT: 4.80 min Scan# 999
Delta R.T. 0.01 min
Lab File: VN050380.D
Acq: 6 Aug 2018 13:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	59	Resp	598888
Ion Ratio	100	Lower	Upper
57	10.4	8.5	12.7

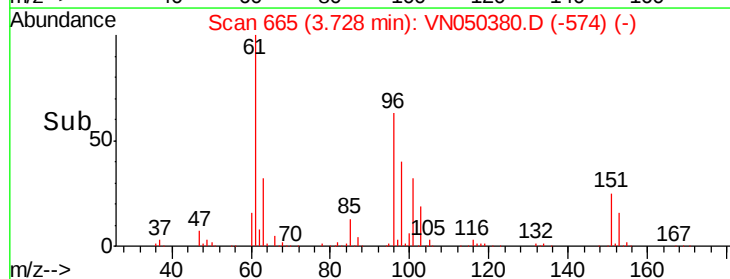
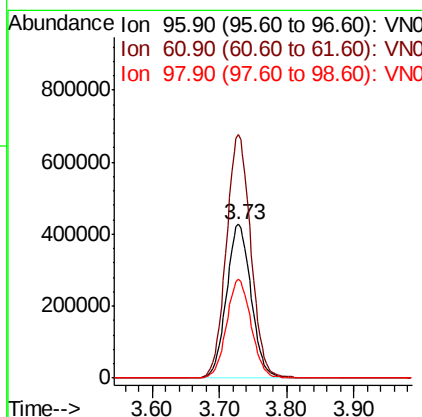
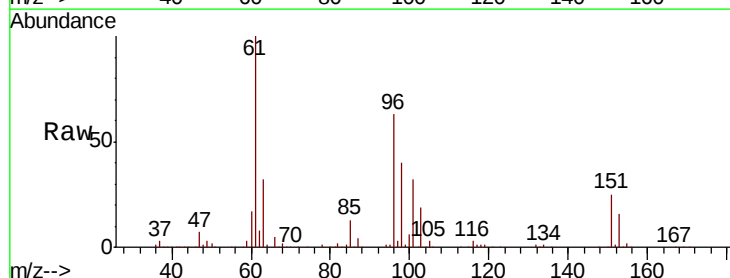
Manual Integrations
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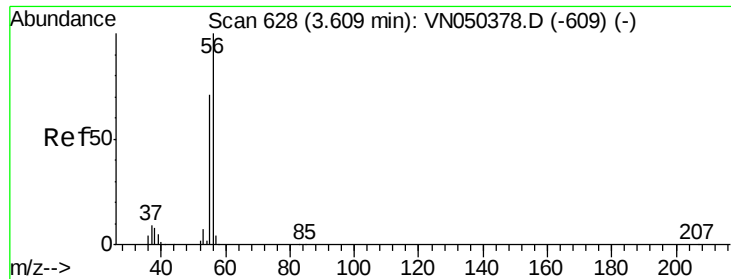
MMDadoda
8/7/2018 9:58:23 AM



#12
1,1-Dichloroethene
Concen: 134.46 ug/l
RT: 3.73 min Scan# 665
Delta R.T. -0.01 min
Lab File: VN050380.D
Acq: 6 Aug 2018 13:14

Tgt Ion	96	Resp	1088840
Ion Ratio	100	Lower	Upper
61	158.5	124.4	186.6
98	64.2	48.3	72.5





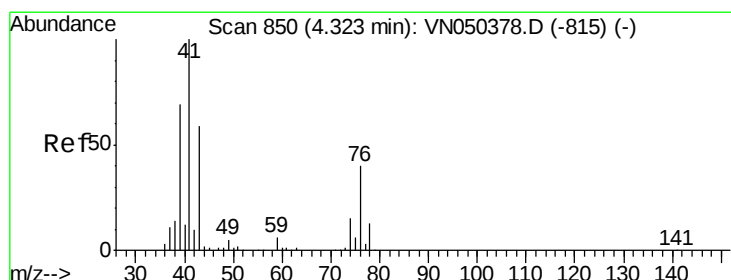
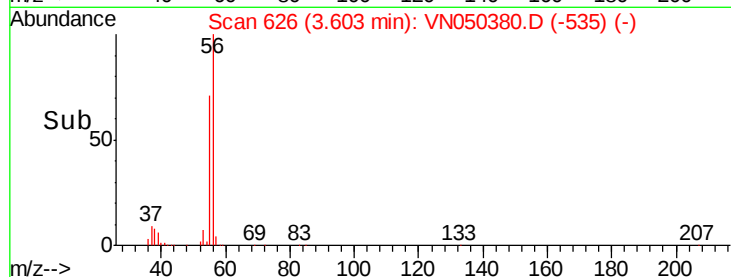
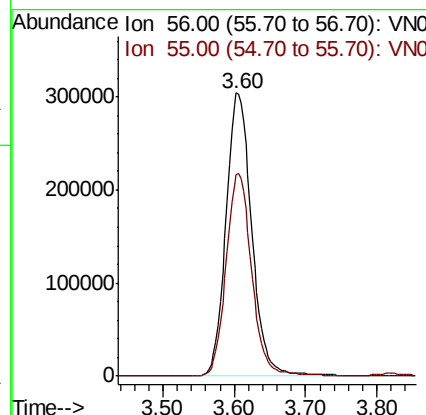
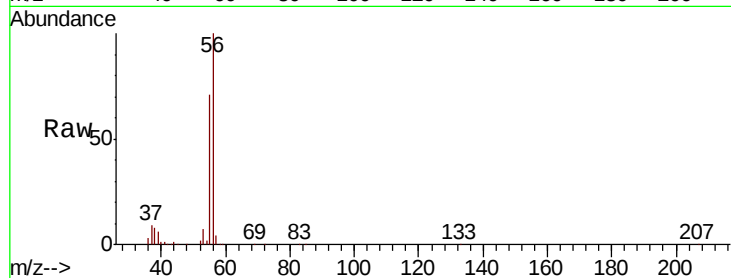
#13
Acrolein
Concen: 1315.40 ug/l
RT: 3.60 min Scan# 626
Delta R.T. -0.01 min
Lab File: VN050380.D
Acq: 6 Aug 2018 13:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tot Ion	56	Resp	762299
Ion Ratio	Lower	Upper	
56	100		
55	70.9	55.8	83.6

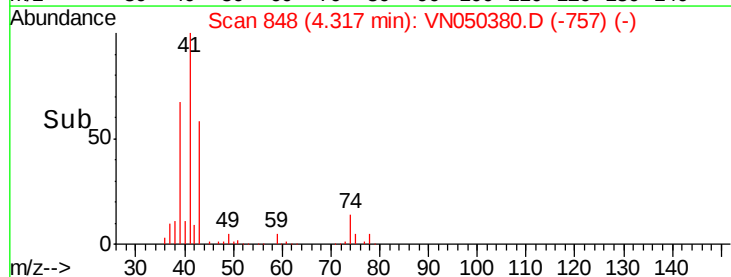
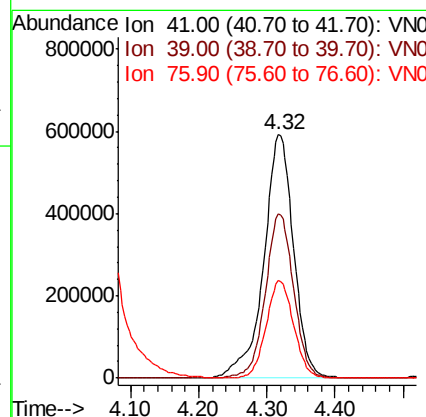
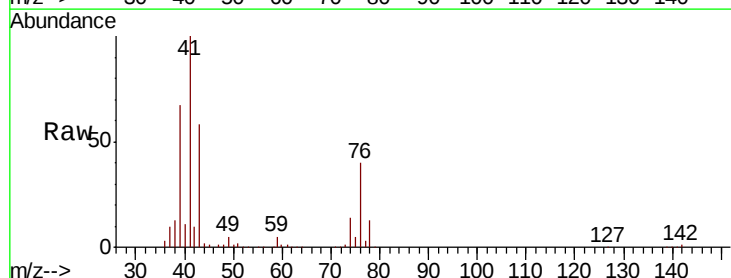
Manual Integrations
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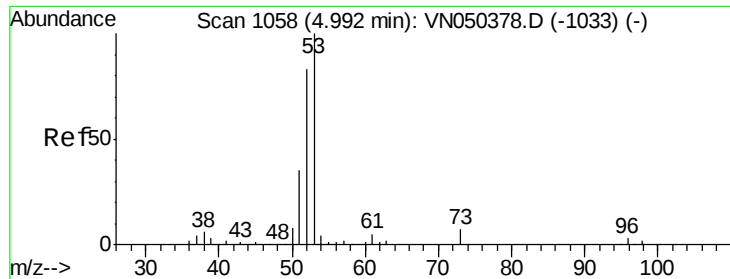
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#14
Allyl chloride
Concen: 143.01 ug/l
RT: 4.32 min Scan# 848
Delta R.T. -0.01 min
Lab File: VN050380.D
Acq: 6 Aug 2018 13:14

Tgt Ion	41	Resp	1795784
Ion Ratio	Lower	Upper	
41	100		
39	64.0	54.2	81.4
76	36.5	29.0	43.6





#15
 Acrylonitrile
 Concen: 778.17 ug/l
 RT: 4.99 min Scan# 1058
 Delta R.T. 0.00 min
 Lab File: VN050380.D
 Acq: 6 Aug 2018 13:14

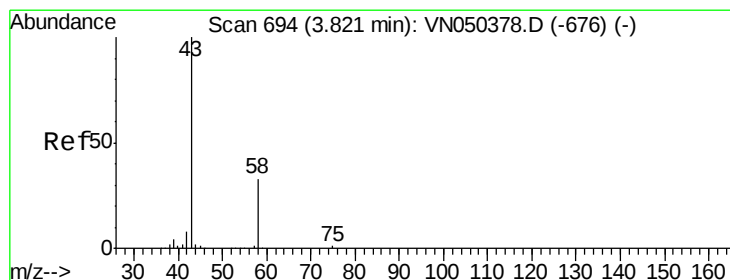
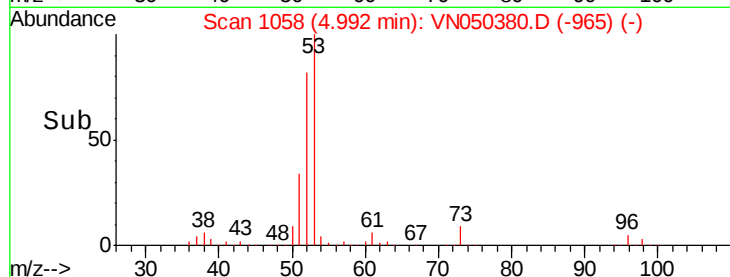
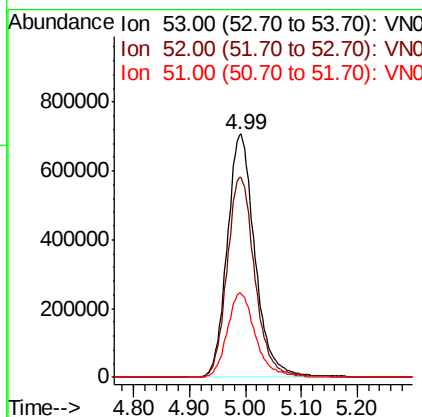
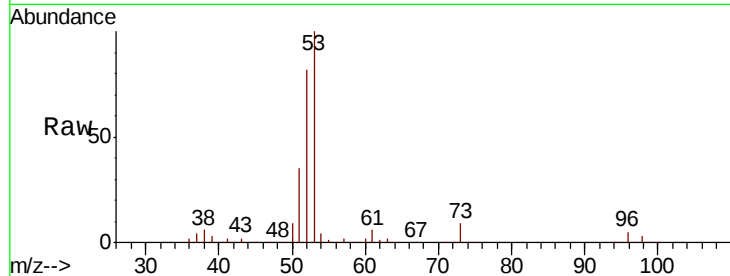
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 53 Resp: 2448820

Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.2	99.2
51	35.5	29.3	43.9

Manual Integrations
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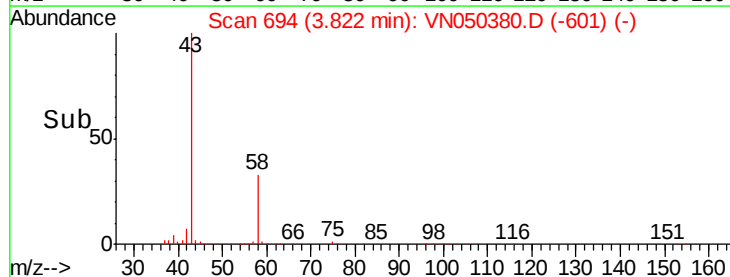
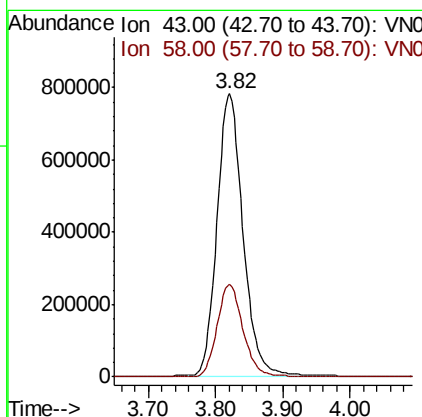
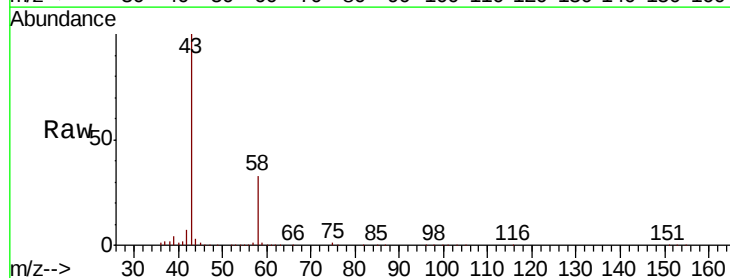
MMDadoda
 8/7/2018 9:58:23 AM

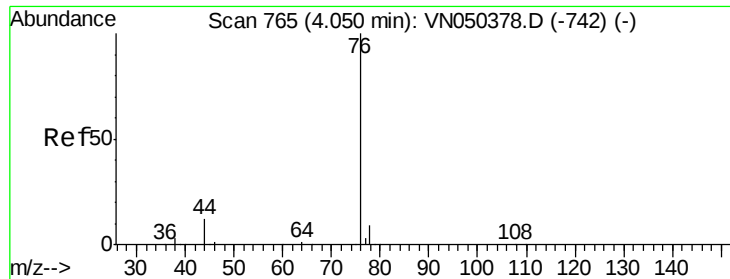


#16
 Acetone
 Concen: 817.60 ug/l
 RT: 3.82 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: VN050380.D
 Acq: 6 Aug 2018 13:14

Tgt Ion: 43 Resp: 2090172

Ion	Ratio	Lower	Upper
43	100		
58	32.6	25.8	38.8





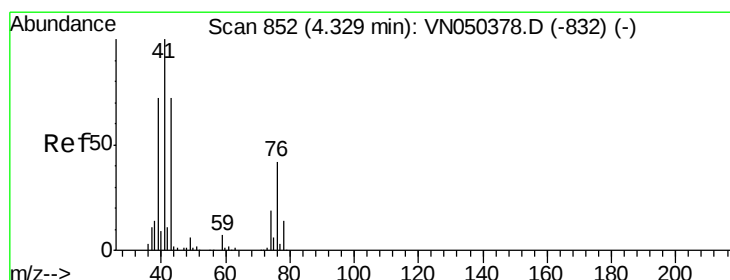
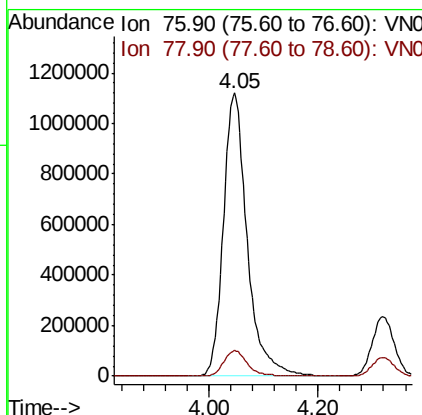
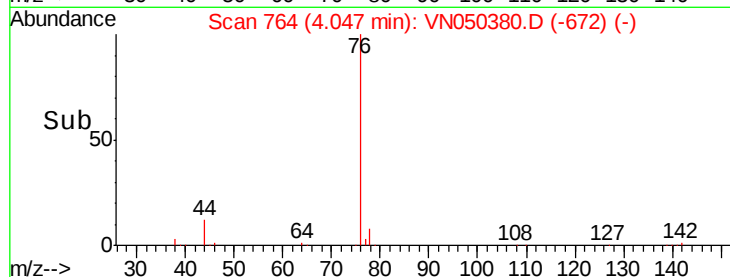
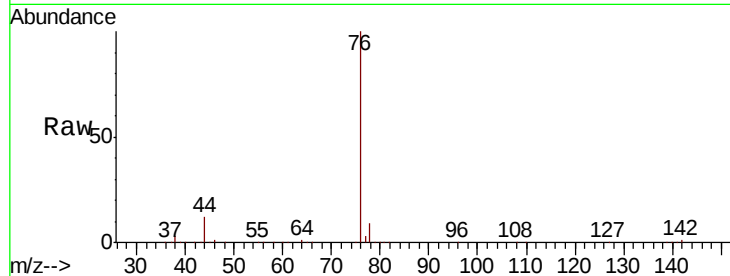
#17
Carbon Disulfide
Concen: 136.23 ug/l
RT: 4.05 min Scan# 764
Delta R.T. -0.00 min
Lab File: VN050380.D
Acq: 6 Aug 2018 13:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 76 Resp: 3379767
Ion Ratio Lower Upper
76 100
78 9.1 7.3 10.9

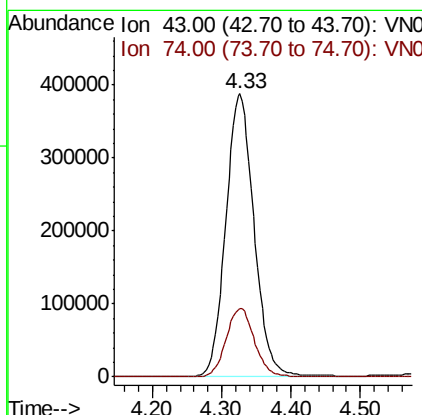
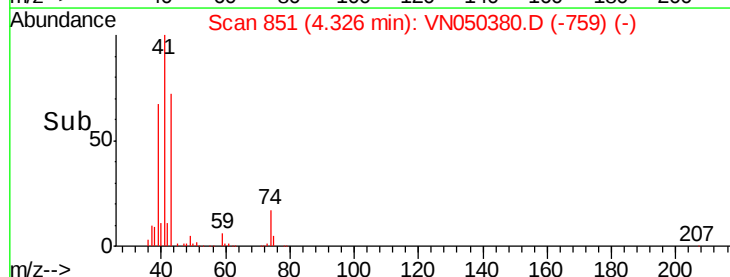
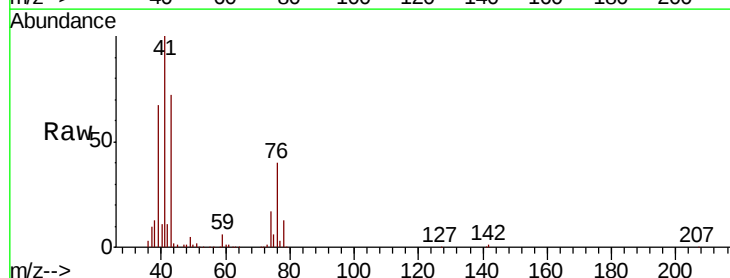
Manual Integrations
APPROVED

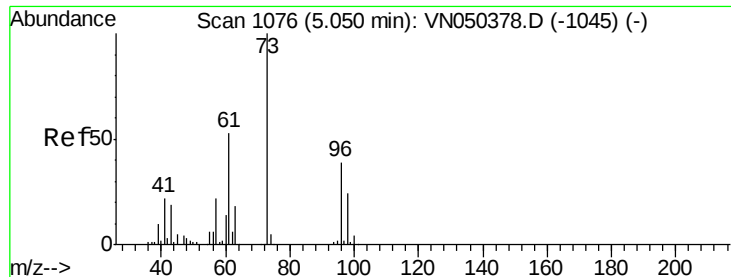
MMDadoda
8/7/2018 9:58:23 AM



#18
Methyl Acetate
Concen: 93.67 ug/l
RT: 4.33 min Scan# 851
Delta R.T. -0.00 min
Lab File: VN050380.D
Acq: 6 Aug 2018 13:14

Tgt Ion: 43 Resp: 1096120
Ion Ratio Lower Upper
43 100
74 24.6 19.2 28.8





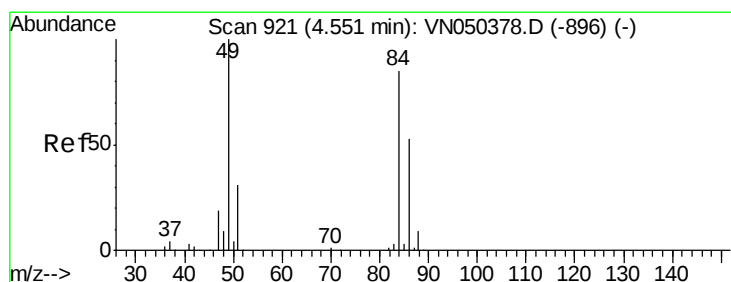
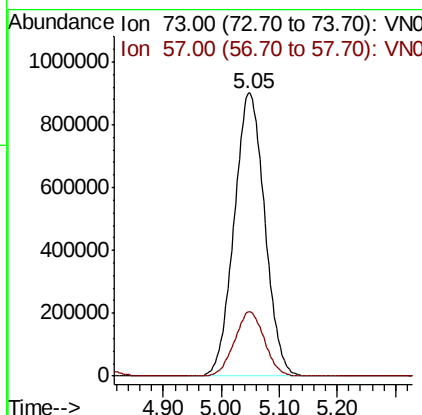
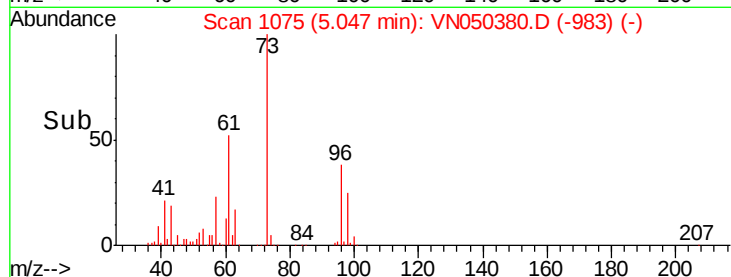
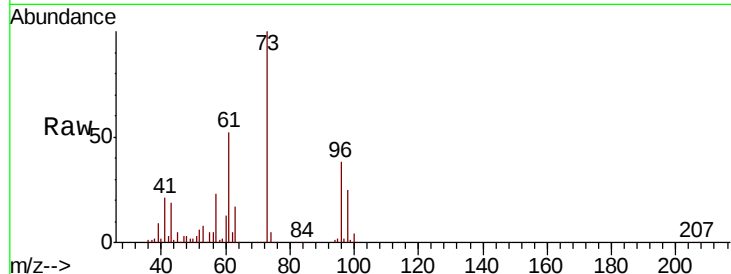
#19
Methvl tert-butvl Ether
Concen: 153.35 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VN050380.D
Acq: 6 Aug 2018 13:14

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion: 73 Resp: 3309293
Ion Ratio Lower Upper
73 100
57 22.7 18.0 27.0

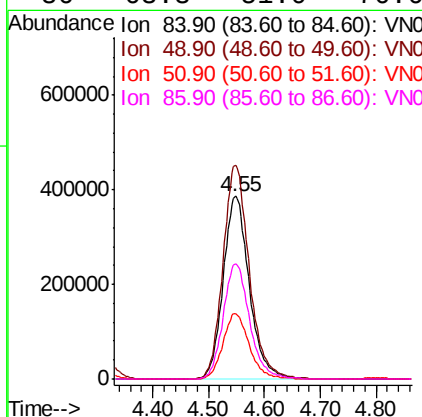
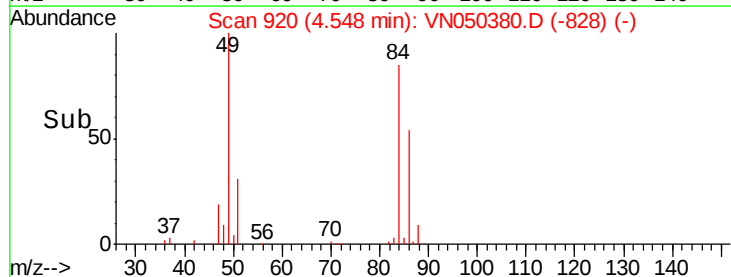
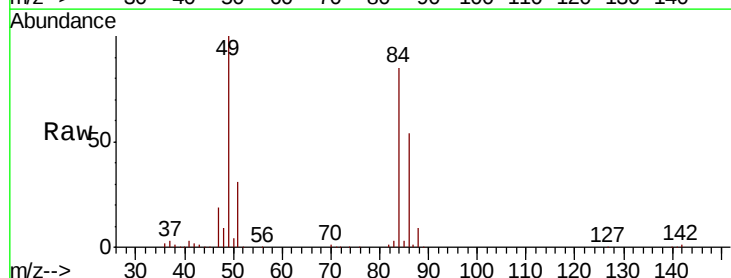
Manual Integrations
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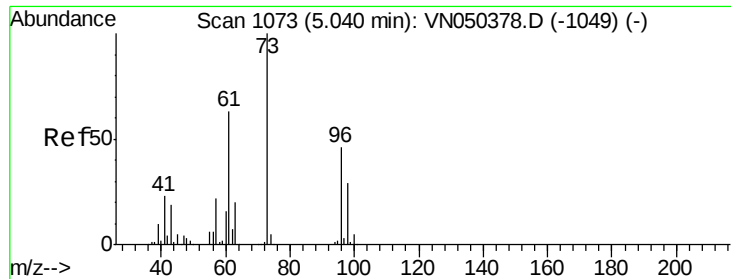
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#20
Methylene Chloride
Concen: 127.92 ug/l
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN050380.D
Acq: 6 Aug 2018 13:14

Tgt Ion: 84 Resp: 1258681
Ion Ratio Lower Upper
84 100
49 117.0 94.8 142.2
51 36.0 28.3 42.5
86 63.3 51.0 76.6





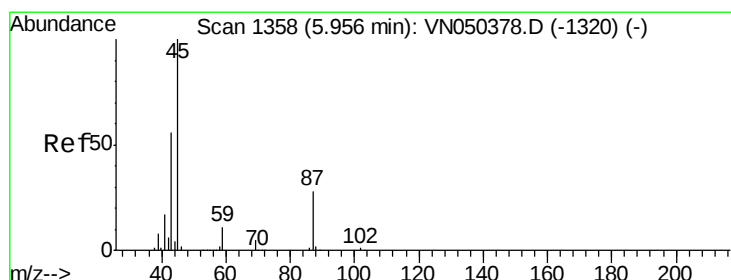
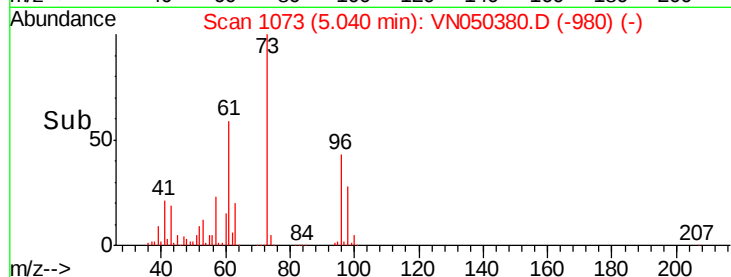
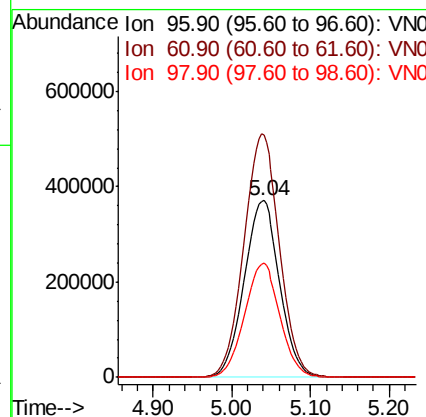
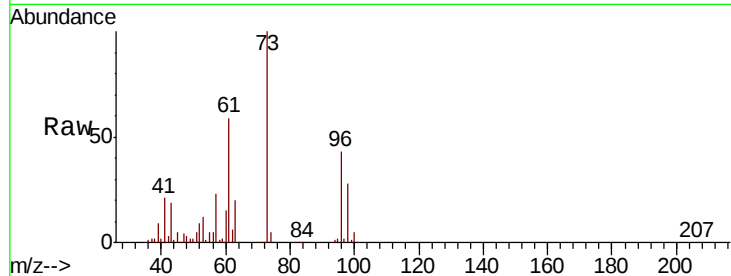
#21
trans-1,2-Dichloroethene
Concen: 137.14 ug/l
RT: 5.04 min Scan# 1073
Delta R.T. 0.00 min
Lab File: VN050380.D
Acq: 6 Aug 2018 13:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 96 Resp: 1176796
Ion Ratio Lower Upper
96 100
61 137.1 110.7 166.1
98 64.6 51.6 77.4

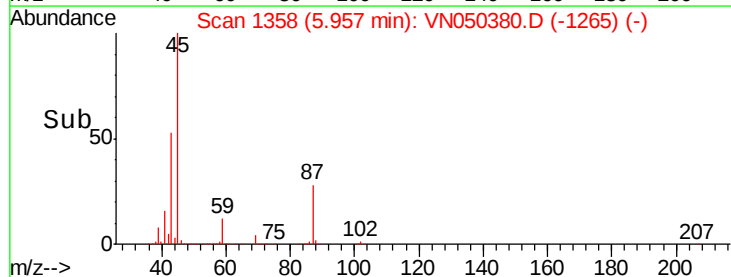
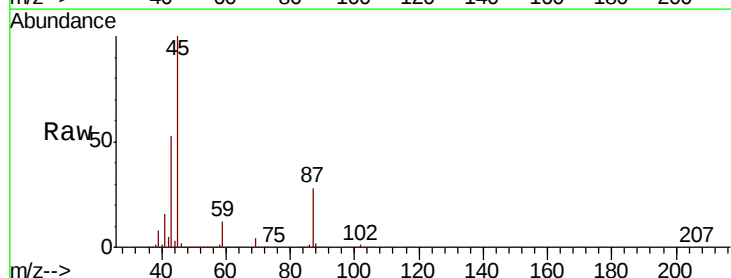
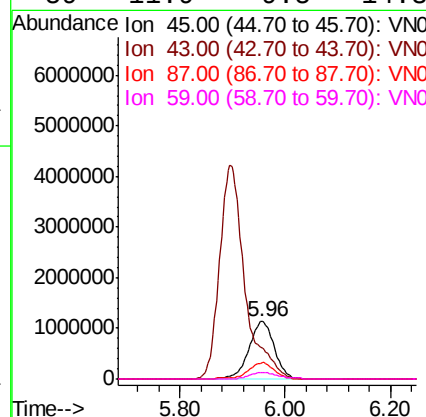
Manual Integrations
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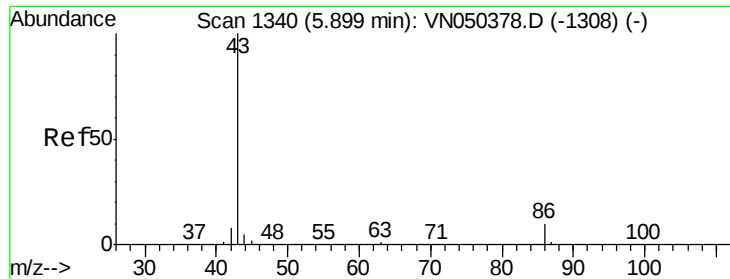
MMDadoda
8/7/2018 9:58:23 AM



#22
Diisopropyl ether
Concen: 152.26 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VN050380.D
Acq: 6 Aug 2018 13:14

Tgt Ion: 45 Resp: 3790959
Ion Ratio Lower Upper
45 100
43 52.7 45.7 68.5
87 28.3 22.7 34.1
59 11.9 9.5 14.3





#23

Vinyl Acetate

Concen: 798.12 ug/l

RT: 5.90 min Scan# 1339

Delta R.T. -0.00 min

Lab File: VN050380.D

Acq: 6 Aug 2018 13:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp:14042862

Ion Ratio Lower Upper

43 100

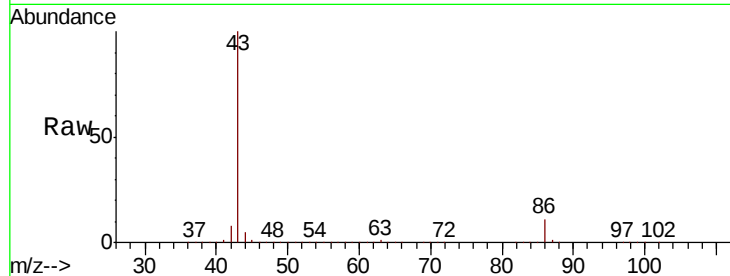
86 10.6 8.6 13.0

Manual Integrations

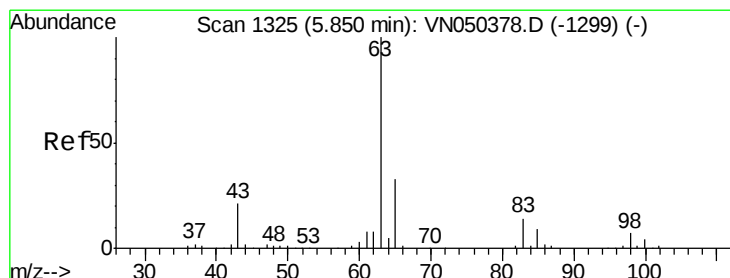
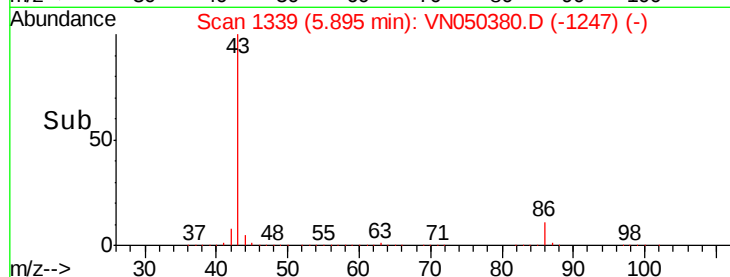
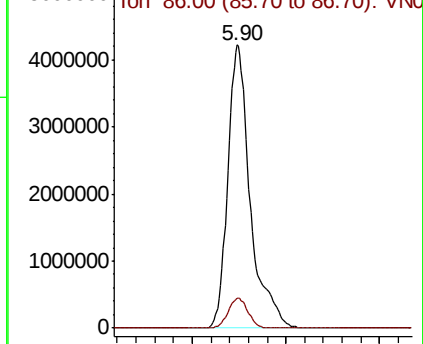
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Abundance Ion 43.00 (42.70 to 43.70): VN050380.D (-1308) (-)



#24

1,1-Dichloroethane

Concen: 133.59 ug/l

RT: 5.85 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VN050380.D

Acq: 6 Aug 2018 13:14

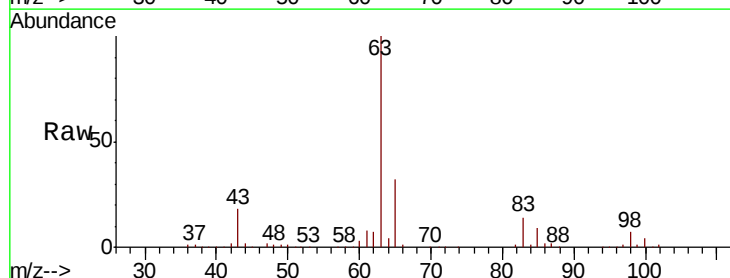
Tgt Ion: 63 Resp: 2174965

Ion Ratio Lower Upper

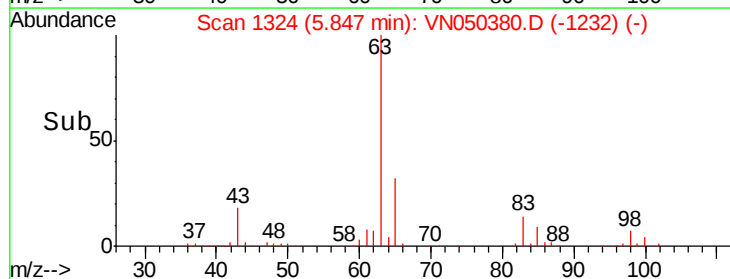
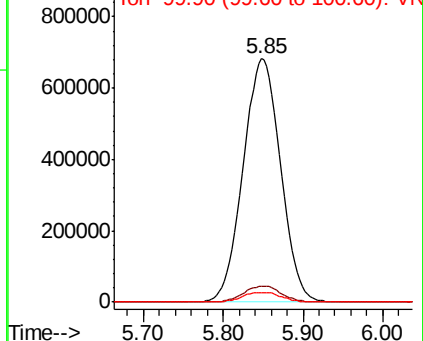
63 100

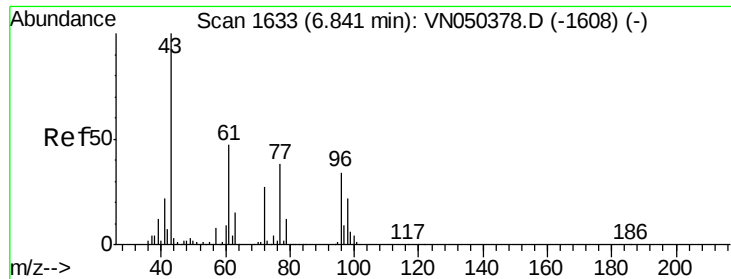
98 6.6 3.3 9.8

100 4.1 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VN050380.D (-1299) (-)





#25

2-Butanone

Concen: 971.15 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VN050380.D

Acq: 6 Aug 2018 13:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 3631274

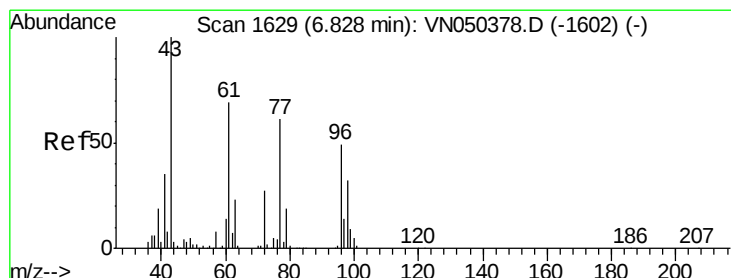
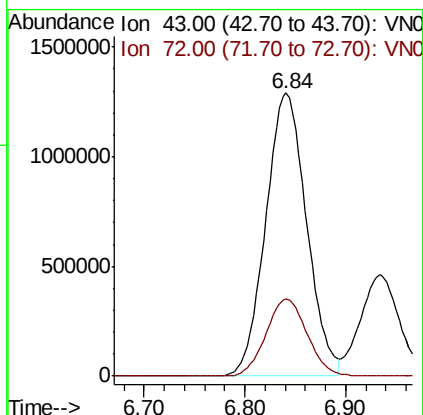
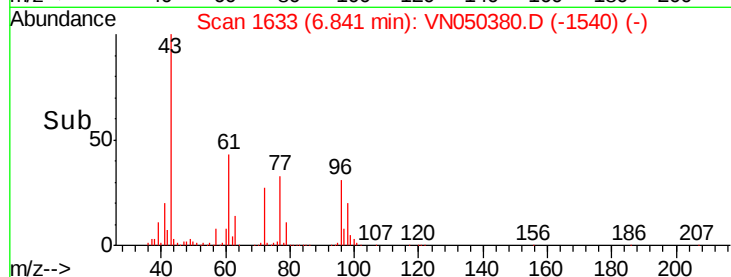
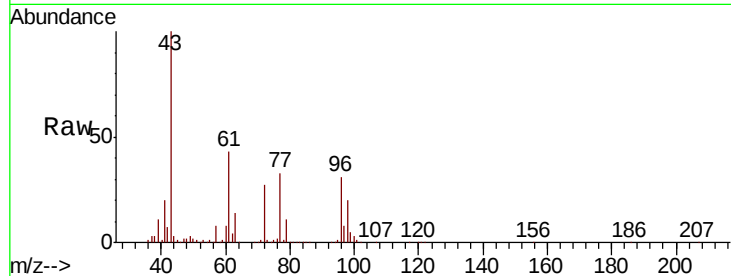
Ion Ratio Lower Upper

43 100

72 27.3 21.5 32.3

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#26

2,2-Dichloropropane

Concen: 139.67 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN050380.D

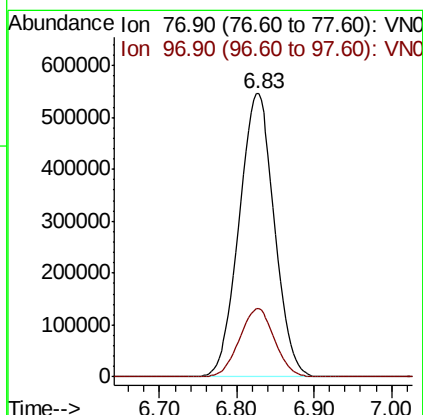
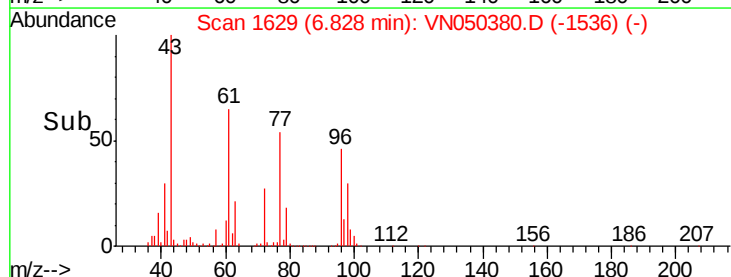
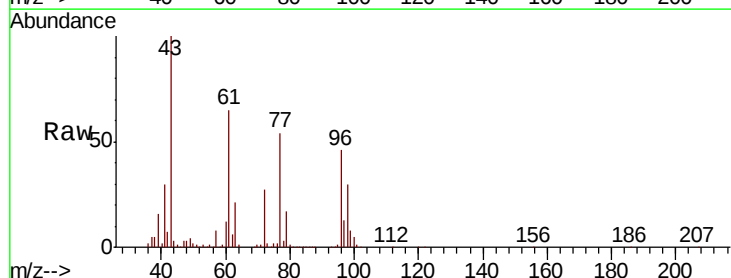
Acq: 6 Aug 2018 13:14

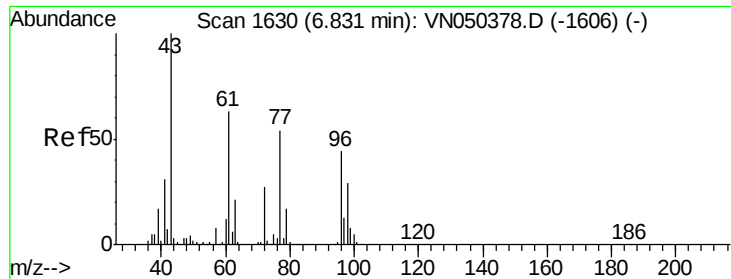
Tgt Ion: 77 Resp: 1729889

Ion Ratio Lower Upper

77 100

97 24.0 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 145.66 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN050380.D

Acq: 6 Aug 2018 13:14

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 96 Resp: 1345480

Ion Ratio Lower Upper

96 100

61 142.6 0.0 285.0

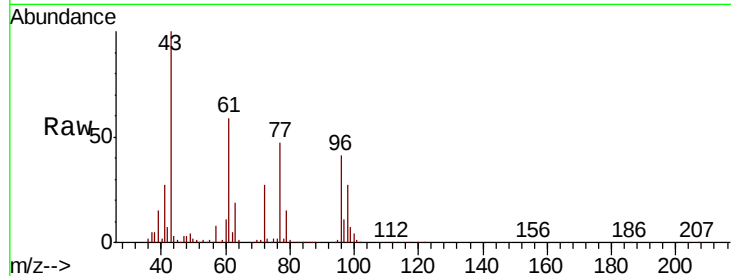
98 64.9 0.0 129.2

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Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

800000

600000

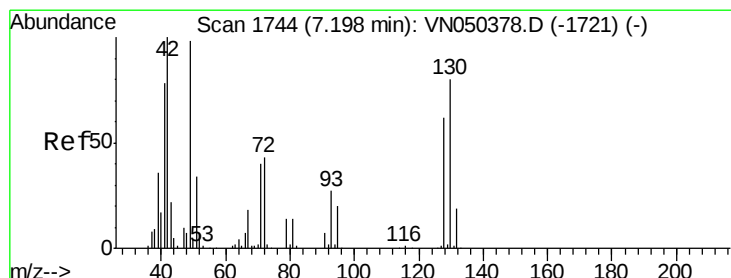
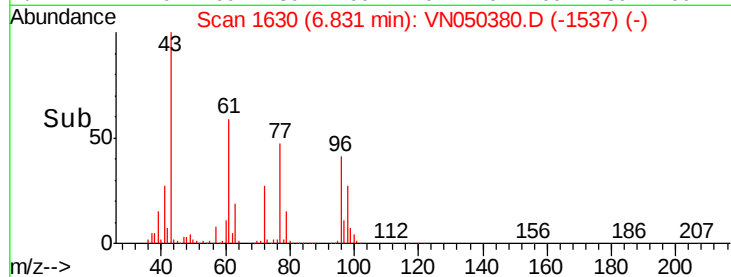
400000

200000

0

6.70 6.80 6.90 7.00

Time-->



#28

Bromochloromethane

Concen: 126.03 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. 0.00 min

Lab File: VN050380.D

Acq: 6 Aug 2018 13:14

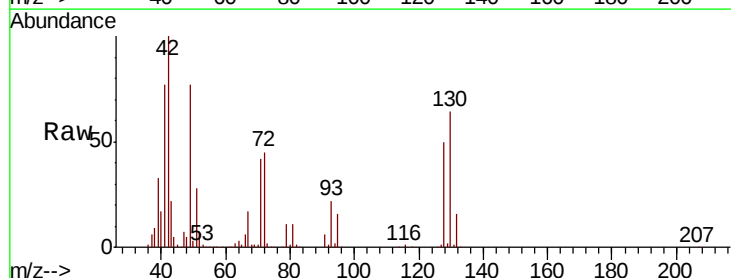
Tgt Ion: 49 Resp: 935892

Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.0

130 82.7 66.3 99.5



Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

400000

300000

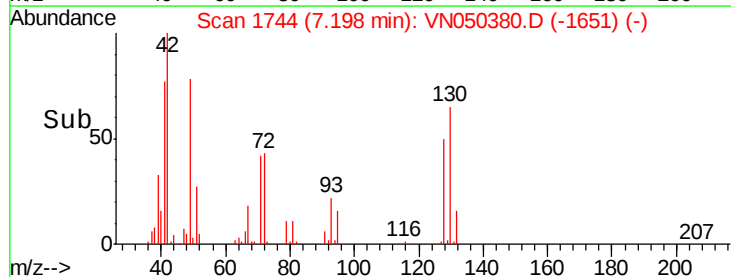
200000

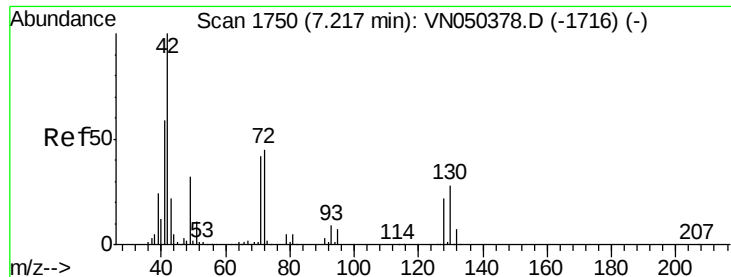
100000

0

7.10 7.20 7.30

Time-->





#29

Tetrahydrofuran

Concen: 793.82 ug/l

RT: 7.22 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VN050380.D

Acq: 6 Aug 2018 13:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 42 Resp: 1918037

Ion Ratio Lower Upper

42 100

72 45.1 35.9 53.9

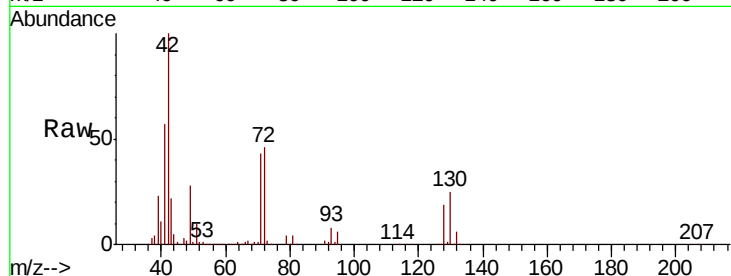
71 42.6 33.7 50.5

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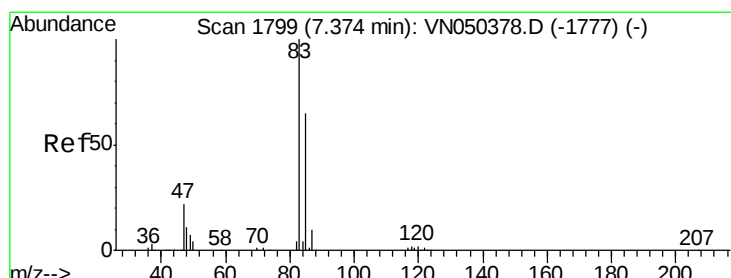
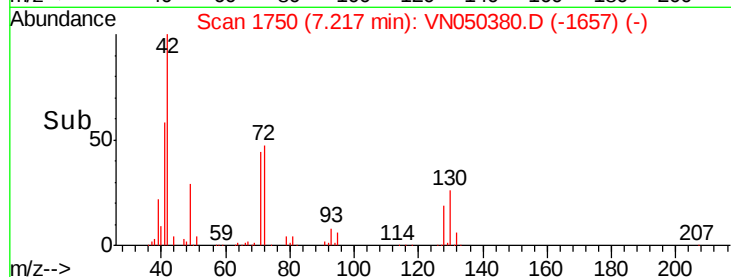
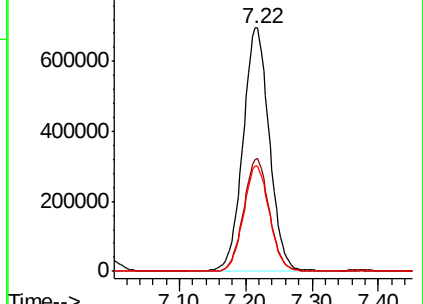
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Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 131.44 ug/l

RT: 7.37 min Scan# 1799

Delta R.T. 0.00 min

Lab File: VN050380.D

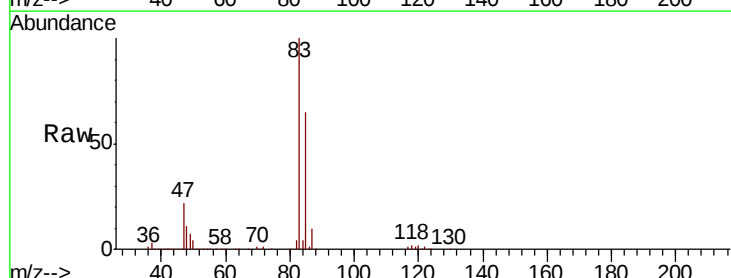
Acq: 6 Aug 2018 13:14

Tgt Ion: 83 Resp: 2183675

Ion Ratio Lower Upper

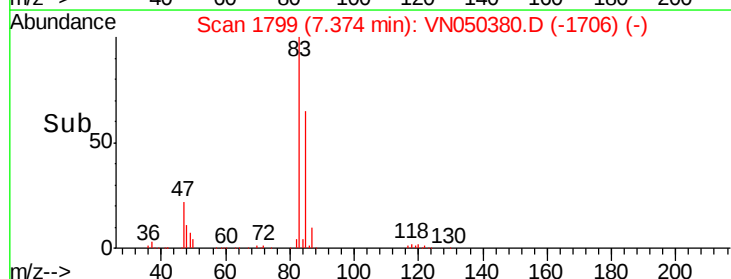
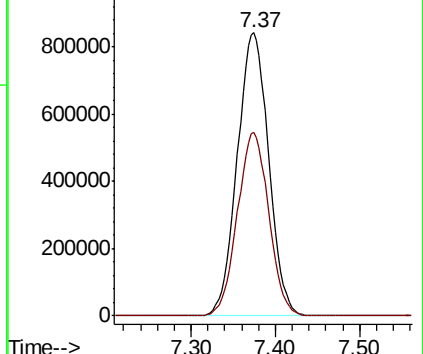
83 100

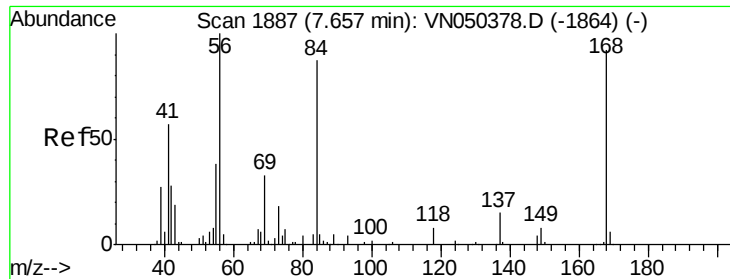
85 64.8 52.5 78.7



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





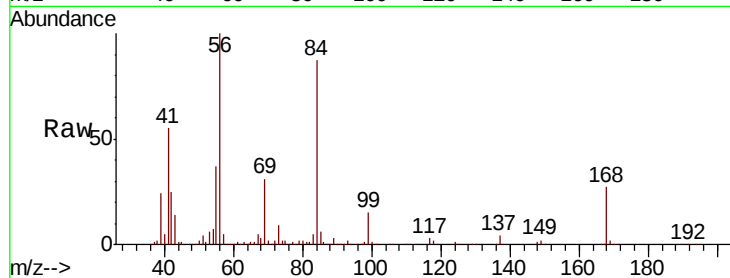
#31
Cyclohexane
Concen: 127.69 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VN050380.D
Acq: 6 Aug 2018 13:14

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

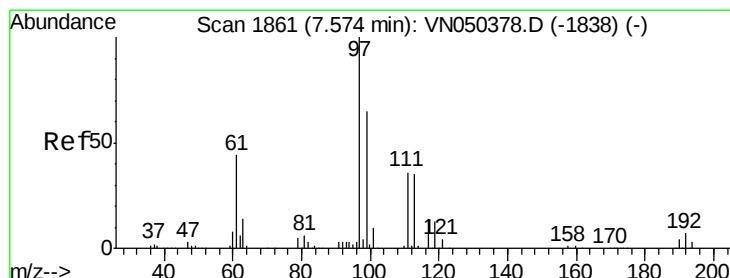
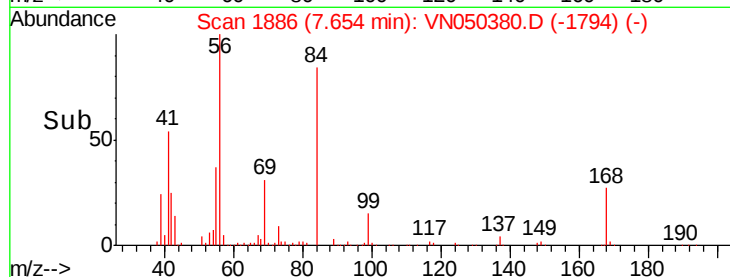
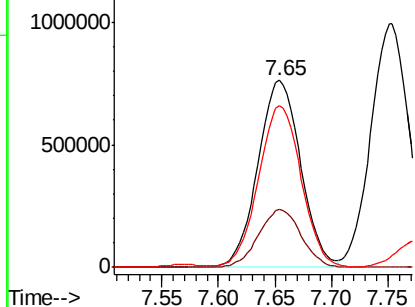
Tot Ion: 56 Resp: 1995668
Ion Ratio Lower Upper
56 100
69 30.9 26.2 39.4
84 85.4 67.4 101.0

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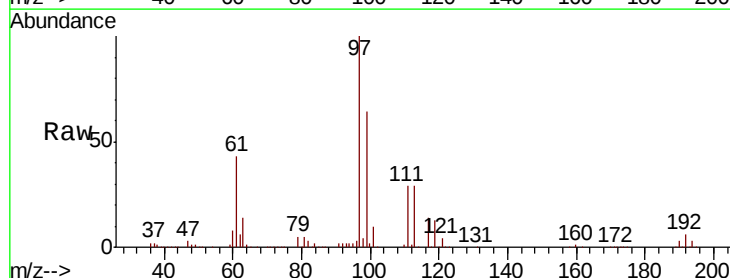


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

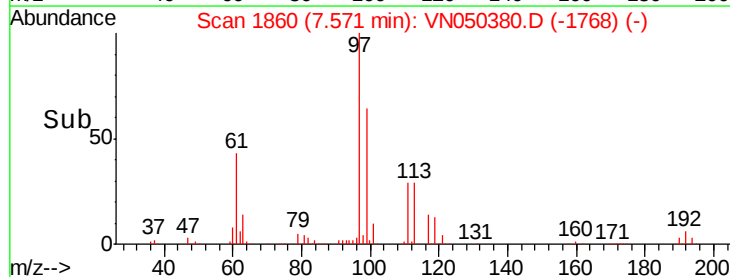
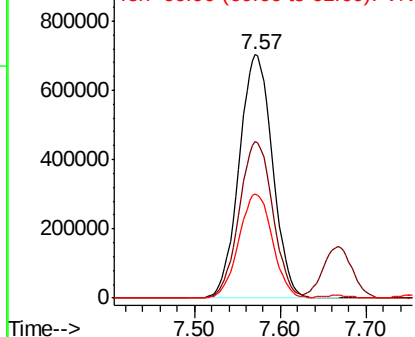


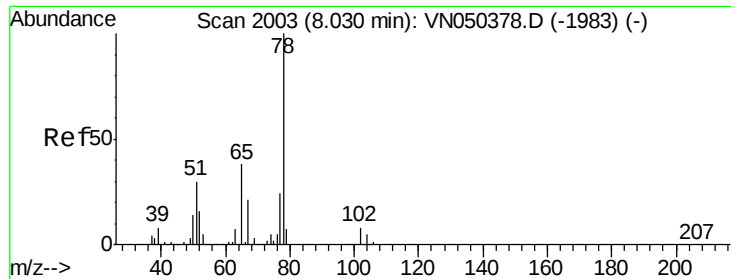
#32
1,1,1-Trichloroethane
Concen: 133.30 ug/l
RT: 7.57 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN050380.D
Acq: 6 Aug 2018 13:14

Tgt Ion: 97 Resp: 1894385
Ion Ratio Lower Upper
97 100
99 64.6 51.4 77.0
61 43.1 35.4 53.0



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





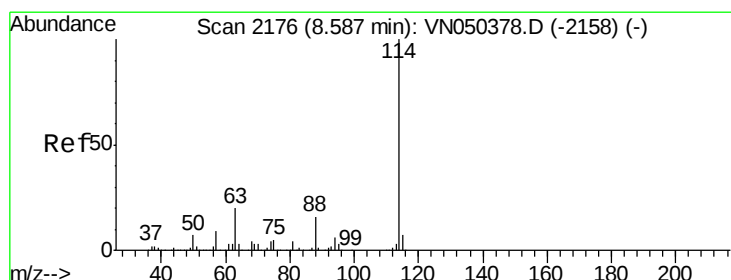
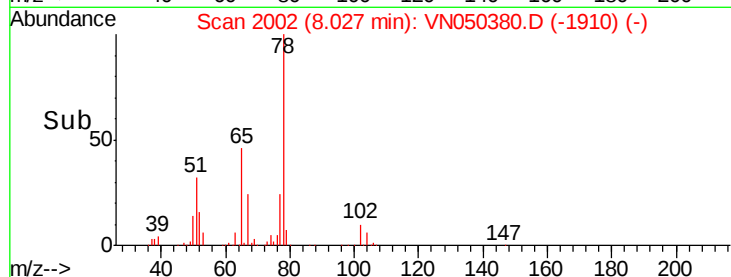
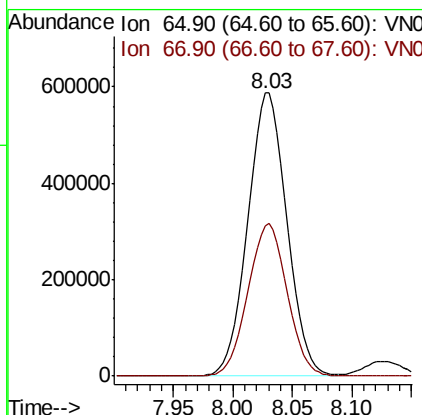
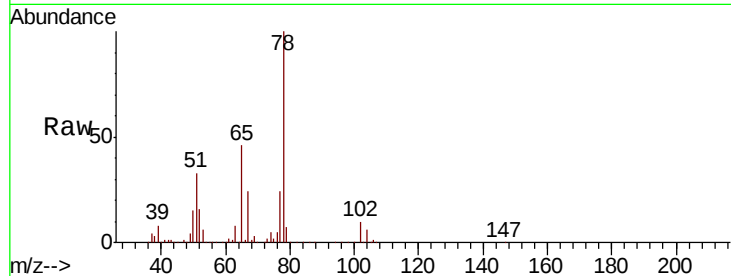
#33
 1,2-Dichloroethane-d4
 Concen: 136.16 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN050380.D
 Acq: 6 Aug 2018 13:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 65 Resp: 1334825
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 108.4

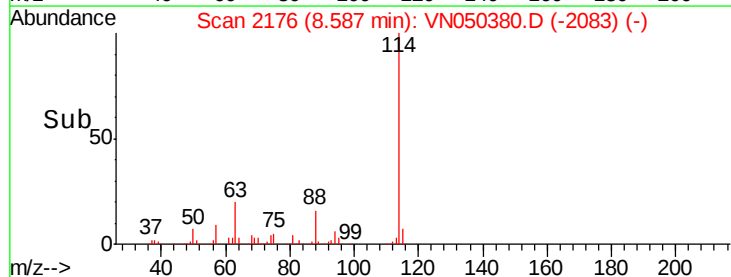
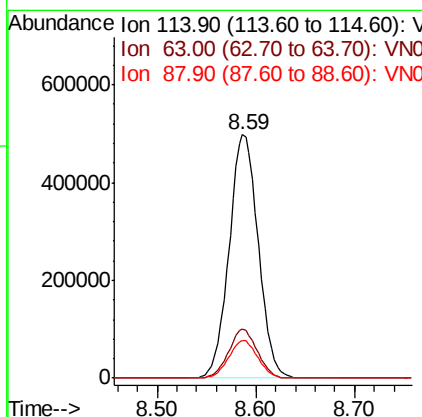
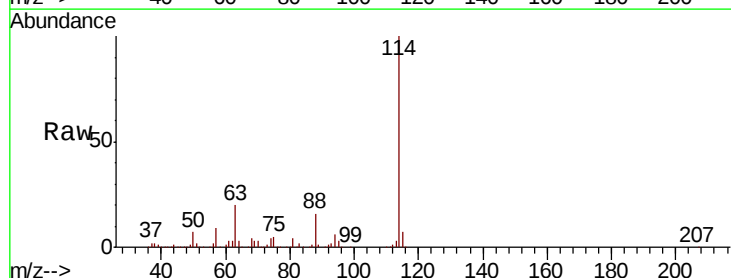
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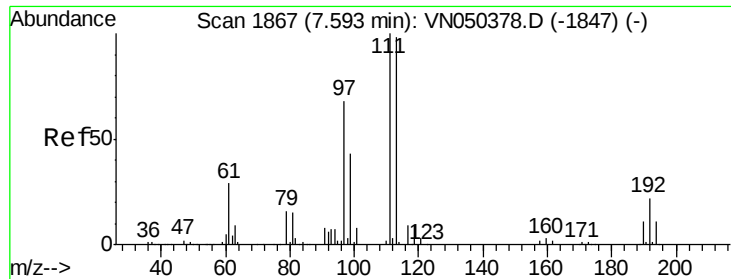
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050380.D
 Acq: 6 Aug 2018 13:14

Tgt Ion: 114 Resp: 1023118
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 40.0
 88 15.6 0.0 31.2





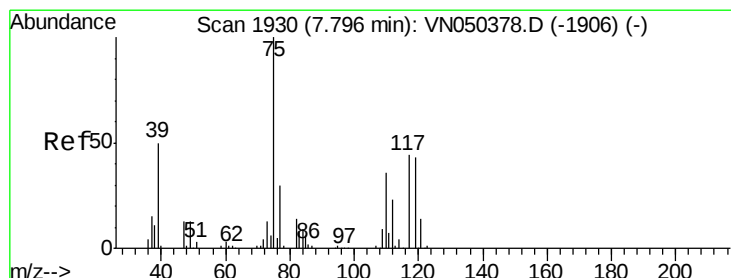
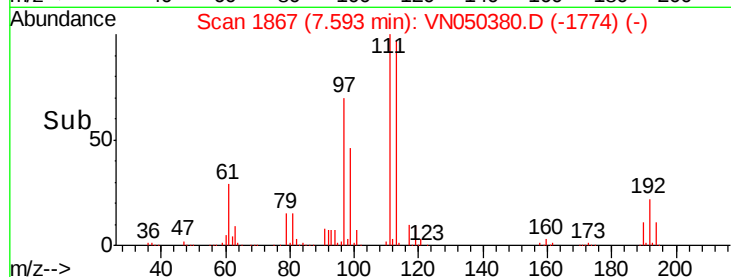
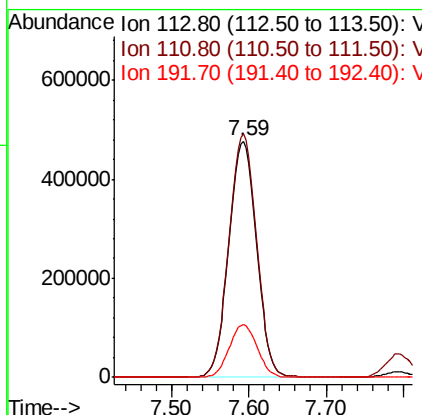
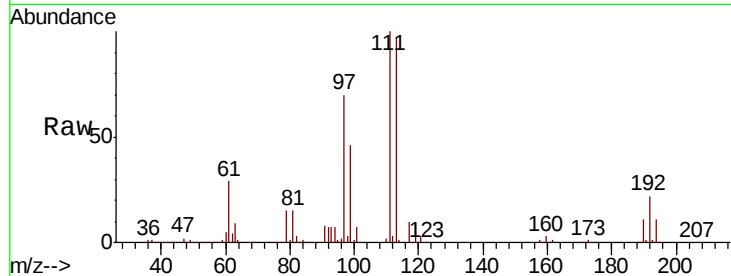
#35
 Dibromofluoromethane
 Concen: 141.78 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050380.D
 Acq: 6 Aug 2018 13:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:113 Resp: 1184338
 Ion Ratio Lower Upper
 113 100
 111 102.7 80.7 121.1
 192 22.5 17.8 26.6

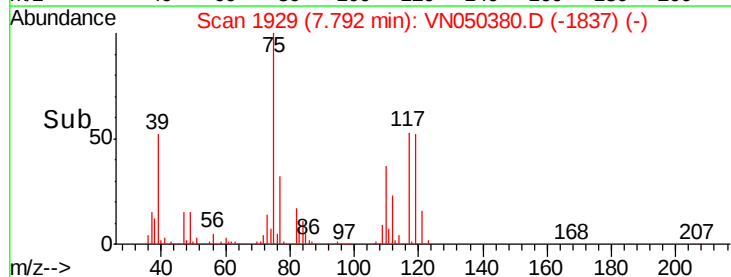
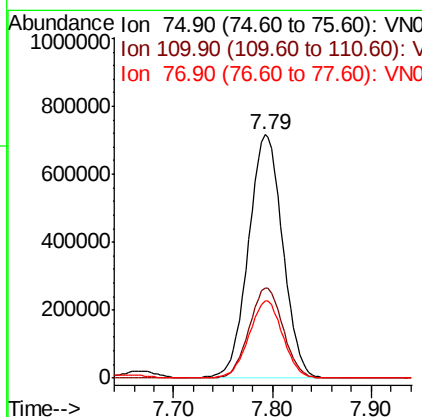
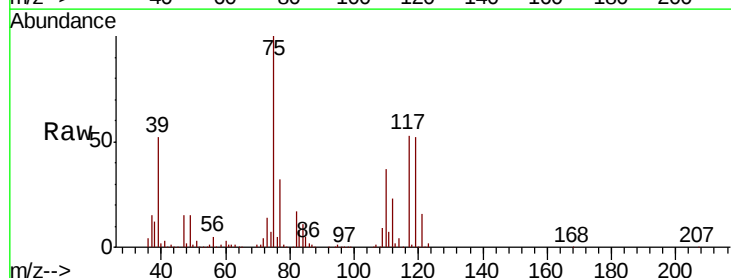
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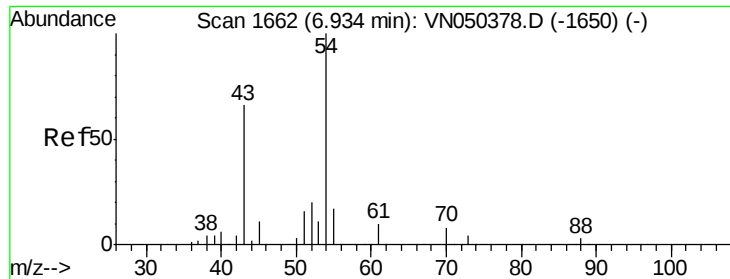
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#36
 1,1-Dichloropropene
 Concen: 148.46 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050380.D
 Acq: 6 Aug 2018 13:14

Tgt Ion: 75 Resp: 1711264
 Ion Ratio Lower Upper
 75 100
 110 36.8 18.4 55.2
 77 31.5 25.3 37.9





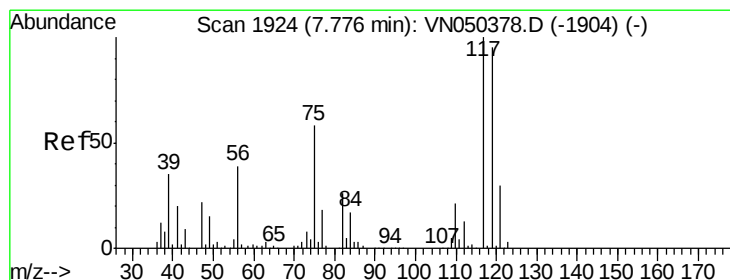
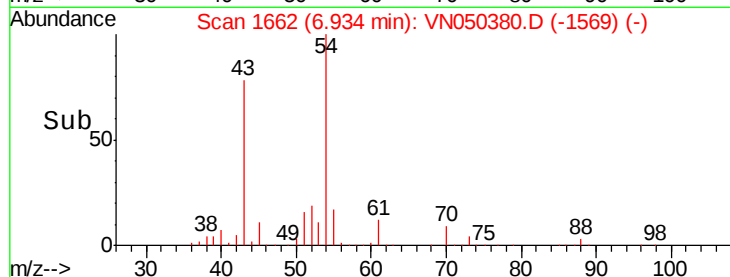
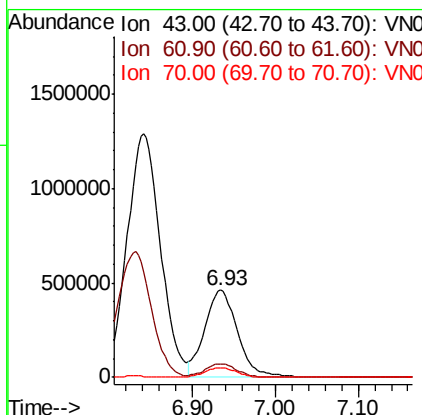
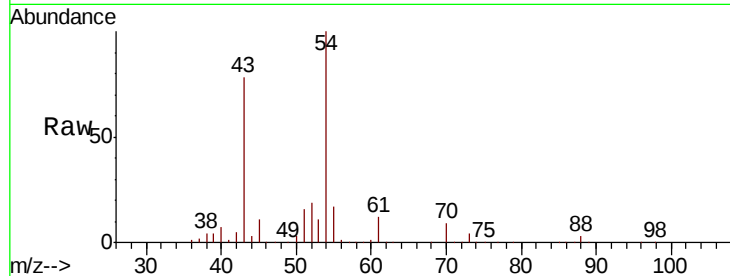
#37
Ethyl Acetate
Concen: 158.26 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN050380.D
Acq: 6 Aug 2018 13:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1271869
Ion Ratio Lower Upper
43 100
61 14.9 11.8 17.8
70 11.0 8.4 12.6

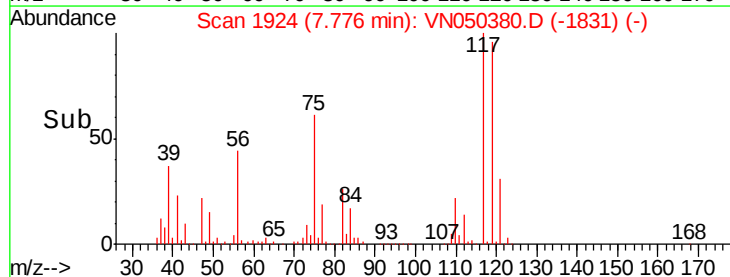
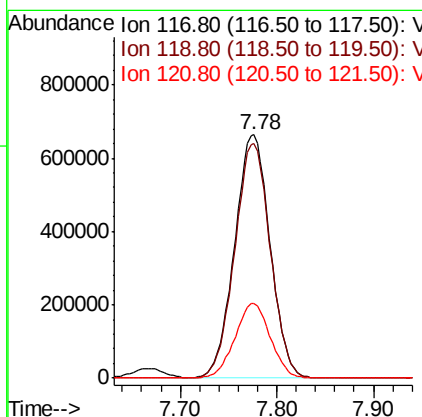
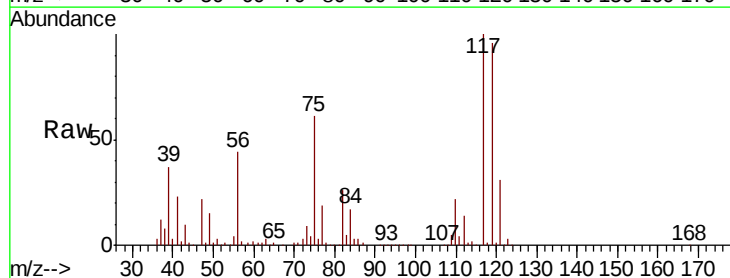
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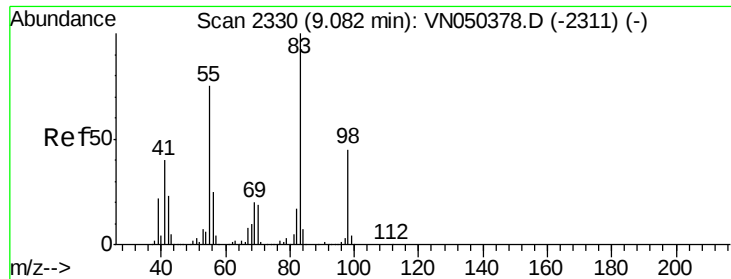
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#38
Carbon Tetrachloride
Concen: 138.13 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050380.D
Acq: 6 Aug 2018 13:14

Tgt Ion: 117 Resp: 1689447
Ion Ratio Lower Upper
117 100
119 96.3 77.4 116.0
121 30.9 23.9 35.9





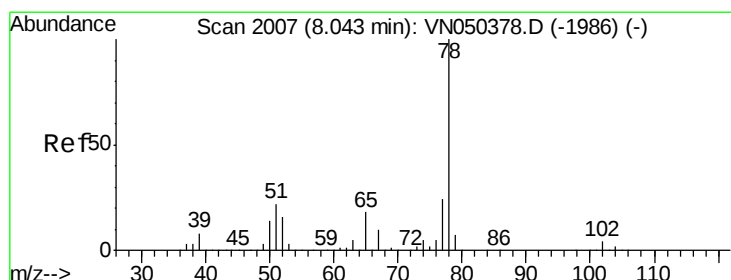
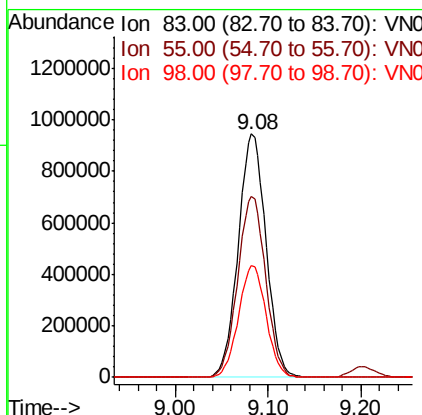
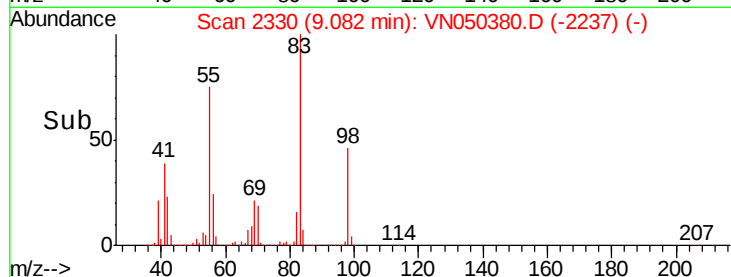
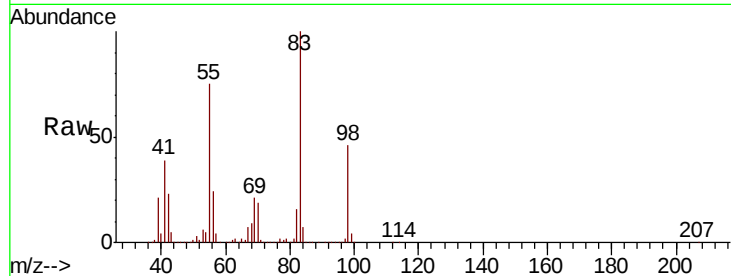
#39
Methvlcvclohexane
Concen: 165.15 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050380.D
Acq: 6 Aug 2018 13:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	83	Resp	1958392
Ion	Ratio	Lower	Upper
83	100		
55	74.5	61.8	92.8
98	45.8	36.5	54.7

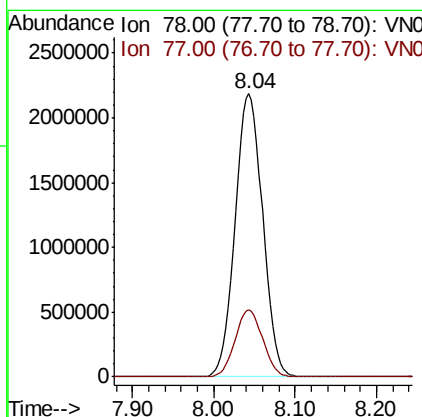
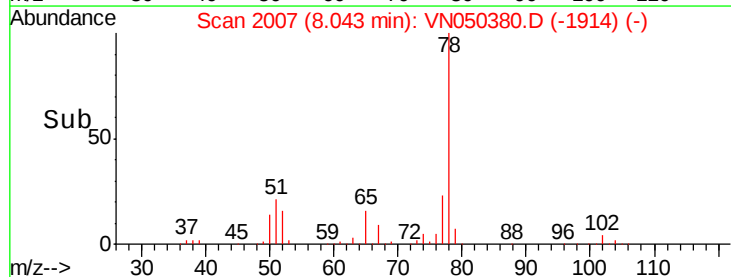
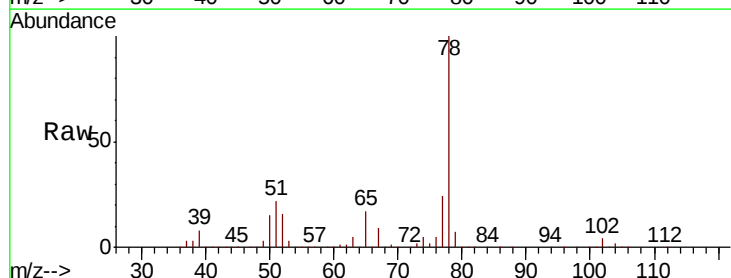
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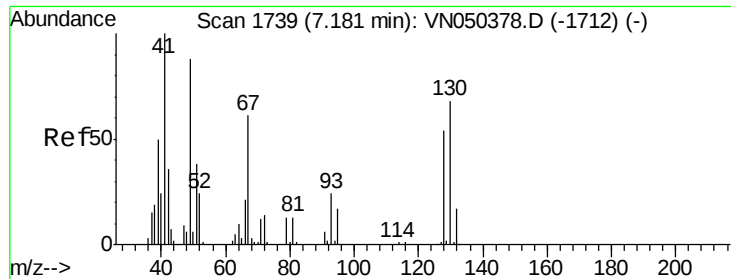
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#40
Benzene
Concen: 146.06 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050380.D
Acq: 6 Aug 2018 13:14

Tgt Ion	78	Resp	5123272
Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.7	28.1





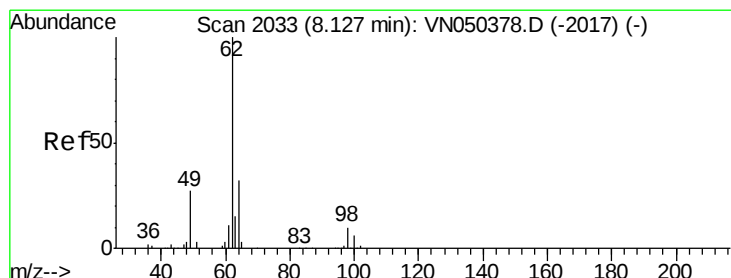
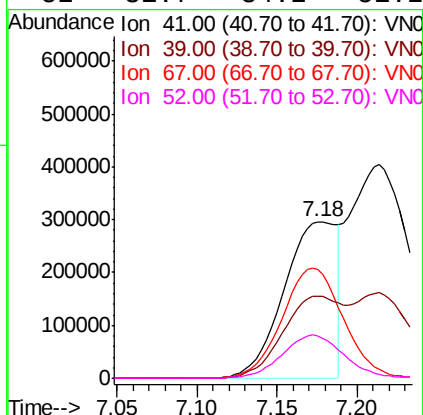
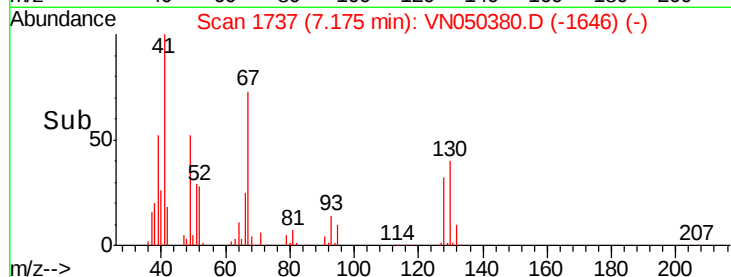
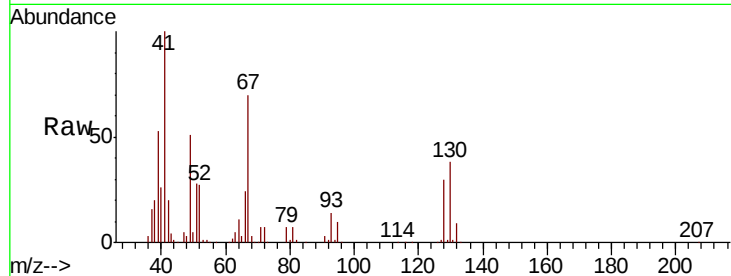
#41
Methacrylonitrile
Concen: 182.15 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. -0.01 min
Lab File: VN050380.D
Acq: 6 Aug 2018 13:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	60.2	55.8	83.6	
67	81.7	84.3	126.5	#
52	31.7	34.2	51.2	#

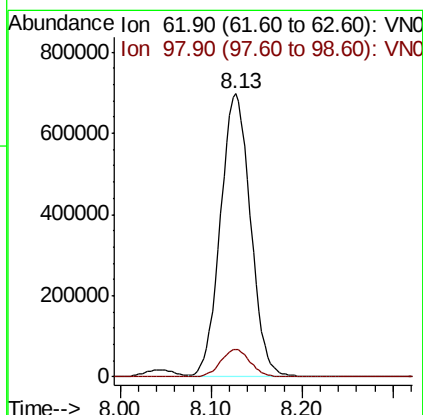
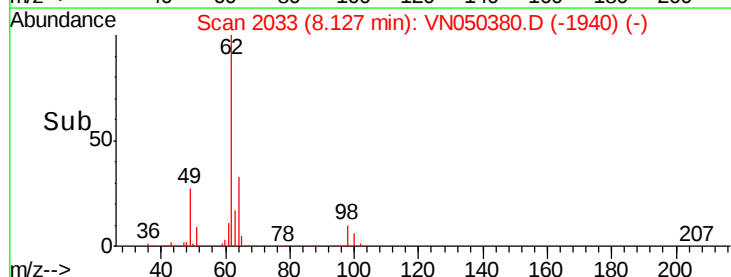
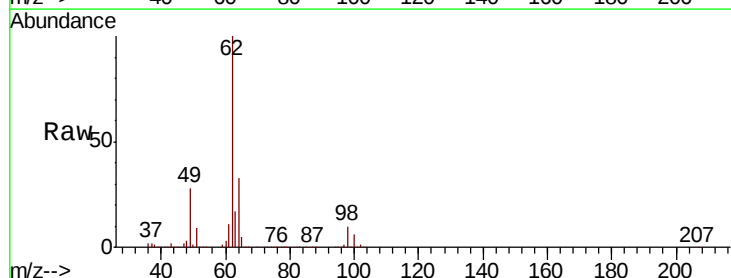
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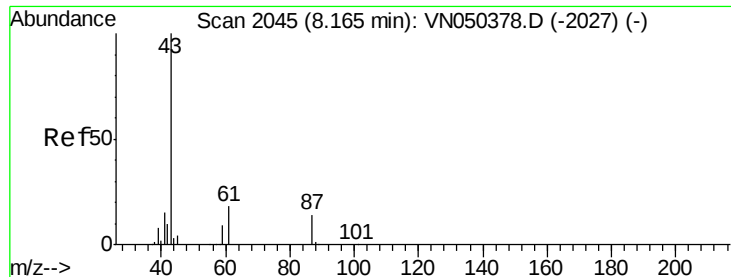
MMDadoda
8/7/2018 9:58:23 AM



#42
1,2-Dichloroethane
Concen: 136.81 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050380.D
Acq: 6 Aug 2018 13:14

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.5	0.0	18.8	





#43

Isopropyl Acetate

Concen: 112.58 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050380.D

Acq: 6 Aug 2018 13:14

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 43 Resp: 2190006

Ion Ratio Lower Upper

43 100

61 28.9 15.8 23.6#

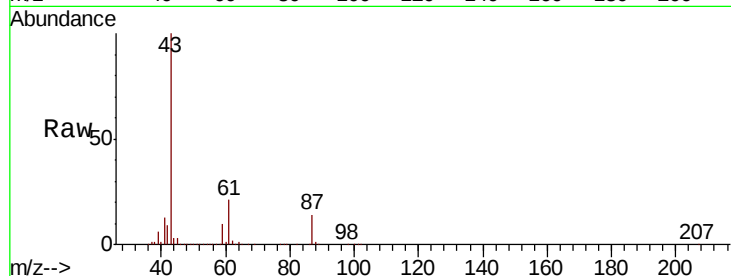
87 14.0 10.3 15.5

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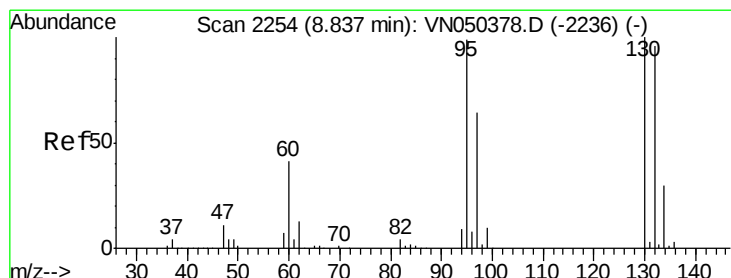
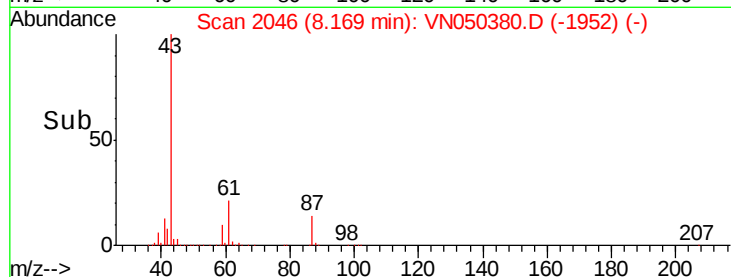
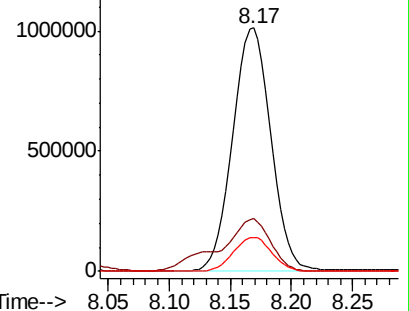
8/7/2018 9:58:23 AM



Abundance Ion 43.00 (42.70 to 43.70): VN050378.D (-2027) (-)

Ion 61.00 (60.70 to 61.70): VN050378.D (-2027) (-)

Ion 87.00 (86.70 to 87.70): VN050378.D (-2027) (-)



#44

Trichloroethene

Concen: 143.74 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN050380.D

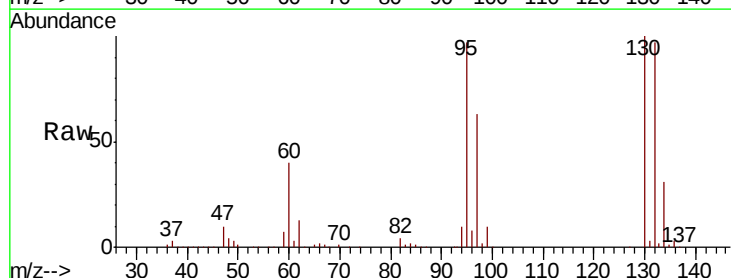
Acq: 6 Aug 2018 13:14

Tgt Ion:130 Resp: 1354723

Ion Ratio Lower Upper

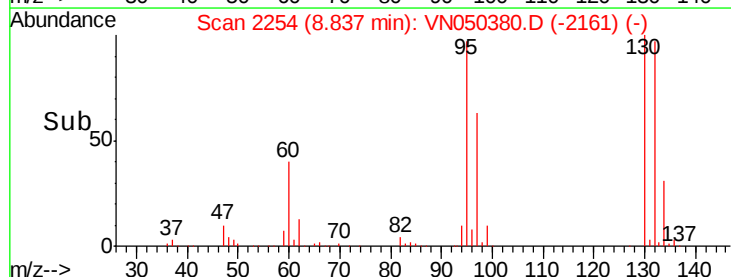
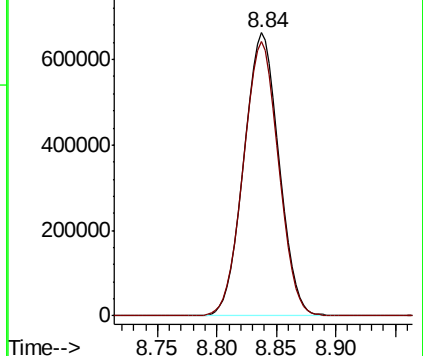
130 100

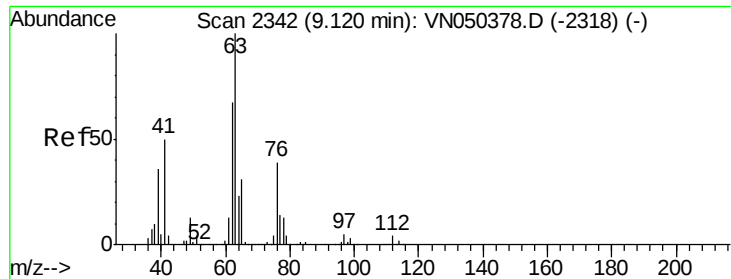
95 96.8 0.0 194.6



Abundance Ion 129.80 (129.50 to 130.50): VN050378.D (-2236) (-)

Ion 94.90 (94.60 to 95.60): VN050378.D (-2236) (-)





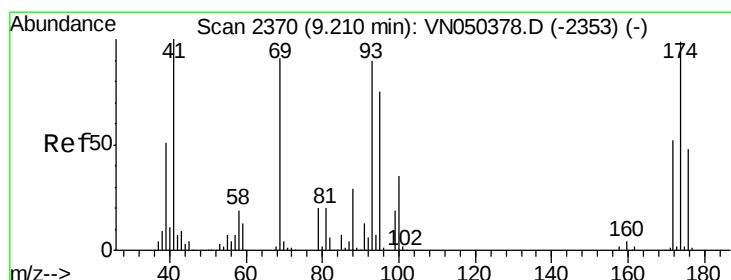
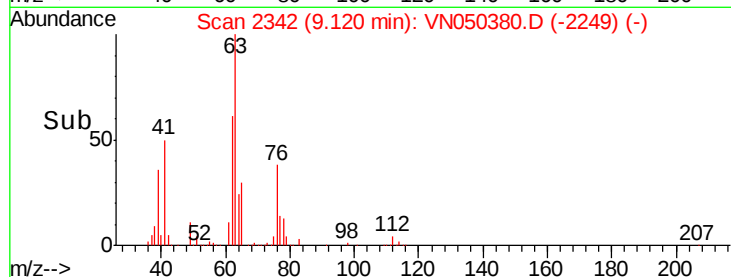
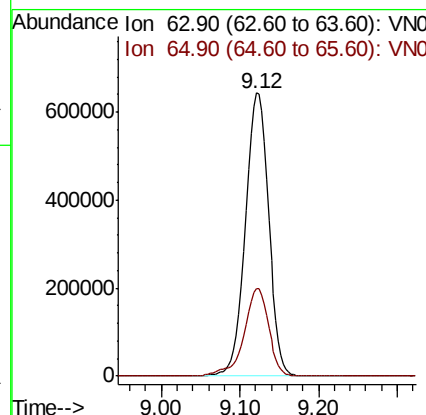
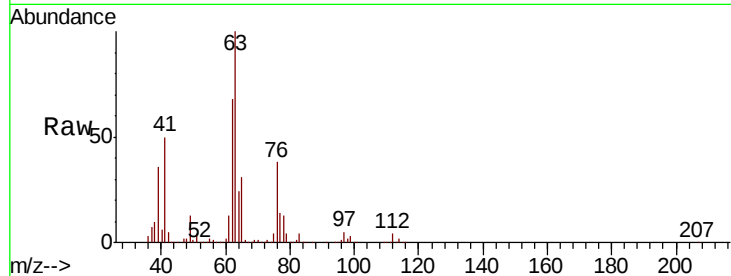
#45
 1,2-Dichloropropane
 Concen: 143.42 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050380.D
 Acq: 6 Aug 2018 13:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 63 Resp: 1332403
 Ion Ratio Lower Upper
 63 100
 65 31.0 25.5 38.3

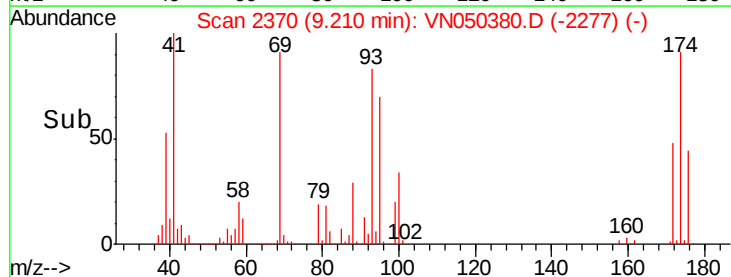
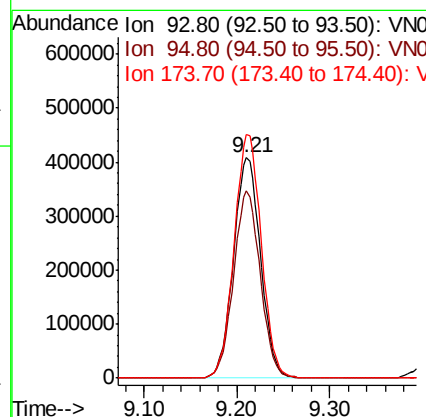
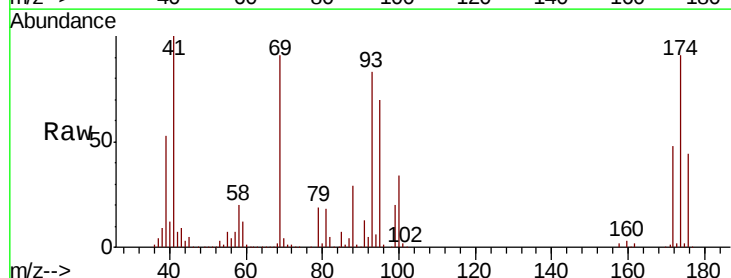
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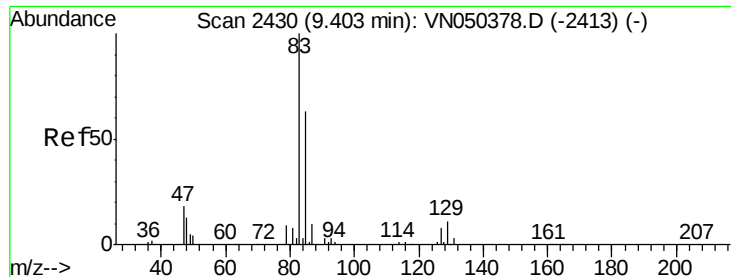
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 8/7/2018 9:58:23 AM



#46
 Dibromomethane
 Concen: 143.47 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050380.D
 Acq: 6 Aug 2018 13:14

Tgt Ion: 93 Resp: 827645
 Ion Ratio Lower Upper
 93 100
 95 83.8 66.6 100.0
 174 110.7 87.1 130.7





#47

Bromodichloromethane

Concen: 141.38 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN050380.D

Acq: 6 Aug 2018 13:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 1721310

Ion Ratio Lower Upper

83 100

85 64.3 51.1 76.7

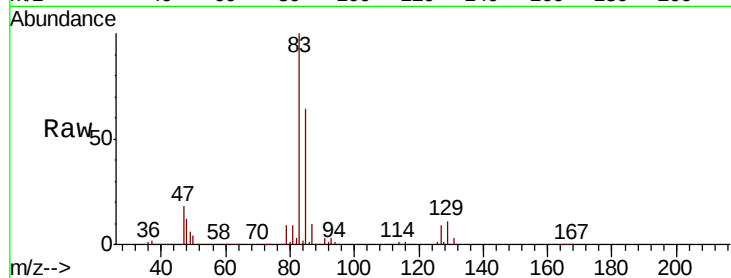
127 8.9 7.0 10.4

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Abundance Ion 82.90 (82.60 to 83.60): VN050380.D (-2337) (-)

Ion 84.90 (84.60 to 85.60): VN050380.D (-2337) (-)

Ion 126.80 (126.50 to 127.50): VN050380.D (-2337) (-)

9.40

800000

600000

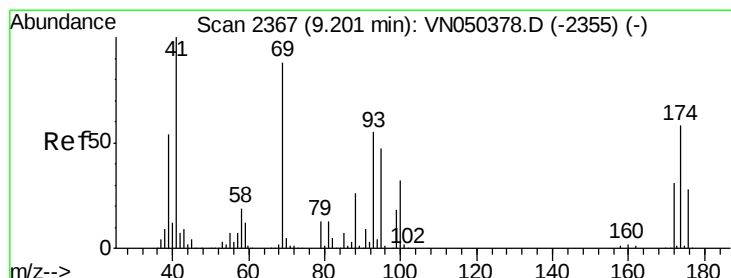
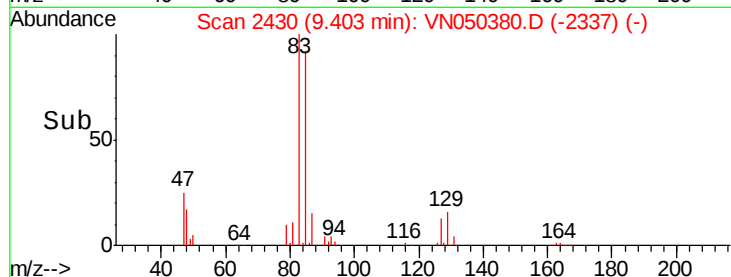
400000

200000

0

Time-->

9.30 9.40 9.50



#48

Methyl methacrylate

Concen: 160.79 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VN050380.D

Acq: 6 Aug 2018 13:14

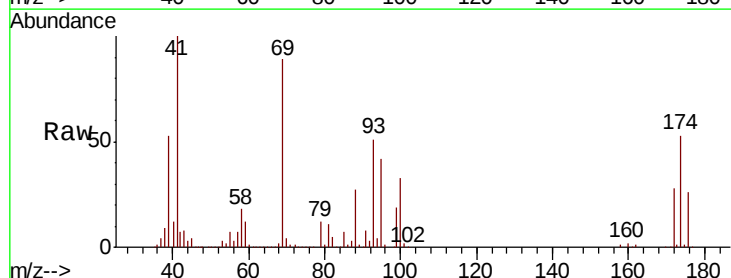
Tgt Ion: 41 Resp: 1112910

Ion Ratio Lower Upper

41 100

69 91.8 70.6 105.8

39 54.7 43.9 65.9



Abundance Ion 41.00 (40.70 to 41.70): VN050380.D (-2274) (-)

Ion 69.00 (68.70 to 69.70): VN050380.D (-2274) (-)

Ion 39.00 (38.70 to 39.70): VN050380.D (-2274) (-)

9.20

800000

600000

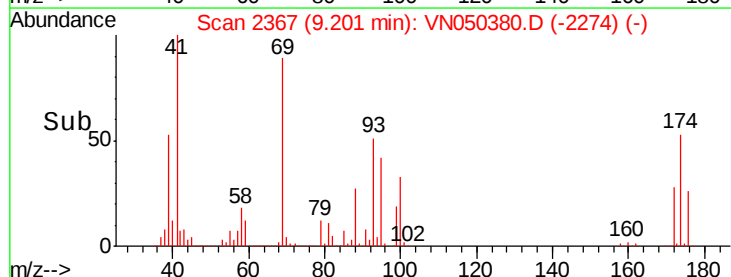
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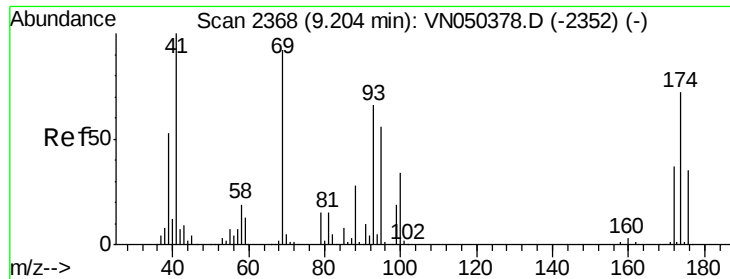
200000

0

Time-->

9.15 9.20 9.25





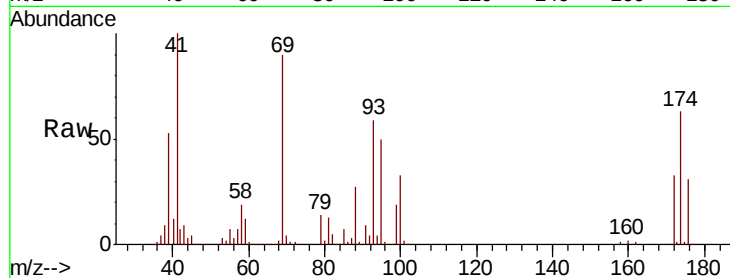
#49
1,4-Dioxane
Concen: 3657.17 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN050380.D
Acq: 6 Aug 2018 13:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

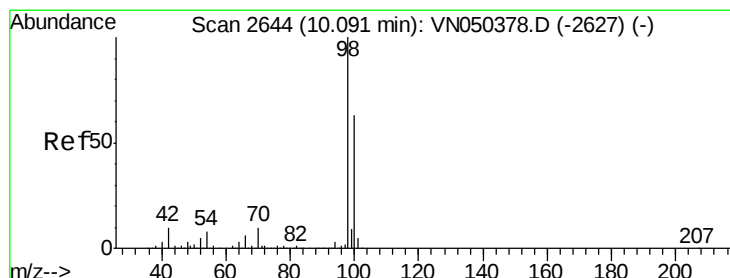
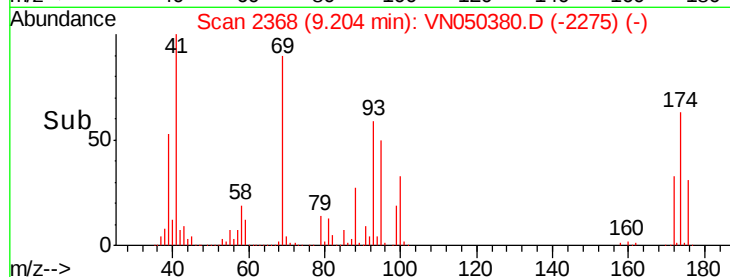
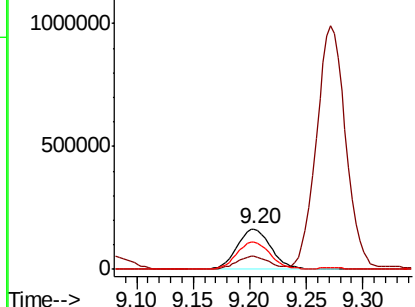
Tot Ion	Ratio	Lower	Upper
88	100		
43	30.6	26.9	40.3
58	67.9	57.3	85.9

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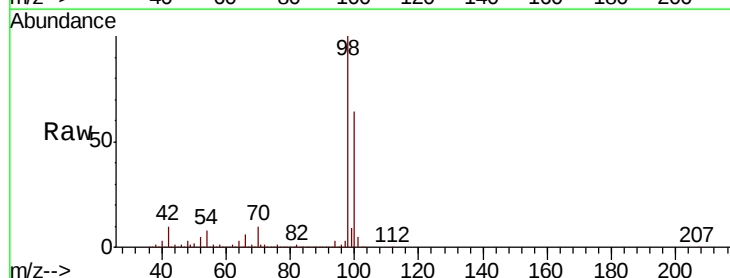


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

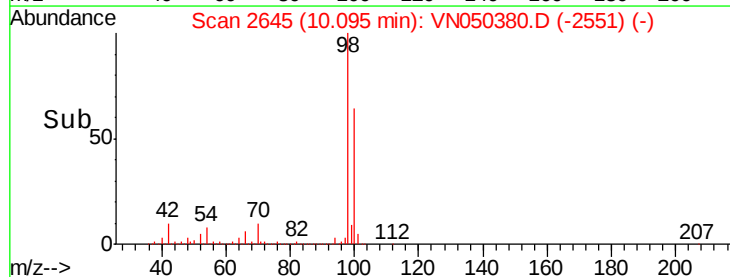
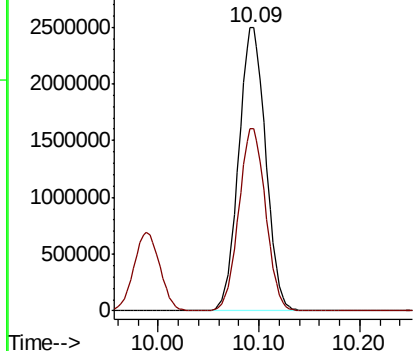


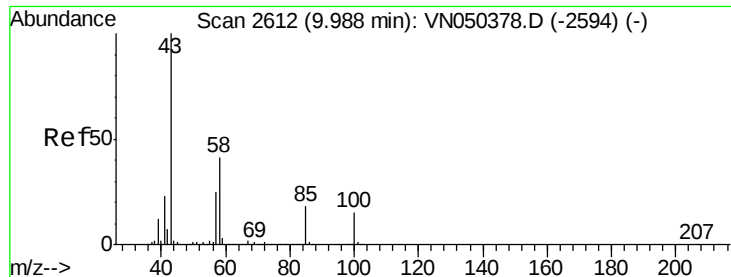
#50
Toluene-d8
Concen: 150.10 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN050380.D
Acq: 6 Aug 2018 13:14

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	50.7	76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





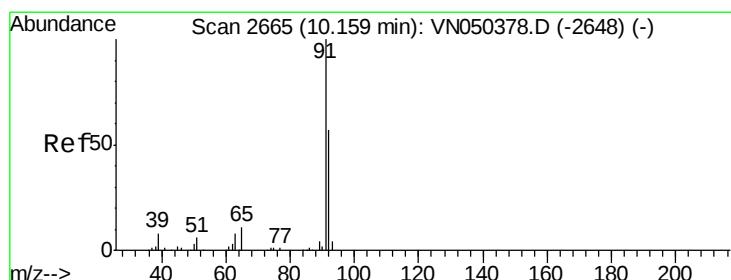
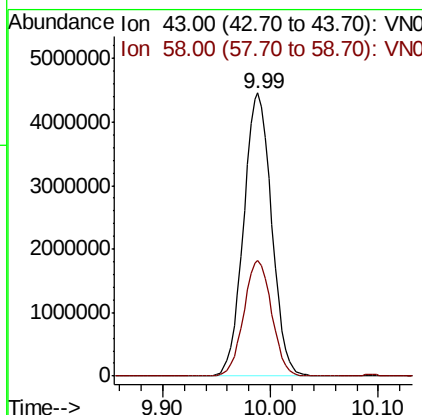
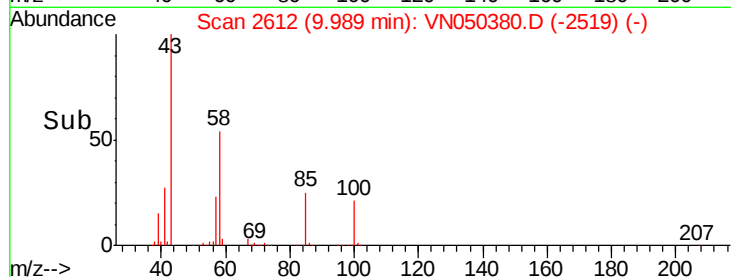
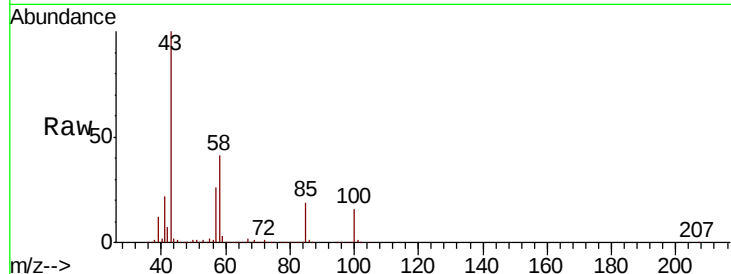
#51
 4-Methyl-2-Pentanone
 Concen: 1016.82 ug/l
 RT: 9.99 min Scan# 2612
 Delta R.T. 0.00 min
 Lab File: VN050380.D
 Acq: 6 Aug 2018 13:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 43 Resp: 8033229
 Ion Ratio Lower Upper
 43 100
 58 40.8 31.9 47.9

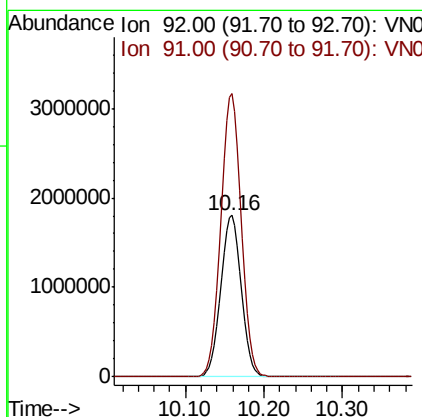
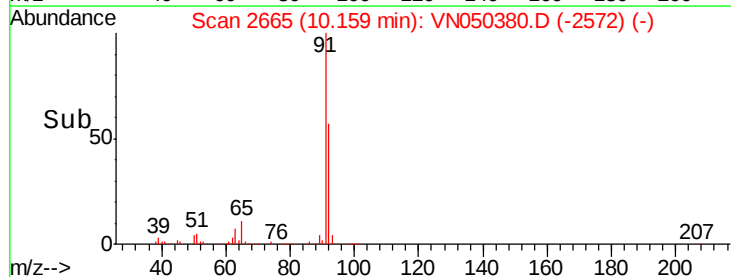
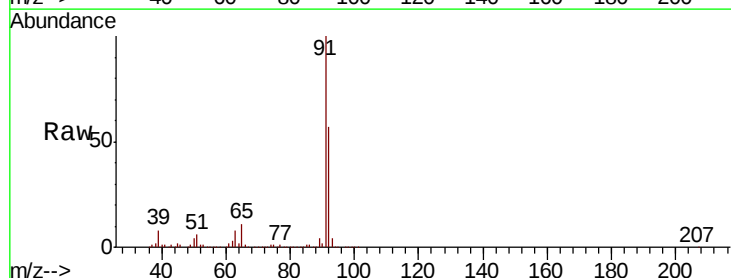
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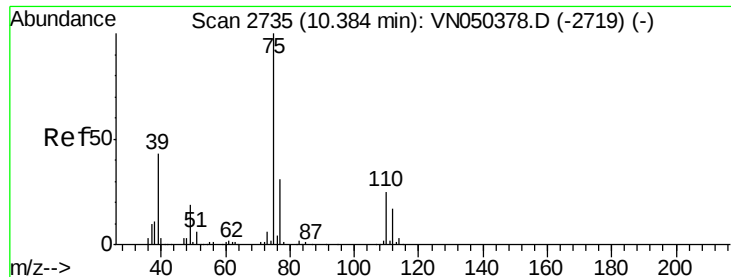
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#52
 Toluene
 Concen: 155.73 ug/l
 RT: 10.16 min Scan# 2665
 Delta R.T. 0.00 min
 Lab File: VN050380.D
 Acq: 6 Aug 2018 13:14

Tgt Ion: 92 Resp: 3224366
 Ion Ratio Lower Upper
 92 100
 91 174.6 140.3 210.5





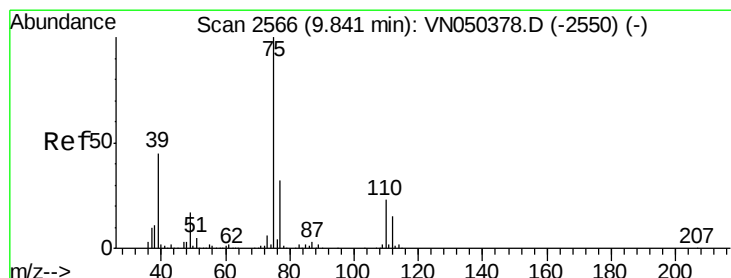
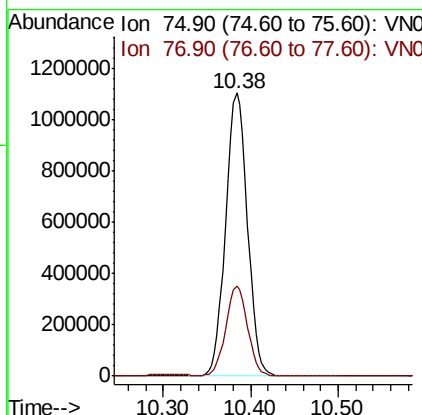
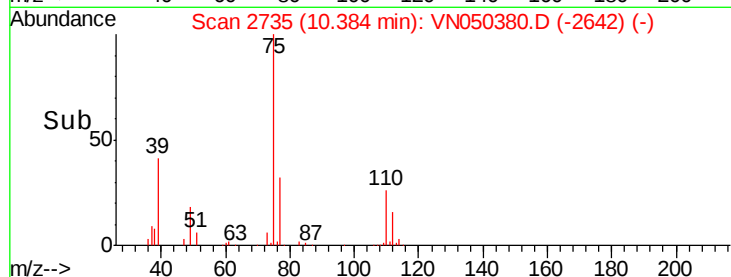
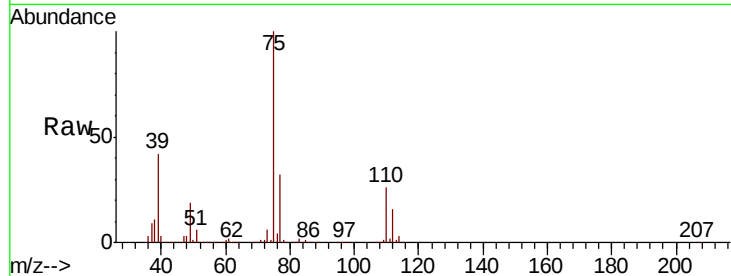
#53
t-1,3-Dichloropropene
Concen: 166.35 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN050380.D
Acq: 6 Aug 2018 13:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 75 Resp: 1911193
Ion Ratio Lower Upper
75 100
77 31.7 24.9 37.3

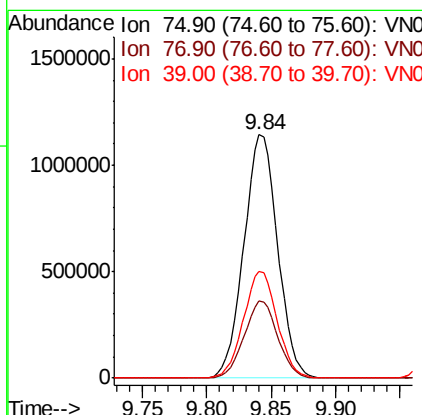
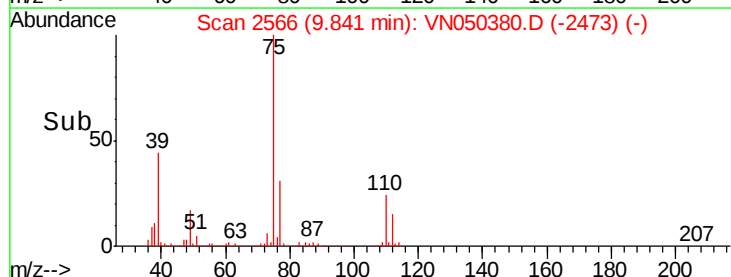
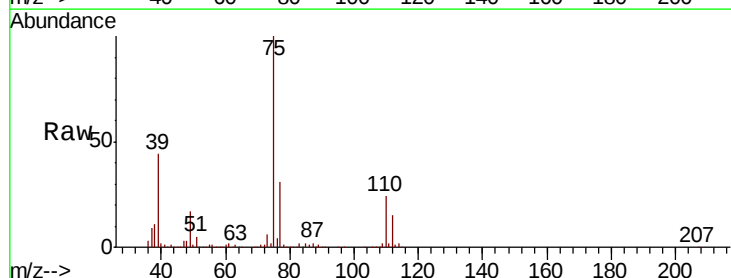
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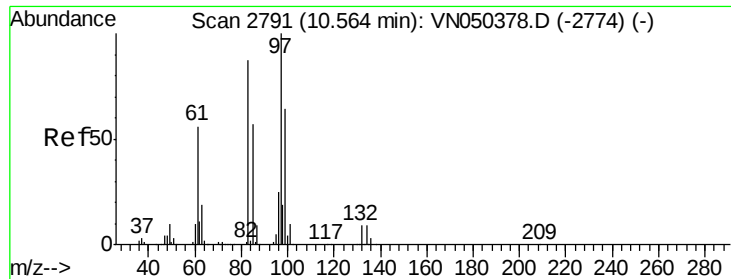
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#54
cis-1,3-Dichloropropene
Concen: 158.81 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VN050380.D
Acq: 6 Aug 2018 13:14

Tgt Ion: 75 Resp: 2085193
Ion Ratio Lower Upper
75 100
77 31.5 25.5 38.3
39 43.8 36.6 55.0





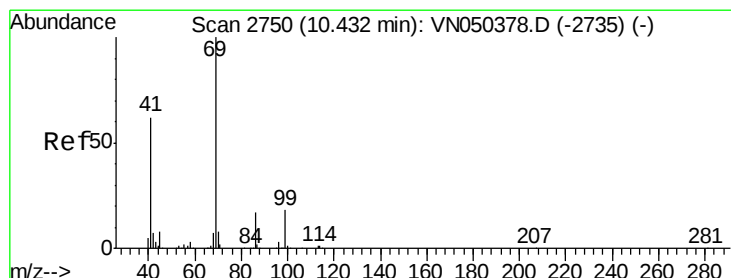
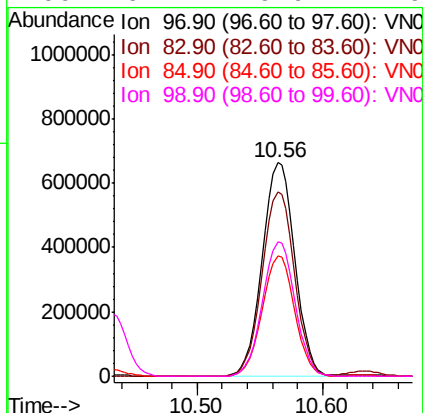
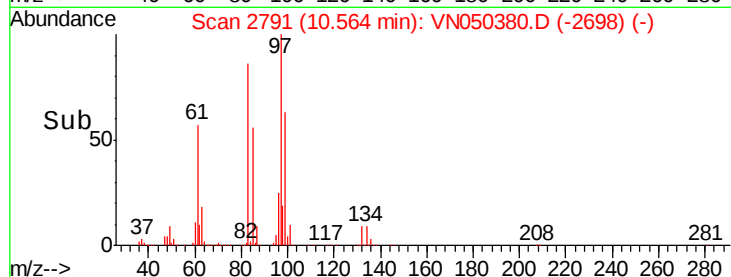
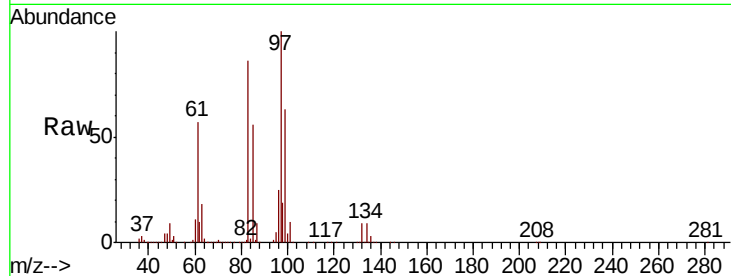
#55
 1,1,2-Trichloroethane
 Concen: 145.98 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050380.D
 Acq: 6 Aug 2018 13:14

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
97	100		
83	86.3	69.2	103.8
85	56.2	44.0	66.0
99	62.7	49.9	74.9

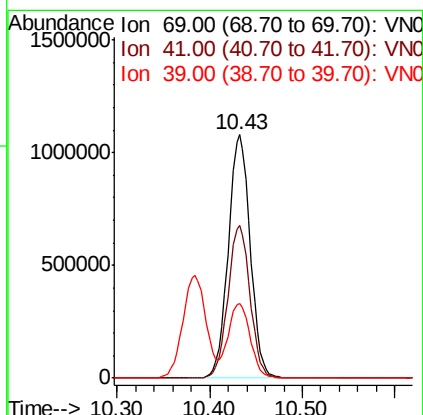
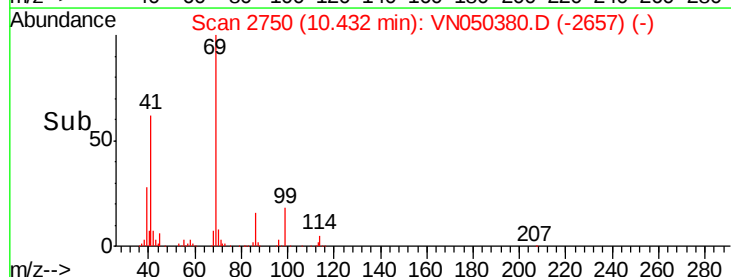
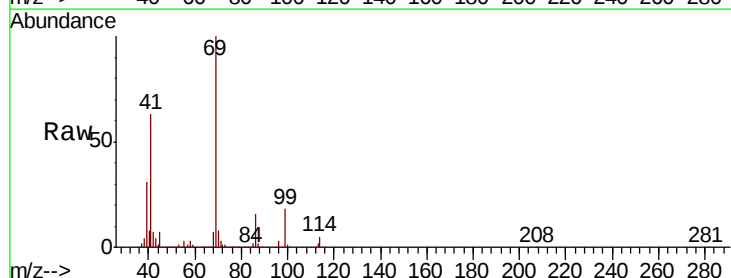
Manual Integrations
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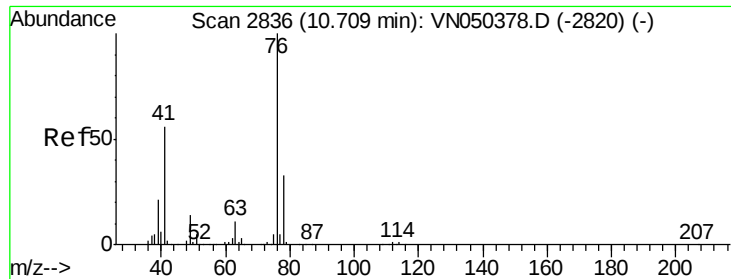
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#56
 Ethyl methacrylate
 Concen: 181.99 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN050380.D
 Acq: 6 Aug 2018 13:14

Tgt Ion	Ratio	Lower	Upper
69	100		
41	62.6	51.0	76.4
39	30.7	26.6	40.0





#57

1,3-Dichloropropane

Concen: 151.64 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN050380.D

Acq: 6 Aug 2018 13:14

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 76 Resp: 2027885

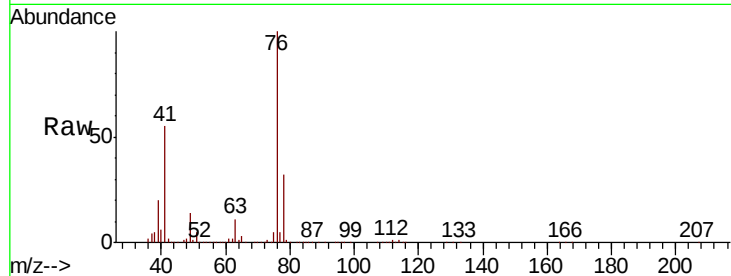
Ion Ratio Lower Upper

76 100

78 32.4 25.7 38.5

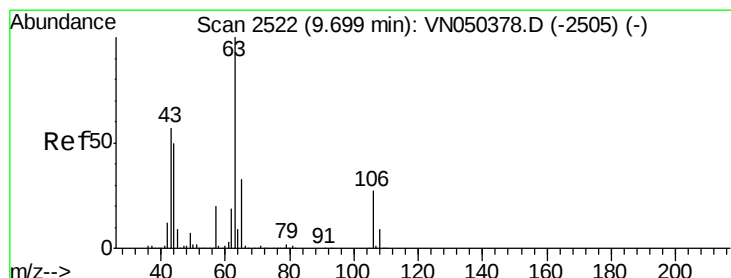
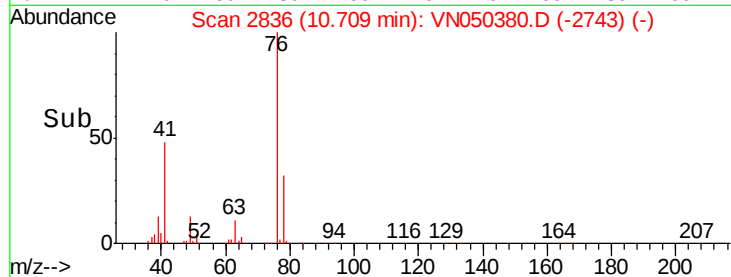
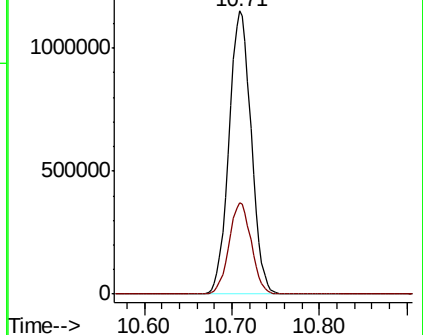
Manual Integrations
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8/7/2018 9:58:23 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 907.92 ug/l

RT: 9.70 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VN050380.D

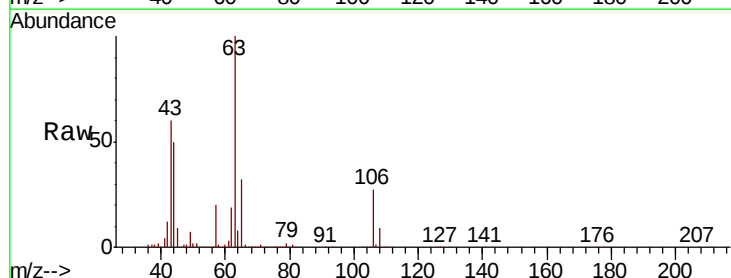
Acq: 6 Aug 2018 13:14

Tgt Ion: 63 Resp: 4100083

Ion Ratio Lower Upper

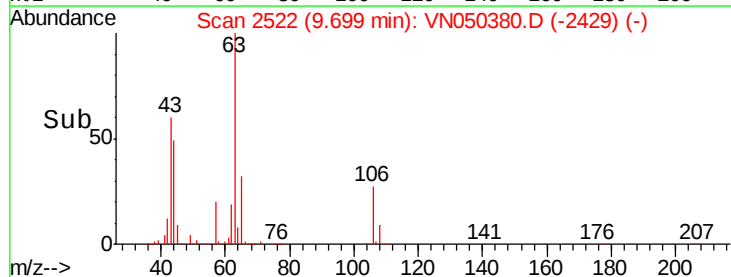
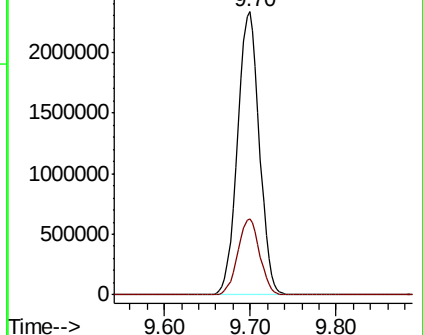
63 100

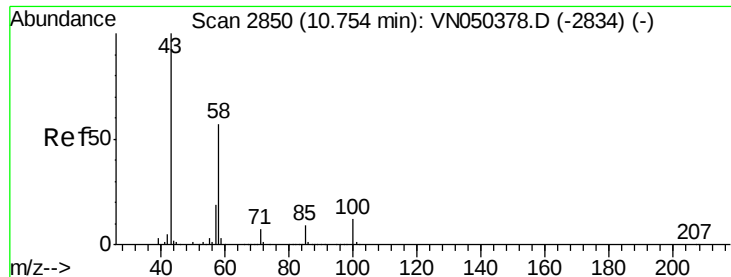
106 27.0 21.7 32.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





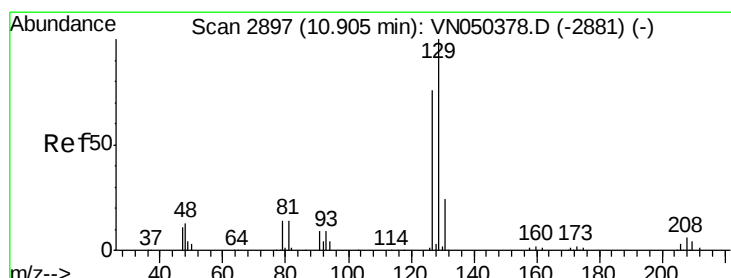
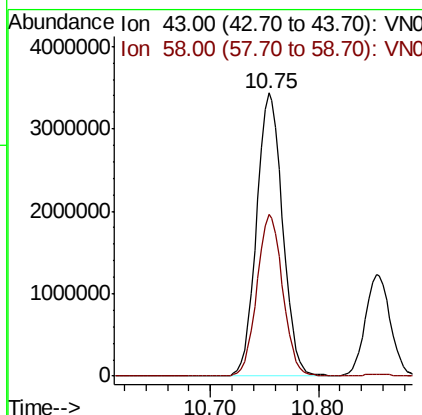
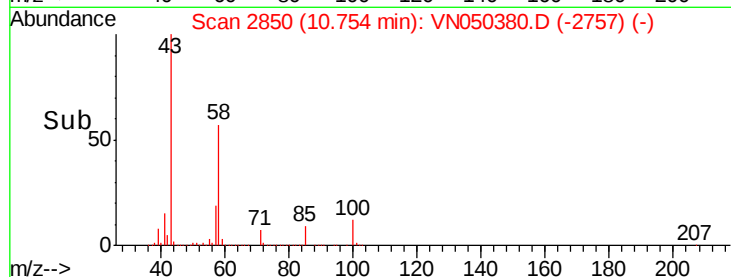
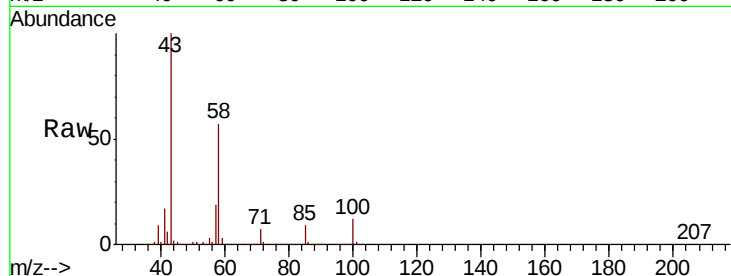
#59
2-Hexanone
Concen: 1099.59 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050380.D
Acq: 6 Aug 2018 13:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 5732459
Ion Ratio Lower Upper
43 100
58 56.6 27.6 82.7

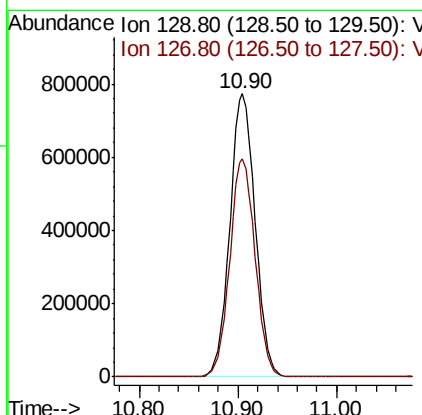
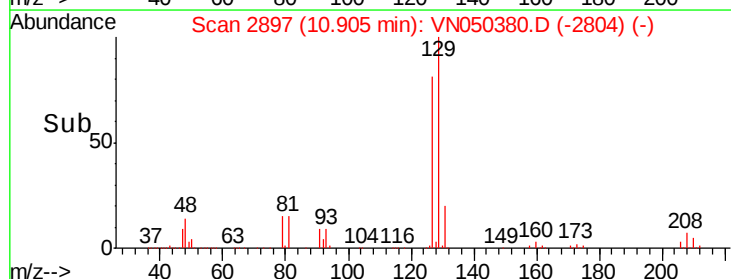
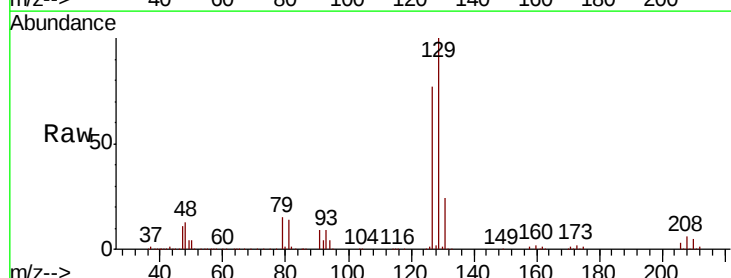
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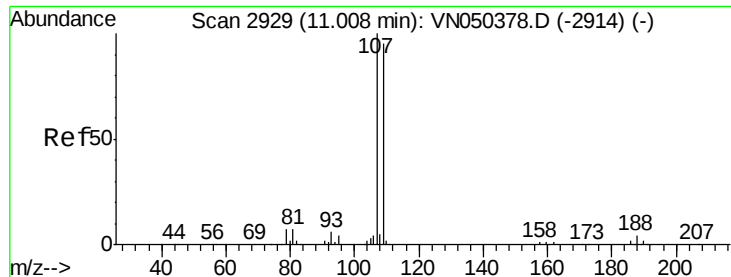
MMDadoda
8/7/2018 9:58:23 AM



#60
Dibromochloromethane
Concen: 151.86 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN050380.D
Acq: 6 Aug 2018 13:14

Tgt Ion: 129 Resp: 1380802
Ion Ratio Lower Upper
129 100
127 77.2 38.0 113.9





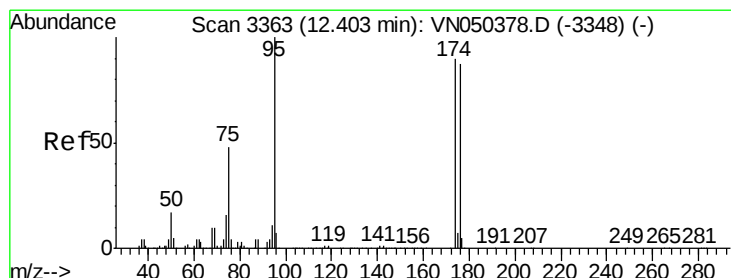
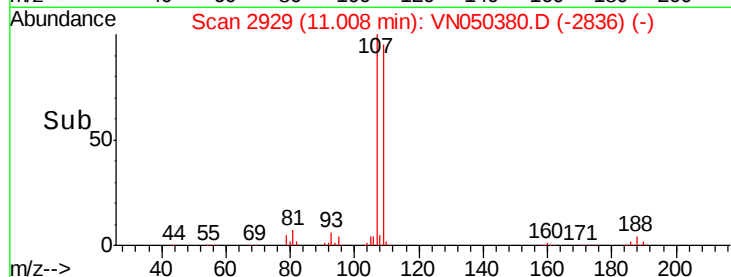
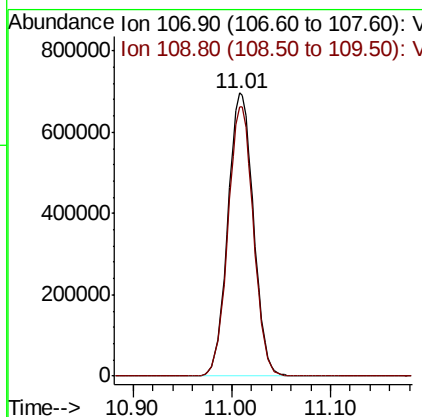
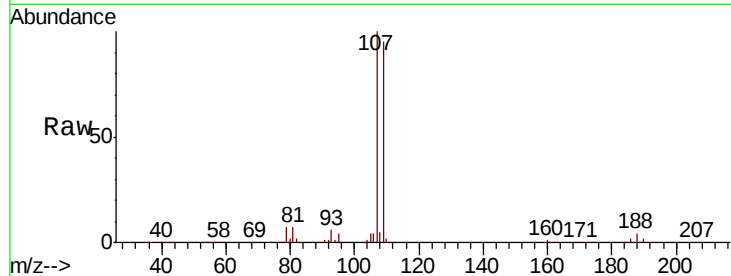
#61
 1,2-Dibromoethane
 Concen: 153.82 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN050380.D
 Acq: 6 Aug 2018 13:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:107 Resp: 1253336
 Ion Ratio Lower Upper
 107 100
 109 94.8 74.6 112.0

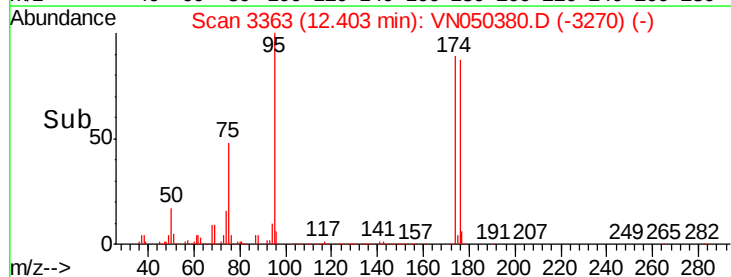
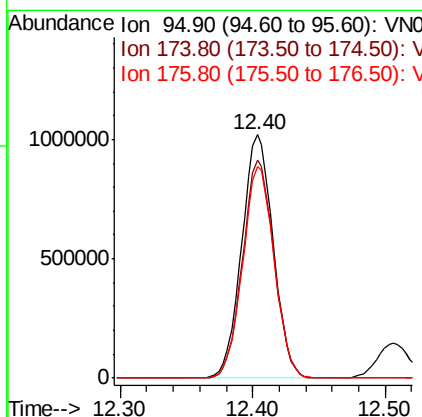
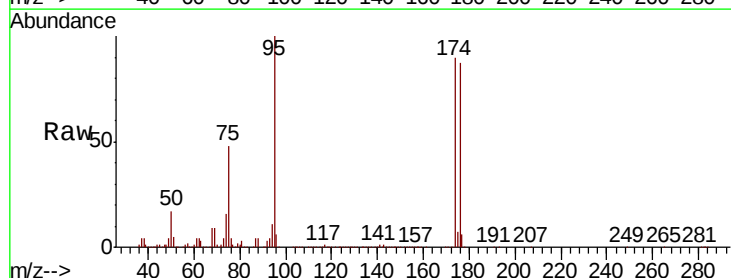
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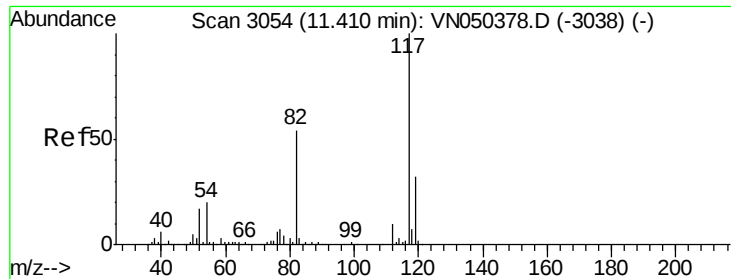
MMDadoda
 8/7/2018 9:58:23 AM



#62
 4-Bromofluorobenzene
 Concen: 165.68 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050380.D
 Acq: 6 Aug 2018 13:14

Tgt Ion: 95 Resp: 1675437
 Ion Ratio Lower Upper
 95 100
 174 89.6 0.0 178.2
 176 87.2 0.0 173.4





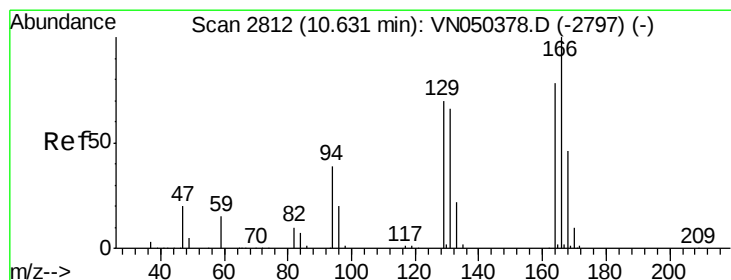
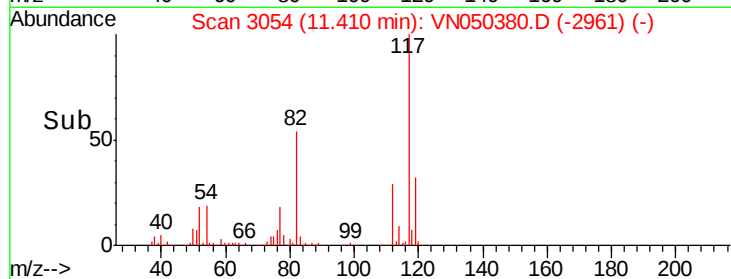
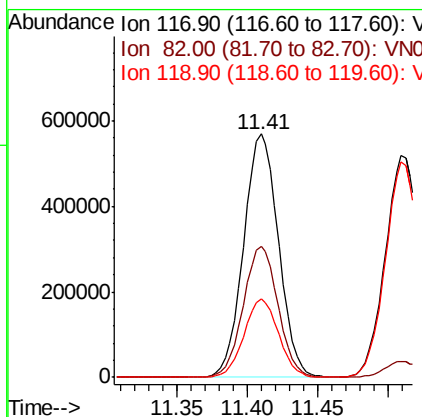
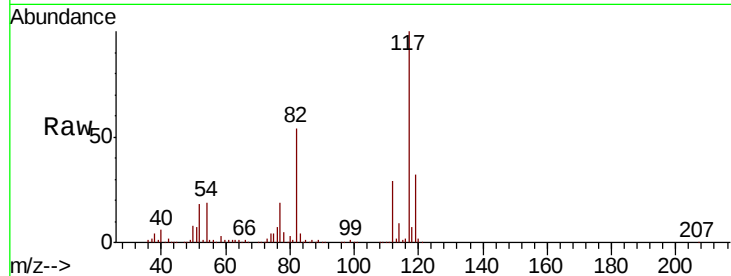
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050380.D
Acq: 6 Aug 2018 13:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.8	43.7	65.5
119	32.0	26.1	39.1

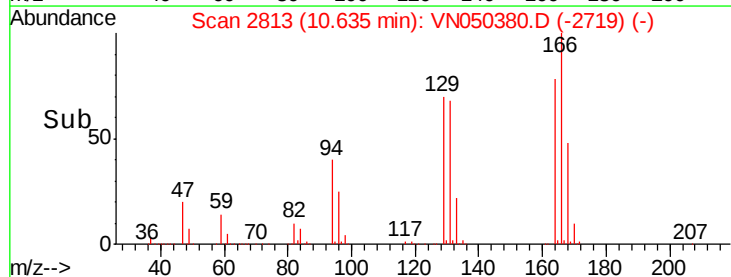
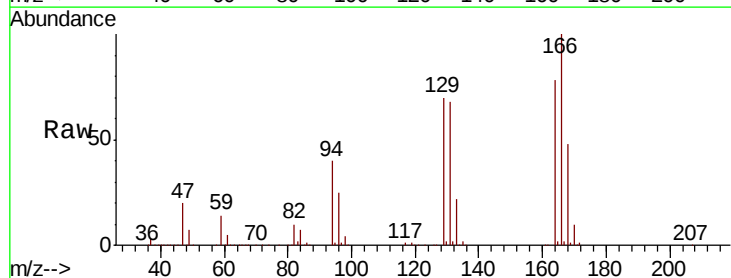
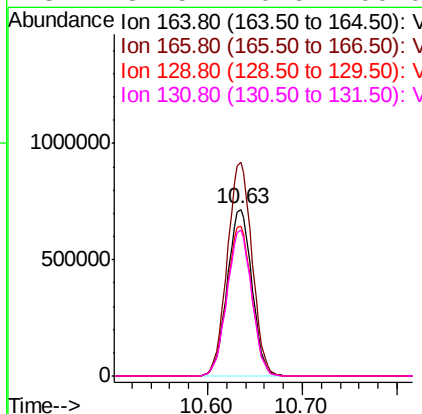
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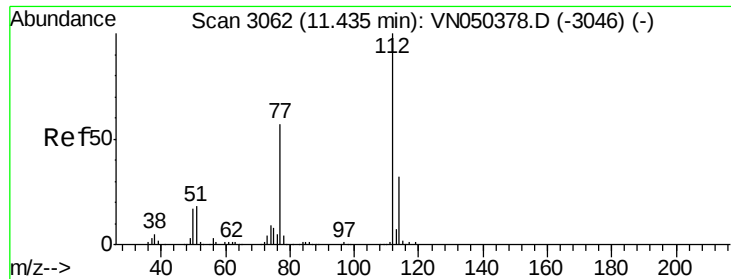
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#64
Tetrachloroethene
Concen: 136.30 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN050380.D
Acq: 6 Aug 2018 13:14

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.0	102.1	153.1
129	90.0	73.2	109.8
131	87.5	70.6	106.0





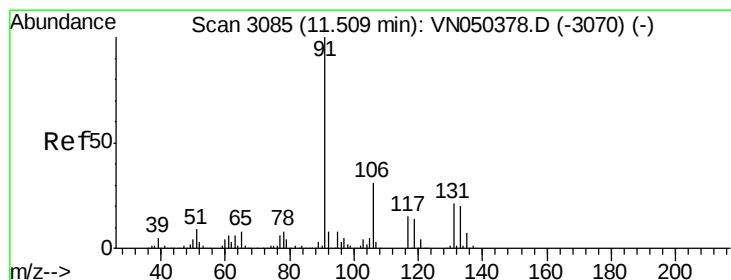
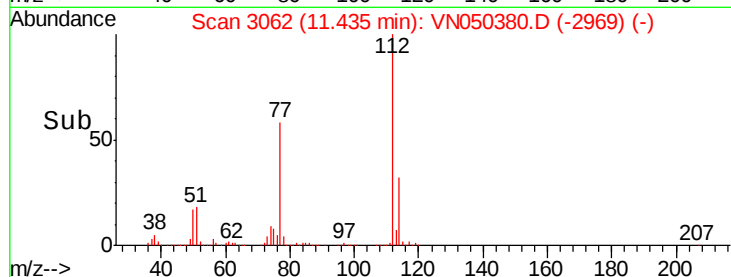
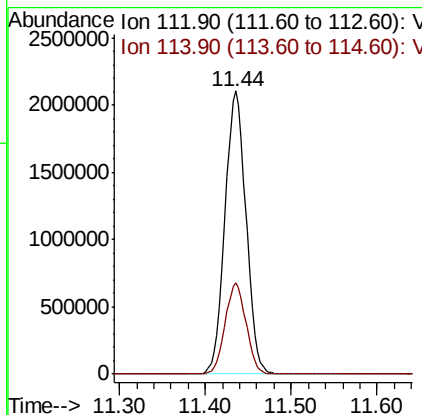
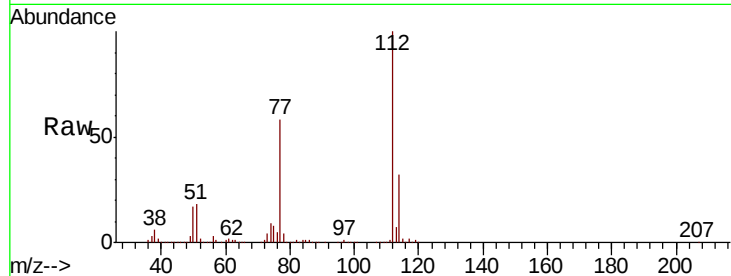
#65
Chlorobenzene
Concen: 143.29 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050380.D
Acq: 6 Aug 2018 13:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 3578757
Ion Ratio Lower Upper
112 100
114 32.1 25.6 38.4

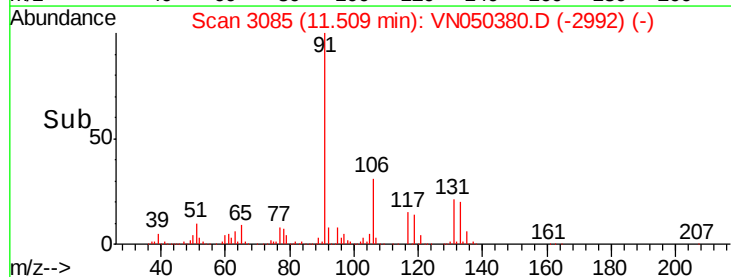
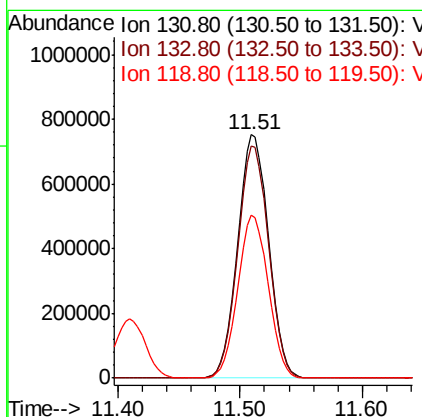
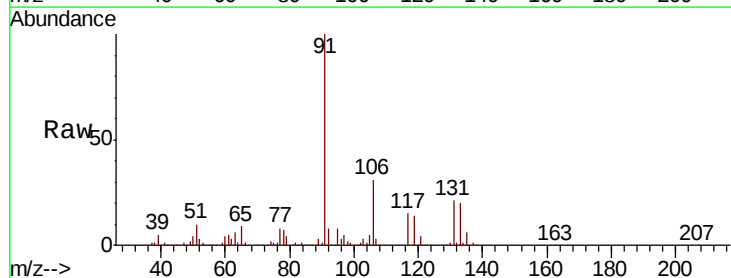
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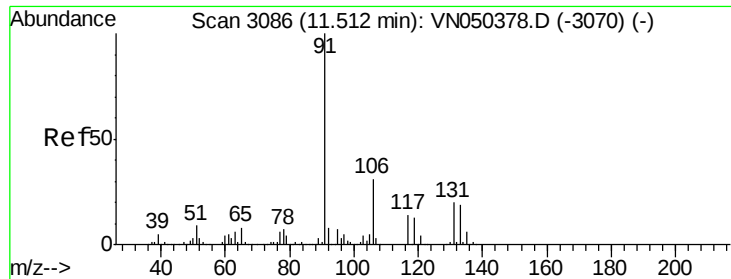
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#66
1,1,1,2-Tetrachloroethane
Concen: 136.84 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN050380.D
Acq: 6 Aug 2018 13:14

Tgt Ion:131 Resp: 1313119
Ion Ratio Lower Upper
131 100
133 95.5 47.3 141.9
119 66.2 32.9 98.7





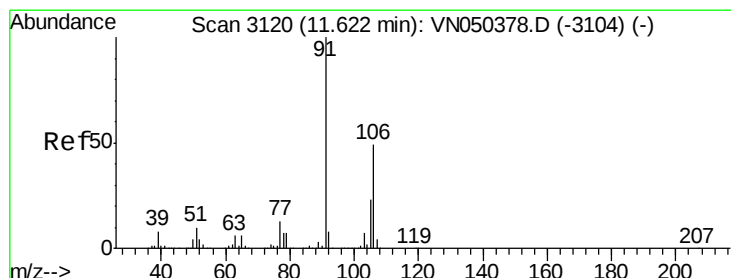
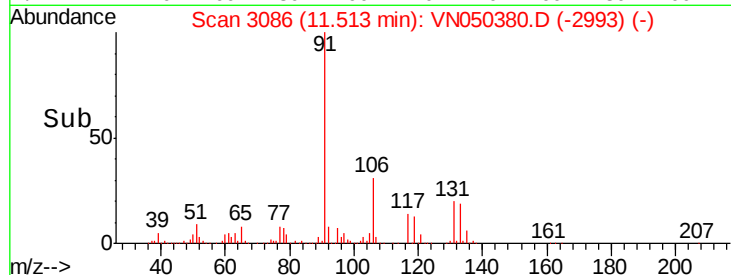
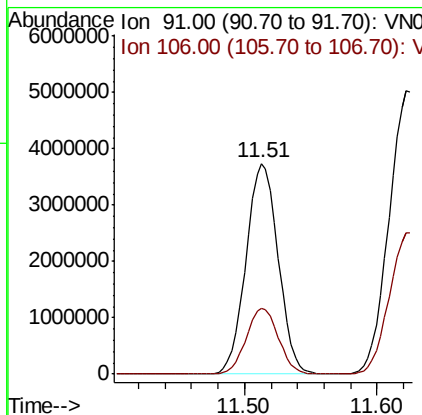
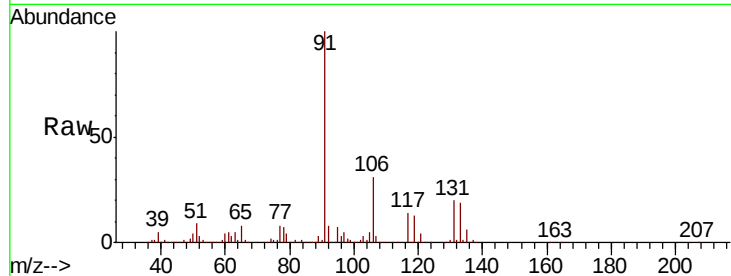
#67
Ethyl Benzene
Concen: 156.75 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050380.D
Acq: 6 Aug 2018 13:14

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion: 91 Resp: 6288577
Ion Ratio Lower Upper
91 100
106 31.5 25.0 37.4

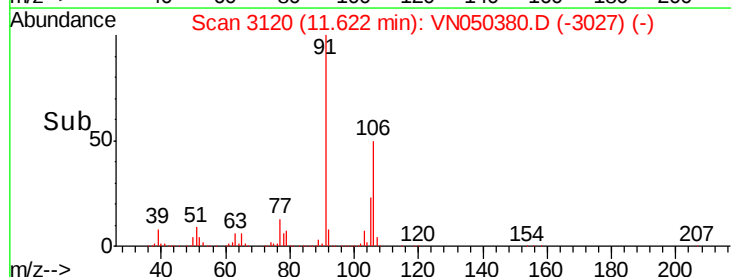
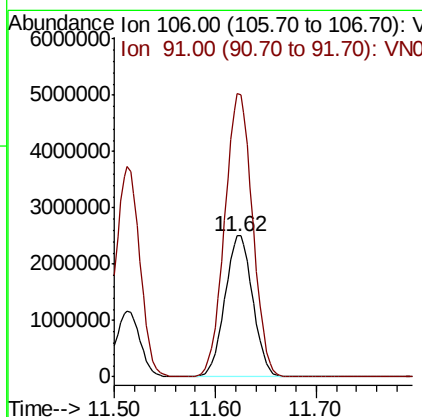
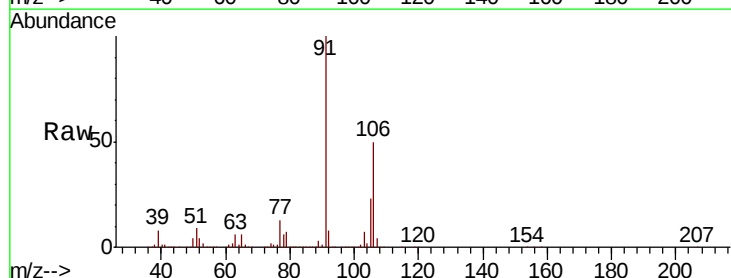
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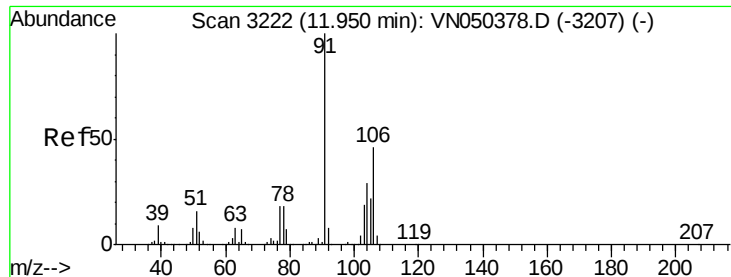
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#68
m/p-Xylenes
Concen: 317.64 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN050380.D
Acq: 6 Aug 2018 13:14

Tgt Ion: 106 Resp: 4820185
Ion Ratio Lower Upper
106 100
91 201.4 162.2 243.2





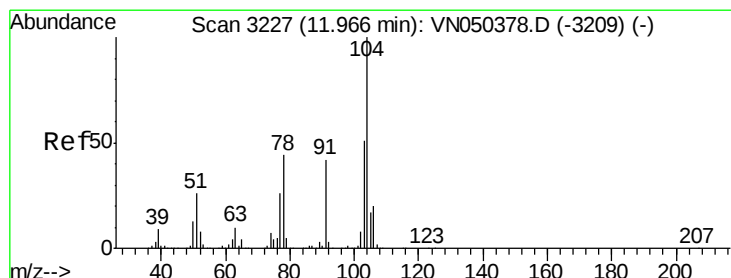
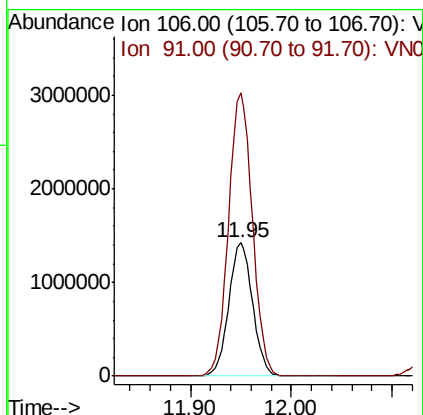
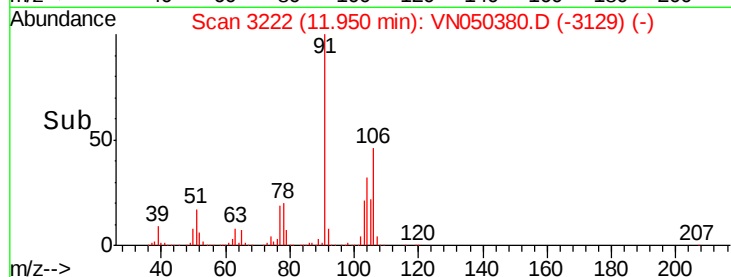
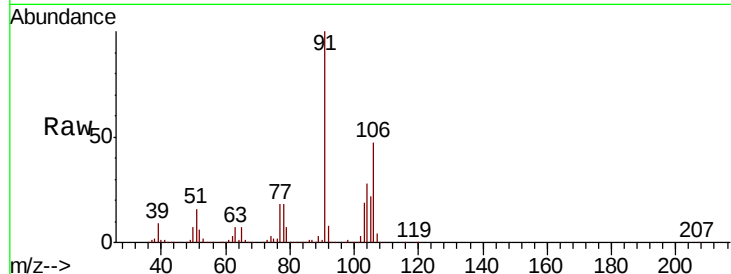
#69
o-Xylene
Concen: 161.79 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050380.D
Acq: 6 Aug 2018 13:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:106 Resp: 2340496
Ion Ratio Lower Upper
106 100
91 213.7 107.7 323.1

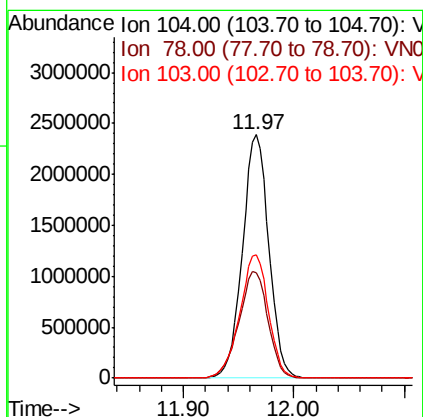
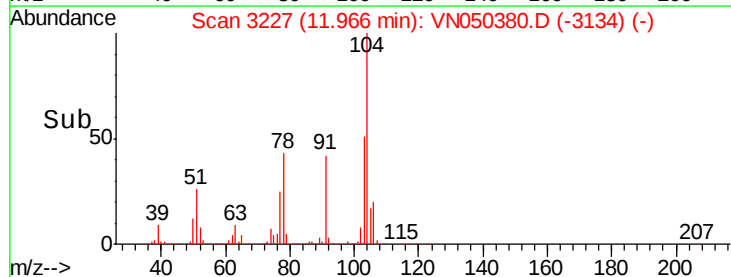
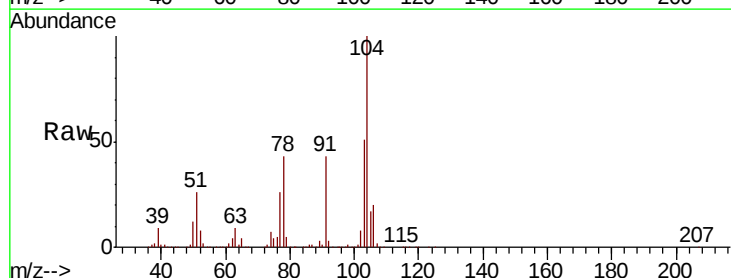
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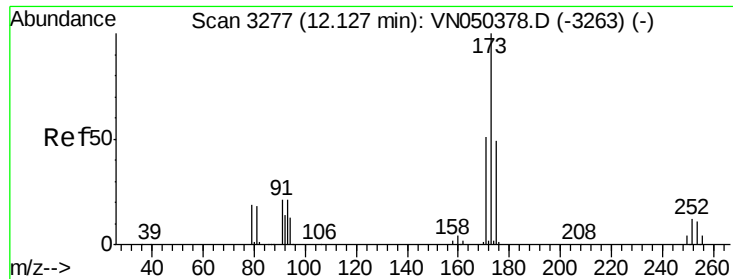
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#70
Styrene
Concen: 172.00 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050380.D
Acq: 6 Aug 2018 13:14

Tgt Ion:104 Resp: 3934876
Ion Ratio Lower Upper
104 100
78 48.5 39.3 58.9
103 55.2 45.0 67.6





#71

Bromoform

Concen: 150.86 ug/l

RT: 12.13 min Scan# 3278

Delta R.T. 0.00 min

Lab File: VN050380.D

Acq: 6 Aug 2018 13:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:173 Resp: 1053099

Ion Ratio Lower Upper

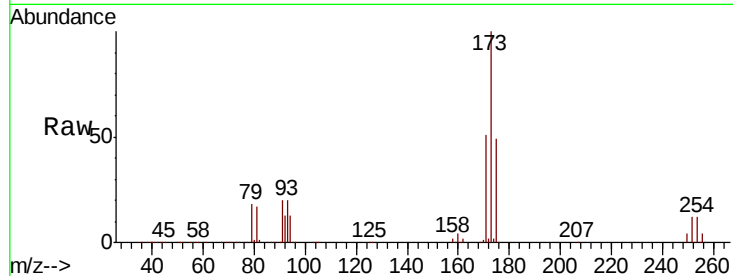
173 100

175 49.0 24.1 72.2

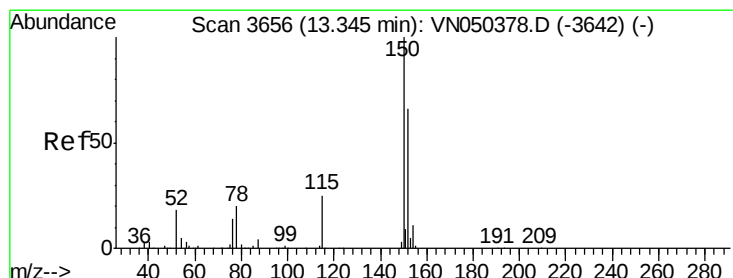
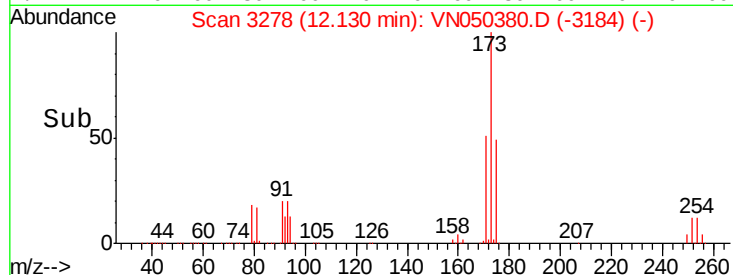
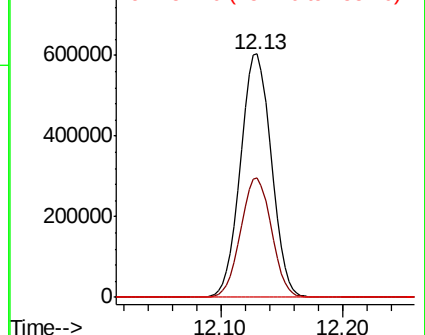
254 0.2 0.2 0.2

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050380.D

Acq: 6 Aug 2018 13:14

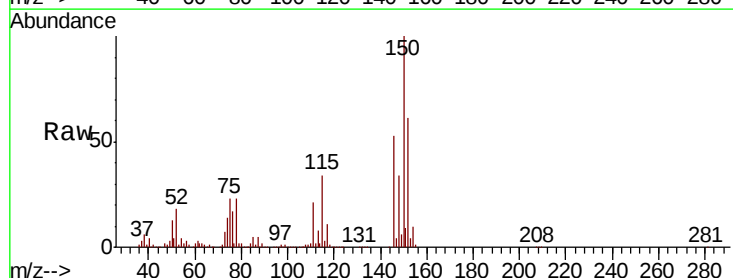
Tgt Ion:152 Resp: 558732

Ion Ratio Lower Upper

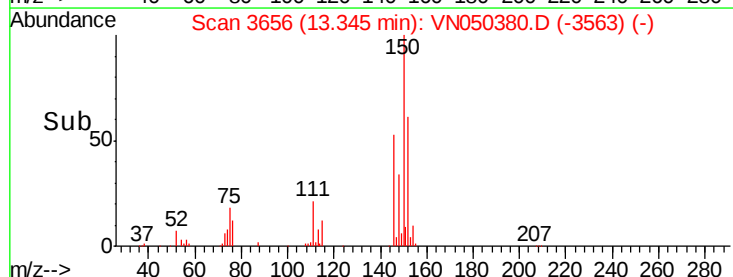
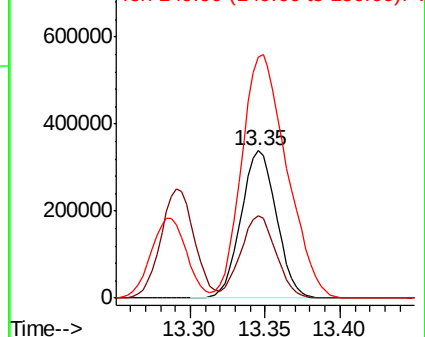
152 100

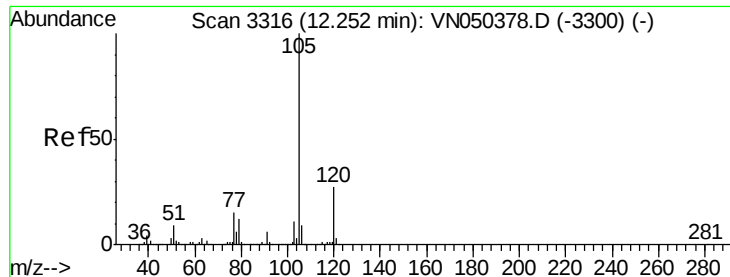
115 55.3 27.8 83.3

150 209.9 0.0 348.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 142.77 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050380.D

Acq: 6 Aug 2018 13:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 6186465

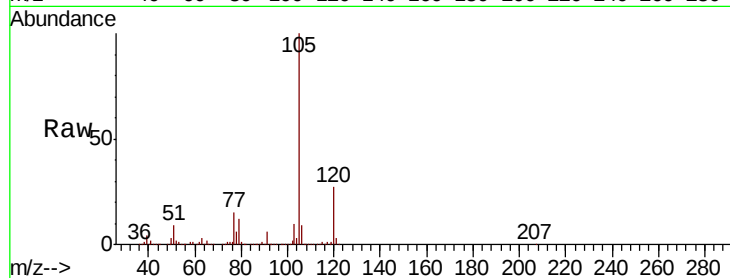
Ion Ratio Lower Upper

105 100

120 26.7 13.3 39.8

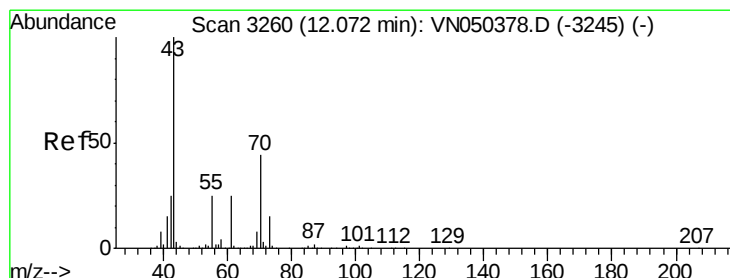
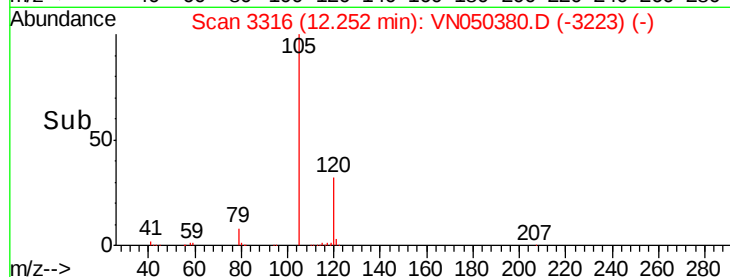
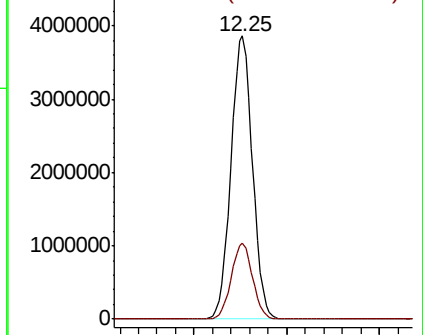
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 159.39 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN050380.D

Acq: 6 Aug 2018 13:14

Tgt Ion: 43 Resp: 2110981

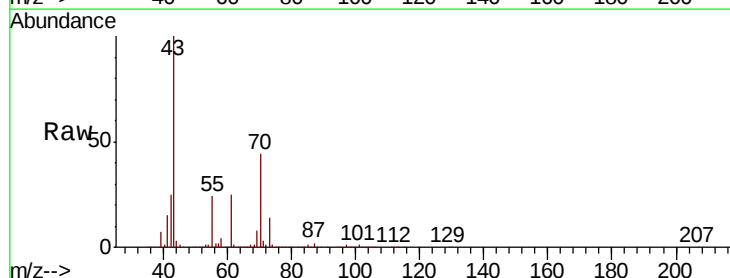
Ion Ratio Lower Upper

43 100

70 43.4 34.4 51.6

55 24.9 20.8 31.2

61 25.2 19.7 29.5

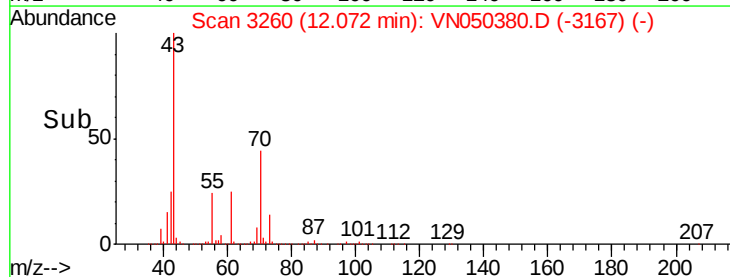
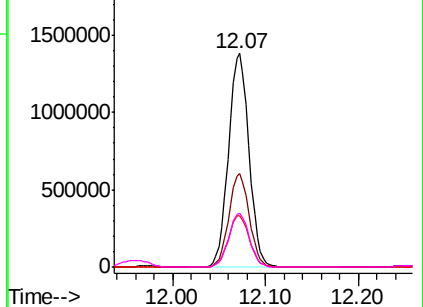


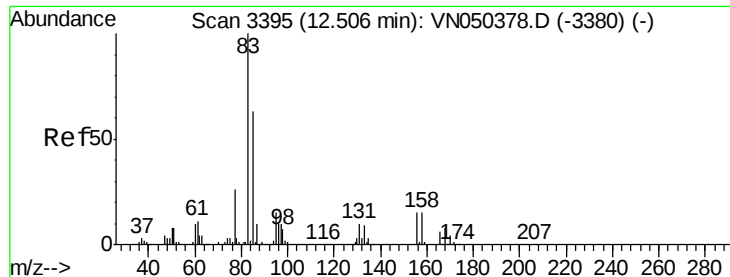
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 124.19 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050380.D

Acq: 6 Aug 2018 13:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 1645882

Ion Ratio Lower Upper

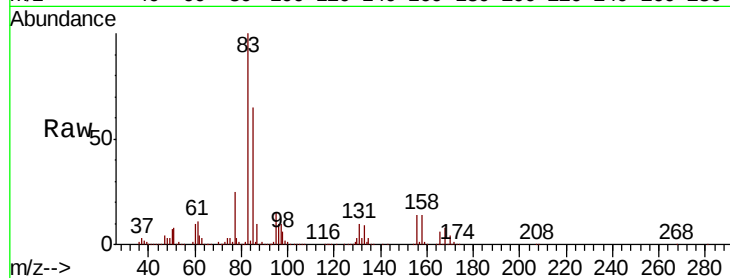
83 100

131 10.2 5.1 15.3

85 64.8 32.3 96.8

Manual Integrations
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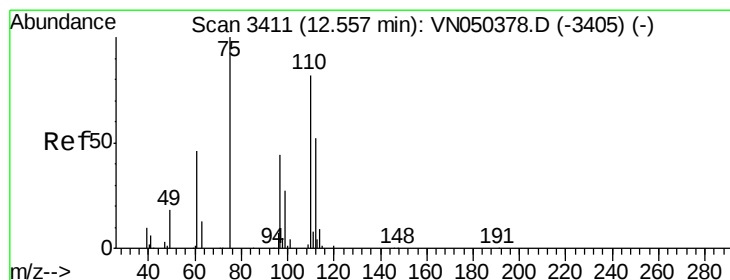
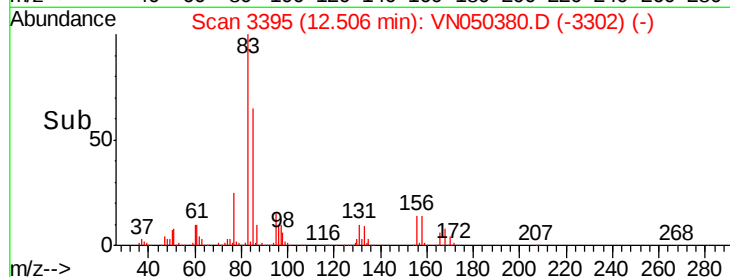
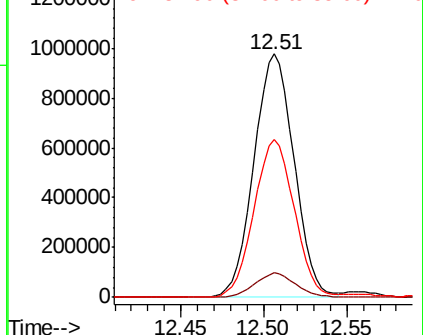
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Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 141.78 ug/l m

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN050380.D

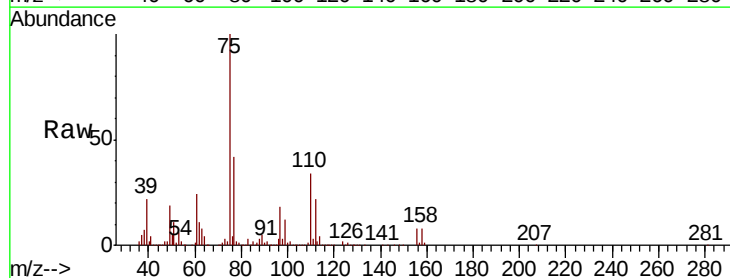
Acq: 6 Aug 2018 13:14

Tgt Ion: 75 Resp: 1472218

Ion Ratio Lower Upper

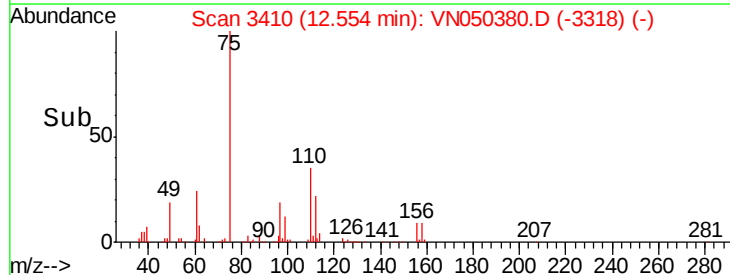
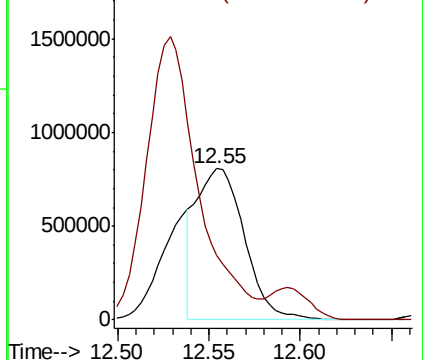
75 100

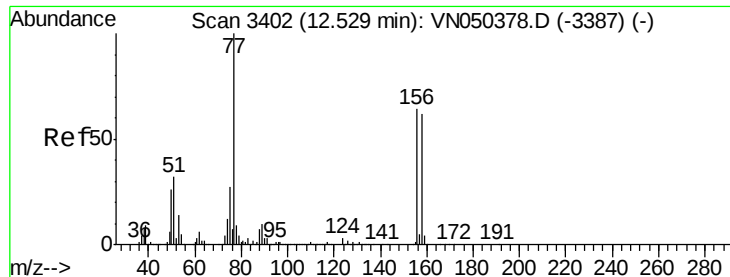
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 134.90 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN050380.D

Acq: 6 Aug 2018 13:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:156 Resp: 1620165

Ion Ratio Lower Upper

156 100

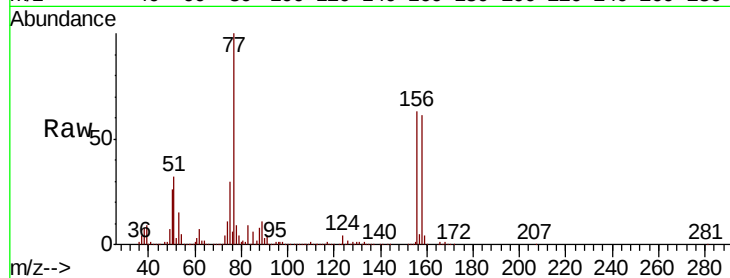
77 185.3 91.7 275.1

158 97.7 48.9 146.6

Manual Integrations
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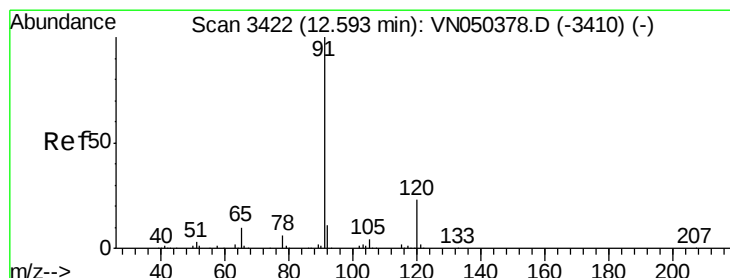
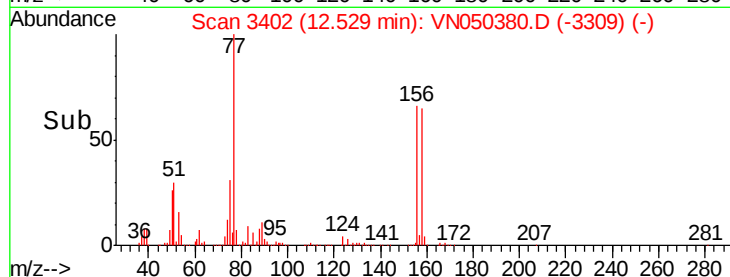
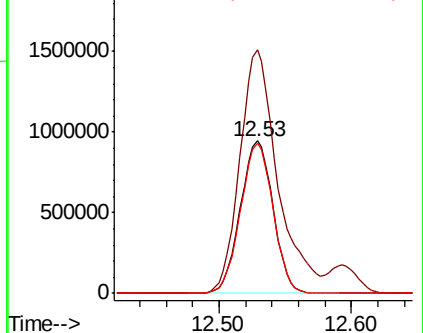
8/7/2018 9:58:23 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 148.66 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050380.D

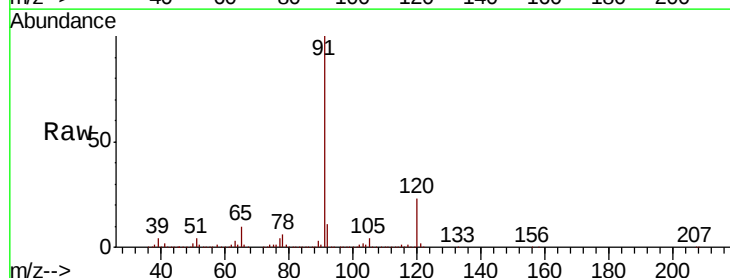
Acq: 6 Aug 2018 13:14

Tgt Ion: 91 Resp: 7200127

Ion Ratio Lower Upper

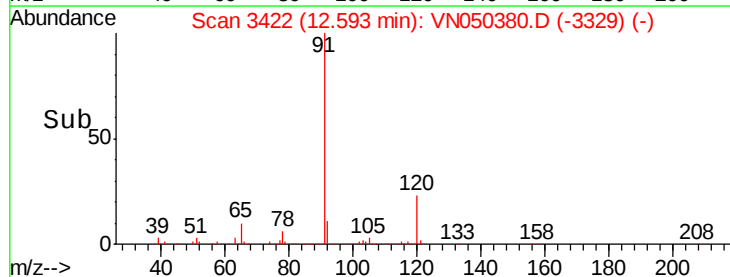
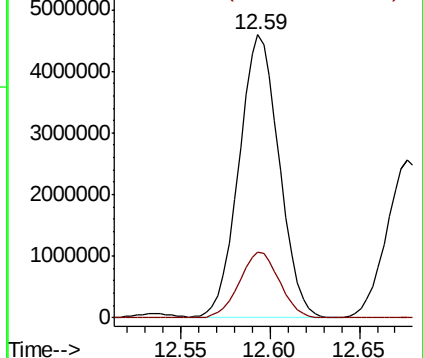
91 100

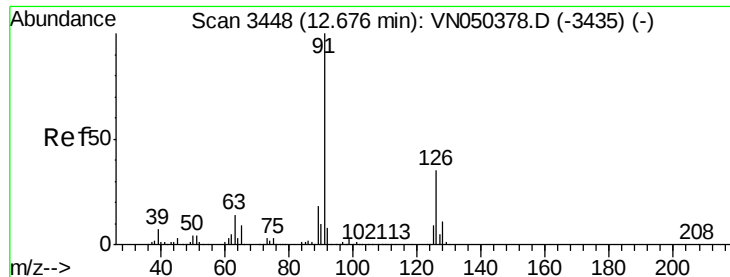
120 23.3 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 141.34 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050380.D

Acq: 6 Aug 2018 13:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 4242944

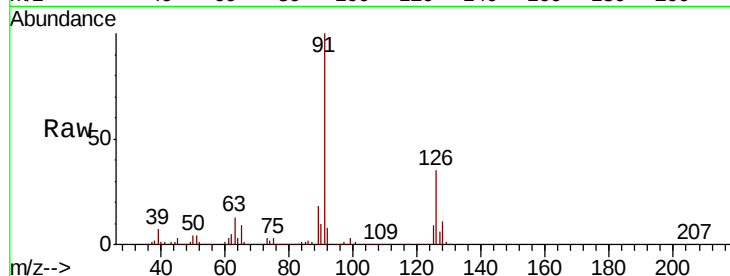
Ion Ratio Lower Upper

91 100

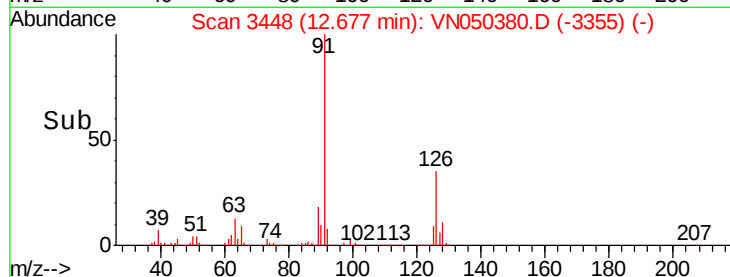
126 35.0 17.6 52.8

Manual Integrations
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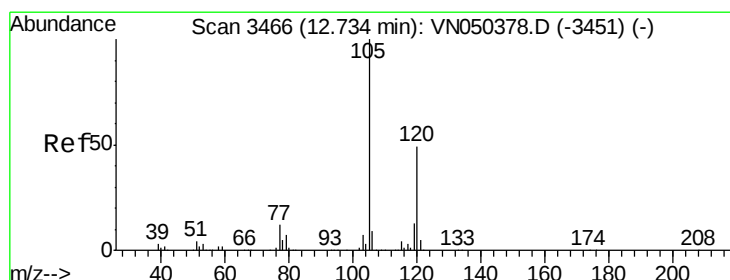
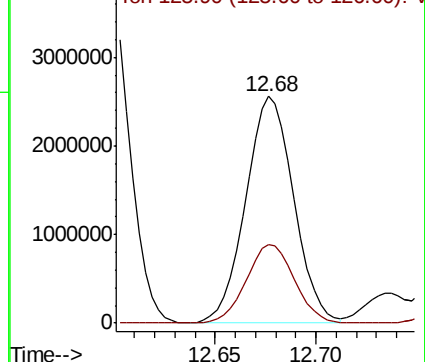
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Abundance Ion 91.00 (90.70 to 91.70): VN050380.D (-3355) (-)



Ion 125.90 (125.60 to 126.60): VN050380.D (-3355) (-)



#80

1,3,5-Trimethylbenzene

Concen: 152.03 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050380.D

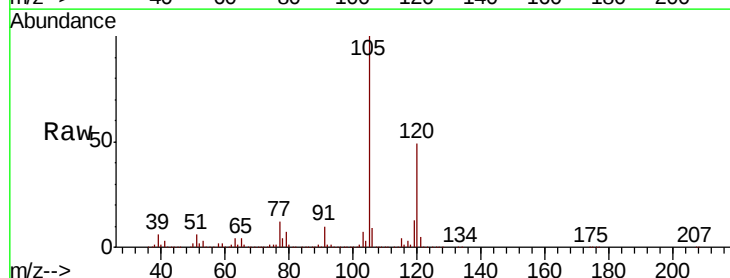
Acq: 6 Aug 2018 13:14

Tgt Ion:105 Resp: 5181817

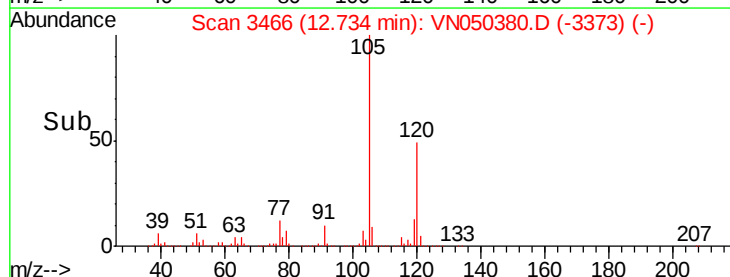
Ion Ratio Lower Upper

105 100

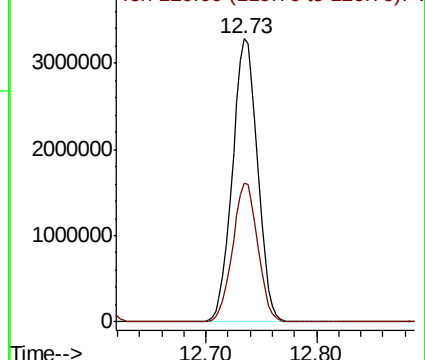
120 49.0 24.4 73.2

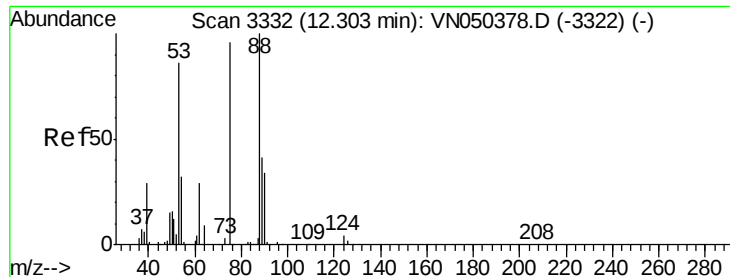


Abundance Ion 105.00 (104.70 to 105.70): VN050380.D (-3373) (-)



Ion 120.00 (119.70 to 120.70): VN050380.D (-3373) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 155.55 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN050380.D

Acq: 6 Aug 2018 13:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 509223

Ion Ratio Lower Upper

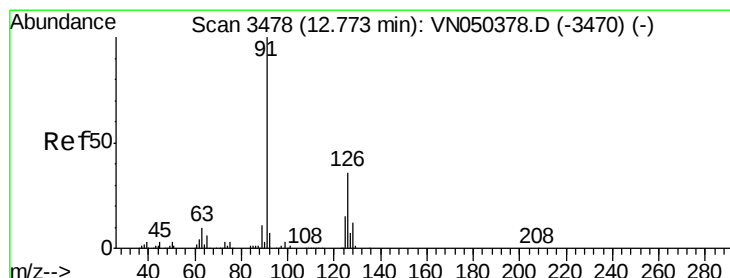
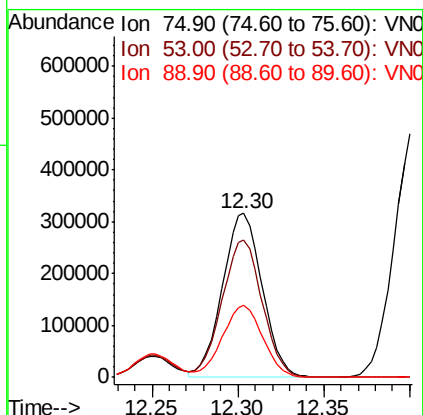
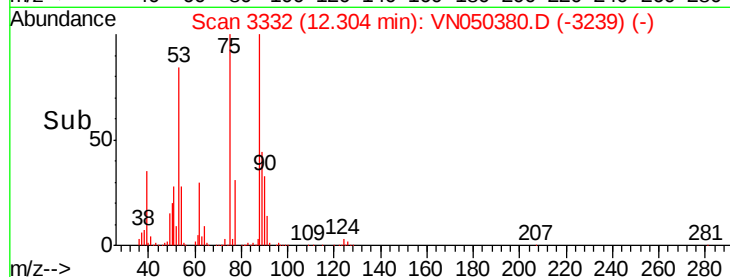
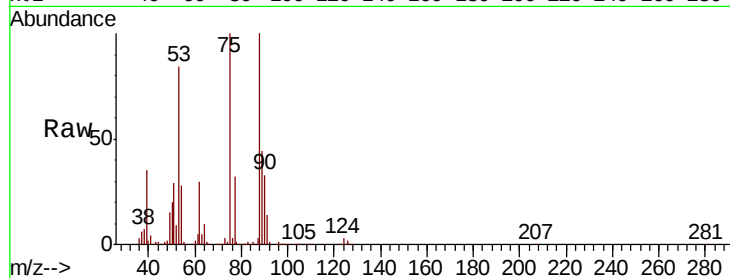
75 100

53 85.2 73.5 110.3

89 44.5 36.0 54.0

Manual Integrations
APPROVED

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#82

4-Chlorotoluene

Concen: 146.62 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. 0.00 min

Lab File: VN050380.D

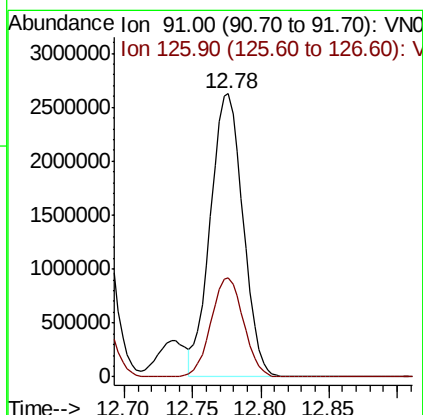
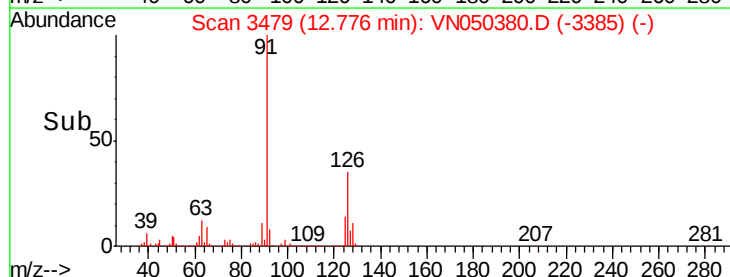
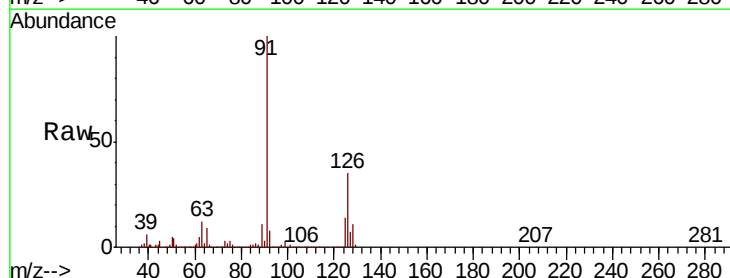
Acq: 6 Aug 2018 13:14

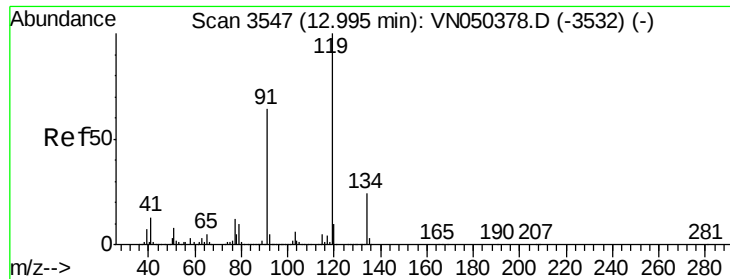
Tgt Ion: 91 Resp: 4358822

Ion Ratio Lower Upper

91 100

126 34.8 17.0 51.0





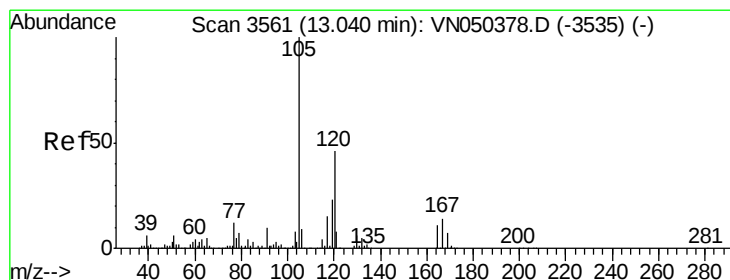
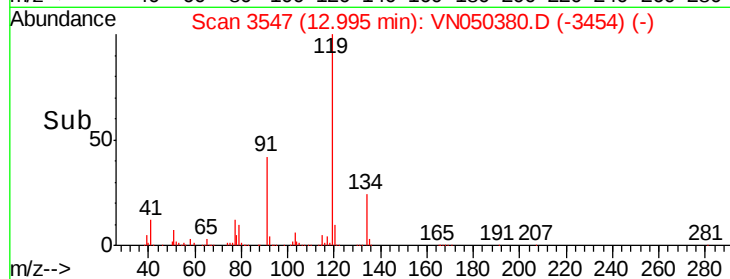
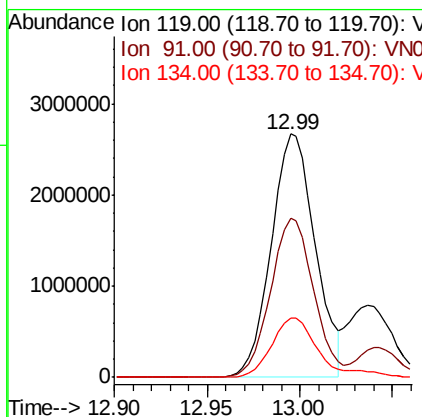
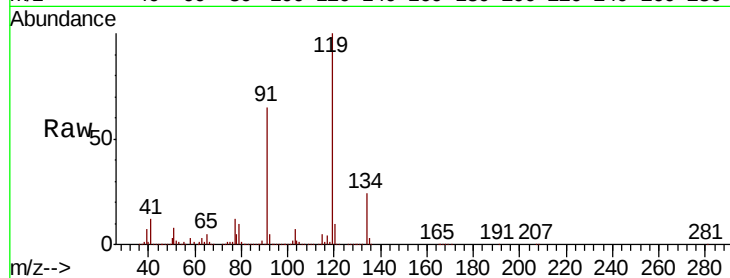
#83
 tert-Butylbenzene
 Concen: 149.08 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN050380.D
 Acq: 6 Aug 2018 13:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:119 Resp: 4434459
 Ion Ratio Lower Upper
 119 100
 91 63.8 32.1 96.3
 134 26.1 13.2 39.5

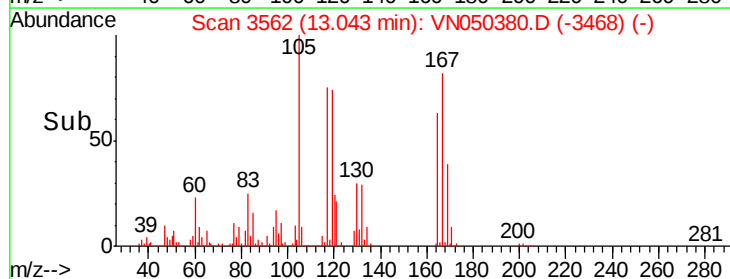
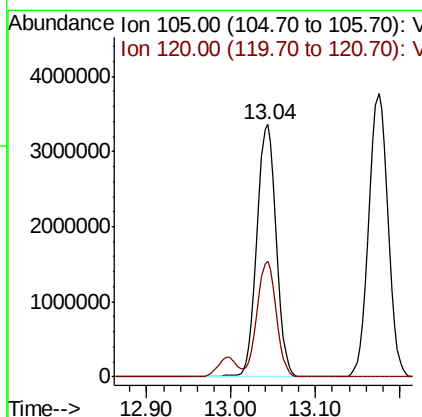
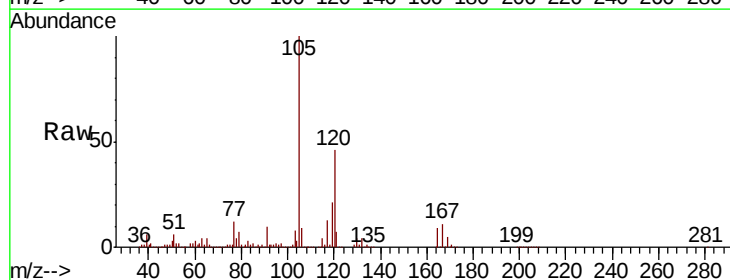
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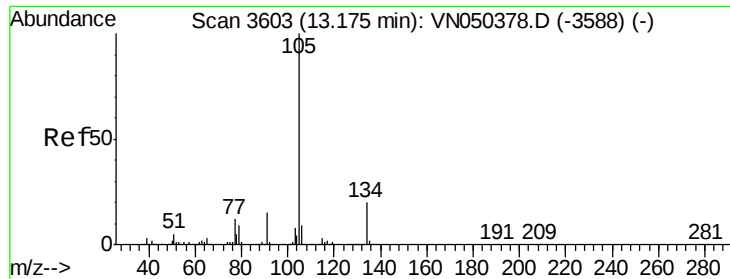
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#84
 1,2,4-Trimethylbenzene
 Concen: 155.29 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN050380.D
 Acq: 6 Aug 2018 13:14

Tgt Ion:105 Resp: 5335017
 Ion Ratio Lower Upper
 105 100
 120 45.5 22.9 68.7





#85

sec-Butylbenzene

Concen: 149.96 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050380.D

Acq: 6 Aug 2018 13:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 5959976

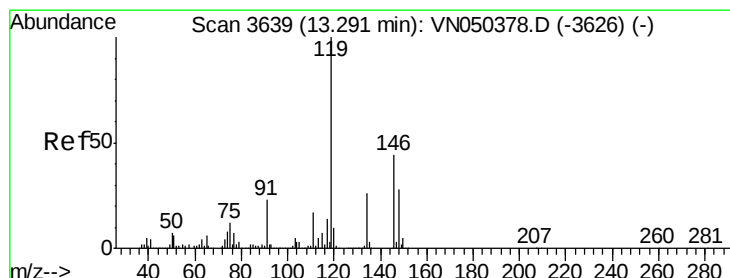
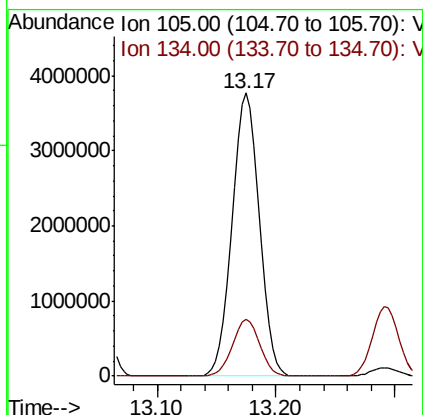
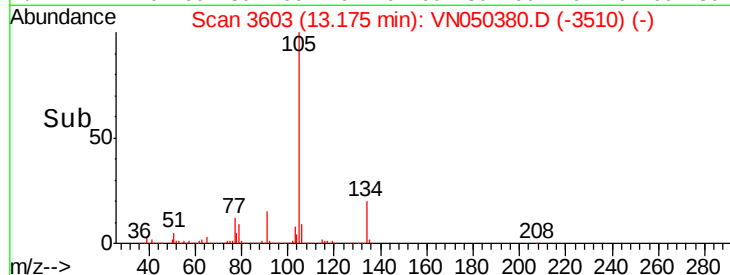
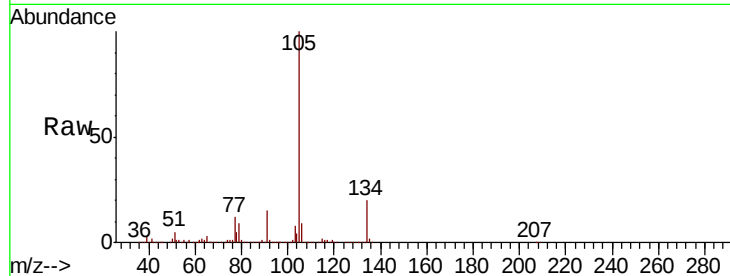
Ion Ratio Lower Upper

105 100

134 20.2 10.1 30.1

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 158.62 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050380.D

Acq: 6 Aug 2018 13:14

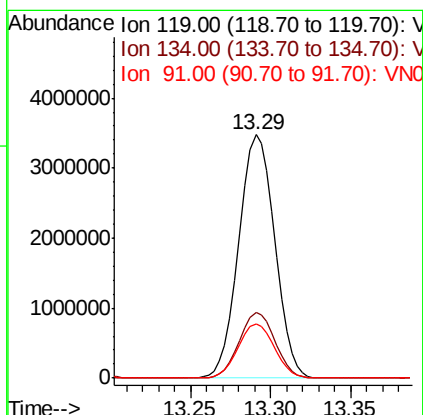
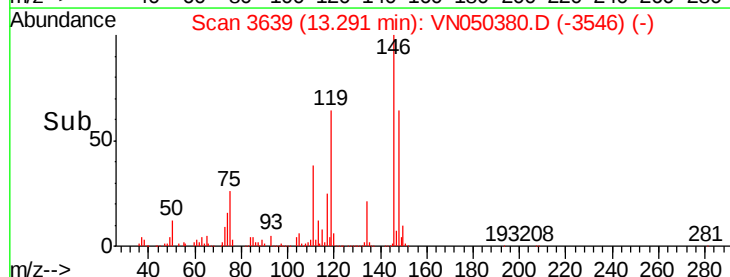
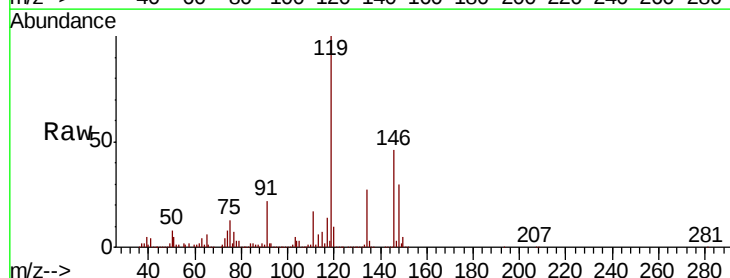
Tgt Ion:119 Resp: 5312300

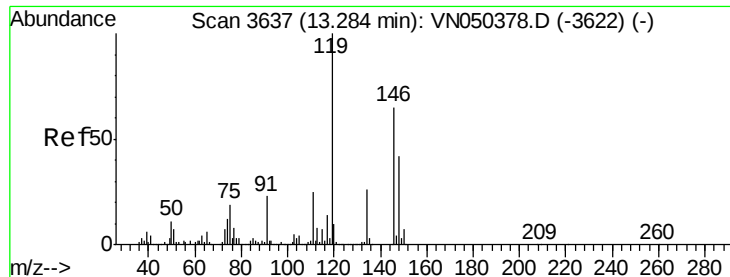
Ion Ratio Lower Upper

119 100

134 26.8 13.3 39.8

91 22.3 11.4 34.2





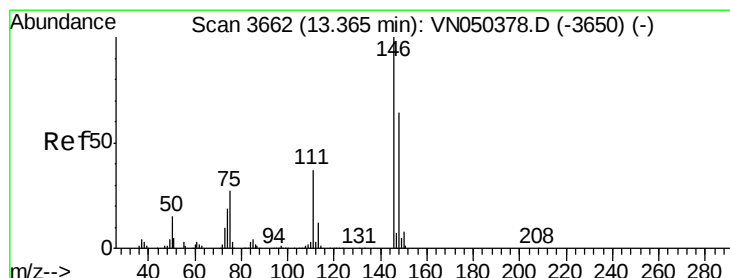
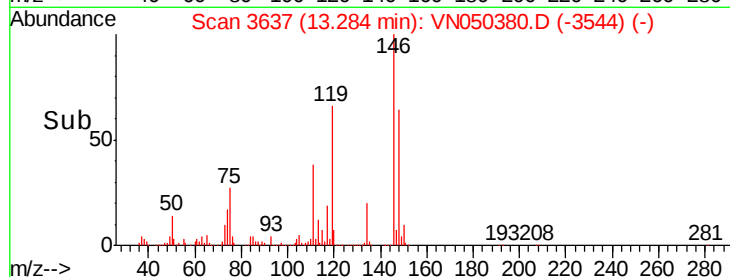
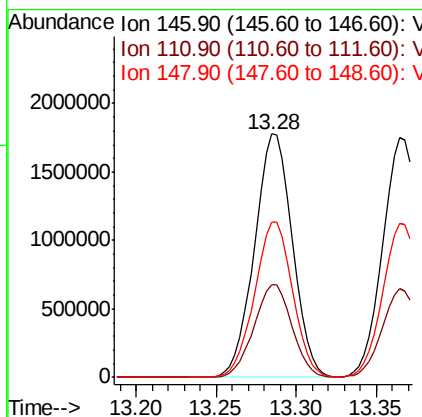
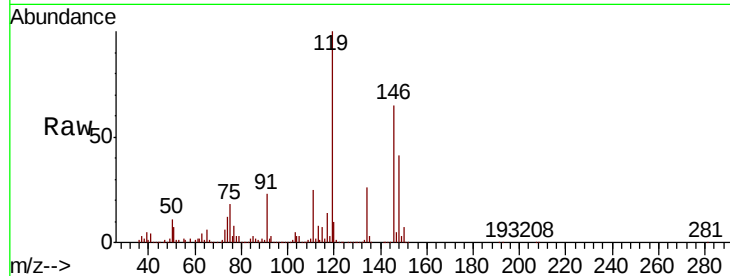
#87
 1,3-Dichlorobenzene
 Concen: 142.98 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN050380.D
 Acq: 6 Aug 2018 13:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.8	56.4
148	64.0	31.9	95.9

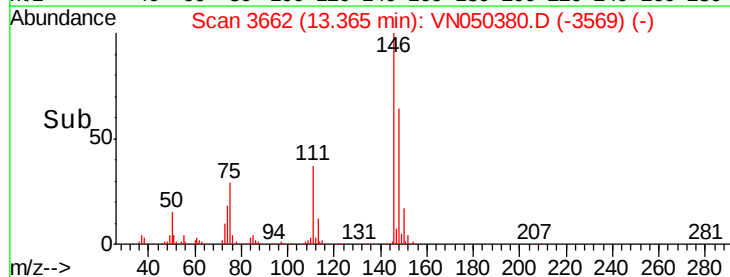
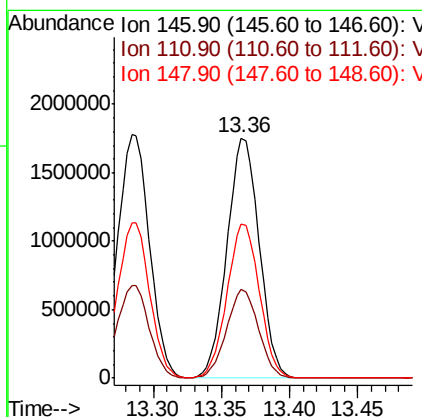
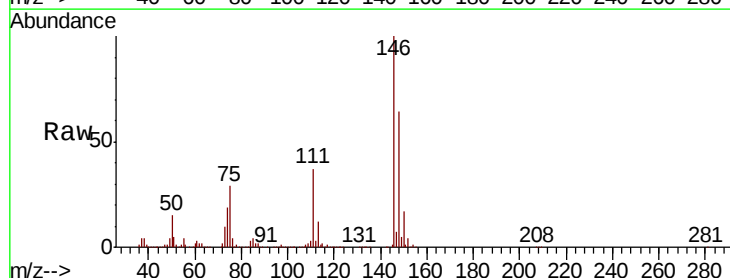
Manual Integrations
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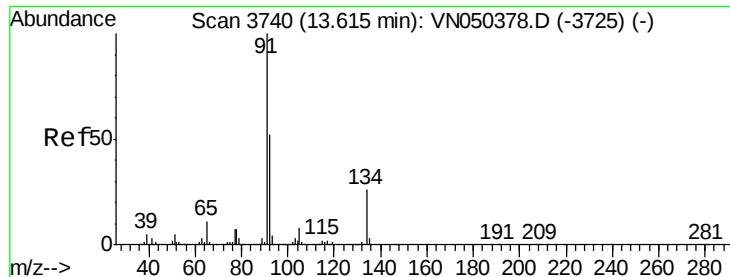
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#88
 1,4-Dichlorobenzene
 Concen: 144.95 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050380.D
 Acq: 6 Aug 2018 13:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.3	54.9
148	64.4	31.9	95.9





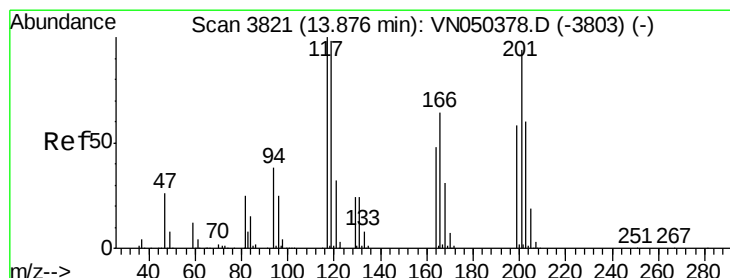
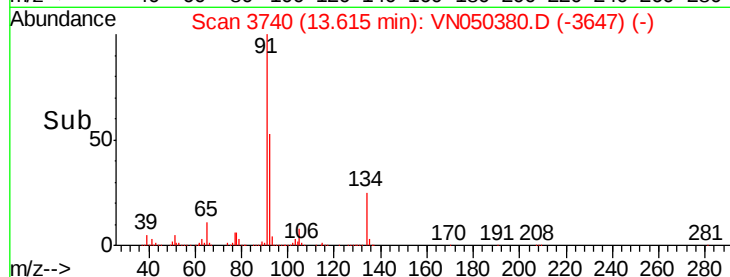
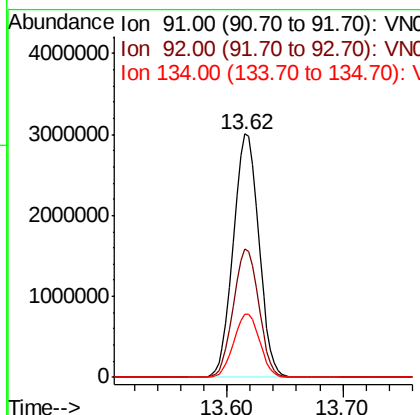
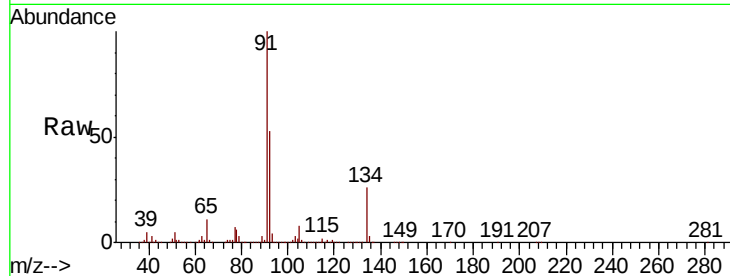
#89
n-Butylbenzene
Concen: 165.61 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN050380.D
Acq: 6 Aug 2018 13:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	25.8	77.4
134	26.3	12.8	38.4

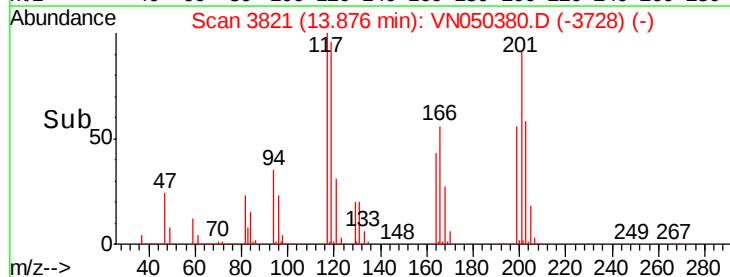
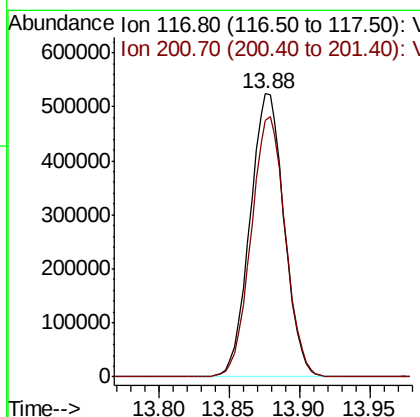
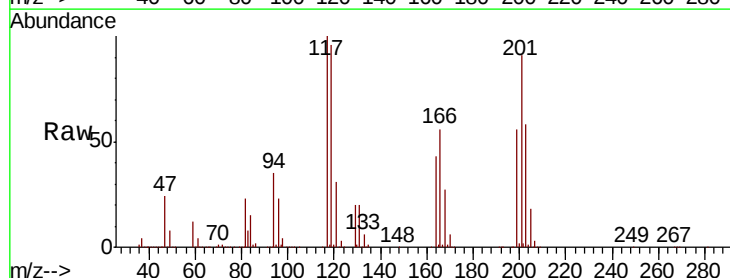
Manual Integrations
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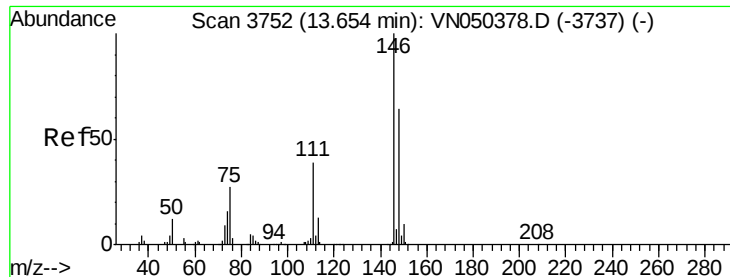
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8/7/2018 9:58:23 AM



#90
Hexachloroethane
Concen: 119.55 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050380.D
Acq: 6 Aug 2018 13:14

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.1	45.6	136.8





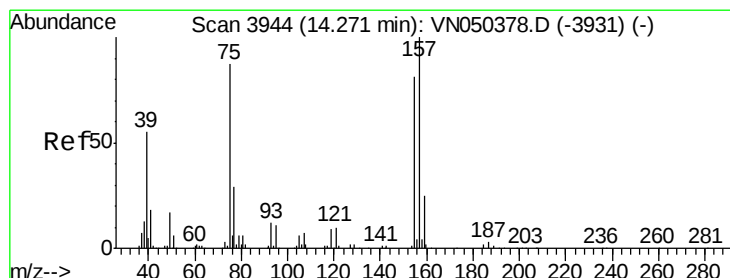
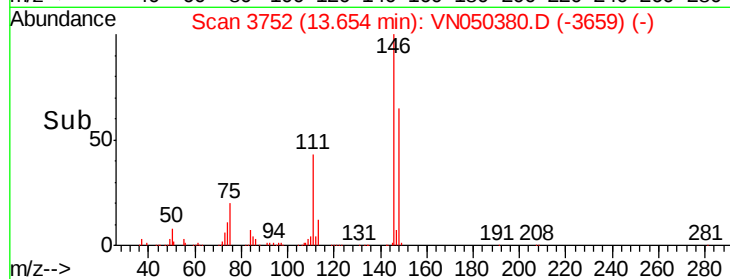
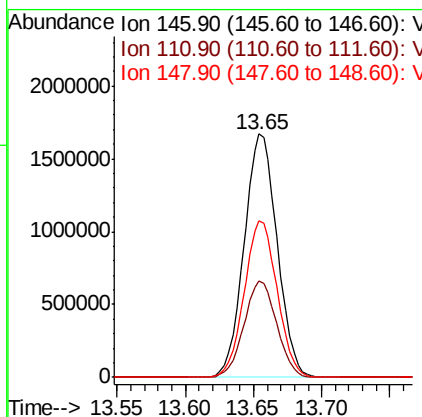
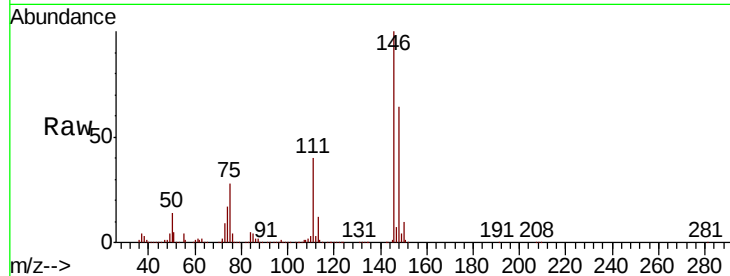
#91
 1,2-Dichlorobenzene
 Concen: 137.37 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050380.D
 Acq: 6 Aug 2018 13:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.6	58.7
148	64.3	32.1	96.3

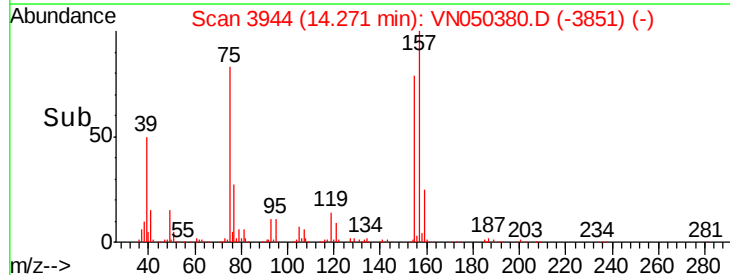
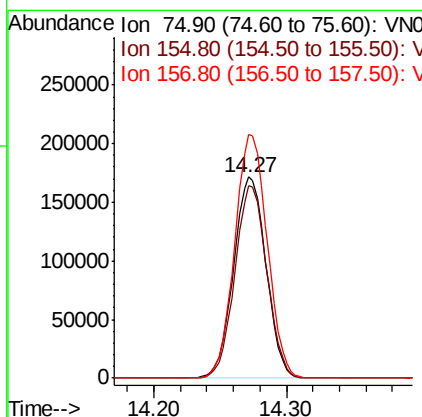
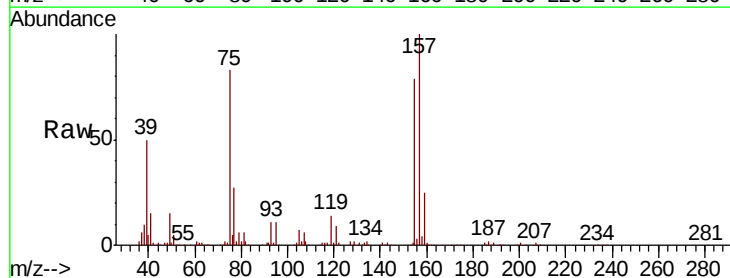
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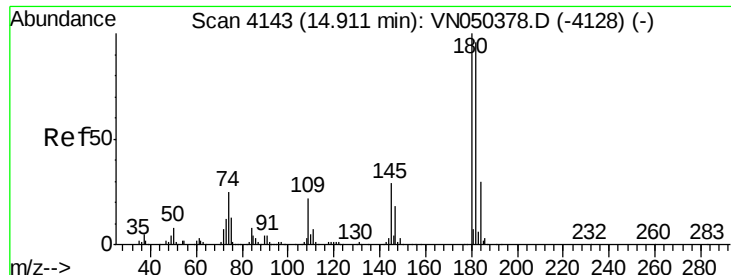
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 136.54 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050380.D
 Acq: 6 Aug 2018 13:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.3	44.8	134.4
157	121.5	57.2	171.6





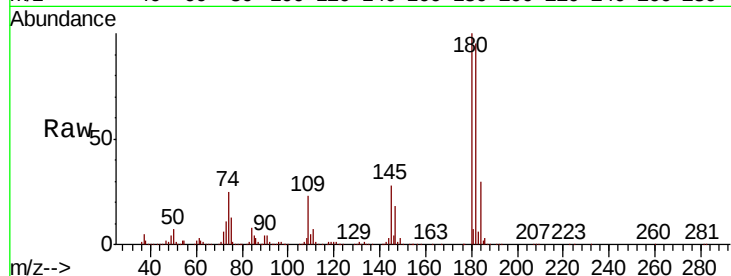
#93
 1,2,4-Trichlorobenzene
 Concen: 193.67 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050380.D
 Acq: 6 Aug 2018 13:14

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

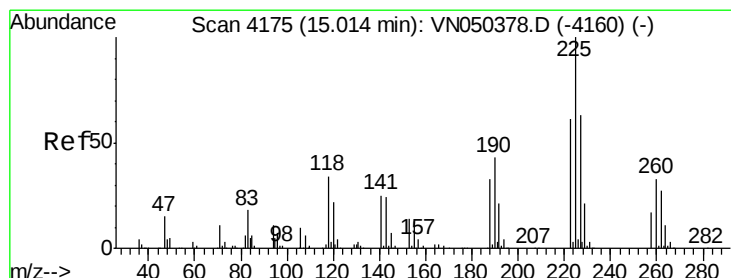
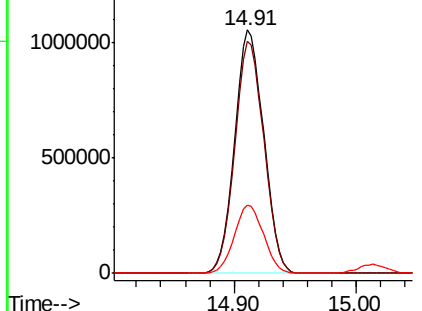
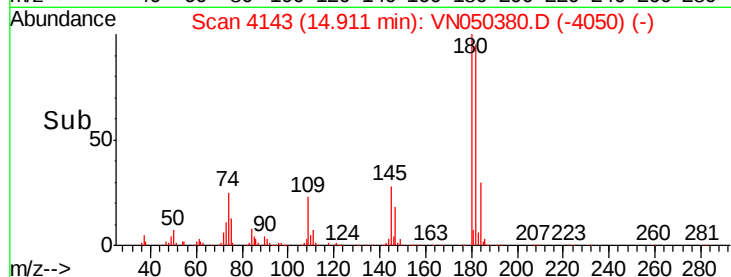
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	46.7	140.1
145	28.3	13.8	41.4

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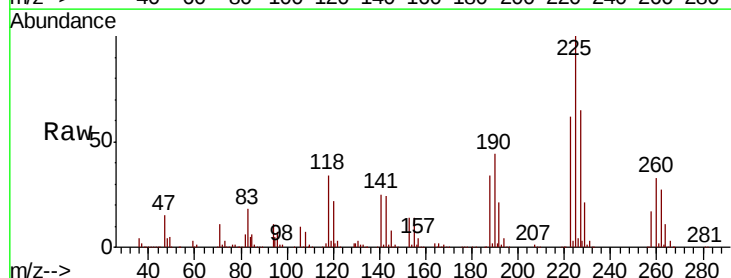


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

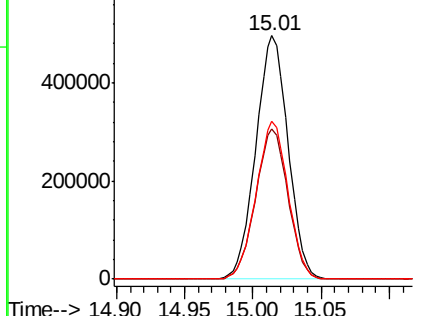
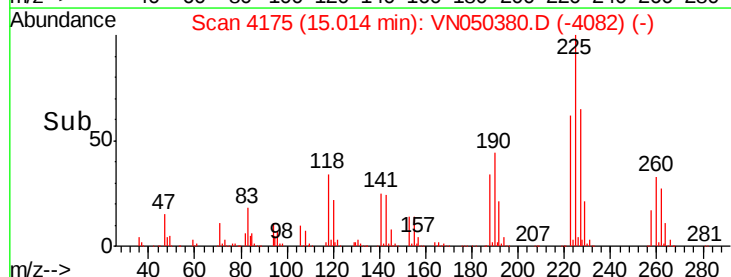


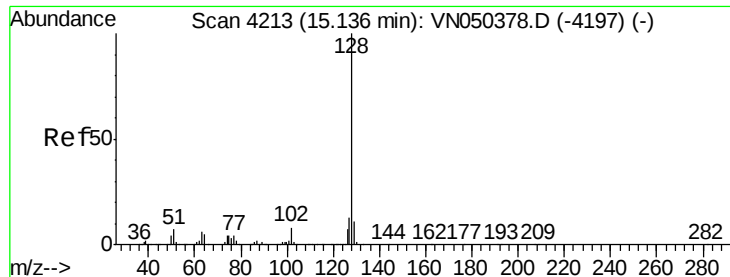
#94
 Hexachlorobutadiene
 Concen: 130.46 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN050380.D
 Acq: 6 Aug 2018 13:14

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	31.4	94.2
227	64.2	32.1	96.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





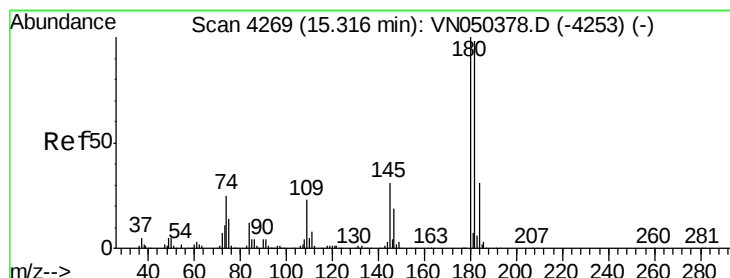
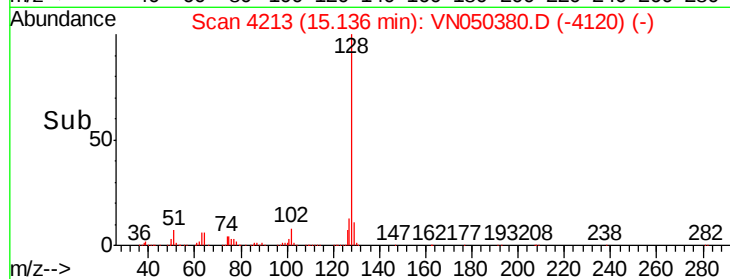
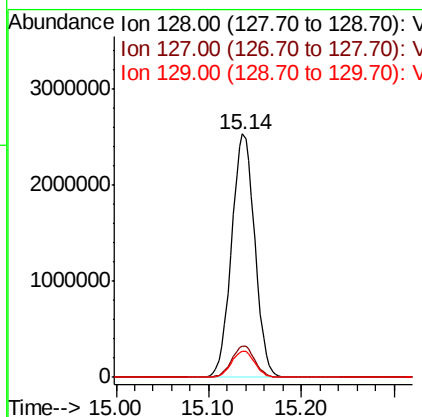
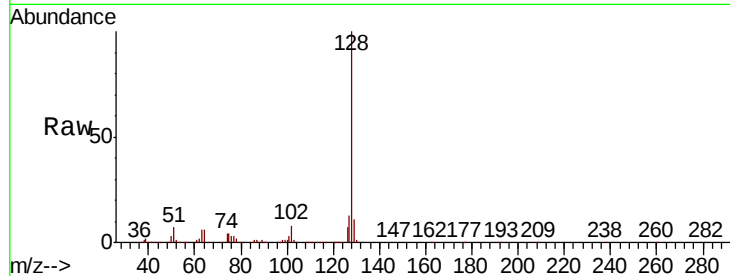
#95
Naphthalene
Concen: 215.69 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050380.D
Acq: 6 Aug 2018 13:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:128 Resp: 4377725
Ion Ratio Lower Upper
128 100
127 12.9 10.4 15.6
129 10.8 8.8 13.2

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#96
1,2,3-Trichlorobenzene
Concen: 180.82 ug/l
RT: 15.32 min Scan# 4270
Delta R.T. 0.00 min
Lab File: VN050380.D
Acq: 6 Aug 2018 13:14

Tgt Ion:180 Resp: 1644035
Ion Ratio Lower Upper
180 100
182 95.8 48.1 144.4
145 30.3 15.3 45.9

