

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080618\
 Data File : VN050402.D
 Acq On : 6 Aug 2018 23:44
 Operator : MD\SY
 Sample : VN0806WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBS02

Manual Integrations
 APPROVED

MMDadoda
 8/7/2018 9:59:11 AM

Quant Time: Aug 07 07:34:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 05:22:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	610369	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	923889	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	837089	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	434226	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	423206	51.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.78%	
35) Dibromofluoromethane	7.59	113	377824	50.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.94%	
50) Toluene-d8	10.09	98	1402923	50.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.66%	
62) 4-Bromofluorobenzene	12.40	95	453681	47.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	134918	19.91	ug/l	99
3) Chloromethane	2.06	50	170632	20.45	ug/l	98
4) Vinyl Chloride	2.18	62	182682	20.83	ug/l	99
5) Bromomethane	2.56	94	94060	22.22	ug/l	95
6) Chloroethane	2.70	64	110553	20.46	ug/l	100
7) Trichlorofluoromethane	3.01	101	235003	20.75	ug/l	100
8) Diethyl Ether	3.41	74	84130	20.25	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	138673	19.81	ug/l	99
10) Methyl Iodide	3.95	142	73929	23.97	ug/l	100
11) Tert butyl alcohol	4.80	59	66780	101.94	ug/l	99
12) 1,1-Dichloroethene	3.73	96	131061	19.86	ug/l	99
13) Acrolein	3.61	56	80286	103.56	ug/l	96
14) Allyl chloride	4.32	41	199426	18.82	ug/l	99
15) Acrylonitrile	5.00	53	285784	104.14	ug/l	99
16) Acetone	3.82	43	267252	109.69	ug/l	97
17) Carbon Disulfide	4.05	76	399113	18.60	ug/l	100
18) Methyl Acetate	4.33	43	139598	21.98	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	381156	20.35	ug/l	98
20) Methylene Chloride	4.55	84	158576	20.40	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	142787	20.00	ug/l	96
22) Diisopropyl ether	5.96	45	454748	21.01	ug/l	96
23) Vinyl Acetate	5.90	43	1607501	104.08	ug/l	100
24) 1,1-Dichloroethane	5.85	63	274042	20.63	ug/l	98
25) 2-Butanone	6.84	43	421790	104.38	ug/l	100
26) 2,2-Dichloropropane	6.83	77	172519	15.75	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	159919	20.21	ug/l	99
28) Bromochloromethane	7.20	49	123456	20.19	ug/l	100
29) Tetrahydrofuran	7.22	42	220484	101.93	ug/l	99
30) Chloroform	7.37	83	280887	21.15	ug/l	99
31) Cyclohexane	7.66	56	226201	18.96	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	237476	20.82	ug/l	100
36) 1,1-Dichloropropene	7.80	75	202758	19.97	ug/l	99
37) Ethyl Acetate	6.94	43	151848	20.77	ug/l	99
38) Carbon Tetrachloride	7.78	117	205213	19.38	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	199150	17.97	ug/l	100
40) Benzene	8.04	78	630567	20.20	ug/l	99
41) Methacrylonitrile	7.18	41	73049	18.79	ug/l #	82
42) 1,2-Dichloroethane	8.13	62	201796	20.37	ug/l	99
43) Isopropyl Acetate	8.17	43	273080	21.64	ug/l	98
44) Trichloroethene	8.84	130	163092	19.45	ug/l	99
45) 1,2-Dichloropropane	9.12	63	165829	20.21	ug/l	98
46) Dibromomethane	9.21	93	103839	20.49	ug/l	99
47) Bromodichloromethane	9.41	83	210131	20.02	ug/l	98
48) Methyl methacrylate	9.20	41	124583	19.70	ug/l	99
49) 1,4-Dioxane	9.20	88	38376	393.62	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	952917	104.85	ug/l	100
52) Toluene	10.16	92	389733	20.79	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	197240	18.72	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	230651	19.61	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	150264	20.53	ug/l	98
56) Ethyl methacrylate	10.43	69	185284	18.99	ug/l	98
57) 1,3-Dichloropropane	10.71	76	243260	20.25	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	439337	95.71	ug/l	100
59) 2-Hexanone	10.76	43	651203	102.67	ug/l	99
60) Dibromochloromethane	10.90	129	164395	20.39	ug/l	100
61) 1,2-Dibromoethane	11.01	107	144895	20.09	ug/l	97
64) Tetrachloroethene	10.63	164	158851	20.31	ug/l	98
65) Chlorobenzene	11.44	112	408551	19.47	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	156149	20.44	ug/l	99
67) Ethyl Benzene	11.51	91	677832	19.98	ug/l	100
68) m/p-Xylenes	11.62	106	533460	41.31	ug/l	99
69) o-Xylene	11.95	106	246793	19.84	ug/l	99
70) Styrene	11.97	104	410760	20.30	ug/l	100
71) Bromoform	12.13	173	115105	20.62	ug/l #	100
73) Isopropylbenzene	12.25	105	657794	20.18	ug/l	100
74) N-amyl acetate	12.07	43	212291	20.09	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	195609	20.80	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	166014m	21.12	ug/l	
77) Bromobenzene	12.53	156	177835	20.37	ug/l	99
78) n-propylbenzene	12.59	91	756727	20.51	ug/l	99
79) 2-Chlorotoluene	12.68	91	462291	20.29	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	549687	20.77	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	45324	20.26	ug/l	98
82) 4-Chlorotoluene	12.78	91	465477	20.48	ug/l	99
83) tert-Butylbenzene	13.00	119	458236	19.85	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	558536	20.84	ug/l	100
85) sec-Butylbenzene	13.17	105	622919	20.25	ug/l	100
86) p-Isopropyltoluene	13.29	119	528889	20.06	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	305257	19.63	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	299224	19.27	ug/l	99
89) n-Butylbenzene	13.62	91	408076	18.18	ug/l	99
90) Hexachloroethane	13.88	117	93257	19.89	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	305267	19.58	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	29767	18.64	ug/l	97

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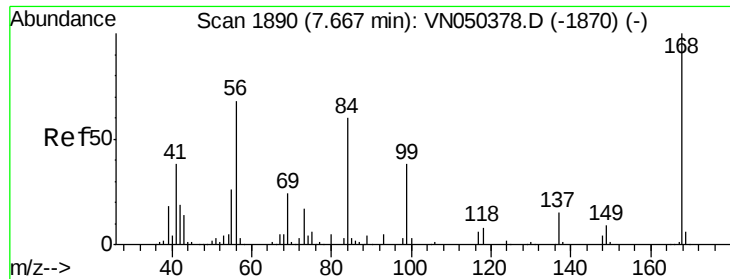
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	146469	18.44	ug/l	98
94) Hexachlorobutadiene	15.01	225	88014	19.28	ug/l	99
95) Naphthalene	15.14	128	333589	18.34	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	146646	18.27	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050402.D

Acq: 6 Aug 2018 23:44

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBS02

Tot Ion:168 Resp: 610369

Ion Ratio Lower Upper

168 100

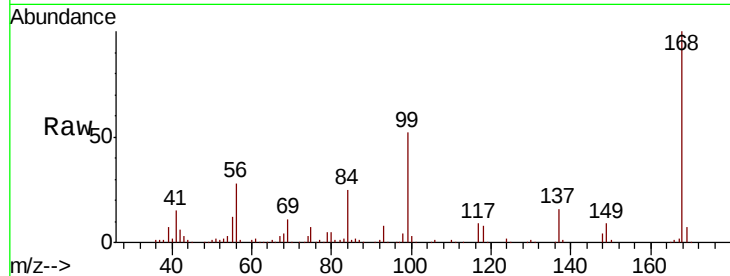
99 51.3 40.0 60.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VN050378.D (-1870) (-)

Ion 98.90 (98.60 to 99.60): VN050378.D (-1870) (-)

7.67

250000

200000

150000

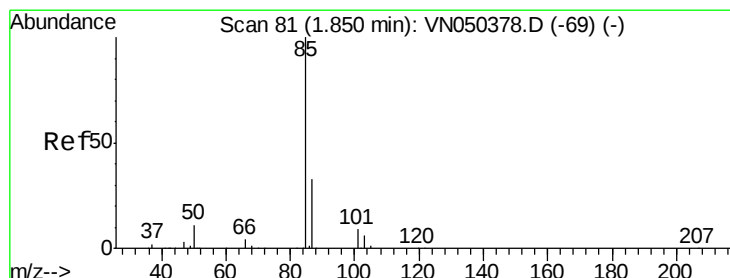
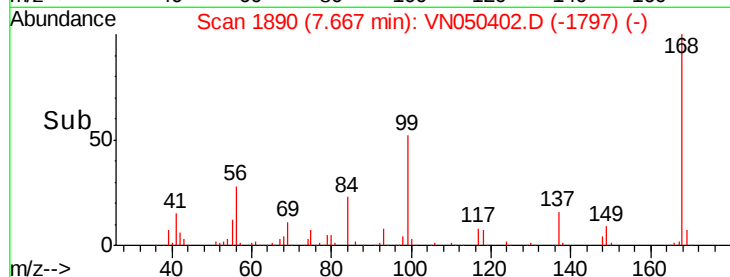
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.91 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050402.D

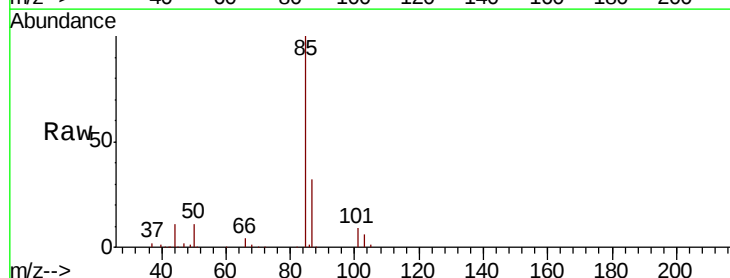
Acq: 6 Aug 2018 23:44

Tgt Ion: 85 Resp: 134918

Ion Ratio Lower Upper

85 100

87 31.7 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN050378.D (-69) (-)

Ion 86.90 (86.60 to 87.60): VN050378.D (-69) (-)

1.85

100000

80000

60000

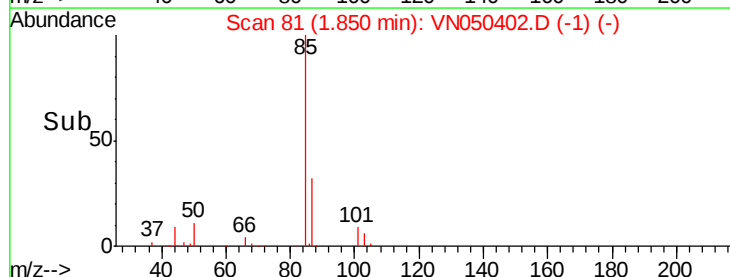
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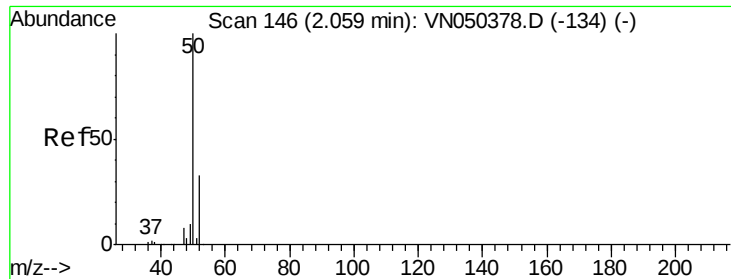
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 20.45 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050402.D

Acq: 6 Aug 2018 23:44

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBS02

Tot Ion: 50 Resp: 170632

Ion Ratio Lower Upper

50 100

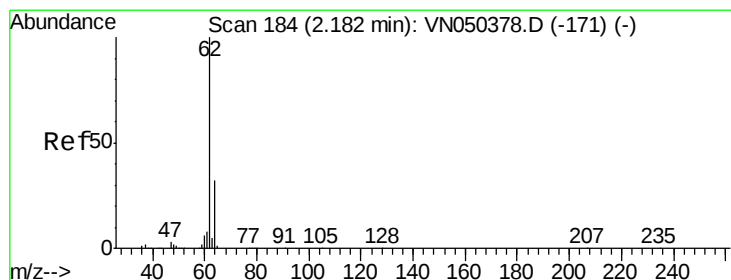
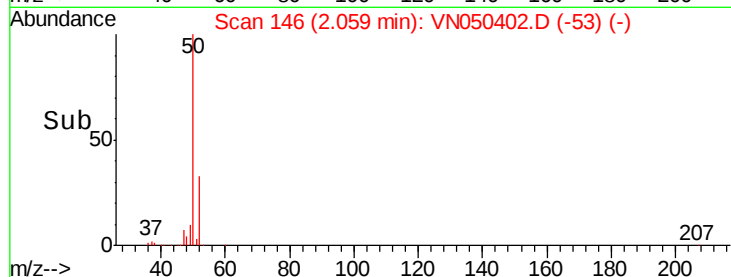
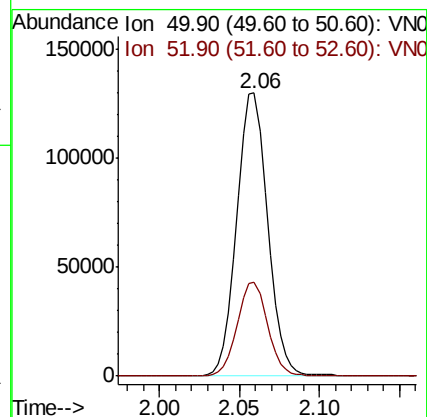
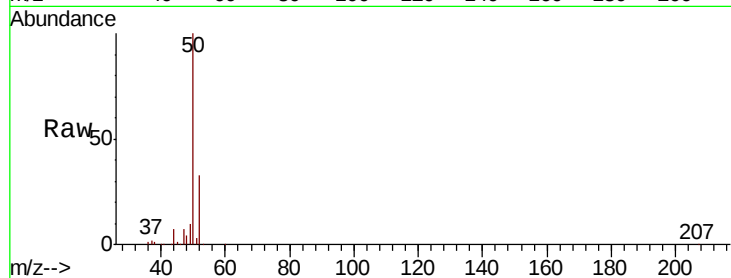
52 33.4 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.83 ug/l

RT: 2.18 min Scan# 183

Delta R.T. -0.00 min

Lab File: VN050402.D

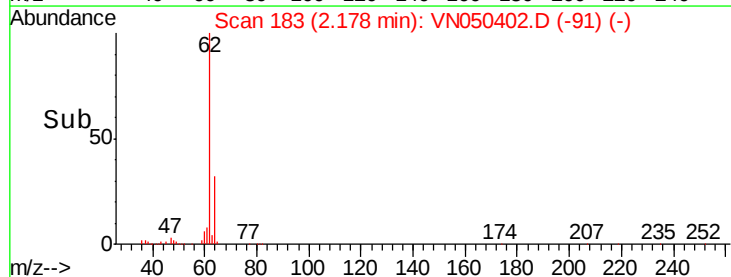
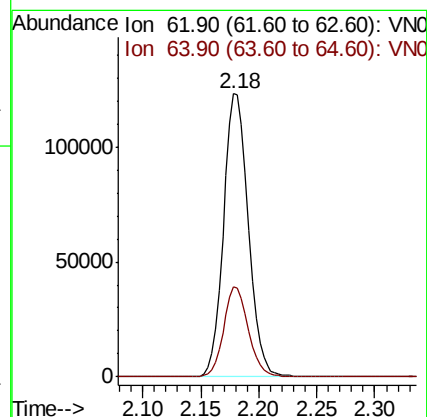
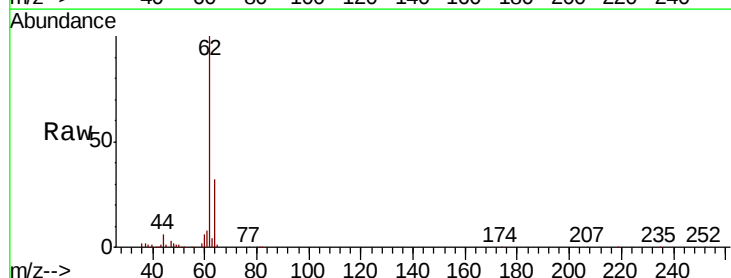
Acq: 6 Aug 2018 23:44

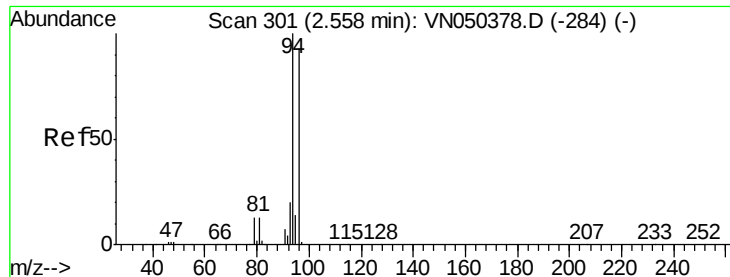
Tgt Ion: 62 Resp: 182682

Ion Ratio Lower Upper

62 100

64 31.6 24.7 37.1





#5

Bromomethane

Concen: 22.22 ug/l

RT: 2.56 min Scan# 302

Delta R.T. 0.00 min

Lab File: VN050402.D

Acq: 6 Aug 2018 23:44

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBS02

Tot Ion: 94 Resp: 94060

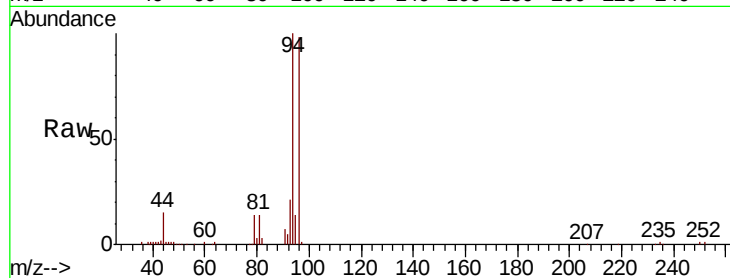
Ion Ratio Lower Upper

94 100

96 98.1 74.6 112.0

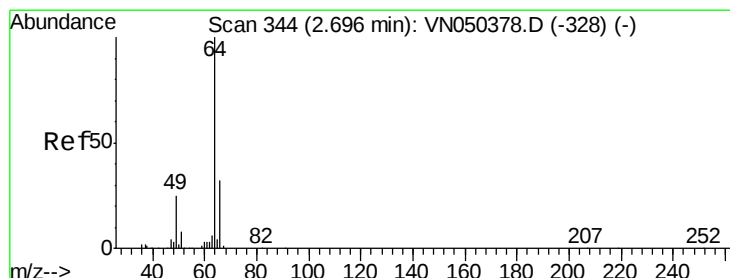
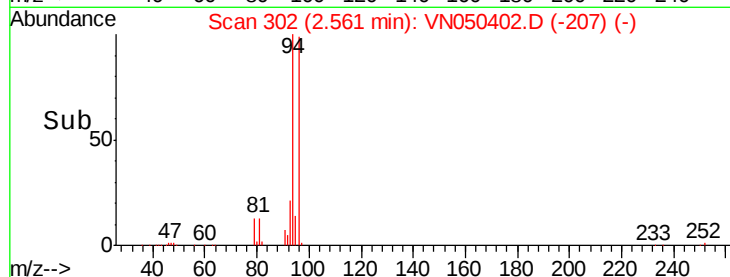
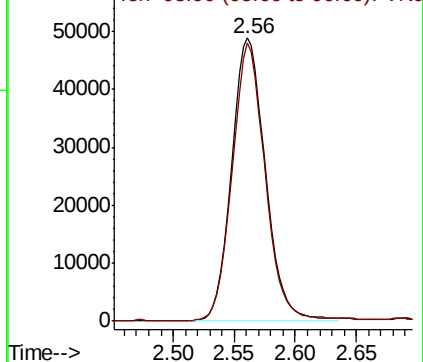
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Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC



#6

Chloroethane

Concen: 20.46 ug/l

RT: 2.70 min Scan# 344

Delta R.T. -0.00 min

Lab File: VN050402.D

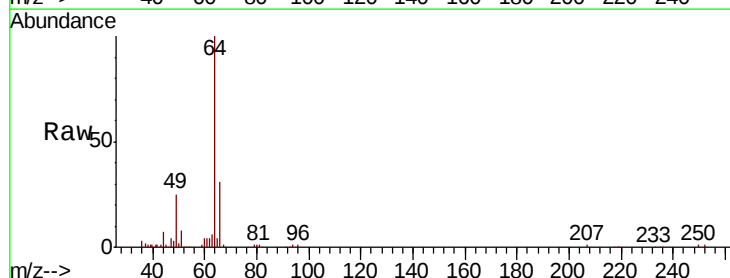
Acq: 6 Aug 2018 23:44

Tgt Ion: 64 Resp: 110553

Ion Ratio Lower Upper

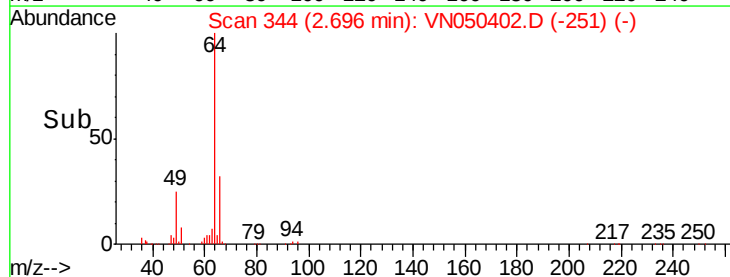
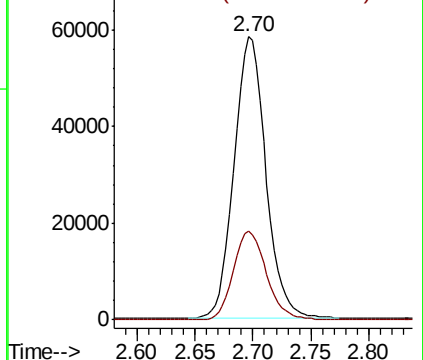
64 100

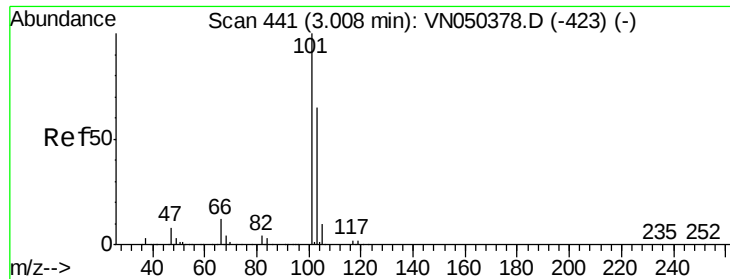
66 31.4 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VNC

Ion 65.90 (65.60 to 66.60): VNC





#7

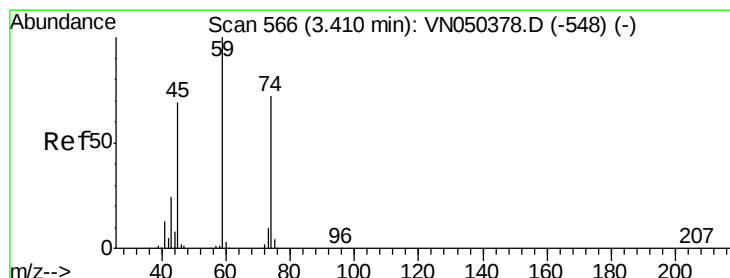
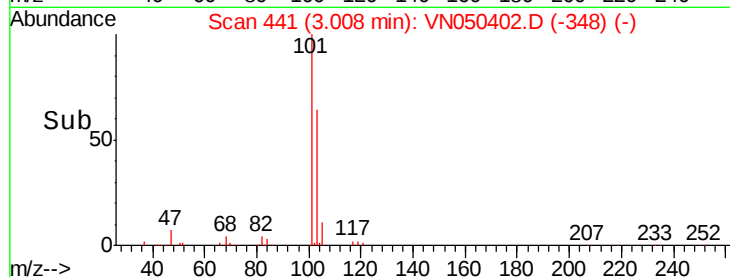
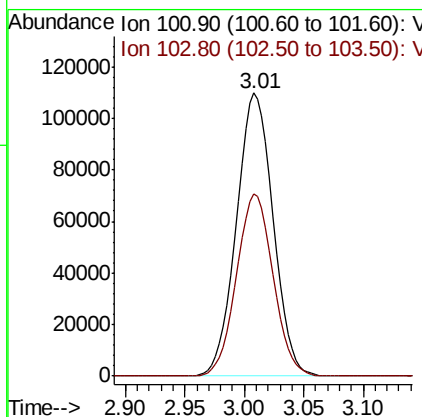
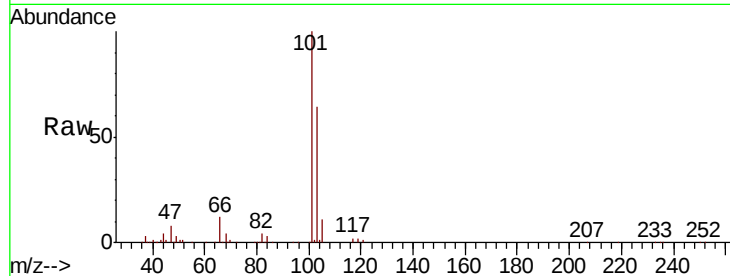
Trichlorofluoromethane
 Concen: 20.75 ug/l
 RT: 3.01 min Scan# 441
 Delta R.T. -0.00 min
 Lab File: VN050402.D
 Acq: 6 Aug 2018 23:44

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Tot Ion	Ion	Ratio	Lower	Upper
101	100			
103	64.3	51.7	77.5	

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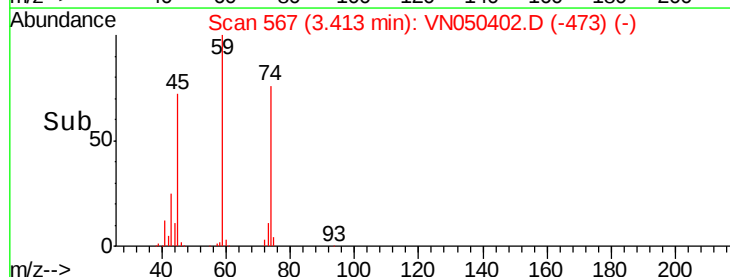
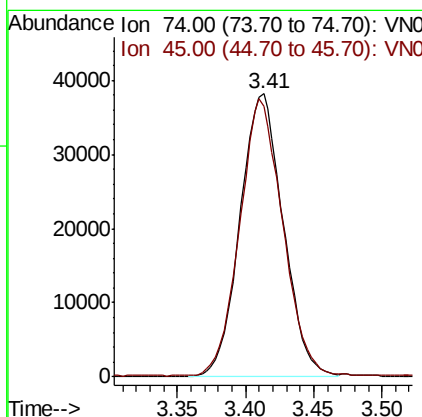
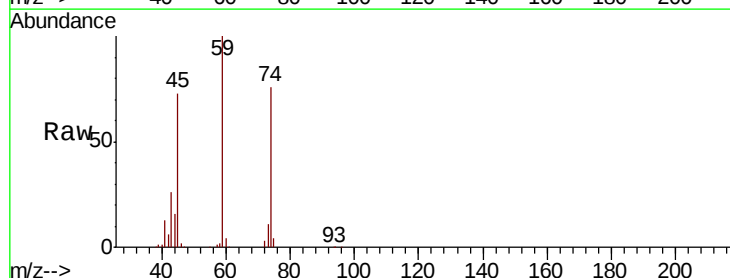
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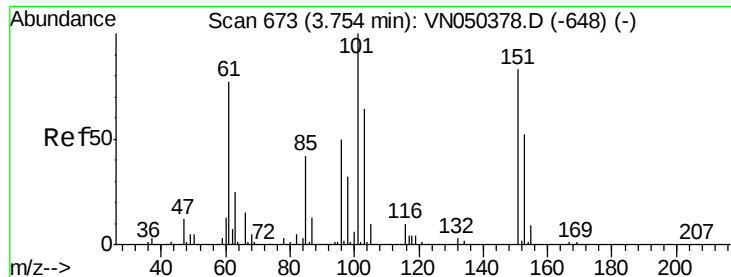


#8

Diethyl Ether
 Concen: 20.25 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN050402.D
 Acq: 6 Aug 2018 23:44

Tgt Ion	Ion	Ratio	Lower	Upper
74	100			
45	97.3	47.6	142.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.81 ug/l

RT: 3.75 min Scan# 673

Delta R.T. -0.00 min

Lab File: VN050402.D

Acq: 6 Aug 2018 23:44

Instrument :

MSVOA_N

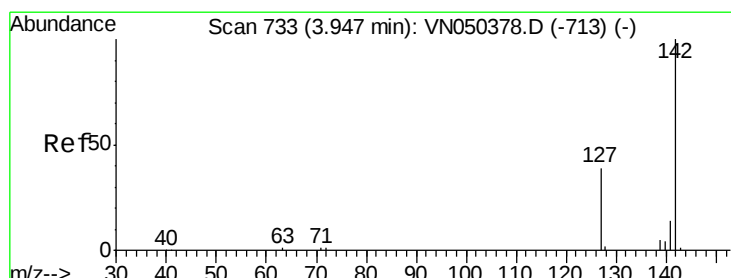
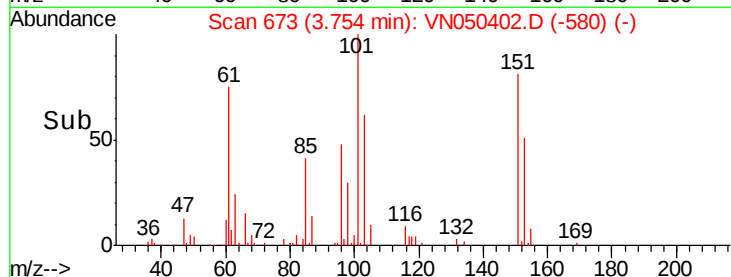
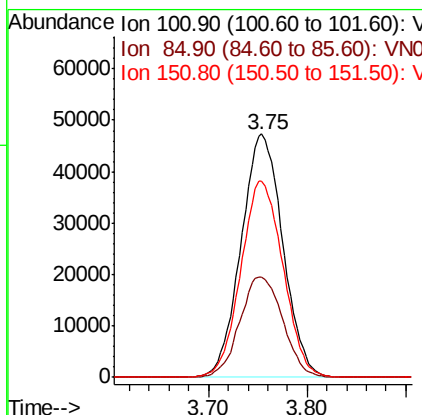
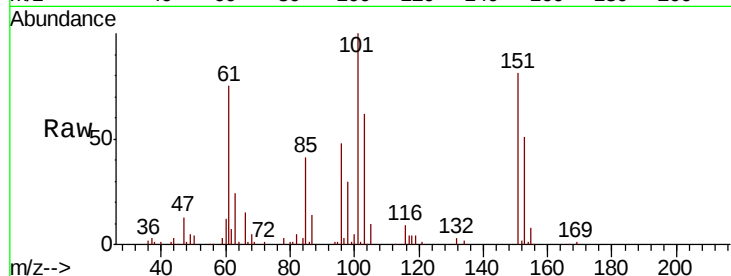
ClientSampleId :

VN0806WBS02

Tot Ion:	101	Resp:	138673
Ion Ratio	Lower	Upper	
101	100		
85	42.3	34.2	51.2
151	81.4	66.3	99.5

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#10

Methyl Iodide

Concen: 23.97 ug/l

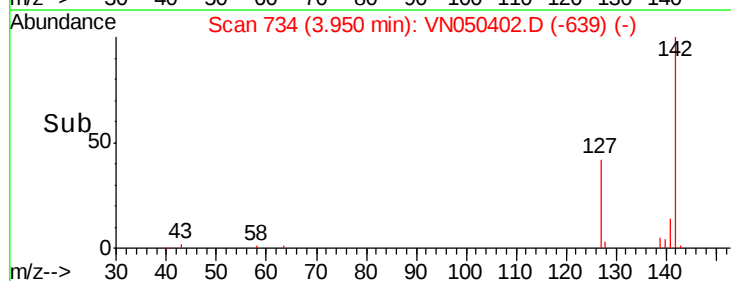
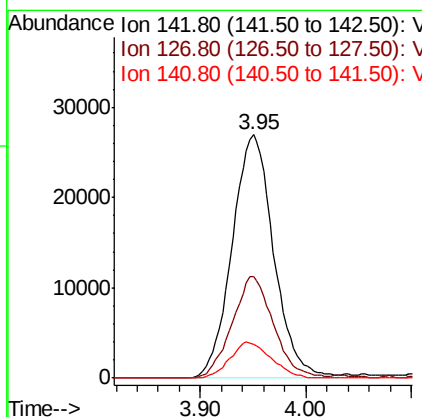
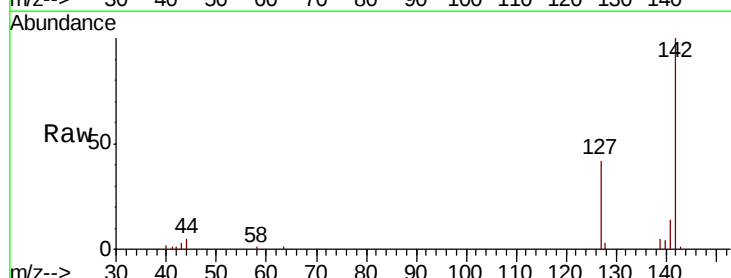
RT: 3.95 min Scan# 734

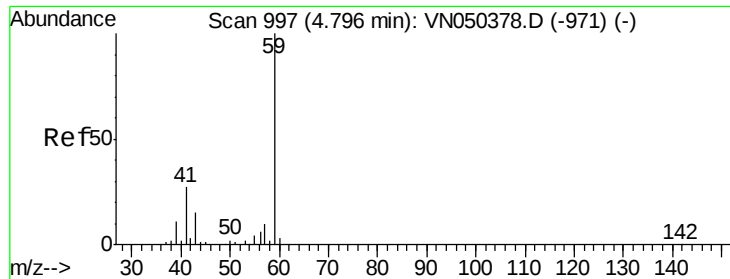
Delta R.T. 0.00 min

Lab File: VN050402.D

Acq: 6 Aug 2018 23:44

Tgt Ion:	142	Resp:	73929
Ion Ratio	Lower	Upper	
142	100		
127	41.5	33.4	50.2
141	14.5	11.6	17.4





#11

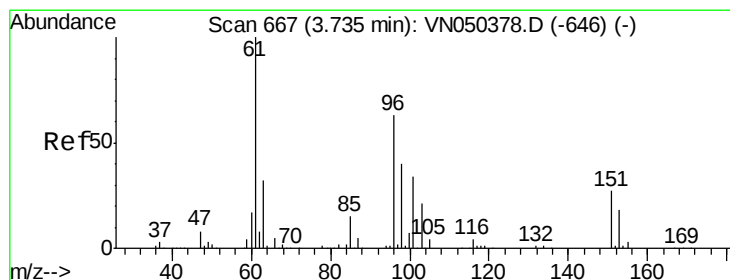
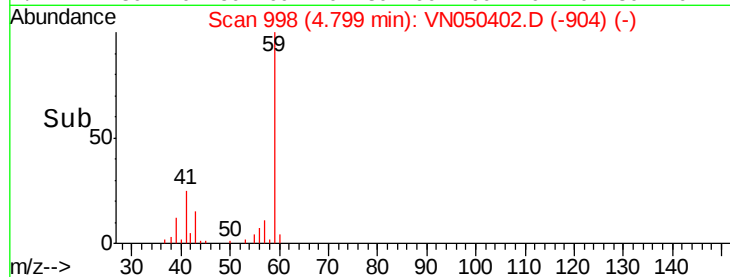
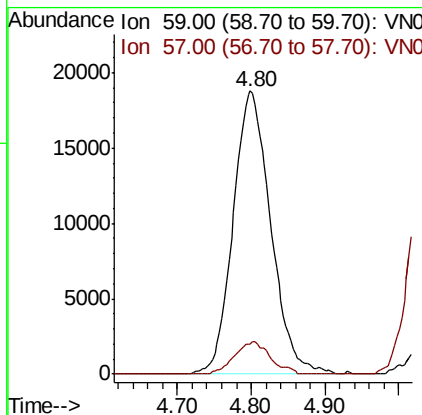
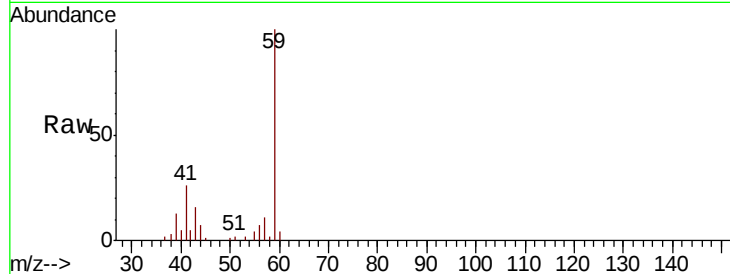
Tert butyl alcohol
Concen: 101.94 ug/l
RT: 4.80 min Scan# 998
Delta R.T. 0.00 min
Lab File: VN050402.D
Acq: 6 Aug 2018 23:44

Instrument :
MSVOA_N
ClientSampled :
VN0806WBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.5	12.7

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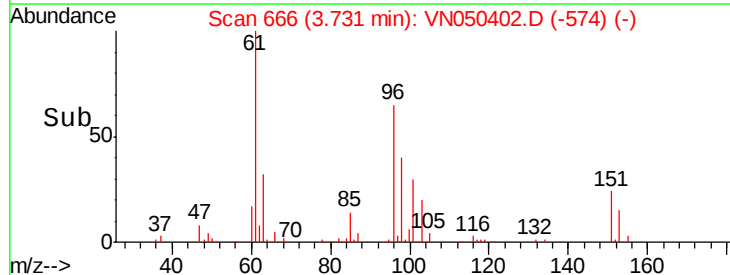
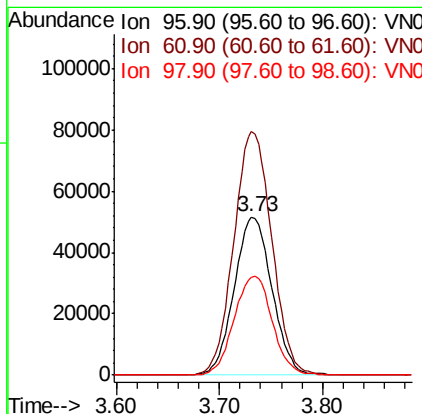
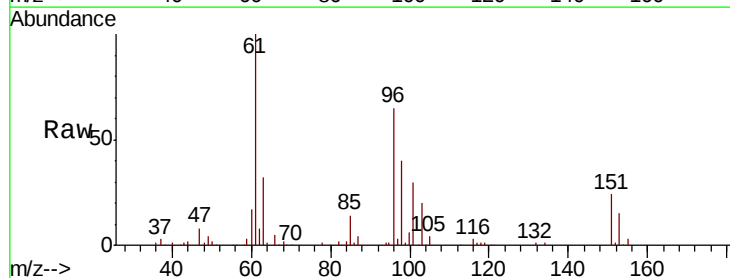
MMDadoda
8/7/2018 9:59:11 AM

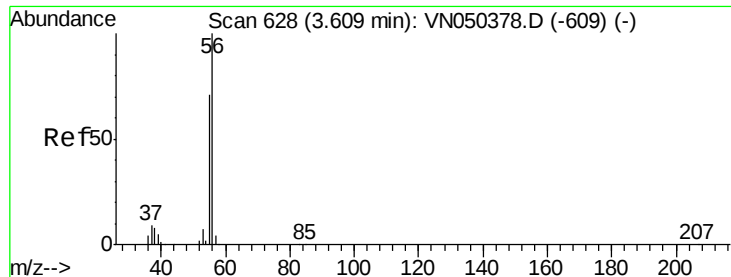


#12

1,1-Dichloroethene
Concen: 19.86 ug/l
RT: 3.73 min Scan# 666
Delta R.T. -0.00 min
Lab File: VN050402.D
Acq: 6 Aug 2018 23:44

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.1	124.4	186.6
98	62.1	48.3	72.5





#13

Acrolein

Concen: 103.56 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050402.D

Acq: 6 Aug 2018 23:44

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBS02

Tot Ion: 56 Resp: 80286

Ion Ratio Lower Upper

56 100

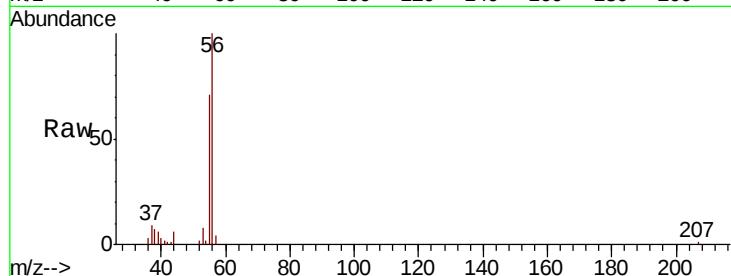
55 72.9 55.8 83.6

Manual Integrations

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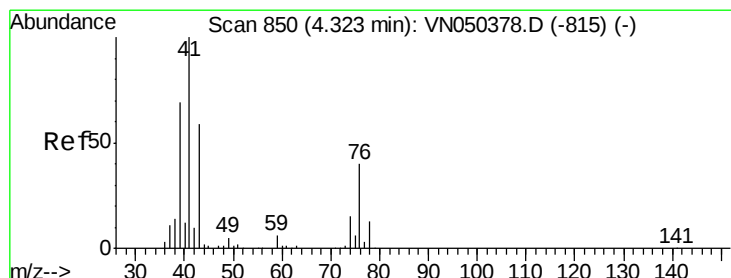
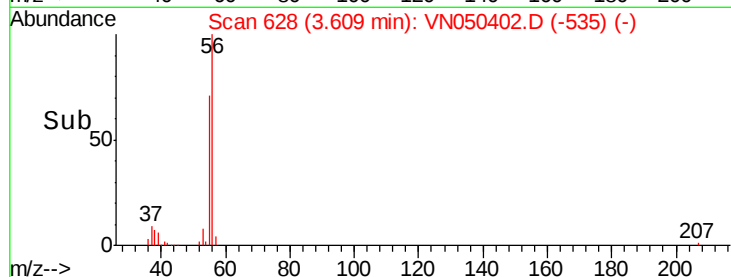
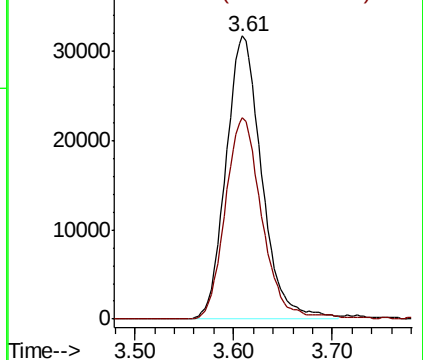
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.82 ug/l

RT: 4.32 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN050402.D

Acq: 6 Aug 2018 23:44

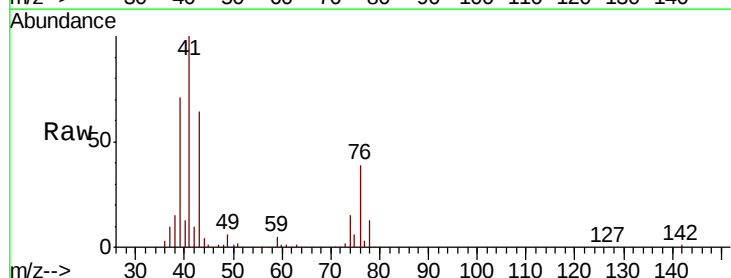
Tgt Ion: 41 Resp: 199426

Ion Ratio Lower Upper

41 100

39 67.2 54.2 81.4

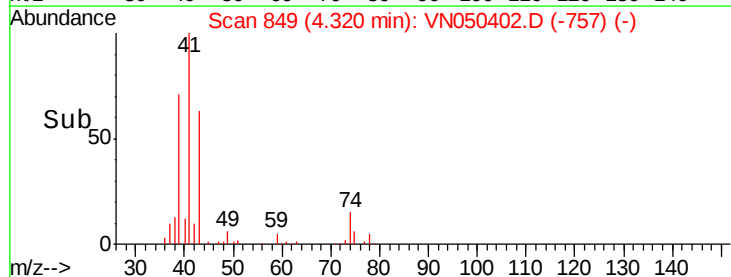
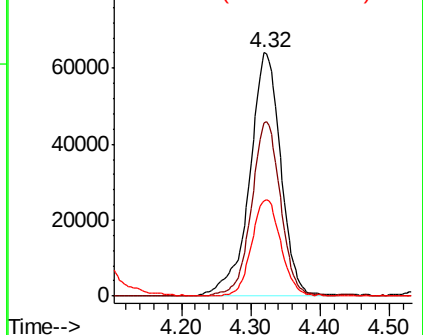
76 37.1 29.0 43.6

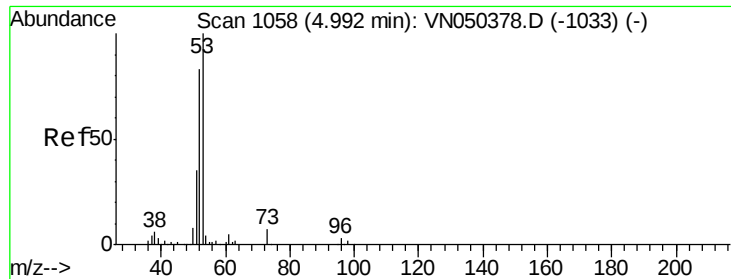


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 104.14 ug/l

RT: 5.00 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VN050402.D

Acq: 6 Aug 2018 23:44

Instrument :

MSVOA_N

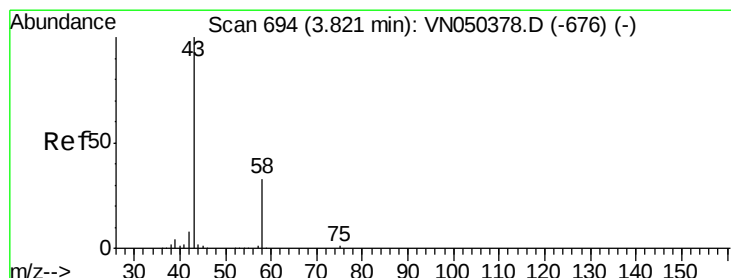
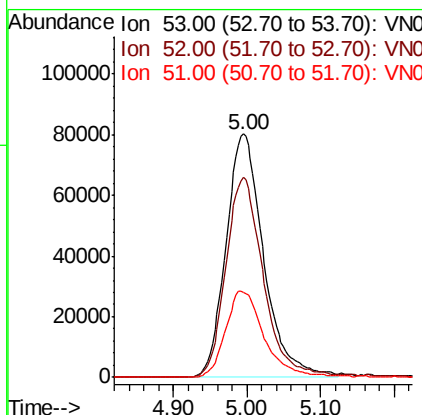
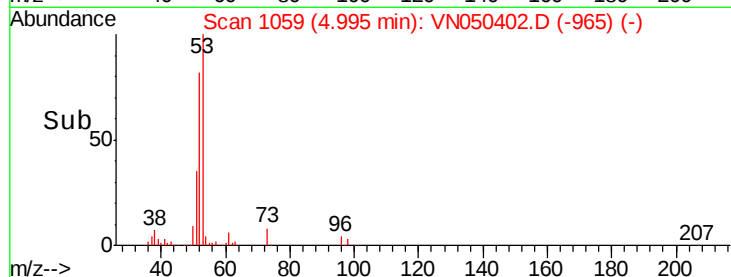
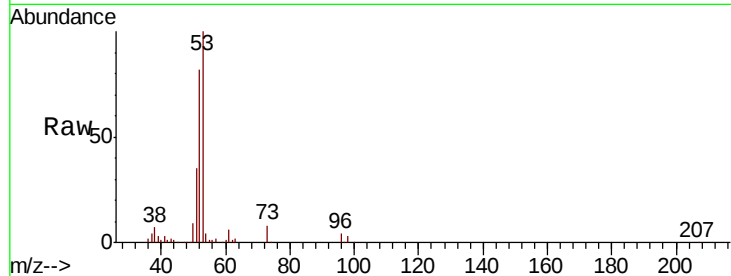
ClientSampleID :

VN0806WBS02

Tot Ion:	53	Resp:	285784
Ion	Ratio	Lower	Upper
53	100		
52	81.4	66.2	99.2
51	35.7	29.3	43.9

Manual Integrations
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#16

Acetone

Concen: 109.69 ug/l

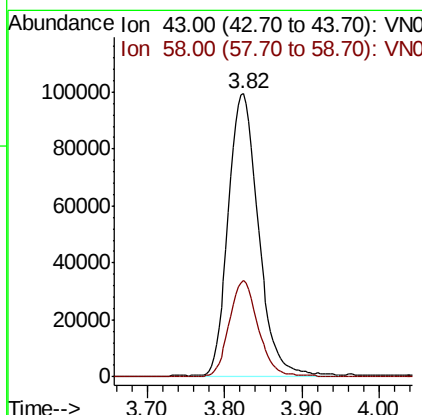
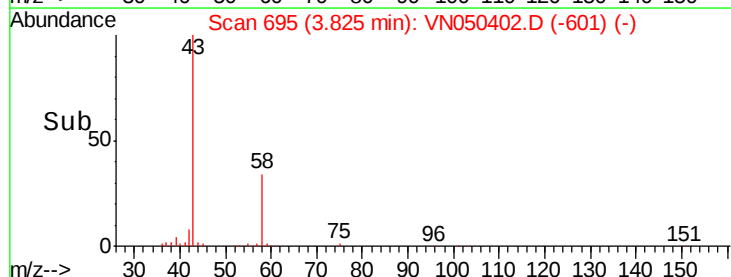
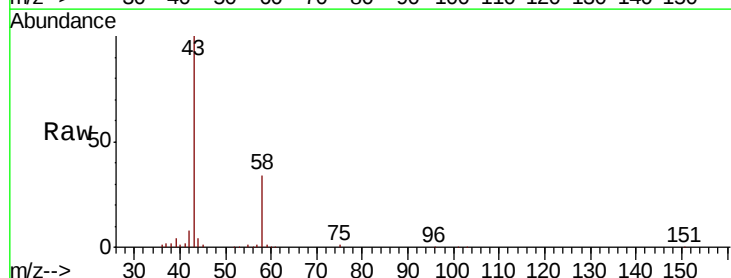
RT: 3.82 min Scan# 695

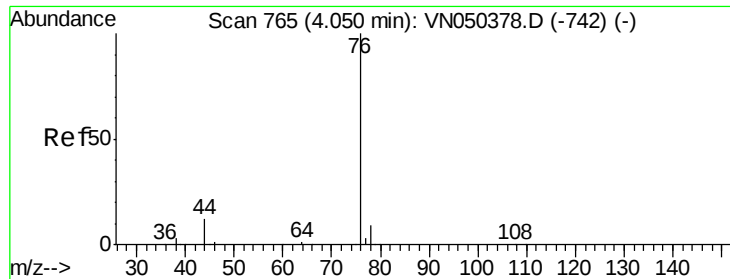
Delta R.T. 0.00 min

Lab File: VN050402.D

Acq: 6 Aug 2018 23:44

Tgt Ion:	43	Resp:	267252
Ion	Ratio	Lower	Upper
43	100		
58	34.2	25.8	38.8





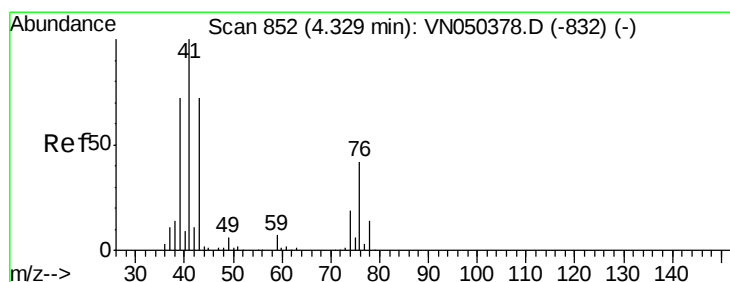
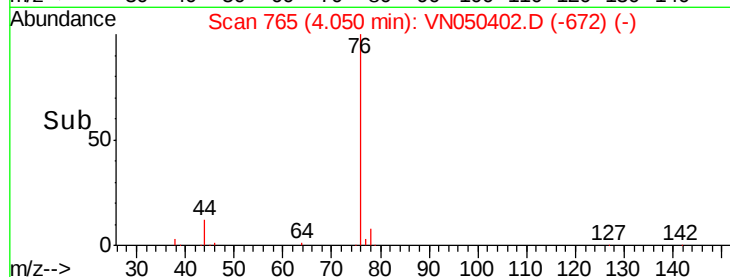
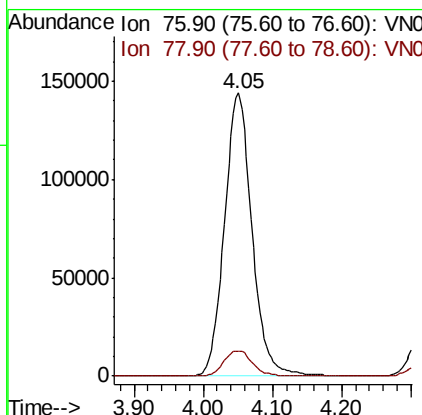
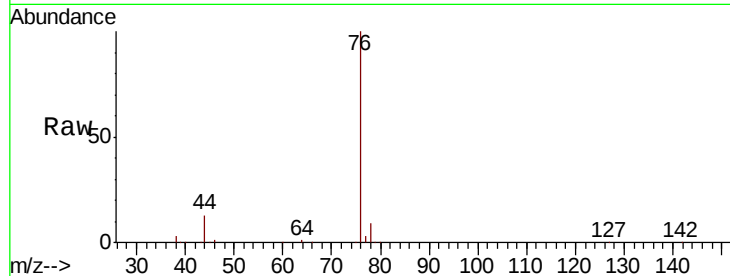
#17
Carbon Disulfide
Concen: 18.60 ug/l
RT: 4.05 min Scan# 765
Delta R.T. -0.00 min
Lab File: VN050402.D
Acq: 6 Aug 2018 23:44

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.3	10.9

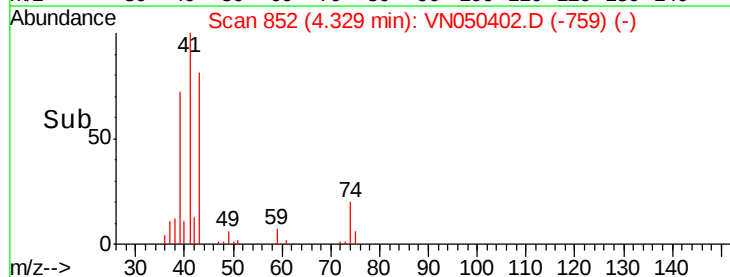
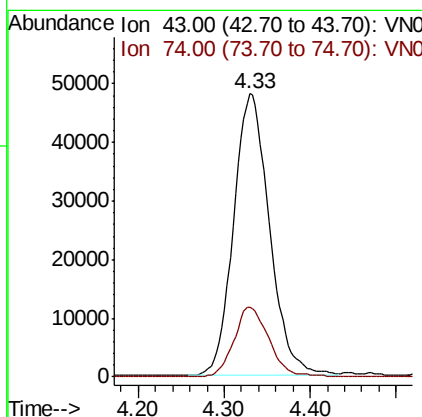
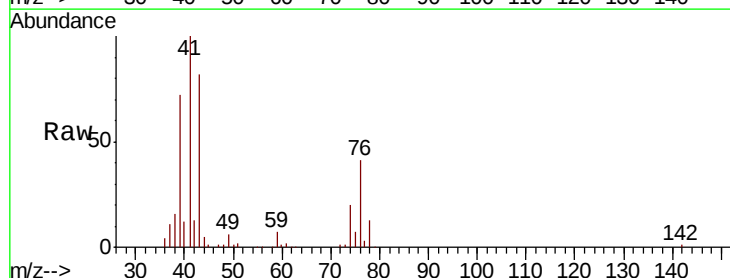
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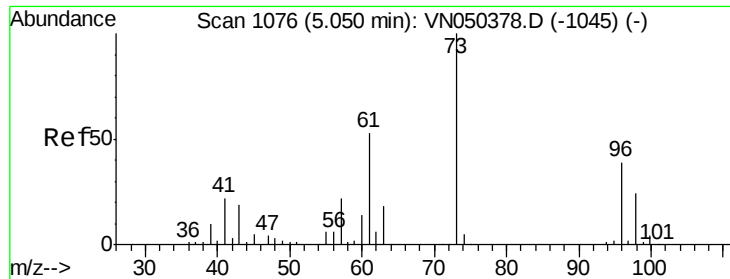
MMDadoda
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#18
Methyl Acetate
Concen: 21.98 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN050402.D
Acq: 6 Aug 2018 23:44

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.1	19.2	28.8





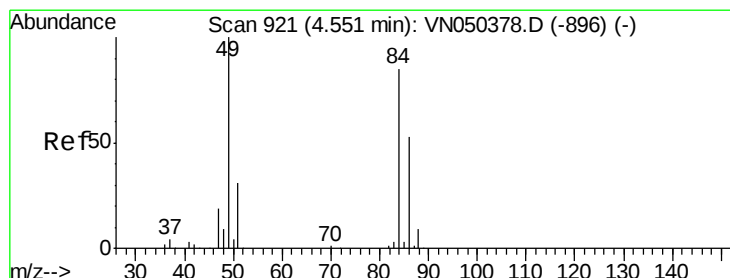
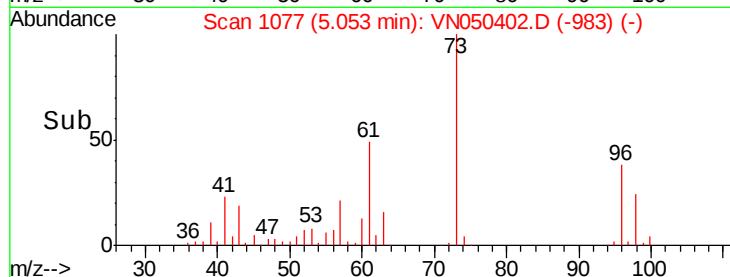
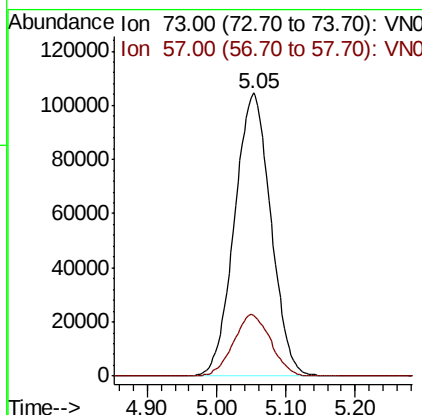
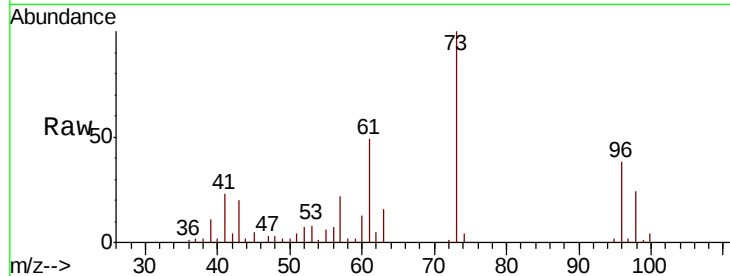
#19
Methvl tert-butvl Ether
Concen: 20.35 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VN050402.D
Acq: 6 Aug 2018 23:44

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBS02

Tot Ion: 73 Resp: 381156
Ion Ratio Lower Upper
73 100
57 21.6 18.0 27.0

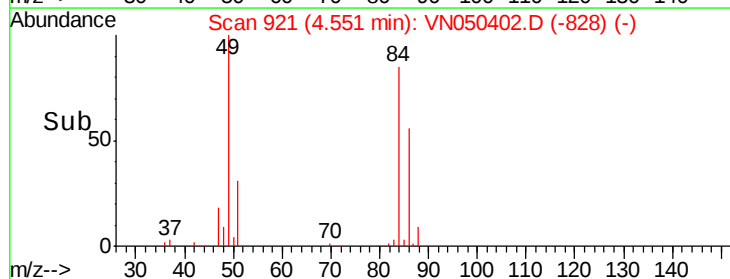
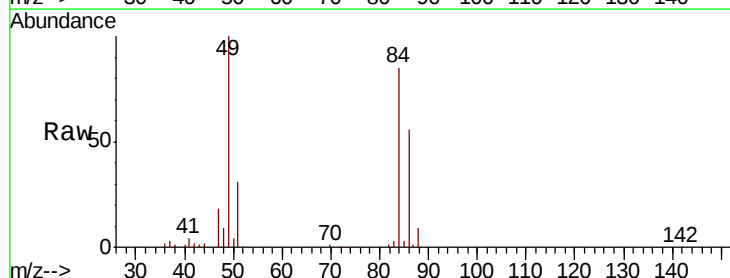
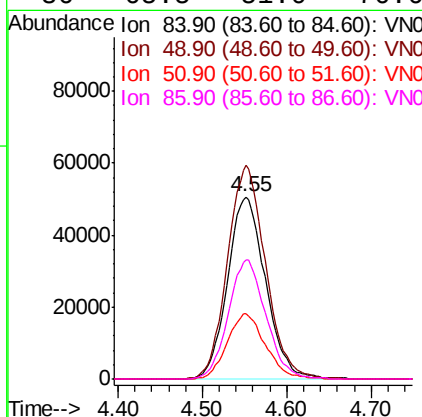
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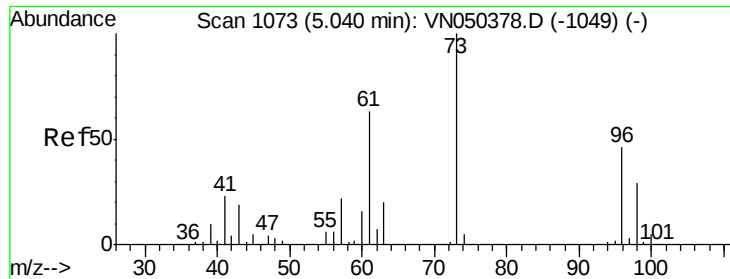
MMDadoda
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#20
Methylene Chloride
Concen: 20.40 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050402.D
Acq: 6 Aug 2018 23:44

Tgt Ion: 84 Resp: 158576
Ion Ratio Lower Upper
84 100
49 116.8 94.8 142.2
51 35.9 28.3 42.5
86 65.5 51.0 76.6





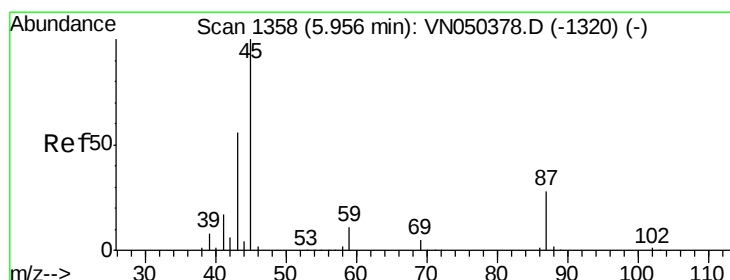
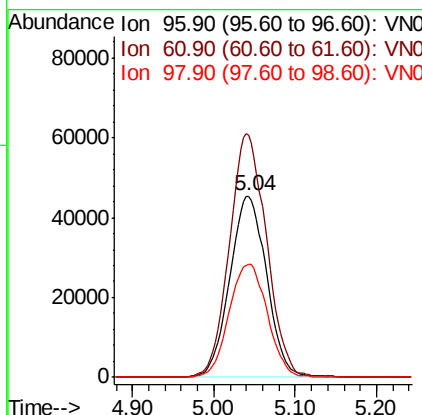
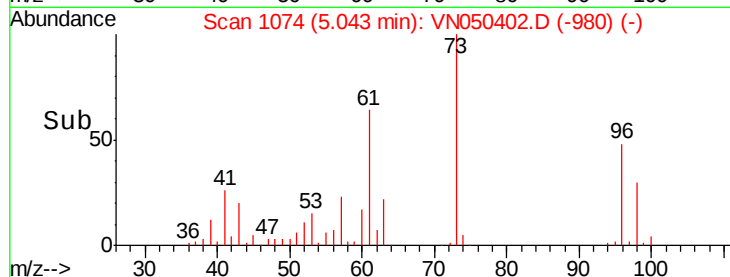
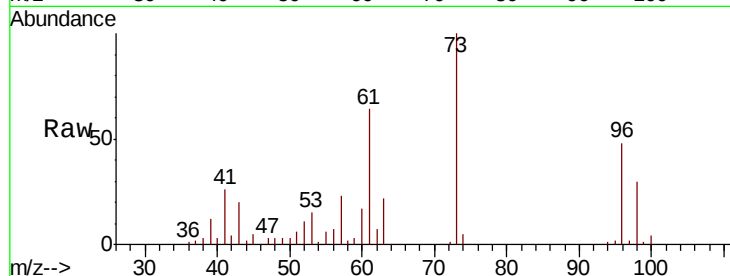
#21
trans-1,2-Dichloroethene
Concen: 20.00 ug/l
RT: 5.04 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VN050402.D
Acq: 6 Aug 2018 23:44

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.5	110.7	166.1
98	62.3	51.6	77.4

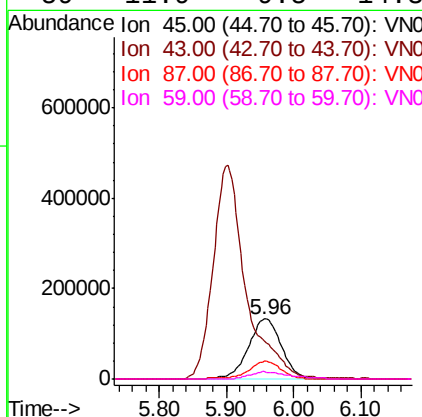
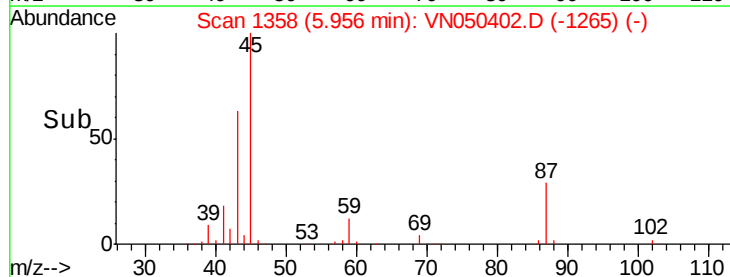
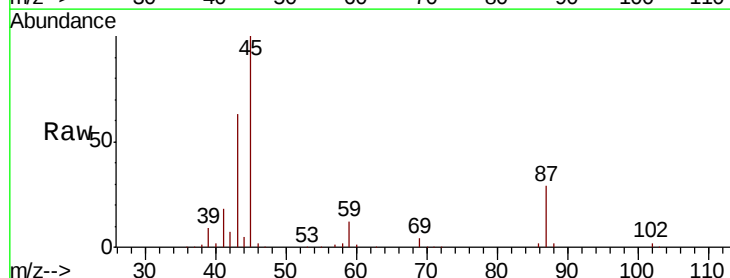
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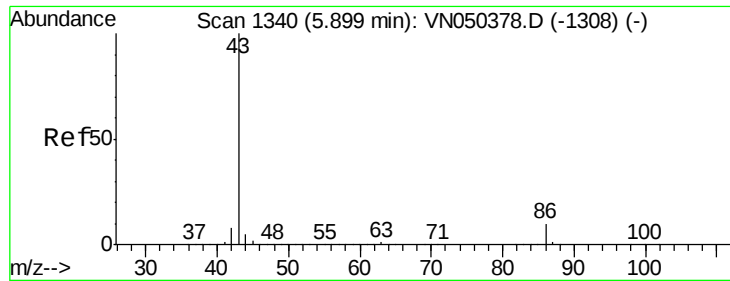
MMDadoda
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#22
Diisopropyl ether
Concen: 21.01 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VN050402.D
Acq: 6 Aug 2018 23:44

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.8	45.7	68.5
87	29.3	22.7	34.1
59	11.9	9.5	14.3





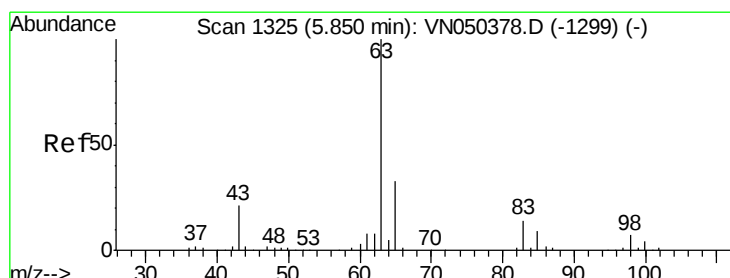
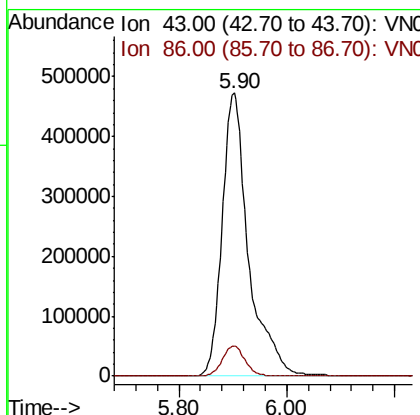
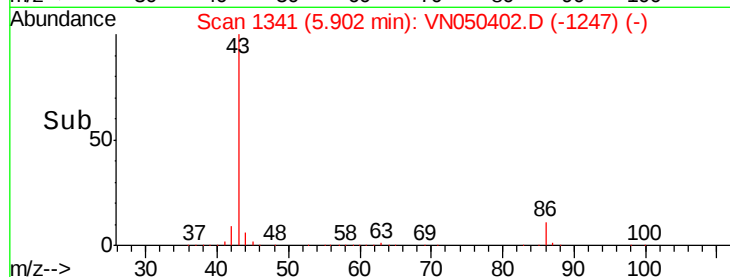
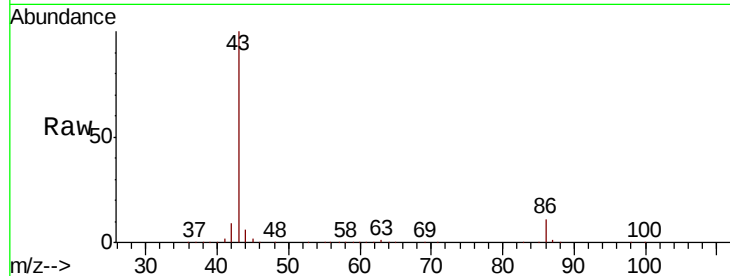
#23
 Vinyl Acetate
 Concen: 104.08 ug/l
 RT: 5.90 min Scan# 1341
 Delta R.T. 0.00 min
 Lab File: VN050402.D
 Acq: 6 Aug 2018 23:44

Instrument :
 MSVOA_N
 ClientSampled :
 VN0806WBS02

Tot Ion: 43 Resp: 1607501
 Ion Ratio Lower Upper
 43 100
 86 10.6 8.6 13.0

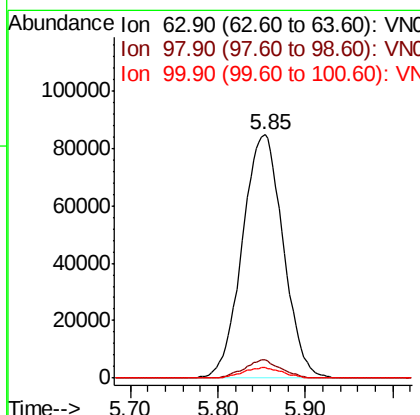
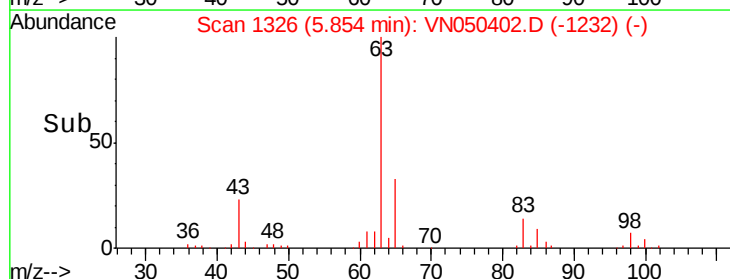
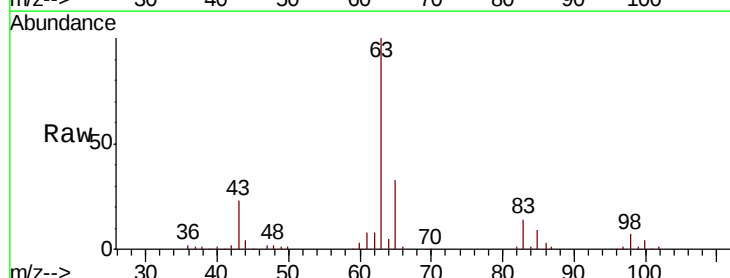
Manual Integrations
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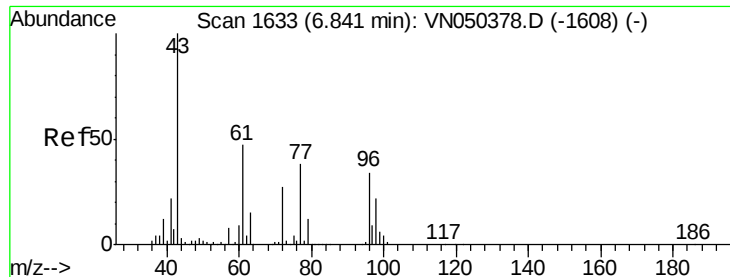
MMDadoda
 8/7/2018 9:59:11 AM



#24
 1,1-Dichloroethane
 Concen: 20.63 ug/l
 RT: 5.85 min Scan# 1326
 Delta R.T. 0.00 min
 Lab File: VN050402.D
 Acq: 6 Aug 2018 23:44

Tgt Ion: 63 Resp: 274042
 Ion Ratio Lower Upper
 63 100
 98 7.4 3.3 9.8
 100 4.1 2.1 6.3





#25

2-Butanone

Concen: 104.38 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN050402.D

Acq: 6 Aug 2018 23:44

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBS02

Tot Ion: 43 Resp: 421790

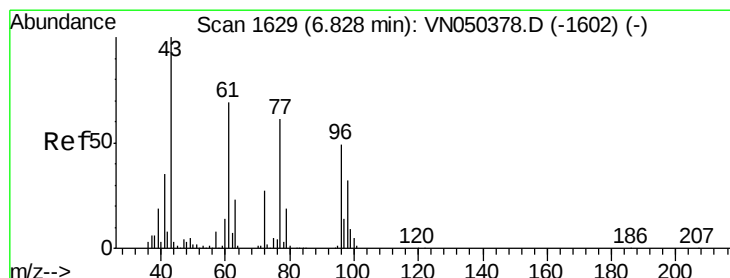
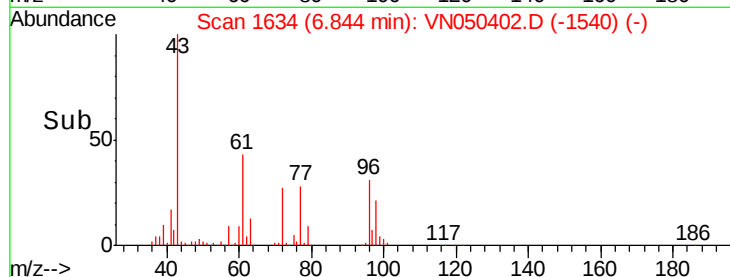
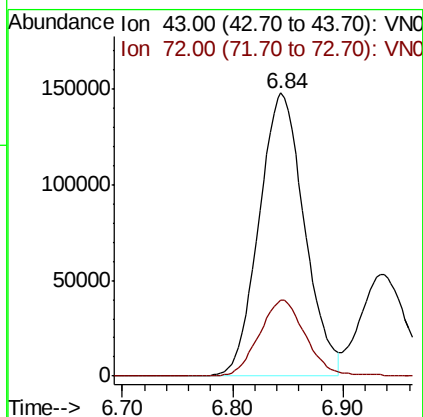
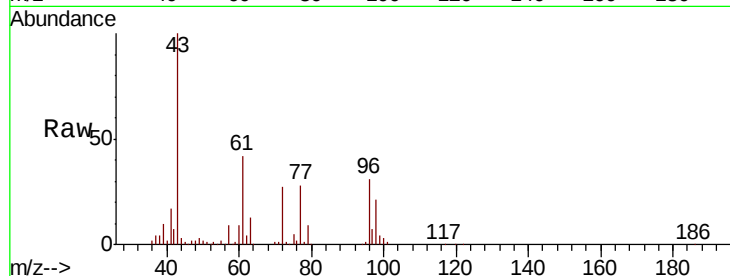
Ion Ratio Lower Upper

43 100

72 26.8 21.5 32.3

Manual Integrations
APPROVED

MMDadoda
8/7/2018 9:59:11 AM



#26

2,2-Dichloropropane

Concen: 15.75 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN050402.D

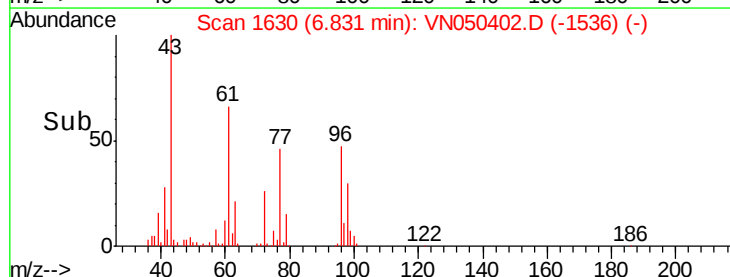
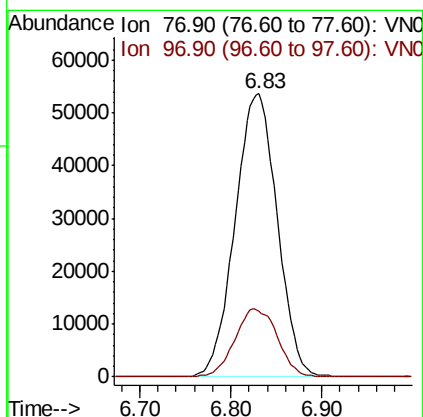
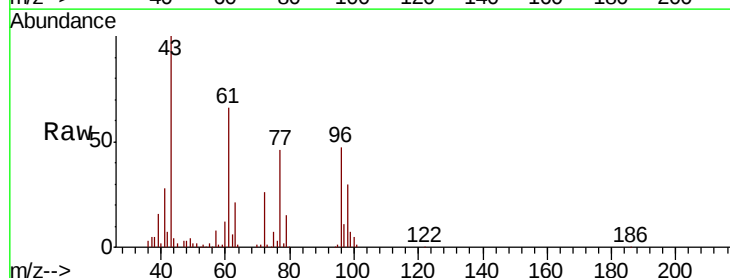
Acq: 6 Aug 2018 23:44

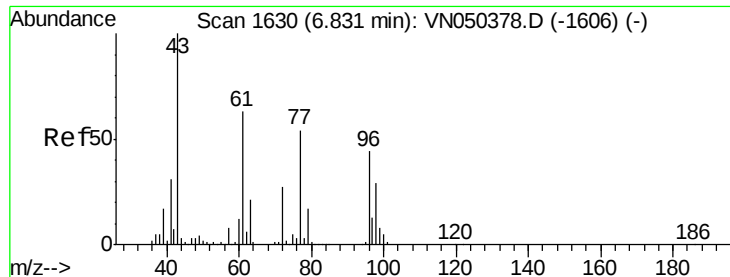
Tgt Ion: 77 Resp: 172519

Ion Ratio Lower Upper

77 100

97 24.3 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 20.21 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN050402.D

Acq: 6 Aug 2018 23:44

Instrument :

MSVOA_N

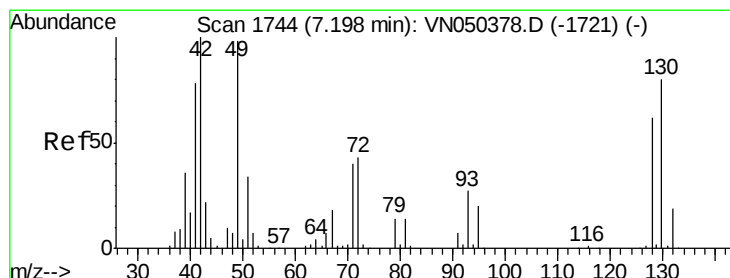
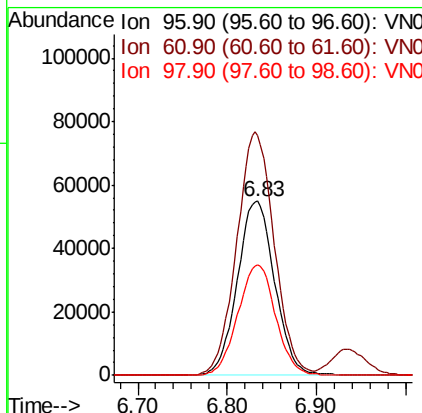
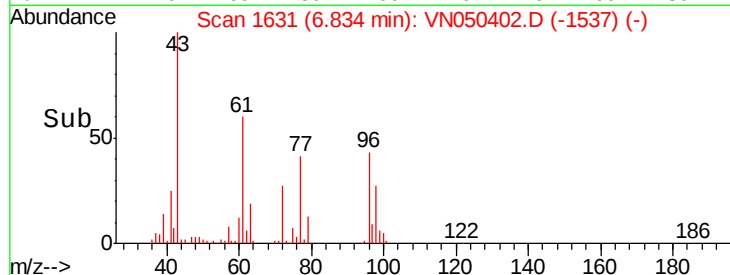
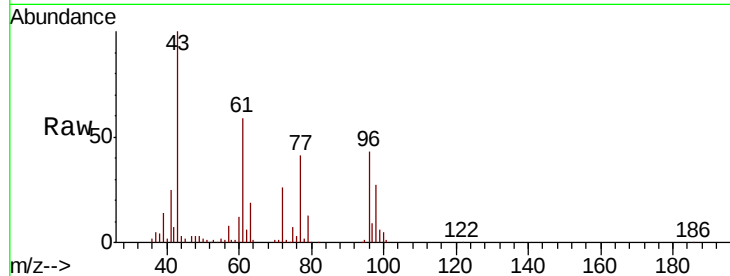
ClientSampled :

VN0806WBS02

Tot Ion:	96	Resp:	159919
Ion	Ratio	Lower	Upper
96	100		
61	140.1	0.0	285.0
98	64.2	0.0	129.2

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#28

Bromochloromethane

Concen: 20.19 ug/l

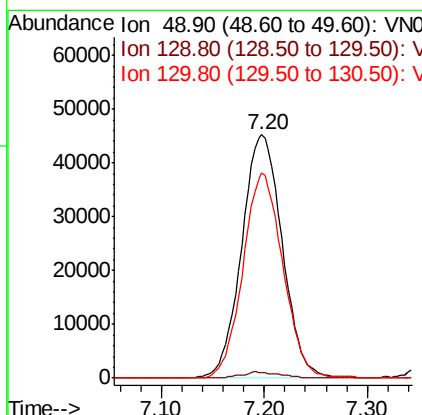
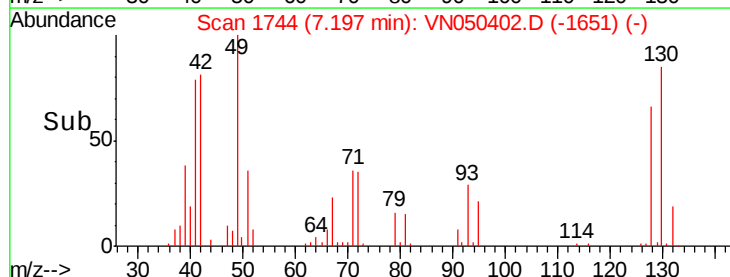
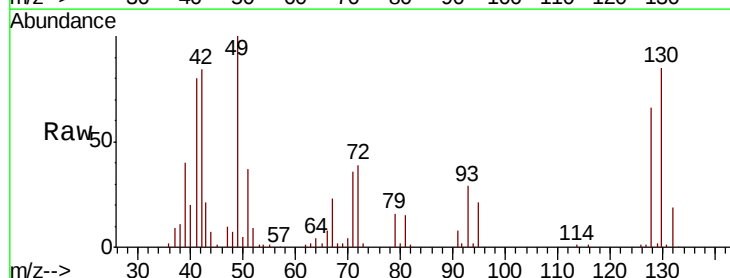
RT: 7.20 min Scan# 1744

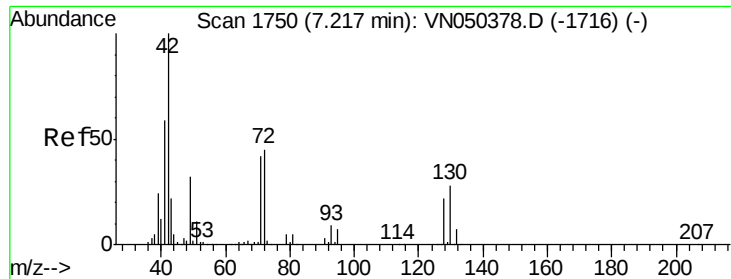
Delta R.T. -0.00 min

Lab File: VN050402.D

Acq: 6 Aug 2018 23:44

Tgt Ion:	49	Resp:	123456
Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.0
130	82.7	66.3	99.5





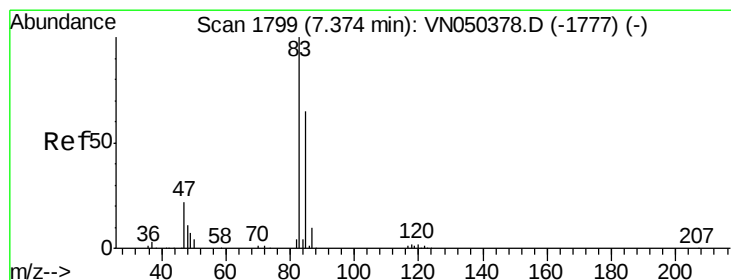
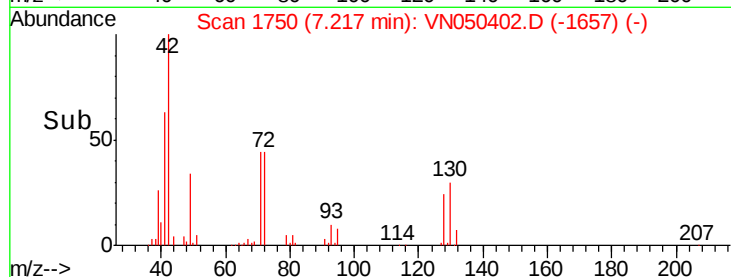
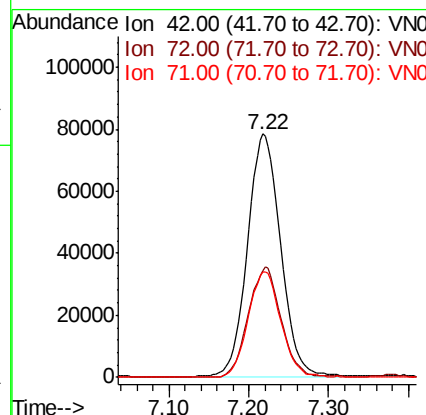
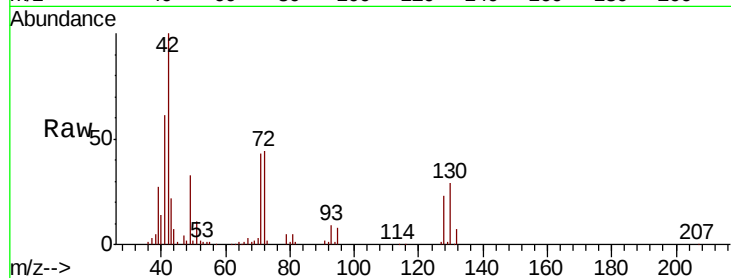
#29
Tetrahydrofuran
Concen: 101.93 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VN050402.D
Acq: 6 Aug 2018 23:44

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.6	35.9	53.9
71	42.8	33.7	50.5

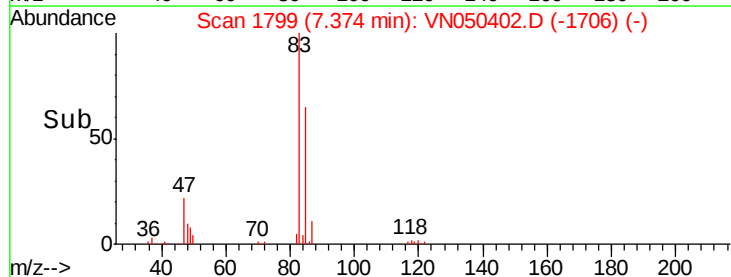
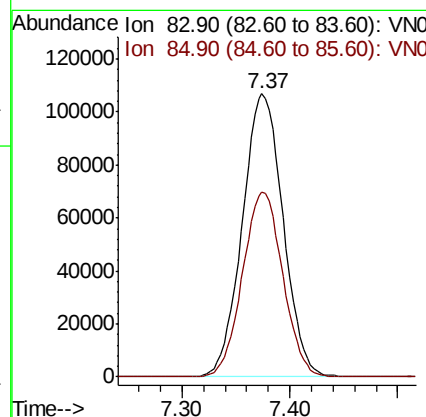
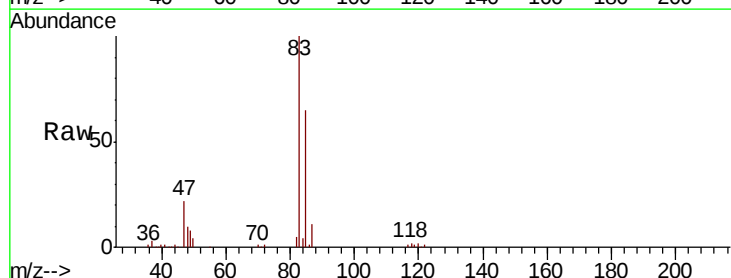
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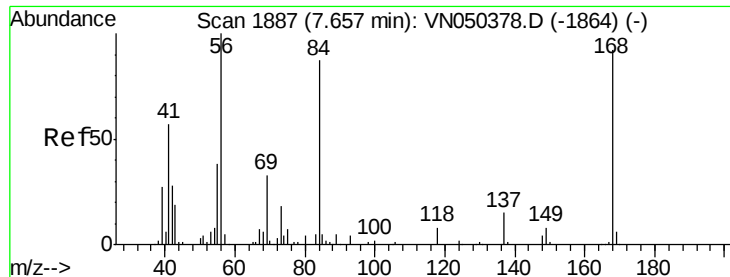
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#30
Chloroform
Concen: 21.15 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN050402.D
Acq: 6 Aug 2018 23:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	52.5	78.7





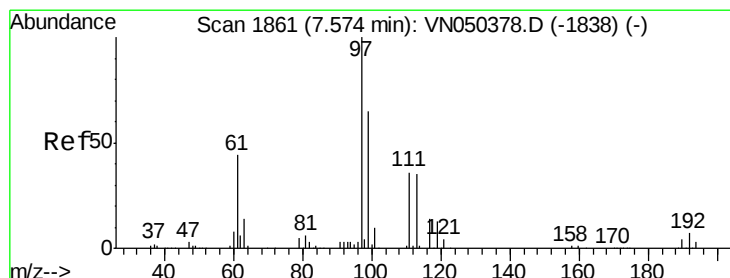
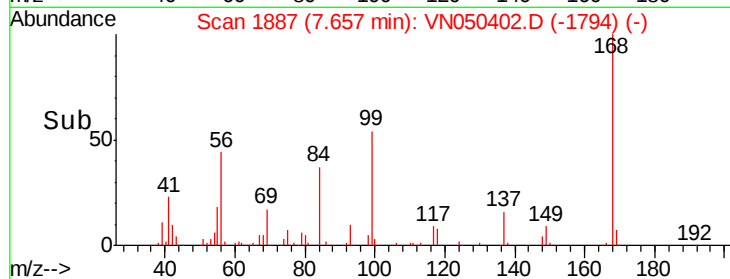
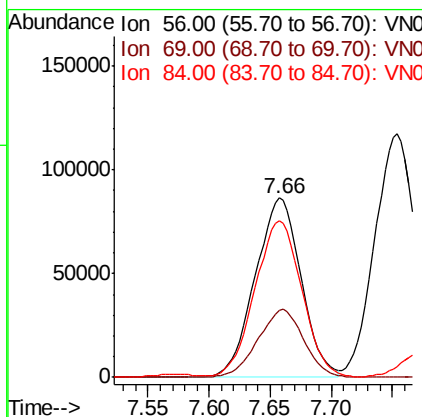
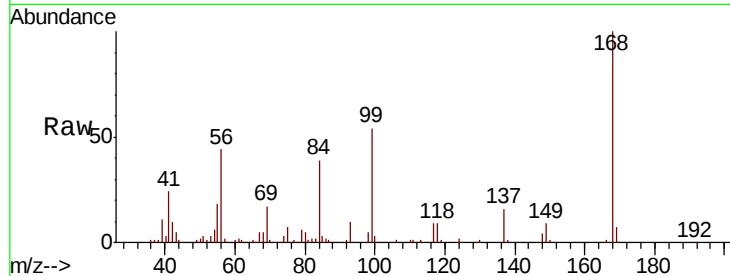
#31
Cyclohexane
Concen: 18.96 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VN050402.D
Acq: 6 Aug 2018 23:44

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.7	26.2	39.4
84	85.7	67.4	101.0

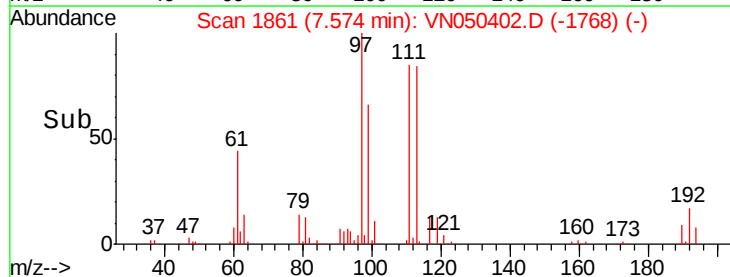
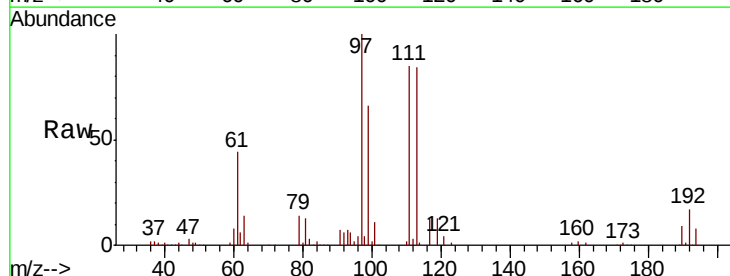
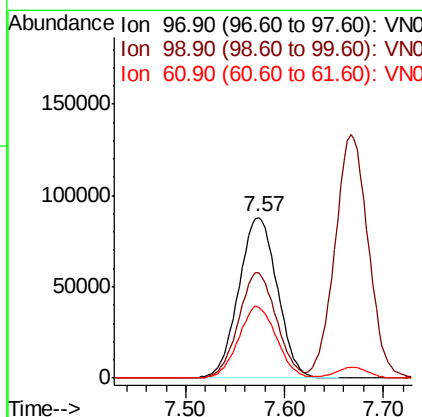
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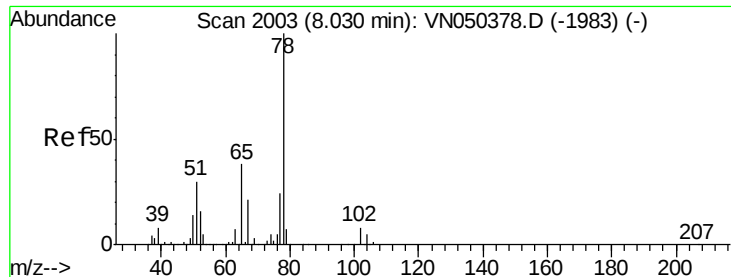
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#32
1,1,1-Trichloroethane
Concen: 20.82 ug/l
RT: 7.57 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN050402.D
Acq: 6 Aug 2018 23:44

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.4	77.0
61	44.1	35.4	53.0





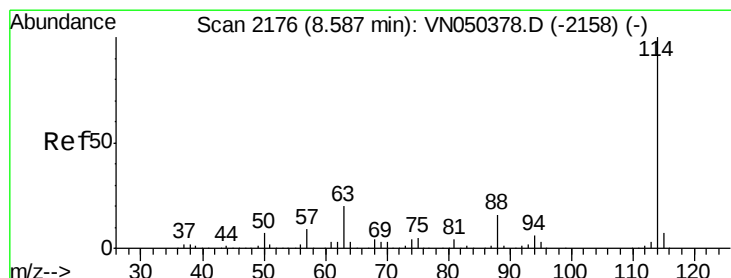
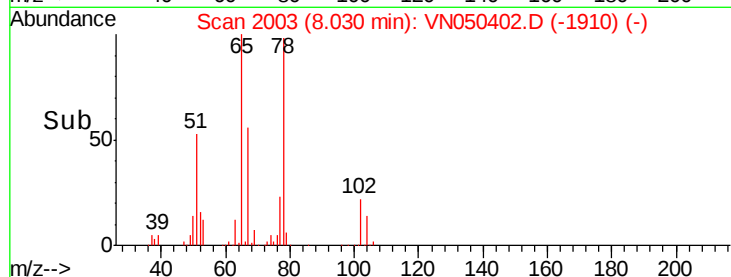
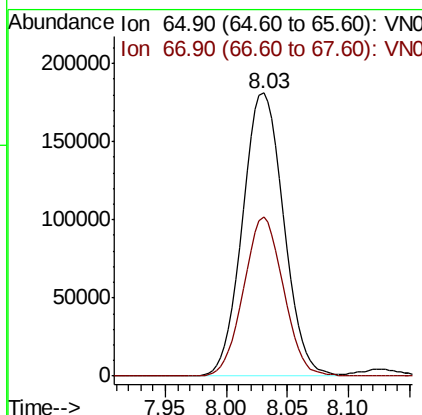
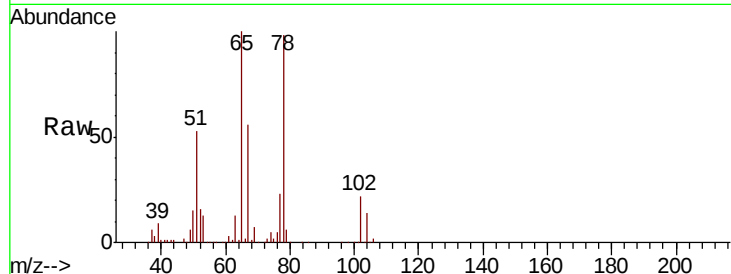
#33
 1,2-Dichloroethane-d4
 Concen: 51.89 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. -0.00 min
 Lab File: VN050402.D
 Acq: 6 Aug 2018 23:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	423206		
67	54.4	0.0	108.4	

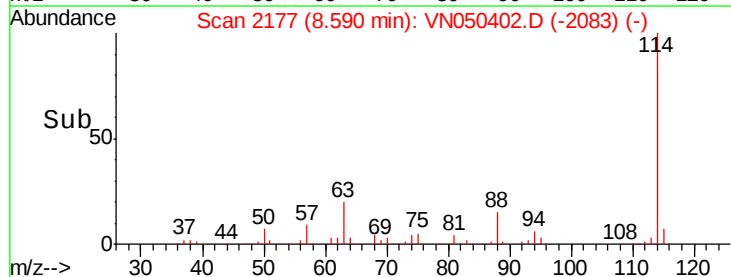
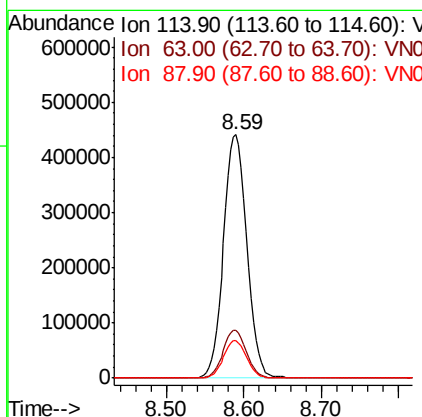
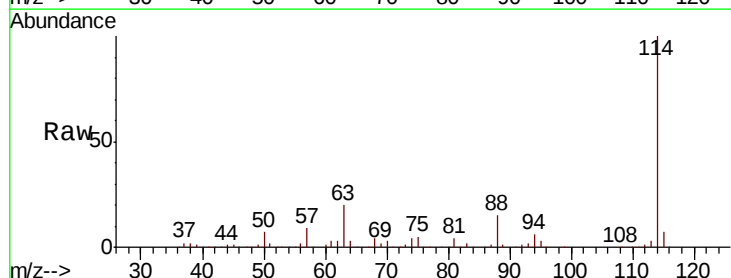
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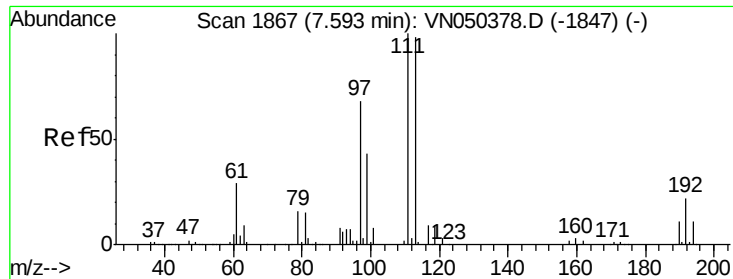
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050402.D
 Acq: 6 Aug 2018 23:44

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	923889		
63	19.6	0.0	40.0	
88	15.3	0.0	31.2	





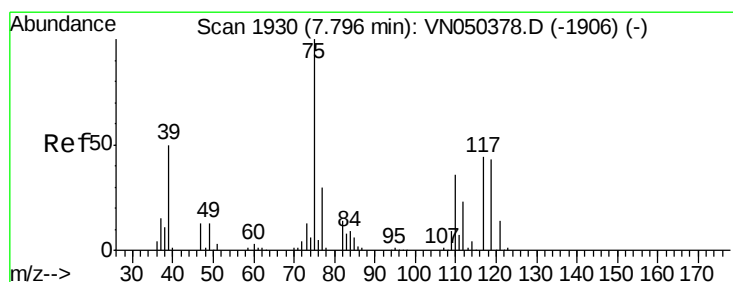
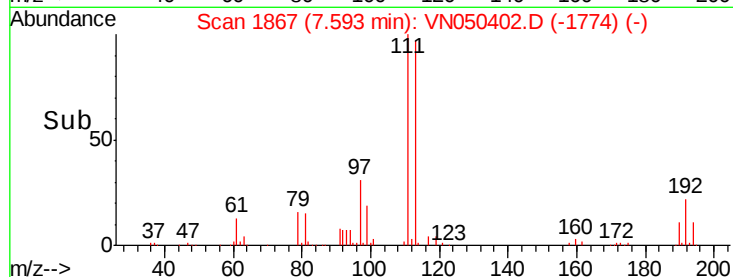
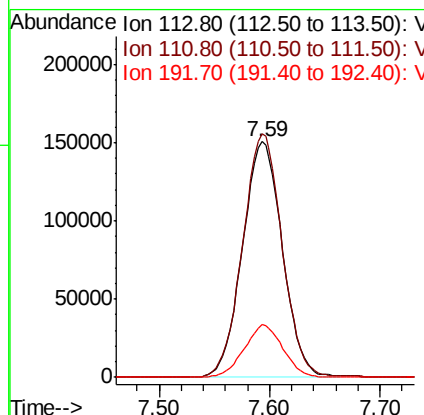
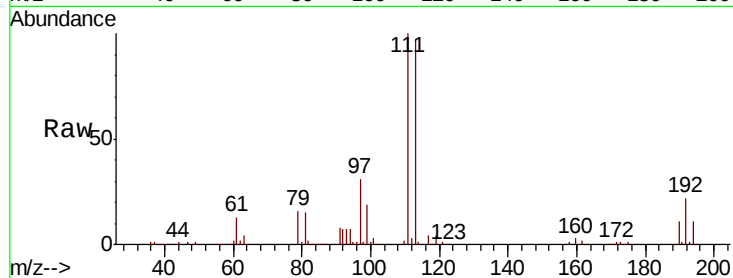
#35
 Dibromofluoromethane
 Concen: 50.97 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050402.D
 Acq: 6 Aug 2018 23:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.9	80.7	121.1	
192	21.8	17.8	26.6	

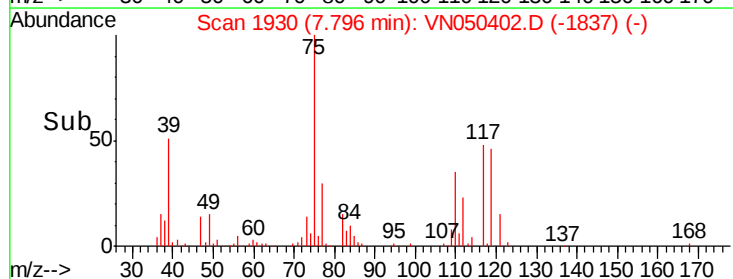
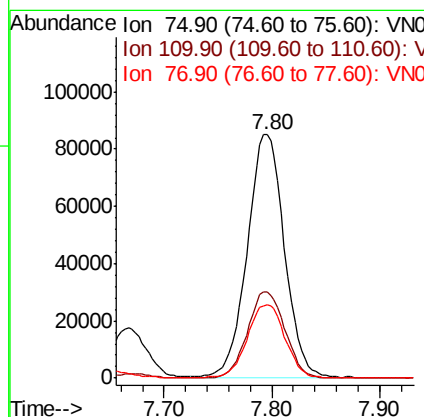
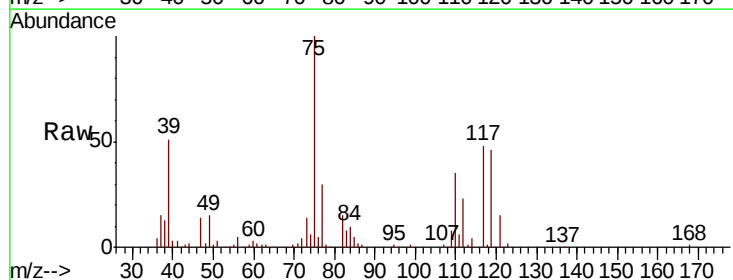
Manual Integrations
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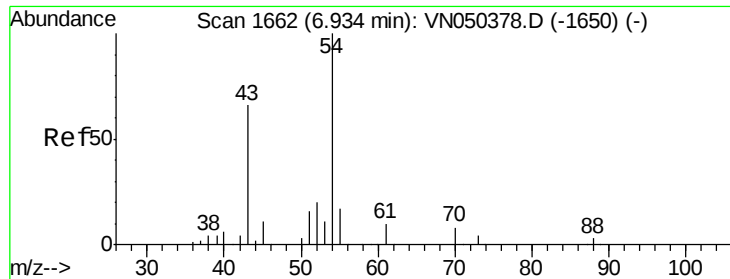
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#36
 1,1-Dichloropropene
 Concen: 19.97 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VN050402.D
 Acq: 6 Aug 2018 23:44

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	35.8	18.4	55.2	
77	31.0	25.3	37.9	





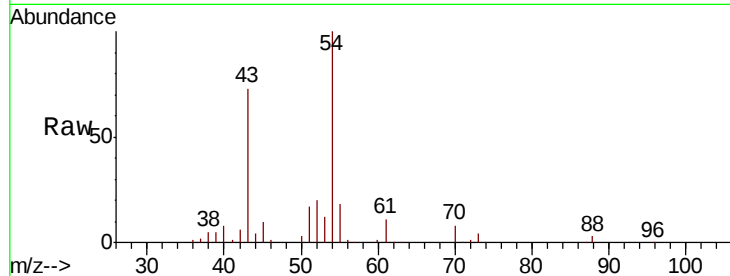
#37
Ethyl Acetate
Concen: 20.77 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN050402.D
Acq: 6 Aug 2018 23:44

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBS02

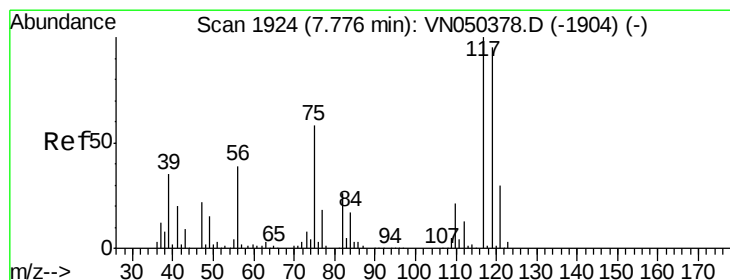
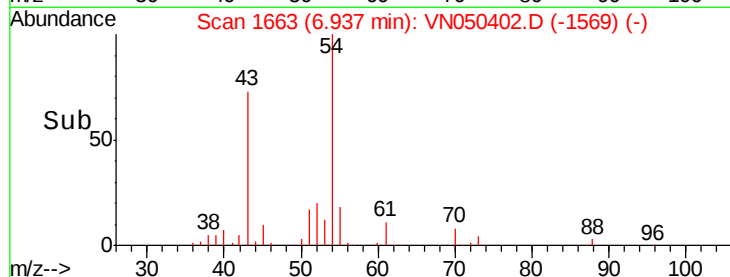
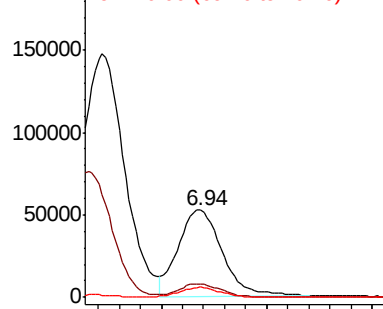
Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.8	17.8
70	11.1	8.4	12.6

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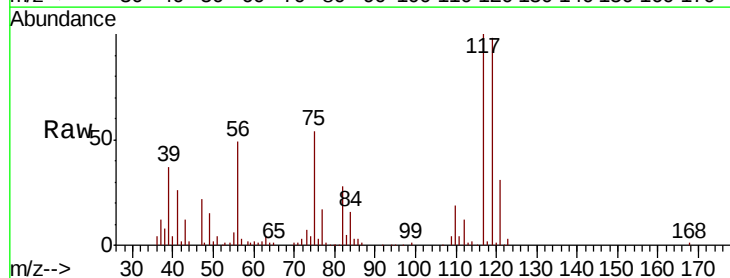


Abundance Ion 43.00 (42.70 to 43.70): VN050378.D (-1650) (-)

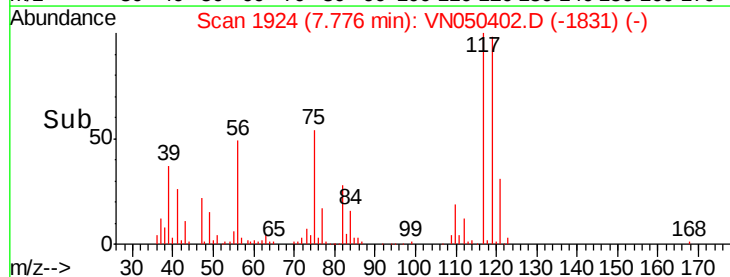
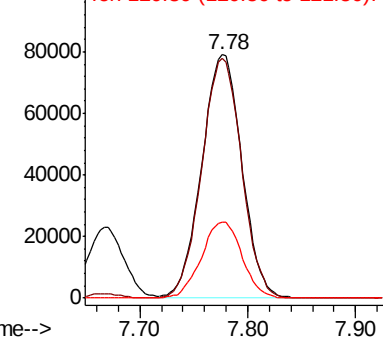


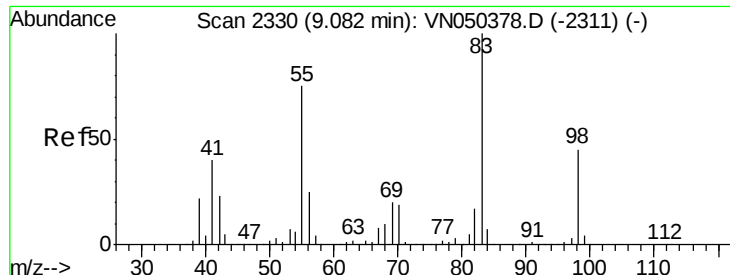
#38
Carbon Tetrachloride
Concen: 19.38 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. -0.00 min
Lab File: VN050402.D
Acq: 6 Aug 2018 23:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.3	77.4	116.0
121	31.2	23.9	35.9



Abundance Ion 116.80 (116.50 to 117.50): VN050378.D (-1904) (-)





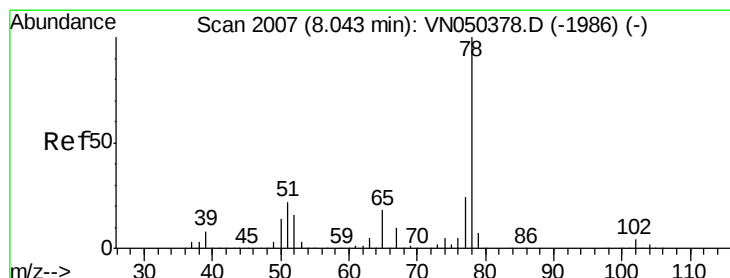
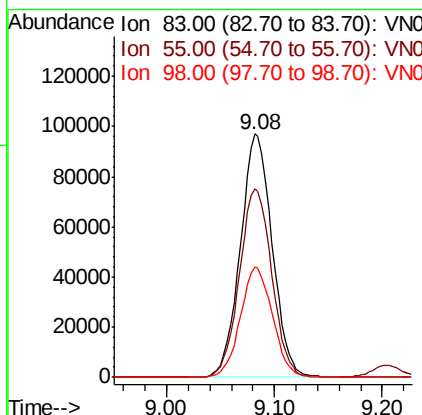
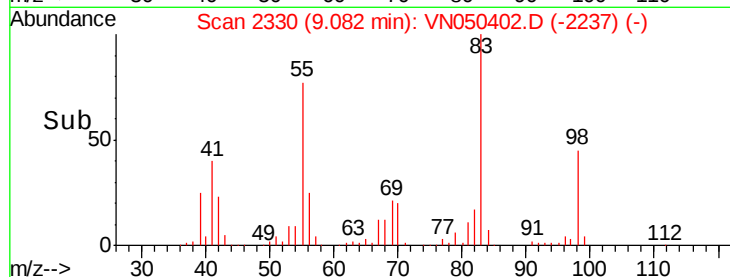
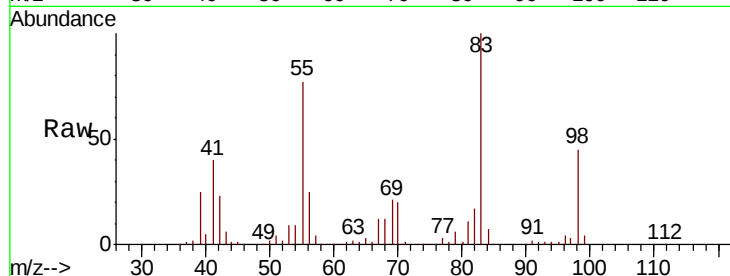
#39
Methvlcvclohexane
Concen: 17.97 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN050402.D
Acq: 6 Aug 2018 23:44

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBS02

Tot Ion	Ratio	Resp	Lower	Upper
83	100	199150		
55	77.4	61.8	92.8	
98	45.5	36.5	54.7	

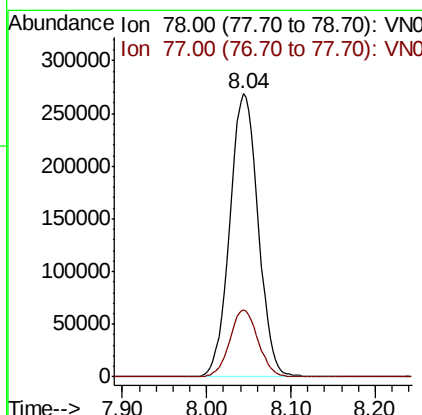
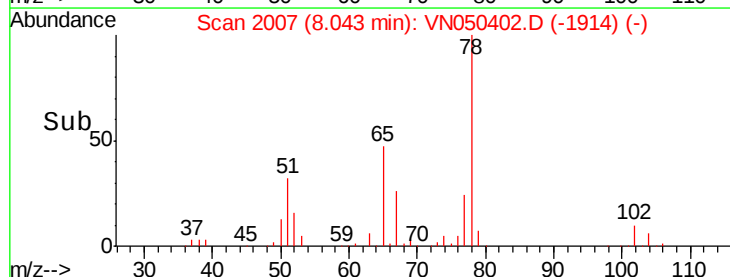
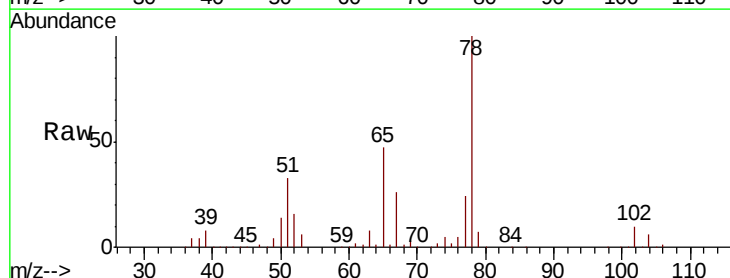
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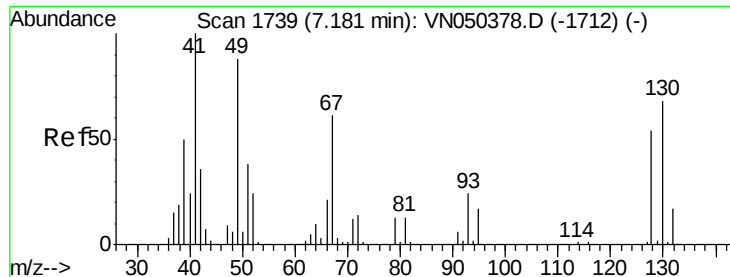
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#40
Benzene
Concen: 20.20 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN050402.D
Acq: 6 Aug 2018 23:44

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	630567		
77	23.8	18.7	28.1	





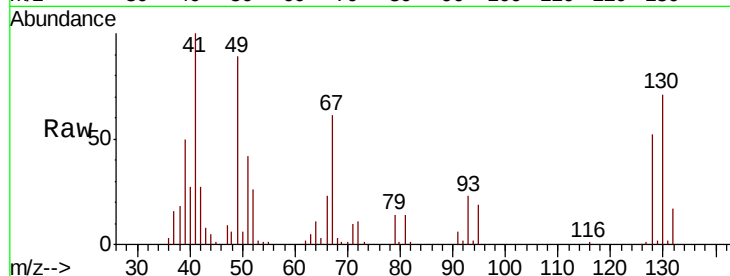
#41
Methacrylonitrile
Concen: 18.79 ug/l
RT: 7.18 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VN050402.D
Acq: 6 Aug 2018 23:44

Instrument :
MSVOA_N
ClientSampled :
VN0806WBS02

Tot Ion	Ratio	Lower	Upper
41	100		
39	48.8	55.8	83.6#
67	87.9	84.3	126.5
52	38.3	34.2	51.2

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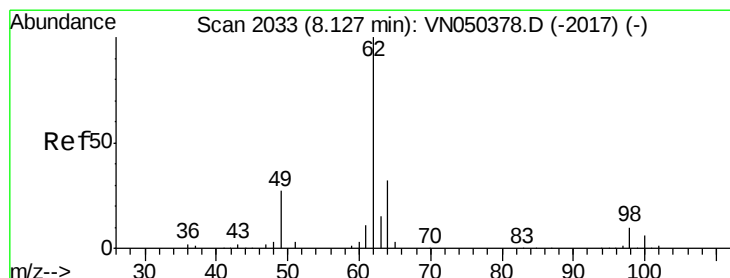
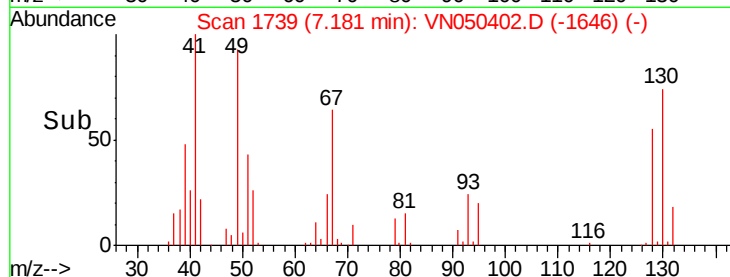
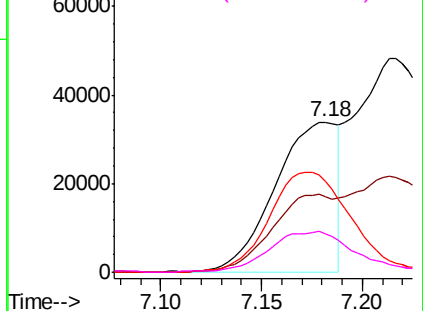
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

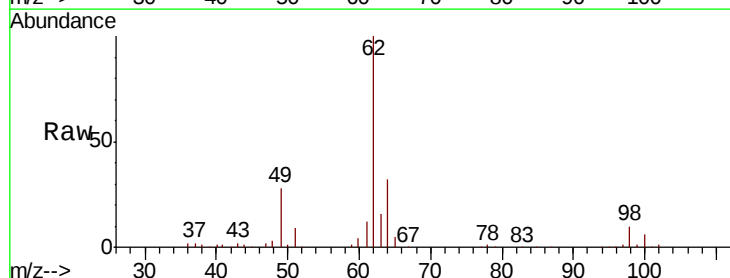
Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#42
1,2-Dichloroethane
Concen: 20.37 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. -0.00 min
Lab File: VN050402.D
Acq: 6 Aug 2018 23:44

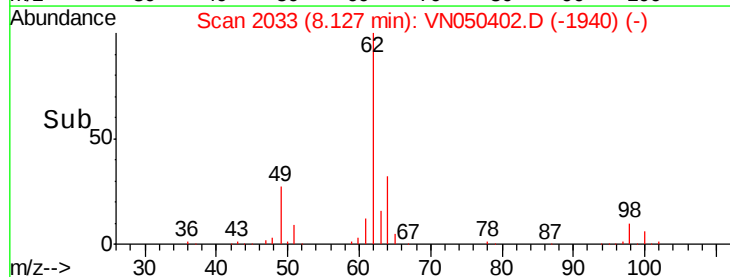
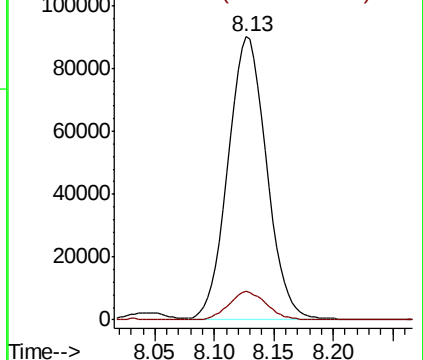
Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	18.8

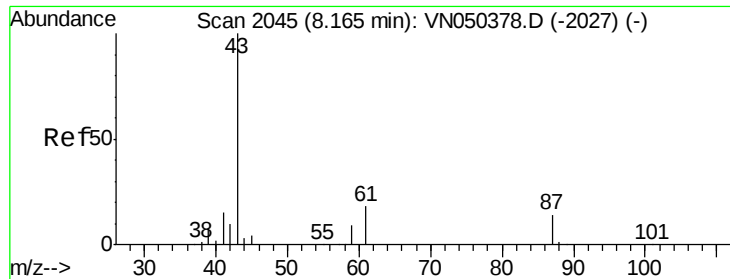


Abundance

Ion 61.90 (61.60 to 62.60): VNO

Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 21.64 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050402.D

Acq: 6 Aug 2018 23:44

Instrument :

MSVOA_N

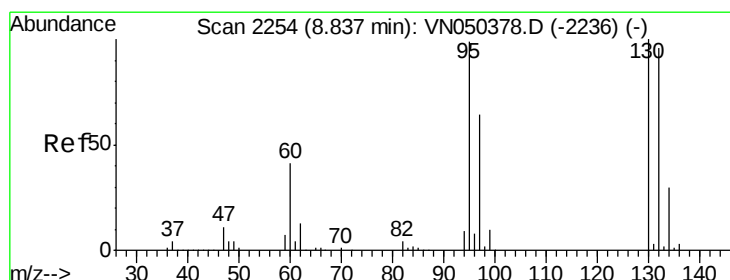
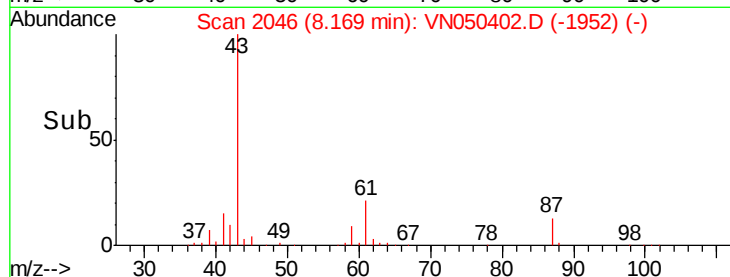
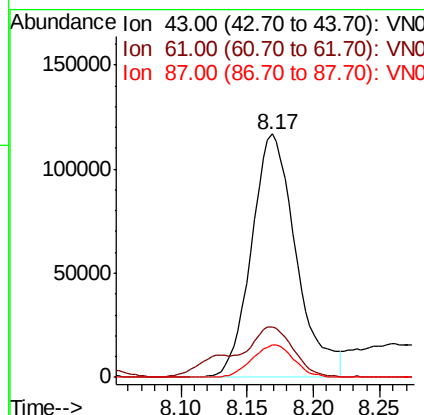
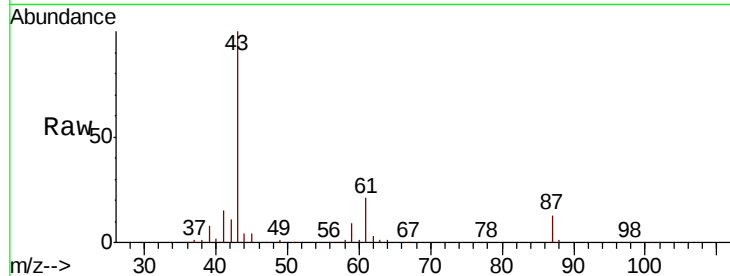
ClientSampleId :

VN0806WBS02

Tot Ion:	43	Resp:	273080
Ion	Ratio	Lower	Upper
43	100		
61	18.2	15.8	23.6
87	12.5	10.3	15.5

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#44

Trichloroethene

Concen: 19.45 ug/l

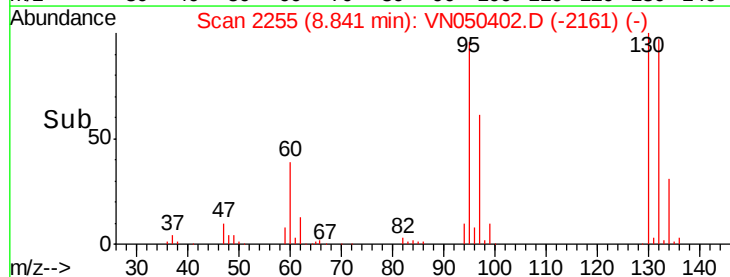
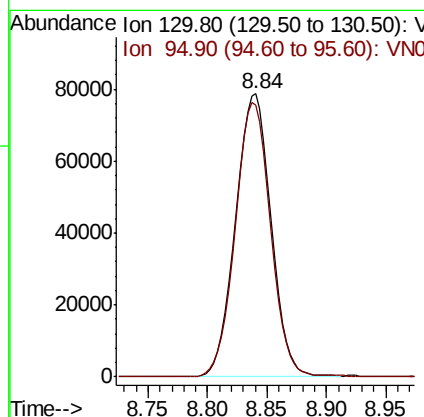
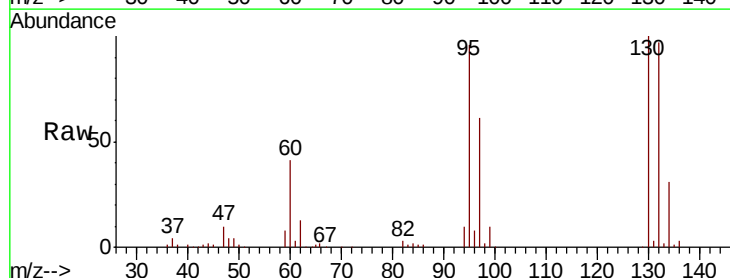
RT: 8.84 min Scan# 2255

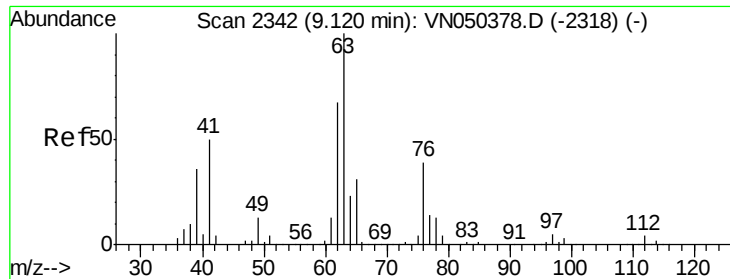
Delta R.T. 0.00 min

Lab File: VN050402.D

Acq: 6 Aug 2018 23:44

Tgt Ion:	130	Resp:	163092
Ion	Ratio	Lower	Upper
130	100		
95	95.9	0.0	194.6





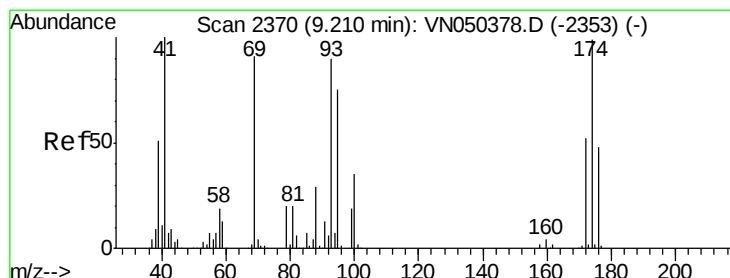
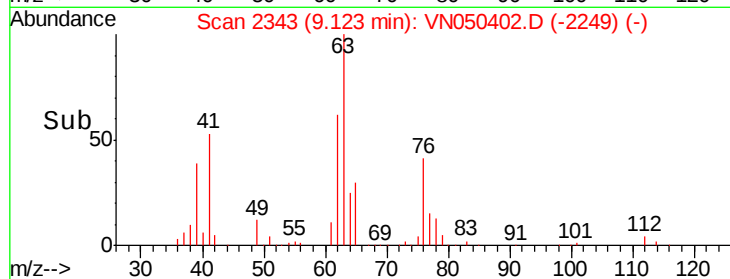
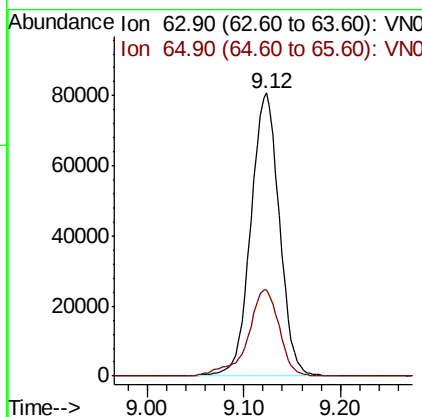
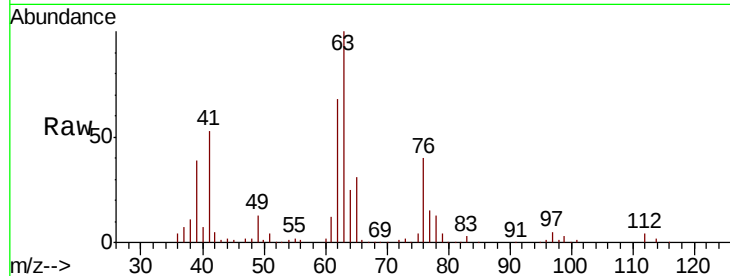
#45
 1,2-Dichloropropane
 Concen: 20.21 ug/l
 RT: 9.12 min Scan# 2343
 Delta R.T. 0.00 min
 Lab File: VN050402.D
 Acq: 6 Aug 2018 23:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBS02

Tot Ion: 63 Resp: 165829
 Ion Ratio Lower Upper
 63 100
 65 30.5 25.5 38.3

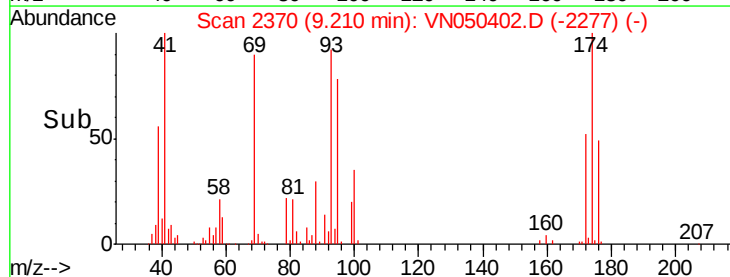
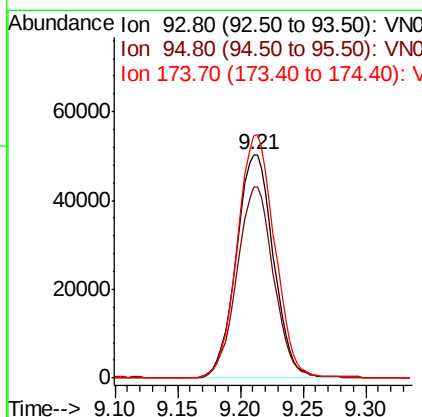
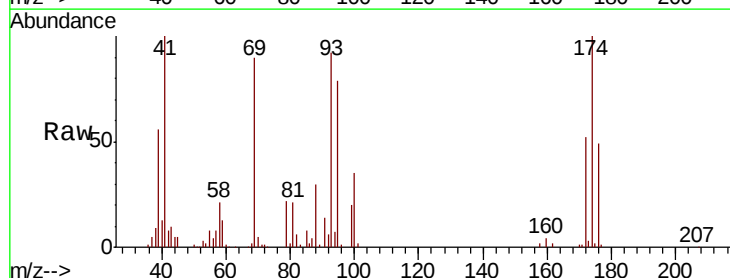
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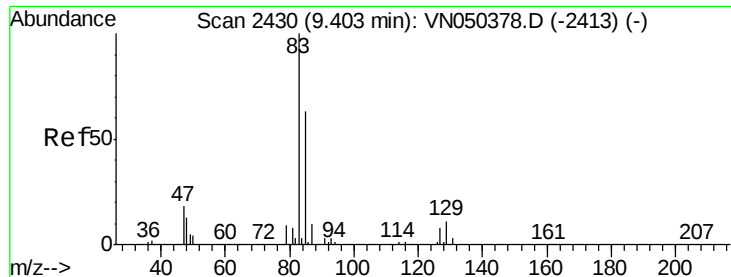
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#46
 Dibromomethane
 Concen: 20.49 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VN050402.D
 Acq: 6 Aug 2018 23:44

Tgt Ion: 93 Resp: 103839
 Ion Ratio Lower Upper
 93 100
 95 84.9 66.6 100.0
 174 109.9 87.1 130.7





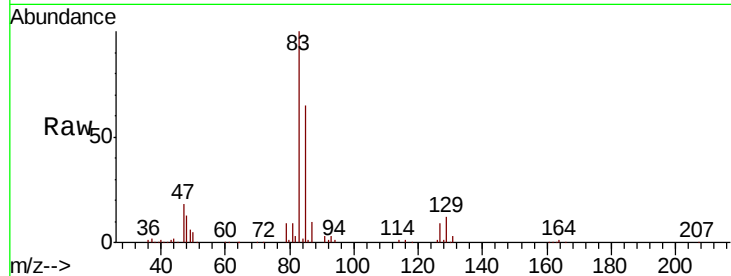
#47
Bromodichloromethane
Concen: 20.02 ug/l
RT: 9.41 min Scan# 2431
Delta R.T. 0.00 min
Lab File: VN050402.D
Acq: 6 Aug 2018 23:44

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBS02

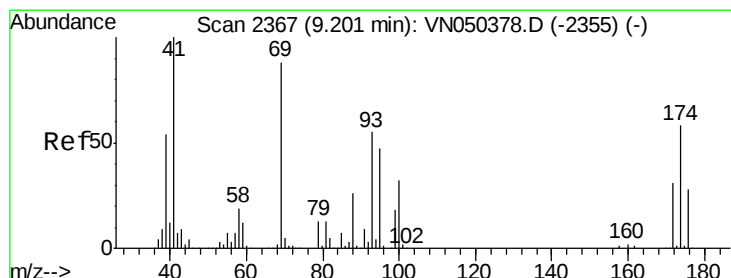
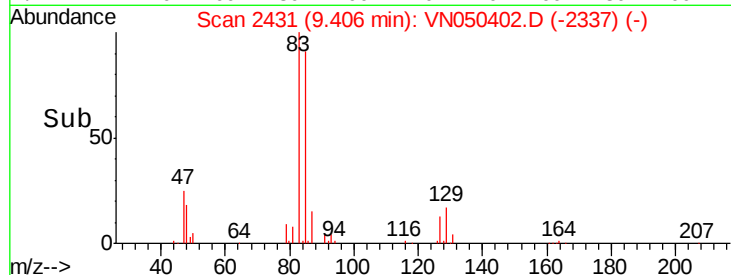
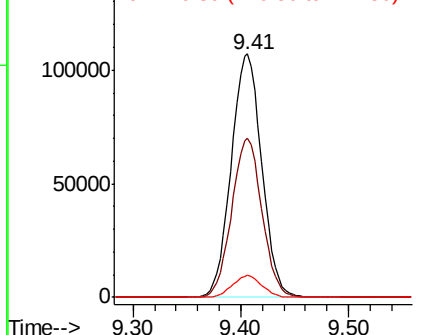
Tot Ion	83	Resp	210131
Ion Ratio	100	Lower	Upper
83	100		
85	65.4	51.1	76.7
127	9.0	7.0	10.4

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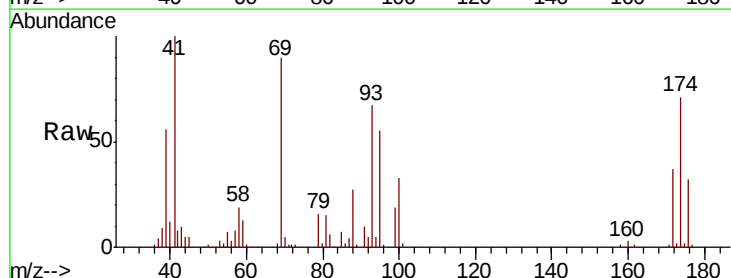


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V

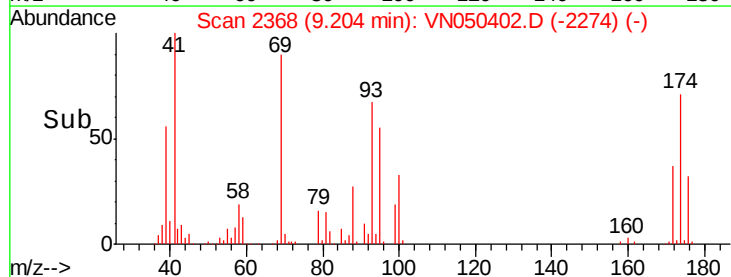
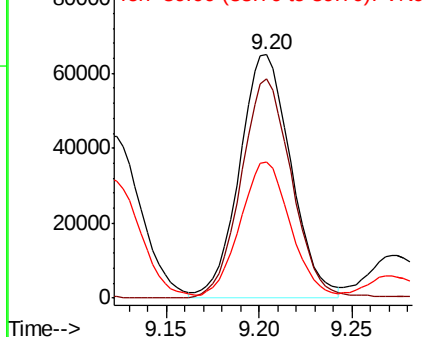


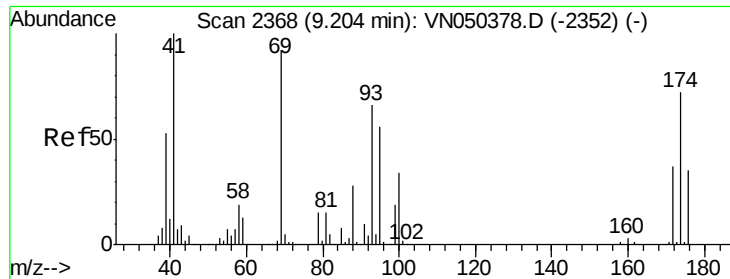
#48
Methyl methacrylate
Concen: 19.70 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN050402.D
Acq: 6 Aug 2018 23:44

Tgt Ion	41	Resp	124583
Ion Ratio	100	Lower	Upper
41	100		
69	89.3	70.6	105.8
39	55.0	43.9	65.9



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





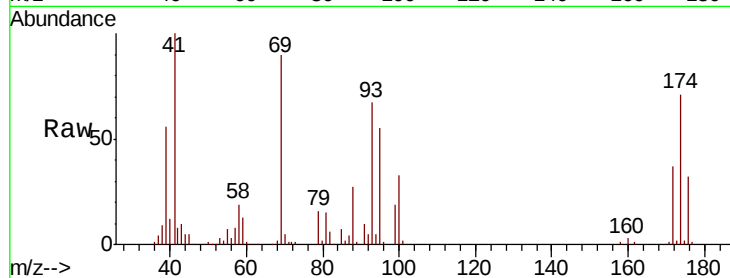
#49
 1,4-Dioxane
 Concen: 393.62 ug/l
 RT: 9.20 min Scan# 2368
 Delta R.T. -0.00 min
 Lab File: VN050402.D
 Acq: 6 Aug 2018 23:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.5	26.9	40.3
58	68.8	57.3	85.9

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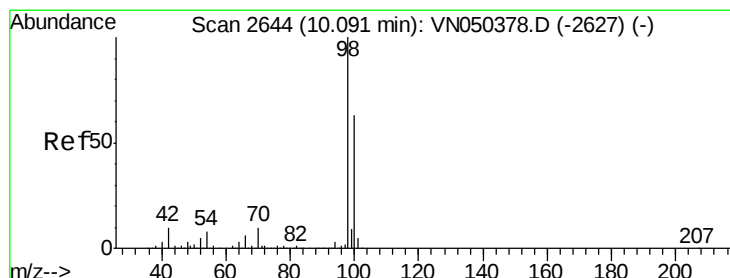
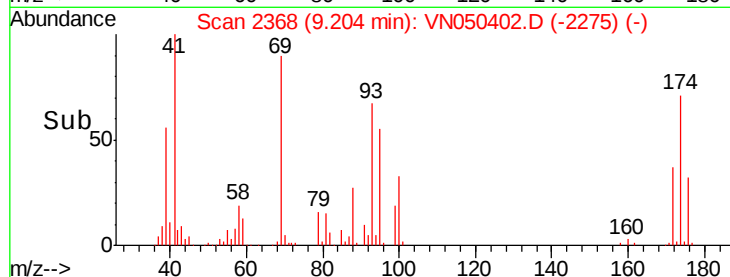
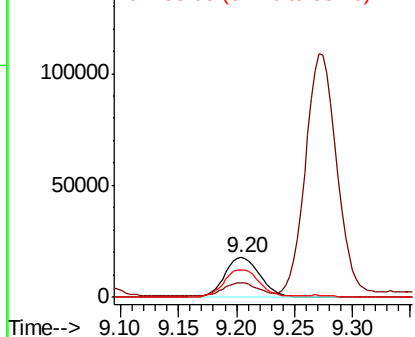


Abundance

Ion 88.00 (87.70 to 88.70): VN0

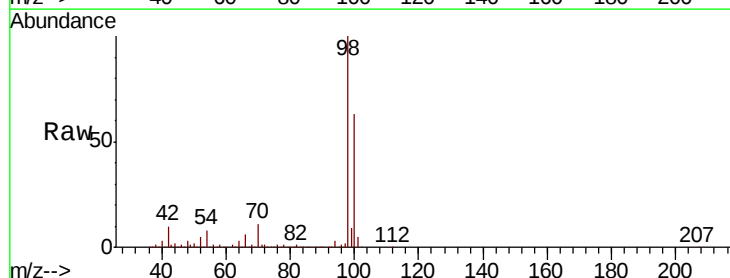
Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50
 Toluene-d8
 Concen: 50.33 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. -0.00 min
 Lab File: VN050402.D
 Acq: 6 Aug 2018 23:44

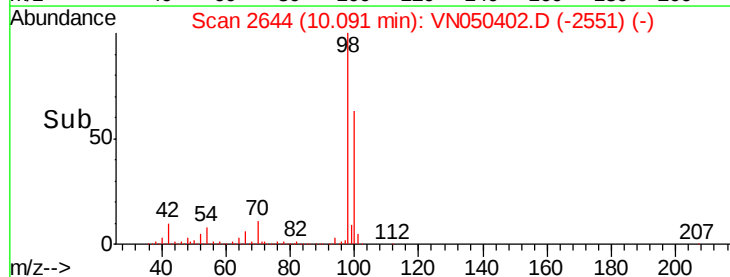
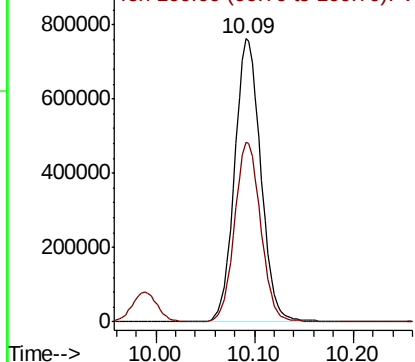
Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.4	50.7	76.1

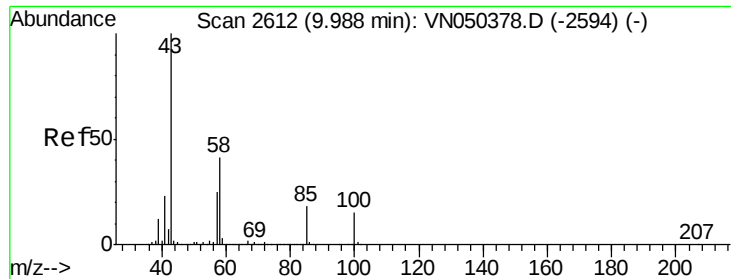


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





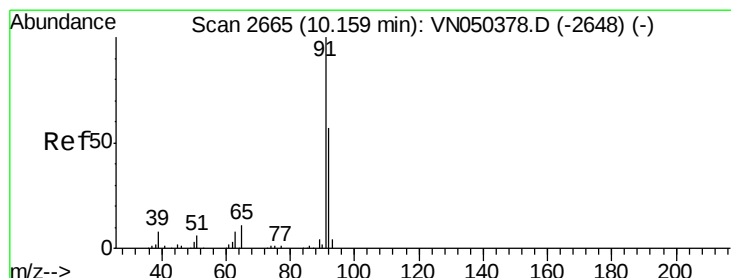
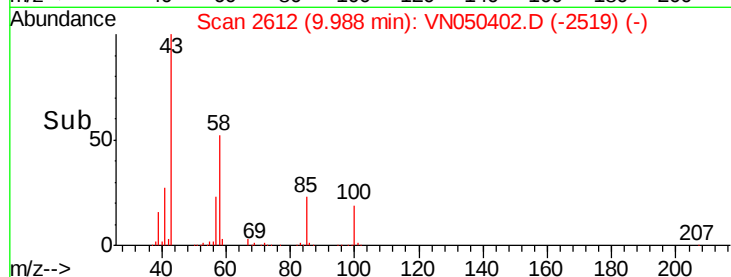
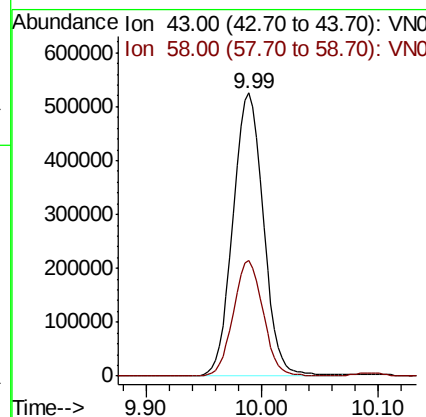
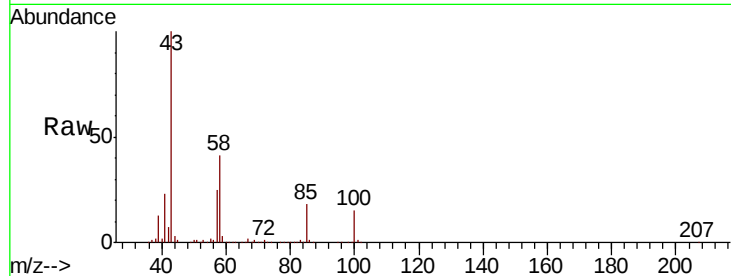
#51
 4-Methyl-2-Pentanone
 Concen: 104.85 ug/l
 RT: 9.99 min Scan# 2612
 Delta R.T. -0.00 min
 Lab File: VN050402.D
 Acq: 6 Aug 2018 23:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.0	31.9	47.9

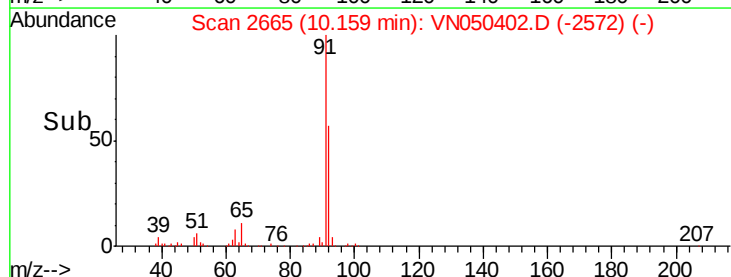
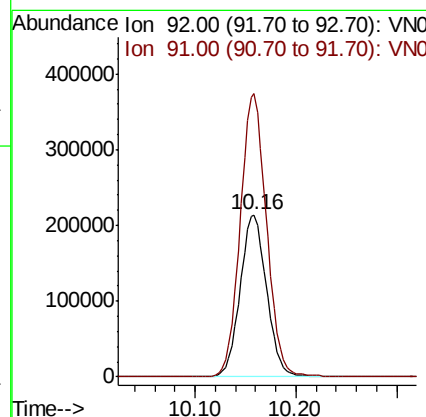
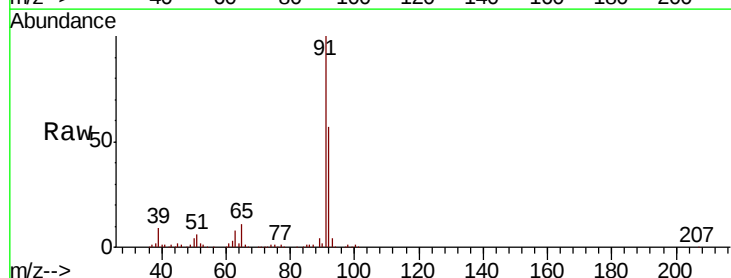
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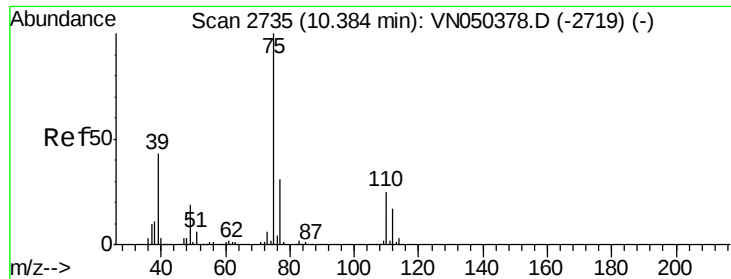
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#52
 Toluene
 Concen: 20.79 ug/l
 RT: 10.16 min Scan# 2665
 Delta R.T. -0.00 min
 Lab File: VN050402.D
 Acq: 6 Aug 2018 23:44

Tgt Ion	Ratio	Lower	Upper
92	100		
91	174.2	140.3	210.5





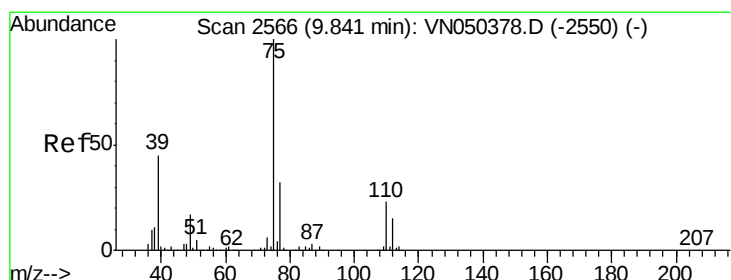
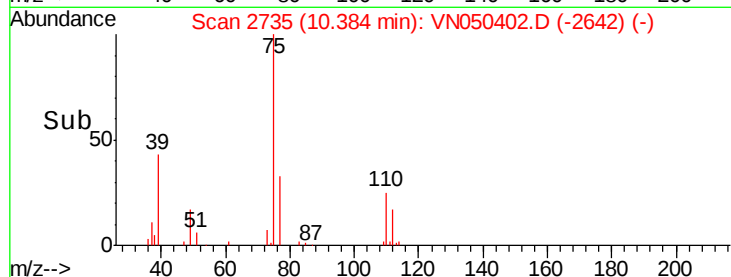
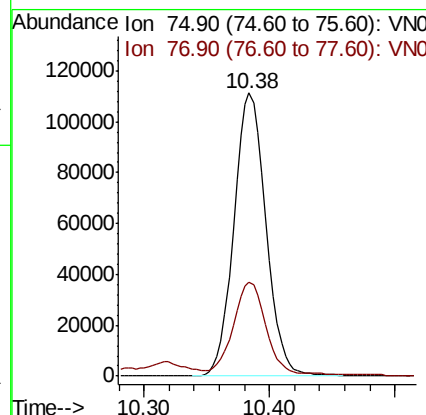
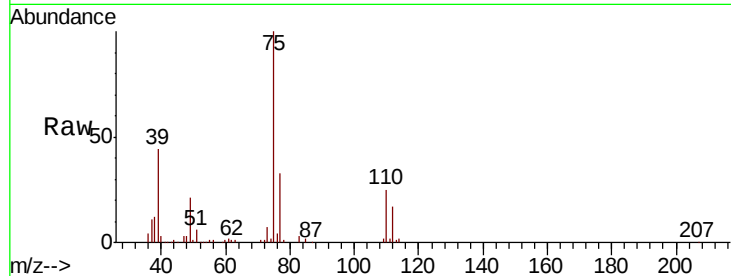
#53
t-1,3-Dichloropropene
Concen: 18.72 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. -0.00 min
Lab File: VN050402.D
Acq: 6 Aug 2018 23:44

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBS02

Tot Ion: 75 Resp: 197240
Ion Ratio Lower Upper
75 100
77 32.6 24.9 37.3

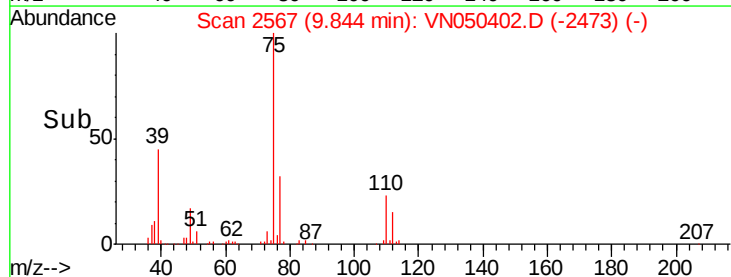
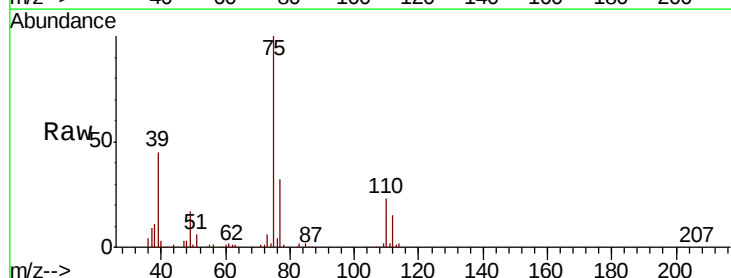
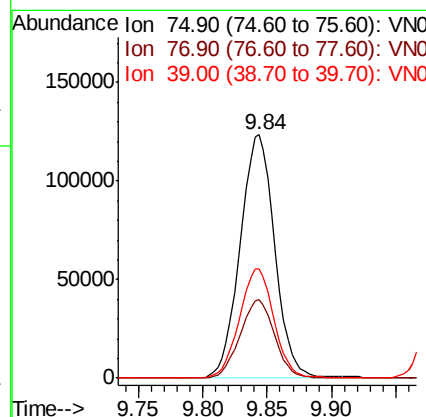
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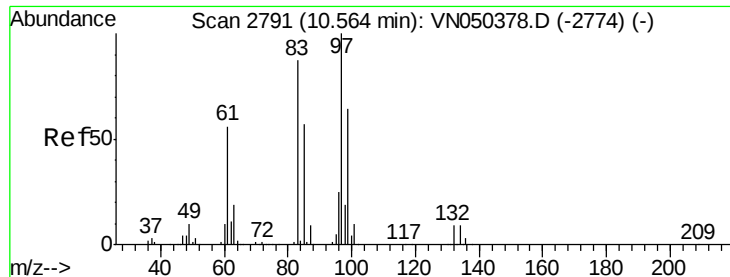
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 19.61 ug/l
RT: 9.84 min Scan# 2567
Delta R.T. 0.00 min
Lab File: VN050402.D
Acq: 6 Aug 2018 23:44

Tgt Ion: 75 Resp: 230651
Ion Ratio Lower Upper
75 100
77 32.4 25.5 38.3
39 45.1 36.6 55.0





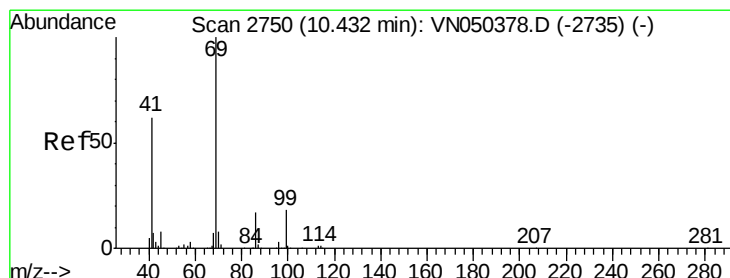
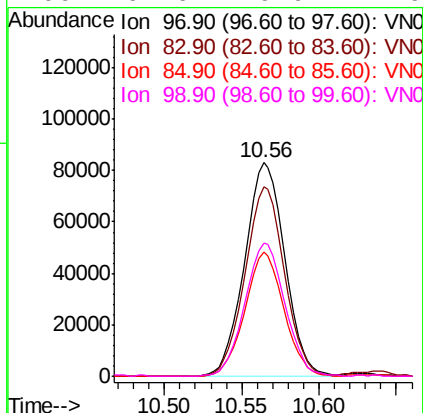
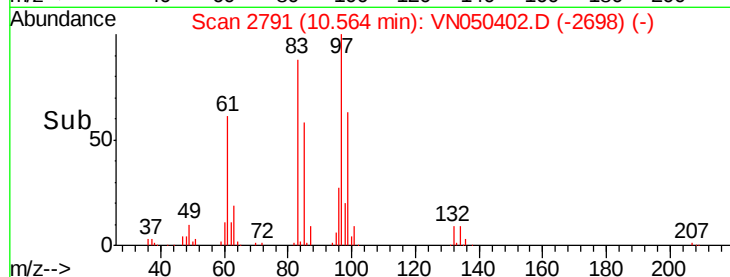
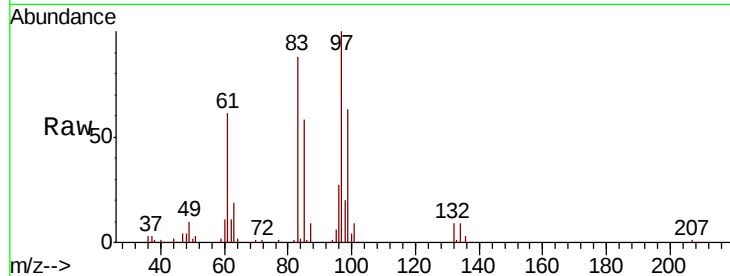
#55
 1,1,2-Trichloroethane
 Concen: 20.53 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050402.D
 Acq: 6 Aug 2018 23:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		150264		
83	88.4	69.2	103.8		
85	58.3	44.0	66.0		
99	62.6	49.9	74.9		

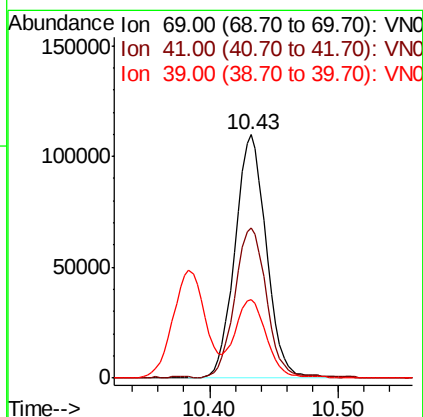
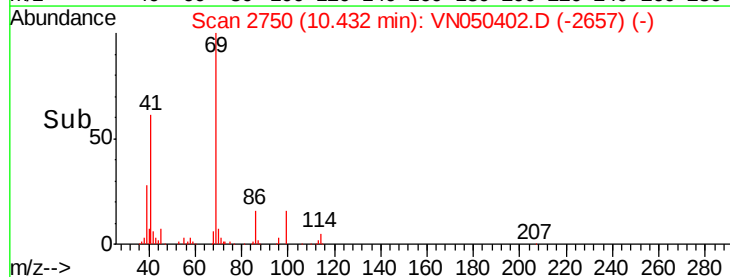
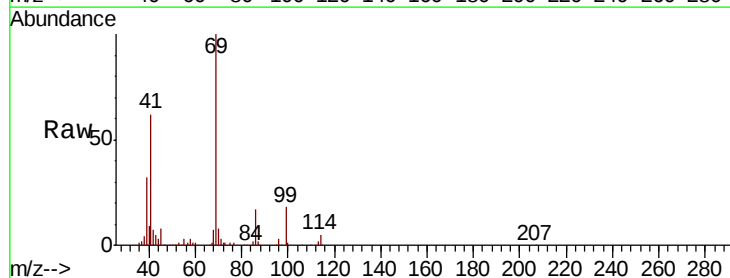
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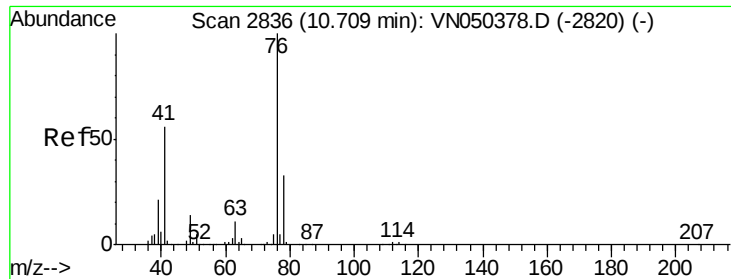
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#56
 Ethyl methacrylate
 Concen: 18.99 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN050402.D
 Acq: 6 Aug 2018 23:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		185284		
41	62.5	51.0	76.4		
39	31.3	26.6	40.0		





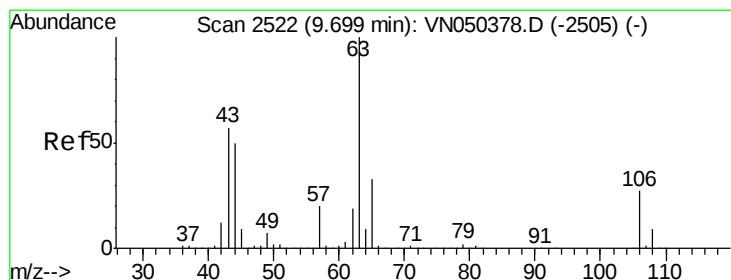
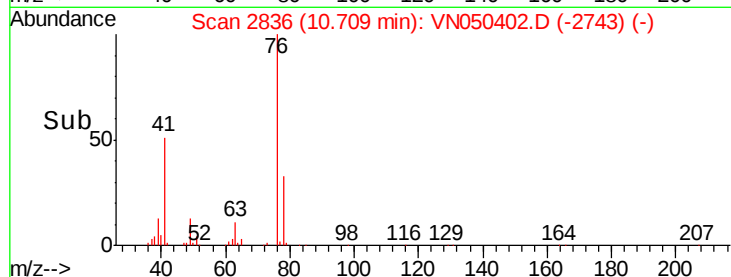
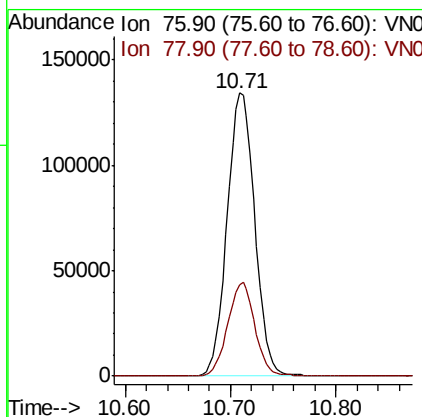
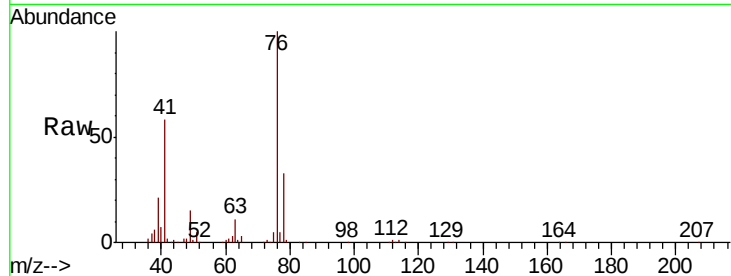
#57
 1,3-Dichloropropane
 Concen: 20.25 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. -0.00 min
 Lab File: VN050402.D
 Acq: 6 Aug 2018 23:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBS02

Tot Ion: 76 Resp: 243260
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.7 38.5

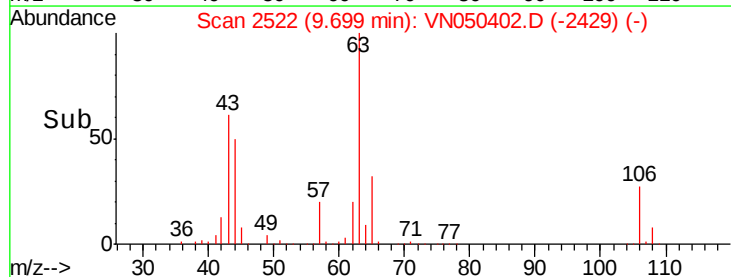
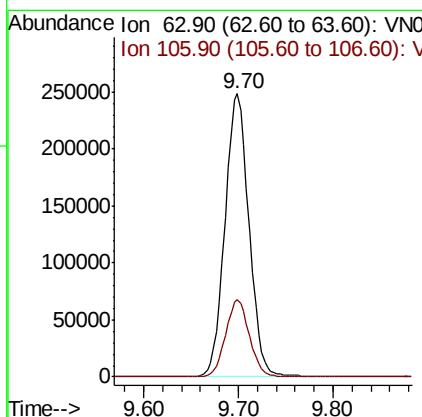
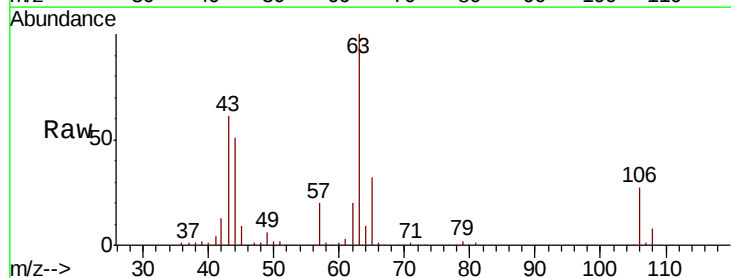
Manual Integrations
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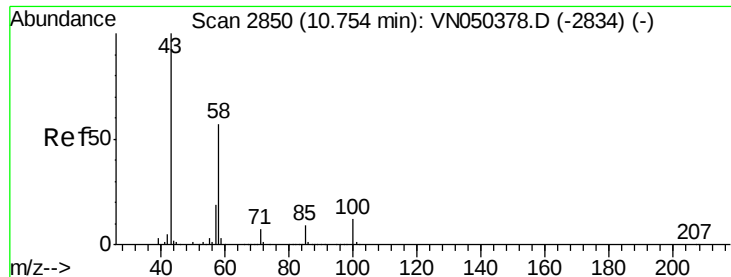
MMDadoda
 8/7/2018 9:59:11 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 95.71 ug/l
 RT: 9.70 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VN050402.D
 Acq: 6 Aug 2018 23:44

Tgt Ion: 63 Resp: 439337
 Ion Ratio Lower Upper
 63 100
 106 27.1 21.7 32.5





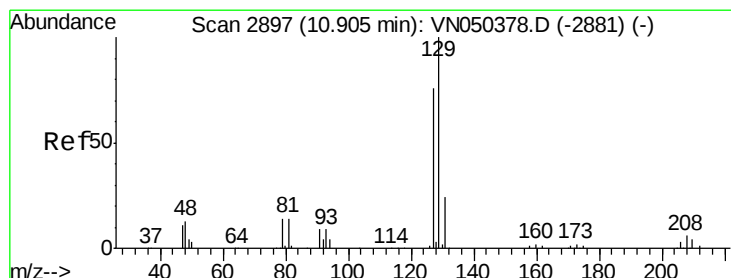
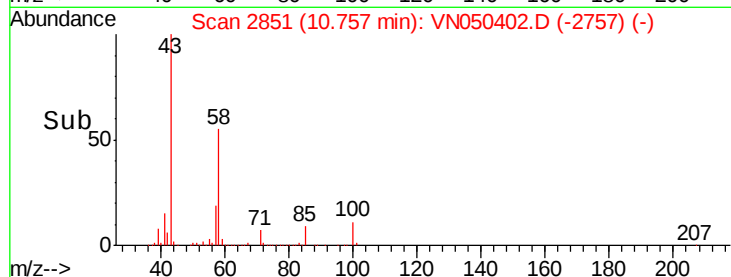
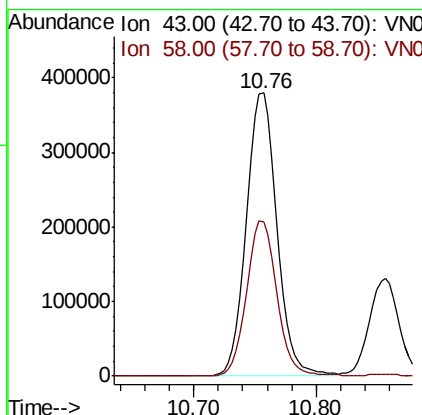
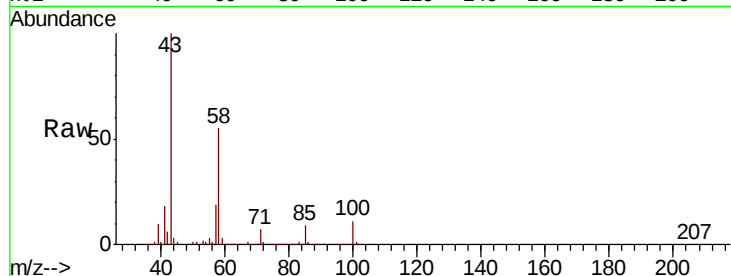
#59
2-Hexanone
Concen: 102.67 ug/l
RT: 10.76 min Scan# 2851
Delta R.T. 0.00 min
Lab File: VN050402.D
Acq: 6 Aug 2018 23:44

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBS02

Tot Ion: 43 Resp: 651203
Ion Ratio Lower Upper
43 100
58 54.6 27.6 82.7

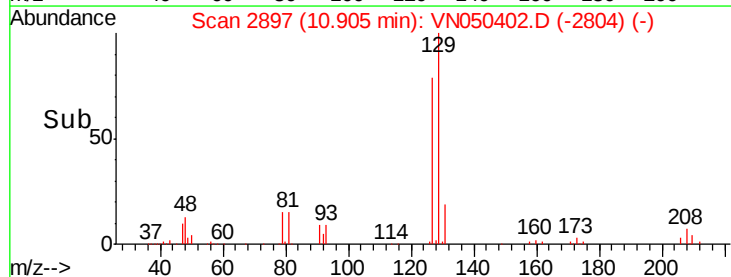
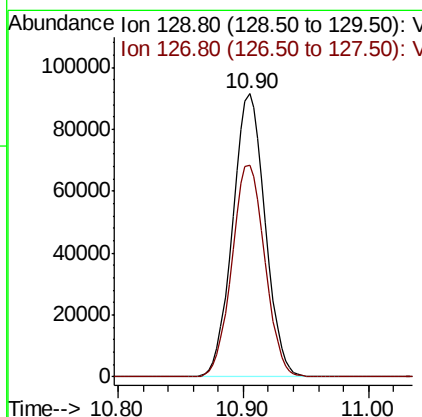
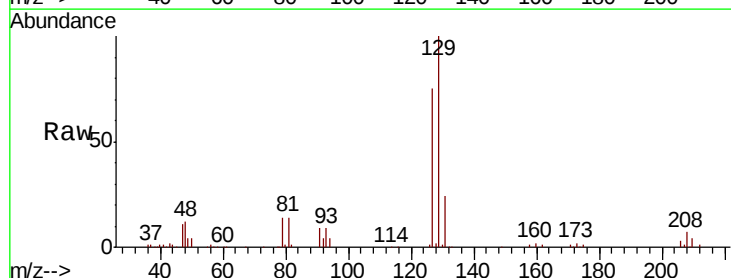
Manual Integrations
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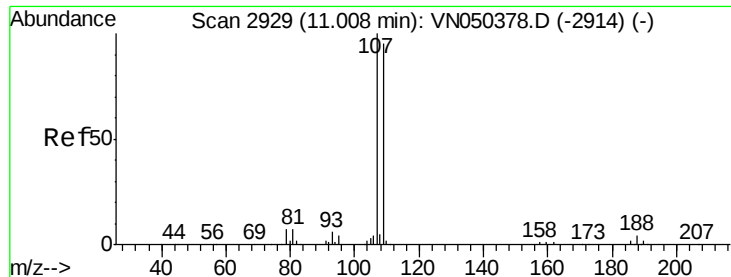
MMDadoda
8/7/2018 9:59:11 AM



#60
Dibromochloromethane
Concen: 20.39 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. -0.00 min
Lab File: VN050402.D
Acq: 6 Aug 2018 23:44

Tgt Ion: 129 Resp: 164395
Ion Ratio Lower Upper
129 100
127 76.0 38.0 113.9





#61

1,2-Dibromoethane

Concen: 20.09 ug/l

RT: 11.01 min Scan# 2930

Delta R.T. 0.00 min

Lab File: VN050402.D

Acq: 6 Aug 2018 23:44

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBS02

Tot Ion: 107 Resp: 144895

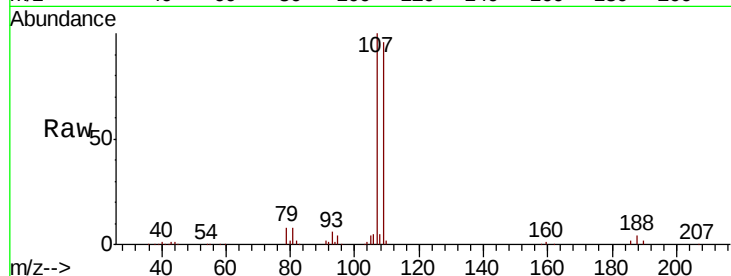
Ion Ratio Lower Upper

107 100

109 96.6 74.6 112.0

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

80000

60000

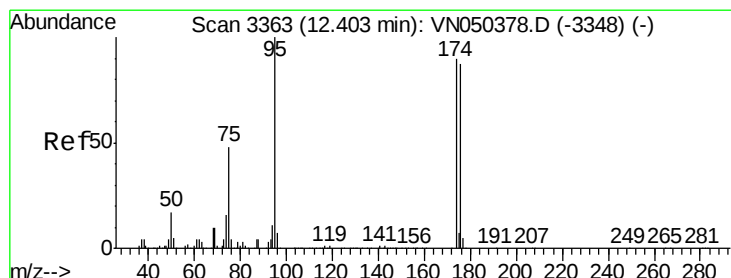
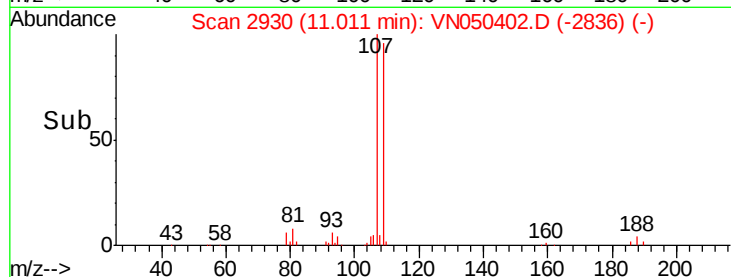
40000

20000

0

11.01

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 47.76 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN050402.D

Acq: 6 Aug 2018 23:44

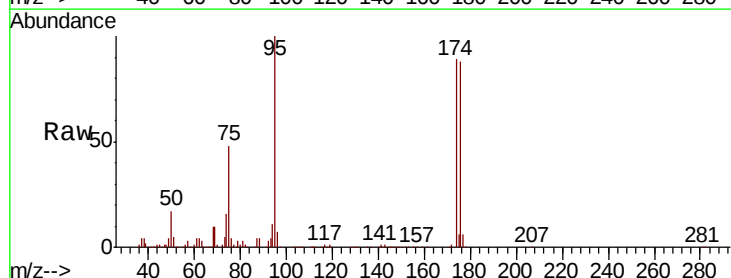
Tgt Ion: 95 Resp: 453681

Ion Ratio Lower Upper

95 100

174 90.0 0.0 178.2

176 87.5 0.0 173.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

300000

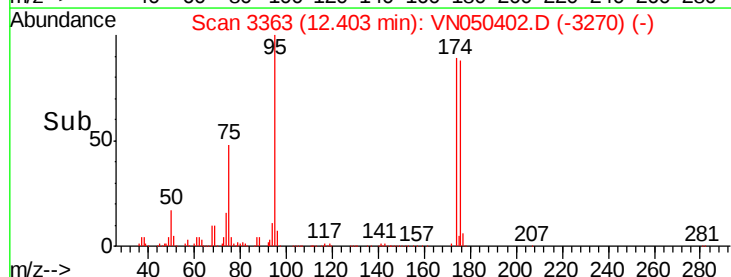
200000

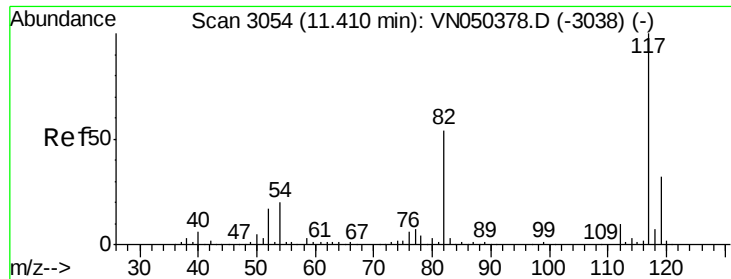
100000

0

12.40

Time--> 12.35 12.40 12.45 12.50





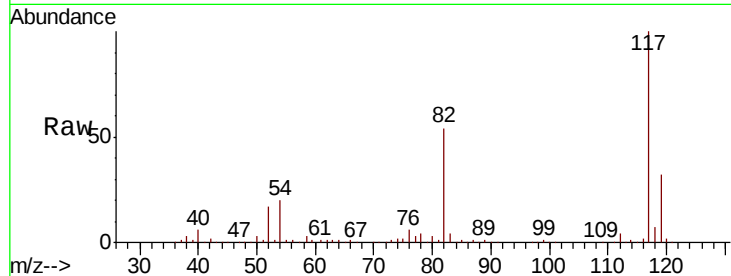
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050402.D
Acq: 6 Aug 2018 23:44

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	43.7	65.5
119	32.0	26.1	39.1

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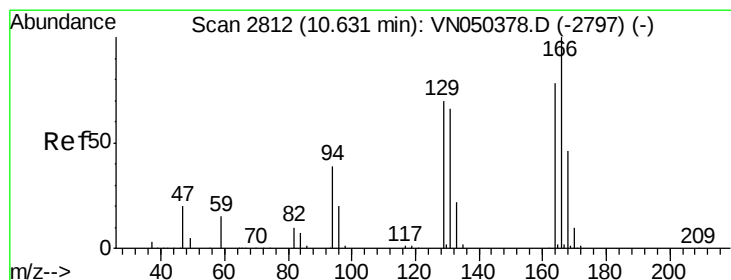
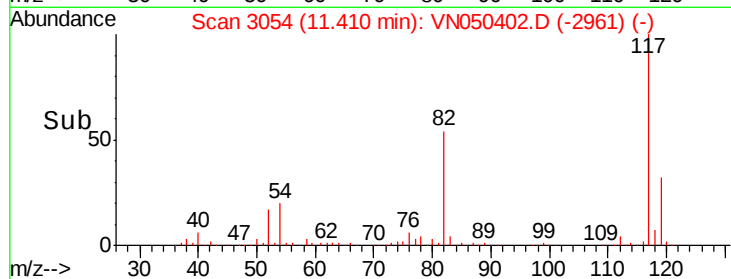
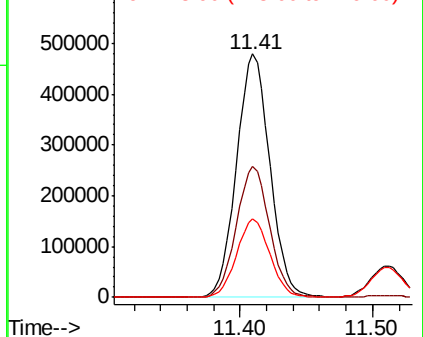


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 20.31 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN050402.D
Acq: 6 Aug 2018 23:44

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.3	102.1	153.1
129	92.4	73.2	109.8
131	87.2	70.6	106.0

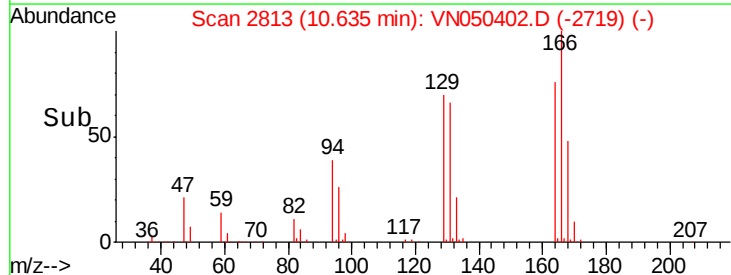
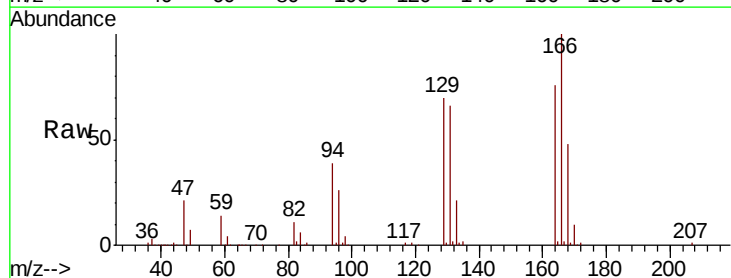
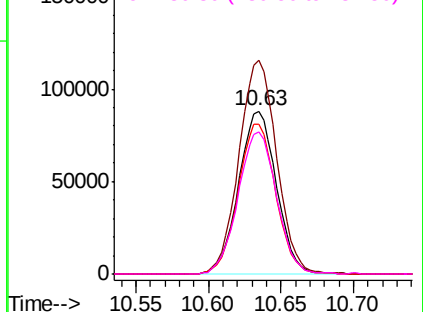
Abundance

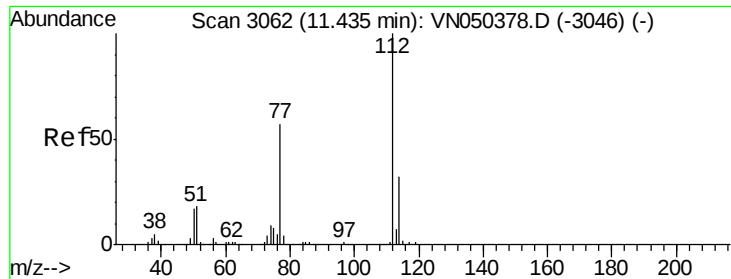
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





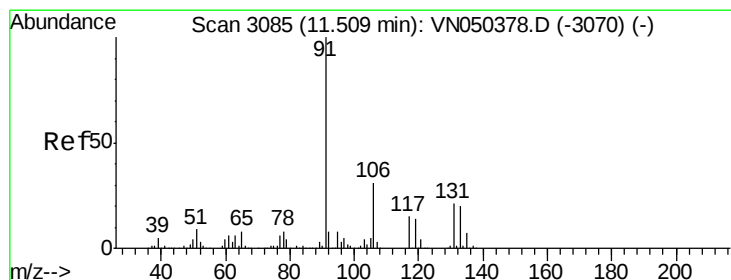
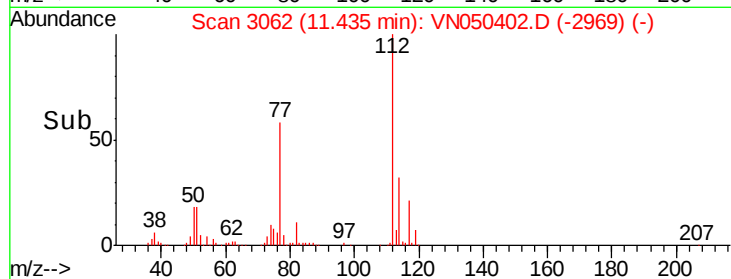
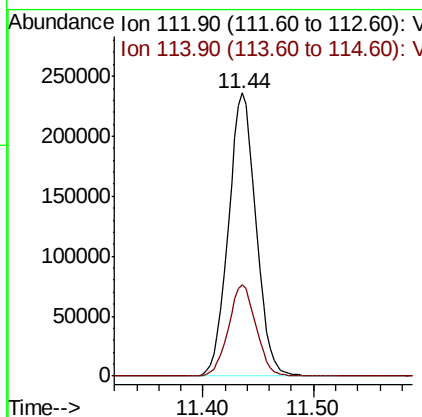
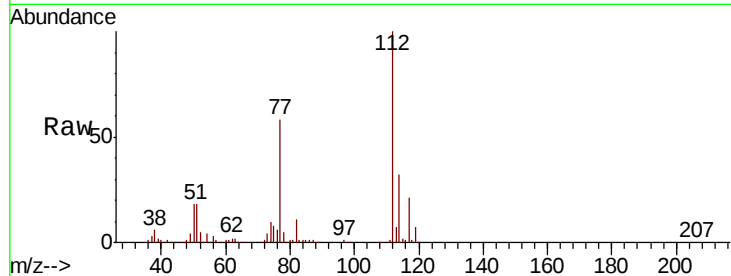
#65
Chlorobenzene
Concen: 19.47 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN050402.D
Acq: 6 Aug 2018 23:44

Instrument :
MSVOA_N
ClientSampled :
VN0806WBS02

Tot Ion	Ratio	Resp	Lower	Upper
112	100	408551		
114	32.1	25.6	38.4	

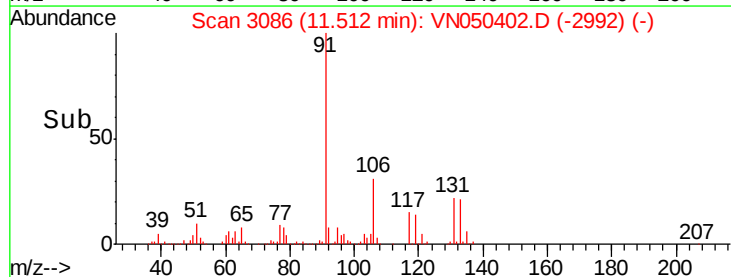
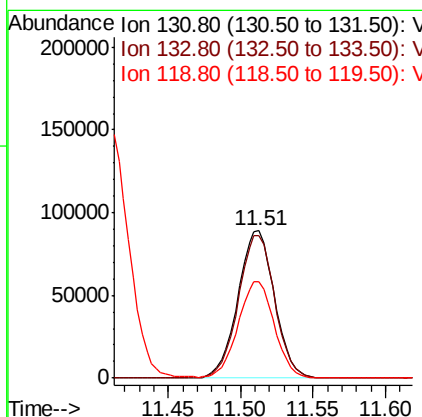
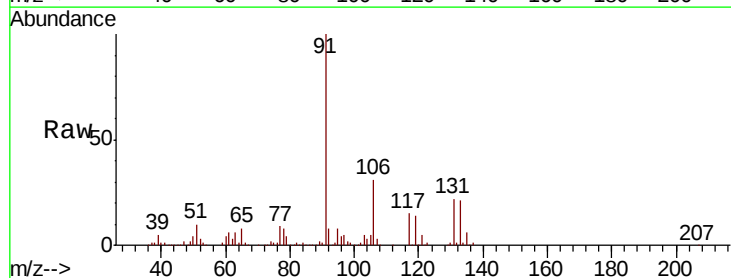
Manual Integrations
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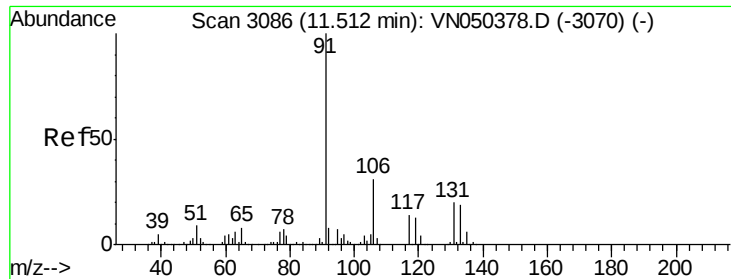
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.44 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050402.D
Acq: 6 Aug 2018 23:44

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	156149		
133	96.2	47.3	141.9	
119	65.0	32.9	98.7	





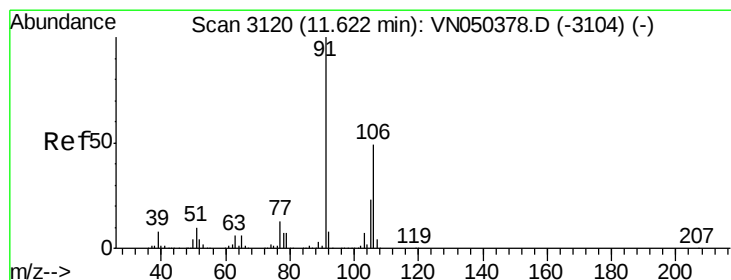
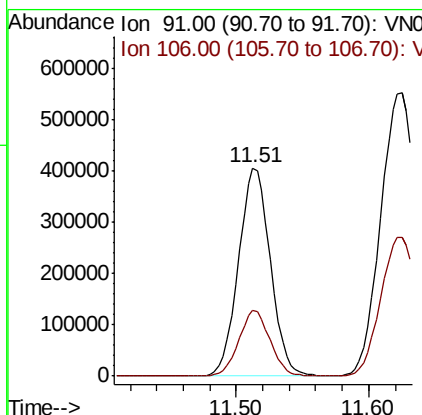
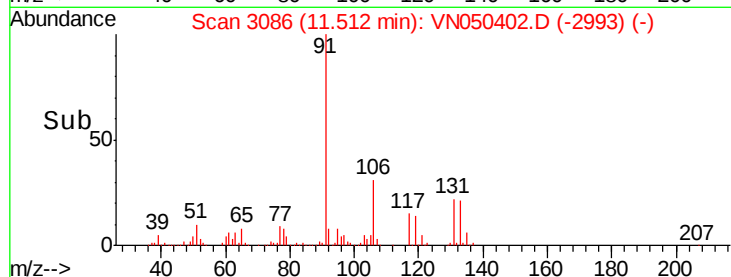
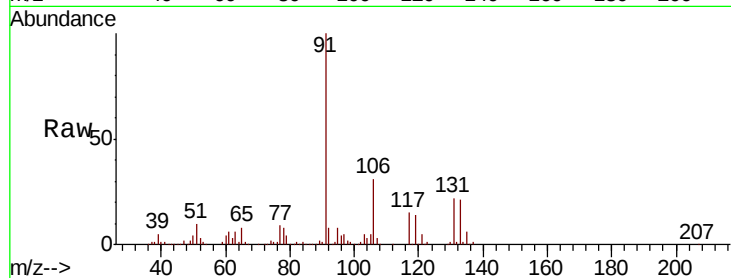
#67
Ethyl Benzene
Concen: 19.98 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VN050402.D
Acq: 6 Aug 2018 23:44

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBS02

Tot Ion: 91 Resp: 677832
Ion Ratio Lower Upper
91 100
106 31.5 25.0 37.4

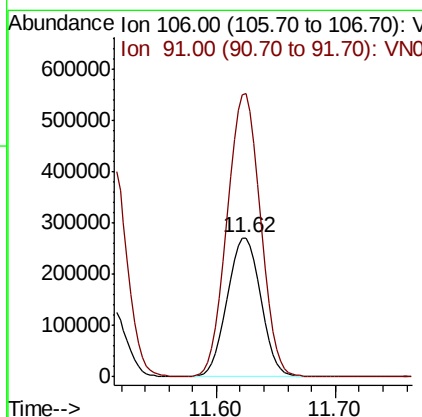
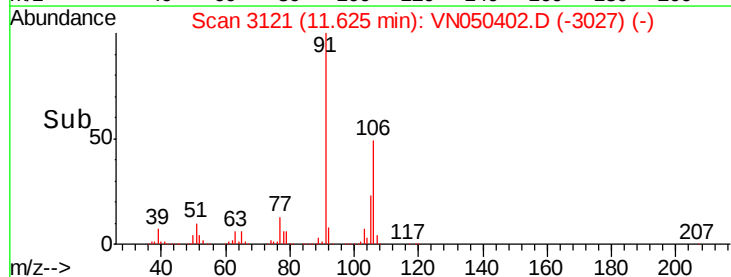
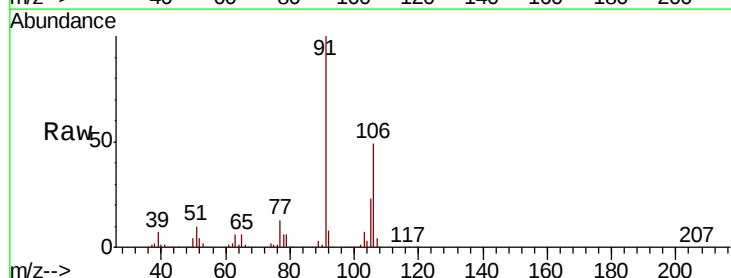
Manual Integrations
APPROVED

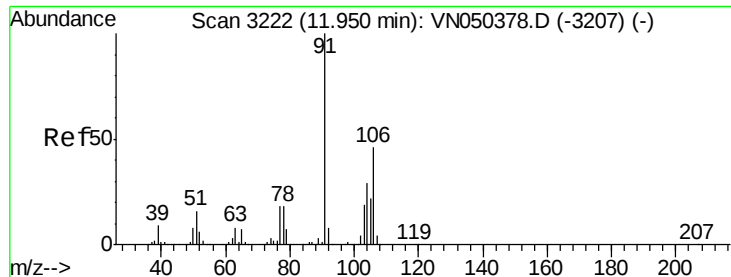
MMDadoda
8/7/2018 9:59:11 AM



#68
m/p-Xylenes
Concen: 41.31 ug/l
RT: 11.62 min Scan# 3121
Delta R.T. 0.00 min
Lab File: VN050402.D
Acq: 6 Aug 2018 23:44

Tgt Ion: 106 Resp: 533460
Ion Ratio Lower Upper
106 100
91 201.7 162.2 243.2





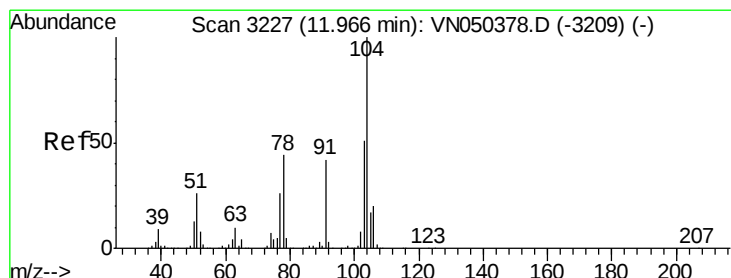
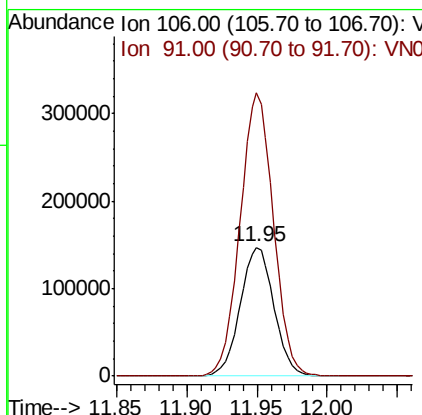
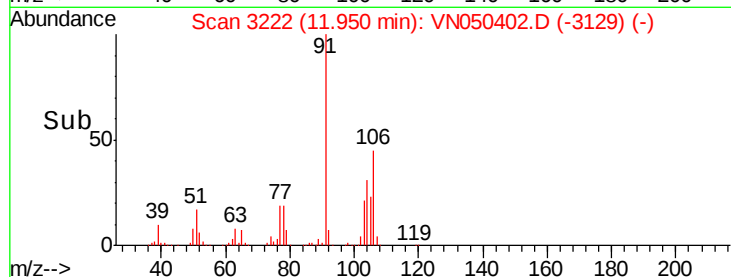
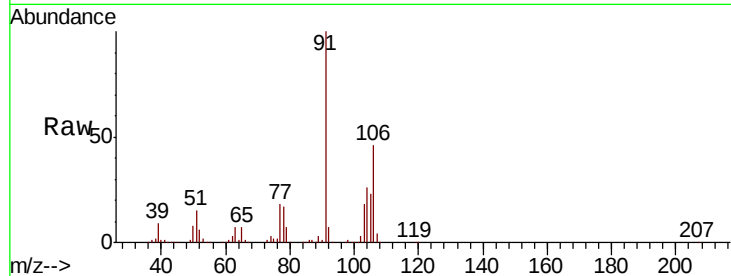
#69
o-Xylene
Concen: 19.84 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN050402.D
Acq: 6 Aug 2018 23:44

Instrument :
MSVOA_N
ClientSampled :
VN0806WBS02

Tot Ion	Ratio	Lower	Upper
106	100		
91	217.4	107.7	323.1

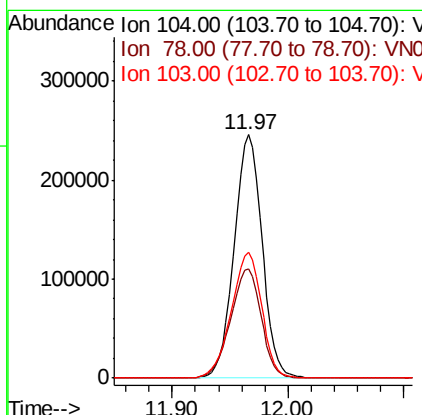
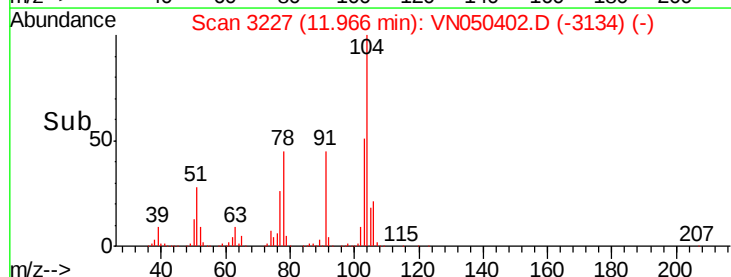
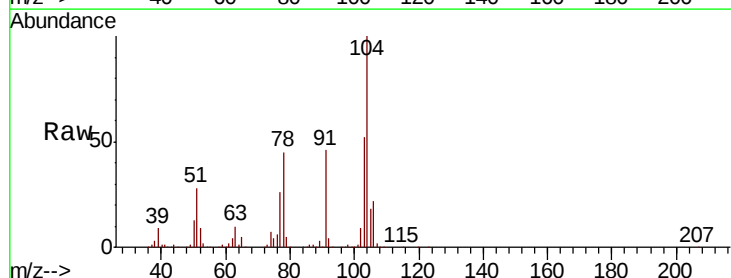
Manual Integrations
APPROVED

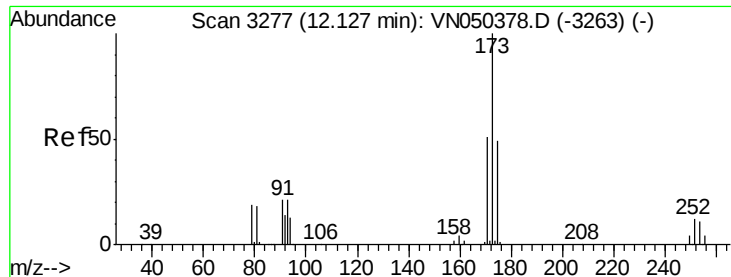
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#70
Styrene
Concen: 20.30 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. -0.00 min
Lab File: VN050402.D
Acq: 6 Aug 2018 23:44

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.2	39.3	58.9
103	56.2	45.0	67.6





#71

Bromoform

Concen: 20.62 ug/l

RT: 12.13 min Scan# 3278

Delta R.T. 0.00 min

Lab File: VN050402.D

Acq: 6 Aug 2018 23:44

Instrument :

MSVOA_N

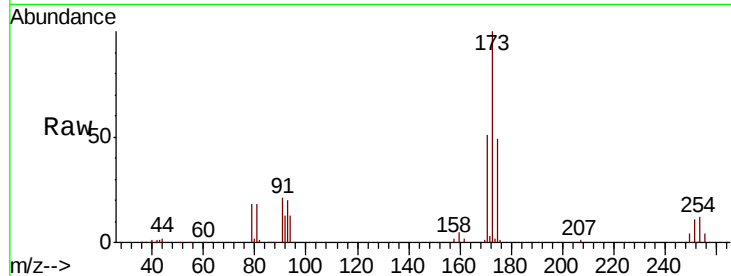
ClientSampled :

VN0806WBS02

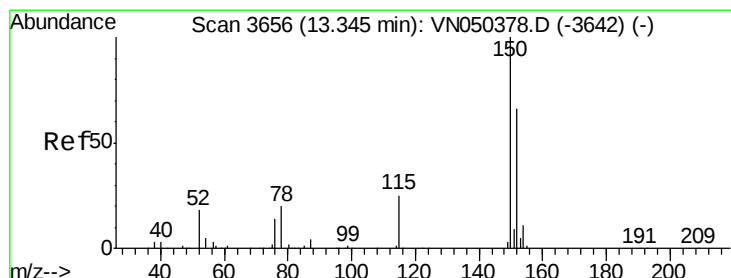
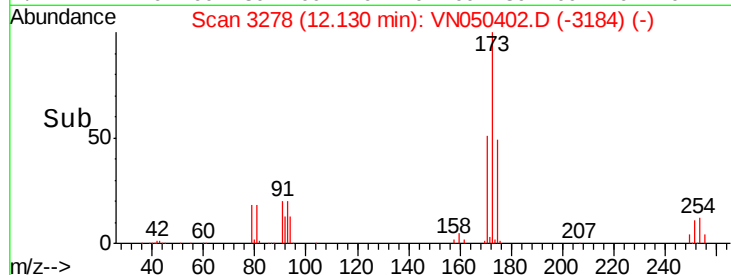
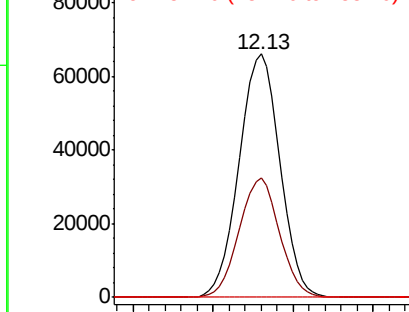
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.1	72.2
254	0.0	0.2	0.2

Manual Integrations
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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

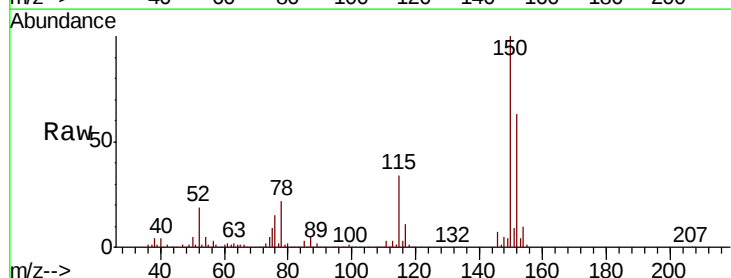
RT: 13.35 min Scan# 3656

Delta R.T. -0.00 min

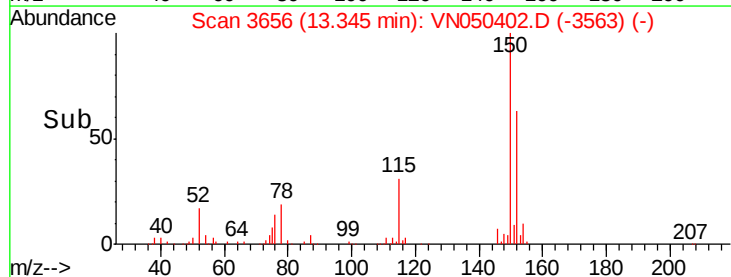
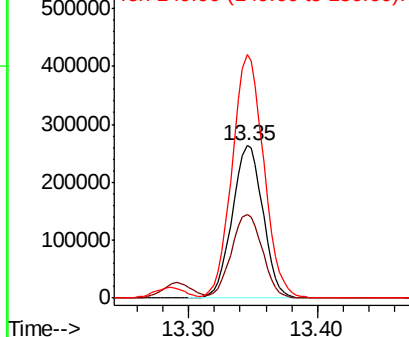
Lab File: VN050402.D

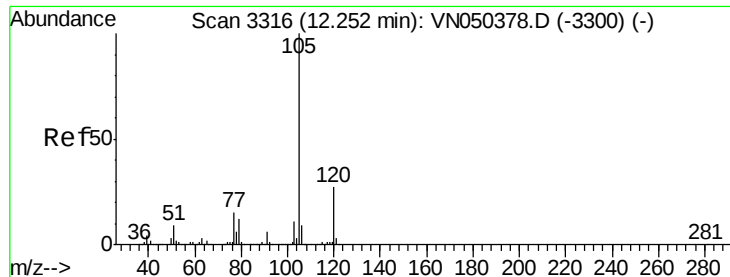
Acq: 6 Aug 2018 23:44

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.9	27.8	83.3
150	164.8	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: 20.18 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. -0.00 min

Lab File: VN050402.D

Acq: 6 Aug 2018 23:44

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBS02

Tot Ion:105 Resp: 657794

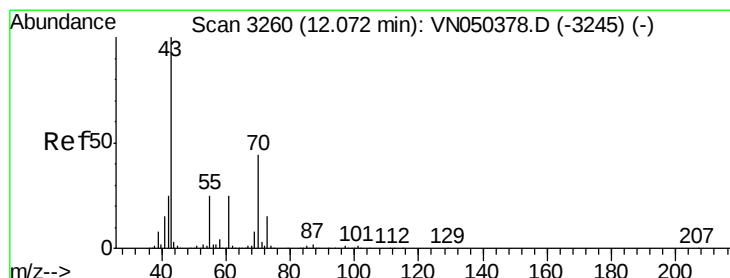
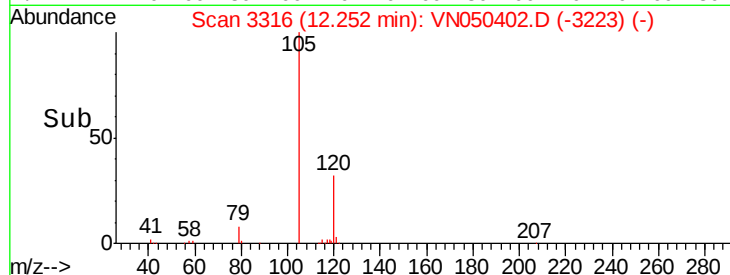
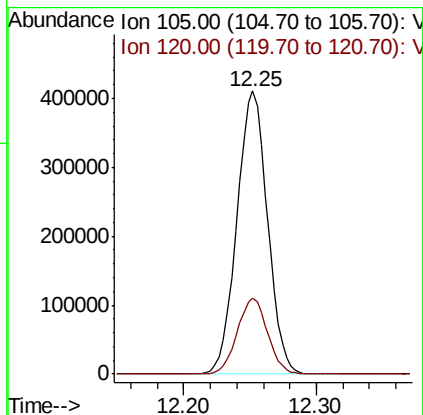
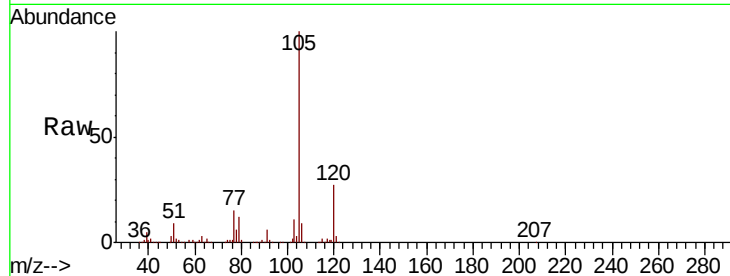
Ion Ratio Lower Upper

105 100

120 26.6 13.3 39.8

Manual Integrations
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MMDadoda
8/7/2018 9:59:11 AM



#74

N-ethyl acetate

Concen: 20.09 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN050402.D

Acq: 6 Aug 2018 23:44

Tgt Ion: 43 Resp: 212291

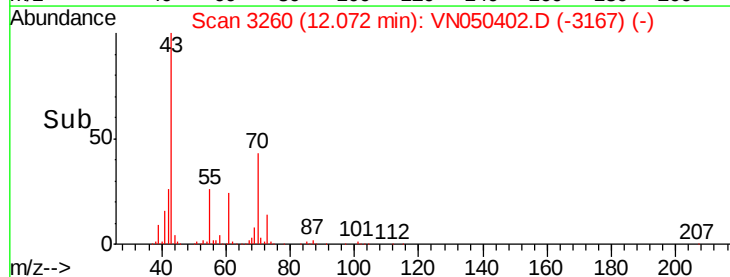
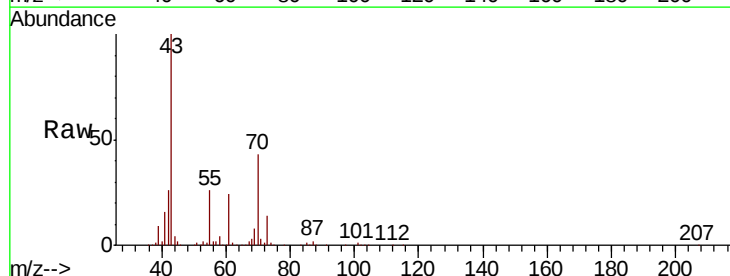
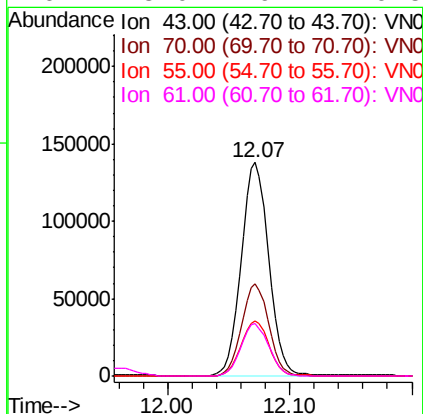
Ion Ratio Lower Upper

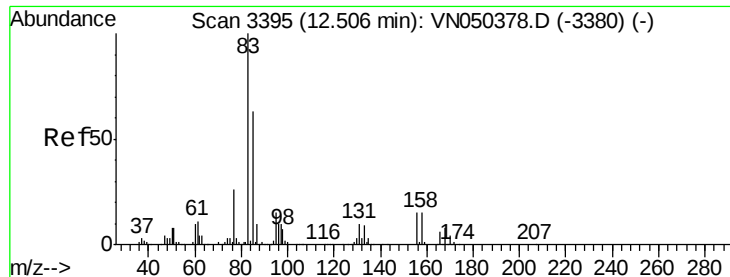
43 100

70 43.0 34.4 51.6

55 26.2 20.8 31.2

61 25.0 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.80 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. -0.00 min

Lab File: VN050402.D

Acq: 6 Aug 2018 23:44

Instrument :

MSVOA_N

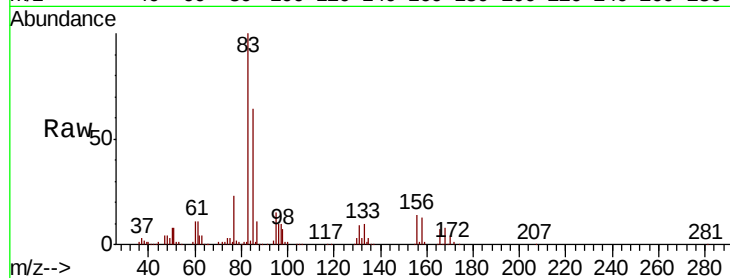
ClientSampleId :

VN0806WBS02

Tot Ion:	83	Resp:	195609
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.1	15.3
85	63.4	32.3	96.8

Manual Integrations
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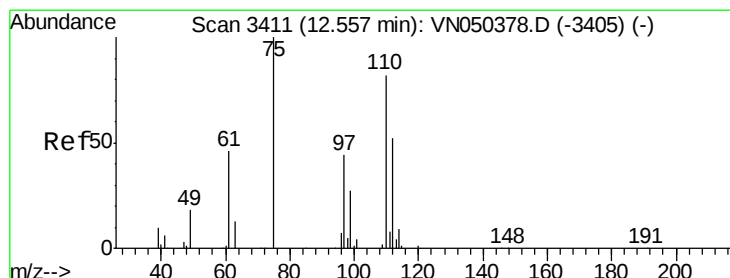
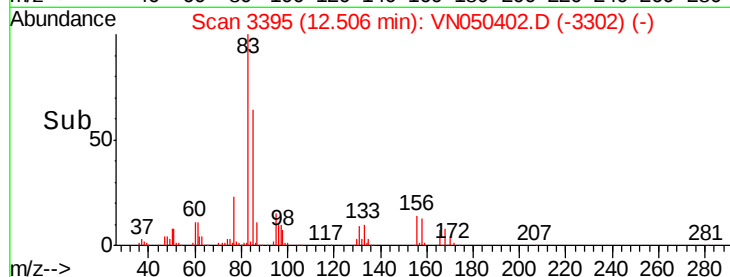
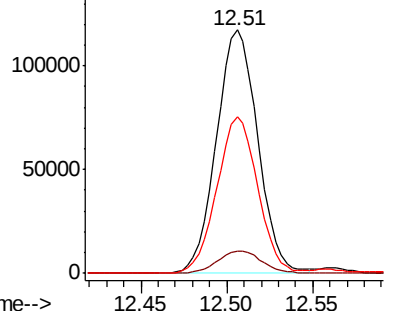
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Abundance Ion 82.90 (82.60 to 83.60): VN050402.D (-3302) (-)

Ion 130.80 (130.50 to 131.50): VN050402.D (-3302) (-)

Ion 84.90 (84.60 to 85.60): VN050402.D (-3302) (-)



#76

1,2,3-Trichloropropane

Concen: 21.12 ug/l m

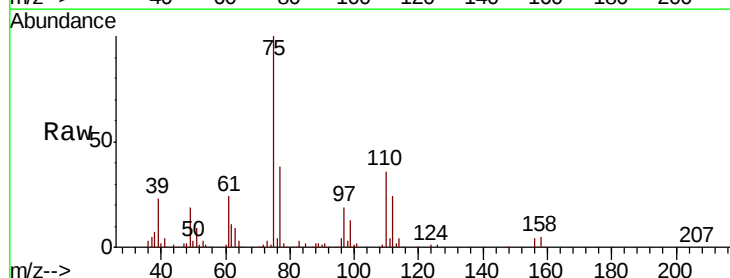
RT: 12.56 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN050402.D

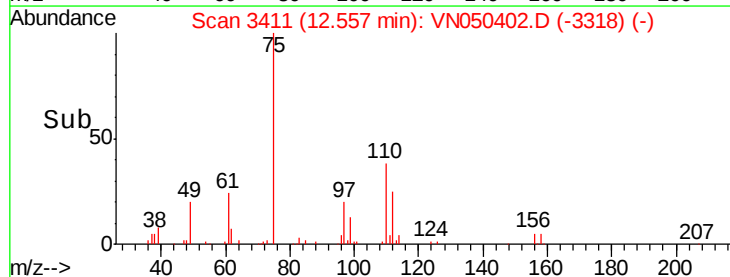
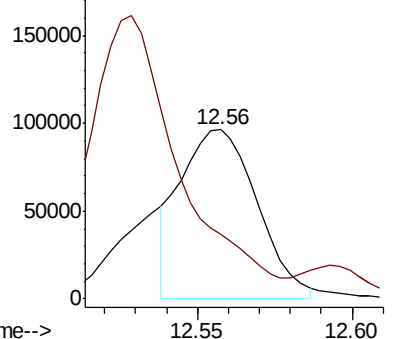
Acq: 6 Aug 2018 23:44

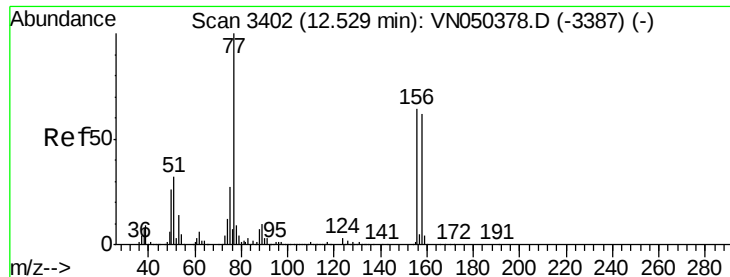
Tgt Ion:	75	Resp:	166014
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN050402.D (-3318) (-)

Ion 77.00 (76.70 to 77.70): VN050402.D (-3318) (-)





#77

Bromobenzene

Concen: 20.37 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. -0.00 min

Lab File: VN050402.D

Acq: 6 Aug 2018 23:44

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBS02

Tot Ion:156 Resp: 177835

Ion Ratio Lower Upper

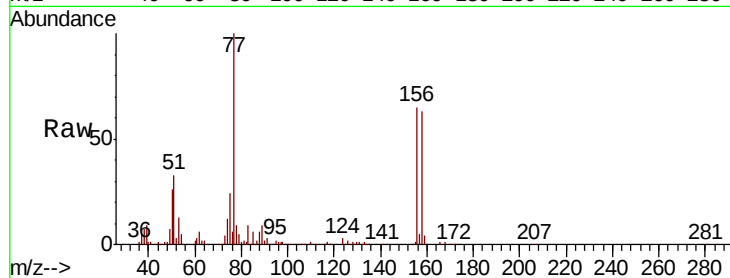
156 100

77 184.5 91.7 275.1

158 96.7 48.9 146.6

Manual Integrations
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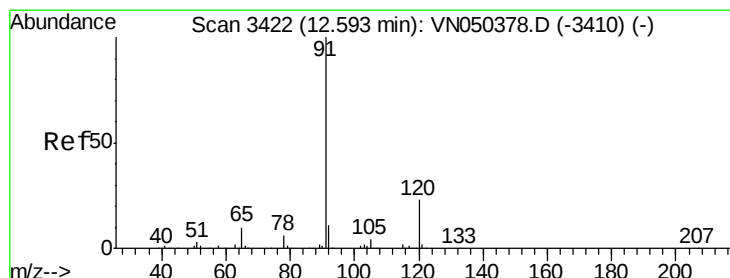
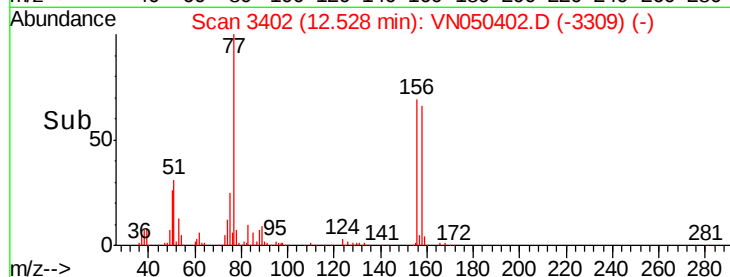
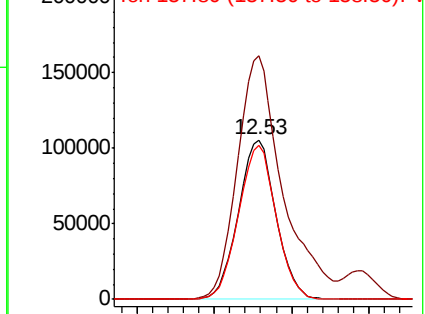
MMDadoda
8/7/2018 9:59:11 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.51 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN050402.D

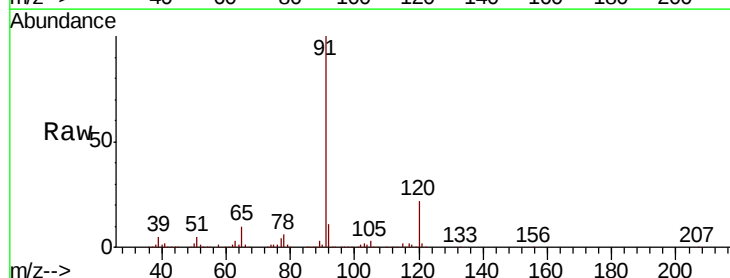
Acq: 6 Aug 2018 23:44

Tgt Ion: 91 Resp: 756727

Ion Ratio Lower Upper

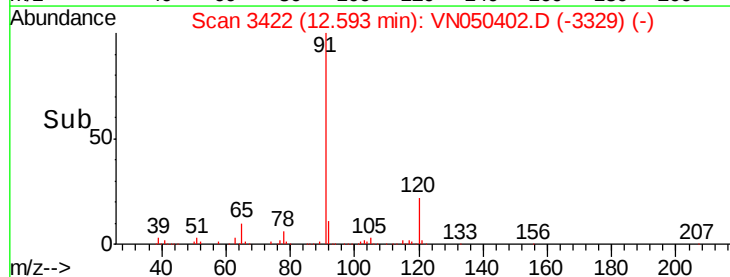
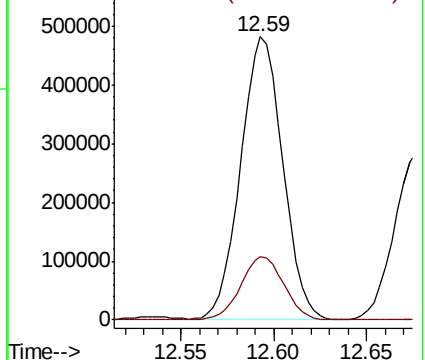
91 100

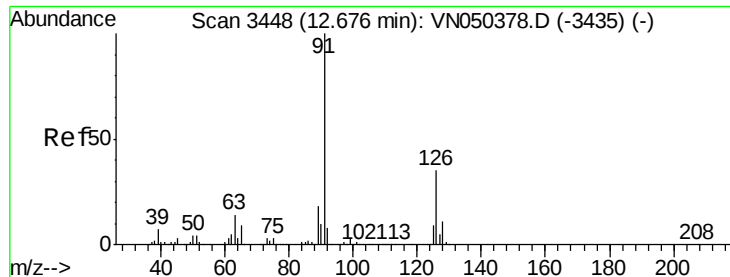
120 22.8 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.29 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN050402.D

Acq: 6 Aug 2018 23:44

Instrument :

MSVOA_N

ClientSampled :

VN0806WBS02

Tot Ion: 91 Resp: 462291

Ion Ratio Lower Upper

91 100

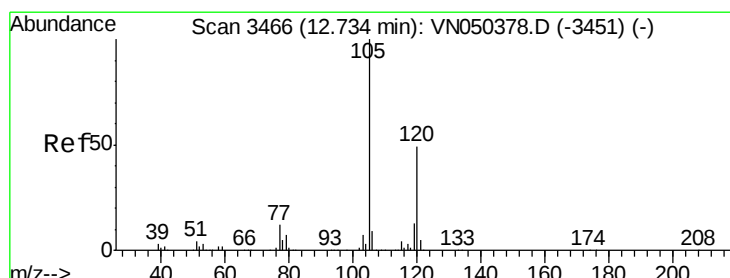
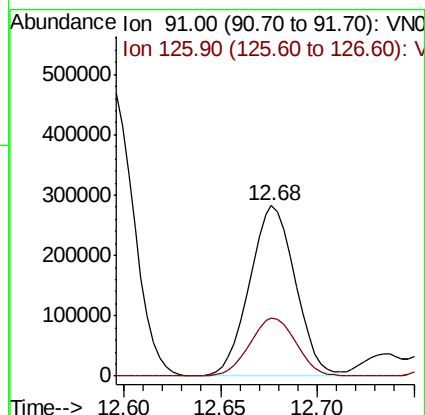
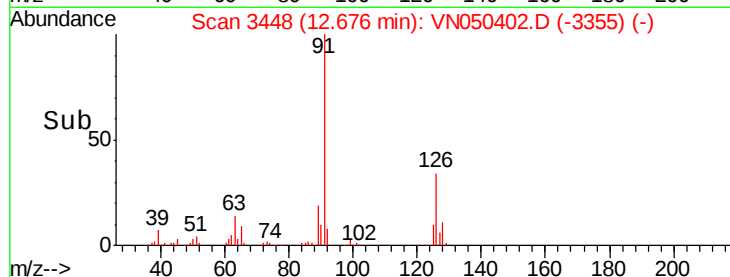
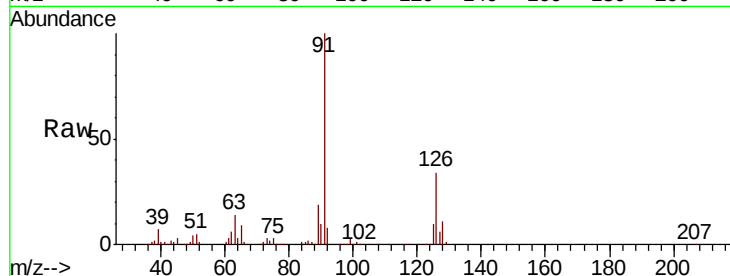
126 34.9 17.6 52.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.77 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN050402.D

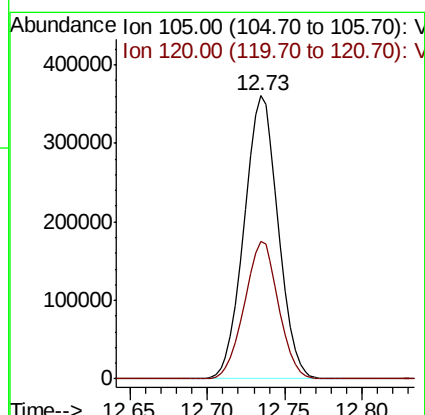
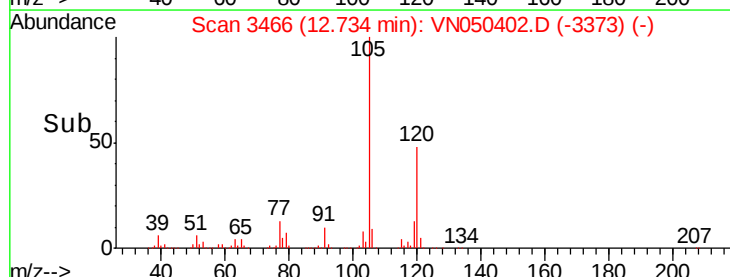
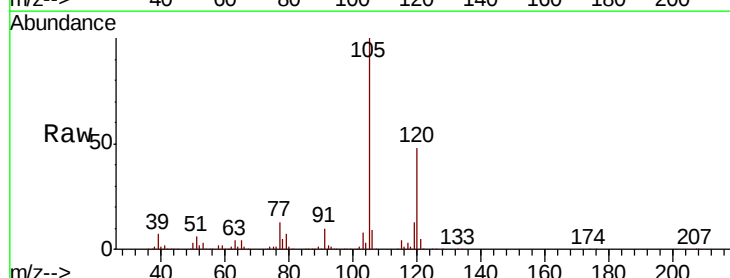
Acq: 6 Aug 2018 23:44

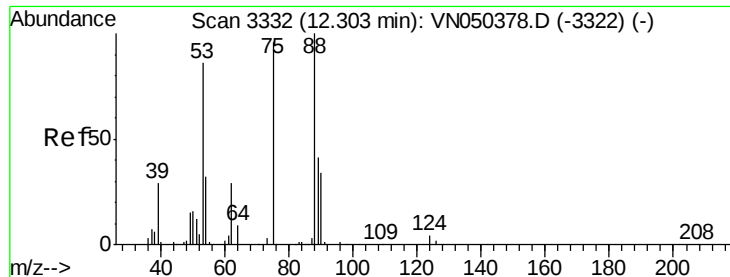
Tgt Ion: 105 Resp: 549687

Ion Ratio Lower Upper

105 100

120 48.8 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 20.26 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. -0.00 min

Lab File: VN050402.D

Acq: 6 Aug 2018 23:44

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBS02

Tot Ion: 75 Resp: 45324

Ion Ratio Lower Upper

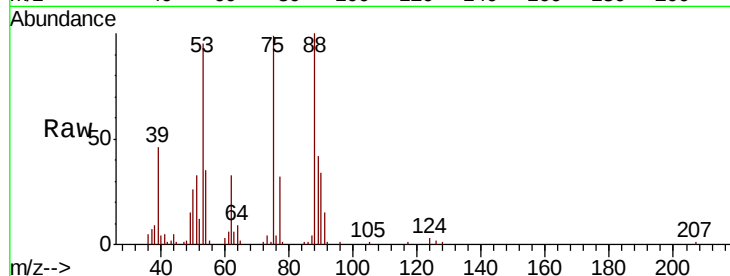
75 100

53 94.0 73.5 110.3

89 44.4 36.0 54.0

Manual Integrations
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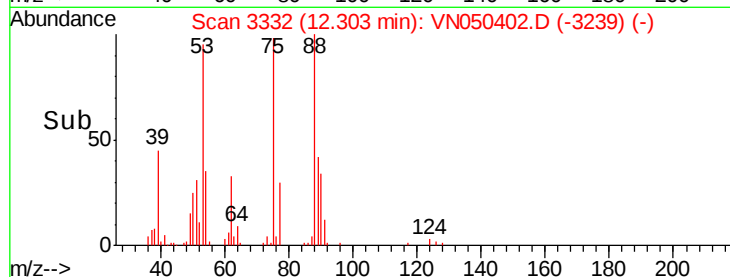


Abundance Ion 74.90 (74.60 to 75.60): VN050378.D (-3322) (-)

Ion 53.00 (52.70 to 53.70): VN050378.D (-3322) (-)

Ion 88.90 (88.60 to 89.60): VN050378.D (-3322) (-)

Time-->

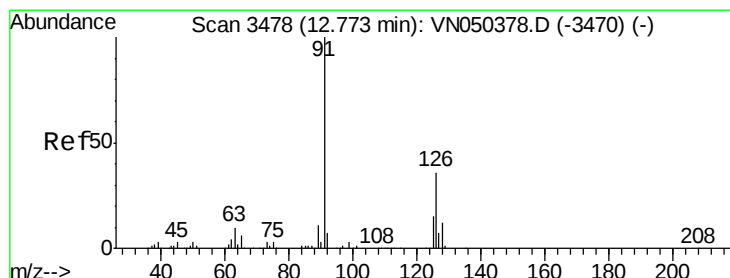


Abundance Ion 74.90 (74.60 to 75.60): VN050402.D (-3239) (-)

Ion 53.00 (52.70 to 53.70): VN050402.D (-3239) (-)

Ion 88.90 (88.60 to 89.60): VN050402.D (-3239) (-)

Time-->



#82

4-Chlorotoluene

Concen: 20.48 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. 0.00 min

Lab File: VN050402.D

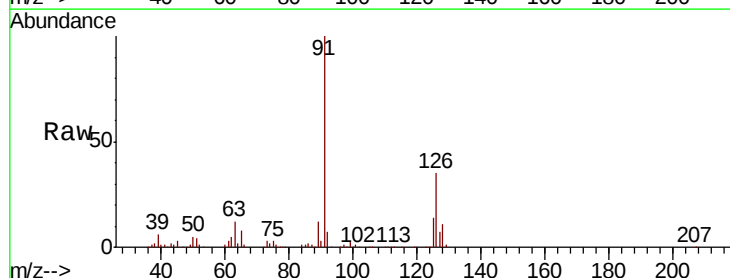
Acq: 6 Aug 2018 23:44

Tgt Ion: 91 Resp: 465477

Ion Ratio Lower Upper

91 100

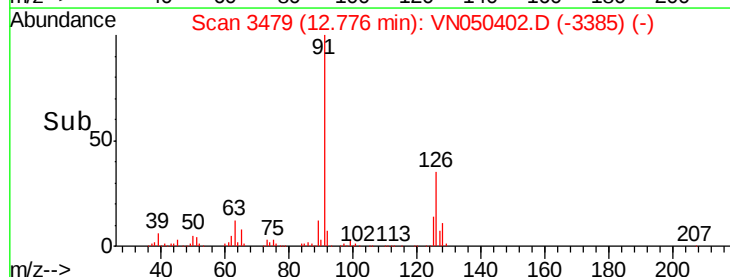
126 34.6 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VN050378.D (-3470) (-)

Ion 125.90 (125.60 to 126.60): VN050378.D (-3470) (-)

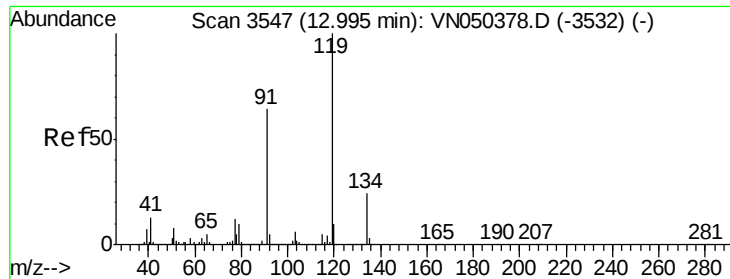
Time-->



Abundance Ion 91.00 (90.70 to 91.70): VN050402.D (-3385) (-)

Ion 125.90 (125.60 to 126.60): VN050402.D (-3385) (-)

Time-->



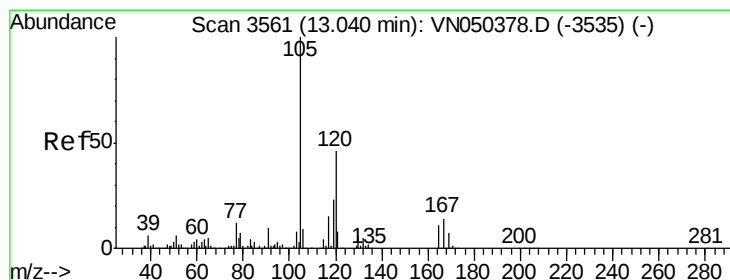
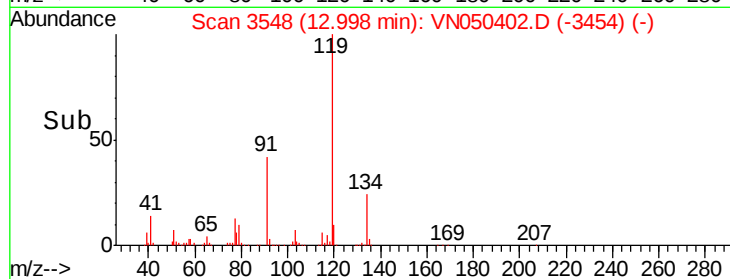
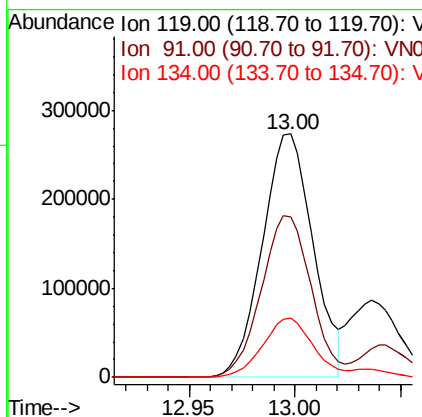
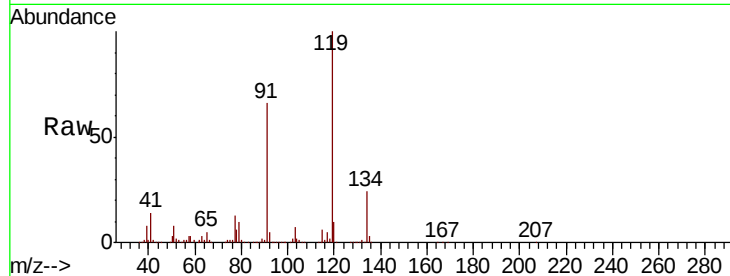
#83
 tert-Butylbenzene
 Concen: 19.85 ug/l
 RT: 13.00 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN050402.D
 Acq: 6 Aug 2018 23:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.4	32.1	96.3
134	24.4	13.2	39.5

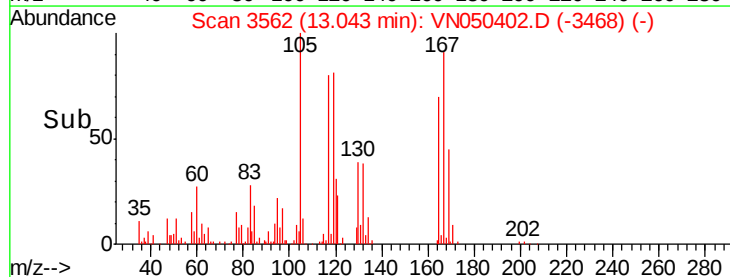
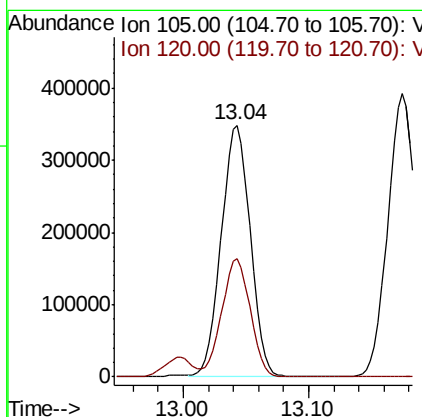
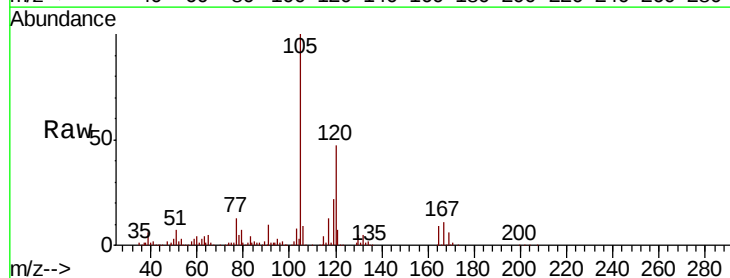
Manual Integrations
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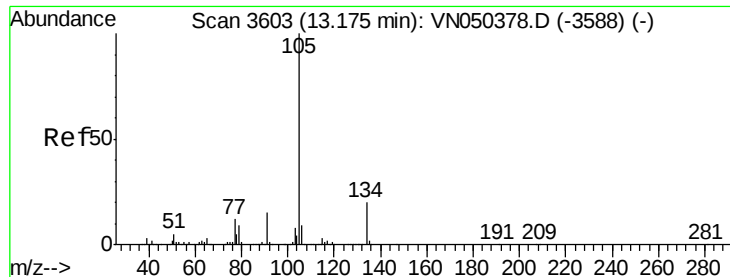
MMDadoda
 8/7/2018 9:59:11 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.84 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN050402.D
 Acq: 6 Aug 2018 23:44

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	22.9	68.7





#85

sec-Butylbenzene

Concen: 20.25 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN050402.D

Acq: 6 Aug 2018 23:44

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBS02

Tot Ion:105 Resp: 622919

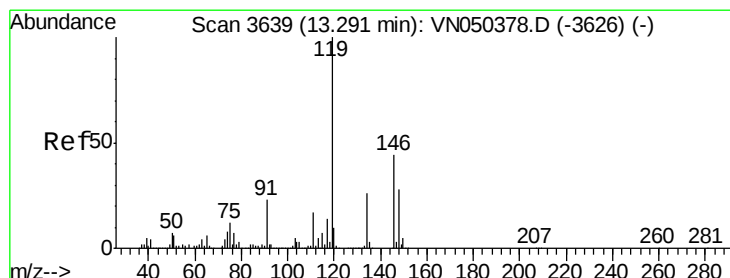
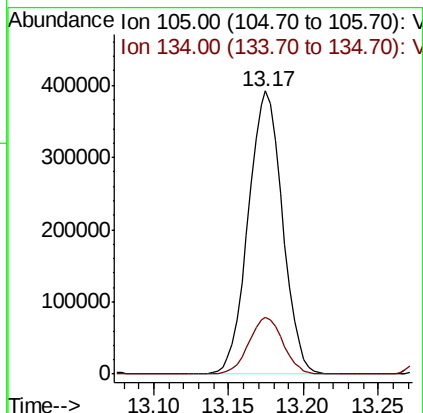
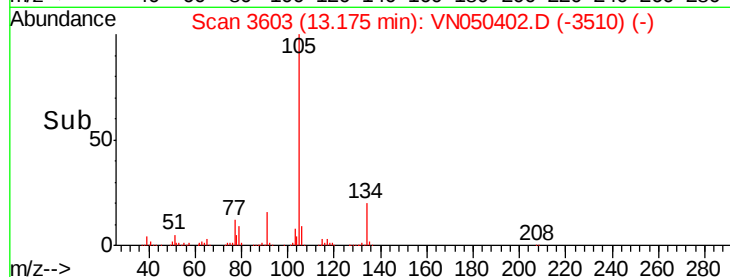
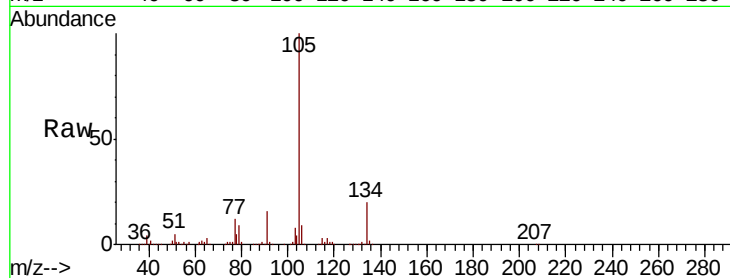
Ion Ratio Lower Upper

105 100

134 20.0 10.1 30.1

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#86

p-Isopropyltoluene

Concen: 20.06 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN050402.D

Acq: 6 Aug 2018 23:44

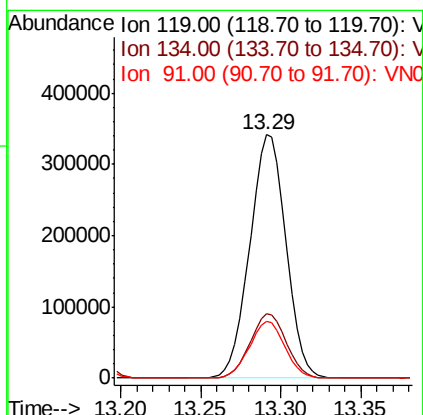
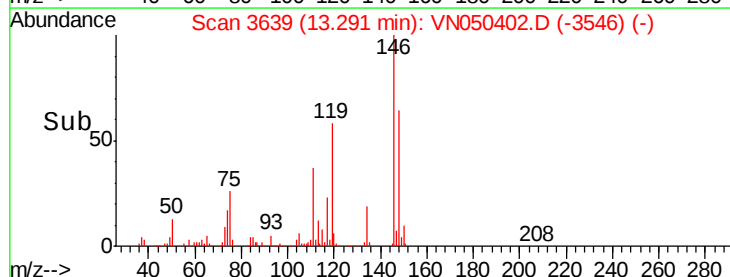
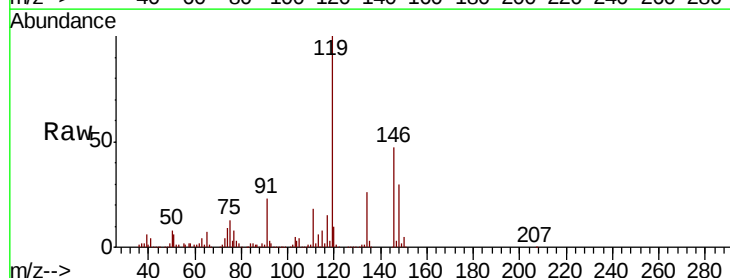
Tgt Ion:119 Resp: 528889

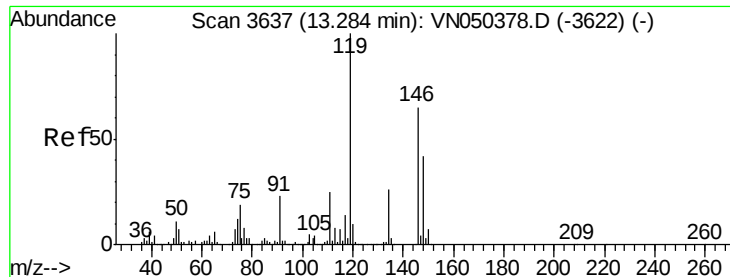
Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.8

91 22.8 11.4 34.2





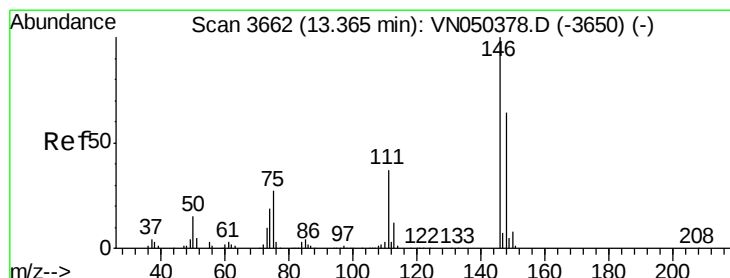
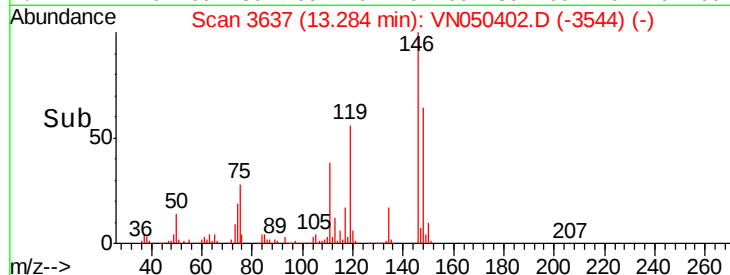
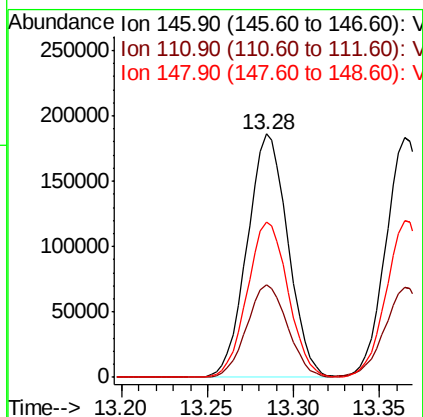
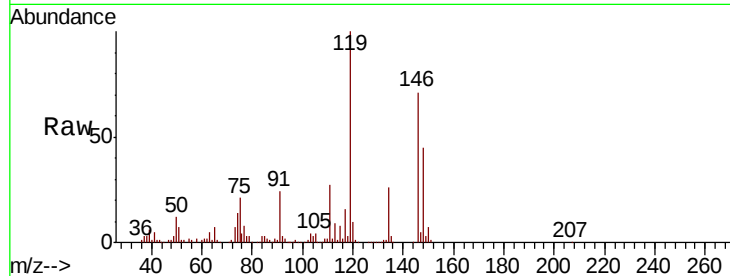
#87
 1,3-Dichlorobenzene
 Concen: 19.63 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN050402.D
 Acq: 6 Aug 2018 23:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBS02

Tot Ion:	146	Resp:	305257
Ion Ratio	Lower	Upper	
146	100		
111	38.2	18.8	56.4
148	64.0	31.9	95.9

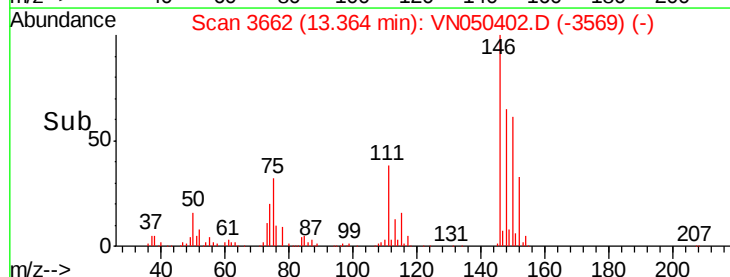
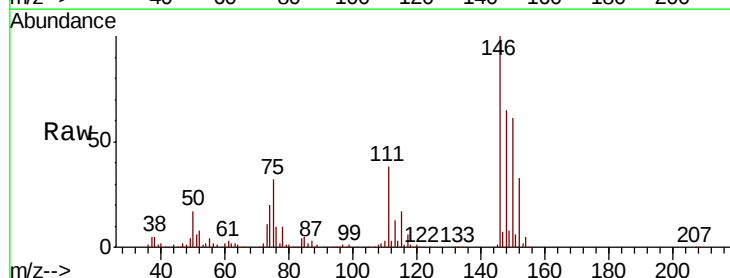
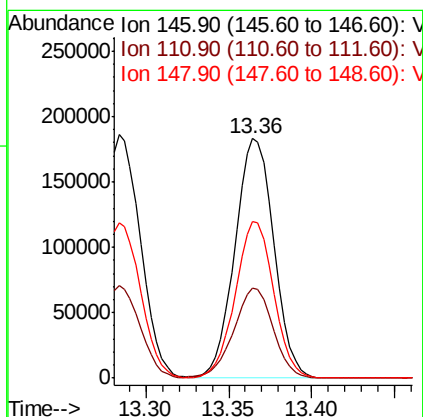
Manual Integrations
 APPROVED

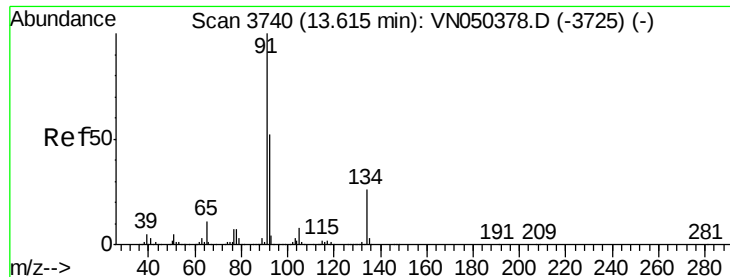
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#88
 1,4-Dichlorobenzene
 Concen: 19.27 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN050402.D
 Acq: 6 Aug 2018 23:44

Tgt Ion:	146	Resp:	299224
Ion Ratio	Lower	Upper	
146	100		
111	38.1	18.3	54.9
148	64.4	31.9	95.9





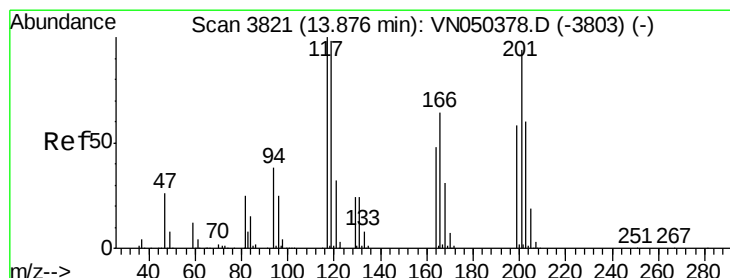
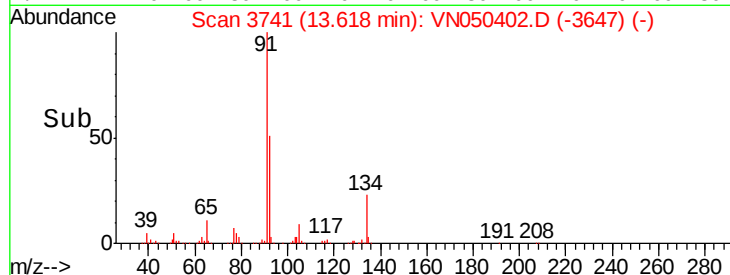
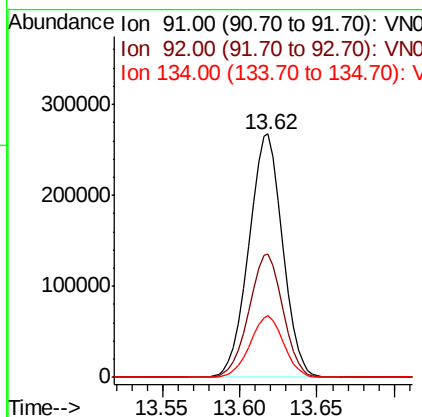
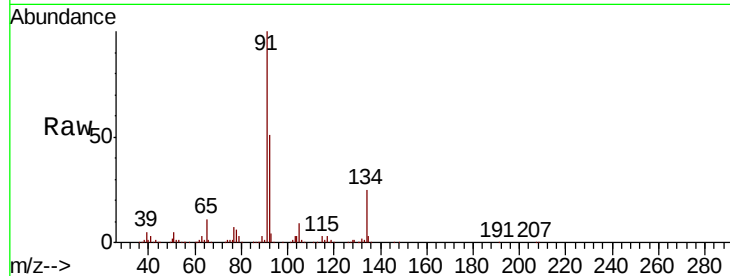
#89
n-Butylbenzene
Concen: 18.18 ug/l
RT: 13.62 min Scan# 3741
Delta R.T. 0.00 min
Lab File: VN050402.D
Acq: 6 Aug 2018 23:44

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.8	25.8	77.4
134	25.1	12.8	38.4

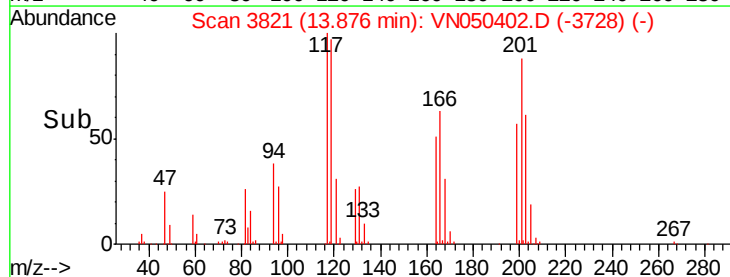
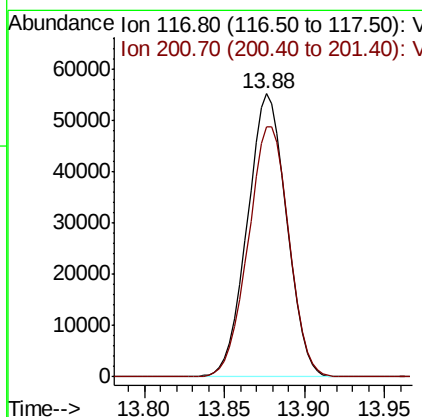
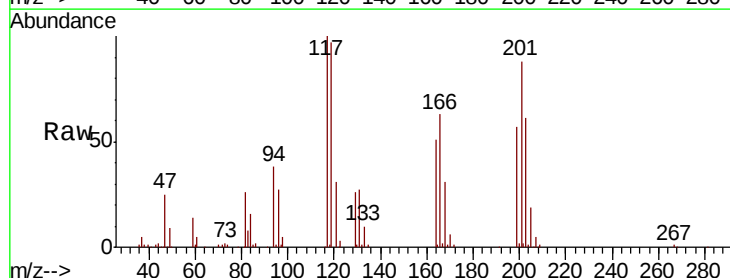
Manual Integrations
APPROVED

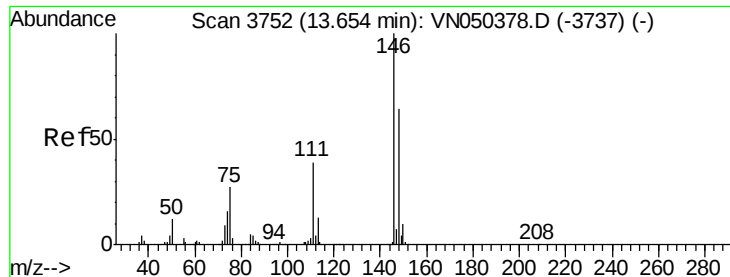
MMDadoda
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#90
Hexachloroethane
Concen: 19.89 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. -0.00 min
Lab File: VN050402.D
Acq: 6 Aug 2018 23:44

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.5	45.6	136.8





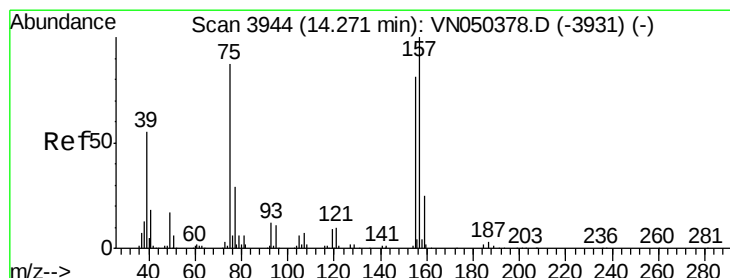
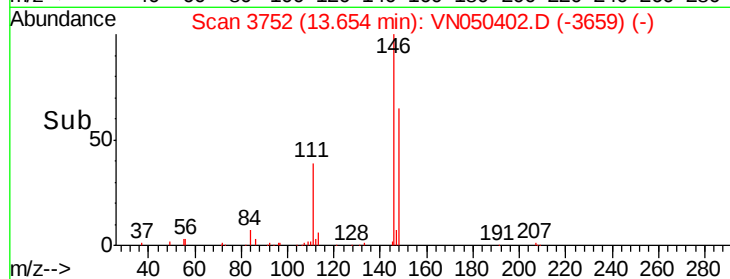
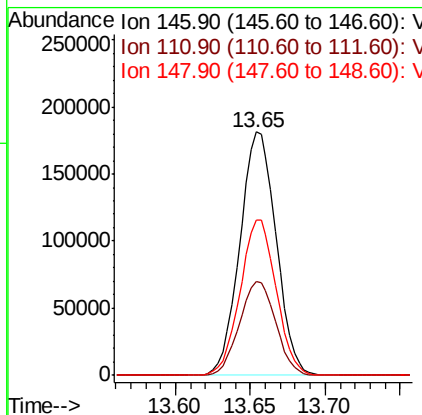
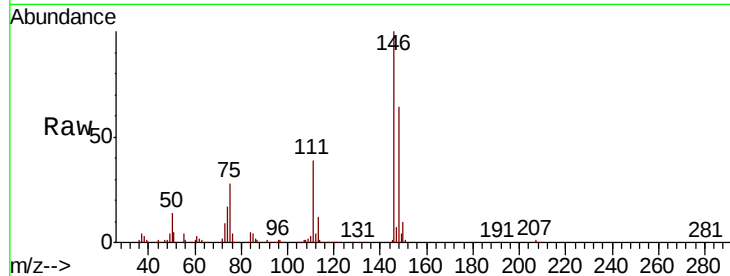
#91
 1,2-Dichlorobenzene
 Concen: 19.58 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN050402.D
 Acq: 6 Aug 2018 23:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBS02

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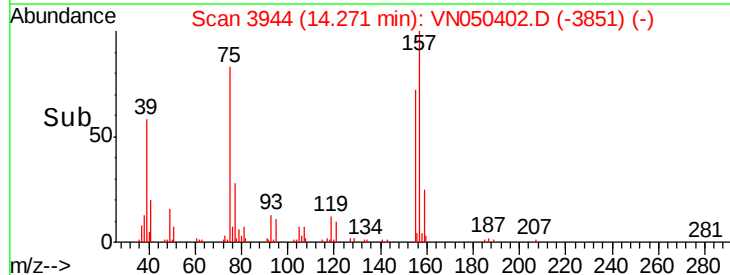
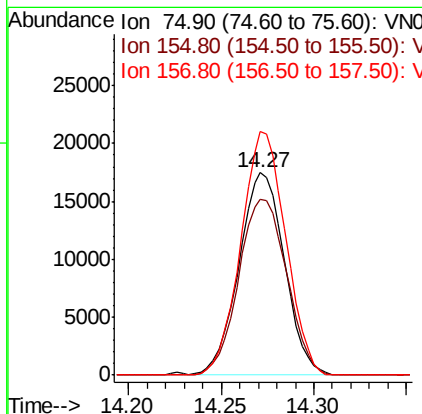
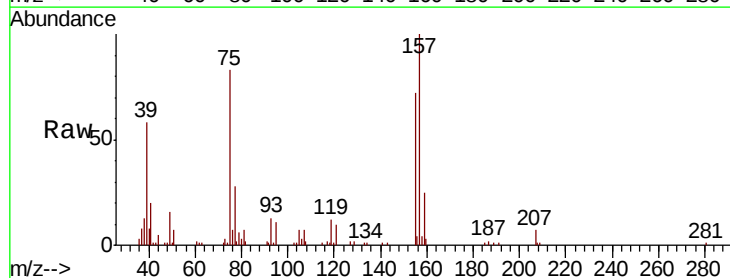
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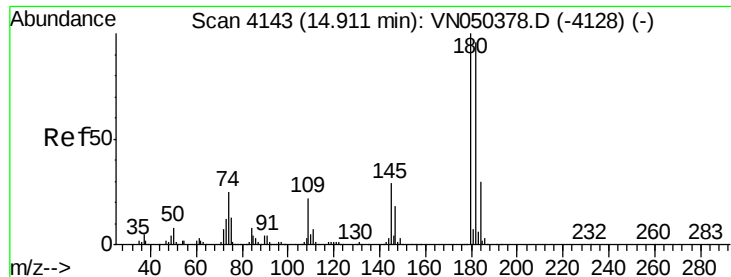
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.6	58.7
148	63.4	32.1	96.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.64 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. -0.00 min
 Lab File: VN050402.D
 Acq: 6 Aug 2018 23:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.6	44.8	134.4
157	118.3	57.2	171.6





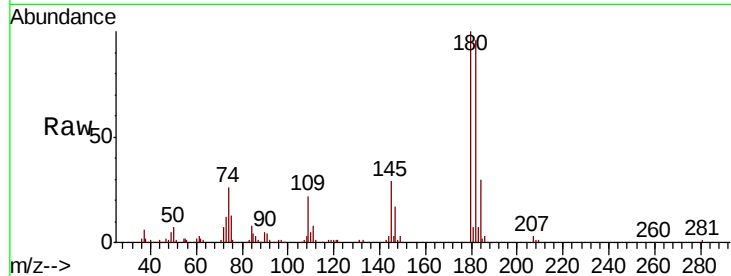
#93
 1,2,4-Trichlorobenzene
 Concen: 18.44 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN050402.D
 Acq: 6 Aug 2018 23:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	146469		
182	95.2	46.7	140.1	
145	28.3	13.8	41.4	

Manual Integrations
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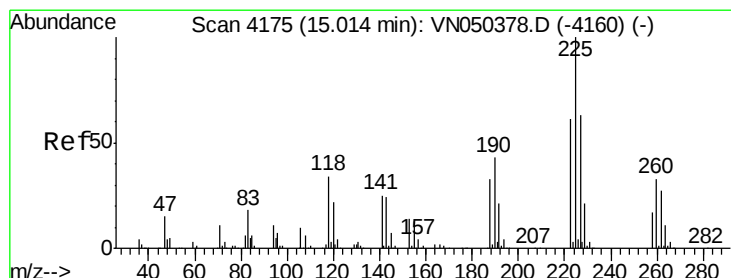
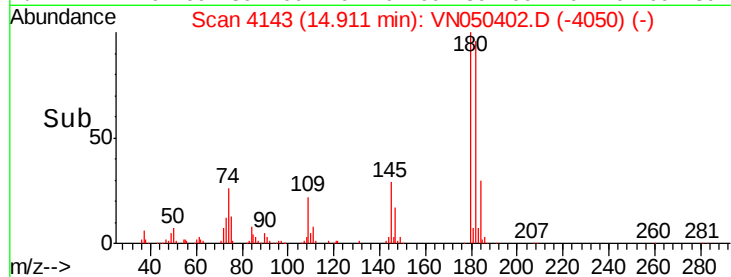
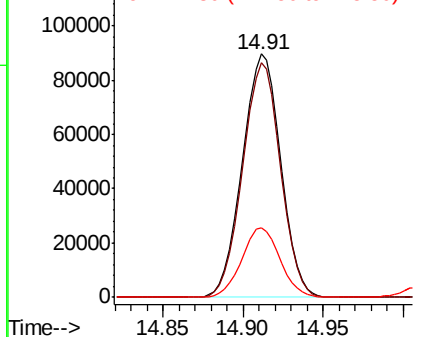


Abundance

Ion 179.80 (179.50 to 180.50): V

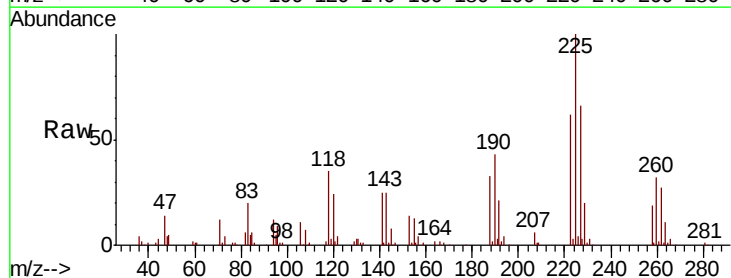
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 19.28 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050402.D
 Acq: 6 Aug 2018 23:44

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	88014		
223	61.8	31.4	94.2	
227	63.4	32.1	96.5	

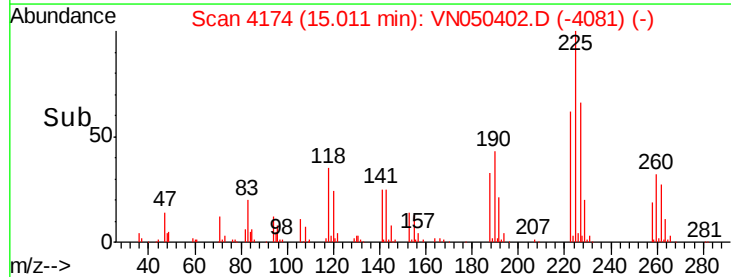
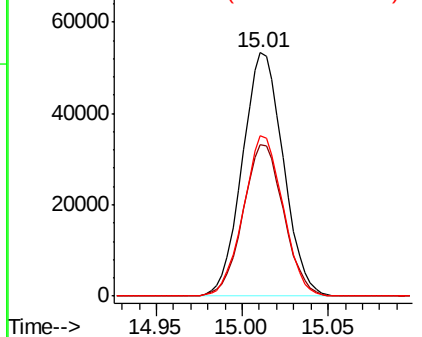


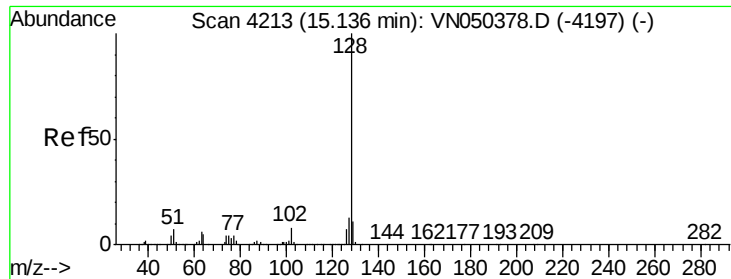
Abundance

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: 18.34 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050402.D

Acq: 6 Aug 2018 23:44

Instrument :

MSVOA_N

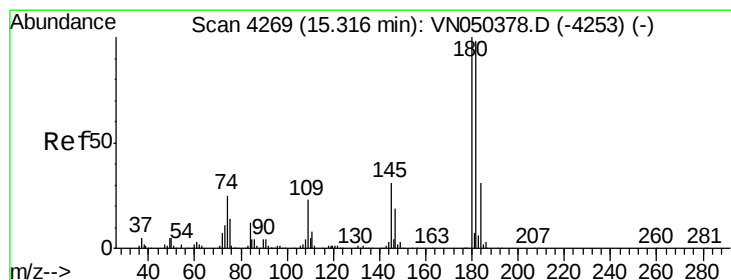
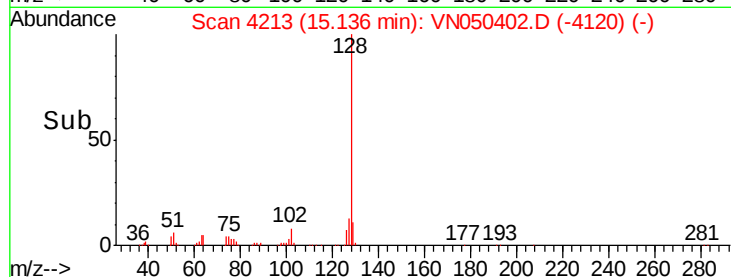
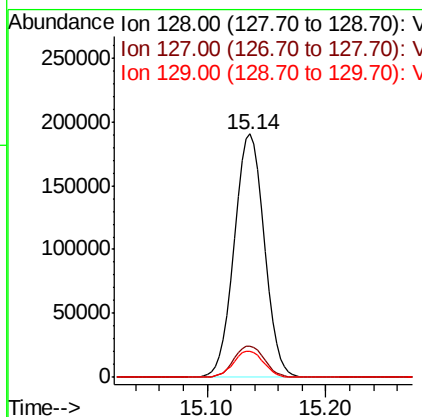
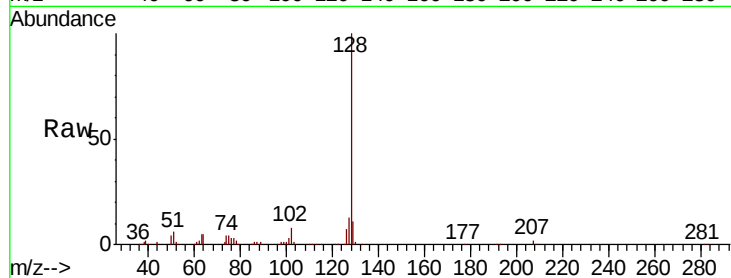
ClientSampleId :

VN0806WBS02

Tot Ion:	128	Resp:	333589
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.4	15.6
129	10.9	8.8	13.2

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#96

1,2,3-Trichlorobenzene

Concen: 18.27 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN050402.D

Acq: 6 Aug 2018 23:44

Tgt Ion:	180	Resp:	146646
Ion Ratio	Lower	Upper	
180	100		
182	96.3	48.1	144.4
145	30.5	15.3	45.9

