

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081318\
 Data File : VN050562.D
 Acq On : 13 Aug 2018 12:40
 Operator : MD\SY
 Sample : VN0813WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/14/2018 12:50:52 PM

Quant Time: Aug 14 01:33:24 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	623904	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	909595	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	822558	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	408231	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	400035	47.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.98%	
35) Dibromofluoromethane	7.59	113	374518	51.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.62%	
50) Toluene-d8	10.09	98	1375624	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	
62) 4-Bromofluorobenzene	12.40	95	443044	47.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	127701	18.44	ug/l	98
3) Chloromethane	2.06	50	166498	19.45	ug/l	100
4) Vinyl Chloride	2.18	62	172971	19.30	ug/l	98
5) Bromomethane	2.56	94	94524	21.84	ug/l	98
6) Chloroethane	2.70	64	105549	19.11	ug/l	100
7) Trichlorofluoromethane	3.01	101	231242	19.97	ug/l	99
8) Diethyl Ether	3.41	74	79003	18.61	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	143944	20.12	ug/l	99
10) Methyl Iodide	3.95	142	72949	23.14	ug/l	99
11) Tert butyl alcohol	4.80	59	44560	66.54	ug/l	97
12) 1,1-Dichloroethene	3.73	96	127169	18.85	ug/l	95
13) Acrolein	3.61	56	31902	49.44	ug/l	98
14) Allyl chloride	4.33	41	203801	18.81	ug/l	96
15) Acrylonitrile	5.00	53	238345	84.97	ug/l	98
16) Acetone	3.82	43	208664	83.70	ug/l	97
17) Carbon Disulfide	4.05	76	375079	17.10	ug/l	100
18) Methyl Acetate	4.33	43	126398	19.45	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	350090	18.29	ug/l	100
20) Methylene Chloride	4.55	84	156151	19.60	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	138700	19.00	ug/l	97
22) Diisopropyl ether	5.96	45	453933	20.51	ug/l	97
23) Vinyl Acetate	5.90	43	1439263	91.16	ug/l	100
24) 1,1-Dichloroethane	5.85	63	271687	20.01	ug/l	99
25) 2-Butanone	6.84	43	334913	81.08	ug/l	100
26) 2,2-Dichloropropane	6.83	77	220463	19.70	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	159978	19.77	ug/l	99
28) Bromochloromethane	7.20	49	120855	19.34	ug/l	99
29) Tetrahydrofuran	7.21	42	175889	79.55	ug/l	98
30) Chloroform	7.37	83	274552	20.23	ug/l	99
31) Cyclohexane	7.66	56	229631	18.82	ug/l	# 94
32) 1,1,1-Trichloroethane	7.57	97	234136	20.09	ug/l	99
36) 1,1-Dichloropropene	7.80	75	202493	20.26	ug/l	99
37) Ethyl Acetate	6.93	43	123448	17.15	ug/l	100
38) Carbon Tetrachloride	7.78	117	203776	19.55	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	203307	18.64	ug/l	98
40) Benzene	8.04	78	622055	20.25	ug/l	99
41) Methacrylonitrile	7.17	41	53328	13.93	ug/l #	92
42) 1,2-Dichloroethane	8.13	62	191312	19.61	ug/l	99
43) Isopropyl Acetate	8.17	43	217761	17.53	ug/l #	87
44) Trichloroethene	8.84	130	162828	19.72	ug/l	99
45) 1,2-Dichloropropane	9.12	63	166015	20.55	ug/l	100
46) Dibromomethane	9.21	93	96758	19.40	ug/l	100
47) Bromodichloromethane	9.40	83	207593	20.09	ug/l	98
48) Methyl methacrylate	9.20	41	105641	16.96	ug/l	98
49) 1,4-Dioxane	9.20	88	27637	287.92	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	748919	83.70	ug/l	99
52) Toluene	10.16	92	377588	20.46	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	199146	19.20	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	233759	20.19	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	142128	19.73	ug/l	99
56) Ethyl methacrylate	10.43	69	161170	16.98	ug/l	96
57) 1,3-Dichloropropane	10.71	76	228935	19.36	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	373303	83.61	ug/l	99
59) 2-Hexanone	10.75	43	486360	77.89	ug/l	99
60) Dibromochloromethane	10.90	129	153983	19.40	ug/l	99
61) 1,2-Dibromoethane	11.01	107	133139	18.75	ug/l	100
64) Tetrachloroethene	10.63	164	150780	19.62	ug/l	99
65) Chlorobenzene	11.43	112	407694	19.77	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	154670	20.61	ug/l	100
67) Ethyl Benzene	11.51	91	676310	20.29	ug/l	100
68) m/p-Xylenes	11.62	106	529412	41.72	ug/l	99
69) o-Xylene	11.95	106	251594	20.58	ug/l	99
70) Styrene	11.97	104	405911	20.42	ug/l	99
71) Bromoform	12.13	173	103575	18.88	ug/l #	99
73) Isopropylbenzene	12.25	105	665553	21.72	ug/l	100
74) N-amyl acetate	12.07	43	167523	16.87	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	168195	19.02	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	134158m	18.16	ug/l	
77) Bromobenzene	12.53	156	172842	21.05	ug/l	98
78) n-propylbenzene	12.59	91	746885	21.53	ug/l	99
79) 2-Chlorotoluene	12.68	91	454391	21.21	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	546972	21.99	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	37835	17.99	ug/l	99
82) 4-Chlorotoluene	12.77	91	464916	21.76	ug/l	100
83) tert-Butylbenzene	12.99	119	455338	20.98	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	552240	21.91	ug/l	100
85) sec-Butylbenzene	13.17	105	612088	21.16	ug/l	100
86) p-Isopropyltoluene	13.29	119	523241	21.11	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	297061	20.32	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	292304	20.02	ug/l	99
89) n-Butylbenzene	13.62	91	405006	19.19	ug/l	99
90) Hexachloroethane	13.88	117	92926	21.08	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	289794	19.77	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	23300	15.52	ug/l	98

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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)
93) 1,2,4-Trichlorobenzene	14.91	180	130854	17.53	ug/l	97
94) Hexachlorobutadiene	15.01	225	90244	21.18	ug/l	98
95) Naphthalene	15.13	128	254935	15.58	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	128392	17.01	ug/l	99

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

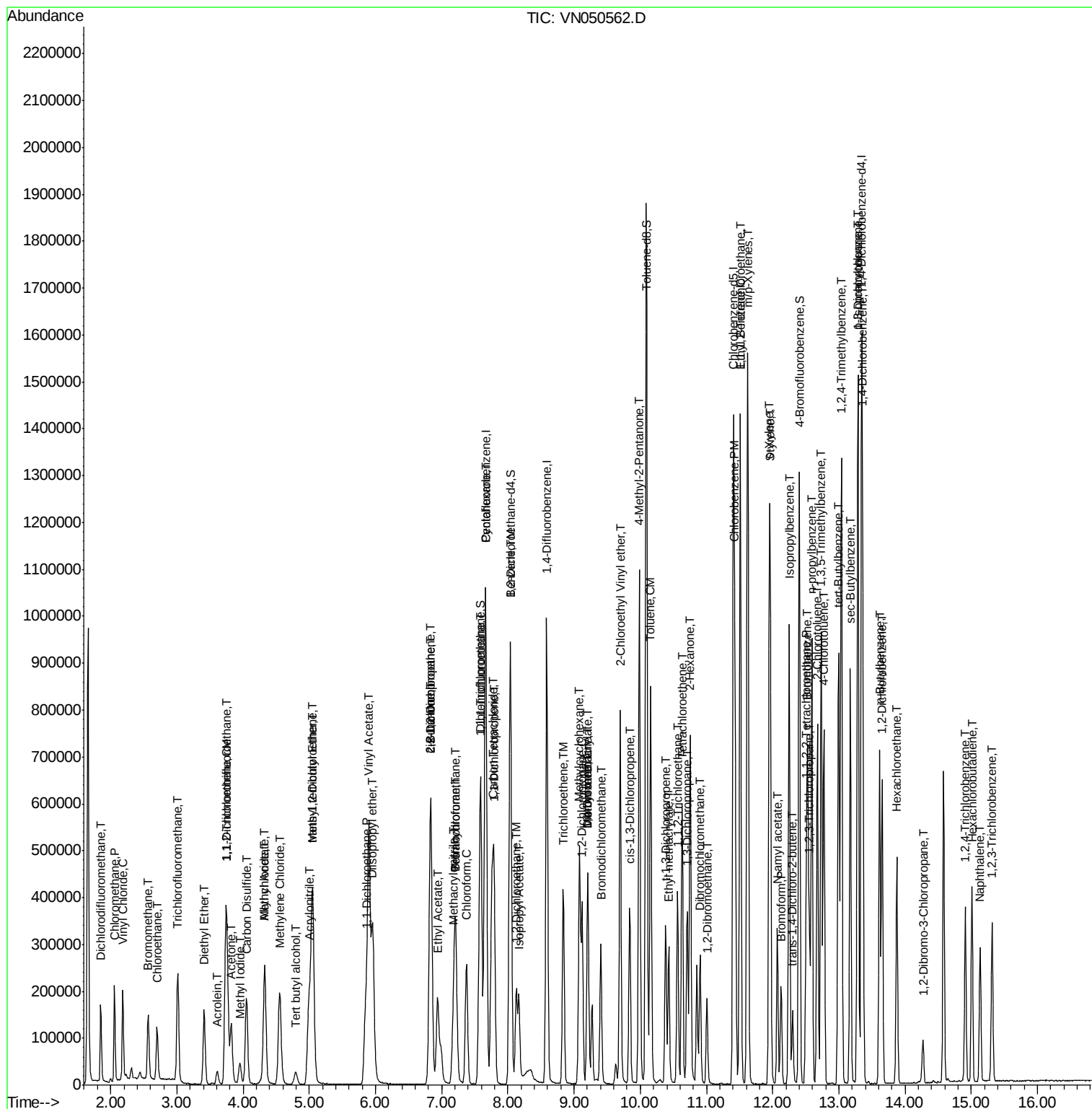
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081318\
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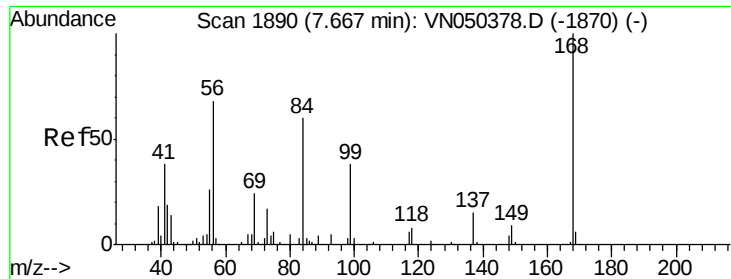
Instrument :
 MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN050562.D

Acq: 13 Aug 2018 12:40

Instrument :

MSVOA_N

ClientSampleId :

VN0813WBS01

Tot Ion:168 Resp: 623904

Ion Ratio Lower Upper

168 100

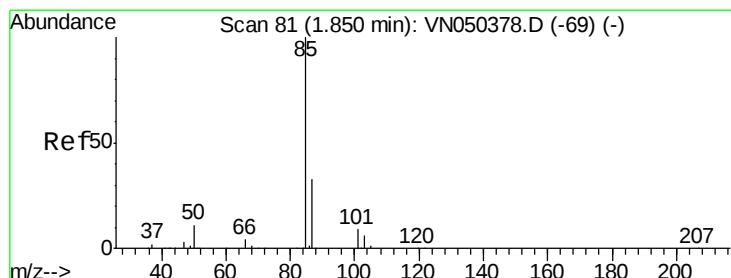
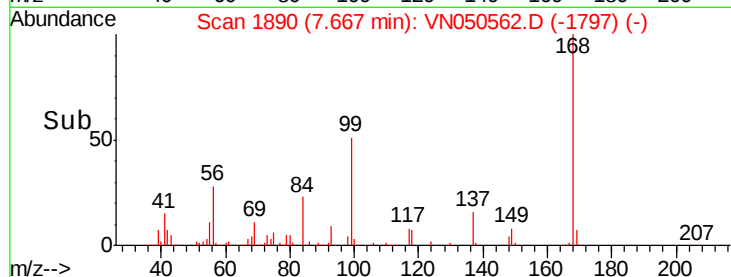
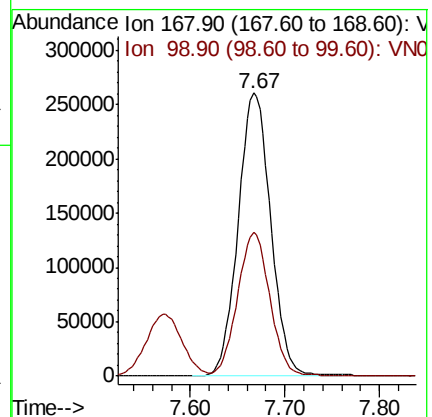
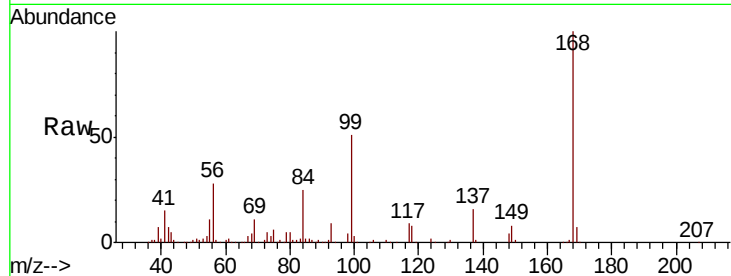
99 50.4 40.0 60.0

Manual Integrations

APPROVED

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#2

Dichlorodifluoromethane

Concen: 18.44 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050562.D

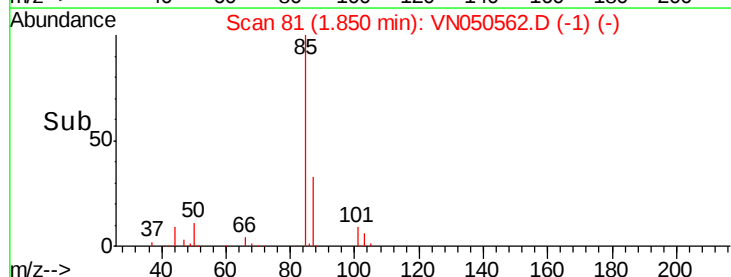
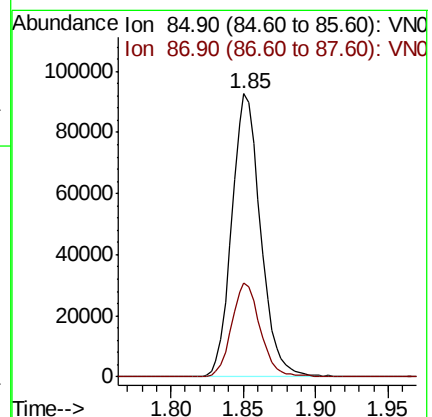
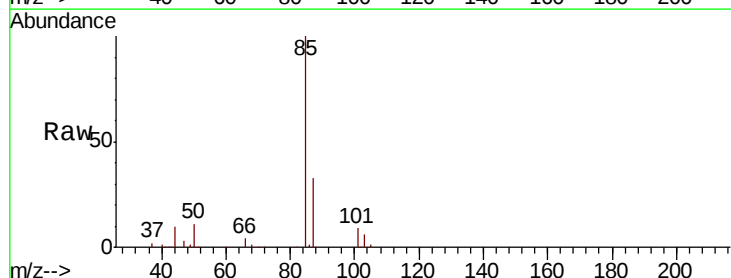
Acq: 13 Aug 2018 12:40

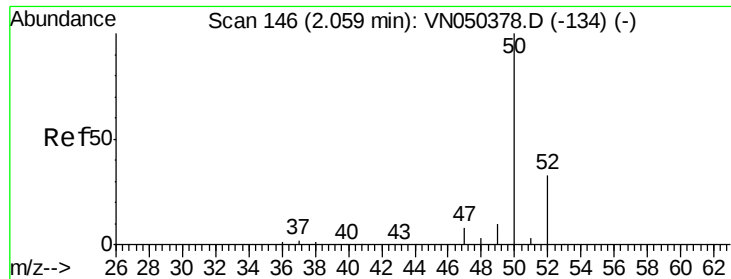
Tgt Ion: 85 Resp: 127701

Ion Ratio Lower Upper

85 100

87 33.3 16.1 48.3





#3

Chloromethane

Concen: 19.45 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050562.D

Acq: 13 Aug 2018 12:40

Instrument :

MSVOA_N

ClientSampleId :

VN0813WBS01

Tot Ion: 50 Resp: 166498

Ion Ratio Lower Upper

50 100

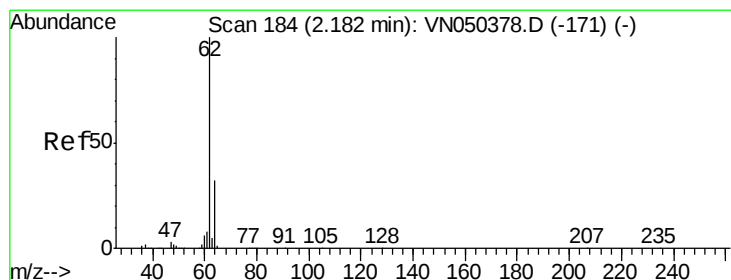
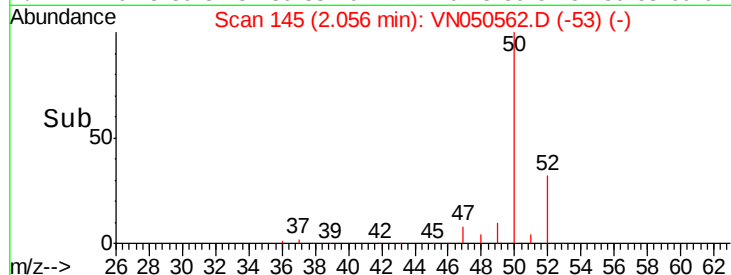
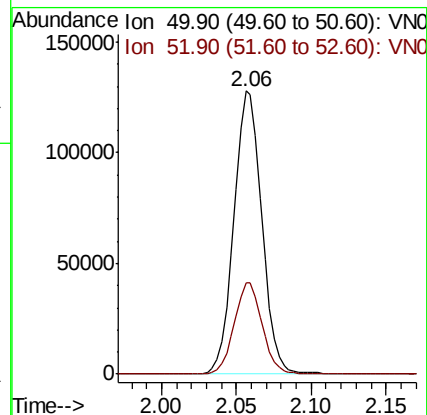
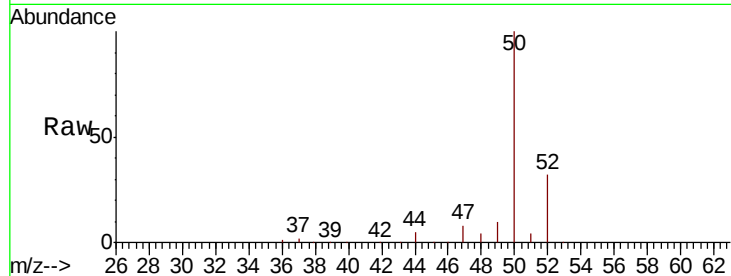
52 32.2 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.30 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN050562.D

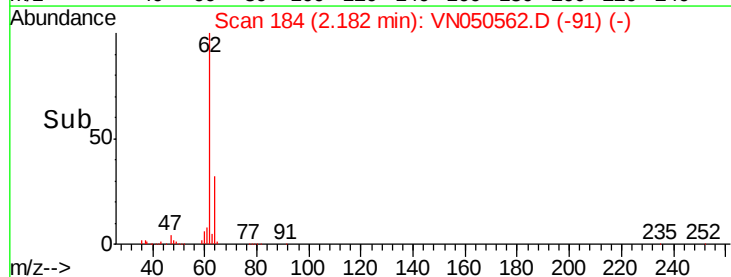
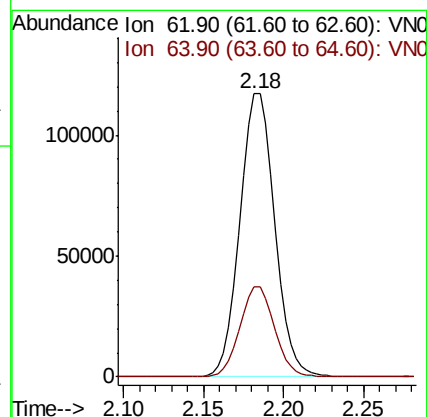
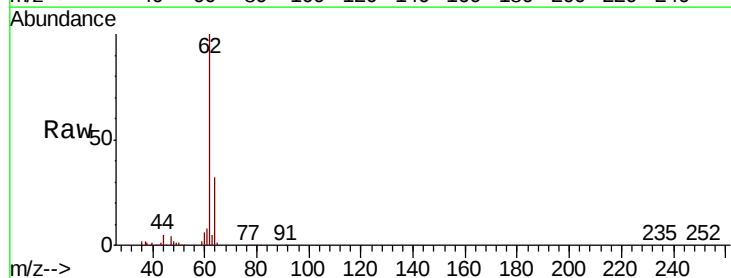
Acq: 13 Aug 2018 12:40

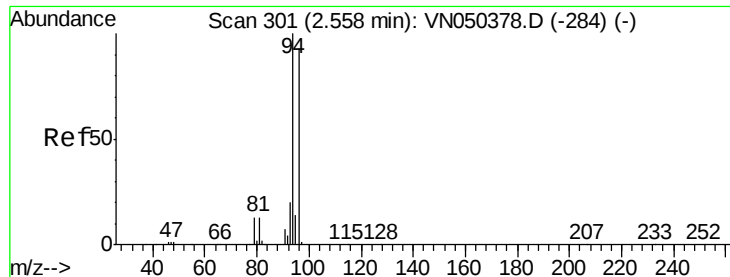
Tgt Ion: 62 Resp: 172971

Ion Ratio Lower Upper

62 100

64 32.0 24.7 37.1





#5

Bromomethane

Concen: 21.84 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.01 min

Lab File: VN050562.D

Acq: 13 Aug 2018 12:40

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 94524

Ion Ratio Lower Upper

94 100

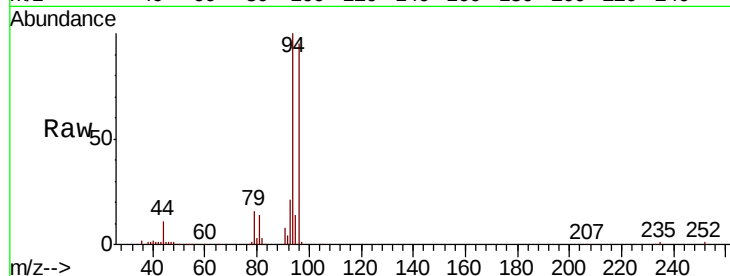
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Manual Integrations

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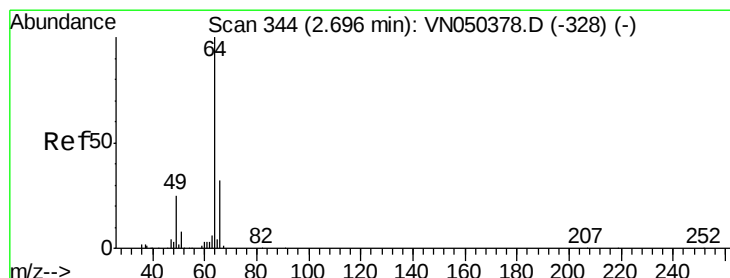
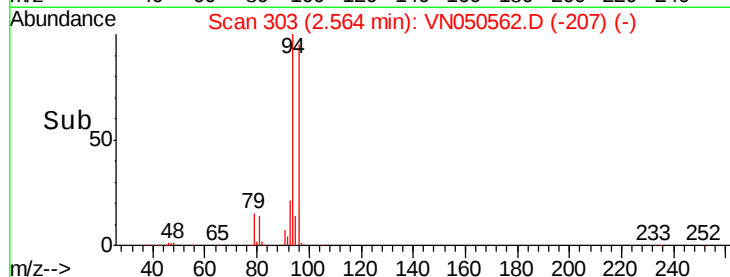
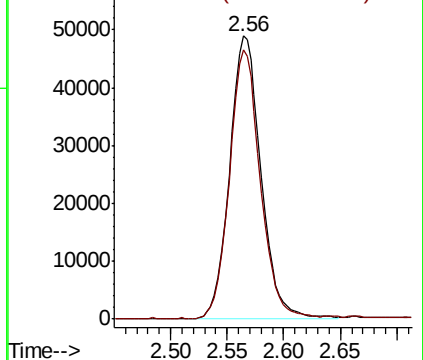
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Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC



#6

Chloroethane

Concen: 19.11 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VN050562.D

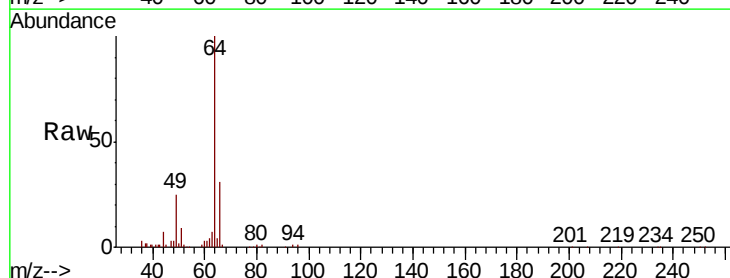
Acq: 13 Aug 2018 12:40

Tgt Ion: 64 Resp: 105549

Ion Ratio Lower Upper

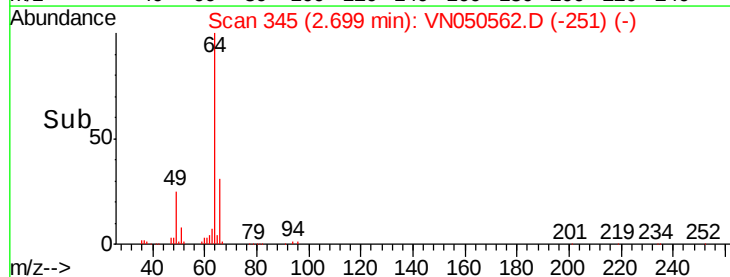
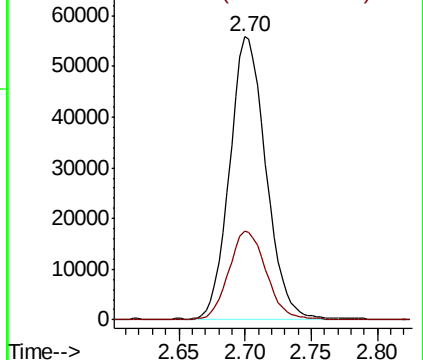
64 100

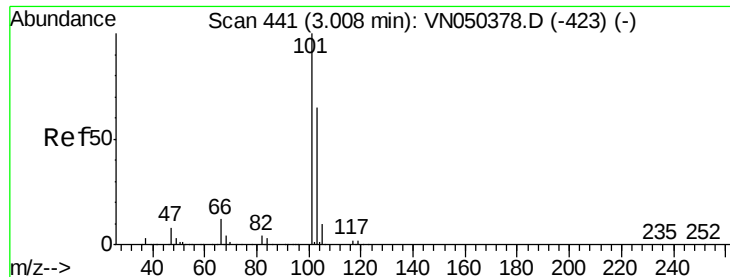
66 31.3 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VNC

Ion 65.90 (65.60 to 66.60): VNC





#7

Trichlorofluoromethane

Concen: 19.97 ug/l

RT: 3.01 min Scan# 443

Delta R.T. 0.01 min

Lab File: VN050562.D

Acq: 13 Aug 2018 12:40

Instrument :

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ClientSampleId :

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Tot Ion:101 Resp: 231242

Ion Ratio Lower Upper

101 100

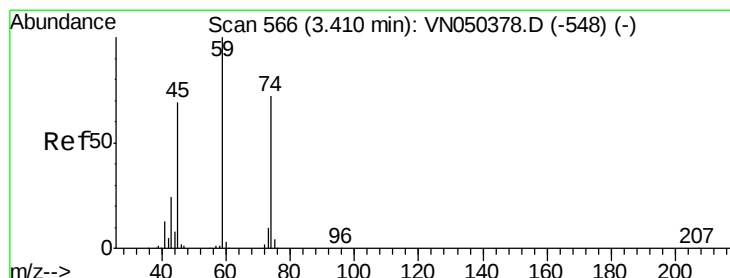
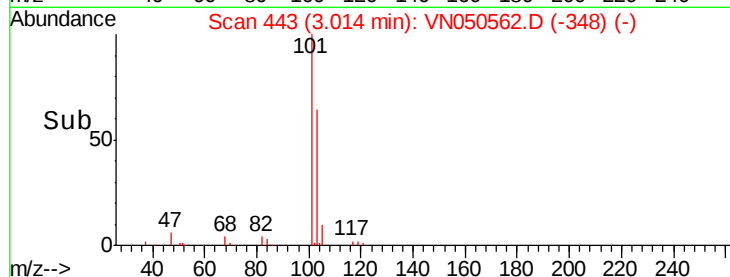
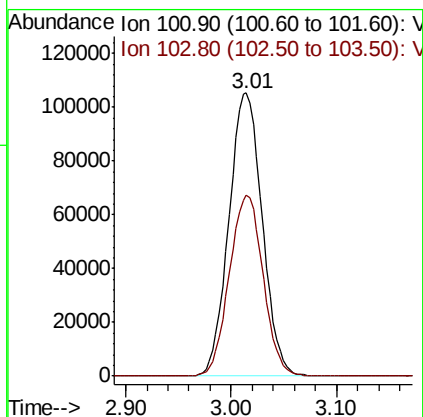
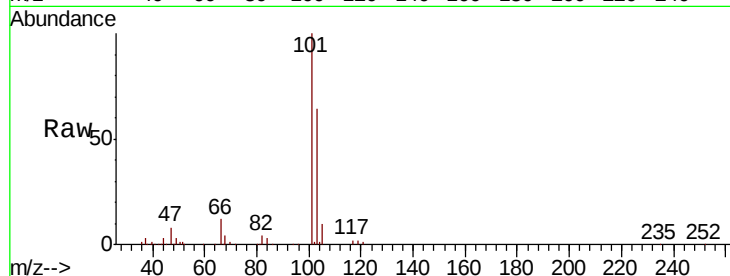
103 63.9 51.7 77.5

Manual Integrations

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8/14/2018 12:50:52 PM



#8

Diethyl Ether

Concen: 18.61 ug/l

RT: 3.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VN050562.D

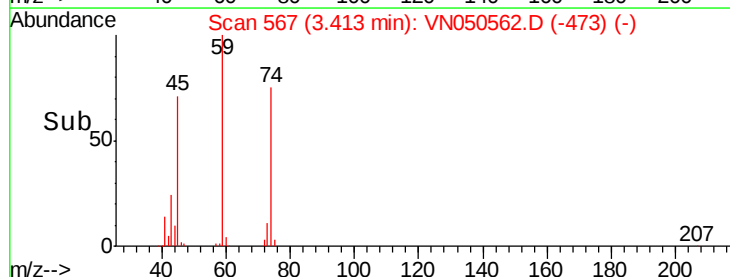
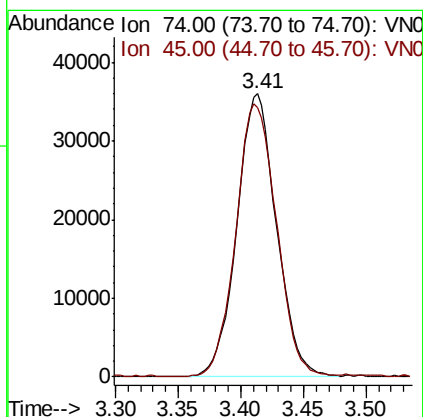
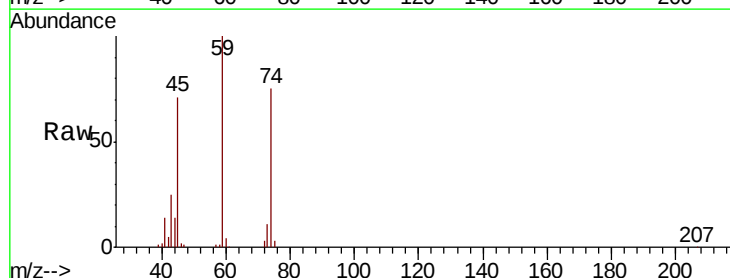
Acq: 13 Aug 2018 12:40

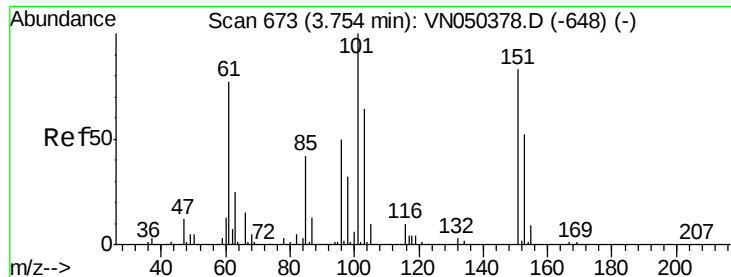
Tgt Ion: 74 Resp: 79003

Ion Ratio Lower Upper

74 100

45 99.3 47.6 142.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.12 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN050562.D

Acq: 13 Aug 2018 12:40

Instrument :

MSVOA_N

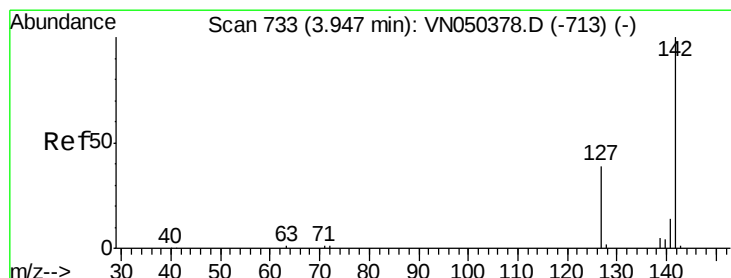
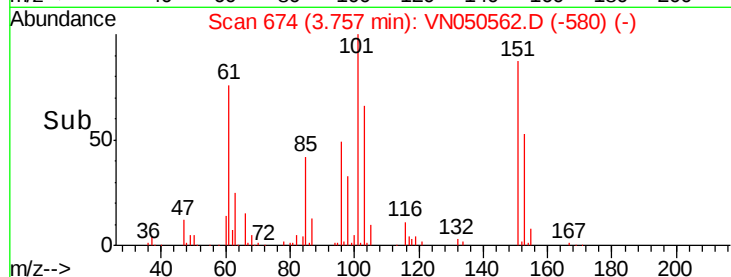
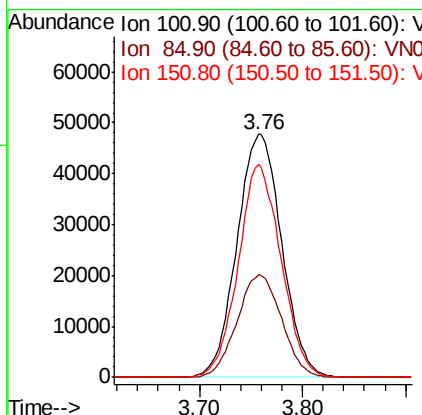
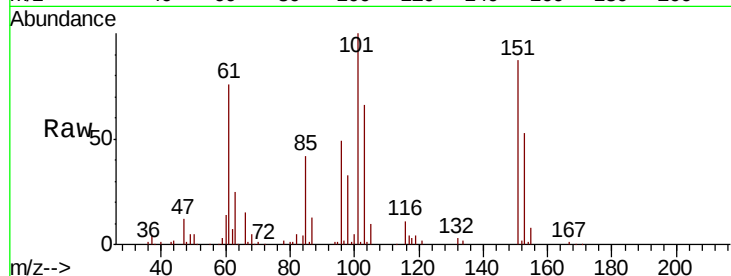
ClientSampleId :

VN0813WBS01

Tot Ion:	101	Resp:	143944
Ion Ratio	Lower	Upper	
101	100		
85	42.0	34.2	51.2
151	83.7	66.3	99.5

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#10

Methyl Iodide

Concen: 23.14 ug/l

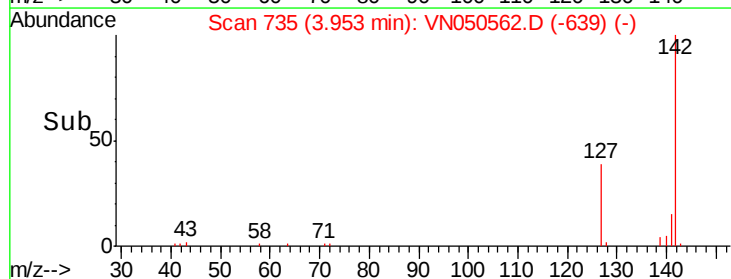
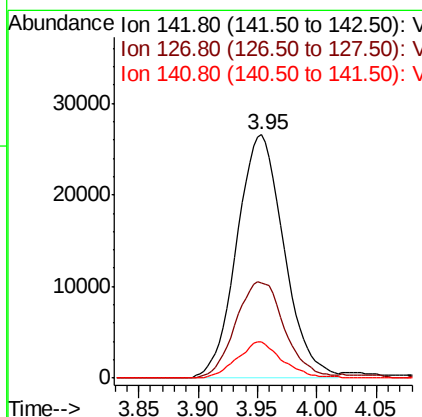
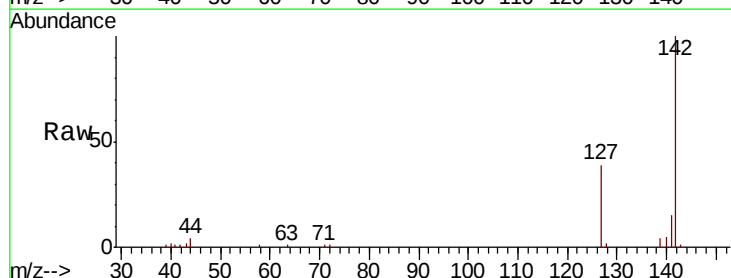
RT: 3.95 min Scan# 735

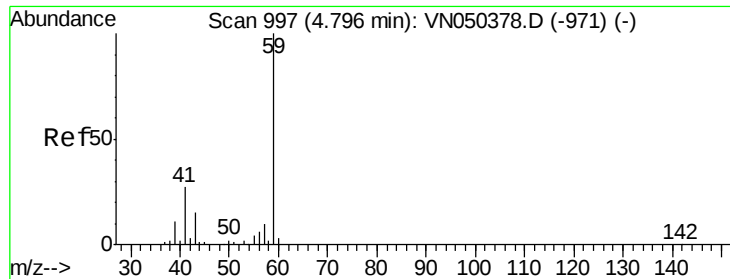
Delta R.T. 0.01 min

Lab File: VN050562.D

Acq: 13 Aug 2018 12:40

Tgt Ion:	142	Resp:	72949
Ion Ratio	Lower	Upper	
142	100		
127	41.0	33.4	50.2
141	14.3	11.6	17.4





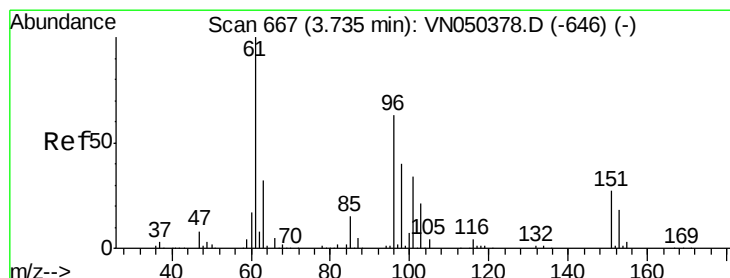
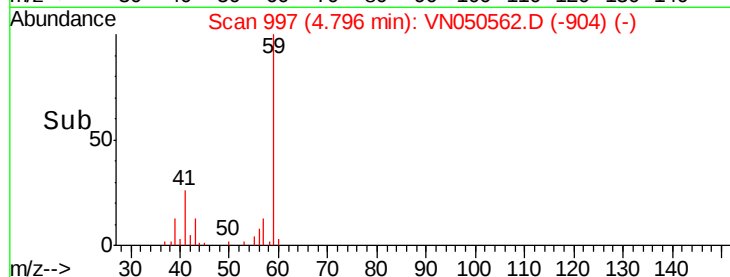
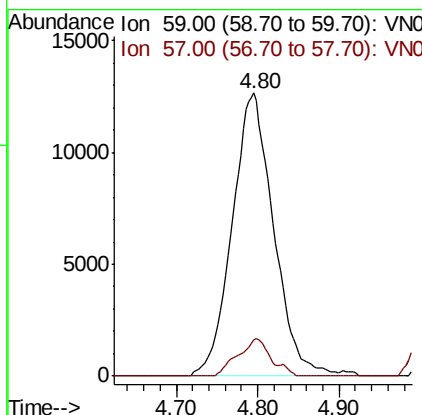
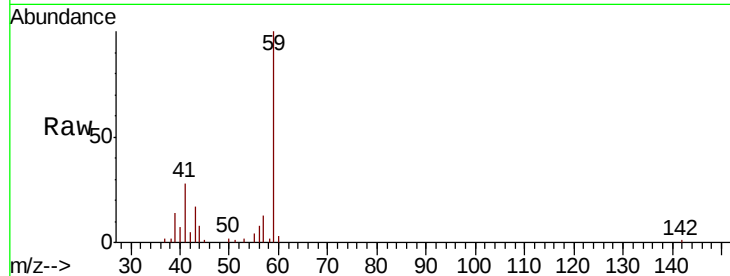
#11
Tert butyl alcohol
Concen: 66.54 ug/l
RT: 4.80 min Scan# 997
Delta R.T. 0.00 min
Lab File: VN050562.D
Acq: 13 Aug 2018 12:40

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBS01

Tot Ion	59	57	Ratio	Lower	Upper
44560	100	9.6		8.5	12.7

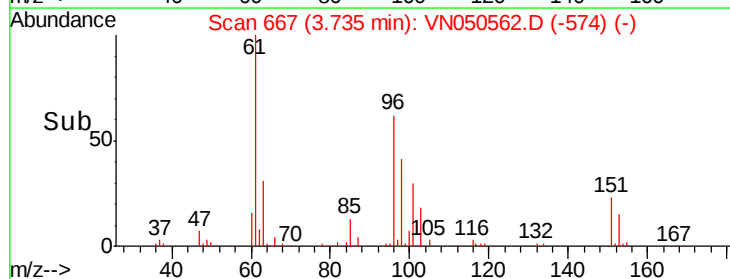
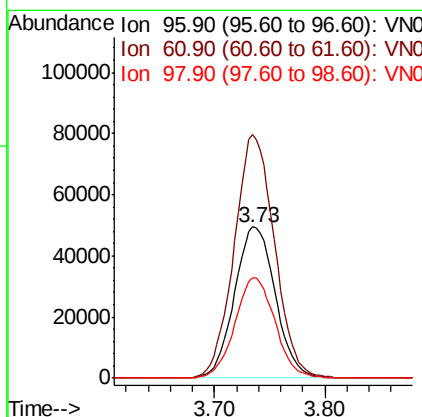
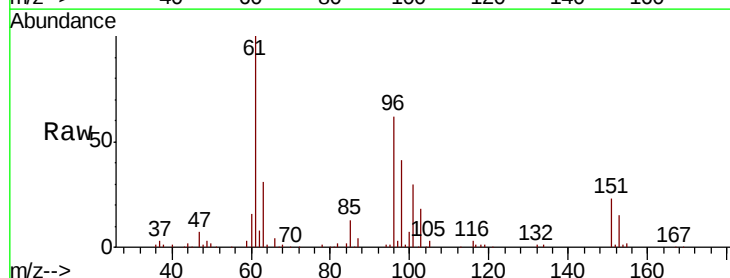
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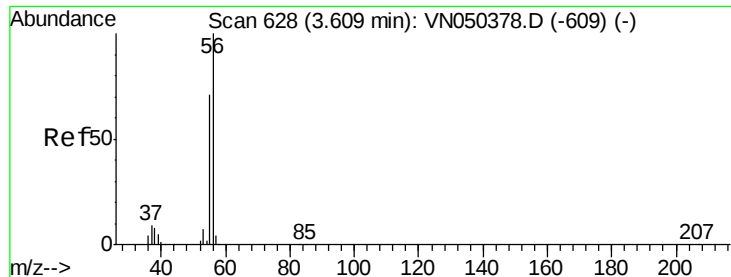
MMDadoda
8/14/2018 12:50:52 PM



#12
1,1-Dichloroethene
Concen: 18.85 ug/l
RT: 3.73 min Scan# 667
Delta R.T. 0.00 min
Lab File: VN050562.D
Acq: 13 Aug 2018 12:40

Tgt Ion	96	61	98	Ratio	Lower	Upper
127169	100	161.1	66.4		124.4	186.6
					48.3	72.5





#13

Acrolein

Concen: 49.44 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050562.D

Acq: 13 Aug 2018 12:40

Instrument :

MSVOA_N

ClientSampleId :

VN0813WBS01

Tot Ion: 56 Resp: 31902

Ion Ratio Lower Upper

56 100

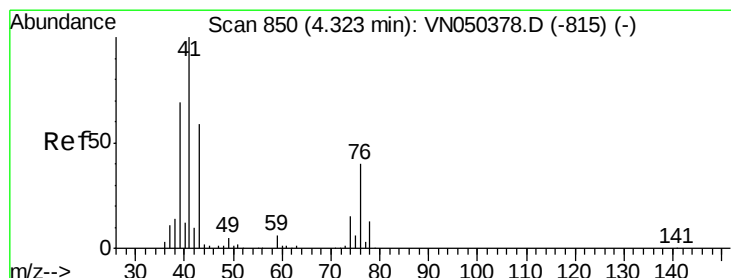
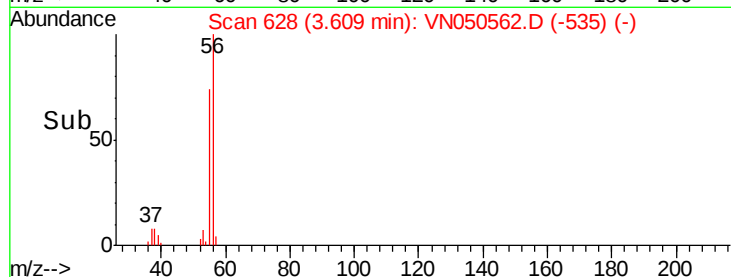
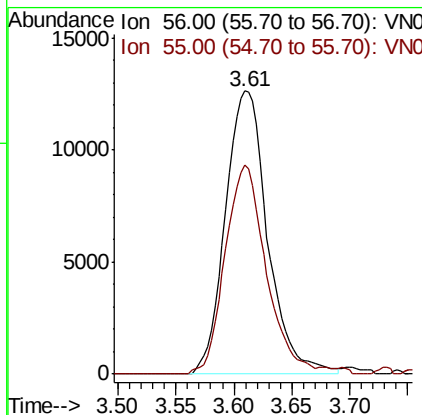
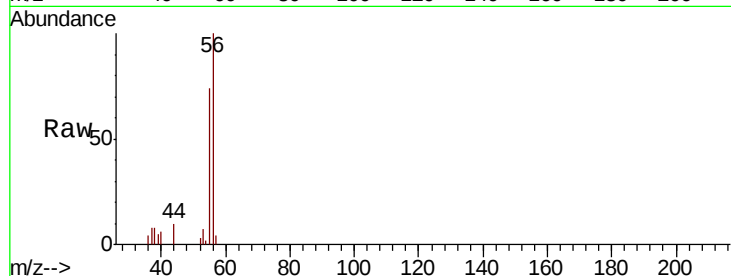
55 71.5 55.8 83.6

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#14

Allyl chloride

Concen: 18.81 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN050562.D

Acq: 13 Aug 2018 12:40

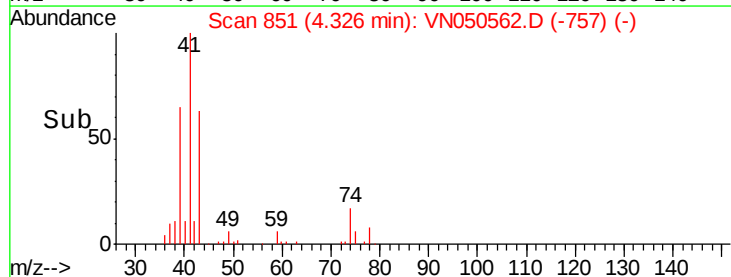
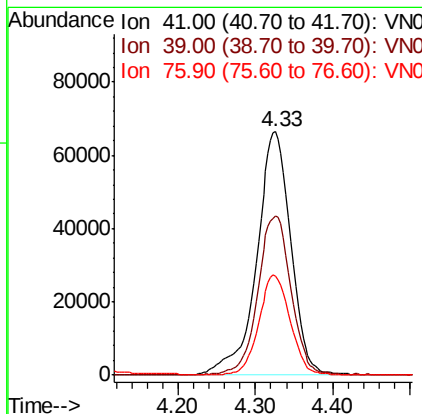
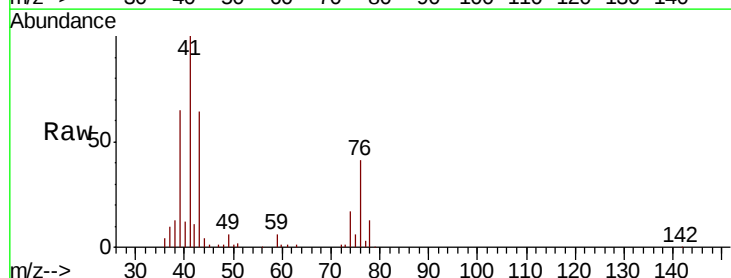
Tgt Ion: 41 Resp: 203801

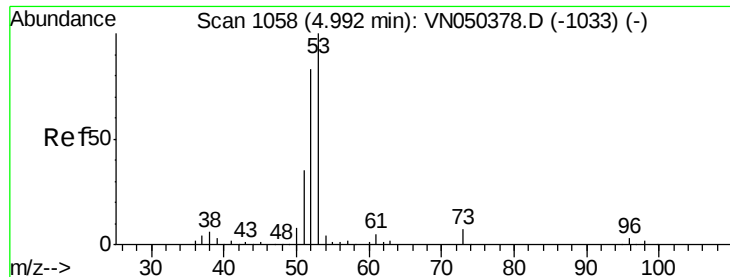
Ion Ratio Lower Upper

41 100

39 64.0 54.2 81.4

76 37.9 29.0 43.6





#15

Acrylonitrile

Concen: 84.97 ug/l

RT: 5.00 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VN050562.D

Acq: 13 Aug 2018 12:40

Instrument :

MSVOA_N

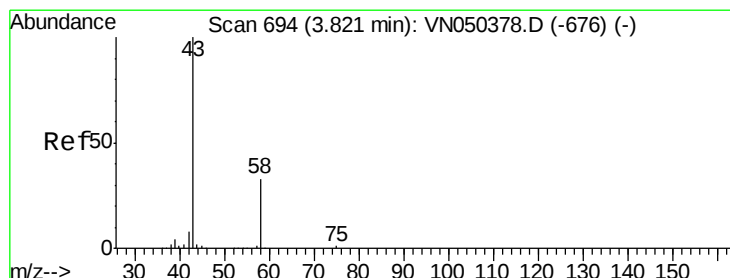
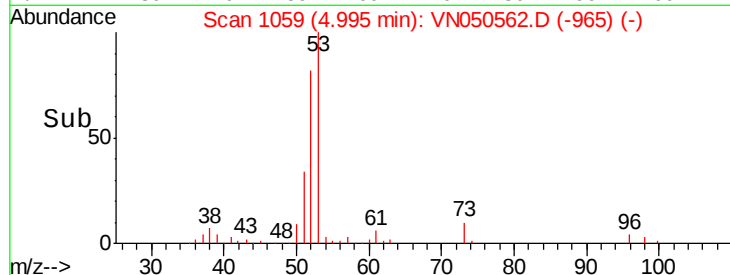
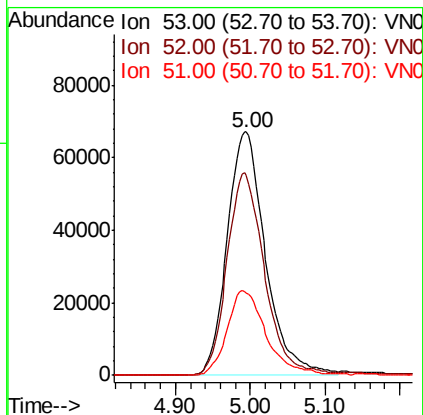
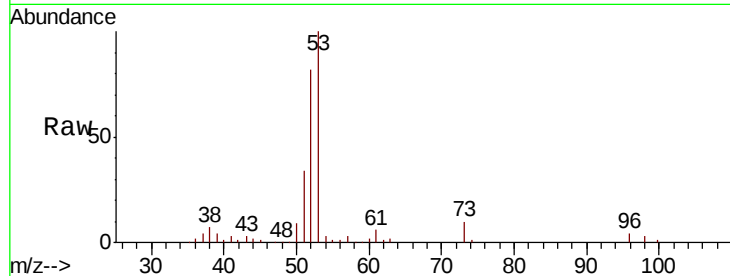
ClientSampleId :

VN0813WBS01

Tot Ion:	53	Resp:	238345
Ion Ratio	Lower	Upper	
53	100		
52	80.5	66.2	99.2
51	35.5	29.3	43.9

Manual Integrations
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#16

Acetone

Concen: 83.70 ug/l

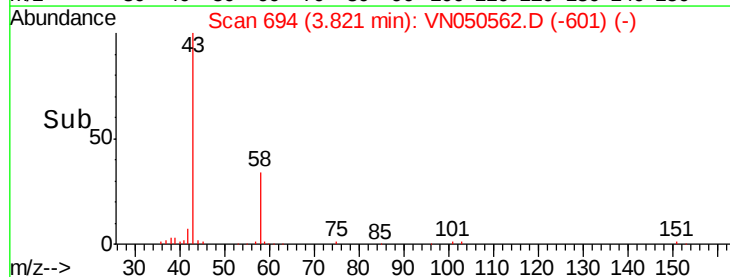
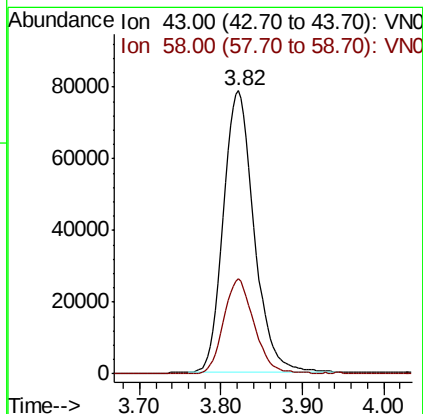
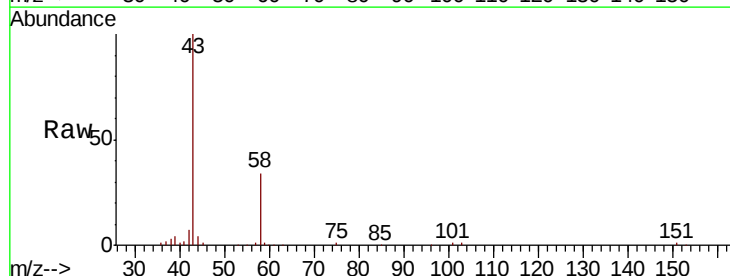
RT: 3.82 min Scan# 694

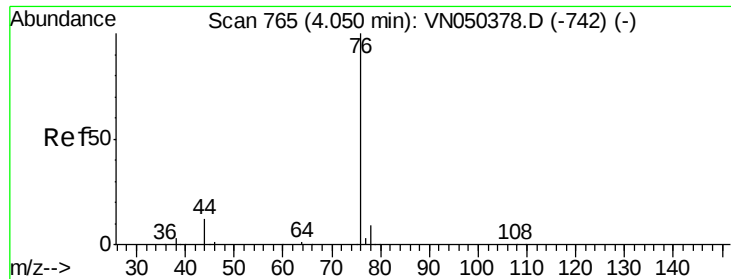
Delta R.T. 0.00 min

Lab File: VN050562.D

Acq: 13 Aug 2018 12:40

Tgt Ion:	43	Resp:	208664
Ion Ratio	Lower	Upper	
43	100		
58	33.9	25.8	38.8





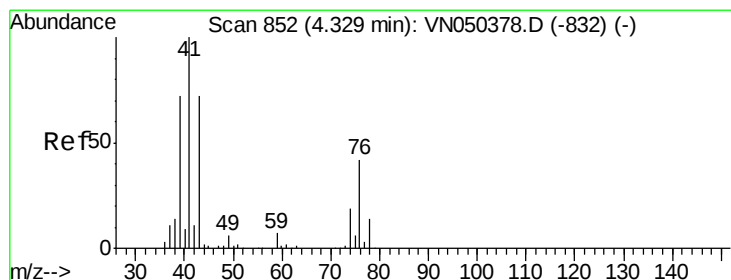
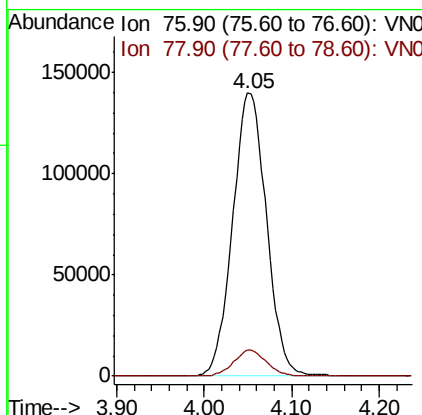
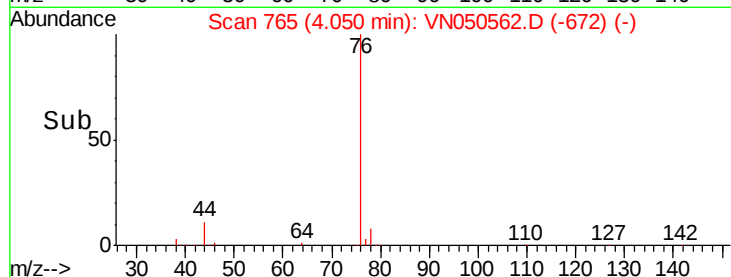
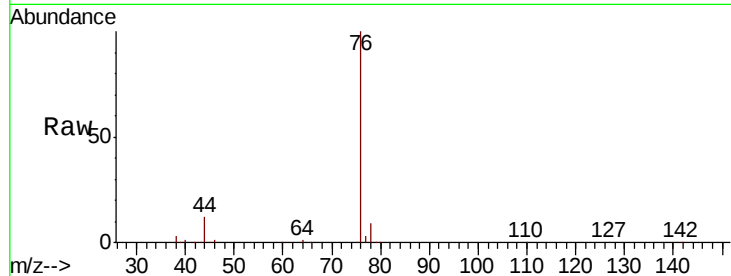
#17
Carbon Disulfide
Concen: 17.10 ug/l
RT: 4.05 min Scan# 765
Delta R.T. 0.00 min
Lab File: VN050562.D
Acq: 13 Aug 2018 12:40

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.3	10.9

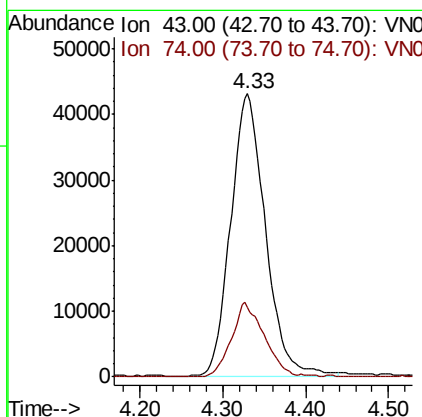
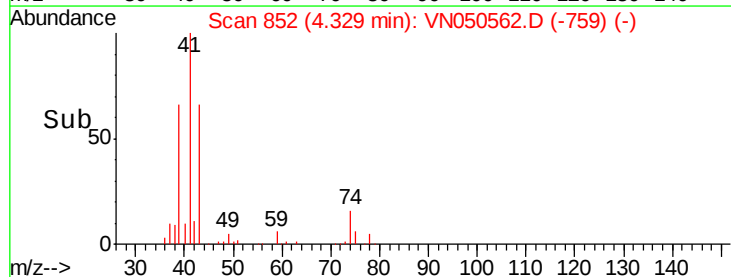
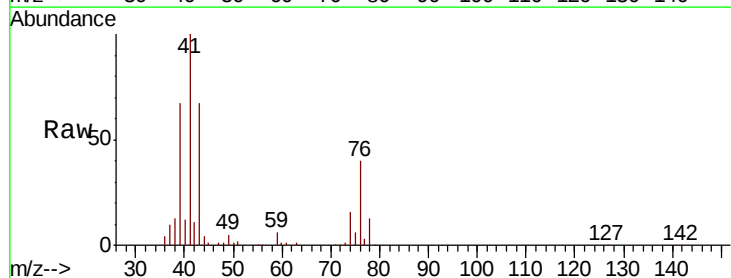
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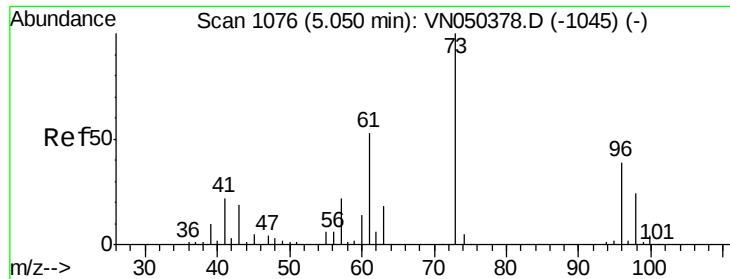
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#18
Methyl Acetate
Concen: 19.45 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN050562.D
Acq: 13 Aug 2018 12:40

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.7	19.2	28.8





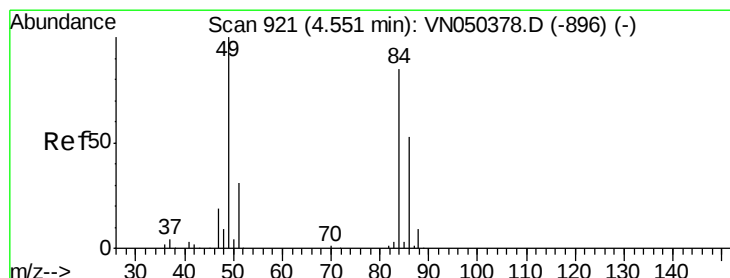
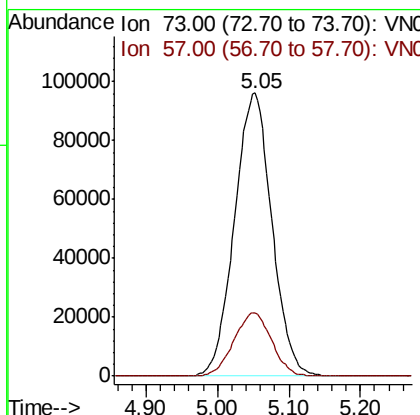
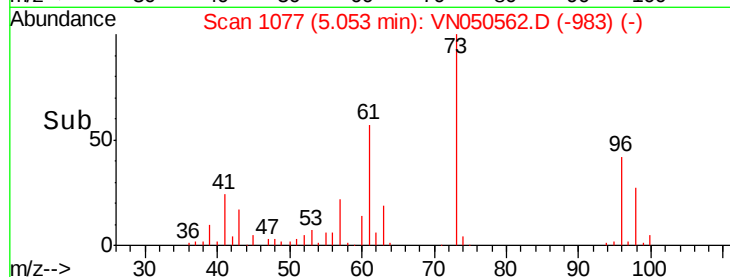
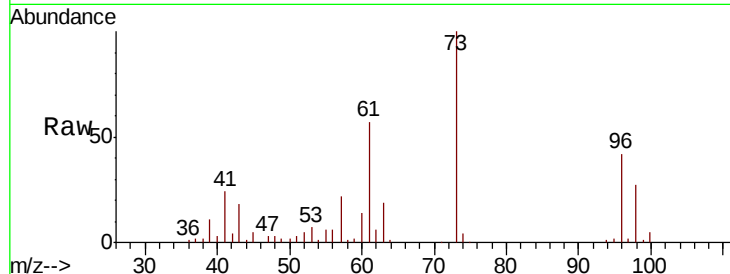
#19
Methyl tert-butyl Ether
Concen: 18.29 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VN050562.D
Acq: 13 Aug 2018 12:40

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBS01

Tot Ion: 73 Resp: 350090
Ion Ratio Lower Upper
73 100
57 22.3 18.0 27.0

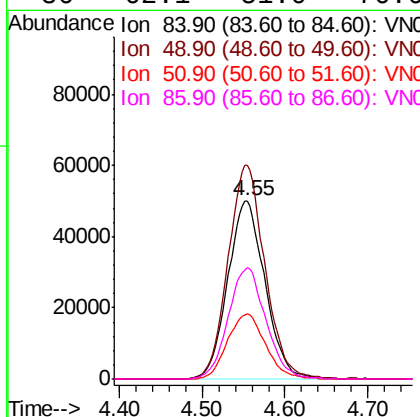
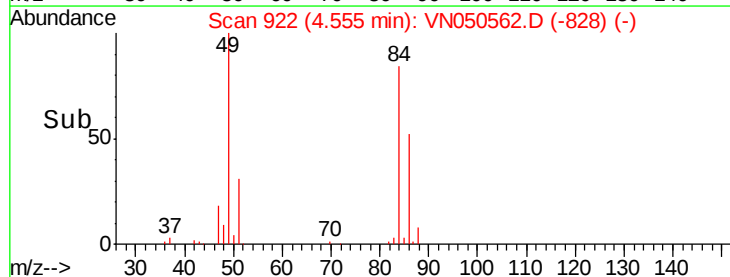
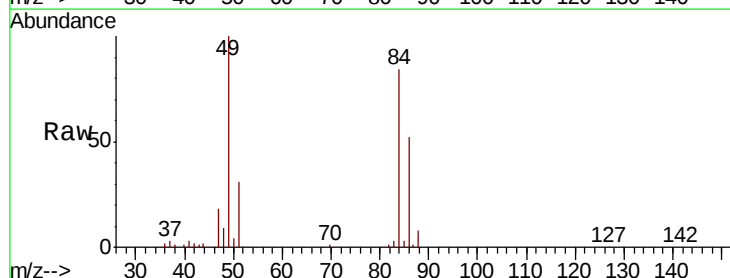
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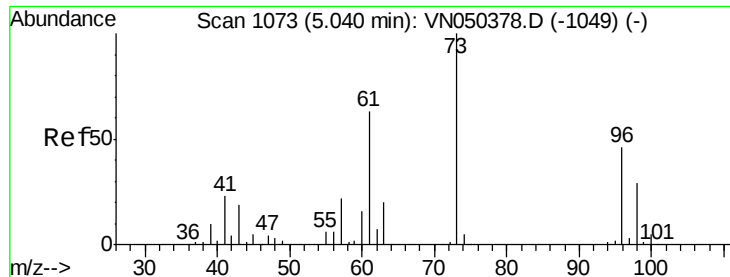
MMDadoda
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#20
Methylene Chloride
Concen: 19.60 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050562.D
Acq: 13 Aug 2018 12:40

Tgt Ion: 84 Resp: 156151
Ion Ratio Lower Upper
84 100
49 119.6 94.8 142.2
51 36.5 28.3 42.5
86 62.1 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 19.00 ug/l

RT: 5.05 min Scan# 1075

Delta R.T. 0.01 min

Lab File: VN050562.D

Acq: 13 Aug 2018 12:40

Instrument :

MSVOA_N

ClientSampleId :

VN0813WBS01

Tot Ion: 96 Resp: 138700

Ion Ratio Lower Upper

96 100

61 134.9 110.7 166.1

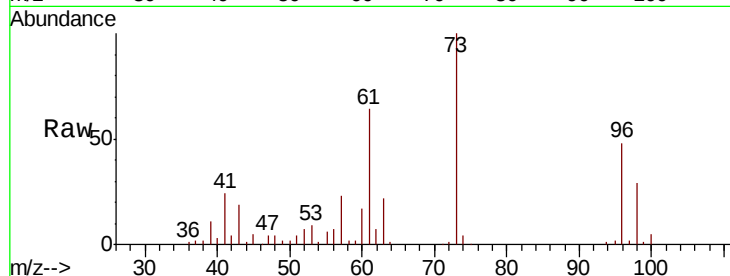
98 61.1 51.6 77.4

Manual Integrations

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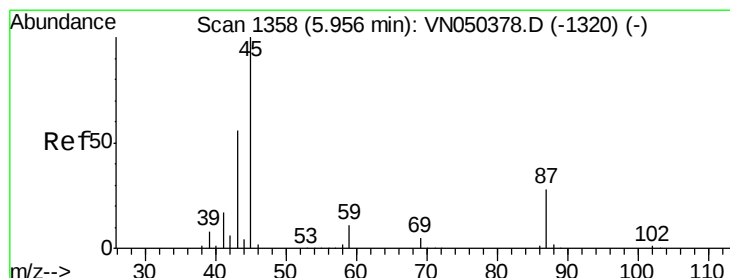
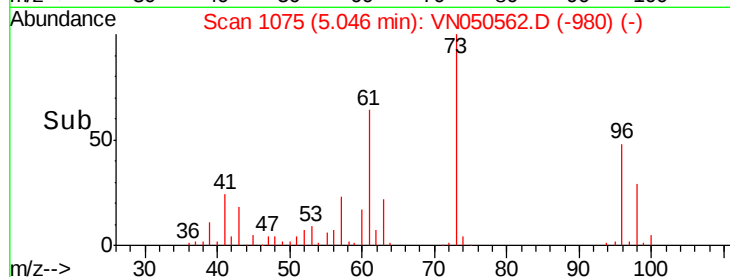
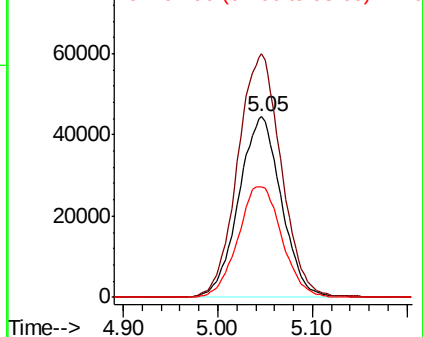


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 20.51 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VN050562.D

Acq: 13 Aug 2018 12:40

Tgt Ion: 45 Resp: 453933

Ion Ratio Lower Upper

45 100

43 60.2 45.7 68.5

87 27.2 22.7 34.1

59 11.7 9.5 14.3

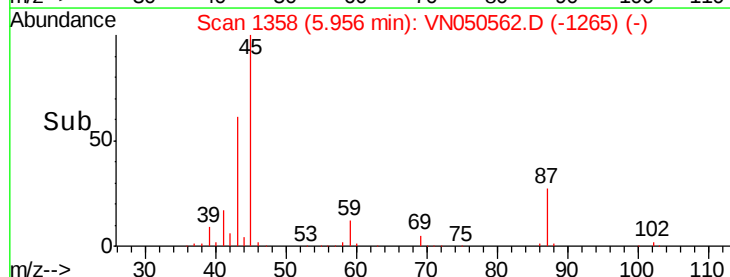
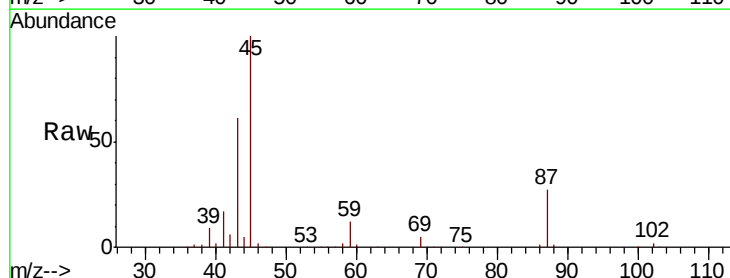
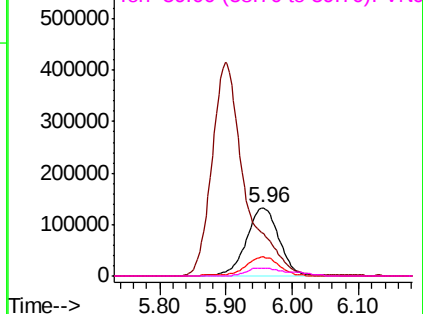
Abundance

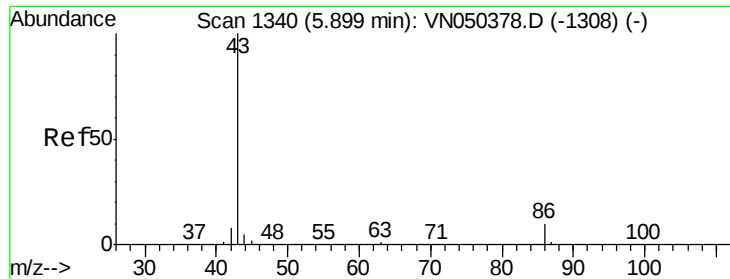
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





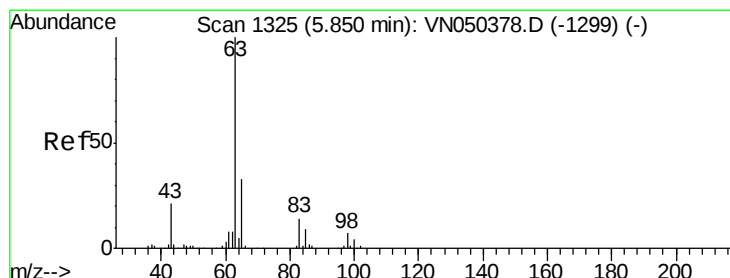
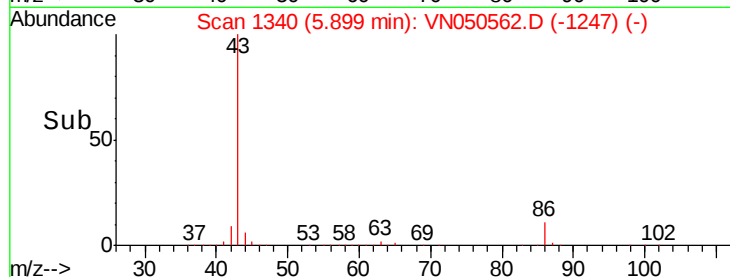
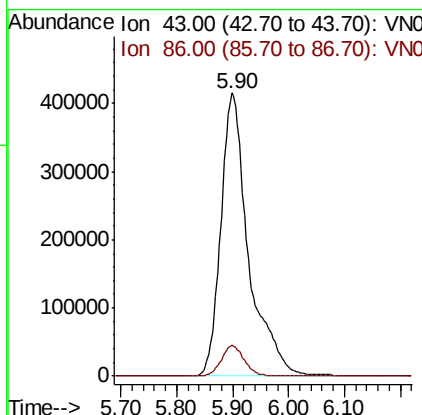
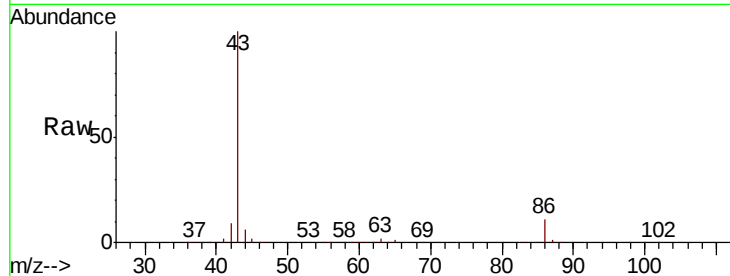
#23
 Vinyl Acetate
 Concen: 91.16 ug/l
 RT: 5.90 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VN050562.D
 Acq: 13 Aug 2018 12:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813WBS01

Tot Ion: 43 Resp: 1439263
 Ion Ratio Lower Upper
 43 100
 86 10.9 8.6 13.0

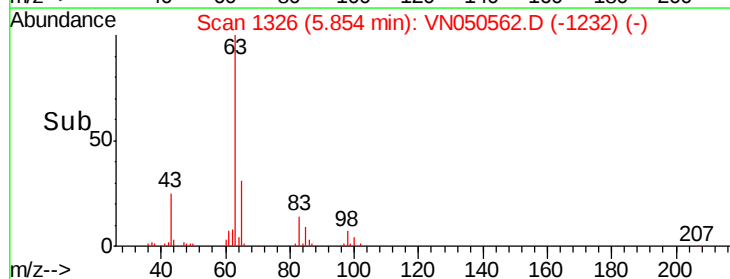
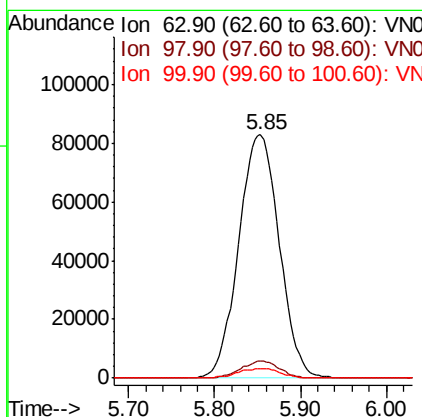
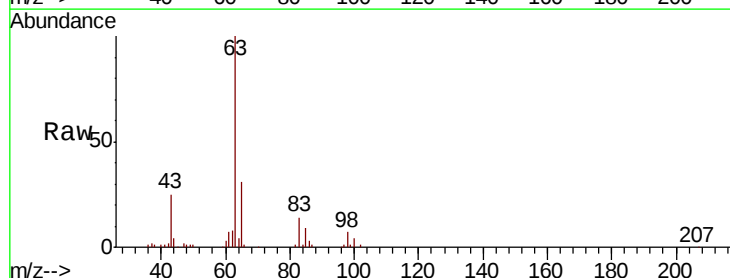
Manual Integrations
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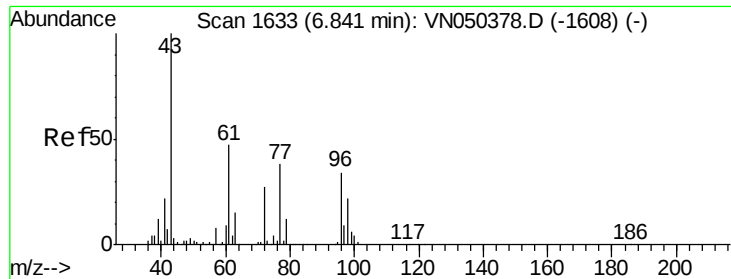
MMDadoda
 8/14/2018 12:50:52 PM



#24
 1,1-Dichloroethane
 Concen: 20.01 ug/l
 RT: 5.85 min Scan# 1326
 Delta R.T. 0.00 min
 Lab File: VN050562.D
 Acq: 13 Aug 2018 12:40

Tgt Ion: 63 Resp: 271687
 Ion Ratio Lower Upper
 63 100
 98 7.0 3.3 9.8
 100 4.0 2.1 6.3





#25

2-Butanone

Concen: 81.08 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VN050562.D

Acq: 13 Aug 2018 12:40

Instrument :

MSVOA_N

ClientSampleId :

VN0813WBS01

Tot Ion: 43 Resp: 334913

Ion Ratio Lower Upper

43 100

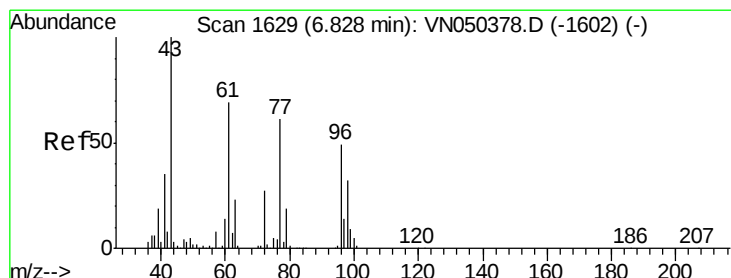
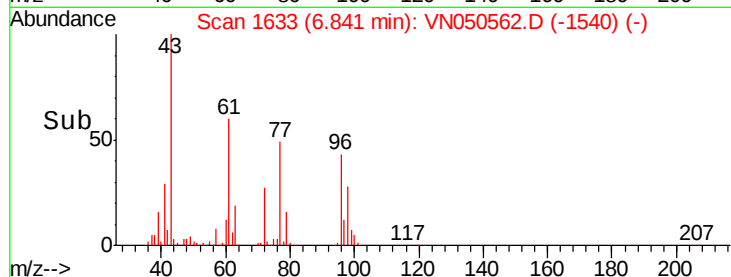
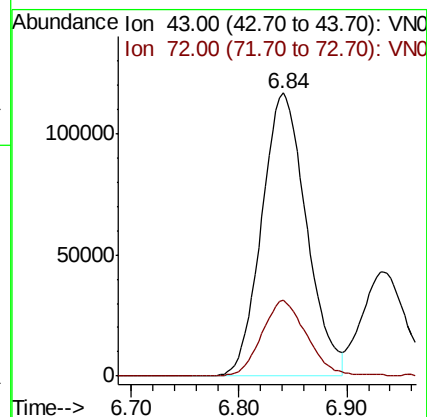
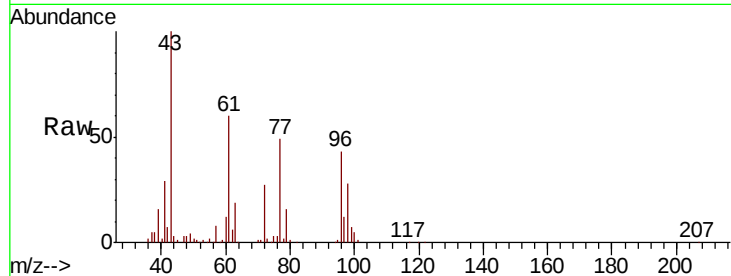
72 26.7 21.5 32.3

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.70 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VN050562.D

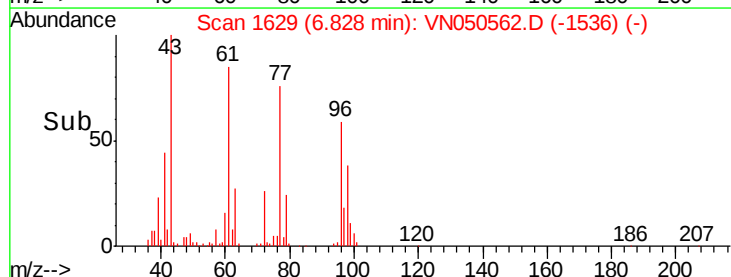
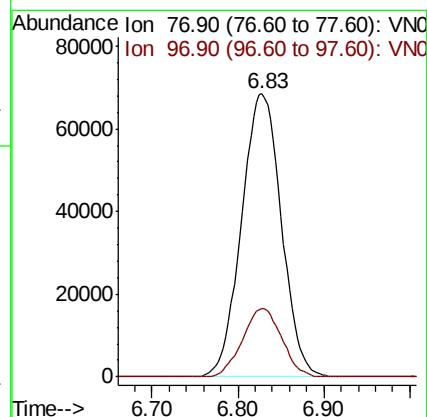
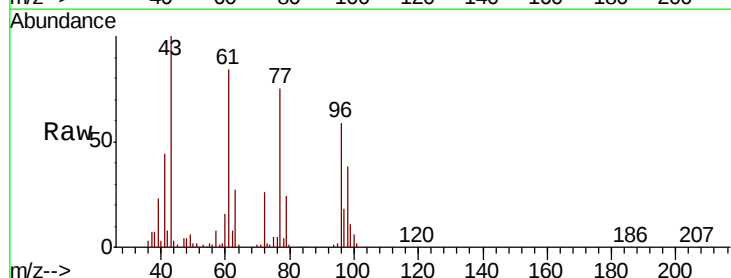
Acq: 13 Aug 2018 12:40

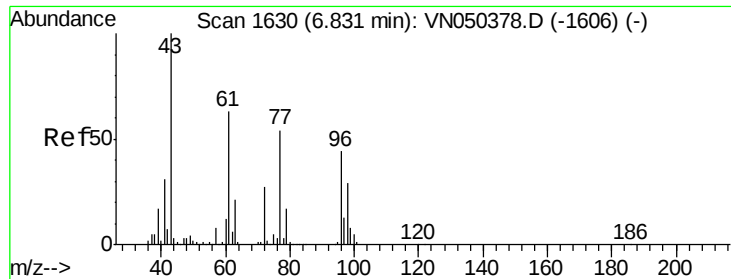
Tgt Ion: 77 Resp: 220463

Ion Ratio Lower Upper

77 100

97 23.8 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 19.77 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN050562.D

Acq: 13 Aug 2018 12:40

Instrument :

MSVOA_N

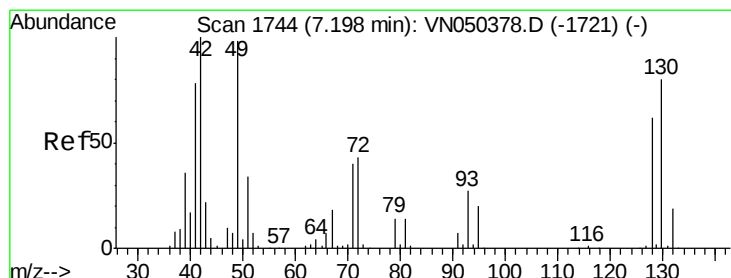
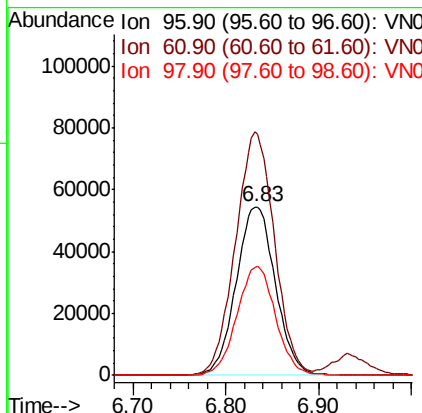
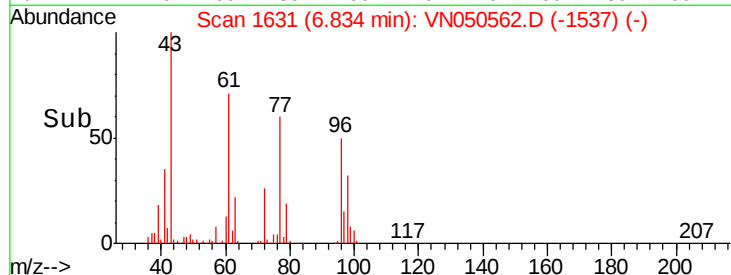
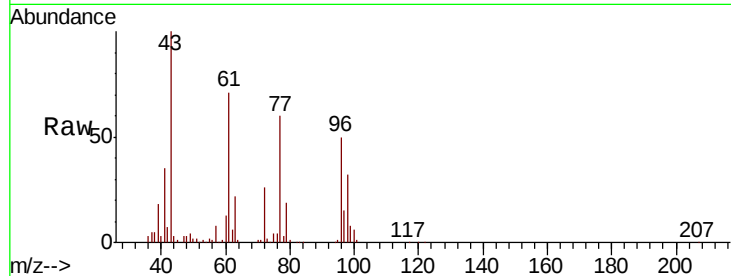
ClientSampleId :

VN0813WBS01

Tot Ion:	96	Resp:	159978
Ion	Ratio	Lower	Upper
96	100		
61	143.3	0.0	285.0
98	63.9	0.0	129.2

Manual Integrations
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#28

Bromochloromethane

Concen: 19.34 ug/l

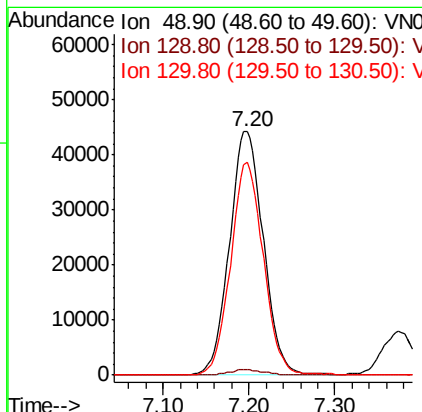
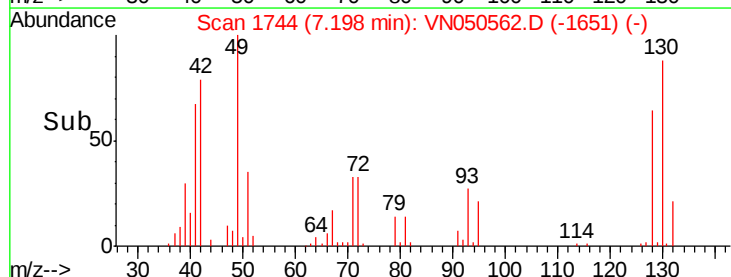
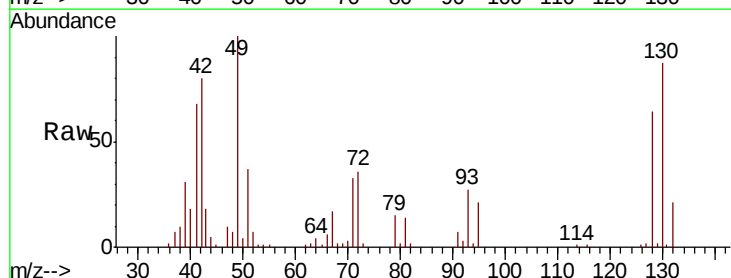
RT: 7.20 min Scan# 1744

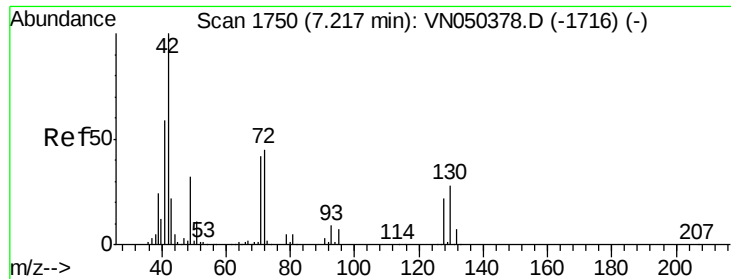
Delta R.T. 0.00 min

Lab File: VN050562.D

Acq: 13 Aug 2018 12:40

Tgt Ion:	49	Resp:	120855
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.0
130	83.9	66.3	99.5





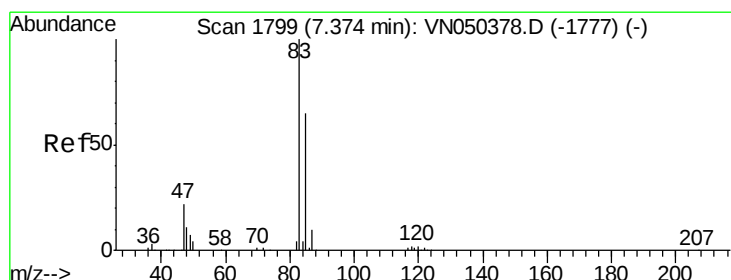
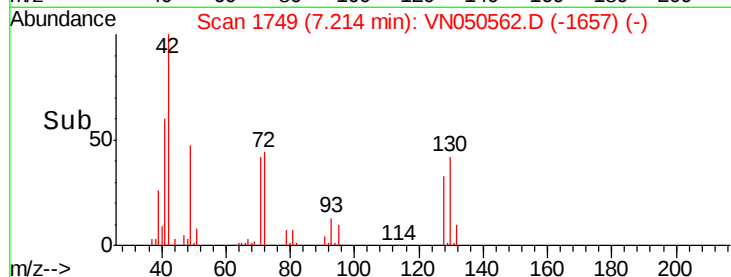
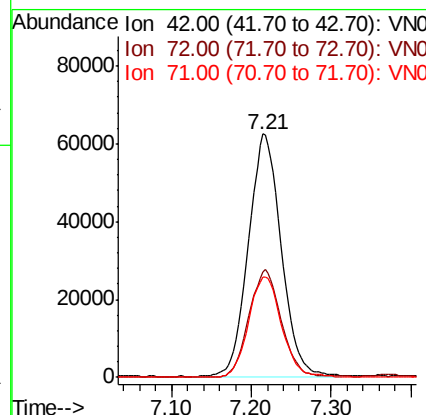
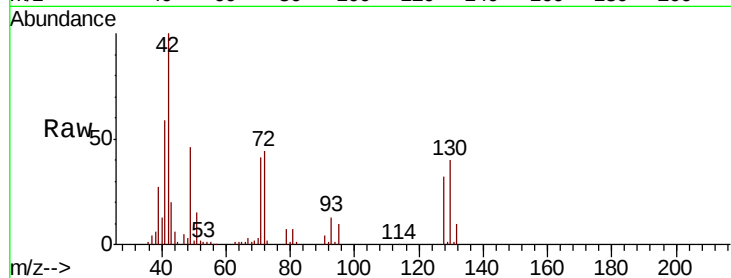
#29
Tetrahydrofuran
Concen: 79.55 ug/l
RT: 7.21 min Scan# 1749
Delta R.T. -0.00 min
Lab File: VN050562.D
Acq: 13 Aug 2018 12:40

Instrument :
MSVOA_N
ClientSampled :
VN0813WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.0	35.9	53.9
71	41.0	33.7	50.5

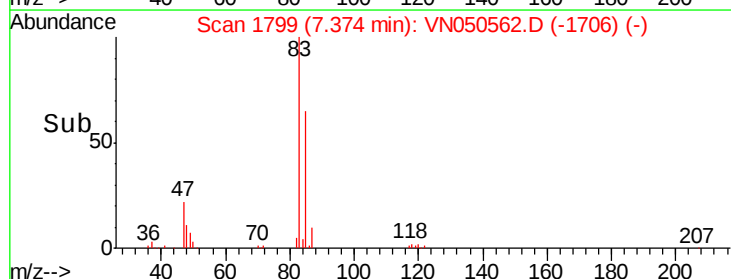
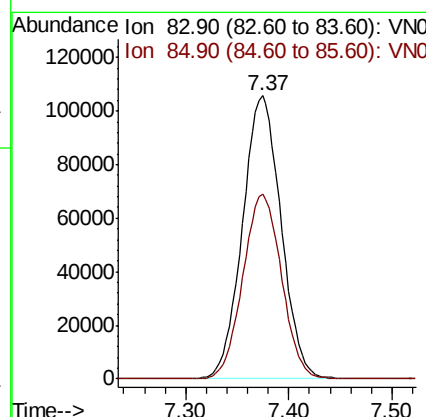
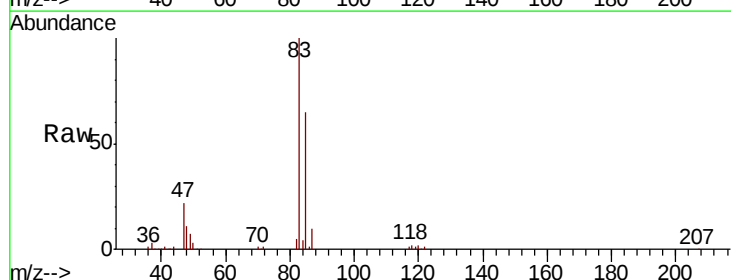
Manual Integrations
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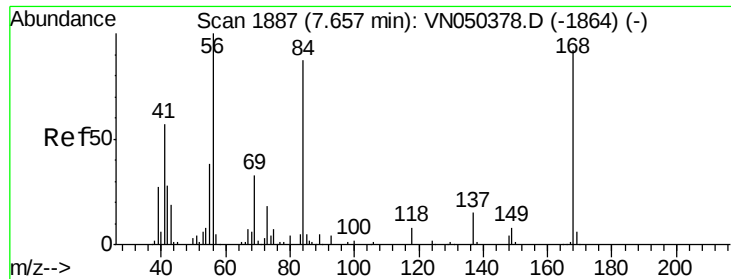
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#30
Chloroform
Concen: 20.23 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN050562.D
Acq: 13 Aug 2018 12:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.5	78.7





#31

Cyclohexane

Concen: 18.82 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN050562.D

Acq: 13 Aug 2018 12:40

Instrument :

MSVOA_N

ClientSampleId :

VN0813WBS01

Tot Ion: 56 Resp: 229631

Ion Ratio Lower Upper

56 100

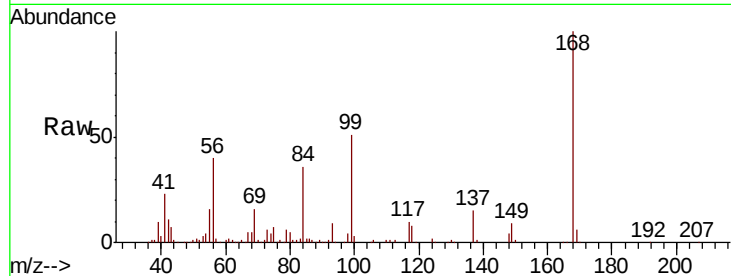
69 39.4 26.2 39.4#

84 87.8 67.4 101.0

Manual Integrations
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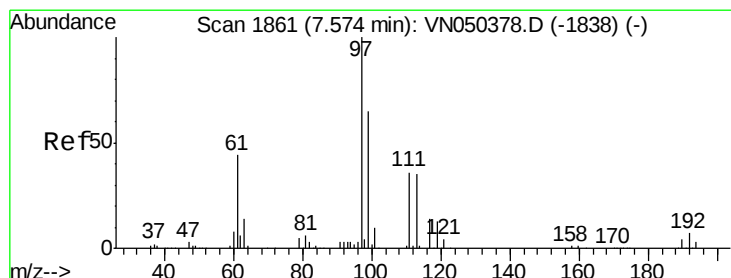
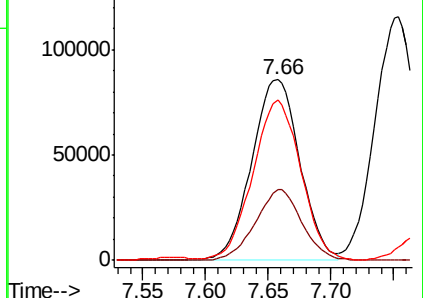
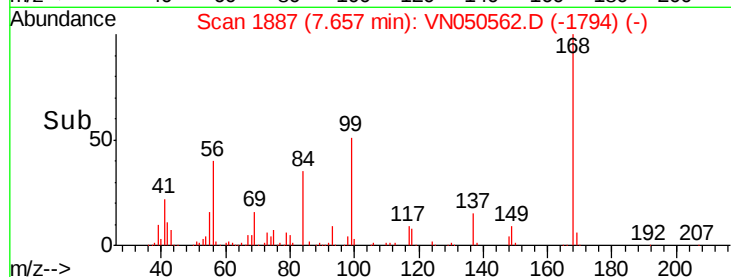
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 20.09 ug/l

RT: 7.57 min Scan# 1861

Delta R.T. -0.00 min

Lab File: VN050562.D

Acq: 13 Aug 2018 12:40

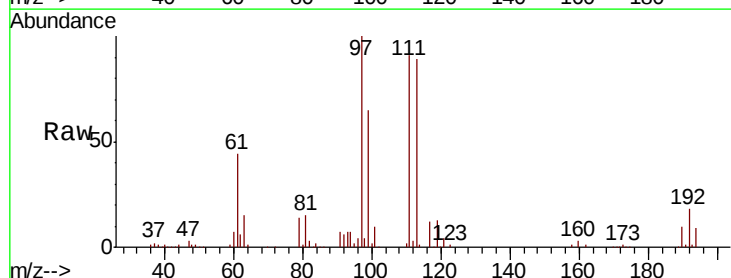
Tgt Ion: 97 Resp: 234136

Ion Ratio Lower Upper

97 100

99 64.8 51.4 77.0

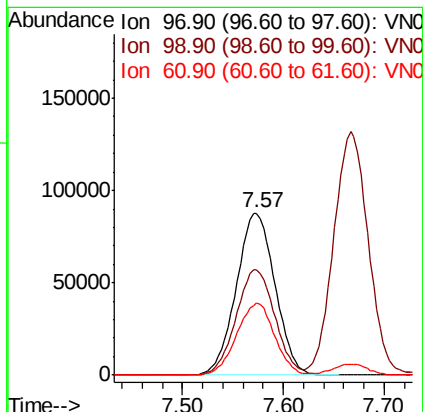
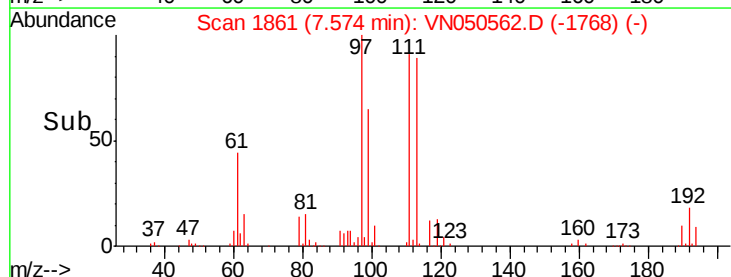
61 43.4 35.4 53.0

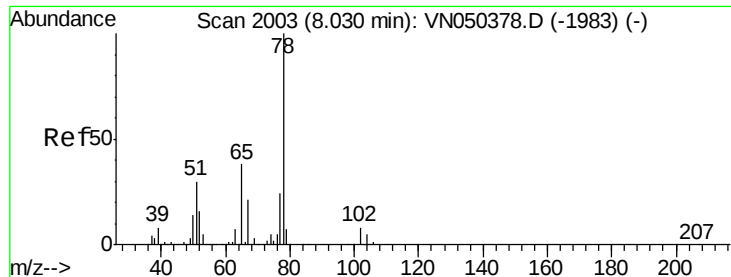


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 47.99 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050562.D

Acq: 13 Aug 2018 12:40

Instrument :

MSVOA_N

ClientSampleId :

VN0813WBS01

Tot Ion: 65 Resp: 400035

Ion Ratio Lower Upper

65 100

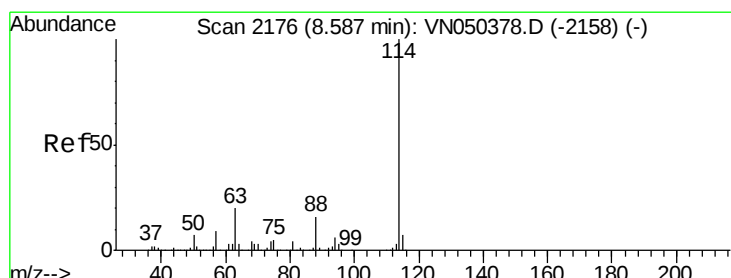
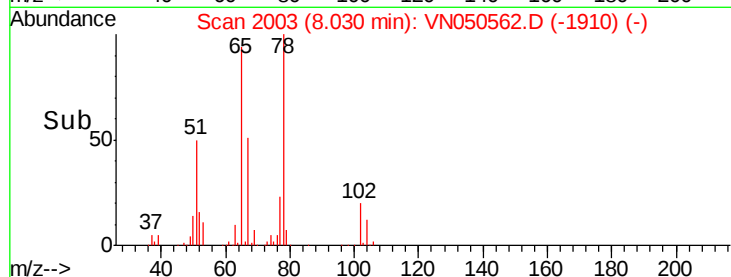
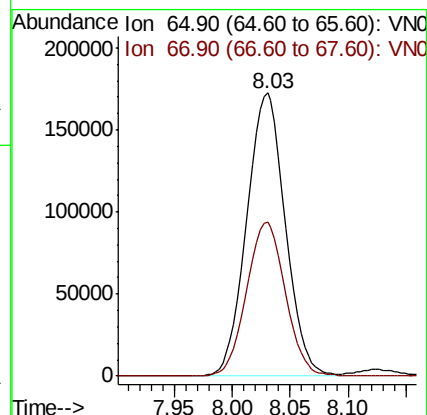
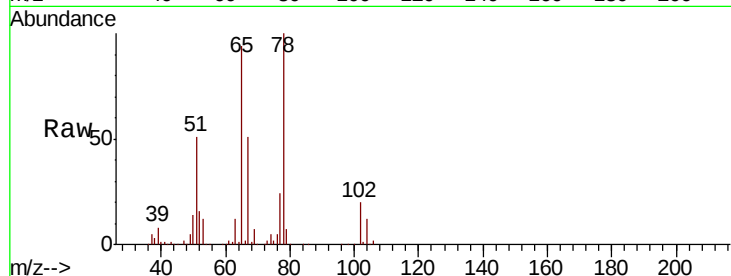
67 54.8 0.0 108.4

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VN050562.D

Acq: 13 Aug 2018 12:40

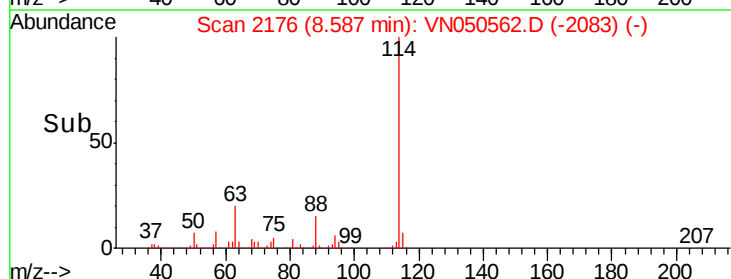
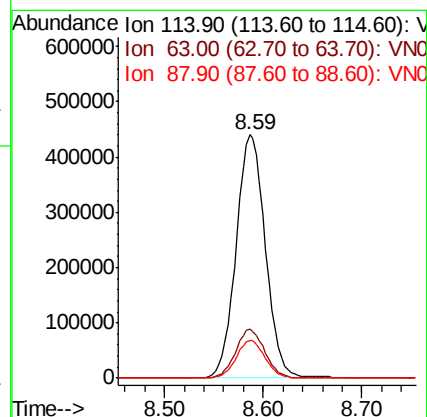
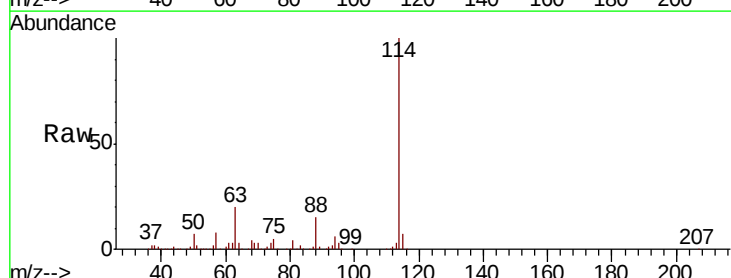
Tgt Ion: 114 Resp: 909595

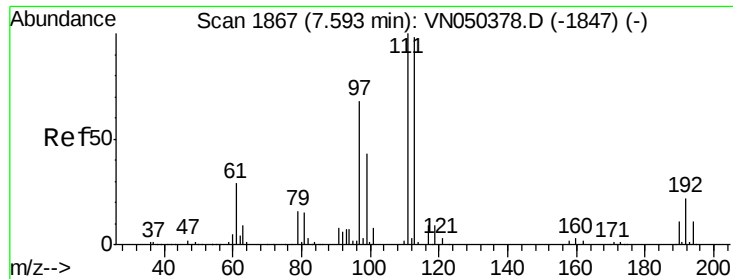
Ion Ratio Lower Upper

114 100

63 20.0 0.0 40.0

88 15.4 0.0 31.2





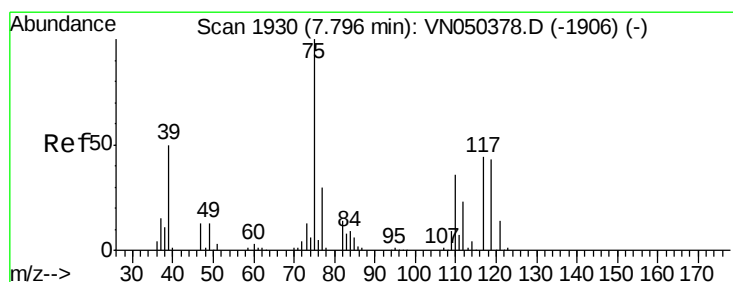
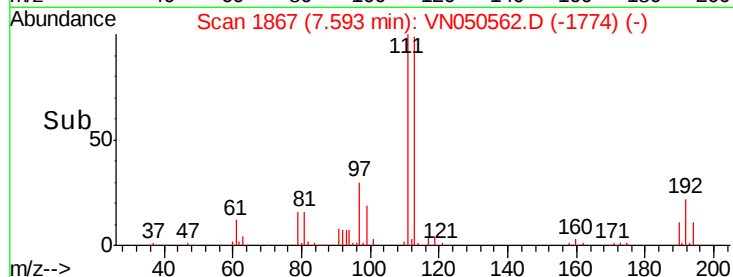
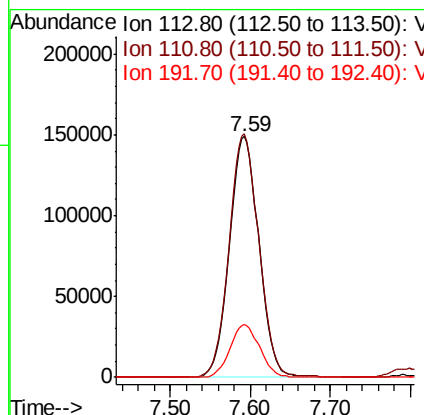
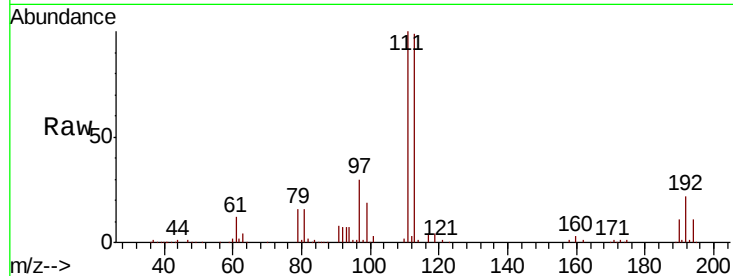
#35
 Dibromofluoromethane
 Concen: 51.31 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050562.D
 Acq: 13 Aug 2018 12:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	374518		
111	101.9	80.7	121.1	
192	21.9	17.8	26.6	

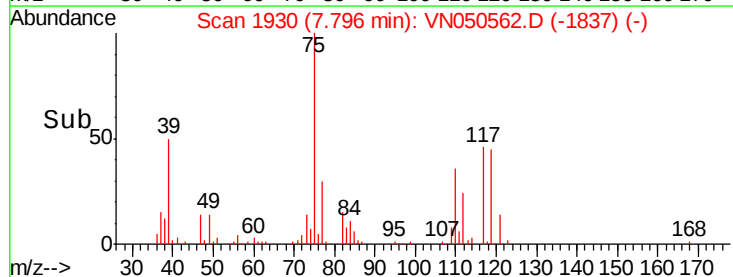
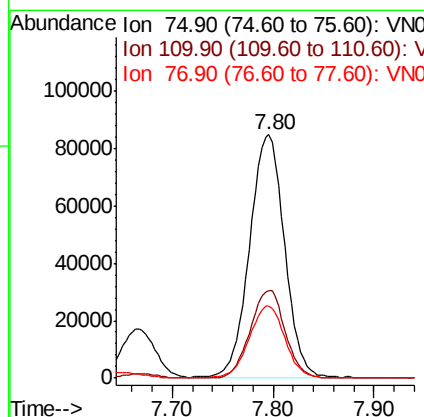
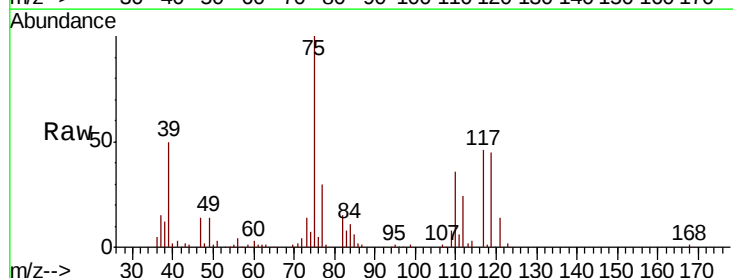
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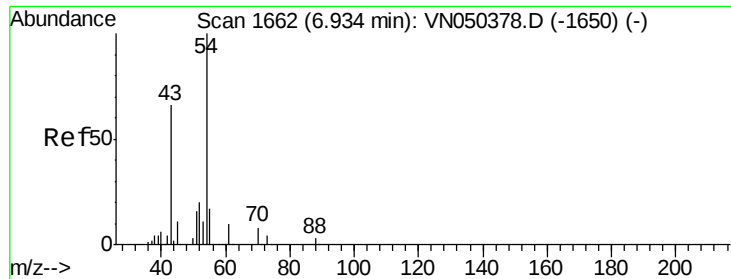
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#36
 1,1-Dichloropropene
 Concen: 20.26 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050562.D
 Acq: 13 Aug 2018 12:40

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	202493		
110	36.2	18.4	55.2	
77	30.6	25.3	37.9	





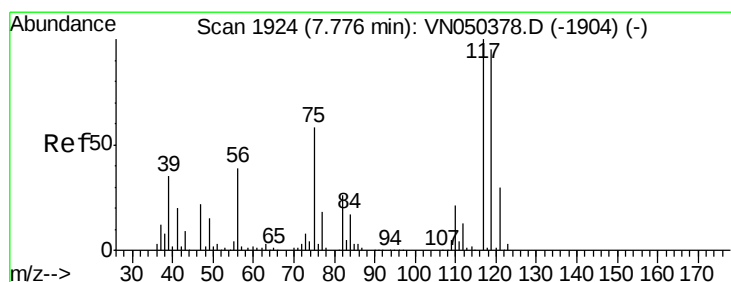
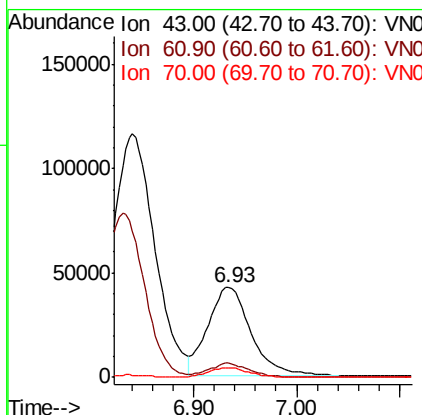
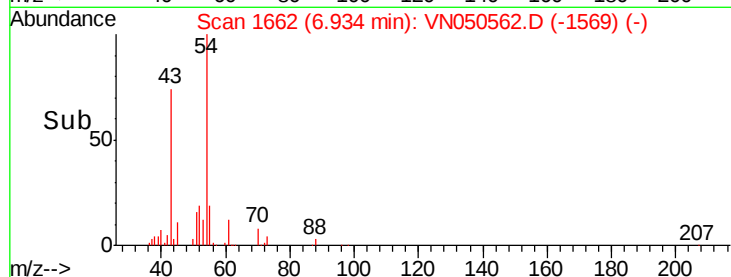
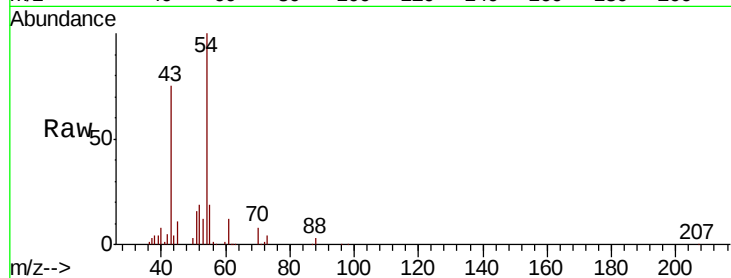
#37
Ethyl Acetate
Concen: 17.15 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VN050562.D
Acq: 13 Aug 2018 12:40

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.8	17.8
70	10.4	8.4	12.6

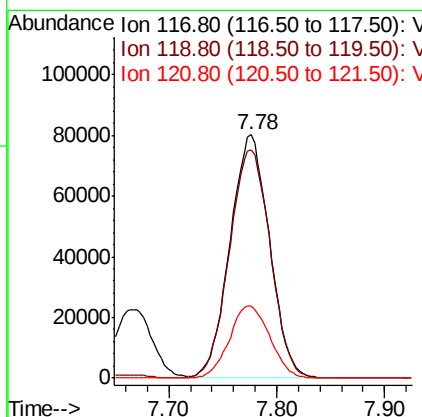
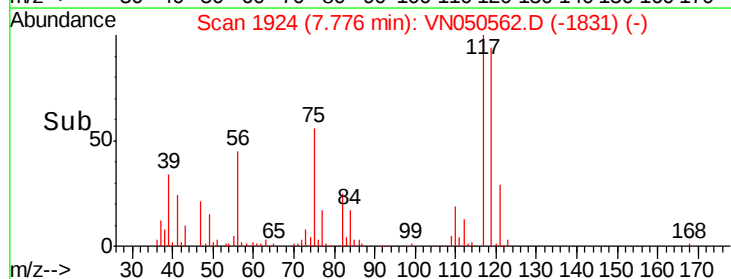
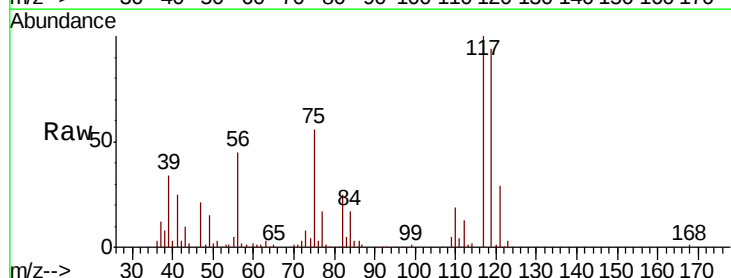
Manual Integrations
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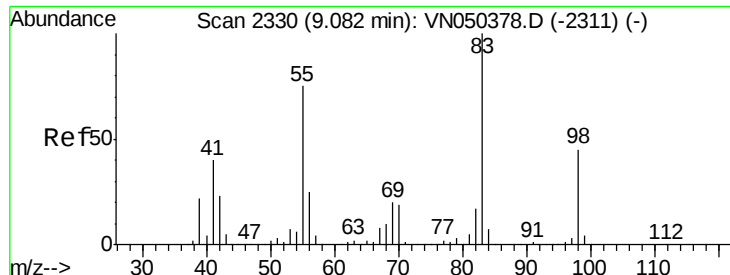
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#38
Carbon Tetrachloride
Concen: 19.55 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. -0.00 min
Lab File: VN050562.D
Acq: 13 Aug 2018 12:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.0	77.4	116.0
121	29.4	23.9	35.9





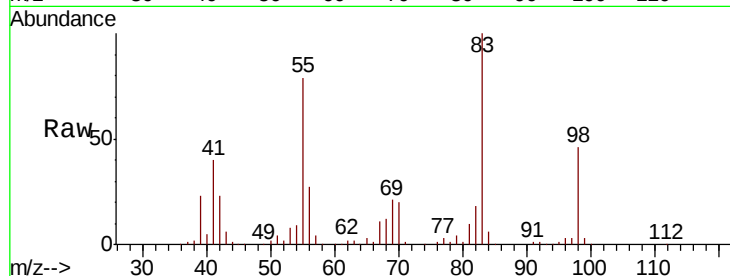
#39
Methvlcvclohexane
Concen: 18.64 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN050562.D
Acq: 13 Aug 2018 12:40

Instrument :
MSVOA_N
ClientSampled :
VN0813WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	203307		
55	79.1		61.8	92.8
98	46.3		36.5	54.7

Manual Integrations
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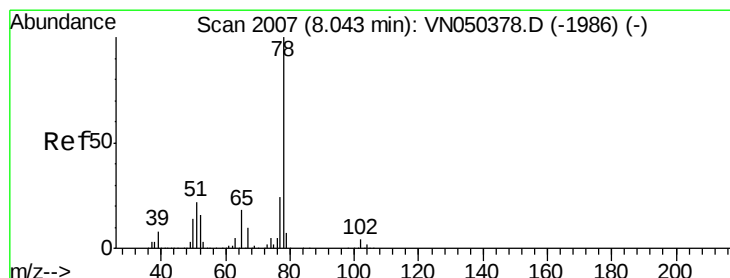
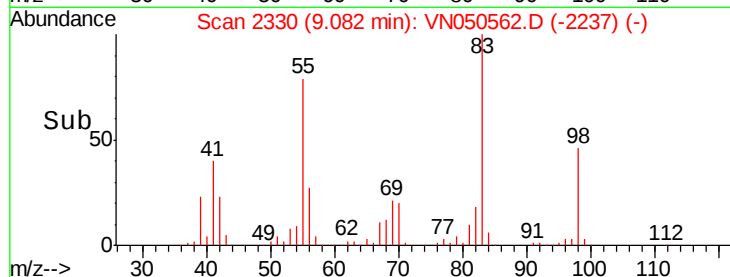
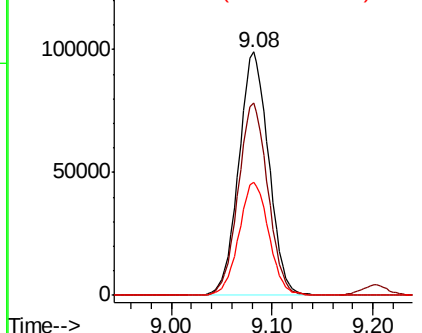


Abundance

Ion 83.00 (82.70 to 83.70): VN0

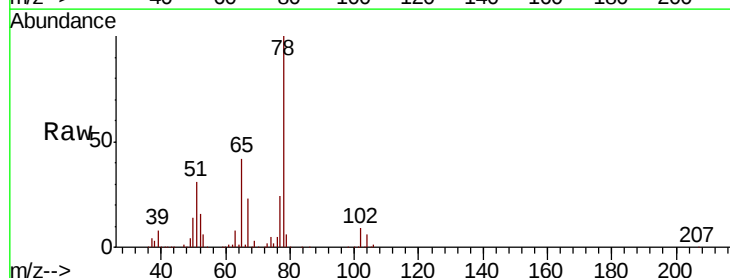
Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#40
Benzene
Concen: 20.25 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN050562.D
Acq: 13 Aug 2018 12:40

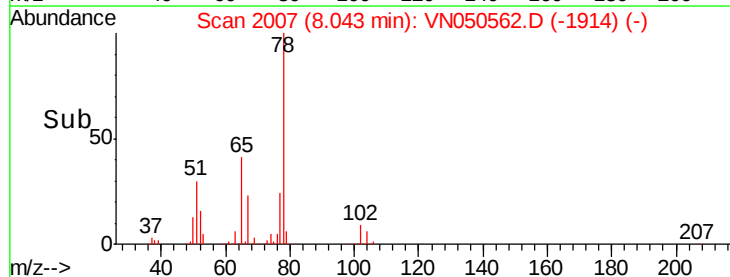
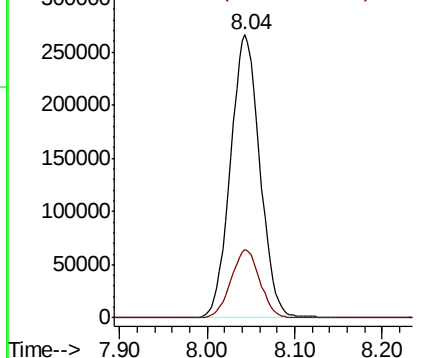
Tgt Ion	Ratio	Resp	Lower	Upper
78	100	622055		
77	24.0		18.7	28.1

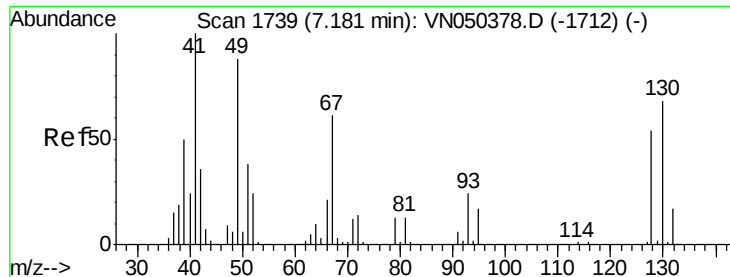


Abundance

Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





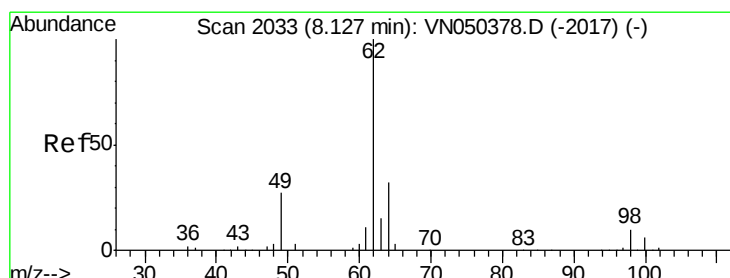
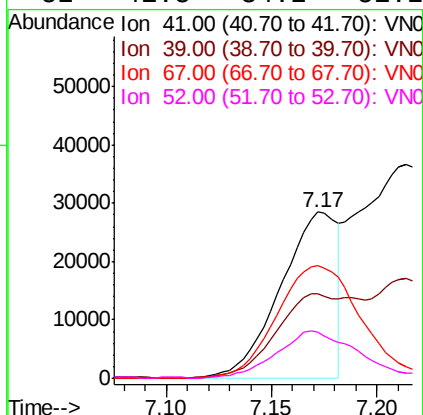
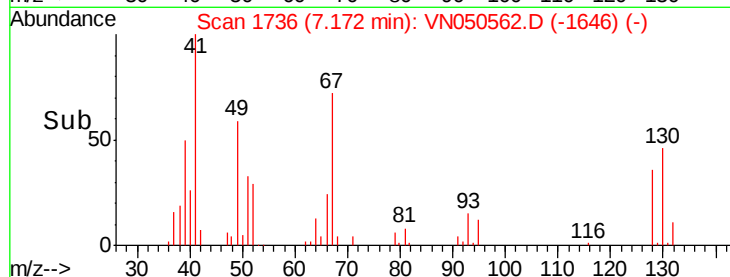
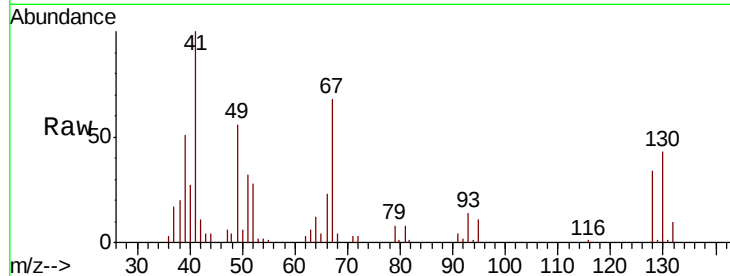
#41
Methacrylonitrile
Concen: 13.93 ug/l
RT: 7.17 min Scan# 1736
Delta R.T. -0.01 min
Lab File: VN050562.D
Acq: 13 Aug 2018 12:40

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	54.2	55.8	83.6#
67	101.1	84.3	126.5
52	41.8	34.2	51.2

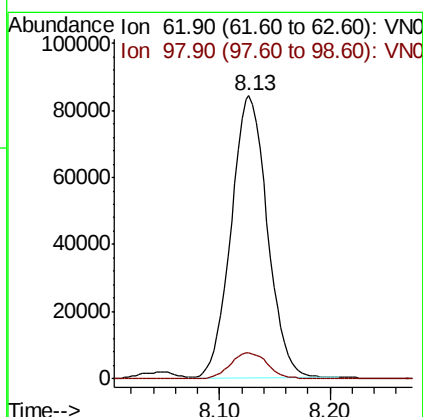
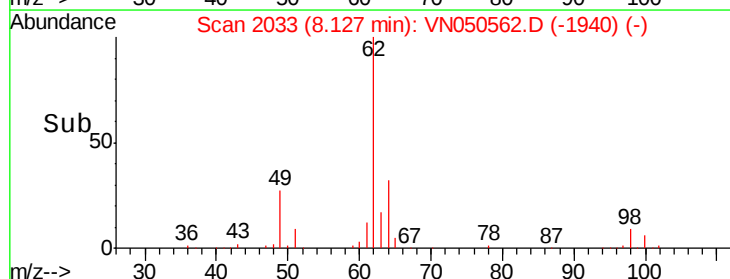
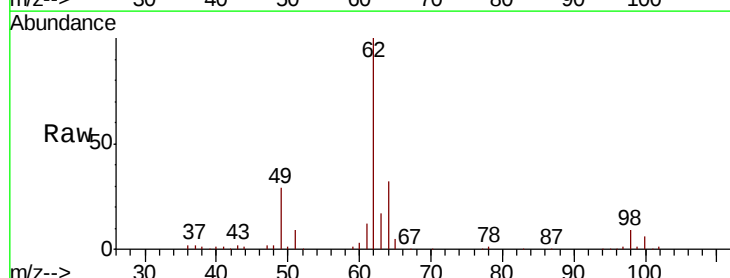
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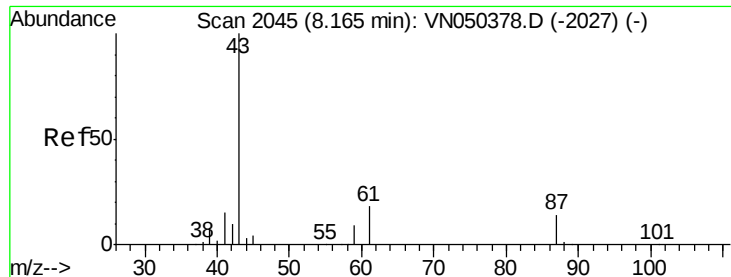
MMDadoda
8/14/2018 12:50:52 PM



#42
1,2-Dichloroethane
Concen: 19.61 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. -0.00 min
Lab File: VN050562.D
Acq: 13 Aug 2018 12:40

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	18.8





#43

Isopropyl Acetate

Concen: 17.53 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. -0.00 min

Lab File: VN050562.D

Acq: 13 Aug 2018 12:40

Instrument :

MSVOA_N

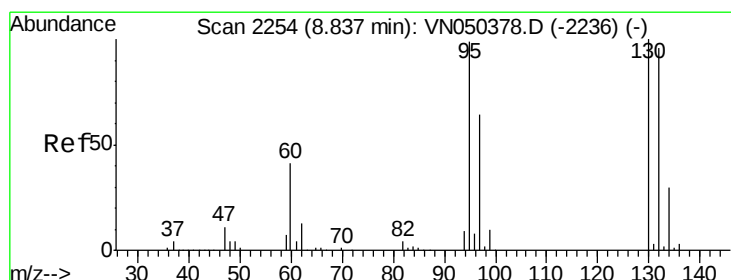
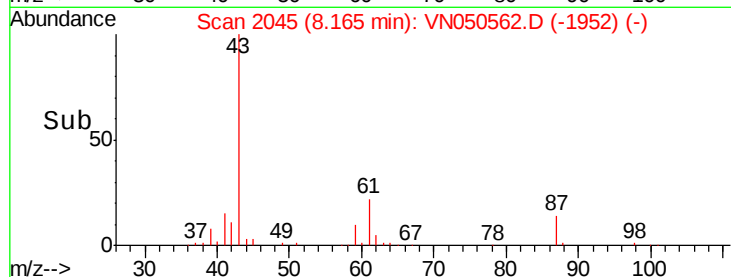
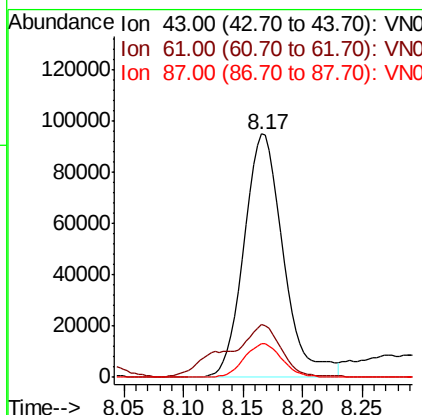
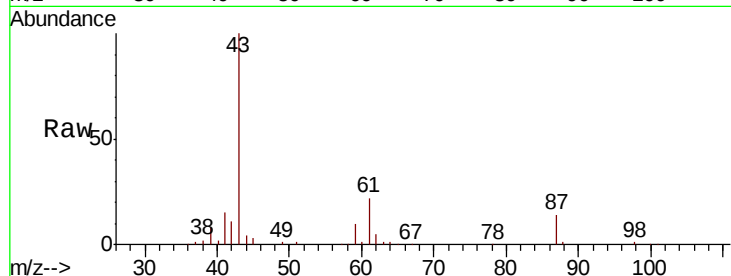
ClientSampleId :

VN0813WBS01

Tot Ion:	43	Resp:	217761
Ion	Ratio	Lower	Upper
43	100		
61	28.9	15.8	23.6#
87	13.4	10.3	15.5

Manual Integrations
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#44

Trichloroethene

Concen: 19.72 ug/l

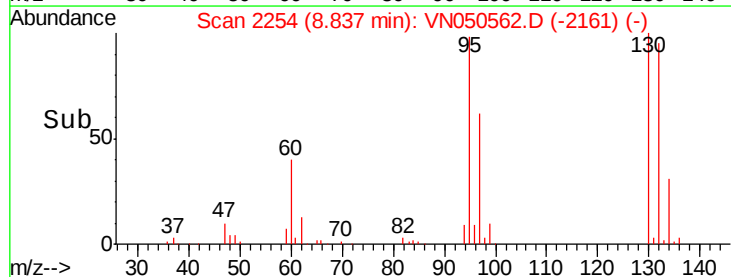
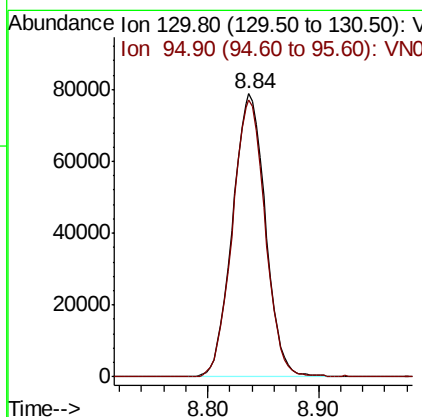
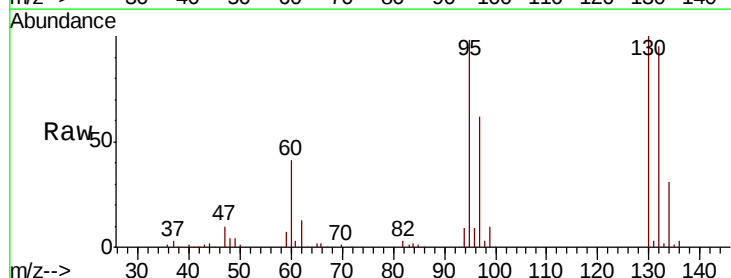
RT: 8.84 min Scan# 2254

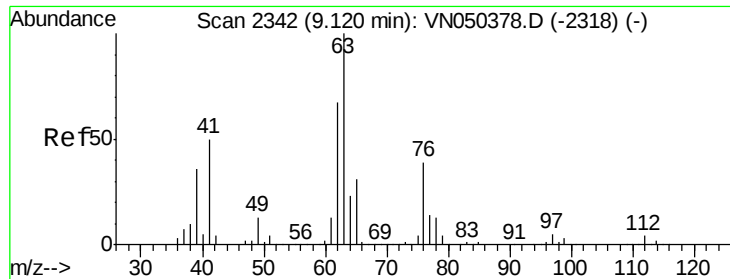
Delta R.T. -0.00 min

Lab File: VN050562.D

Acq: 13 Aug 2018 12:40

Tgt Ion:	130	Resp:	162828
Ion	Ratio	Lower	Upper
130	100		
95	97.9	0.0	194.6





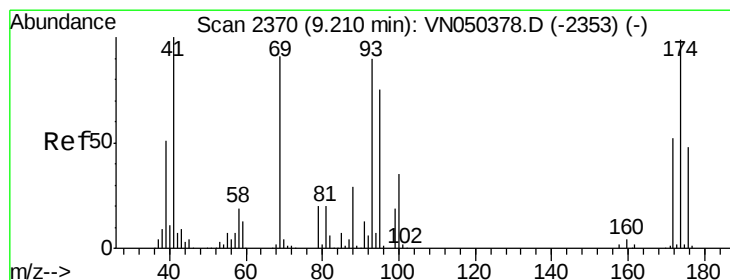
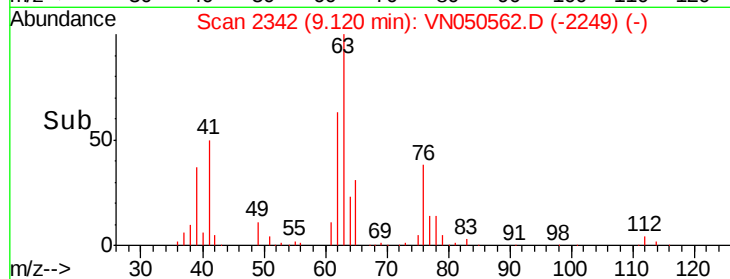
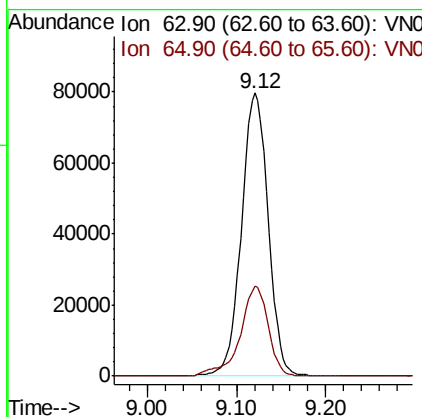
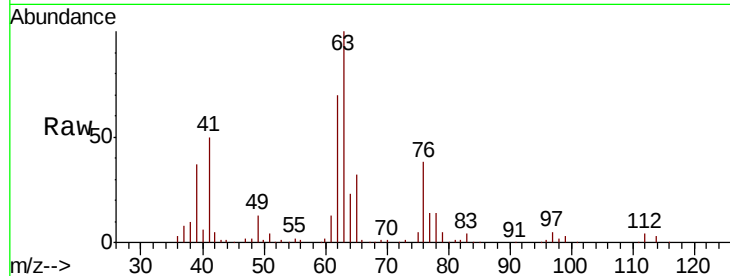
#45
 1,2-Dichloropropane
 Concen: 20.55 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN050562.D
 Acq: 13 Aug 2018 12:40

Instrument :
 MSVOA_N
 ClientSampled :
 VN0813WBS01

Tot Ion: 63 Resp: 166015
 Ion Ratio Lower Upper
 63 100
 65 31.7 25.5 38.3

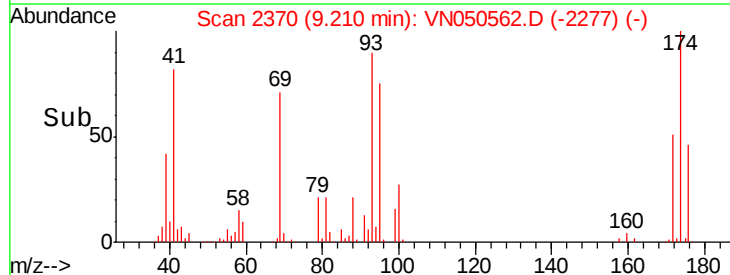
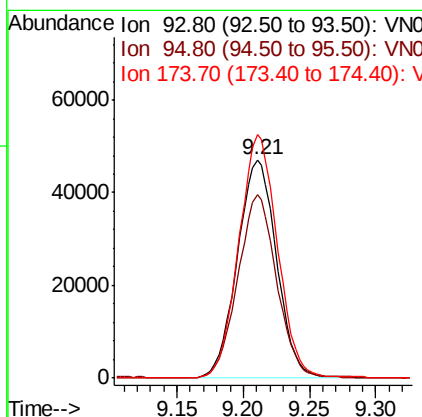
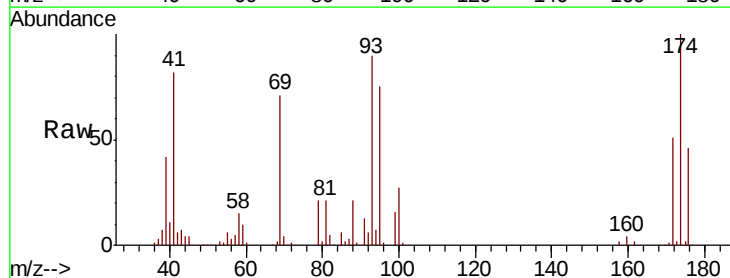
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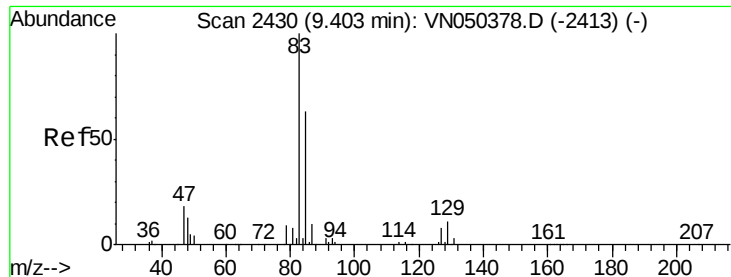
MMDadoda
 8/14/2018 12:50:52 PM



#46
 Dibromomethane
 Concen: 19.40 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050562.D
 Acq: 13 Aug 2018 12:40

Tgt Ion: 93 Resp: 96758
 Ion Ratio Lower Upper
 93 100
 95 83.3 66.6 100.0
 174 109.8 87.1 130.7





#47

Bromodichloromethane

Concen: 20.09 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN050562.D

Acq: 13 Aug 2018 12:40

Instrument :

MSVOA_N

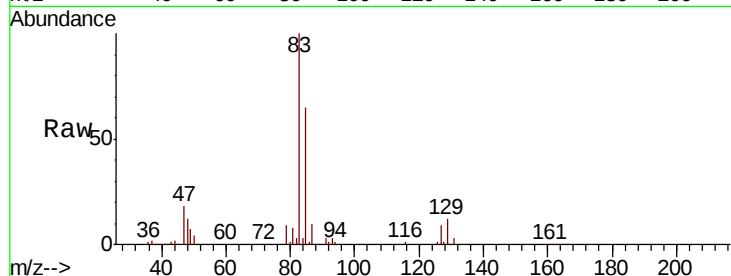
ClientSampled :

VN0813WBS01

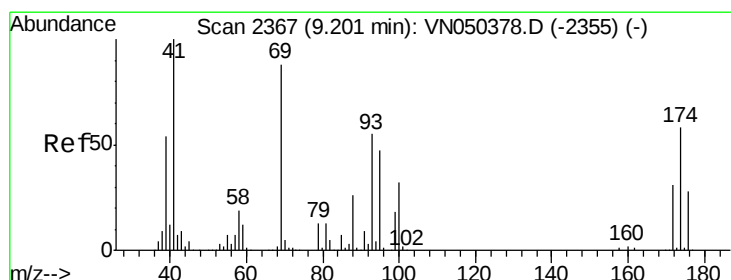
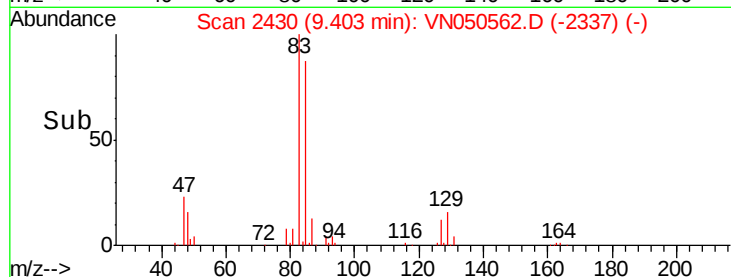
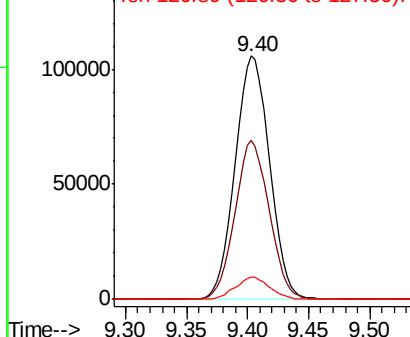
Tot Ion:	83	Resp:	207593
Ion Ratio	Lower	Upper	
83	100		
85	65.4	51.1	76.7
127	9.2	7.0	10.4

Manual Integrations
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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: 16.96 ug/l

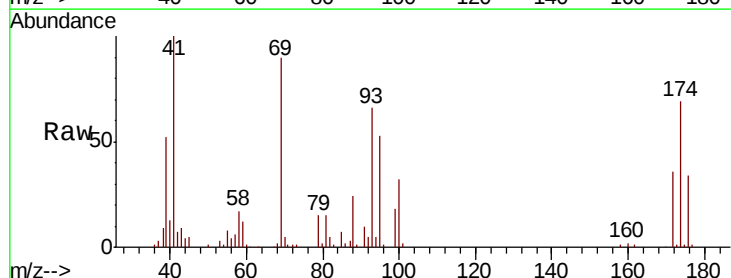
RT: 9.20 min Scan# 2367

Delta R.T. -0.00 min

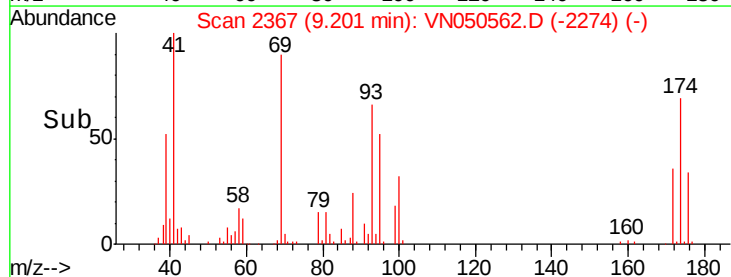
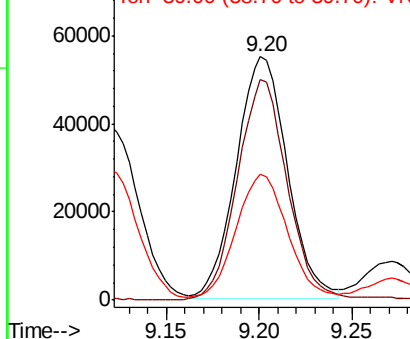
Lab File: VN050562.D

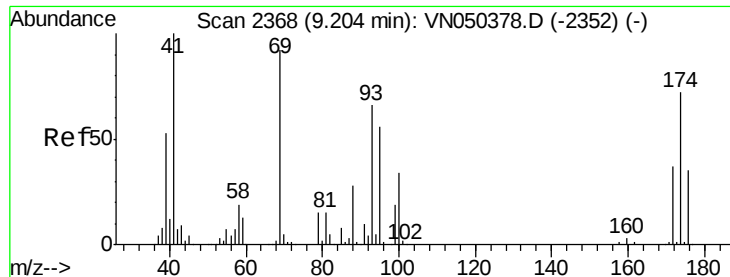
Acq: 13 Aug 2018 12:40

Tgt Ion:	41	Resp:	105641
Ion Ratio	Lower	Upper	
41	100		
69	89.0	70.6	105.8
39	52.5	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





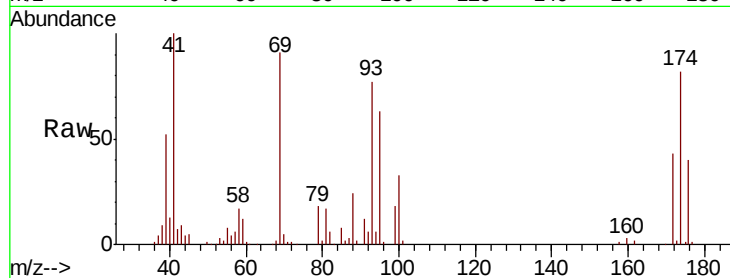
#49
1,4-Dioxane
Concen: 287.92 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN050562.D
Acq: 13 Aug 2018 12:40

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.9	26.9	40.3
58	74.2	57.3	85.9

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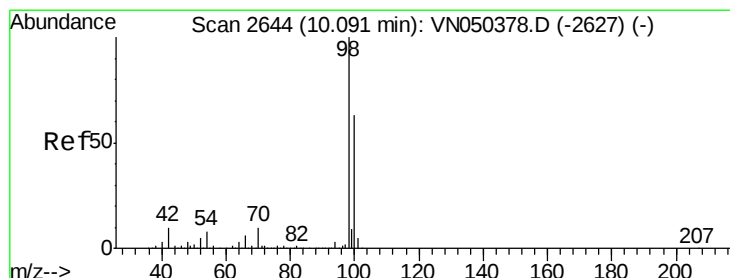
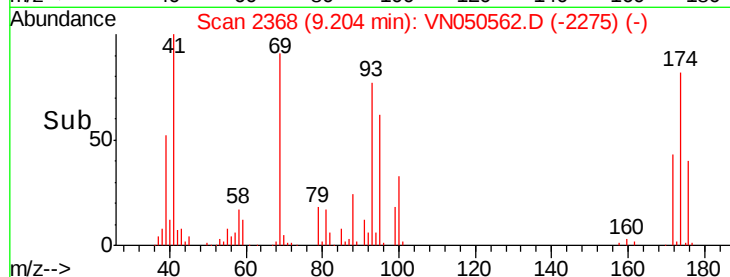
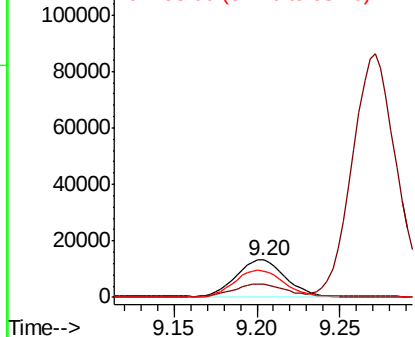


Abundance

Ion 88.00 (87.70 to 88.70): VN0

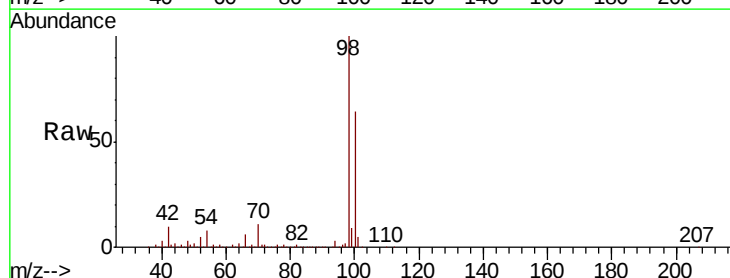
Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50
Toluene-d8
Concen: 50.13 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN050562.D
Acq: 13 Aug 2018 12:40

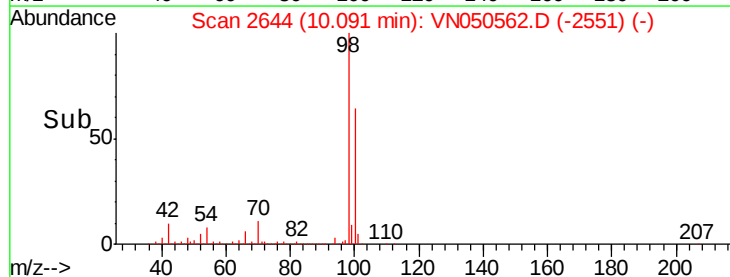
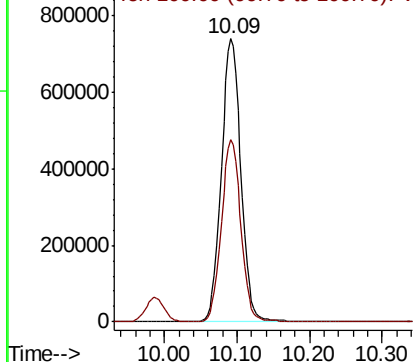
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	50.7	76.1

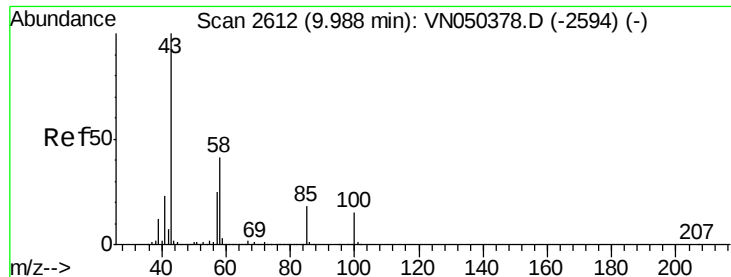


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 83.70 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN050562.D

Acq: 13 Aug 2018 12:40

Instrument :

MSVOA_N

ClientSampleId :

VN0813WBS01

Tot Ion: 43 Resp: 748919

Ion Ratio Lower Upper

43 100

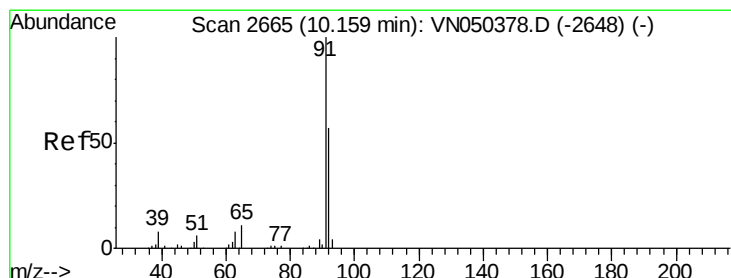
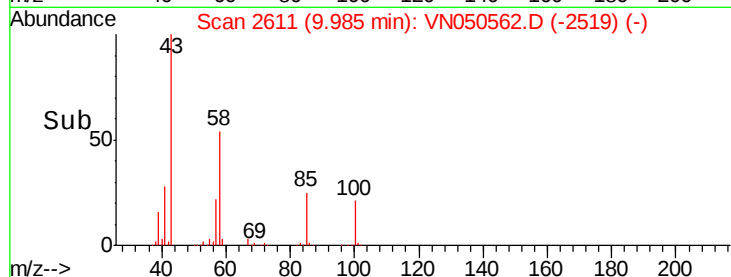
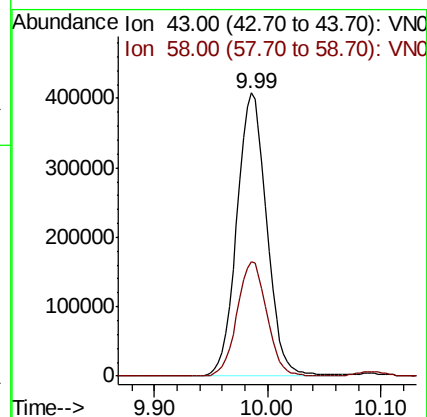
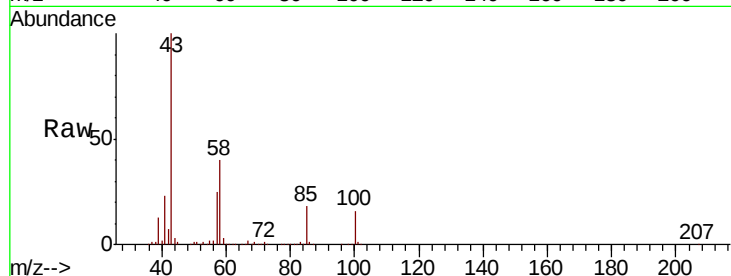
58 40.5 31.9 47.9

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#52

Toluene

Concen: 20.46 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050562.D

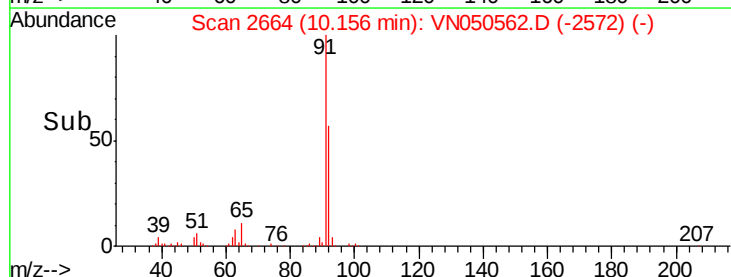
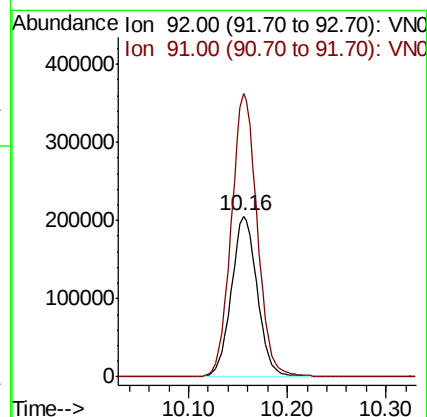
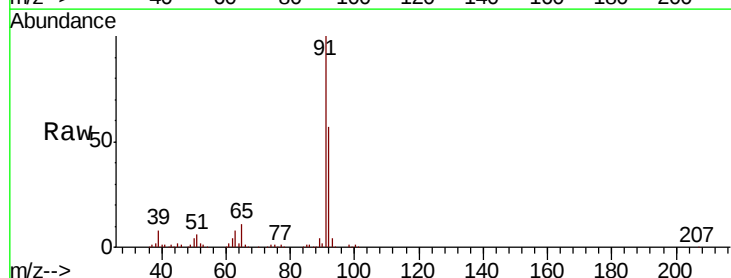
Acq: 13 Aug 2018 12:40

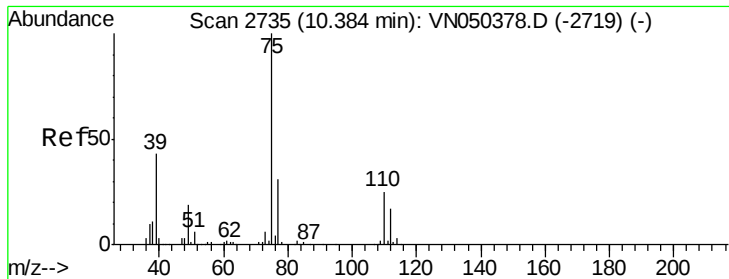
Tgt Ion: 92 Resp: 377588

Ion Ratio Lower Upper

92 100

91 176.5 140.3 210.5





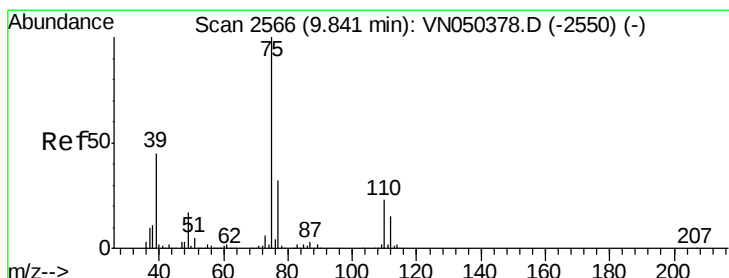
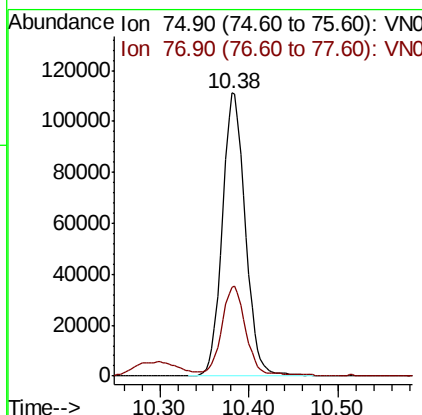
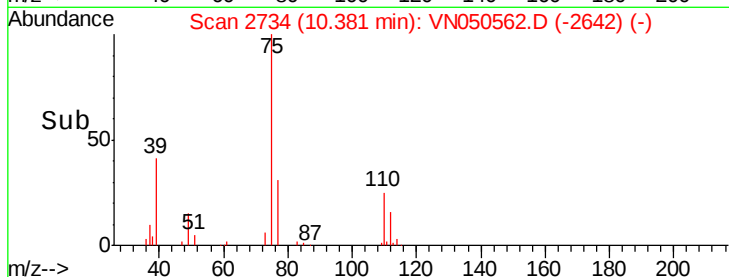
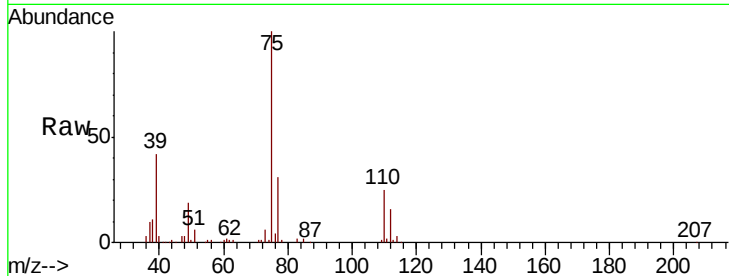
#53
t-1,3-Dichloropropene
Concen: 19.20 ug/l
RT: 10.38 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VN050562.D
Acq: 13 Aug 2018 12:40

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	24.9	37.3

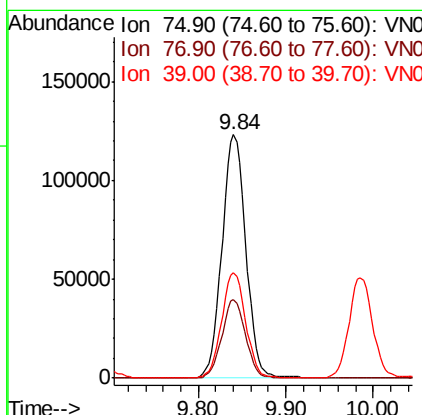
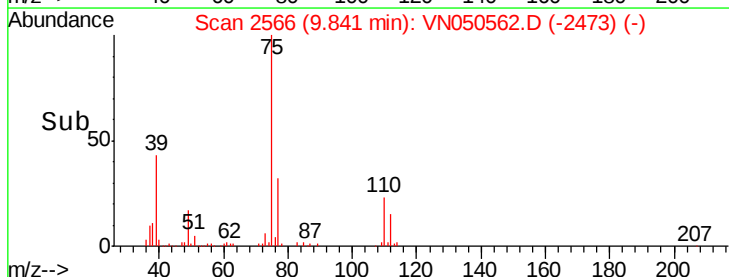
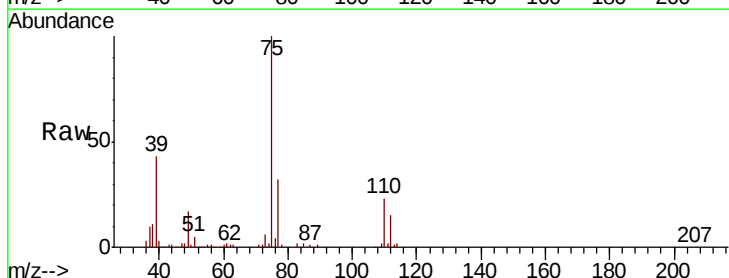
Manual Integrations
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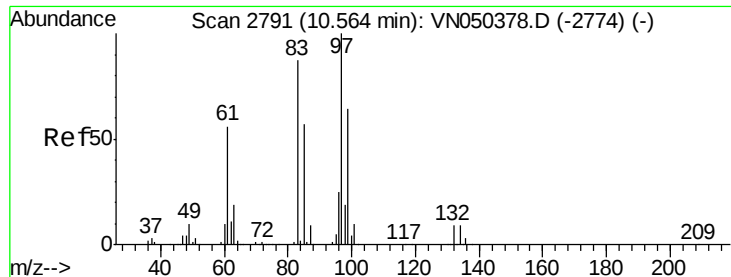
MMDadoda
8/14/2018 12:50:52 PM



#54
cis-1,3-Dichloropropene
Concen: 20.19 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VN050562.D
Acq: 13 Aug 2018 12:40

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.5	38.3
39	43.3	36.6	55.0





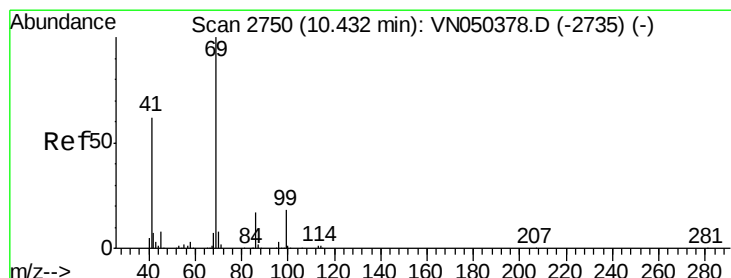
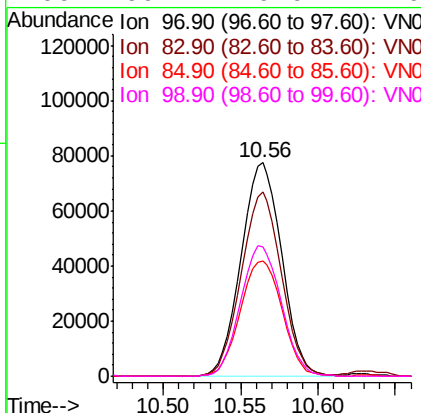
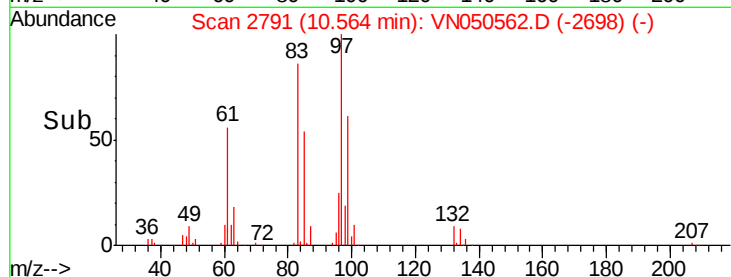
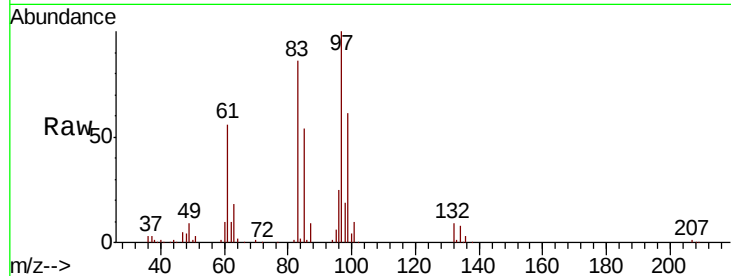
#55
 1,1,2-Trichloroethane
 Concen: 19.73 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050562.D
 Acq: 13 Aug 2018 12:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		142128		
83	86.3	69.2	103.8		
85	54.1	44.0	66.0		
99	60.7	49.9	74.9		

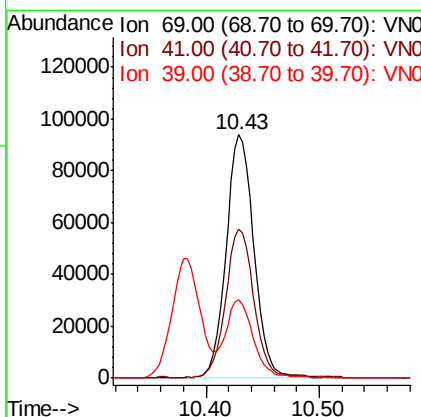
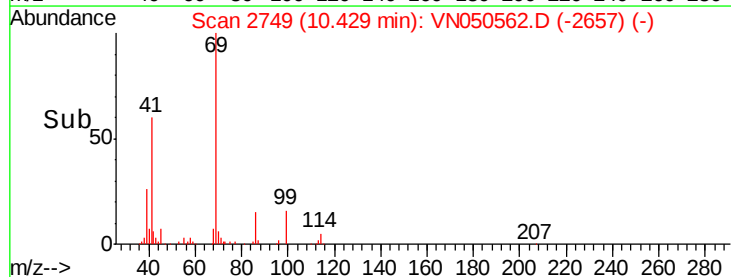
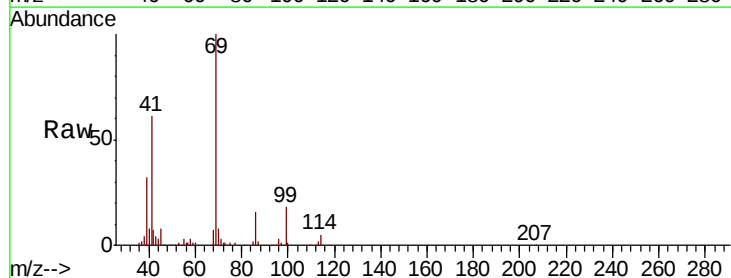
Manual Integrations
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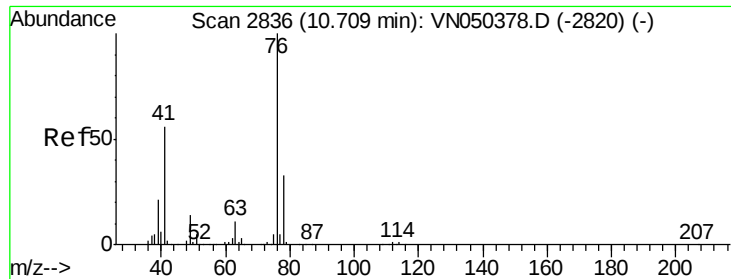
MMDadoda
 8/14/2018 12:50:52 PM



#56
 Ethyl methacrylate
 Concen: 16.98 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. -0.00 min
 Lab File: VN050562.D
 Acq: 13 Aug 2018 12:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		161170		
41	61.0	51.0	76.4		
39	30.8	26.6	40.0		





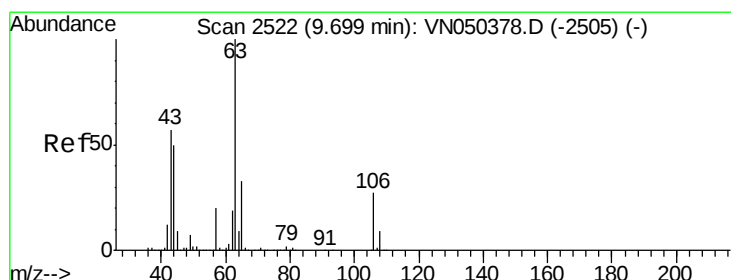
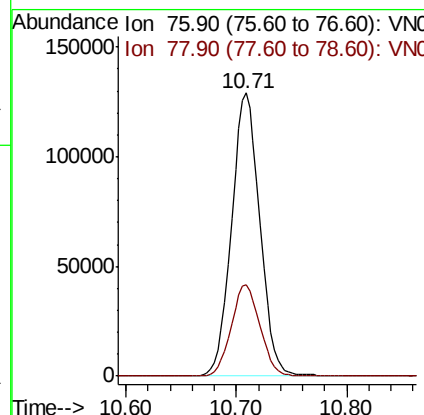
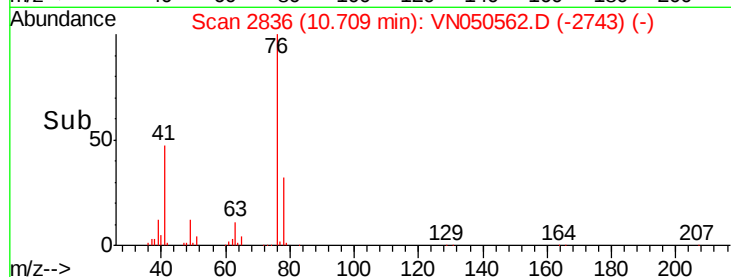
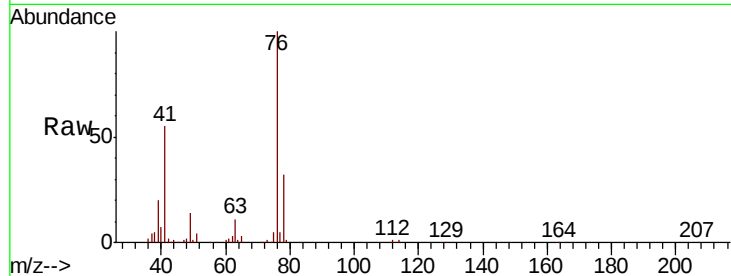
#57
 1,3-Dichloropropane
 Concen: 19.36 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050562.D
 Acq: 13 Aug 2018 12:40

Instrument :
 MSVOA_N
 ClientSampled :
 VN0813WBS01

Tot Ion: 76 Resp: 228935
 Ion Ratio Lower Upper
 76 100
 78 32.9 25.7 38.5

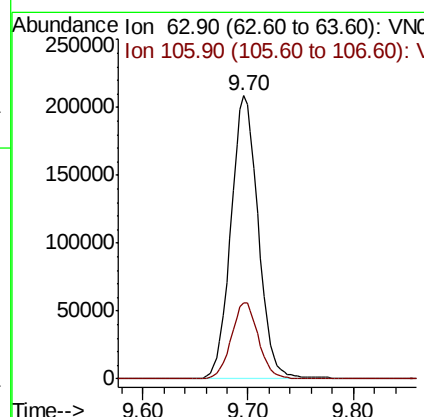
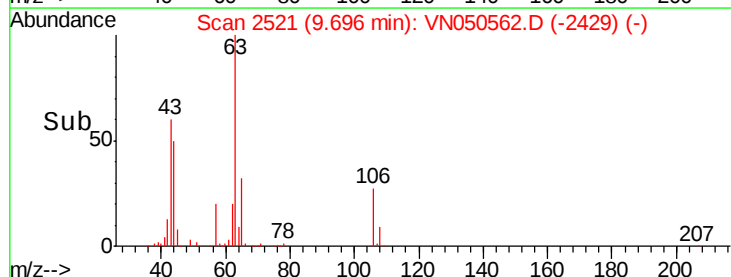
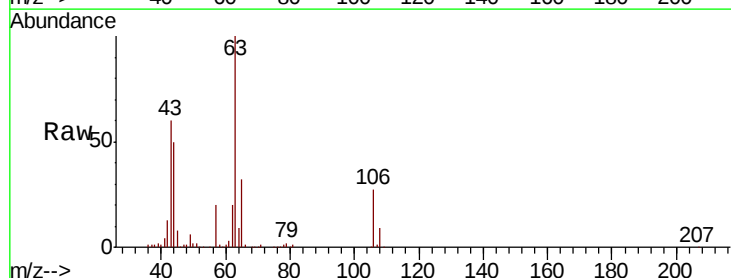
Manual Integrations
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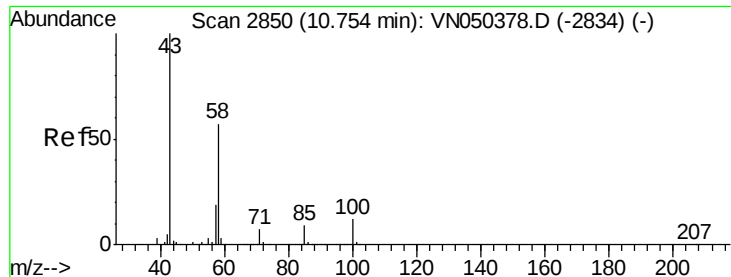
MMDadoda
 8/14/2018 12:50:52 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 83.61 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: VN050562.D
 Acq: 13 Aug 2018 12:40

Tgt Ion: 63 Resp: 373303
 Ion Ratio Lower Upper
 63 100
 106 26.8 21.7 32.5





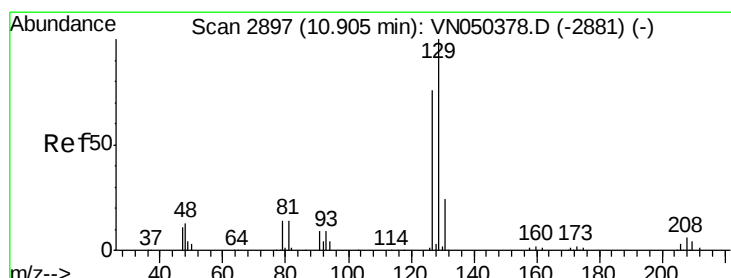
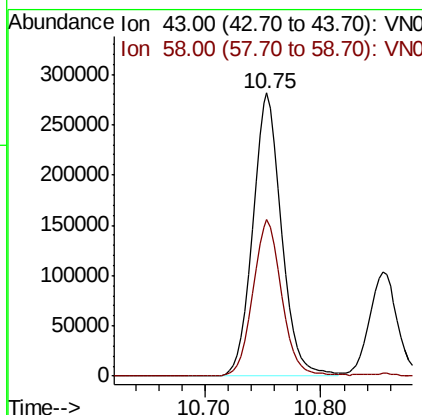
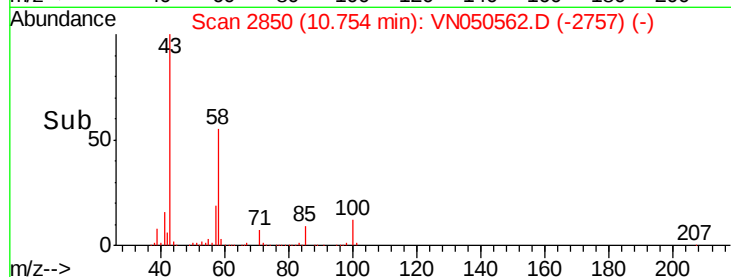
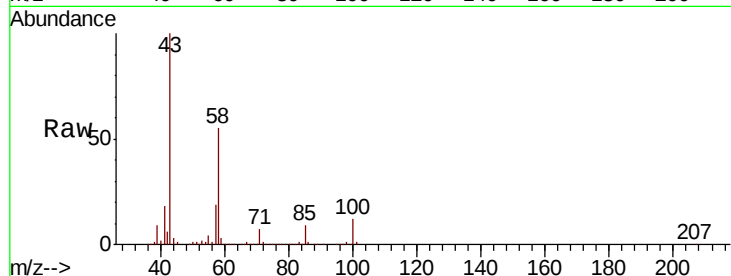
#59
2-Hexanone
Concen: 77.89 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN050562.D
Acq: 13 Aug 2018 12:40

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBS01

Tot Ion: 43 Resp: 486360
Ion Ratio Lower Upper
43 100
58 55.6 27.6 82.7

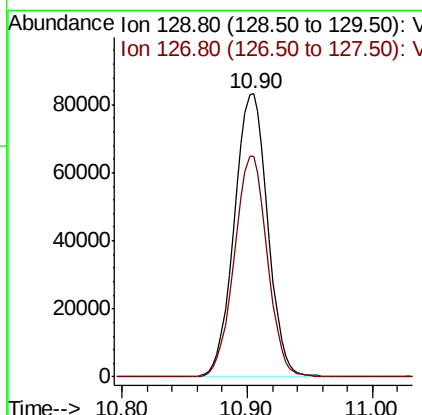
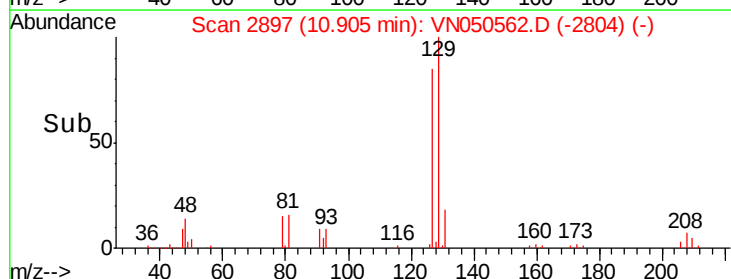
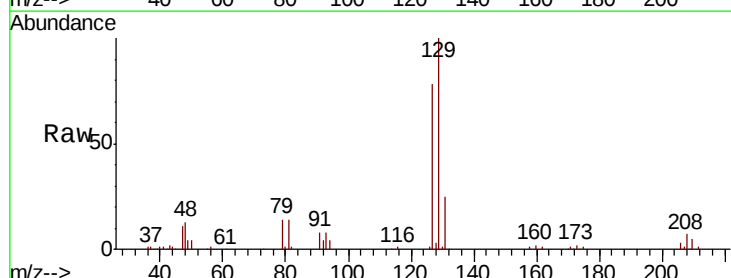
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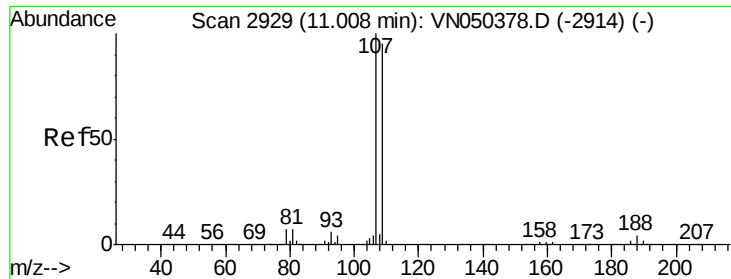
MMDadoda
8/14/2018 12:50:52 PM



#60
Dibromochloromethane
Concen: 19.40 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN050562.D
Acq: 13 Aug 2018 12:40

Tgt Ion: 129 Resp: 153983
Ion Ratio Lower Upper
129 100
127 77.0 38.0 113.9





#61

1,2-Dibromoethane

Concen: 18.75 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. -0.00 min

Lab File: VN050562.D

Acq: 13 Aug 2018 12:40

Instrument :

MSVOA_N

ClientSampleId :

VN0813WBS01

Tot Ion: 107 Resp: 133139

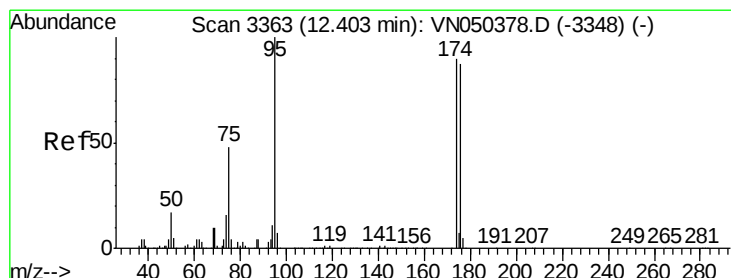
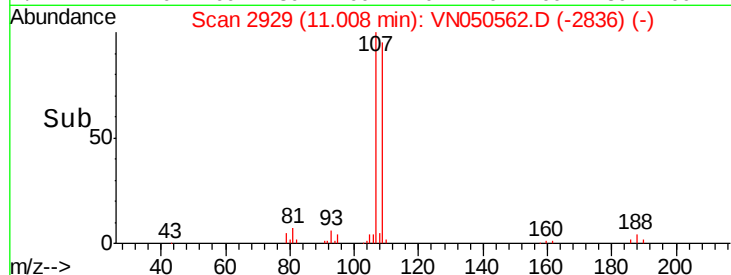
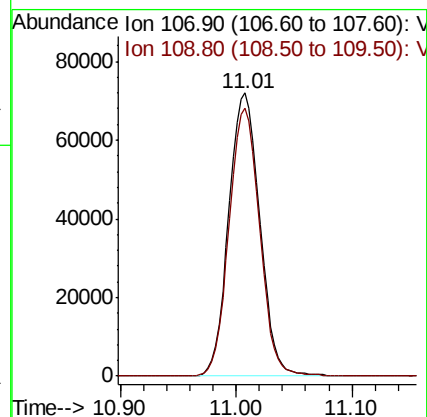
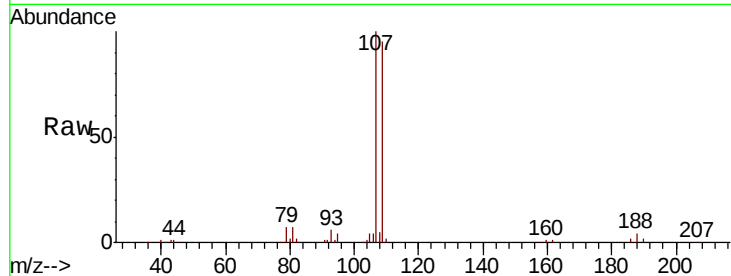
Ion Ratio Lower Upper

107 100

109 93.3 74.6 112.0

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 47.37 ug/l

RT: 12.40 min Scan# 3362

Delta R.T. -0.00 min

Lab File: VN050562.D

Acq: 13 Aug 2018 12:40

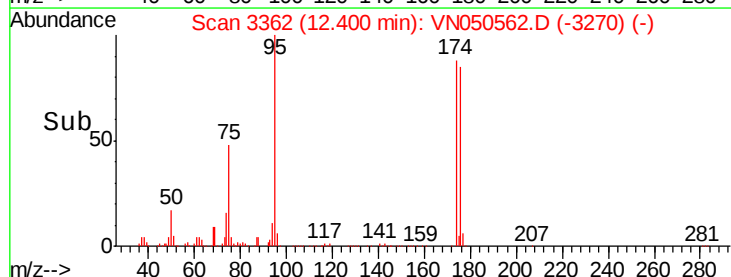
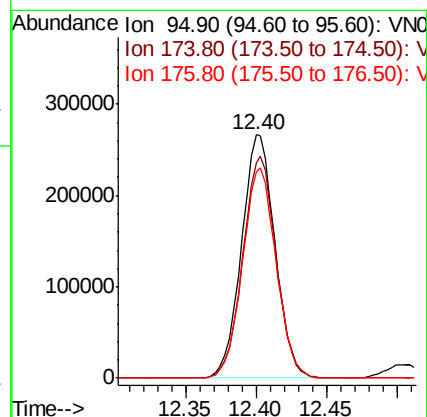
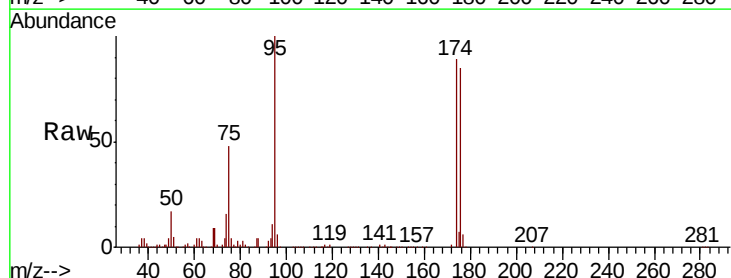
Tgt Ion: 95 Resp: 443044

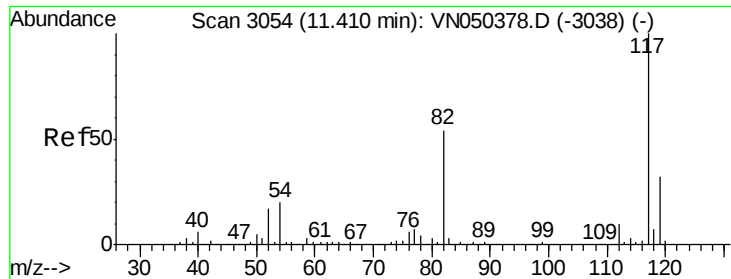
Ion Ratio Lower Upper

95 100

174 91.0 0.0 178.2

176 86.8 0.0 173.4





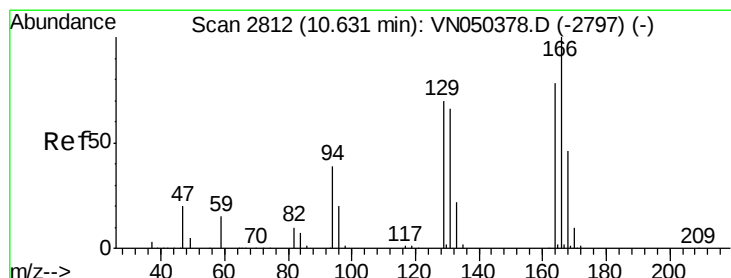
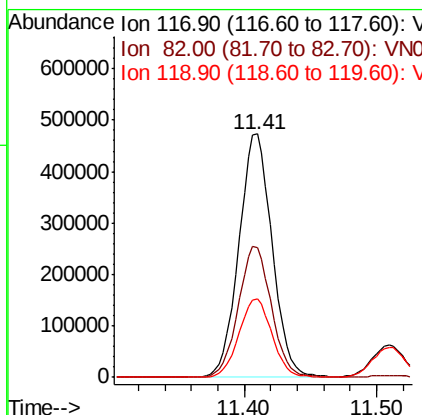
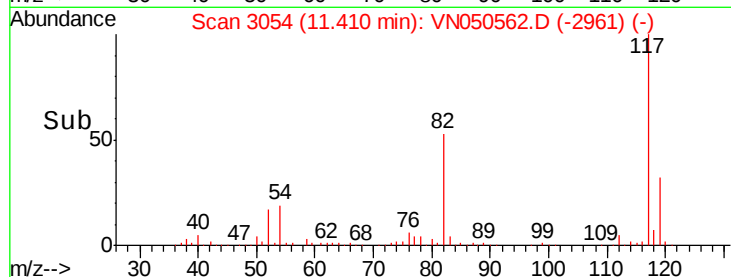
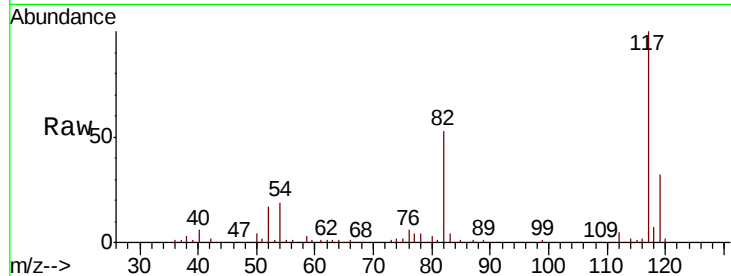
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050562.D
Acq: 13 Aug 2018 12:40

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.2	43.7	65.5
119	32.2	26.1	39.1

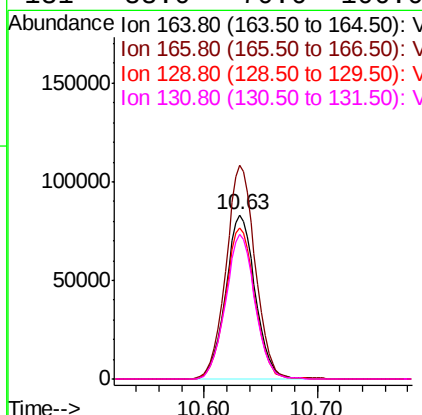
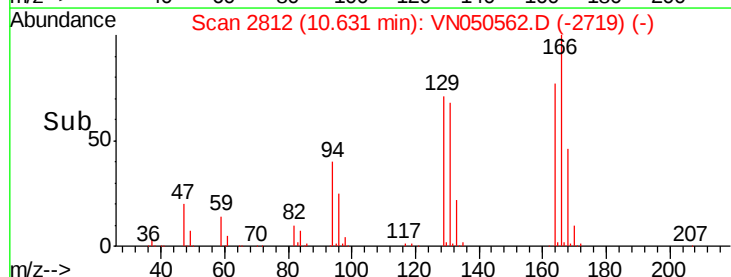
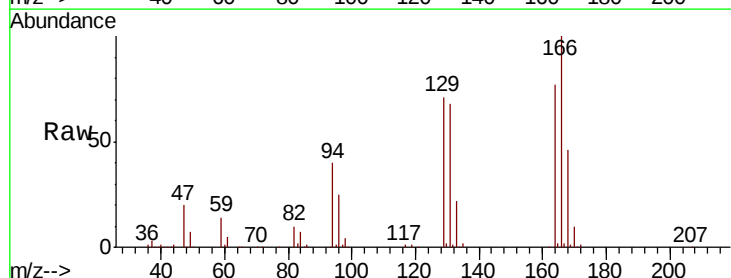
Manual Integrations
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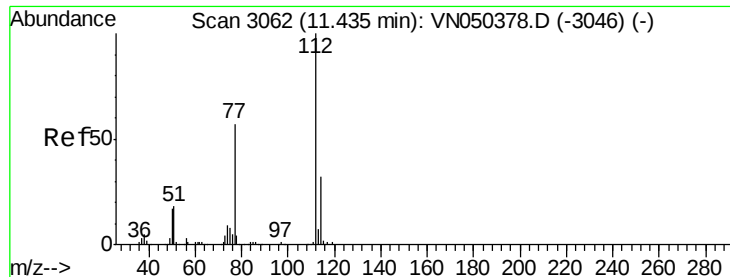
MMDadoda
8/14/2018 12:50:52 PM



#64
Tetrachloroethene
Concen: 19.62 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050562.D
Acq: 13 Aug 2018 12:40

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.3	102.1	153.1
129	92.3	73.2	109.8
131	88.0	70.6	106.0





#65

Chlorobenzene

Concen: 19.77 ug/l

RT: 11.43 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN050562.D

Acq: 13 Aug 2018 12:40

Instrument :

MSVOA_N

ClientSampleId :

VN0813WBS01

Tot Ion:112 Resp: 407694

Ion Ratio Lower Upper

112 100

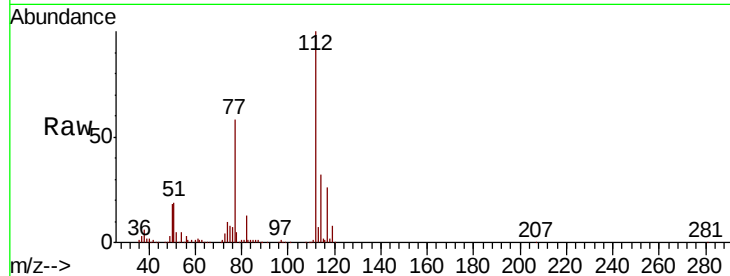
114 32.4 25.6 38.4

Manual Integrations

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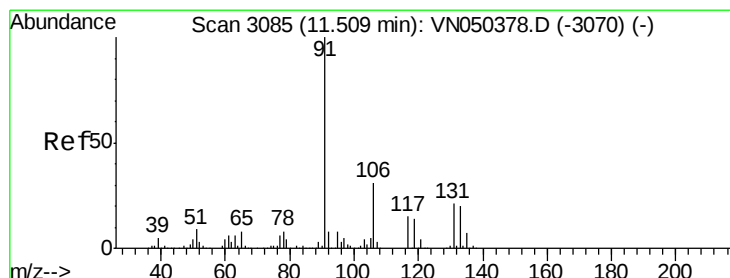
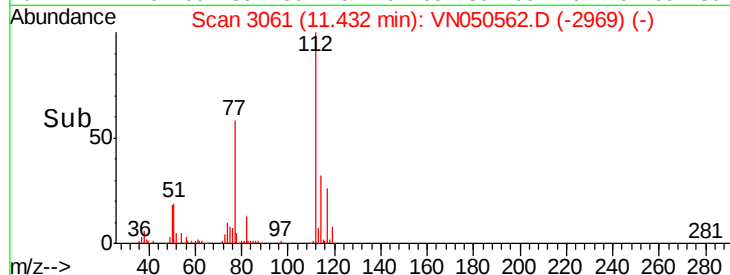
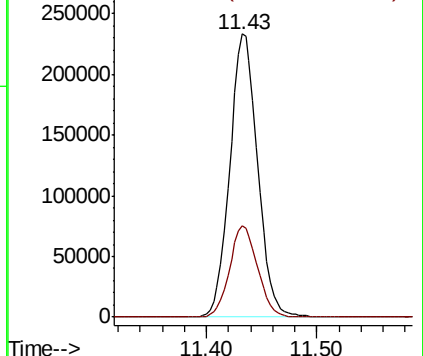
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.61 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. -0.00 min

Lab File: VN050562.D

Acq: 13 Aug 2018 12:40

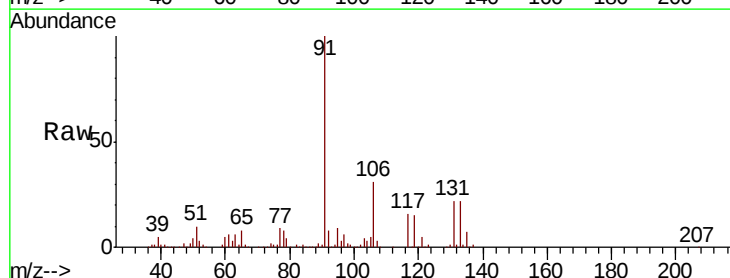
Tgt Ion:131 Resp: 154670

Ion Ratio Lower Upper

131 100

133 94.9 47.3 141.9

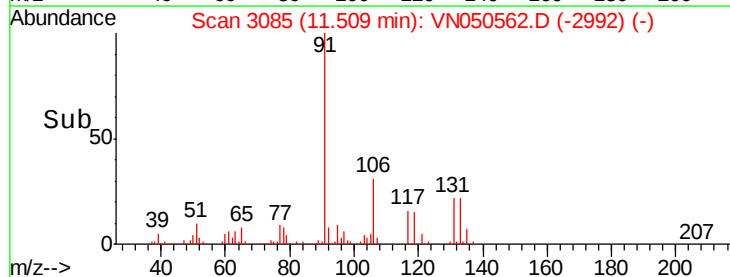
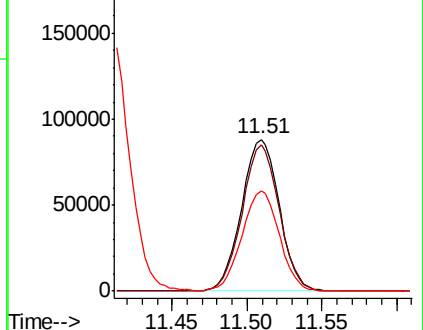
119 65.6 32.9 98.7

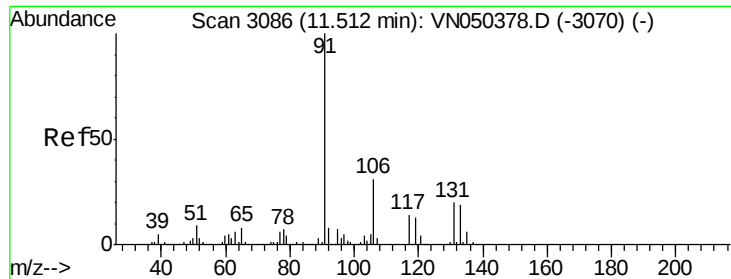


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 20.29 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. -0.00 min

Lab File: VN050562.D

Acq: 13 Aug 2018 12:40

Instrument :

MSVOA_N

ClientSampled :

VN0813WBS01

Tot Ion: 91 Resp: 676310

Ion Ratio Lower Upper

91 100

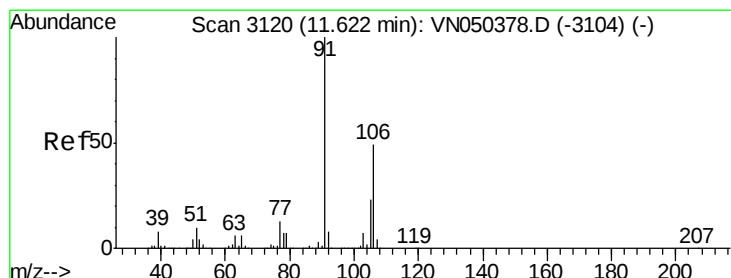
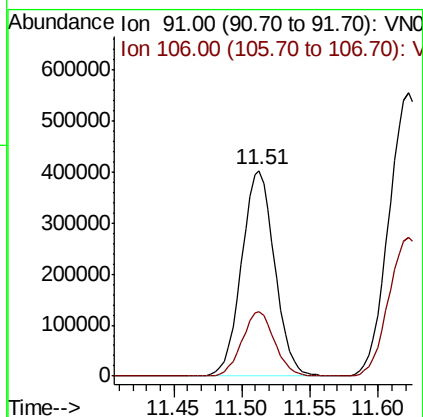
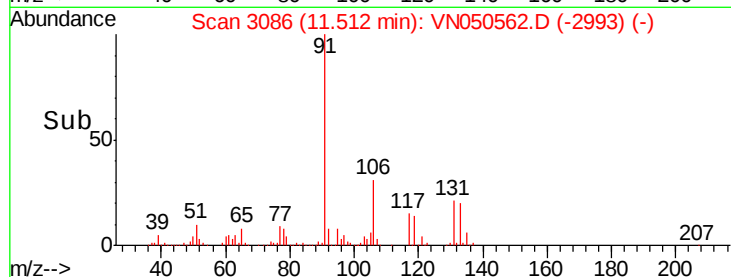
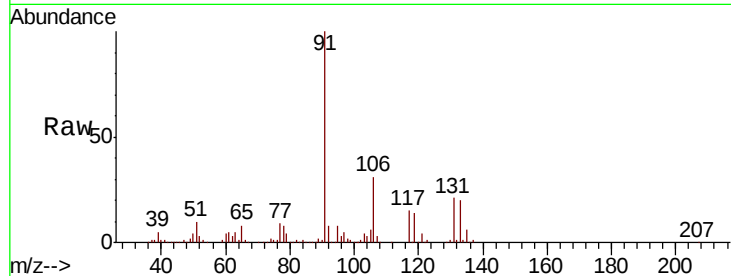
106 31.4 25.0 37.4

Manual Integrations

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#68

m/p-Xylenes

Concen: 41.72 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN050562.D

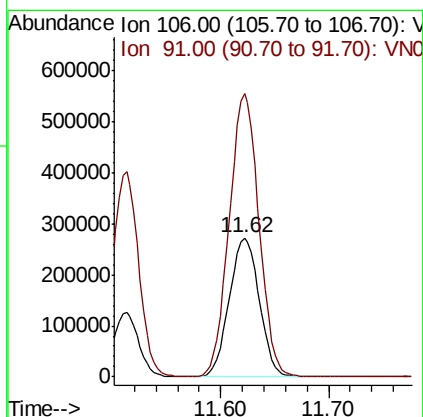
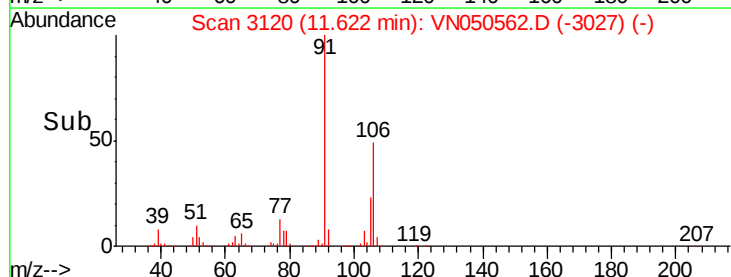
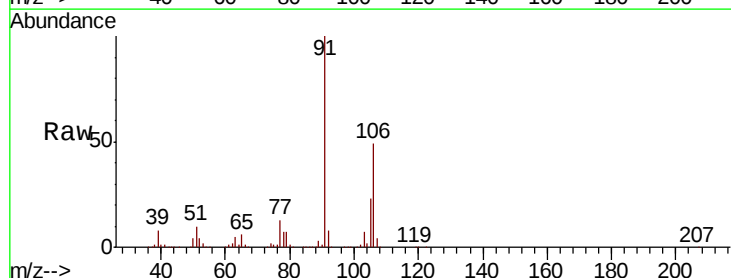
Acq: 13 Aug 2018 12:40

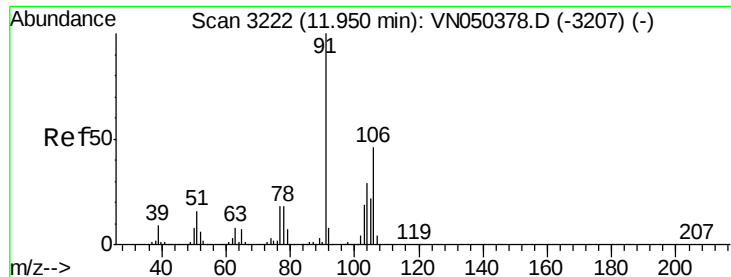
Tgt Ion: 106 Resp: 529412

Ion Ratio Lower Upper

106 100

91 201.4 162.2 243.2





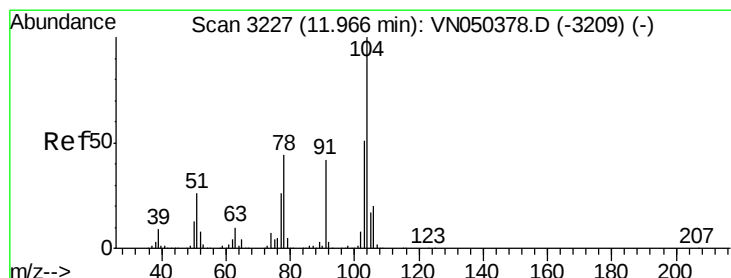
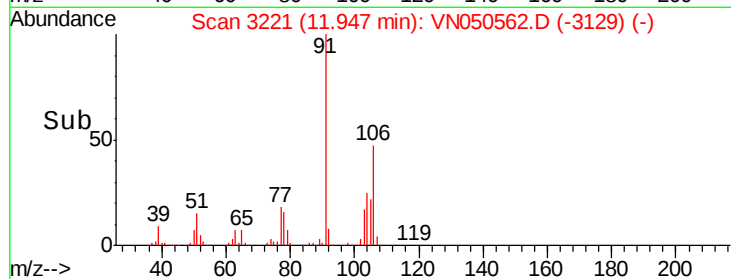
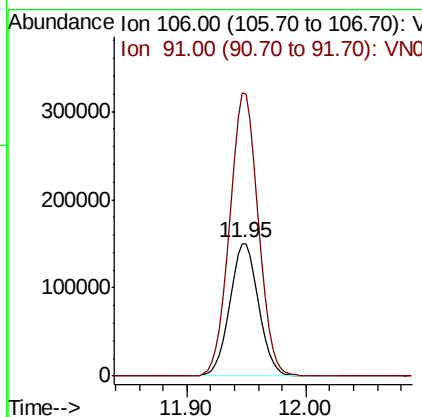
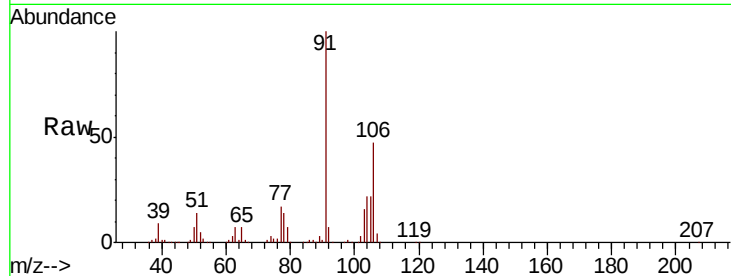
#69
o-Xylene
Concen: 20.58 ug/l
RT: 11.95 min Scan# 3221
Delta R.T. -0.00 min
Lab File: VN050562.D
Acq: 13 Aug 2018 12:40

Instrument :
MSVOA_N
ClientSampled :
VN0813WBS01

Tot Ion	Ratio	Resp	Lower	Upper
106	100	251594		
91	213.0	107.7	323.1	

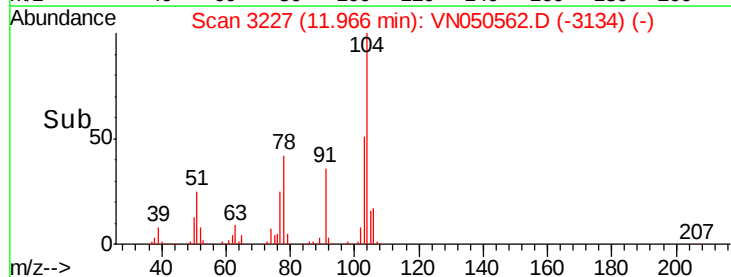
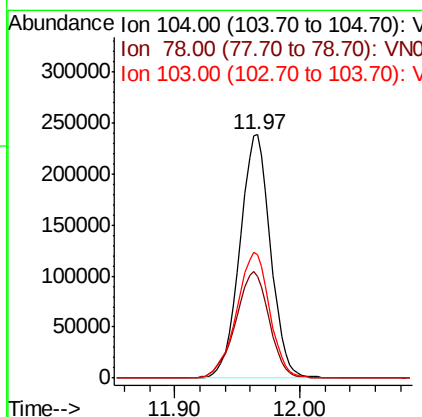
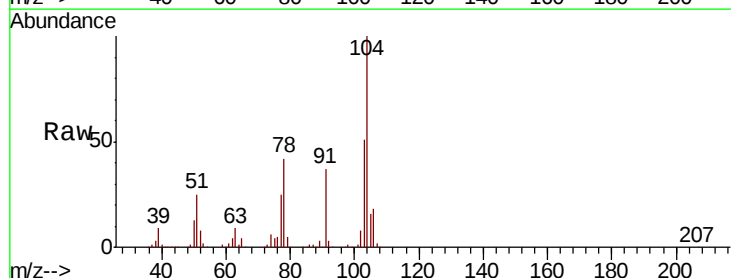
Manual Integrations
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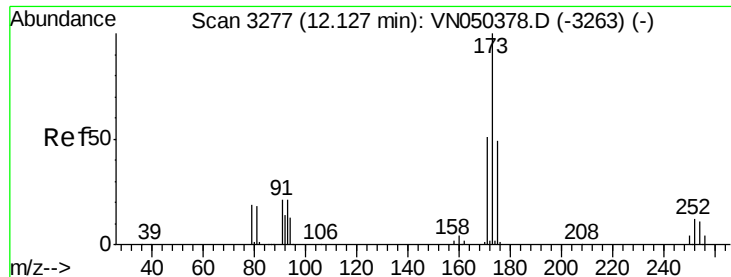
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#70
Styrene
Concen: 20.42 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050562.D
Acq: 13 Aug 2018 12:40

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	405911		
78	47.9	39.3	58.9	
103	56.0	45.0	67.6	





#71

Bromoform

Concen: 18.88 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. -0.00 min

Lab File: VN050562.D

Acq: 13 Aug 2018 12:40

Instrument :

MSVOA_N

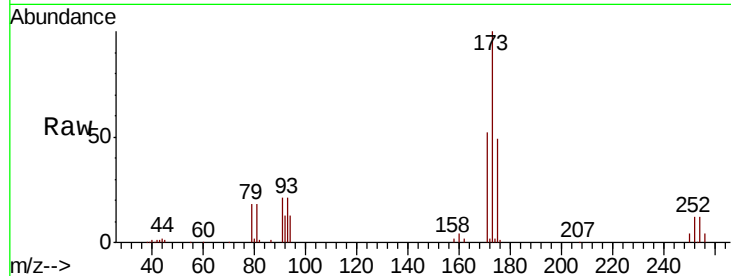
ClientSampleId :

VN0813WBS01

Tot Ion:	173	Resp:	103575
Ion Ratio	Lower	Upper	
173	100		
175	47.5	24.1	72.2
254	0.0	0.2	0.2#

Manual Integrations
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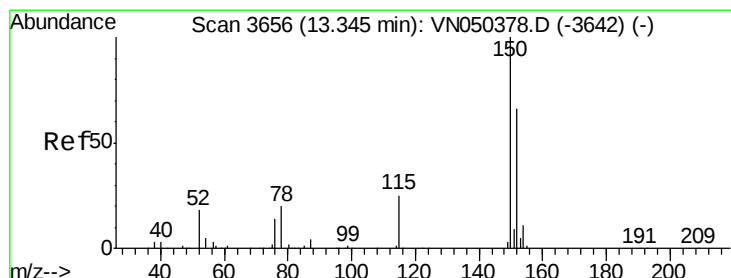
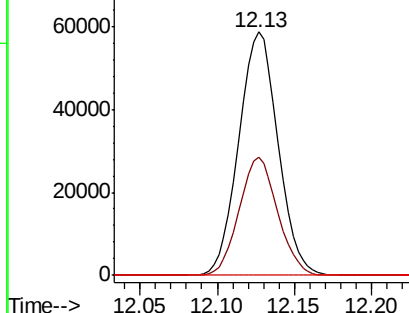
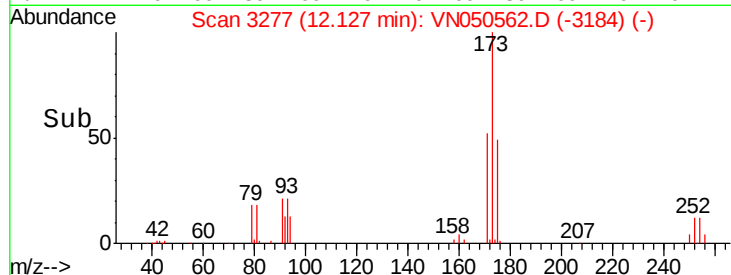


Abundance

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

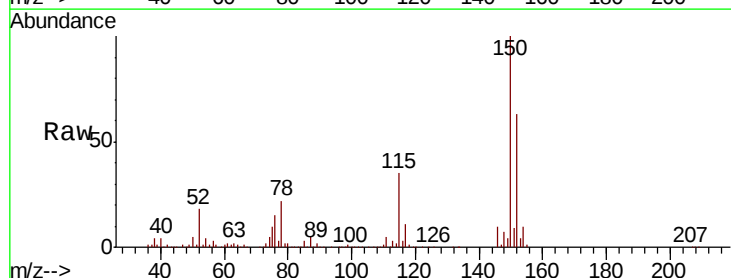
RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050562.D

Acq: 13 Aug 2018 12:40

Tgt Ion:	152	Resp:	408231
Ion Ratio	Lower	Upper	
152	100		
115	55.0	27.8	83.3
150	162.8	0.0	348.6

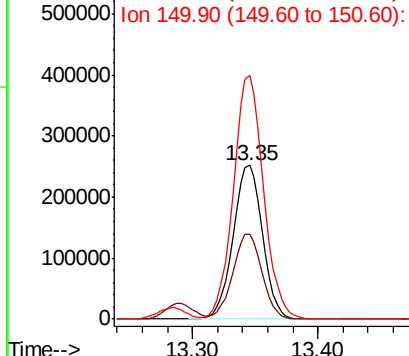
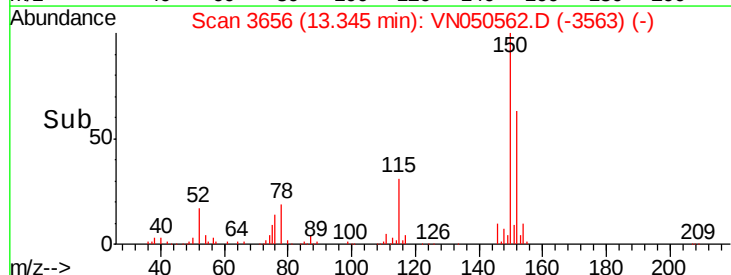


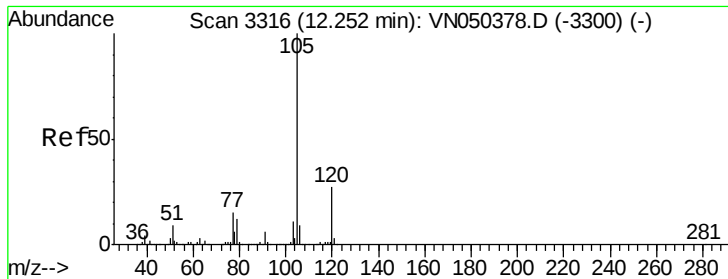
Abundance

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: 21.72 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050562.D

Acq: 13 Aug 2018 12:40

Instrument :

MSVOA_N

ClientSampleId :

VN0813WBS01

Tot Ion: 105 Resp: 665553

Ion Ratio Lower Upper

105 100

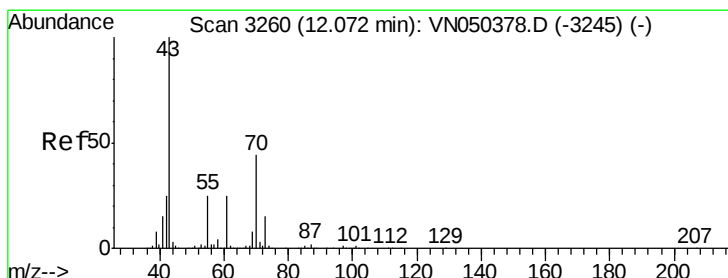
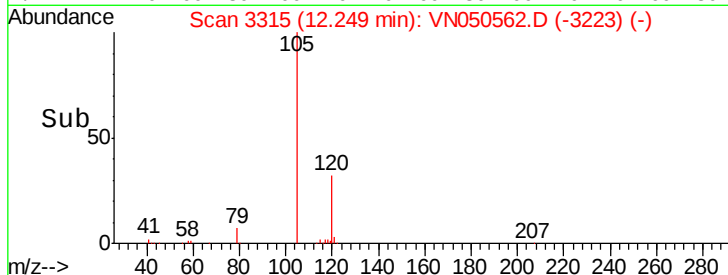
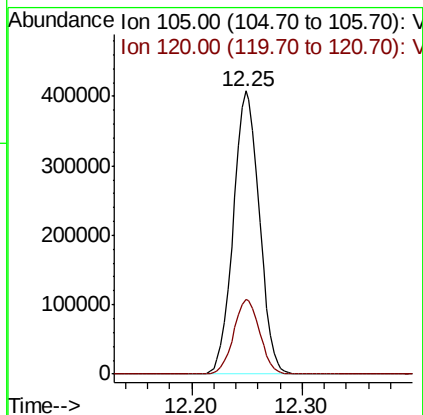
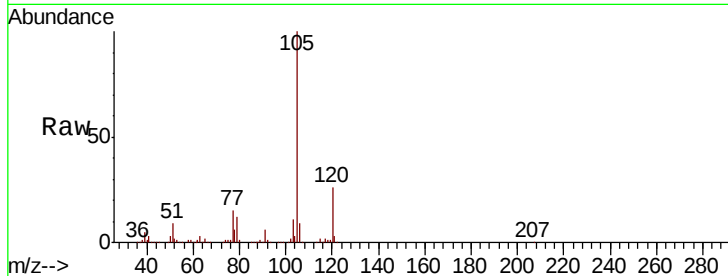
120 26.5 13.3 39.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 16.87 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050562.D

Acq: 13 Aug 2018 12:40

Tgt Ion: 43 Resp: 167523

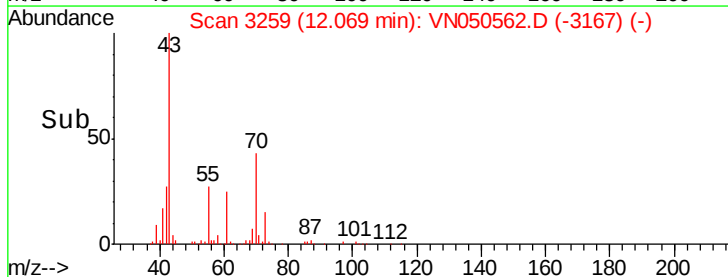
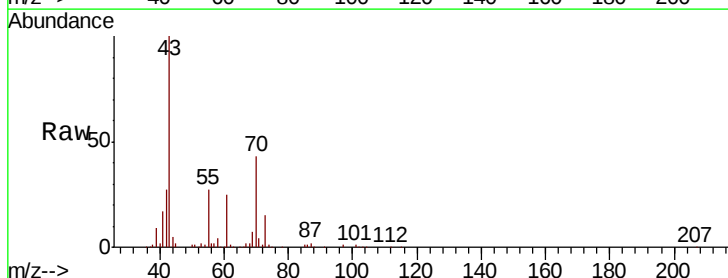
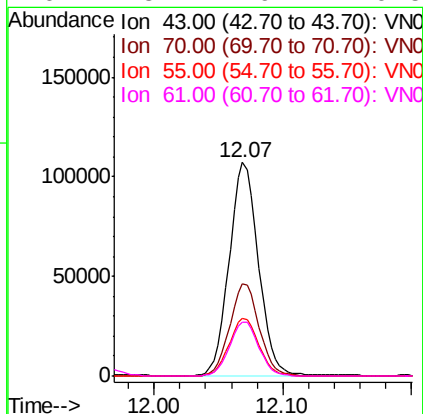
Ion Ratio Lower Upper

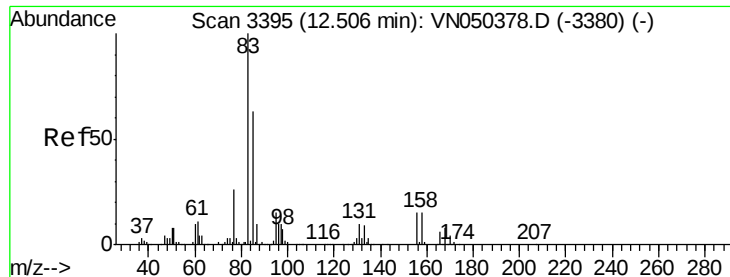
43 100

70 43.7 34.4 51.6

55 27.8 20.8 31.2

61 25.4 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.02 ug/l

RT: 12.50 min Scan# 3394

Delta R.T. -0.00 min

Lab File: VN050562.D

Acq: 13 Aug 2018 12:40

Instrument :

MSVOA_N

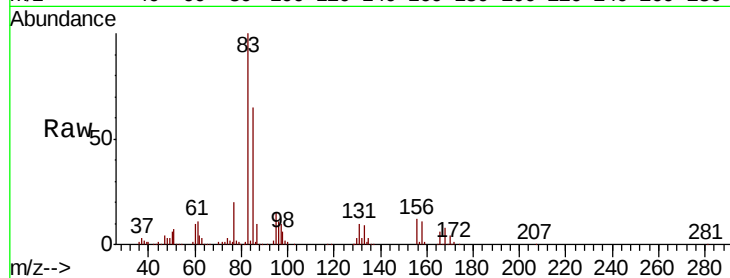
ClientSampleId :

VN0813WBS01

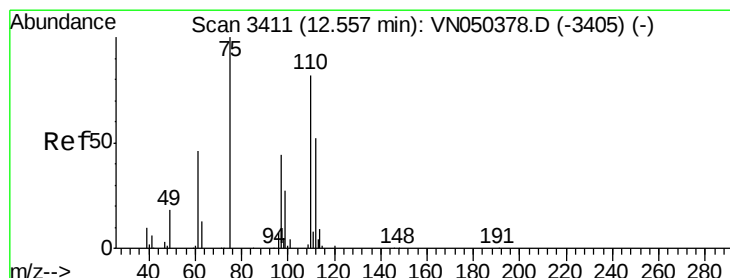
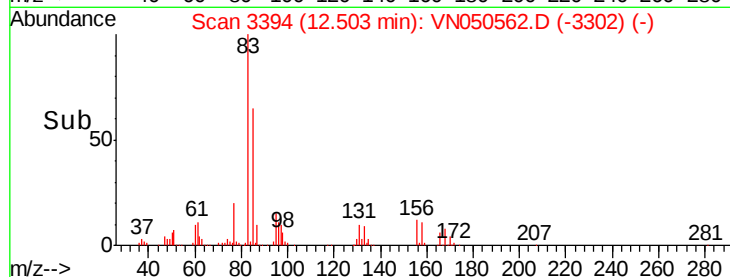
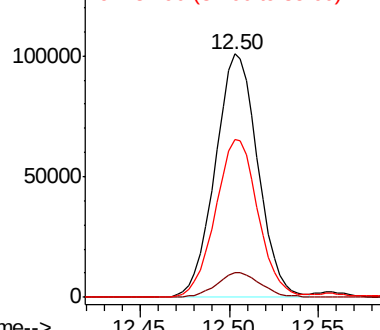
Tot Ion:	83	Resp:	168195
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.1	15.3
85	64.9	32.3	96.8

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN050378.D (-3380) (-)



#76

1,2,3-Trichloropropane

Concen: 18.16 ug/l m

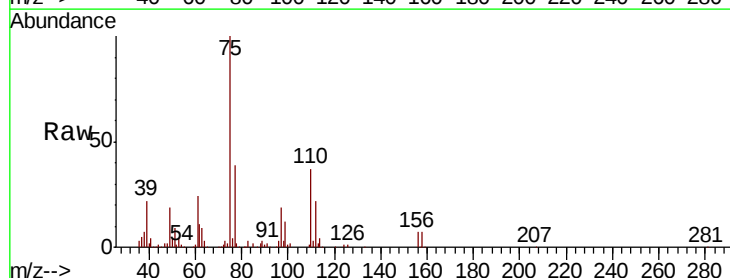
RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

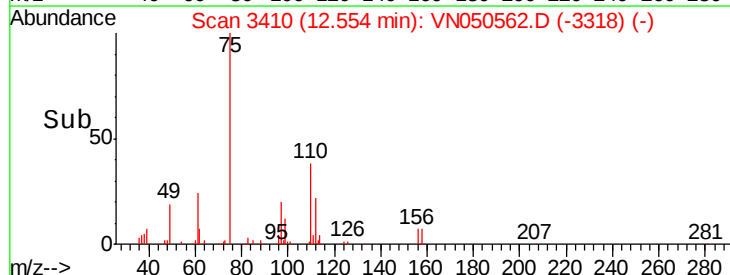
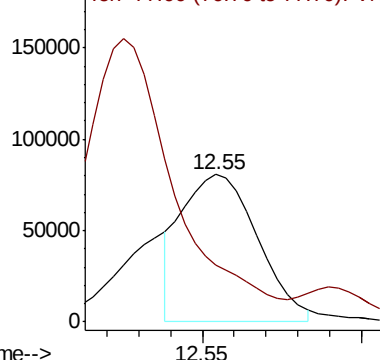
Lab File: VN050562.D

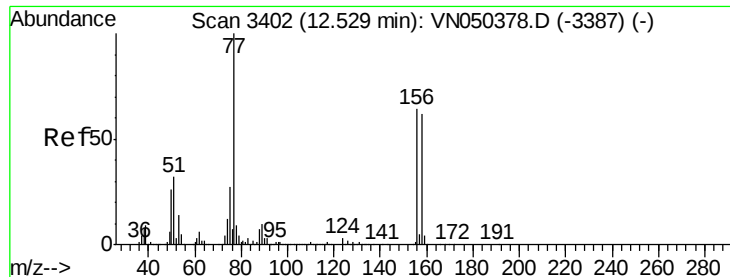
Acq: 13 Aug 2018 12:40

Tgt Ion:	75	Resp:	134158
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN050378.D (-3405) (-)





#77

Bromobenzene

Concen: 21.05 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050562.D

Acq: 13 Aug 2018 12:40

Instrument :

MSVOA_N

ClientSampleId :

VN0813WBS01

Tot Ion:156 Resp: 172842

Ion Ratio Lower Upper

156 100

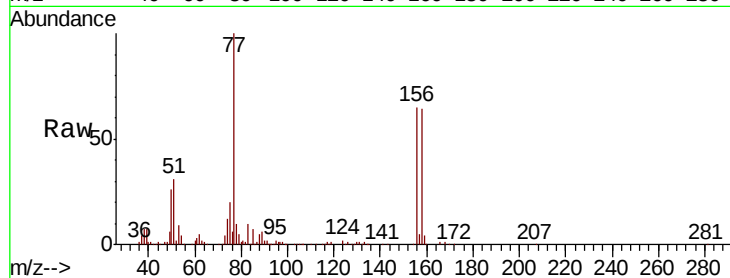
77 179.9 91.7 275.1

158 98.0 48.9 146.6

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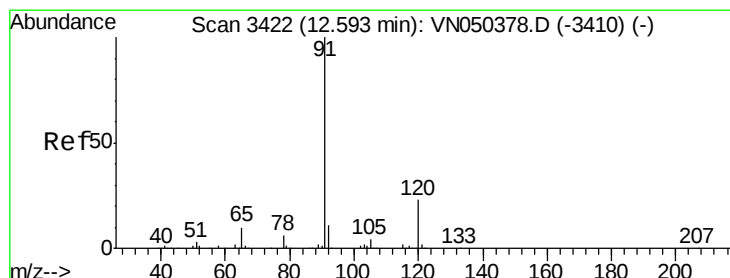
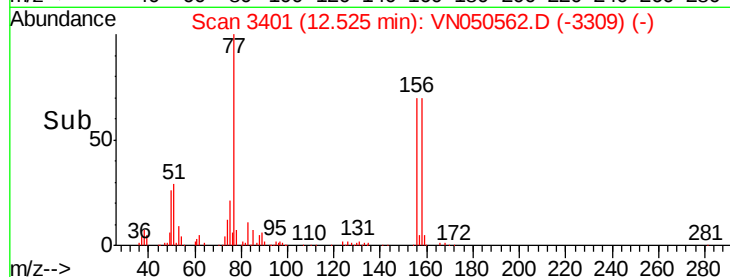
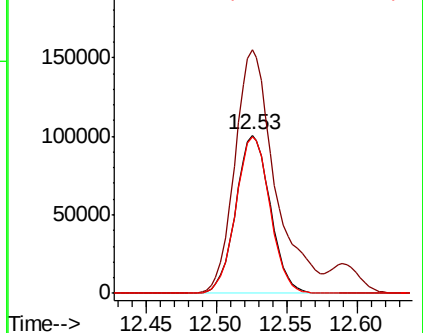
8/14/2018 12:50:52 PM



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: 21.53 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050562.D

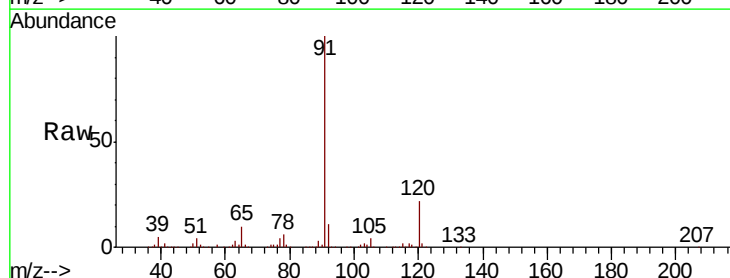
Acq: 13 Aug 2018 12:40

Tgt Ion: 91 Resp: 746885

Ion Ratio Lower Upper

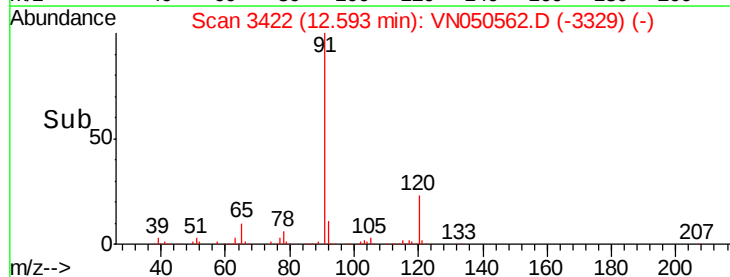
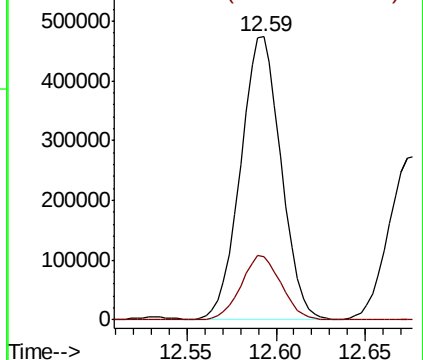
91 100

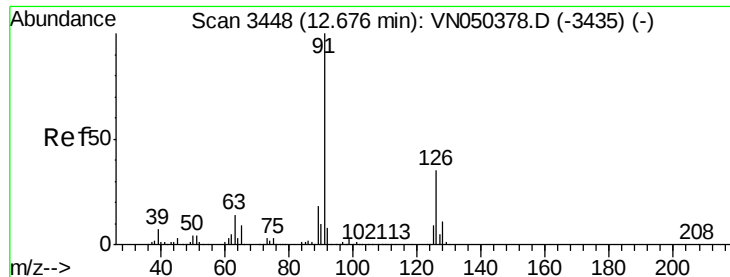
120 22.6 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.21 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050562.D

Acq: 13 Aug 2018 12:40

Instrument :

MSVOA_N

ClientSampleId :

VN0813WBS01

Tot Ion: 91 Resp: 454391

Ion Ratio Lower Upper

91 100

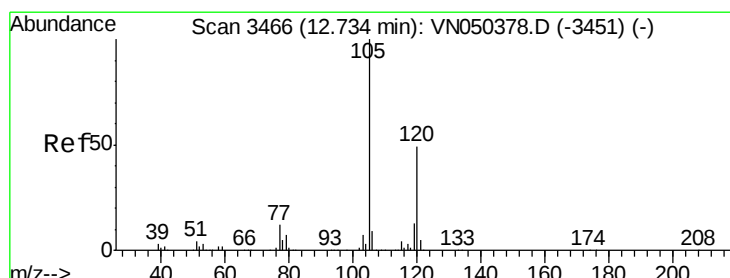
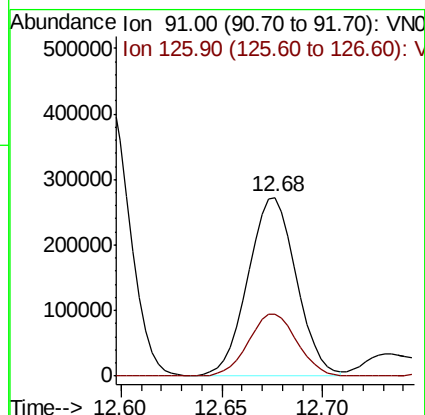
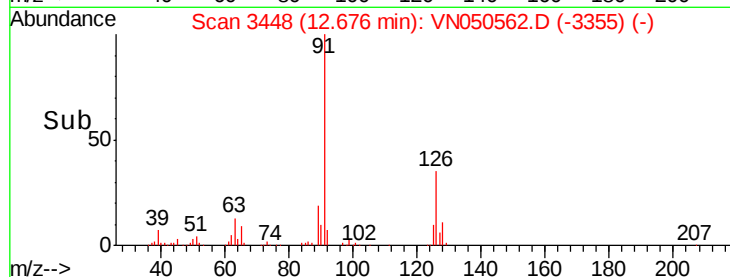
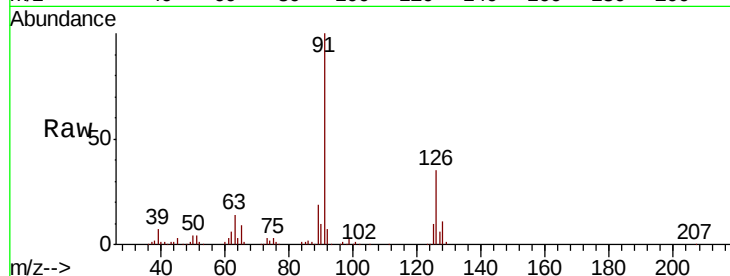
126 35.3 17.6 52.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 21.99 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN050562.D

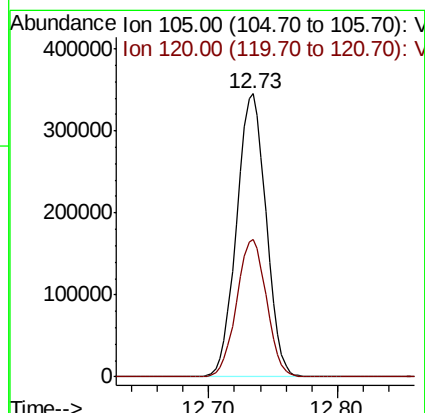
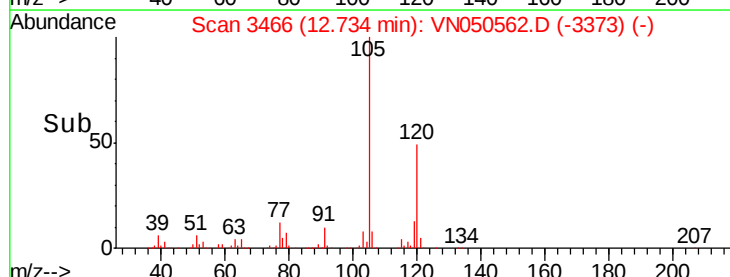
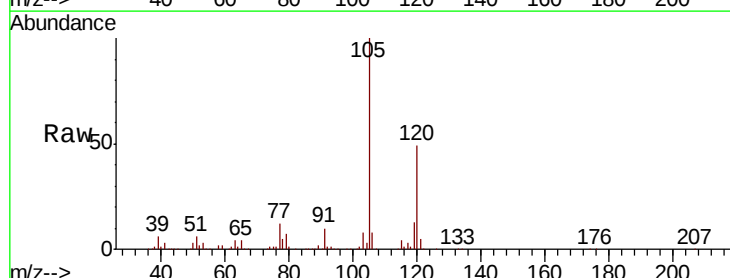
Acq: 13 Aug 2018 12:40

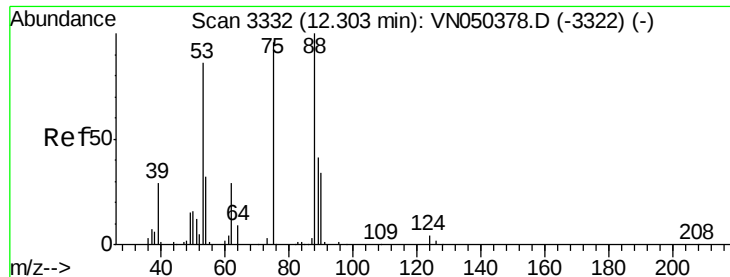
Tgt Ion: 105 Resp: 546972

Ion Ratio Lower Upper

105 100

120 49.1 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 17.99 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. -0.00 min

Lab File: VN050562.D

Acq: 13 Aug 2018 12:40

Instrument :

MSVOA_N

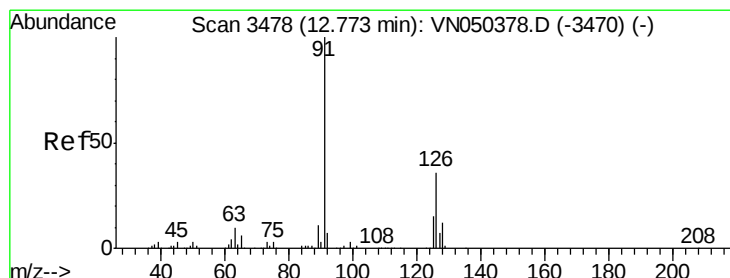
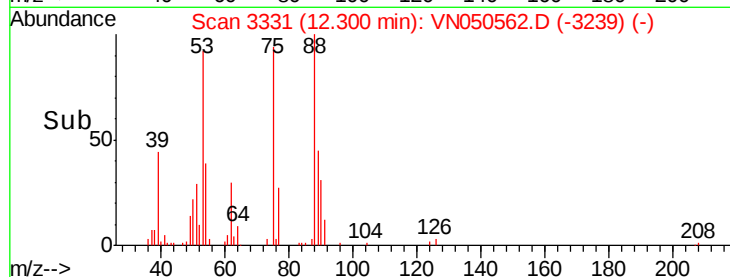
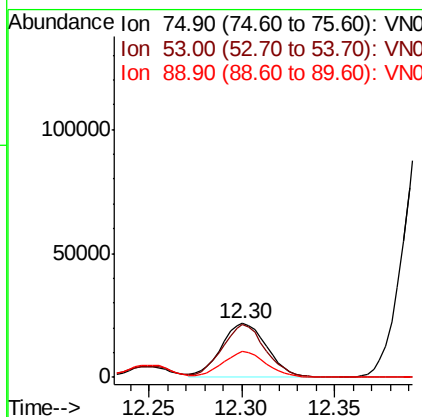
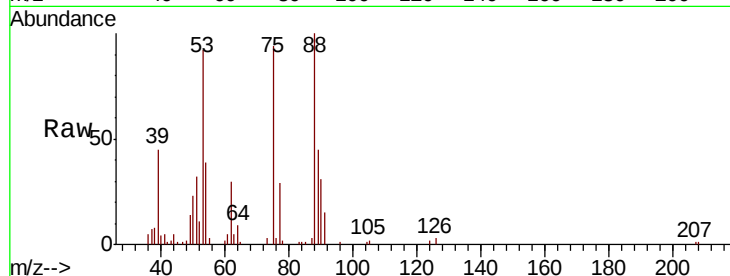
ClientSampleId :

VN0813WBS01

Tot Ion:	75	Resp:	37835
Ion	Ratio	Lower	Upper
75	100		
53	92.9	73.5	110.3
89	44.5	36.0	54.0

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#82

4-Chlorotoluene

Concen: 21.76 ug/l

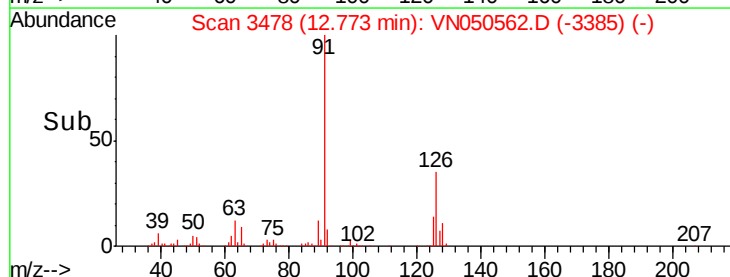
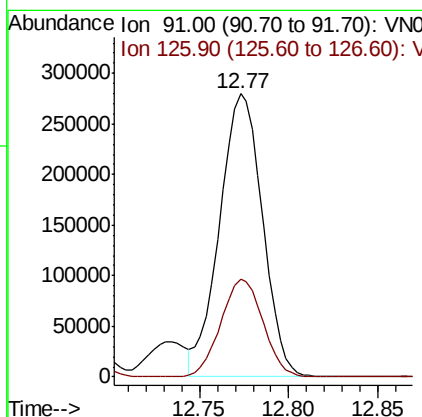
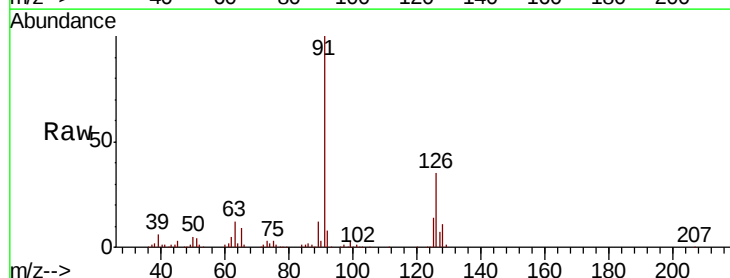
RT: 12.77 min Scan# 3478

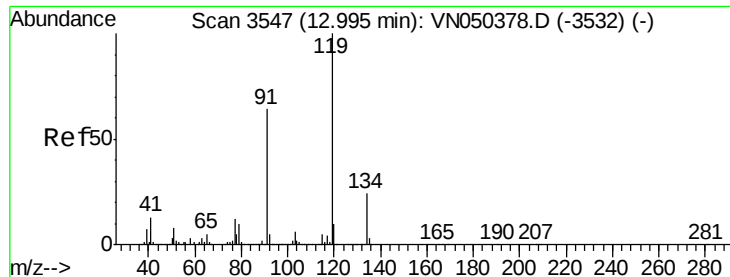
Delta R.T. -0.00 min

Lab File: VN050562.D

Acq: 13 Aug 2018 12:40

Tgt Ion:	91	Resp:	464916
Ion	Ratio	Lower	Upper
91	100		
126	34.1	17.0	51.0





#83

tert-Butylbenzene

Concen: 20.98 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN050562.D

Acq: 13 Aug 2018 12:40

Instrument :

MSVOA_N

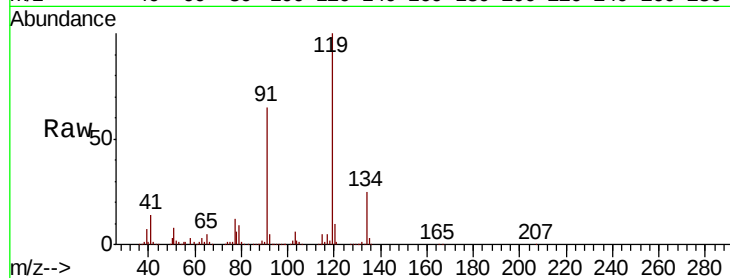
ClientSampleId :

VN0813WBS01

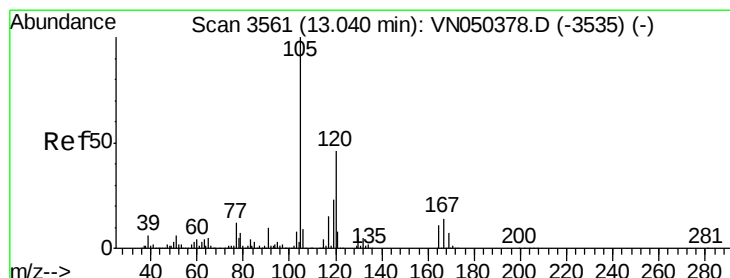
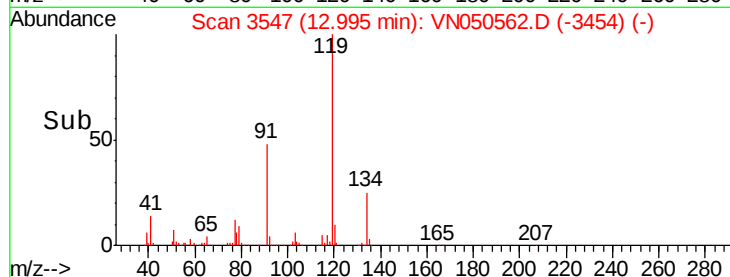
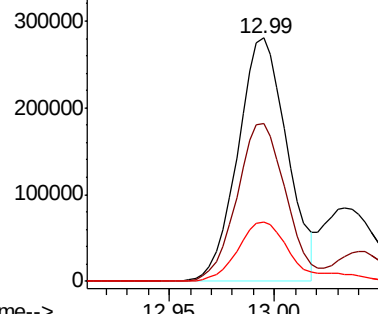
Tot Ion:	119	Resp:	455338
Ion Ratio	Lower	Upper	
119	100		
91	65.0	32.1	96.3
134	27.4	13.2	39.5

Manual Integrations
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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.91 ug/l

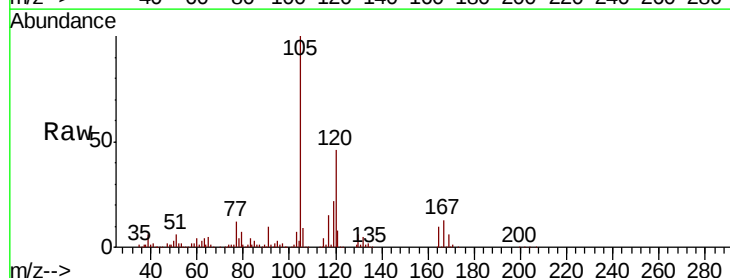
RT: 13.04 min Scan# 3561

Delta R.T. -0.00 min

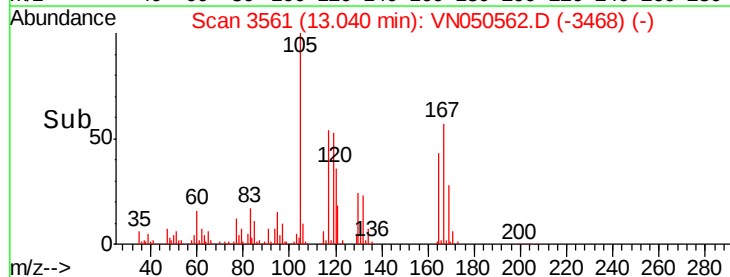
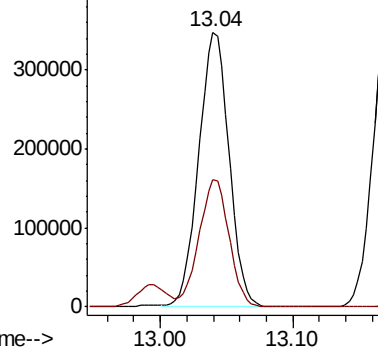
Lab File: VN050562.D

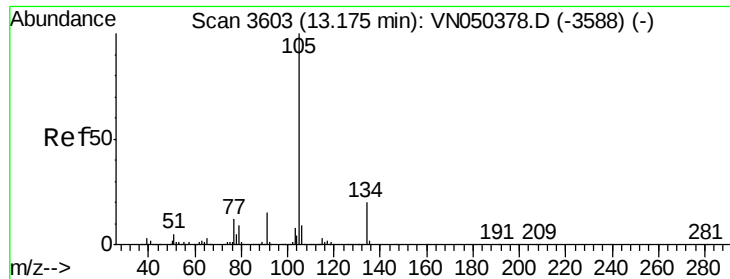
Acq: 13 Aug 2018 12:40

Tgt Ion:	105	Resp:	552240
Ion Ratio	Lower	Upper	
105	100		
120	46.1	22.9	68.7



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 21.16 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. -0.00 min

Lab File: VN050562.D

Acq: 13 Aug 2018 12:40

Instrument :

MSVOA_N

ClientSampleId :

VN0813WBS01

Tot Ion:105 Resp: 612088

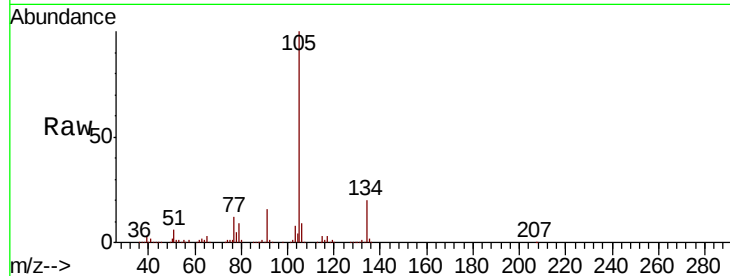
Ion Ratio Lower Upper

105 100

134 20.1 10.1 30.1

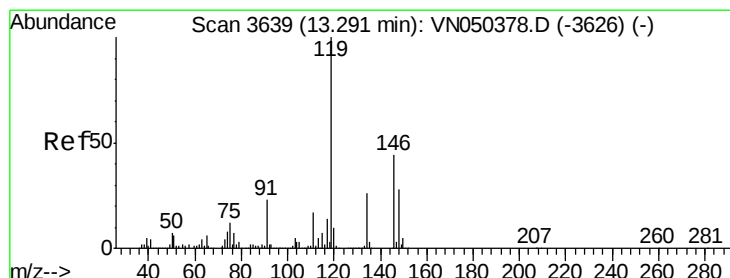
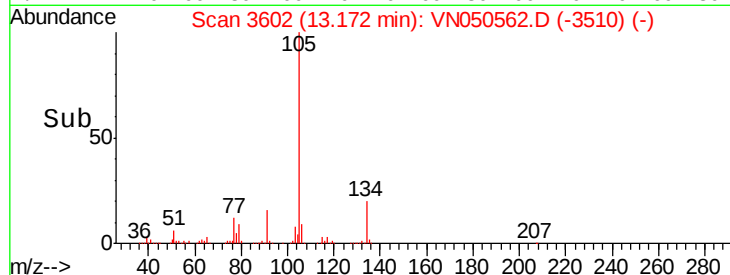
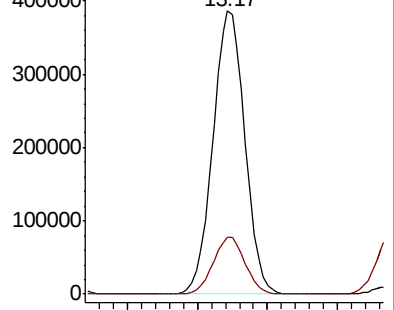
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.11 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN050562.D

Acq: 13 Aug 2018 12:40

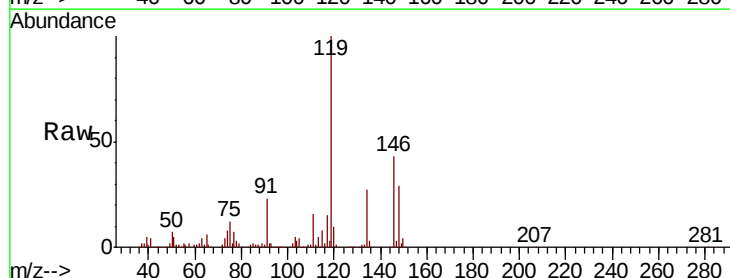
Tgt Ion:119 Resp: 523241

Ion Ratio Lower Upper

119 100

134 26.9 13.3 39.8

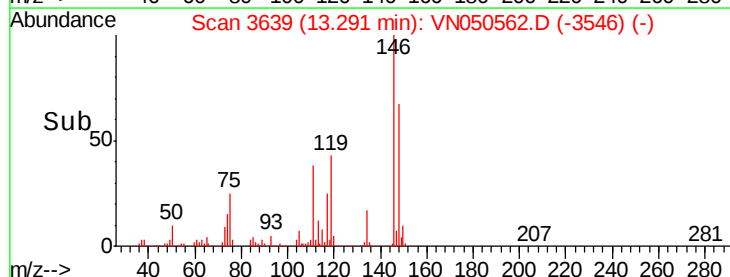
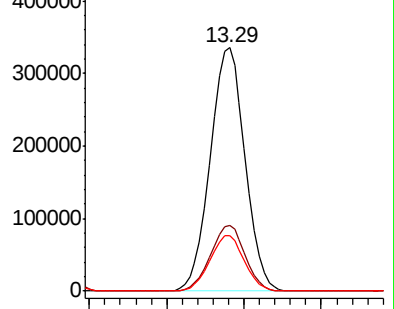
91 22.6 11.4 34.2

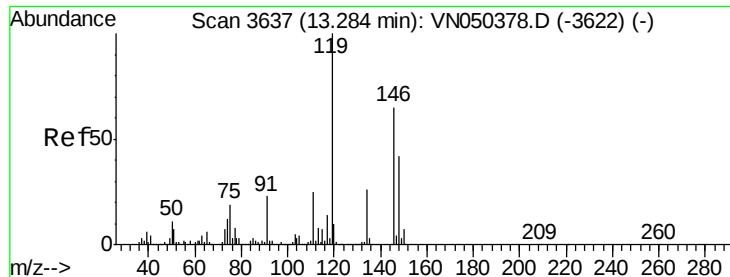


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





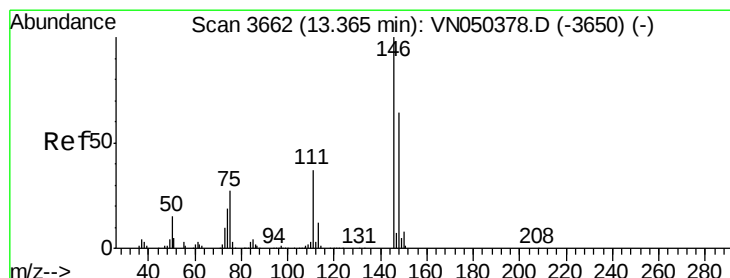
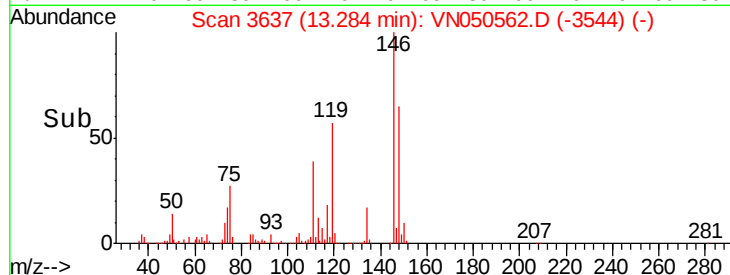
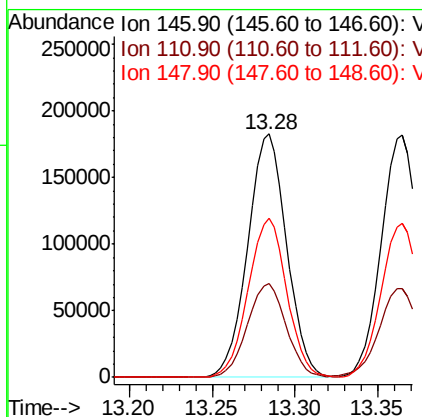
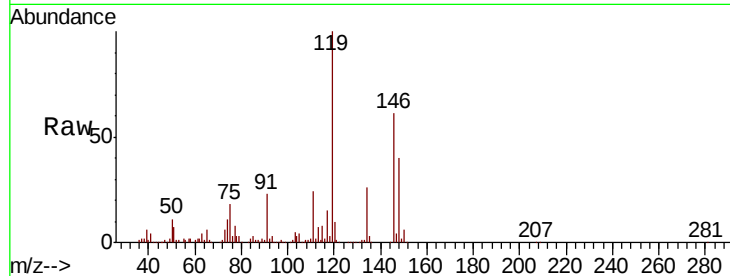
#87
 1,3-Dichlorobenzene
 Concen: 20.32 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN050562.D
 Acq: 13 Aug 2018 12:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813WBS01

Tot Ion:	146	Resp:	297061
Ion Ratio	Lower	Upper	
146	100		
111	38.5	18.8	56.4
148	64.7	31.9	95.9

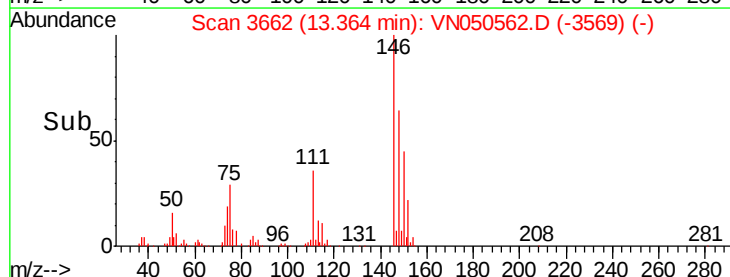
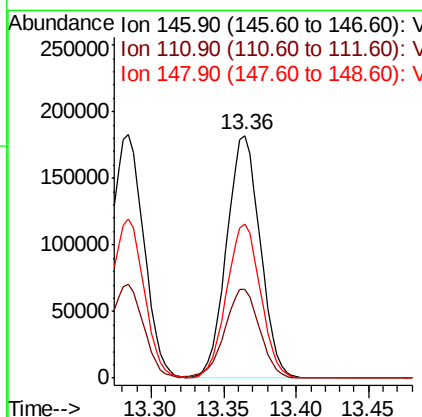
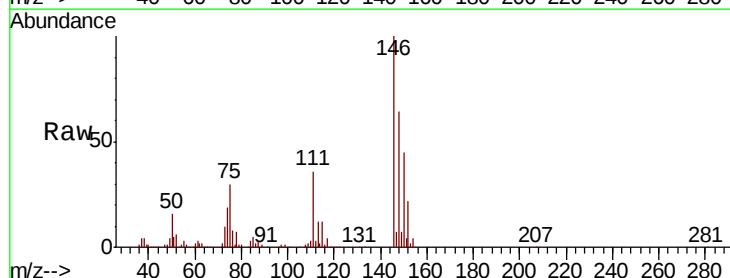
Manual Integrations
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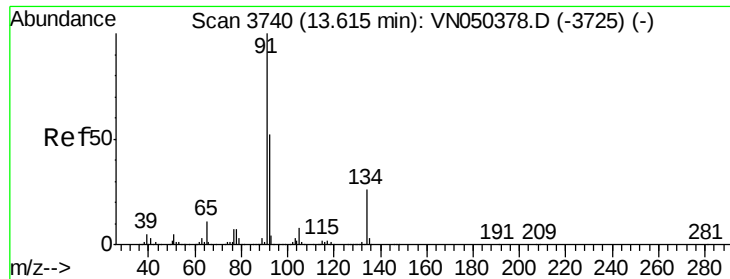
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 8/14/2018 12:50:52 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.02 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN050562.D
 Acq: 13 Aug 2018 12:40

Tgt Ion:	146	Resp:	292304
Ion Ratio	Lower	Upper	
146	100		
111	38.2	18.3	54.9
148	64.4	31.9	95.9





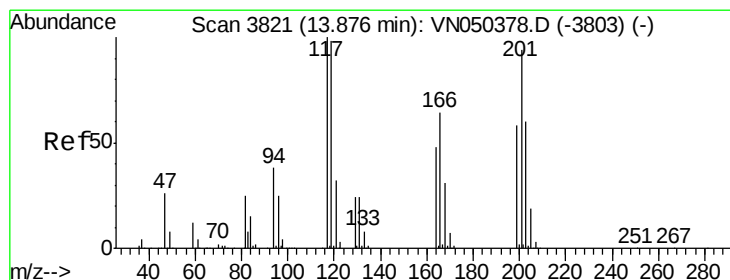
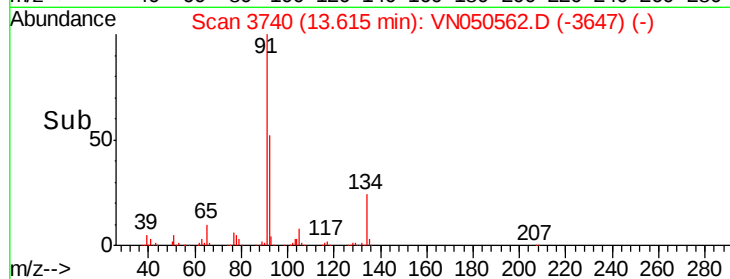
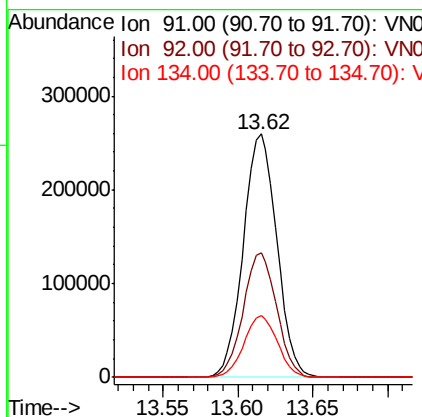
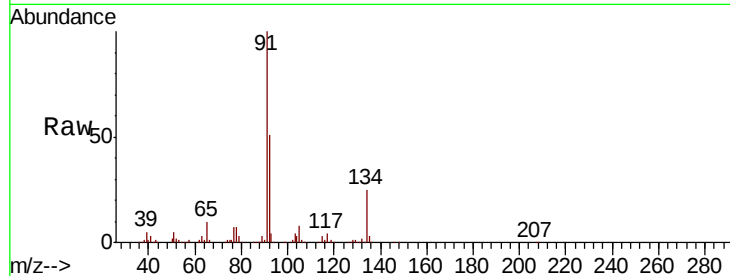
#89
n-Butylbenzene
Concen: 19.19 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN050562.D
Acq: 13 Aug 2018 12:40

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.8	25.8	77.4
134	25.3	12.8	38.4

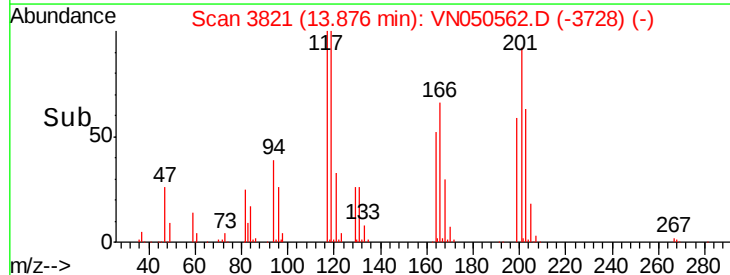
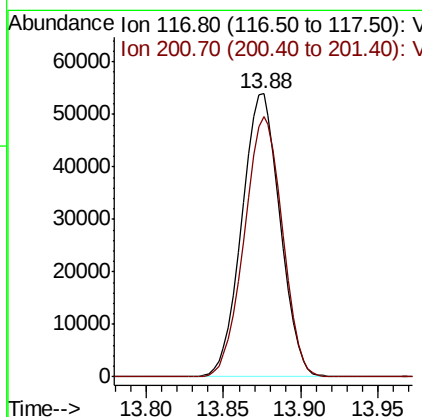
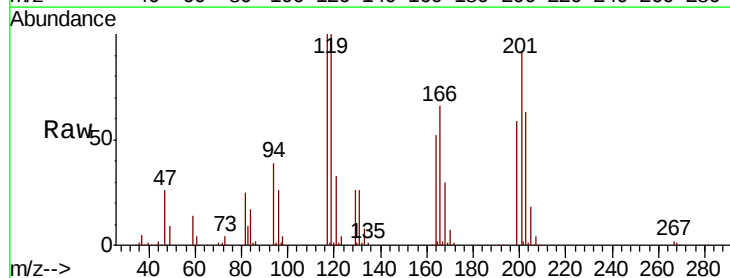
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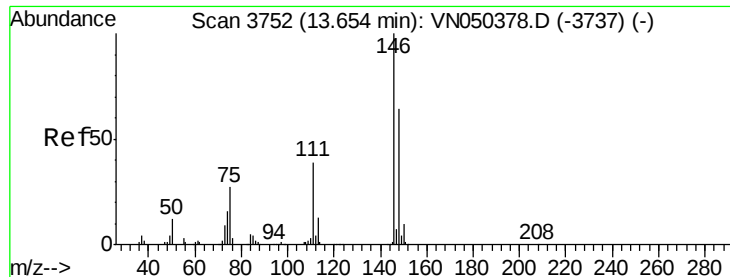
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#90
Hexachloroethane
Concen: 21.08 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. -0.00 min
Lab File: VN050562.D
Acq: 13 Aug 2018 12:40

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.4	45.6	136.8





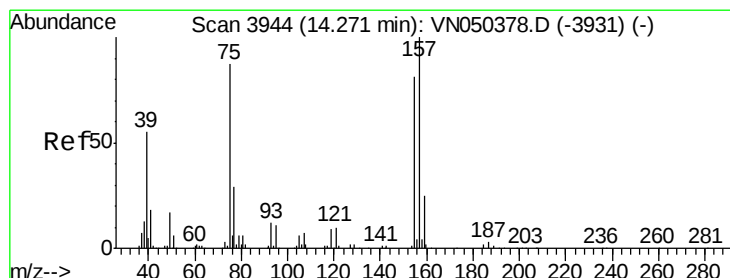
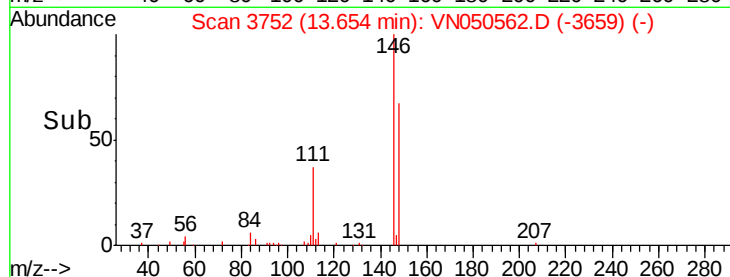
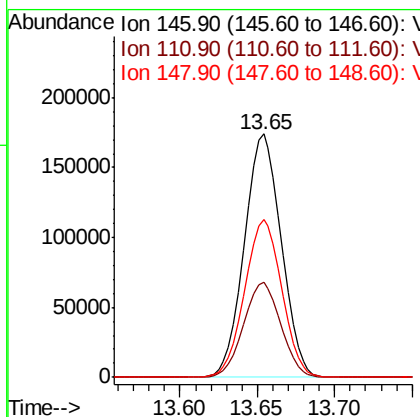
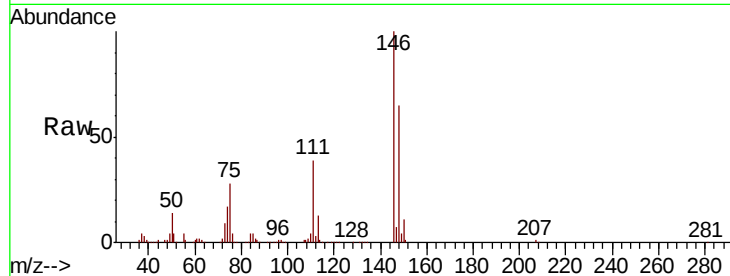
#91
 1,2-Dichlorobenzene
 Concen: 19.77 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050562.D
 Acq: 13 Aug 2018 12:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.6	58.7
148	64.9	32.1	96.3

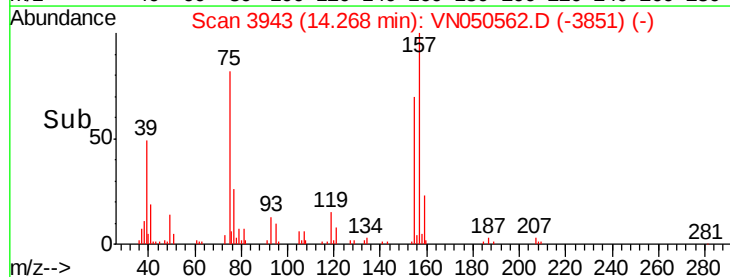
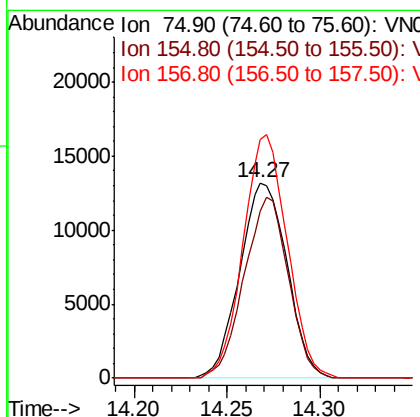
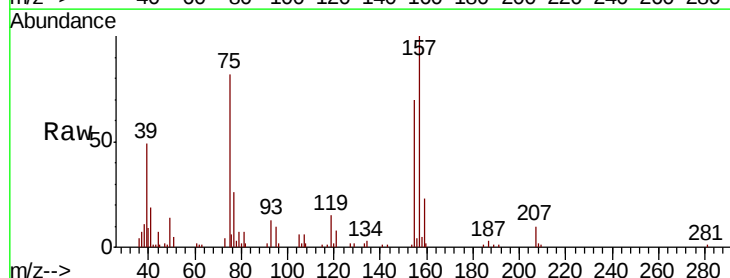
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 15.52 ug/l
 RT: 14.27 min Scan# 3943
 Delta R.T. -0.00 min
 Lab File: VN050562.D
 Acq: 13 Aug 2018 12:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.9	44.8	134.4
157	116.4	57.2	171.6





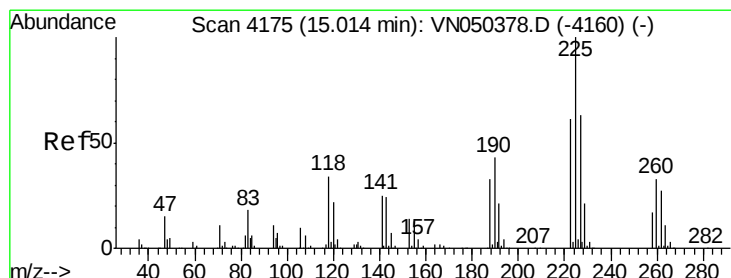
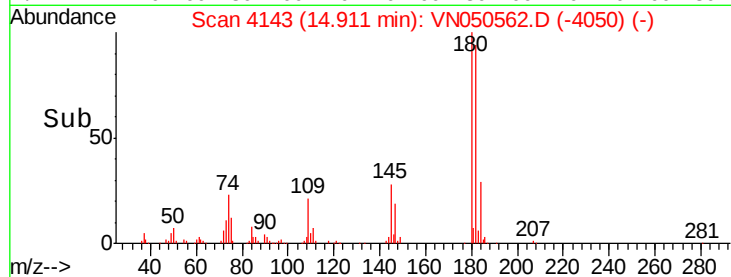
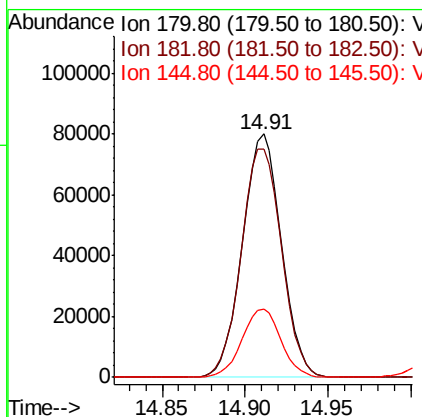
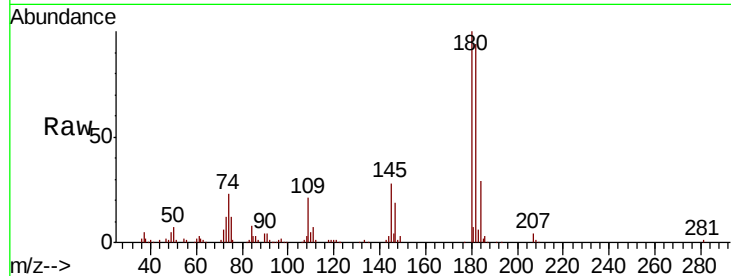
#93
 1,2,4-Trichlorobenzene
 Concen: 17.53 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050562.D
 Acq: 13 Aug 2018 12:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	97.4	46.7	140.1	
145	28.1	13.8	41.4	

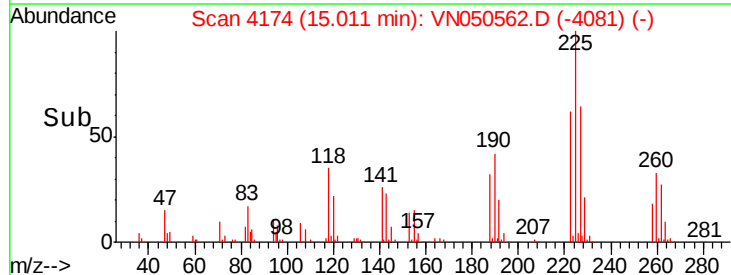
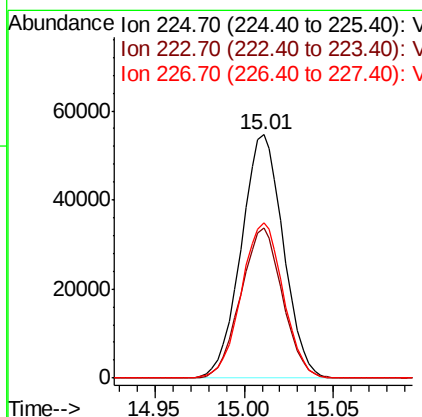
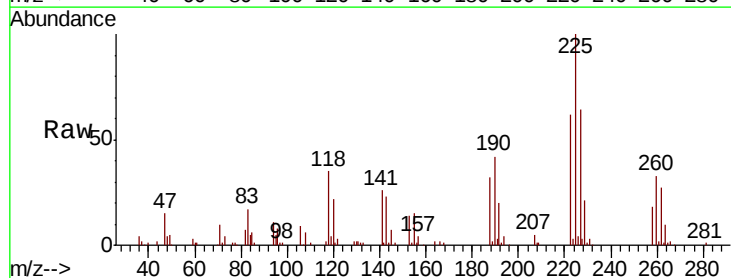
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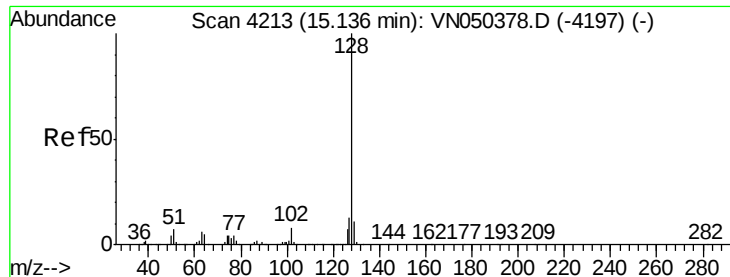
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#94
 Hexachlorobutadiene
 Concen: 21.18 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050562.D
 Acq: 13 Aug 2018 12:40

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.1	31.4	94.2	
227	63.3	32.1	96.5	





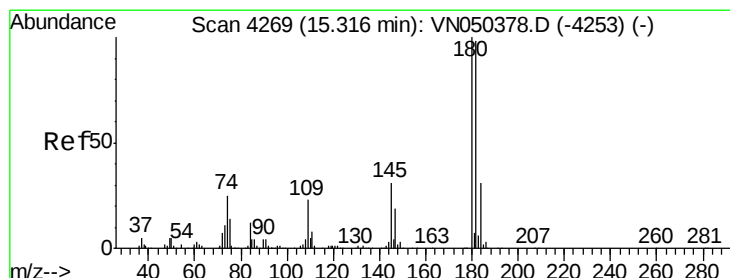
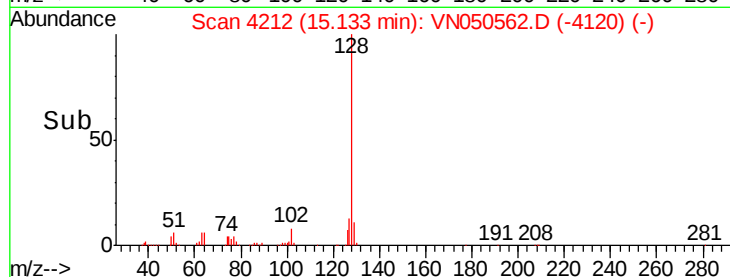
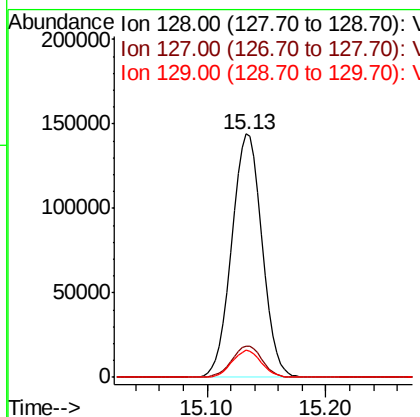
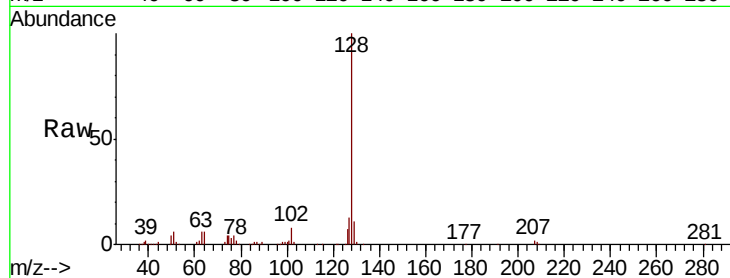
#95
Naphthalene
Concen: 15.58 ug/l
RT: 15.13 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN050562.D
Acq: 13 Aug 2018 12:40

Instrument :
MSVOA_N
ClientSampleId :
VN0813WBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	254935		
127	12.9		10.4	15.6
129	10.8		8.8	13.2

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#96
1,2,3-Trichlorobenzene
Concen: 17.01 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. -0.00 min
Lab File: VN050562.D
Acq: 13 Aug 2018 12:40

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	128392		
182	95.3		48.1	144.4
145	29.7		15.3	45.9

