

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111318\
 Data File : VN052279.D
 Acq On : 13 Nov 2018 11:41
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 14 00:00:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N110118W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 02 05:39:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	49222	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	278216	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	243959	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	112248	30.73	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.43%
60) 4-Bromofluorobenzene	12.40	95	114227	29.27	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.57%
63) Toluene-d8	10.09	98	350539	30.56	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.87%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	73945	22.493	ug/l 98
3) Chloromethane	2.06	50	84714	22.547	ug/l 98
4) Vinyl Chloride	2.19	62	71915	19.511	ug/l 96
5) Bromomethane	2.58	94	42928	17.063	ug/l 100
6) Chloroethane	2.71	64	39681	16.837	ug/l 94
7) Trichlorofluoromethane	3.02	101	101421	20.320	ug/l 99
8) Diethyl Ether	3.41	74	34730	20.608	ug/l 83
9) 1,1,2-Trichlorotrifluoroet	3.76	101	61864	21.207	ug/l 96
10) 1,1-Dichloroethene	3.74	96	56144	20.626	ug/l 94
11) Methyl Iodide	3.96	142	75987	19.307	ug/l 98
12) Methyl Acetate	4.33	43	57161	24.949	ug/l 94
13) Acrolein	3.61	56	23403	96.302	ug/l 94
14) Acrylonitrile	4.99	53	114247	112.443	ug/l 98
15) Acetone	3.82	58	40303	167.835	ug/l 79
16) Carbon Disulfide	4.06	76	153484	19.097	ug/l 99
17) Allyl chloride	4.33	41	103125	22.313	ug/l 96
18) Methylene Chloride	4.55	84	65752	19.570	ug/l # 83
19) trans-1,2-Dichloroethene	5.05	96	59748	20.033	ug/l 98
20) Diisopropyl ether	5.95	45	234980	23.397	ug/l 94
21) 1,1-Dichloroethane	5.85	63	123906	21.111	ug/l 100
22) cis-1,2-Dichloroethene	6.83	96	68914	19.788	ug/l 94
23) tert-Butyl Alcohol	4.77	59	20551	129.819	ug/l # 99
24) Methyl tert-Butyl Ether	5.04	73	156836	20.324	ug/l 94
25) Chloroform	7.37	83	116818	19.822	ug/l 95
26) Cyclohexane	7.65	56	112655	21.412	ug/l # 88
29) 1,1-Dichloropropene	7.79	75	92479	20.937	ug/l 100
30) 2-Butanone	6.84	43	172210	146.399	ug/l # 80
31) 2,2-Dichloropropane	6.82	77	92175	20.258	ug/l 100
32) 1,1,1-Trichloroethane	7.57	97	99450	20.123	ug/l 98
33) Carbon Tetrachloride	7.77	117	84940	19.325	ug/l 95
34) Benzene	8.04	78	267462	20.680	ug/l 97
36) 1,2-Dichloroethane	8.13	62	93887	21.711	ug/l 99
37) Trichloroethene	8.84	130	65816	20.332	ug/l 99
38) Methylcyclohexane	9.08	83	107136	19.883	ug/l 94
39) 1,2-Dichloropropane	9.12	63	74682	21.692	ug/l 96
40) Dibromomethane	9.21	93	41769	19.683	ug/l 94
41) Bromodichloromethane	9.40	83	88102	20.291	ug/l 99

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Vinyl Acetate	5.90	43	807446	117.253	ug/l	96
43) Ethyl Acetate	6.84	43	172210	29.131	ug/l #	87
44) Isopropyl Acetate	8.16	43	117540	24.015	ug/l #	90
45) 1,4-Dioxane	9.20	88	12384	554.640	ug/l #	72
46) Methyl methacrylate	9.20	41	57911	23.770	ug/l	87
47) n-amyl Acetate	12.07	43	102671	23.142	ug/l #	100
48) t-1,3-Dichloropropene	10.38	75	85138	19.747	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	102100	20.517	ug/l	91
50) 1,1,2-Trichloroethane	10.56	97	58127	20.714	ug/l	98
51) Ethyl methacrylate	10.43	69	76369	21.058	ug/l	89
52) 1,3-Dichloropropane	10.71	76	100486	20.558	ug/l	98
53) Dibromochloromethane	10.90	129	58971	19.466	ug/l	99
54) 1,2-Dibromoethane	11.01	107	55839	19.623	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	210926	106.209	ug/l	98
56) Bromoform	12.12	173	33223	18.988	ug/l	96
58) 4-Methyl-2-Pentanone	9.99	43	323479	123.742	ug/l	95
59) 2-Hexanone	10.75	43	246681	137.050	ug/l	96
61) Tetrachloroethene	10.63	164	57468	21.660	ug/l	95
62) Toluene	10.16	91	281997	20.591	ug/l	97
64) Chlorobenzene	11.43	112	170680	19.665	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	60873	20.606	ug/l	98
66) Ethyl Benzene	11.51	91	307119	20.761	ug/l	97
67) m/p-Xylenes	11.62	106	229583	40.312	ug/l	100
68) o-Xylene	11.95	106	109255	20.121	ug/l	99
69) Styrene	11.96	104	174424	19.935	ug/l	98
70) Isopropylbenzene	12.25	105	295008	20.239	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	69759	21.758	ug/l	97
72) 1,2,3-Trichloropropane	12.55	75	88307	31.326	ug/l	50
73) Bromobenzene	12.53	156	68094	21.083	ug/l	94
74) n-propylbenzene	12.59	91	351026	20.680	ug/l	99
75) 2-Chlorotoluene	12.67	91	203663	20.812	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	242368	20.736	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	17945	20.345	ug/l	91
78) 4-Chlorotoluene	12.77	91	202871	20.586	ug/l	100
79) tert-butylbenzene	12.99	119	213329	20.953	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	243672	20.927	ug/l	100
81) sec-Butylbenzene	13.17	105	293077	20.917	ug/l	100
82) p-Isopropyltoluene	13.29	119	249522	21.072	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	119989	21.003	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	117017	20.690	ug/l	96
85) n-Butylbenzene	13.61	91	216271	21.102	ug/l	99
86) Hexachloroethane	13.87	117	41205	20.621	ug/l	95
87) 1,2-Dichlorobenzene	13.65	146	116233	21.414	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.27	75	9923	22.634	ug/l	94
89) 1,2,4-Trichlorobenzene	14.91	180	49095	22.282	ug/l	98
90) Hexachlorobutadiene	15.01	225	29438	24.420	ug/l	96
91) Naphthalene	15.13	128	113363	22.322	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	45037	23.453	ug/l	99

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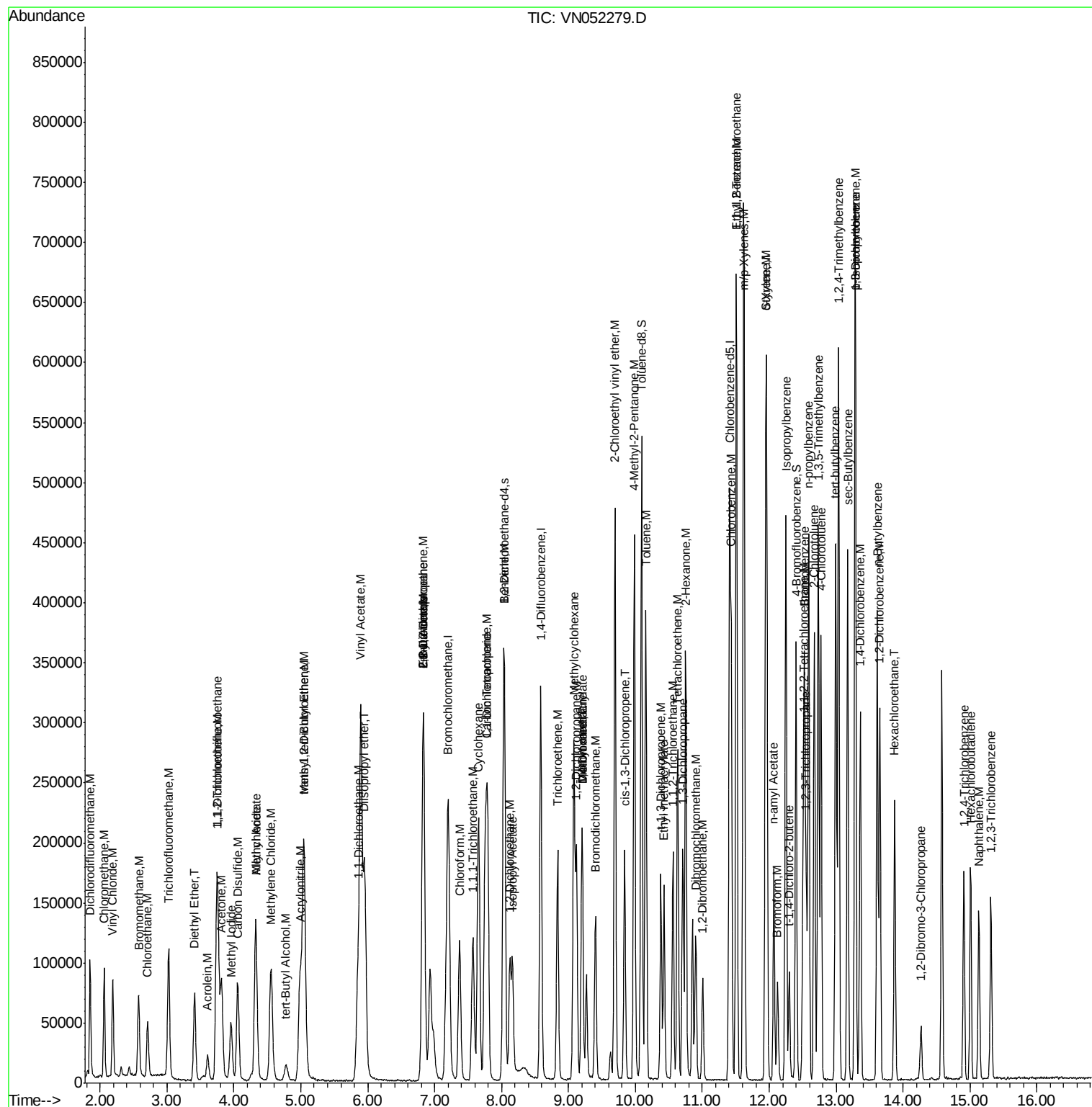
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

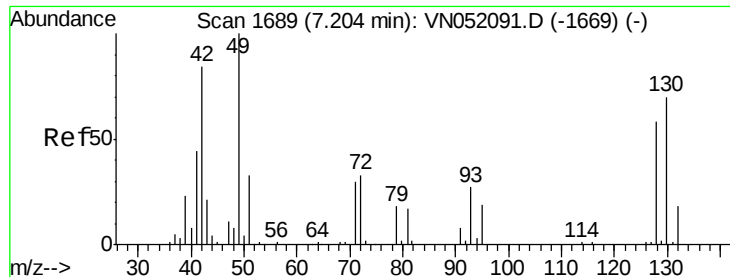
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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Quant Time: Nov 14 00:00:48 2018
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 02 05:39:38 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.01 min

Lab File: VN052279.D

Acq: 13 Nov 2018 11:41

Instrument :

MSVOA_N

ClientSampled :

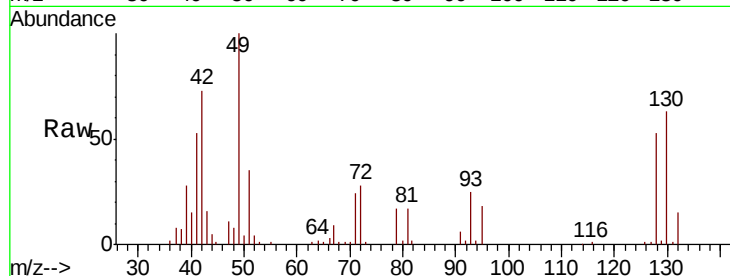
Tot Ion:128 Resp: 49222

Ion Ratio Lower Upper

128 100

49 197.0 0.0 453.7

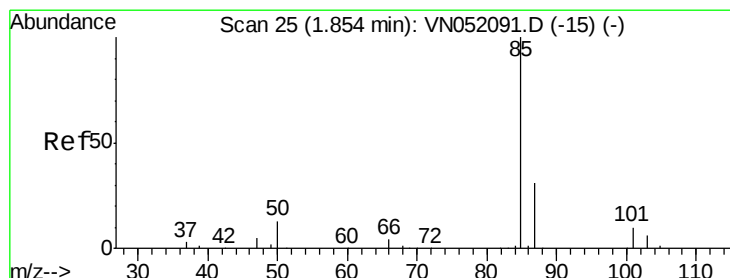
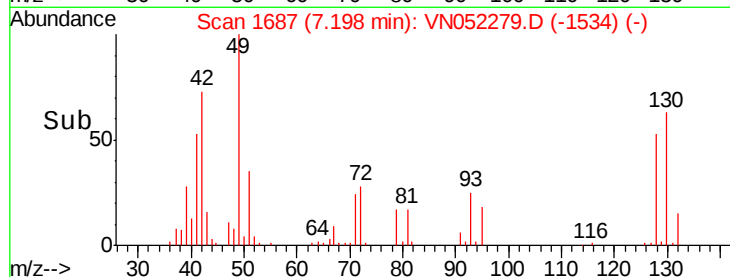
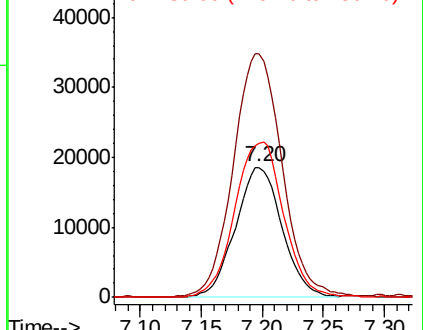
130 125.5 0.0 308.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 22.493 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN052279.D

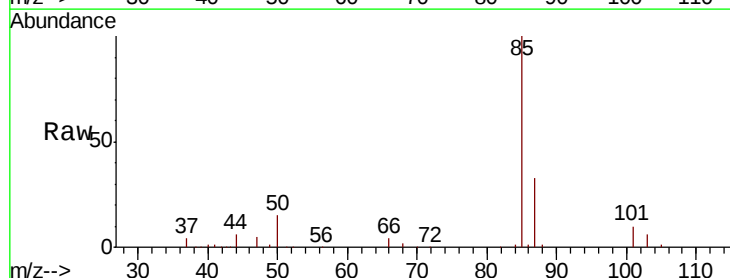
Acq: 13 Nov 2018 11:41

Tgt Ion: 85 Resp: 73945

Ion Ratio Lower Upper

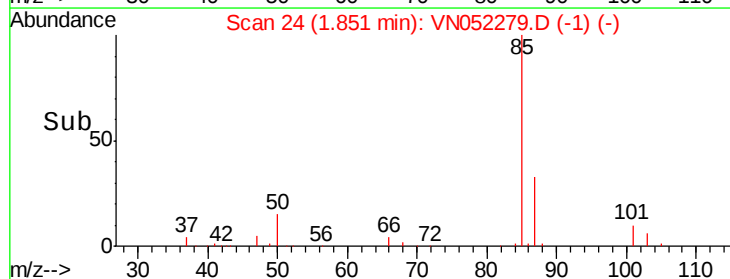
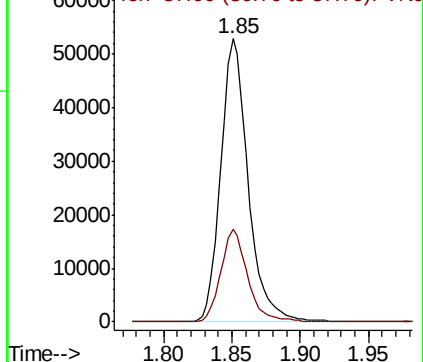
85 100

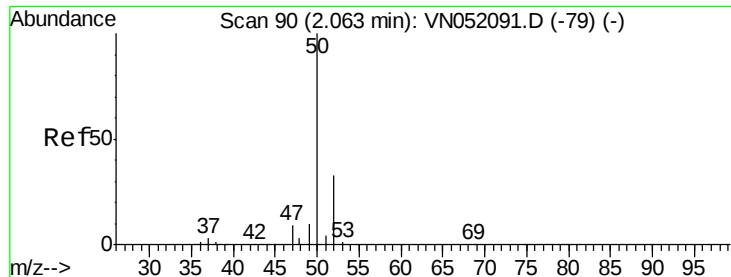
87 32.5 15.7 47.1



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 22.547 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN052279.D

Acq: 13 Nov 2018 11:41

Instrument :

MSVOA_N

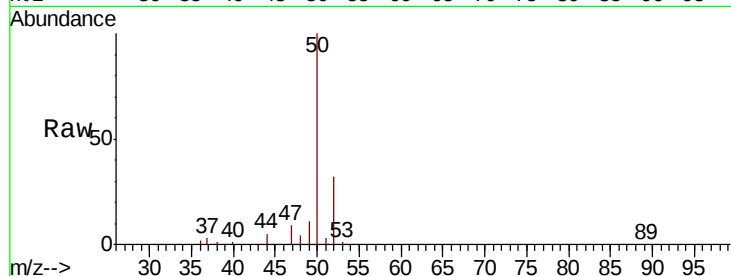
ClientSampleId :

Tot Ion: 50 Resp: 84714

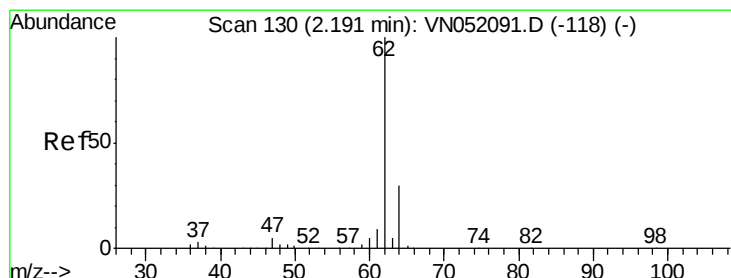
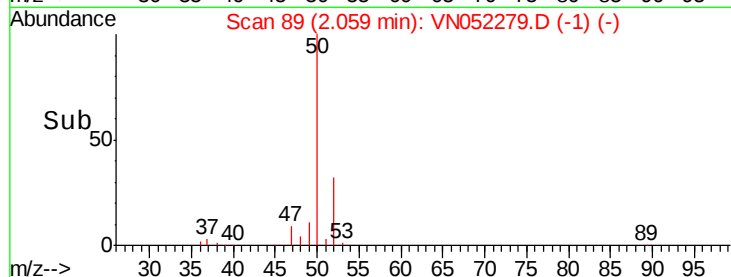
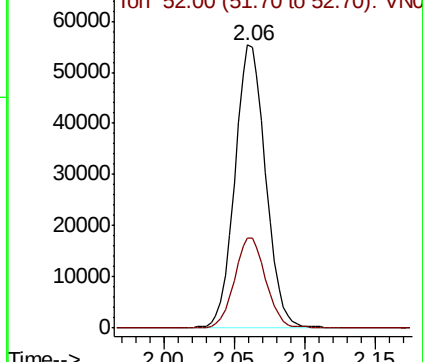
Ion Ratio Lower Upper

50 100

52 32.0 26.5 39.7



Abundance Ion 50.00 (49.70 to 50.70): VN052091.D (-79) (-)



#4

Vinyl Chloride

Concen: 19.511 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN052279.D

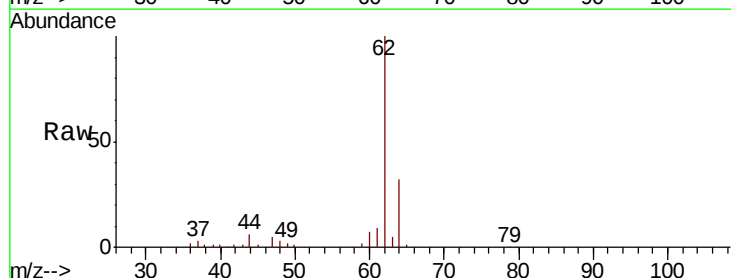
Acq: 13 Nov 2018 11:41

Tgt Ion: 62 Resp: 71915

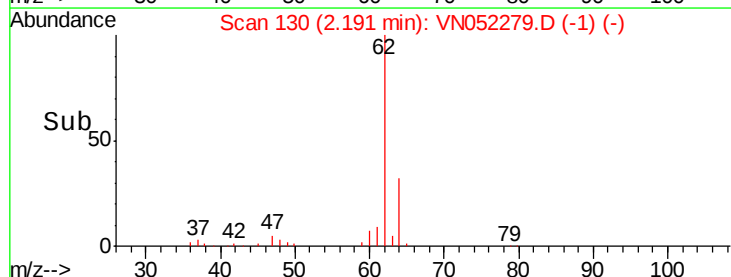
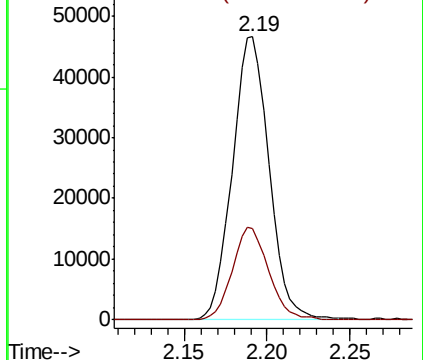
Ion Ratio Lower Upper

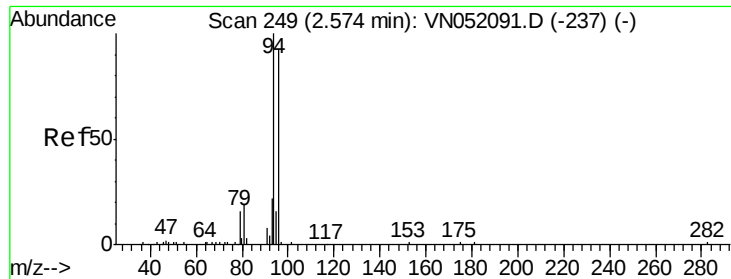
62 100

64 32.2 24.2 36.4



Abundance Ion 62.00 (61.70 to 62.70): VN052091.D (-118) (-)





#5

Bromomethane

Concen: 17.063 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN052279.D

Acq: 13 Nov 2018 11:41

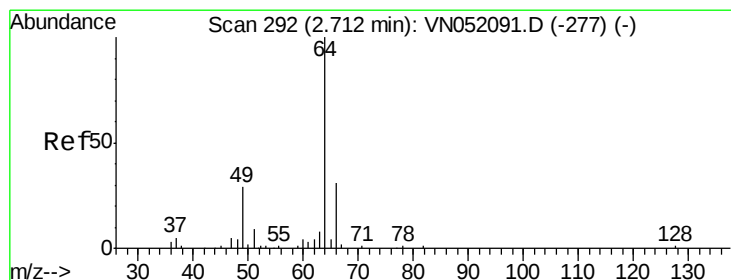
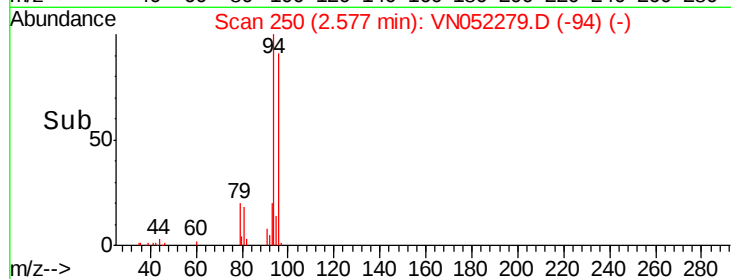
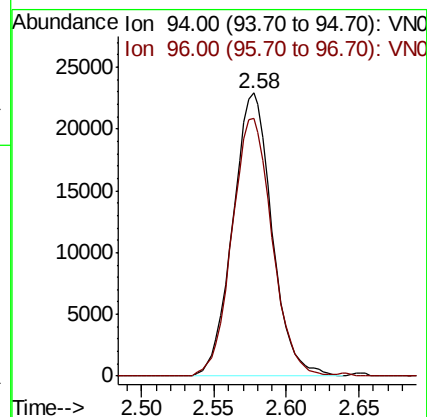
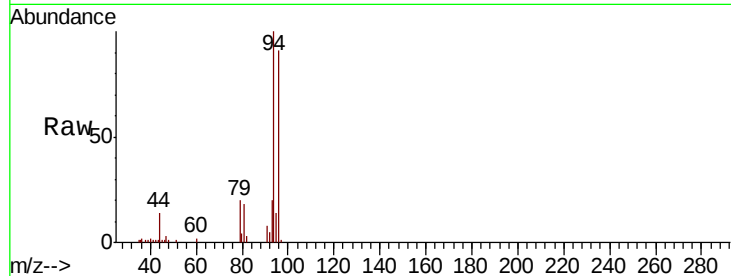
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 94 Resp: 42928

Ion Ratio Lower Upper

94 100

96 91.3 73.4 110.0



#6

Chloroethane

Concen: 16.837 ug/l

RT: 2.71 min Scan# 292

Delta R.T. -0.00 min

Lab File: VN052279.D

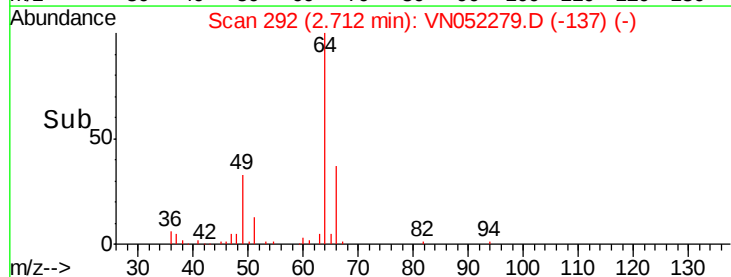
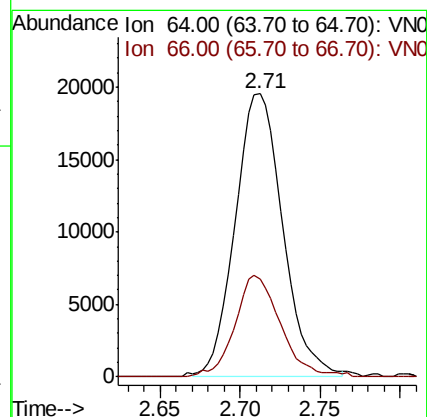
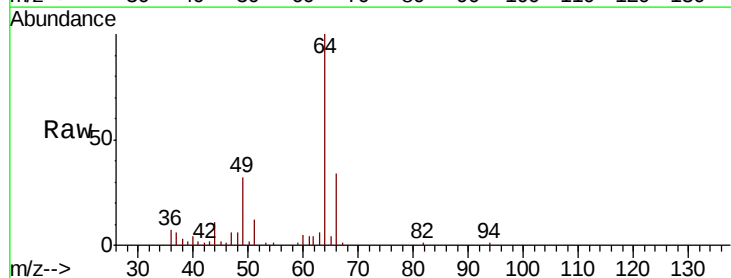
Acq: 13 Nov 2018 11:41

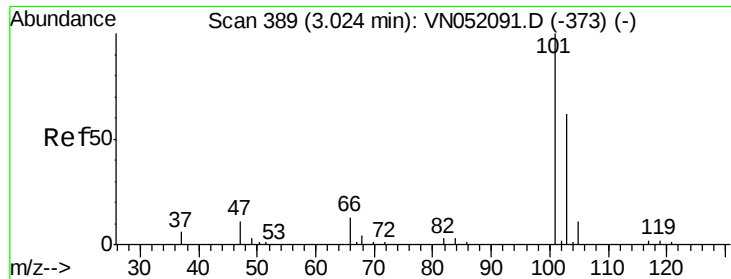
Tgt Ion: 64 Resp: 39681

Ion Ratio Lower Upper

64 100

66 34.0 24.7 37.1



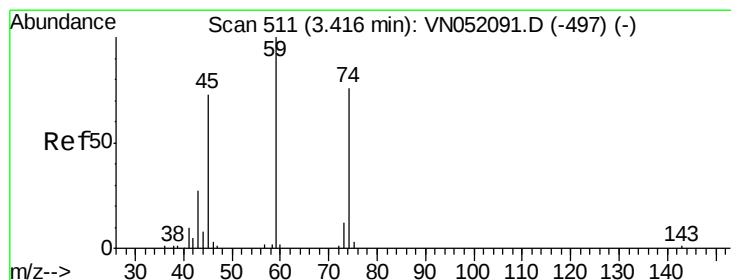
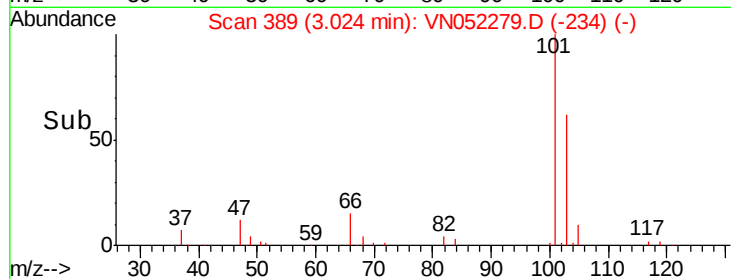
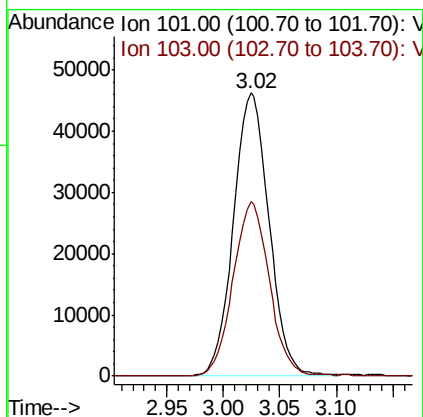
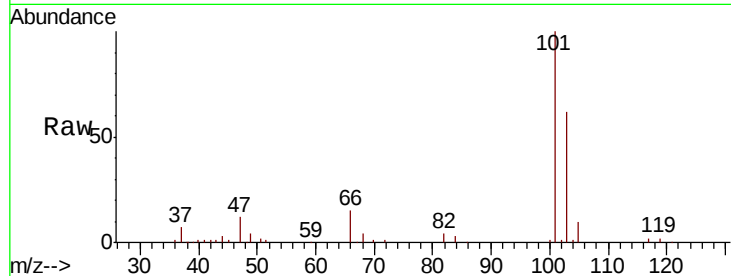


#7

Trichlorofluoromethane
Concen: 20.320 ug/l
RT: 3.02 min Scan# 389
Delta R.T. -0.00 min
Lab File: VN052279.D
Acq: 13 Nov 2018 11:41

Instrument :
MSVOA_N
ClientSampled :

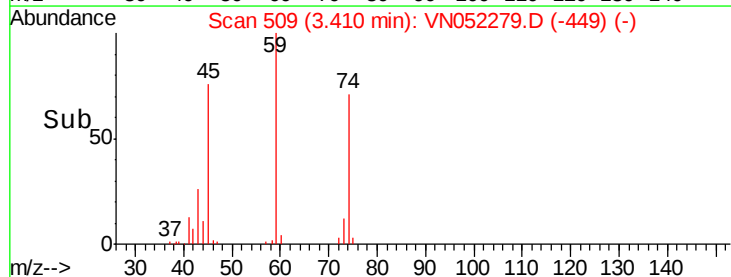
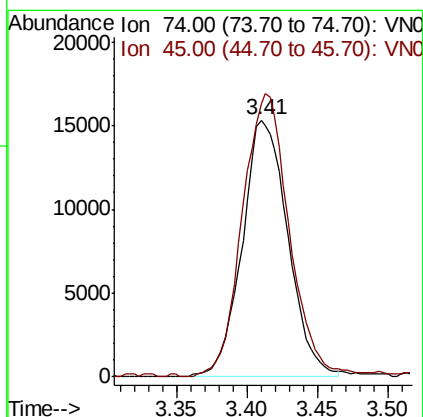
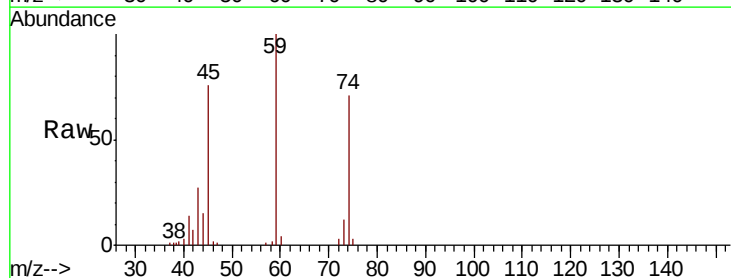
Tot Ion:101 Resp: 101421
Ion Ratio Lower Upper
101 100
103 61.5 49.5 74.3

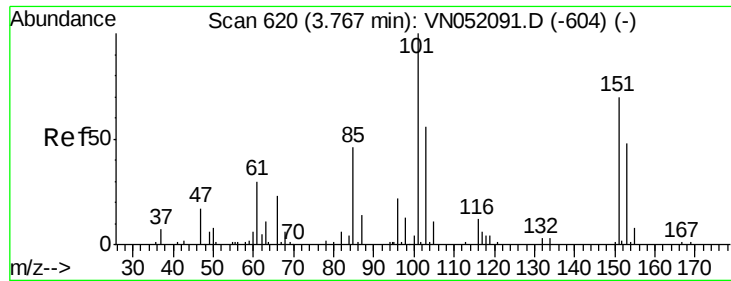


#8

Diethyl Ether
Concen: 20.608 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.01 min
Lab File: VN052279.D
Acq: 13 Nov 2018 11:41

Tgt Ion: 74 Resp: 34730
Ion Ratio Lower Upper
74 100
45 113.3 19.4 174.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.207 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN052279.D

Acq: 13 Nov 2018 11:41

Instrument :

MSVOA_N

ClientSampled :

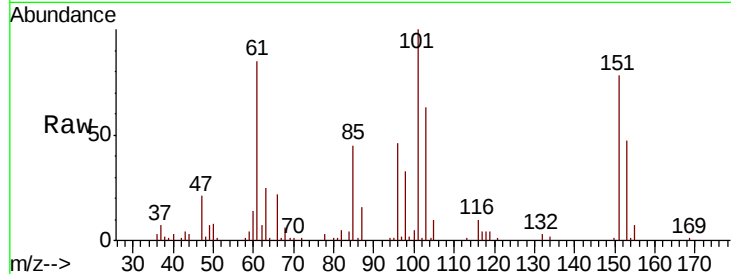
Tot Ion:101 Resp: 61864

Ion Ratio Lower Upper

101 100

85 47.4 0.0 98.0

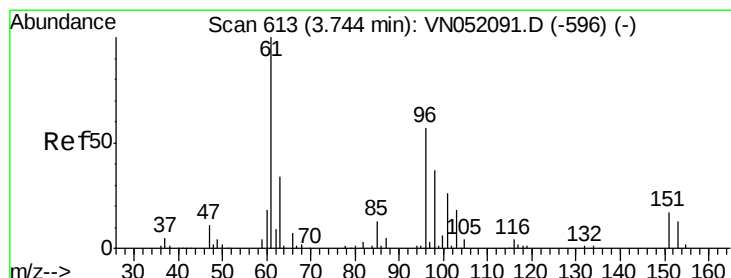
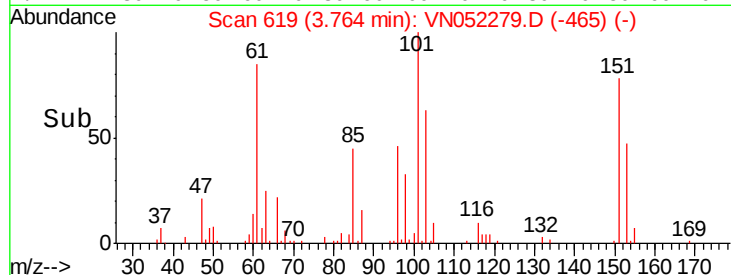
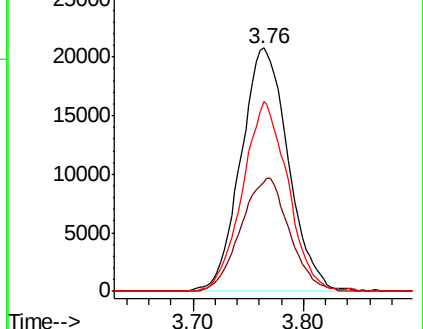
151 74.4 0.0 139.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VNO

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 20.626 ug/l

RT: 3.74 min Scan# 613

Delta R.T. -0.00 min

Lab File: VN052279.D

Acq: 13 Nov 2018 11:41

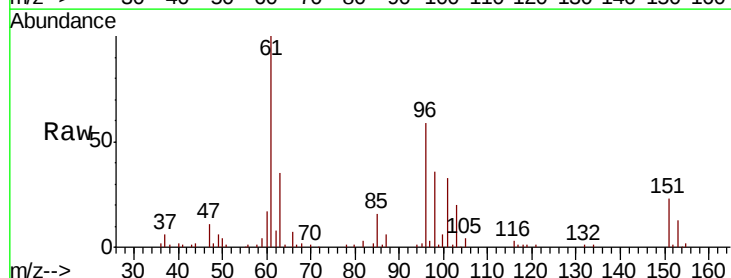
Tgt Ion: 96 Resp: 56144

Ion Ratio Lower Upper

96 100

61 167.7 140.3 210.5

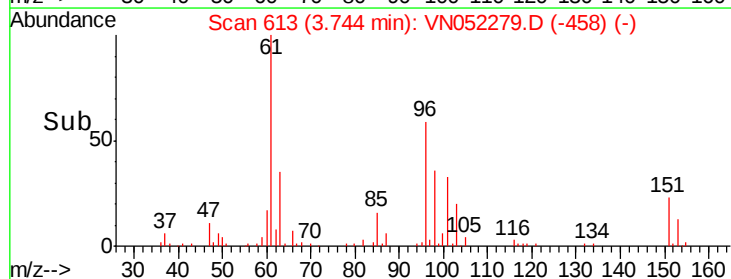
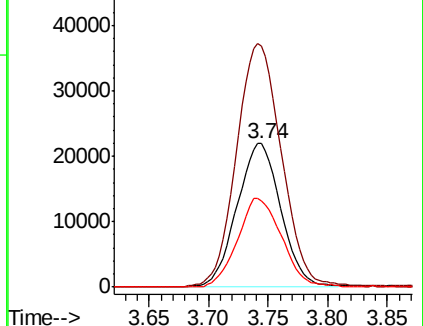
98 60.2 52.0 78.0

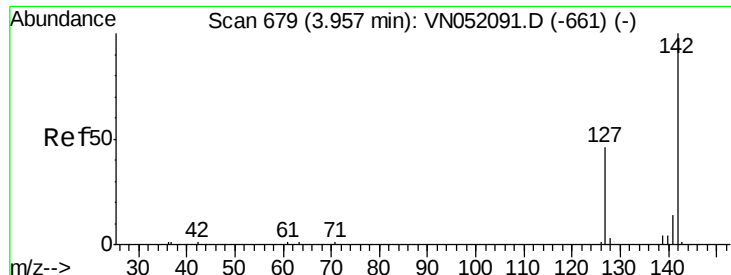


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

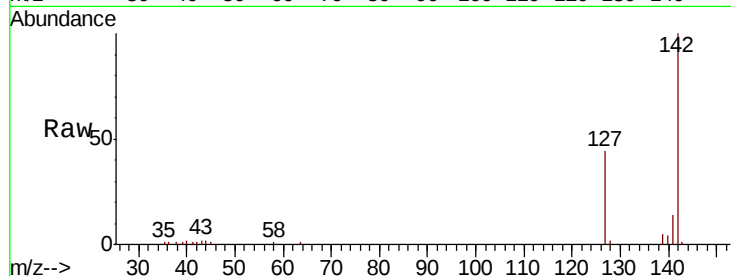




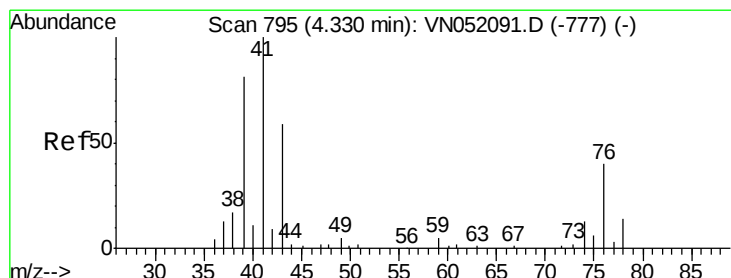
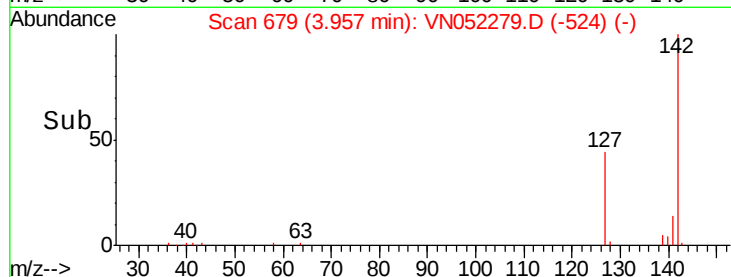
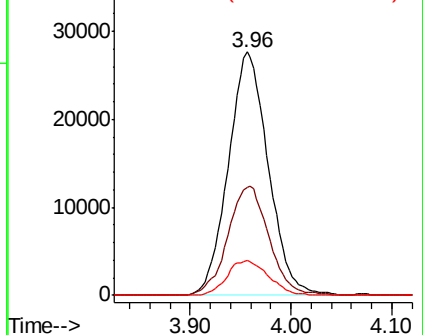
#11
Methvl Iodide
Concen: 19.307 ug/l
RT: 3.96 min Scan# 679
Delta R.T. -0.00 min
Lab File: VN052279.D
Acq: 13 Nov 2018 11:41

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:142 Resp: 75987
Ion Ratio Lower Upper
142 100
127 44.5 23.1 69.2
141 14.3 7.0 20.9

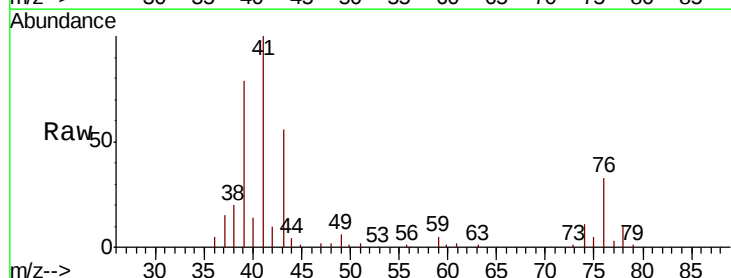


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

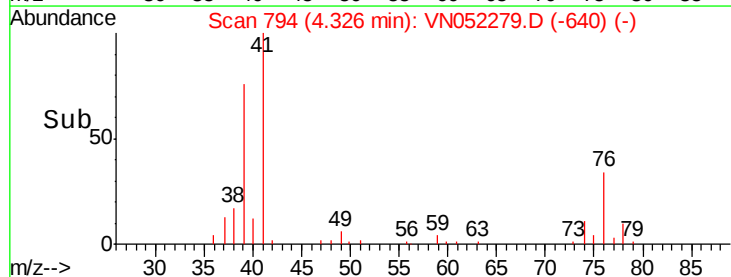
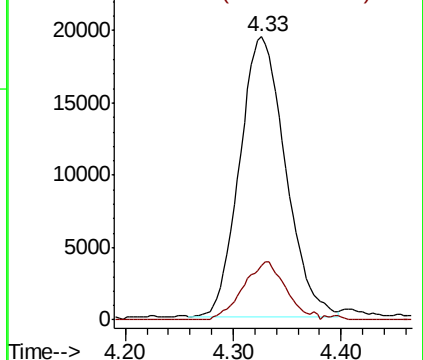


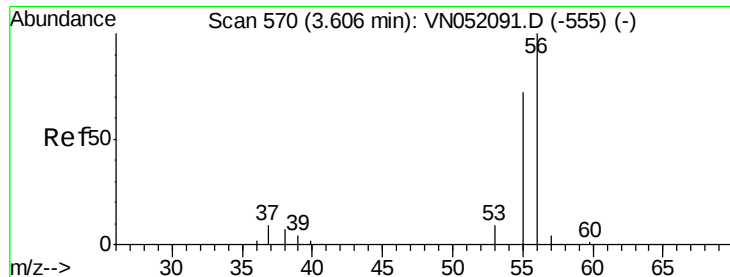
#12
Methyl Acetate
Concen: 24.949 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN052279.D
Acq: 13 Nov 2018 11:41

Tgt Ion: 43 Resp: 57161
Ion Ratio Lower Upper
43 100
74 18.8 17.4 26.2



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 74.00 (73.70 to 74.70): V





#13

Acrolein

Concen: 96.302 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052279.D

Acq: 13 Nov 2018 11:41

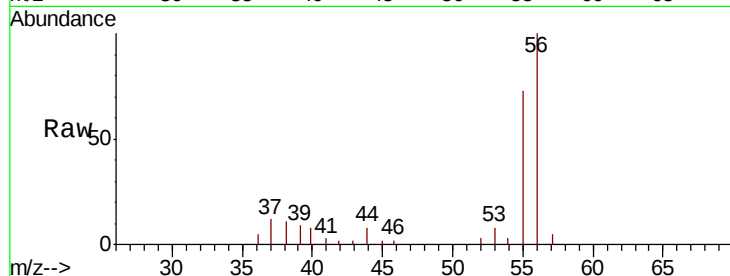
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 23403

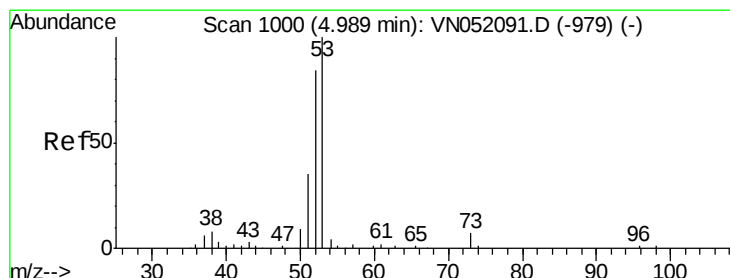
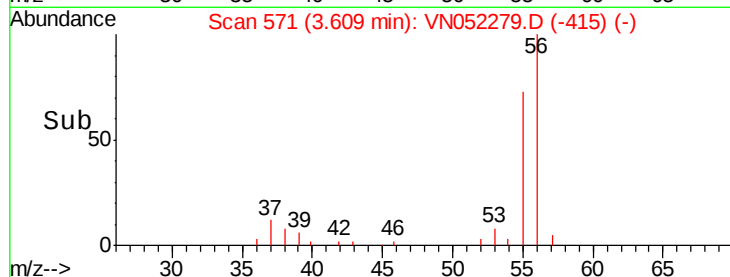
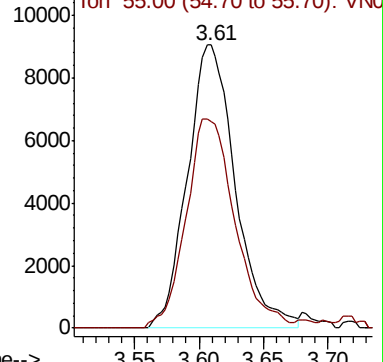
Ion Ratio Lower Upper

56 100

55 75.4 56.2 84.2



Abundance Ion 56.00 (55.70 to 56.70): VN052279.D (-415) (-)



#14

Acrylonitrile

Concen: 112.443 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN052279.D

Acq: 13 Nov 2018 11:41

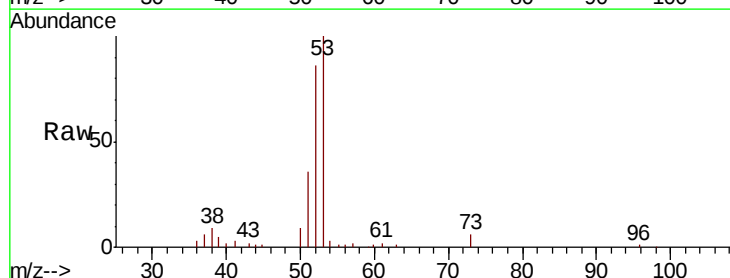
Tgt Ion: 53 Resp: 114247

Ion Ratio Lower Upper

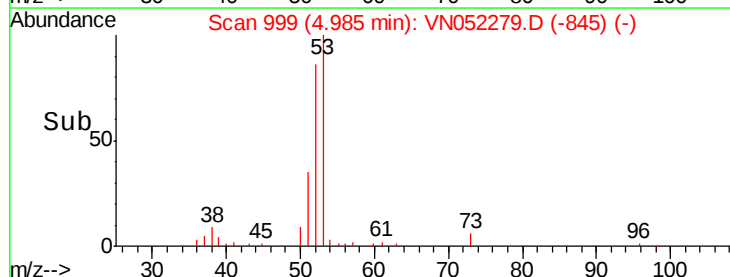
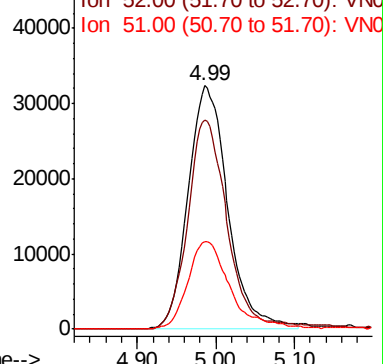
53 100

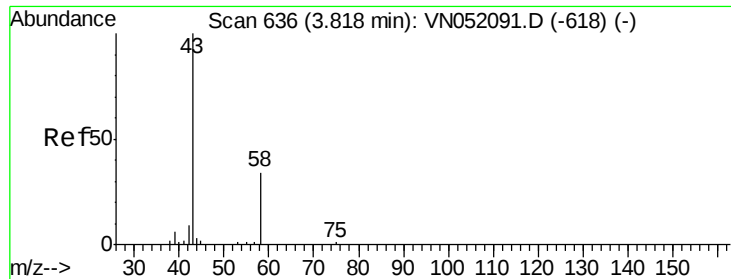
52 84.7 41.3 124.1

51 37.0 18.6 55.6



Abundance Ion 53.00 (52.70 to 53.70): VN052279.D (-845) (-)





#15

Acetone

Concen: 167.835 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN052279.D

Acq: 13 Nov 2018 11:41

Instrument :

MSVOA_N

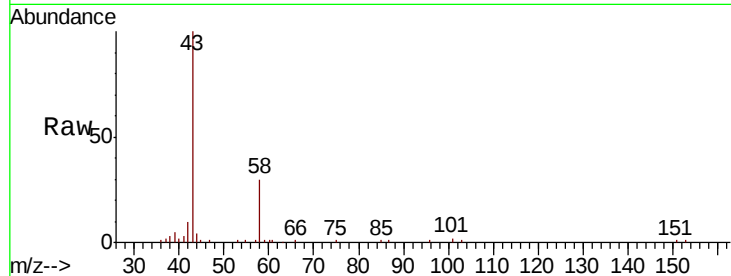
ClientSampled :

Tot Ion: 58 Resp: 40303

Ion Ratio Lower Upper

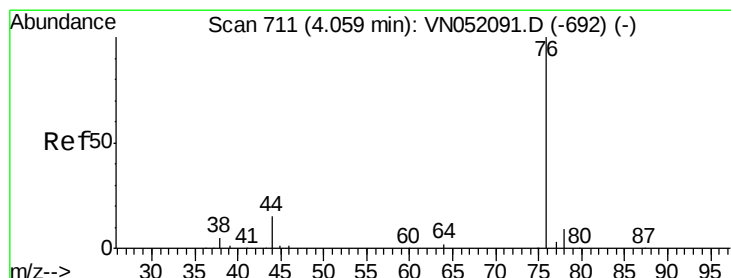
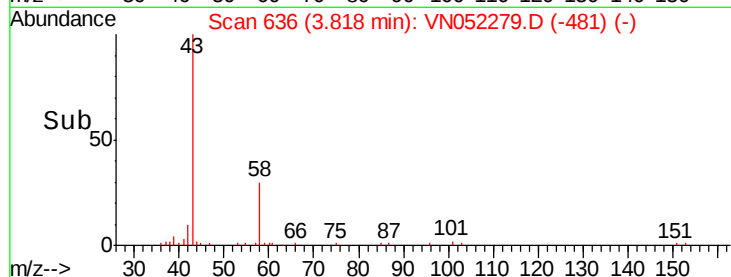
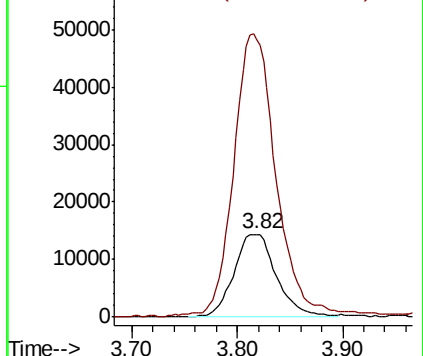
58 100

43 333.5 234.7 352.1



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 19.097 ug/l

RT: 4.06 min Scan# 711

Delta R.T. -0.00 min

Lab File: VN052279.D

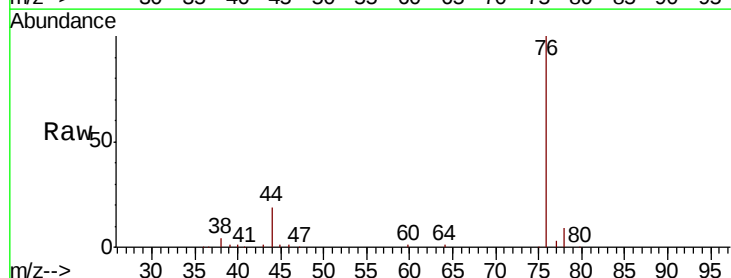
Acq: 13 Nov 2018 11:41

Tgt Ion: 76 Resp: 153484

Ion Ratio Lower Upper

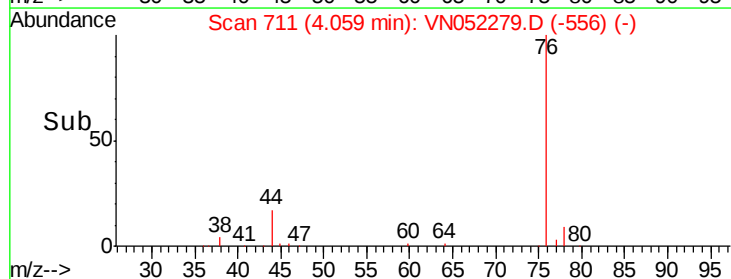
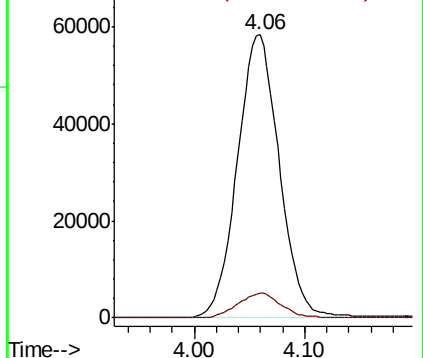
76 100

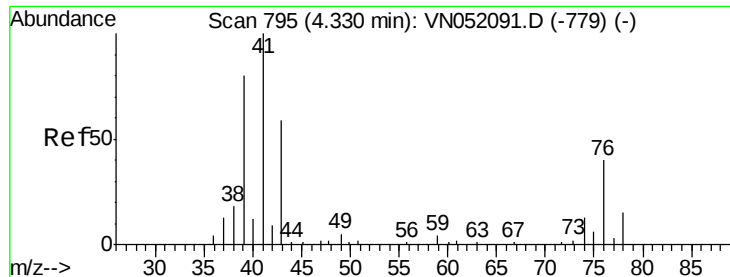
78 8.6 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

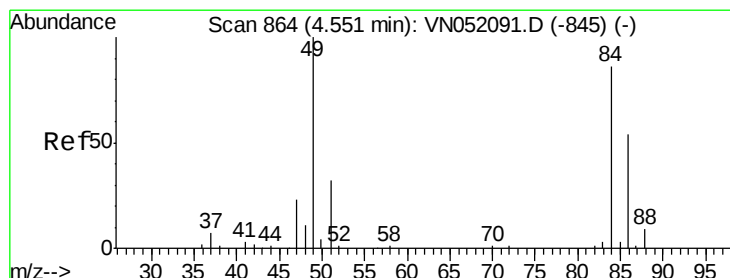
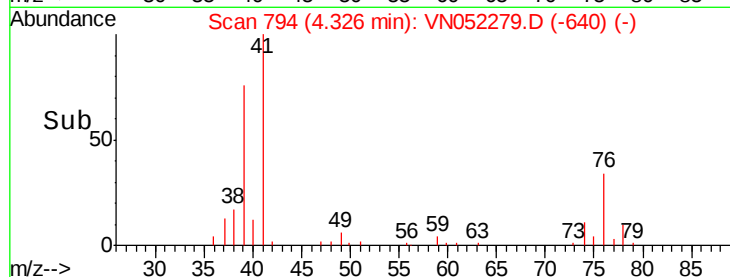
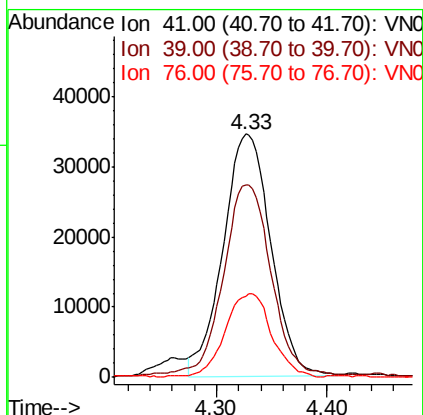
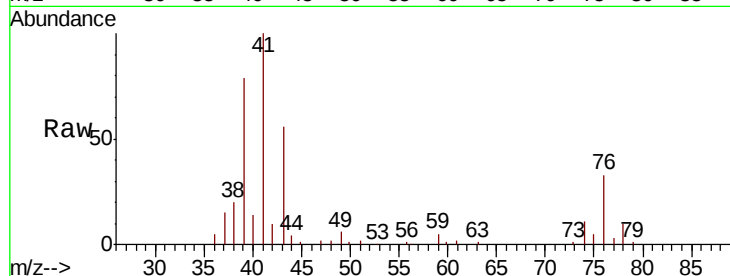




#17
Allvl chloride
Concen: 22.313 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN052279.D
Acq: 13 Nov 2018 11:41

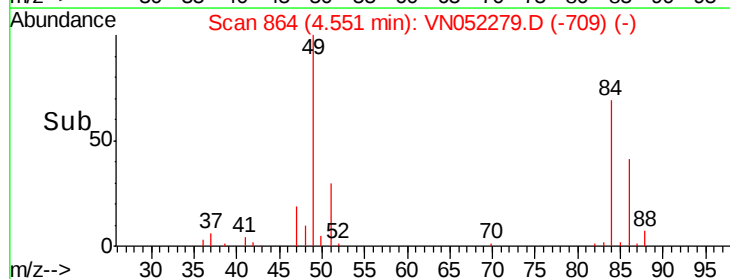
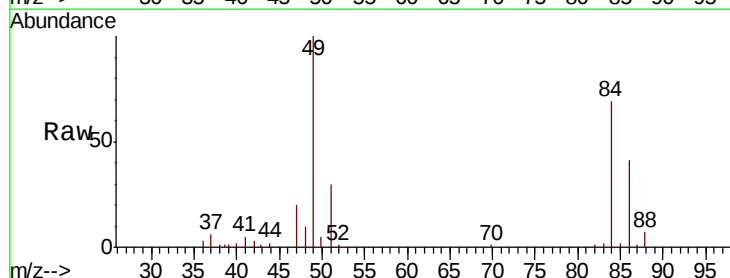
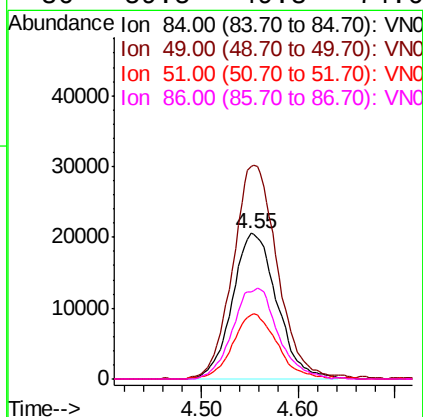
Instrument :
MSVOA_N
ClientSampled :

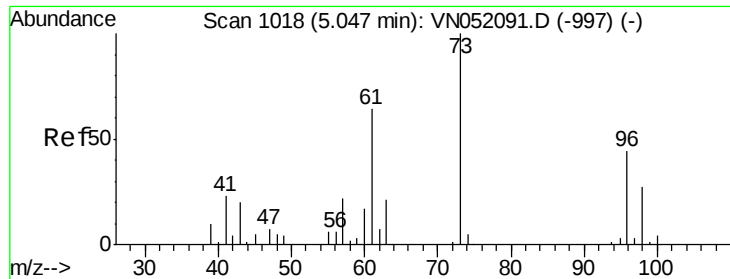
Tot Ion: 41 Resp: 103125
Ion Ratio Lower Upper
41 100
39 79.1 38.4 115.1
76 33.1 18.8 56.3



#18
Methylene Chloride
Concen: 19.570 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN052279.D
Acq: 13 Nov 2018 11:41

Tgt Ion: 84 Resp: 65752
Ion Ratio Lower Upper
84 100
49 145.0 92.6 138.8#
51 42.9 29.7 44.5
86 59.5 49.8 74.6

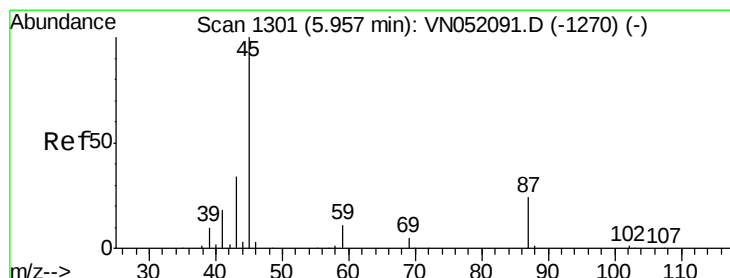
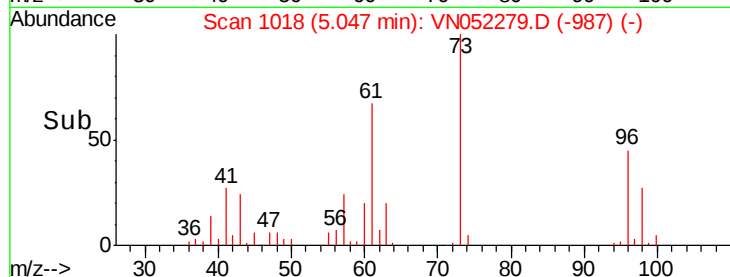
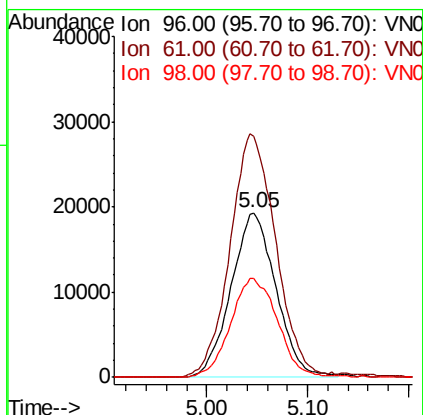
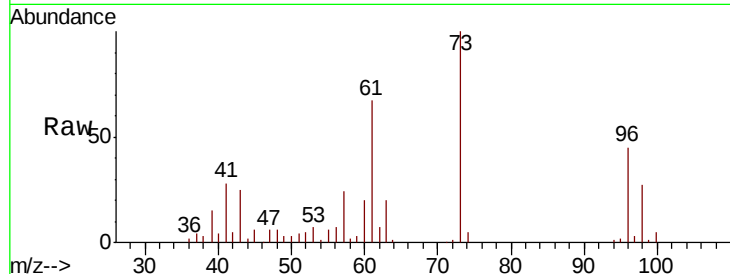




#19
trans-1,2-Dichloroethene
Concen: 20.033 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052279.D
Acq: 13 Nov 2018 11:41

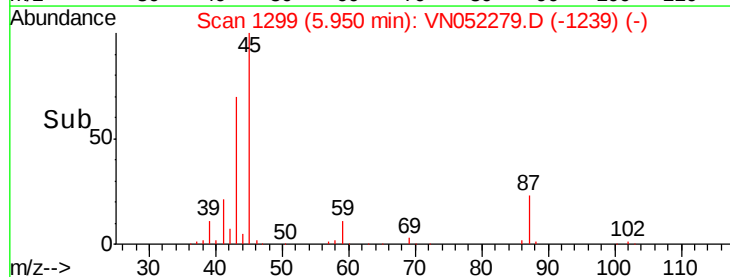
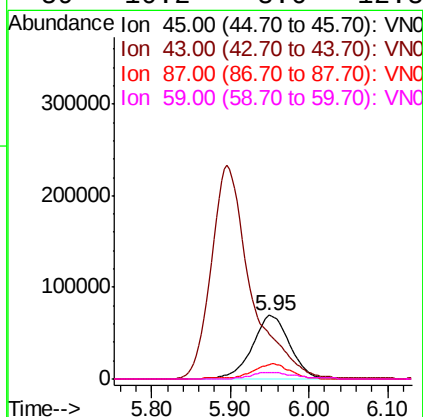
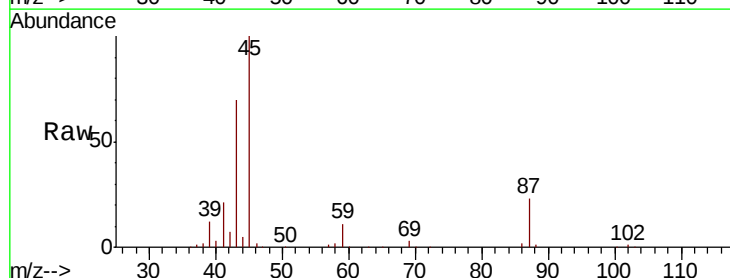
Instrument :
MSVOA_N
ClientSampled :

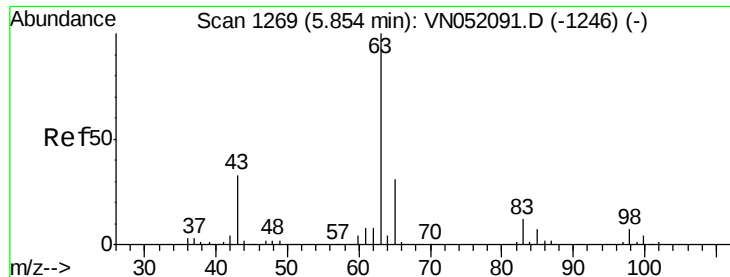
Tot Ion: 96 Resp: 59748
Ion Ratio Lower Upper
96 100
61 145.1 117.8 176.6
98 60.2 49.3 73.9



#20
Diisopropyl ether
Concen: 23.397 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.01 min
Lab File: VN052279.D
Acq: 13 Nov 2018 11:41

Tgt Ion: 45 Resp: 234980
Ion Ratio Lower Upper
45 100
43 67.3 49.4 74.0
87 22.7 20.3 30.5
59 10.2 8.6 12.8

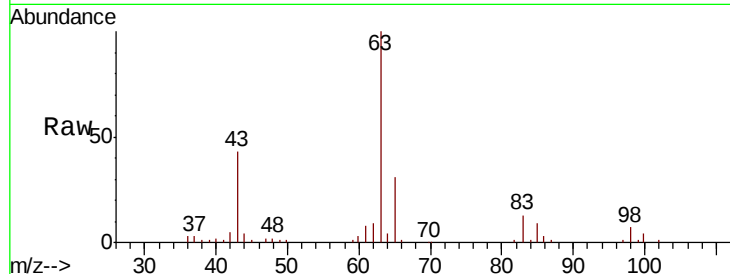




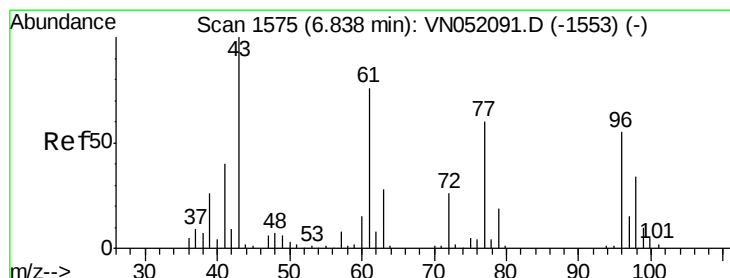
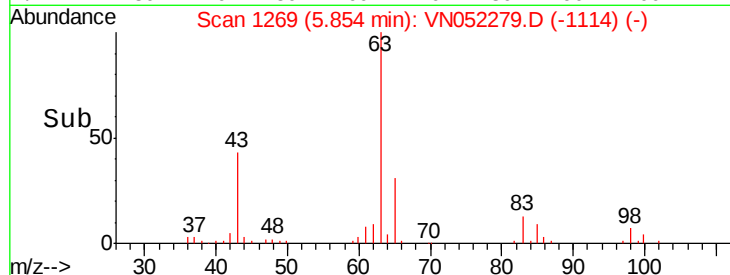
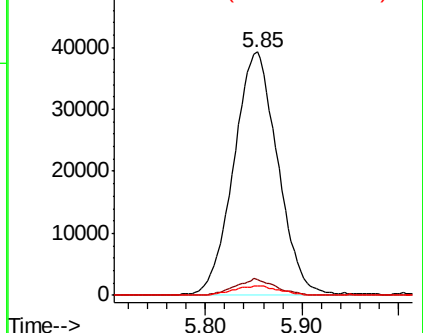
#21
 1,1-Dichloroethane
 Concen: 21.111 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VN052279.D
 Acq: 13 Nov 2018 11:41

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.4	10.1
100	4.1	2.0	5.8

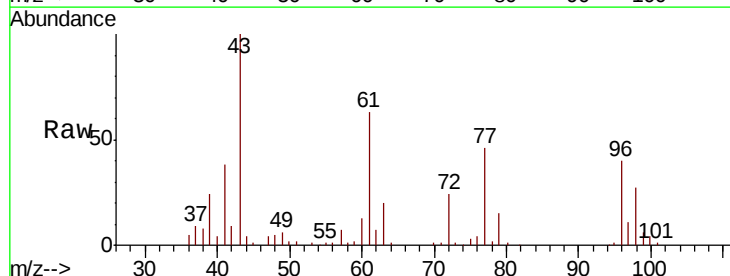


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

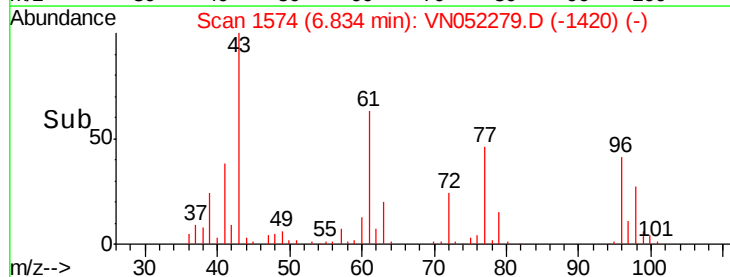
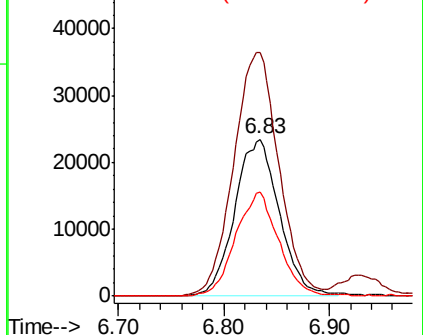


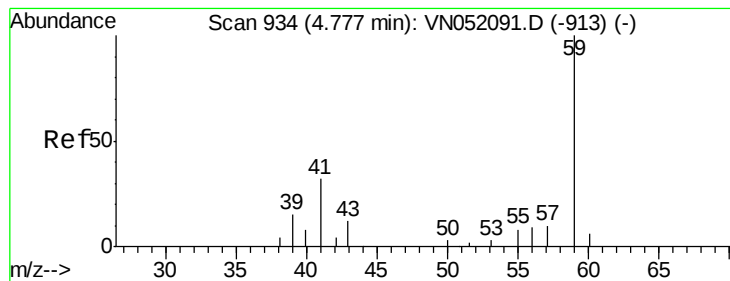
#22
 cis-1,2-Dichloroethene
 Concen: 19.788 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VN052279.D
 Acq: 13 Nov 2018 11:41

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.5	117.6	176.4
98	63.6	51.0	76.4



Abundance Ion 96.00 (95.70 to 96.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0



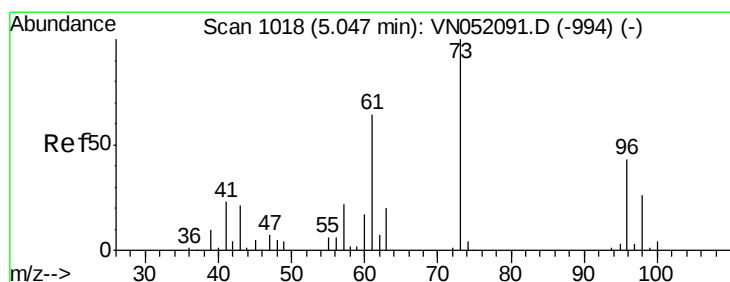
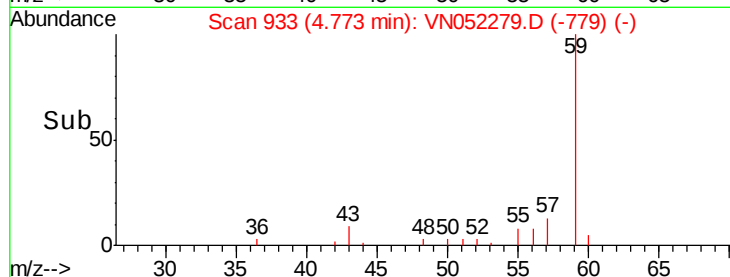
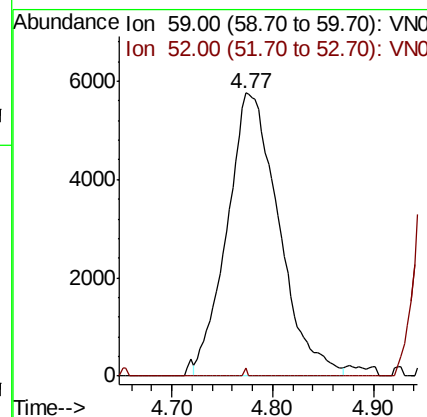
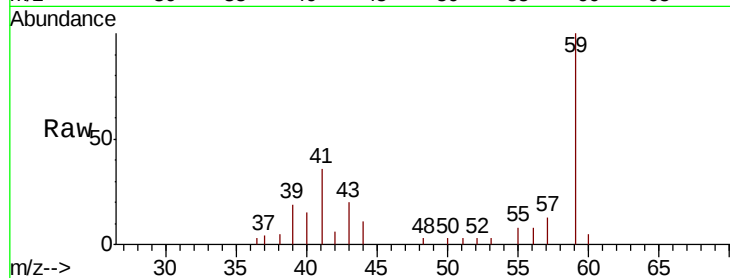


#23

tert-Butyl Alcohol
 Concen: 129.819 ug/l
 RT: 4.77 min Scan# 933
 Delta R.T. -0.00 min
 Lab File: VN052279.D
 Acq: 13 Nov 2018 11:41

Instrument :
 MSVOA_N
 ClientSampleId :

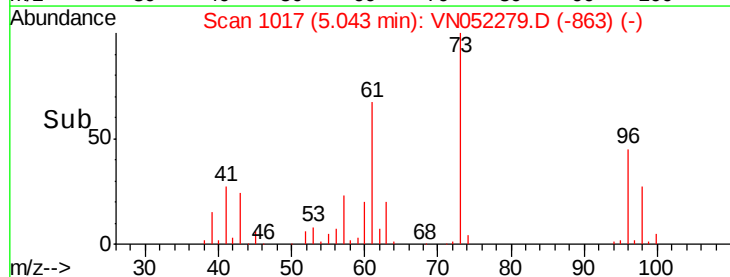
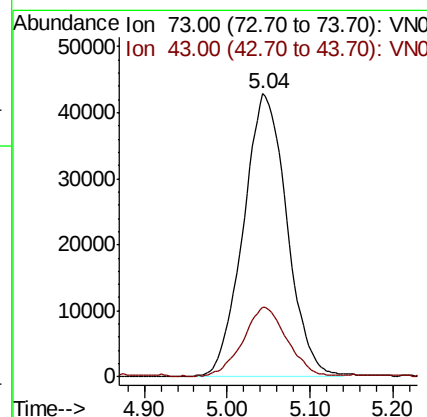
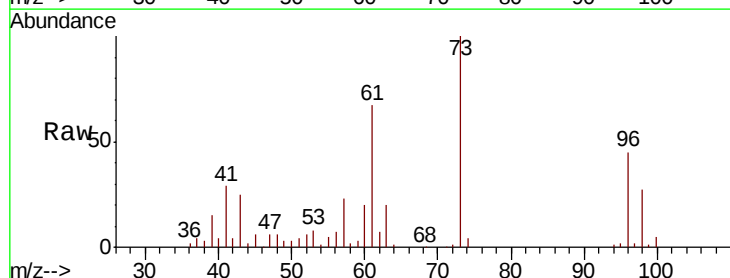
Tot Ion: 59 Resp: 20551
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.3 0.5#

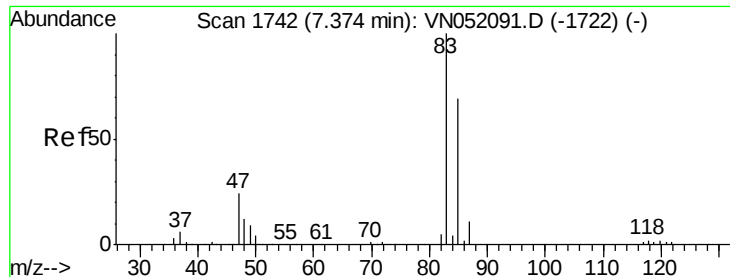


#24

Methyl tert-Butyl Ether
 Concen: 20.324 ug/l
 RT: 5.04 min Scan# 1017
 Delta R.T. -0.00 min
 Lab File: VN052279.D
 Acq: 13 Nov 2018 11:41

Tgt Ion: 73 Resp: 156836
 Ion Ratio Lower Upper
 73 100
 43 24.5 17.4 26.2

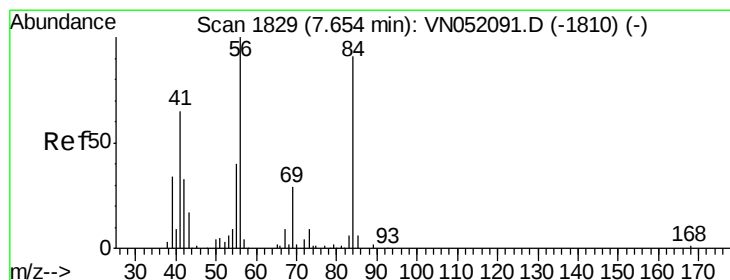
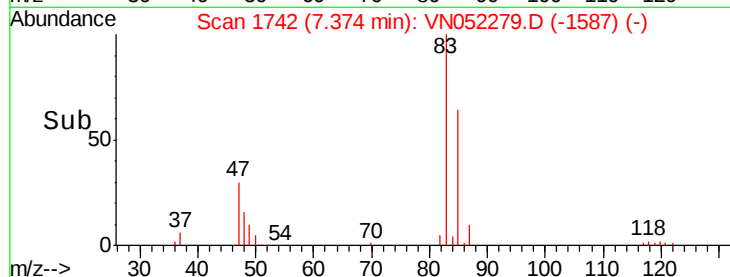
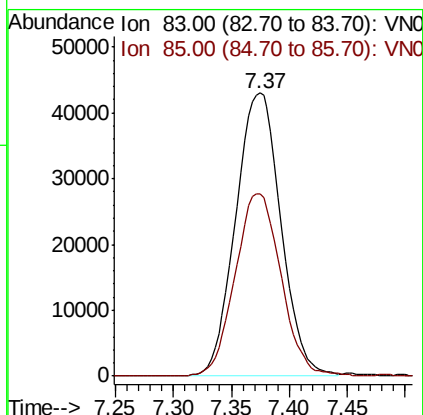
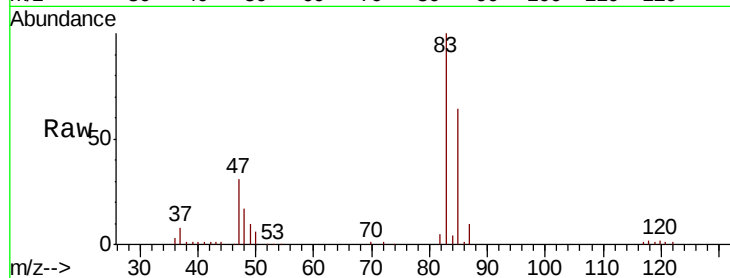




#25
Chloroform
Concen: 19.822 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN052279.D
Acq: 13 Nov 2018 11:41

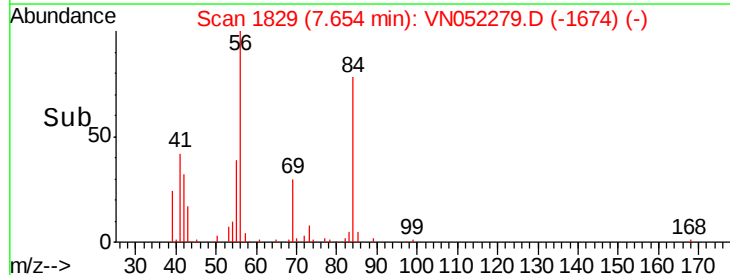
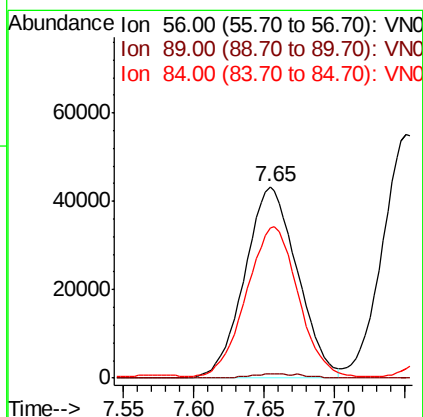
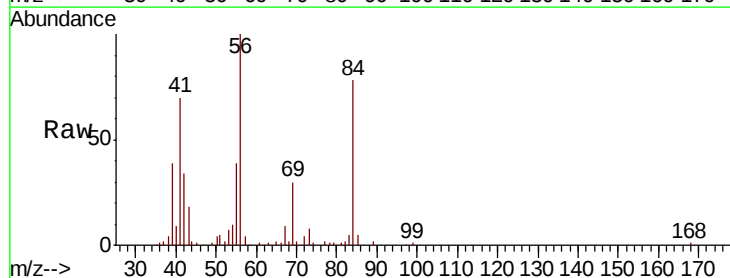
Instrument :
MSVOA_N
ClientSampleId :

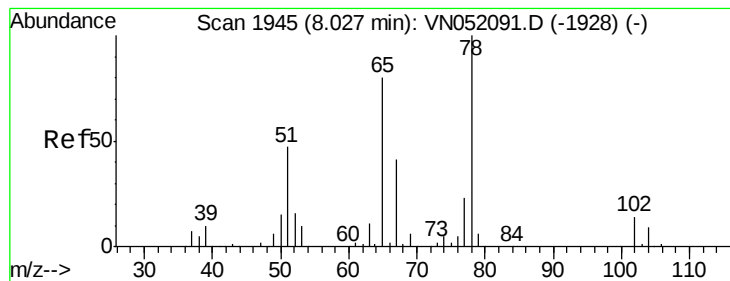
Tot Ion: 83 Resp: 116818
Ion Ratio Lower Upper
83 100
85 64.2 54.9 82.3



#26
Cyclohexane
Concen: 21.412 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN052279.D
Acq: 13 Nov 2018 11:41

Tgt Ion: 56 Resp: 112655
Ion Ratio Lower Upper
56 100
89 1.5 2.2 3.2#
84 77.4 71.0 106.6





#27

1,2-Dichloroethane-d4

Concen: 21.412 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN052279.D

Acq: 13 Nov 2018 11:41

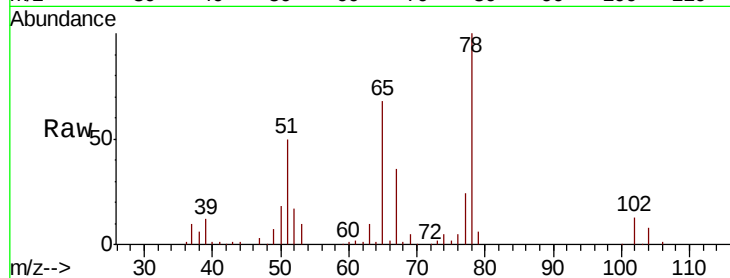
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 65 Resp: 112248

Ion Ratio Lower Upper

65 100

67 52.2 42.6 64.0



Abundance Ion 65.00 (64.70 to 65.70): VN052091.D (-1928) (-)

Ion 67.00 (66.70 to 67.70): VN052091.D (-1928) (-)

8.03

50000

40000

30000

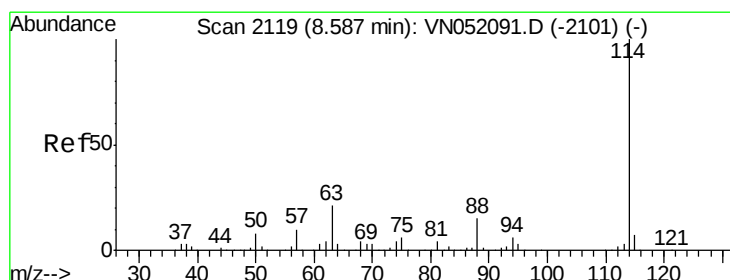
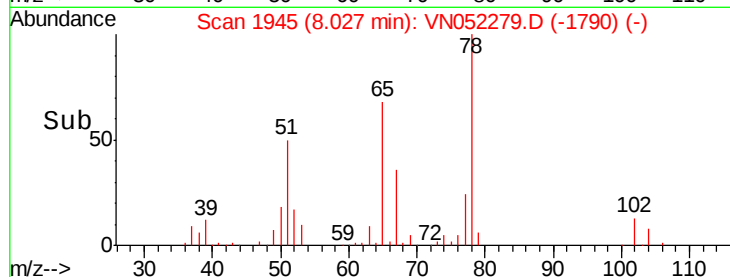
20000

10000

0

7.95 8.00 8.05 8.10

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN052279.D

Acq: 13 Nov 2018 11:41

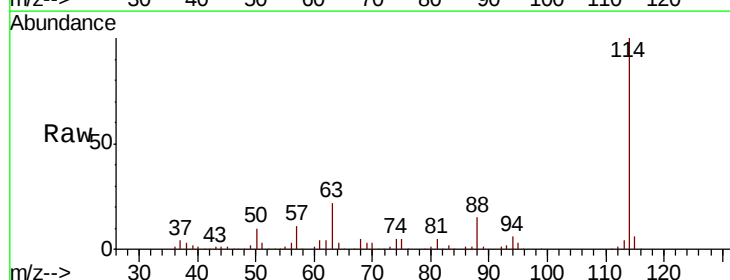
Tgt Ion: 114 Resp: 278216

Ion Ratio Lower Upper

114 100

63 22.2 17.5 26.3

88 15.5 12.6 18.8



Abundance Ion 114.00 (113.70 to 114.70): VN052091.D (-2101) (-)

Ion 63.00 (62.70 to 63.70): VN052091.D (-2101) (-)

Ion 88.00 (87.70 to 88.70): VN052091.D (-2101) (-)

8.58

150000

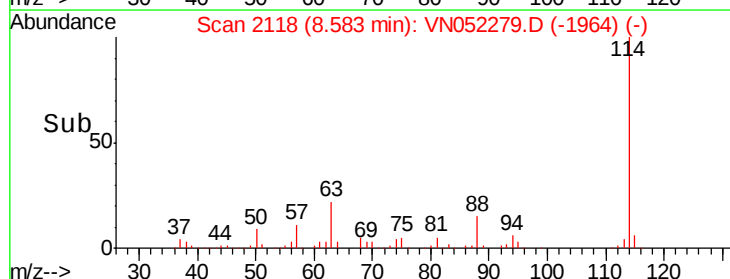
100000

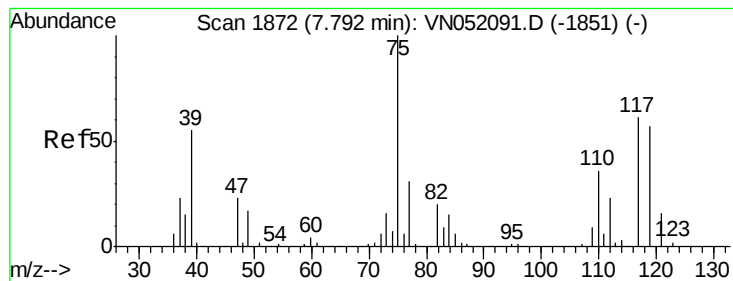
50000

0

8.50 8.55 8.60 8.65

Time-->





#29

1,1-Dichloropropene

Concen: 20.937 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. -0.00 min

Lab File: VN052279.D

Acq: 13 Nov 2018 11:41

Instrument :

MSVOA_N

ClientSampled :

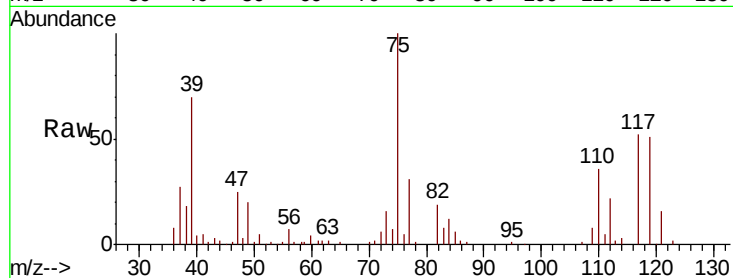
Tot Ion: 75 Resp: 92479

Ion Ratio Lower Upper

75 100

110 33.7 0.0 67.6

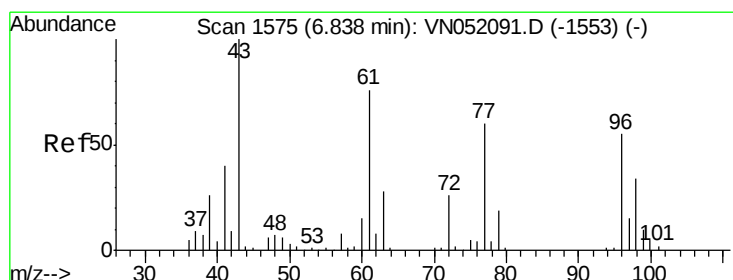
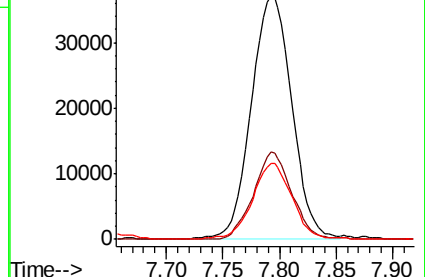
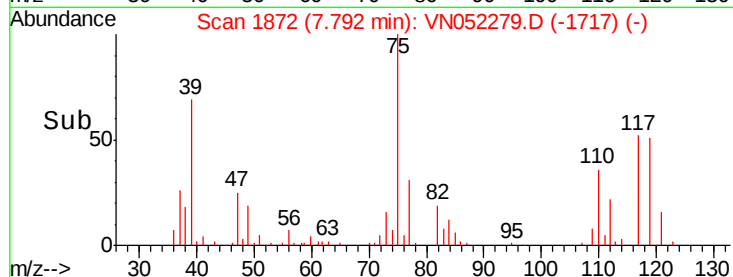
77 30.2 0.0 60.2



Abundance Ion 75.00 (74.70 to 75.70): VN052091.D (-1851) (-)

Ion 110.00 (109.70 to 110.70): VN052091.D (-1851) (-)

Ion 77.00 (76.70 to 77.70): VN052091.D (-1851) (-)



#30

2-Butanone

Concen: 146.399 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VN052279.D

Acq: 13 Nov 2018 11:41

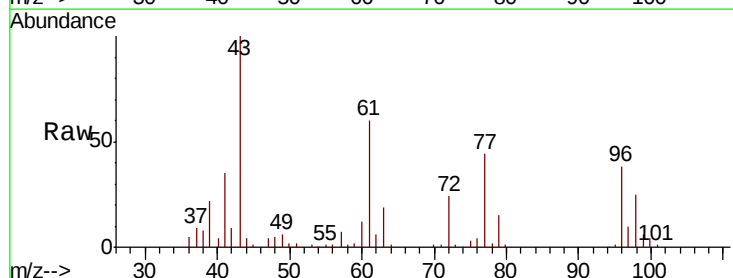
Tgt Ion: 43 Resp: 172210

Ion Ratio Lower Upper

43 100

57 7.5 6.6 9.8

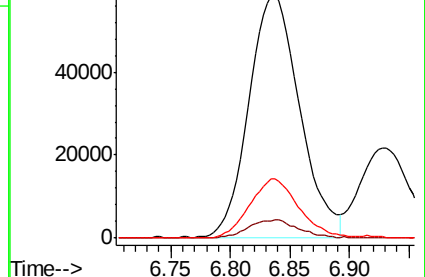
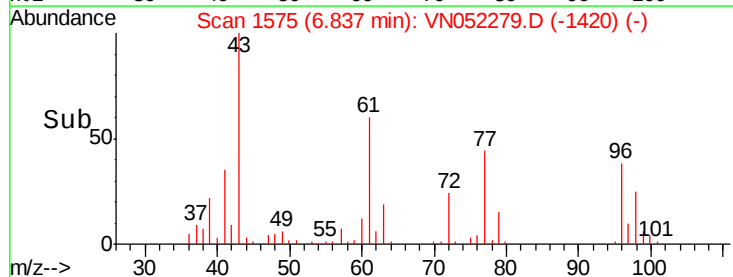
72 23.8 9.2 13.8#

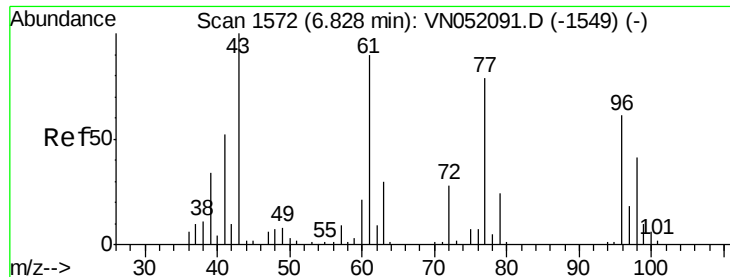


Abundance Ion 43.00 (42.70 to 43.70): VN052091.D (-1553) (-)

Ion 57.00 (56.70 to 57.70): VN052091.D (-1553) (-)

Ion 72.00 (71.70 to 72.70): VN052091.D (-1553) (-)

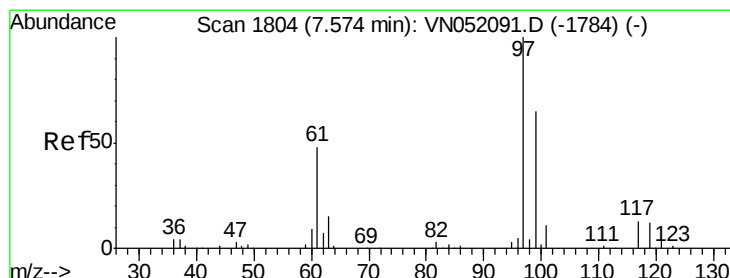
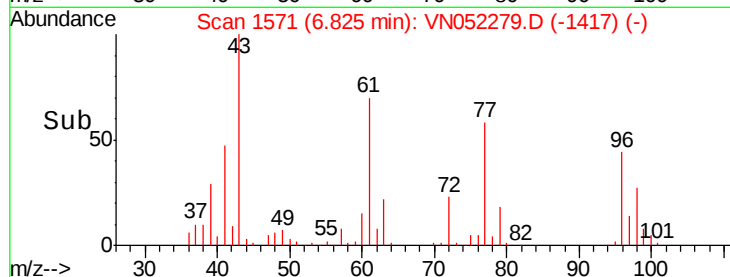
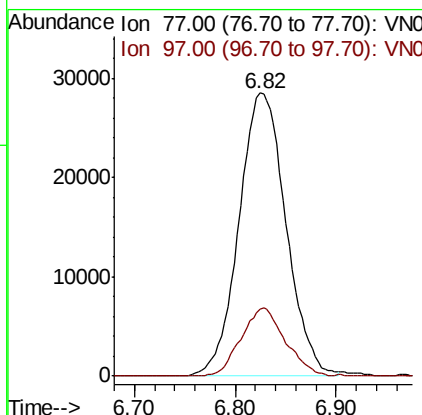
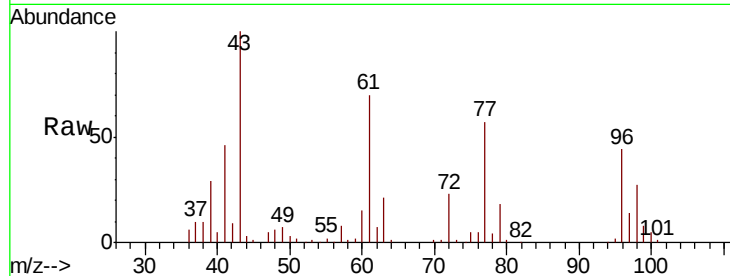




#31
 2,2-Dichloropropane
 Concen: 20.258 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VN052279.D
 Acq: 13 Nov 2018 11:41

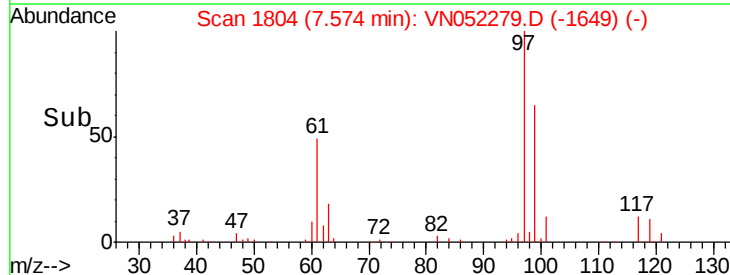
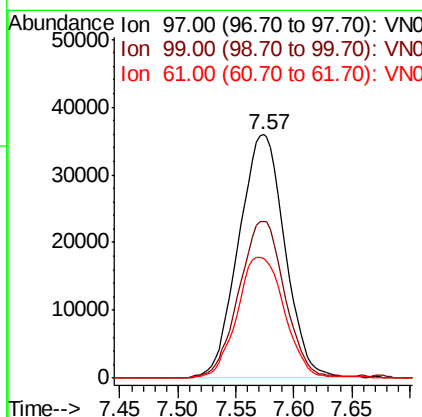
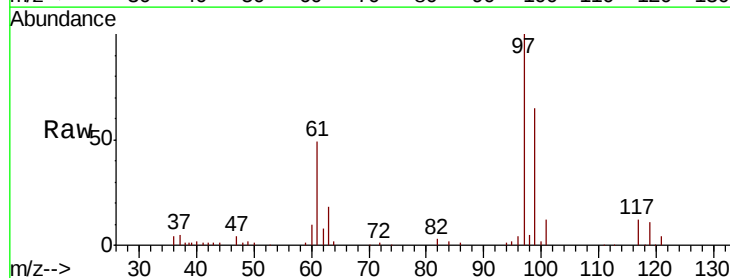
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 77 Resp: 92175
 Ion Ratio Lower Upper
 77 100
 97 22.6 18.2 27.2



#32
 1,1,1-Trichloroethane
 Concen: 20.123 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN052279.D
 Acq: 13 Nov 2018 11:41

Tgt Ion: 97 Resp: 99450
 Ion Ratio Lower Upper
 97 100
 99 63.7 51.7 77.5
 61 50.8 38.7 58.1

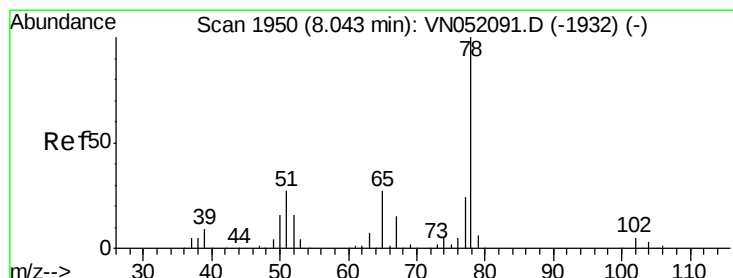
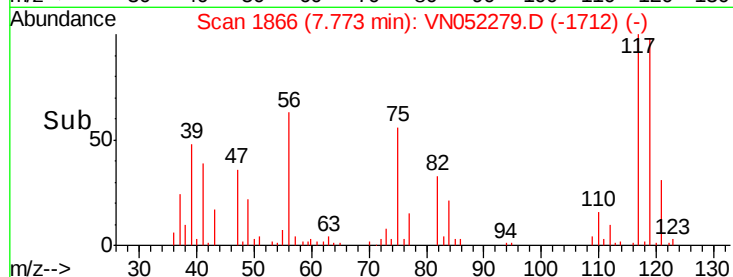
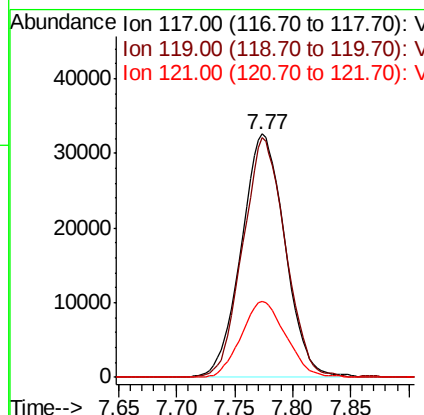
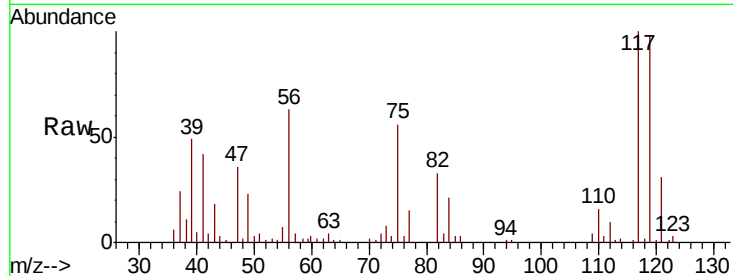




#33
Carbon Tetrachloride
Concen: 19.325 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN052279.D
Acq: 13 Nov 2018 11:41

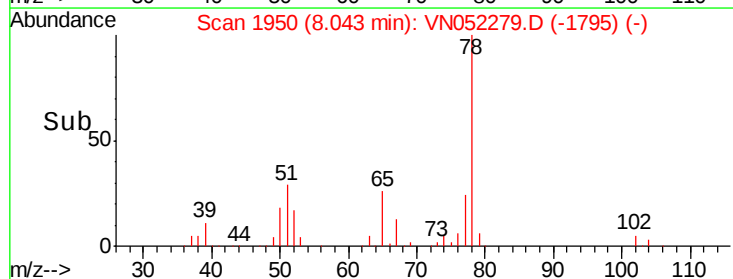
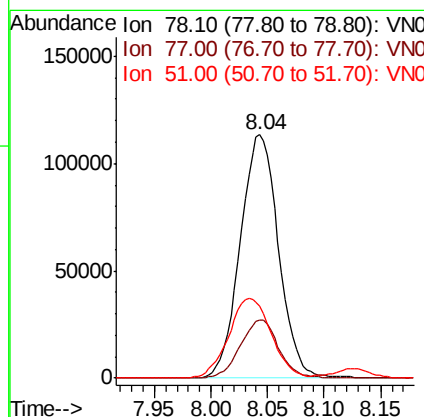
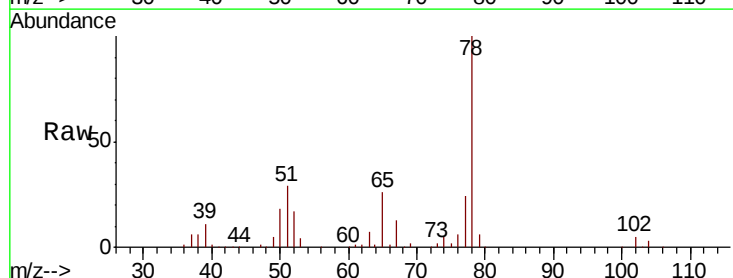
Instrument :
MSVOA_N
ClientSampled :

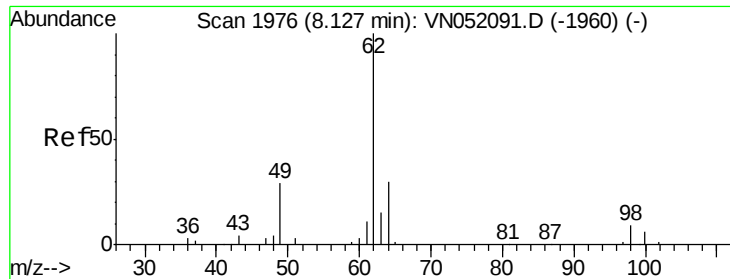
Tot Ion:117 Resp: 84940
Ion Ratio Lower Upper
117 100
119 98.3 74.7 112.1
121 30.9 23.4 35.0



#34
Benzene
Concen: 20.680 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN052279.D
Acq: 13 Nov 2018 11:41

Tgt Ion: 78 Resp: 267462
Ion Ratio Lower Upper
78 100
77 24.0 19.1 28.7
51 29.1 21.2 31.8





#36

1,2-Dichloroethane

Concen: 21.711 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN052279.D

Acq: 13 Nov 2018 11:41

Instrument :

MSVOA_N

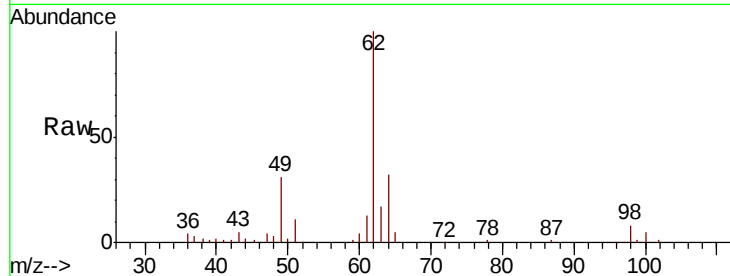
ClientSampled :

Tot Ion: 62 Resp: 93887

Ion Ratio Lower Upper

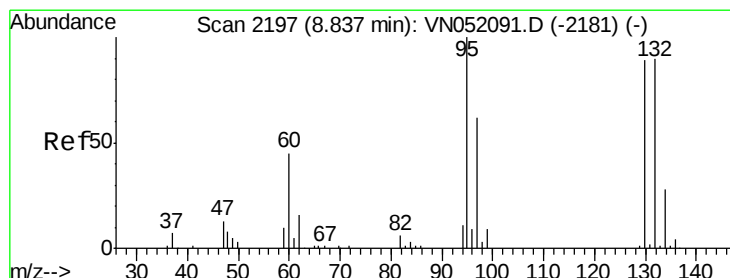
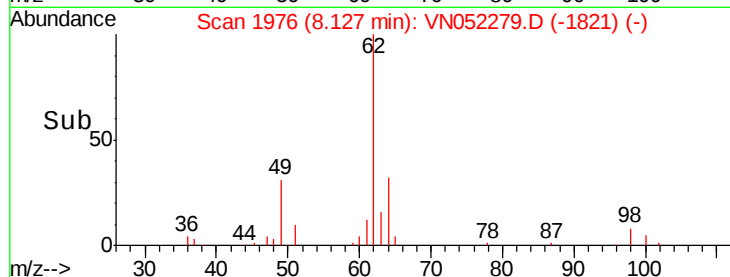
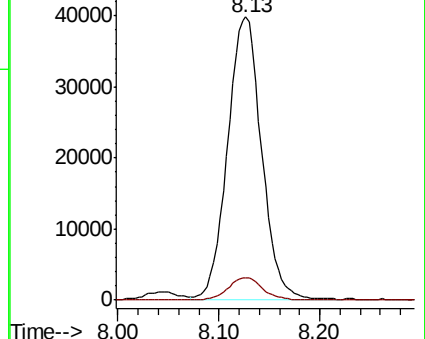
62 100

98 8.0 6.7 10.1



Abundance Ion 62.00 (61.70 to 62.70): VN052091.D (-1960) (-)

Ion 98.00 (97.70 to 98.70): VN052091.D (-1960) (-)



#37

Trichloroethene

Concen: 20.332 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VN052279.D

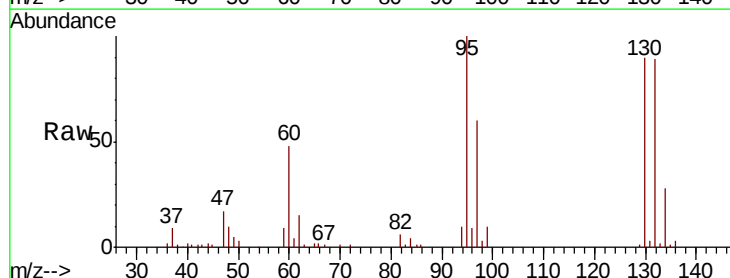
Acq: 13 Nov 2018 11:41

Tgt Ion:130 Resp: 65816

Ion Ratio Lower Upper

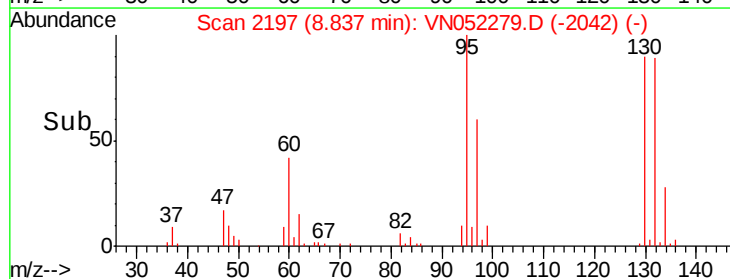
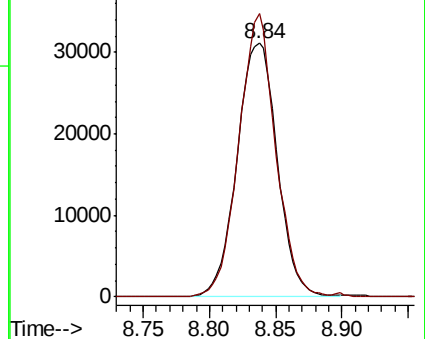
130 100

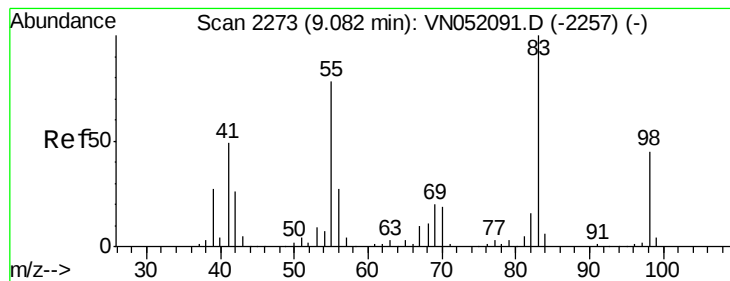
95 111.7 89.9 134.9



Abundance Ion 129.90 (129.60 to 130.60): VN052091.D (-2181) (-)

Ion 94.90 (94.60 to 95.60): VN052091.D (-2181) (-)





#38

Methylcyclohexane

Concen: 19.883 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VN052279.D

Acq: 13 Nov 2018 11:41

Instrument :
MSVOA_N
ClientSampled :

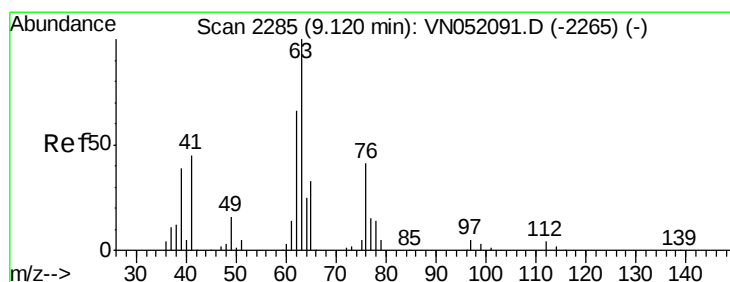
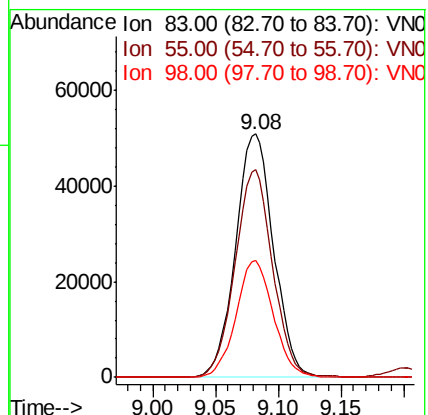
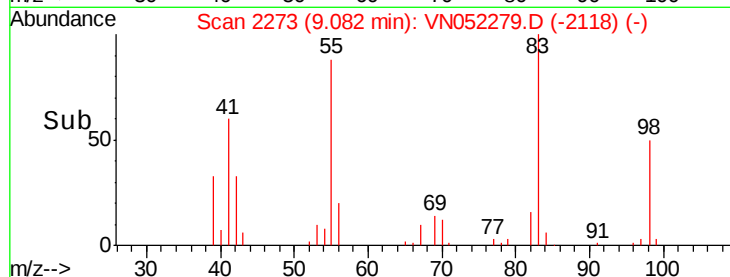
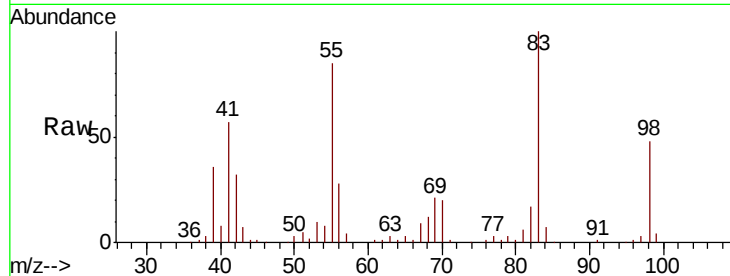
Tot Ion: 83 Resp: 107136

Ion Ratio Lower Upper

83 100

55 84.3 38.5 115.3

98 47.0 23.2 69.6



#39

1,2-Dichloropropane

Concen: 21.692 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN052279.D

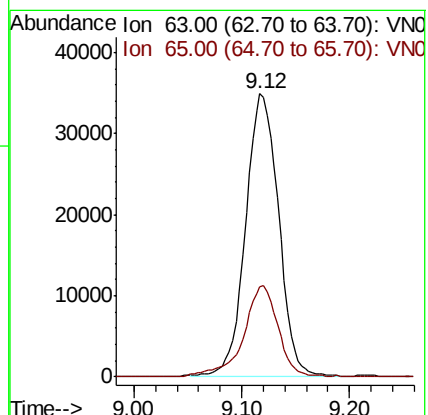
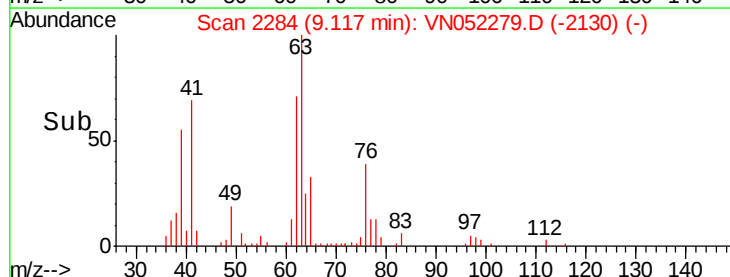
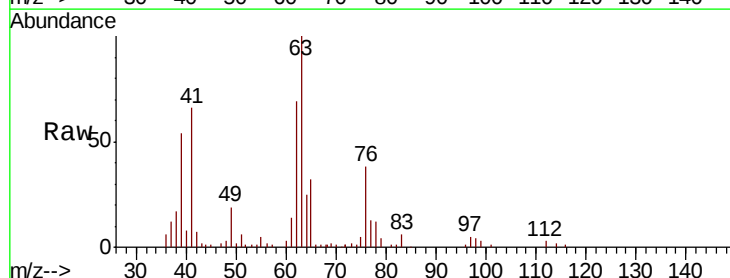
Acq: 13 Nov 2018 11:41

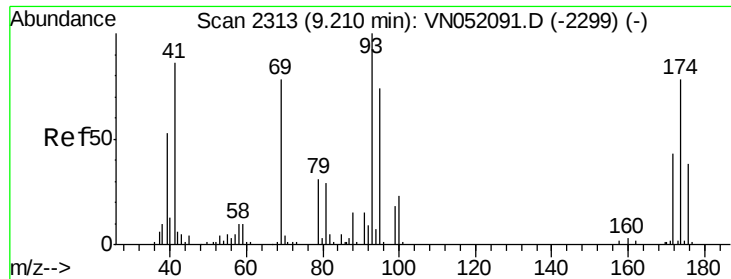
Tgt Ion: 63 Resp: 74682

Ion Ratio Lower Upper

63 100

65 31.7 27.3 40.9





#40

Dibromomethane

Concen: 19.683 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN052279.D

Acq: 13 Nov 2018 11:41

Instrument :
MSVOA_N
ClientSampled :

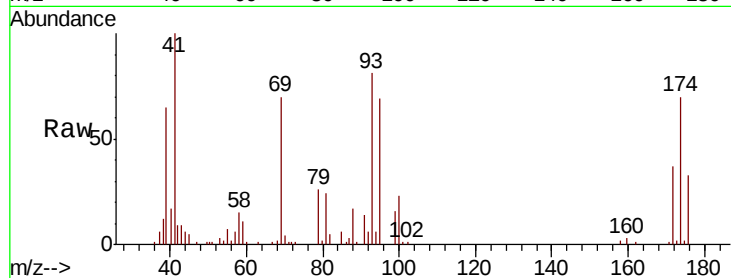
Tot Ion: 93 Resp: 41769

Ion Ratio Lower Upper

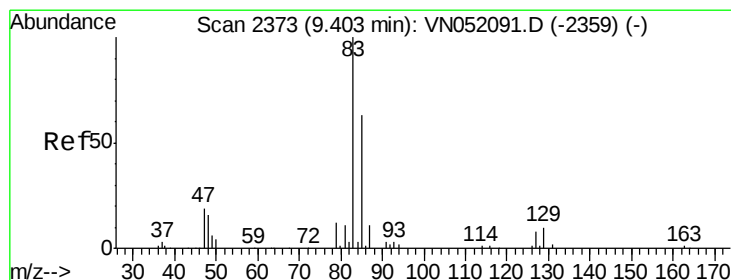
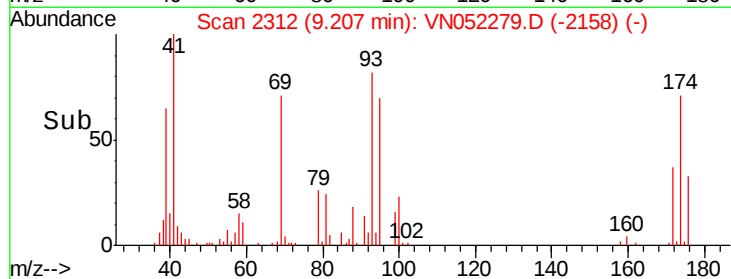
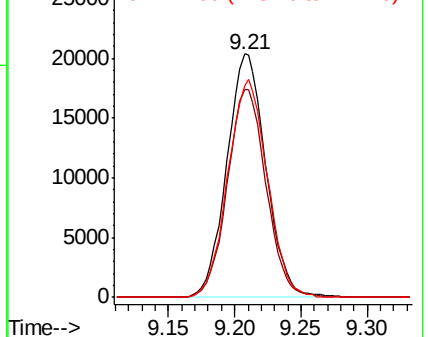
93 100

95 84.5 0.0 161.2

174 89.9 0.0 165.0



Abundance Ion 93.00 (92.70 to 93.70): VN0
Ion 95.00 (94.70 to 95.70): VN0
Ion 174.00 (173.70 to 174.70): V



#41

Bromodichloromethane

Concen: 20.291 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN052279.D

Acq: 13 Nov 2018 11:41

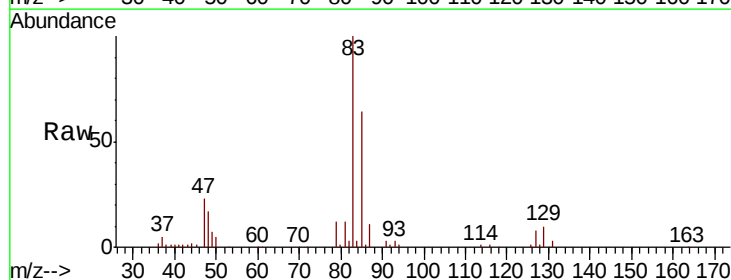
Tgt Ion: 83 Resp: 88102

Ion Ratio Lower Upper

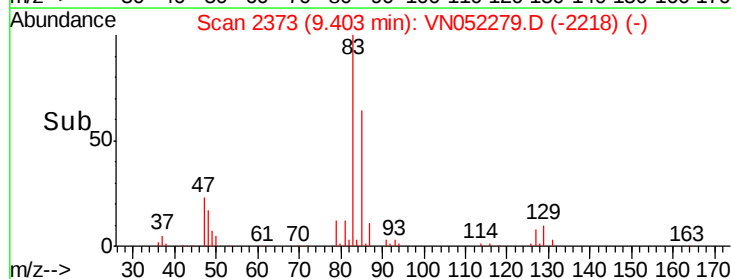
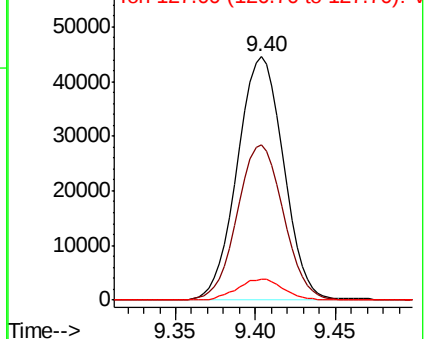
83 100

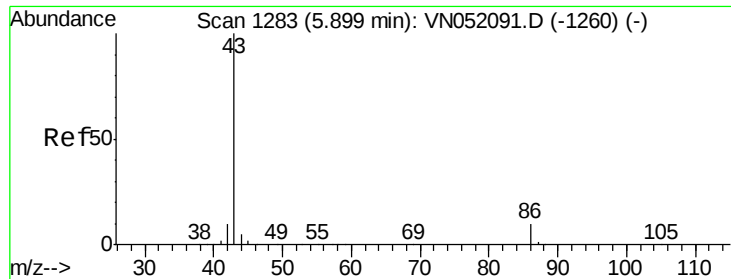
85 63.7 50.2 75.2

127 8.4 6.6 10.0



Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 85.00 (84.70 to 85.70): VN0
Ion 127.00 (126.70 to 127.70): V





#42

Vinyl Acetate

Concen: 117.253 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN052279.D

Acq: 13 Nov 2018 11:41

Instrument :

MSVOA_N

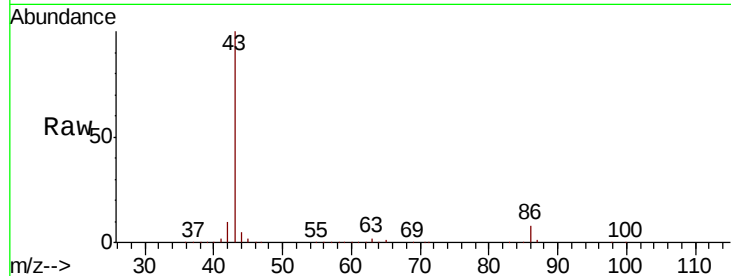
ClientSampled :

Tot Ion: 43 Resp: 807446

Ion Ratio Lower Upper

43 100

86 7.0 6.6 10.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

250000

200000

150000

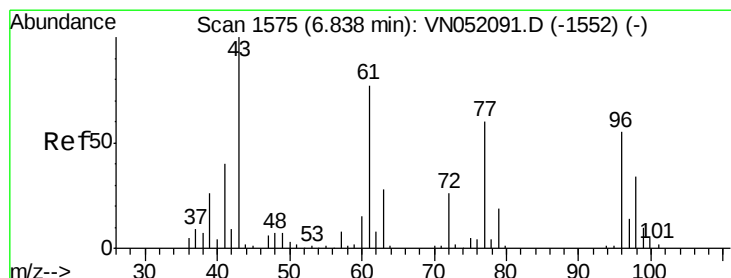
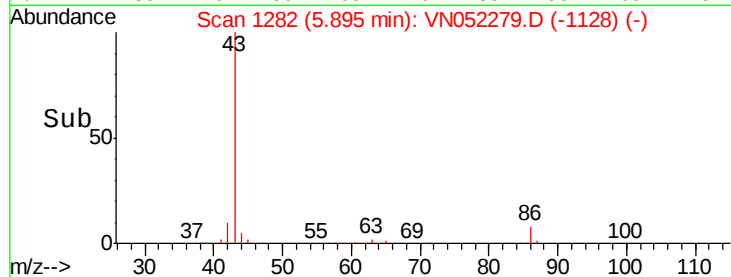
100000

50000

0

5.80 5.90 6.00 6.10

Time-->



#43

Ethyl Acetate

Concen: 29.131 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VN052279.D

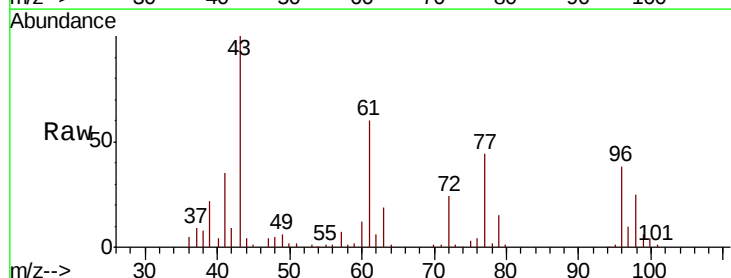
Acq: 13 Nov 2018 11:41

Tgt Ion: 43 Resp: 172210

Ion Ratio Lower Upper

43 100

45 0.4 3.8 5.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0

60000

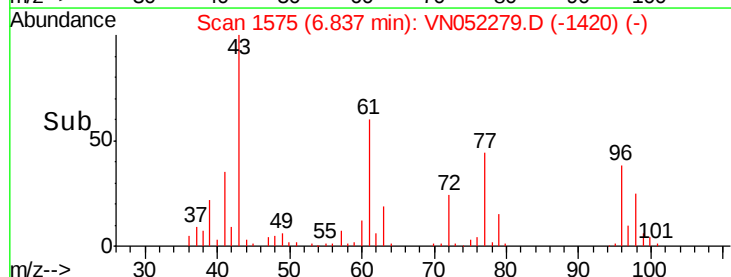
40000

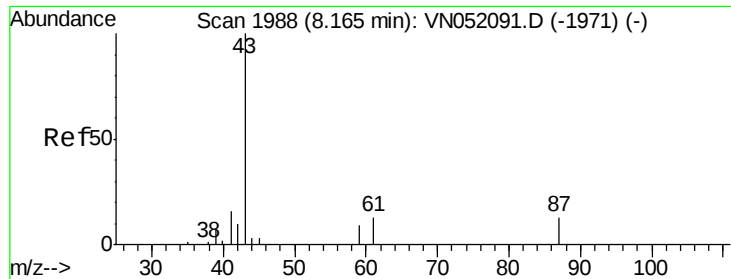
20000

0

6.75 6.80 6.85 6.90

Time-->



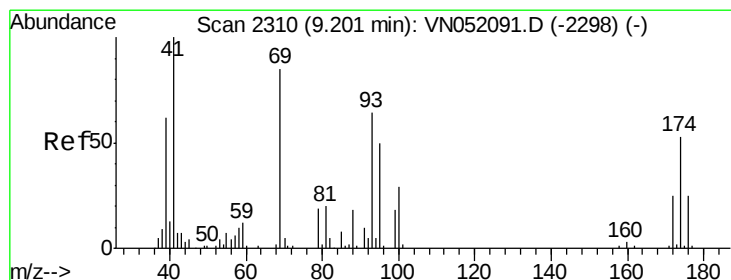
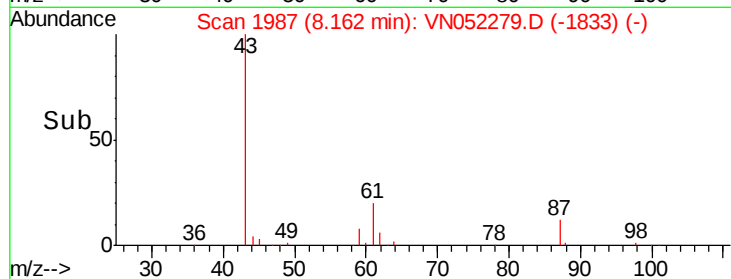
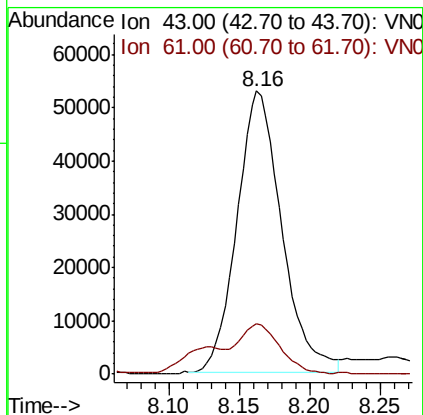
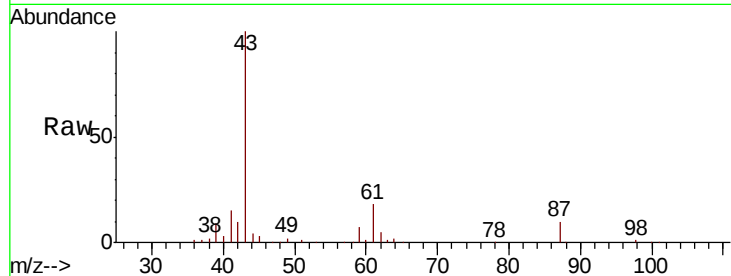


#44

Isopropyl Acetate
 Concen: 24.015 ug/l
 RT: 8.16 min Scan# 1987
 Delta R.T. -0.00 min
 Lab File: VN052279.D
 Acq: 13 Nov 2018 11:41

Instrument :
 MSVOA_N
 ClientSampleId :

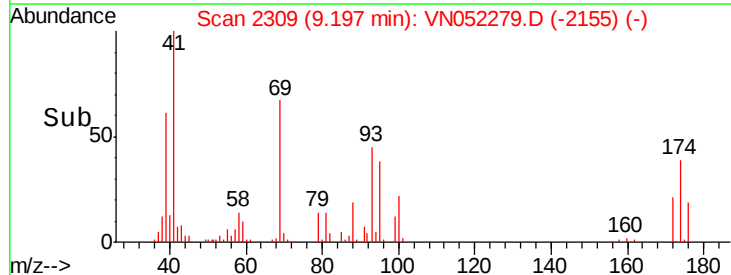
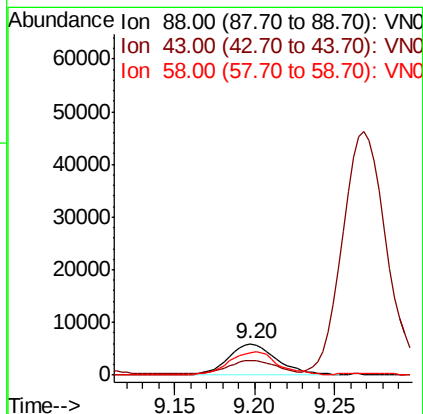
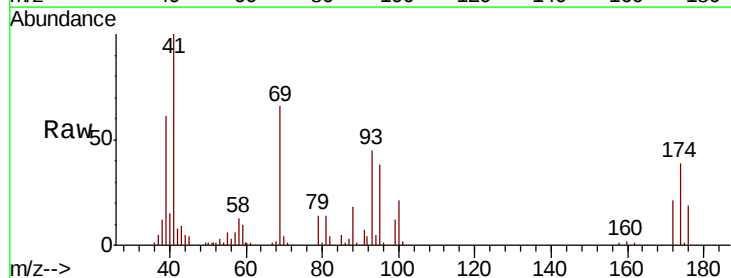
Tot Ion: 43 Resp: 117540
 Ion Ratio Lower Upper
 43 100
 61 15.8 16.2 24.2#

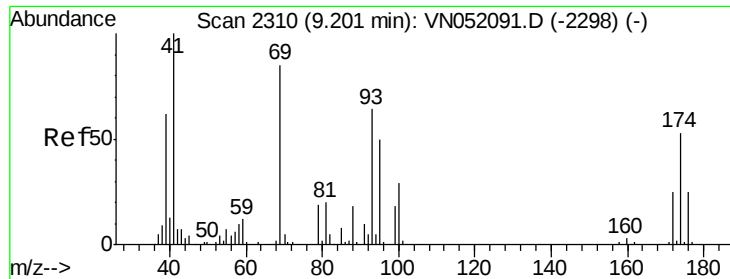


#45

1,4-Dioxane
 Concen: 554.640 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN052279.D
 Acq: 13 Nov 2018 11:41

Tgt Ion: 88 Resp: 12384
 Ion Ratio Lower Upper
 88 100
 43 42.6 28.6 43.0
 58 74.3 37.8 56.8#

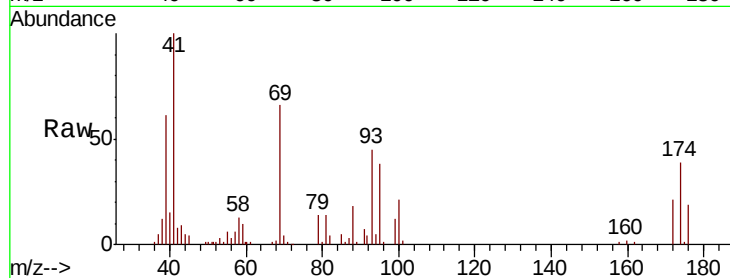




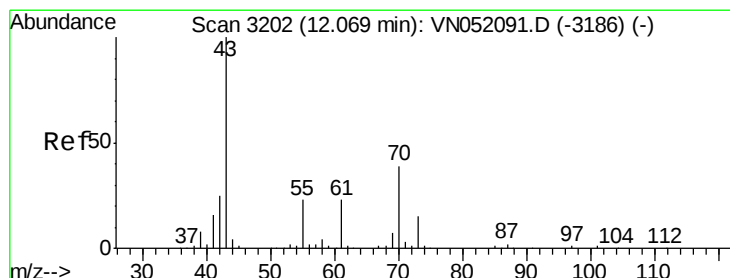
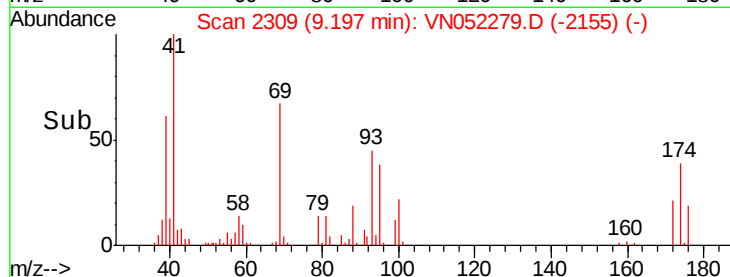
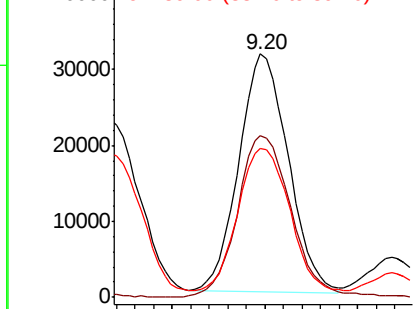
#46
Methyl methacrylate
Concen: 23.770 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN052279.D
Acq: 13 Nov 2018 11:41

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 57911
Ion Ratio Lower Upper
41 100
69 67.4 42.5 127.6
39 59.8 31.1 93.3

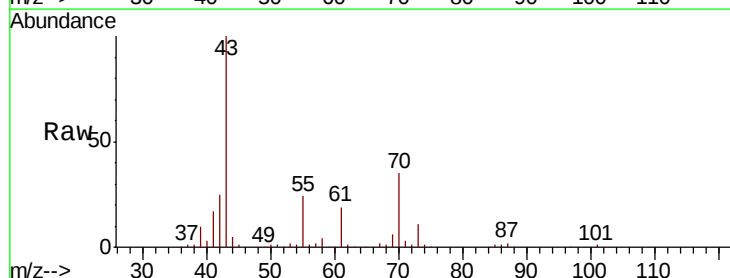


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

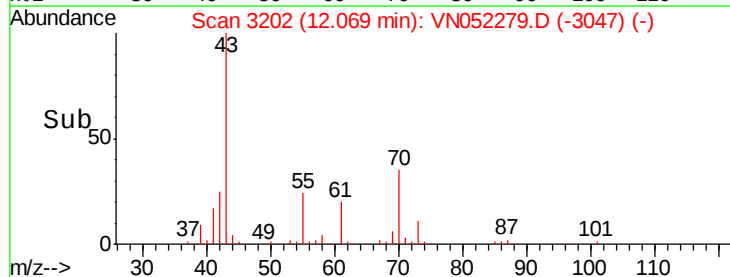
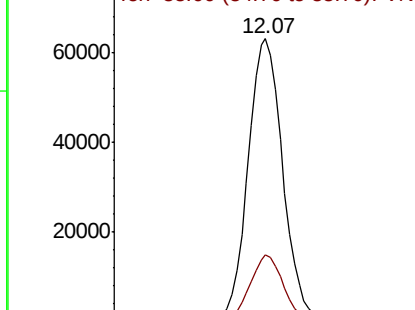


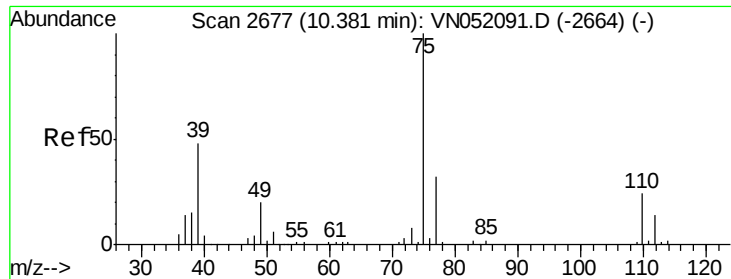
#47
n-ethyl Acetate
Concen: 23.142 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN052279.D
Acq: 13 Nov 2018 11:41

Tgt Ion: 43 Resp: 102671
Ion Ratio Lower Upper
43 100
55 23.0 0.0 0.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 55.00 (54.70 to 55.70): VN0





#48

t-1,3-Dichloropropene

Concen: 19.747 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN052279.D

Acq: 13 Nov 2018 11:41

Instrument :

MSVOA_N

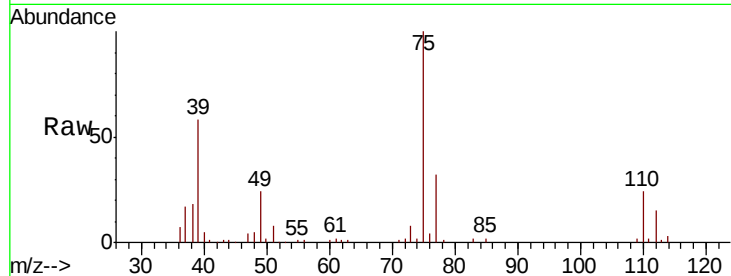
ClientSampled :

Tot Ion: 75 Resp: 85138

Ion Ratio Lower Upper

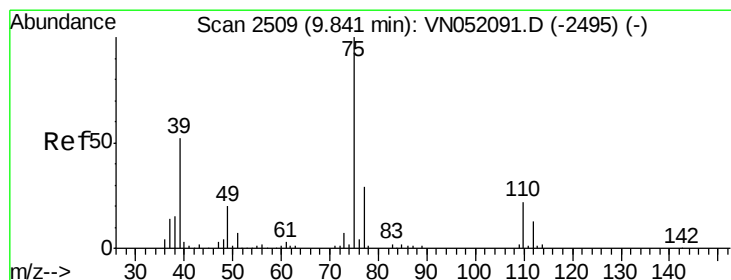
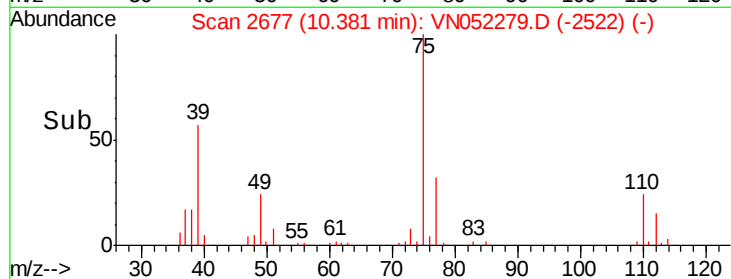
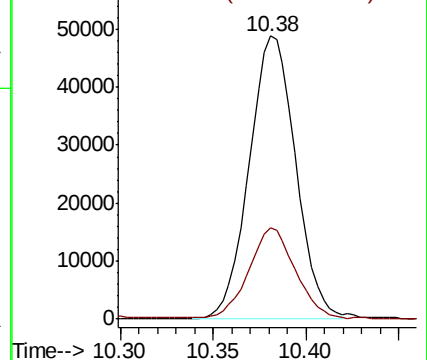
75 100

77 31.8 26.3 39.5



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#49

cis-1,3-Dichloropropene

Concen: 20.517 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN052279.D

Acq: 13 Nov 2018 11:41

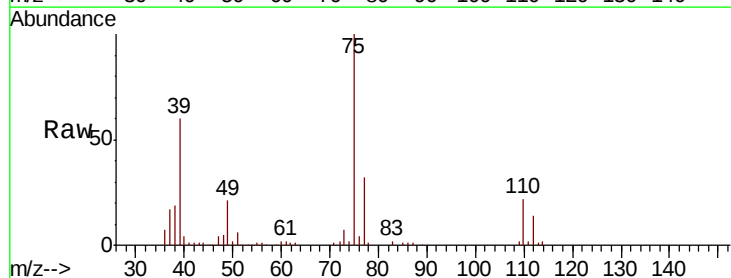
Tgt Ion: 75 Resp: 102100

Ion Ratio Lower Upper

75 100

77 32.2 23.3 34.9

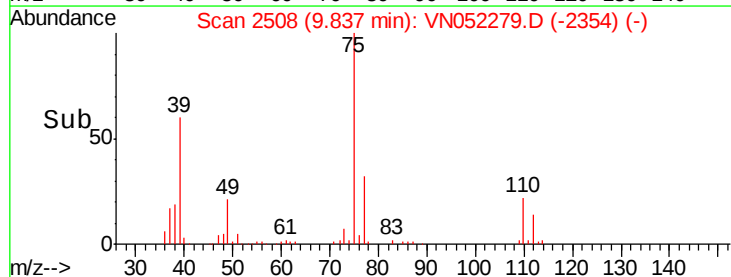
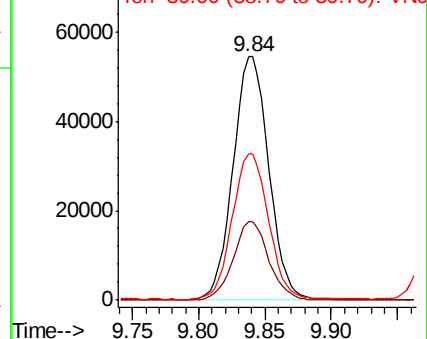
39 59.7 41.6 62.4

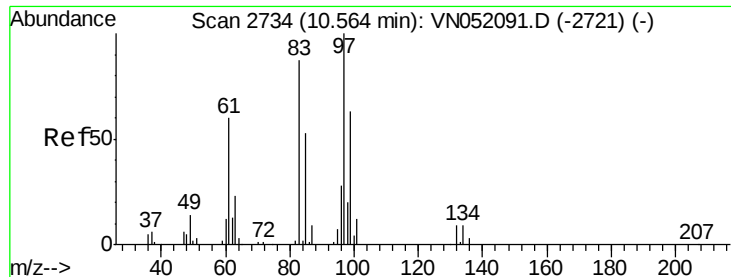


Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

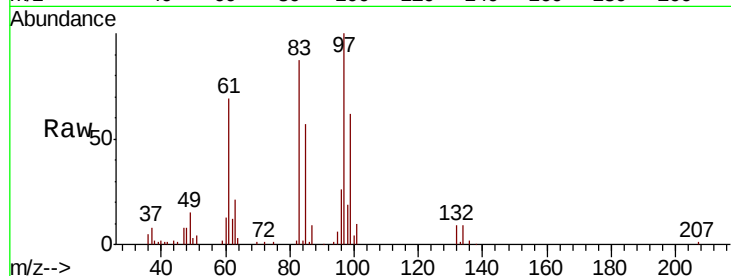




#50
1,1,2-Trichloroethane
Concen: 20.714 ug/l
RT: 10.56 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VN052279.D
Acq: 13 Nov 2018 11:41

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	97	Resp	58127
Ion Ratio	Lower	Upper	
97	100		
83	86.2	69.4	104.0
85	57.0	42.7	64.1
99	61.4	50.6	75.8



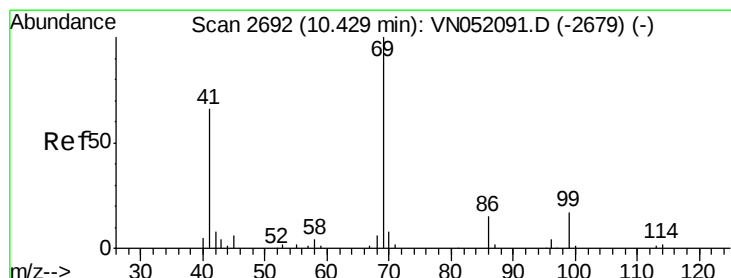
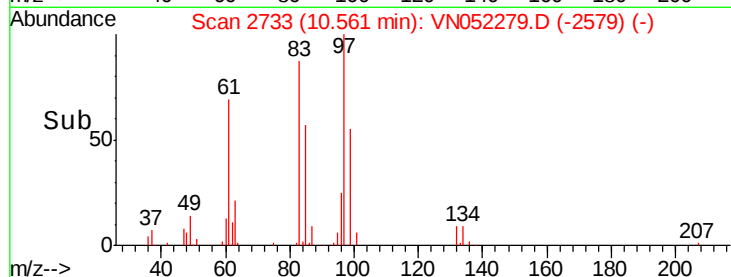
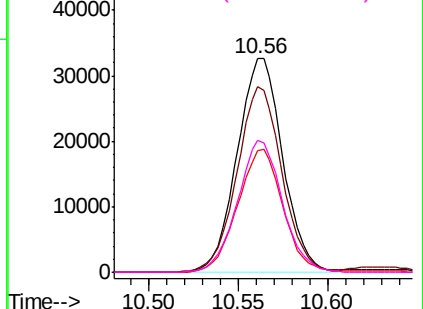
Abundance

Ion 97.00 (96.70 to 97.70): VN0

Ion 82.95 (82.65 to 83.65): VN0

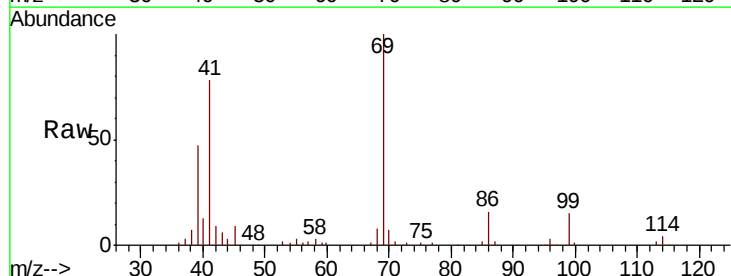
Ion 84.95 (84.65 to 85.65): VN0

Ion 98.95 (98.65 to 99.65): VN0



#51
Ethyl methacrylate
Concen: 21.058 ug/l
RT: 10.43 min Scan# 2692
Delta R.T. -0.00 min
Lab File: VN052279.D
Acq: 13 Nov 2018 11:41

Tgt Ion	69	Resp	76369
Ion Ratio	Lower	Upper	
69	100		
41	77.1	33.0	99.0
39	45.7	20.7	62.1

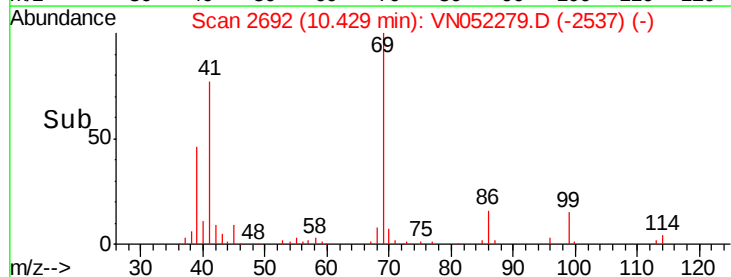
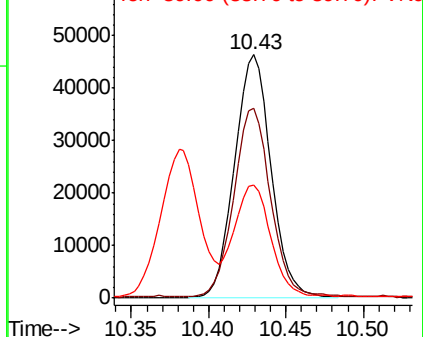


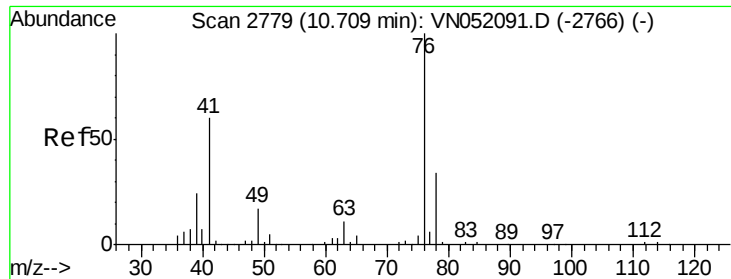
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#52

1,3-Dichloropropane

Concen: 20.558 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN052279.D

Acq: 13 Nov 2018 11:41

Instrument :

MSVOA_N

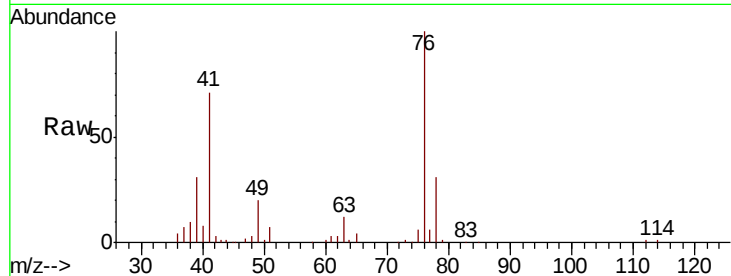
ClientSampleId :

Tot Ion: 76 Resp: 100486

Ion Ratio Lower Upper

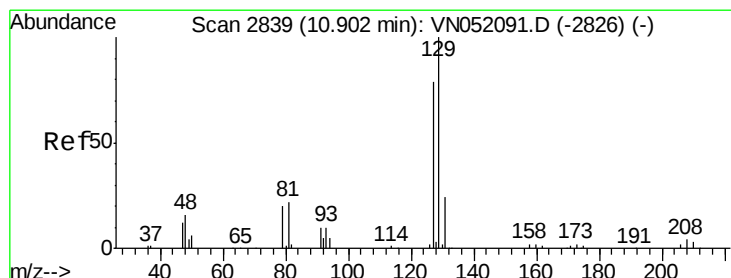
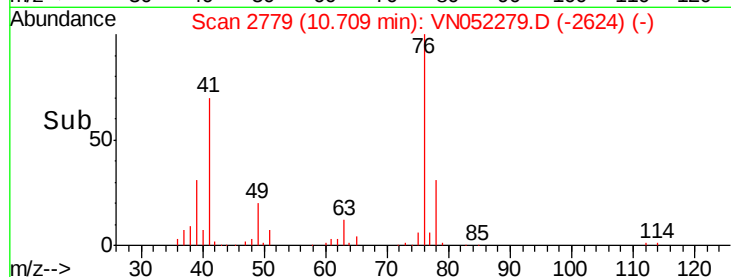
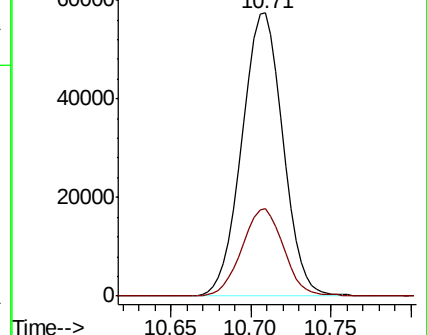
76 100

78 31.2 0.0 65.0



Abundance Ion 76.00 (75.70 to 76.70): VN052091.D (-2766) (-)

Ion 78.00 (77.70 to 78.70): VN052091.D (-2766) (-)



#53

Dibromochloromethane

Concen: 19.466 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN052279.D

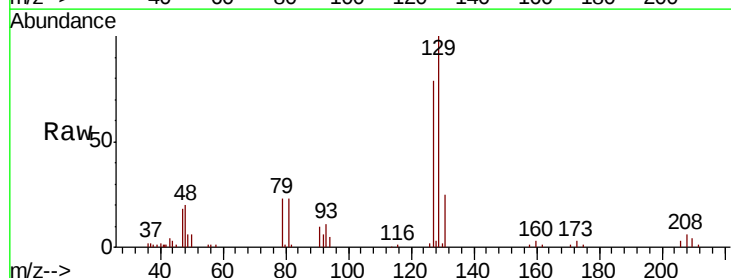
Acq: 13 Nov 2018 11:41

Tgt Ion: 129 Resp: 58971

Ion Ratio Lower Upper

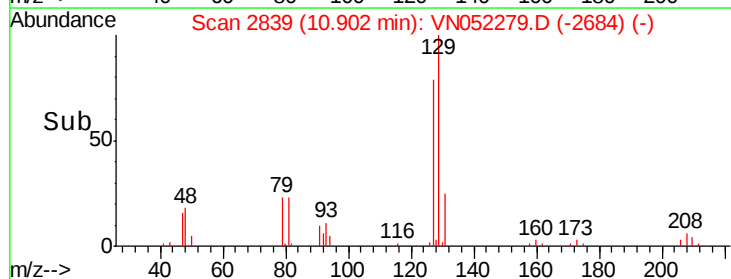
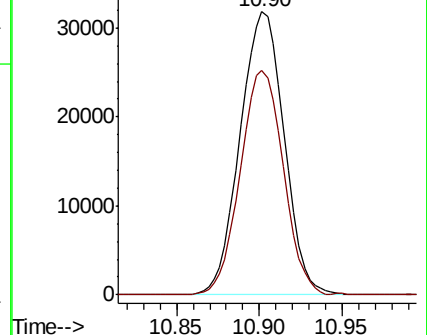
129 100

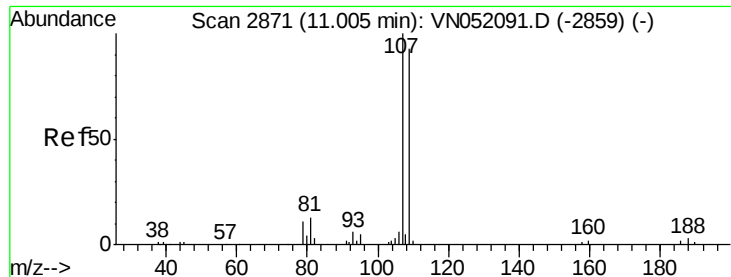
127 77.6 39.2 117.6



Abundance Ion 129.00 (128.70 to 129.70): VN052091.D (-2826) (-)

Ion 127.00 (126.70 to 127.70): VN052091.D (-2826) (-)

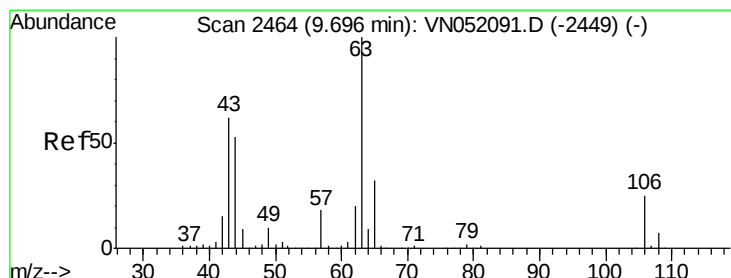
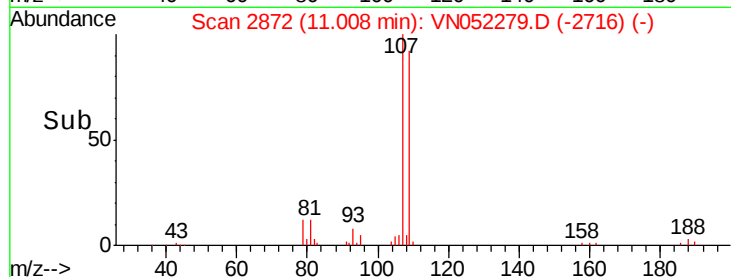
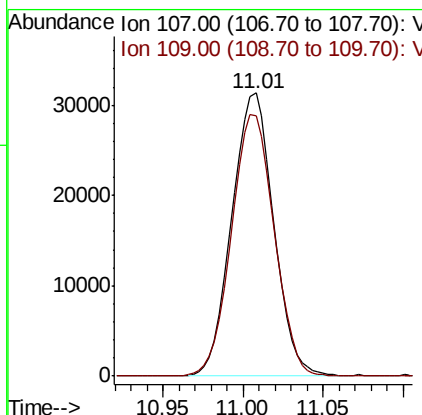
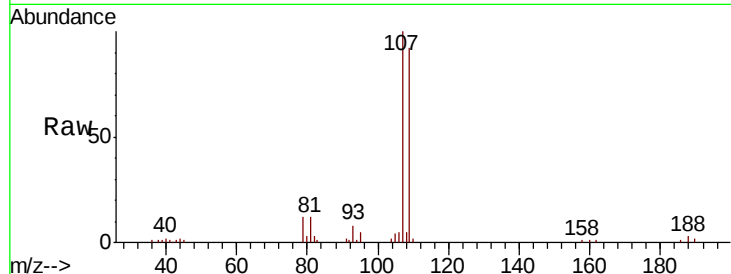




#54
 1,2-Dibromoethane
 Concen: 19.623 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN052279.D
 Acq: 13 Nov 2018 11:41

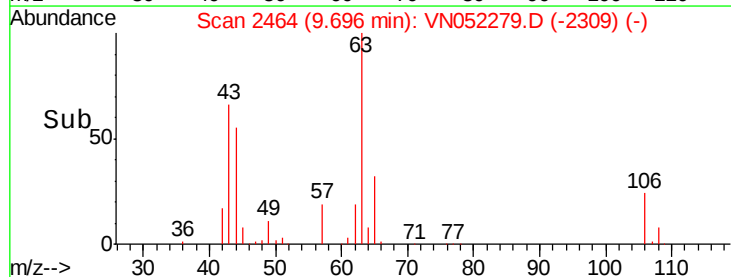
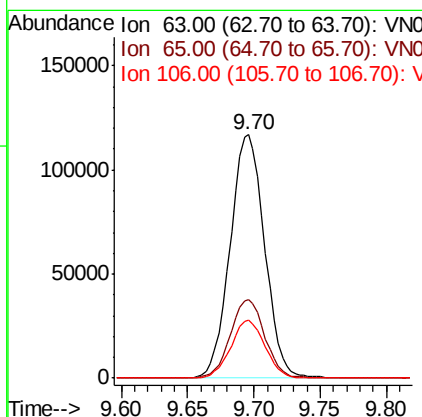
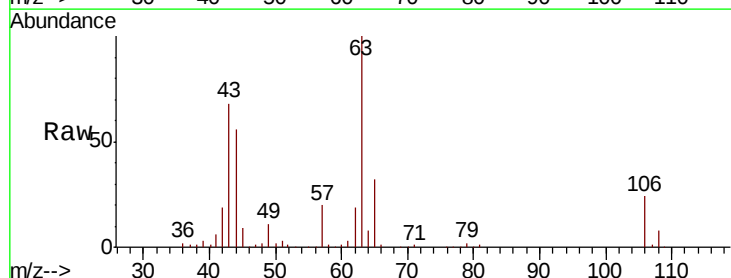
Instrument :
 MSVOA_N
 ClientSampleId :

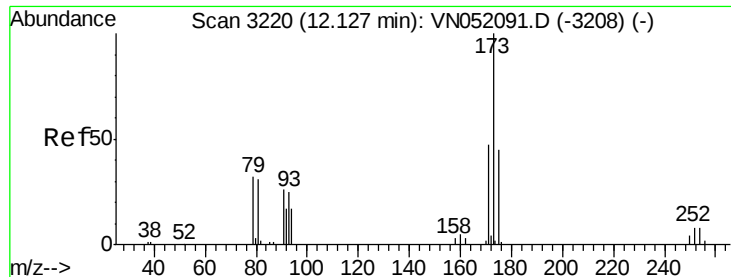
Tot Ion:107 Resp: 55839
 Ion Ratio Lower Upper
 107 100
 109 94.4 77.0 115.6



#55
 2-Chloroethyl vinyl ether
 Concen: 106.209 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN052279.D
 Acq: 13 Nov 2018 11:41

Tgt Ion: 63 Resp: 210926
 Ion Ratio Lower Upper
 63 100
 65 32.2 25.5 38.3
 106 23.7 20.4 30.6

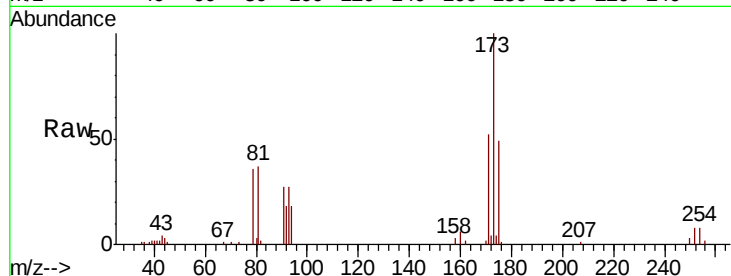




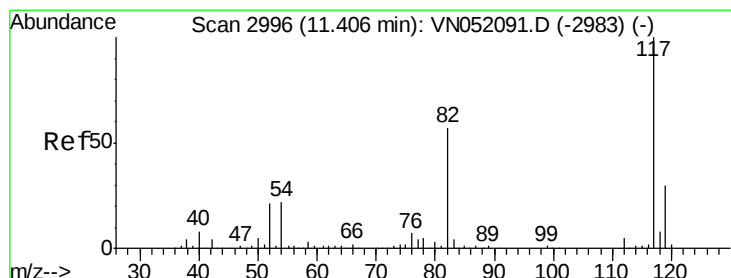
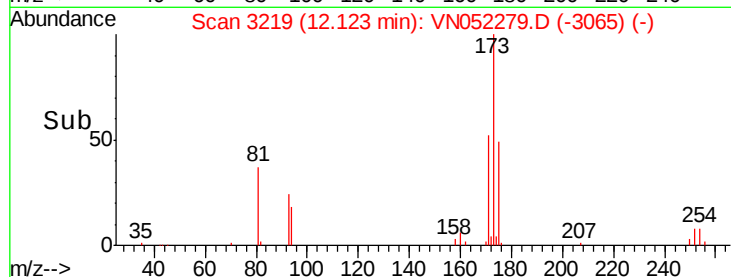
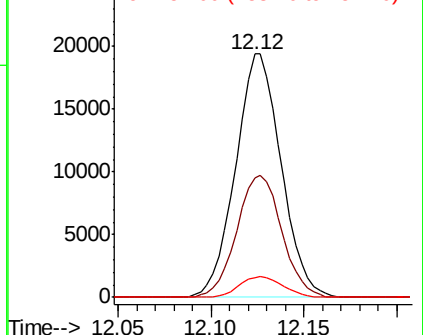
#56
Bromoform
Concen: 18.988 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN052279.D
Acq: 13 Nov 2018 11:41

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:173 Resp: 33223
Ion Ratio Lower Upper
173 100
175 49.4 37.3 55.9
254 8.1 7.0 10.6

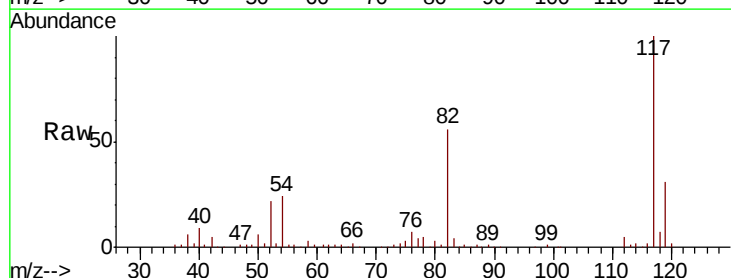


Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V

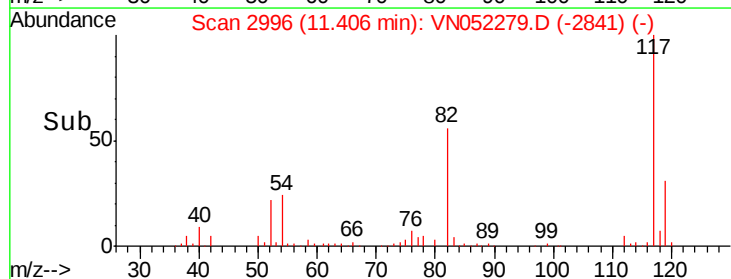
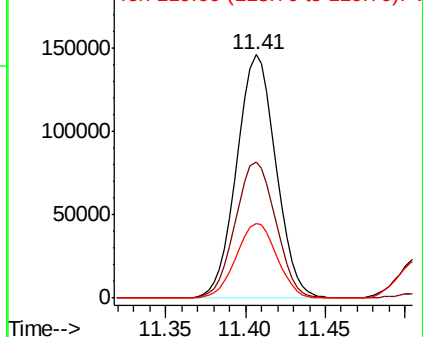


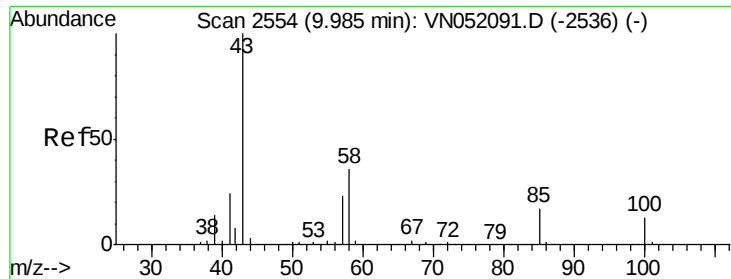
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052279.D
Acq: 13 Nov 2018 11:41

Tgt Ion:117 Resp: 243959
Ion Ratio Lower Upper
117 100
82 57.9 45.0 67.6
119 31.8 24.2 36.4



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

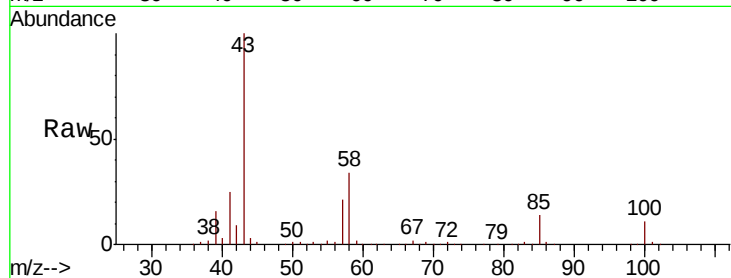




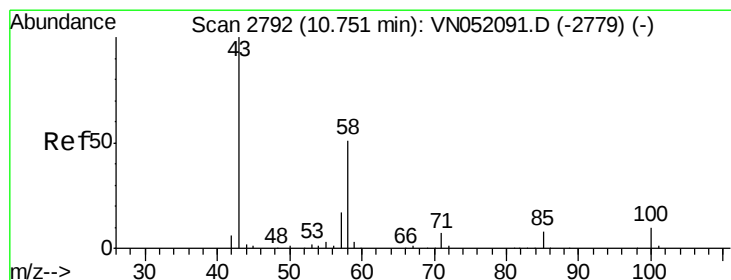
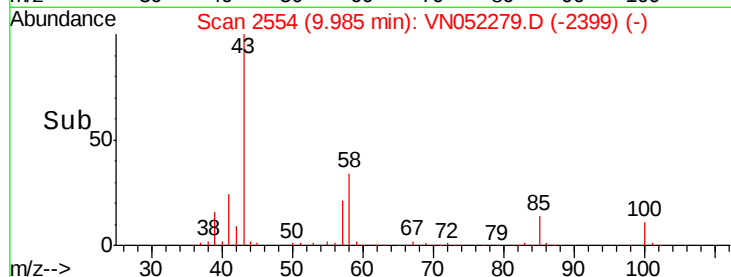
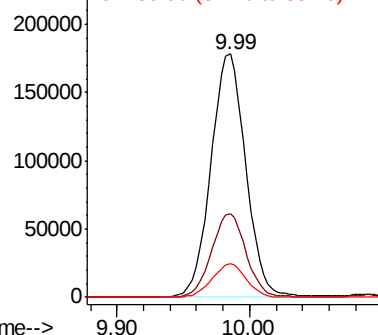
#58
4-Methyl-2-Pentanone
Concen: 123.742 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN052279.D
Acq: 13 Nov 2018 11:41

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
43	100		
58	34.3	29.0	43.6
85	13.7	13.4	20.2

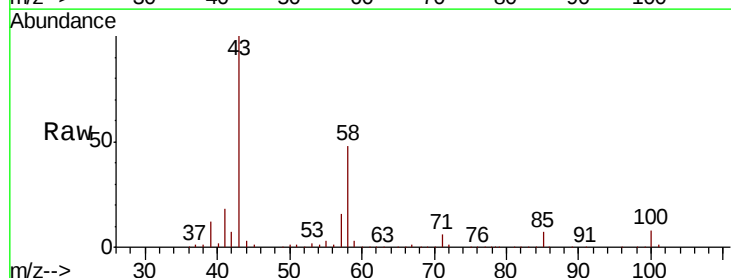


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0
Ion 85.00 (84.70 to 85.70): VN0

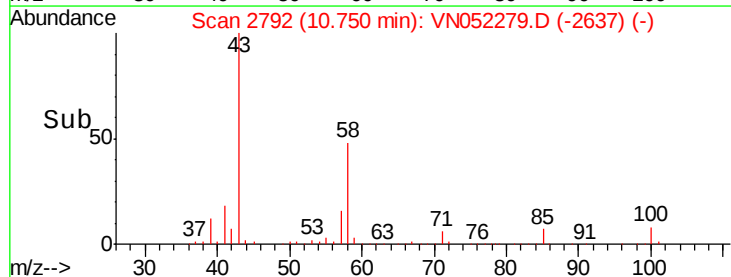
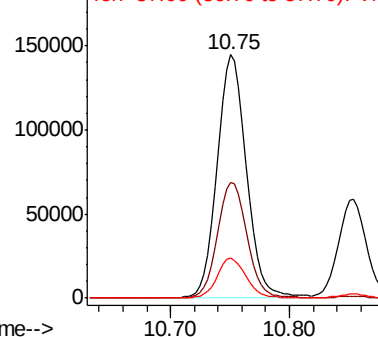


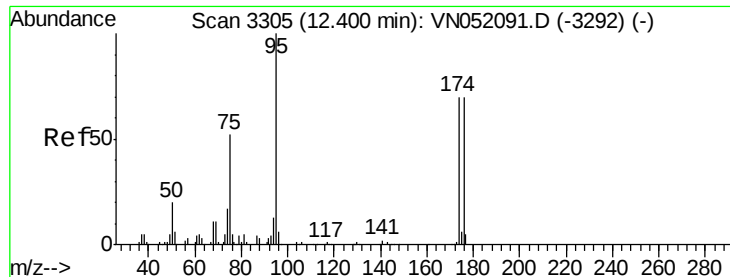
#59
2-Hexanone
Concen: 137.050 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052279.D
Acq: 13 Nov 2018 11:41

Tgt Ion	Ratio	Lower	Upper
43	100		
58	48.1	40.8	61.2
57	16.3	13.8	20.8



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0
Ion 57.00 (56.70 to 57.70): VN0





#60

4-Bromofluorobenzene

Concen: 137.050 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN052279.D

Acq: 13 Nov 2018 11:41

Instrument :

MSVOA_N

ClientSampleId :

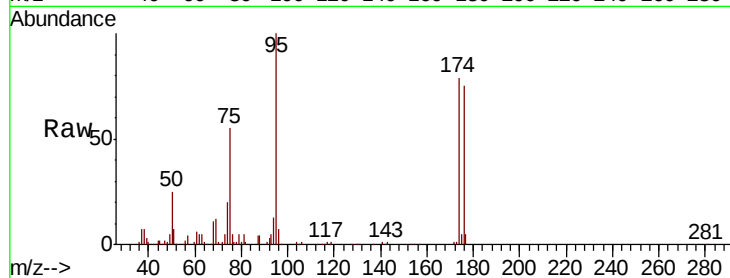
Tot Ion: 95 Resp: 114227

Ion Ratio Lower Upper

95 100

174 78.2 55.0 82.6

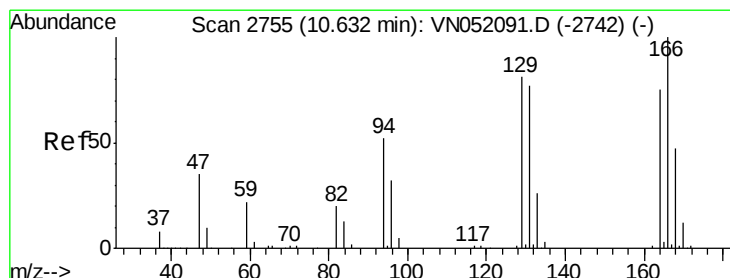
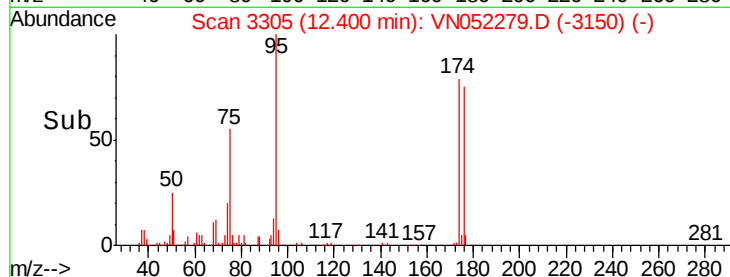
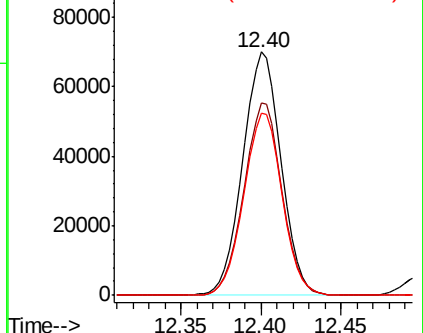
176 74.9 54.2 81.4



Abundance Ion 95.00 (94.70 to 95.70): VN052279.D (-3292) (-)

Ion 174.00 (173.70 to 174.70): VN052279.D (-3292) (-)

Ion 176.00 (175.70 to 176.70): VN052279.D (-3292) (-)



#61

Tetrachloroethene

Concen: 21.660 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN052279.D

Acq: 13 Nov 2018 11:41

Tgt Ion:164 Resp: 57468

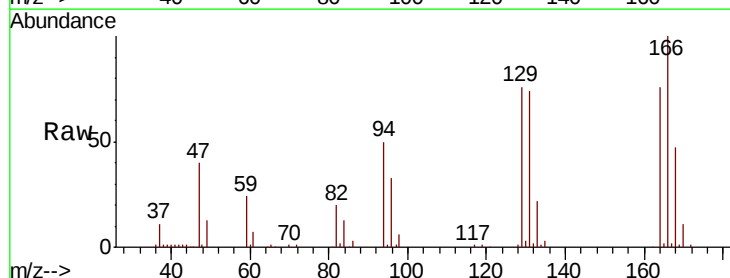
Ion Ratio Lower Upper

164 100

166 131.3 106.4 159.6

129 99.4 87.0 130.4

131 96.9 81.4 122.2

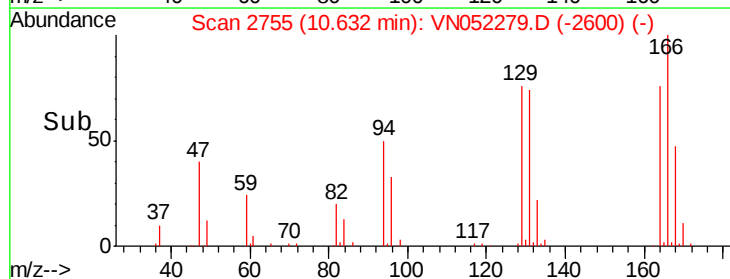
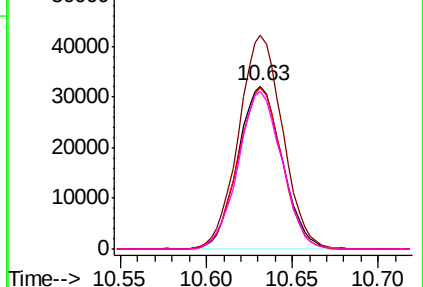


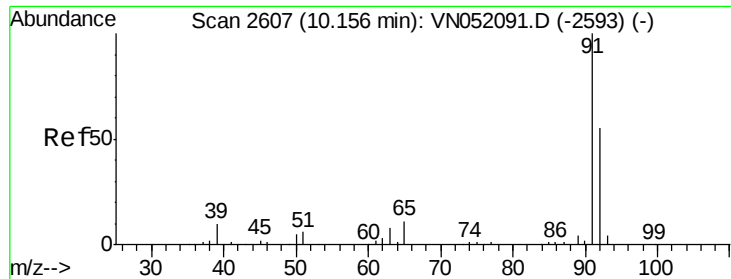
Abundance Ion 163.85 (163.55 to 164.55): VN052279.D (-2600) (-)

Ion 165.80 (165.50 to 166.50): VN052279.D (-2600) (-)

Ion 128.90 (128.60 to 129.60): VN052279.D (-2600) (-)

Ion 130.90 (130.60 to 131.60): VN052279.D (-2600) (-)





#62

Toluene

Concen: 20.591 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN052279.D

Acq: 13 Nov 2018 11:41

Instrument :

MSVOA_N

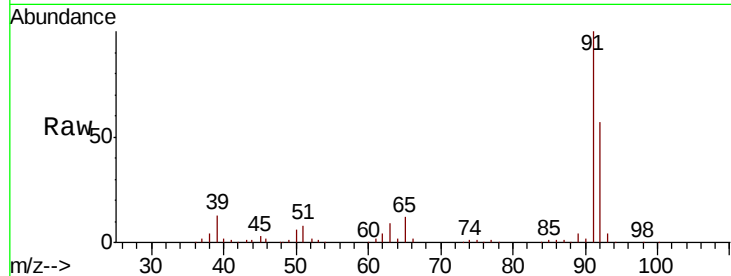
ClientSampled :

Tot Ion: 91 Resp: 281997

Ion Ratio Lower Upper

91 100

92 58.0 44.6 67.0



Abundance Ion 91.00 (90.70 to 91.70): VN052091.D (-2593) (-)

Ion 92.00 (91.70 to 92.70): VN052091.D (-2593) (-)

10.16

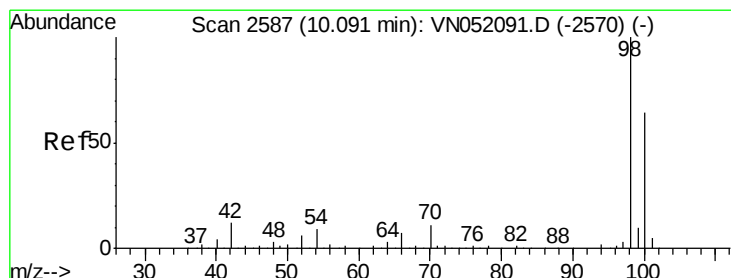
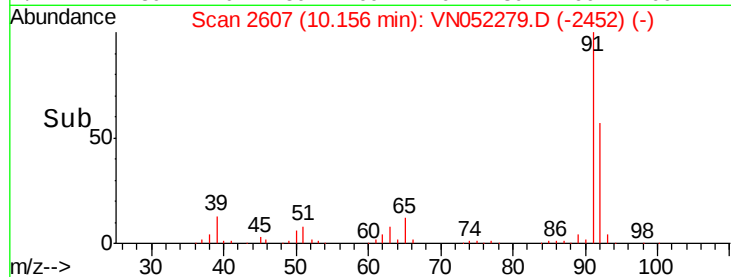
150000

100000

50000

0

Time-->



#63

Toluene-d8

Concen: 20.591 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052279.D

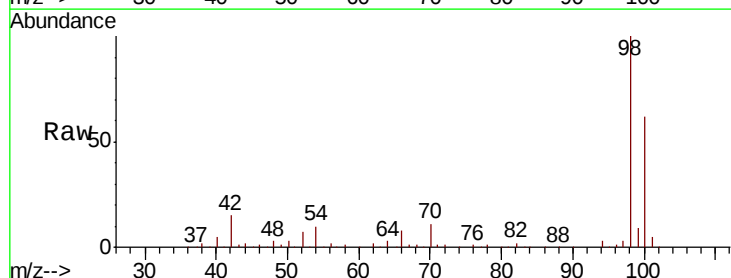
Acq: 13 Nov 2018 11:41

Tgt Ion: 98 Resp: 350539

Ion Ratio Lower Upper

98 100

100 62.3 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN052091.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN052091.D (-2570) (-)

10.09

200000

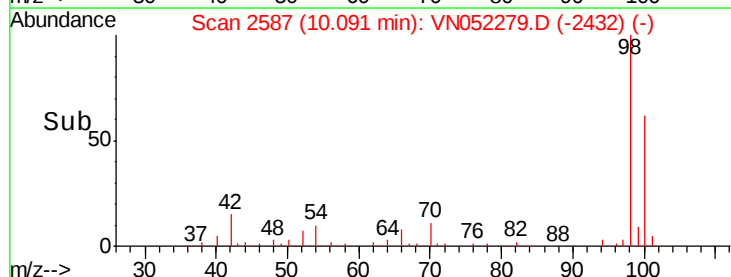
150000

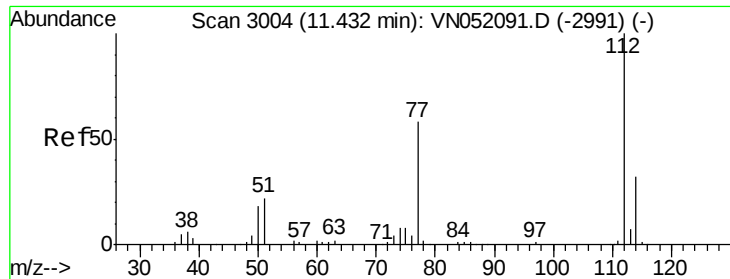
100000

50000

0

Time-->

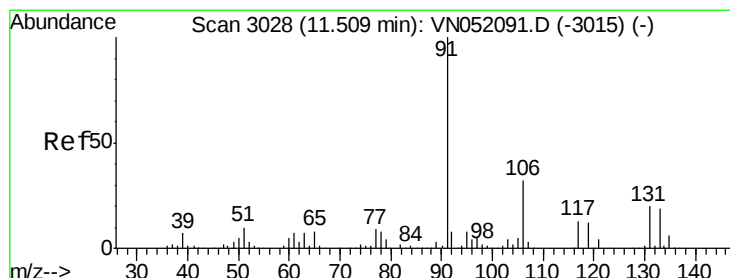
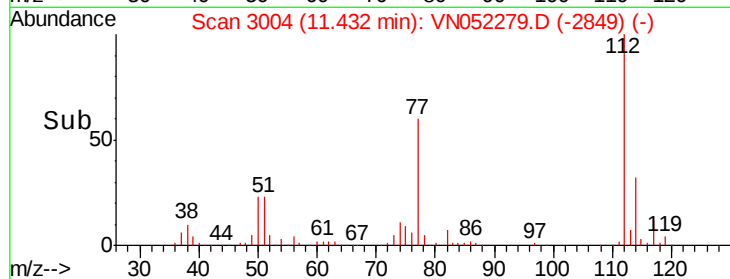
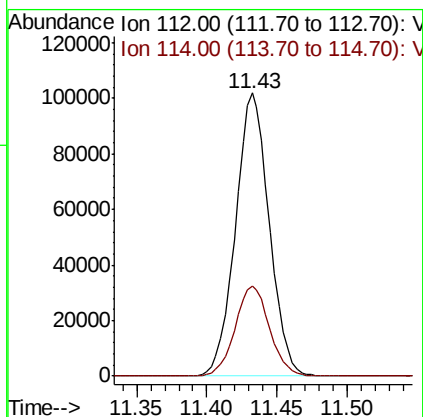
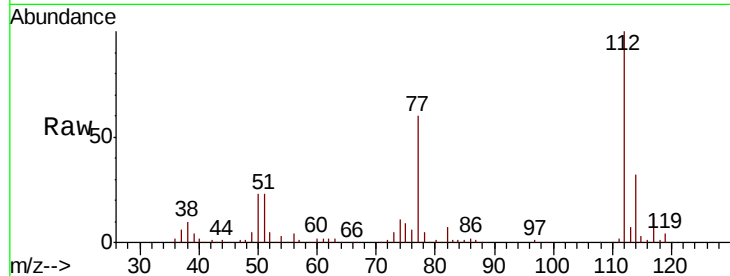




#64
Chlorobenzene
Concen: 19.665 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN052279.D
Acq: 13 Nov 2018 11:41

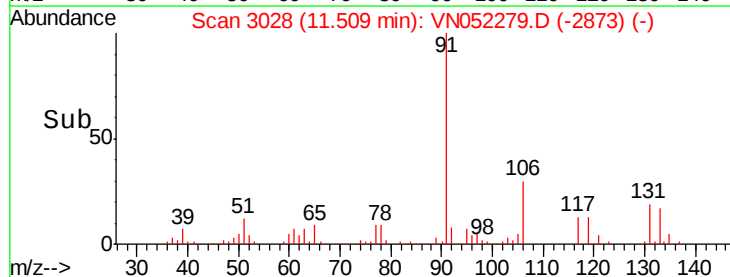
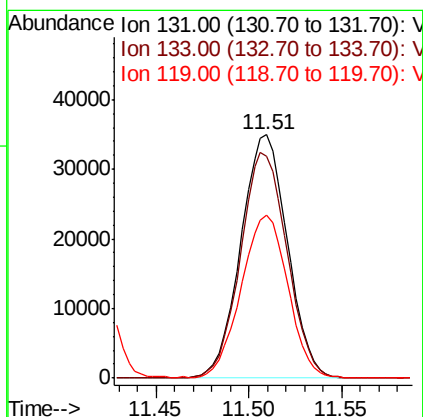
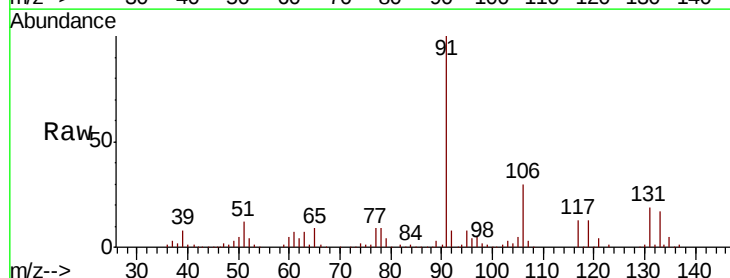
Instrument :
MSVOA_N
ClientSampled :

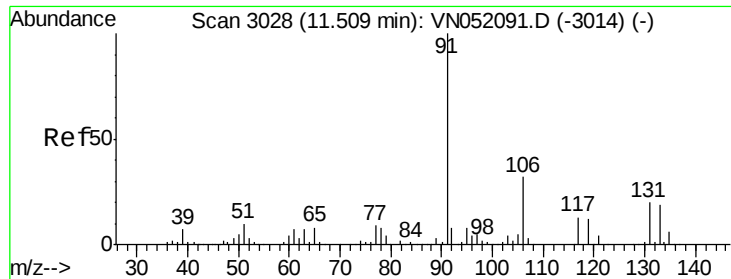
Tot Ion:112 Resp: 170680
Ion Ratio Lower Upper
112 100
114 31.7 25.5 38.3



#65
1,1,1,2-Tetrachloroethane
Concen: 20.606 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052279.D
Acq: 13 Nov 2018 11:41

Tgt Ion:131 Resp: 60873
Ion Ratio Lower Upper
131 100
133 92.8 0.0 188.8
119 67.3 0.0 131.4

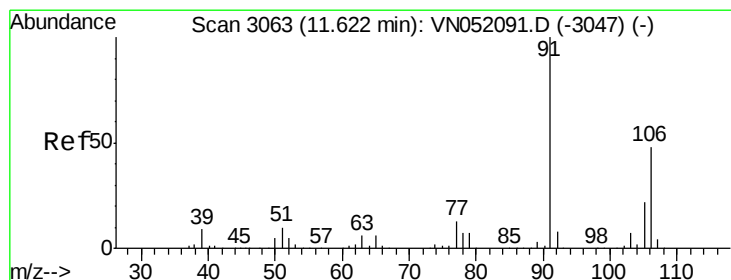
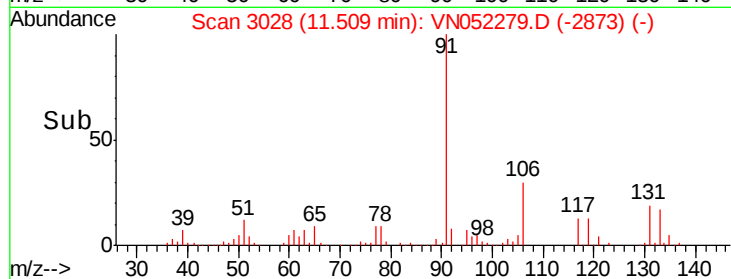
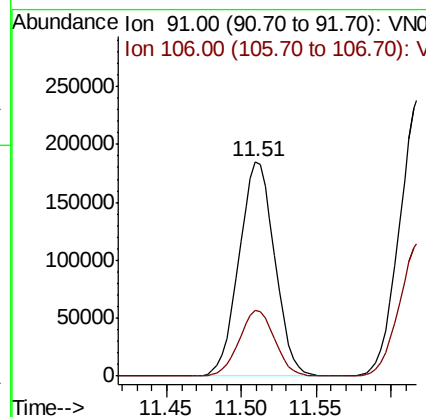
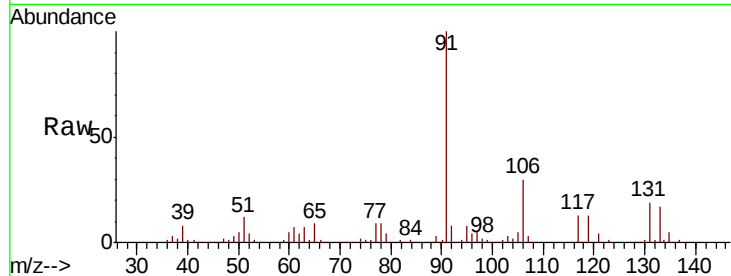




#66
Ethyl Benzene
Concen: 20.761 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052279.D
Acq: 13 Nov 2018 11:41

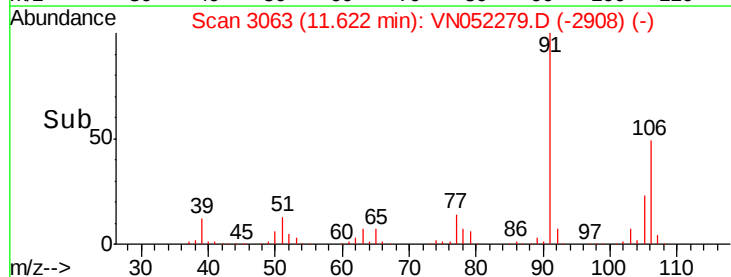
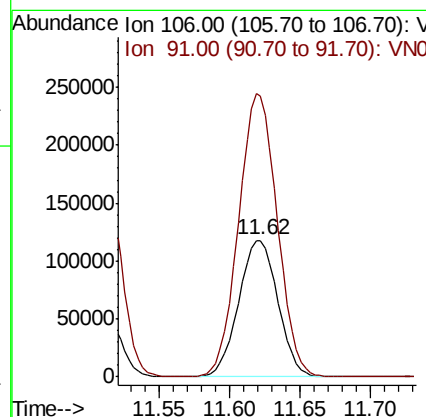
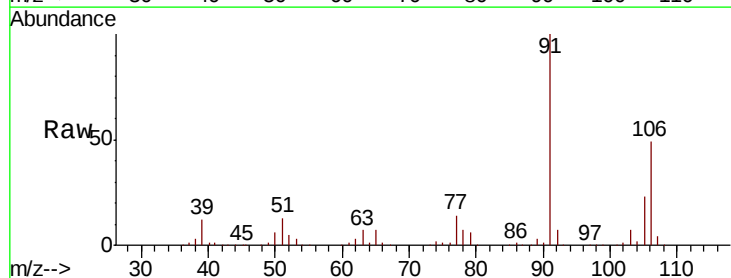
Instrument :
MSVOA_N
ClientSampled :

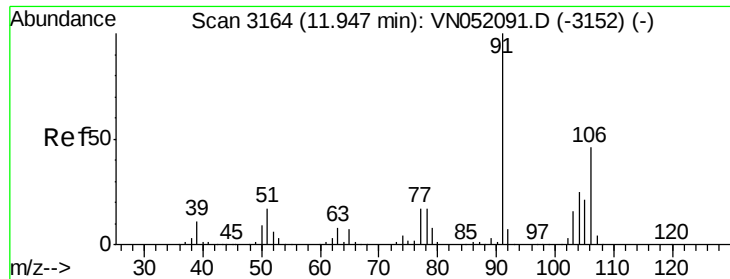
Tot Ion: 91 Resp: 307119
Ion Ratio Lower Upper
91 100
106 30.5 25.7 38.5



#67
m/p-Xylenes
Concen: 40.312 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN052279.D
Acq: 13 Nov 2018 11:41

Tgt Ion: 106 Resp: 229583
Ion Ratio Lower Upper
106 100
91 204.1 163.6 245.4

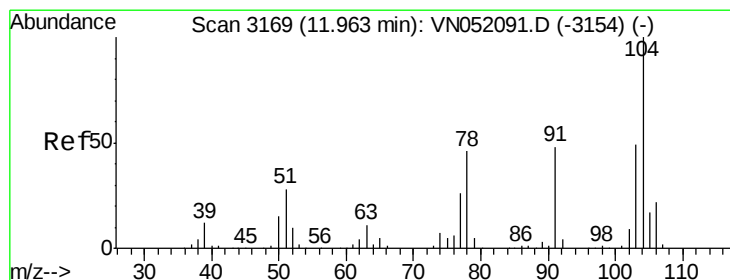
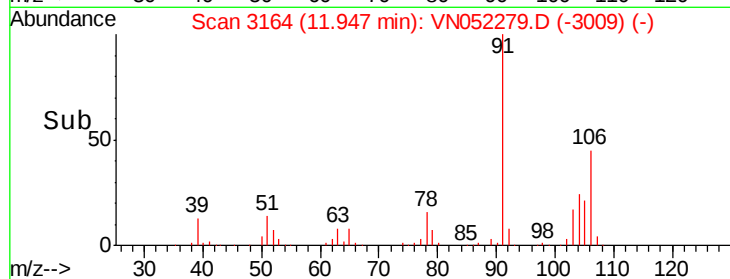
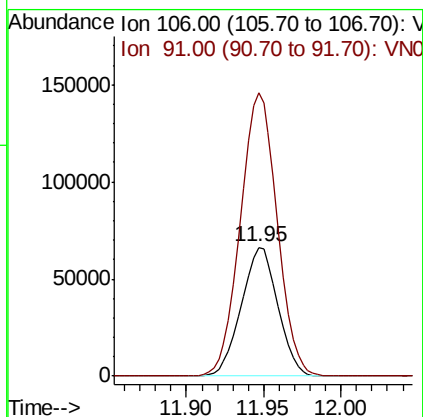
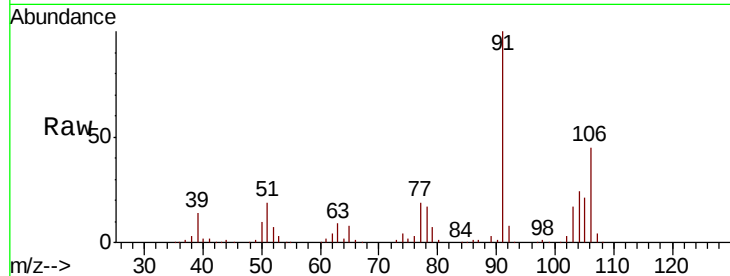




#68
o-Xylene
Concen: 20.121 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052279.D
Acq: 13 Nov 2018 11:41

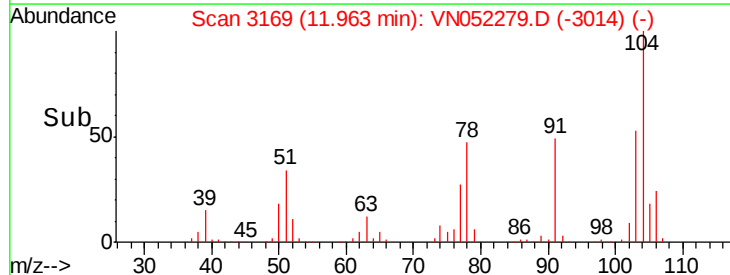
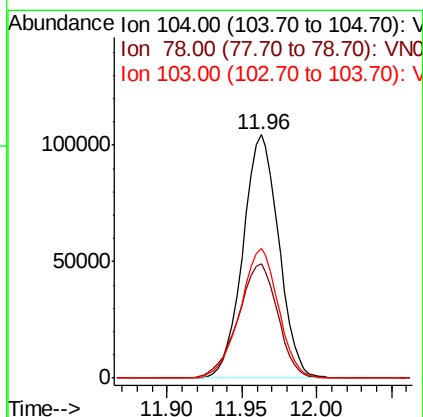
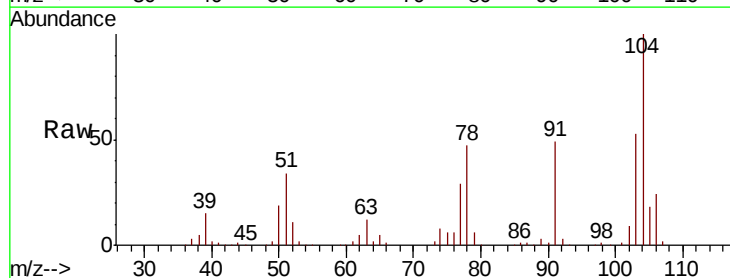
Instrument :
MSVOA_N
ClientSampled :

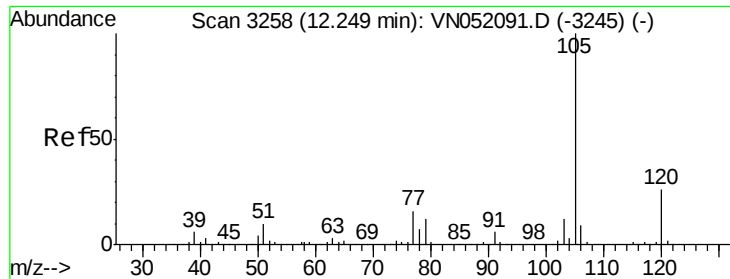
Tot Ion:106 Resp: 109255
Ion Ratio Lower Upper
106 100
91 221.3 110.0 330.0



#69
Styrene
Concen: 19.935 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052279.D
Acq: 13 Nov 2018 11:41

Tgt Ion:104 Resp: 174424
Ion Ratio Lower Upper
104 100
78 52.1 41.3 61.9
103 56.8 43.3 64.9





#70

Isopropylbenzene

Concen: 20.239 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052279.D

Acq: 13 Nov 2018 11:41

Instrument :

MSVOA_N

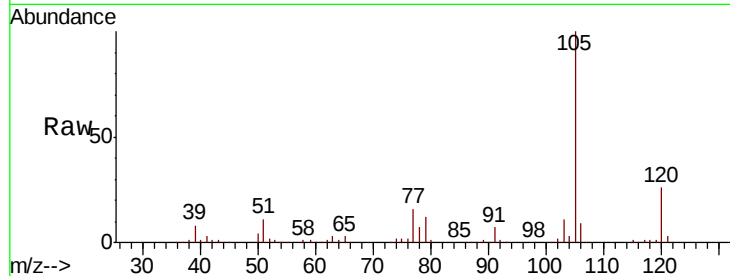
ClientSampleId :

Tot Ion:105 Resp: 295008

Ion Ratio Lower Upper

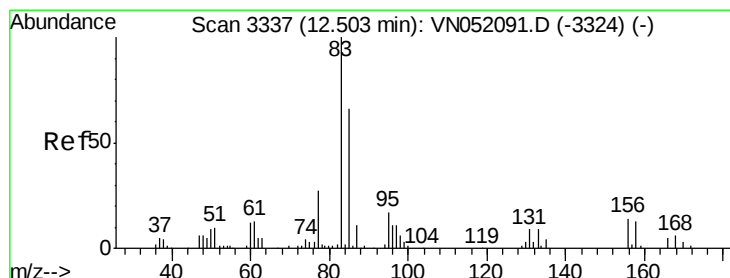
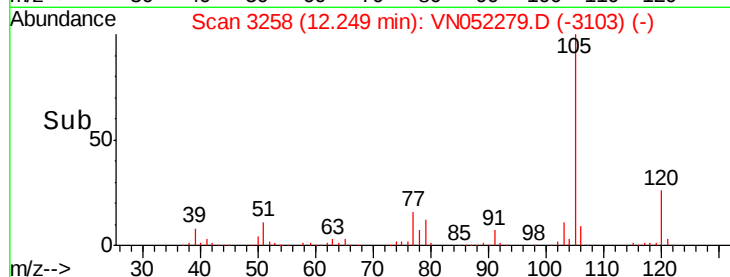
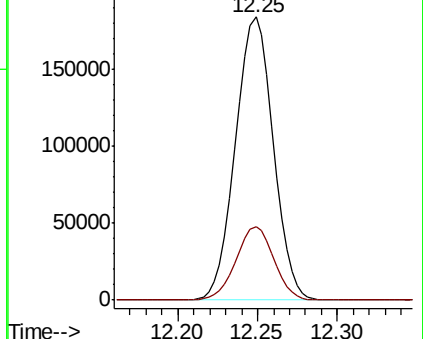
105 100

120 26.1 18.4 34.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#71

1,1,2,2-Tetrachloroethane

Concen: 21.758 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN052279.D

Acq: 13 Nov 2018 11:41

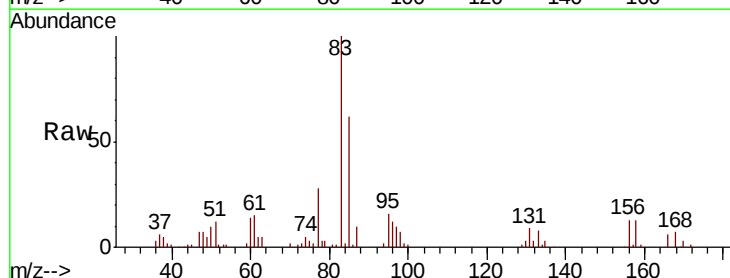
Tgt Ion: 83 Resp: 69759

Ion Ratio Lower Upper

83 100

131 10.0 4.8 14.3

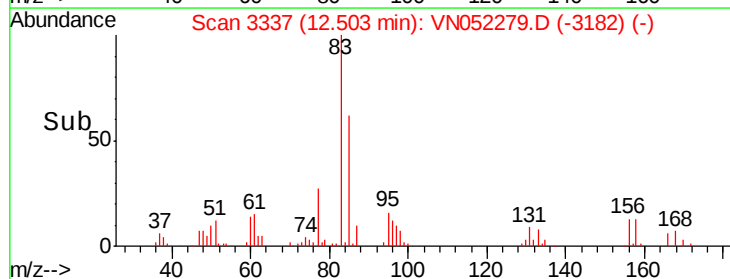
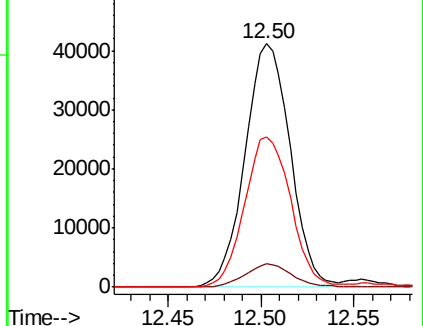
85 63.1 32.7 98.1

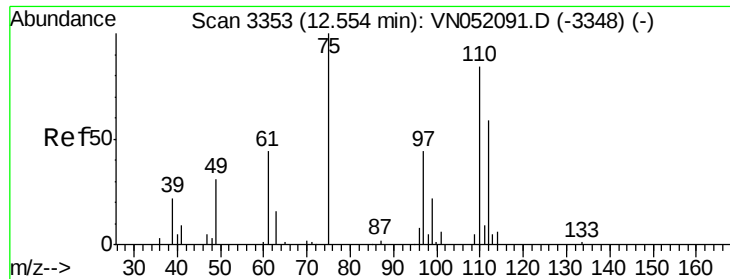


Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VN0





#72

1,2,3-Trichloropropane

Concen: 31.326 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN052279.D

Acq: 13 Nov 2018 11:41

Instrument :

MSVOA_N

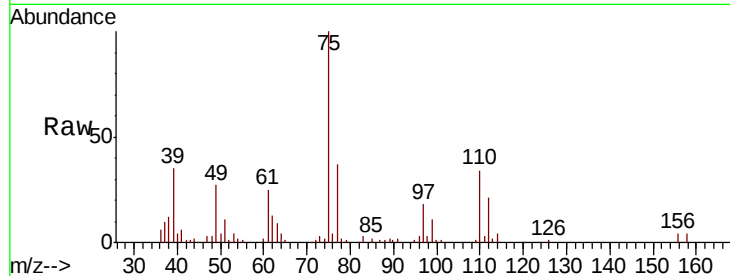
ClientSampled :

Tot Ion: 75 Resp: 88307

Ion Ratio Lower Upper

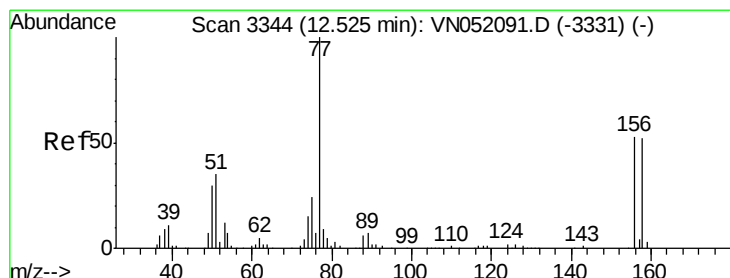
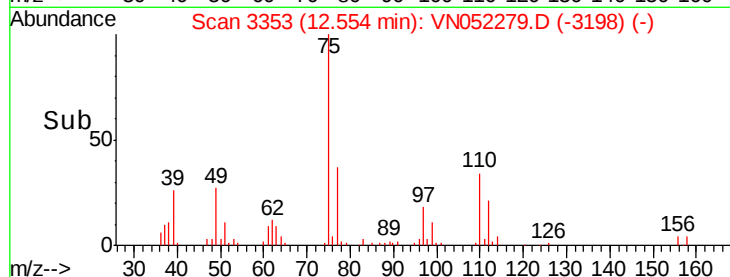
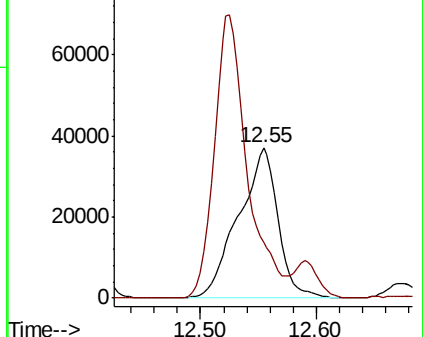
75 100

77 156.1 0.0 481.8



Abundance Ion 75.00 (74.70 to 75.70): VN052091.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN052091.D (-3348) (-)



#73

Bromobenzene

Concen: 21.083 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052279.D

Acq: 13 Nov 2018 11:41

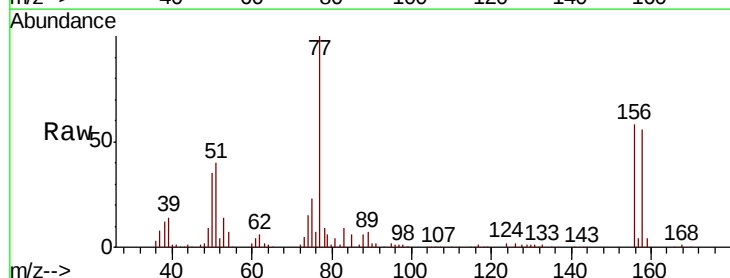
Tgt Ion: 156 Resp: 68094

Ion Ratio Lower Upper

156 100

77 202.5 0.0 428.0

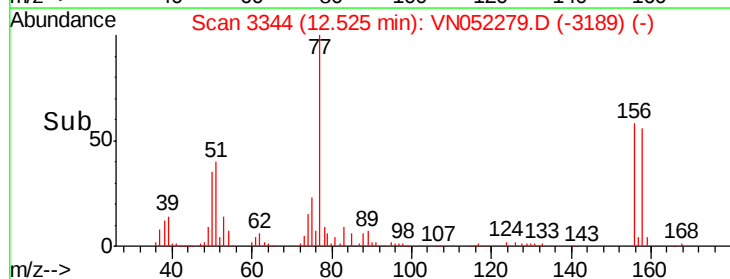
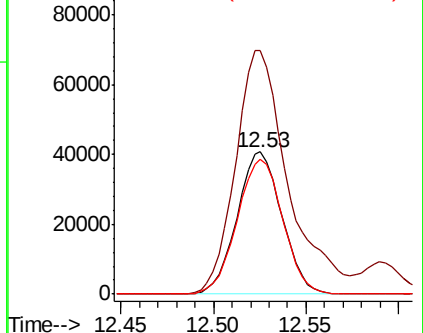
158 96.5 0.0 196.8

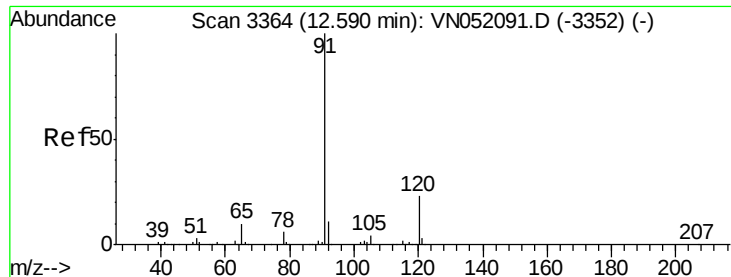


Abundance Ion 156.00 (155.70 to 156.70): VN052091.D (-3331) (-)

Ion 77.00 (76.70 to 77.70): VN052091.D (-3331) (-)

Ion 158.00 (157.70 to 158.70): VN052091.D (-3331) (-)





#74

n-propylbenzene

Concen: 20.680 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN052279.D

Acq: 13 Nov 2018 11:41

Instrument :

MSVOA_N

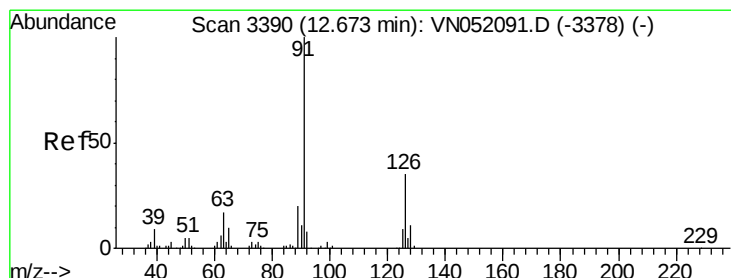
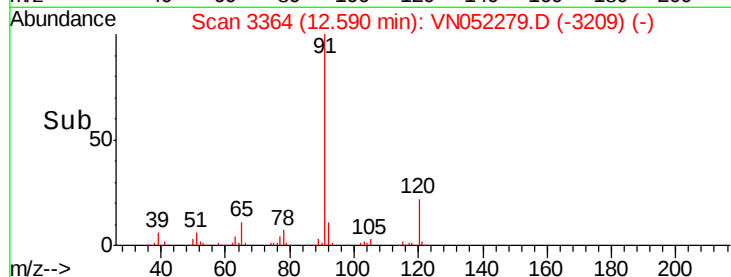
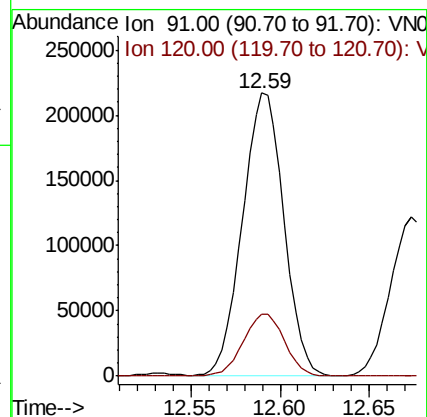
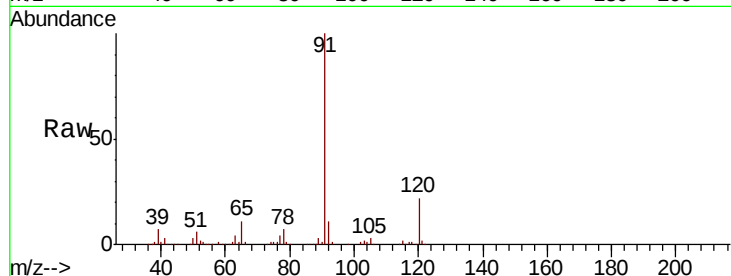
ClientSampleId :

Tot Ion: 91 Resp: 351026

Ion Ratio Lower Upper

91 100

120 21.9 0.0 44.8



#75

2-Chlorotoluene

Concen: 20.812 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN052279.D

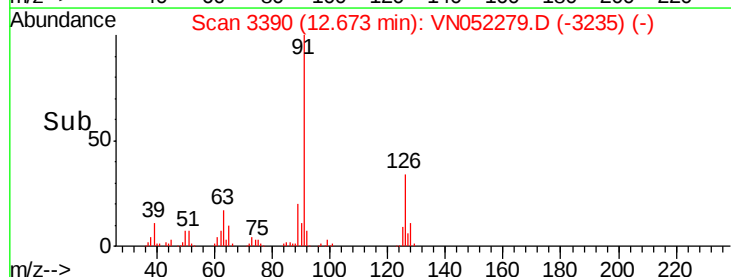
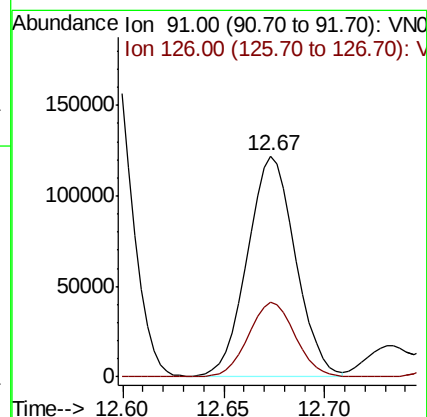
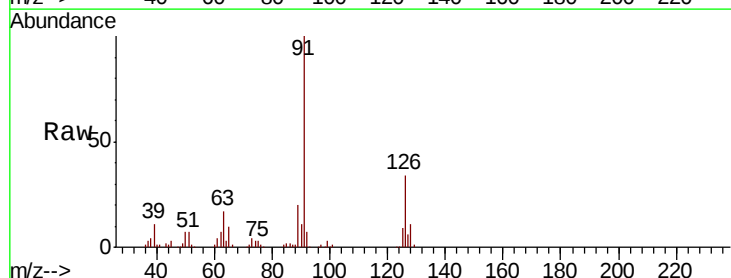
Acq: 13 Nov 2018 11:41

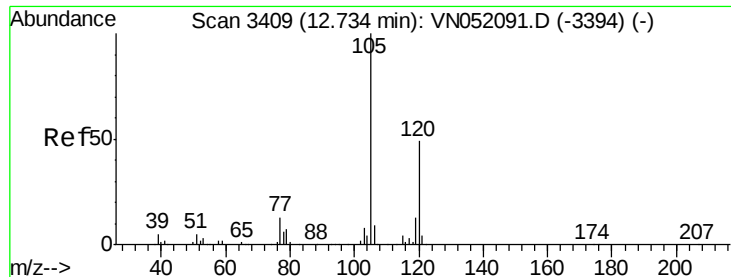
Tgt Ion: 91 Resp: 203663

Ion Ratio Lower Upper

91 100

126 33.0 0.0 68.0





#76

1,3,5-Trimethylbenzene

Concen: 20.736 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN052279.D

Acq: 13 Nov 2018 11:41

Instrument :

MSVOA_N

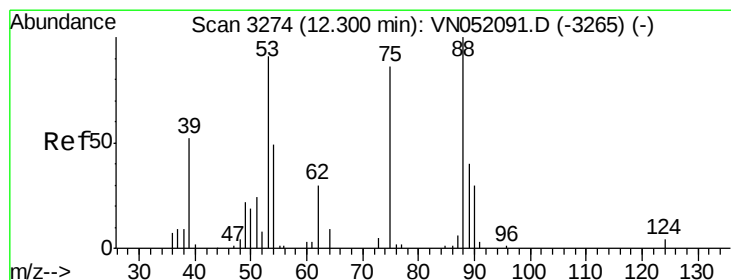
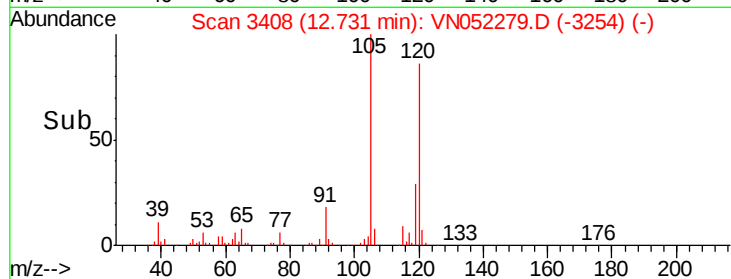
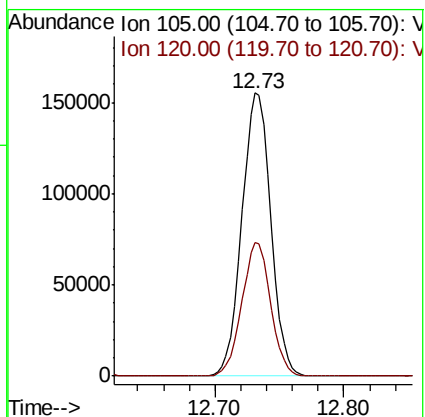
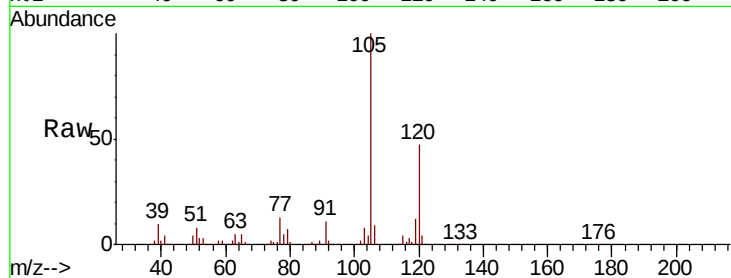
ClientSampled :

Tot Ion:105 Resp: 242368

Ion Ratio Lower Upper

105 100

120 47.0 0.0 95.8



#77

t-1,4-Dichloro-2-butene

Concen: 20.345 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN052279.D

Acq: 13 Nov 2018 11:41

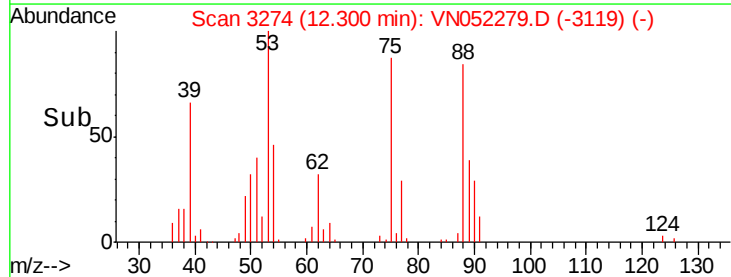
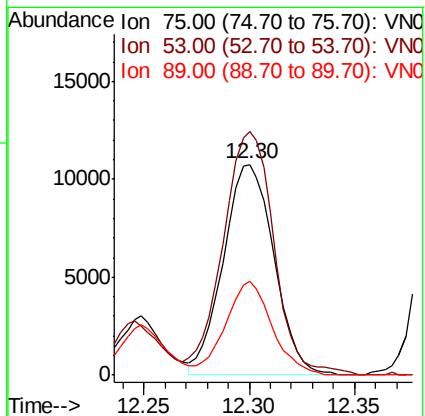
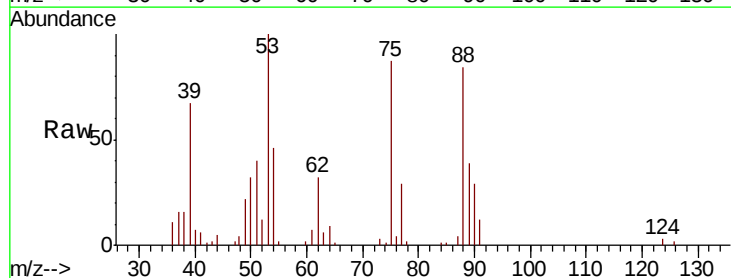
Tgt Ion: 75 Resp: 17945

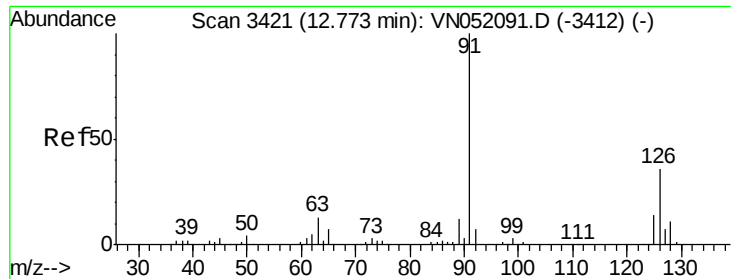
Ion Ratio Lower Upper

75 100

53 113.0 50.7 152.1

89 44.6 23.8 71.5

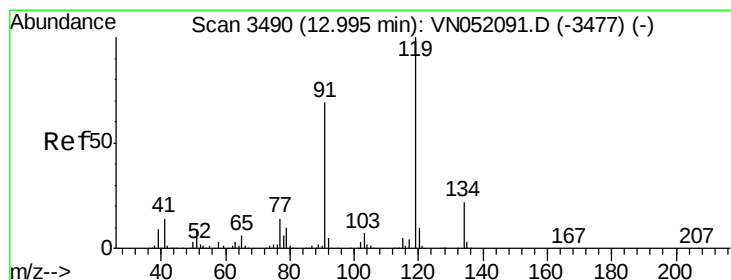
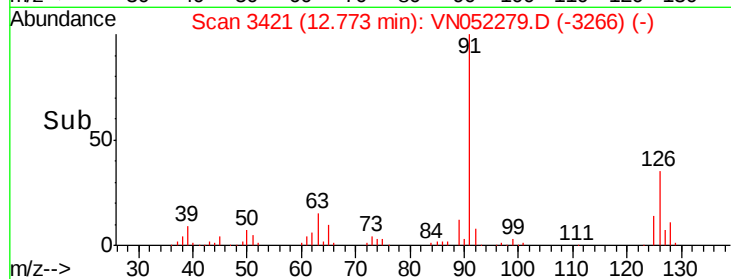
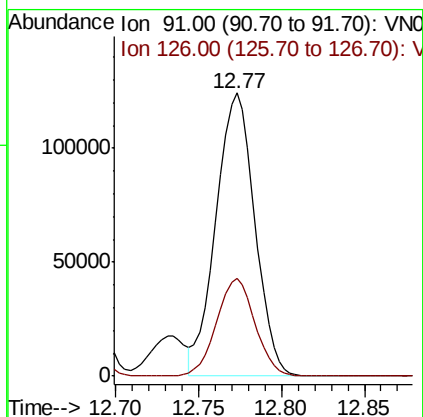
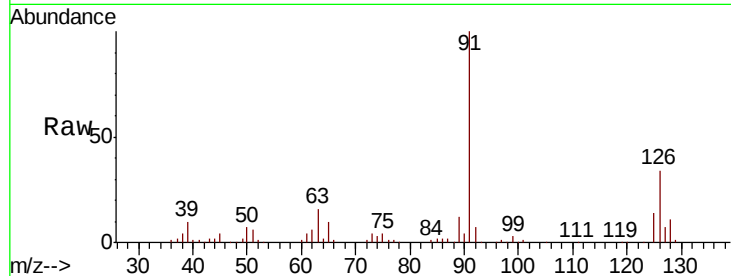




#78
4-Chlorotoluene
Concen: 20.586 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN052279.D
Acq: 13 Nov 2018 11:41

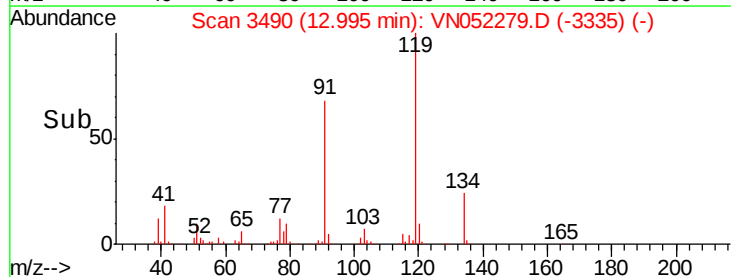
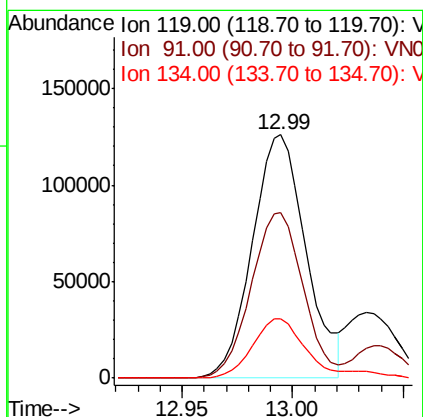
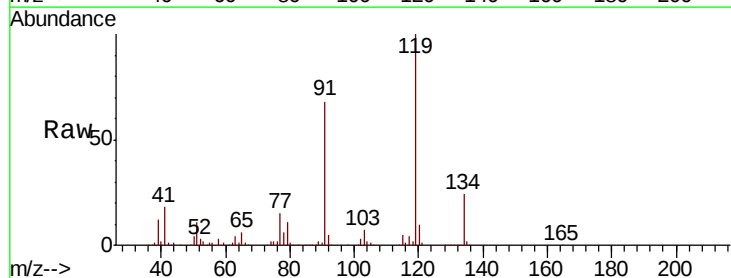
Instrument :
MSVOA_N
ClientSampled :

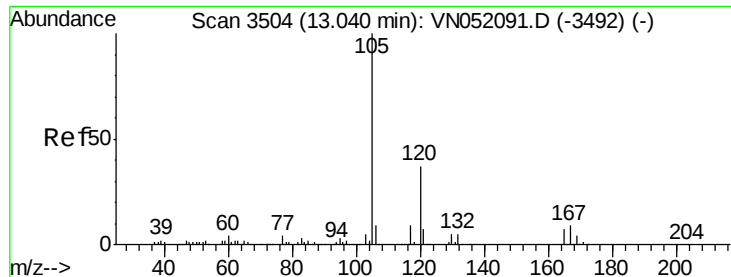
Tot Ion: 91 Resp: 202871
Ion Ratio Lower Upper
91 100
126 33.9 0.0 68.0



#79
tert-butylbenzene
Concen: 20.953 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN052279.D
Acq: 13 Nov 2018 11:41

Tgt Ion: 119 Resp: 213329
Ion Ratio Lower Upper
119 100
91 65.9 0.0 131.2
134 23.6 0.0 45.8





#80

1,2,4-Trimethylbenzene

Concen: 20.927 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN052279.D

Acq: 13 Nov 2018 11:41

Instrument :

MSVOA_N

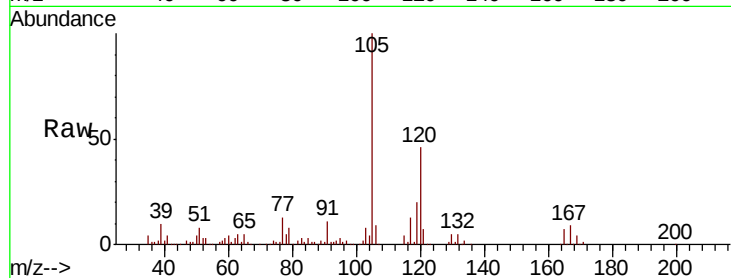
ClientSampleId :

Tot Ion:105 Resp: 243672

Ion Ratio Lower Upper

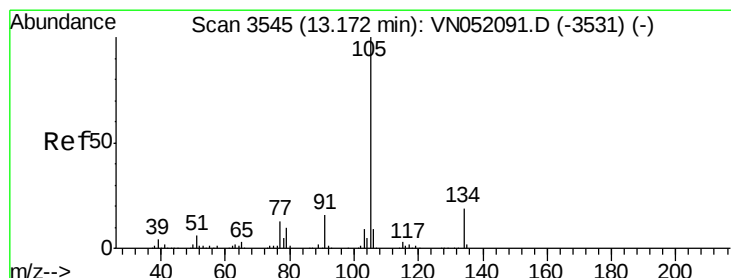
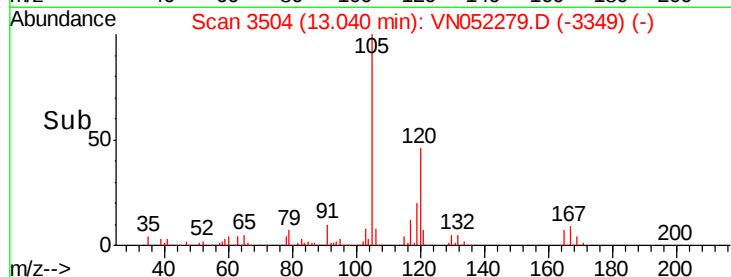
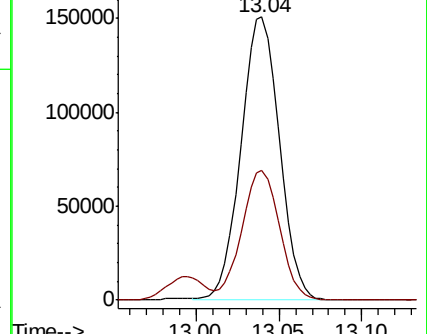
105 100

120 45.0 0.0 89.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

sec-Butylbenzene

Concen: 20.917 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN052279.D

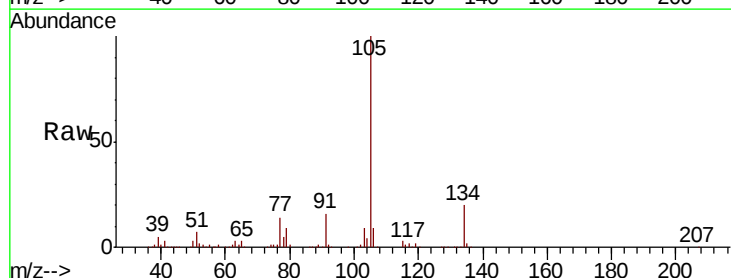
Acq: 13 Nov 2018 11:41

Tgt Ion:105 Resp: 293077

Ion Ratio Lower Upper

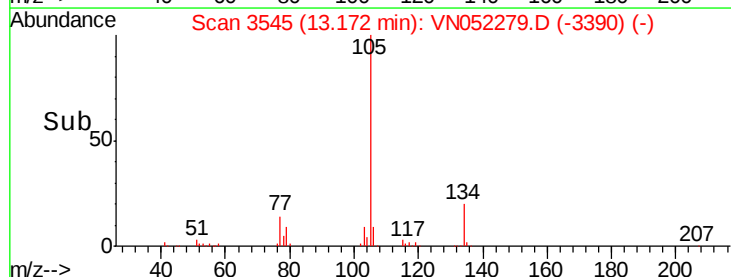
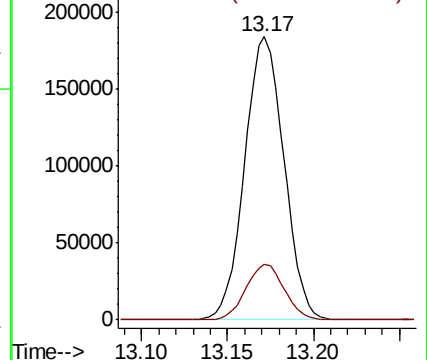
105 100

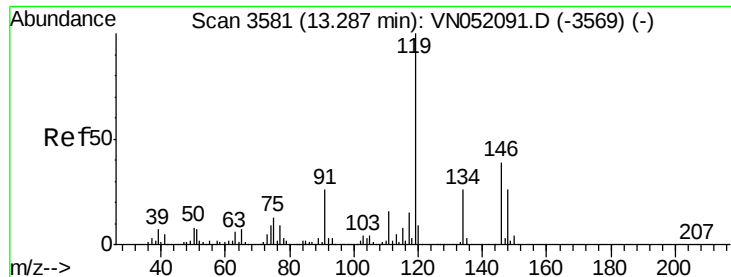
134 19.3 0.0 38.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

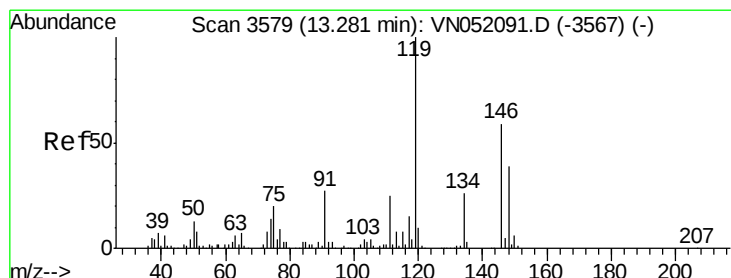
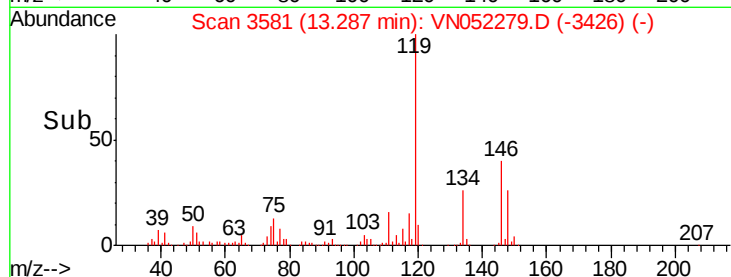
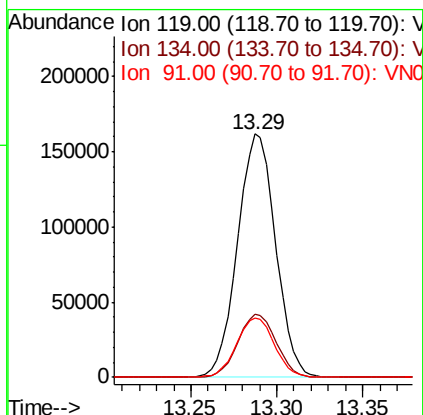
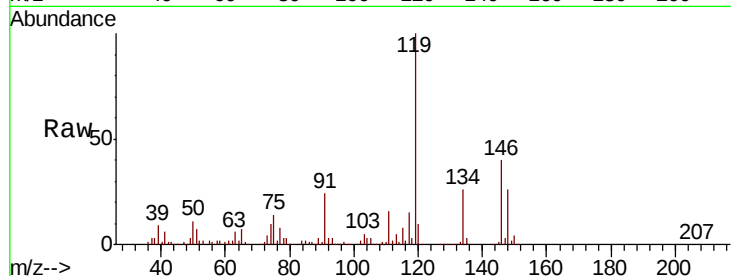




#82
 p-Isopropyltoluene
 Concen: 21.072 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN052279.D
 Acq: 13 Nov 2018 11:41

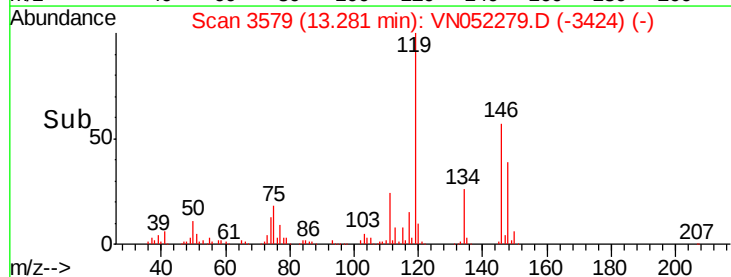
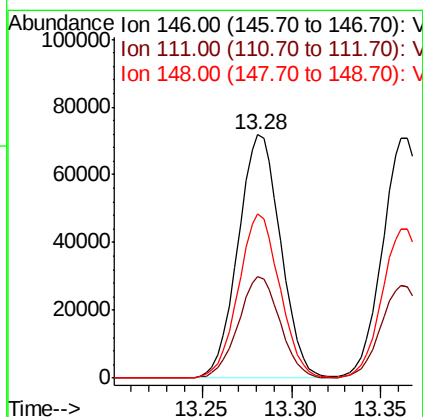
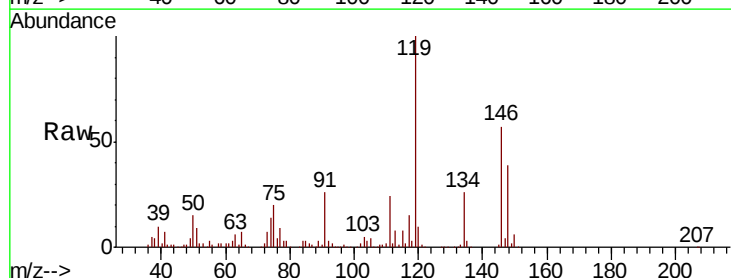
Instrument :
 MSVOA_N
 ClientSampled :

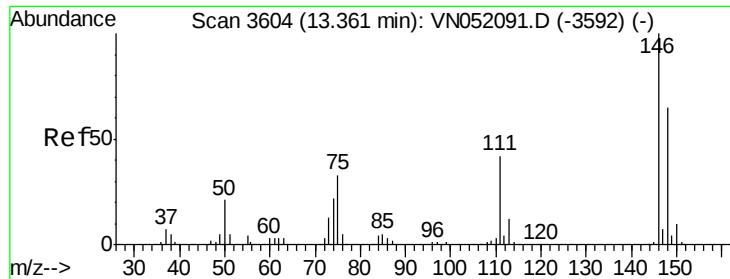
Tot Ion:119 Resp: 249522
 Ion Ratio Lower Upper
 119 100
 134 26.0 0.0 52.0
 91 24.2 0.0 50.8



#83
 1,3-Dichlorobenzene
 Concen: 21.003 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN052279.D
 Acq: 13 Nov 2018 11:41

Tgt Ion:146 Resp: 119989
 Ion Ratio Lower Upper
 146 100
 111 40.7 21.0 63.0
 148 65.5 33.4 100.2





#84

1,4-Dichlorobenzene

Concen: 20.690 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN052279.D

Acq: 13 Nov 2018 11:41

Instrument :

MSVOA_N

ClientSampled :

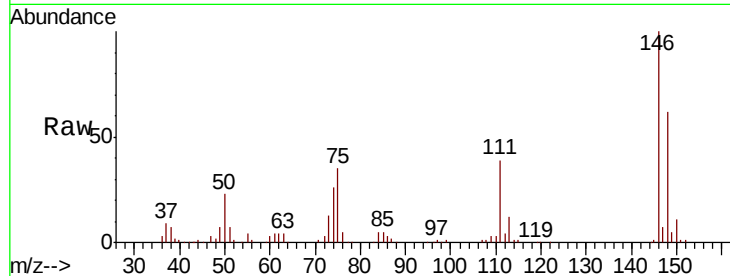
Tot Ion:146 Resp: 117017

Ion Ratio Lower Upper

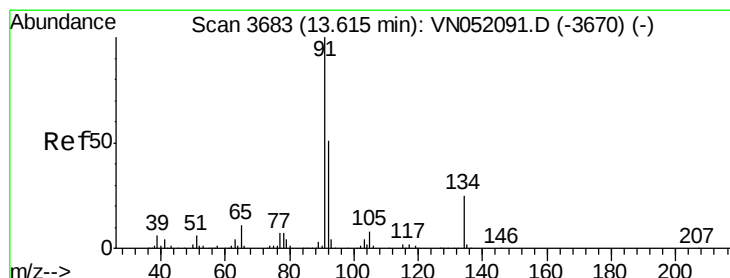
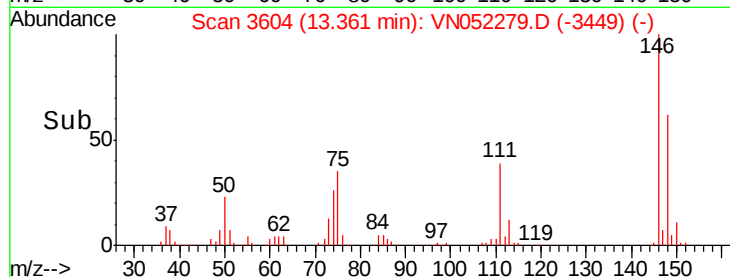
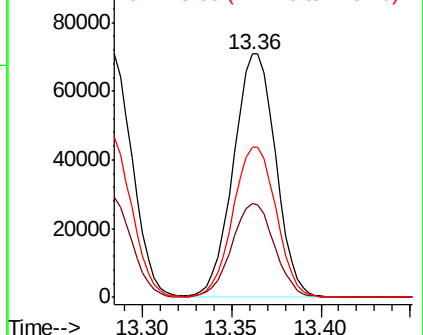
146 100

111 38.7 21.4 64.2

148 63.1 32.6 98.0



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#85

n-Butylbenzene

Concen: 21.102 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN052279.D

Acq: 13 Nov 2018 11:41

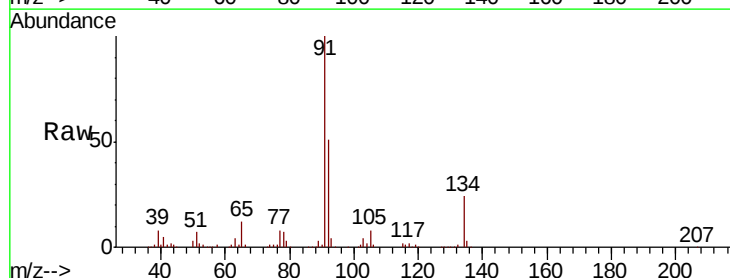
Tgt Ion: 91 Resp: 216271

Ion Ratio Lower Upper

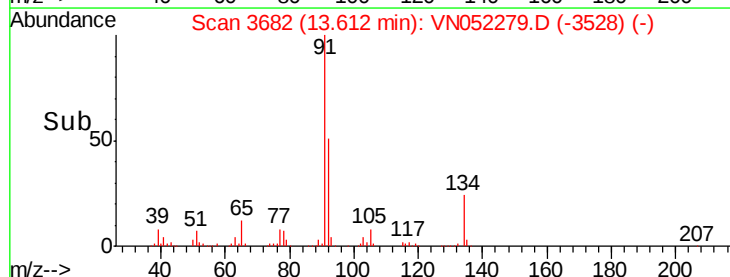
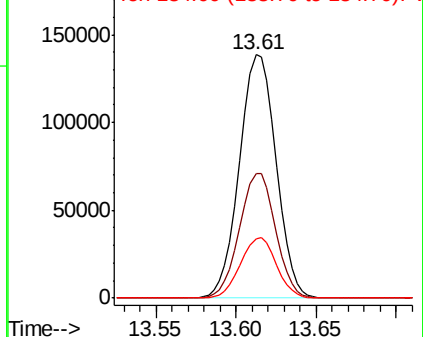
91 100

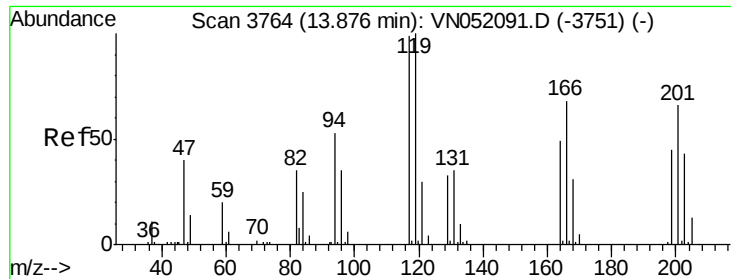
92 50.3 0.0 102.8

134 24.3 0.0 49.2



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V
Ion 134.00 (133.70 to 134.70): V

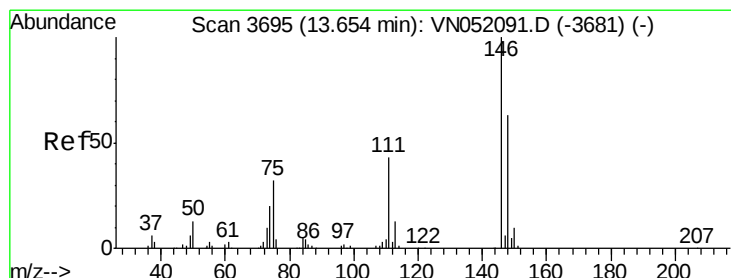
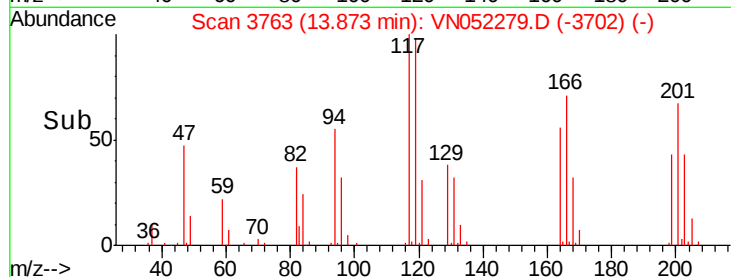
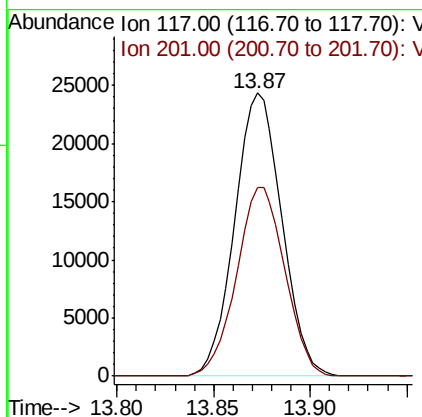
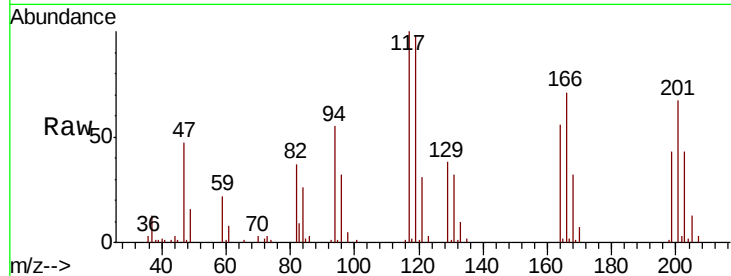




#86
Hexachloroethane
Concen: 20.621 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN052279.D
Acq: 13 Nov 2018 11:41

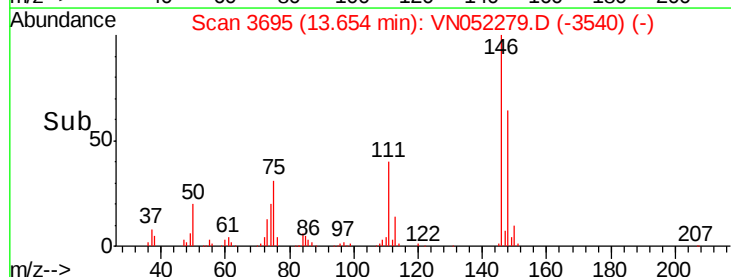
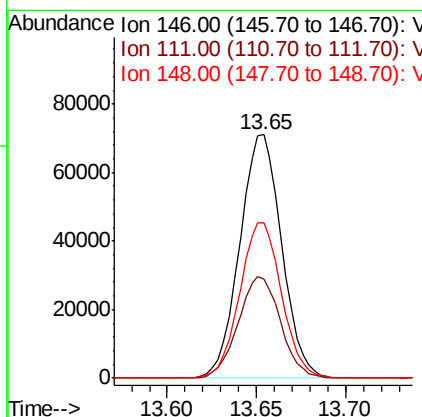
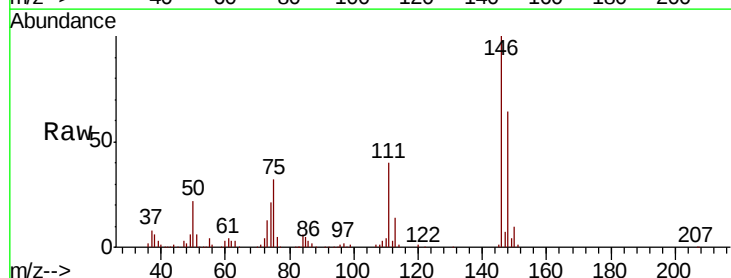
Instrument :
MSVOA_N
ClientSampled :

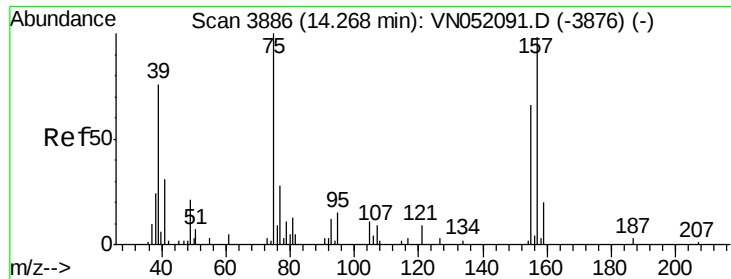
Tot Ion:117 Resp: 41205
Ion Ratio Lower Upper
117 100
201 68.4 32.2 96.6



#87
1,2-Dichlorobenzene
Concen: 21.414 ug/l
RT: 13.65 min Scan# 3695
Delta R.T. -0.00 min
Lab File: VN052279.D
Acq: 13 Nov 2018 11:41

Tgt Ion:146 Resp: 116233
Ion Ratio Lower Upper
146 100
111 41.9 22.4 67.0
148 63.6 32.5 97.4





#88

1,2-Dibromo-3-Chloropropane

Concen: 22.634 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN052279.D

Acq: 13 Nov 2018 11:41

Instrument :

MSVOA_N

ClientSampleId :

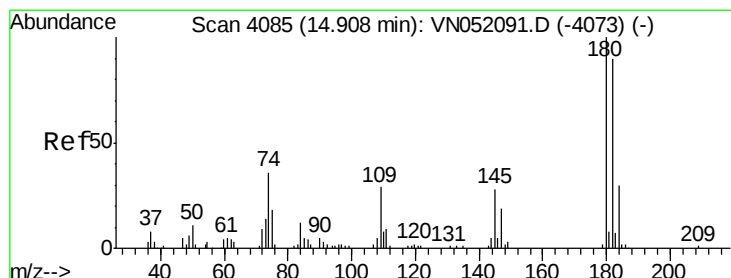
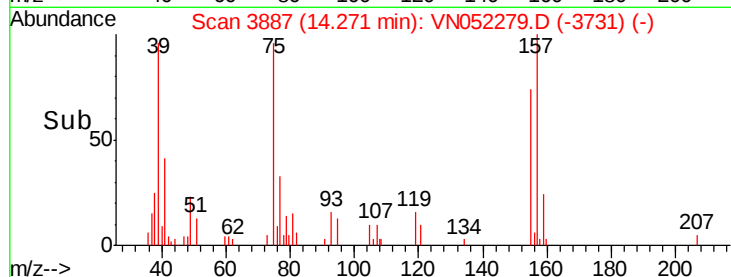
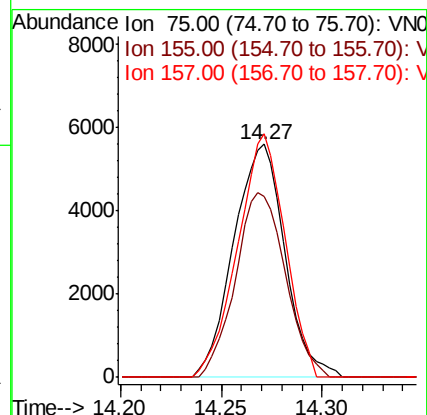
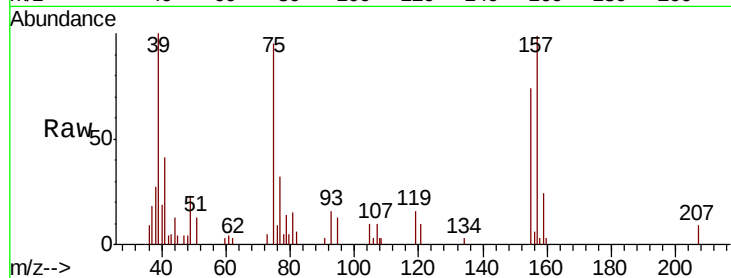
Tot Ion: 75 Resp: 9923

Ion Ratio Lower Upper

75 100

155 77.5 56.7 85.1

157 96.7 80.4 120.6



#89

1,2,4-Trichlorobenzene

Concen: 22.282 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. -0.00 min

Lab File: VN052279.D

Acq: 13 Nov 2018 11:41

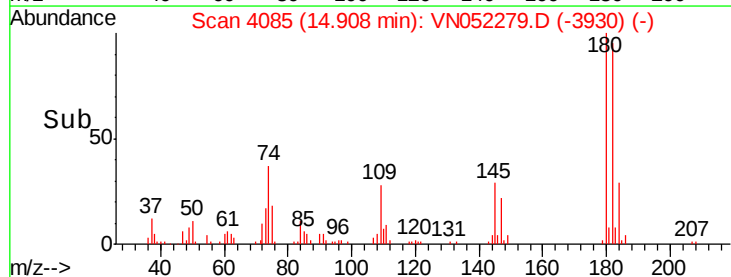
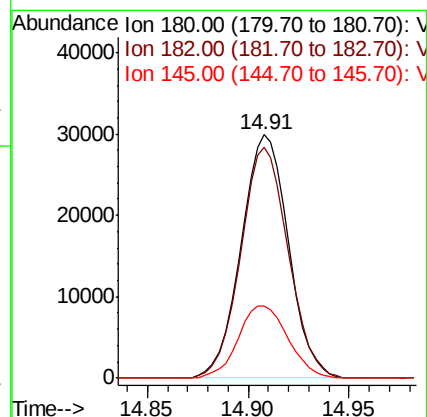
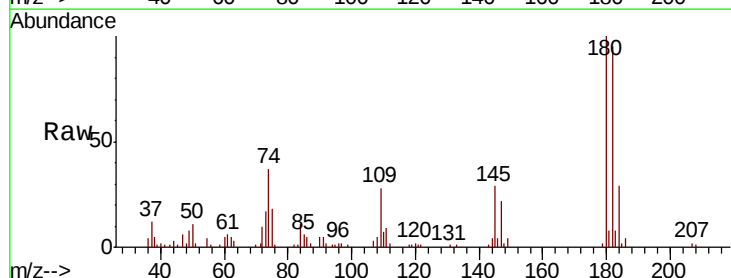
Tgt Ion: 180 Resp: 49095

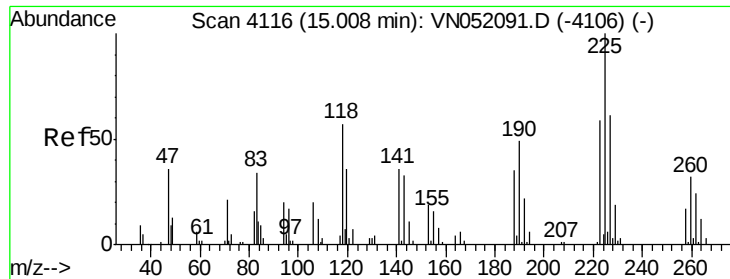
Ion Ratio Lower Upper

180 100

182 95.2 74.0 111.0

145 31.1 24.6 36.8





#90

Hexachlorobutadiene

Concen: 24.420 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN052279.D

Acq: 13 Nov 2018 11:41

Instrument :

MSVOA_N

ClientSampled :

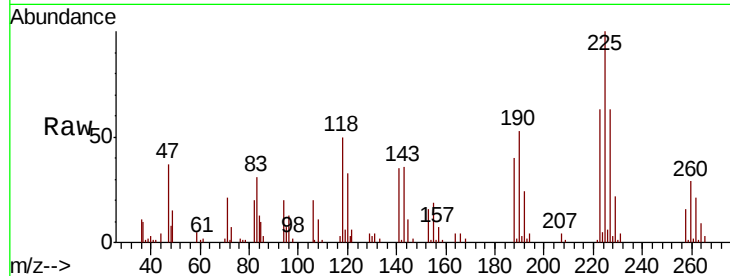
Tot Ion:225 Resp: 29438

Ion Ratio Lower Upper

225 100

223 64.8 0.0 121.2

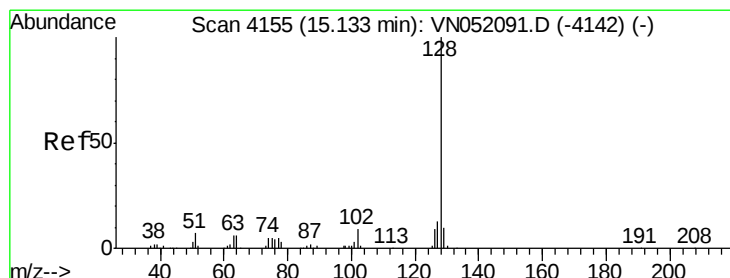
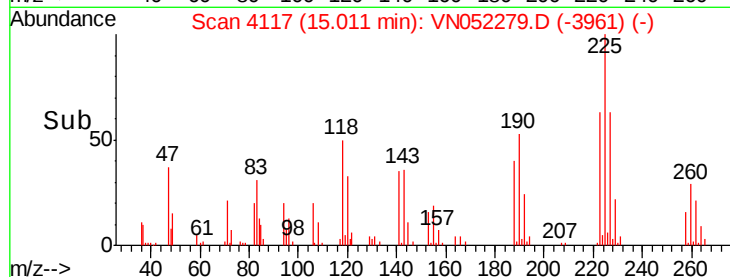
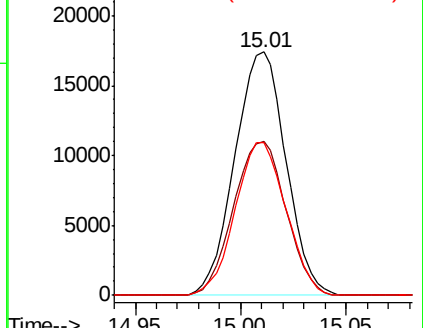
227 62.3 0.0 127.2



Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V



#91

Naphthalene

Concen: 22.322 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052279.D

Acq: 13 Nov 2018 11:41

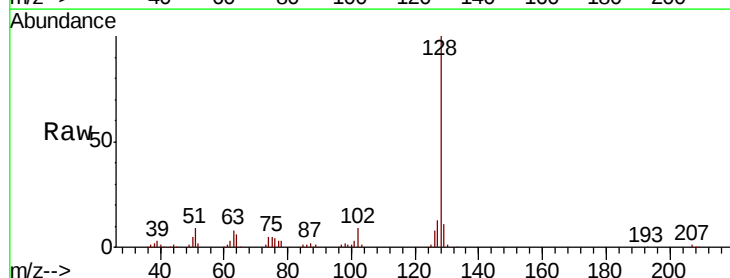
Tgt Ion:128 Resp: 113363

Ion Ratio Lower Upper

128 100

127 13.4 10.4 15.6

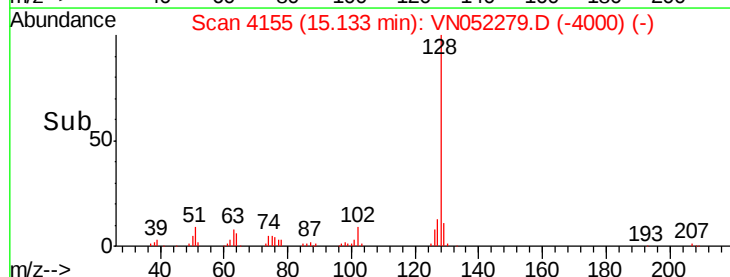
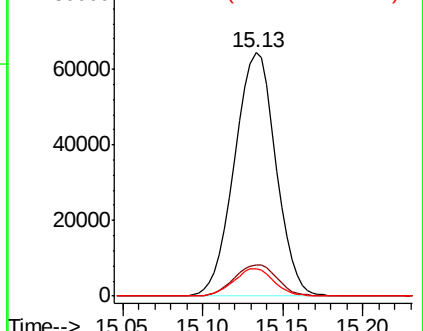
129 10.8 8.3 12.5

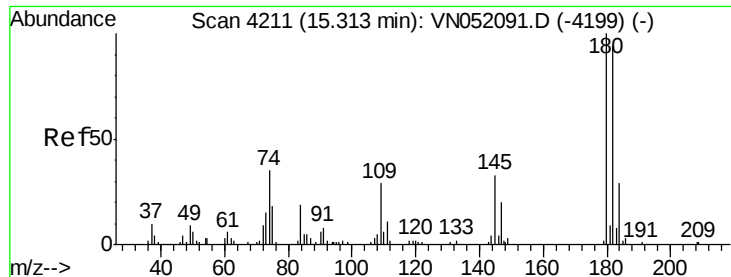


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

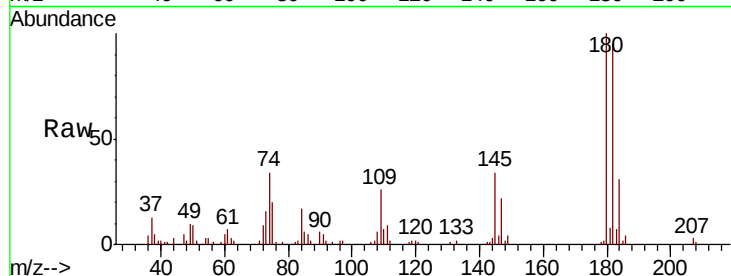




#92
 1,2,3-Trichlorobenzene
 Concen: 23.453 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. -0.00 min
 Lab File: VN052279.D
 Acq: 13 Nov 2018 11:41

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	0.0	186.6
145	32.9	0.0	66.6



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

