

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091918\
 Data File : VN051316.D
 Acq On : 19 Sep 2018 14:01
 Operator : MD\SY
 Sample : VN0919WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 19 16:12:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 29 01:38:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	101428	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	542347	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	470626	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	186530	28.82	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.07%
60) 4-Bromofluorobenzene	12.40	95	203288	29.05	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.83%
63) Toluene-d8	10.09	98	665003	30.30	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	110056	17.472	ug/l 100
3) Chloromethane	2.06	50	142380	19.143	ug/l 99
4) Vinyl Chloride	2.18	62	144375	19.645	ug/l 99
5) Bromomethane	2.57	94	85648	19.120	ug/l 98
6) Chloroethane	2.70	64	87476	20.180	ug/l 95
7) Trichlorofluoromethane	3.01	101	208040	21.353	ug/l 99
8) Diethyl Ether	3.41	74	67973	19.788	ug/l 91
9) 1,1,2-Trichlorotrifluoroet	3.76	101	125863	20.861	ug/l 97
10) 1,1-Dichloroethene	3.74	96	110851	20.226	ug/l 99
11) Methyl Iodide	3.95	142	109150	21.345	ug/l 98
12) Methyl Acetate	4.33	43	91956	14.510	ug/l 99
13) Acrolein	3.61	56	32102	228.760	ug/l 96
14) Acrylonitrile	5.00	53	185776	86.701	ug/l 100
15) Acetone	3.82	58	45895	83.704	ug/l 88
16) Carbon Disulfide	4.05	76	329520	19.996	ug/l 99
17) Allyl chloride	4.33	41	160383	18.598	ug/l 99
18) Methylene Chloride	4.55	84	130863	20.343	ug/l 97
19) trans-1,2-Dichloroethene	5.04	96	119721	20.503	ug/l 95
20) Diisopropyl ether	5.96	45	353973	19.775	ug/l 96
21) 1,1-Dichloroethane	5.85	63	218967	19.951	ug/l 100
22) cis-1,2-Dichloroethene	6.83	96	135497	20.542	ug/l 99
23) tert-Butyl Alcohol	4.79	59	37676	82.679	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	290506	19.380	ug/l 99
25) Chloroform	7.37	83	231640	21.146	ug/l 99
26) Cyclohexane	7.65	56	178637	19.646	ug/l # 96
29) 1,1-Dichloropropene	7.80	75	166277	20.479	ug/l 98
30) 2-Butanone	6.84	43	196136	78.523	ug/l 98
31) 2,2-Dichloropropane	6.83	77	170618	21.596	ug/l 99
32) 1,1,1-Trichloroethane	7.57	97	195558	21.239	ug/l 98
33) Carbon Tetrachloride	7.78	117	176816	21.324	ug/l 96
34) Benzene	8.04	78	517071	20.586	ug/l 97
35) Methacrylonitrile	7.17	41	40134	14.666	ug/l 92
36) 1,2-Dichloroethane	8.13	62	153865	20.255	ug/l 99
37) Trichloroethene	8.84	130	143289	21.826	ug/l 94
38) Methylcyclohexane	9.08	83	179830	20.622	ug/l 97
39) 1,2-Dichloropropane	9.12	63	134325	20.476	ug/l 99
40) Dibromomethane	9.21	93	80608	20.398	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	171496	20.587	ug/l	99
42) Vinyl Acetate	5.90	43	1108761	96.371	ug/l	98
43) Ethyl Acetate	6.93	43	94508	18.470	ug/l	99
44) Isopropyl Acetate	8.17	43	162279	17.973	ug/l #	76
45) 1,4-Dioxane	9.20	88	23316	347.624	ug/l	98
46) Methyl methacrylate	9.20	41	77289	17.091	ug/l	97
47) n-amyl Acetate	12.07	43	113356	15.615	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	157722	19.315	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	194564	20.742	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	115579	20.129	ug/l	99
51) Ethyl methacrylate	10.43	69	128602	18.306	ug/l	98
52) 1,3-Dichloropropane	10.71	76	187830	19.749	ug/l	98
53) Dibromochloromethane	10.90	129	133409	20.433	ug/l	99
54) 1,2-Dibromoethane	11.01	107	112177	19.758	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	242001	82.790	ug/l	98
56) Bromoform	12.13	173	91995	19.811	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	440085	81.729	ug/l	97
59) 2-Hexanone	10.75	43	269361	76.530	ug/l	98
61) Tetrachloroethene	10.63	164	132450	22.585	ug/l	99
62) Toluene	10.16	91	559200	21.298	ug/l	100
64) Chlorobenzene	11.44	112	348066	21.390	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	135967	22.130	ug/l	99
66) Ethyl Benzene	11.51	91	560712	20.617	ug/l	99
67) m/p-Xylenes	11.62	106	451513	43.149	ug/l	98
68) o-Xylene	11.95	106	215003	21.503	ug/l	97
69) Styrene	11.96	104	335897	21.130	ug/l	99
70) Isopropylbenzene	12.25	105	568210	21.387	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.50	83	137826	19.160	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	155872	25.116	ug/l	94
73) Bromobenzene	12.53	156	147232	21.062	ug/l	94
74) n-propylbenzene	12.59	91	614274	20.450	ug/l	97
75) 2-Chlorotoluene	12.67	91	384726	21.083	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	469826	21.639	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	31181	17.636	ug/l	99
78) 4-Chlorotoluene	12.77	91	365987	20.369	ug/l	98
79) tert-butylbenzene	12.99	119	398001	21.108	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	465381	21.499	ug/l	100
81) sec-Butylbenzene	13.17	105	520781	21.109	ug/l	98
82) p-Isopropyltoluene	13.29	119	444993	20.896	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	240177	20.322	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	222506	19.870	ug/l	99
85) n-Butylbenzene	13.62	91	300111	18.470	ug/l	98
86) Hexachloroethane	13.88	117	85457	20.907	ug/l	91
87) 1,2-Dichlorobenzene	13.65	146	236508	20.331	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	18309	18.193	ug/l	92
89) 1,2,4-Trichlorobenzene	14.91	180	76956	14.860	ug/l	99
90) Hexachlorobutadiene	15.01	225	83850	23.831	ug/l	99
91) Naphthalene	15.13	128	135721	16.961	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	85854	16.521	ug/l	99

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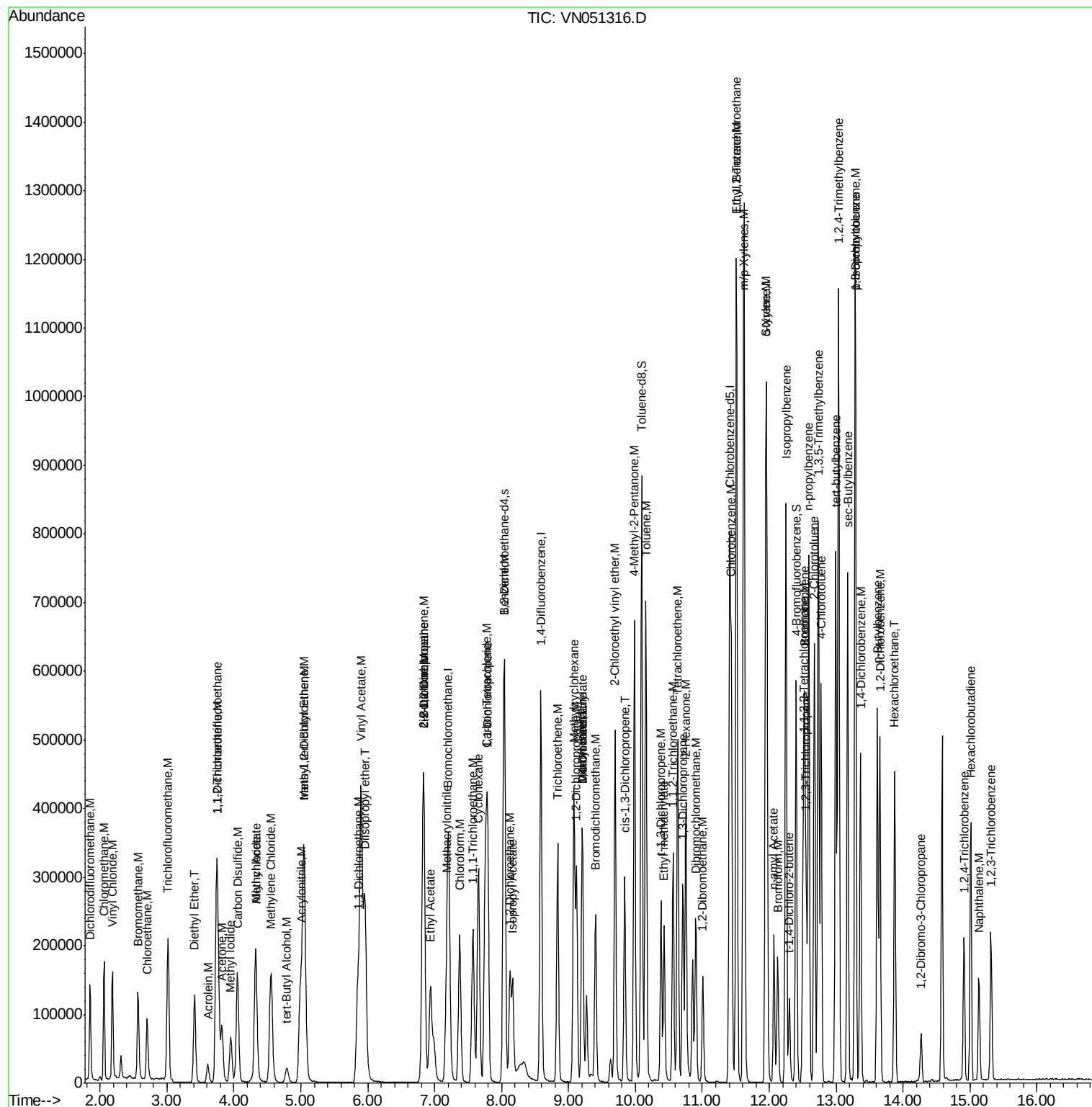
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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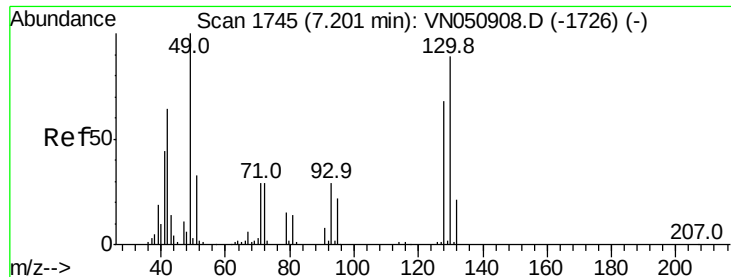
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_N
ClientSampled :

Quant Time: Sep 19 16:12:58 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082818W.M
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

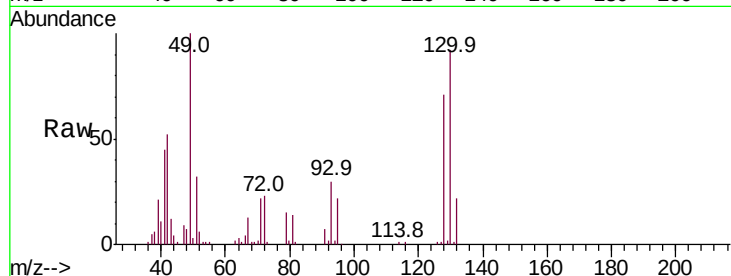
Delta R.T. -0.00 min

Lab File: VN051316.D

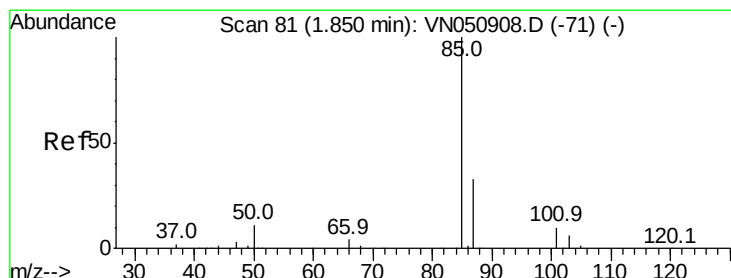
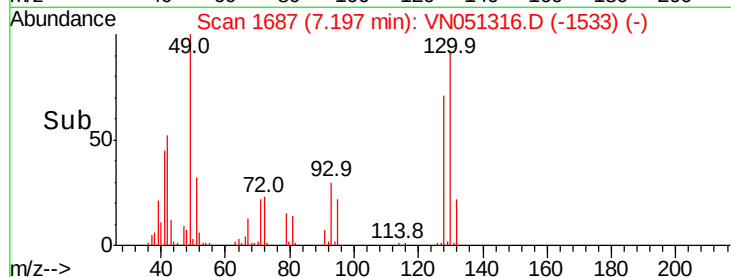
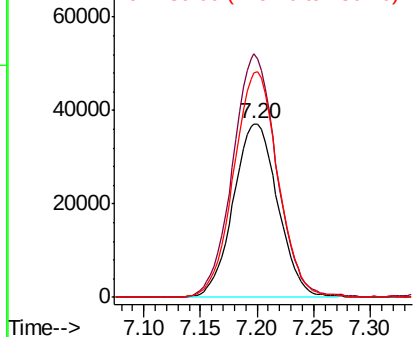
Acq: 19 Sep 2018 14:01

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:128 Resp: 101428
Ion Ratio Lower Upper
128 100
49 138.3 0.0 380.3
130 129.7 0.0 325.3



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VNO
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 17.472 ug/l

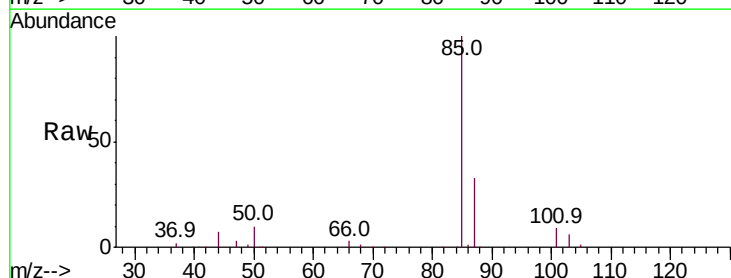
RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

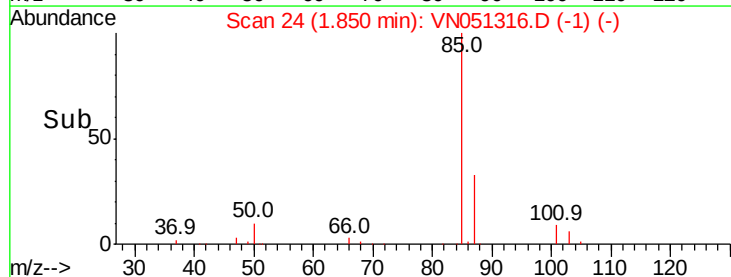
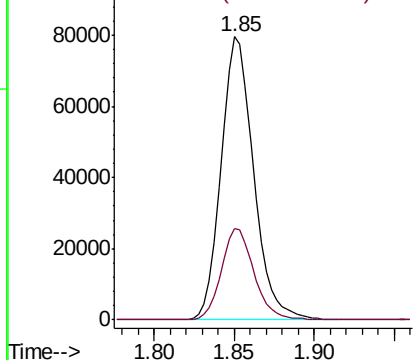
Lab File: VN051316.D

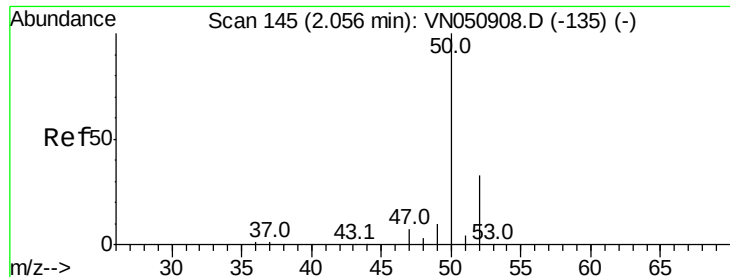
Acq: 19 Sep 2018 14:01

Tgt Ion: 85 Resp: 110056
Ion Ratio Lower Upper
85 100
87 32.5 16.4 49.1



Abundance Ion 85.00 (84.70 to 85.70): VNO
Ion 87.00 (86.70 to 87.70): VNO

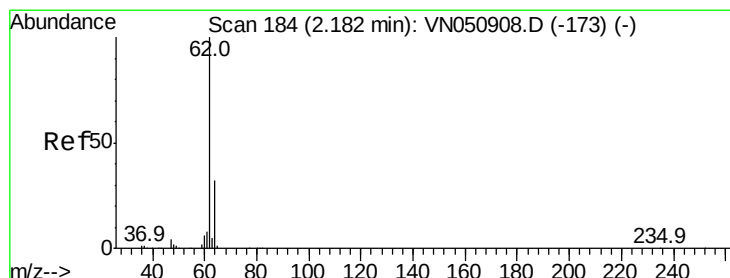
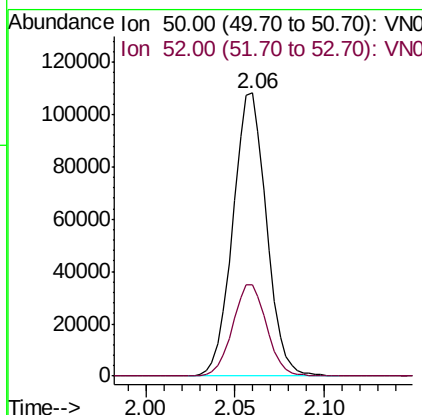
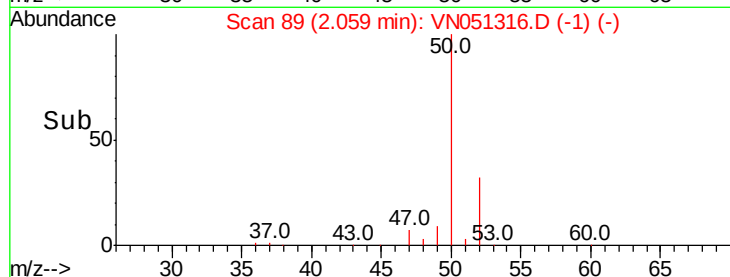
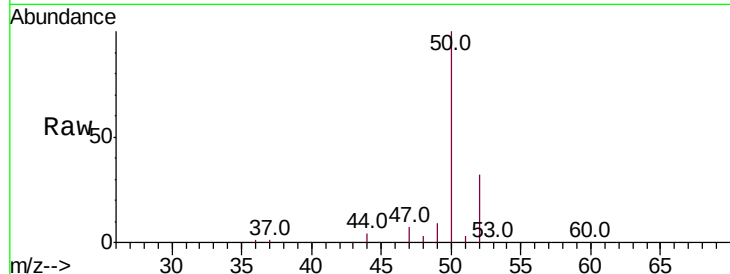




#3
Chloromethane
Concen: 19.143 ug/l
RT: 2.06 min Scan# 89
Delta R.T. 0.00 min
Lab File: VN051316.D
Acq: 19 Sep 2018 14:01

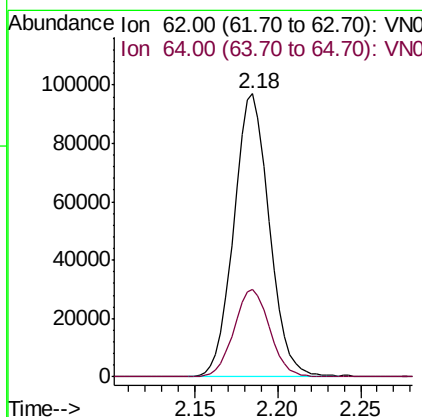
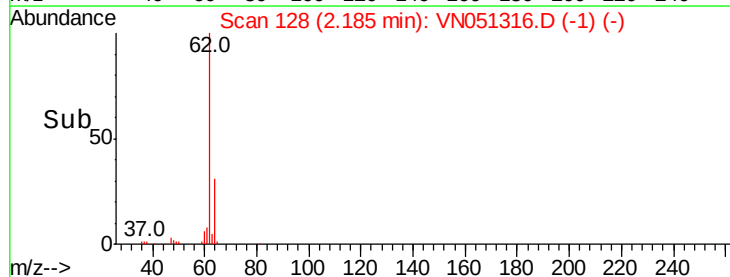
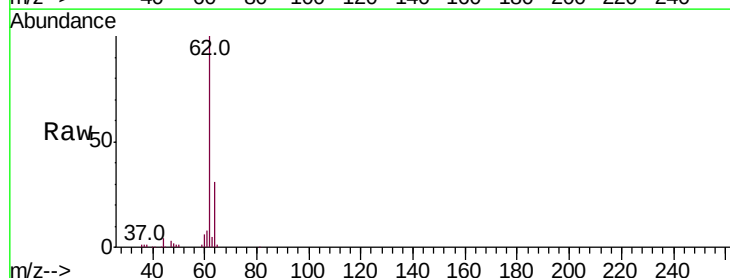
Instrument :
MSVOA_N
ClientSampled :

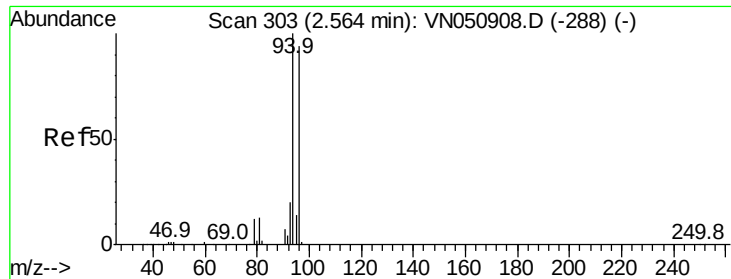
Tot Ion: 50 Resp: 142380
Ion Ratio Lower Upper
50 100
52 32.4 26.2 39.4



#4
Vinyl Chloride
Concen: 19.645 ug/l
RT: 2.18 min Scan# 128
Delta R.T. 0.00 min
Lab File: VN051316.D
Acq: 19 Sep 2018 14:01

Tgt Ion: 62 Resp: 144375
Ion Ratio Lower Upper
62 100
64 30.9 25.4 38.0





#5

Bromomethane

Concen: 19.120 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN051316.D

Acq: 19 Sep 2018 14:01

Instrument :

MSVOA_N

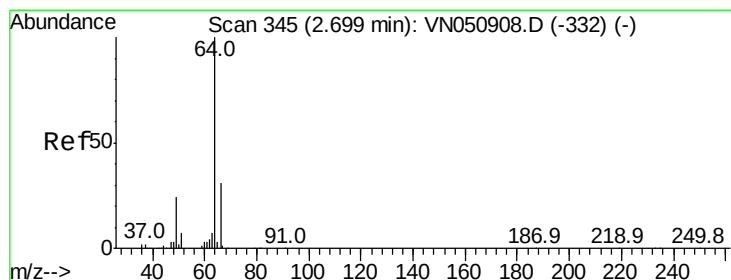
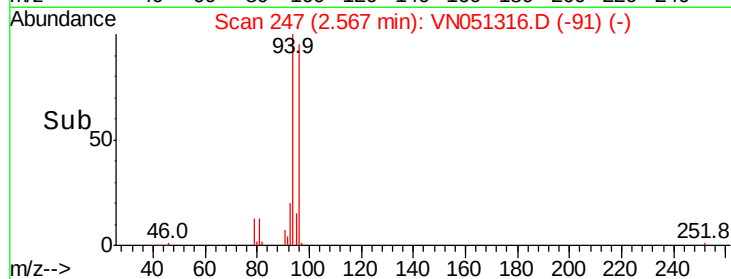
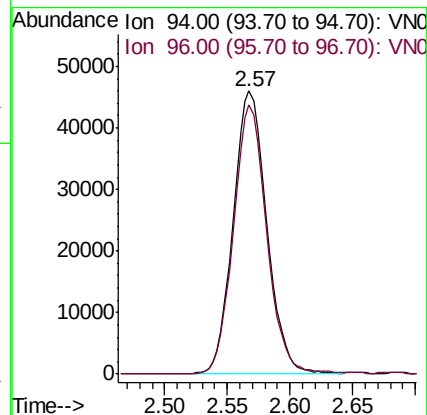
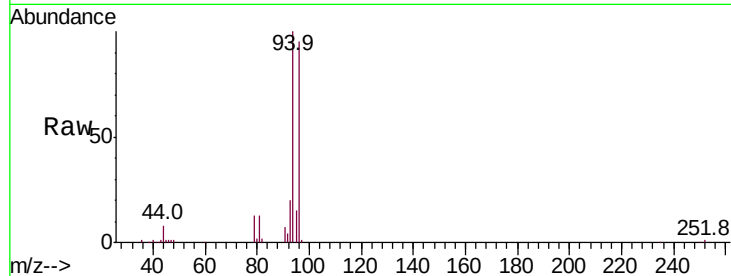
ClientSampled :

Tot Ion: 94 Resp: 85648

Ion Ratio Lower Upper

94 100

96 95.2 74.9 112.3



#6

Chloroethane

Concen: 20.180 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN051316.D

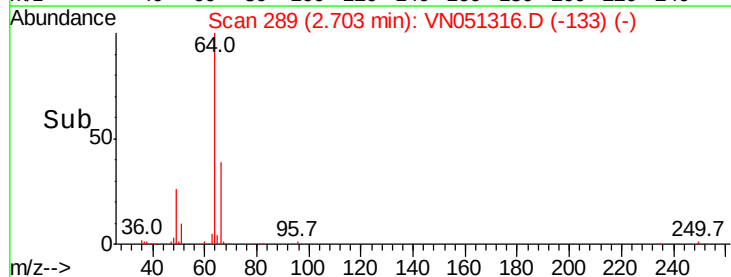
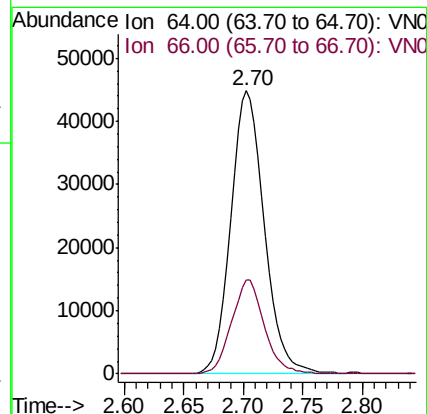
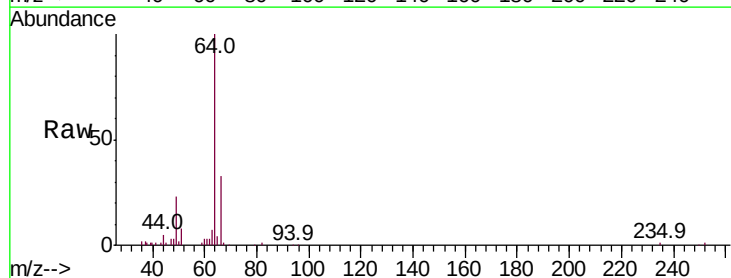
Acq: 19 Sep 2018 14:01

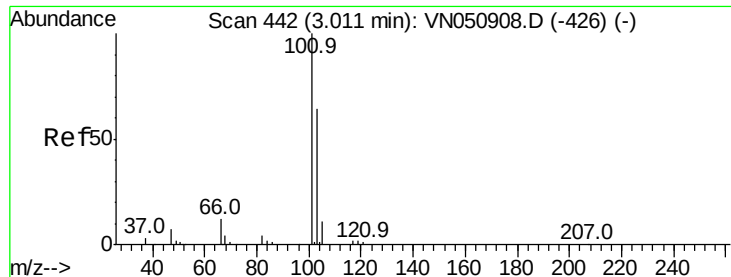
Tgt Ion: 64 Resp: 87476

Ion Ratio Lower Upper

64 100

66 33.1 24.5 36.7



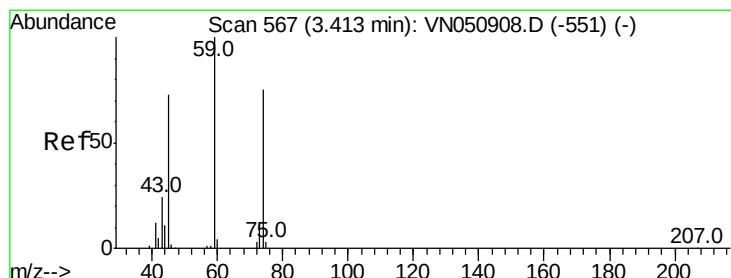
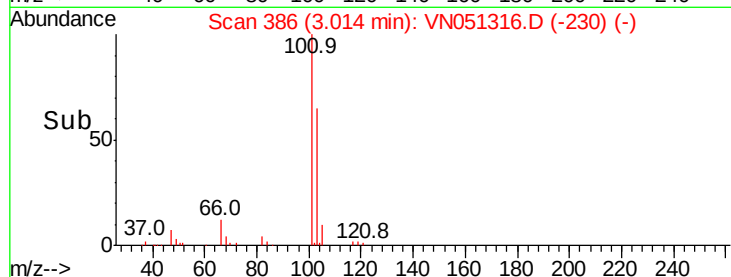
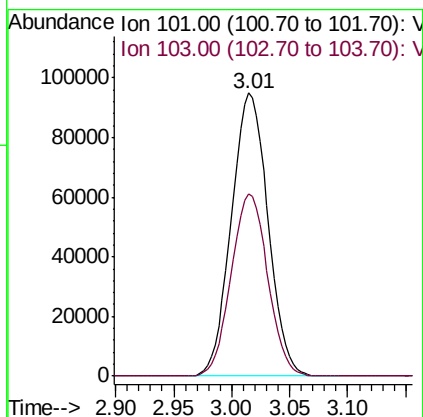
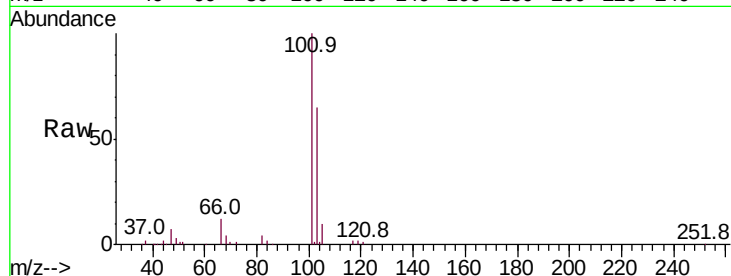


#7

Trichlorofluoromethane
 Concen: 21.353 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. 0.00 min
 Lab File: VN051316.D
 Acq: 19 Sep 2018 14:01

Instrument :
 MSVOA_N
 ClientSampleId :

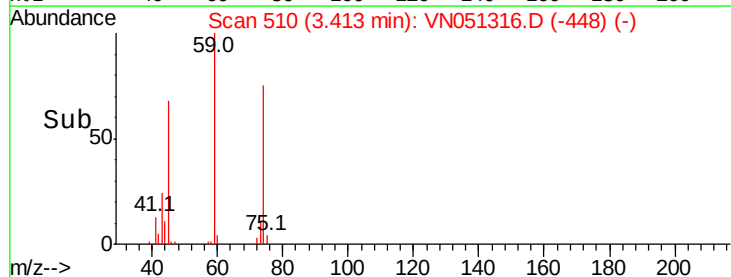
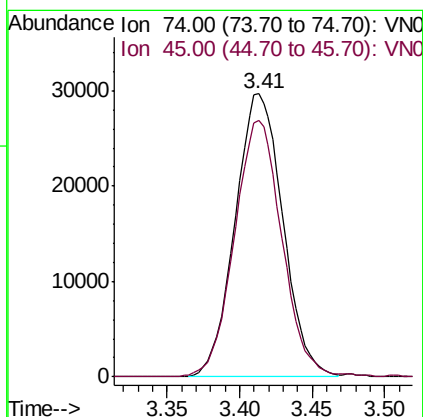
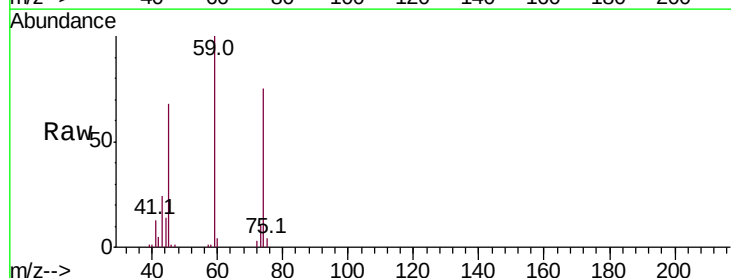
Tot Ion:101 Resp: 208040
 Ion Ratio Lower Upper
 101 100
 103 64.6 51.3 76.9

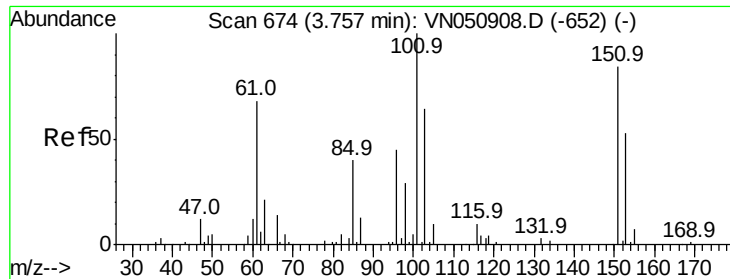


#8

Diethyl Ether
 Concen: 19.788 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN051316.D
 Acq: 19 Sep 2018 14:01

Tgt Ion: 74 Resp: 67973
 Ion Ratio Lower Upper
 74 100
 45 89.8 19.7 177.1

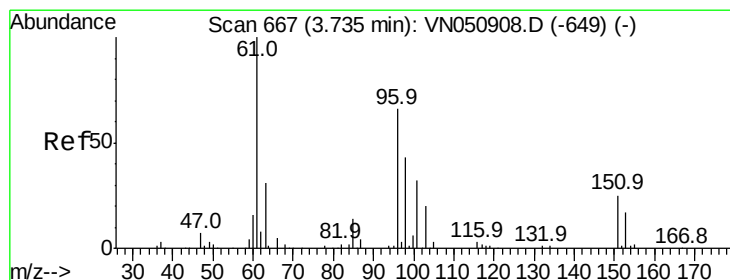
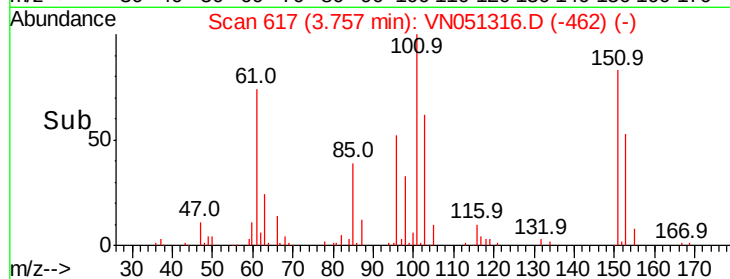
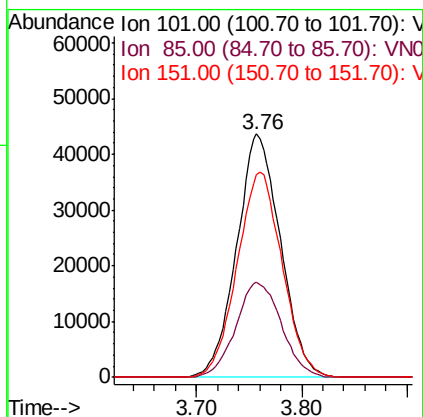
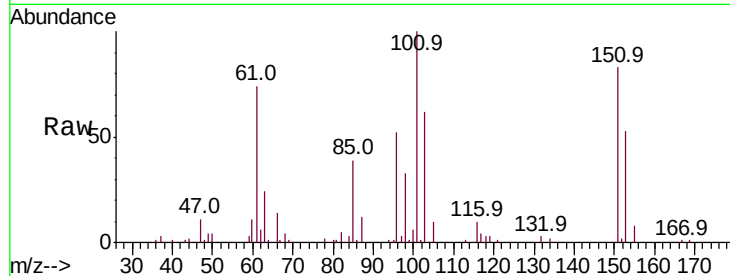




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.861 ug/l
 RT: 3.76 min Scan# 617
 Delta R.T. -0.00 min
 Lab File: VN051316.D
 Acq: 19 Sep 2018 14:01

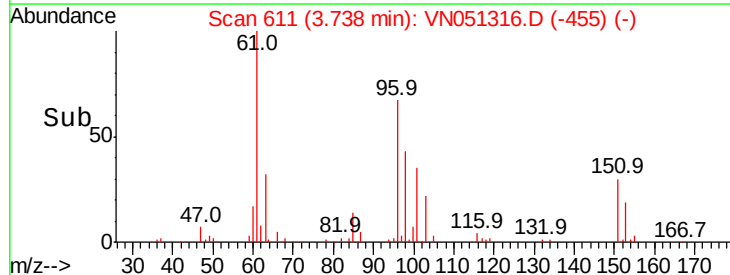
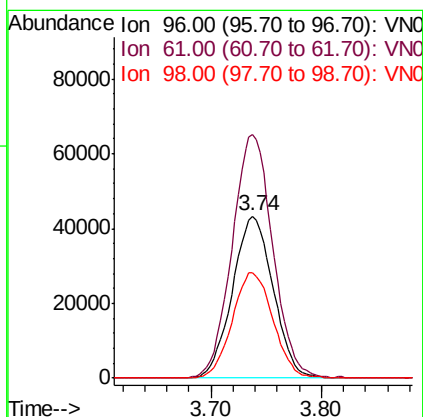
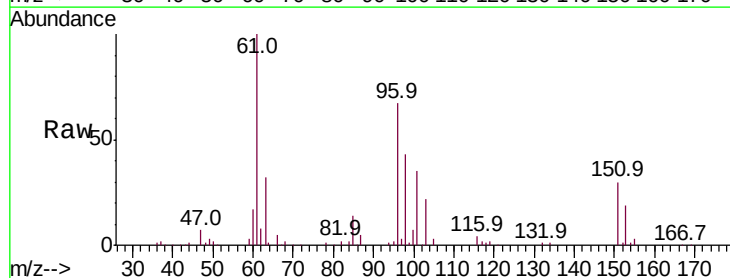
Instrument :
 MSVOA_N
 ClientSampled :

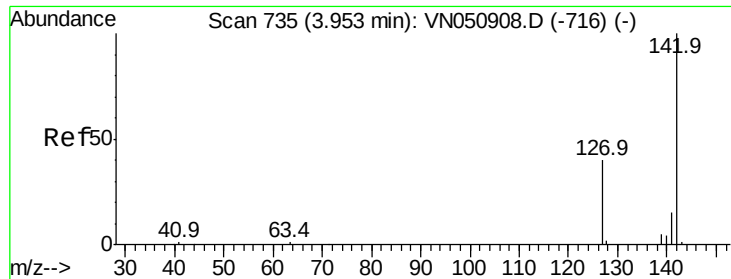
Tot Ion	Ratio	Lower	Upper
101	100		
85	40.6	0.0	83.6
151	86.7	0.0	167.0



#10
 1,1-Dichloroethene
 Concen: 20.226 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN051316.D
 Acq: 19 Sep 2018 14:01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	149.8	121.8	182.8
98	65.3	52.3	78.5

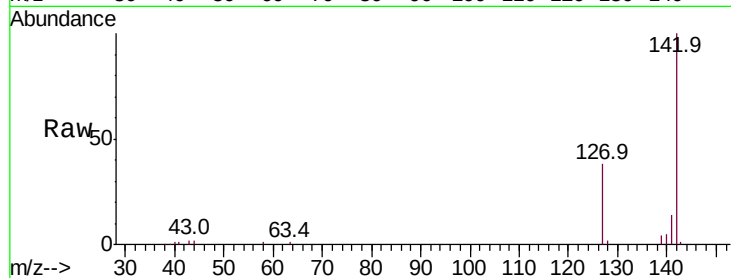




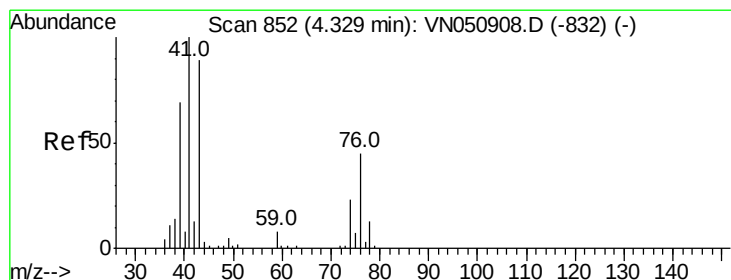
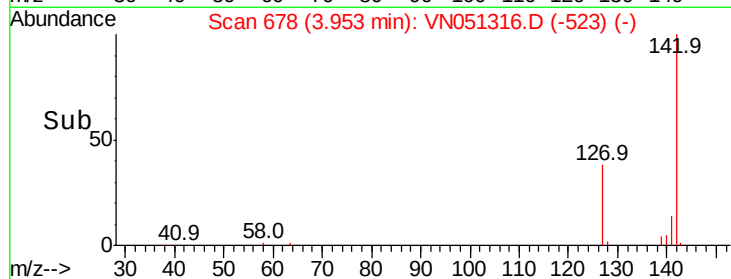
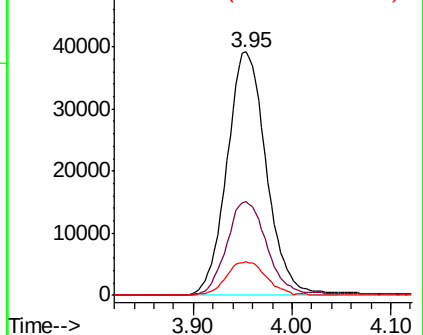
#11
Methvl Iodide
Concen: 21.345 ug/l
RT: 3.95 min Scan# 678
Delta R.T. -0.00 min
Lab File: VN051316.D
Acq: 19 Sep 2018 14:01

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:142 Resp: 109150
Ion Ratio Lower Upper
142 100
127 38.1 19.7 59.1
141 13.7 7.3 22.0

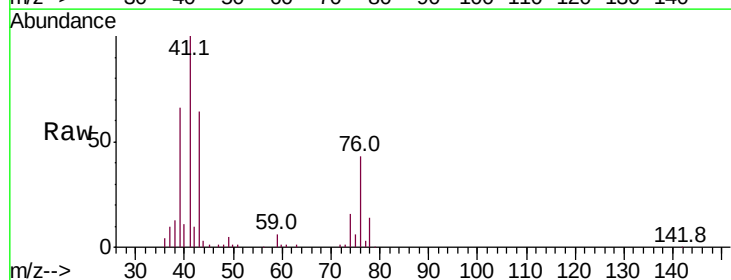


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

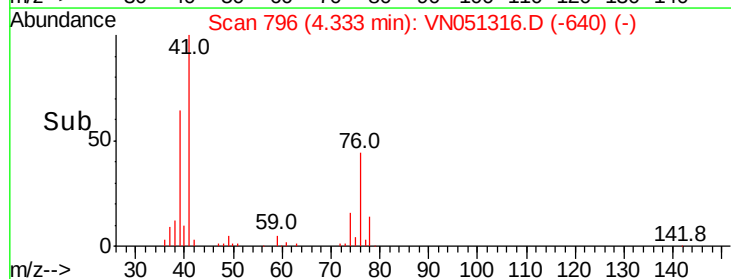
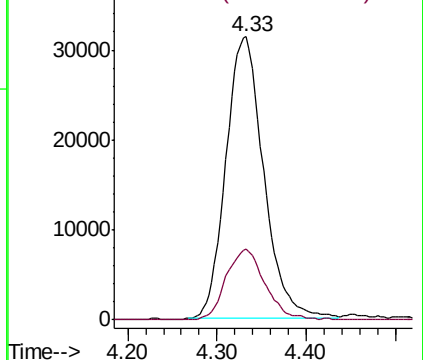


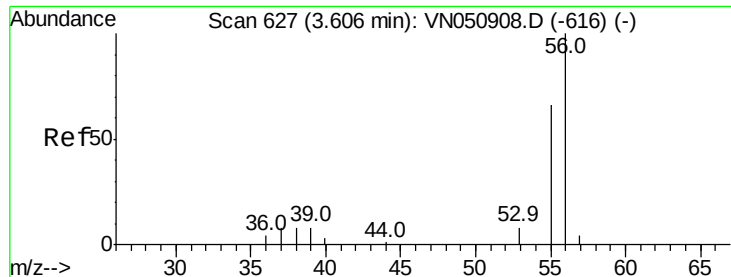
#12
Methyl Acetate
Concen: 14.510 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN051316.D
Acq: 19 Sep 2018 14:01

Tgt Ion: 43 Resp: 91956
Ion Ratio Lower Upper
43 100
74 25.3 20.6 31.0



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





#13

Acrolein

Concen: 228.760 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.01 min

Lab File: VN051316.D

Acq: 19 Sep 2018 14:01

Instrument :

MSVOA_N

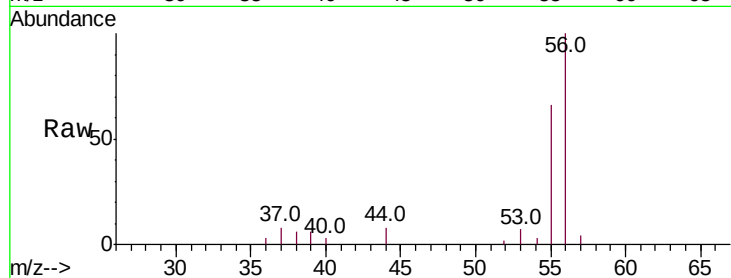
ClientSampled :

Tot Ion: 56 Resp: 32102

Ion Ratio Lower Upper

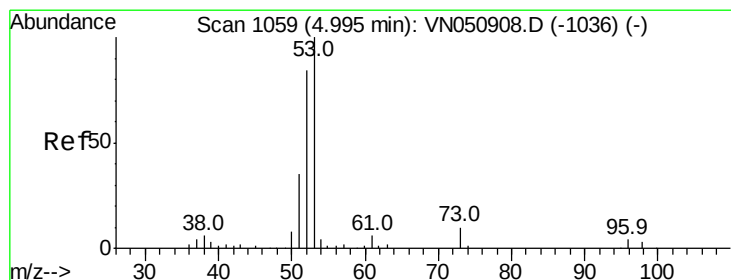
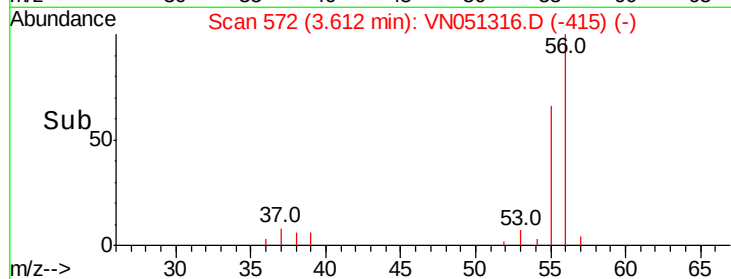
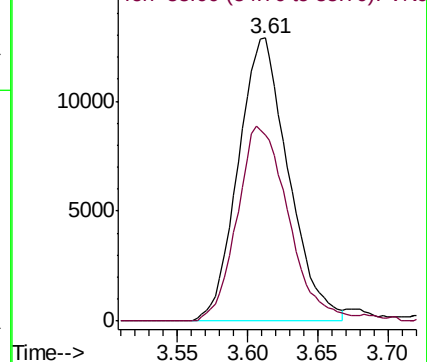
56 100

55 70.3 59.1 88.7



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 86.701 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. -0.00 min

Lab File: VN051316.D

Acq: 19 Sep 2018 14:01

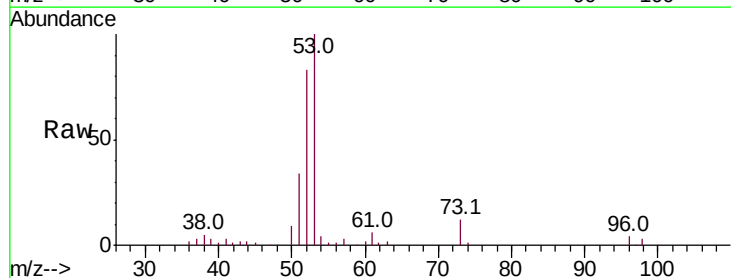
Tgt Ion: 53 Resp: 185776

Ion Ratio Lower Upper

53 100

52 84.0 42.2 126.6

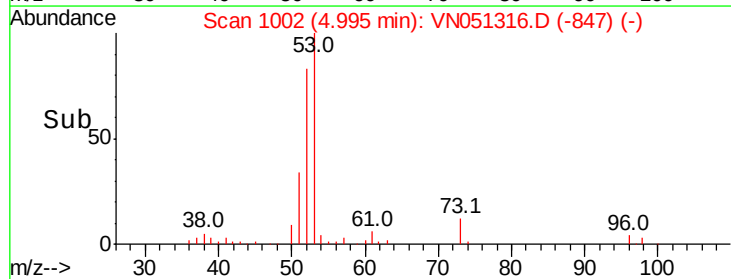
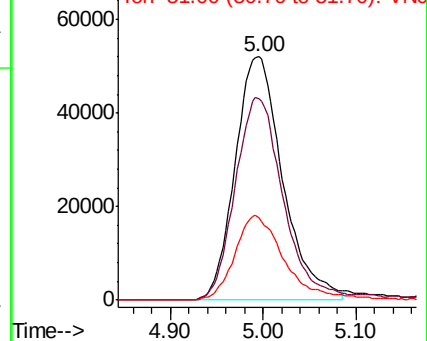
51 35.8 17.7 53.1

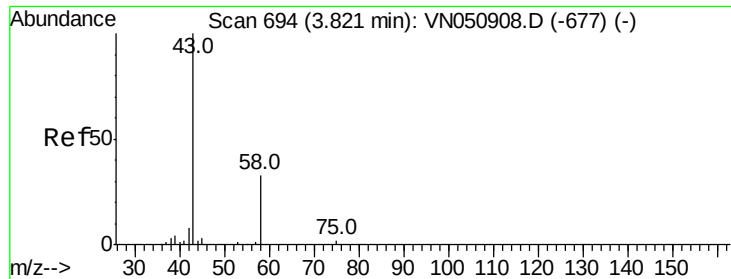


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 83.704 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.00 min

Lab File: VN051316.D

Acq: 19 Sep 2018 14:01

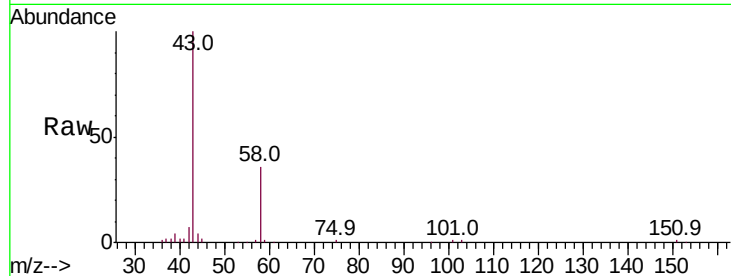
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 58 Resp: 45895

Ion Ratio Lower Upper

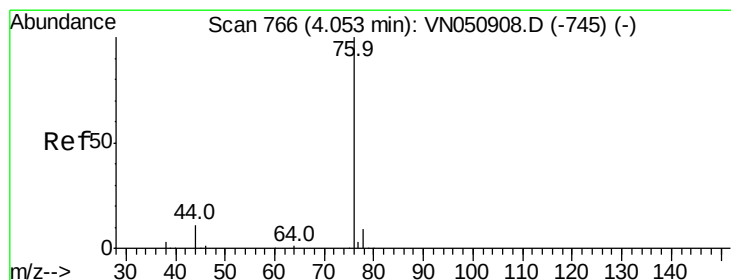
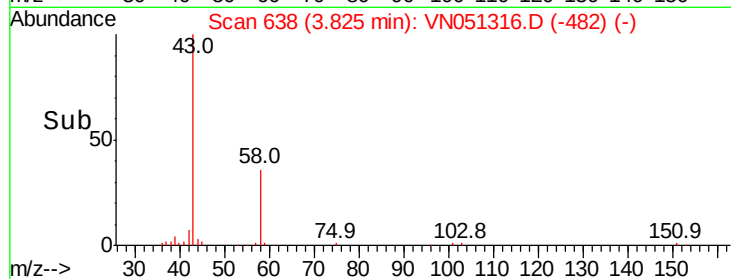
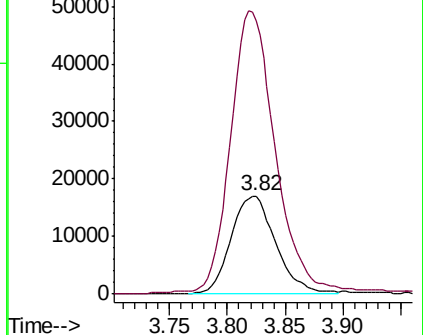
58 100

43 275.8 239.4 359.0



Abundance Ion 58.00 (57.70 to 58.70): VN051316.D (-482) (-)

Ion 43.00 (42.70 to 43.70): VN051316.D (-482) (-)



#16

Carbon Disulfide

Concen: 19.996 ug/l

RT: 4.05 min Scan# 709

Delta R.T. -0.00 min

Lab File: VN051316.D

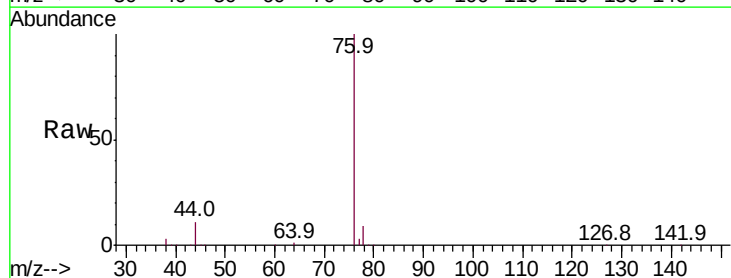
Acq: 19 Sep 2018 14:01

Tgt Ion: 76 Resp: 329520

Ion Ratio Lower Upper

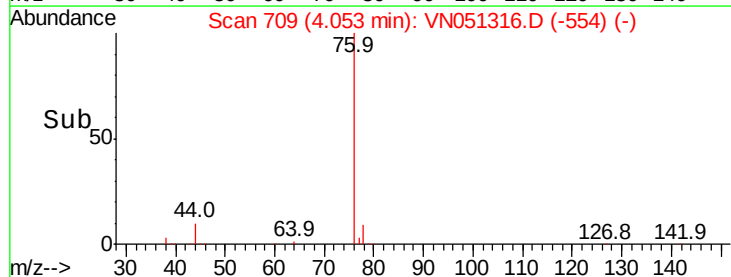
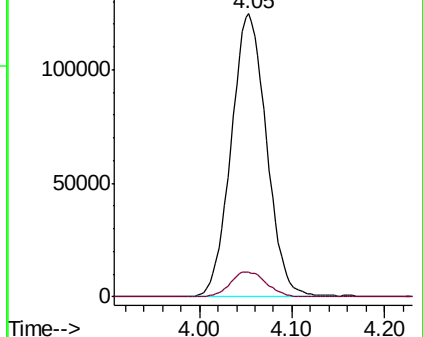
76 100

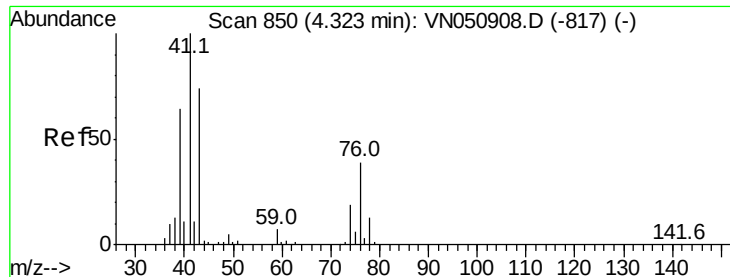
78 8.7 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN051316.D (-554) (-)

Ion 78.00 (77.70 to 78.70): VN051316.D (-554) (-)

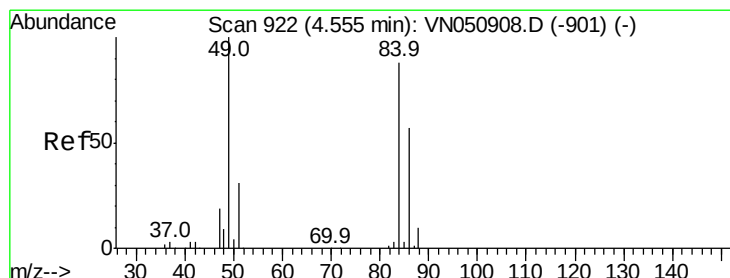
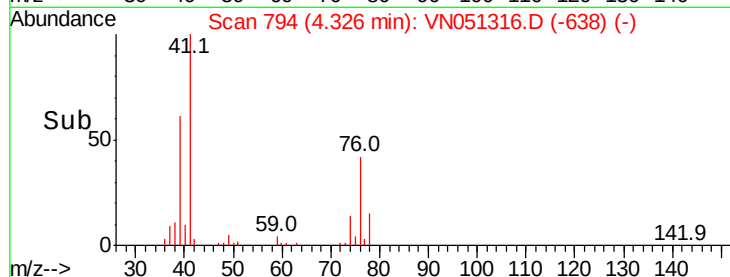
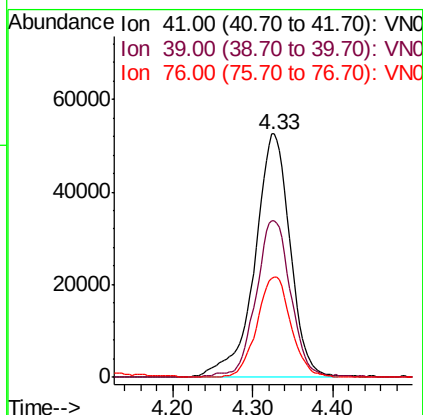
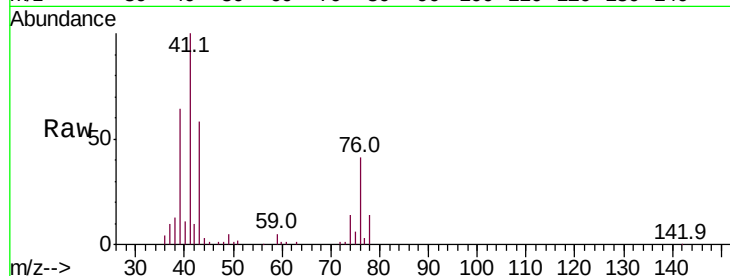




#17
Allvl chloride
Concen: 18.598 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN051316.D
Acq: 19 Sep 2018 14:01

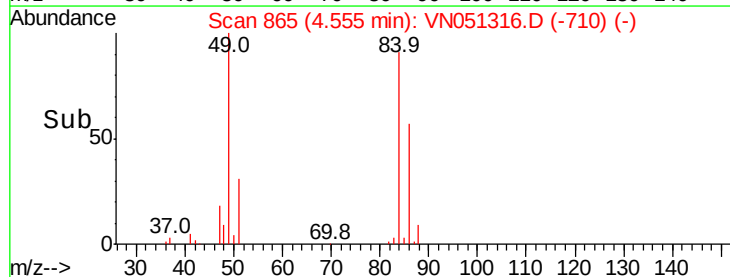
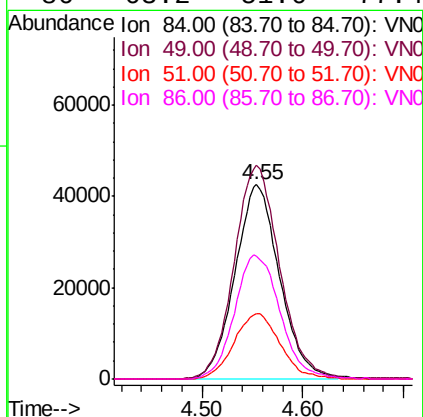
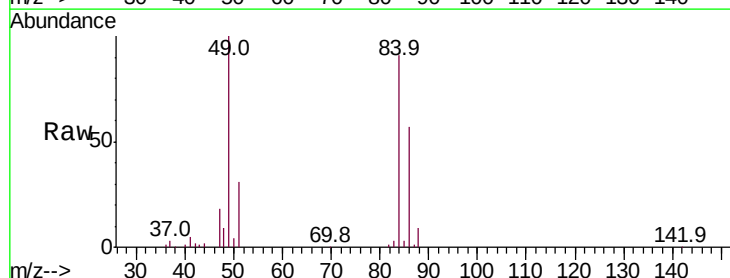
Instrument :
MSVOA_N
ClientSampleId :

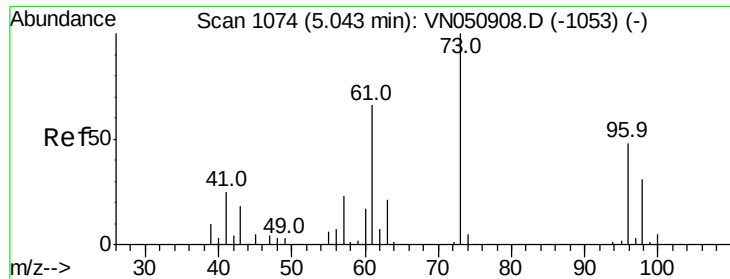
Tot Ion: 41 Resp: 160383
Ion Ratio Lower Upper
41 100
39 64.3 32.2 96.6
76 40.8 19.6 58.7



#18
Methylene Chloride
Concen: 20.343 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN051316.D
Acq: 19 Sep 2018 14:01

Tgt Ion: 84 Resp: 130863
Ion Ratio Lower Upper
84 100
49 109.4 90.6 135.8
51 33.7 28.4 42.6
86 63.2 51.6 77.4

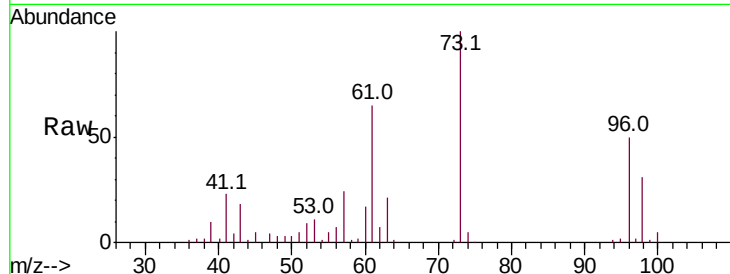




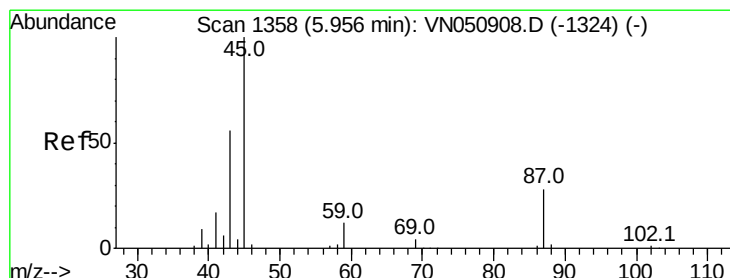
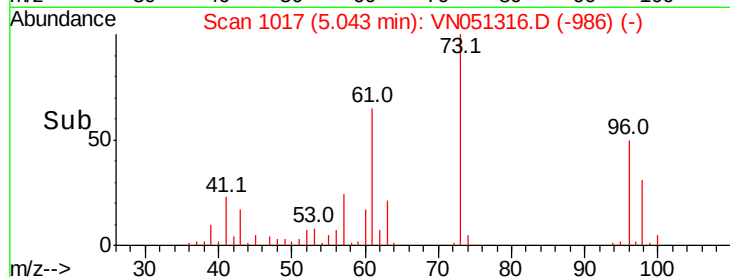
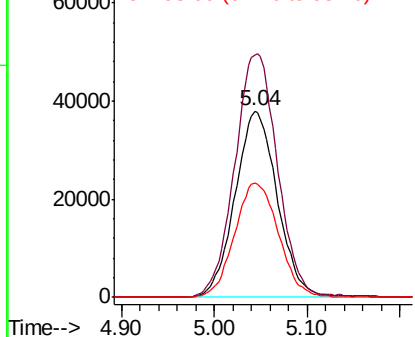
#19
trans-1,2-Dichloroethene
Concen: 20.503 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN051316.D
Acq: 19 Sep 2018 14:01

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 119721
Ion Ratio Lower Upper
96 100
61 130.5 109.5 164.3
98 61.6 51.9 77.9

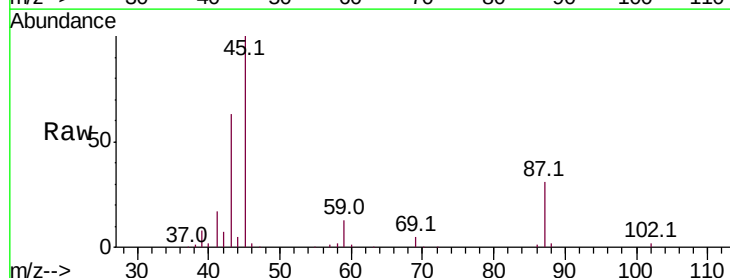


Abundance Ion 96.00 (95.70 to 96.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 98.00 (97.70 to 98.70): VNO

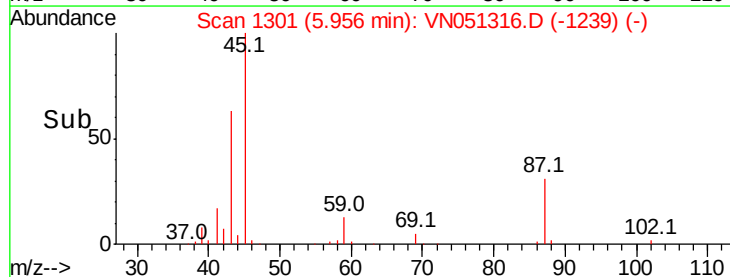
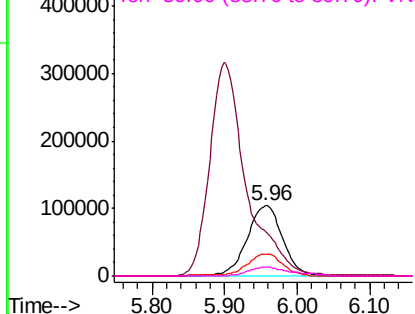


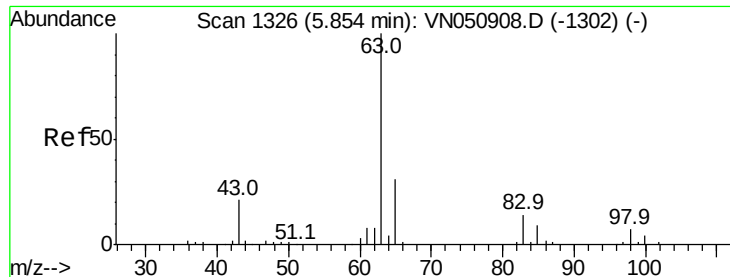
#20
Diisopropyl ether
Concen: 19.775 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. -0.00 min
Lab File: VN051316.D
Acq: 19 Sep 2018 14:01

Tgt Ion: 45 Resp: 353973
Ion Ratio Lower Upper
45 100
43 61.1 47.0 70.6
87 31.5 22.8 34.2
59 12.2 9.5 14.3



Abundance Ion 45.00 (44.70 to 45.70): VNO
Ion 43.00 (42.70 to 43.70): VNO
Ion 87.00 (86.70 to 87.70): VNO
Ion 59.00 (58.70 to 59.70): VNO

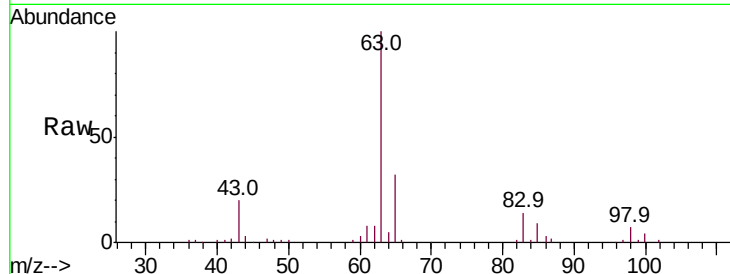




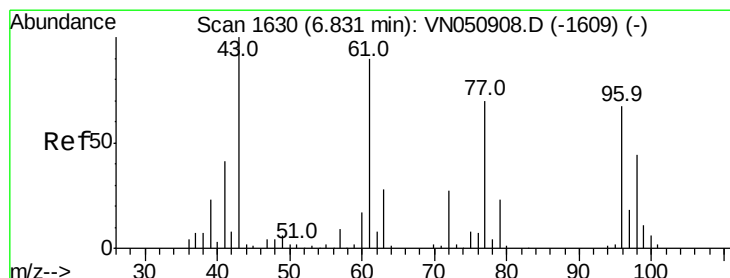
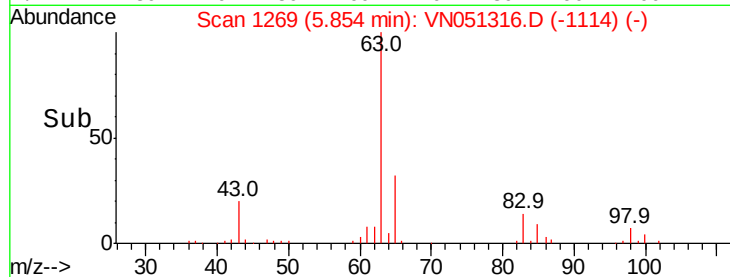
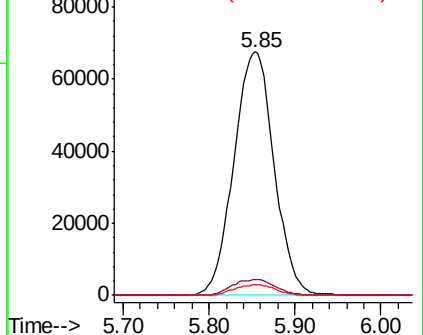
#21
 1,1-Dichloroethane
 Concen: 19.951 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VN051316.D
 Acq: 19 Sep 2018 14:01

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.3	9.9
100	4.4	2.0	6.0

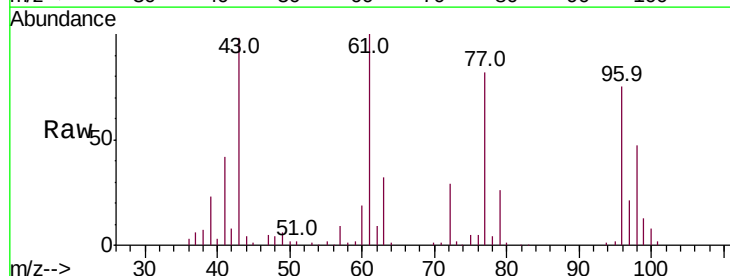


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

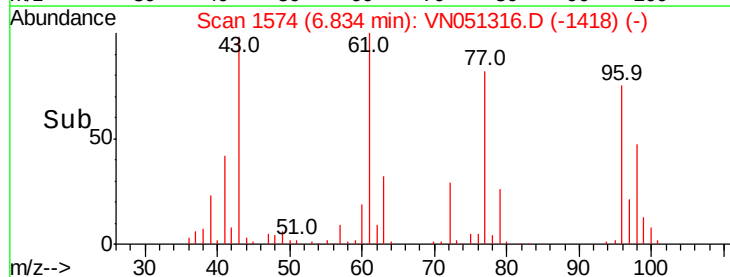
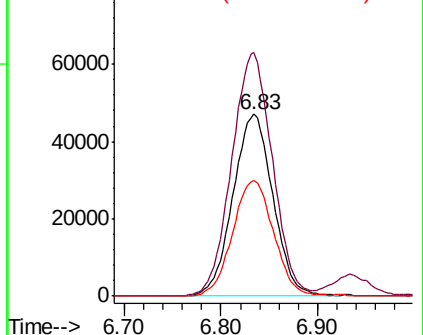


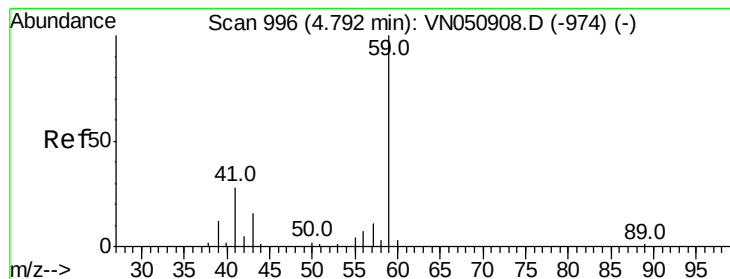
#22
 cis-1,2-Dichloroethene
 Concen: 20.542 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: VN051316.D
 Acq: 19 Sep 2018 14:01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	135.9	110.0	165.0
98	65.0	51.7	77.5



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



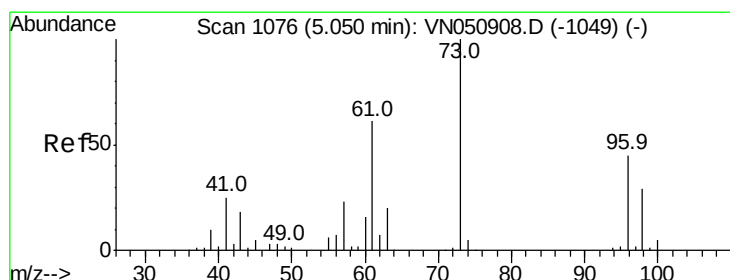
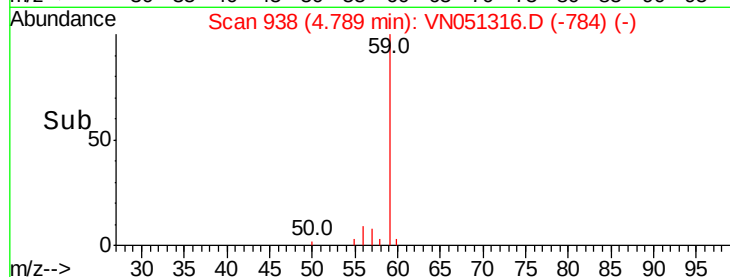
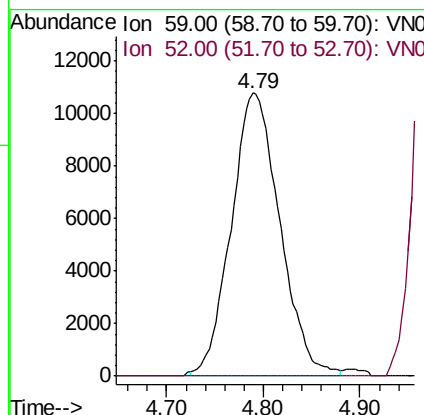
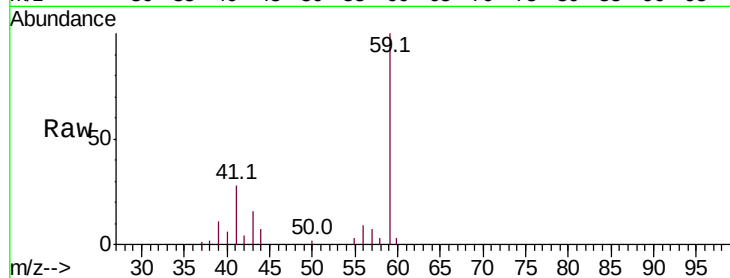


#23

tert-Butyl Alcohol
 Concen: 82.679 ug/l
 RT: 4.79 min Scan# 938
 Delta R.T. -0.00 min
 Lab File: VN051316.D
 Acq: 19 Sep 2018 14:01

Instrument :
 MSVOA_N
 ClientSampleId :

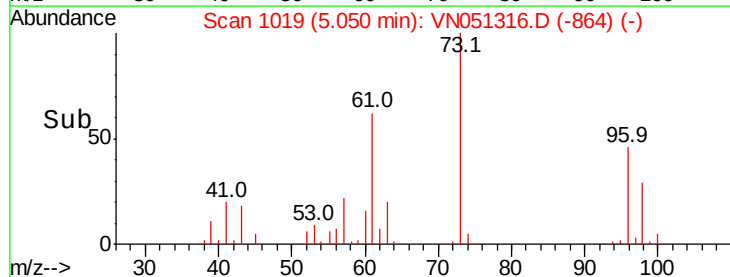
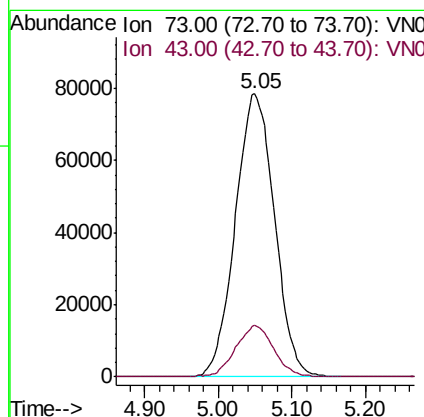
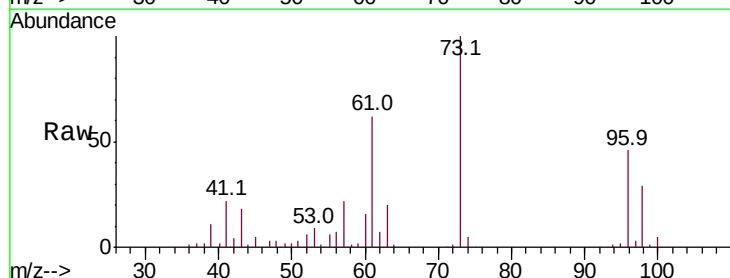
Tot Ion: 59 Resp: 37676
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.1 0.1#

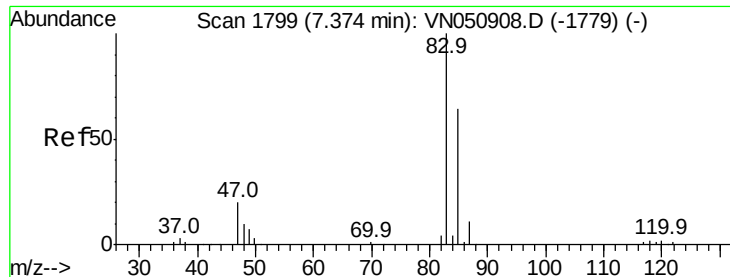


#24

Methyl tert-Butyl Ether
 Concen: 19.380 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VN051316.D
 Acq: 19 Sep 2018 14:01

Tgt Ion: 73 Resp: 290506
 Ion Ratio Lower Upper
 73 100
 43 17.3 14.4 21.6





#25

Chloroform

Concen: 21.146 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VN051316.D

Acq: 19 Sep 2018 14:01

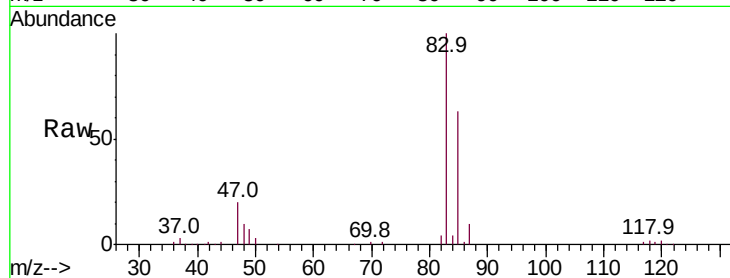
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 231640

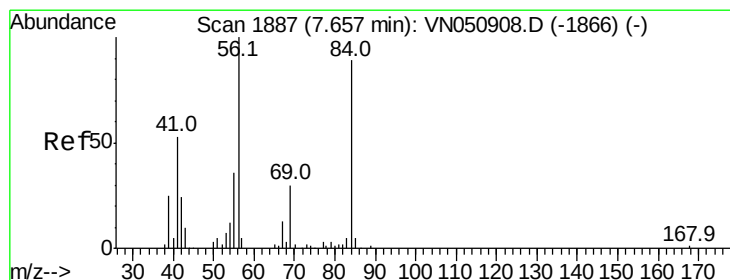
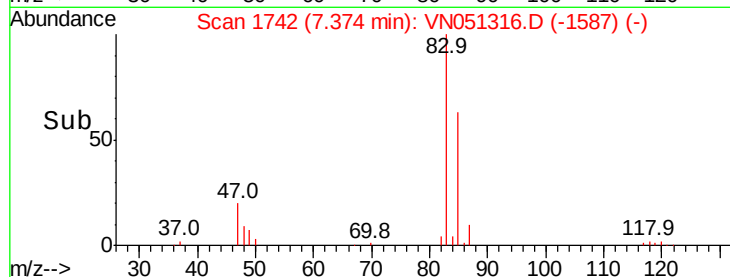
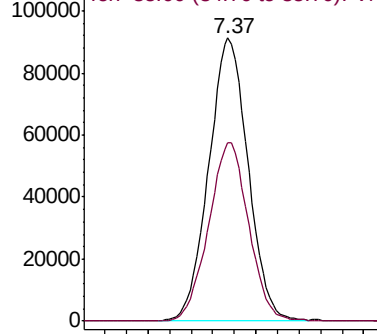
Ion Ratio Lower Upper

83 100

85 63.1 51.4 77.0



Abundance Ion 83.00 (82.70 to 83.70): VNO
Ion 85.00 (84.70 to 85.70): VNO



#26

Cyclohexane

Concen: 19.646 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN051316.D

Acq: 19 Sep 2018 14:01

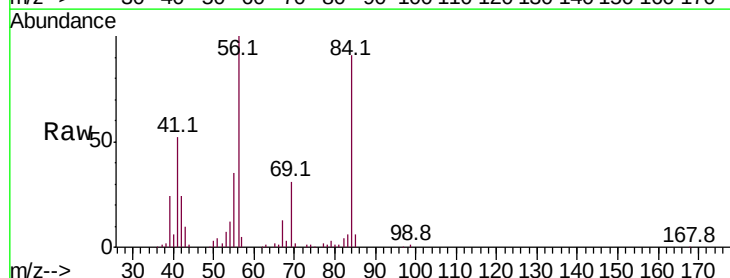
Tgt Ion: 56 Resp: 178637

Ion Ratio Lower Upper

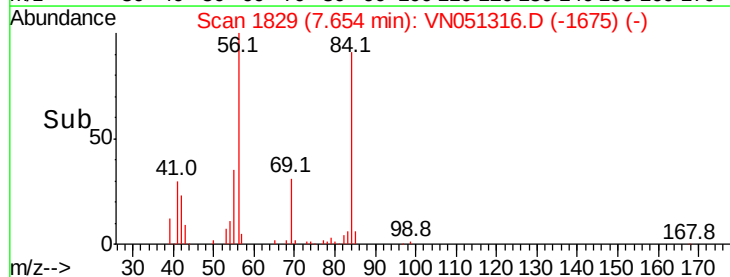
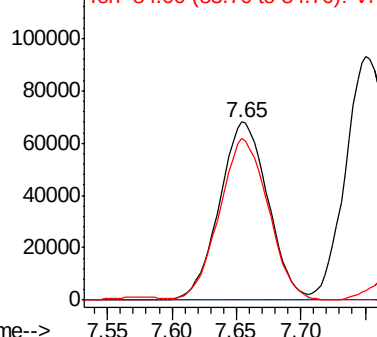
56 100

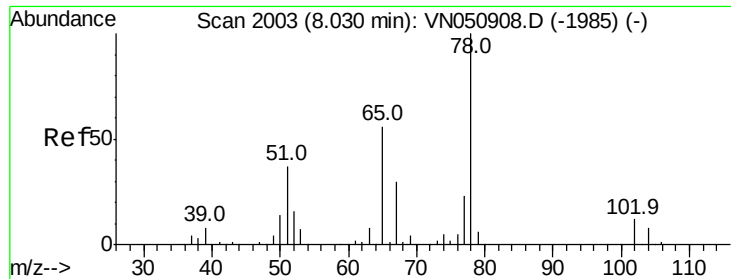
89 0.1 0.4 0.6#

84 91.6 70.4 105.6



Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 89.00 (88.70 to 89.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

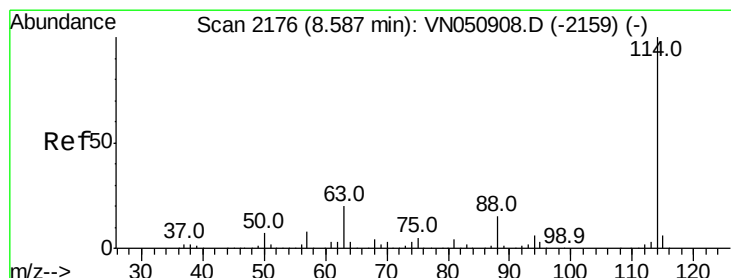
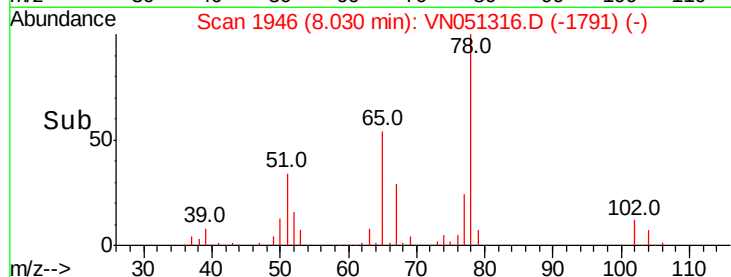
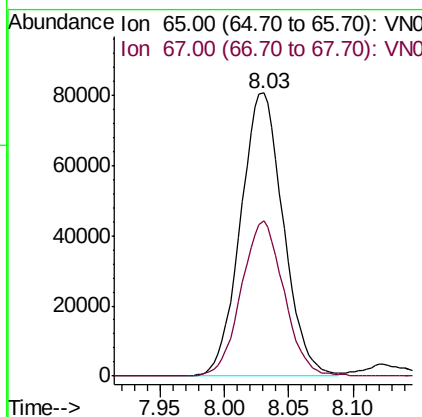
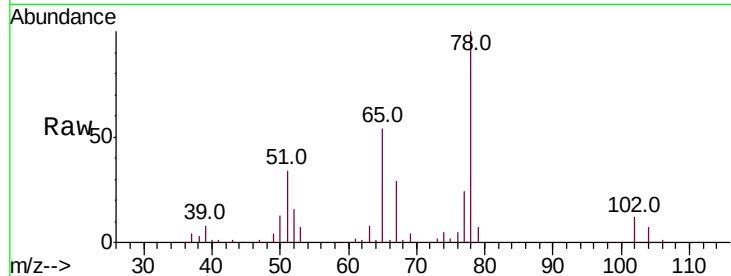




#27
 1,2-Dichloroethane-d4
 Concen: 28.819 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. -0.00 min
 Lab File: VN051316.D
 Acq: 19 Sep 2018 14:01

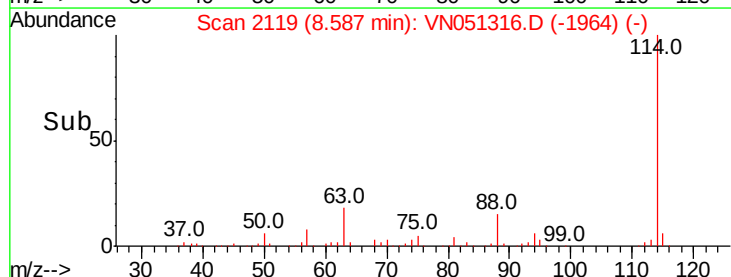
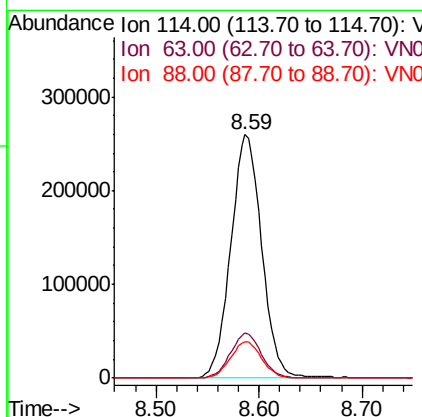
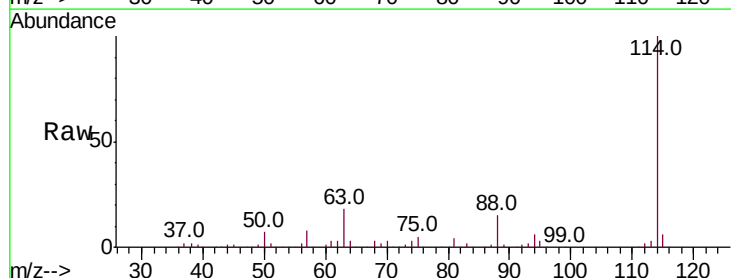
Instrument :
 MSVOA_N
 ClientSampled :

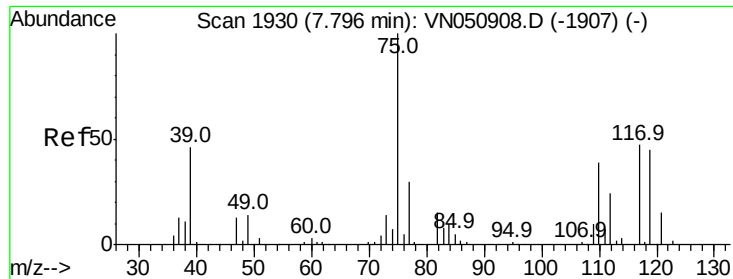
Tot Ion: 65 Resp: 186530
 Ion Ratio Lower Upper
 65 100
 67 54.6 43.7 65.5



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051316.D
 Acq: 19 Sep 2018 14:01

Tgt Ion:114 Resp: 542347
 Ion Ratio Lower Upper
 114 100
 63 18.5 15.6 23.4
 88 15.3 12.2 18.4





#29

1,1-Dichloropropene

Concen: 20.479 ug/l

RT: 7.80 min Scan# 1873

Delta R.T. -0.00 min

Lab File: VN051316.D

Acq: 19 Sep 2018 14:01

Instrument :

MSVOA_N

ClientSampled :

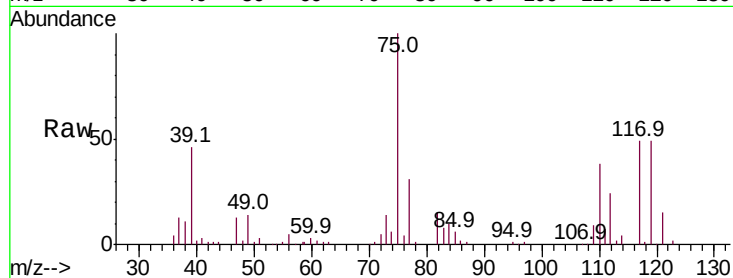
Tot Ion: 75 Resp: 166277

Ion Ratio Lower Upper

75 100

110 38.0 0.0 75.0

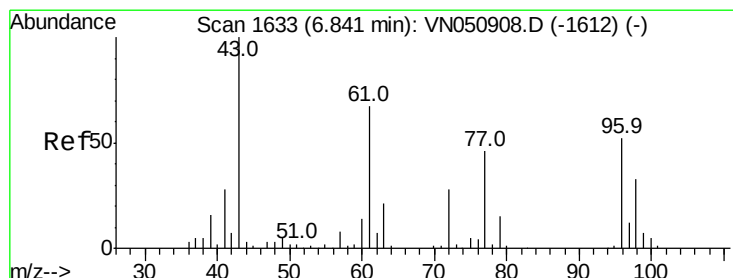
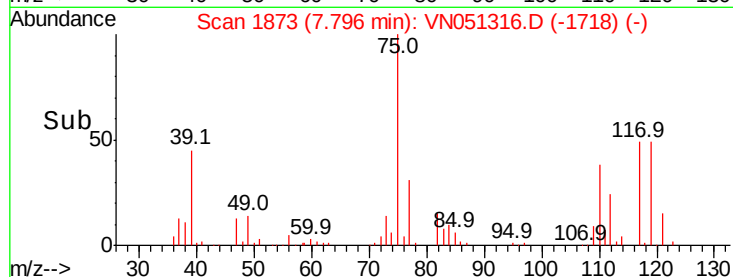
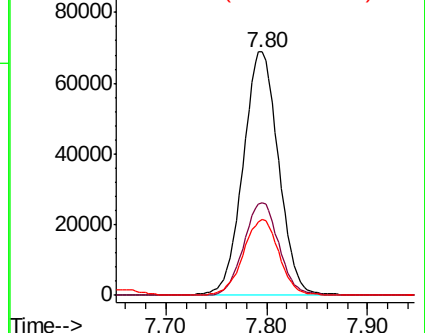
77 31.8 0.0 60.6



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 110.00 (109.70 to 110.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#30

2-Butanone

Concen: 78.523 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. -0.00 min

Lab File: VN051316.D

Acq: 19 Sep 2018 14:01

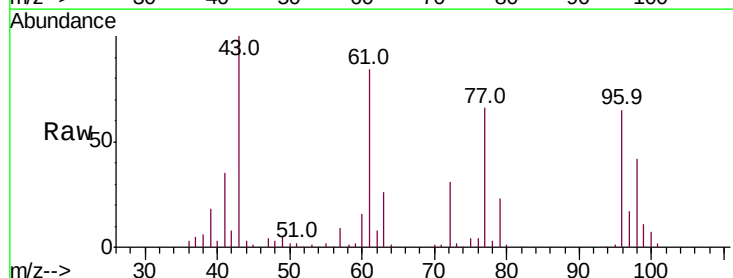
Tgt Ion: 43 Resp: 196136

Ion Ratio Lower Upper

43 100

57 8.7 6.9 10.3

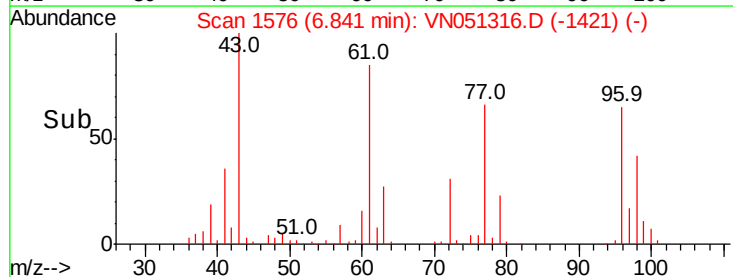
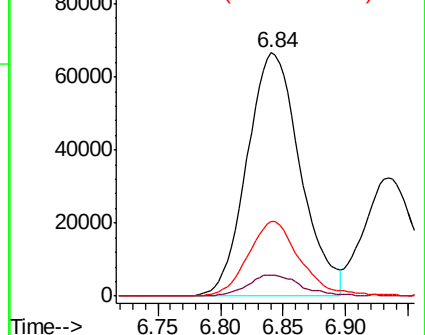
72 30.0 22.8 34.2

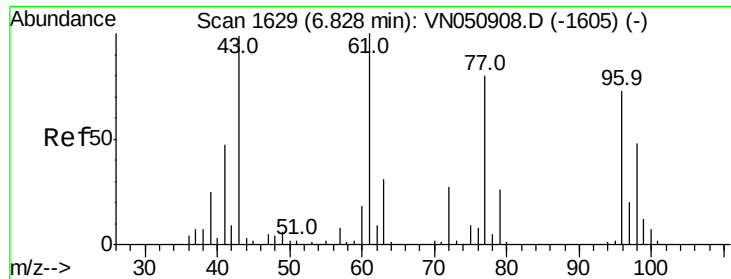


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

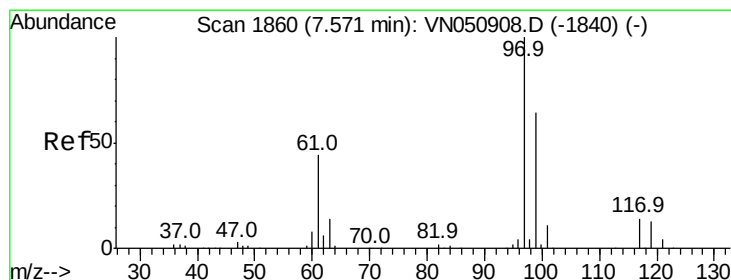
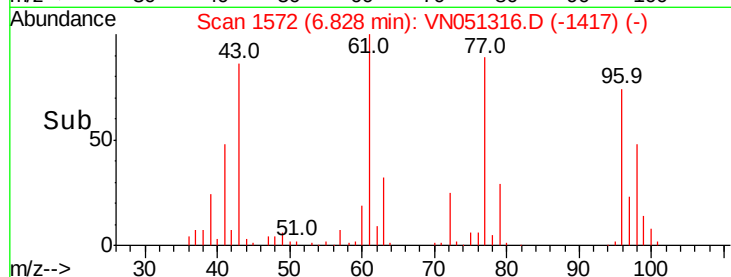
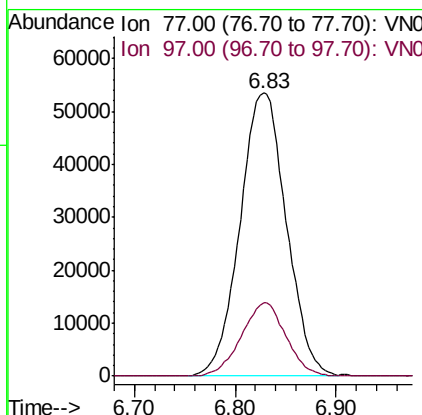
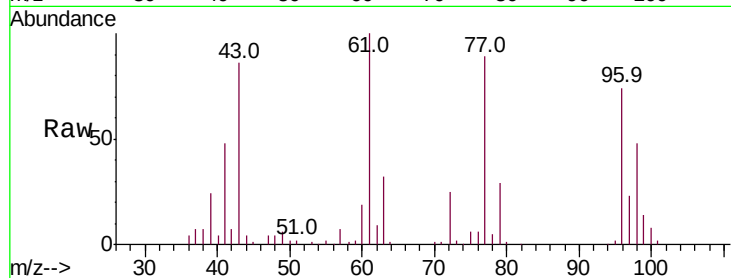




#31
 2,2-Dichloropropane
 Concen: 21.596 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VN051316.D
 Acq: 19 Sep 2018 14:01

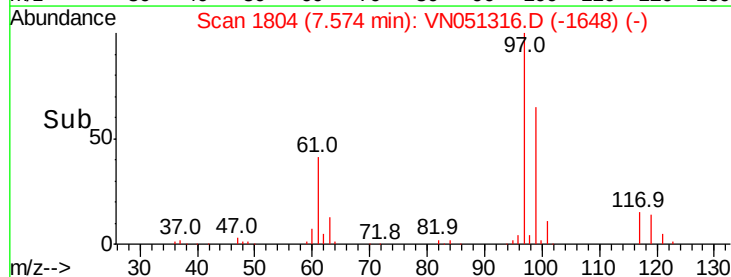
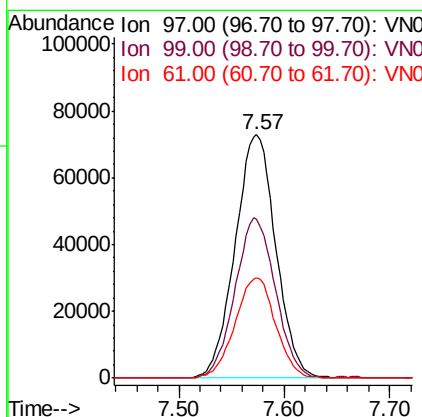
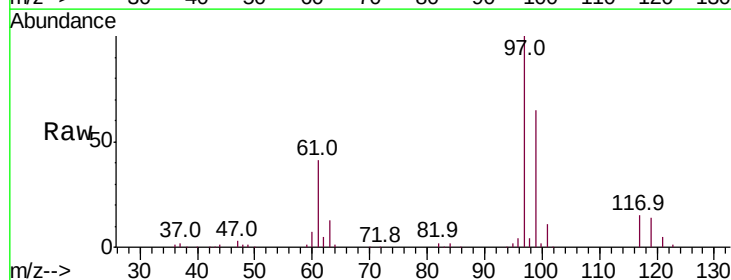
Instrument :
 MSVOA_N
 ClientSampleId :

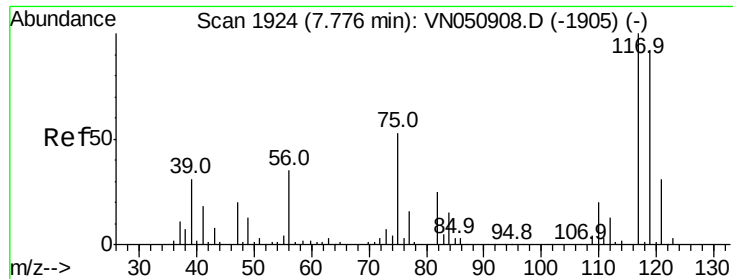
Tot Ion: 77 Resp: 170618
 Ion Ratio Lower Upper
 77 100
 97 24.8 20.2 30.2



#32
 1,1,1-Trichloroethane
 Concen: 21.239 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN051316.D
 Acq: 19 Sep 2018 14:01

Tgt Ion: 97 Resp: 195558
 Ion Ratio Lower Upper
 97 100
 99 65.3 52.0 78.0
 61 41.0 35.0 52.6

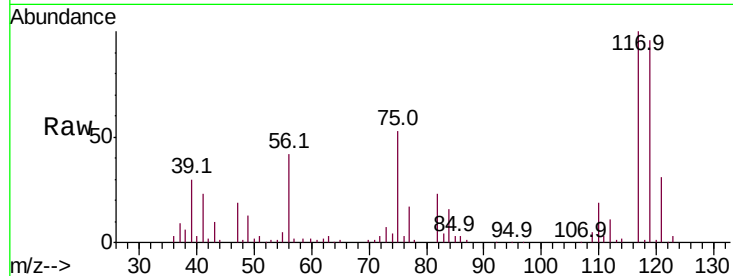




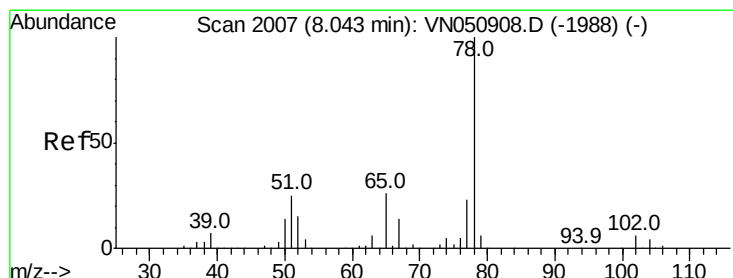
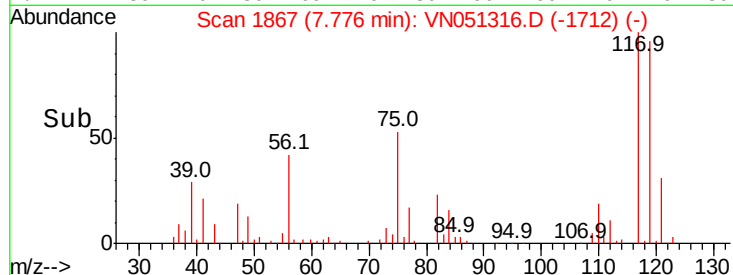
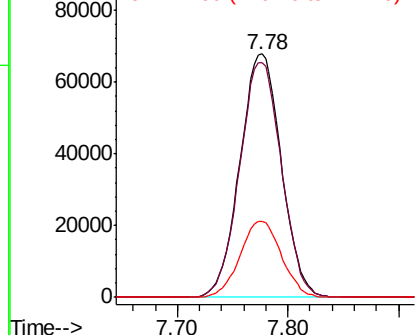
#33
Carbon Tetrachloride
Concen: 21.324 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN051316.D
Acq: 19 Sep 2018 14:01

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 176816
Ion Ratio Lower Upper
117 100
119 96.3 73.5 110.3
121 31.1 24.6 37.0

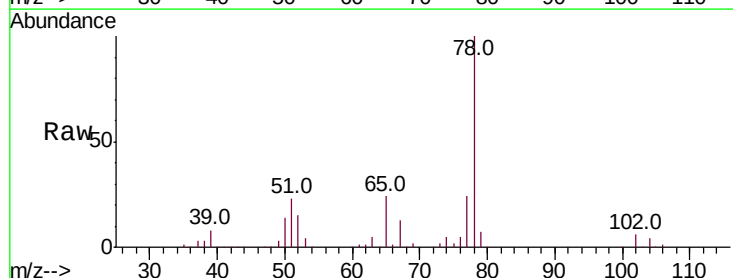


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

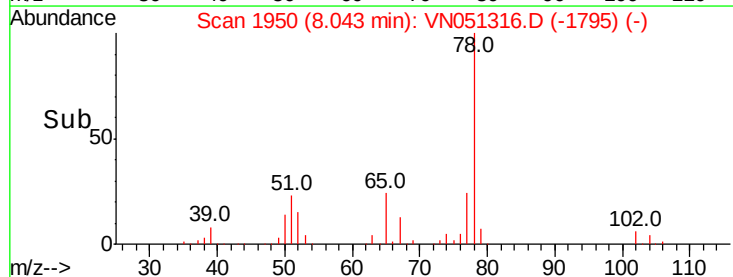
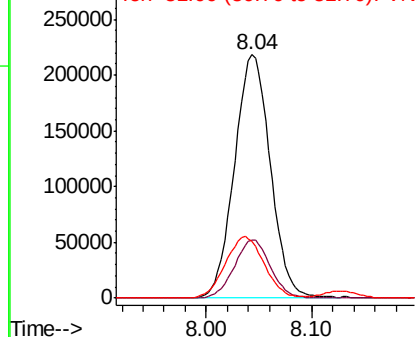


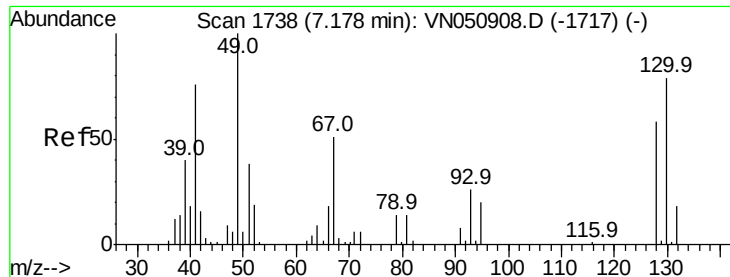
#34
Benzene
Concen: 20.586 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051316.D
Acq: 19 Sep 2018 14:01

Tgt Ion: 78 Resp: 517071
Ion Ratio Lower Upper
78 100
77 23.9 18.6 28.0
51 23.0 20.0 30.0



Abundance Ion 78.10 (77.80 to 78.80): V
Ion 77.00 (76.70 to 77.70): V
Ion 51.00 (50.70 to 51.70): V

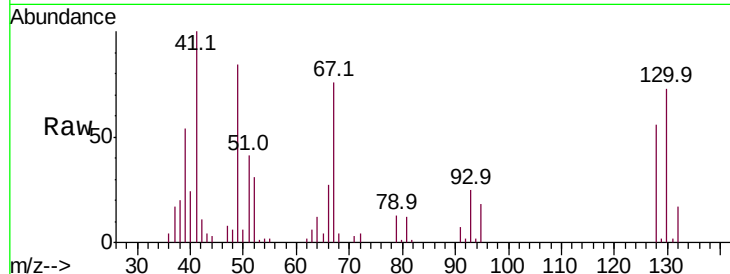




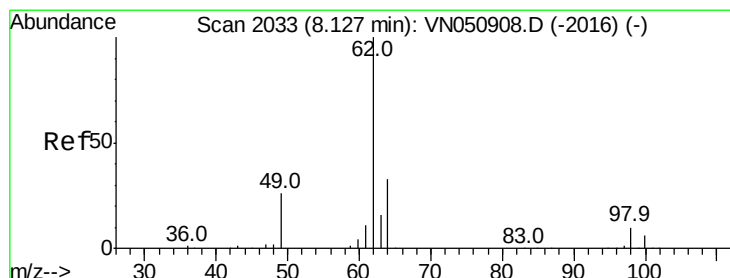
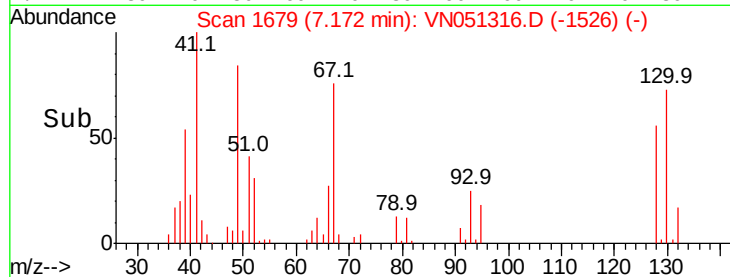
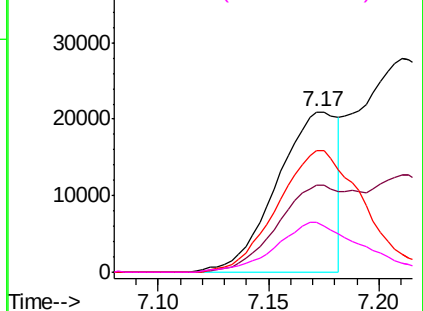
#35
Methacrylonitrile
Concen: 14.666 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.01 min
Lab File: VN051316.D
Acq: 19 Sep 2018 14:01

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 40134
Ion Ratio Lower Upper
41 100
39 54.0 26.2 78.5
67 76.0 33.9 101.6
52 31.1 12.5 37.5

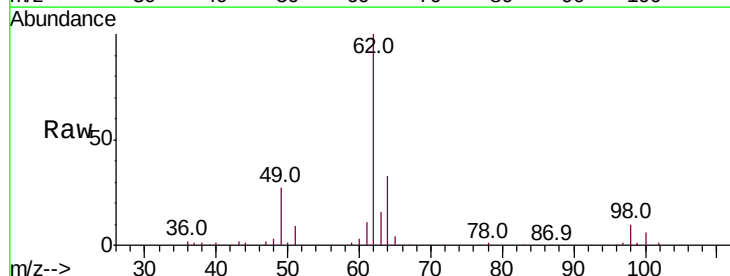


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

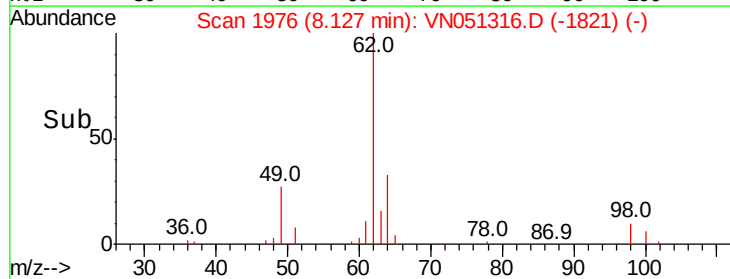
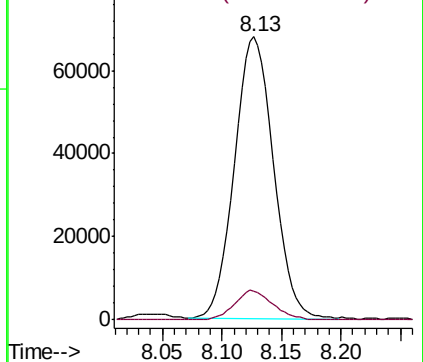


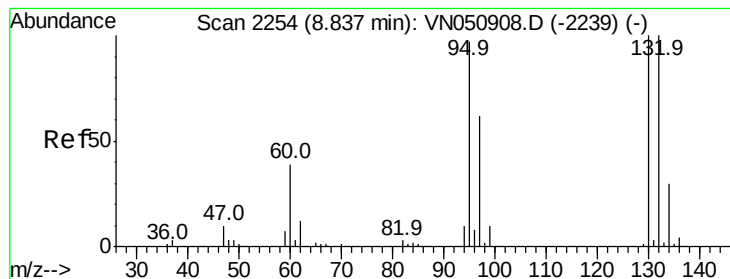
#36
1,2-Dichloroethane
Concen: 20.255 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN051316.D
Acq: 19 Sep 2018 14:01

Tgt Ion: 62 Resp: 153865
Ion Ratio Lower Upper
62 100
98 10.3 8.0 12.0



Abundance Ion 62.00 (61.70 to 62.70): VNC
Ion 98.00 (97.70 to 98.70): VNC





#37

Trichloroethene

Concen: 21.826 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VN051316.D

Acq: 19 Sep 2018 14:01

Instrument :

MSVOA_N

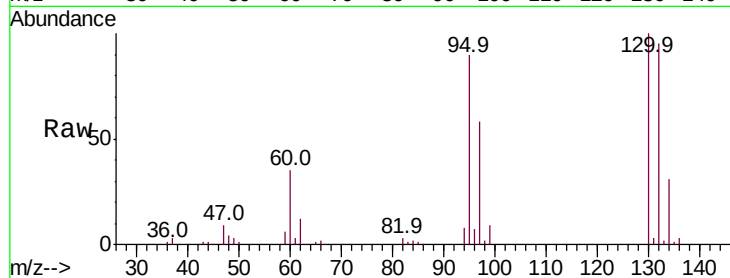
ClientSampleId :

Tot Ion:130 Resp: 143289

Ion Ratio Lower Upper

130 100

95 90.4 77.4 116.0



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.84

60000

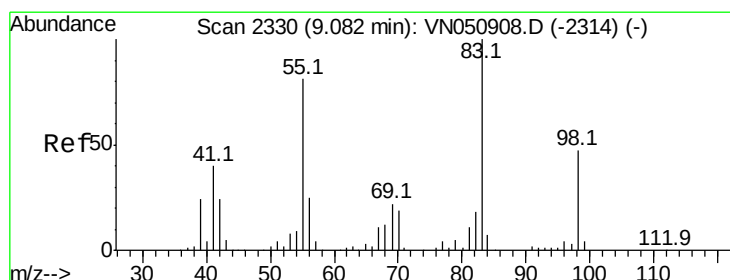
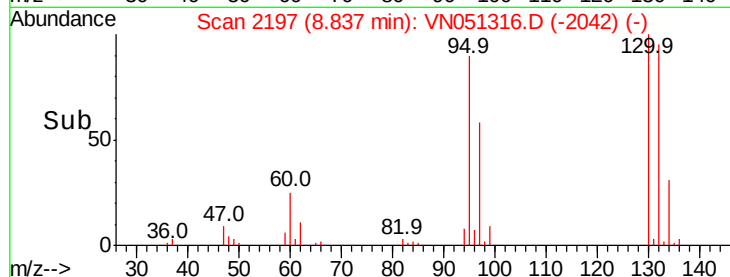
40000

20000

0

Time-->

8.75 8.80 8.85 8.90 8.95



#38

Methylcyclohexane

Concen: 20.622 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VN051316.D

Acq: 19 Sep 2018 14:01

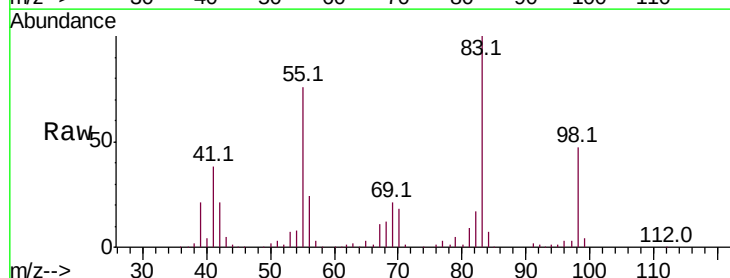
Tgt Ion: 83 Resp: 179830

Ion Ratio Lower Upper

83 100

55 74.3 38.9 116.7

98 46.6 22.9 68.7



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

9.08

120000

100000

80000

60000

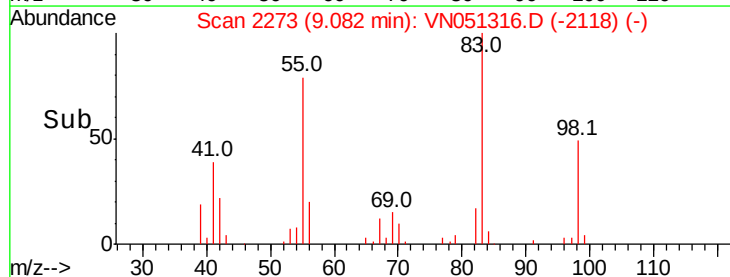
40000

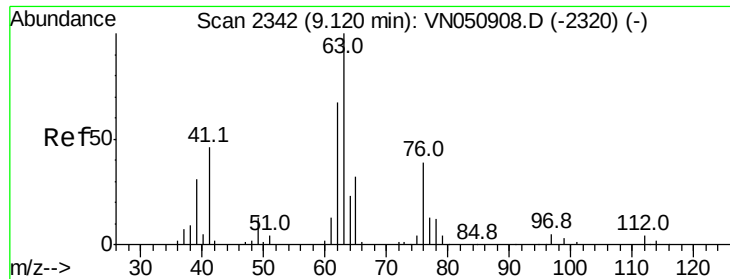
20000

0

Time-->

9.00 9.05 9.10 9.15 9.20

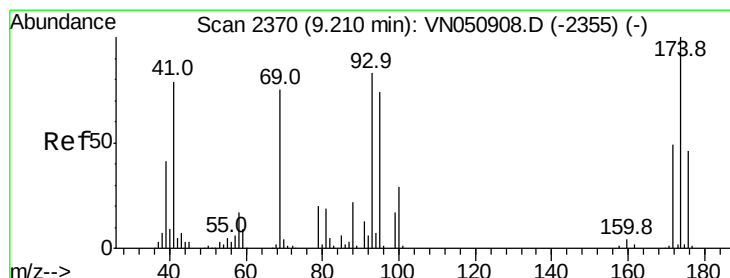
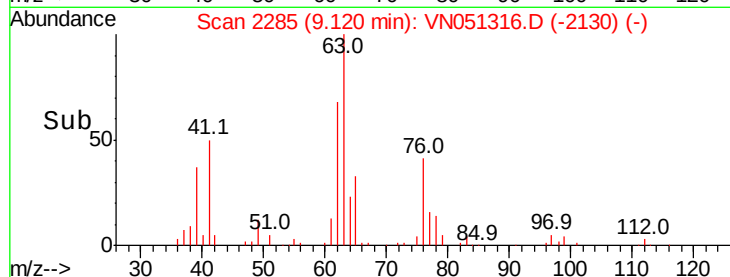
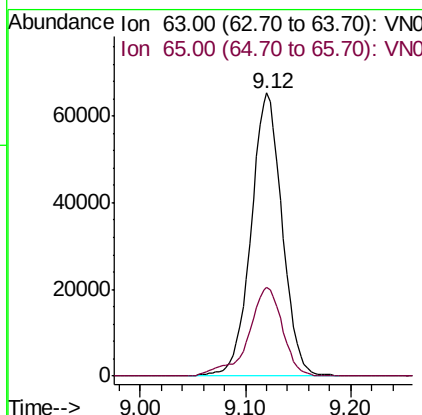
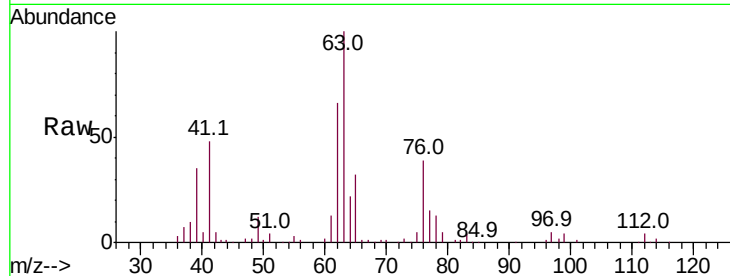




#39
 1,2-Dichloropropane
 Concen: 20.476 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN051316.D
 Acq: 19 Sep 2018 14:01

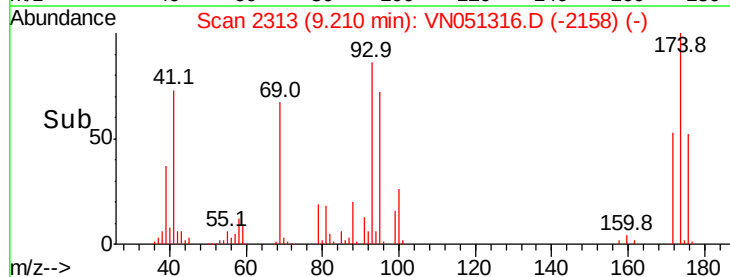
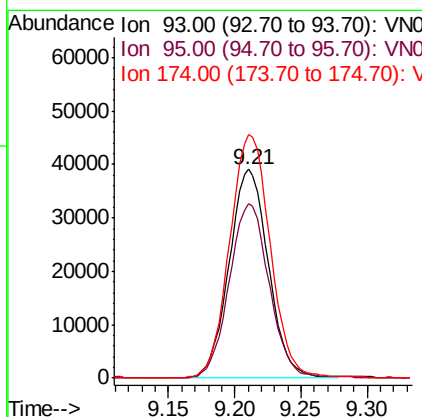
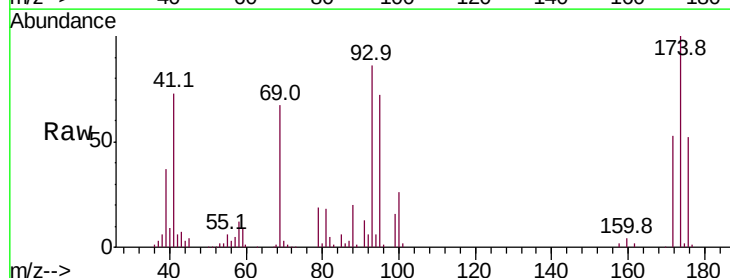
Instrument :
 MSVOA_N
 ClientSampleId :

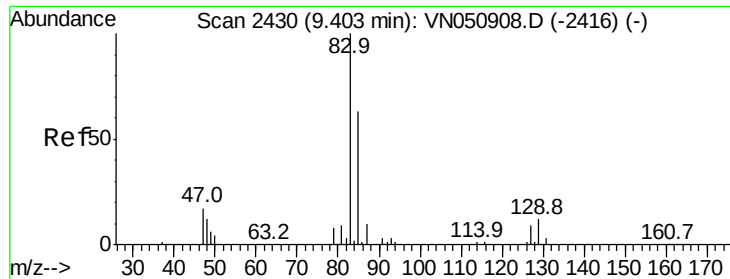
Tot Ion: 63 Resp: 134325
 Ion Ratio Lower Upper
 63 100
 65 31.6 25.6 38.4



#40
 Dibromomethane
 Concen: 20.398 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN051316.D
 Acq: 19 Sep 2018 14:01

Tgt Ion: 93 Resp: 80608
 Ion Ratio Lower Upper
 93 100
 95 84.9 0.0 173.4
 174 120.3 0.0 234.8





#41

Bromodichloromethane

Concen: 20.587 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051316.D

Acq: 19 Sep 2018 14:01

Instrument :

MSVOA_N

ClientSampled :

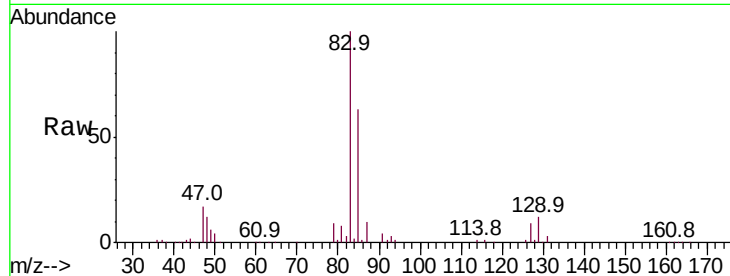
Tot Ion: 83 Resp: 171496

Ion Ratio Lower Upper

83 100

85 62.8 50.6 76.0

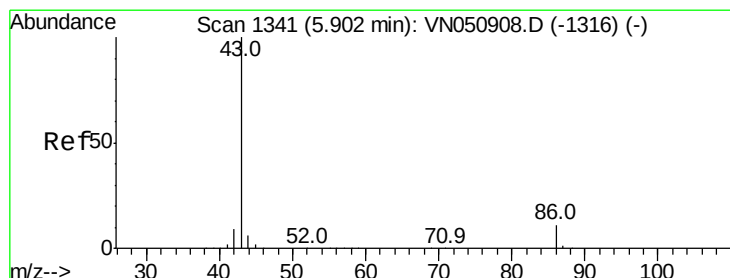
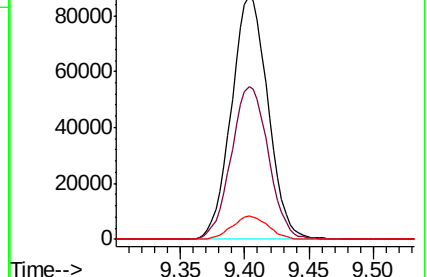
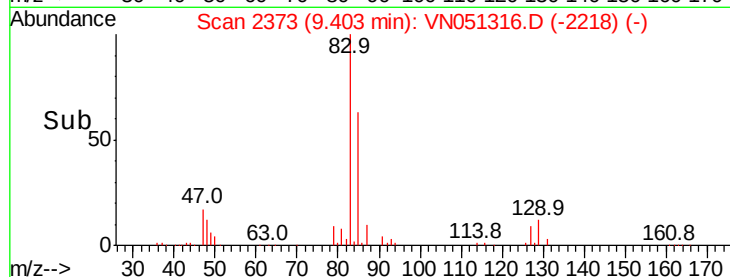
127 9.5 7.1 10.7



Abundance Ion 83.00 (82.70 to 83.70): VN051316.D (-2218) (-)

Ion 85.00 (84.70 to 85.70): VN051316.D (-2218) (-)

Ion 127.00 (126.70 to 127.70): VN051316.D (-2218) (-)



#42

Vinyl Acetate

Concen: 96.371 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN051316.D

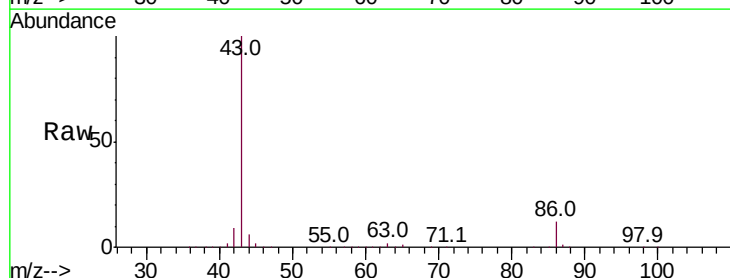
Acq: 19 Sep 2018 14:01

Tgt Ion: 43 Resp: 1108761

Ion Ratio Lower Upper

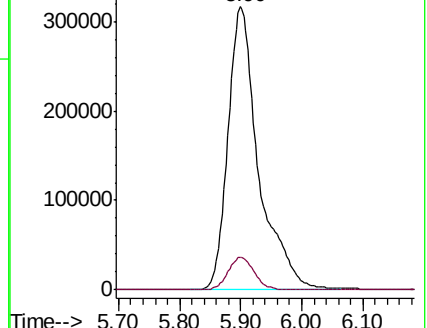
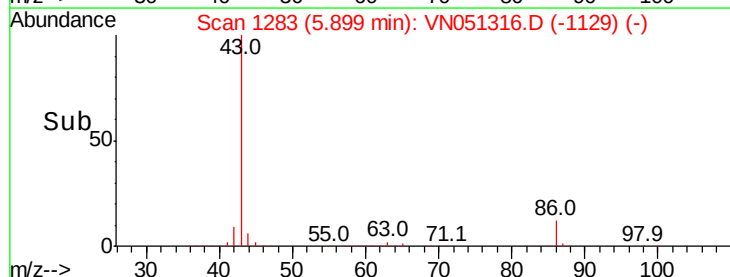
43 100

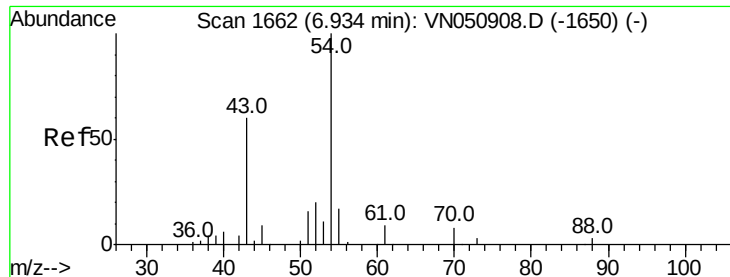
86 9.8 7.2 10.8



Abundance Ion 43.00 (42.70 to 43.70): VN051316.D (-1129) (-)

Ion 86.00 (85.70 to 86.70): VN051316.D (-1129) (-)

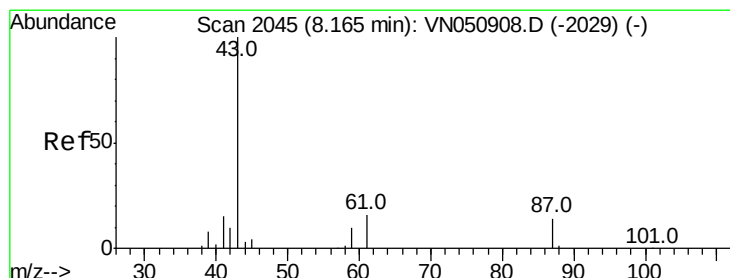
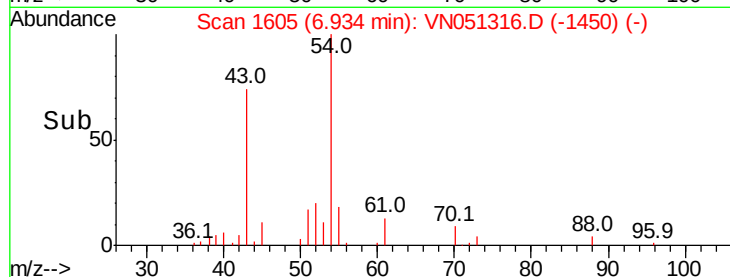
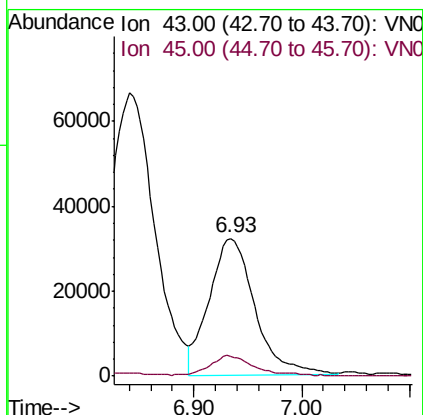
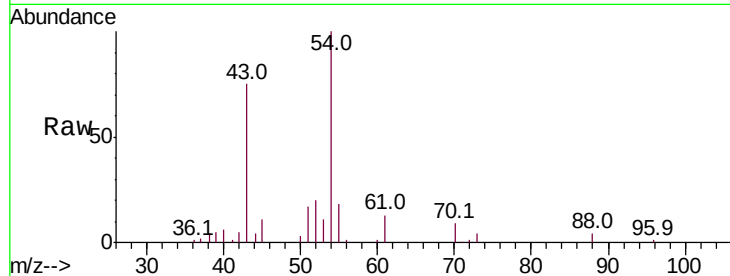




#43
Ethyl Acetate
Concen: 18.470 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN051316.D
Acq: 19 Sep 2018 14:01

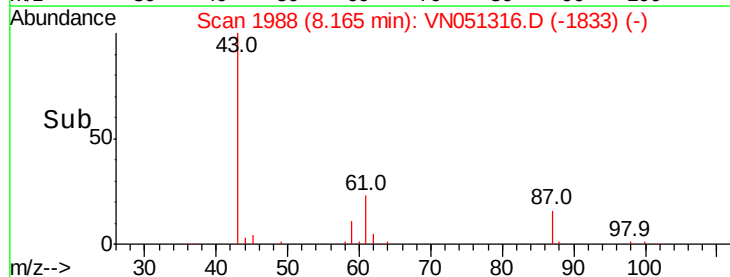
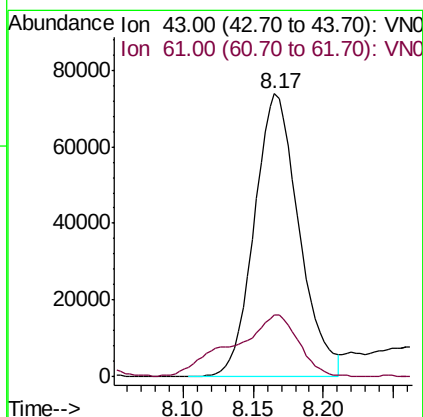
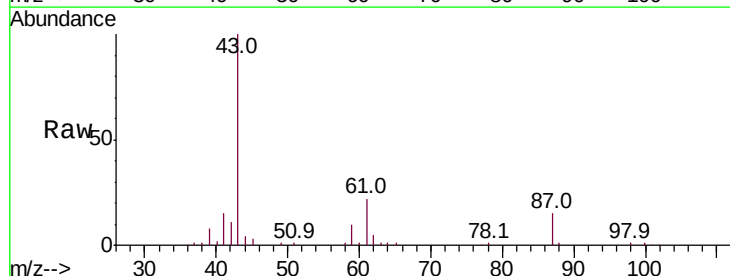
Instrument :
MSVOA_N
ClientSampleId :

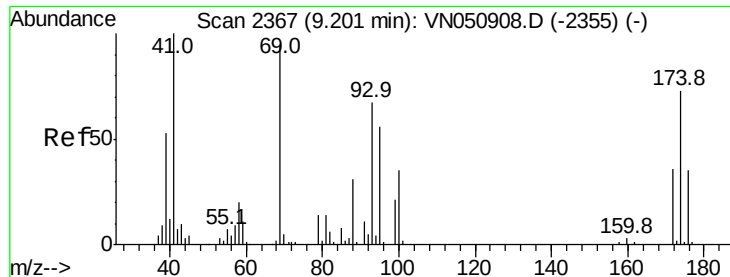
Tot Ion: 43 Resp: 94508
Ion Ratio Lower Upper
43 100
45 12.4 10.2 15.2



#44
Isopropyl Acetate
Concen: 17.973 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VN051316.D
Acq: 19 Sep 2018 14:01

Tgt Ion: 43 Resp: 162279
Ion Ratio Lower Upper
43 100
61 31.6 16.3 24.5#





#45

1,4-Dioxane

Concen: 347.624 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN051316.D

Acq: 19 Sep 2018 14:01

Instrument :
MSVOA_N
ClientSampled :

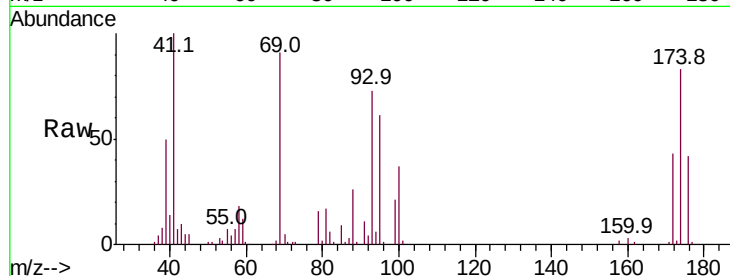
Tot Ion: 88 Resp: 23316

Ion Ratio Lower Upper

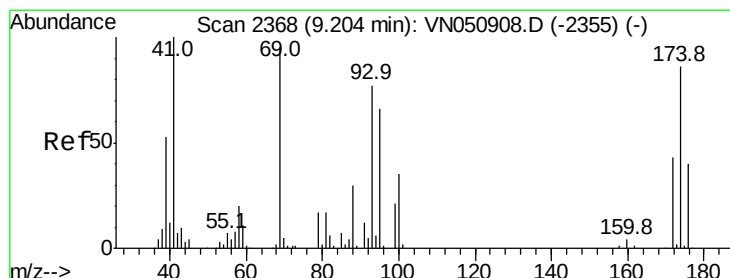
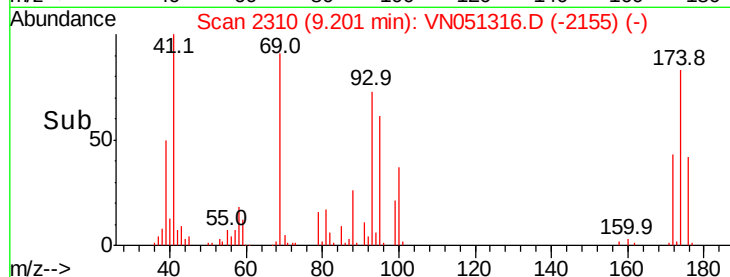
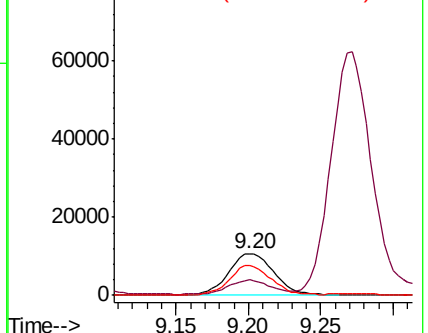
88 100

43 29.3 23.5 35.3

58 66.4 55.2 82.8



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



#46

Methyl methacrylate

Concen: 17.091 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN051316.D

Acq: 19 Sep 2018 14:01

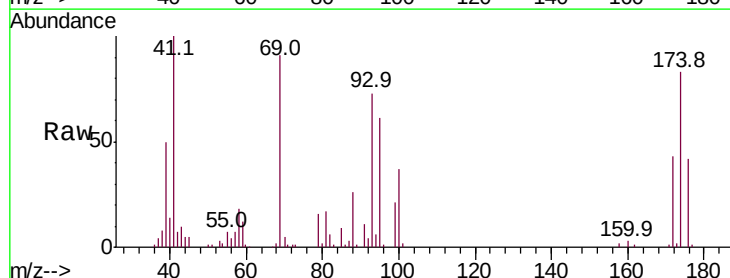
Tgt Ion: 41 Resp: 77289

Ion Ratio Lower Upper

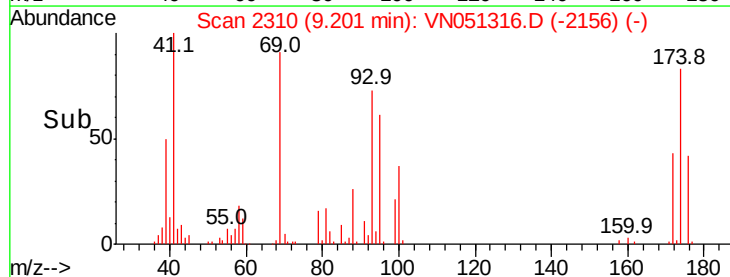
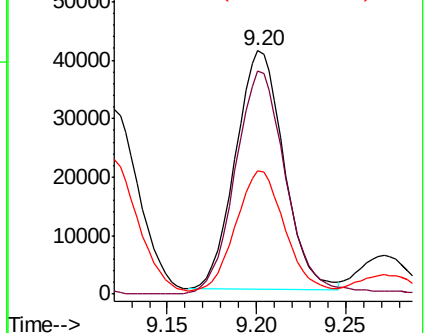
41 100

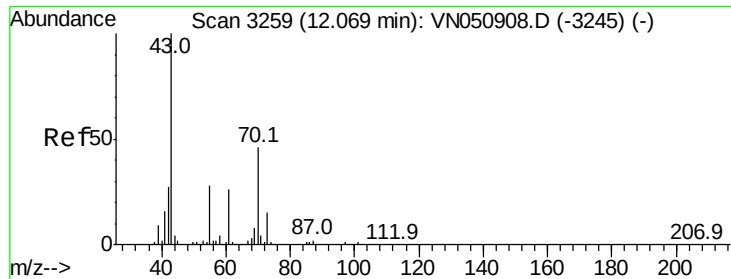
69 93.1 47.4 142.2

39 50.2 26.6 79.7



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-amyl Acetate

Concen: 15.615 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN051316.D

Acq: 19 Sep 2018 14:01

Instrument :

MSVOA_N

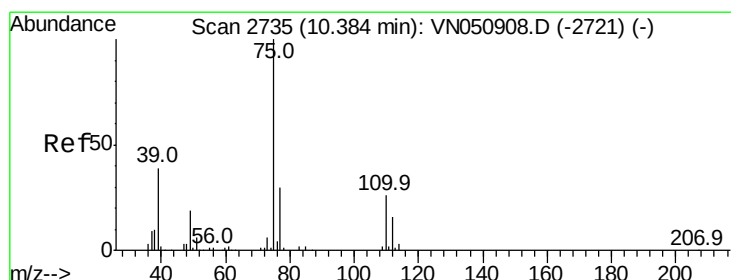
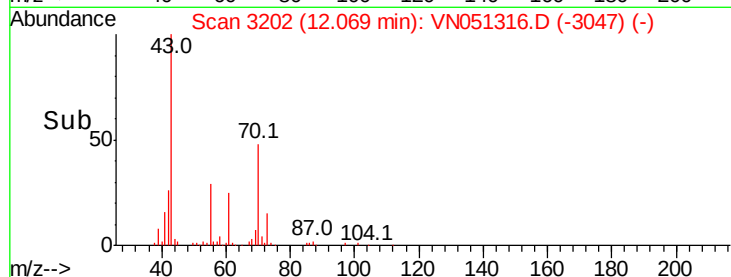
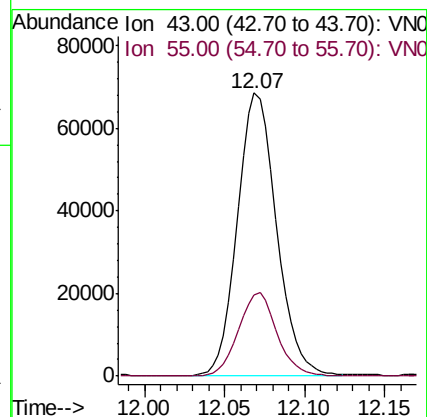
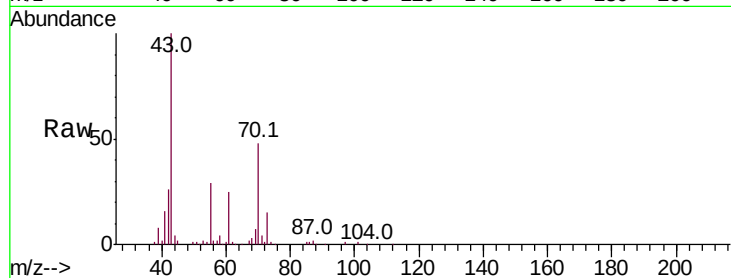
ClientSampled :

Tot Ion: 43 Resp: 113356

Ion Ratio Lower Upper

43 100

55 29.1 23.0 34.4



#48

t-1,3-Dichloropropene

Concen: 19.315 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VN051316.D

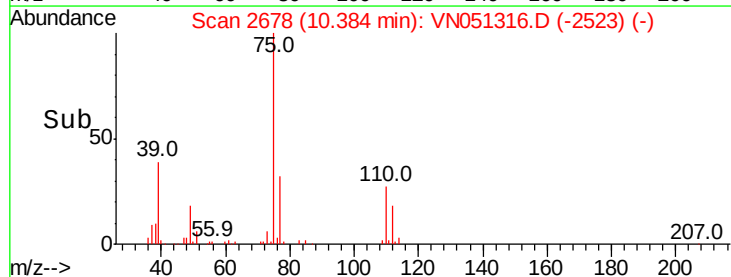
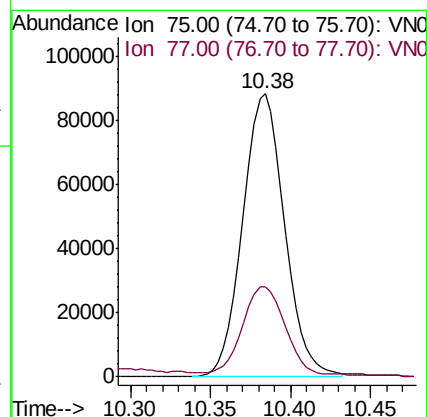
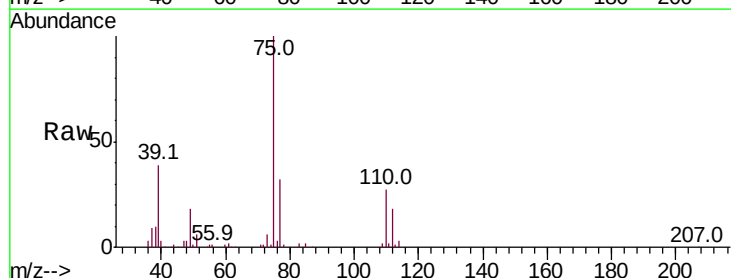
Acq: 19 Sep 2018 14:01

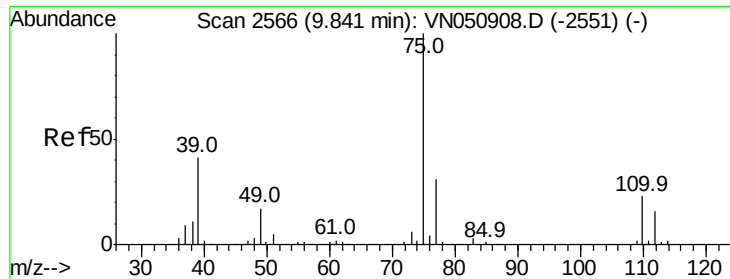
Tgt Ion: 75 Resp: 157722

Ion Ratio Lower Upper

75 100

77 31.1 24.8 37.2



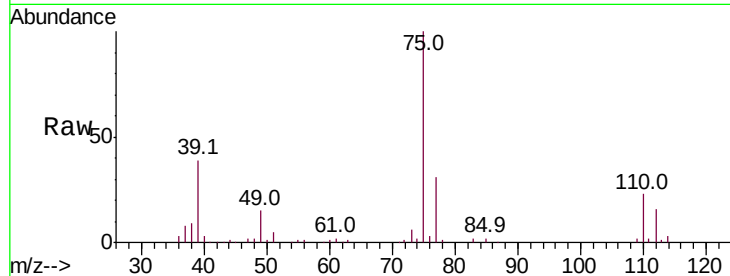


#49

cis-1,3-Dichloropropene
Concen: 20.742 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN051316.D
Acq: 19 Sep 2018 14:01

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.0	37.4
39	39.0	32.9	49.3

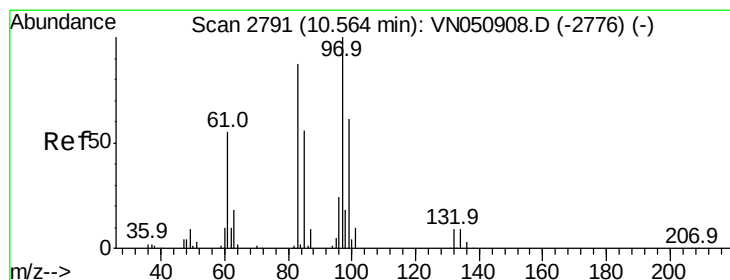
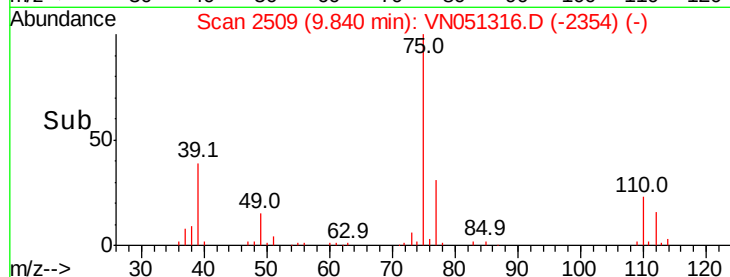
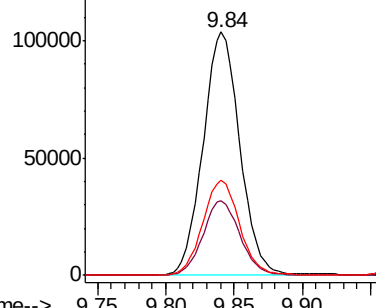


Abundance

Ion 75.00 (74.70 to 75.70): VNO

Ion 77.00 (76.70 to 77.70): VNO

Ion 39.00 (38.70 to 39.70): VNO



#50

1,1,2-Trichloroethane
Concen: 20.129 ug/l
RT: 10.56 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VN051316.D
Acq: 19 Sep 2018 14:01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.8	69.8	104.6
85	56.7	45.0	67.6
99	62.5	49.1	73.7

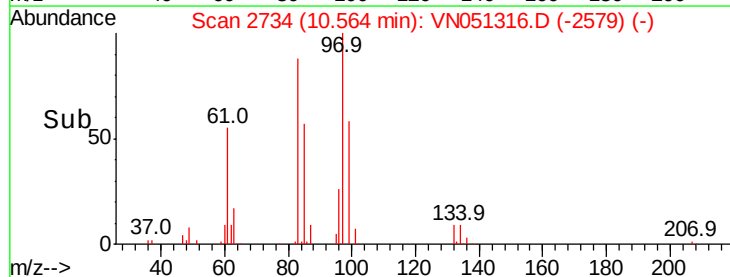
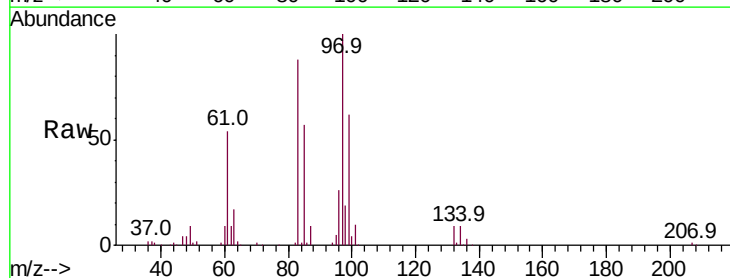
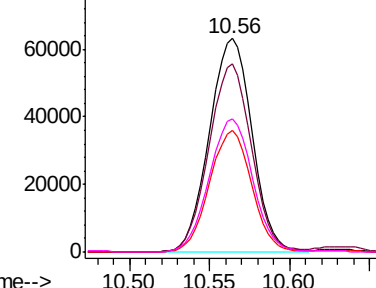
Abundance

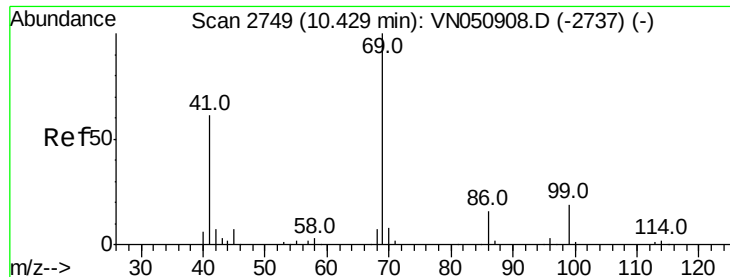
Ion 97.00 (96.70 to 97.70): VNO

Ion 82.95 (82.65 to 83.65): VNO

Ion 84.95 (84.65 to 85.65): VNO

Ion 98.95 (98.65 to 99.65): VNO





#51

Ethyl methacrylate

Concen: 18.306 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN051316.D

Acq: 19 Sep 2018 14:01

Instrument :

MSVOA_N

ClientSampleId :

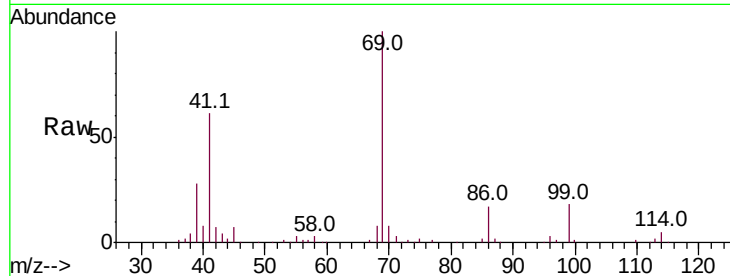
Tot Ion: 69 Resp: 128602

Ion Ratio Lower Upper

69 100

41 60.6 30.5 91.5

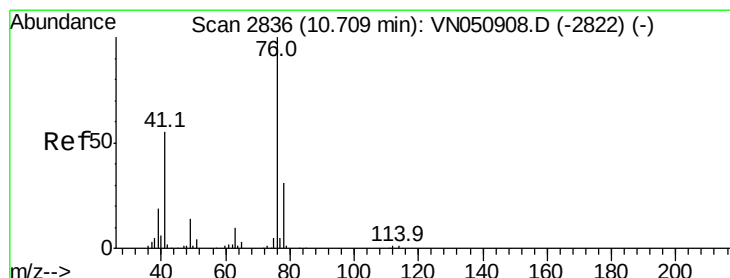
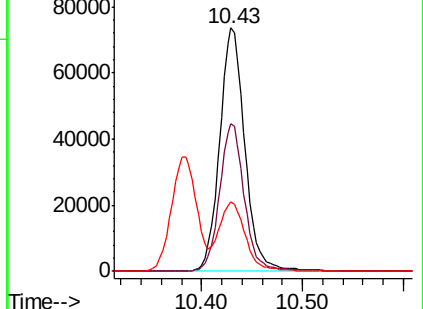
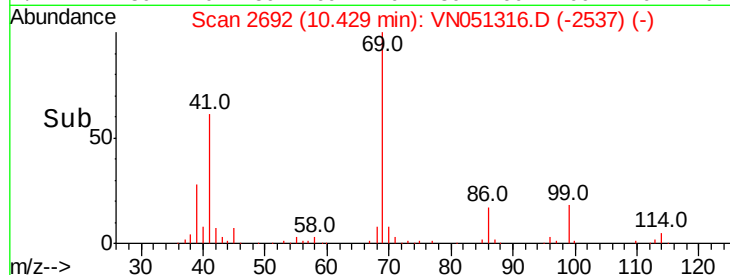
39 28.1 15.3 45.8



Abundance Ion 69.00 (68.70 to 69.70): VN051316.D (-2537) (-)

Ion 41.00 (40.70 to 41.70): VN051316.D (-2537) (-)

Ion 39.00 (38.70 to 39.70): VN051316.D (-2537) (-)



#52

1,3-Dichloropropane

Concen: 19.749 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN051316.D

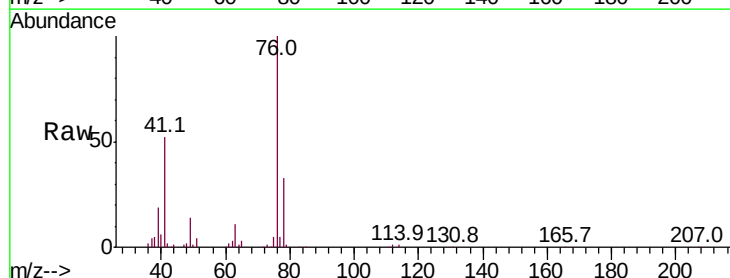
Acq: 19 Sep 2018 14:01

Tgt Ion: 76 Resp: 187830

Ion Ratio Lower Upper

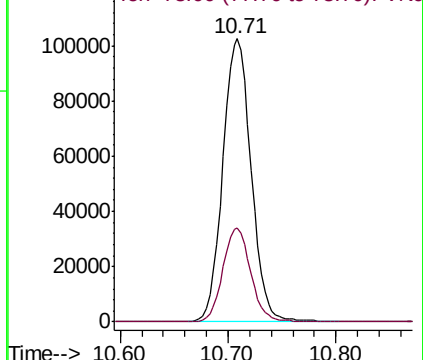
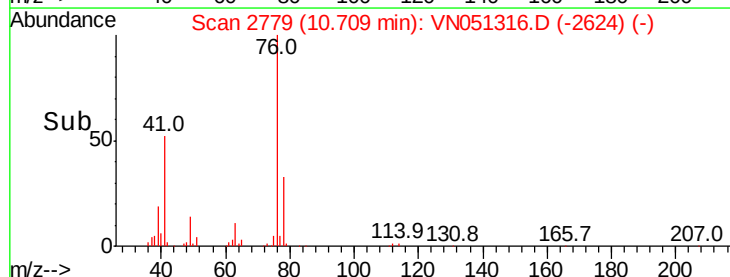
76 100

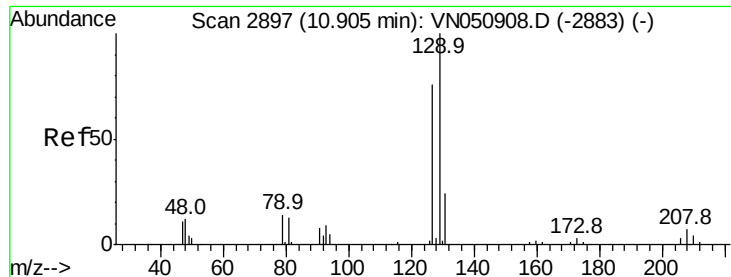
78 32.6 0.0 63.4



Abundance Ion 76.00 (75.70 to 76.70): VN051316.D (-2624) (-)

Ion 78.00 (77.70 to 78.70): VN051316.D (-2624) (-)

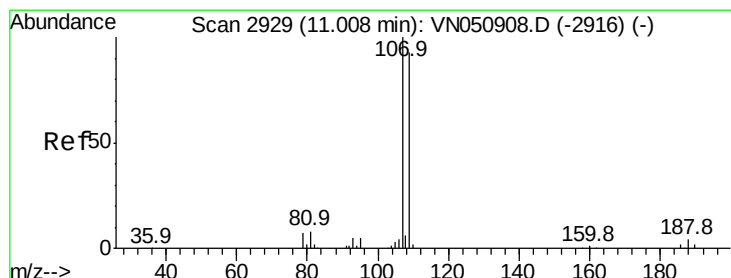
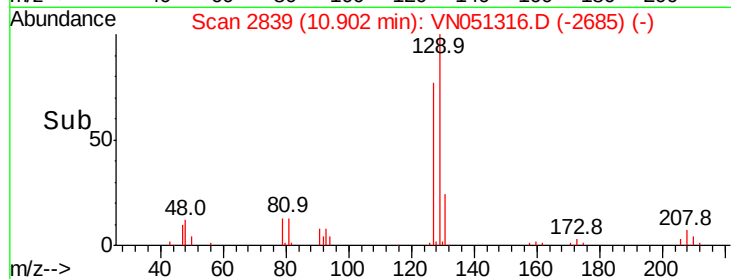
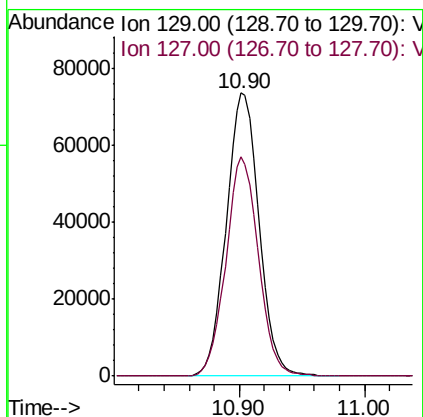
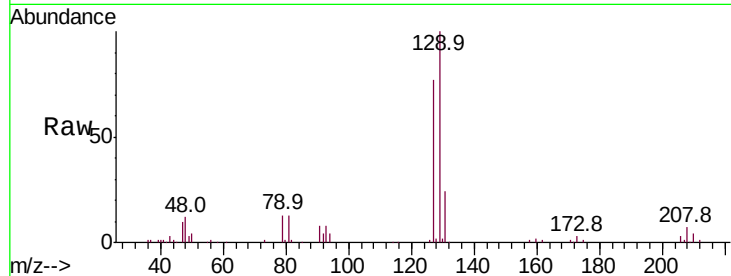




#53
Dibromochloromethane
Concen: 20.433 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051316.D
Acq: 19 Sep 2018 14:01

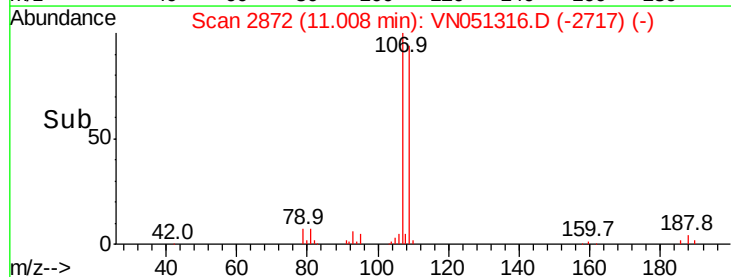
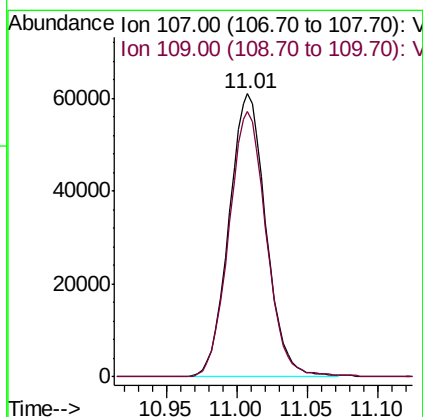
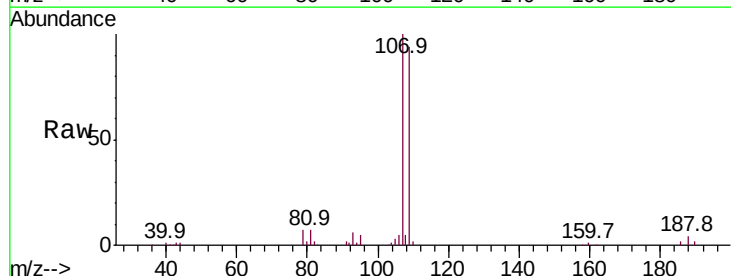
Instrument :
MSVOA_N
ClientSampleId :

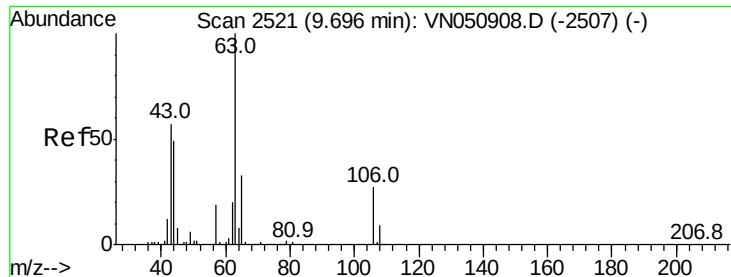
Tot Ion:129 Resp: 133409
Ion Ratio Lower Upper
129 100
127 77.0 39.0 116.9



#54
1,2-Dibromoethane
Concen: 19.758 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. -0.00 min
Lab File: VN051316.D
Acq: 19 Sep 2018 14:01

Tgt Ion:107 Resp: 112177
Ion Ratio Lower Upper
107 100
109 94.5 74.4 111.6





#55

2-Chloroethyl vinyl ether

Concen: 82.790 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN051316.D

Acq: 19 Sep 2018 14:01

Instrument :

MSVOA_N

ClientSampled :

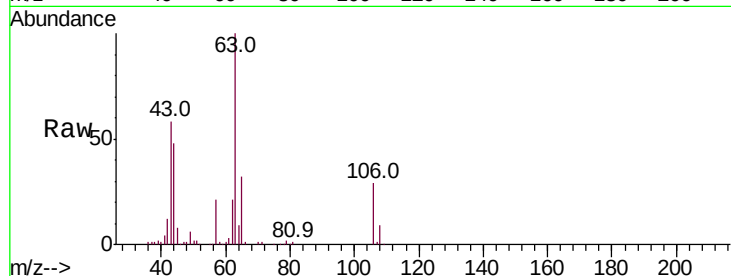
Tot Ion: 63 Resp: 242001

Ion	Ratio	Lower	Upper
63	100		
65	32.4	25.4	38.2
106	29.3	22.0	33.0

63 100

65 32.4 25.4 38.2

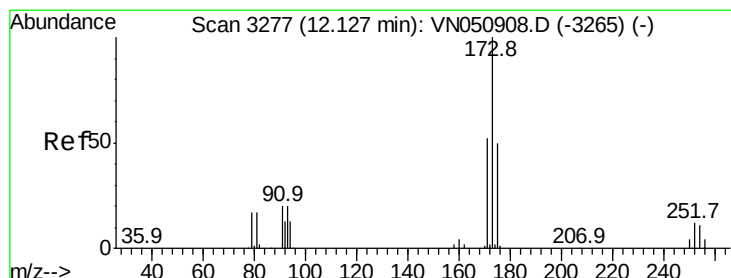
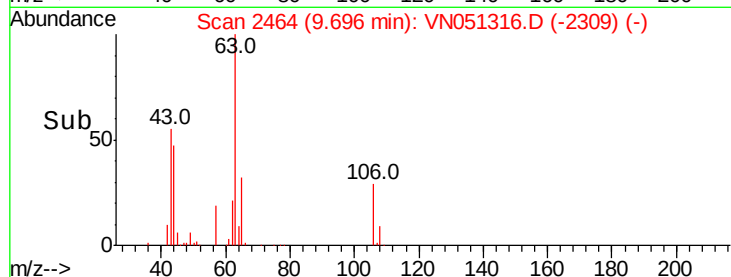
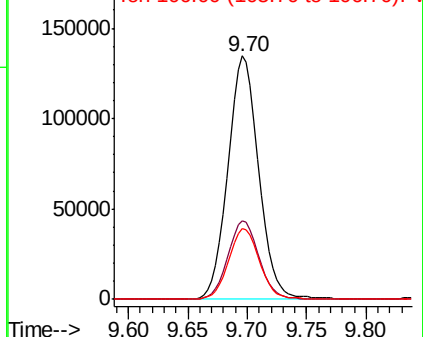
106 29.3 22.0 33.0



Abundance Ion 63.00 (62.70 to 63.70): VN051316.D (-2309) (-)

Ion 65.00 (64.70 to 65.70): VN051316.D (-2309) (-)

Ion 106.00 (105.70 to 106.70): VN051316.D (-2309) (-)



#56

Bromoform

Concen: 19.811 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN051316.D

Acq: 19 Sep 2018 14:01

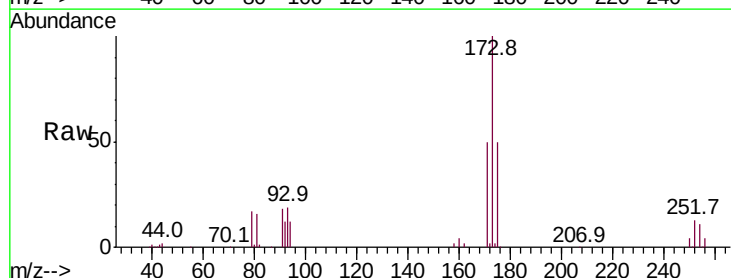
Tgt Ion: 173 Resp: 91995

Ion	Ratio	Lower	Upper
173	100		
175	49.9	39.2	58.8
254	11.4	9.0	13.6

173 100

175 49.9 39.2 58.8

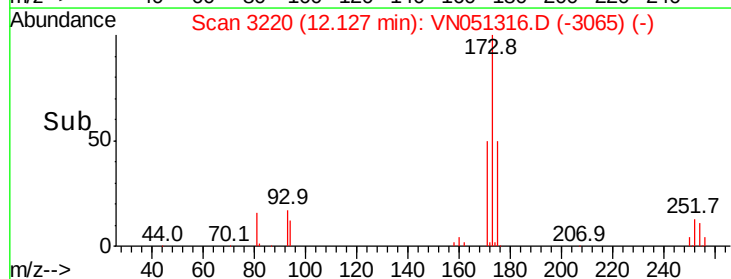
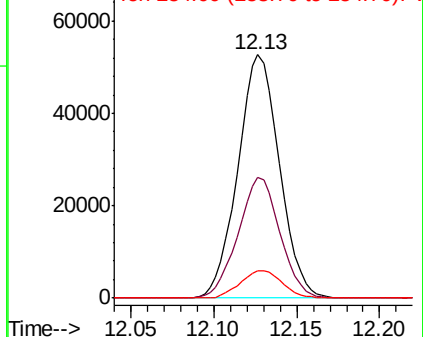
254 11.4 9.0 13.6

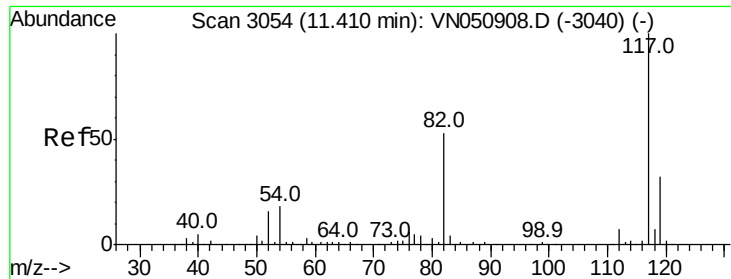


Abundance Ion 173.00 (172.70 to 173.70): VN051316.D (-3065) (-)

Ion 175.00 (174.70 to 175.70): VN051316.D (-3065) (-)

Ion 254.00 (253.70 to 254.70): VN051316.D (-3065) (-)

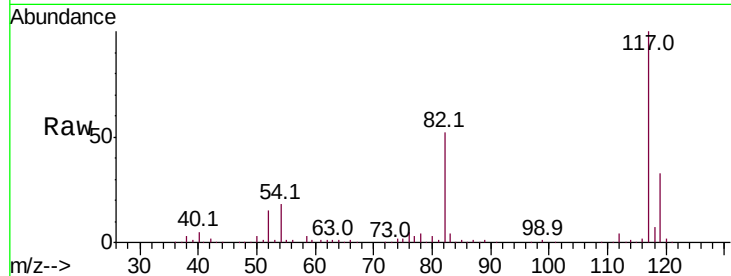




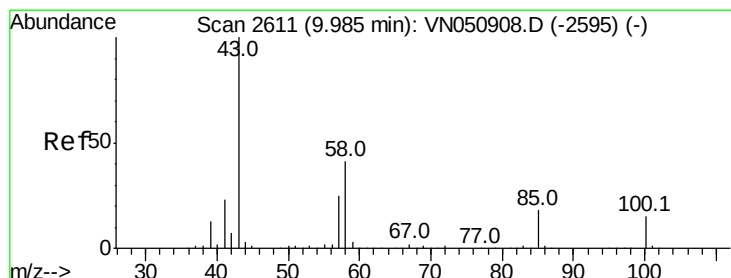
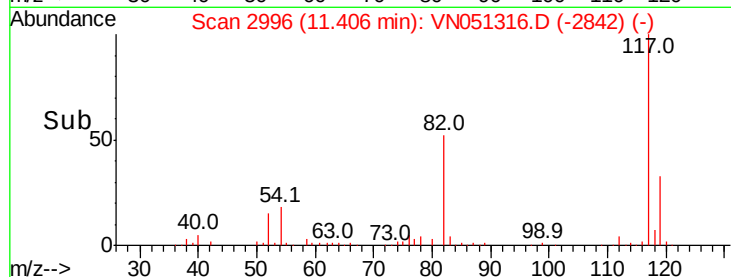
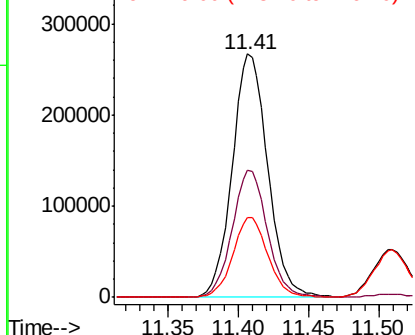
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051316.D
Acq: 19 Sep 2018 14:01

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 470626
Ion Ratio Lower Upper
117 100
82 51.6 42.6 64.0
119 32.4 25.7 38.5

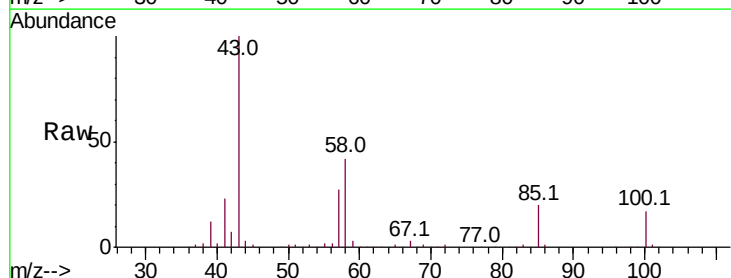


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VN
Ion 119.00 (118.70 to 119.70): V

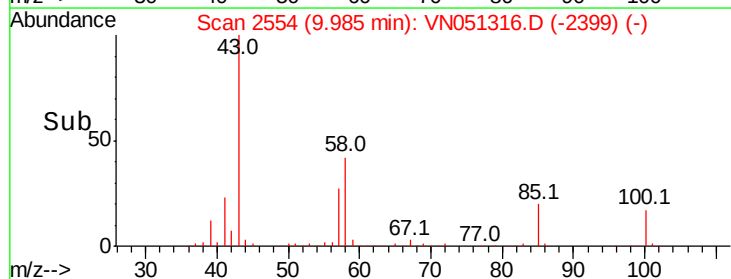
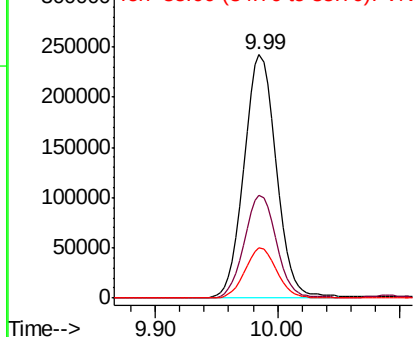


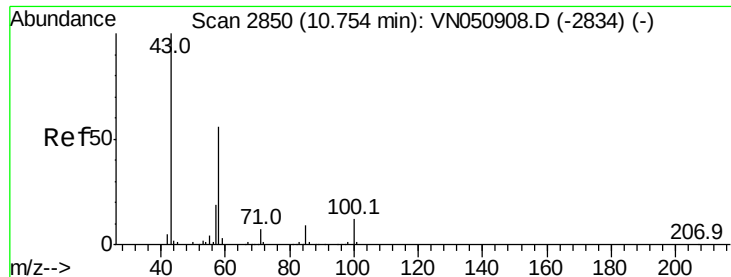
#58
4-Methyl-2-Pentanone
Concen: 81.729 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN051316.D
Acq: 19 Sep 2018 14:01

Tgt Ion: 43 Resp: 440085
Ion Ratio Lower Upper
43 100
58 42.1 32.3 48.5
85 20.2 14.9 22.3



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

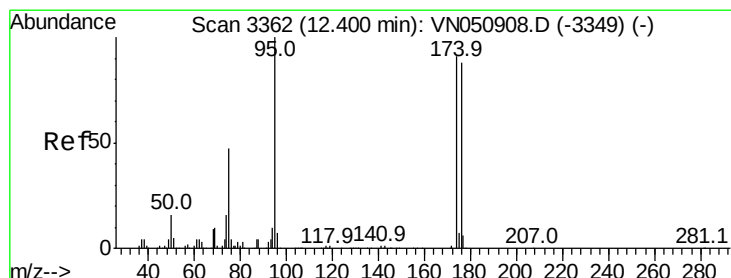
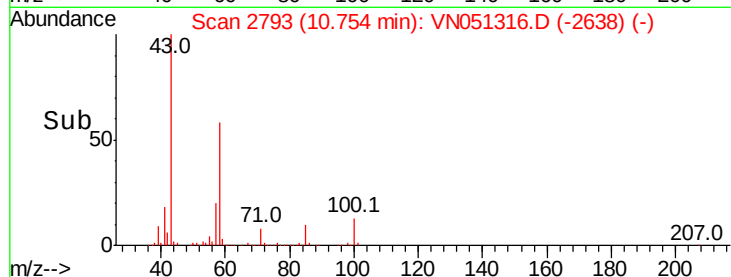
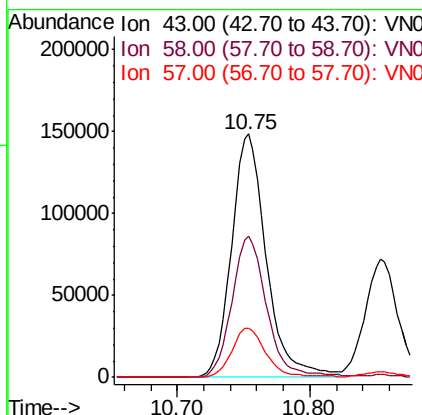
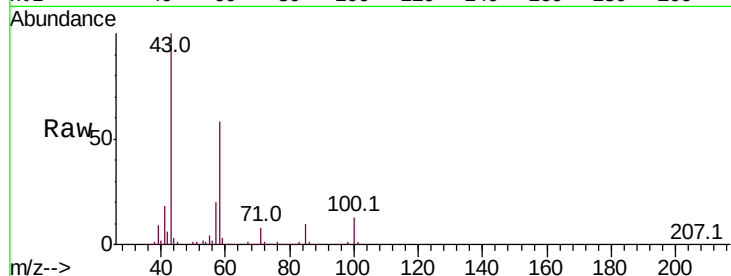




#59
2-Hexanone
Concen: 76.530 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN051316.D
Acq: 19 Sep 2018 14:01

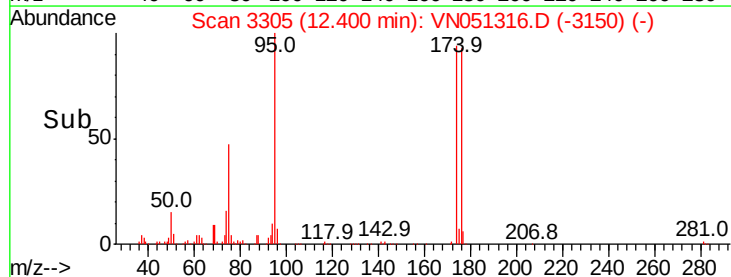
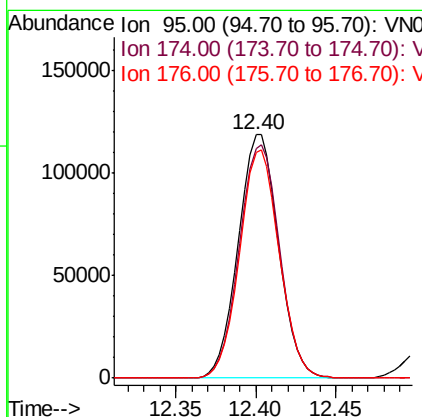
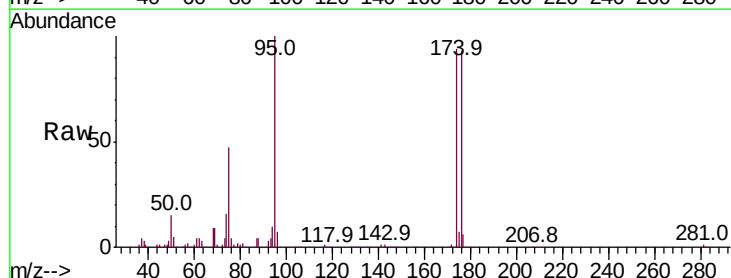
Instrument :
MSVOA_N
ClientSampleId :

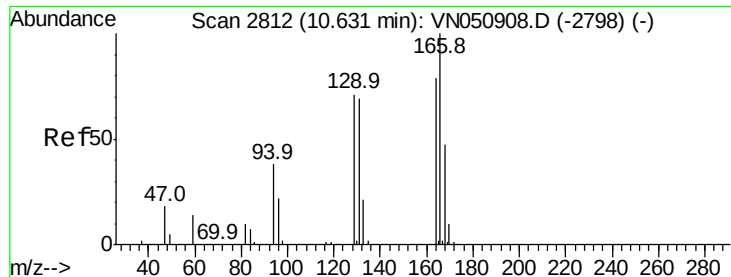
Tot Ion: 43 Resp: 269361
Ion Ratio Lower Upper
43 100
58 58.3 45.5 68.3
57 20.1 15.2 22.8



#60
4-Bromofluorobenzene
Concen: 29.048 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN051316.D
Acq: 19 Sep 2018 14:01

Tgt Ion: 95 Resp: 203288
Ion Ratio Lower Upper
95 100
174 96.0 74.6 112.0
176 92.2 71.5 107.3





#61

Tetrachloroethene

Concen: 22.585 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN051316.D

Acq: 19 Sep 2018 14:01

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:164 Resp: 132450

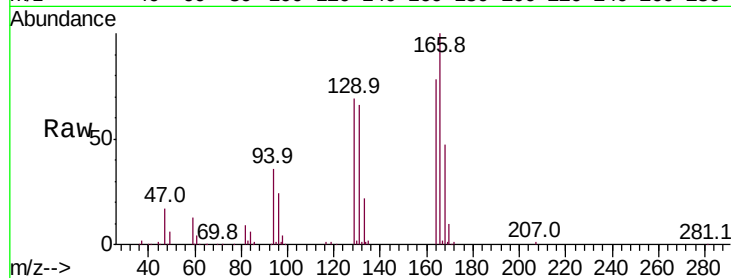
Ion Ratio Lower Upper

164 100

166 127.2 100.6 151.0

129 88.4 71.0 106.6

131 84.6 69.3 103.9

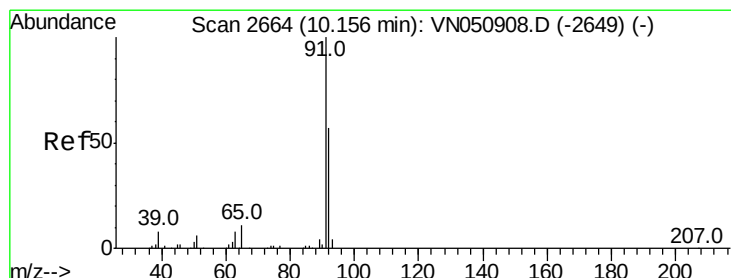
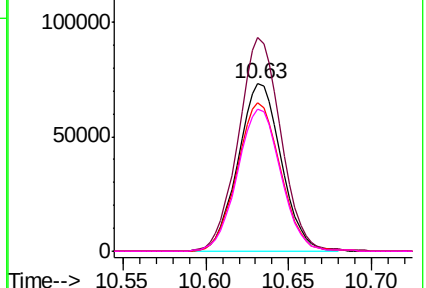
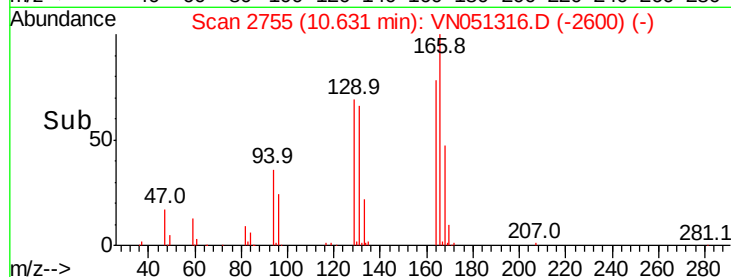


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 21.298 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN051316.D

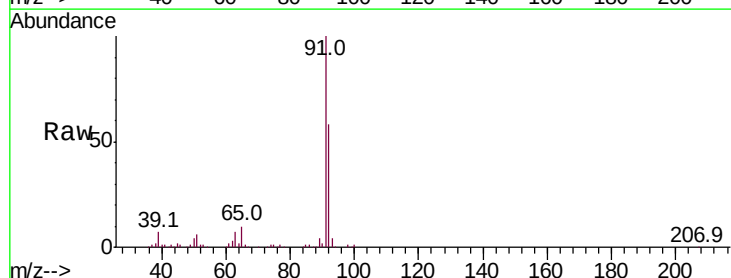
Acq: 19 Sep 2018 14:01

Tgt Ion: 91 Resp: 559200

Ion Ratio Lower Upper

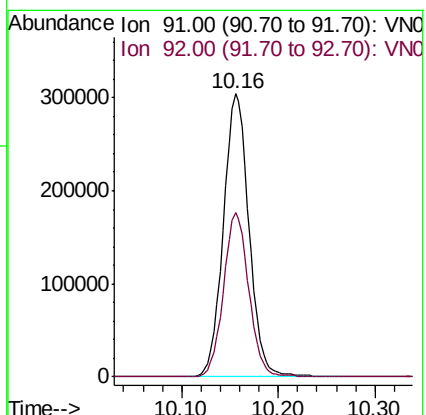
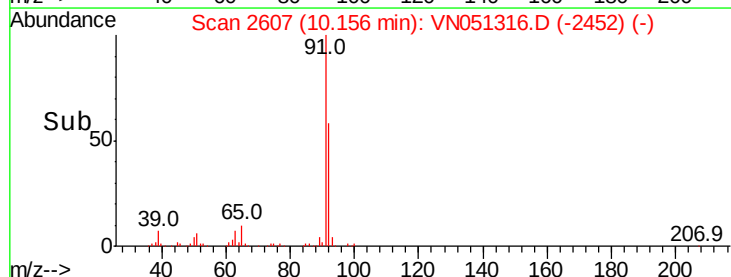
91 100

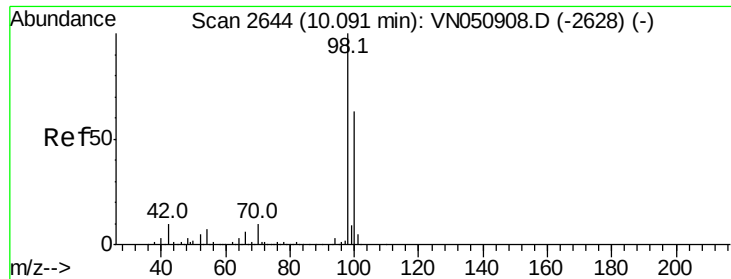
92 57.3 45.8 68.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 30.301 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051316.D

Acq: 19 Sep 2018 14:01

Instrument :

MSVOA_N

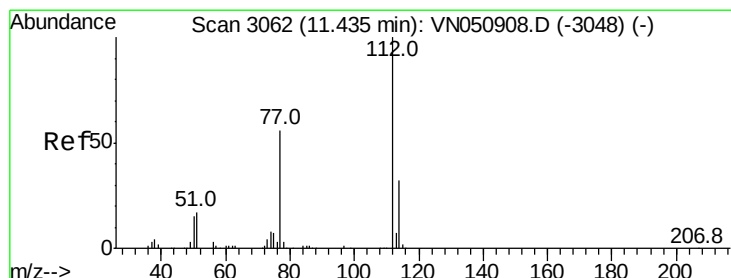
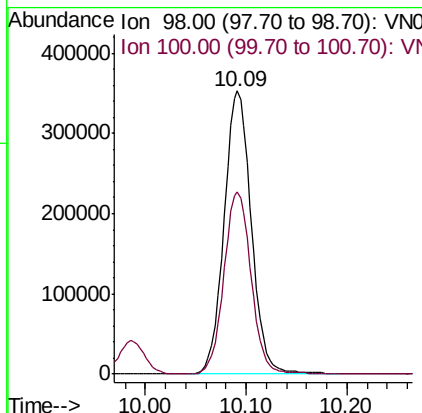
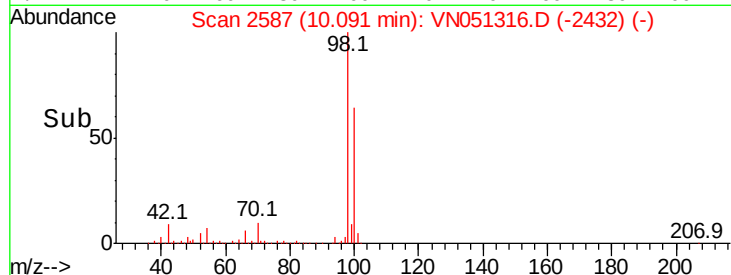
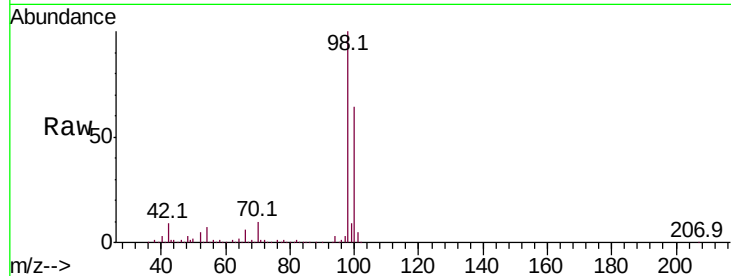
ClientSampleId :

Tot Ion: 98 Resp: 665003

Ion Ratio Lower Upper

98 100

100 64.1 50.6 75.8



#64

Chlorobenzene

Concen: 21.390 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. -0.00 min

Lab File: VN051316.D

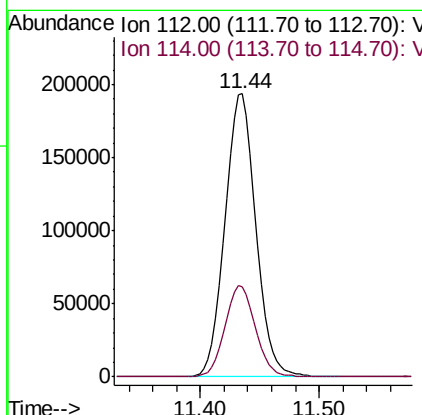
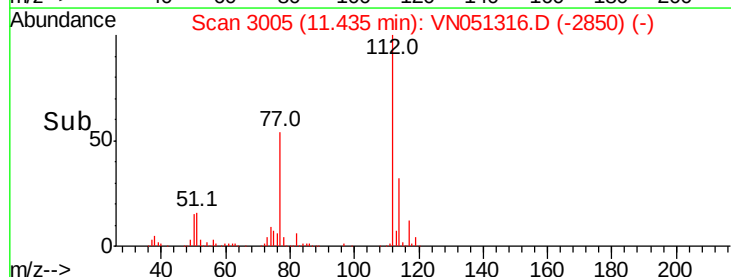
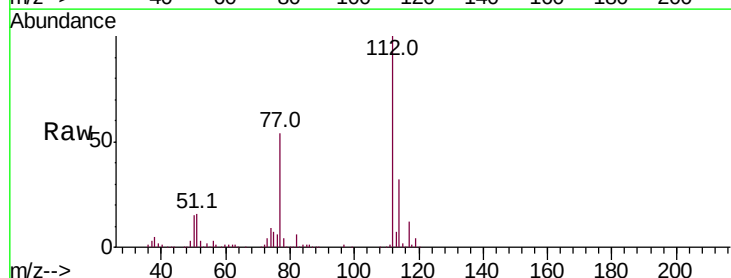
Acq: 19 Sep 2018 14:01

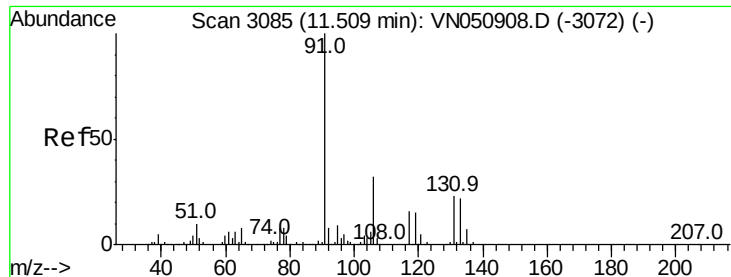
Tgt Ion: 112 Resp: 348066

Ion Ratio Lower Upper

112 100

114 31.7 25.5 38.3





#65

1,1,1,2-Tetrachloroethane

Concen: 22.130 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN051316.D

Acq: 19 Sep 2018 14:01

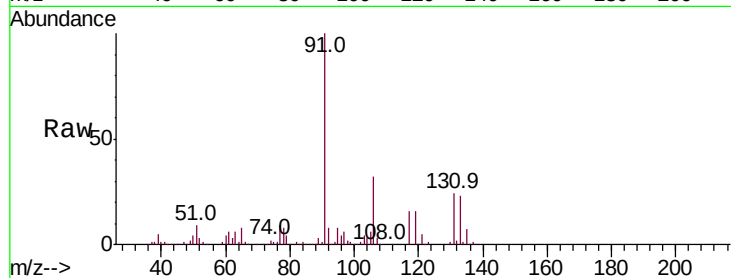
Instrument :

MSVOA_N

ClientSampled :

Tot Ion:131 Resp: 135967

Ion	Ratio	Lower	Upper
131	100		
133	94.0	0.0	189.4
119	65.5	0.0	132.2

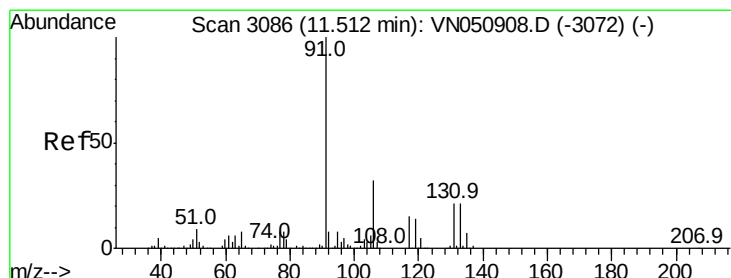
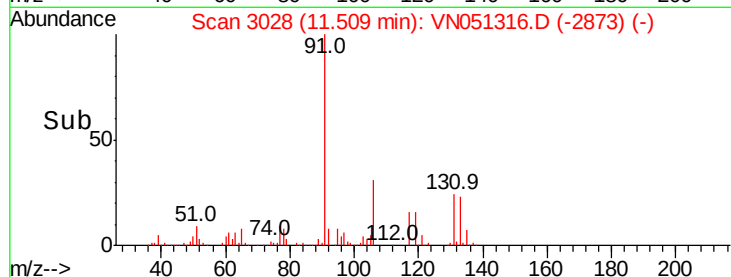
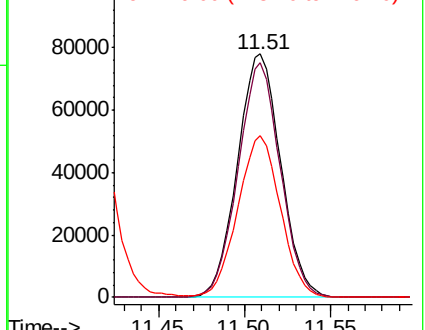


Abundance

Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 20.617 ug/l

RT: 11.51 min Scan# 3029

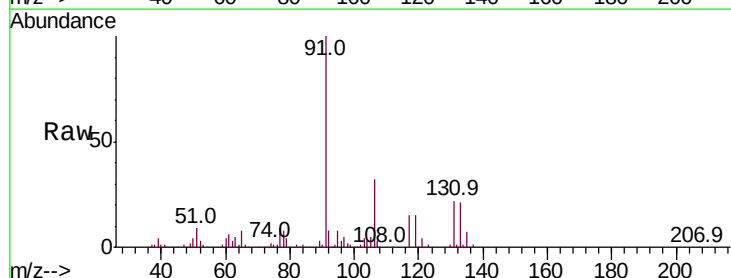
Delta R.T. -0.00 min

Lab File: VN051316.D

Acq: 19 Sep 2018 14:01

Tgt Ion: 91 Resp: 560712

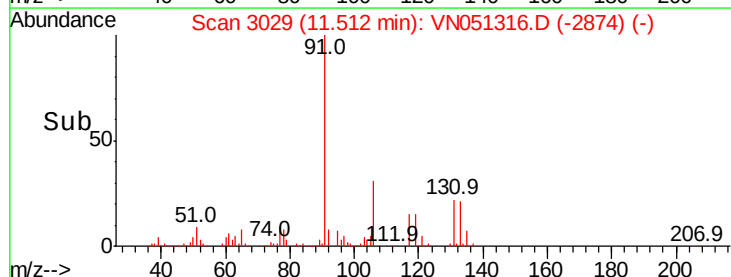
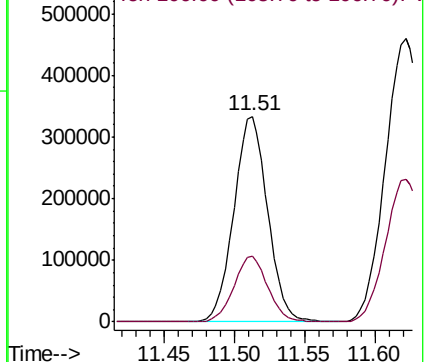
Ion	Ratio	Lower	Upper
91	100		
106	31.8	25.7	38.5

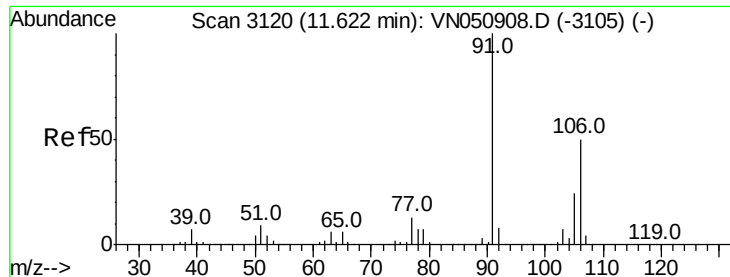


Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

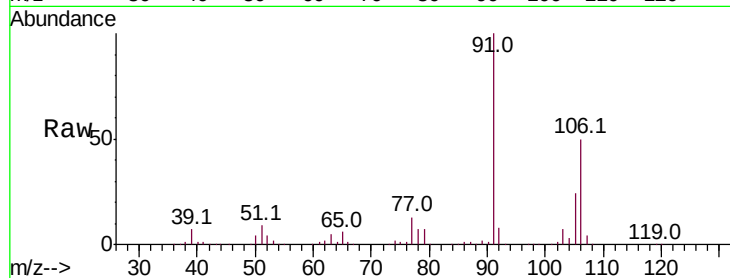




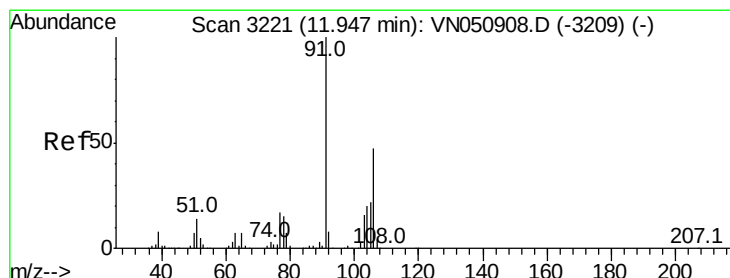
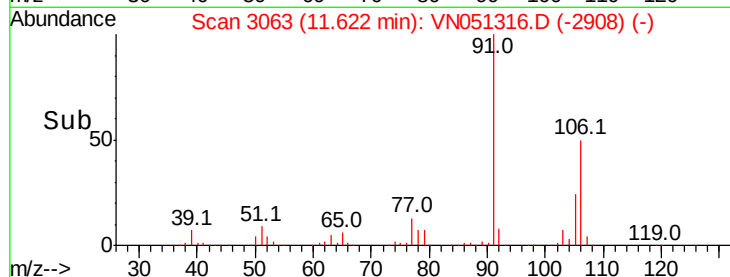
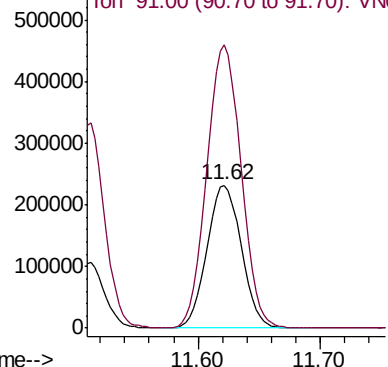
#67
m/p-Xylenes
Concen: 43.149 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN051316.D
Acq: 19 Sep 2018 14:01

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 451513
Ion Ratio Lower Upper
106 100
91 198.5 160.6 241.0

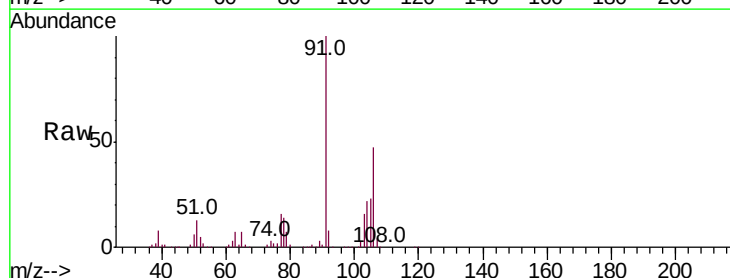


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

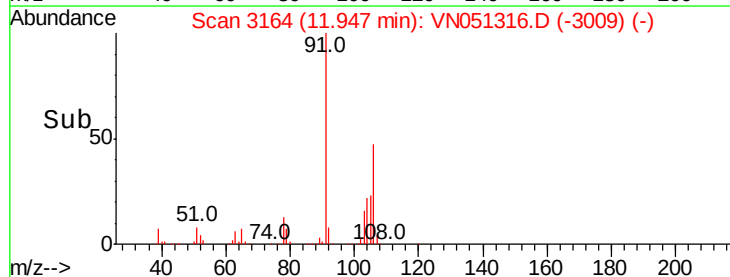
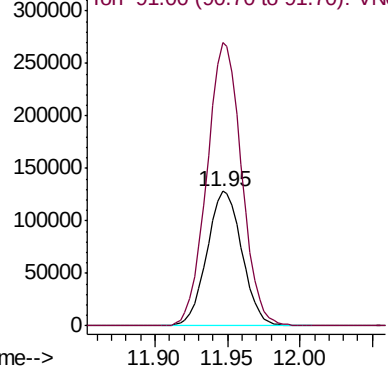


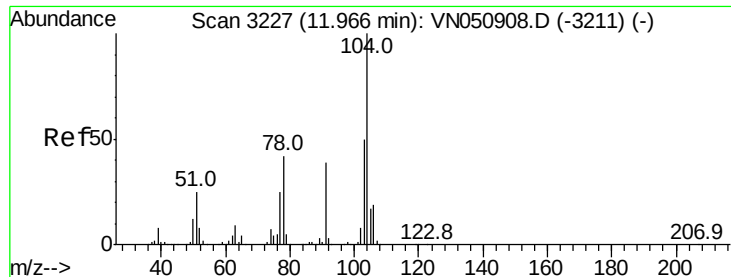
#68
o-Xylene
Concen: 21.503 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051316.D
Acq: 19 Sep 2018 14:01

Tgt Ion:106 Resp: 215003
Ion Ratio Lower Upper
106 100
91 208.5 106.4 319.2



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

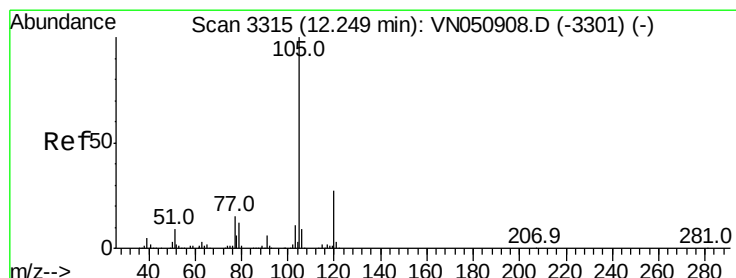
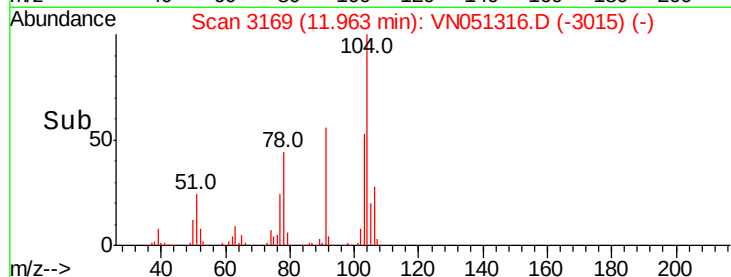
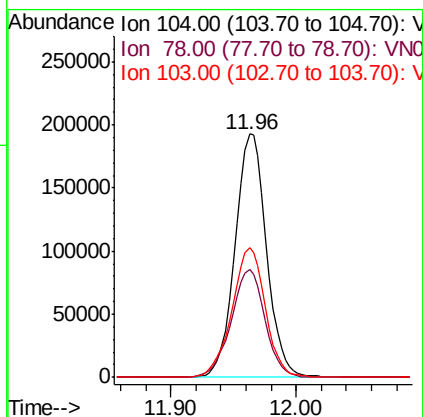
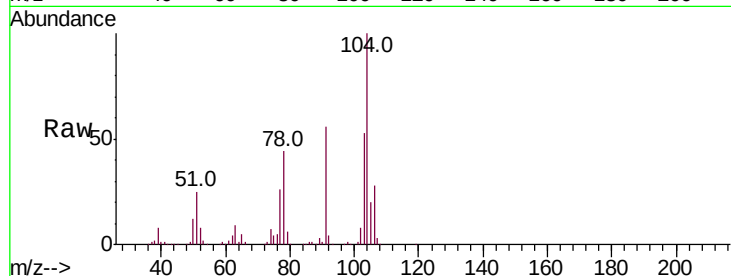




#69
 Stvrene
 Concen: 21.130 ug/l
 RT: 11.96 min Scan# 3169
 Delta R.T. -0.00 min
 Lab File: VN051316.D
 Acq: 19 Sep 2018 14:01

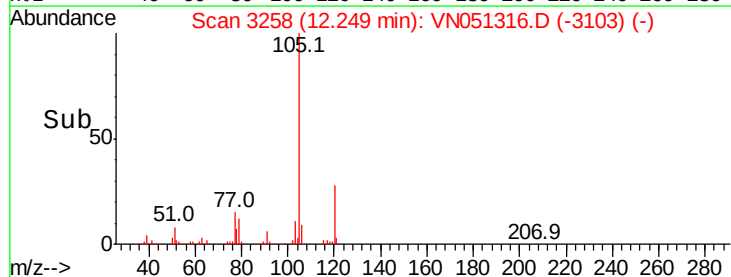
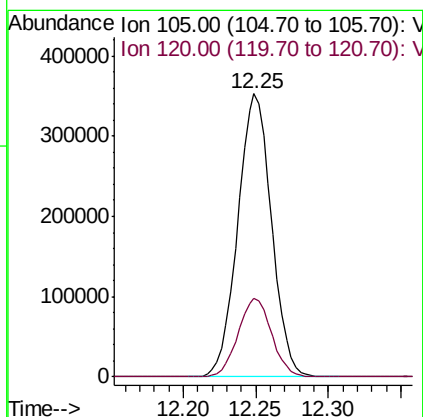
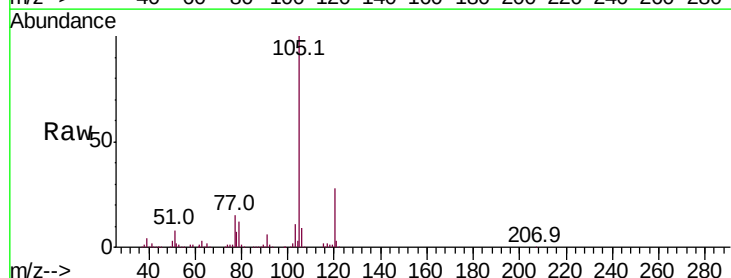
Instrument :
 MSVOA_N
 ClientSampled :

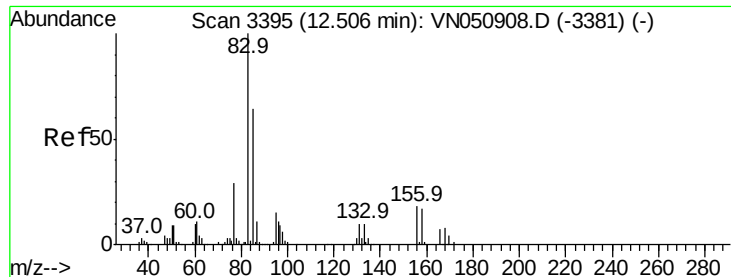
Tot Ion	Ratio	Lower	Upper
104	100		
78	47.9	38.6	58.0
103	56.5	45.4	68.2



#70
 Isopropylbenzene
 Concen: 21.387 ug/l
 RT: 12.25 min Scan# 3258
 Delta R.T. -0.00 min
 Lab File: VN051316.D
 Acq: 19 Sep 2018 14:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.6	18.6	34.6





#71

1,1,2,2-Tetrachloroethane

Concen: 19.160 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN051316.D

Acq: 19 Sep 2018 14:01

Instrument :

MSVOA_N

ClientSampled :

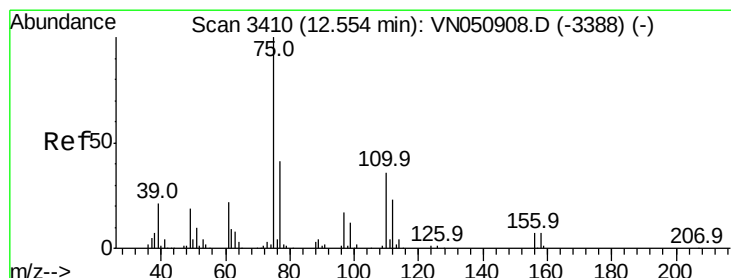
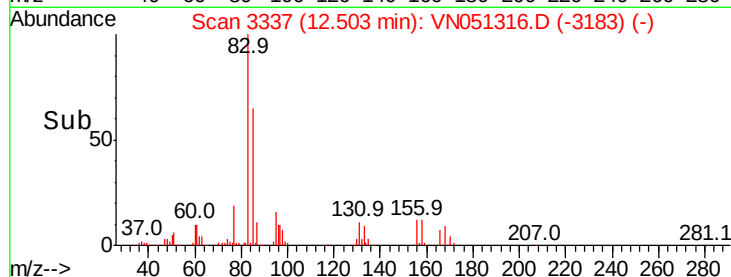
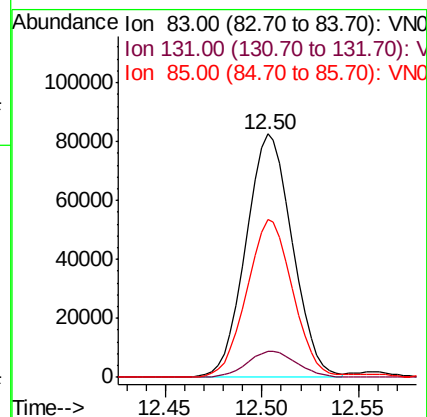
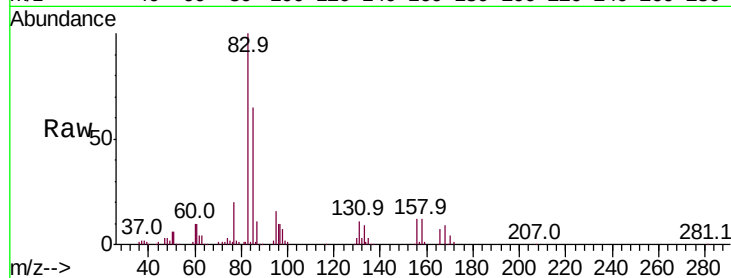
Tot Ion: 83 Resp: 137826

Ion Ratio Lower Upper

83 100

131 11.5 5.3 15.9

85 64.2 32.3 96.9



#72

1,2,3-Trichloropropane

Concen: 25.116 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN051316.D

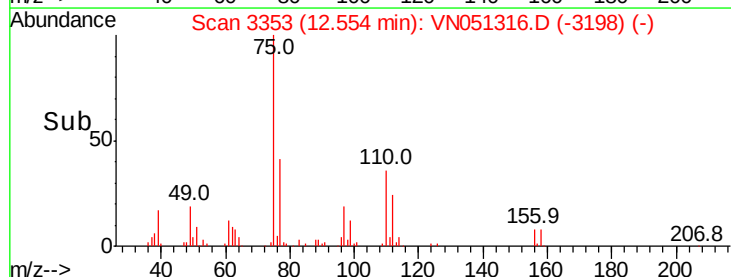
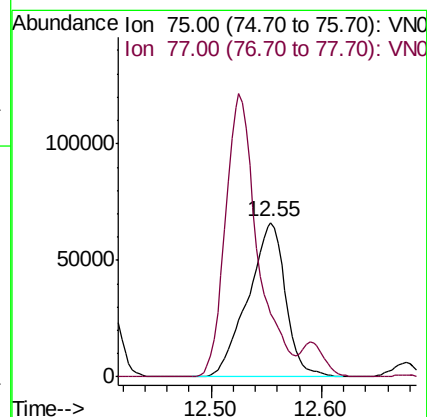
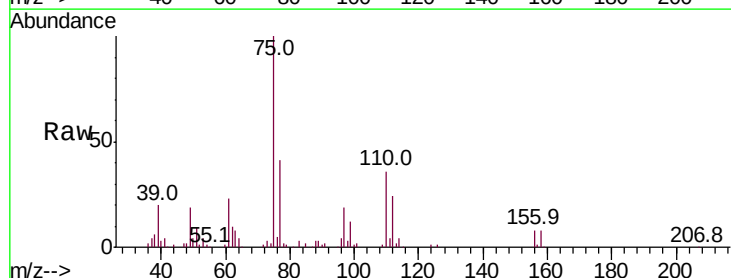
Acq: 19 Sep 2018 14:01

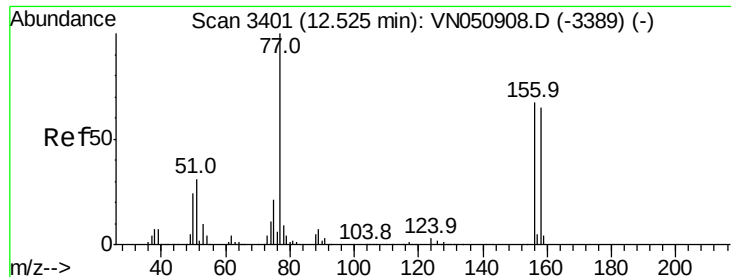
Tgt Ion: 75 Resp: 155872

Ion Ratio Lower Upper

75 100

77 158.1 0.0 301.6





#73

Bromobenzene

Concen: 21.062 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051316.D

Acq: 19 Sep 2018 14:01

Instrument :

MSVOA_N

ClientSampled :

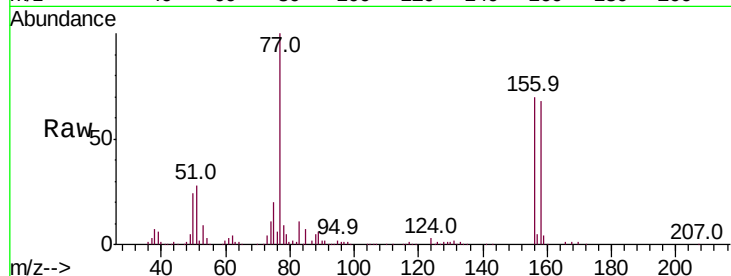
Tot Ion:156 Resp: 147232

Ion Ratio Lower Upper

156 100

77 167.4 0.0 359.4

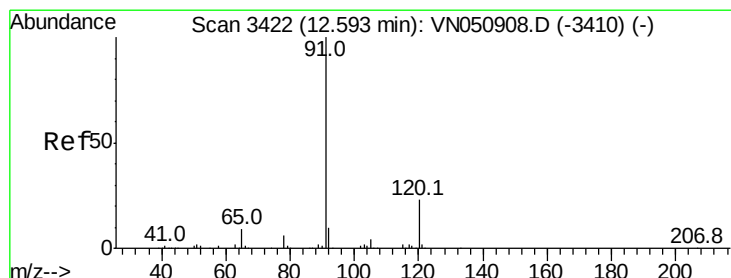
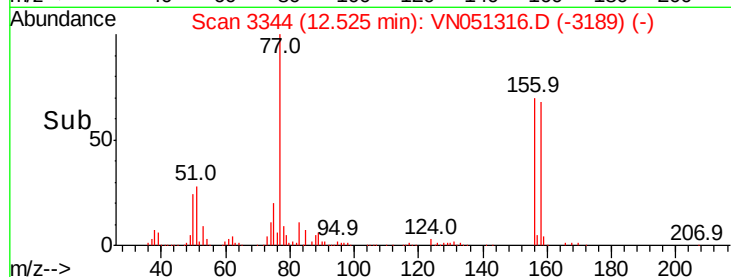
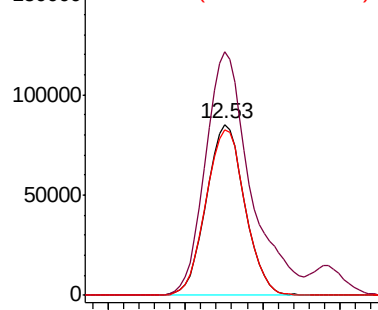
158 99.2 0.0 194.6



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 20.450 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN051316.D

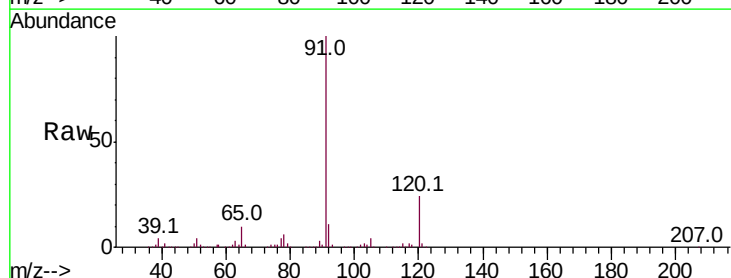
Acq: 19 Sep 2018 14:01

Tgt Ion: 91 Resp: 614274

Ion Ratio Lower Upper

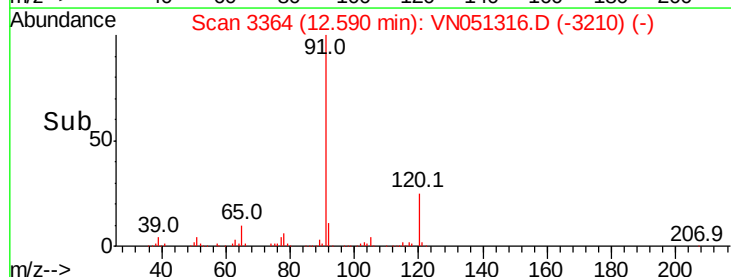
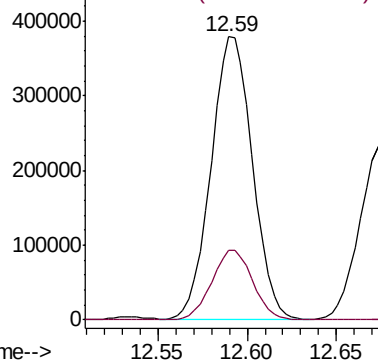
91 100

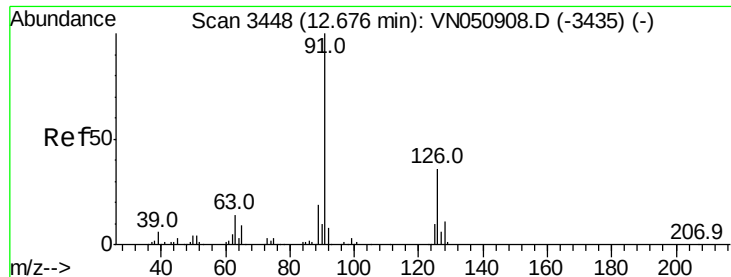
120 24.3 0.0 46.0



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 21.083 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051316.D

Acq: 19 Sep 2018 14:01

Instrument :

MSVOA_N

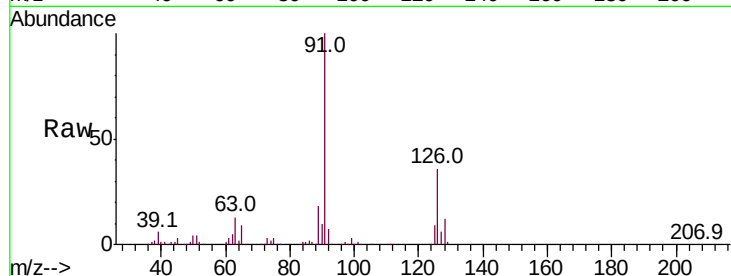
ClientSampleId :

Tot Ion: 91 Resp: 384726

Ion Ratio Lower Upper

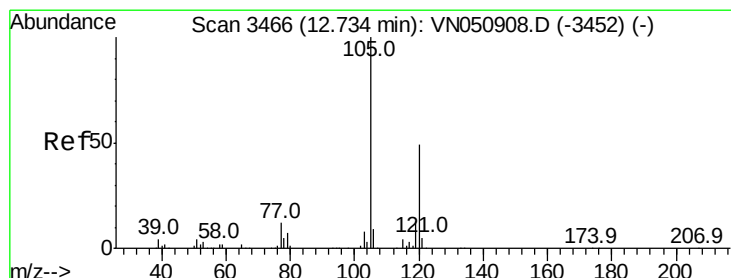
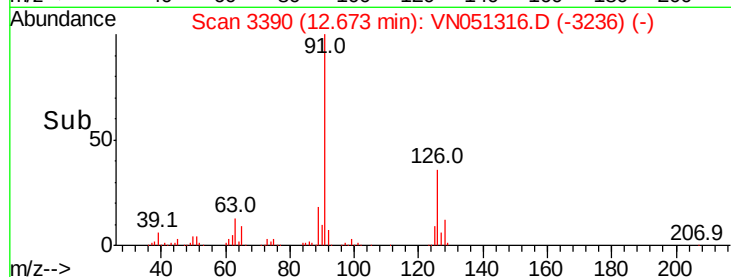
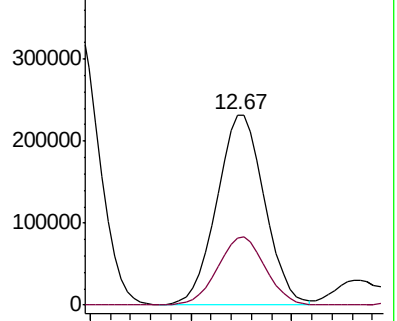
91 100

126 35.8 0.0 71.8



Abundance Ion 91.00 (90.70 to 91.70): VN050908.D (-3435) (-)

Ion 126.00 (125.70 to 126.70): VN050908.D (-3435) (-)



#76

1,3,5-Trimethylbenzene

Concen: 21.639 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051316.D

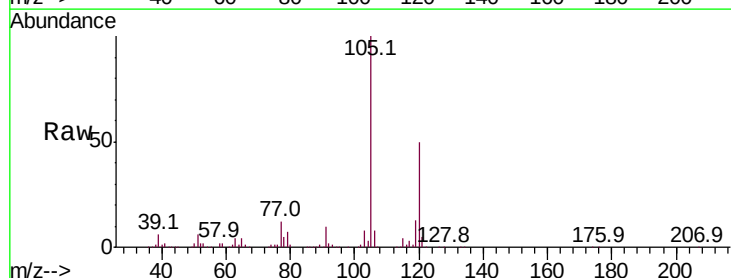
Acq: 19 Sep 2018 14:01

Tgt Ion:105 Resp: 469826

Ion Ratio Lower Upper

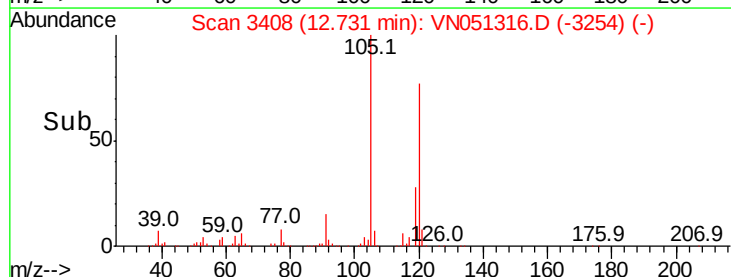
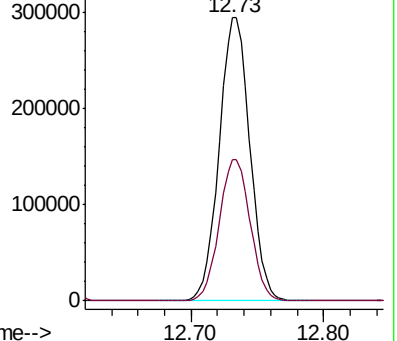
105 100

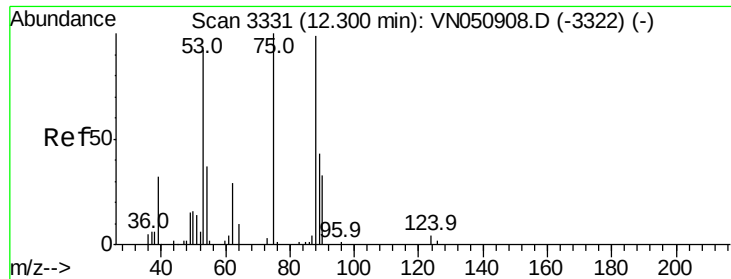
120 50.6 0.0 99.6



Abundance Ion 105.00 (104.70 to 105.70): VN050908.D (-3452) (-)

Ion 120.00 (119.70 to 120.70): VN050908.D (-3452) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 17.636 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN051316.D

Acq: 19 Sep 2018 14:01

Instrument :

MSVOA_N

ClientSampled :

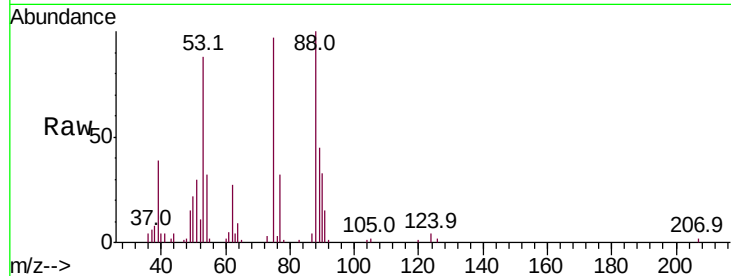
Tot Ion: 75 Resp: 31181

Ion Ratio Lower Upper

75 100

53 90.6 45.5 136.4

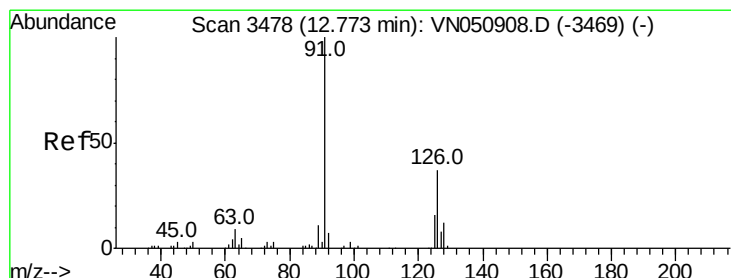
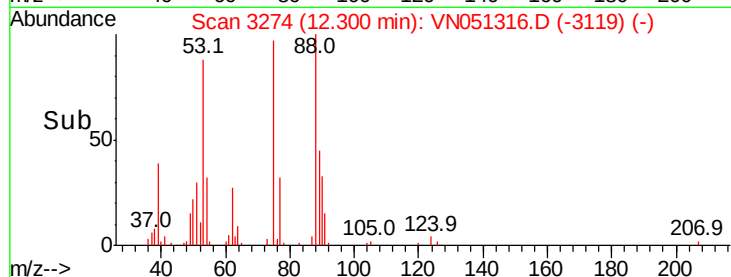
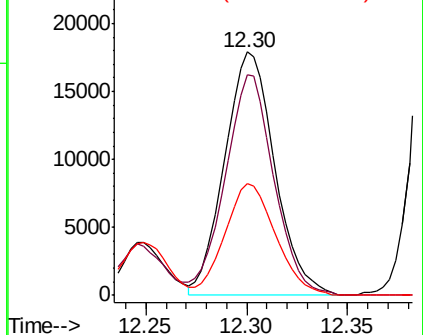
89 46.1 21.9 65.8



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 20.369 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN051316.D

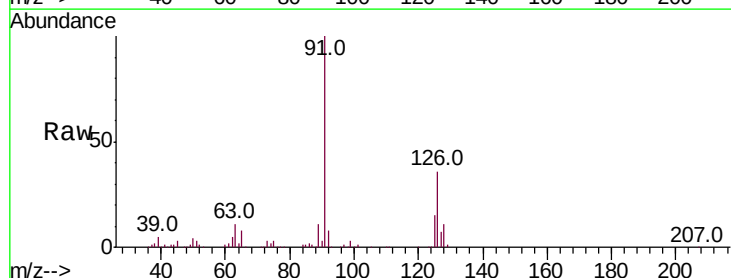
Acq: 19 Sep 2018 14:01

Tgt Ion: 91 Resp: 365987

Ion Ratio Lower Upper

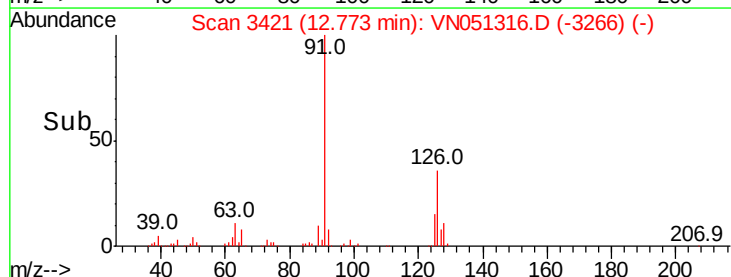
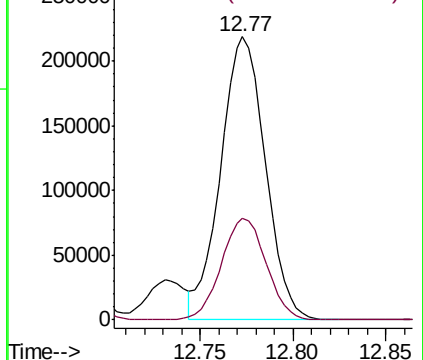
91 100

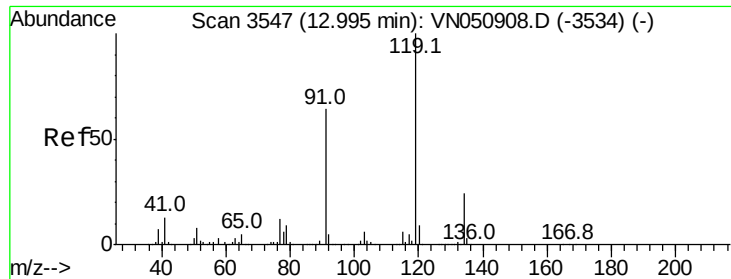
126 35.9 0.0 69.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

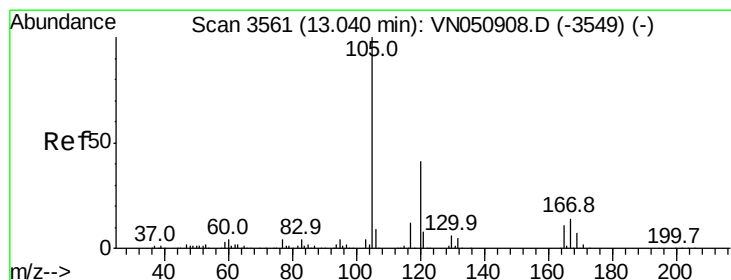
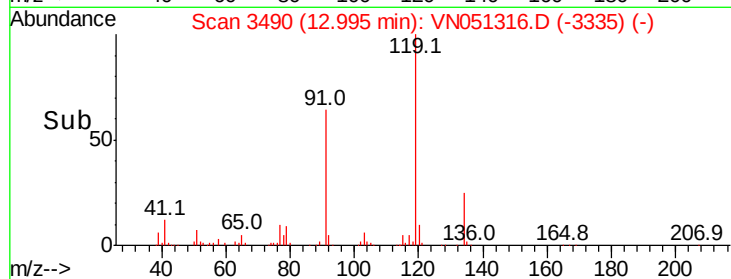
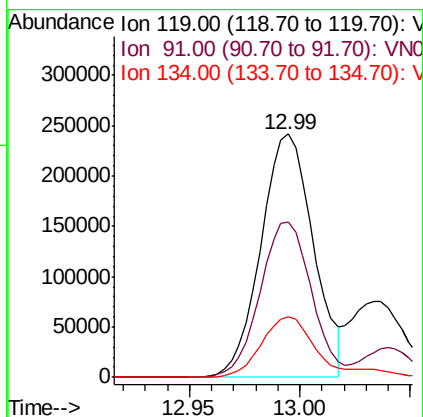
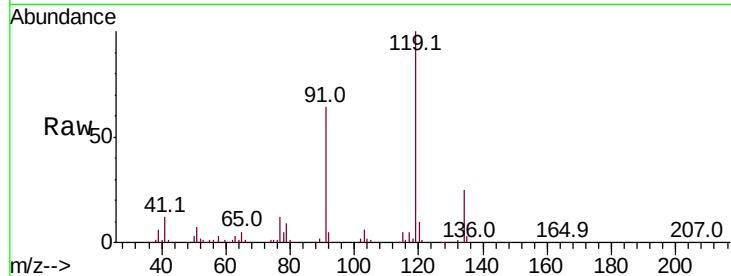




#79
tert-butylbenzene
Concen: 21.108 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN051316.D
Acq: 19 Sep 2018 14:01

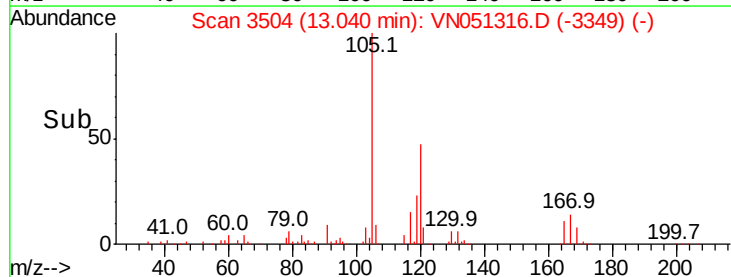
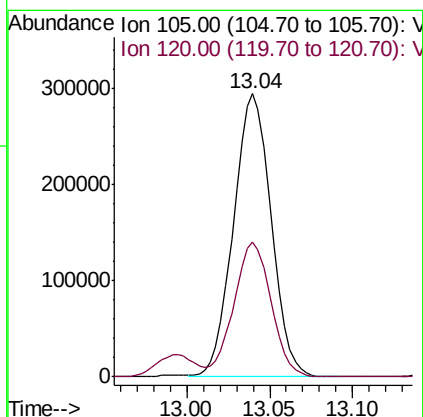
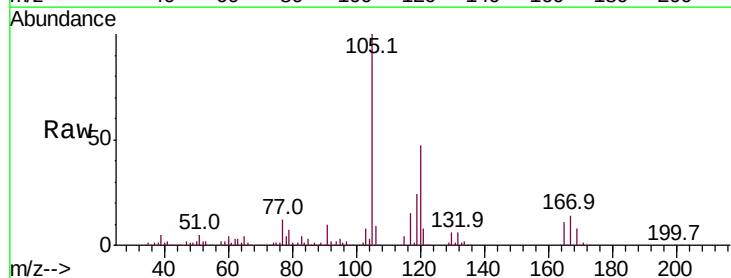
Instrument :
MSVOA_N
ClientSampled :

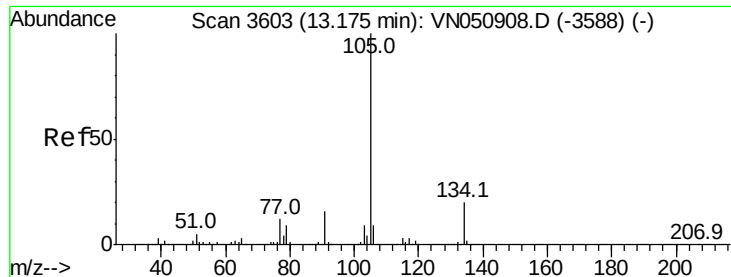
Tot Ion:119 Resp: 398001
Ion Ratio Lower Upper
119 100
91 62.6 0.0 125.6
134 24.6 0.0 48.4



#80
1,2,4-Trimethylbenzene
Concen: 21.499 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN051316.D
Acq: 19 Sep 2018 14:01

Tgt Ion:105 Resp: 465381
Ion Ratio Lower Upper
105 100
120 47.1 0.0 93.6





#81

sec-Butylbenzene

Concen: 21.109 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051316.D

Acq: 19 Sep 2018 14:01

Instrument :

MSVOA_N

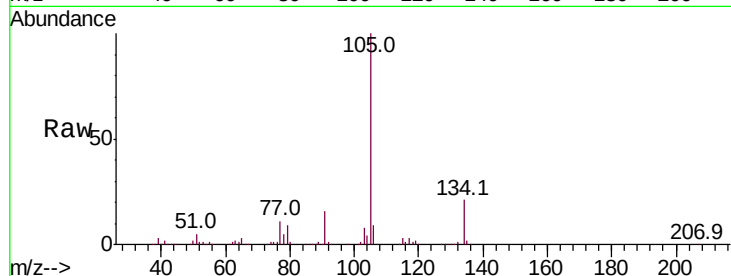
ClientSampled :

Tot Ion:105 Resp: 520781

Ion Ratio Lower Upper

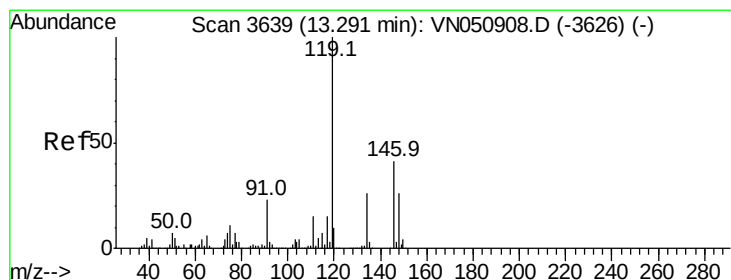
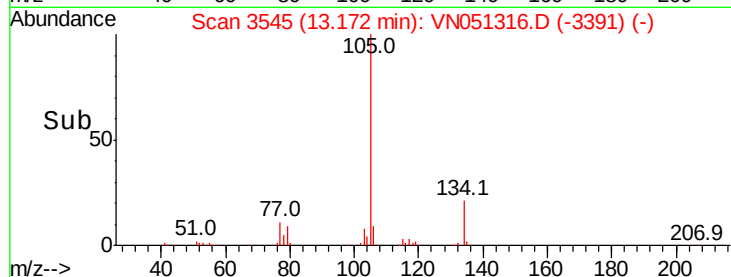
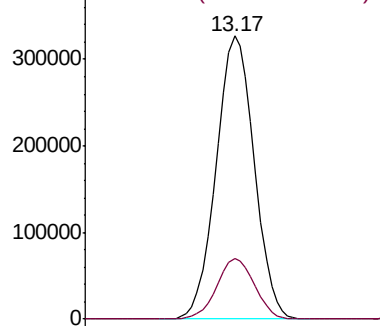
105 100

134 21.2 0.0 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 20.896 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN051316.D

Acq: 19 Sep 2018 14:01

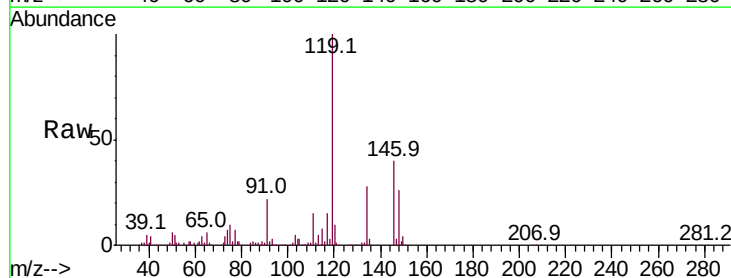
Tgt Ion:119 Resp: 444993

Ion Ratio Lower Upper

119 100

134 27.5 0.0 53.2

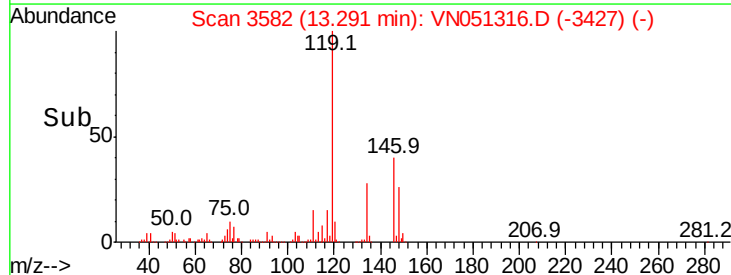
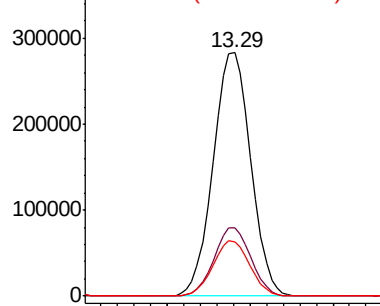
91 22.5 0.0 46.0

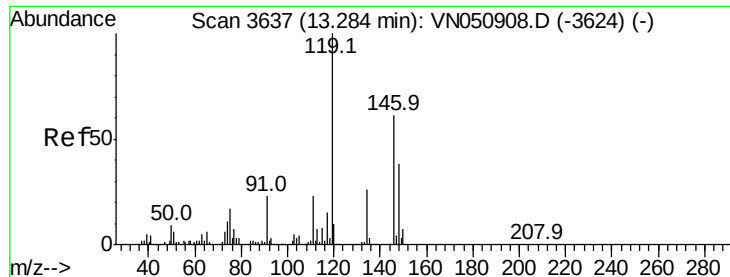


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#83

1,3-Dichlorobenzene

Concen: 20.322 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN051316.D

Acq: 19 Sep 2018 14:01

Instrument :

MSVOA_N

ClientSampleId :

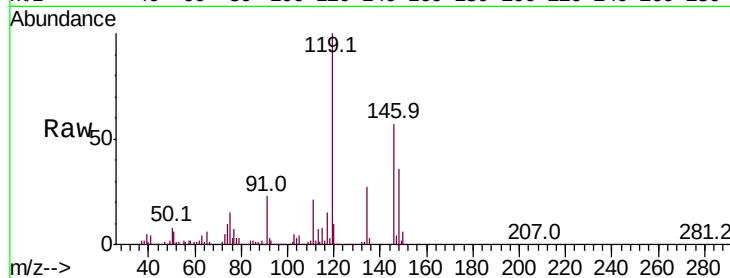
Tot Ion:146 Resp: 240177

Ion Ratio Lower Upper

146 100

111 37.6 18.6 55.6

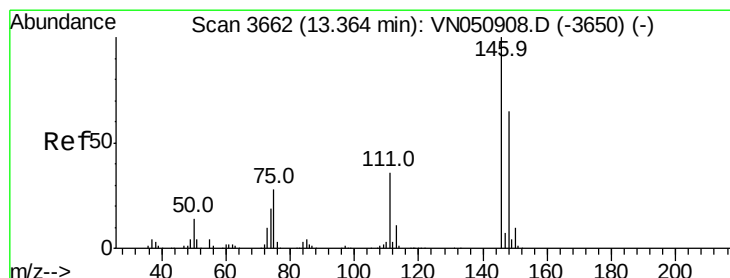
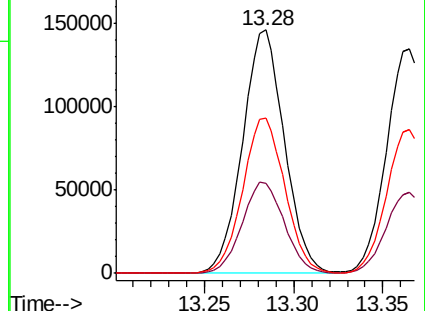
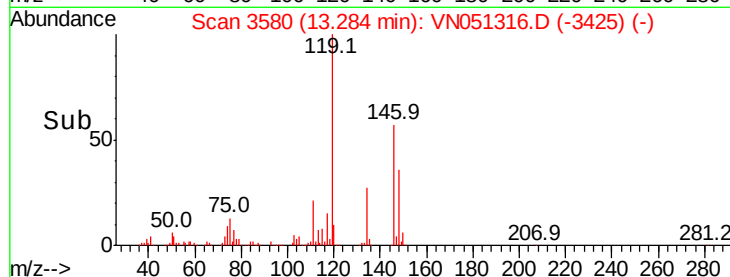
148 64.3 31.8 95.3



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



#84

1,4-Dichlorobenzene

Concen: 19.870 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VN051316.D

Acq: 19 Sep 2018 14:01

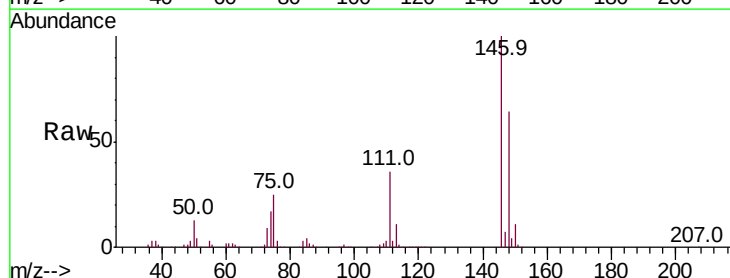
Tgt Ion:146 Resp: 222506

Ion Ratio Lower Upper

146 100

111 36.0 17.7 53.1

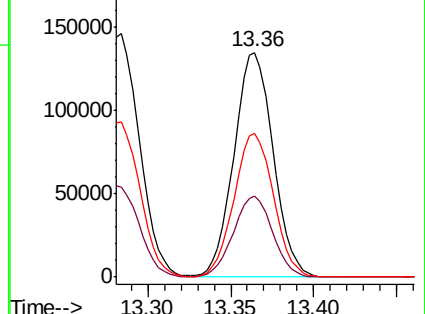
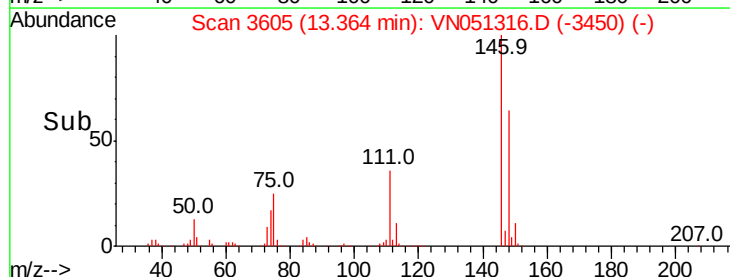
148 64.3 31.6 94.8

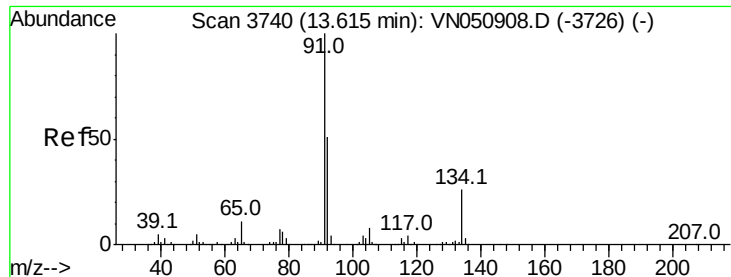


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#85

n-Butylbenzene

Concen: 18.470 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN051316.D

Acq: 19 Sep 2018 14:01

Instrument :

MSVOA_N

ClientSampled :

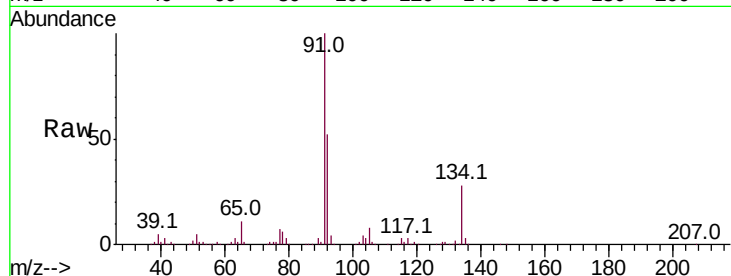
Tot Ion: 91 Resp: 300111

Ion Ratio Lower Upper

91 100

92 51.6 0.0 101.8

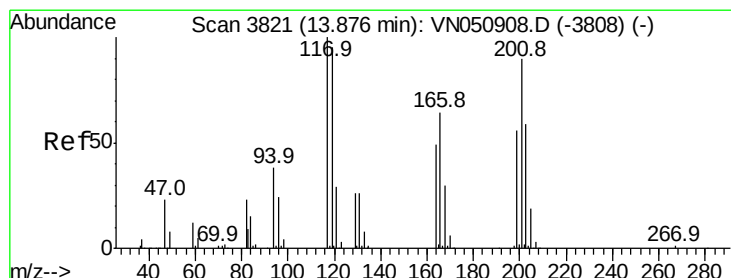
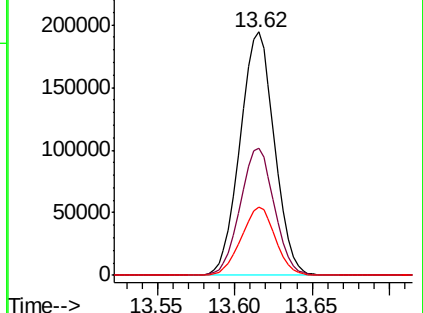
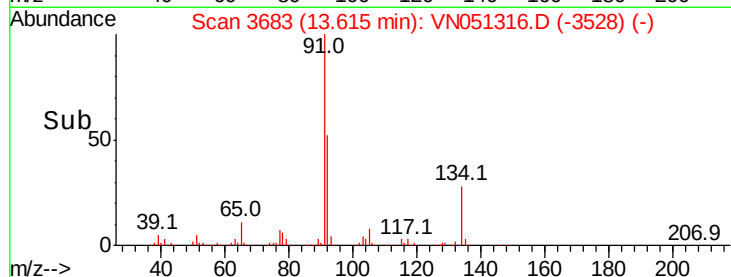
134 27.6 0.0 52.2



Abundance Ion 91.00 (90.70 to 91.70): VN051316.D (-3683) (-)

Ion 92.00 (91.70 to 92.70): VN051316.D (-3683) (-)

Ion 134.00 (133.70 to 134.70): VN051316.D (-3683) (-)



#86

Hexachloroethane

Concen: 20.907 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN051316.D

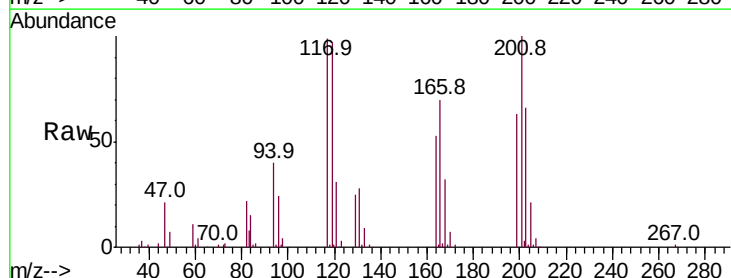
Acq: 19 Sep 2018 14:01

Tgt Ion: 117 Resp: 85457

Ion Ratio Lower Upper

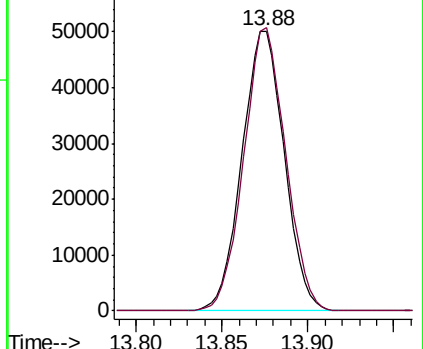
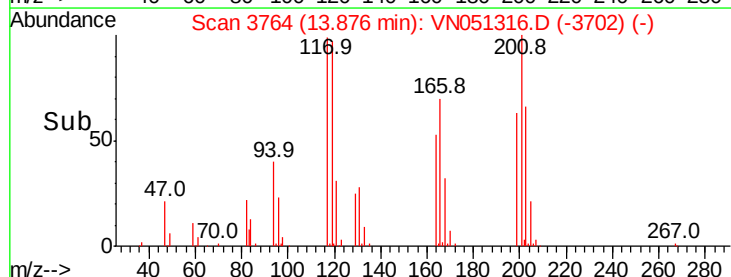
117 100

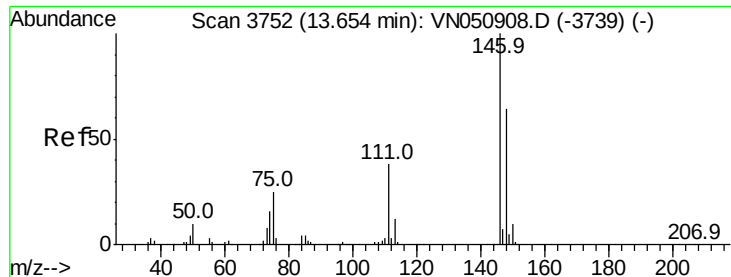
201 100.0 45.8 137.4



Abundance Ion 117.00 (116.70 to 117.70): VN051316.D (-3764) (-)

Ion 201.00 (200.70 to 201.70): VN051316.D (-3764) (-)

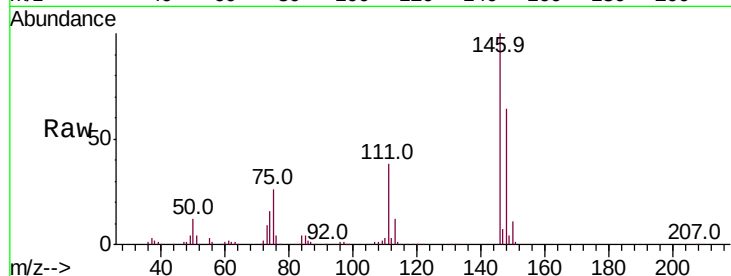




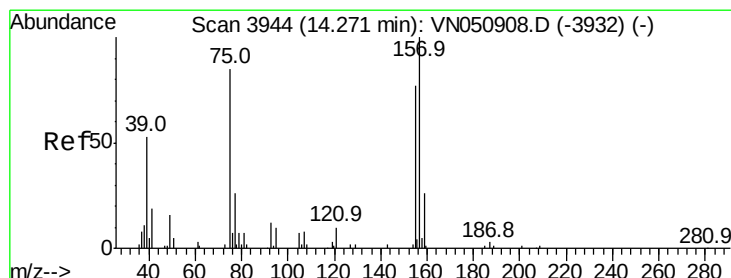
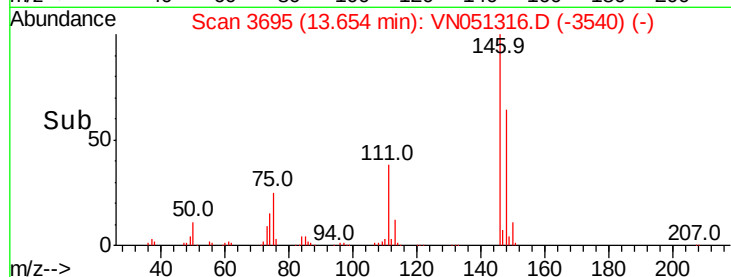
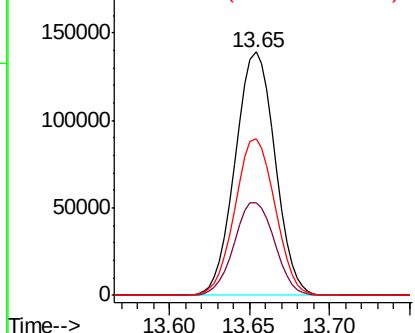
#87
 1,2-Dichlorobenzene
 Concen: 20.331 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN051316.D
 Acq: 19 Sep 2018 14:01

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.1	57.1
148	65.0	31.9	95.9

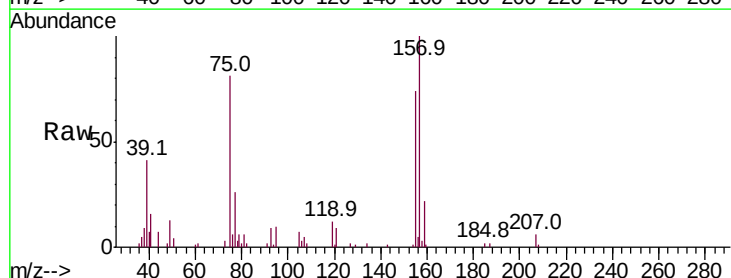


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

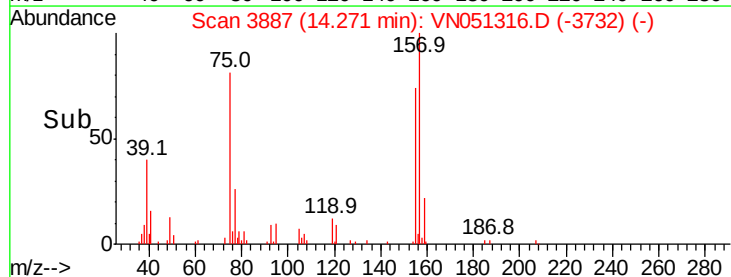
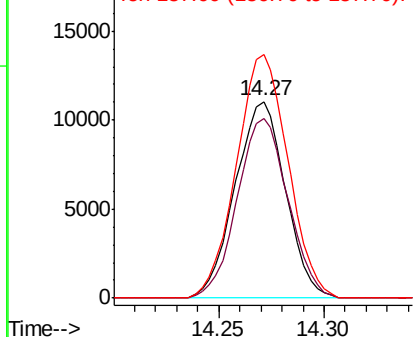


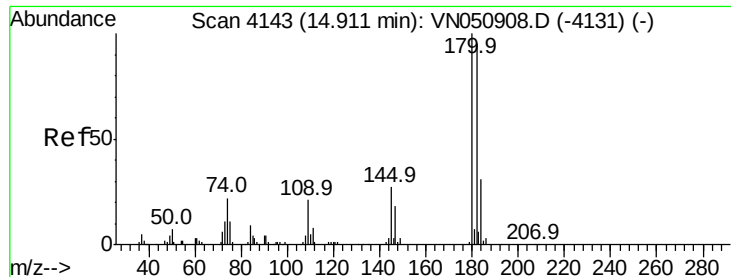
#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.193 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN051316.D
 Acq: 19 Sep 2018 14:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.9	71.8	107.6
157	127.1	91.1	136.7



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 155.00 (154.70 to 155.70): V
 Ion 157.00 (156.70 to 157.70): V





#89

1,2,4-Trichlorobenzene

Concen: 14.860 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. -0.00 min

Lab File: VN051316.D

Acq: 19 Sep 2018 14:01

Instrument :

MSVOA_N

ClientSampled :

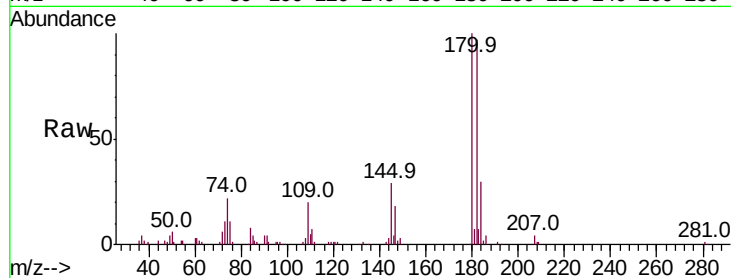
Tot Ion:180 Resp: 76956

Ion Ratio Lower Upper

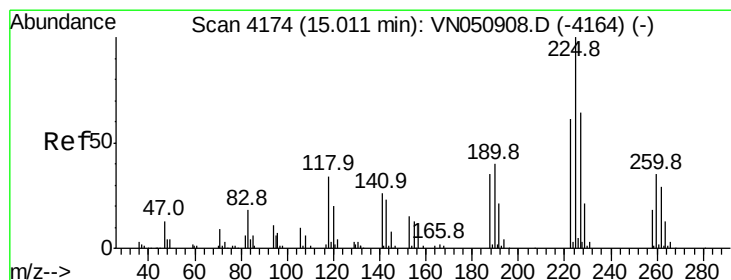
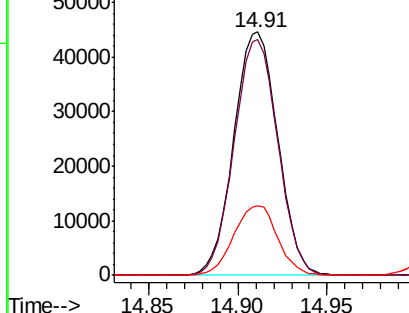
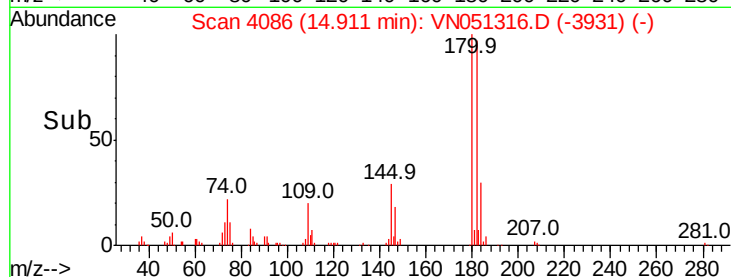
180 100

182 96.0 76.2 114.4

145 28.4 22.2 33.4



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



#90

Hexachlorobutadiene

Concen: 23.831 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. -0.00 min

Lab File: VN051316.D

Acq: 19 Sep 2018 14:01

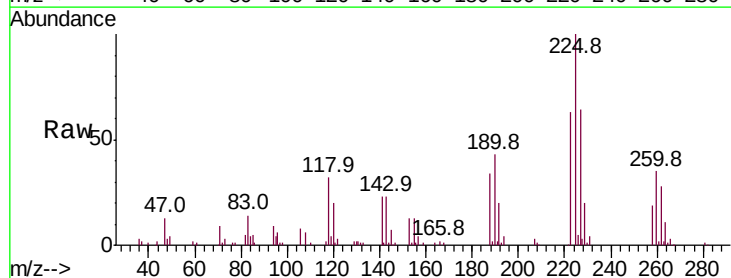
Tgt Ion:225 Resp: 83850

Ion Ratio Lower Upper

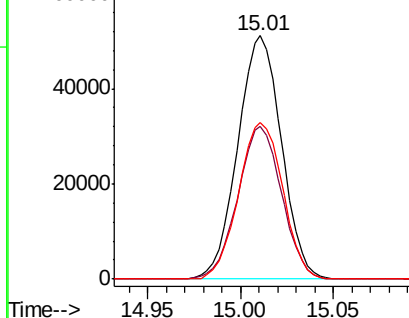
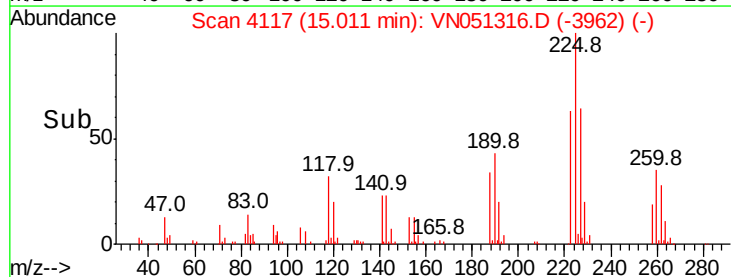
225 100

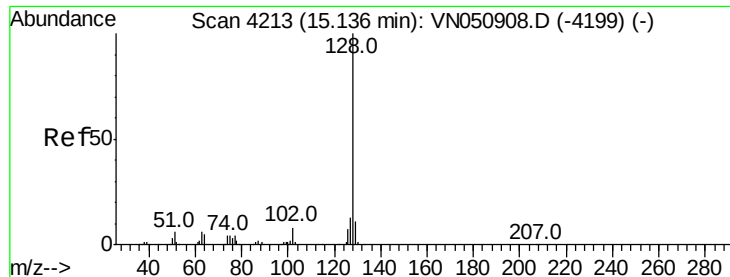
223 63.1 0.0 127.8

227 65.2 0.0 128.4



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: 16.961 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051316.D

Acq: 19 Sep 2018 14:01

Instrument :

MSVOA_N

ClientSampled :

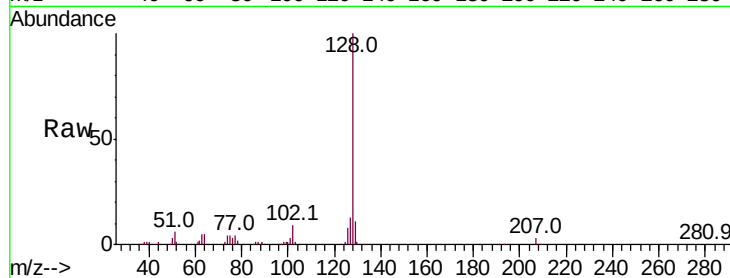
Tot Ion:128 Resp: 135721

Ion Ratio Lower Upper

128 100

127 13.0 10.6 16.0

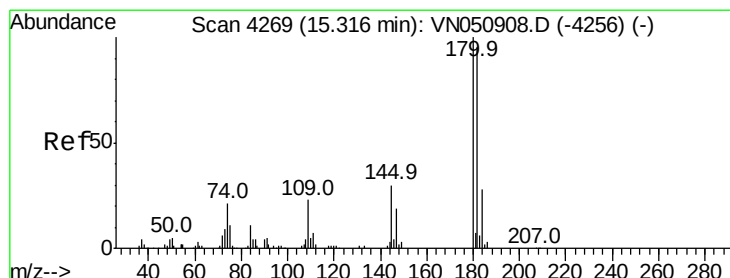
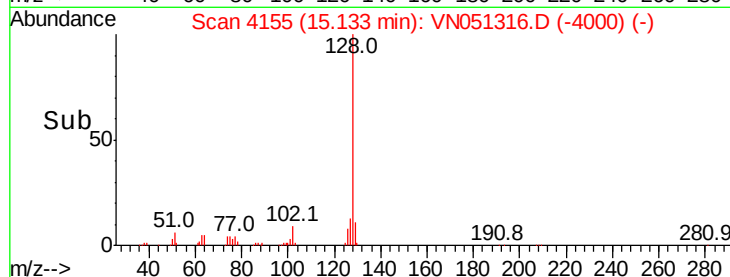
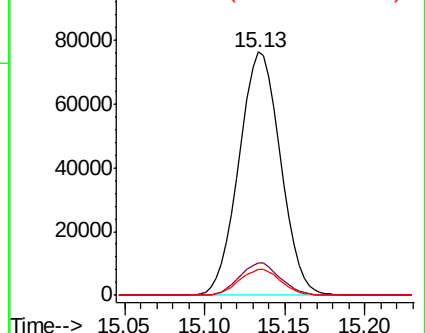
129 10.6 8.7 13.1



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: 16.521 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN051316.D

Acq: 19 Sep 2018 14:01

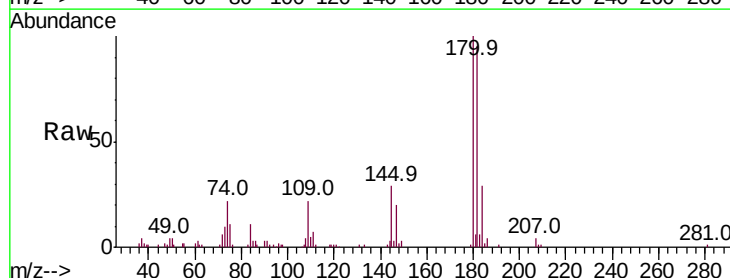
Tgt Ion:180 Resp: 85854

Ion Ratio Lower Upper

180 100

182 96.2 0.0 192.8

145 28.1 0.0 60.0



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

