

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091918\
 Data File : VN051314.D
 Acq On : 19 Sep 2018 13:12
 Operator : MD\SY
 Sample : VN0919WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 19 16:04:55 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	103950	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	549954	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	476048	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	185076	27.90	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	93.00%
60) 4-Bromofluorobenzene	12.40	95	204200	28.85	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.17%
63) Toluene-d8	10.09	98	672005	30.27	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.90%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	107911	16.716	ug/l 100
3) Chloromethane	2.06	50	142413	18.682	ug/l 100
4) Vinyl Chloride	2.18	62	146076	19.395	ug/l 99
5) Bromomethane	2.57	94	82852	18.047	ug/l 99
6) Chloroethane	2.70	64	87370	19.667	ug/l 99
7) Trichlorofluoromethane	3.02	101	199300	19.960	ug/l 97
8) Diethyl Ether	3.41	74	66793	18.973	ug/l 92
9) 1,1,2-Trichlorotrifluoroet	3.76	101	122023	19.734	ug/l 96
10) 1,1-Dichloroethene	3.74	96	111780	19.901	ug/l 98
11) Methyl Iodide	3.95	142	108223	20.651	ug/l 99
12) Methyl Acetate	4.33	43	87851	13.526	ug/l 100
13) Acrolein	3.61	56	31230	217.147	ug/l 100
14) Acrylonitrile	4.99	53	179289	81.644	ug/l 98
15) Acetone	3.82	58	44515	79.217	ug/l 88
16) Carbon Disulfide	4.05	76	326369	19.325	ug/l 100
17) Allyl chloride	4.33	41	159394	18.035	ug/l 96
18) Methylene Chloride	4.55	84	129463	19.637	ug/l 98
19) trans-1,2-Dichloroethene	5.04	96	122519	20.473	ug/l 96
20) Diisopropyl ether	5.95	45	349559	19.054	ug/l 96
21) 1,1-Dichloroethane	5.85	63	219326	19.499	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	134653	19.919	ug/l 99
23) tert-Butyl Alcohol	4.79	59	33819	72.414	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	280231	18.241	ug/l 99
25) Chloroform	7.37	83	226592	20.184	ug/l 99
26) Cyclohexane	7.65	56	176882	18.981	ug/l # 97
29) 1,1-Dichloropropene	7.79	75	167445	20.337	ug/l 99
30) 2-Butanone	6.84	43	186686	73.706	ug/l 98
31) 2,2-Dichloropropane	6.82	77	174640	21.799	ug/l 99
32) 1,1,1-Trichloroethane	7.57	97	194036	20.783	ug/l 98
33) Carbon Tetrachloride	7.78	117	176967	21.047	ug/l 96
34) Benzene	8.04	78	516177	20.266	ug/l 97
35) Methacrylonitrile	7.18	41	43108	15.535	ug/l 98
36) 1,2-Dichloroethane	8.13	62	155122	20.138	ug/l 100
37) Trichloroethene	8.84	130	139636	20.975	ug/l 94
38) Methylcyclohexane	9.08	83	176309	19.938	ug/l 99
39) 1,2-Dichloropropane	9.12	63	133435	20.059	ug/l 100
40) Dibromomethane	9.21	93	80048	19.976	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	169691	20.088	ug/l	99
42) Vinyl Acetate	5.90	43	1072108	91.896	ug/l	98
43) Ethyl Acetate	6.93	43	86660	16.702	ug/l	97
44) Isopropyl Acetate	8.17	43	164405	17.956	ug/l	100
45) 1,4-Dioxane	9.20	88	22706	333.847	ug/l	97
46) Methyl methacrylate	9.20	41	73743	16.082	ug/l	97
47) n-amyl Acetate	12.07	43	106623	14.485	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	156902	18.949	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	190840	20.064	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	115365	19.814	ug/l	97
51) Ethyl methacrylate	10.43	69	123905	17.393	ug/l	97
52) 1,3-Dichloropropane	10.71	76	186317	19.319	ug/l	99
53) Dibromochloromethane	10.90	129	132703	20.044	ug/l	100
54) 1,2-Dibromoethane	11.01	107	110241	19.148	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	232152	78.322	ug/l	97
56) Bromoform	12.13	173	91010	19.328	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	424578	77.951	ug/l	98
59) 2-Hexanone	10.75	43	258071	72.488	ug/l	99
61) Tetrachloroethene	10.63	164	132590	22.351	ug/l	99
62) Toluene	10.16	91	550544	20.730	ug/l	100
64) Chlorobenzene	11.43	112	347758	21.128	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	134216	21.597	ug/l	99
66) Ethyl Benzene	11.51	91	554733	20.165	ug/l	99
67) m/p-Xylenes	11.62	106	450095	42.524	ug/l	98
68) o-Xylene	11.95	106	217268	21.483	ug/l	97
69) Styrene	11.96	104	333794	20.758	ug/l	99
70) Isopropylbenzene	12.25	105	561059	20.877	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.50	83	134689	18.511	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	151162	24.080	ug/l	91
73) Bromobenzene	12.53	156	145003	20.507	ug/l	94
74) n-propylbenzene	12.59	91	608332	20.022	ug/l	97
75) 2-Chlorotoluene	12.67	91	379332	20.551	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	462125	21.042	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	29159	16.304	ug/l	94
78) 4-Chlorotoluene	12.77	91	365209	20.094	ug/l	99
79) tert-butylbenzene	12.99	119	401193	21.034	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	461797	21.090	ug/l	100
81) sec-Butylbenzene	13.17	105	513890	20.592	ug/l	99
82) p-Isopropyltoluene	13.29	119	443304	20.580	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	233794	19.557	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	217022	19.160	ug/l	98
85) n-Butylbenzene	13.62	91	292912	17.821	ug/l	99
86) Hexachloroethane	13.87	117	85621	20.709	ug/l	93
87) 1,2-Dichlorobenzene	13.65	146	233889	19.877	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	16954	16.655	ug/l	93
89) 1,2,4-Trichlorobenzene	14.91	180	72637	13.866	ug/l	99
90) Hexachlorobutadiene	15.01	225	79002	22.198	ug/l	99
91) Naphthalene	15.13	128	122247	16.043	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	80960	15.402	ug/l	98

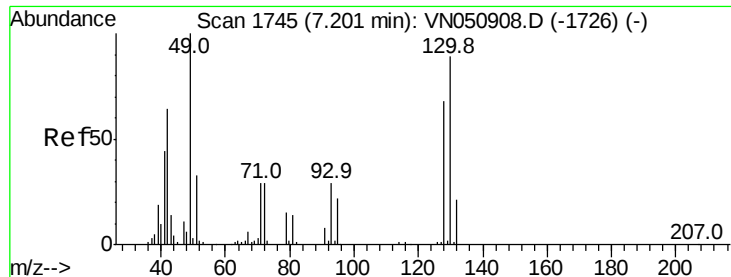
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN051314.D

Acq: 19 Sep 2018 13:12

Instrument :
MSVOA_N
ClientSampleId :

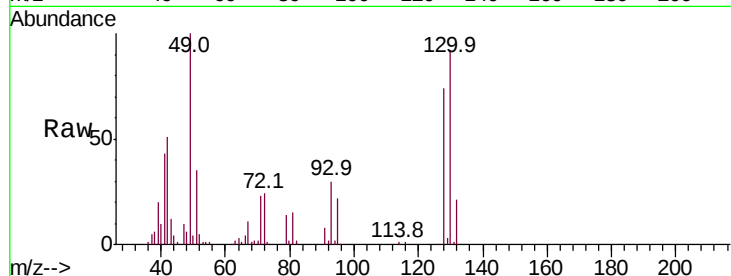
Tot Ion:128 Resp: 103950

Ion Ratio Lower Upper

128 100

49 136.4 0.0 380.3

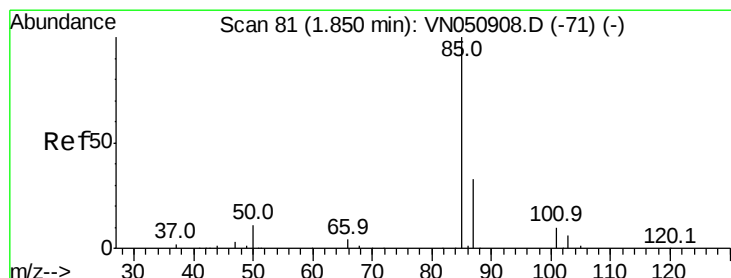
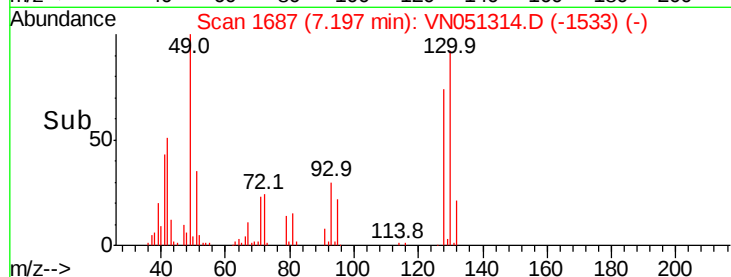
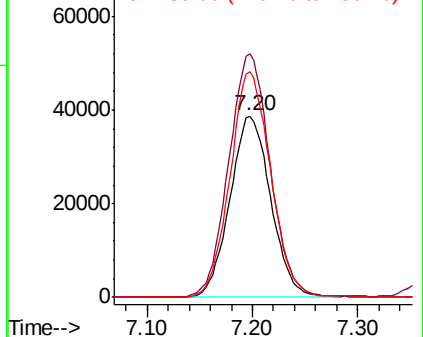
130 123.8 0.0 325.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 16.716 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN051314.D

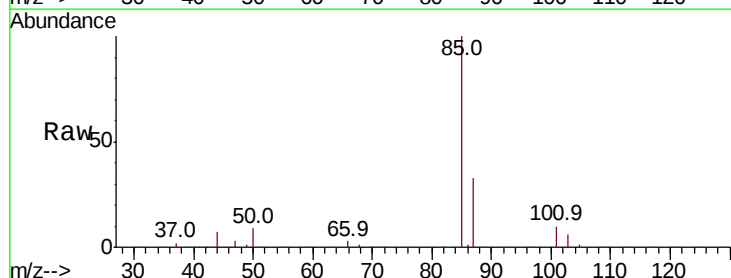
Acq: 19 Sep 2018 13:12

Tgt Ion: 85 Resp: 107911

Ion Ratio Lower Upper

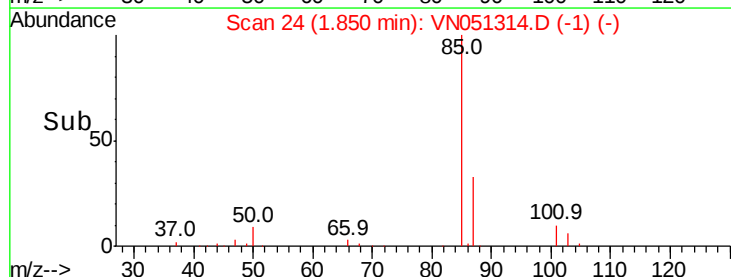
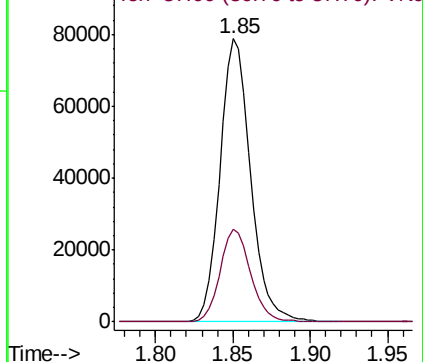
85 100

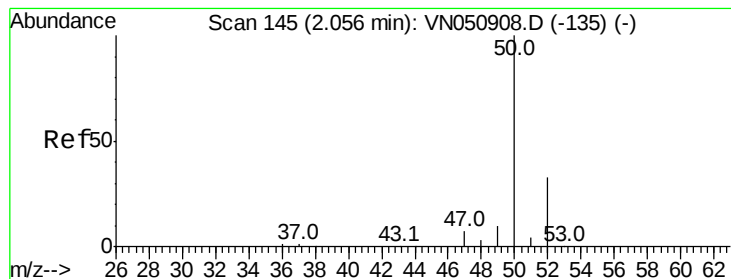
87 32.6 16.4 49.1



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 18.682 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN051314.D

Acq: 19 Sep 2018 13:12

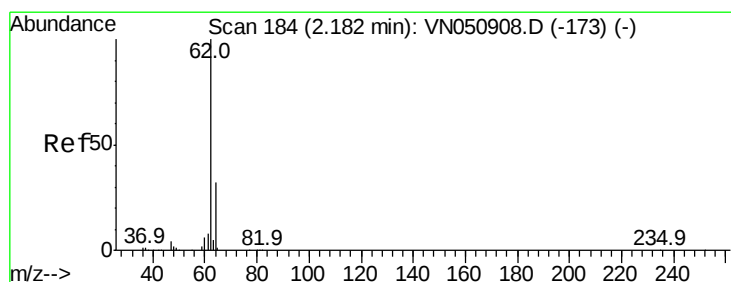
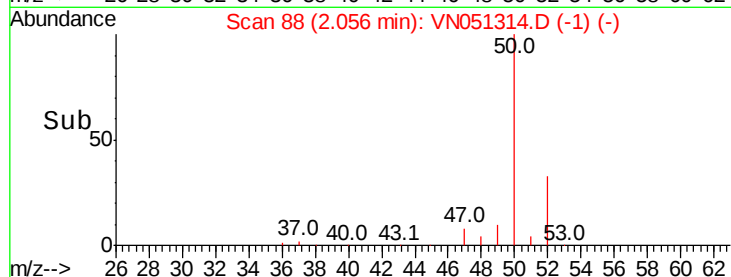
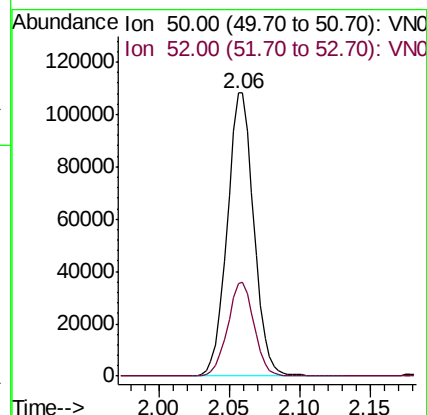
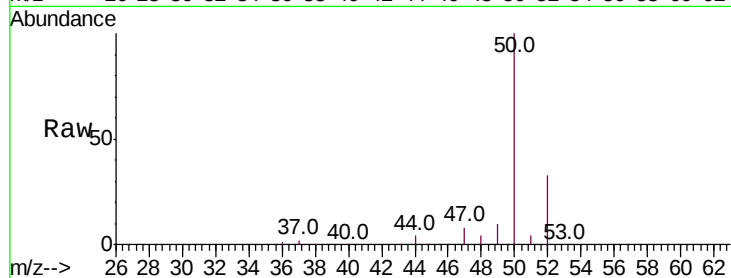
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 50 Resp: 142413

Ion Ratio Lower Upper

50 100

52 32.5 26.2 39.4



#4

Vinyl Chloride

Concen: 19.395 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN051314.D

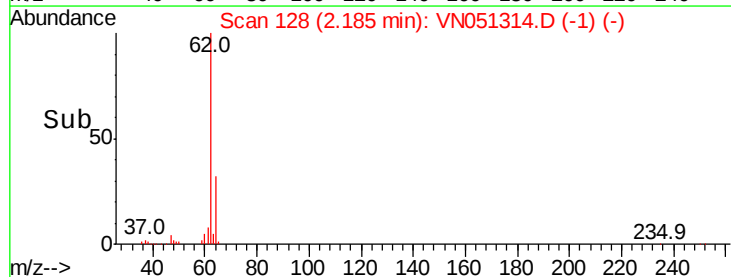
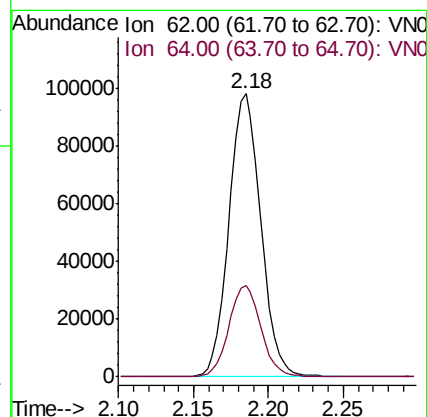
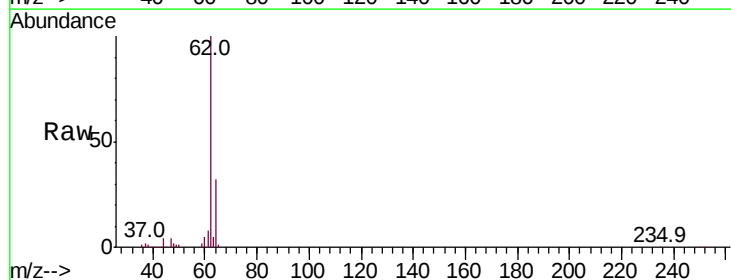
Acq: 19 Sep 2018 13:12

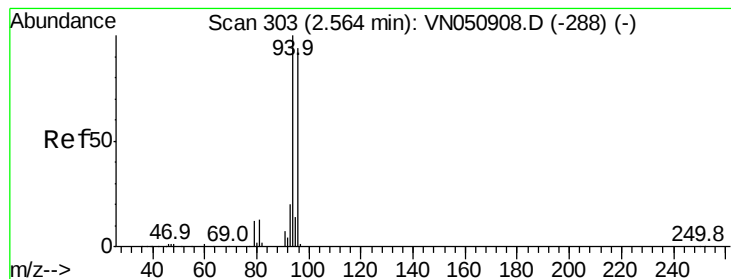
Tgt Ion: 62 Resp: 146076

Ion Ratio Lower Upper

62 100

64 32.3 25.4 38.0





#5

Bromomethane

Concen: 18.047 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN051314.D

Acq: 19 Sep 2018 13:12

Instrument :

MSVOA_N

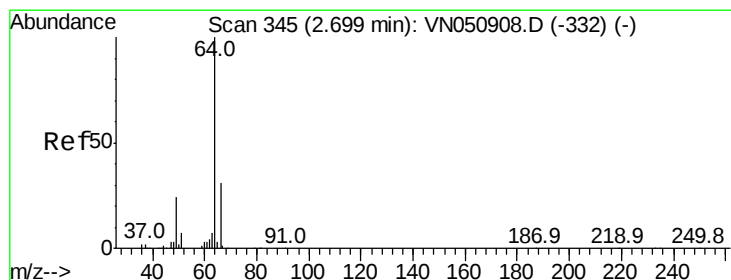
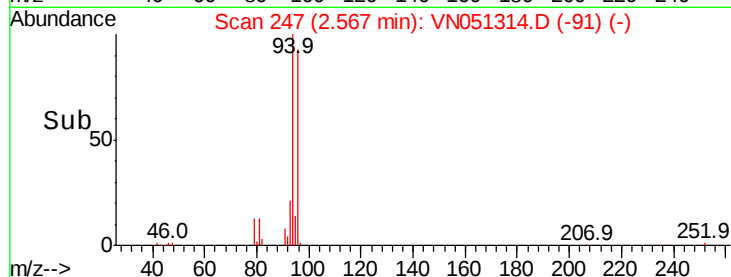
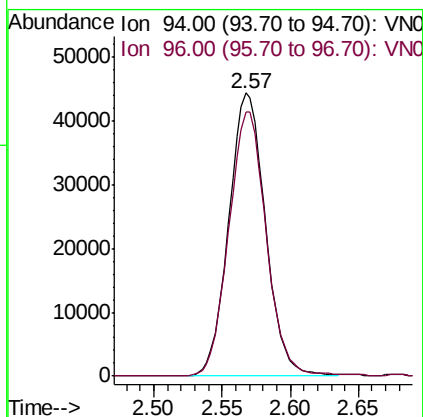
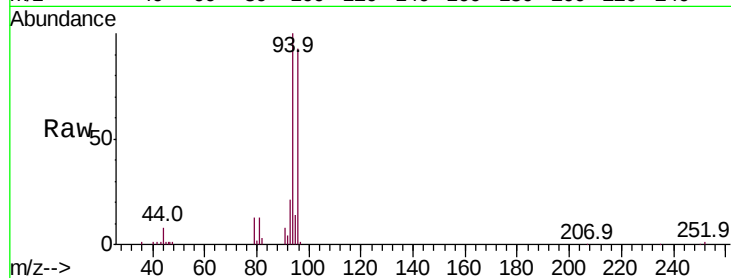
ClientSampled :

Tot Ion: 94 Resp: 82852

Ion Ratio Lower Upper

94 100

96 93.0 74.9 112.3



#6

Chloroethane

Concen: 19.667 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN051314.D

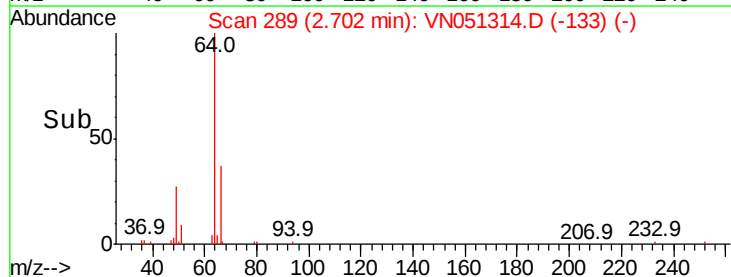
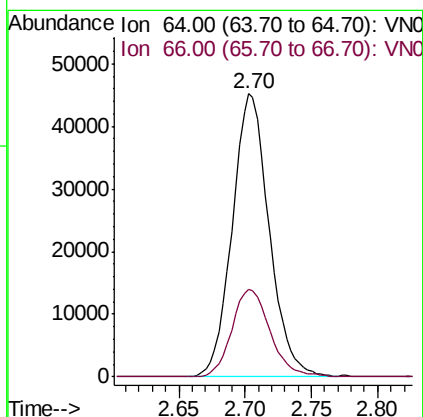
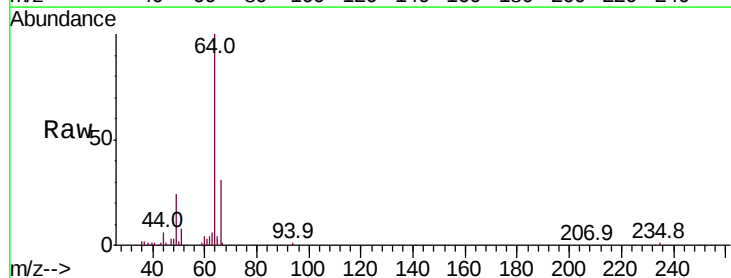
Acq: 19 Sep 2018 13:12

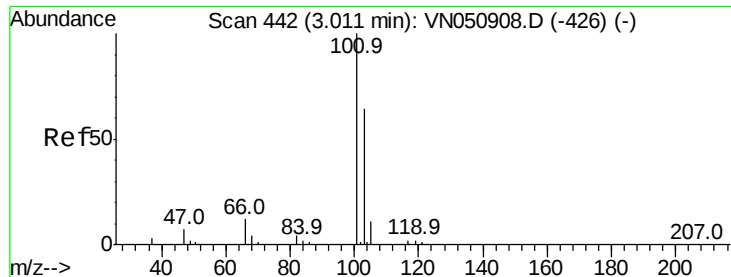
Tgt Ion: 64 Resp: 87370

Ion Ratio Lower Upper

64 100

66 30.9 24.5 36.7



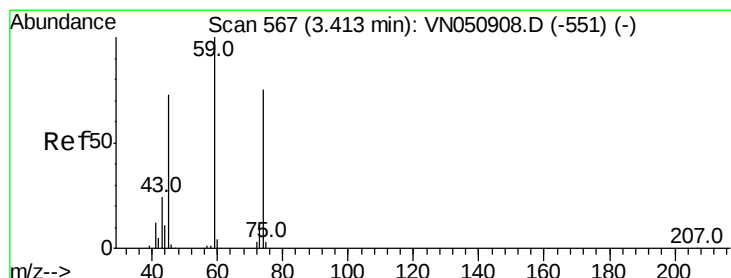
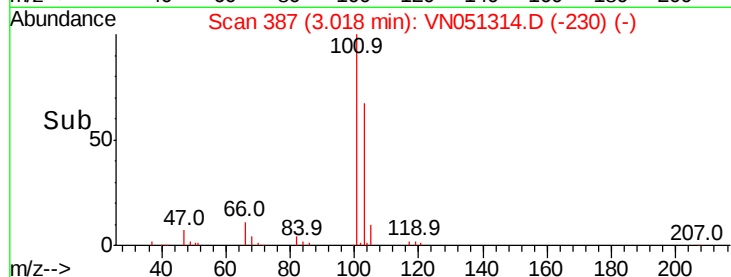
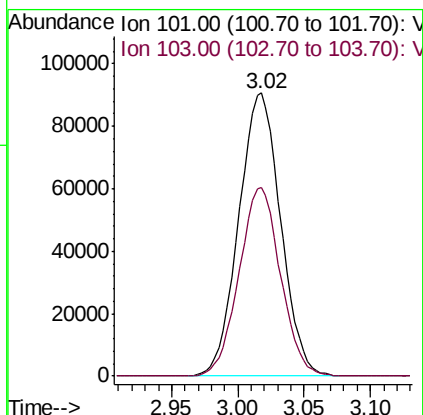
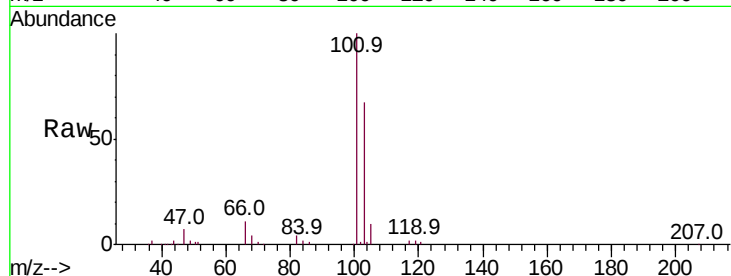


#7

Trichlorofluoromethane
 Concen: 19.960 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.01 min
 Lab File: VN051314.D
 Acq: 19 Sep 2018 13:12

Instrument :
 MSVOA_N
 ClientSampled :

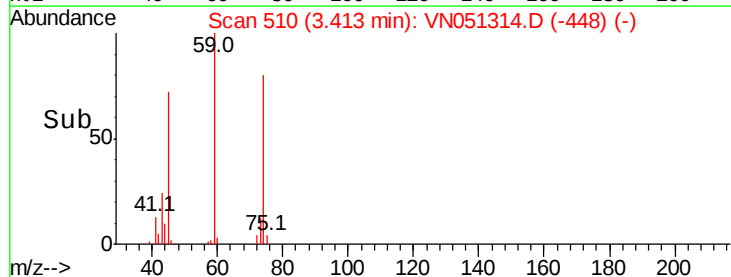
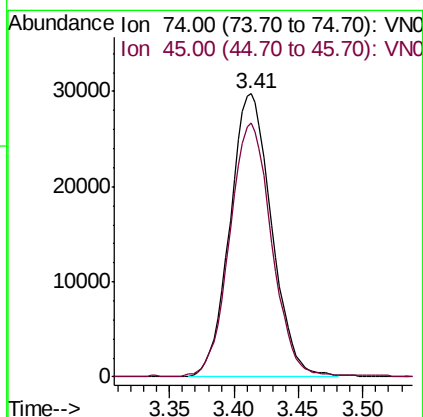
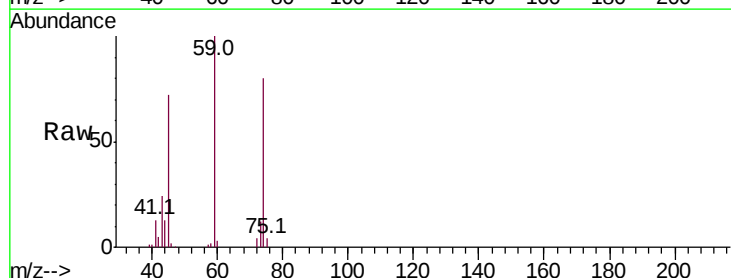
Tot Ion:101 Resp: 199300
 Ion Ratio Lower Upper
 101 100
 103 66.7 51.3 76.9

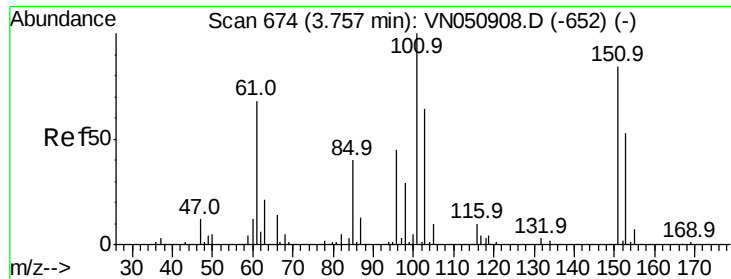


#8

Diethyl Ether
 Concen: 18.973 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN051314.D
 Acq: 19 Sep 2018 13:12

Tgt Ion: 74 Resp: 66793
 Ion Ratio Lower Upper
 74 100
 45 90.3 19.7 177.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.734 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN051314.D

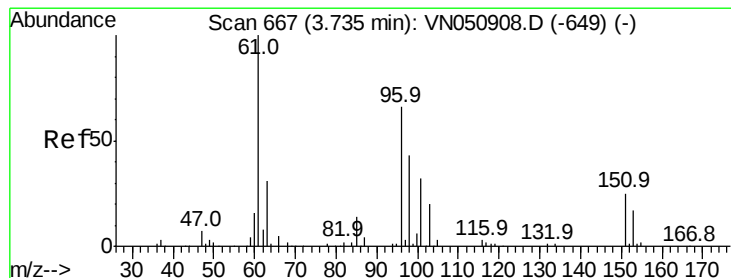
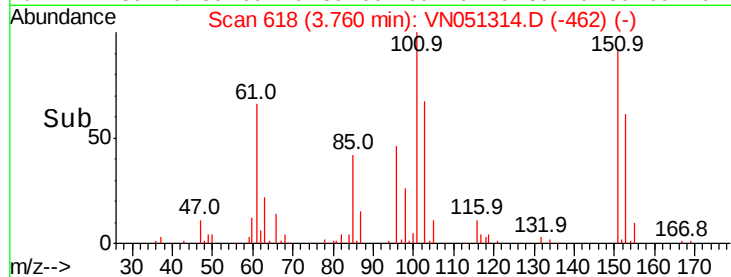
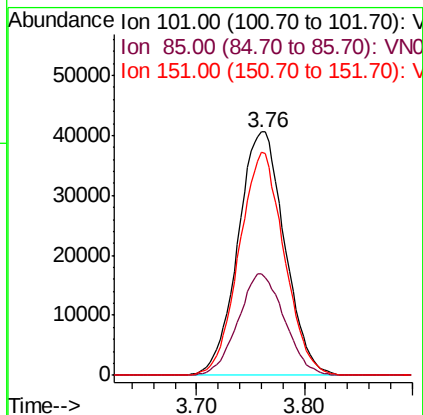
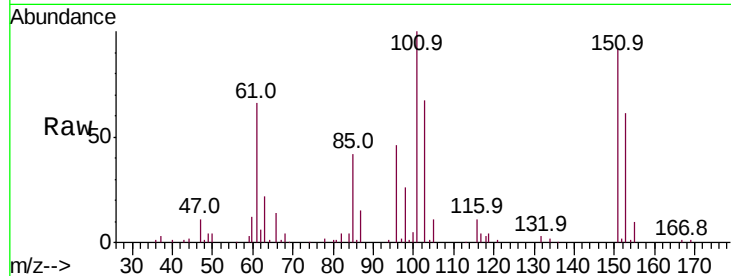
Acq: 19 Sep 2018 13:12

Instrument :

MSVOA_N

ClientSampled :

Tot Ion:	101	Resp:	122023
Ion	Ratio	Lower	Upper
101	100		
85	41.3	0.0	83.6
151	88.3	0.0	167.0



#10

1,1-Dichloroethene

Concen: 19.901 ug/l

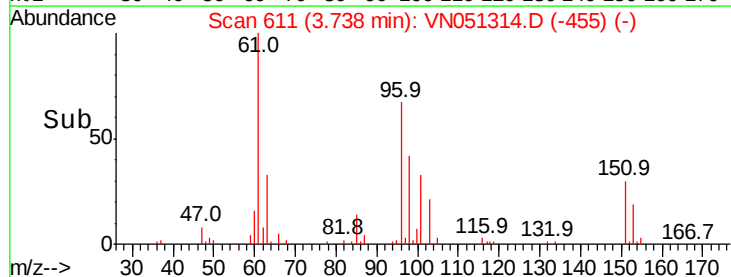
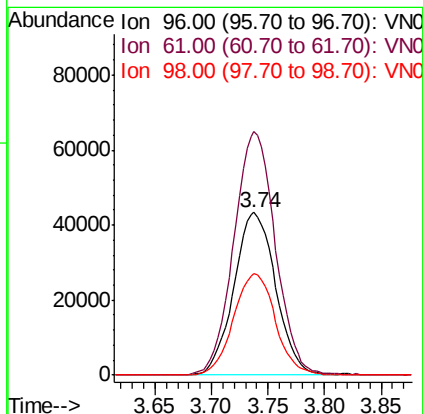
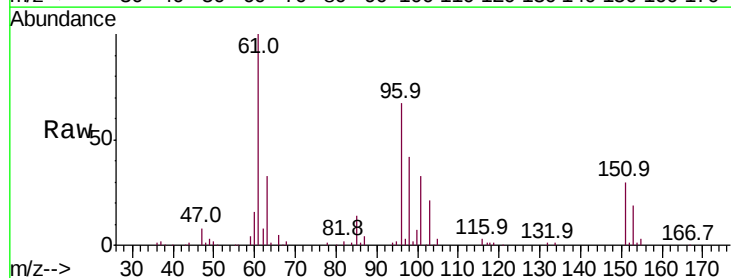
RT: 3.74 min Scan# 611

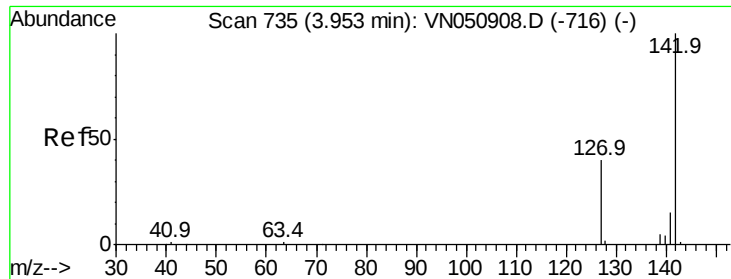
Delta R.T. 0.00 min

Lab File: VN051314.D

Acq: 19 Sep 2018 13:12

Tgt Ion:	96	Resp:	111780
Ion	Ratio	Lower	Upper
96	100		
61	149.9	121.8	182.8
98	62.8	52.3	78.5

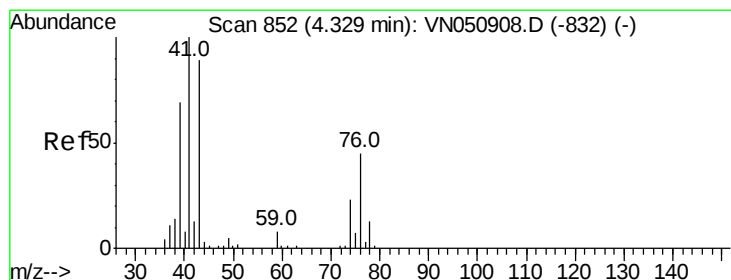
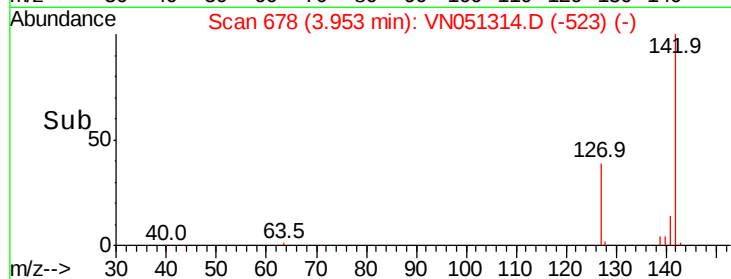
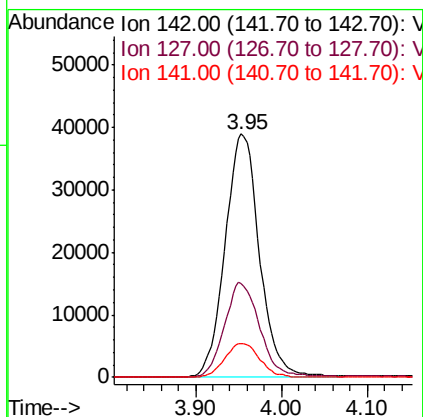
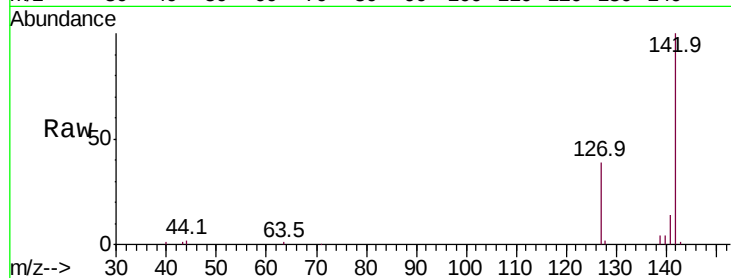




#11
Methyl Iodide
Concen: 20.651 ug/l
RT: 3.95 min Scan# 678
Delta R.T. -0.00 min
Lab File: VN051314.D
Acq: 19 Sep 2018 13:12

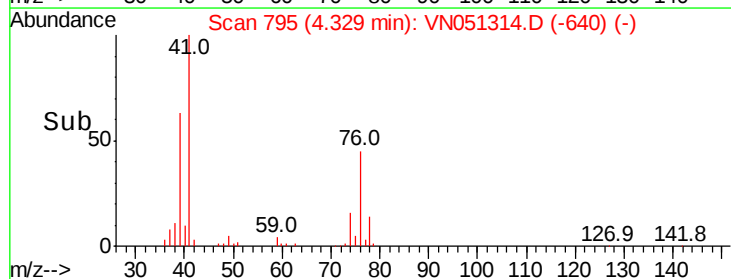
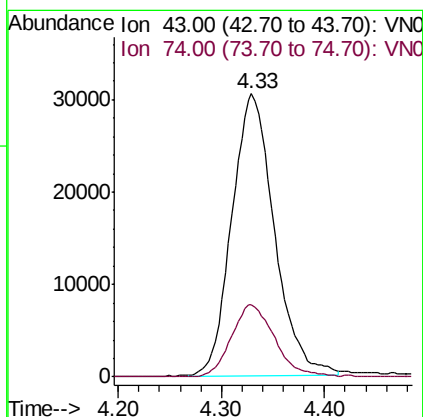
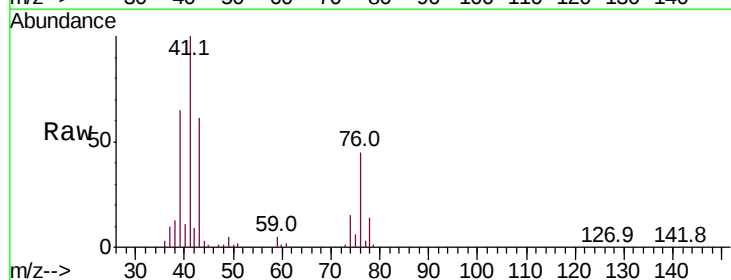
Instrument :
MSVOA_N
ClientSampled :

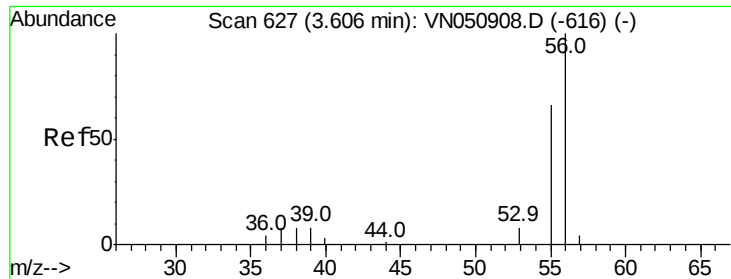
Tot Ion:142 Resp: 108223
Ion Ratio Lower Upper
142 100
127 38.8 19.7 59.1
141 13.7 7.3 22.0



#12
Methyl Acetate
Concen: 13.526 ug/l
RT: 4.33 min Scan# 795
Delta R.T. -0.00 min
Lab File: VN051314.D
Acq: 19 Sep 2018 13:12

Tgt Ion: 43 Resp: 87851
Ion Ratio Lower Upper
43 100
74 25.6 20.6 31.0





#13

Acrolein

Concen: 217.147 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN051314.D

Acq: 19 Sep 2018 13:12

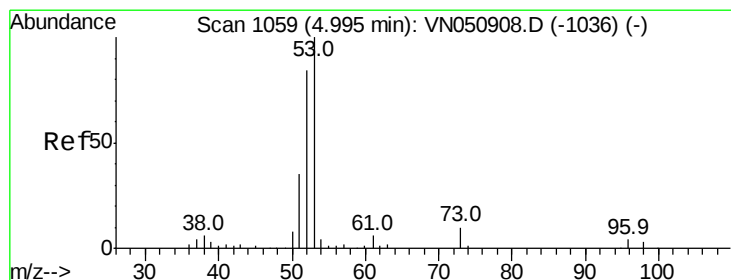
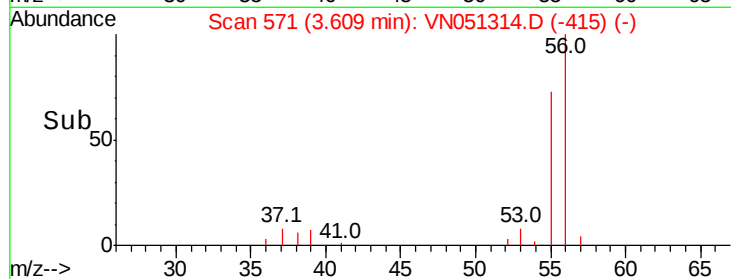
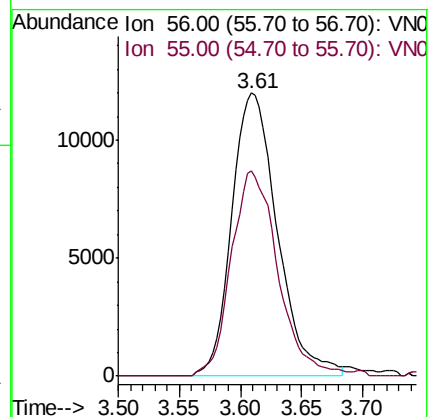
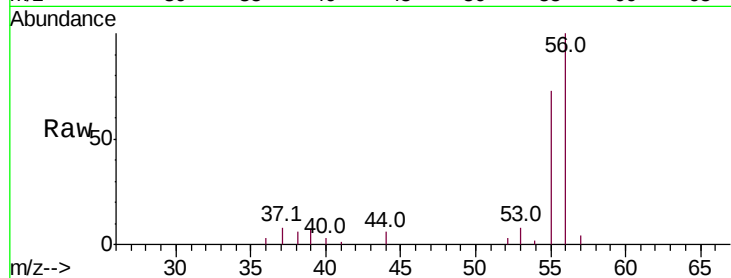
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 31230

Ion Ratio Lower Upper

56 100

55 73.9 59.1 88.7



#14

Acrylonitrile

Concen: 81.644 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.01 min

Lab File: VN051314.D

Acq: 19 Sep 2018 13:12

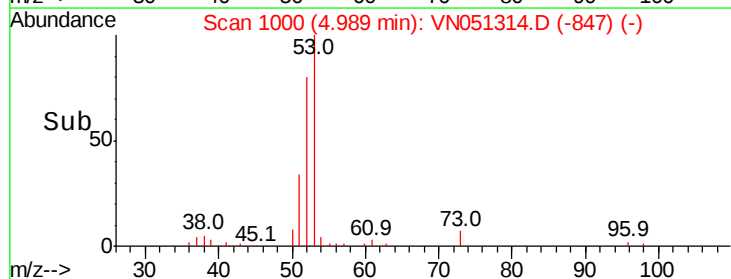
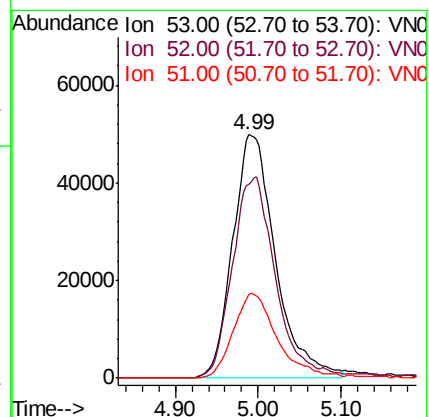
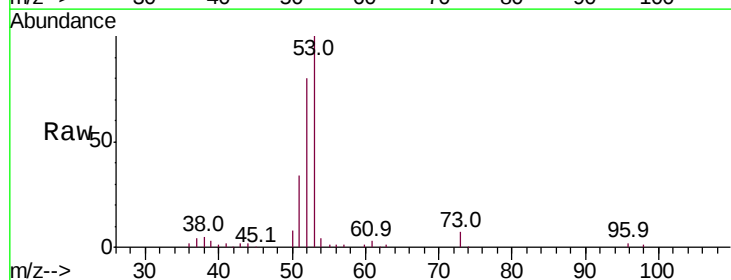
Tgt Ion: 53 Resp: 179289

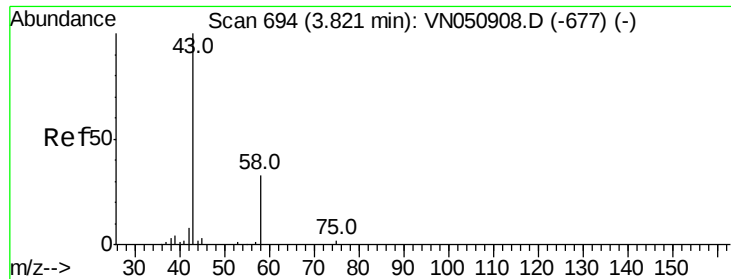
Ion Ratio Lower Upper

53 100

52 81.6 42.2 126.6

51 35.2 17.7 53.1





#15

Acetone

Concen: 79.217 ug/l

RT: 3.82 min Scan# 637

Delta R.T. -0.00 min

Lab File: VN051314.D

Acq: 19 Sep 2018 13:12

Instrument :

MSVOA_N

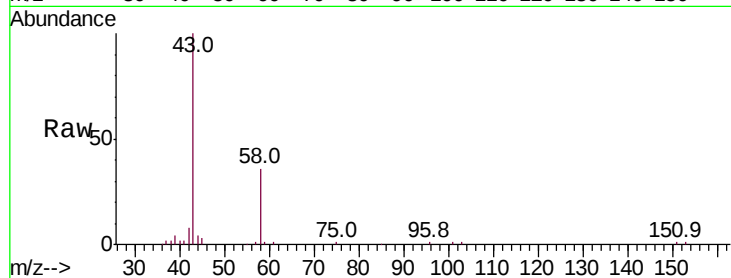
ClientSampleId :

Tot Ion: 58 Resp: 44515

Ion Ratio Lower Upper

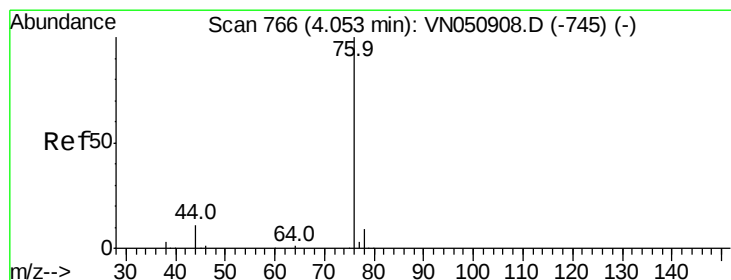
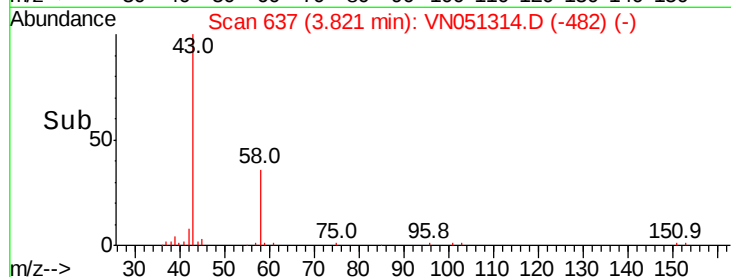
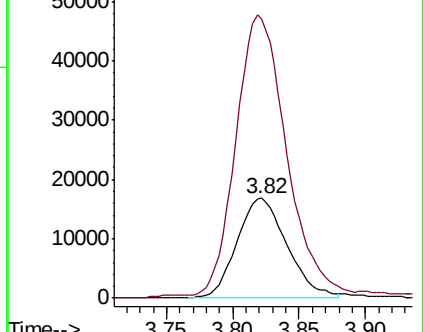
58 100

43 275.5 239.4 359.0



Abundance Ion 58.00 (57.70 to 58.70): VN051314.D (-677) (-)

Ion 43.00 (42.70 to 43.70): VN051314.D (-677) (-)



#16

Carbon Disulfide

Concen: 19.325 ug/l

RT: 4.05 min Scan# 709

Delta R.T. -0.00 min

Lab File: VN051314.D

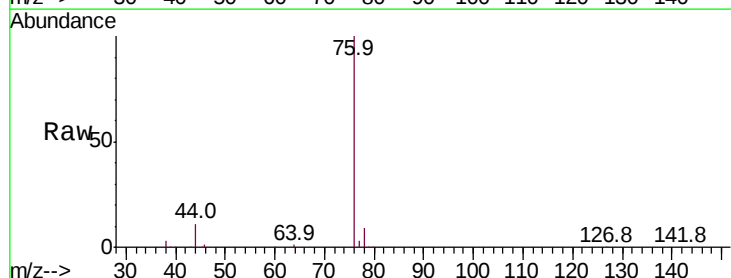
Acq: 19 Sep 2018 13:12

Tgt Ion: 76 Resp: 326369

Ion Ratio Lower Upper

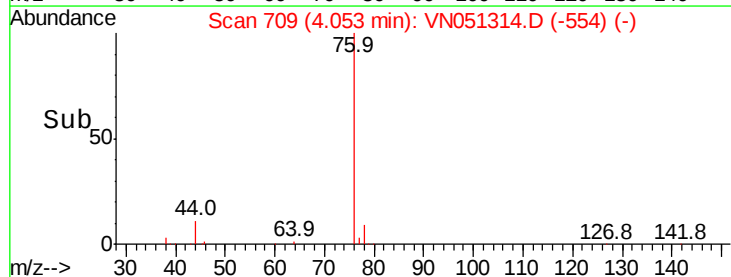
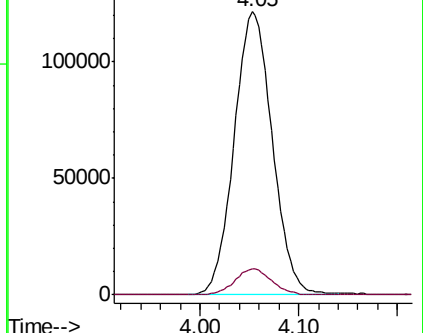
76 100

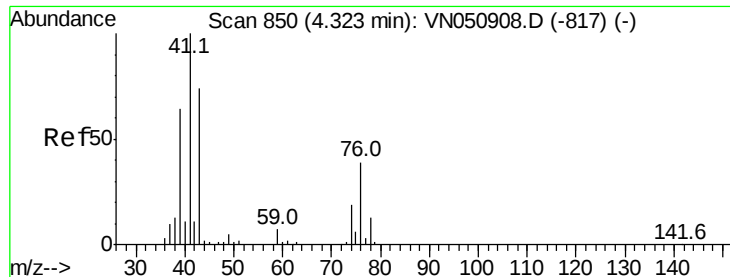
78 9.0 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN051314.D (-745) (-)

Ion 78.00 (77.70 to 78.70): VN051314.D (-745) (-)

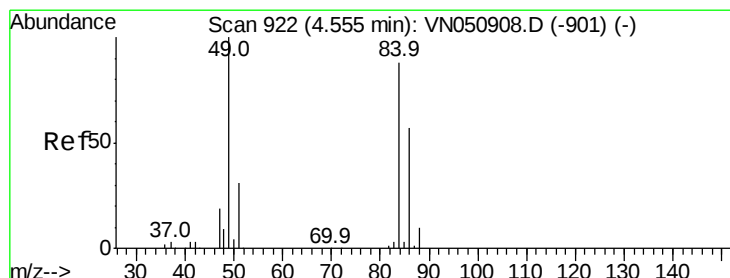
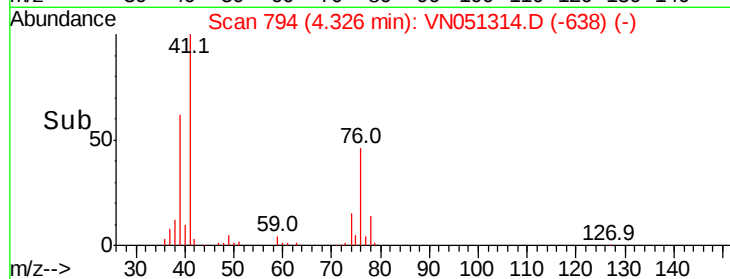
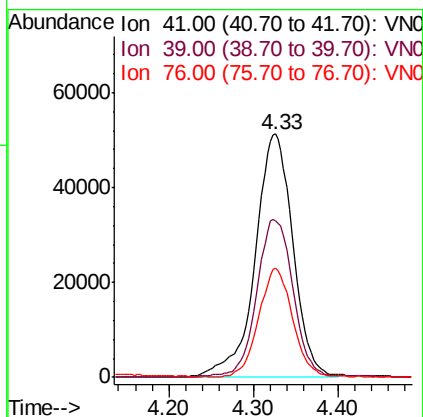
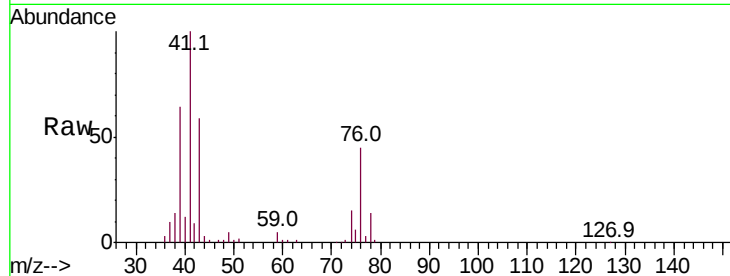




#17
Allvl chloride
Concen: 18.035 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN051314.D
Acq: 19 Sep 2018 13:12

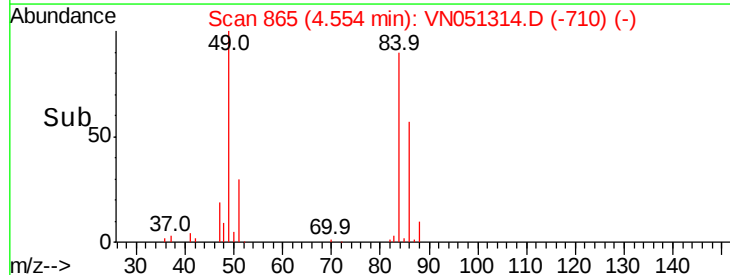
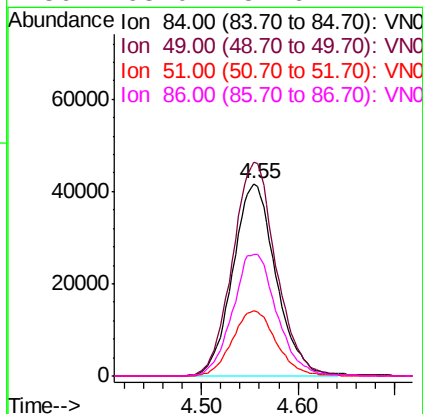
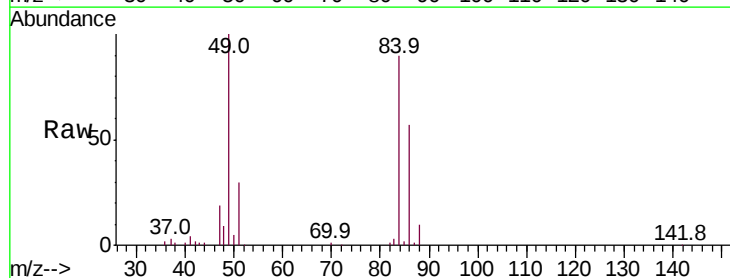
Instrument :
MSVOA_N
ClientSampleId :

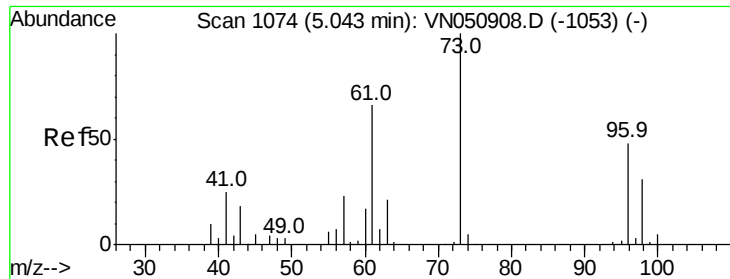
Tot Ion: 41 Resp: 159394
Ion Ratio Lower Upper
41 100
39 64.1 32.2 96.6
76 44.6 19.6 58.7



#18
Methylene Chloride
Concen: 19.637 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN051314.D
Acq: 19 Sep 2018 13:12

Tgt Ion: 84 Resp: 129463
Ion Ratio Lower Upper
84 100
49 110.6 90.6 135.8
51 33.7 28.4 42.6
86 63.0 51.6 77.4

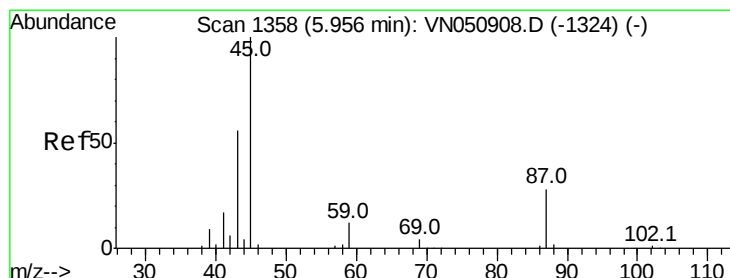
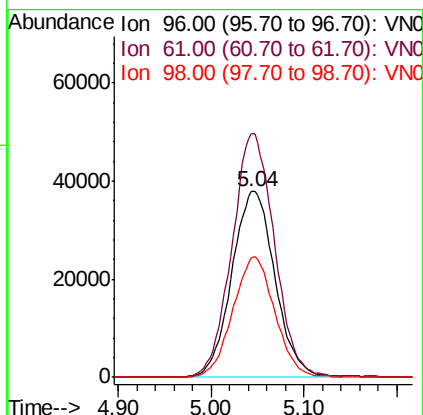
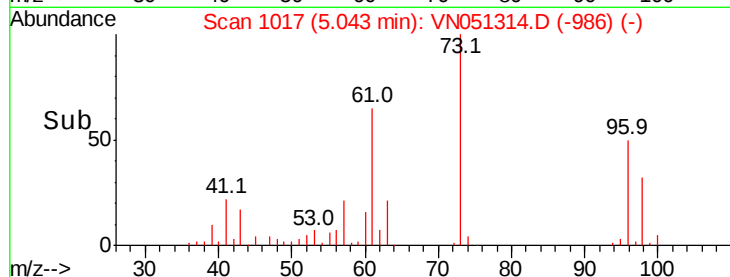
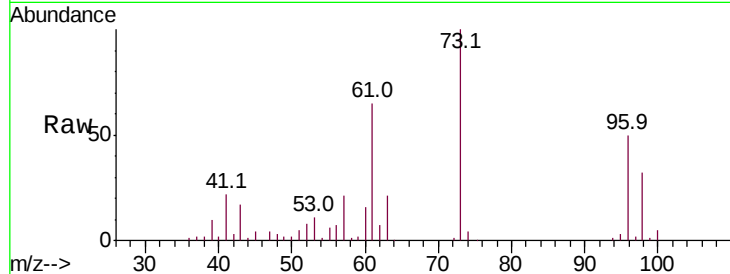




#19
trans-1,2-Dichloroethene
Concen: 20.473 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN051314.D
Acq: 19 Sep 2018 13:12

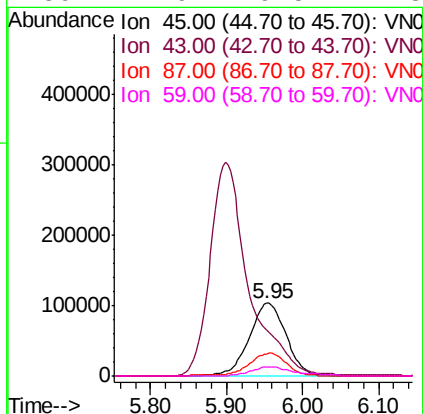
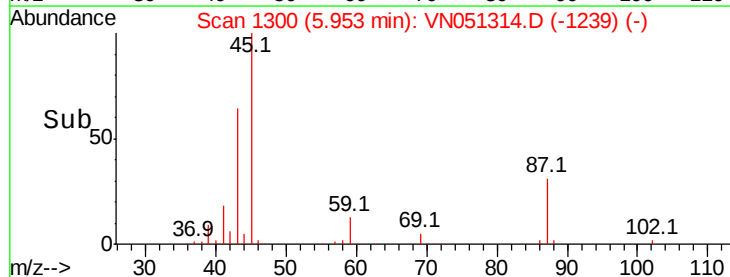
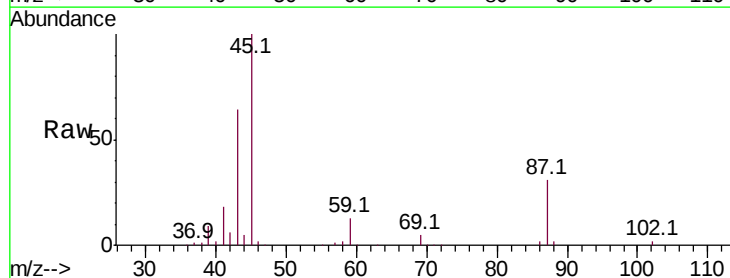
Instrument :
MSVOA_N
ClientSampled :

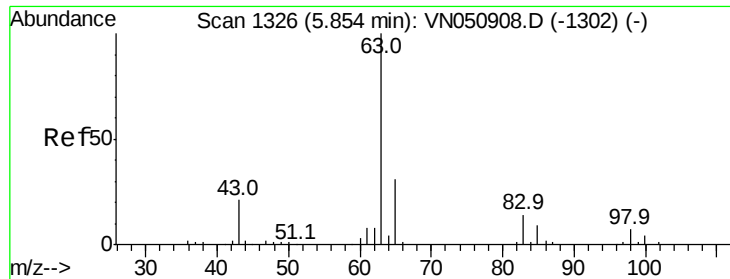
Tot Ion: 96 Resp: 122519
Ion Ratio Lower Upper
96 100
61 130.3 109.5 164.3
98 64.1 51.9 77.9



#20
Diisopropyl ether
Concen: 19.054 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN051314.D
Acq: 19 Sep 2018 13:12

Tgt Ion: 45 Resp: 349559
Ion Ratio Lower Upper
45 100
43 61.6 47.0 70.6
87 30.6 22.8 34.2
59 12.9 9.5 14.3

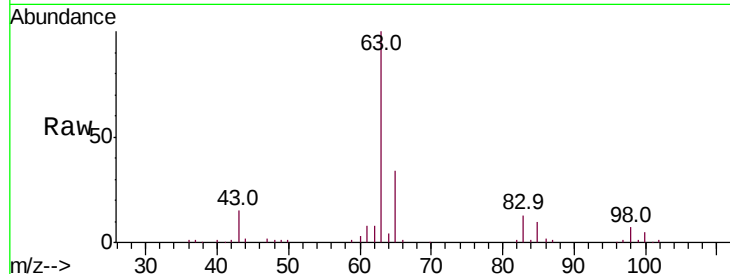




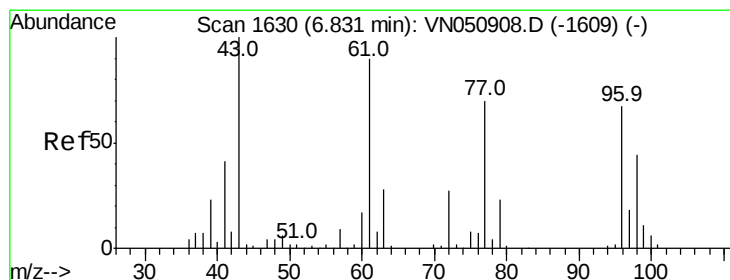
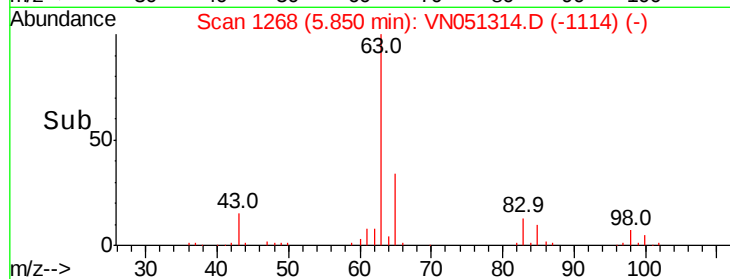
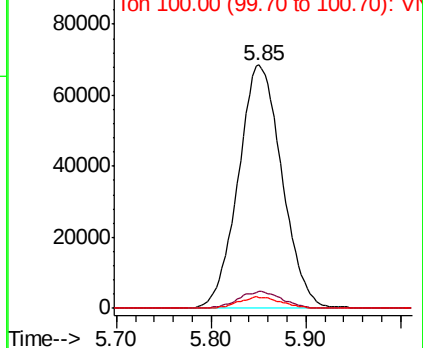
#21
 1,1-Dichloroethane
 Concen: 19.499 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN051314.D
 Acq: 19 Sep 2018 13:12

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.3	9.9
100	4.6	2.0	6.0

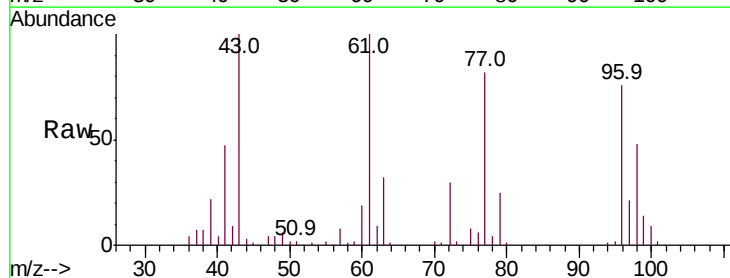


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

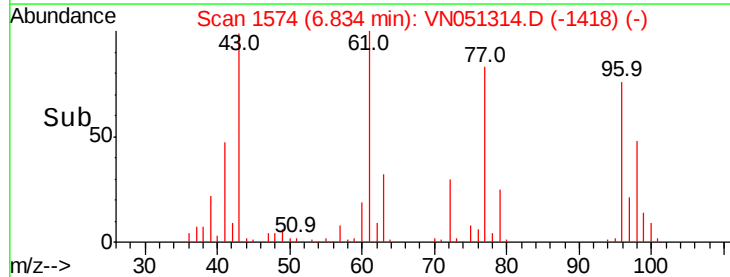
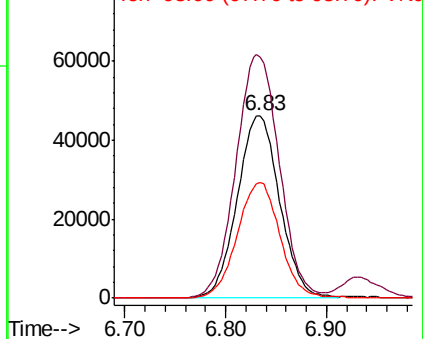


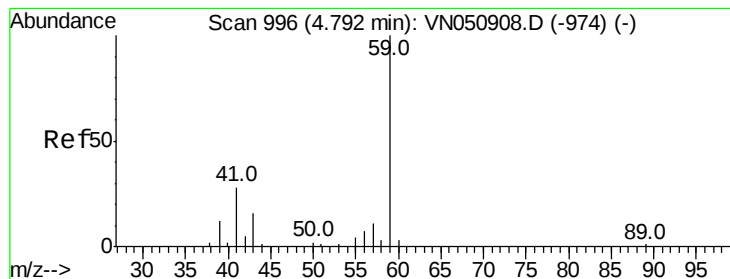
#22
 cis-1,2-Dichloroethene
 Concen: 19.919 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: VN051314.D
 Acq: 19 Sep 2018 13:12

Tgt Ion	Ratio	Lower	Upper
96	100		
61	136.6	110.0	165.0
98	63.6	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: 72.414 ug/l

RT: 4.79 min Scan# 938

Delta R.T. -0.00 min

Lab File: VN051314.D

Acq: 19 Sep 2018 13:12

Instrument :

MSVOA_N

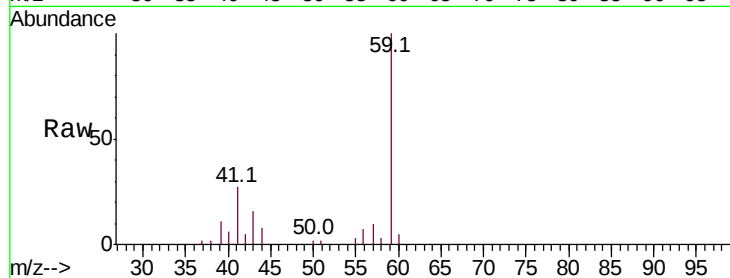
ClientSampled :

Tot Ion: 59 Resp: 33819

Ion Ratio Lower Upper

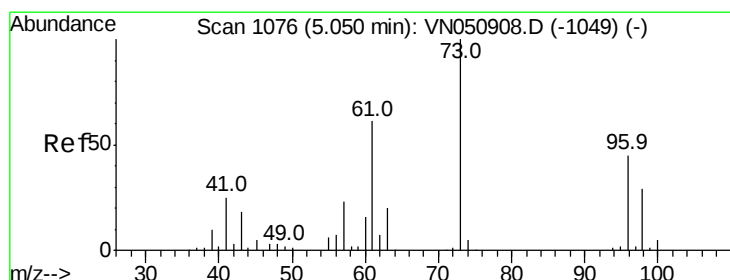
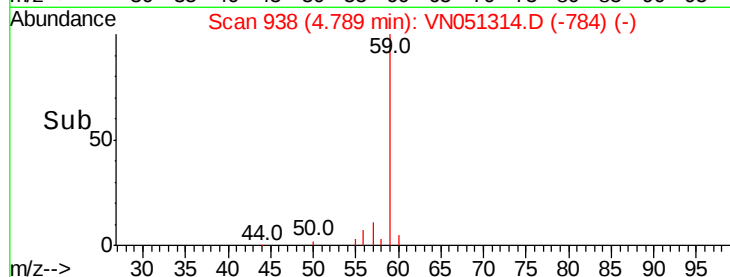
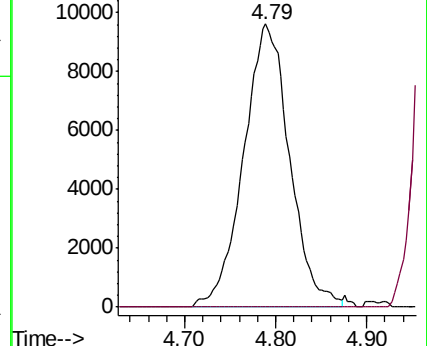
59 100

52 0.0 0.1 0.1#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#24

Methyl tert-Butyl Ether

Concen: 18.241 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. -0.00 min

Lab File: VN051314.D

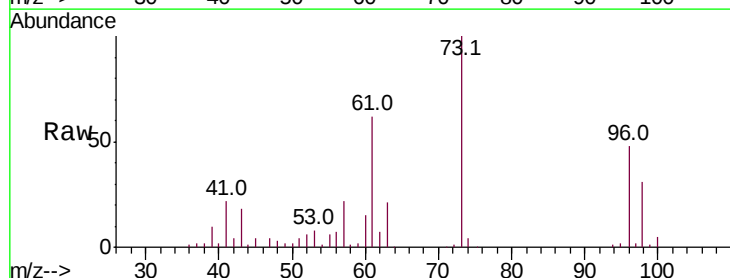
Acq: 19 Sep 2018 13:12

Tgt Ion: 73 Resp: 280231

Ion Ratio Lower Upper

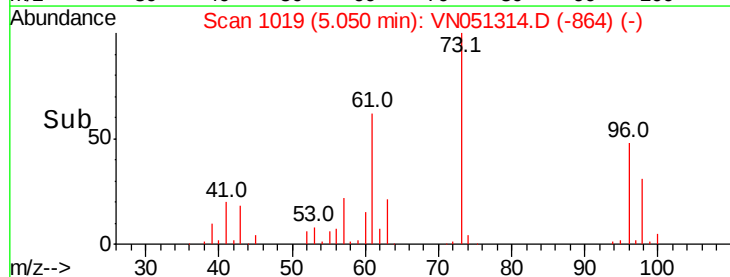
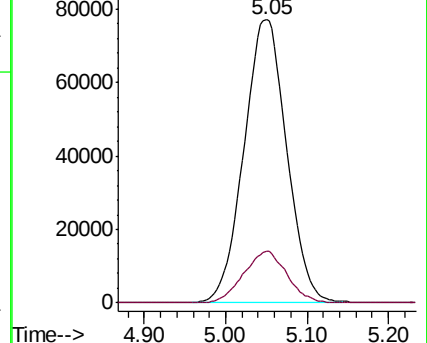
73 100

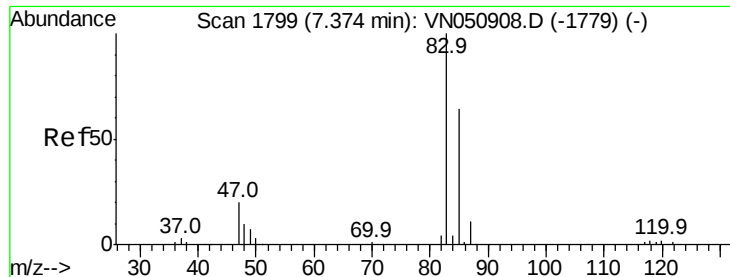
43 18.5 14.4 21.6



Abundance Ion 73.00 (72.70 to 73.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

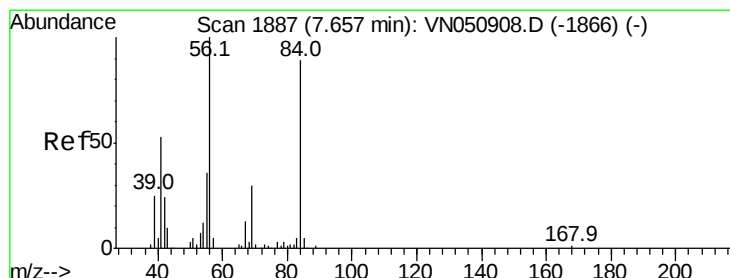
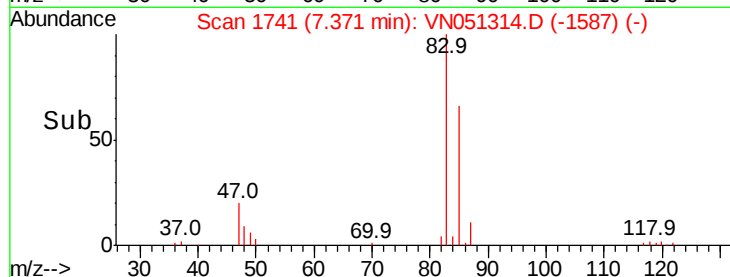
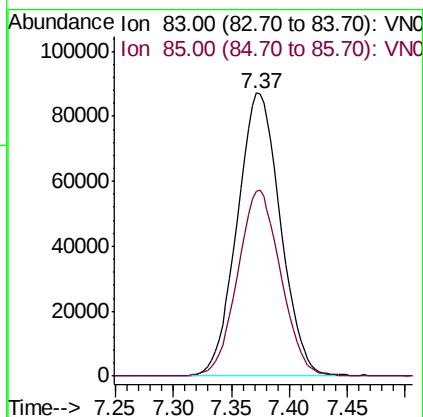
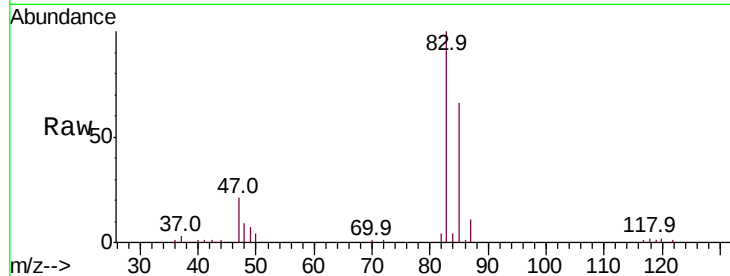




#25
Chloroform
Concen: 20.184 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN051314.D
Acq: 19 Sep 2018 13:12

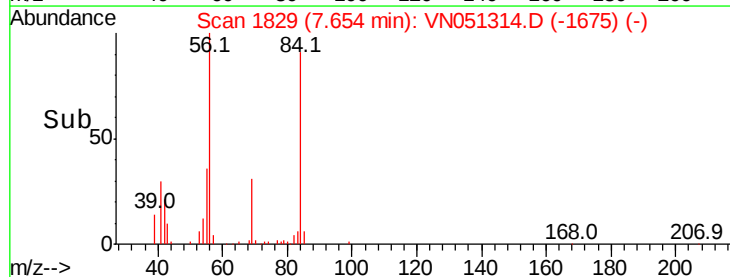
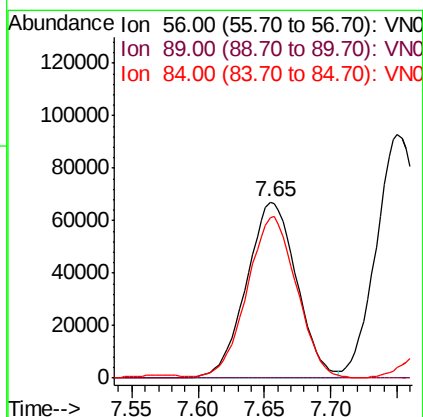
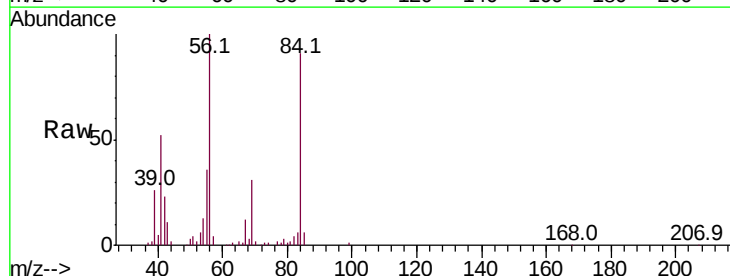
Instrument :
MSVOA_N
ClientSampleId :

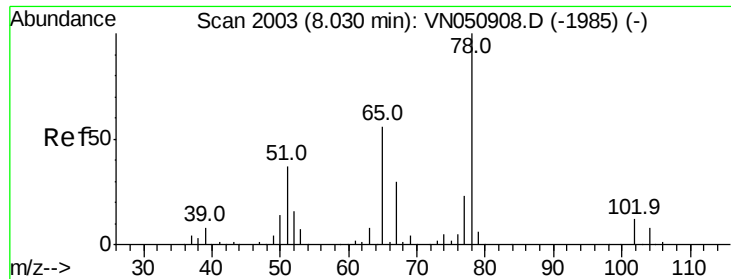
Tot Ion: 83 Resp: 226592
Ion Ratio Lower Upper
83 100
85 65.2 51.4 77.0



#26
Cyclohexane
Concen: 18.981 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN051314.D
Acq: 19 Sep 2018 13:12

Tgt Ion: 56 Resp: 176882
Ion Ratio Lower Upper
56 100
89 0.1 0.4 0.6#
84 91.1 70.4 105.6





#27

1,2-Dichloroethane-d4

Concen: 27.900 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. -0.00 min

Lab File: VN051314.D

Acq: 19 Sep 2018 13:12

Instrument :

MSVOA_N

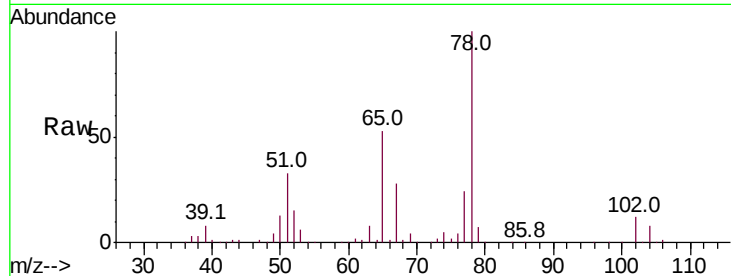
ClientSampled :

Tot Ion: 65 Resp: 185076

Ion Ratio Lower Upper

65 100

67 54.2 43.7 65.5



Abundance Ion 65.00 (64.70 to 65.70): VN050908.D (-1985) (-)

Ion 67.00 (66.70 to 67.70): VN050908.D (-1985) (-)

8.03

80000

60000

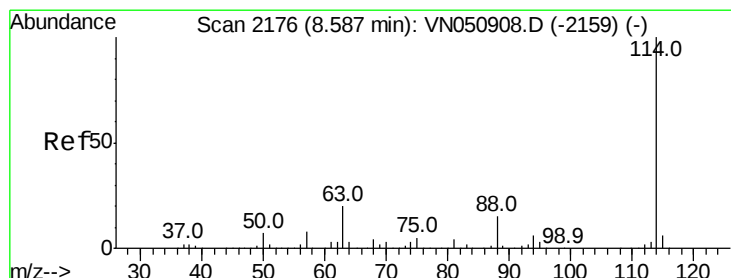
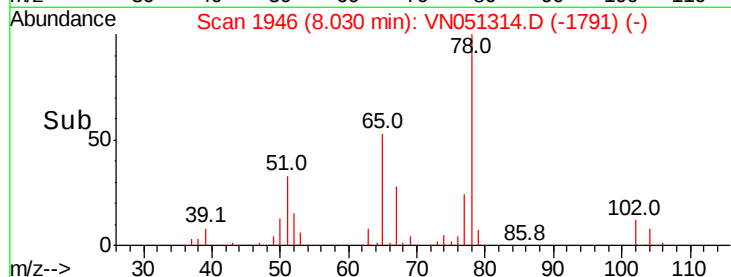
40000

20000

0

7.95 8.00 8.05 8.10

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN051314.D

Acq: 19 Sep 2018 13:12

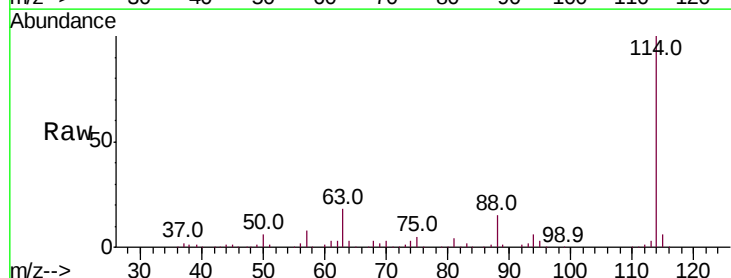
Tgt Ion:114 Resp: 549954

Ion Ratio Lower Upper

114 100

63 18.1 15.6 23.4

88 15.0 12.2 18.4



Abundance Ion 114.00 (113.70 to 114.70): VN050908.D (-2159) (-)

Ion 63.00 (62.70 to 63.70): VN050908.D (-2159) (-)

Ion 88.00 (87.70 to 88.70): VN050908.D (-2159) (-)

8.59

300000

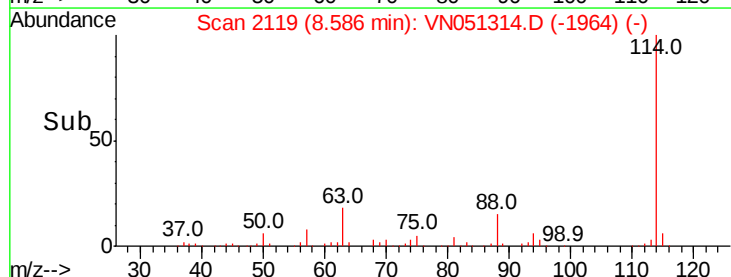
200000

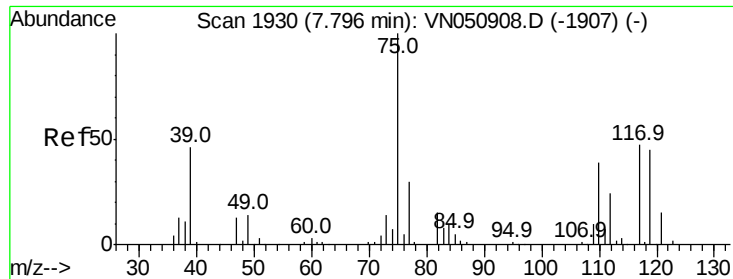
100000

0

8.50 8.60 8.70

Time-->





#29

1,1-Dichloropropene

Concen: 20.337 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. -0.00 min

Lab File: VN051314.D

Acq: 19 Sep 2018 13:12

Instrument :

MSVOA_N

ClientSampled :

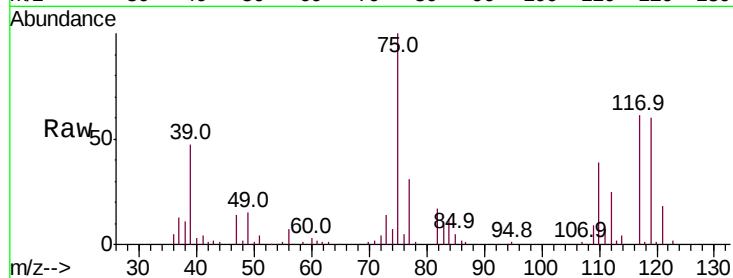
Tot Ion: 75 Resp: 167445

Ion Ratio Lower Upper

75 100

110 37.3 0.0 75.0

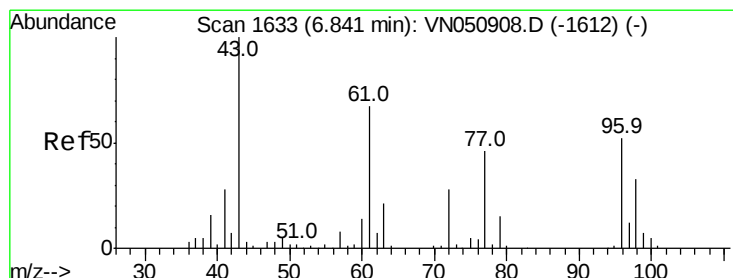
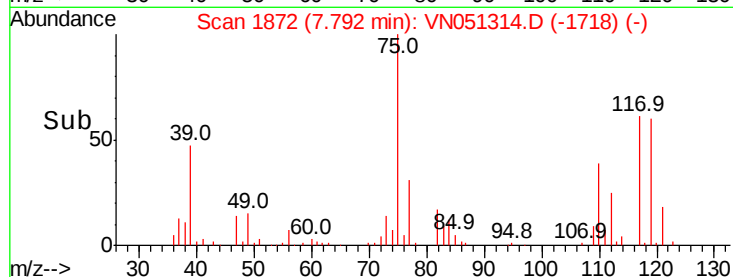
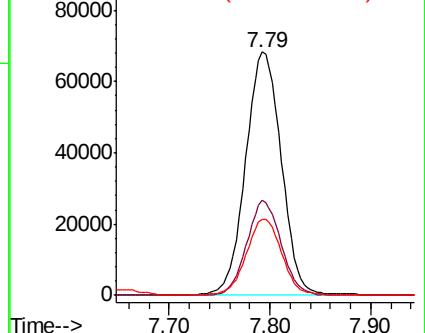
77 31.3 0.0 60.6



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: 73.706 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. -0.00 min

Lab File: VN051314.D

Acq: 19 Sep 2018 13:12

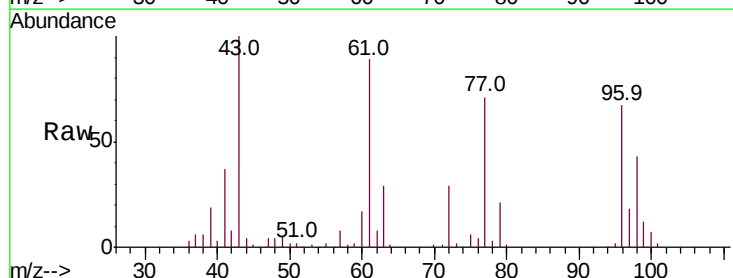
Tgt Ion: 43 Resp: 186686

Ion Ratio Lower Upper

43 100

57 8.6 6.9 10.3

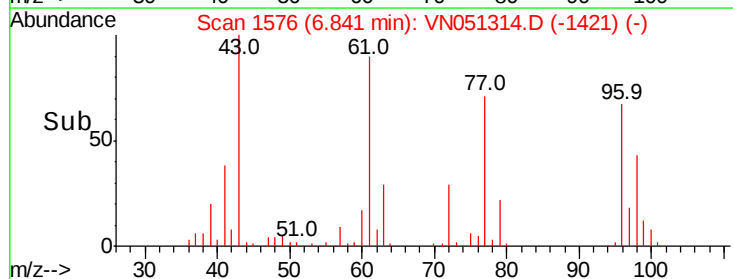
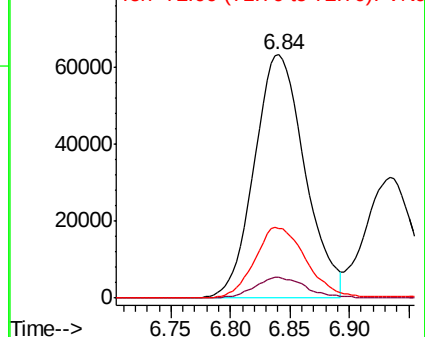
72 29.6 22.8 34.2

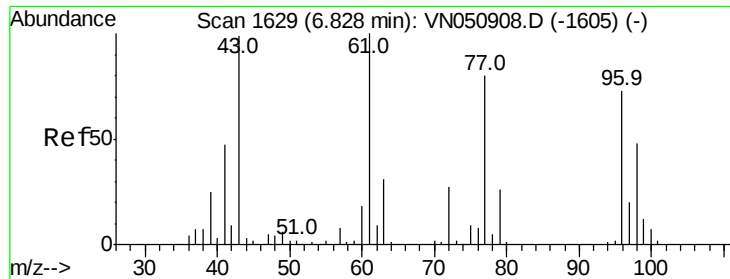


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

Ion 72.00 (71.70 to 72.70): VN0





#31

2,2-Dichloropropane

Concen: 21.799 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN051314.D

Acq: 19 Sep 2018 13:12

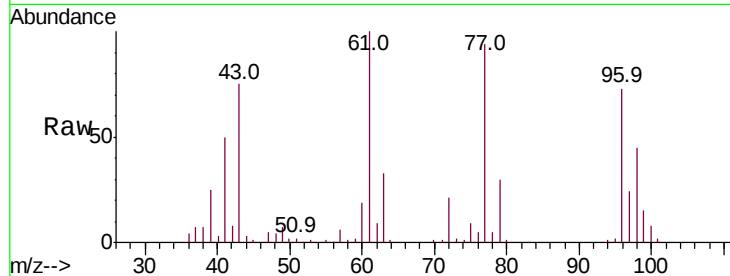
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 77 Resp: 174640

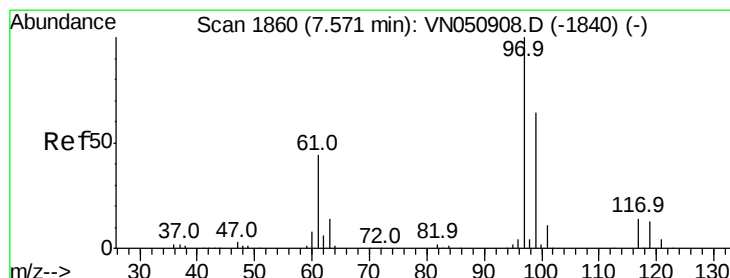
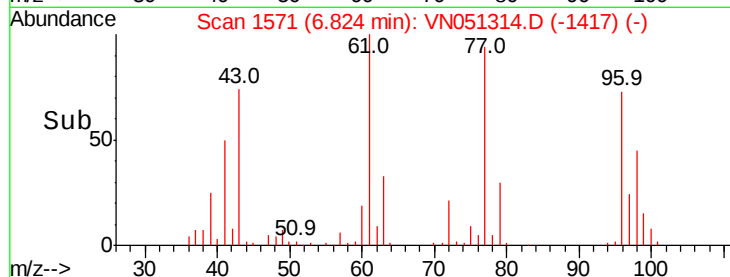
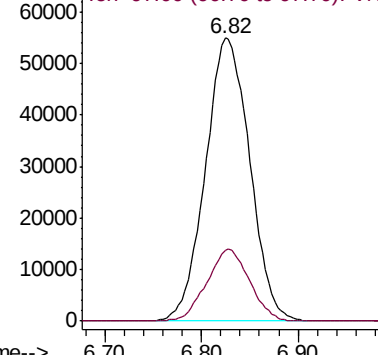
Ion Ratio Lower Upper

77 100

97 24.5 20.2 30.2



Abundance Ion 77.00 (76.70 to 77.70): VNC
Ion 97.00 (96.70 to 97.70): VNC



#32

1,1,1-Trichloroethane

Concen: 20.783 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN051314.D

Acq: 19 Sep 2018 13:12

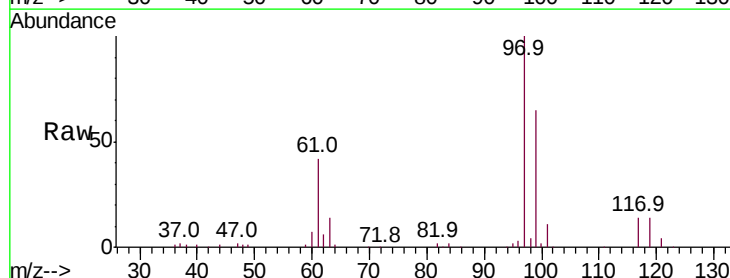
Tgt Ion: 97 Resp: 194036

Ion Ratio Lower Upper

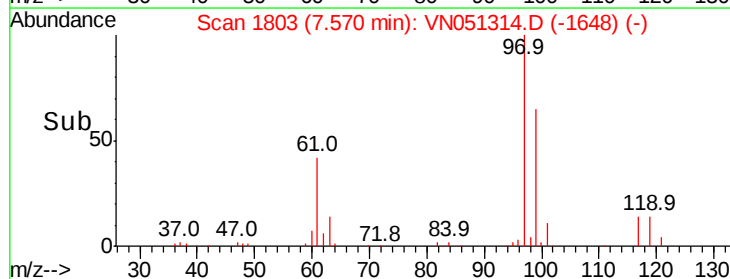
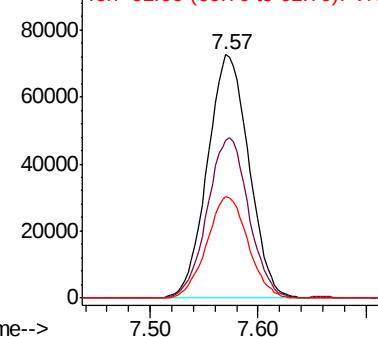
97 100

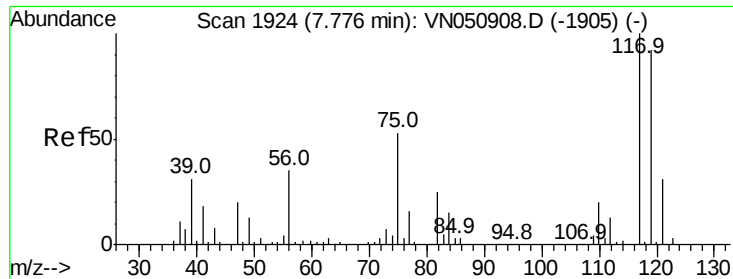
99 65.8 52.0 78.0

61 41.3 35.0 52.6



Abundance Ion 97.00 (96.70 to 97.70): VNC
Ion 99.00 (98.70 to 99.70): VNC
Ion 61.00 (60.70 to 61.70): VNC

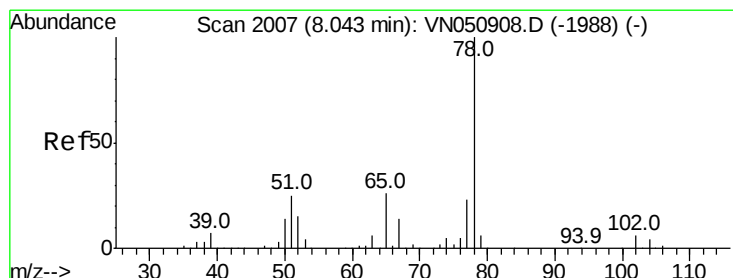
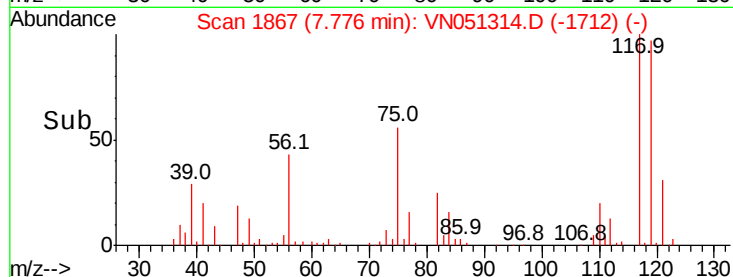
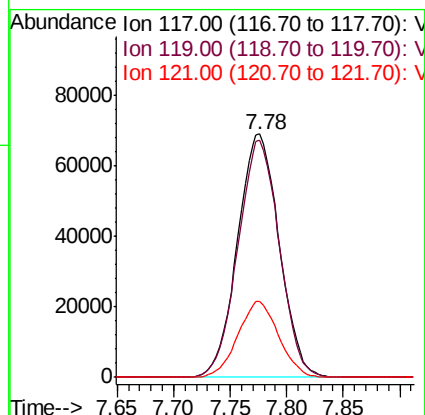
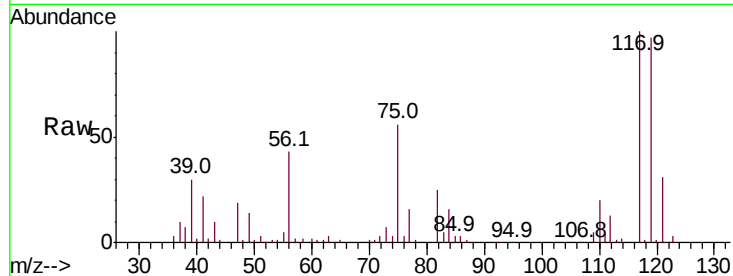




#33
Carbon Tetrachloride
Concen: 21.047 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN051314.D
Acq: 19 Sep 2018 13:12

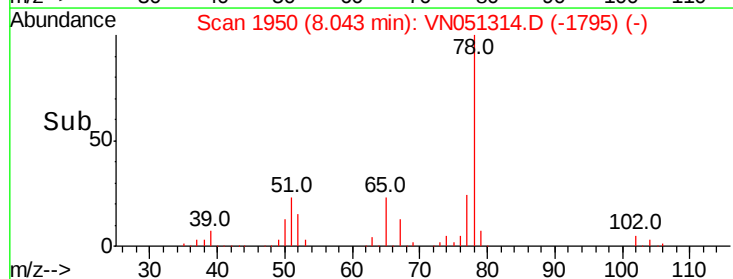
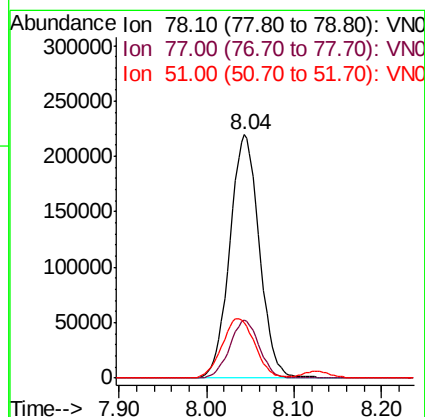
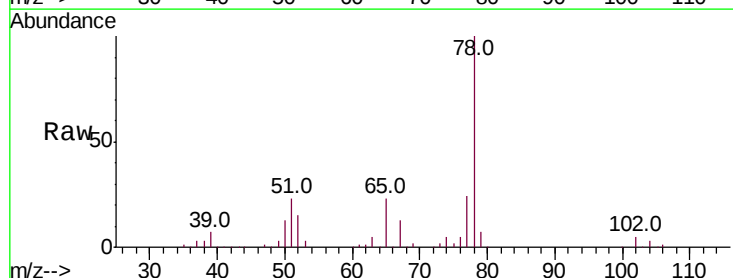
Instrument :
MSVOA_N
ClientSampled :

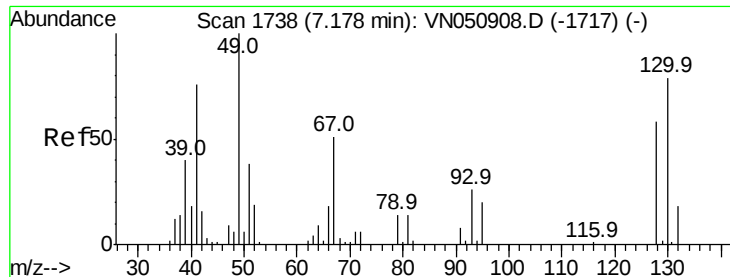
Tot Ion:117 Resp: 176967
Ion Ratio Lower Upper
117 100
119 97.5 73.5 110.3
121 31.0 24.6 37.0



#34
Benzene
Concen: 20.266 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051314.D
Acq: 19 Sep 2018 13:12

Tgt Ion: 78 Resp: 516177
Ion Ratio Lower Upper
78 100
77 23.7 18.6 28.0
51 22.9 20.0 30.0

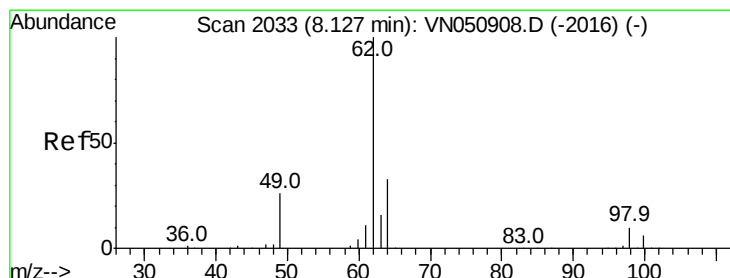
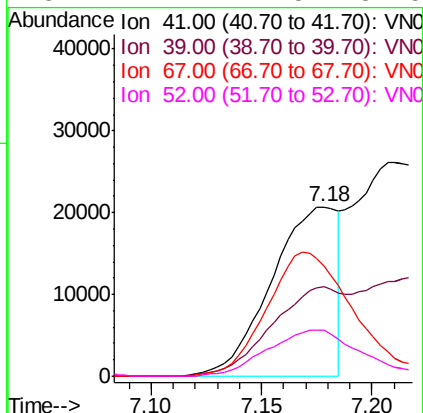
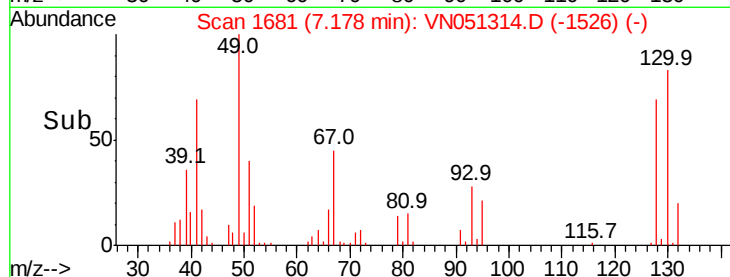
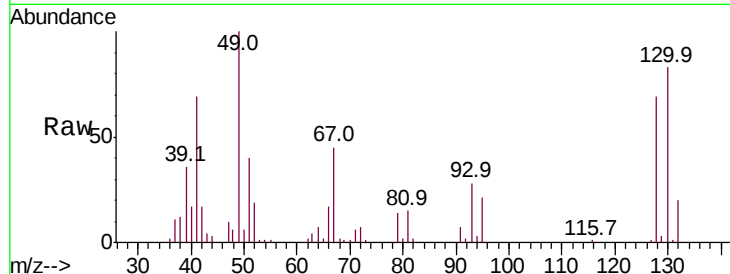




#35
Methacrylonitrile
Concen: 15.535 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VN051314.D
Acq: 19 Sep 2018 13:12

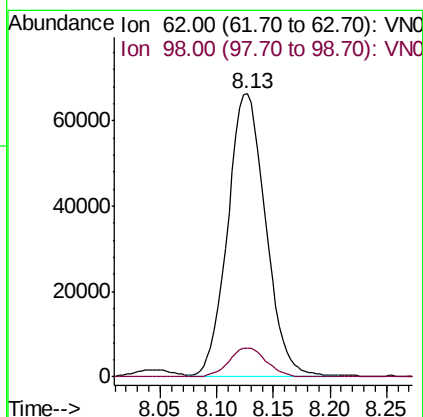
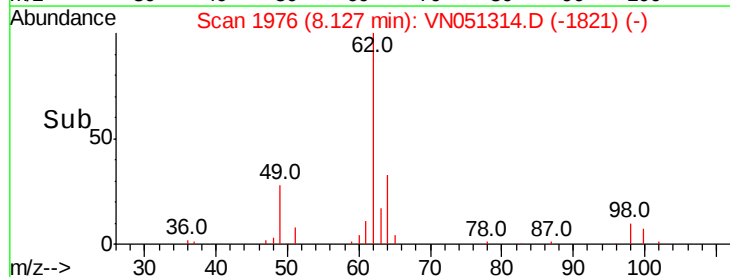
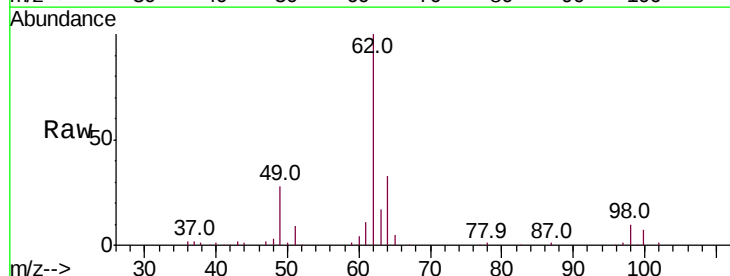
Instrument :
MSVOA_N
ClientSampled :

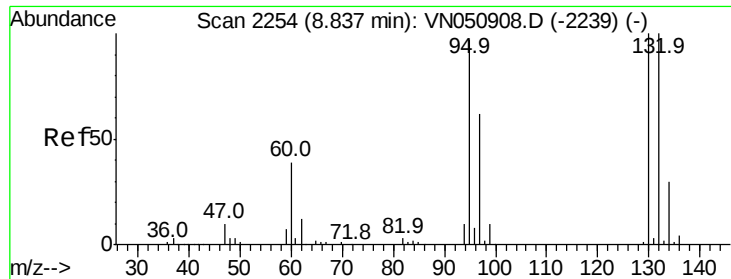
Tot Ion: 41 Resp: 43108
Ion Ratio Lower Upper
41 100
39 52.0 26.2 78.5
67 64.9 33.9 101.6
52 27.1 12.5 37.5



#36
1,2-Dichloroethane
Concen: 20.138 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN051314.D
Acq: 19 Sep 2018 13:12

Tgt Ion: 62 Resp: 155122
Ion Ratio Lower Upper
62 100
98 10.0 8.0 12.0

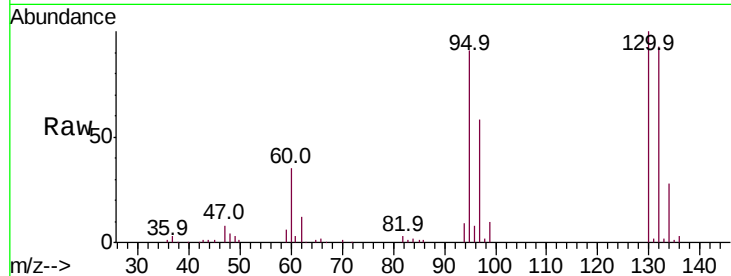




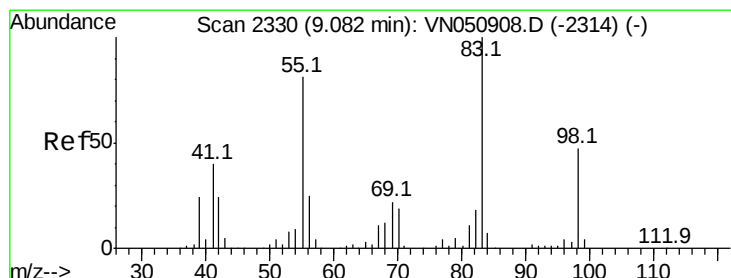
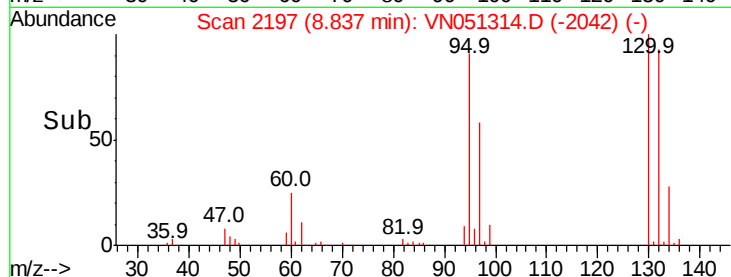
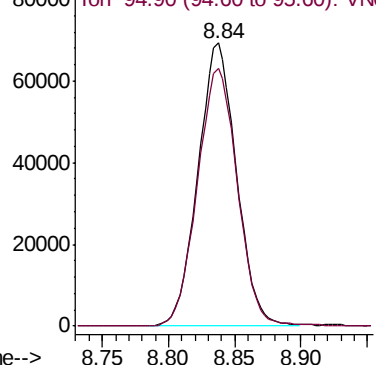
#37
 Trichloroethene
 Concen: 20.975 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VN051314.D
 Acq: 19 Sep 2018 13:12

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:130 Resp: 139636
 Ion Ratio Lower Upper
 130 100
 95 91.2 77.4 116.0

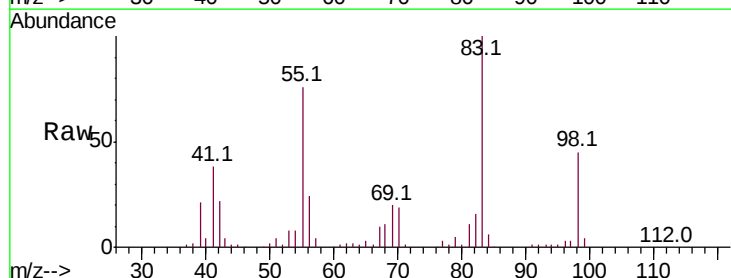


Abundance Ion 129.90 (129.60 to 130.60): VN051314.D (-2197) (-)

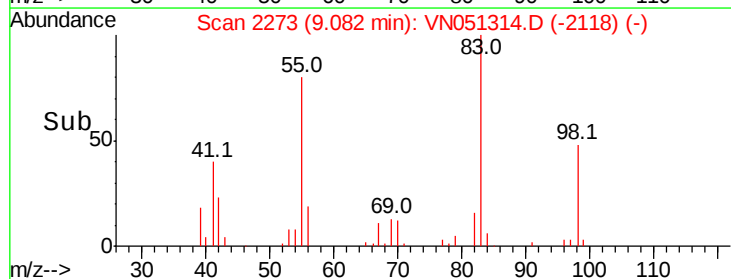
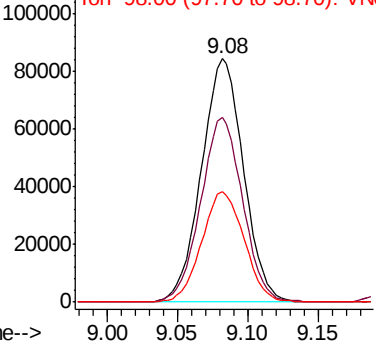


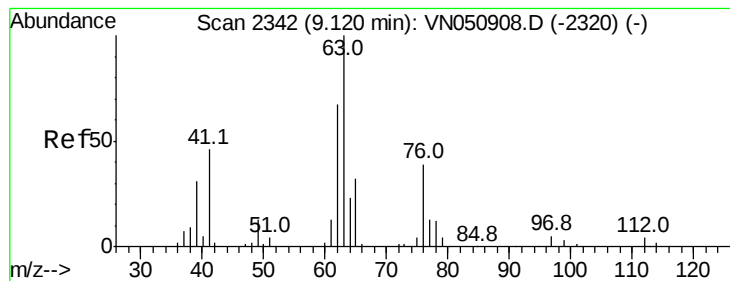
#38
 Methylcyclohexane
 Concen: 19.938 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN051314.D
 Acq: 19 Sep 2018 13:12

Tgt Ion: 83 Resp: 176309
 Ion Ratio Lower Upper
 83 100
 55 75.8 38.9 116.7
 98 45.9 22.9 68.7



Abundance Ion 83.00 (82.70 to 83.70): VN051314.D (-2273) (-)





#39

1,2-Dichloropropane

Concen: 20.059 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN051314.D

Acq: 19 Sep 2018 13:12

Instrument :

MSVOA_N

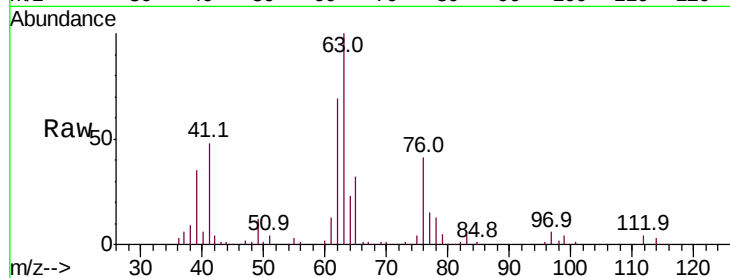
ClientSampled :

Tot Ion: 63 Resp: 133435

Ion Ratio Lower Upper

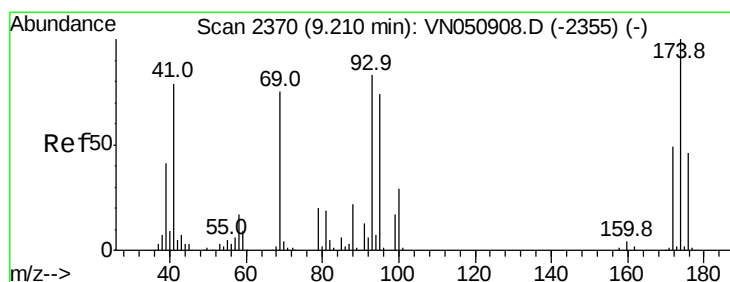
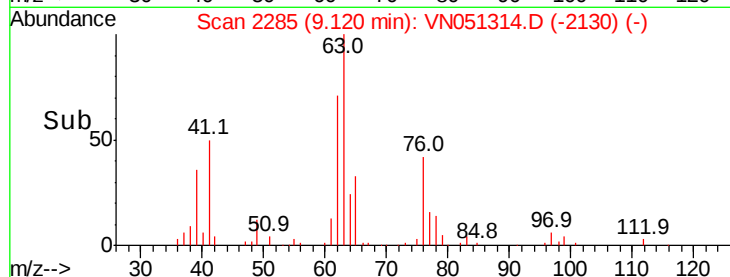
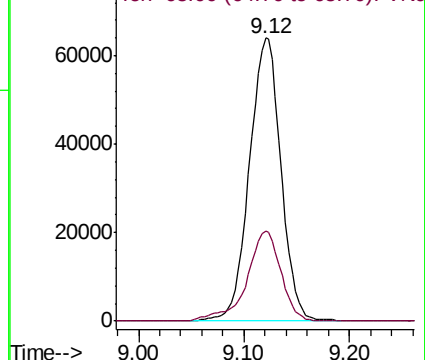
63 100

65 32.0 25.6 38.4



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 19.976 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. -0.00 min

Lab File: VN051314.D

Acq: 19 Sep 2018 13:12

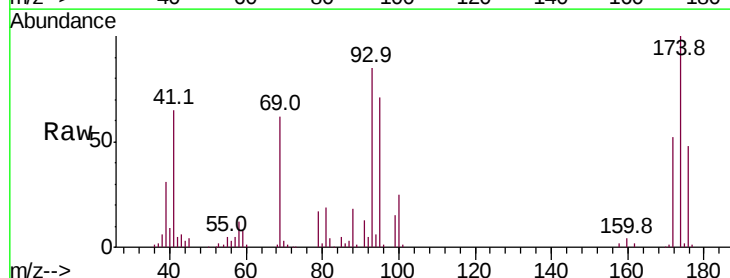
Tgt Ion: 93 Resp: 80048

Ion Ratio Lower Upper

93 100

95 82.7 0.0 173.4

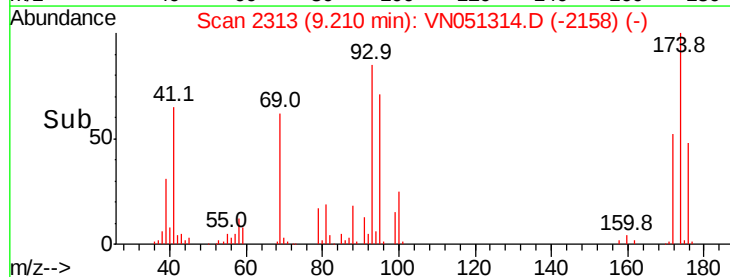
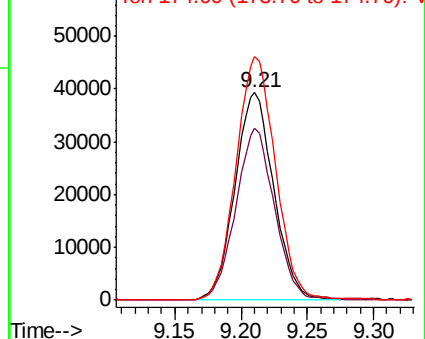
174 119.8 0.0 234.8

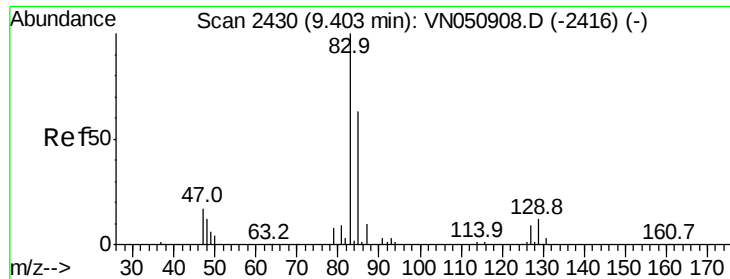


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 20.088 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051314.D

Acq: 19 Sep 2018 13:12

Instrument :

MSVOA_N

ClientSampleId :

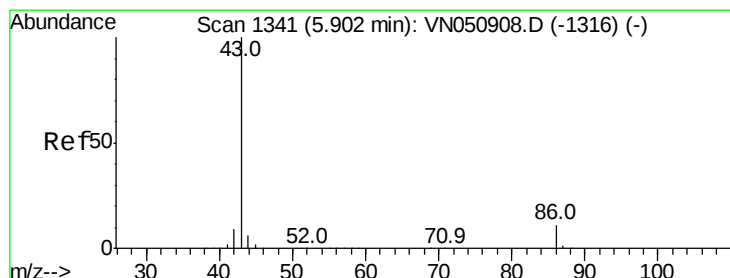
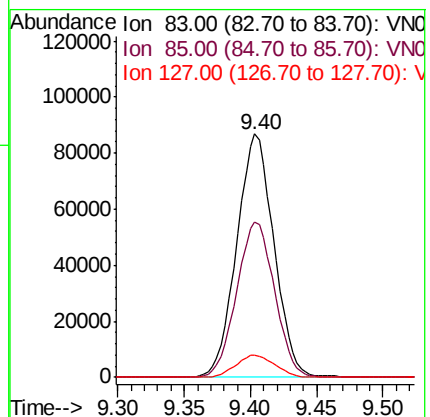
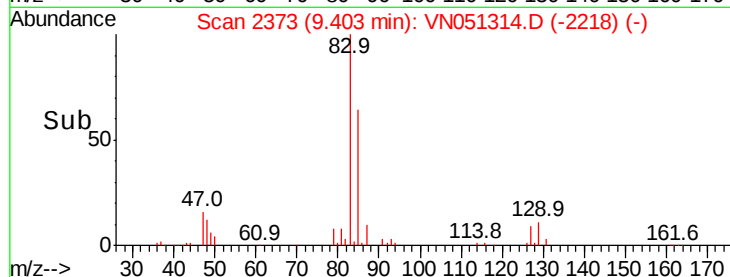
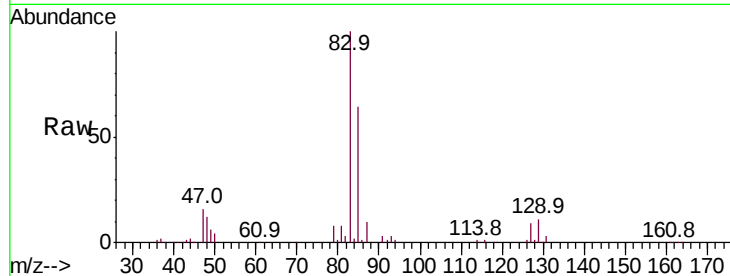
Tot Ion: 83 Resp: 169691

Ion Ratio Lower Upper

83 100

85 64.0 50.6 76.0

127 9.2 7.1 10.7



#42

Vinyl Acetate

Concen: 91.896 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN051314.D

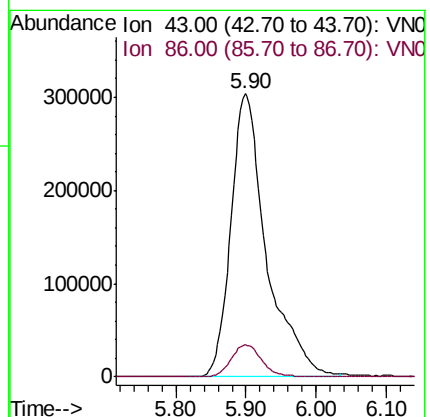
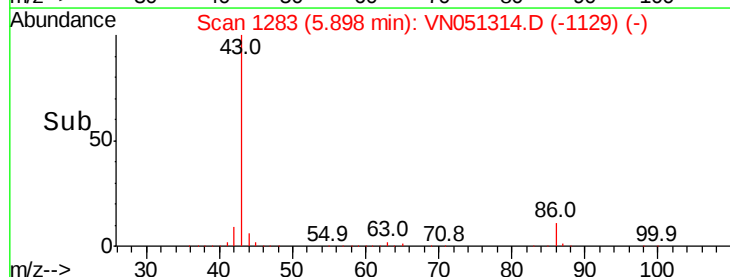
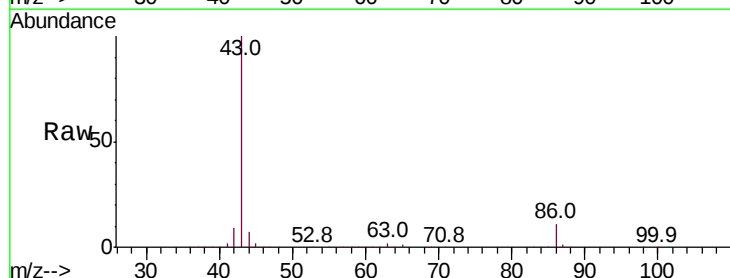
Acq: 19 Sep 2018 13:12

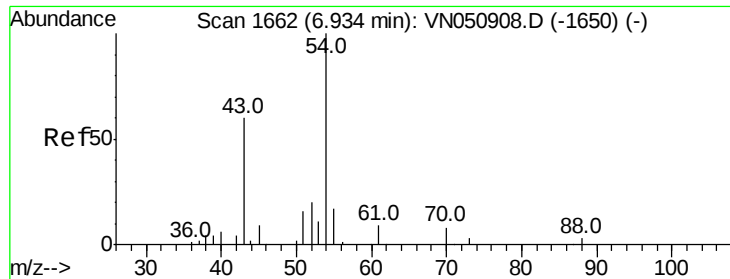
Tgt Ion: 43 Resp: 1072108

Ion Ratio Lower Upper

43 100

86 9.8 7.2 10.8

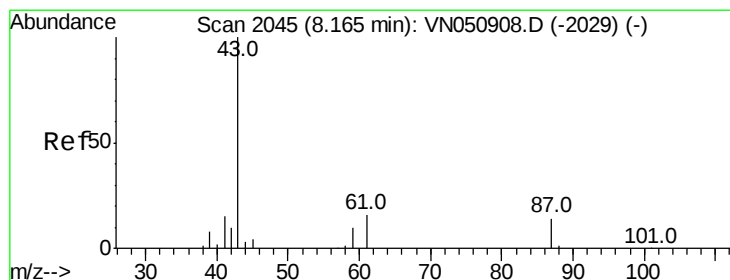
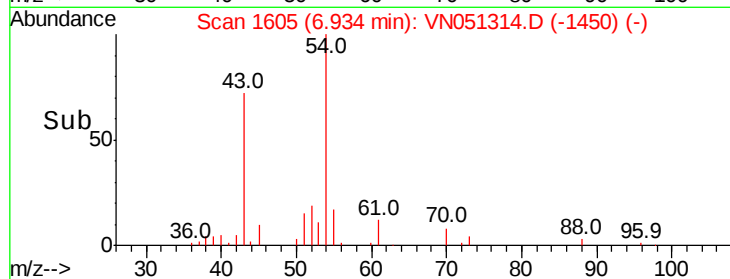
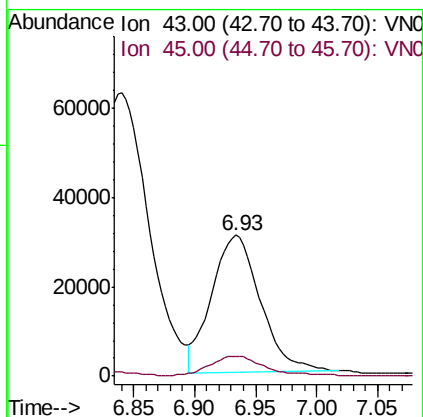
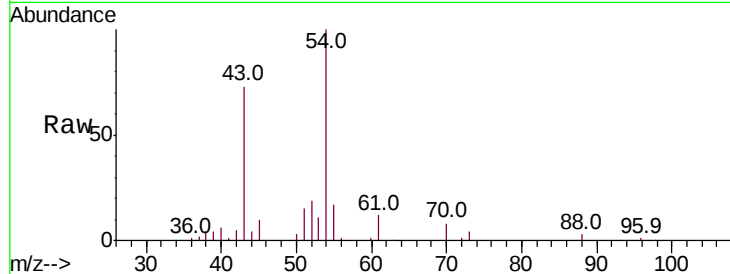




#43
Ethyl Acetate
Concen: 16.702 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN051314.D
Acq: 19 Sep 2018 13:12

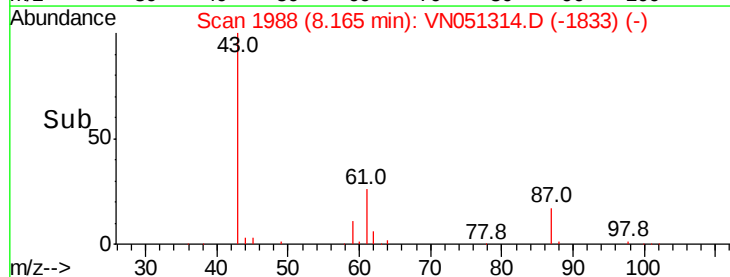
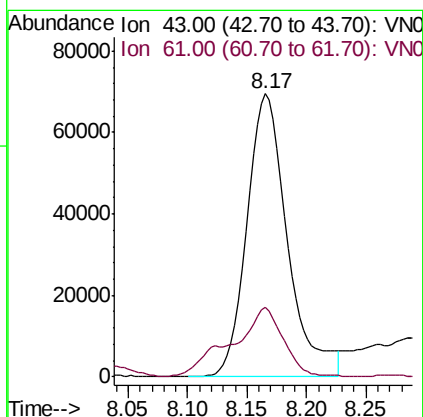
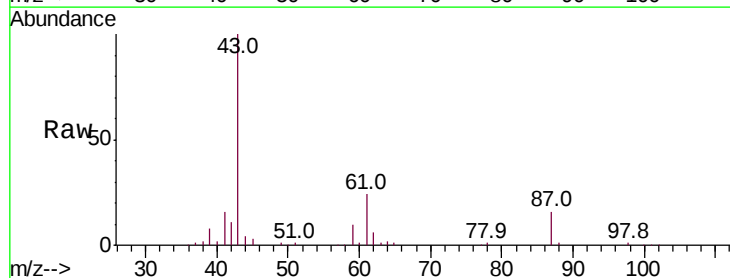
Instrument :
MSVOA_N
ClientSampled :

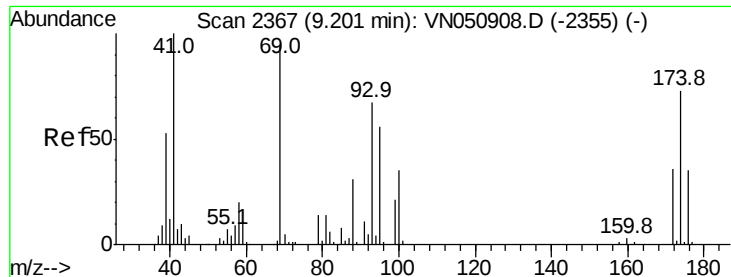
Tot Ion: 43 Resp: 86660
Ion Ratio Lower Upper
43 100
45 13.8 10.2 15.2



#44
Isopropyl Acetate
Concen: 17.956 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VN051314.D
Acq: 19 Sep 2018 13:12

Tgt Ion: 43 Resp: 164405
Ion Ratio Lower Upper
43 100
61 20.3 16.3 24.5

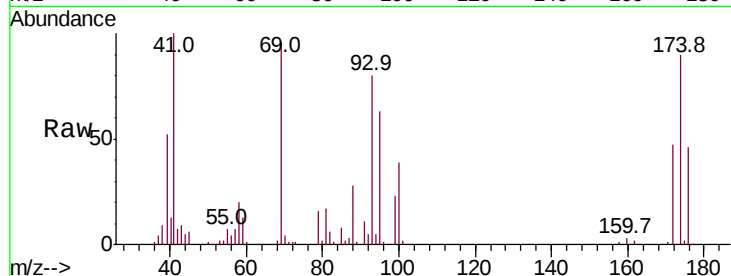




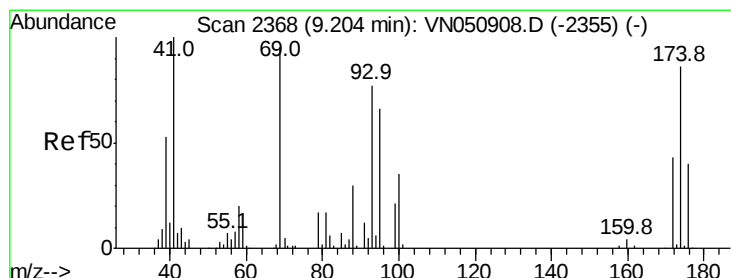
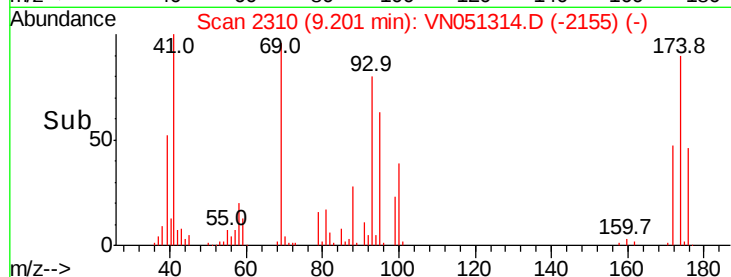
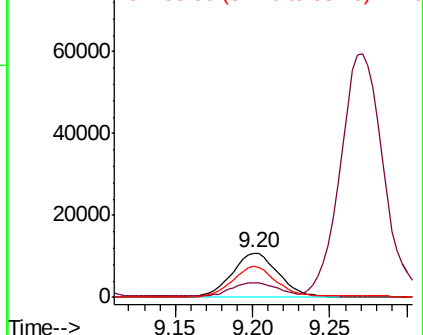
#45
1,4-Dioxane
Concen: 333.847 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN051314.D
Acq: 19 Sep 2018 13:12

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 22706
Ion Ratio Lower Upper
88 100
43 28.2 23.5 35.3
58 66.7 55.2 82.8

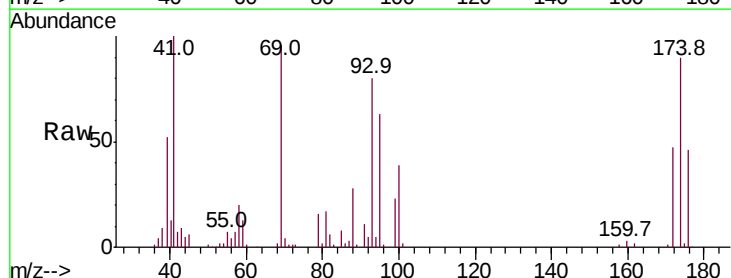


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

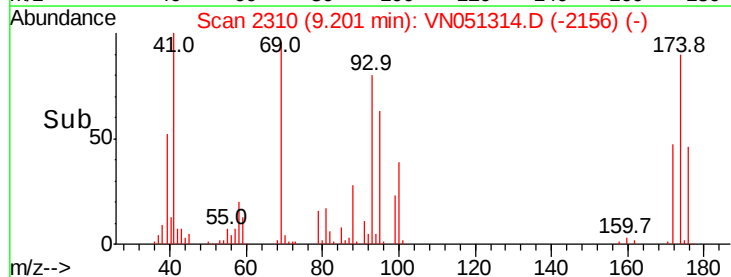
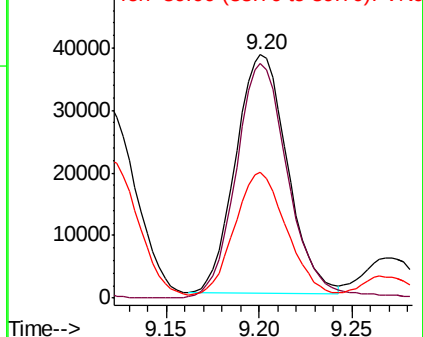


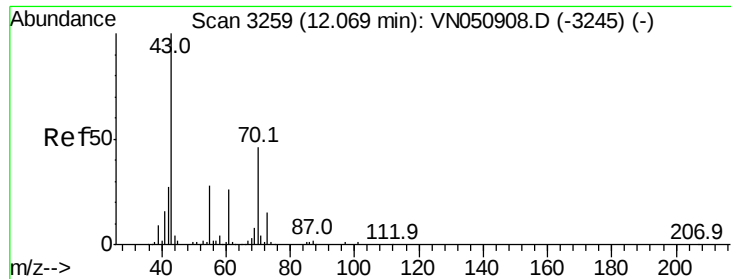
#46
Methyl methacrylate
Concen: 16.082 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN051314.D
Acq: 19 Sep 2018 13:12

Tgt Ion: 41 Resp: 73743
Ion Ratio Lower Upper
41 100
69 97.7 47.4 142.2
39 51.4 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

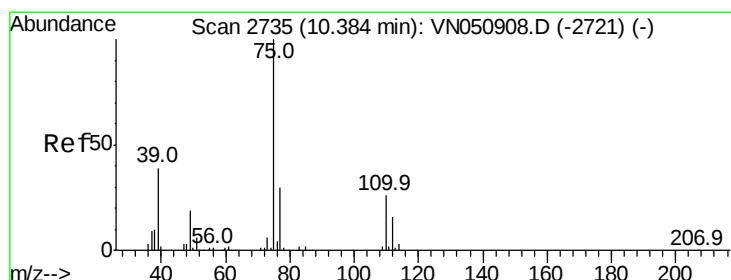
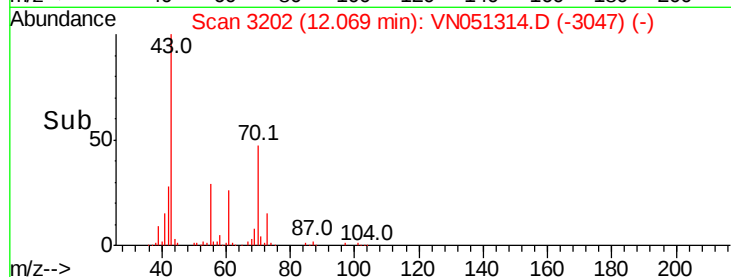
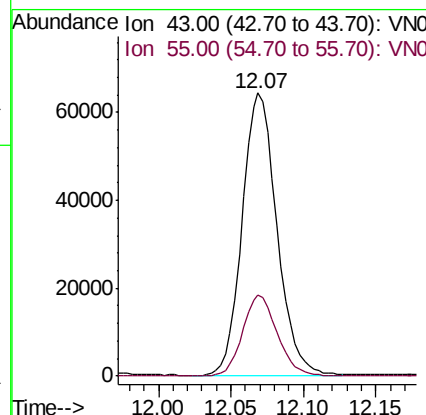
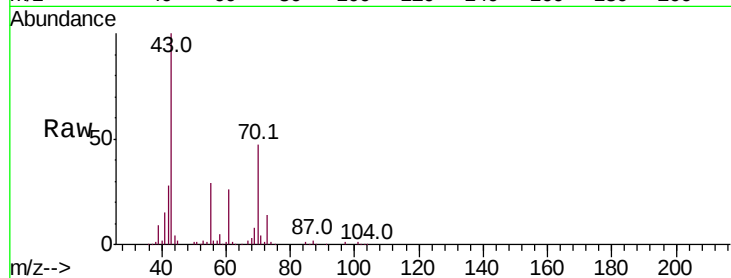




#47
n-amyl Acetate
Concen: 14.485 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN051314.D
Acq: 19 Sep 2018 13:12

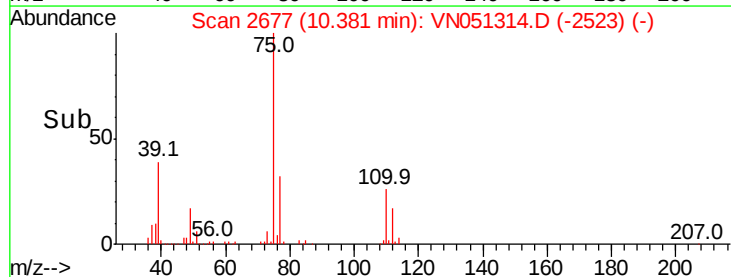
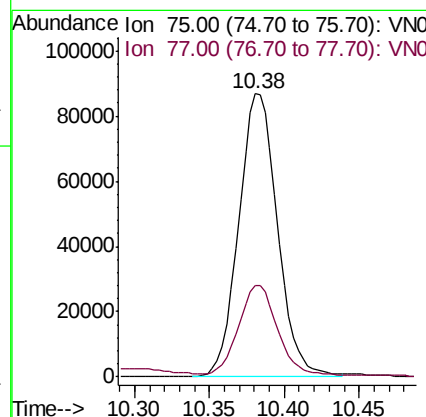
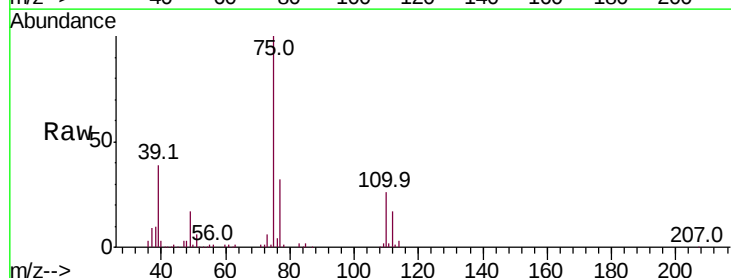
Instrument :
MSVOA_N
ClientSampled :

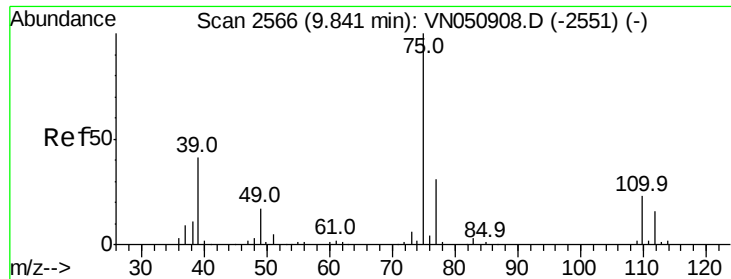
Tot Ion: 43 Resp: 106623
Ion Ratio Lower Upper
43 100
55 28.9 23.0 34.4



#48
t-1,3-Dichloropropene
Concen: 18.949 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN051314.D
Acq: 19 Sep 2018 13:12

Tgt Ion: 75 Resp: 156902
Ion Ratio Lower Upper
75 100
77 31.6 24.8 37.2

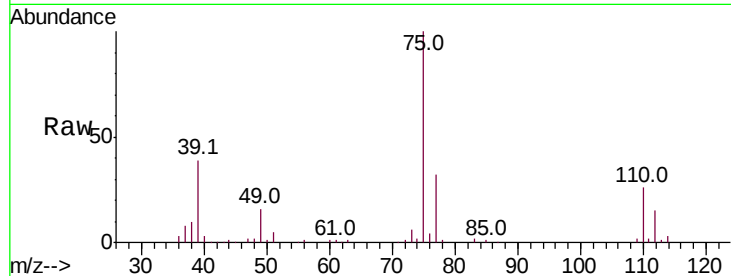




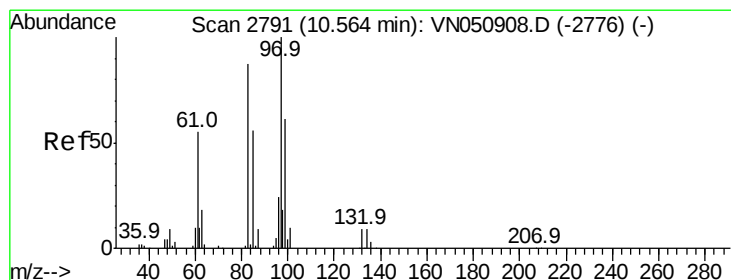
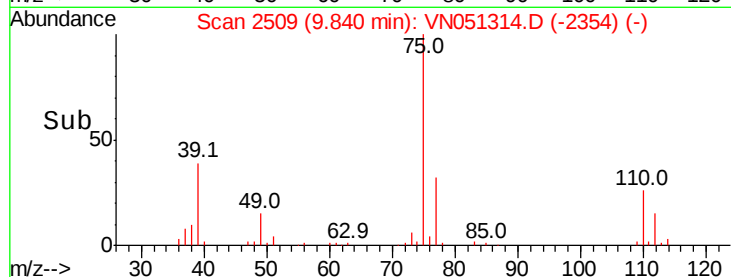
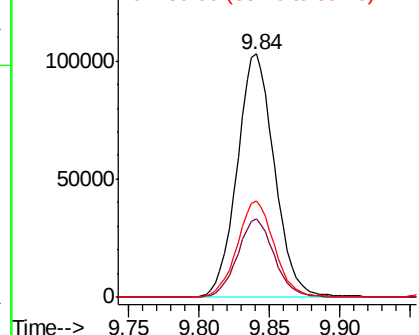
#49
 cis-1,3-Dichloropropene
 Concen: 20.064 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. -0.00 min
 Lab File: VN051314.D
 Acq: 19 Sep 2018 13:12

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.0	37.4
39	39.4	32.9	49.3

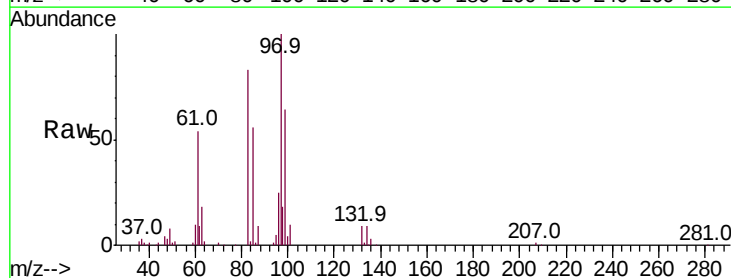


Abundance Ion 75.00 (74.70 to 75.70): VNO
 Ion 77.00 (76.70 to 77.70): VNO
 Ion 39.00 (38.70 to 39.70): VNO

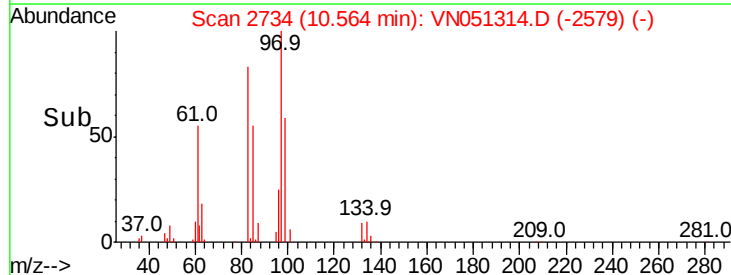
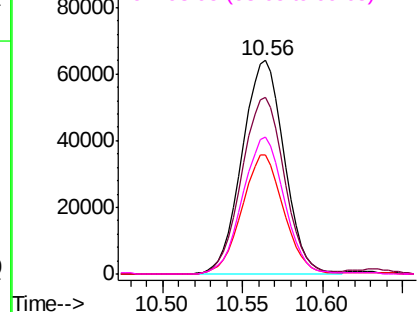


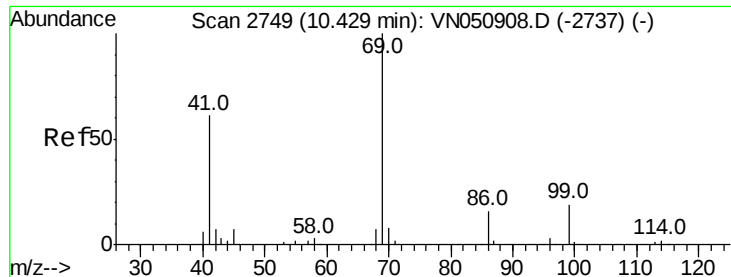
#50
 1,1,2-Trichloroethane
 Concen: 19.814 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN051314.D
 Acq: 19 Sep 2018 13:12

Tgt Ion	Ratio	Lower	Upper
97	100		
83	82.6	69.8	104.6
85	55.6	45.0	67.6
99	64.0	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: 17.393 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN051314.D

Acq: 19 Sep 2018 13:12

Instrument :

MSVOA_N

ClientSampleId :

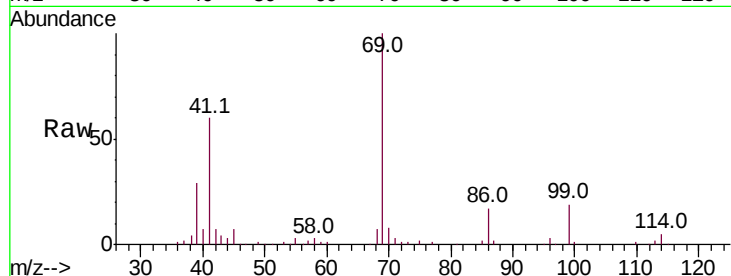
Tot Ion: 69 Resp: 123905

Ion Ratio Lower Upper

69 100

41 59.8 30.5 91.5

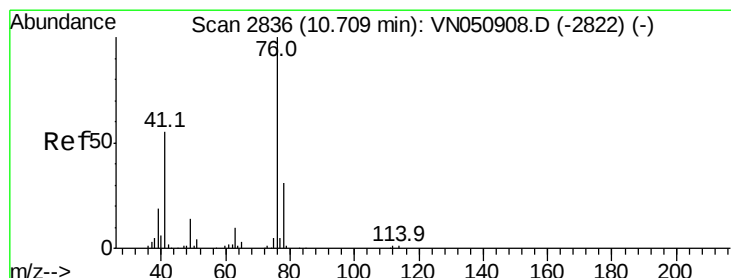
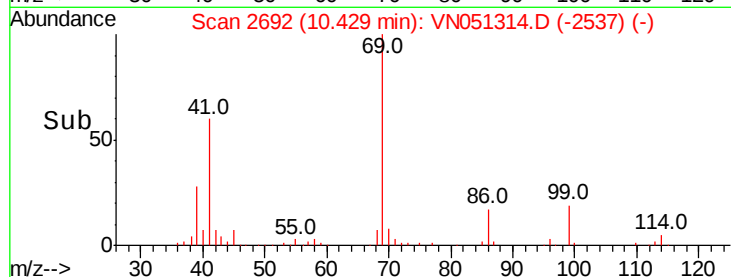
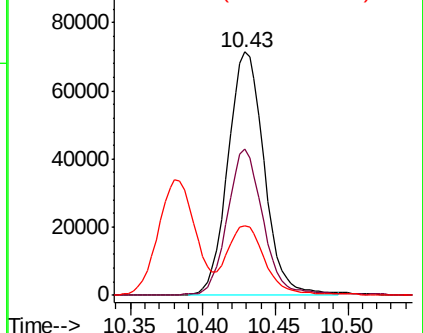
39 28.0 15.3 45.8



Abundance Ion 69.00 (68.70 to 69.70): VN050908.D (-2737) (-)

Ion 41.00 (40.70 to 41.70): VN050908.D (-2737) (-)

Ion 39.00 (38.70 to 39.70): VN050908.D (-2737) (-)



#52

1,3-Dichloropropane

Concen: 19.319 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN051314.D

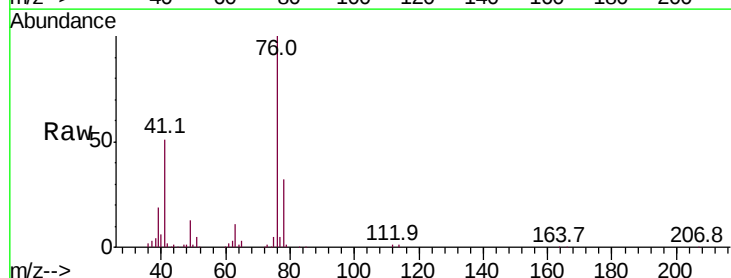
Acq: 19 Sep 2018 13:12

Tgt Ion: 76 Resp: 186317

Ion Ratio Lower Upper

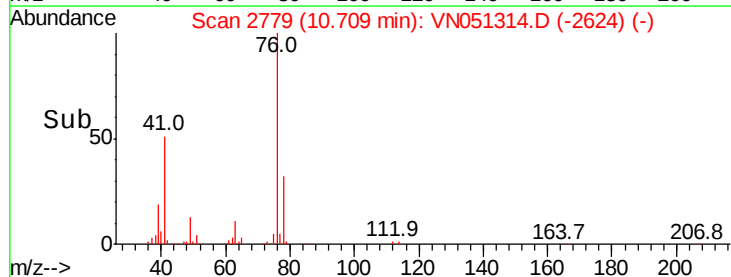
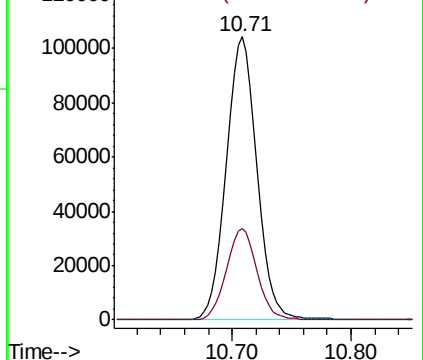
76 100

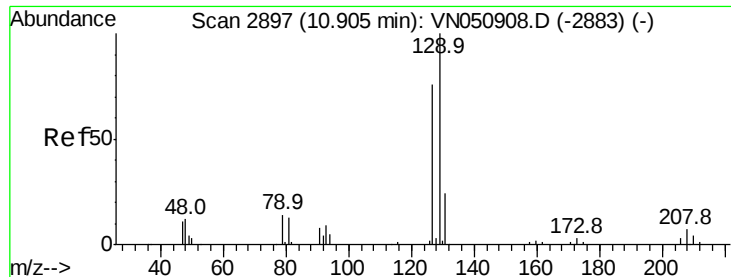
78 32.2 0.0 63.4



Abundance Ion 76.00 (75.70 to 76.70): VN050908.D (-2822) (-)

Ion 78.00 (77.70 to 78.70): VN050908.D (-2822) (-)





#53

Dibromochloromethane

Concen: 20.044 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN051314.D

Acq: 19 Sep 2018 13:12

Instrument :

MSVOA_N

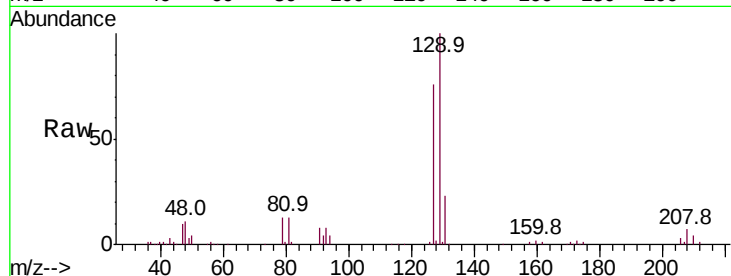
ClientSampleId :

Tot Ion:129 Resp: 132703

Ion Ratio Lower Upper

129 100

127 77.5 39.0 116.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

80000

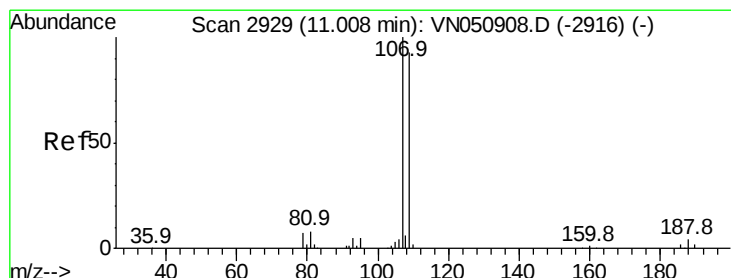
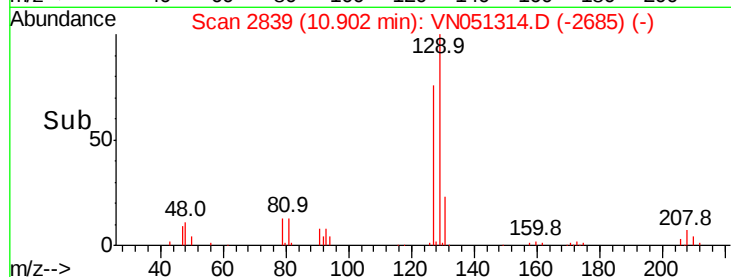
60000

40000

20000

0

Time--> 10.85 10.90 10.95



#54

1,2-Dibromoethane

Concen: 19.148 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN051314.D

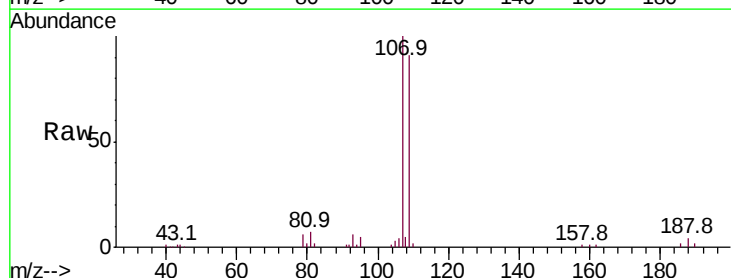
Acq: 19 Sep 2018 13:12

Tgt Ion:107 Resp: 110241

Ion Ratio Lower Upper

107 100

109 93.9 74.4 111.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

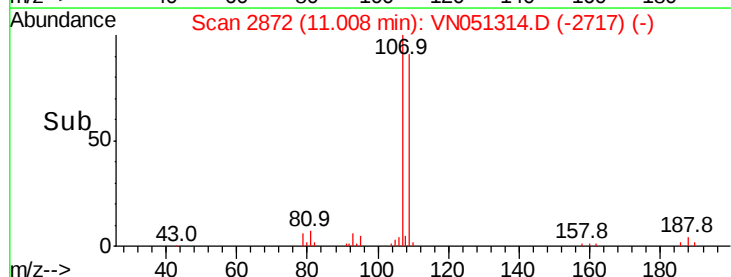
60000

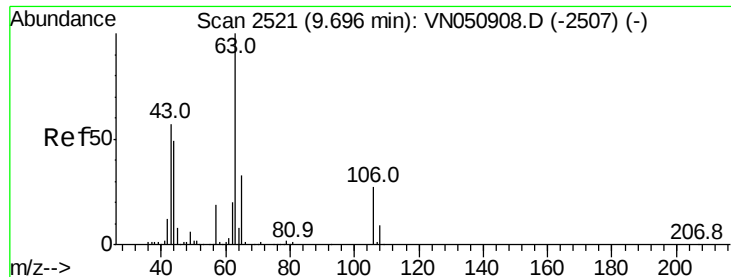
40000

20000

0

Time--> 11.00 11.10

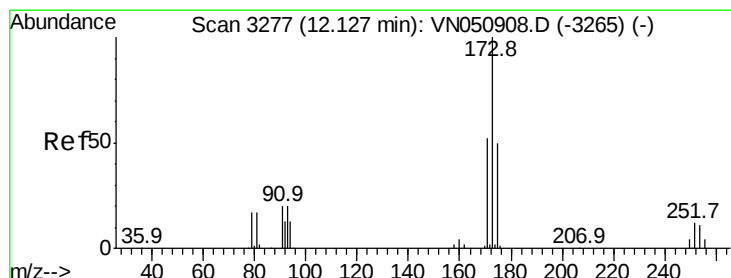
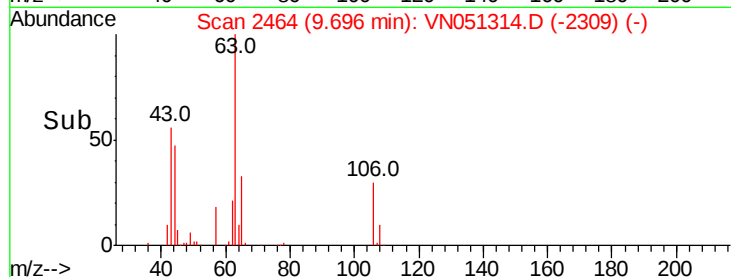
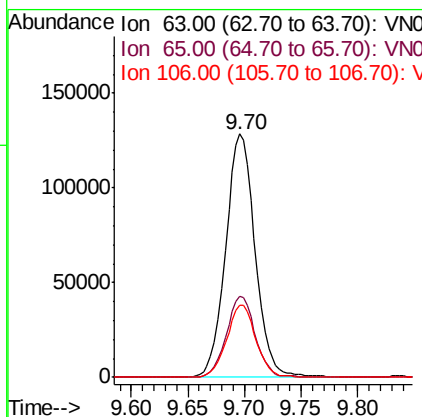
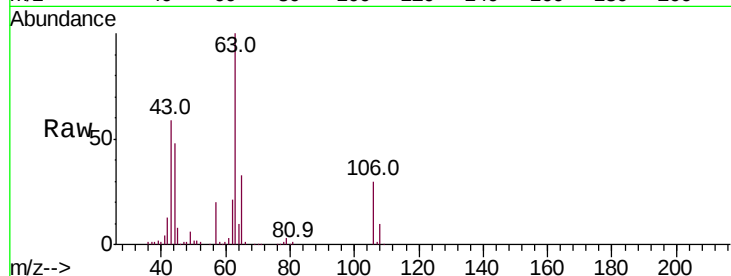




#55
 2-Chloroethyl vinyl ether
 Concen: 78.322 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN051314.D
 Acq: 19 Sep 2018 13:12

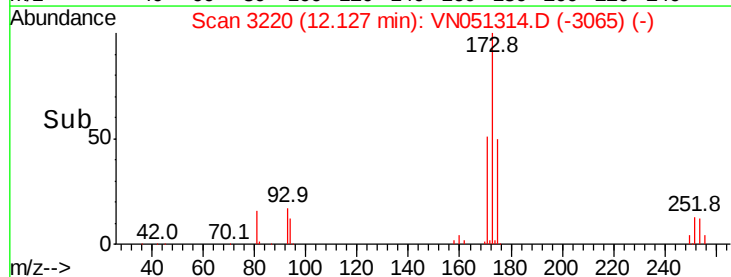
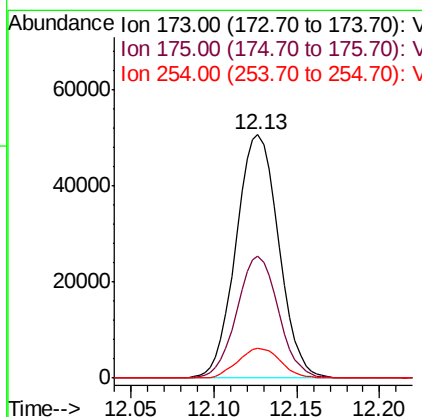
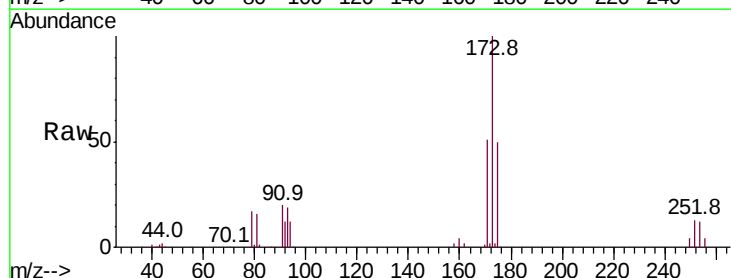
Instrument :
 MSVOA_N
 ClientSampleId :

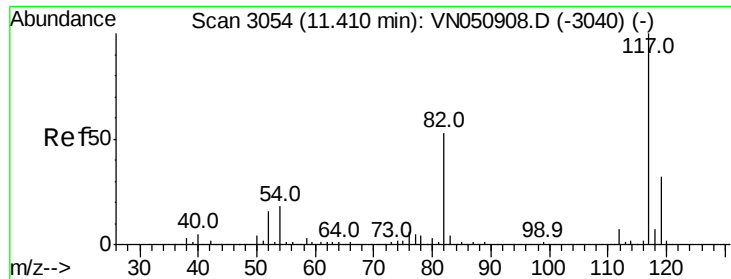
Tot Ion	Ratio	Lower	Upper
63	100		
65	32.8	25.4	38.2
106	29.6	22.0	33.0



#56
 Bromoform
 Concen: 19.328 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. -0.00 min
 Lab File: VN051314.D
 Acq: 19 Sep 2018 13:12

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.9	39.2	58.8
254	12.3	9.0	13.6

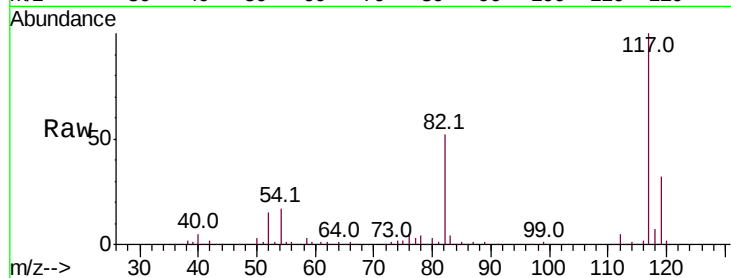




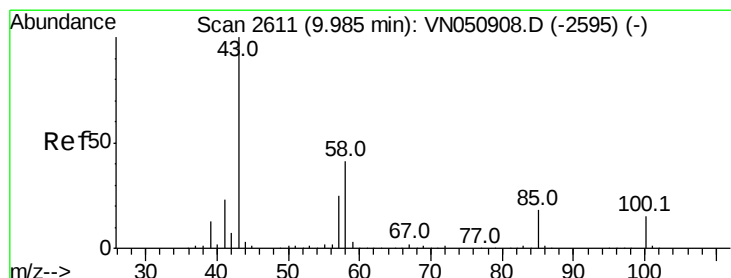
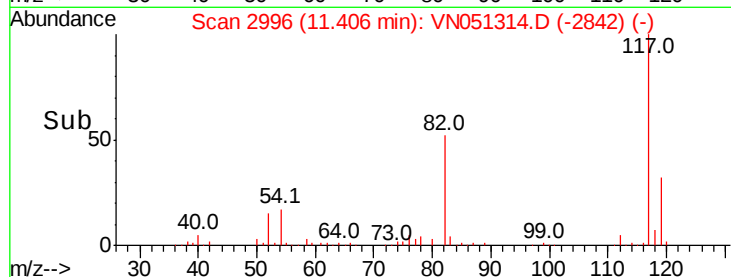
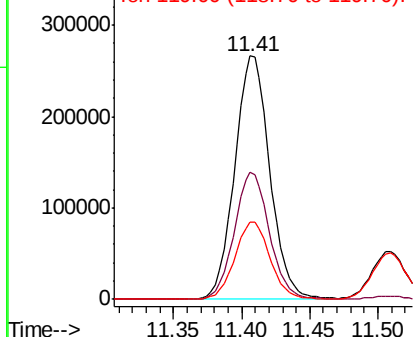
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051314.D
Acq: 19 Sep 2018 13:12

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 476048
Ion Ratio Lower Upper
117 100
82 52.0 42.6 64.0
119 31.9 25.7 38.5

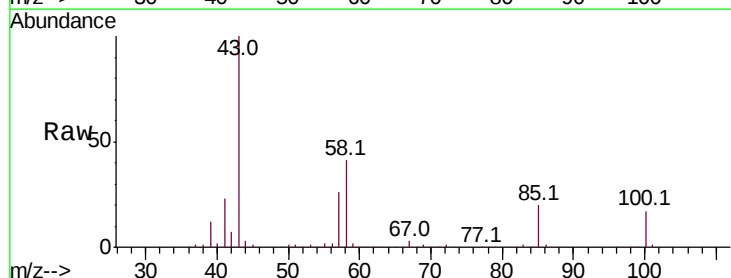


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VN
Ion 119.00 (118.70 to 119.70): V

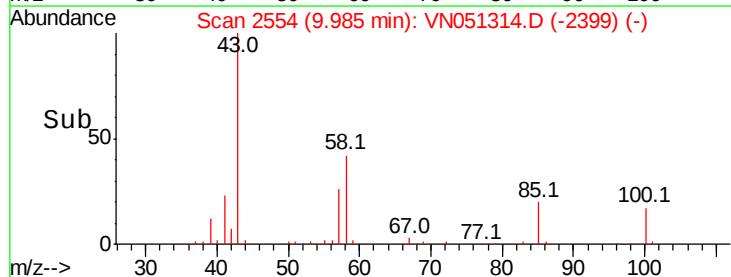
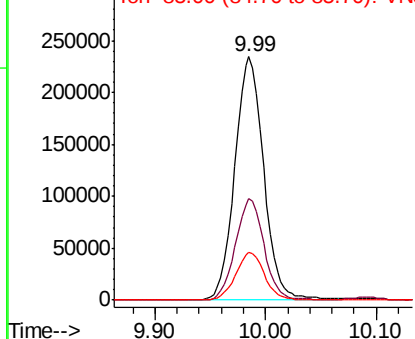


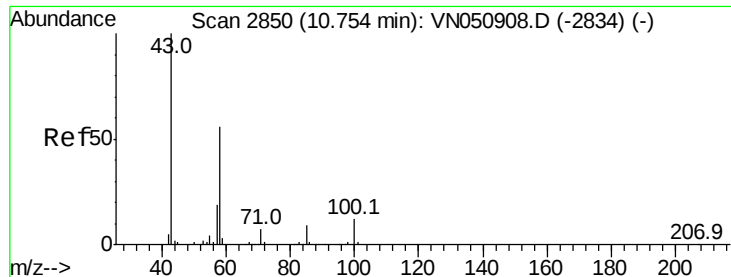
#58
4-Methyl-2-Pentanone
Concen: 77.951 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN051314.D
Acq: 19 Sep 2018 13:12

Tgt Ion: 43 Resp: 424578
Ion Ratio Lower Upper
43 100
58 41.2 32.3 48.5
85 19.4 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

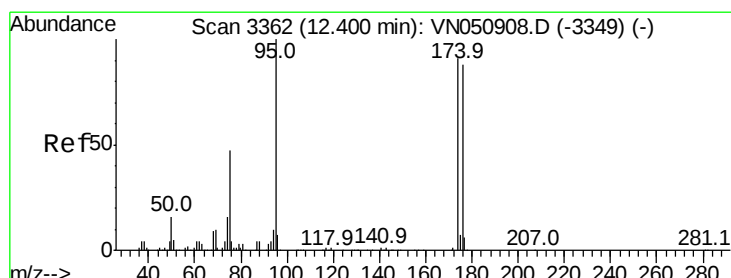
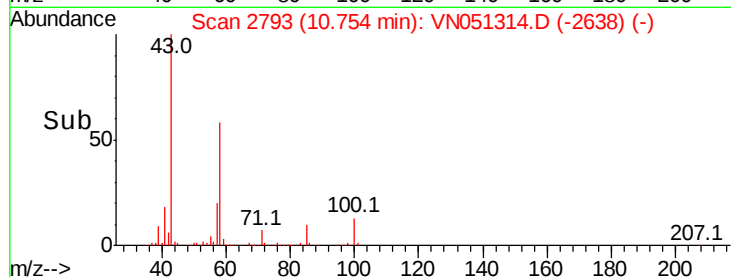
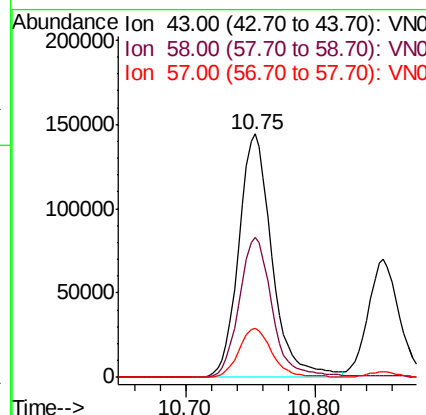
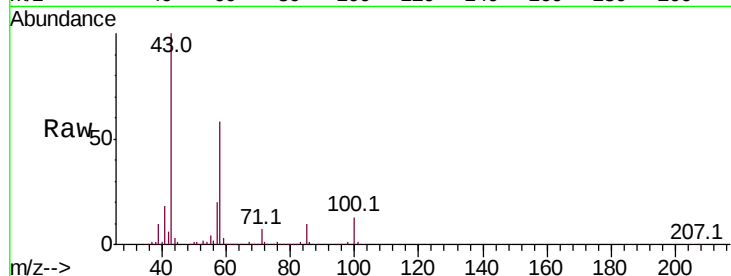




#59
2-Hexanone
Concen: 72.488 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN051314.D
Acq: 19 Sep 2018 13:12

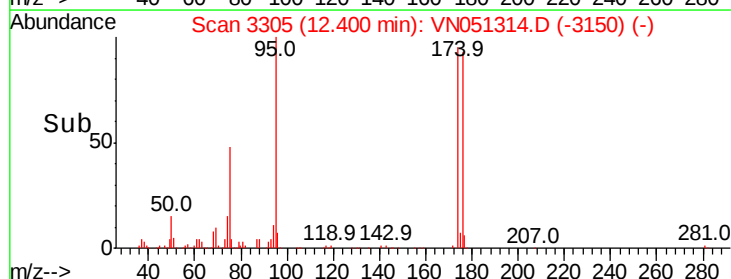
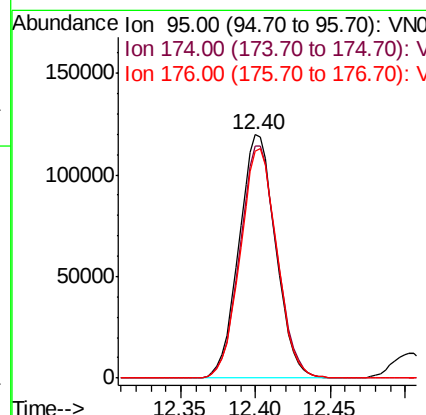
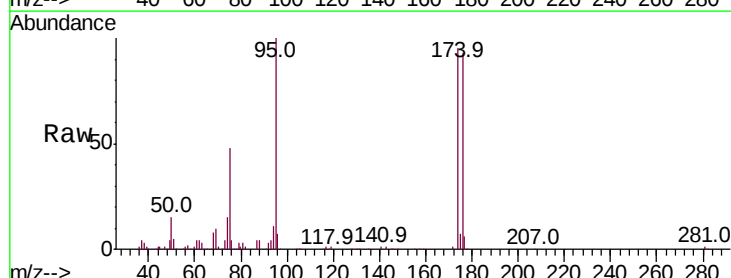
Instrument :
MSVOA_N
ClientSampleId :

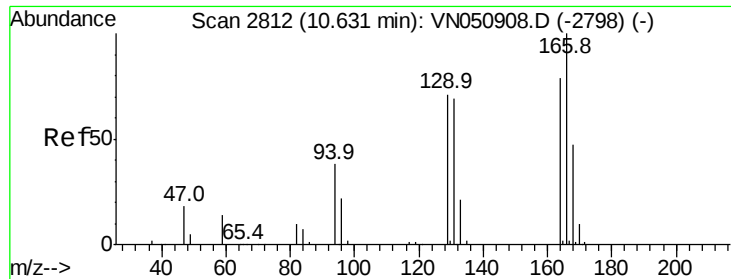
Tot Ion: 43 Resp: 258071
Ion Ratio Lower Upper
43 100
58 57.4 45.5 68.3
57 20.3 15.2 22.8



#60
4-Bromofluorobenzene
Concen: 28.846 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN051314.D
Acq: 19 Sep 2018 13:12

Tgt Ion: 95 Resp: 204200
Ion Ratio Lower Upper
95 100
174 96.4 74.6 112.0
176 94.2 71.5 107.3





#61

Tetrachloroethene

Concen: 22.351 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN051314.D

Acq: 19 Sep 2018 13:12

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:164 Resp: 132590

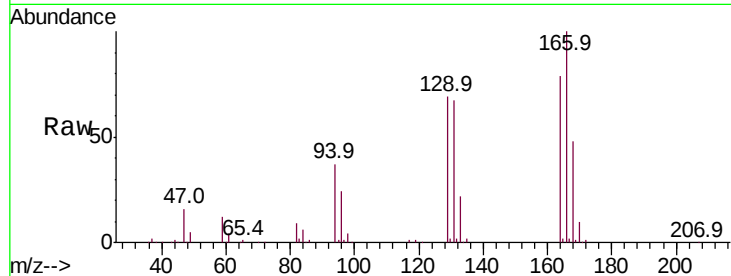
Ion Ratio Lower Upper

164 100

166 126.9 100.6 151.0

129 87.4 71.0 106.6

131 85.5 69.3 103.9



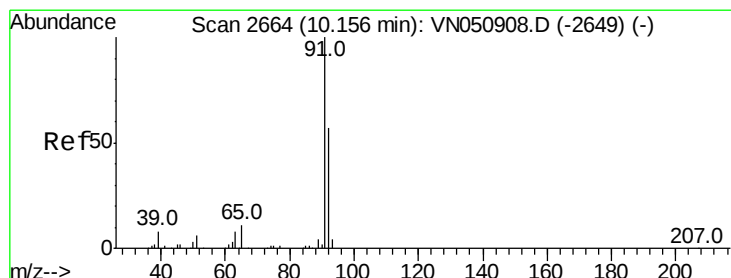
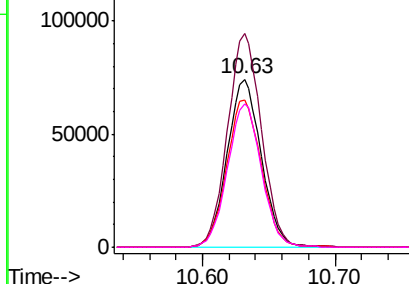
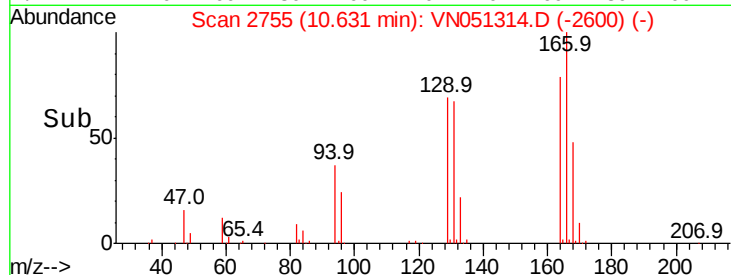
Abundance

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: 20.730 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN051314.D

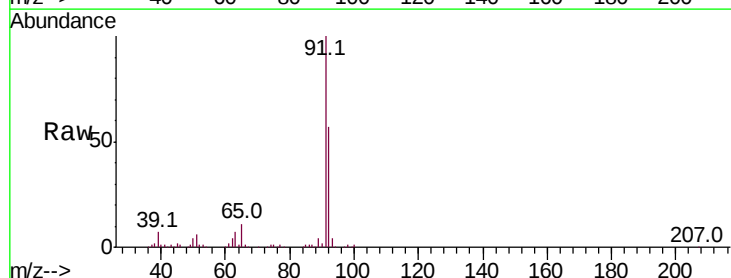
Acq: 19 Sep 2018 13:12

Tgt Ion: 91 Resp: 550544

Ion Ratio Lower Upper

91 100

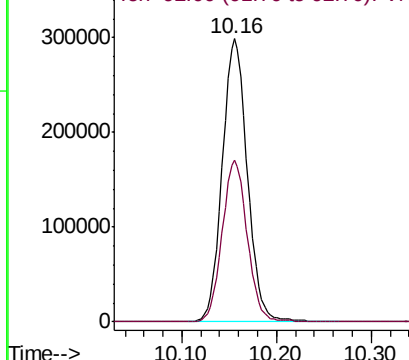
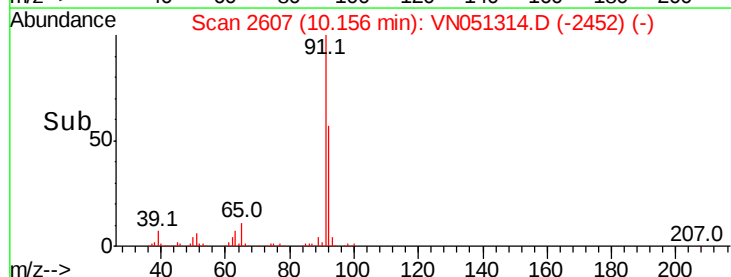
92 57.2 45.8 68.8

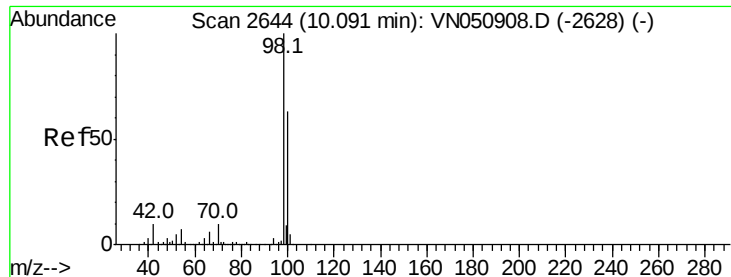


Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 30.271 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051314.D

Acq: 19 Sep 2018 13:12

Instrument :

MSVOA_N

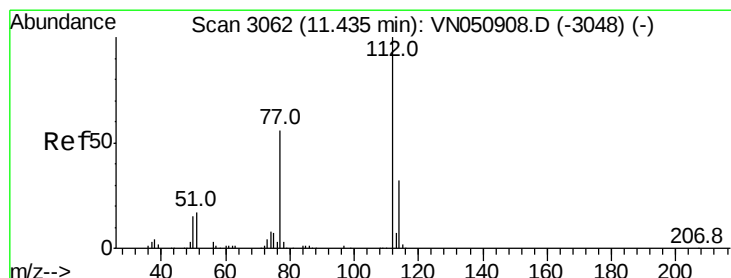
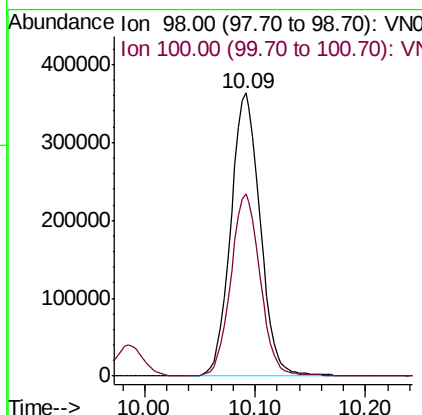
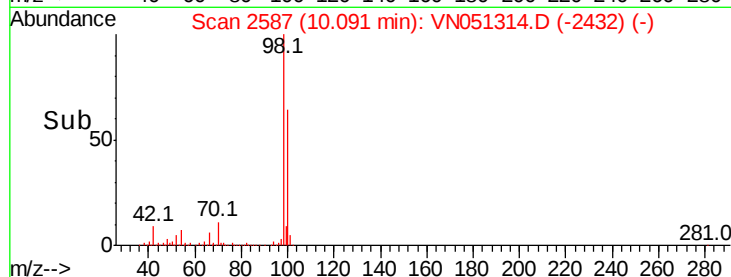
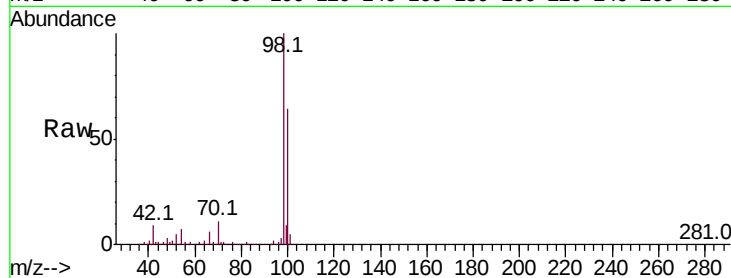
ClientSampled :

Tot Ion: 98 Resp: 672005

Ion Ratio Lower Upper

98 100

100 64.3 50.6 75.8



#64

Chlorobenzene

Concen: 21.128 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN051314.D

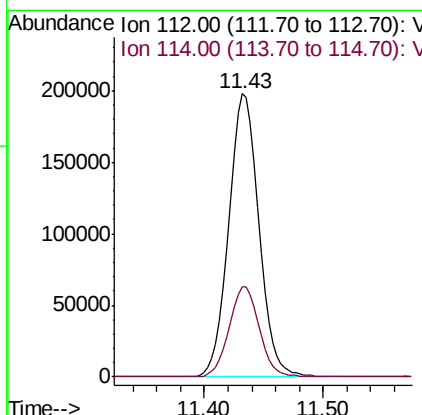
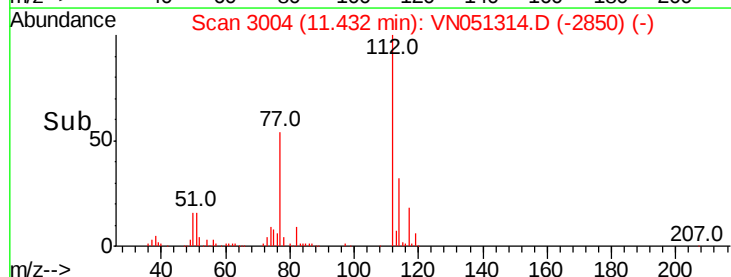
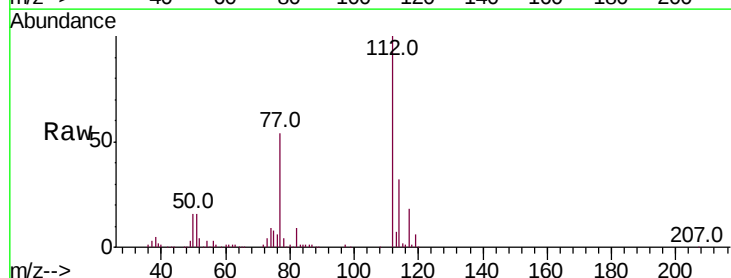
Acq: 19 Sep 2018 13:12

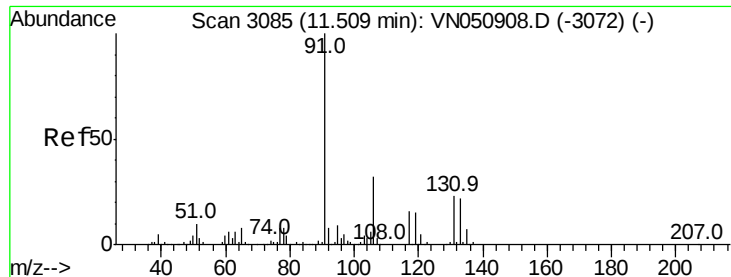
Tgt Ion: 112 Resp: 347758

Ion Ratio Lower Upper

112 100

114 31.8 25.5 38.3





#65

1,1,1,2-Tetrachloroethane

Concen: 21.597 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN051314.D

Acq: 19 Sep 2018 13:12

Instrument :

MSVOA_N

ClientSampled :

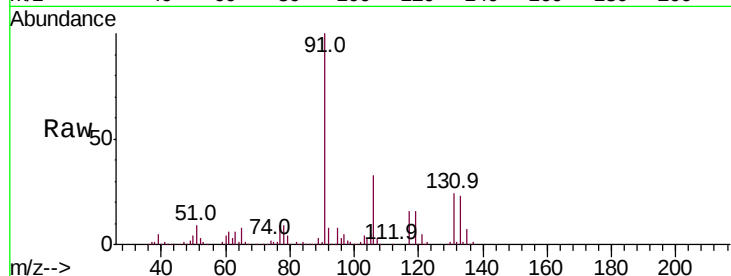
Tot Ion:131 Resp: 134216

Ion Ratio Lower Upper

131 100

133 96.1 0.0 189.4

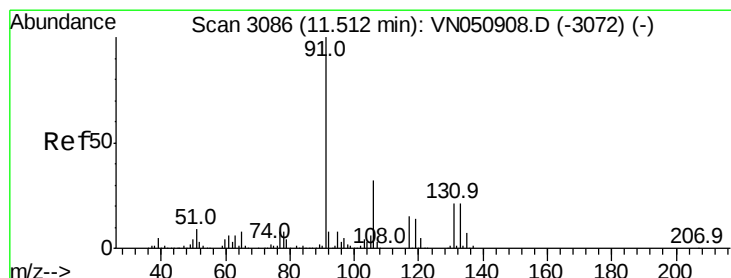
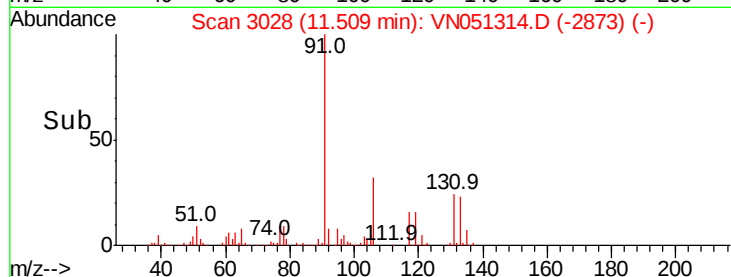
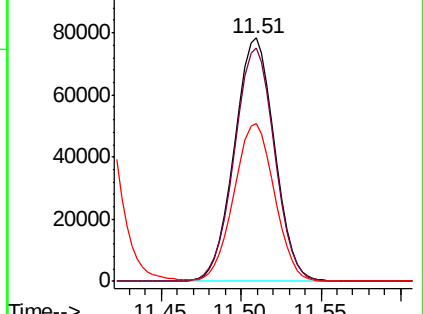
119 65.6 0.0 132.2



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: 20.165 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN051314.D

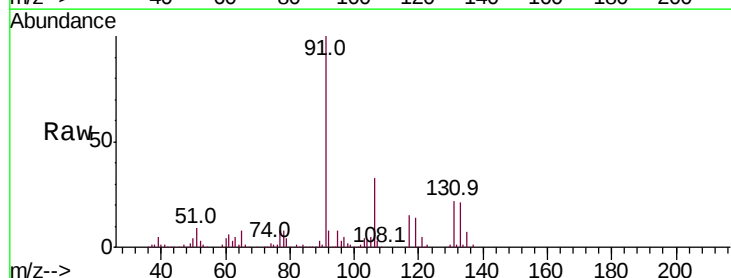
Acq: 19 Sep 2018 13:12

Tgt Ion: 91 Resp: 554733

Ion Ratio Lower Upper

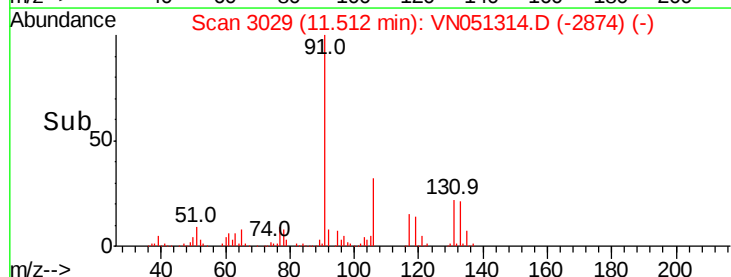
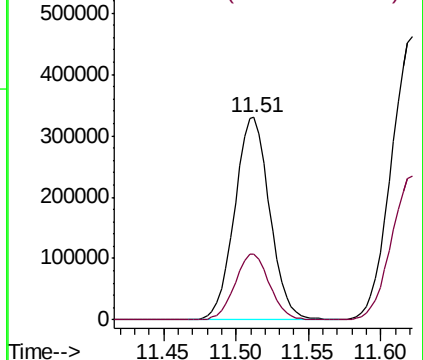
91 100

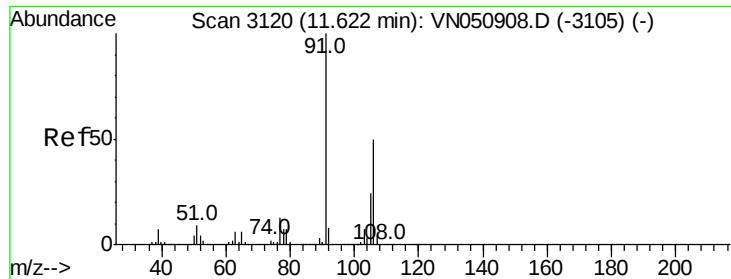
106 32.7 25.7 38.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

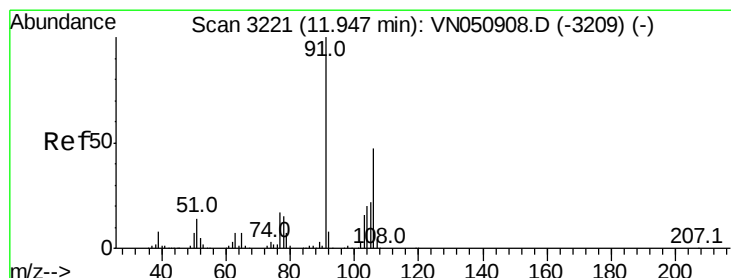
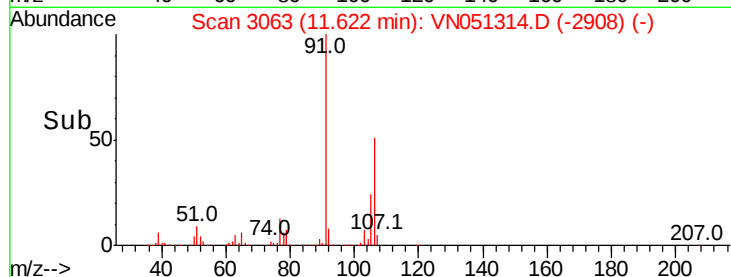
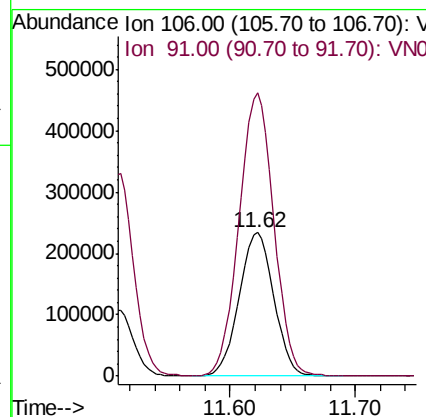
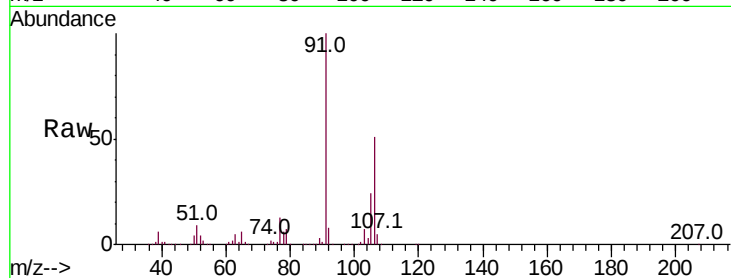




#67
m/p-Xylenes
Concen: 42.524 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN051314.D
Acq: 19 Sep 2018 13:12

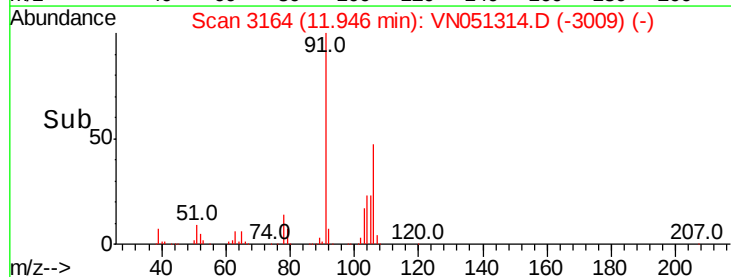
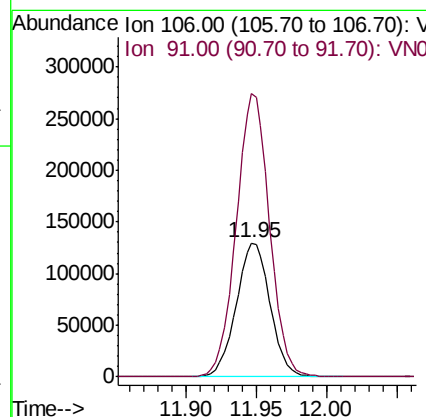
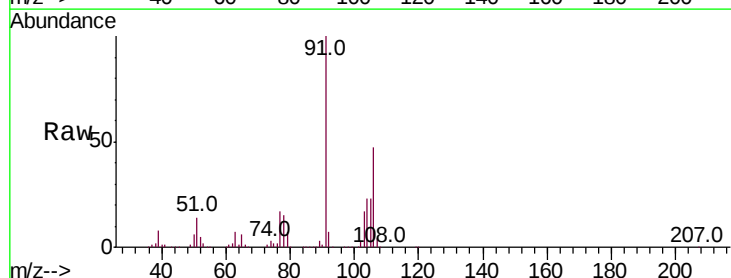
Instrument :
MSVOA_N
ClientSampleId :

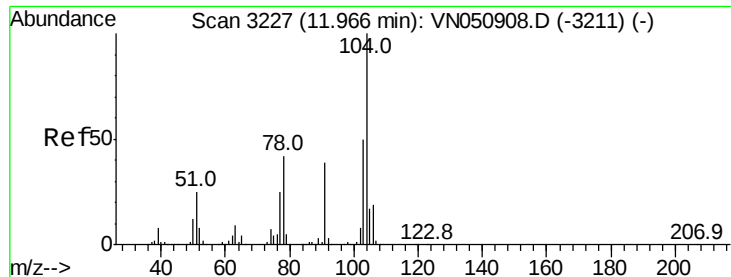
Tot Ion:106 Resp: 450095
Ion Ratio Lower Upper
106 100
91 197.0 160.6 241.0



#68
o-Xylene
Concen: 21.483 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051314.D
Acq: 19 Sep 2018 13:12

Tgt Ion:106 Resp: 217268
Ion Ratio Lower Upper
106 100
91 207.8 106.4 319.2





#69

Stvrene

Concen: 20.758 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. -0.00 min

Lab File: VN051314.D

Acq: 19 Sep 2018 13:12

Instrument :

MSVOA_N

ClientSampled :

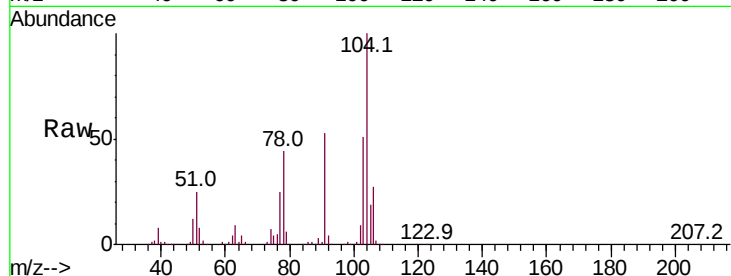
Tot Ion:104 Resp: 333794

Ion Ratio Lower Upper

104 100

78 47.6 38.6 58.0

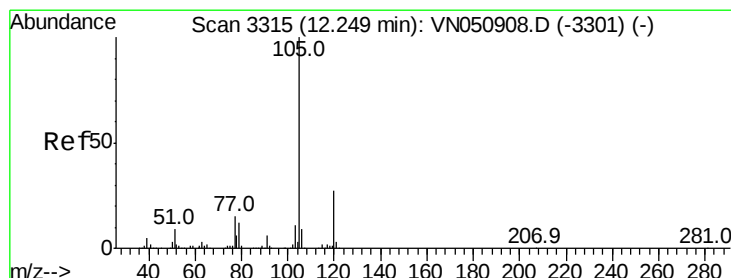
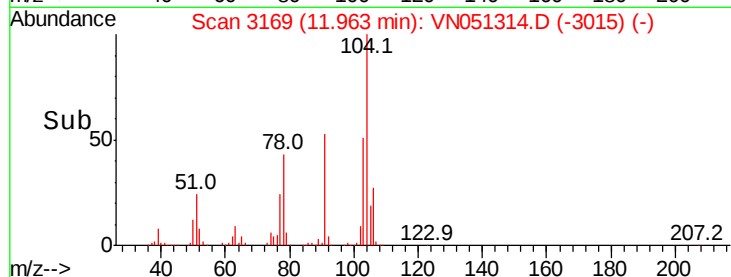
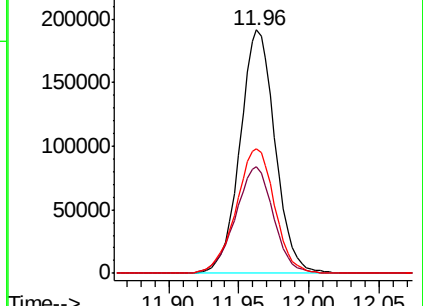
103 56.4 45.4 68.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V



#70

Isopropylbenzene

Concen: 20.877 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051314.D

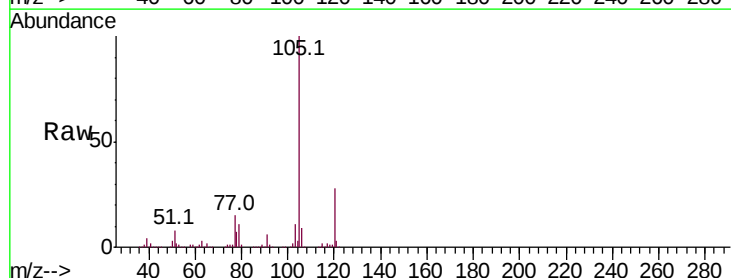
Acq: 19 Sep 2018 13:12

Tgt Ion:105 Resp: 561059

Ion Ratio Lower Upper

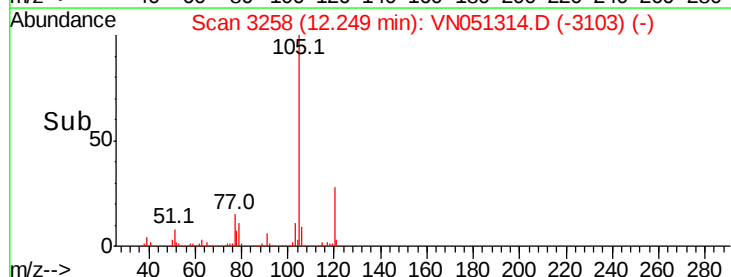
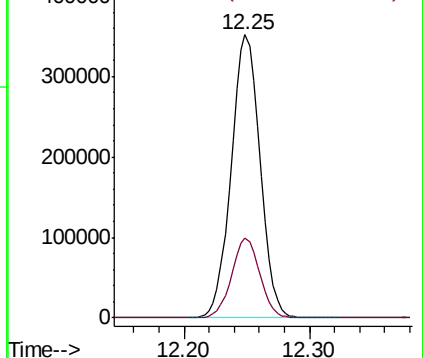
105 100

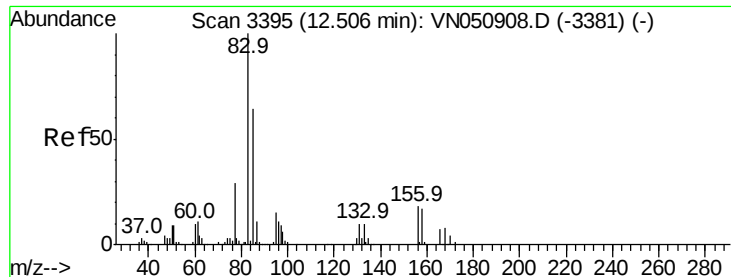
120 27.5 18.6 34.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

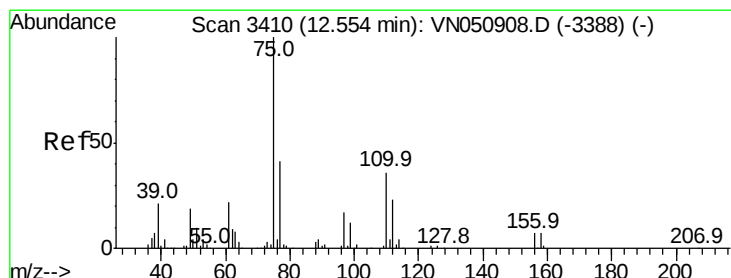
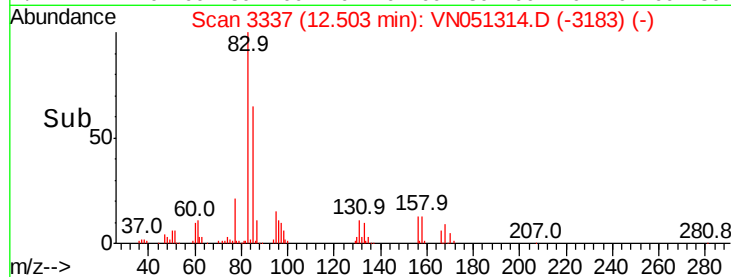
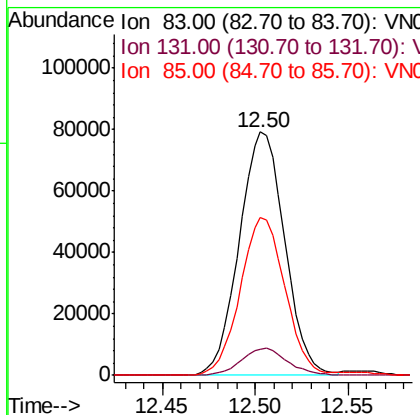
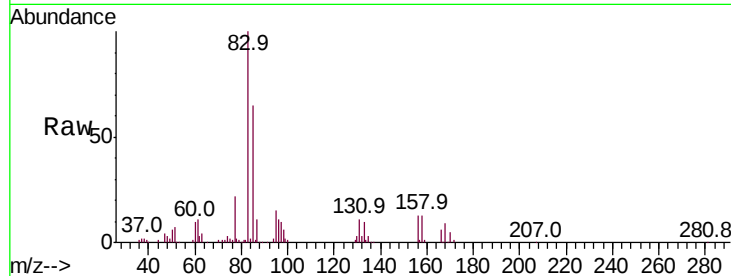




#71
 1,1,2,2-Tetrachloroethane
 Concen: 18.511 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN051314.D
 Acq: 19 Sep 2018 13:12

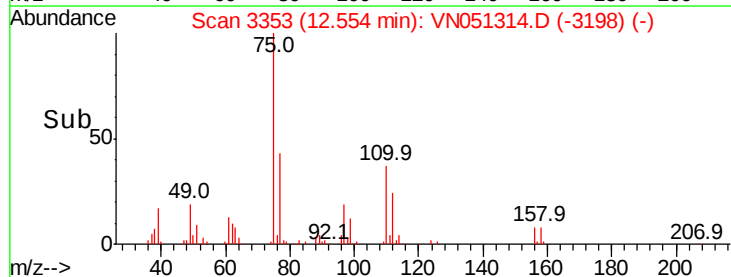
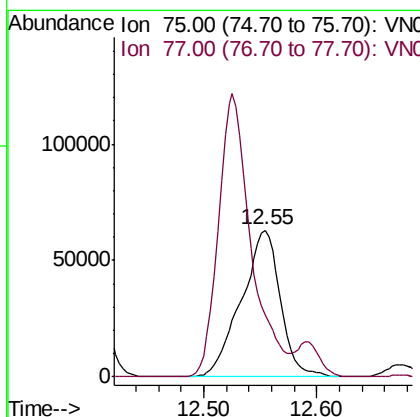
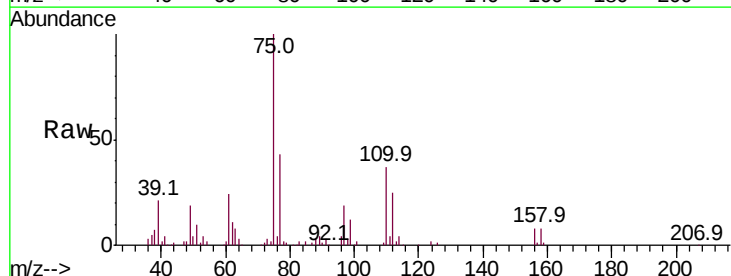
Instrument :
 MSVOA_N
 ClientSampled :

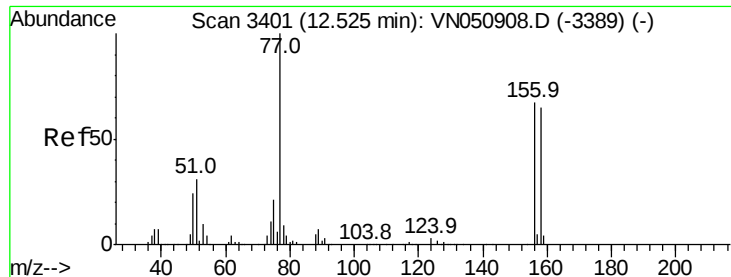
Tot Ion	83	Resp	134689
Ion	Ratio	Lower	Upper
83	100		
131	11.3	5.3	15.9
85	64.0	32.3	96.9



#72
 1,2,3-Trichloropropane
 Concen: 24.080 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN051314.D
 Acq: 19 Sep 2018 13:12

Tgt Ion	75	Resp	151162
Ion	Ratio	Lower	Upper
75	100		
77	162.2	0.0	301.6





#73

Bromobenzene

Concen: 20.507 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051314.D

Acq: 19 Sep 2018 13:12

Instrument :

MSVOA_N

ClientSampled :

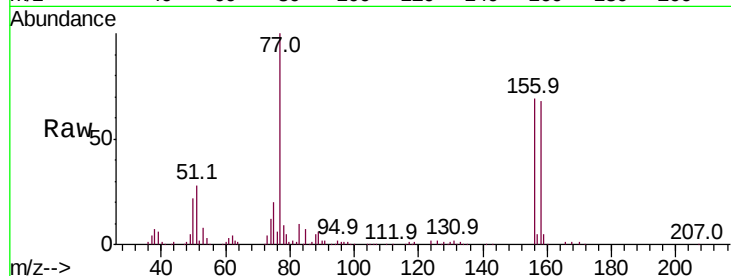
Tot Ion:156 Resp: 145003

Ion Ratio Lower Upper

156 100

77 169.1 0.0 359.4

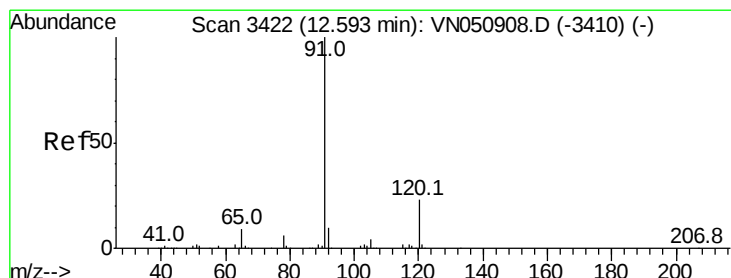
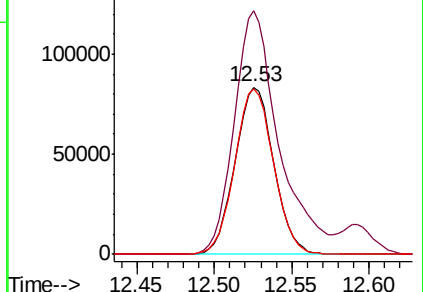
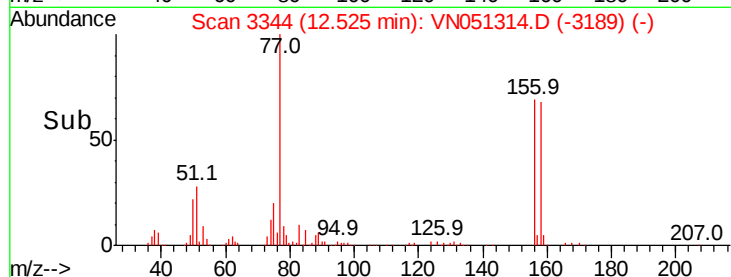
158 99.4 0.0 194.6



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 20.022 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN051314.D

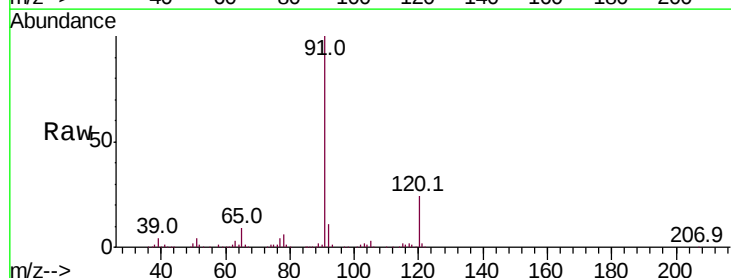
Acq: 19 Sep 2018 13:12

Tgt Ion: 91 Resp: 608332

Ion Ratio Lower Upper

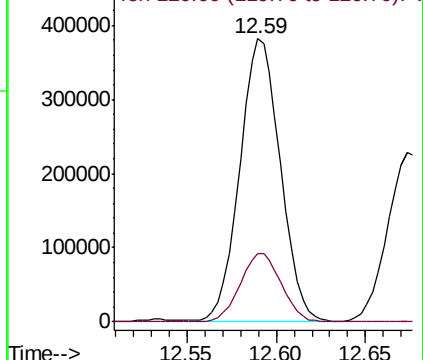
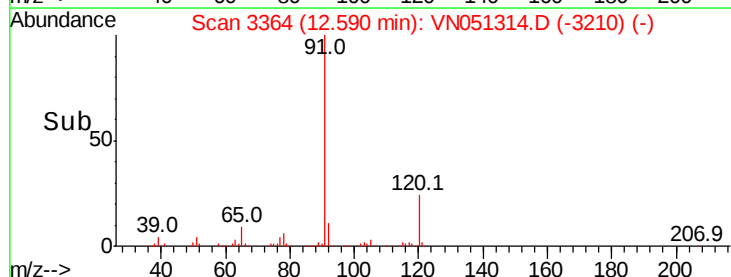
91 100

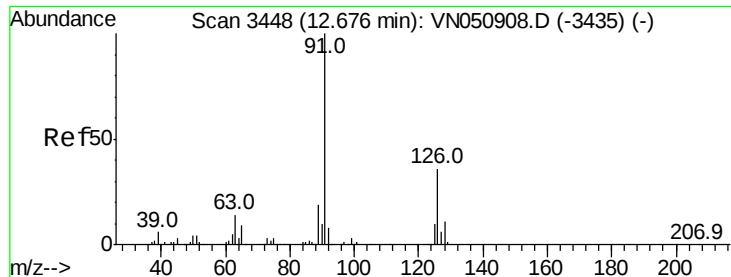
120 24.4 0.0 46.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.551 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051314.D

Acq: 19 Sep 2018 13:12

Instrument :

MSVOA_N

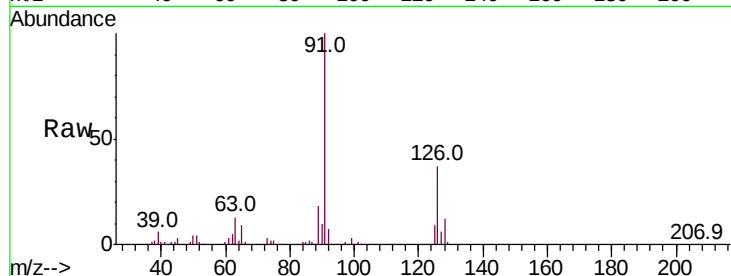
ClientSampled :

Tot Ion: 91 Resp: 379332

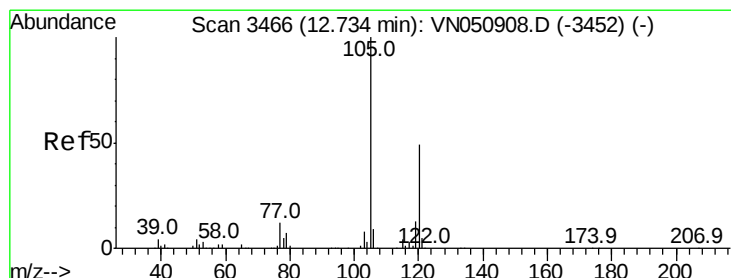
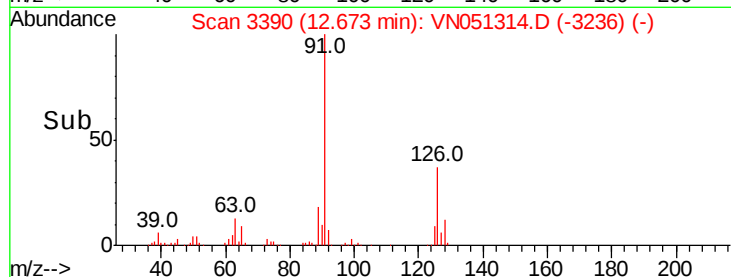
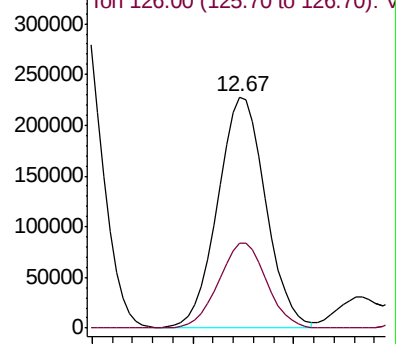
Ion Ratio Lower Upper

91 100

126 36.9 0.0 71.8



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



#76

1,3,5-Trimethylbenzene

Concen: 21.042 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051314.D

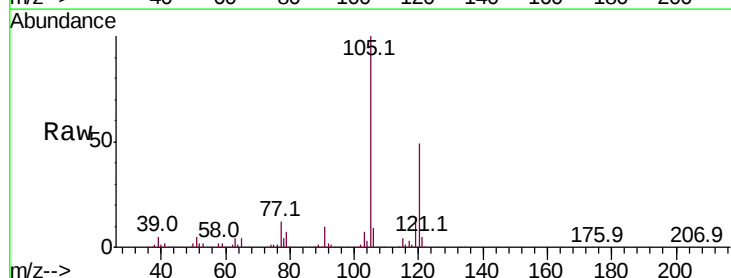
Acq: 19 Sep 2018 13:12

Tgt Ion:105 Resp: 462125

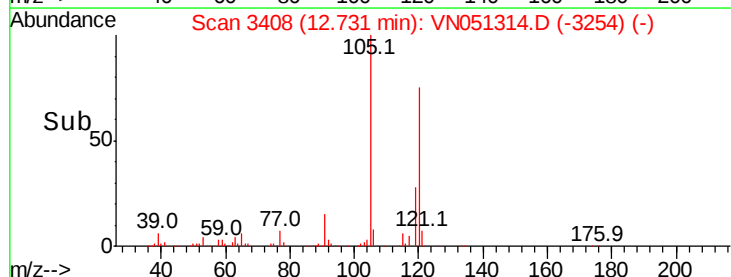
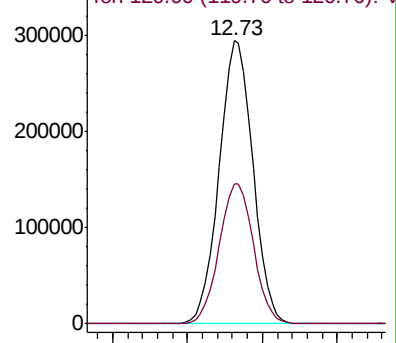
Ion Ratio Lower Upper

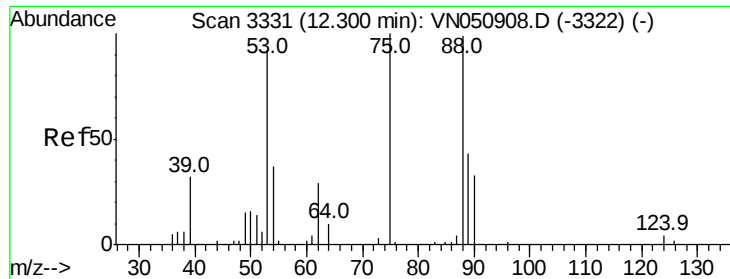
105 100

120 50.5 0.0 99.6



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





#77

t-1,4-Dichloro-2-butene

Concen: 16.304 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN051314.D

Acq: 19 Sep 2018 13:12

Instrument :

MSVOA_N

ClientSampleId :

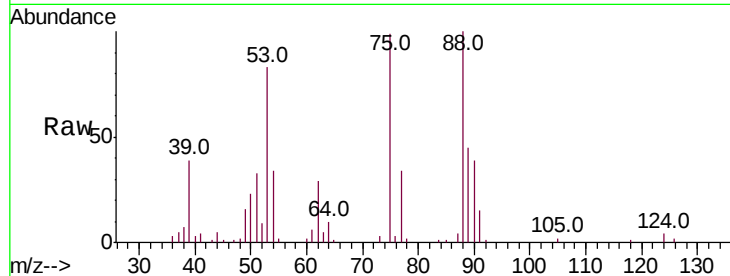
Tot Ion: 75 Resp: 29159

Ion Ratio Lower Upper

75 100

53 84.0 45.5 136.4

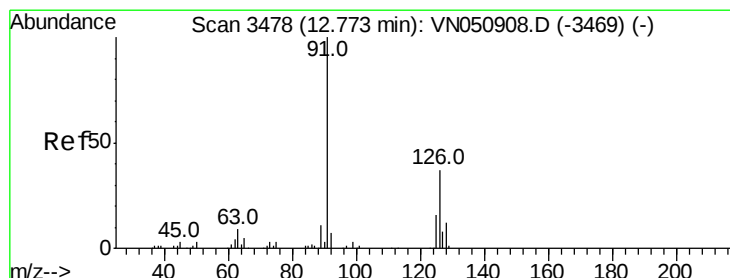
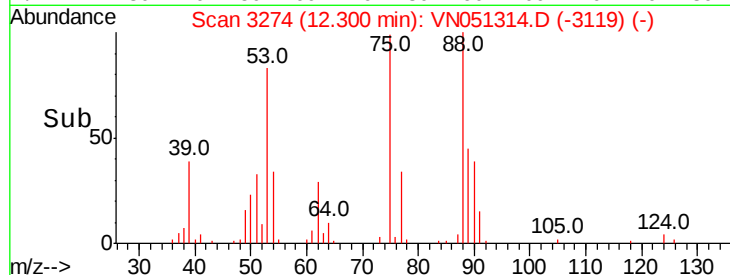
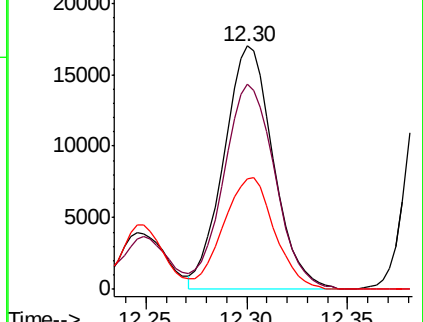
89 45.6 21.9 65.8



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: 20.094 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN051314.D

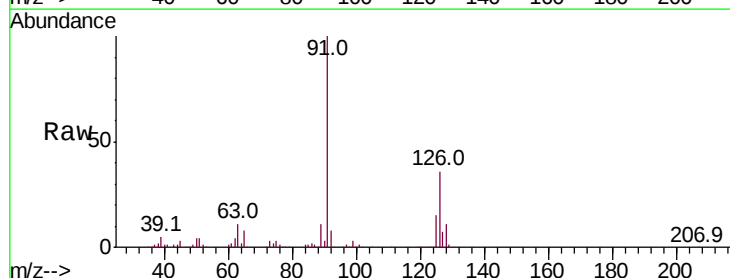
Acq: 19 Sep 2018 13:12

Tgt Ion: 91 Resp: 365209

Ion Ratio Lower Upper

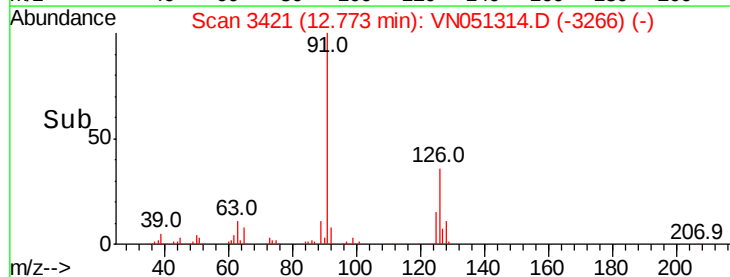
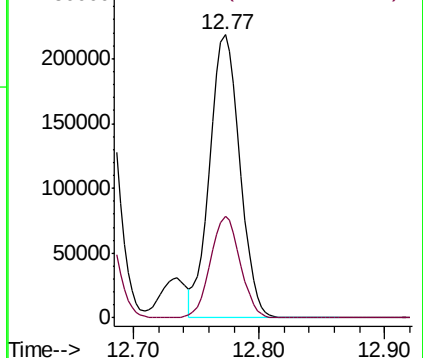
91 100

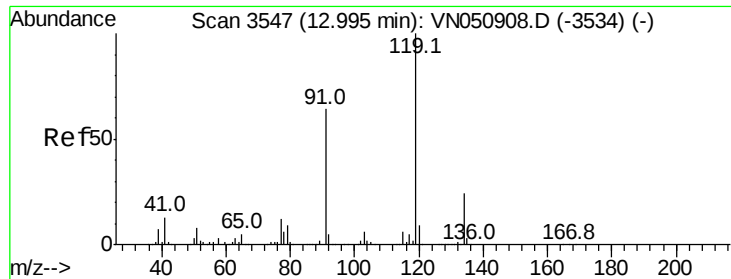
126 35.3 0.0 69.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

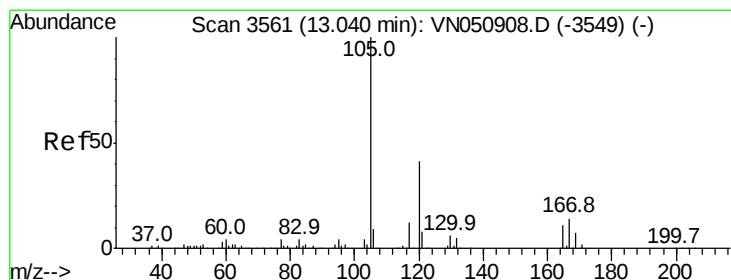
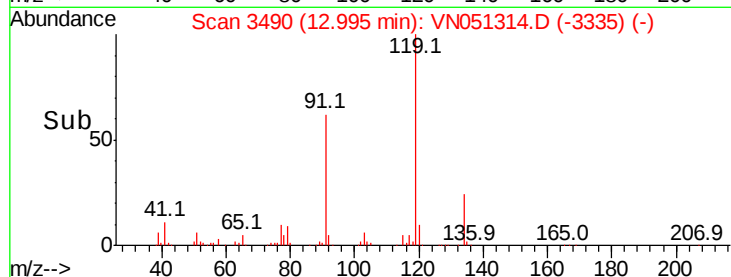
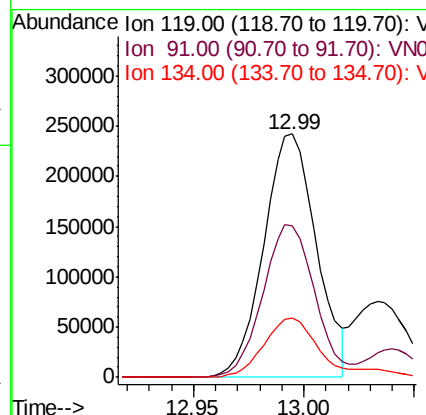
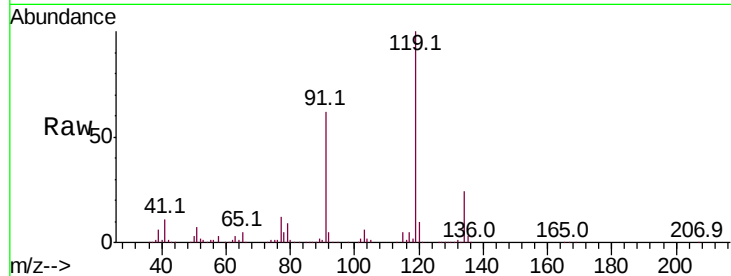




#79
tert-butylbenzene
Concen: 21.034 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN051314.D
Acq: 19 Sep 2018 13:12

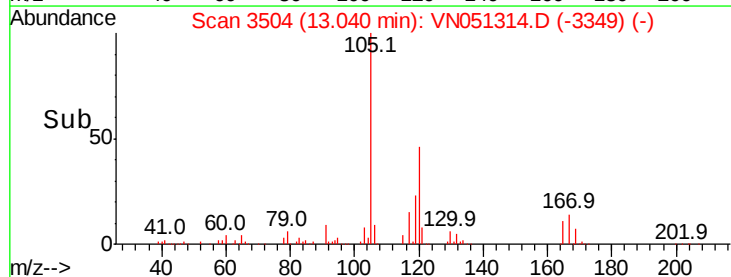
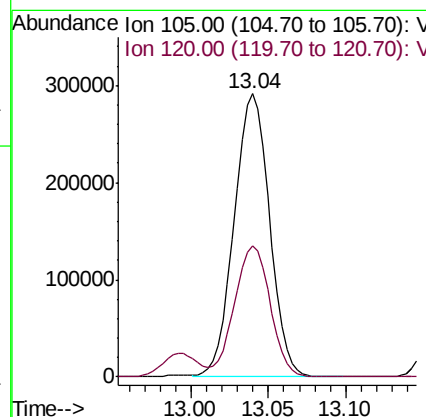
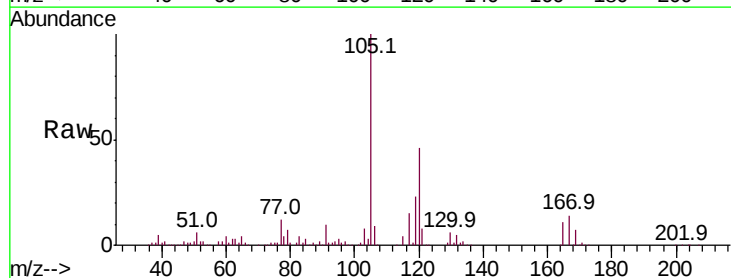
Instrument :
MSVOA_N
ClientSampled :

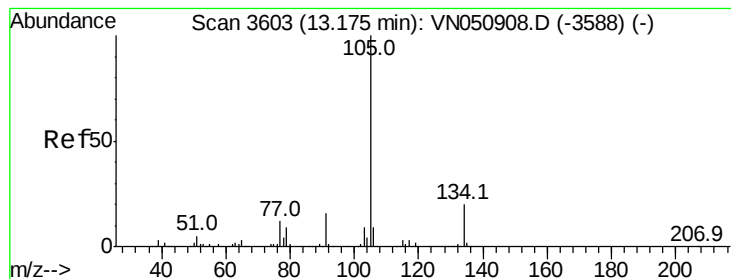
Tot Ion:119 Resp: 401193
Ion Ratio Lower Upper
119 100
91 61.8 0.0 125.6
134 24.3 0.0 48.4



#80
1,2,4-Trimethylbenzene
Concen: 21.090 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN051314.D
Acq: 19 Sep 2018 13:12

Tgt Ion:105 Resp: 461797
Ion Ratio Lower Upper
105 100
120 46.9 0.0 93.6





#81

sec-Butylbenzene

Concen: 20.592 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051314.D

Acq: 19 Sep 2018 13:12

Instrument :

MSVOA_N

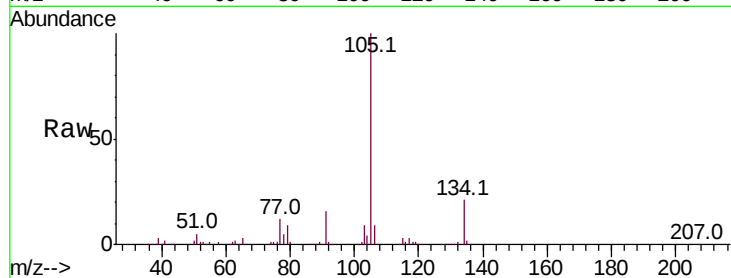
ClientSampleId :

Tot Ion:105 Resp: 513890

Ion Ratio Lower Upper

105 100

134 21.1 0.0 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

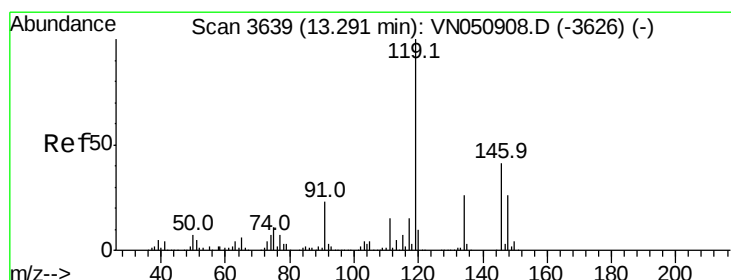
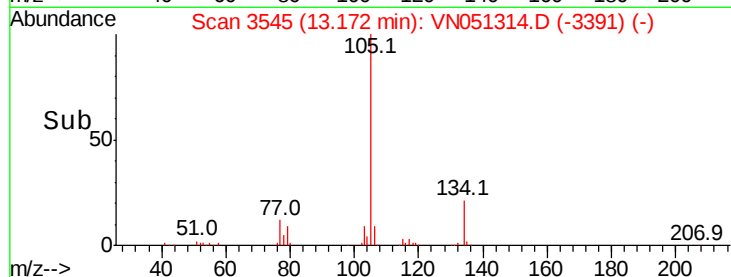
300000

200000

100000

0

Time-->



#82

p-Isopropyltoluene

Concen: 20.580 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN051314.D

Acq: 19 Sep 2018 13:12

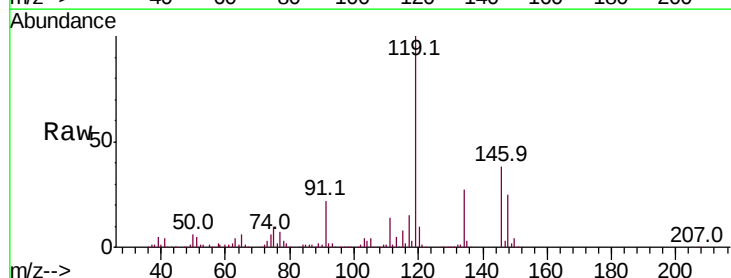
Tgt Ion:119 Resp: 443304

Ion Ratio Lower Upper

119 100

134 26.8 0.0 53.2

91 22.2 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

400000

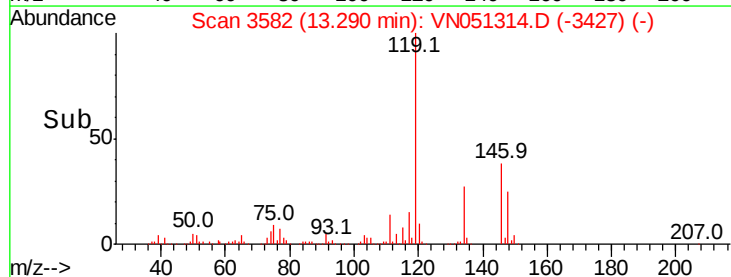
300000

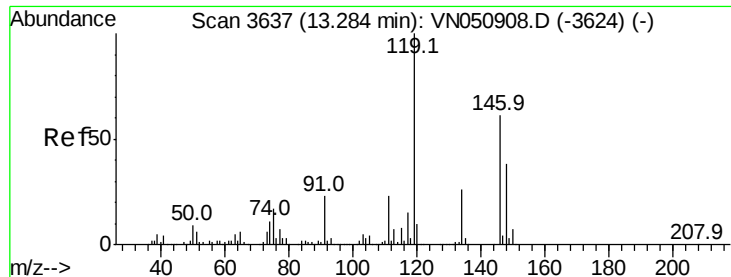
200000

100000

0

Time-->

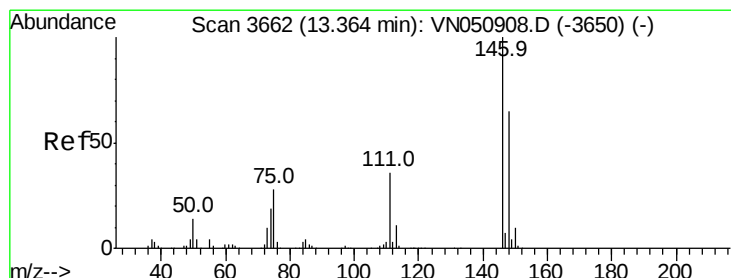
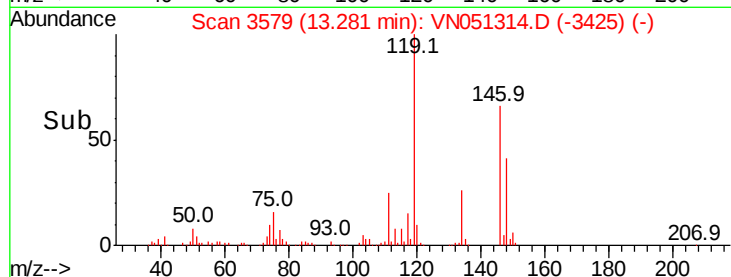
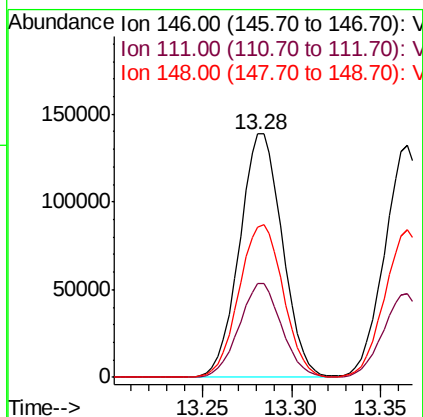
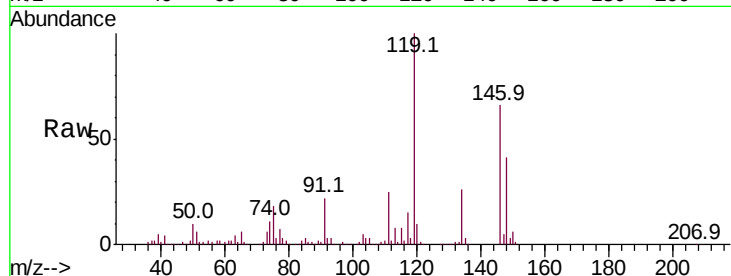




#83
 1,3-Dichlorobenzene
 Concen: 19.557 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN051314.D
 Acq: 19 Sep 2018 13:12

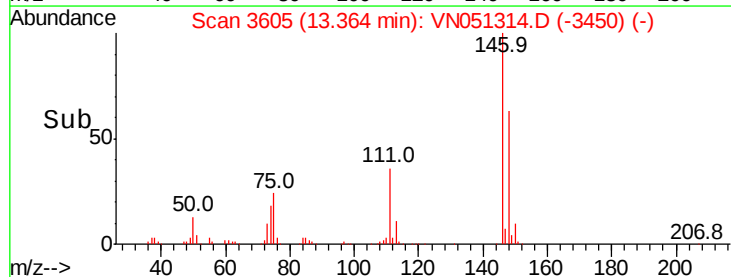
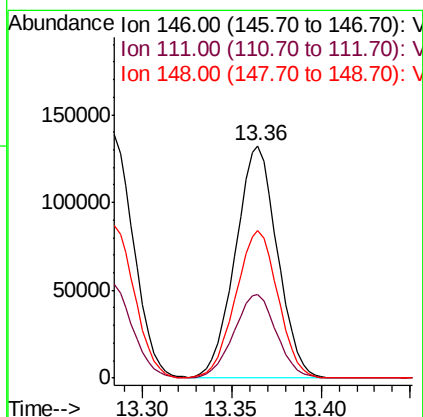
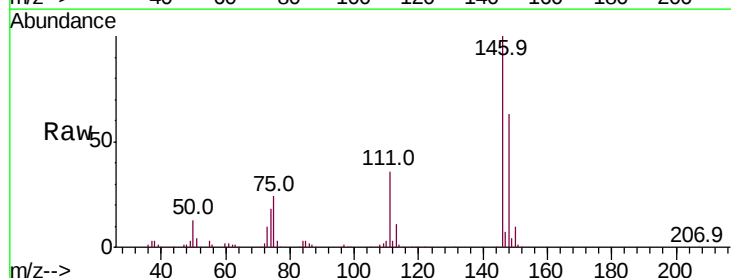
Instrument :
 MSVOA_N
 ClientSampled :

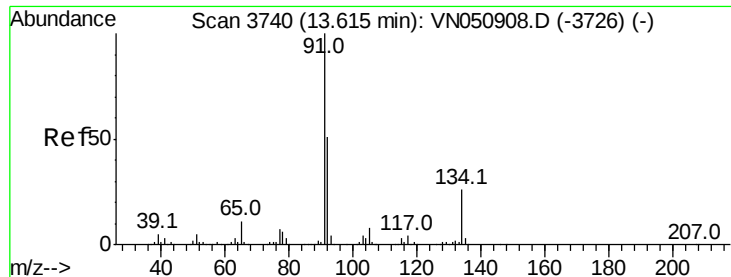
Tot Ion:146 Resp: 233794
 Ion Ratio Lower Upper
 146 100
 111 38.0 18.6 55.6
 148 64.5 31.8 95.3



#84
 1,4-Dichlorobenzene
 Concen: 19.160 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN051314.D
 Acq: 19 Sep 2018 13:12

Tgt Ion:146 Resp: 217022
 Ion Ratio Lower Upper
 146 100
 111 36.6 17.7 53.1
 148 64.4 31.6 94.8

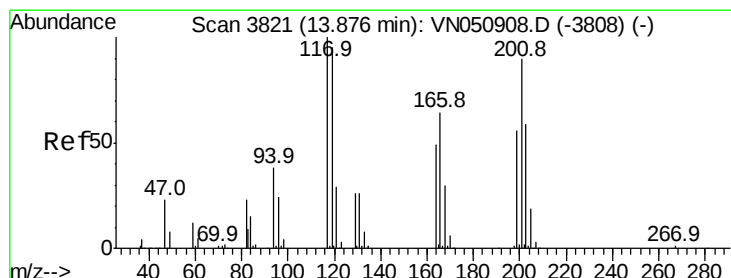
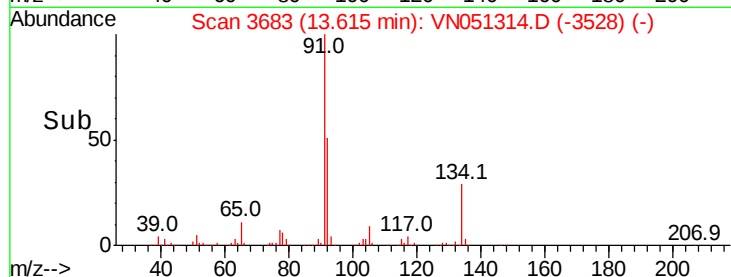
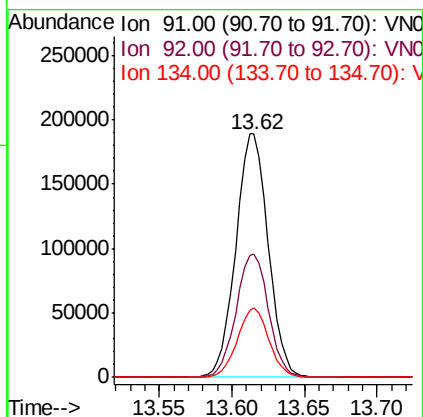
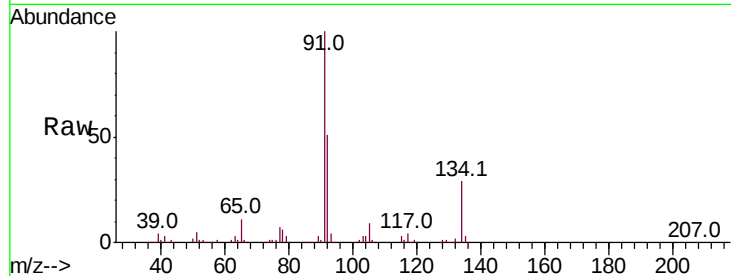




#85
n-Butylbenzene
Concen: 17.821 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN051314.D
Acq: 19 Sep 2018 13:12

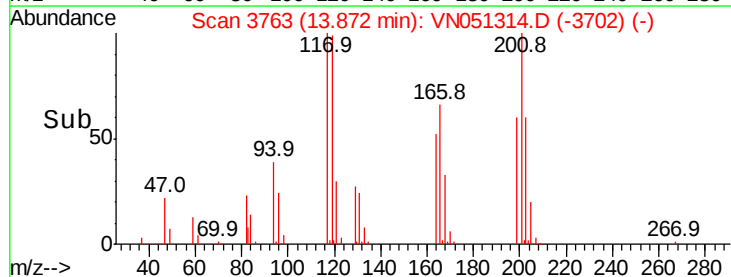
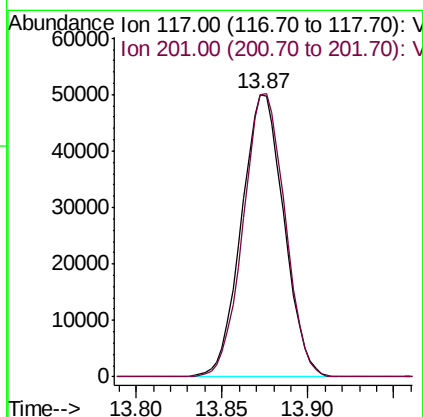
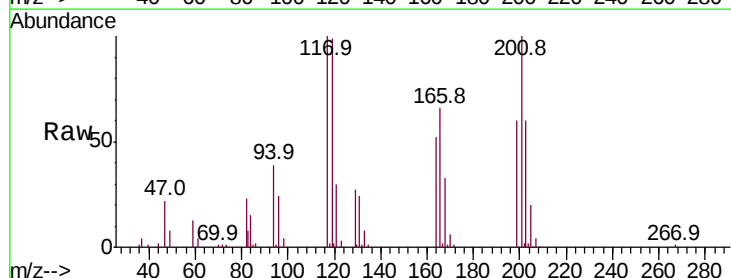
Instrument :
MSVOA_N
ClientSampled :

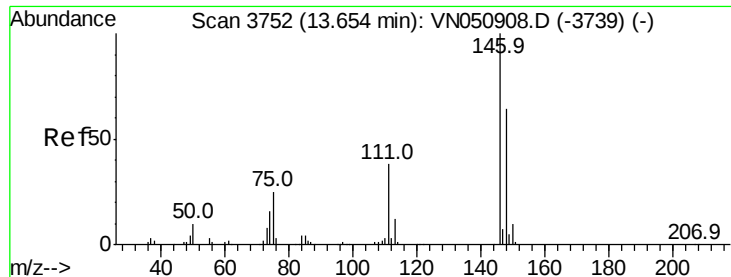
Tot Ion: 91 Resp: 292912
Ion Ratio Lower Upper
91 100
92 50.7 0.0 101.8
134 27.7 0.0 52.2



#86
Hexachloroethane
Concen: 20.709 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN051314.D
Acq: 19 Sep 2018 13:12

Tgt Ion: 117 Resp: 85621
Ion Ratio Lower Upper
117 100
201 98.6 45.8 137.4

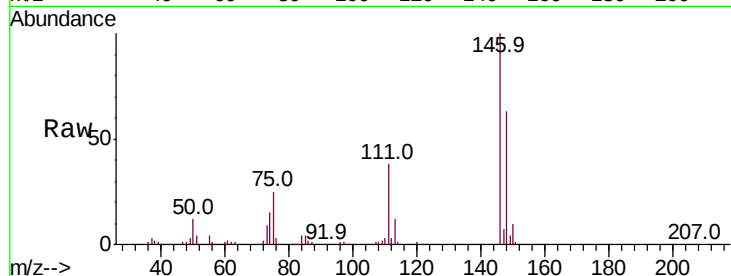




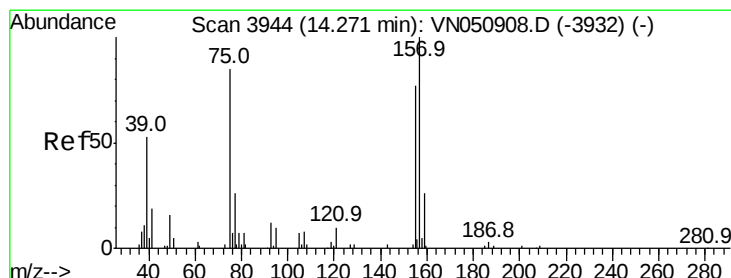
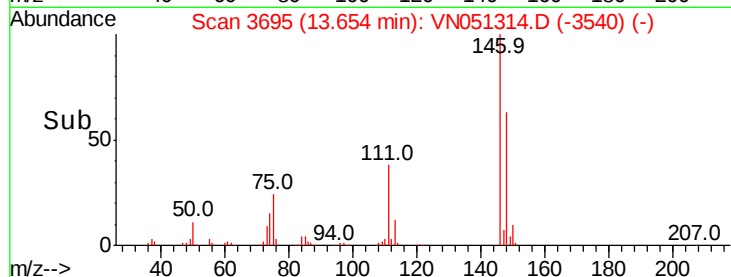
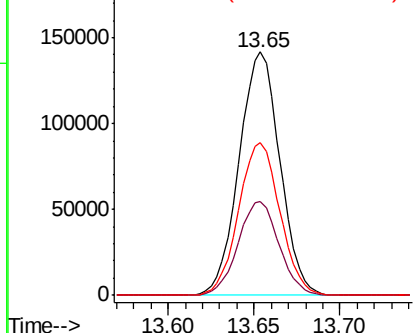
#87
 1,2-Dichlorobenzene
 Concen: 19.877 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN051314.D
 Acq: 19 Sep 2018 13:12

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.1	57.1
148	63.5	31.9	95.9

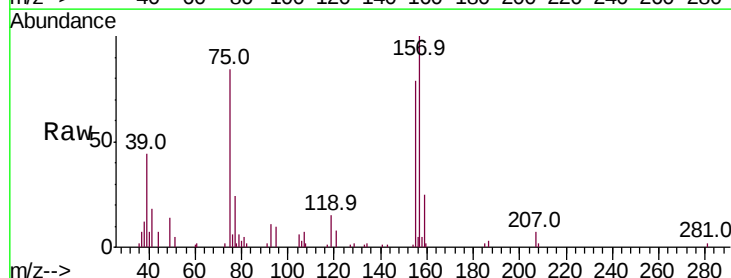


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

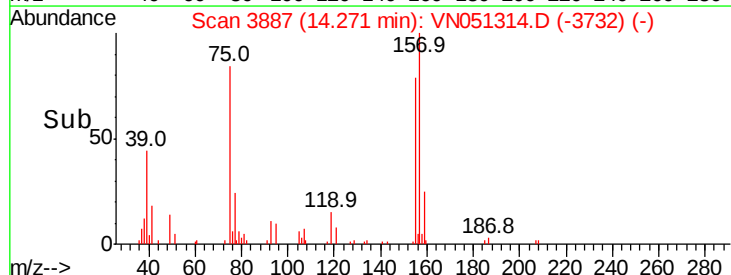
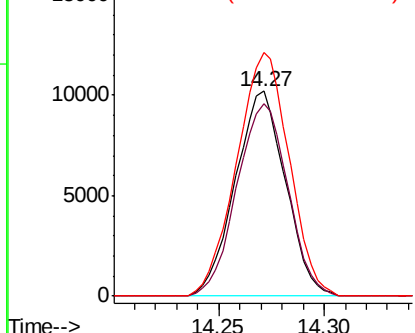


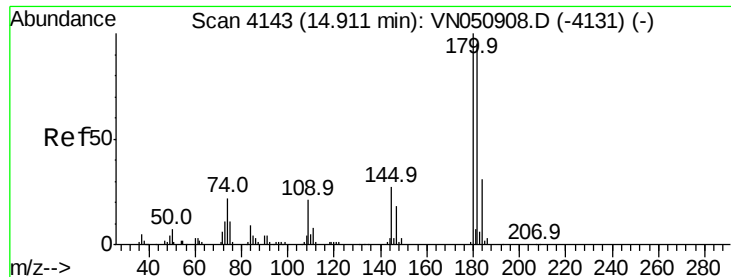
#88
 1,2-Dibromo-3-Chloropropane
 Concen: 16.655 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN051314.D
 Acq: 19 Sep 2018 13:12

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.7	71.8	107.6
157	123.8	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

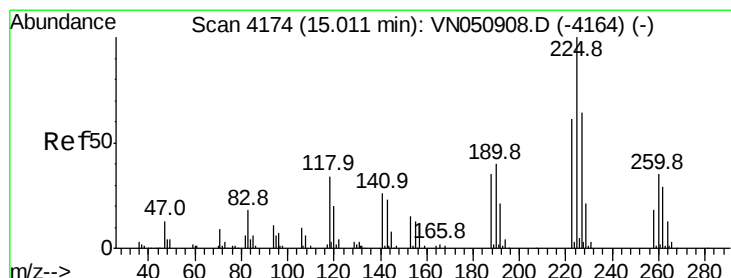
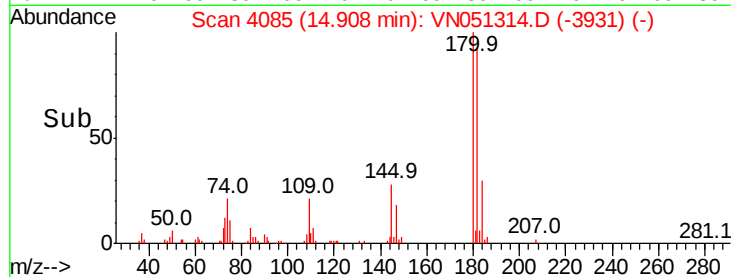
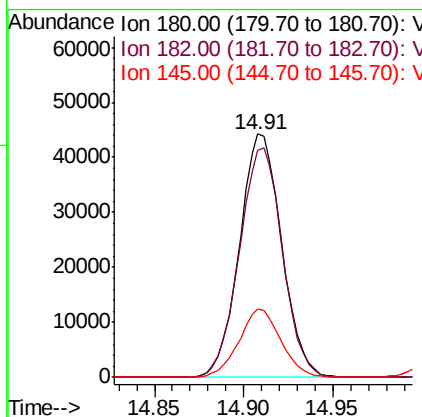
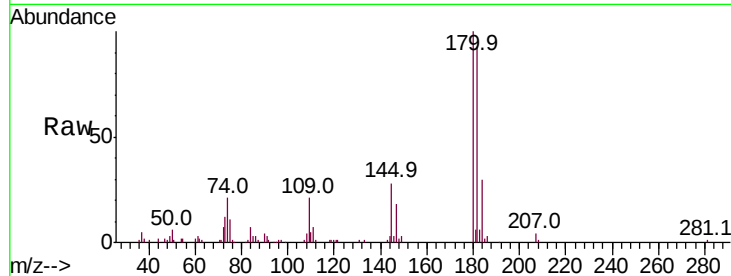




#89
 1,2,4-Trichlorobenzene
 Concen: 13.866 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051314.D
 Acq: 19 Sep 2018 13:12

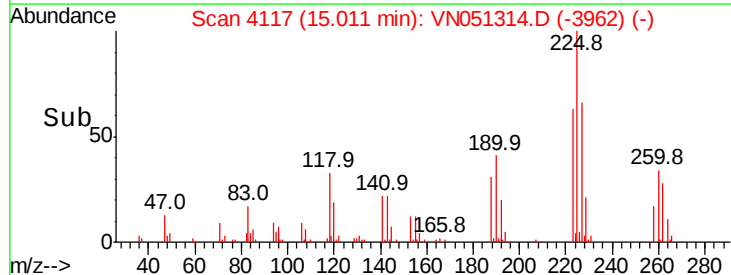
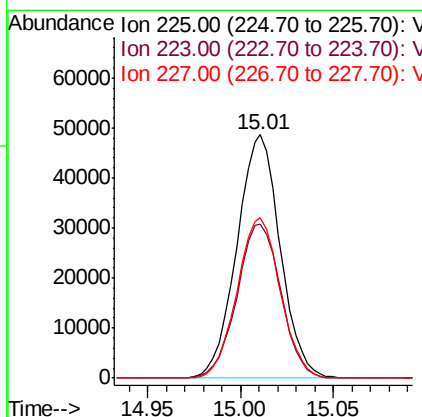
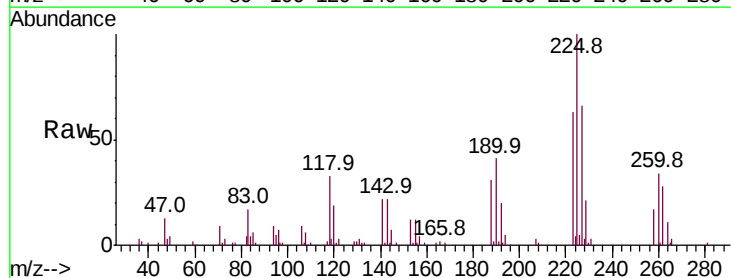
Instrument :
 MSVOA_N
 ClientSampleId :

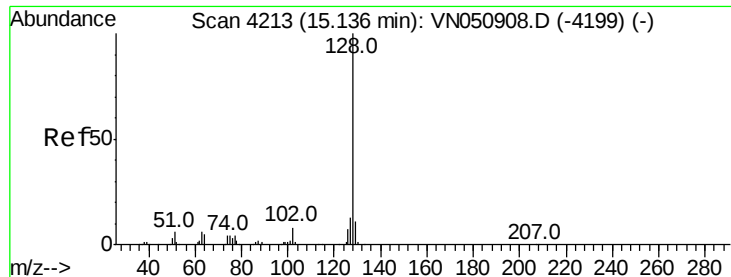
Tot Ion:180 Resp: 72637
 Ion Ratio Lower Upper
 180 100
 182 96.5 76.2 114.4
 145 27.8 22.2 33.4



#90
 Hexachlorobutadiene
 Concen: 22.198 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN051314.D
 Acq: 19 Sep 2018 13:12

Tgt Ion:225 Resp: 79002
 Ion Ratio Lower Upper
 225 100
 223 64.1 0.0 127.8
 227 65.6 0.0 128.4





#91

Naphthalene

Concen: 16.043 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051314.D

Acq: 19 Sep 2018 13:12

Instrument :

MSVOA_N

ClientSampleId :

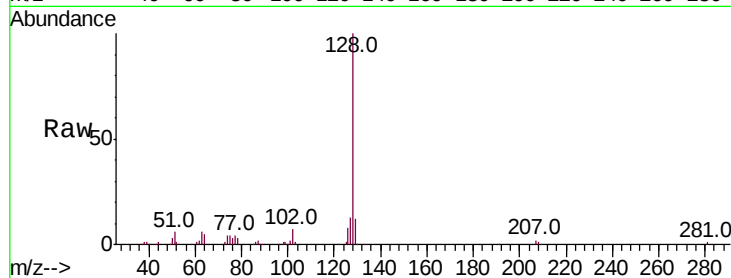
Tot Ion:128 Resp: 122247

Ion Ratio Lower Upper

128 100

127 13.4 10.6 16.0

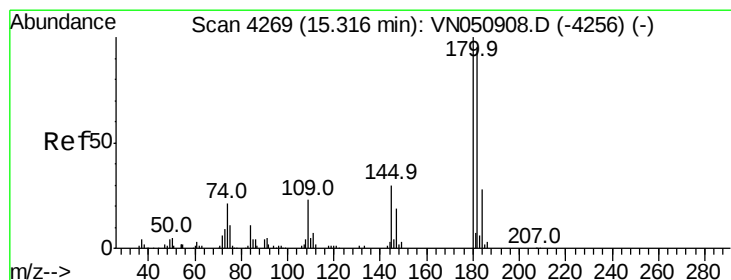
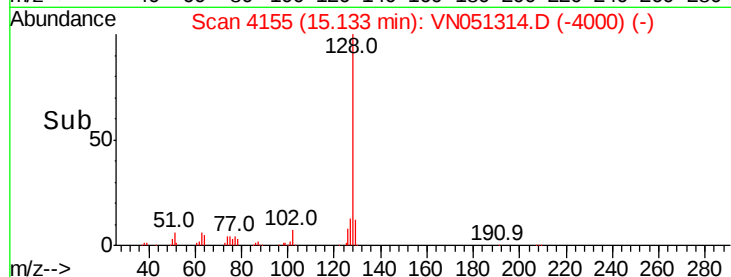
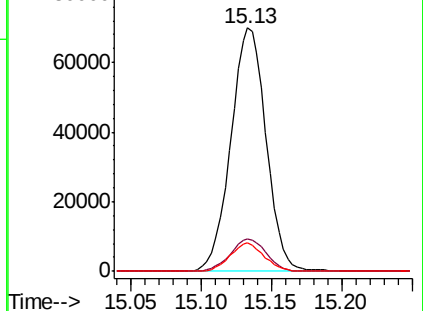
129 11.2 8.7 13.1



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: 15.402 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN051314.D

Acq: 19 Sep 2018 13:12

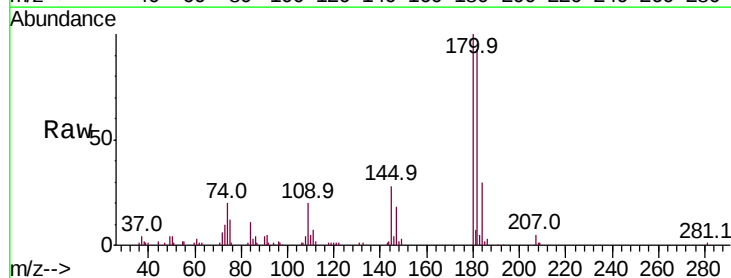
Tgt Ion:180 Resp: 80960

Ion Ratio Lower Upper

180 100

182 94.9 0.0 192.8

145 28.7 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

