

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091918\
 Data File : VN051309.D
 Acq On : 19 Sep 2018 10:29
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 19 15:34:45 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	7.19	128	102689	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	551770	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	477043	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	183193	27.96	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	93.20%
60) 4-Bromofluorobenzene	12.40	95	206496	29.11	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.03%
63) Toluene-d8	10.09	98	681488	30.63	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.10%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	114509	17.956	ug/l 100
3) Chloromethane	2.06	50	148731	19.751	ug/l 99
4) Vinyl Chloride	2.18	62	148946	20.018	ug/l 99
5) Bromomethane	2.57	94	85354	18.820	ug/l 100
6) Chloroethane	2.71	64	89111	20.305	ug/l 95
7) Trichlorofluoromethane	3.02	101	208244	21.112	ug/l 97
8) Diethyl Ether	3.41	74	64610	18.578	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	130994	21.445	ug/l 96
10) 1,1-Dichloroethene	3.74	96	112310	20.241	ug/l 98
11) Methyl Iodide	3.95	142	112103	21.654	ug/l 99
12) Methyl Acetate	4.33	43	87640	13.659	ug/l 97
13) Acrolein	3.61	56	31216	219.715	ug/l 96
14) Acrylonitrile	4.99	53	177302	81.730	ug/l 97
15) Acetone	3.82	58	54029	97.329	ug/l 94
16) Carbon Disulfide	4.05	76	343537	20.591	ug/l 99
17) Allyl chloride	4.32	41	164351	18.825	ug/l 95
18) Methylene Chloride	4.55	84	134199	20.605	ug/l 98
19) trans-1,2-Dichloroethene	5.04	96	123256	20.849	ug/l 99
20) Diisopropyl ether	5.95	45	355531	19.618	ug/l 98
21) 1,1-Dichloroethane	5.85	63	225805	20.322	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	137497	20.589	ug/l 99
23) tert-Butyl Alcohol	4.79	59	32419	70.269	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	280797	18.502	ug/l 100
25) Chloroform	7.37	83	231901	20.910	ug/l 99
26) Cyclohexane	7.65	56	184795	20.073	ug/l # 99
29) 1,1-Dichloropropene	7.79	75	173781	21.037	ug/l 99
30) 2-Butanone	6.84	43	196478	77.317	ug/l # 96
31) 2,2-Dichloropropane	6.82	77	185142	23.034	ug/l 99
32) 1,1,1-Trichloroethane	7.57	97	198671	21.209	ug/l 98
33) Carbon Tetrachloride	7.77	117	181865	21.559	ug/l 95
34) Benzene	8.04	78	521701	20.415	ug/l 96
35) Methacrylonitrile	7.18	41	43697	15.695	ug/l 95
36) 1,2-Dichloroethane	8.13	62	153927	19.917	ug/l 99
37) Trichloroethene	8.83	130	144219	21.592	ug/l 97
38) Methylcyclohexane	9.08	83	188743	21.274	ug/l 98
39) 1,2-Dichloropropane	9.12	63	136398	20.437	ug/l 98
40) Dibromomethane	9.21	93	80606	20.049	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	174414	20.580	ug/l	99
42) Vinyl Acetate	5.90	43	1070921	91.493	ug/l	98
43) Ethyl Acetate	6.93	43	79216	15.217	ug/l #	84
44) Isopropyl Acetate	8.16	43	162718	17.714	ug/l	100
45) 1,4-Dioxane	9.20	88	21605	316.613	ug/l	96
46) Methyl methacrylate	9.20	41	70635	15.353	ug/l	97
47) n-amyl Acetate	12.07	43	105870	14.335	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	161668	19.460	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	193857	20.314	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	115687	19.804	ug/l	97
51) Ethyl methacrylate	10.43	69	124298	17.391	ug/l	97
52) 1,3-Dichloropropane	10.71	76	185223	19.142	ug/l	98
53) Dibromochloromethane	10.90	129	135492	20.398	ug/l	99
54) 1,2-Dibromoethane	11.01	107	109087	18.886	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	231831	77.956	ug/l	99
56) Bromoform	12.13	173	90525	19.162	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	415643	76.151	ug/l	98
59) 2-Hexanone	10.75	43	262838	73.672	ug/l	98
61) Tetrachloroethene	10.63	164	135507	22.795	ug/l	98
62) Toluene	10.16	91	574958	21.604	ug/l	99
64) Chlorobenzene	11.43	112	356981	21.643	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	139263	22.362	ug/l	99
66) Ethyl Benzene	11.51	91	579074	21.006	ug/l	100
67) m/p-Xylenes	11.62	106	467726	44.097	ug/l	98
68) o-Xylene	11.95	106	220339	21.741	ug/l	98
69) Styrene	11.96	104	343942	21.345	ug/l	99
70) Isopropylbenzene	12.25	105	583480	21.666	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.50	83	131219	17.996	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	152026	24.167	ug/l	91
73) Bromobenzene	12.53	156	148809	21.002	ug/l	93
74) n-propylbenzene	12.59	91	639727	21.011	ug/l	98
75) 2-Chlorotoluene	12.67	91	394885	21.349	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	487028	22.130	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	29266	16.330	ug/l	96
78) 4-Chlorotoluene	12.77	91	376226	20.657	ug/l	98
79) tert-butylbenzene	12.99	119	415770	21.753	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	478856	21.824	ug/l	99
81) sec-Butylbenzene	13.17	105	539926	21.591	ug/l	99
82) p-Isopropyltoluene	13.29	119	467345	21.651	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	244543	20.413	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	230470	20.305	ug/l	100
85) n-Butylbenzene	13.62	91	321024	19.491	ug/l	99
86) Hexachloroethane	13.87	117	91053	21.977	ug/l	94
87) 1,2-Dichlorobenzene	13.65	146	239422	20.305	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	16705	16.376	ug/l	96
89) 1,2,4-Trichlorobenzene	14.91	180	79389	15.124	ug/l	99
90) Hexachlorobutadiene	15.01	225	88277	24.752	ug/l	98
91) Naphthalene	15.13	128	127357	16.339	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	85450	16.222	ug/l	98

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QLast Update : Wed Aug 29 01:38:44 2018
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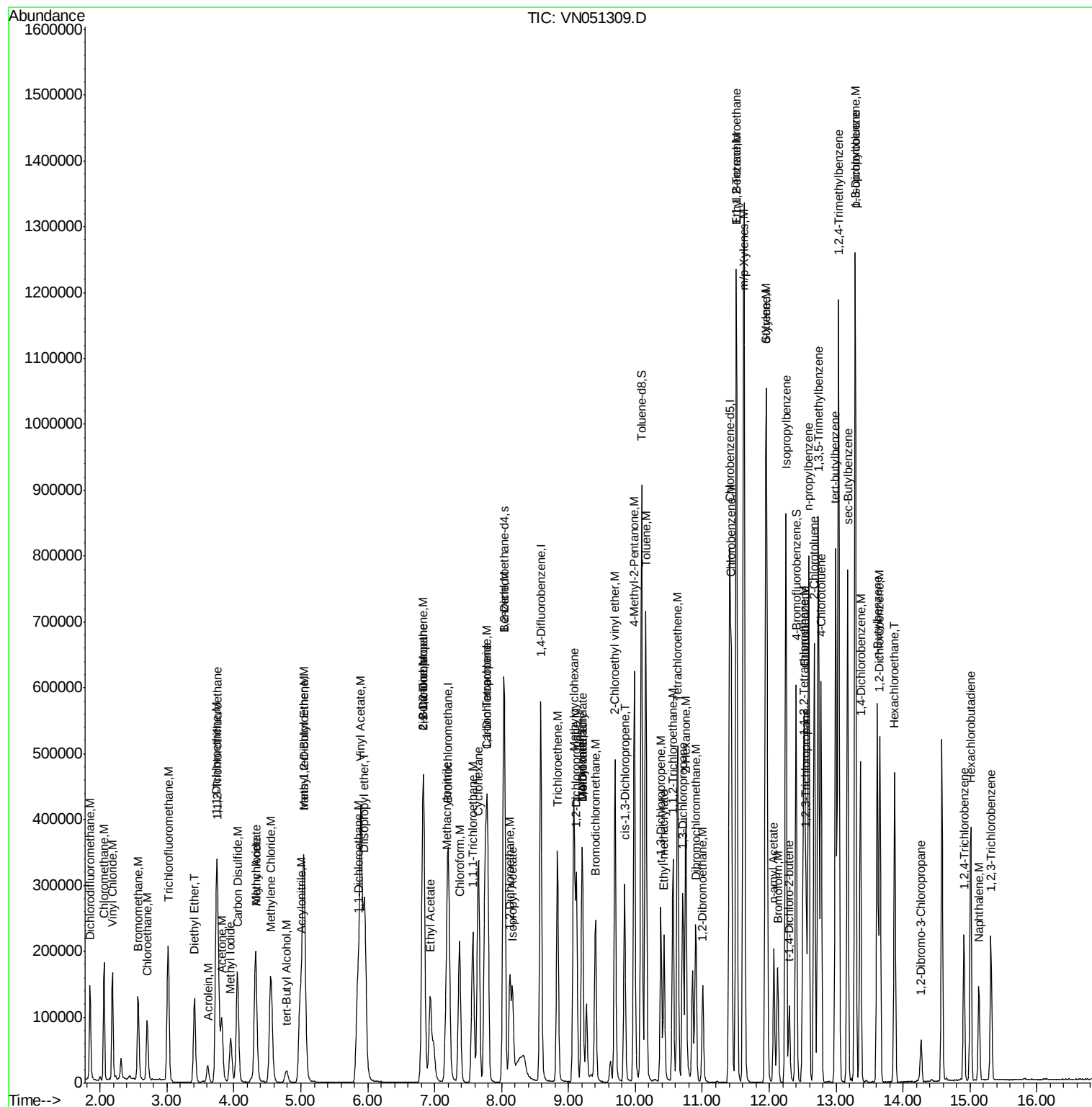
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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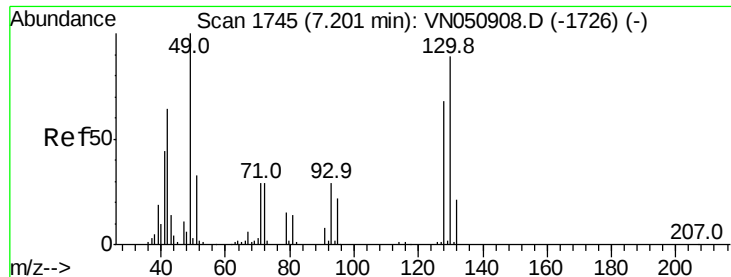
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 19 15:34:45 2018
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.01 min

Lab File: VN051309.D

Acq: 19 Sep 2018 10:29

Instrument :
MSVOA_N
ClientSampleId :

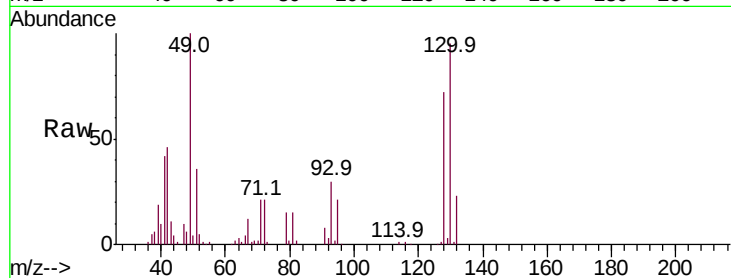
Tot Ion:128 Resp: 102689

Ion Ratio Lower Upper

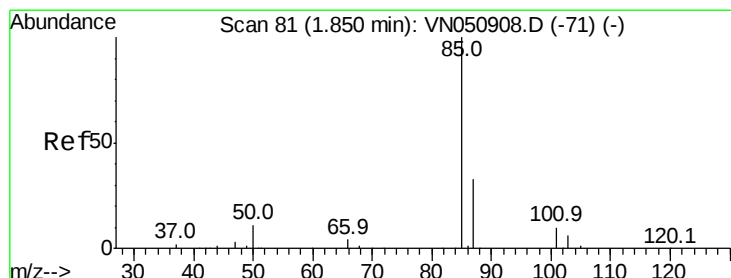
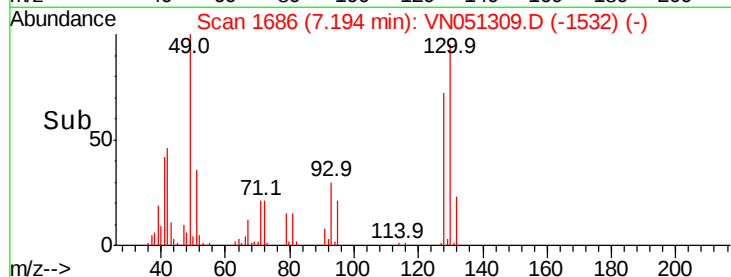
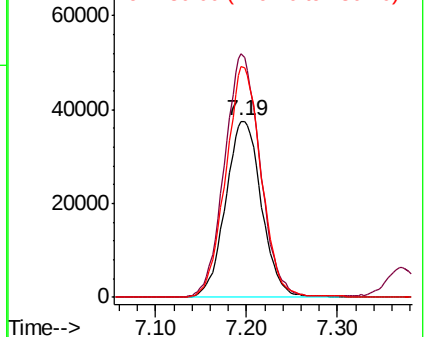
128 100

49 137.3 0.0 380.3

130 128.7 0.0 325.3



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



#2

Dichlorodifluoromethane

Concen: 17.956 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051309.D

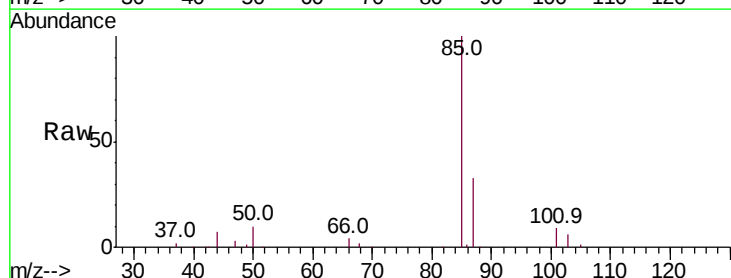
Acq: 19 Sep 2018 10:29

Tgt Ion: 85 Resp: 114509

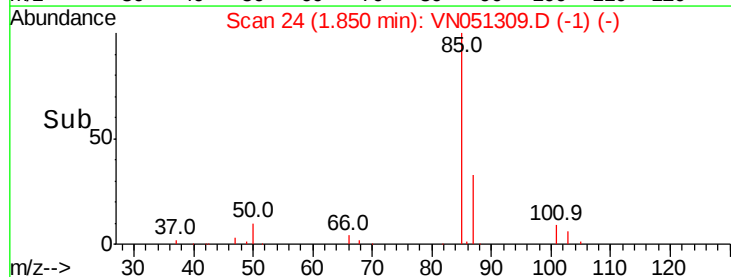
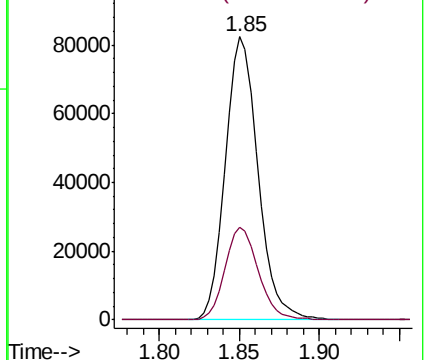
Ion Ratio Lower Upper

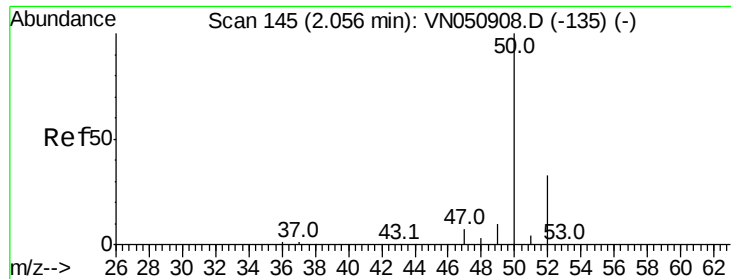
85 100

87 32.9 16.4 49.1



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





#3

Chloromethane

Concen: 19.751 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051309.D

Acq: 19 Sep 2018 10:29

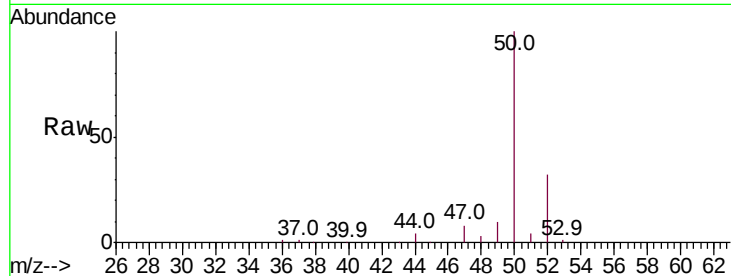
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 50 Resp: 148731

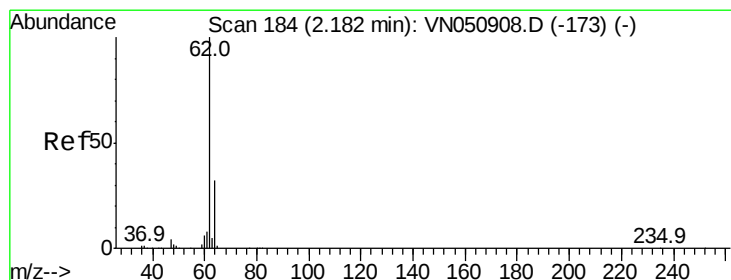
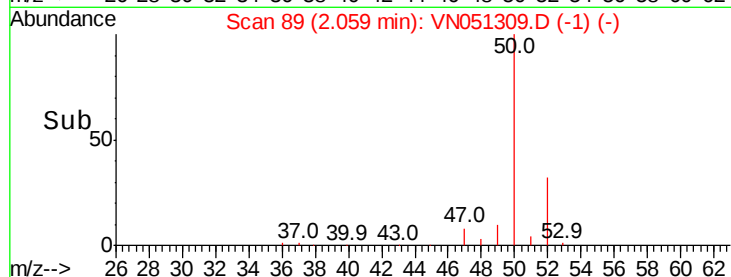
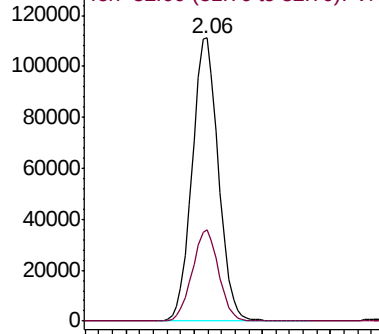
Ion Ratio Lower Upper

50 100

52 32.3 26.2 39.4



Abundance Ion 50.00 (49.70 to 50.70): VNC
Ion 52.00 (51.70 to 52.70): VNC



#4

Vinyl Chloride

Concen: 20.018 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN051309.D

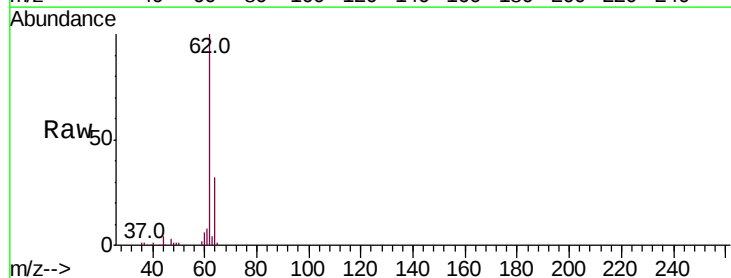
Acq: 19 Sep 2018 10:29

Tgt Ion: 62 Resp: 148946

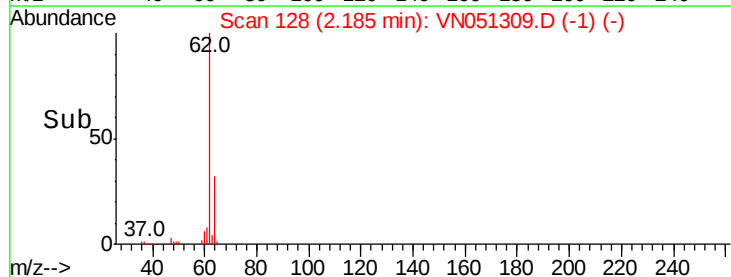
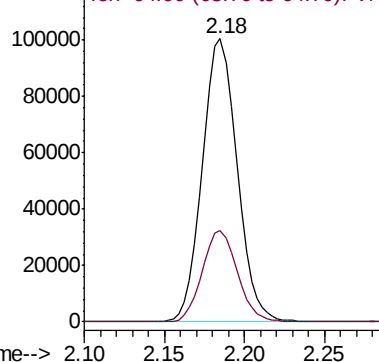
Ion Ratio Lower Upper

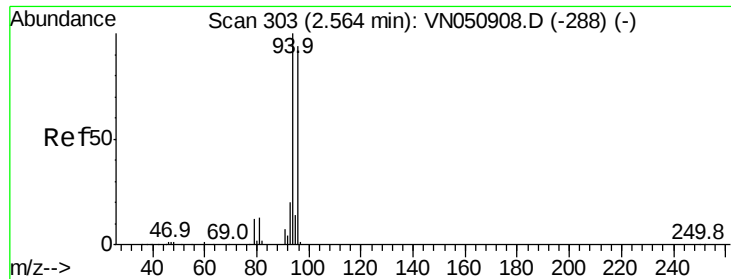
62 100

64 32.3 25.4 38.0



Abundance Ion 62.00 (61.70 to 62.70): VNC
Ion 64.00 (63.70 to 64.70): VNC





#5

Bromomethane

Concen: 18.820 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN051309.D

Acq: 19 Sep 2018 10:29

Instrument :

MSVOA_N

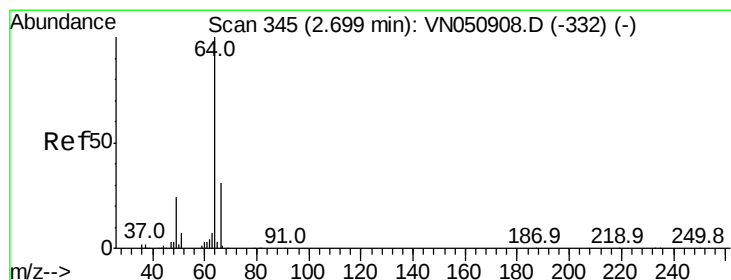
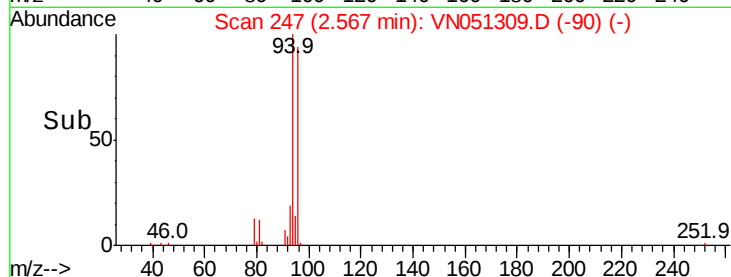
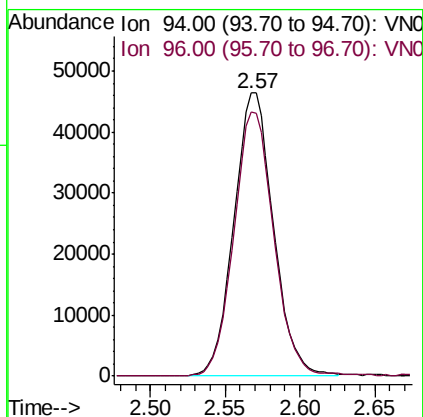
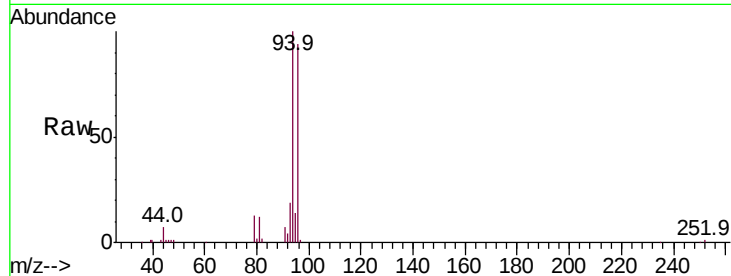
ClientSampled :

Tot Ion: 94 Resp: 85354

Ion Ratio Lower Upper

94 100

96 93.2 74.9 112.3



#6

Chloroethane

Concen: 20.305 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.01 min

Lab File: VN051309.D

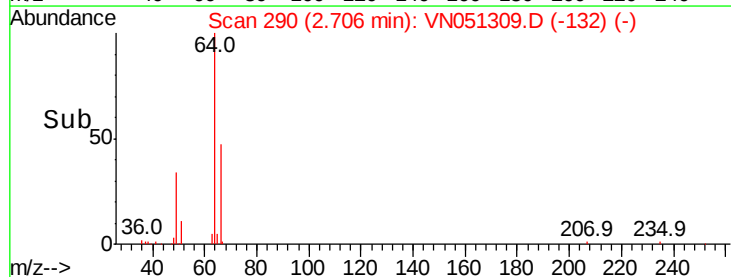
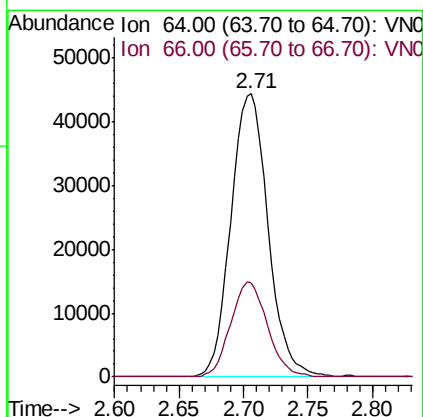
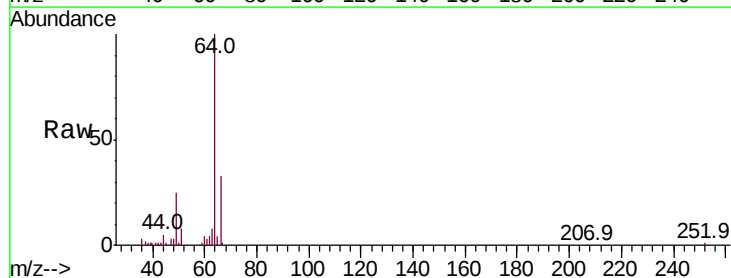
Acq: 19 Sep 2018 10:29

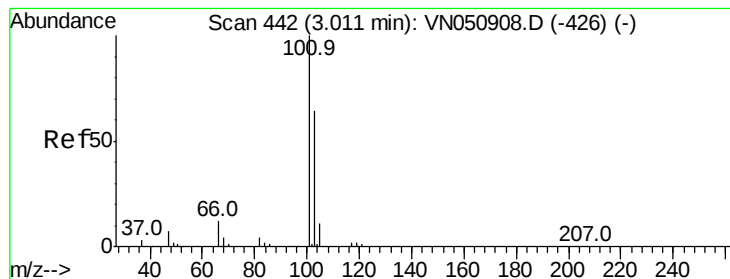
Tgt Ion: 64 Resp: 89111

Ion Ratio Lower Upper

64 100

66 33.3 24.5 36.7



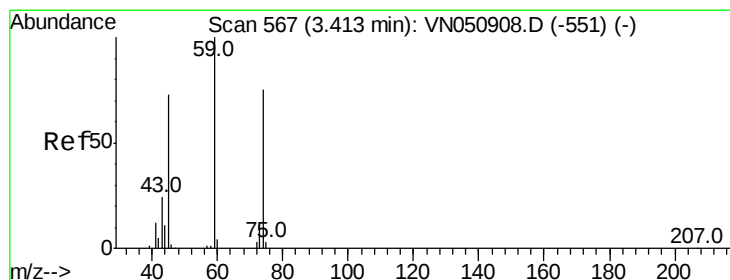
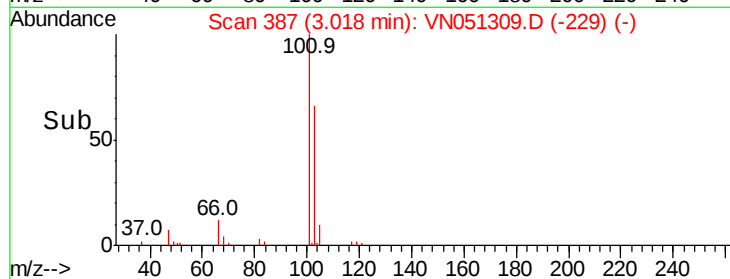
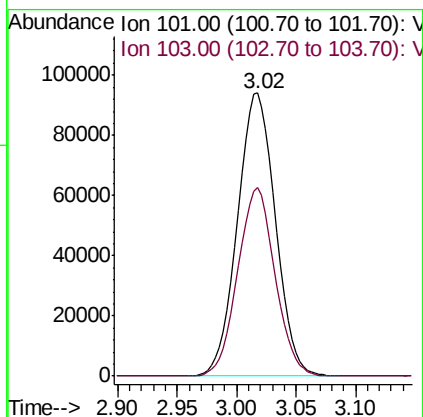
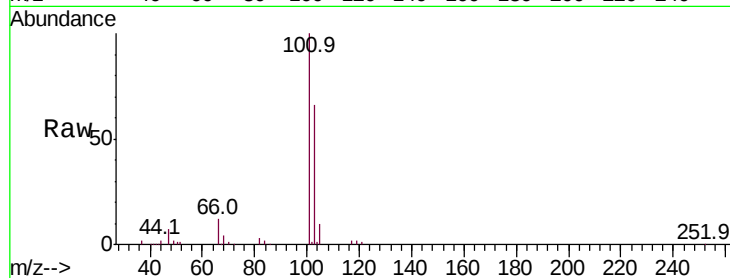


#7

Trichlorofluoromethane
 Concen: 21.112 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.01 min
 Lab File: VN051309.D
 Acq: 19 Sep 2018 10:29

Instrument :
 MSVOA_N
 ClientSampled :

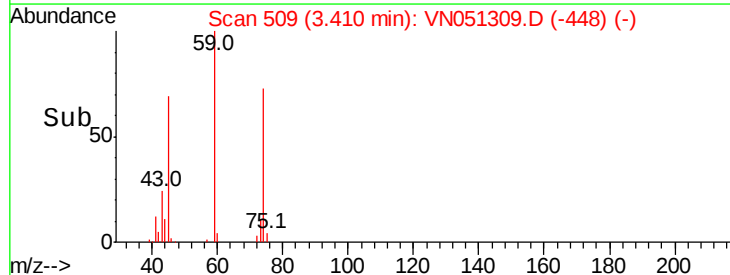
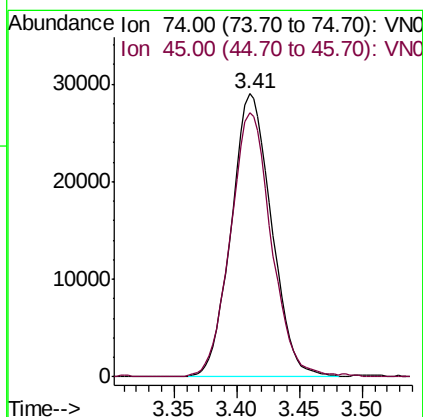
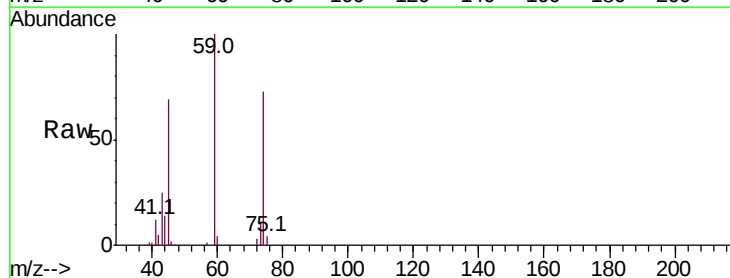
Tot Ion:101 Resp: 208244
 Ion Ratio Lower Upper
 101 100
 103 66.4 51.3 76.9

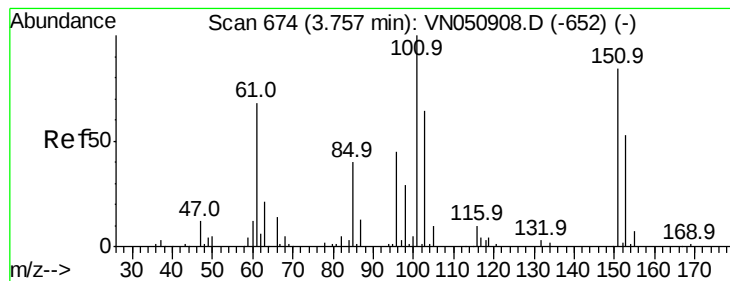


#8

Diethyl Ether
 Concen: 18.578 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN051309.D
 Acq: 19 Sep 2018 10:29

Tgt Ion: 74 Resp: 64610
 Ion Ratio Lower Upper
 74 100
 45 94.9 19.7 177.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.445 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN051309.D

Acq: 19 Sep 2018 10:29

Instrument :

MSVOA_N

ClientSampled :

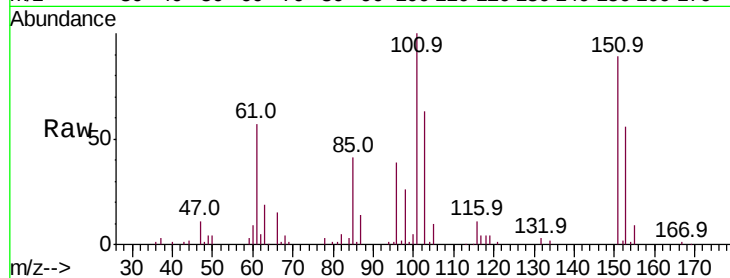
Tot Ion:101 Resp: 130994

Ion Ratio Lower Upper

101 100

85 41.5 0.0 83.6

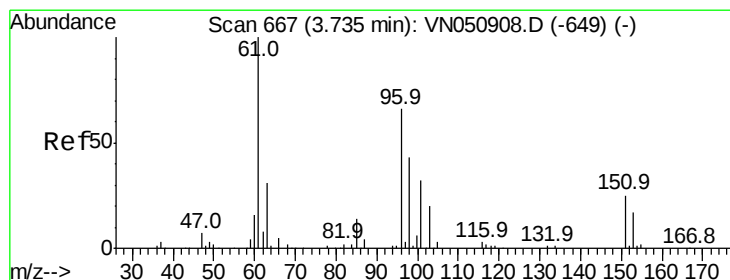
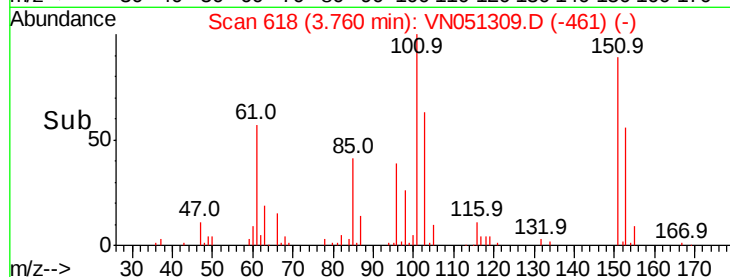
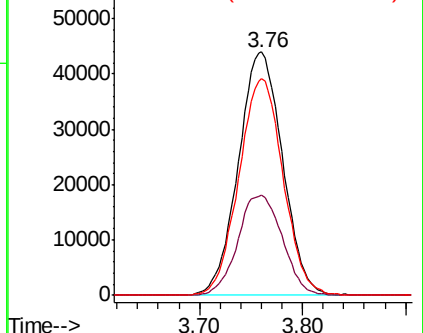
151 89.0 0.0 167.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VNO

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 20.241 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN051309.D

Acq: 19 Sep 2018 10:29

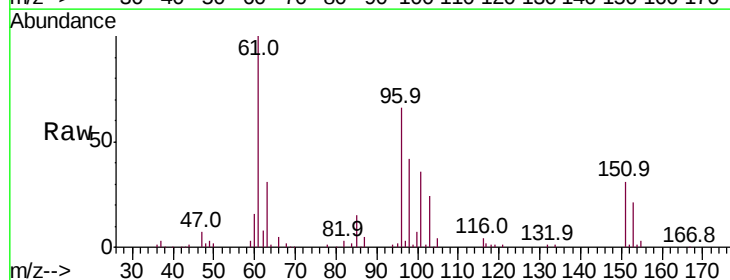
Tgt Ion: 96 Resp: 112310

Ion Ratio Lower Upper

96 100

61 151.0 121.8 182.8

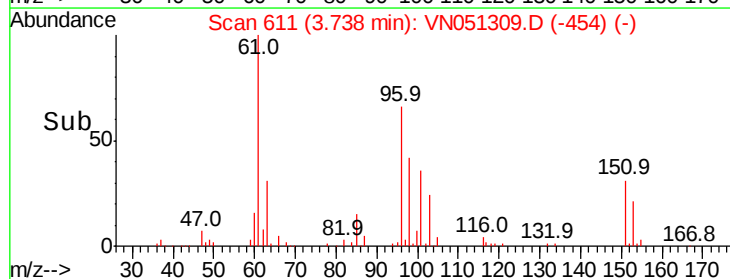
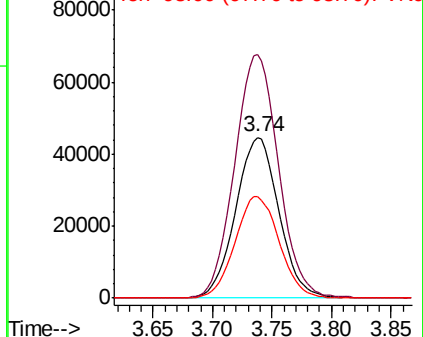
98 62.9 52.3 78.5

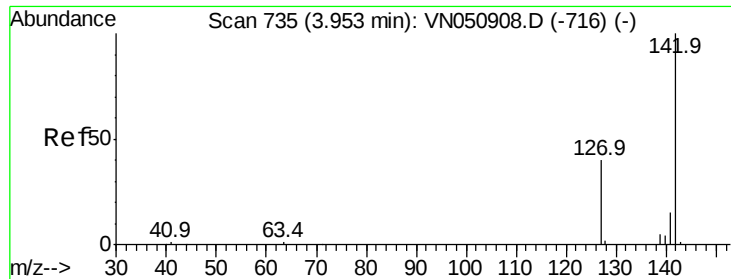


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

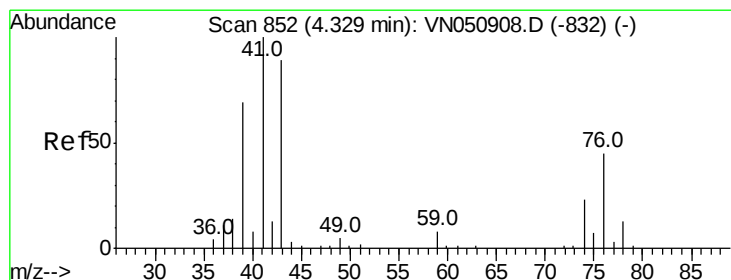
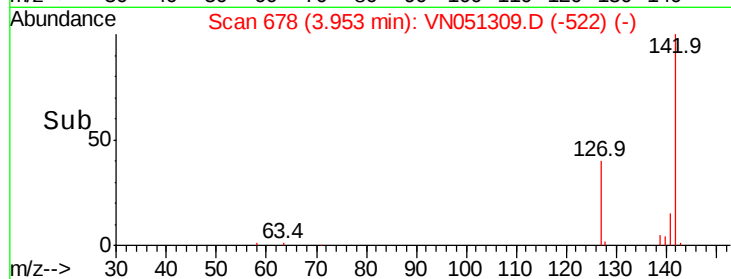
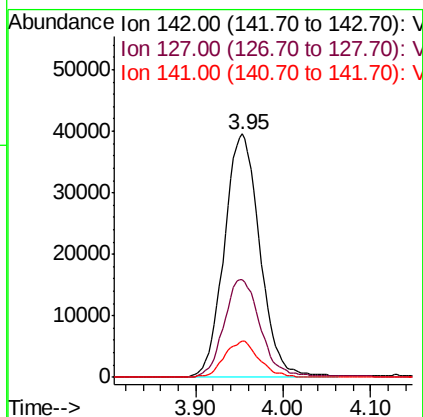
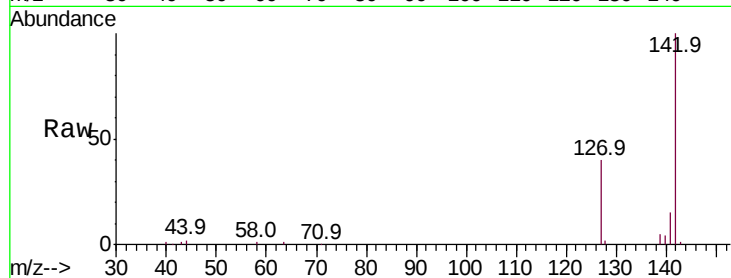




#11
Methyl Iodide
Concen: 21.654 ug/l
RT: 3.95 min Scan# 678
Delta R.T. -0.00 min
Lab File: VN051309.D
Acq: 19 Sep 2018 10:29

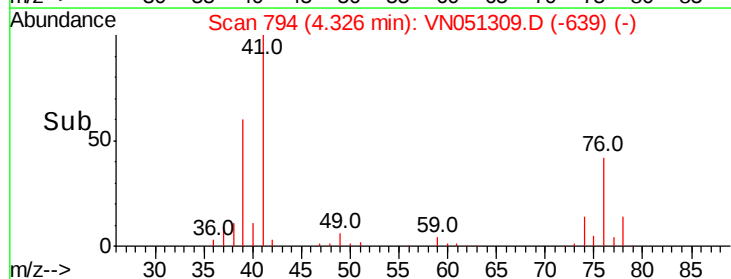
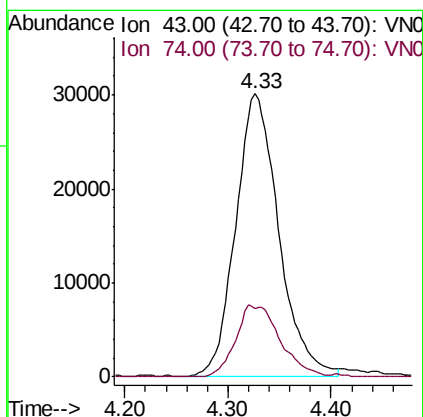
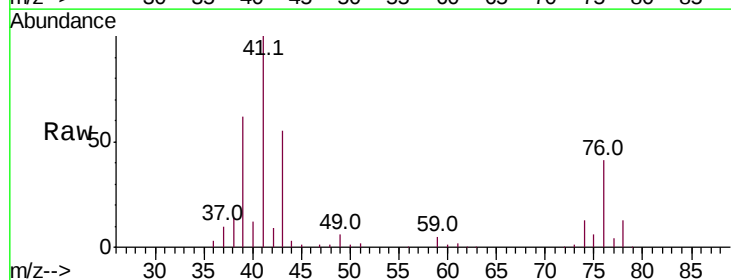
Instrument :
MSVOA_N
ClientSampleId :

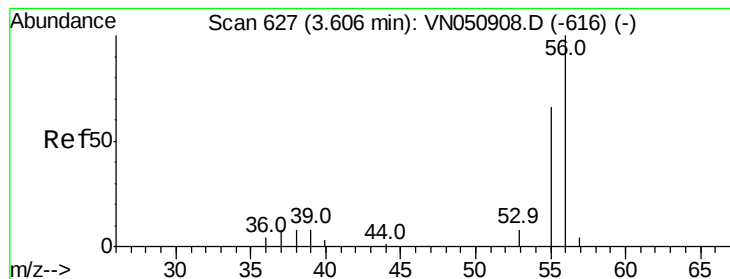
Tot Ion:142 Resp: 112103
Ion Ratio Lower Upper
142 100
127 39.8 19.7 59.1
141 14.8 7.3 22.0



#12
Methyl Acetate
Concen: 13.659 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN051309.D
Acq: 19 Sep 2018 10:29

Tgt Ion: 43 Resp: 87640
Ion Ratio Lower Upper
43 100
74 24.2 20.6 31.0





#13

Acrolein

Concen: 219.715 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN051309.D

Acq: 19 Sep 2018 10:29

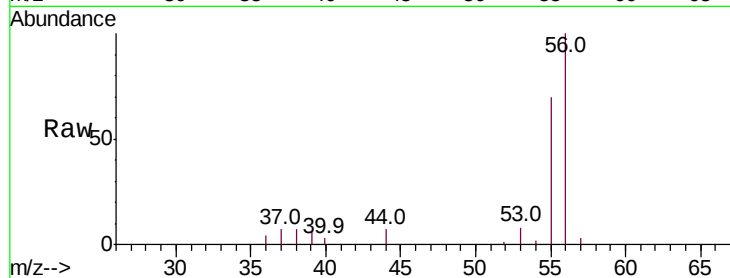
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 31216

Ion Ratio Lower Upper

56 100

55 70.3 59.1 88.7



Abundance Ion 56.00 (55.70 to 56.70): VN051309.D (-414) (-)

Ion 55.00 (54.70 to 55.70): VN051309.D (-414) (-)

3.61

15000

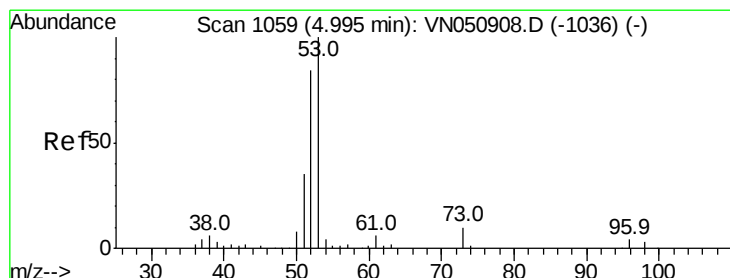
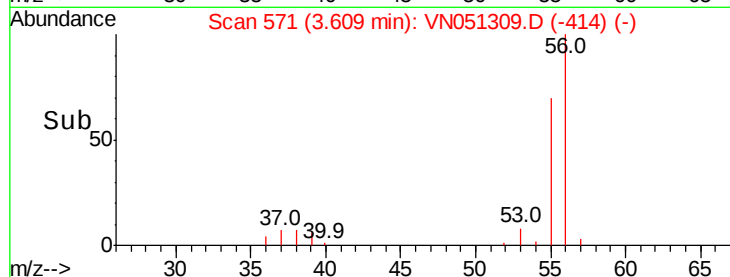
10000

5000

0

Time-->

3.50 3.55 3.60 3.65 3.70



#14

Acrylonitrile

Concen: 81.730 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN051309.D

Acq: 19 Sep 2018 10:29

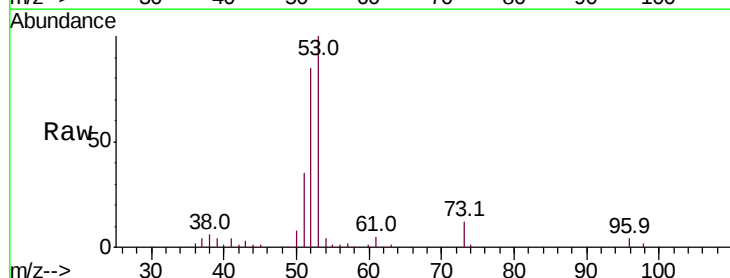
Tgt Ion: 53 Resp: 177302

Ion Ratio Lower Upper

53 100

52 80.5 42.2 126.6

51 35.4 17.7 53.1



Abundance Ion 53.00 (52.70 to 53.70): VN051309.D (-846) (-)

Ion 52.00 (51.70 to 52.70): VN051309.D (-846) (-)

Ion 51.00 (50.70 to 51.70): VN051309.D (-846) (-)

4.99

60000

50000

40000

30000

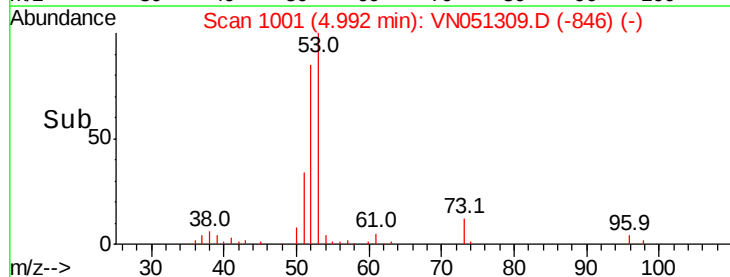
20000

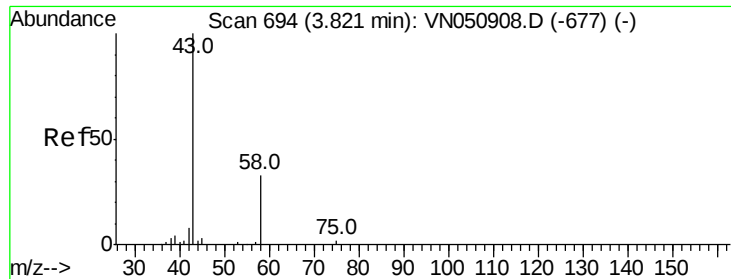
10000

0

Time-->

4.90 5.00 5.10





#15

Acetone

Concen: 97.329 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN051309.D

Acq: 19 Sep 2018 10:29

Instrument :

MSVOA_N

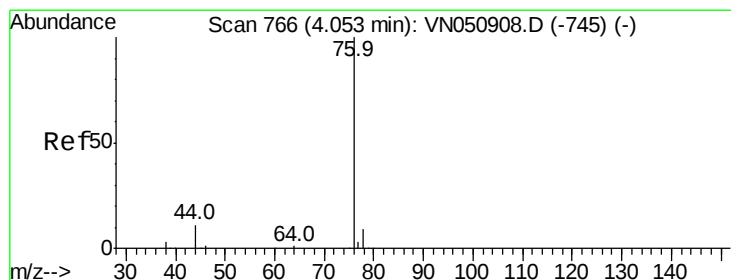
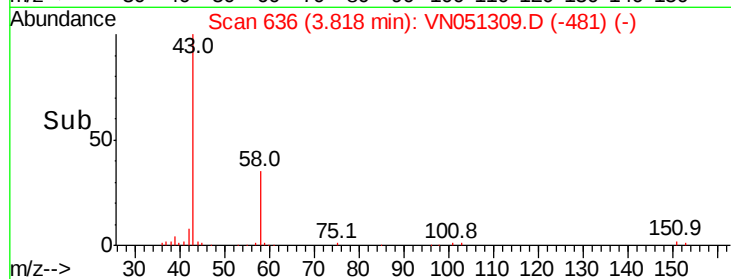
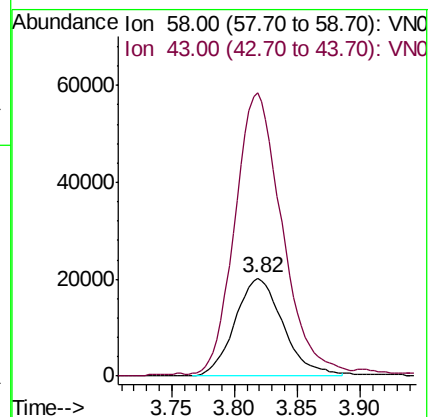
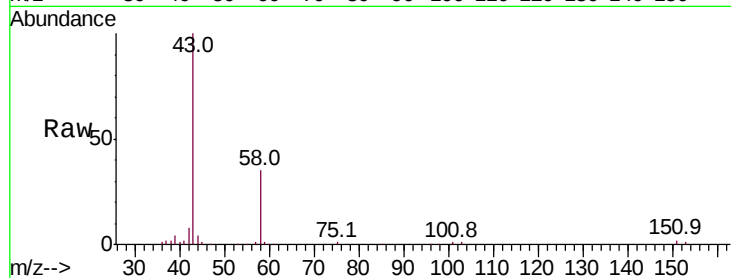
ClientSampleId :

Tot Ion: 58 Resp: 54029

Ion Ratio Lower Upper

58 100

43 286.7 239.4 359.0



#16

Carbon Disulfide

Concen: 20.591 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.00 min

Lab File: VN051309.D

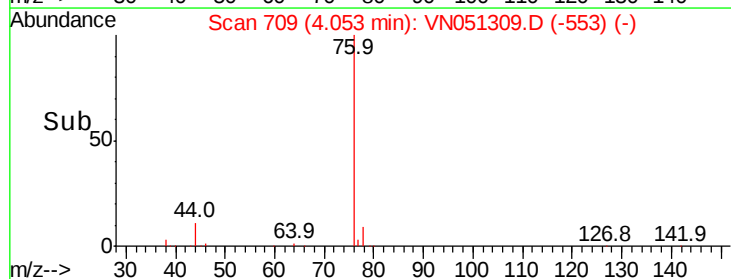
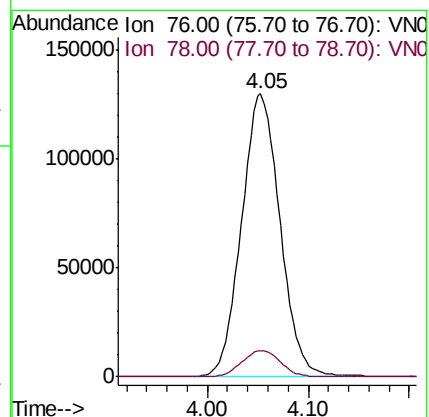
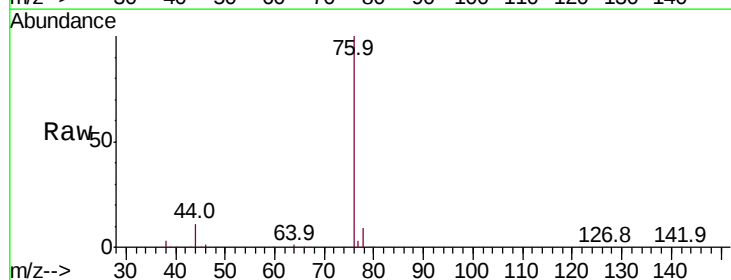
Acq: 19 Sep 2018 10:29

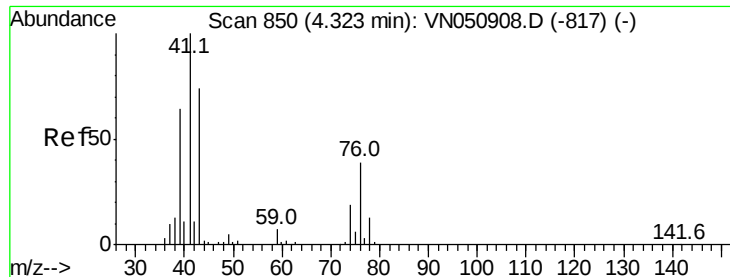
Tgt Ion: 76 Resp: 343537

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9

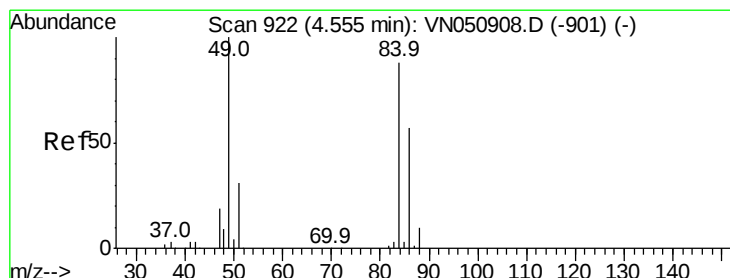
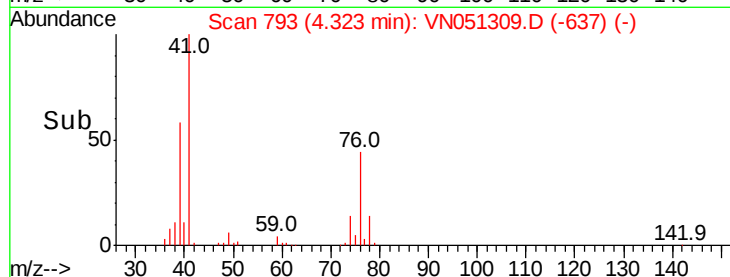
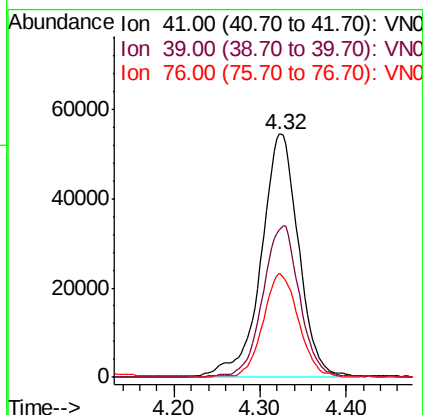
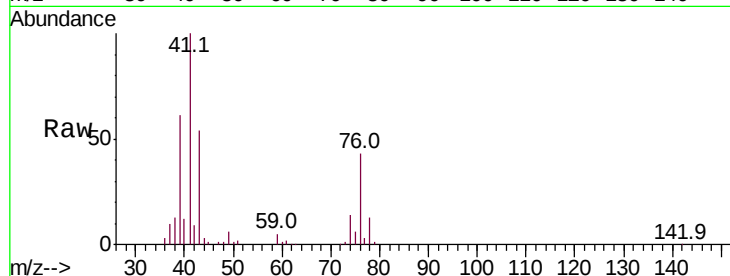




#17
Allvl chloride
Concen: 18.825 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN051309.D
Acq: 19 Sep 2018 10:29

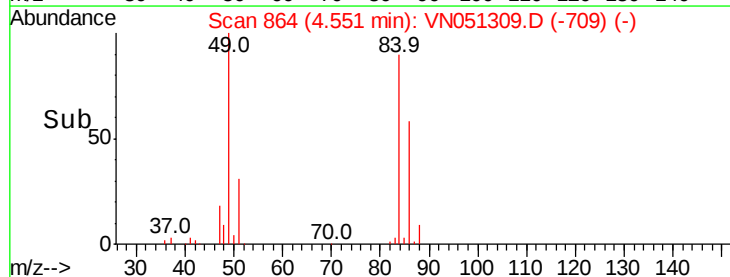
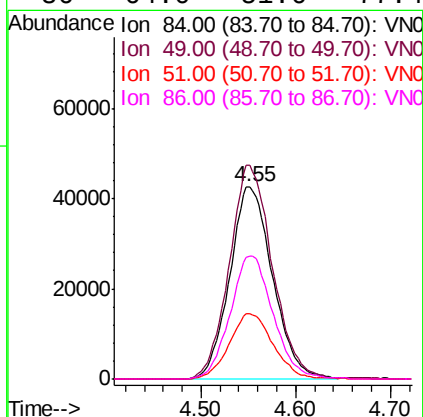
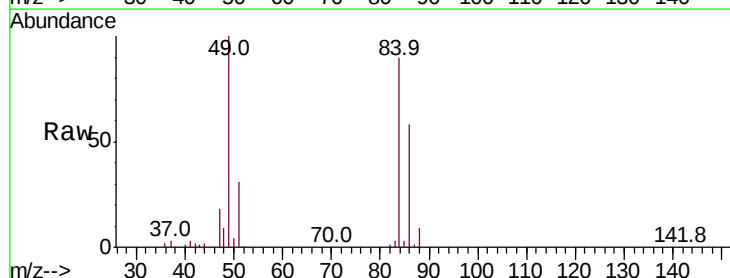
Instrument :
MSVOA_N
ClientSampled :

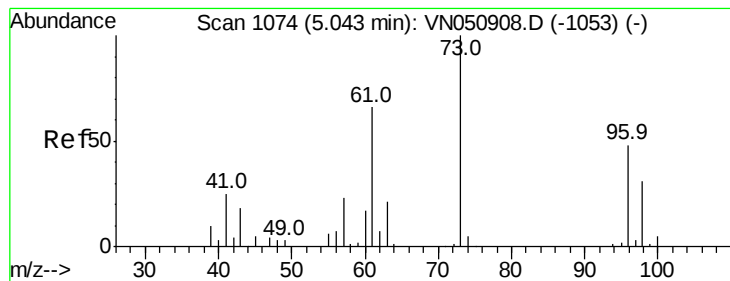
Tot Ion: 41 Resp: 164351
Ion Ratio Lower Upper
41 100
39 60.9 32.2 96.6
76 41.9 19.6 58.7



#18
Methylene Chloride
Concen: 20.605 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051309.D
Acq: 19 Sep 2018 10:29

Tgt Ion: 84 Resp: 134199
Ion Ratio Lower Upper
84 100
49 110.8 90.6 135.8
51 34.1 28.4 42.6
86 64.0 51.6 77.4





#19

trans-1,2-Dichloroethene

Concen: 20.849 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VN051309.D

Acq: 19 Sep 2018 10:29

Instrument :
MSVOA_N
ClientSampled :

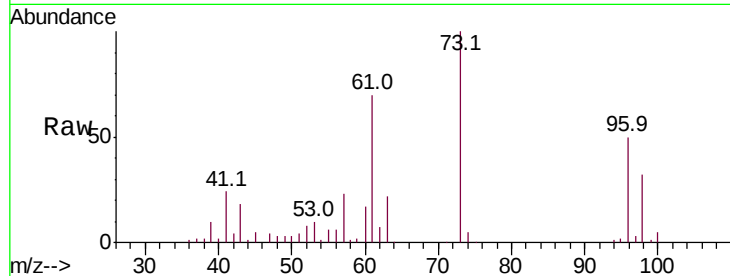
Tot Ion: 96 Resp: 123256

Ion Ratio Lower Upper

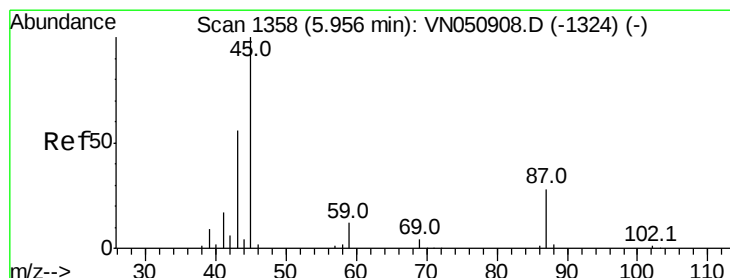
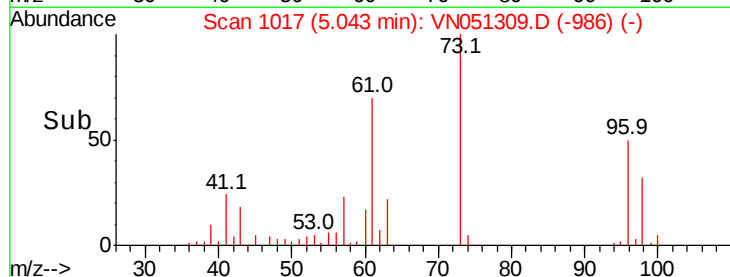
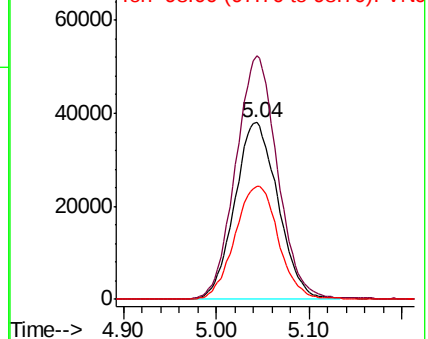
96 100

61 137.2 109.5 164.3

98 63.7 51.9 77.9



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



#20

Diisopropyl ether

Concen: 19.618 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. -0.00 min

Lab File: VN051309.D

Acq: 19 Sep 2018 10:29

Tgt Ion: 45 Resp: 355531

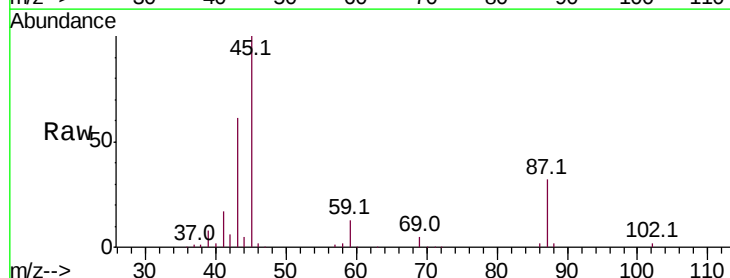
Ion Ratio Lower Upper

45 100

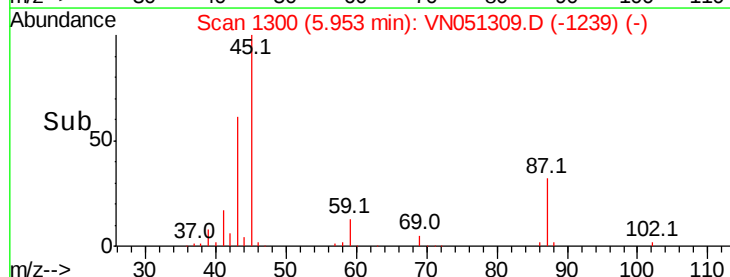
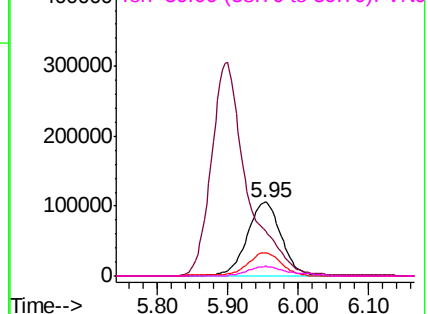
43 59.3 47.0 70.6

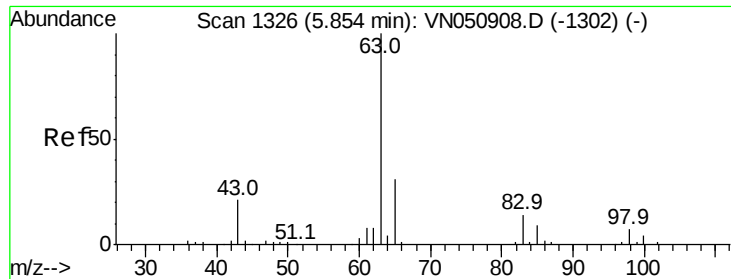
87 31.6 22.8 34.2

59 12.9 9.5 14.3



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

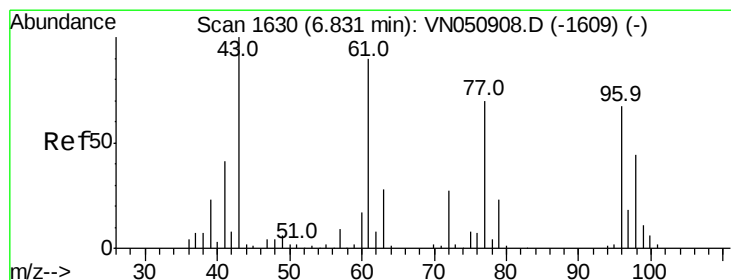
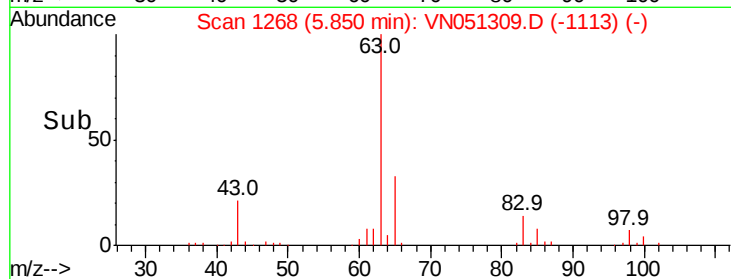
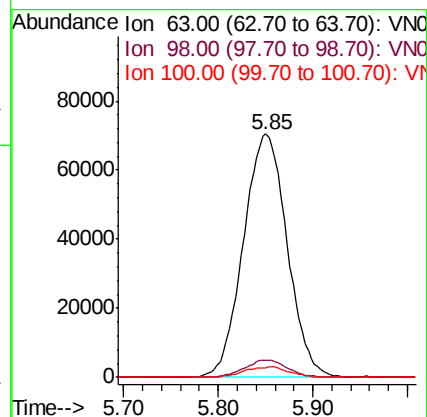
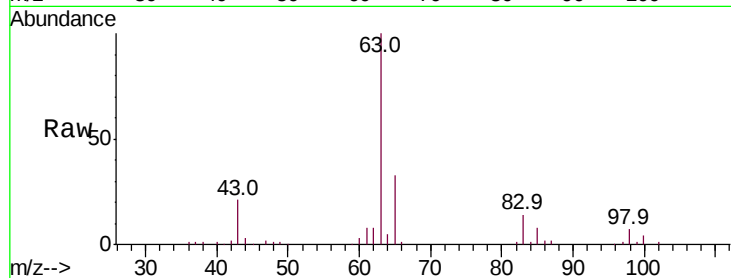




#21
 1,1-Dichloroethane
 Concen: 20.322 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN051309.D
 Acq: 19 Sep 2018 10:29

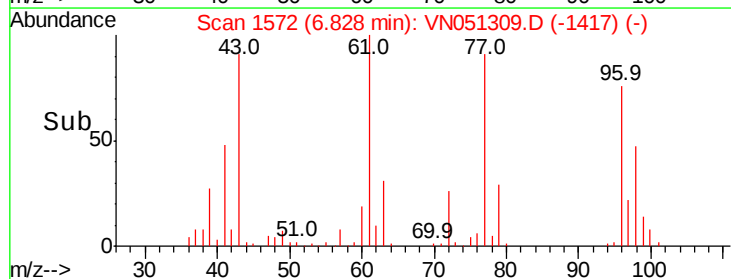
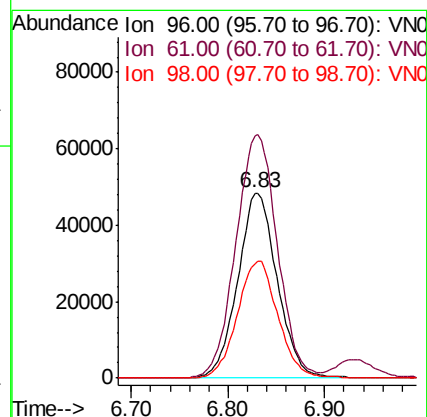
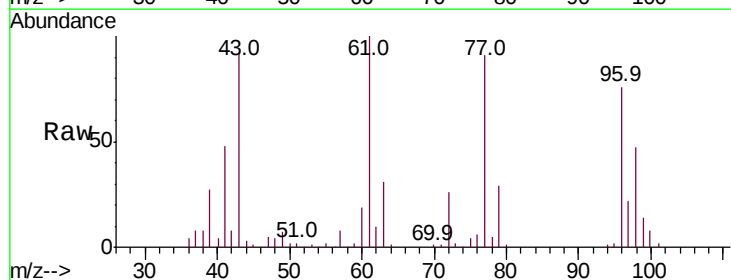
Instrument :
 MSVOA_N
 ClientSampleId :

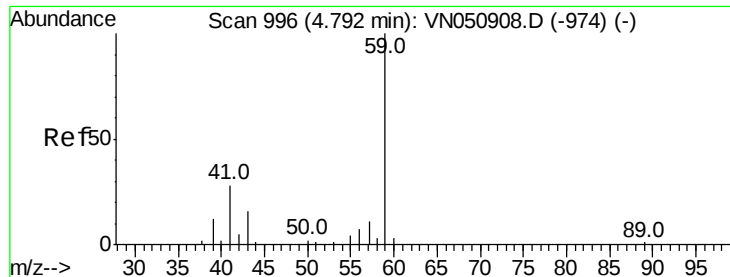
Tot Ion: 63 Resp: 225805
 Ion Ratio Lower Upper
 63 100
 98 7.2 3.3 9.9
 100 4.0 2.0 6.0



#22
 cis-1,2-Dichloroethene
 Concen: 20.589 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VN051309.D
 Acq: 19 Sep 2018 10:29

Tgt Ion: 96 Resp: 137497
 Ion Ratio Lower Upper
 96 100
 61 138.3 110.0 165.0
 98 64.5 51.7 77.5



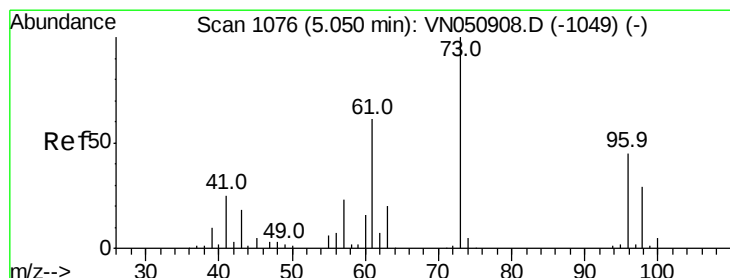
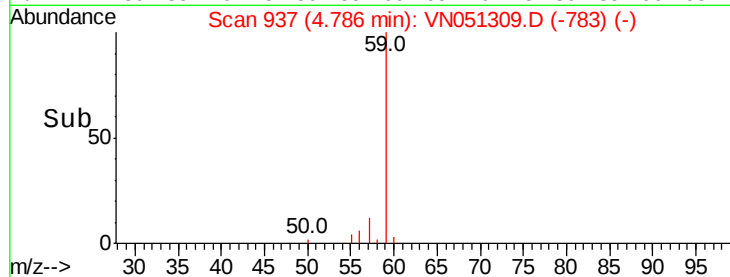
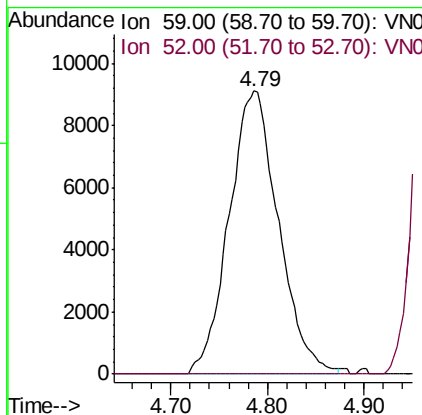
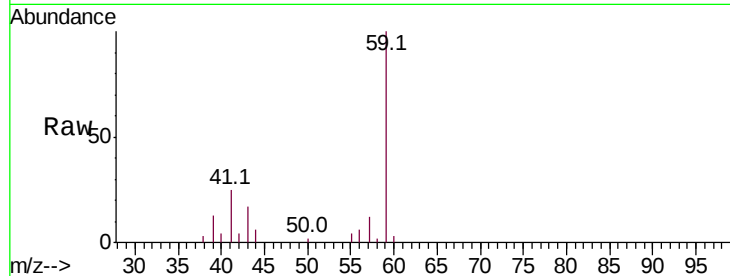


#23

tert-Butyl Alcohol
 Concen: 70.269 ug/l
 RT: 4.79 min Scan# 937
 Delta R.T. -0.01 min
 Lab File: VN051309.D
 Acq: 19 Sep 2018 10:29

Instrument :
 MSVOA_N
 ClientSampled :

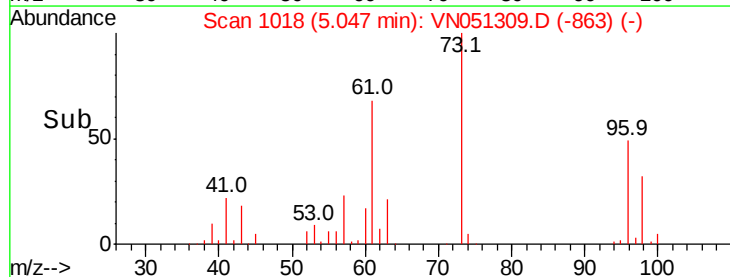
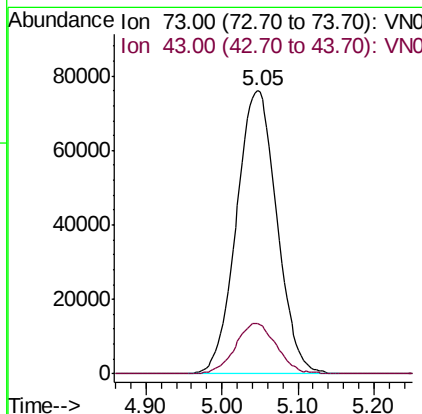
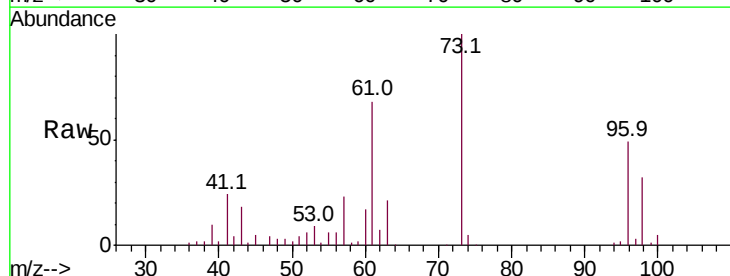
Tot Ion: 59 Resp: 32419
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.1 0.1#

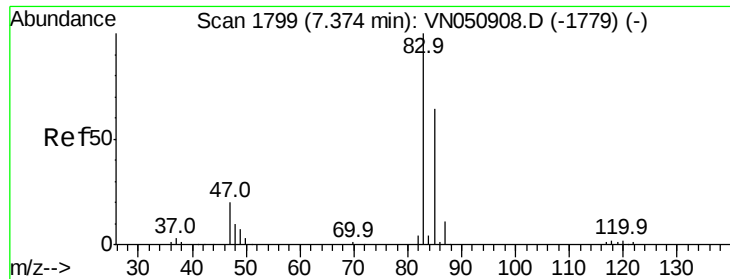


#24

Methyl tert-Butyl Ether
 Concen: 18.502 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. -0.00 min
 Lab File: VN051309.D
 Acq: 19 Sep 2018 10:29

Tgt Ion: 73 Resp: 280797
 Ion Ratio Lower Upper
 73 100
 43 18.0 14.4 21.6

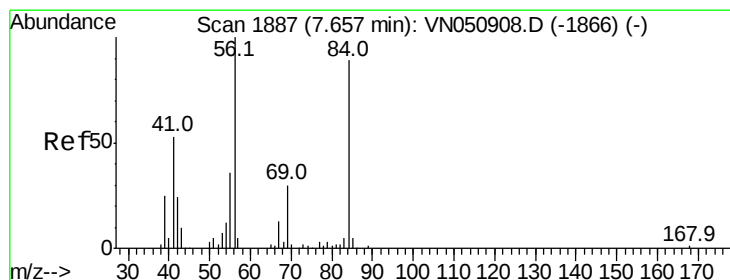
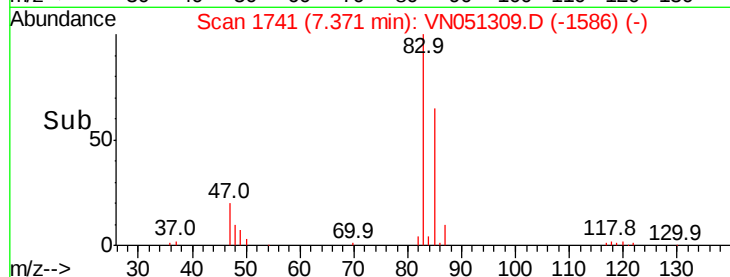
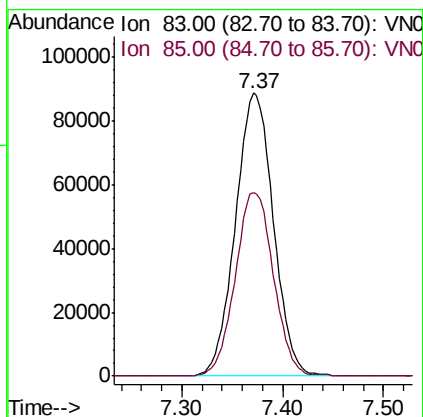
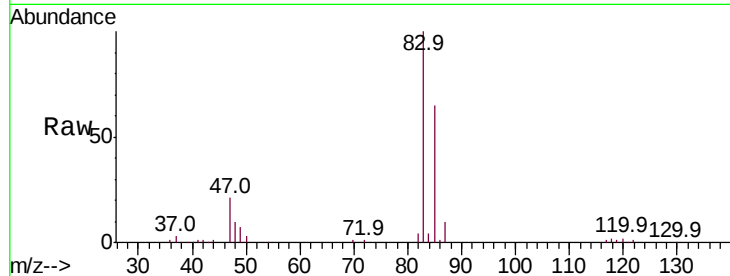




#25
Chloroform
Concen: 20.910 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN051309.D
Acq: 19 Sep 2018 10:29

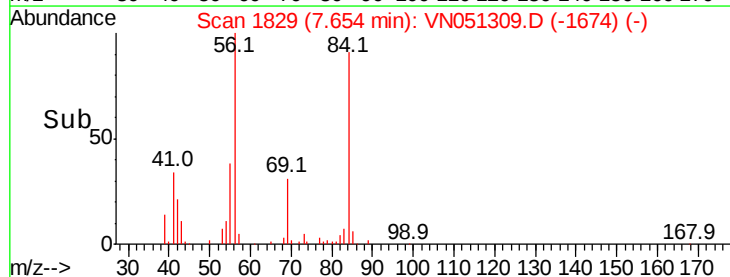
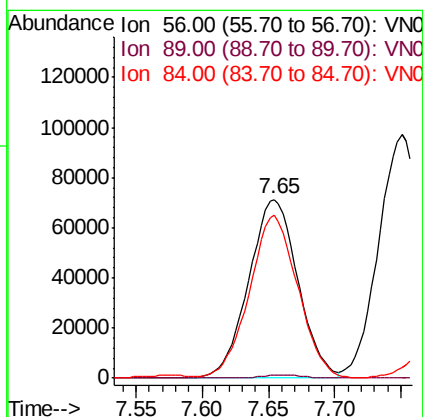
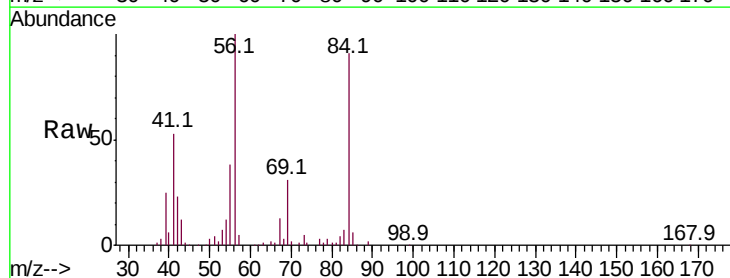
Instrument :
MSVOA_N
ClientSampled :

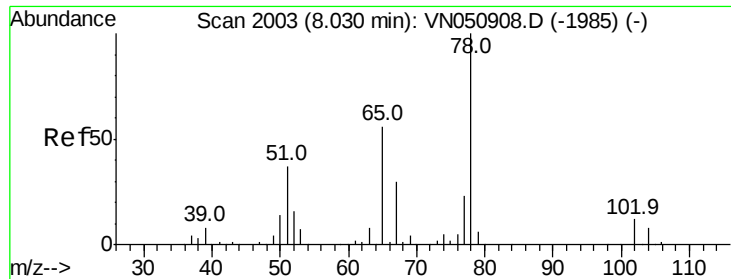
Tot Ion: 83 Resp: 231901
Ion Ratio Lower Upper
83 100
85 65.0 51.4 77.0



#26
Cyclohexane
Concen: 20.073 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN051309.D
Acq: 19 Sep 2018 10:29

Tgt Ion: 56 Resp: 184795
Ion Ratio Lower Upper
56 100
89 1.6 0.4 0.6#
84 88.8 70.4 105.6





#27

1,2-Dichloroethane-d4

Concen: 27.956 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN051309.D

Acq: 19 Sep 2018 10:29

Instrument :

MSVOA_N

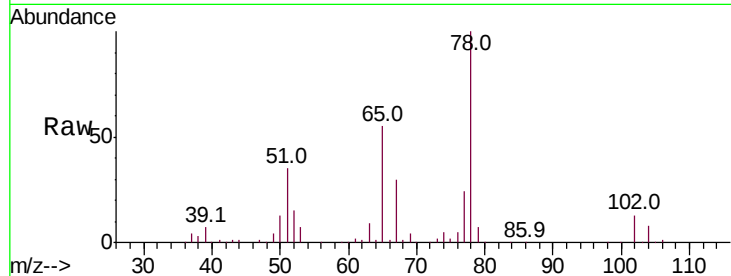
ClientSampleId :

Tot Ion: 65 Resp: 183193

Ion Ratio Lower Upper

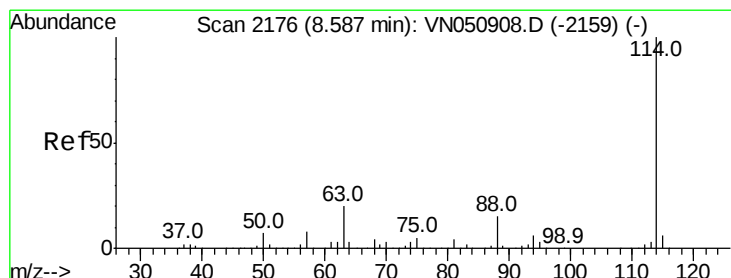
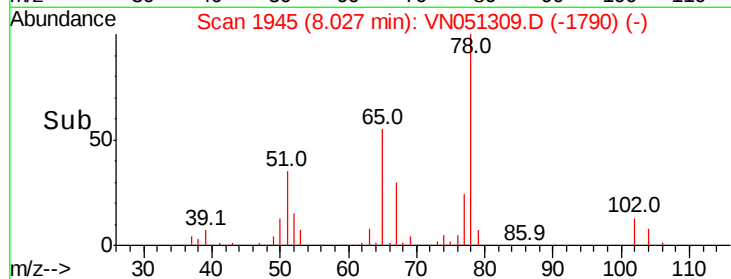
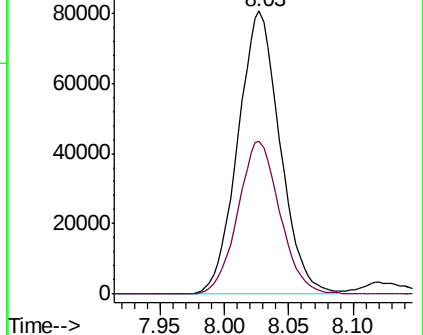
65 100

67 54.0 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) (-)



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN051309.D

Acq: 19 Sep 2018 10:29

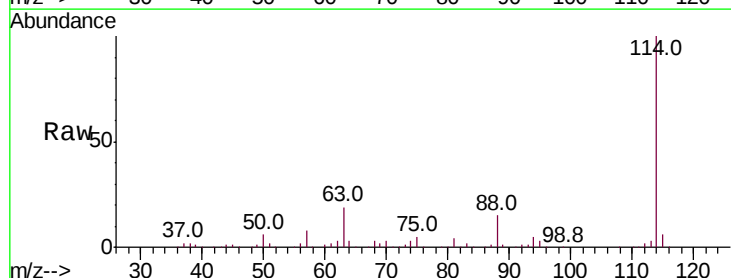
Tgt Ion: 114 Resp: 551770

Ion Ratio Lower Upper

114 100

63 18.6 15.6 23.4

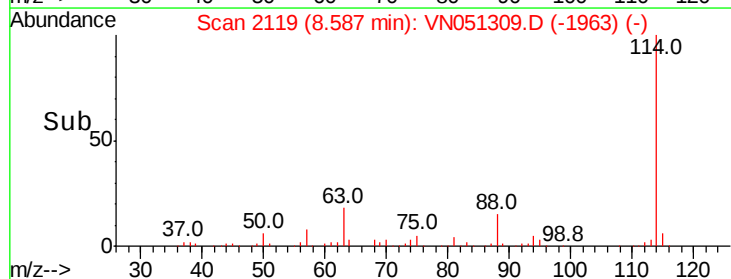
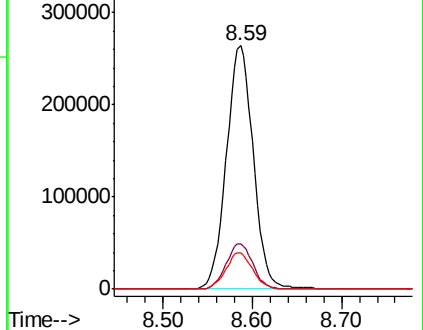
88 14.8 12.2 18.4

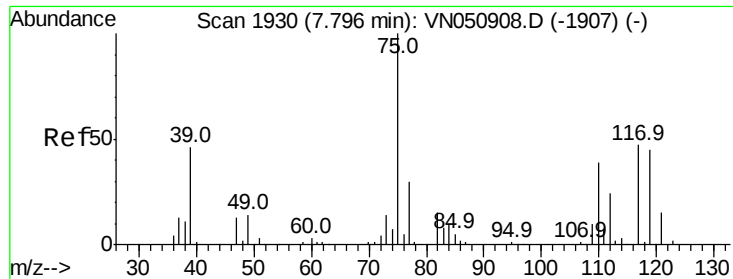


Abundance Ion 114.00 (113.70 to 114.70): VN050908.D (-2159) (-)

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

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

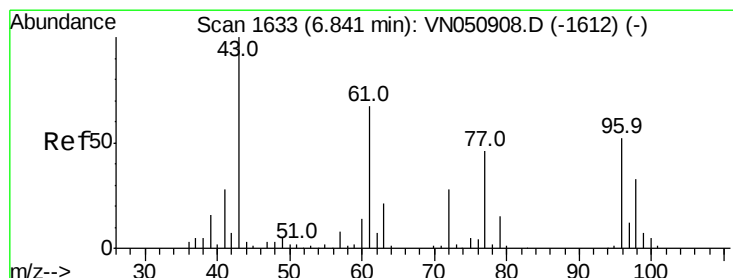
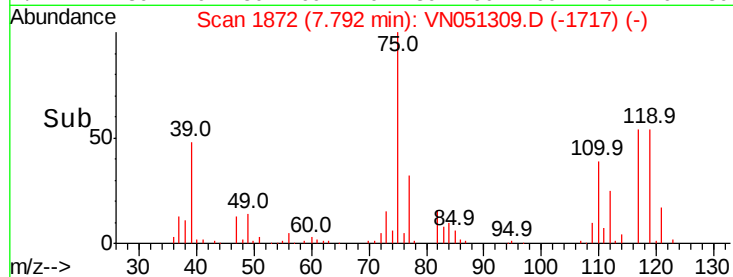
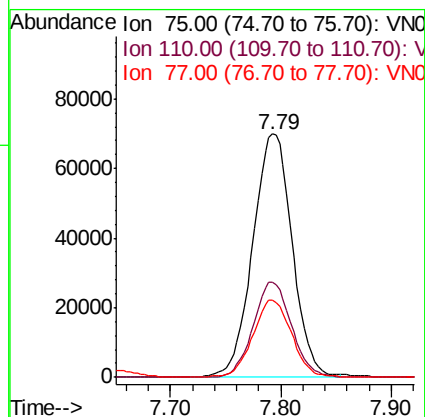
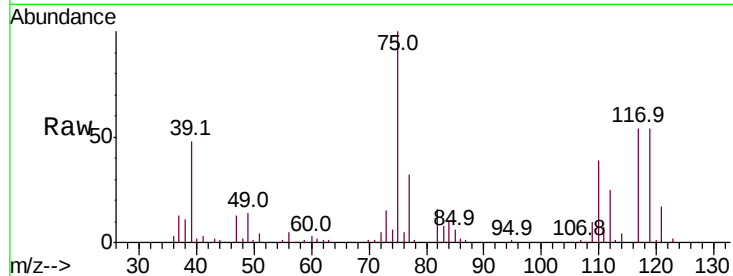




#29
 1,1-Dichloropropene
 Concen: 21.037 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051309.D
 Acq: 19 Sep 2018 10:29

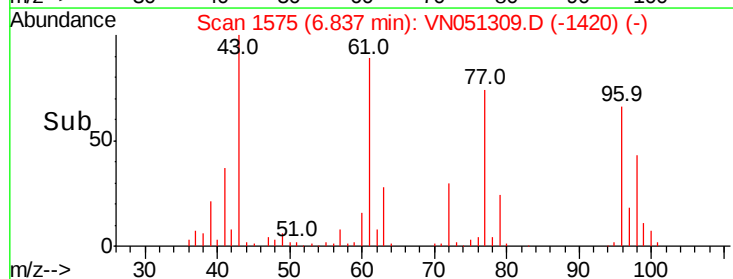
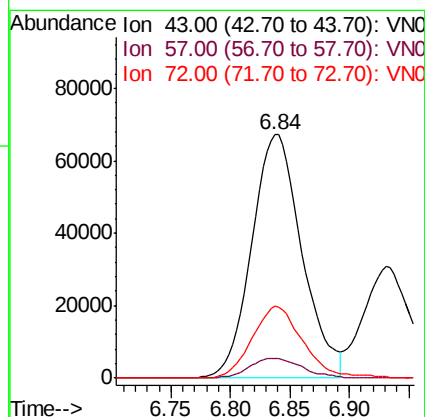
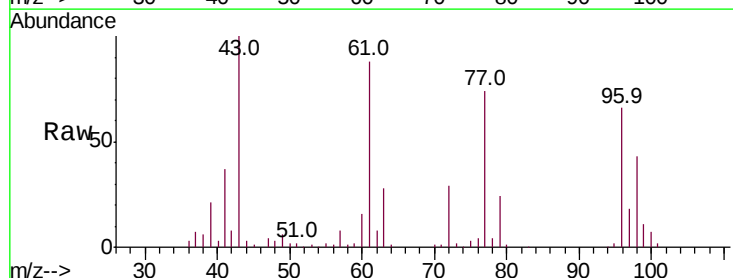
Instrument :
 MSVOA_N
 ClientSampled :

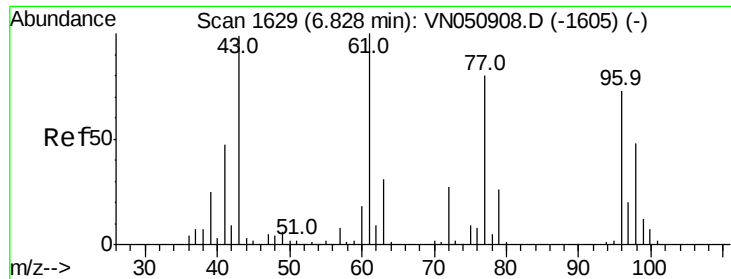
Tot Ion: 75 Resp: 173781
 Ion Ratio Lower Upper
 75 100
 110 37.9 0.0 75.0
 77 31.3 0.0 60.6



#30
 2-Butanone
 Concen: 77.317 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VN051309.D
 Acq: 19 Sep 2018 10:29

Tgt Ion: 43 Resp: 196478
 Ion Ratio Lower Upper
 43 100
 57 4.3 6.9 10.3#
 72 29.4 22.8 34.2





#31

2,2-Dichloropropane

Concen: 23.034 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN051309.D

Acq: 19 Sep 2018 10:29

Instrument :

MSVOA_N

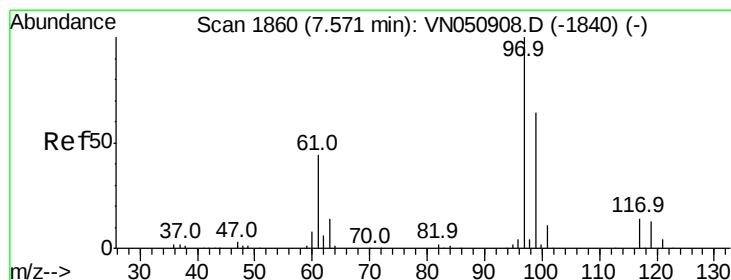
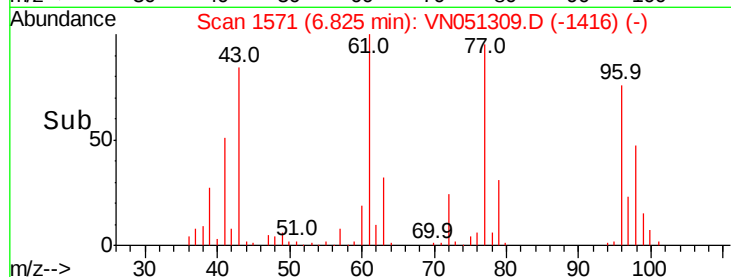
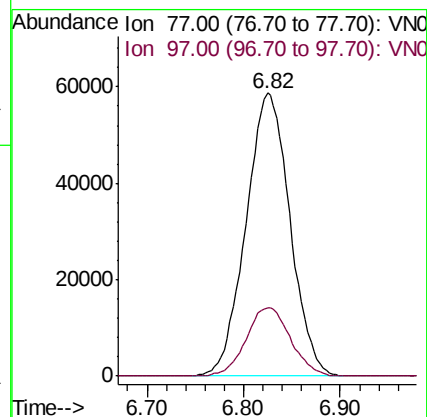
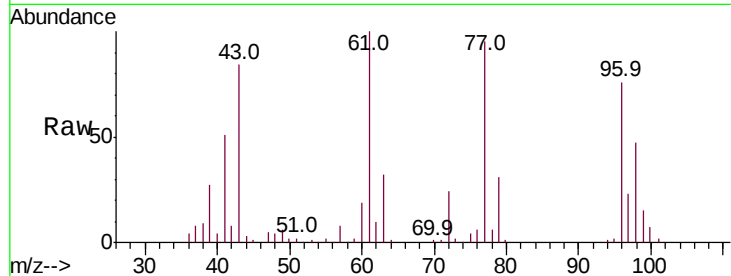
ClientSampleId :

Tot Ion: 77 Resp: 185142

Ion Ratio Lower Upper

77 100

97 24.5 20.2 30.2



#32

1,1,1-Trichloroethane

Concen: 21.209 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN051309.D

Acq: 19 Sep 2018 10:29

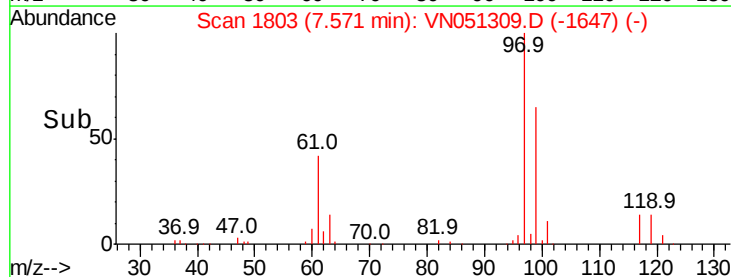
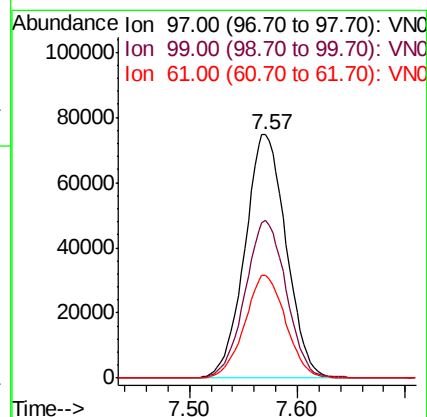
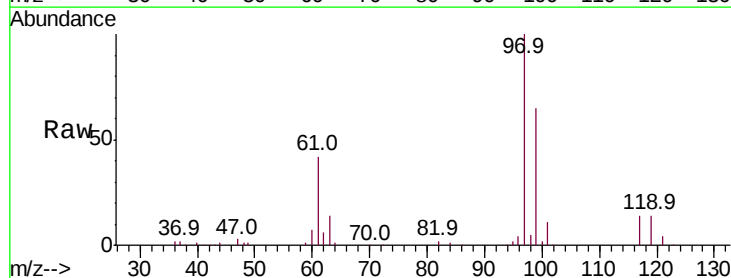
Tgt Ion: 97 Resp: 198671

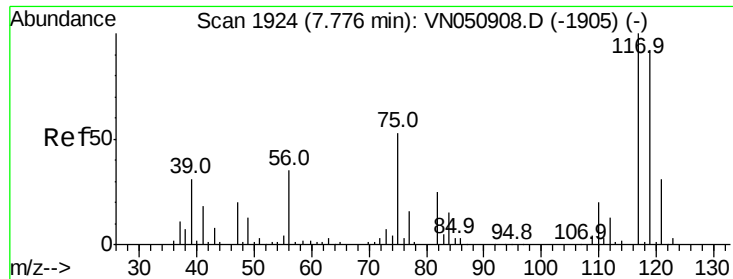
Ion Ratio Lower Upper

97 100

99 64.4 52.0 78.0

61 41.9 35.0 52.6

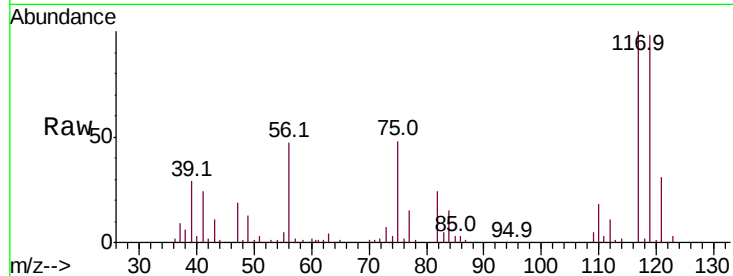




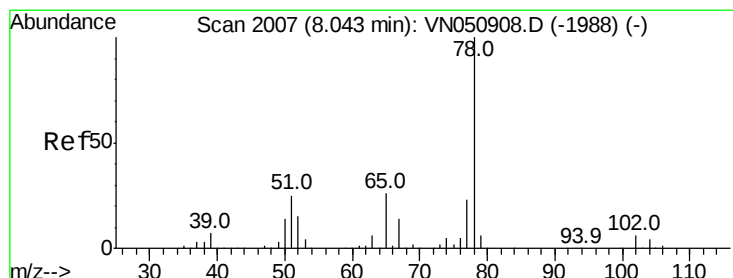
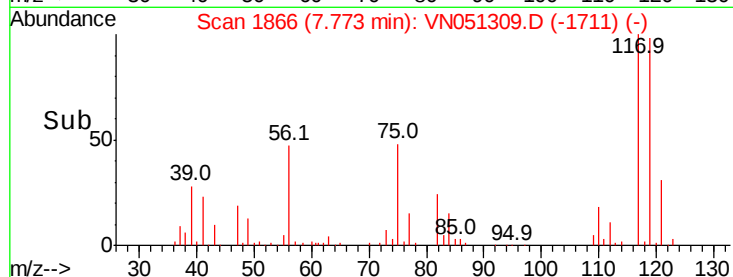
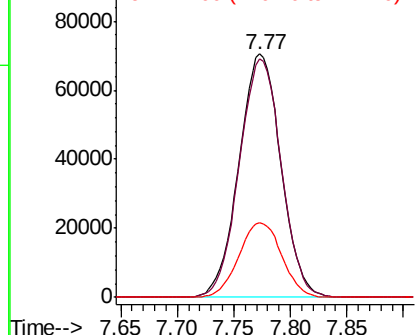
#33
Carbon Tetrachloride
Concen: 21.559 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051309.D
Acq: 19 Sep 2018 10:29

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 181865
Ion Ratio Lower Upper
117 100
119 97.6 73.5 110.3
121 30.6 24.6 37.0

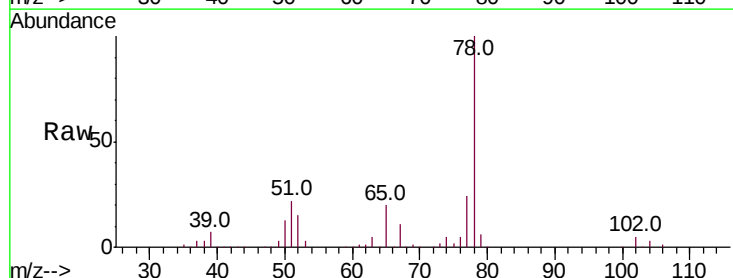


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

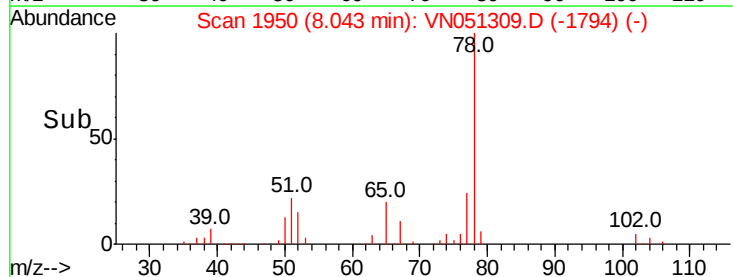
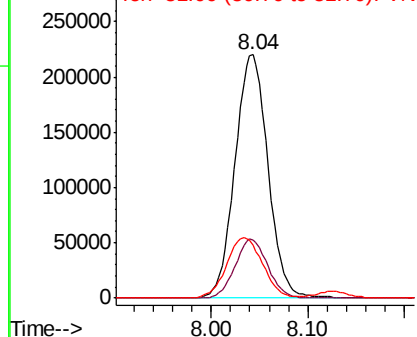


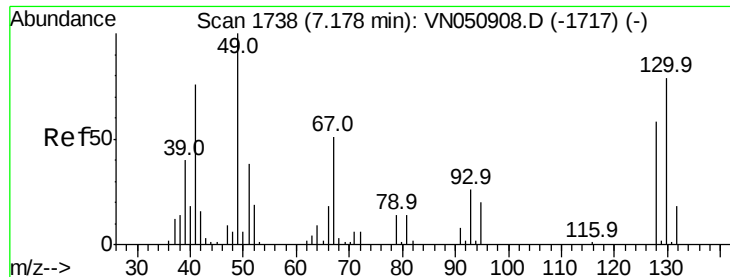
#34
Benzene
Concen: 20.415 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051309.D
Acq: 19 Sep 2018 10:29

Tgt Ion: 78 Resp: 521701
Ion Ratio Lower Upper
78 100
77 24.0 18.6 28.0
51 21.5 20.0 30.0



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

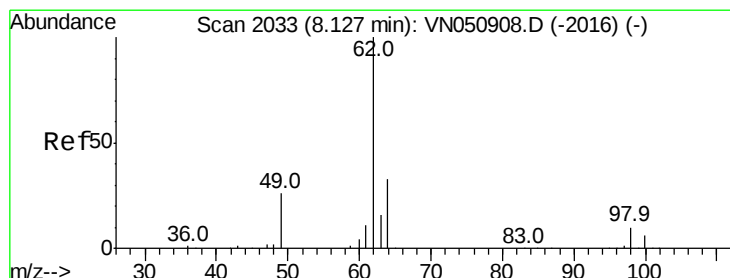
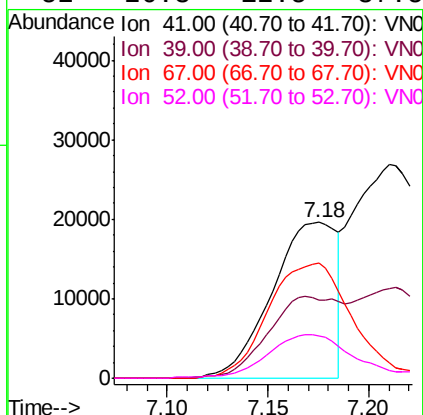
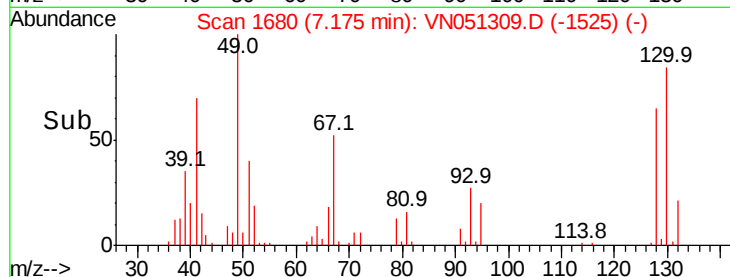
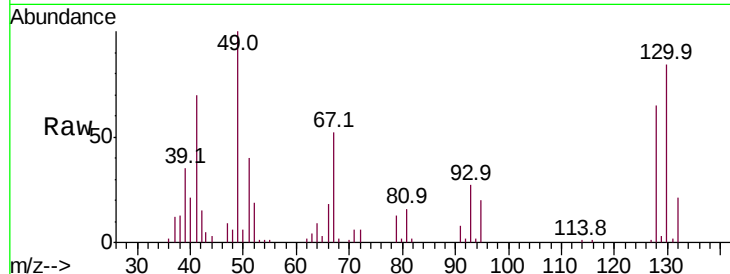




#35
Methacrylonitrile
Concen: 15.695 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN051309.D
Acq: 19 Sep 2018 10:29

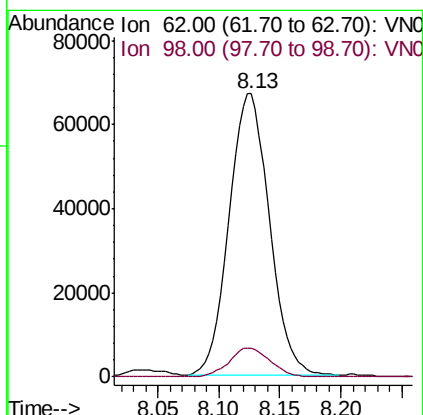
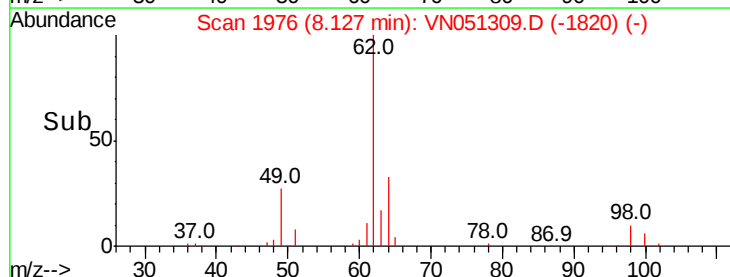
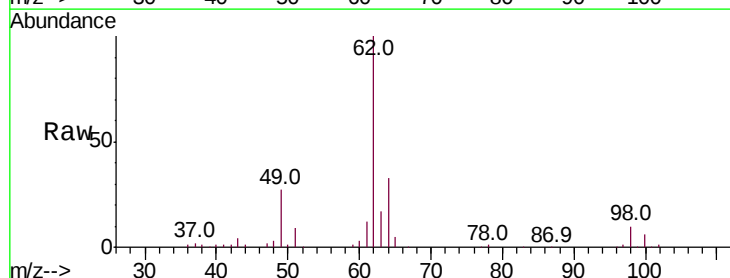
Instrument :
MSVOA_N
ClientSampled :

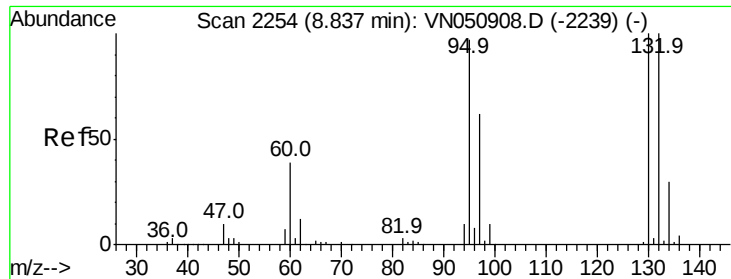
Tot Ion: 41 Resp: 43697
Ion Ratio Lower Upper
41 100
39 50.4 26.2 78.5
67 74.2 33.9 101.6
52 26.3 12.5 37.5



#36
1,2-Dichloroethane
Concen: 19.917 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN051309.D
Acq: 19 Sep 2018 10:29

Tgt Ion: 62 Resp: 153927
Ion Ratio Lower Upper
62 100
98 10.4 8.0 12.0

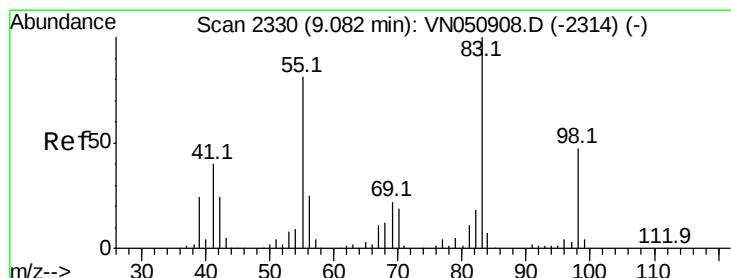
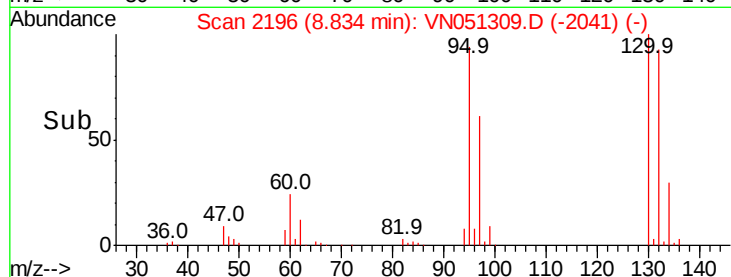
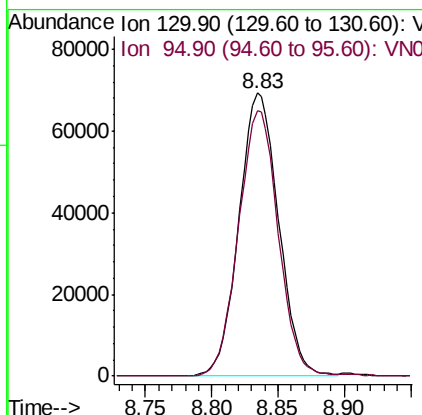
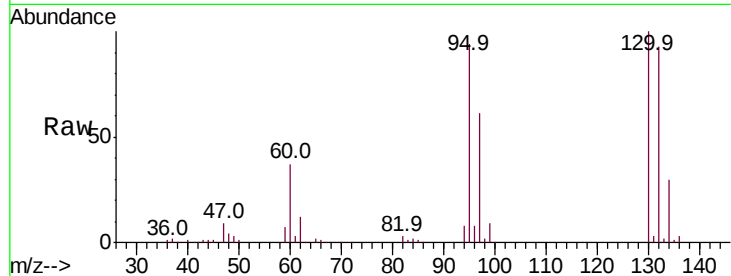




#37
 Trichloroethene
 Concen: 21.592 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN051309.D
 Acq: 19 Sep 2018 10:29

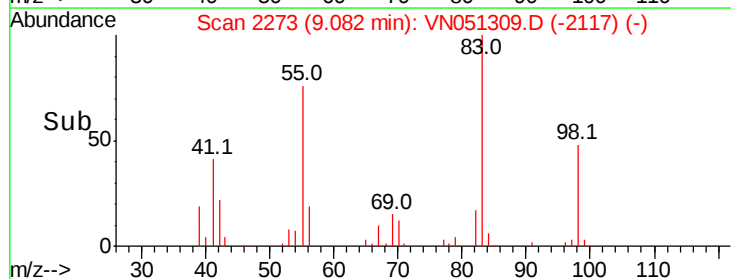
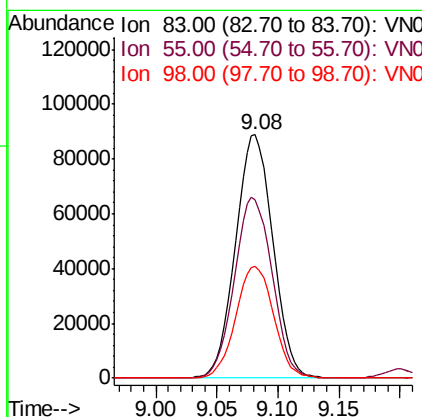
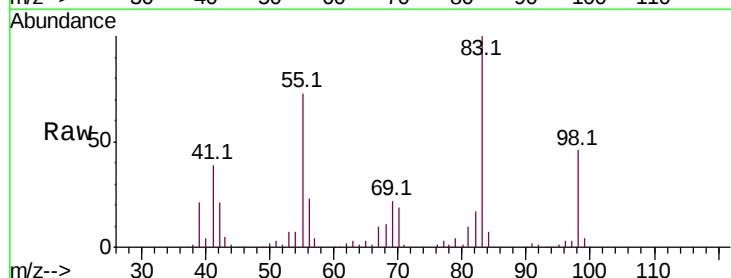
Instrument :
 MSVOA_N
 ClientSampleId :

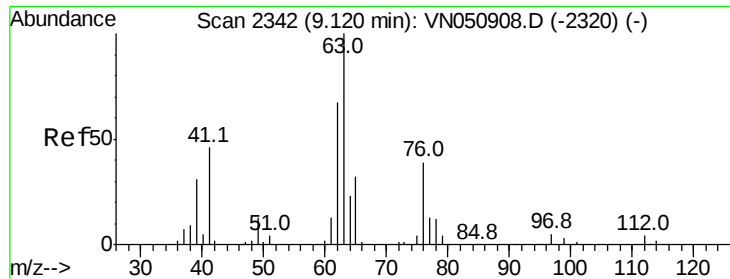
Tot Ion:130 Resp: 144219
 Ion Ratio Lower Upper
 130 100
 95 94.0 77.4 116.0



#38
 Methylcyclohexane
 Concen: 21.274 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN051309.D
 Acq: 19 Sep 2018 10:29

Tgt Ion: 83 Resp: 188743
 Ion Ratio Lower Upper
 83 100
 55 75.2 38.9 116.7
 98 46.3 22.9 68.7

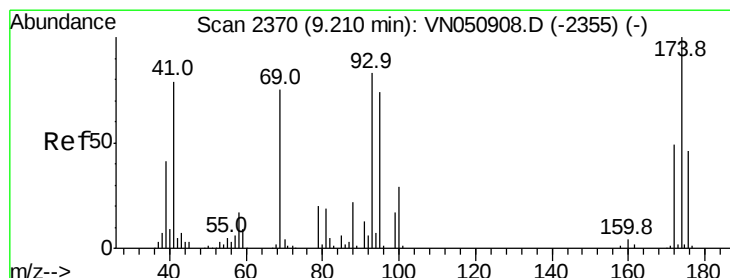
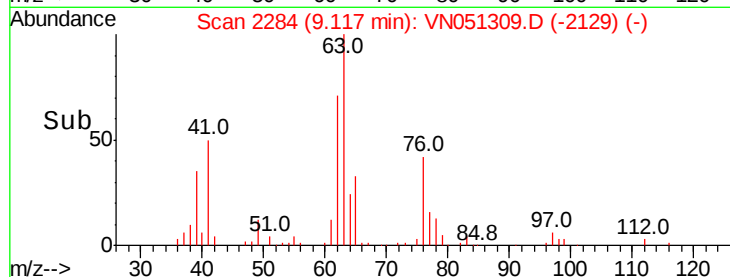
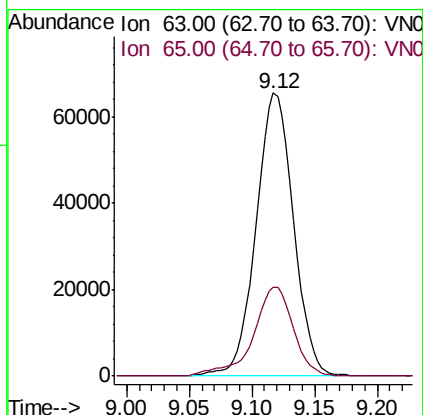
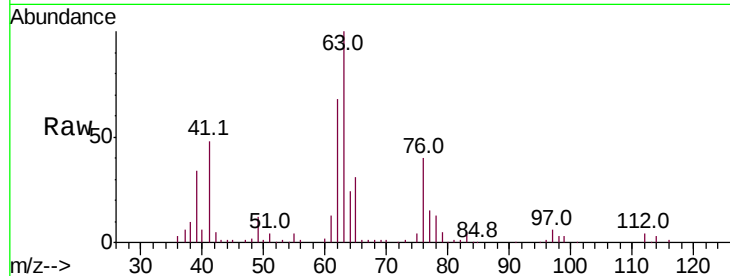




#39
 1,2-Dichloropropane
 Concen: 20.437 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN051309.D
 Acq: 19 Sep 2018 10:29

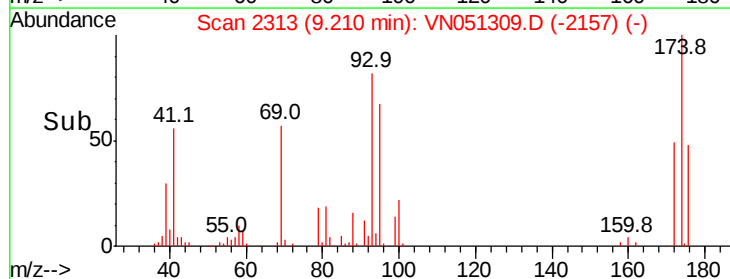
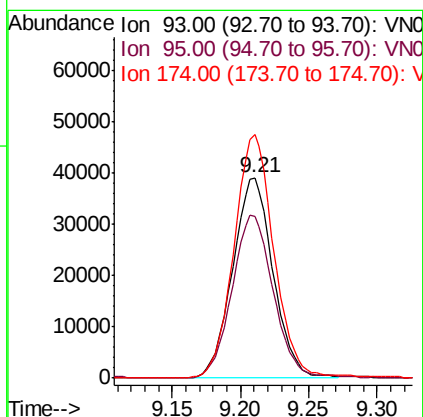
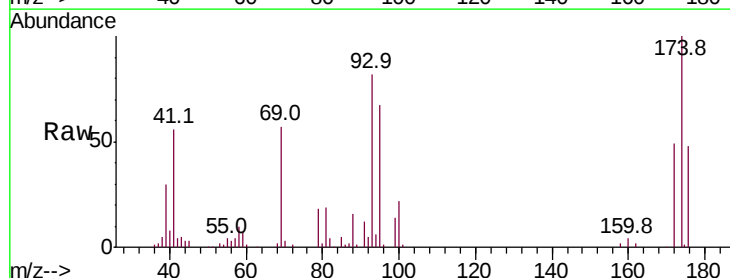
Instrument :
 MSVOA_N
 ClientSampled :

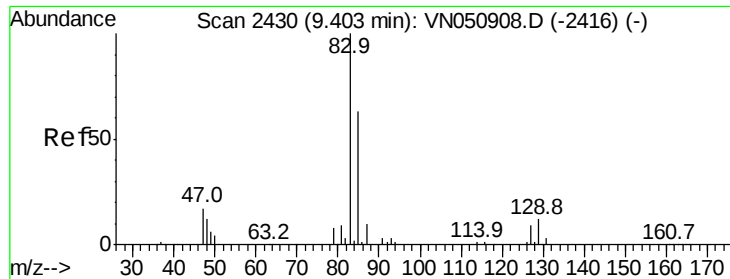
Tot Ion: 63 Resp: 136398
 Ion Ratio Lower Upper
 63 100
 65 31.0 25.6 38.4



#40
 Dibromomethane
 Concen: 20.049 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN051309.D
 Acq: 19 Sep 2018 10:29

Tgt Ion: 93 Resp: 80606
 Ion Ratio Lower Upper
 93 100
 95 82.0 0.0 173.4
 174 119.3 0.0 234.8





#41

Bromodichloromethane

Concen: 20.580 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN051309.D

Acq: 19 Sep 2018 10:29

Instrument :

MSVOA_N

ClientSampled :

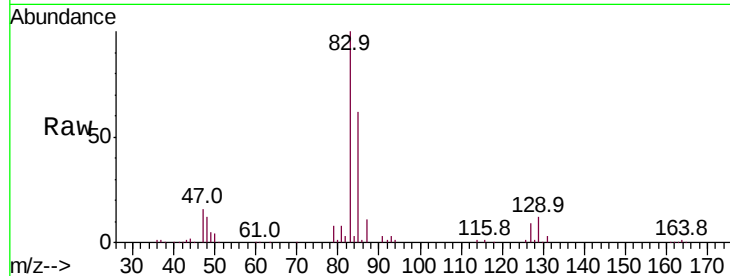
Tot Ion: 83 Resp: 174414

Ion Ratio Lower Upper

83 100

85 62.5 50.6 76.0

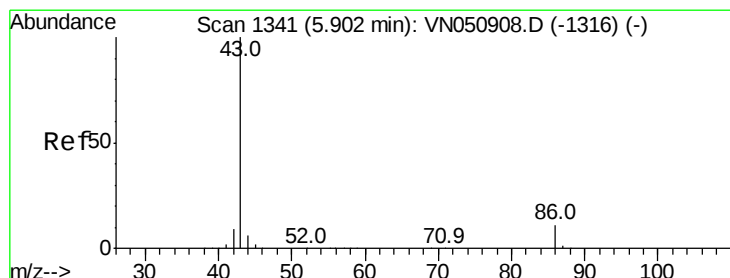
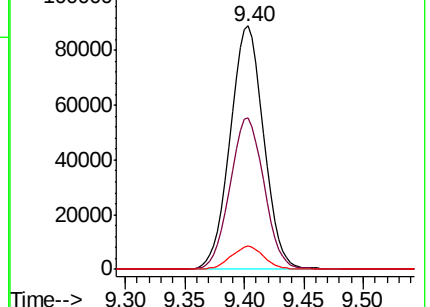
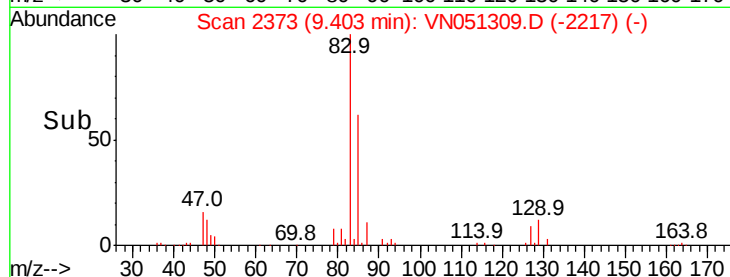
127 9.4 7.1 10.7



Abundance Ion 83.00 (82.70 to 83.70): VN051309.D (-2217) (-)

Ion 85.00 (84.70 to 85.70): VN051309.D (-2217) (-)

Ion 127.00 (126.70 to 127.70): VN051309.D (-2217) (-)



#42

Vinyl Acetate

Concen: 91.493 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN051309.D

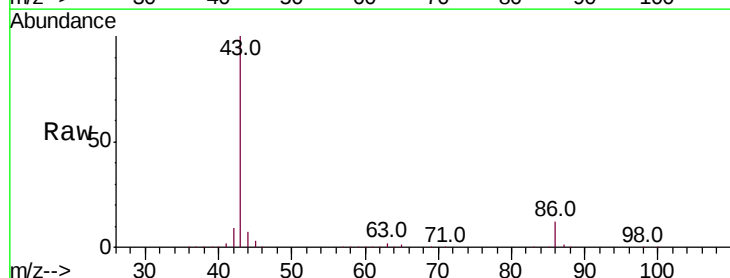
Acq: 19 Sep 2018 10:29

Tgt Ion: 43 Resp: 1070921

Ion Ratio Lower Upper

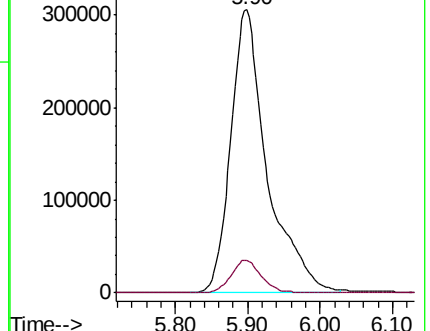
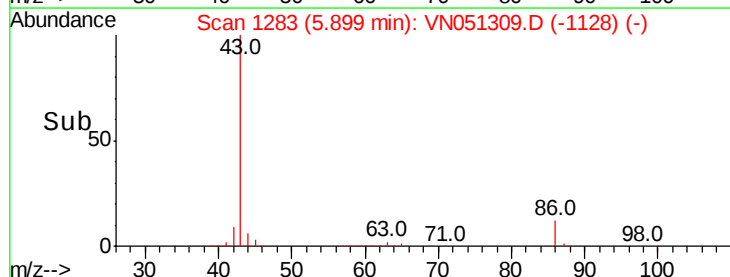
43 100

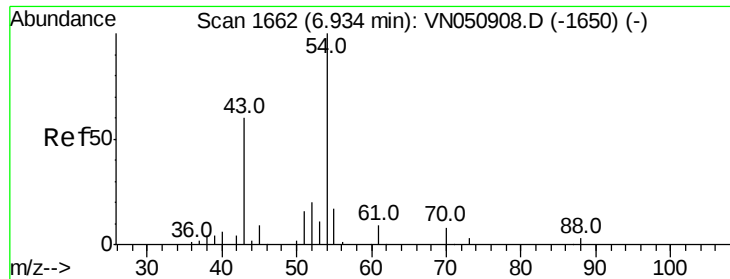
86 9.7 7.2 10.8



Abundance Ion 43.00 (42.70 to 43.70): VN051309.D (-1128) (-)

Ion 86.00 (85.70 to 86.70): VN051309.D (-1128) (-)





#43

Ethyl Acetate

Concen: 15.217 ug/l

RT: 6.93 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VN051309.D

Acq: 19 Sep 2018 10:29

Instrument :

MSVOA_N

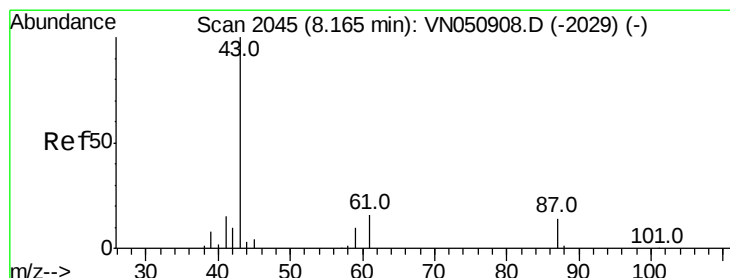
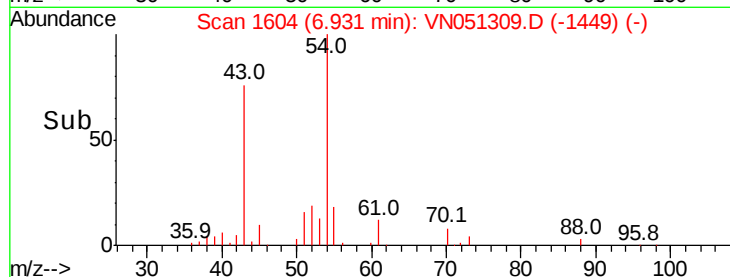
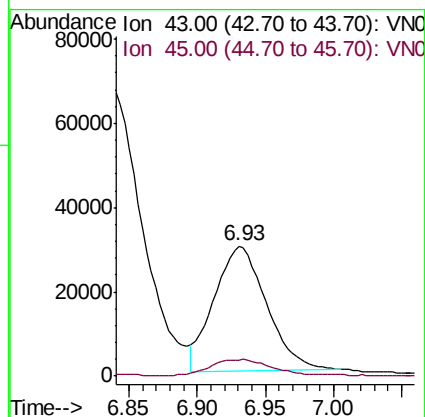
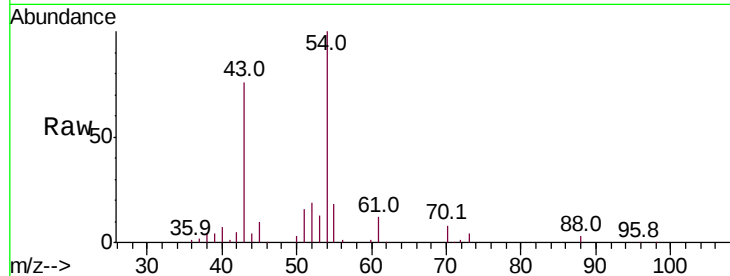
ClientSampleId :

Tot Ion: 43 Resp: 79216

Ion Ratio Lower Upper

43 100

45 6.2 10.2 15.2#



#44

Isopropyl Acetate

Concen: 17.714 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN051309.D

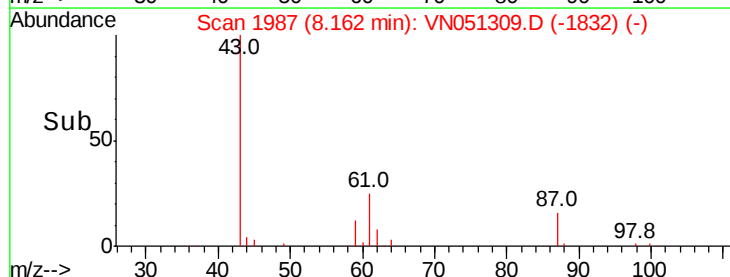
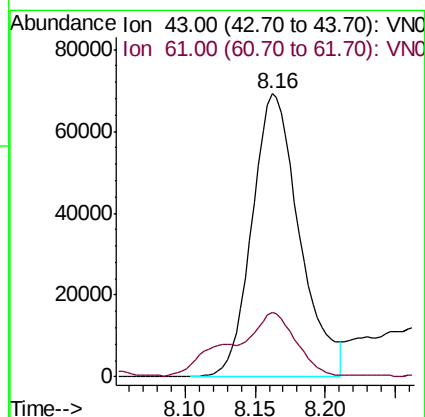
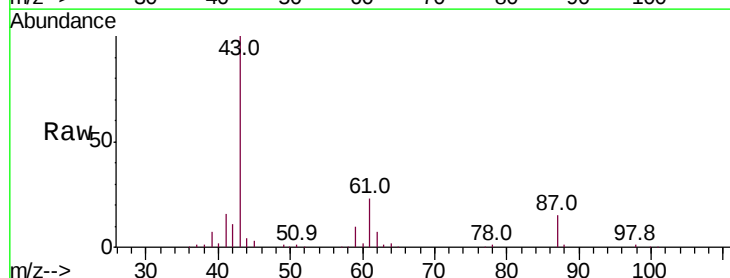
Acq: 19 Sep 2018 10:29

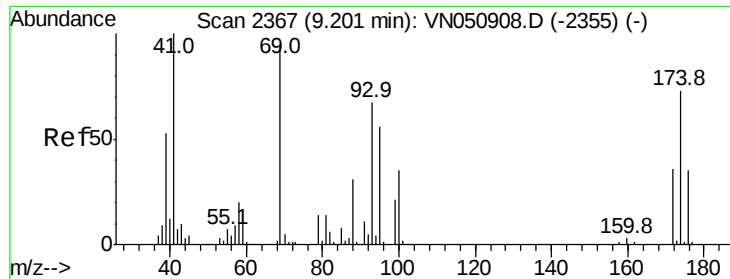
Tgt Ion: 43 Resp: 162718

Ion Ratio Lower Upper

43 100

61 20.3 16.3 24.5

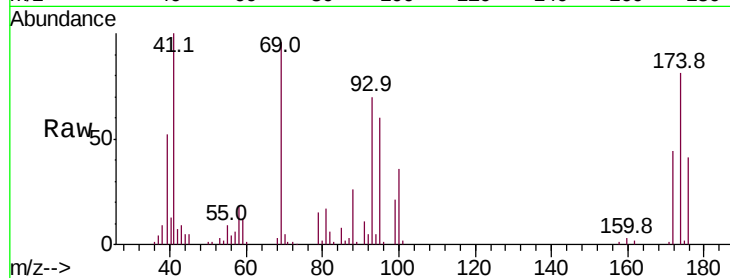




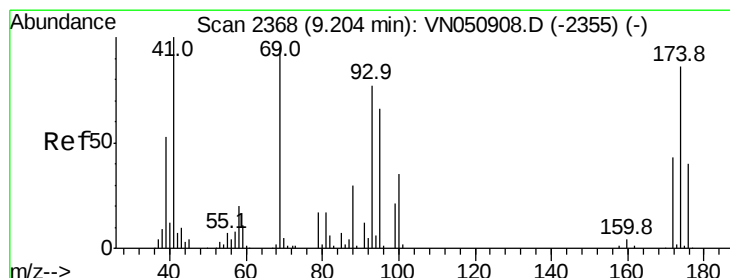
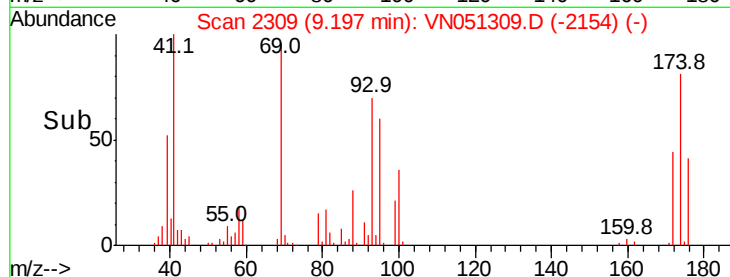
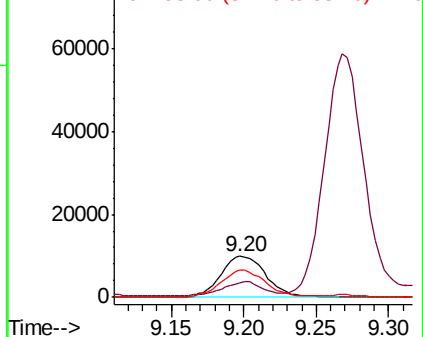
#45
 1,4-Dioxane
 Concen: 316.613 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN051309.D
 Acq: 19 Sep 2018 10:29

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 88 Resp: 21605
 Ion Ratio Lower Upper
 88 100
 43 30.6 23.5 35.3
 58 65.0 55.2 82.8

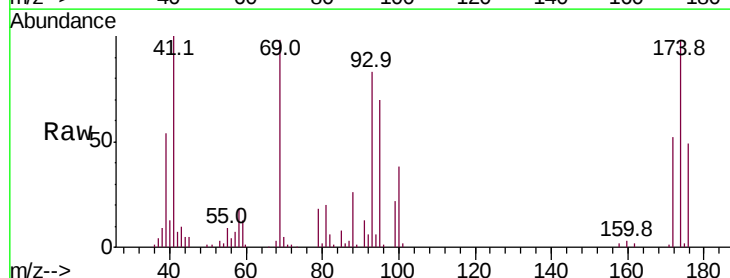


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

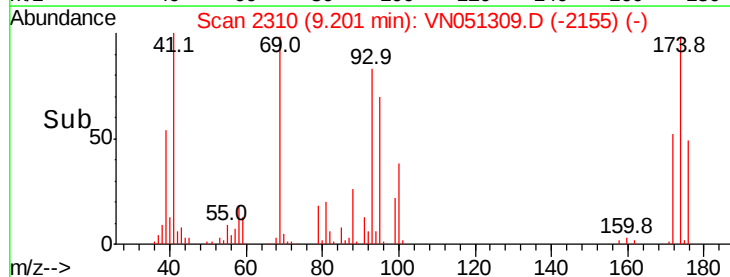
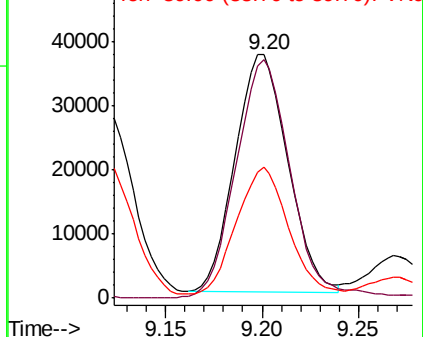


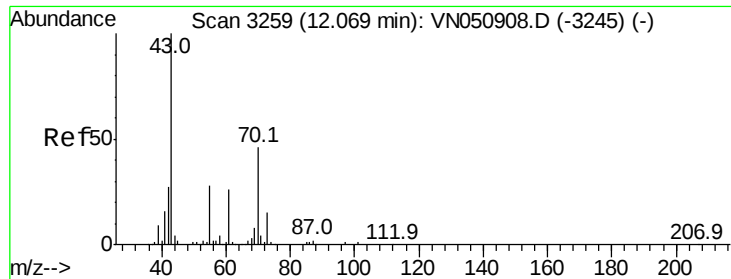
#46
 Methyl methacrylate
 Concen: 15.353 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN051309.D
 Acq: 19 Sep 2018 10:29

Tgt Ion: 41 Resp: 70635
 Ion Ratio Lower Upper
 41 100
 69 99.7 47.4 142.2
 39 53.5 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: 14.335 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051309.D

Acq: 19 Sep 2018 10:29

Instrument :

MSVOA_N

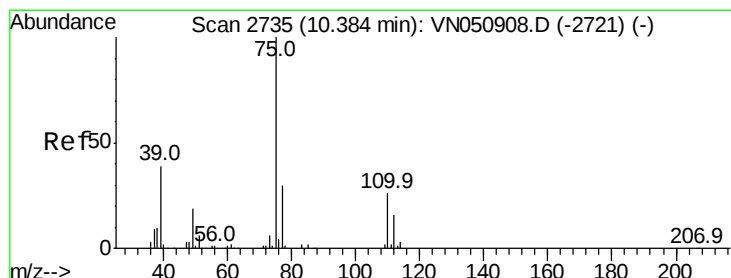
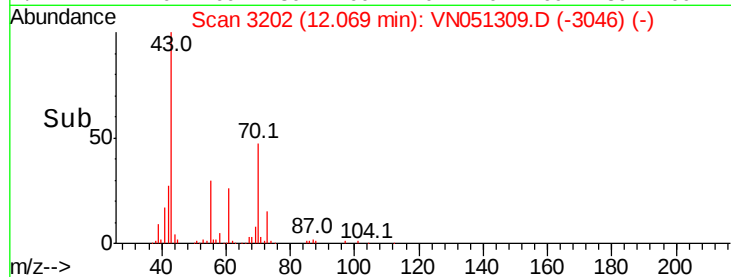
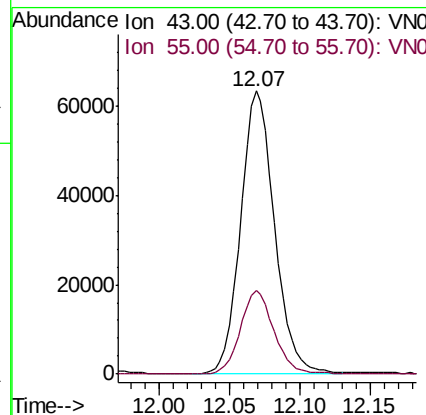
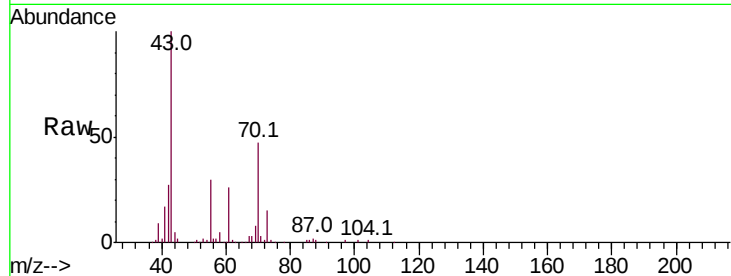
ClientSampled :

Tot Ion: 43 Resp: 105870

Ion Ratio Lower Upper

43 100

55 29.2 23.0 34.4



#48

t-1,3-Dichloropropene

Concen: 19.460 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN051309.D

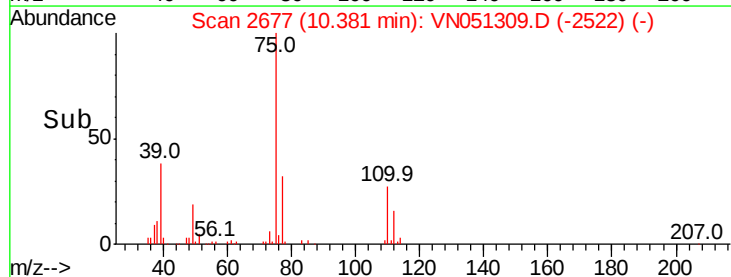
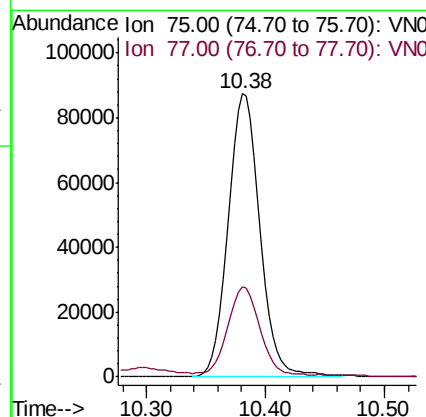
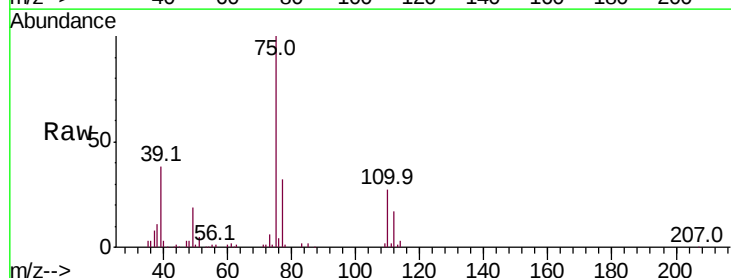
Acq: 19 Sep 2018 10:29

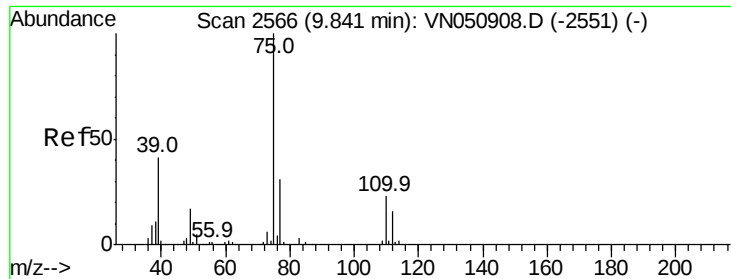
Tgt Ion: 75 Resp: 161668

Ion Ratio Lower Upper

75 100

77 31.6 24.8 37.2



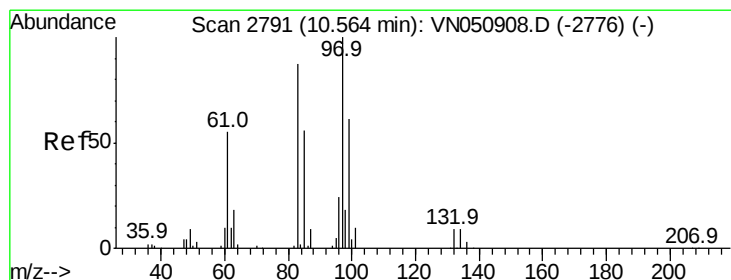
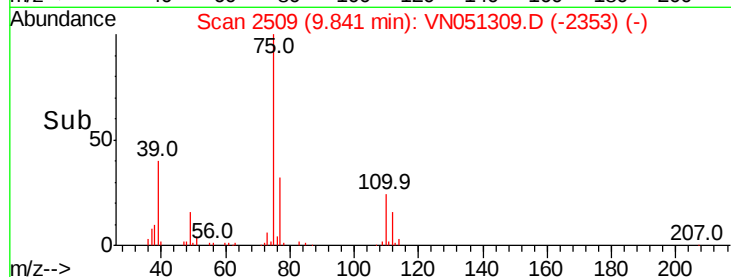
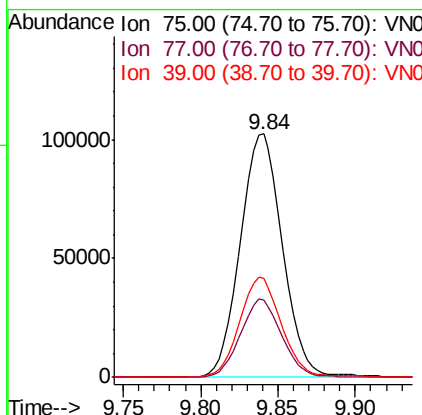
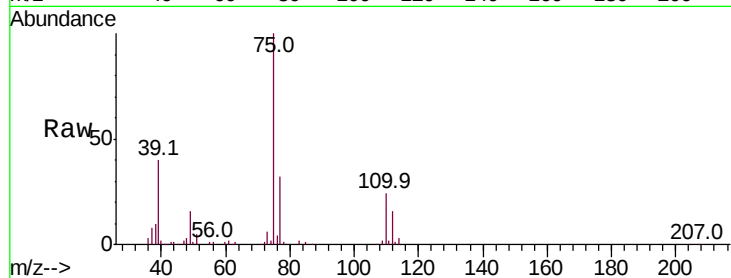


#49

cis-1,3-Dichloropropene
 Concen: 20.314 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN051309.D
 Acq: 19 Sep 2018 10:29

Instrument :
 MSVOA_N
 ClientSampled :

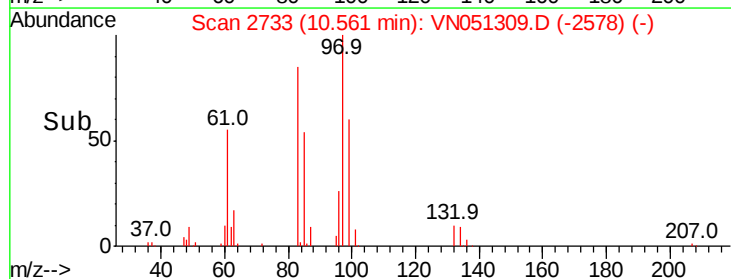
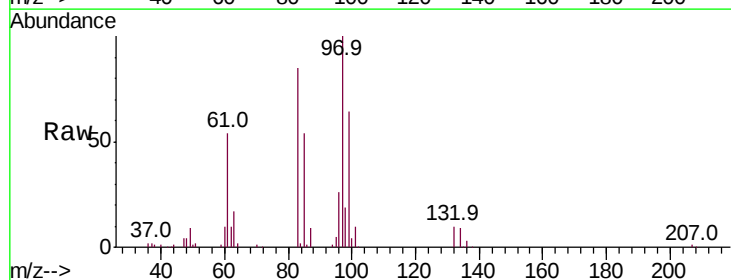
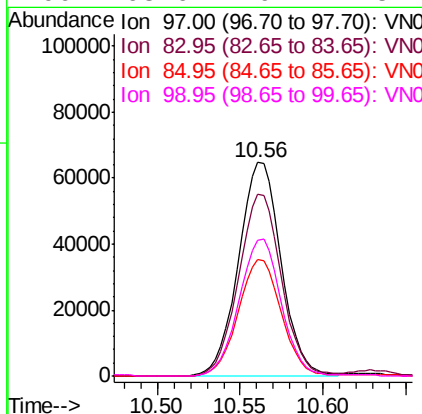
Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.0	37.4
39	40.3	32.9	49.3

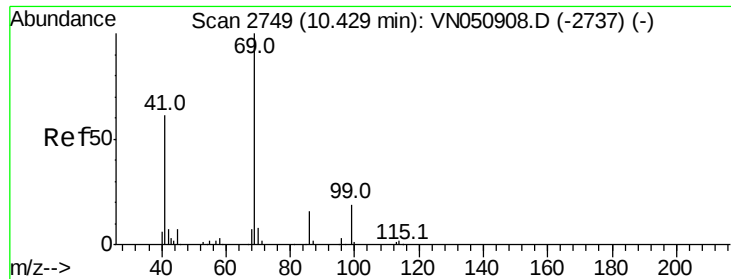


#50

1,1,2-Trichloroethane
 Concen: 19.804 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN051309.D
 Acq: 19 Sep 2018 10:29

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.0	69.8	104.6
85	54.4	45.0	67.6
99	63.6	49.1	73.7





#51

Ethyl methacrylate

Concen: 17.391 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN051309.D

Acq: 19 Sep 2018 10:29

Instrument :

MSVOA_N

ClientSampled :

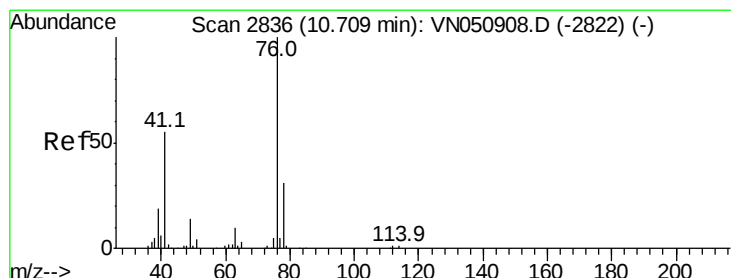
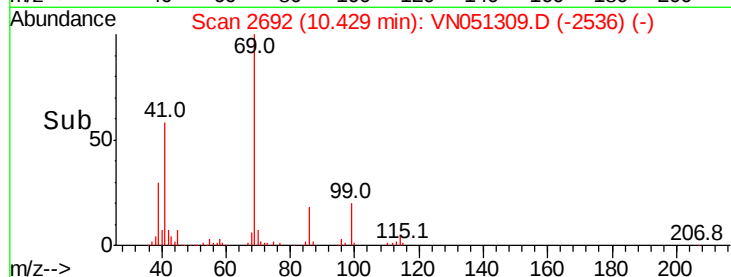
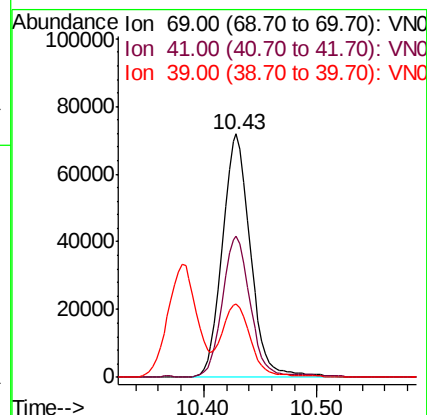
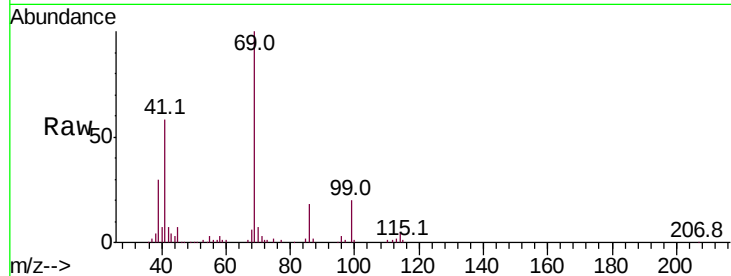
Tot Ion: 69 Resp: 124298

Ion Ratio Lower Upper

69 100

41 57.7 30.5 91.5

39 29.7 15.3 45.8



#52

1,3-Dichloropropane

Concen: 19.142 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN051309.D

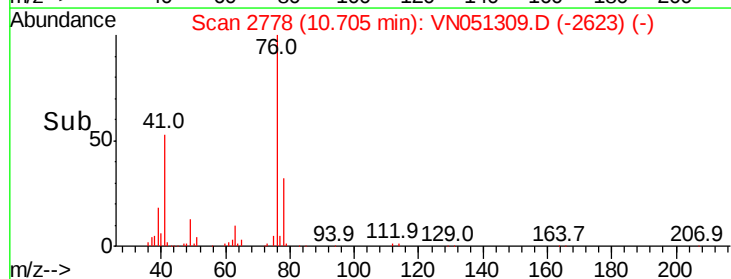
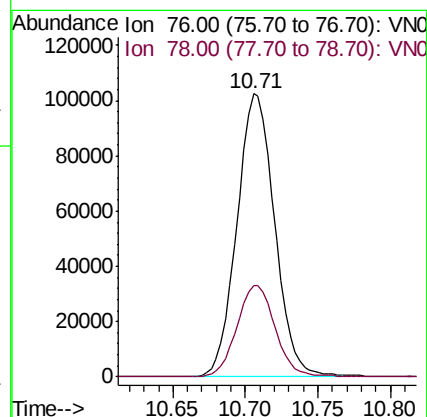
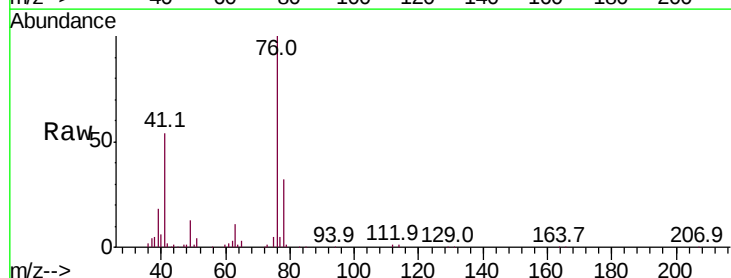
Acq: 19 Sep 2018 10:29

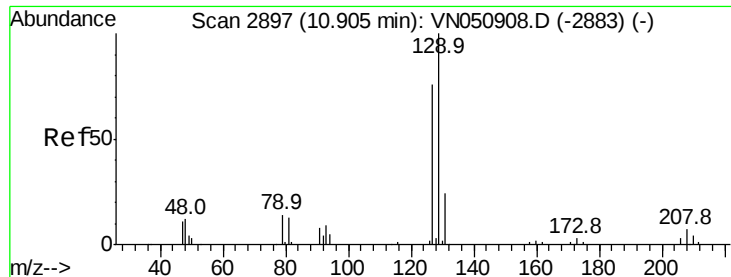
Tgt Ion: 76 Resp: 185223

Ion Ratio Lower Upper

76 100

78 32.9 0.0 63.4





#53

Dibromochloromethane

Concen: 20.398 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN051309.D

Acq: 19 Sep 2018 10:29

Instrument :

MSVOA_N

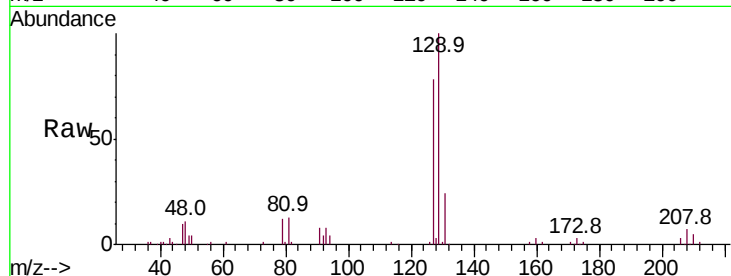
ClientSampleId :

Tot Ion:129 Resp: 135492

Ion Ratio Lower Upper

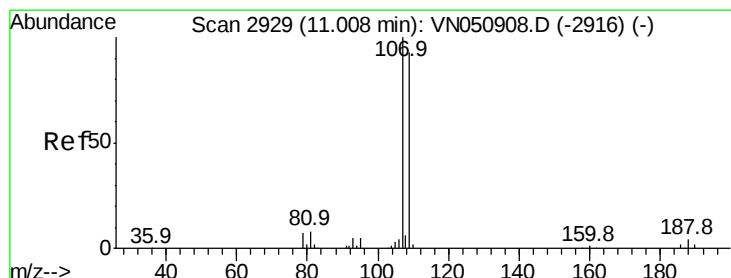
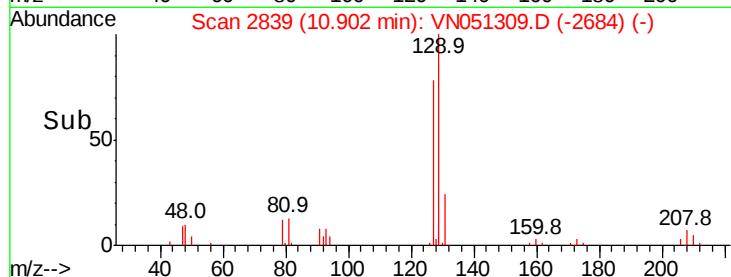
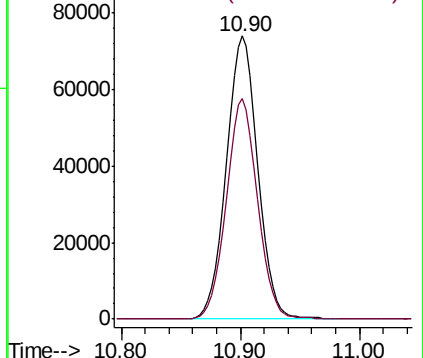
129 100

127 77.3 39.0 116.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 18.886 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN051309.D

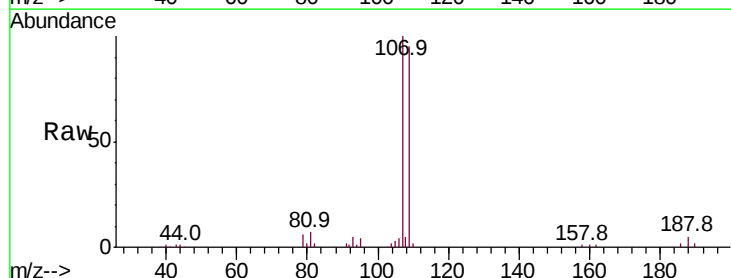
Acq: 19 Sep 2018 10:29

Tgt Ion:107 Resp: 109087

Ion Ratio Lower Upper

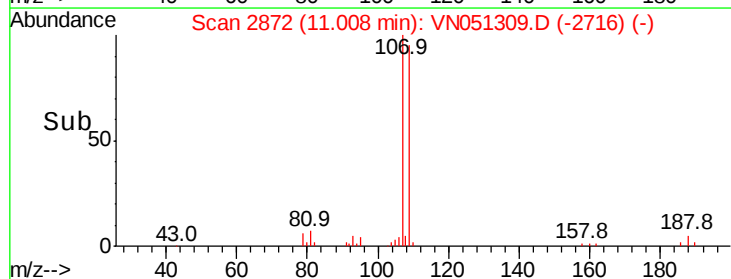
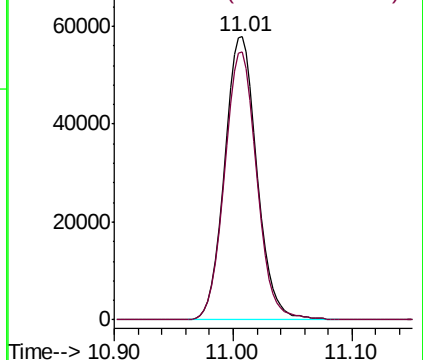
107 100

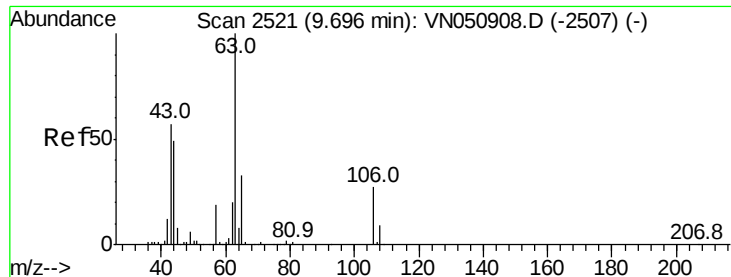
109 94.3 74.4 111.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

2-Chloroethyl vinyl ether

Concen: 77.956 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN051309.D

Acq: 19 Sep 2018 10:29

Instrument :

MSVOA_N

ClientSampleId :

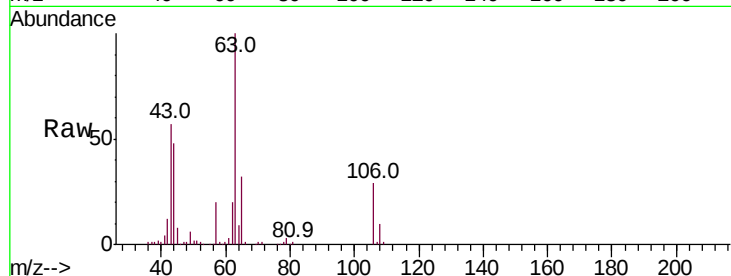
Tot Ion: 63 Resp: 231831

Ion Ratio Lower Upper

63 100

65 32.0 25.4 38.2

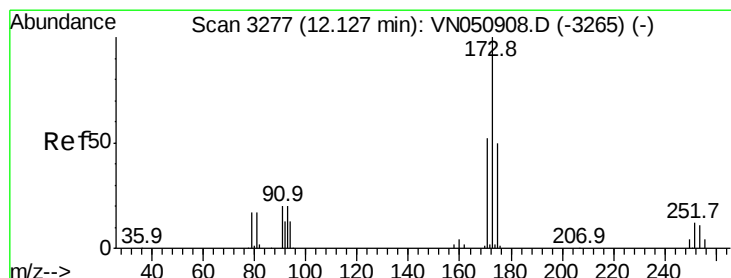
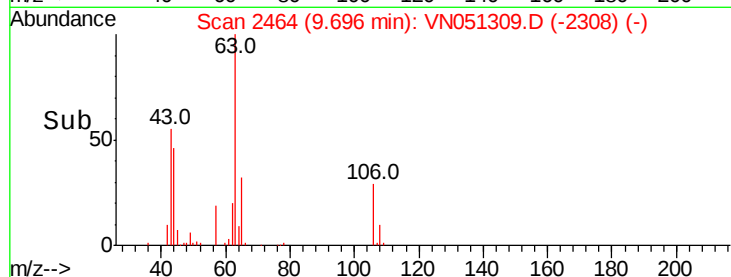
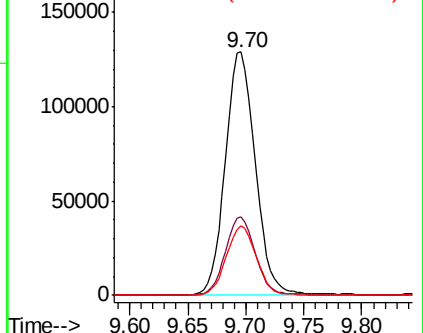
106 28.5 22.0 33.0



Abundance Ion 63.00 (62.70 to 63.70): VN050908.D (-2507) (-)

Ion 65.00 (64.70 to 65.70): VN050908.D (-2507) (-)

Ion 106.00 (105.70 to 106.70): VN050908.D (-2507) (-)



#56

Bromoform

Concen: 19.162 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN051309.D

Acq: 19 Sep 2018 10:29

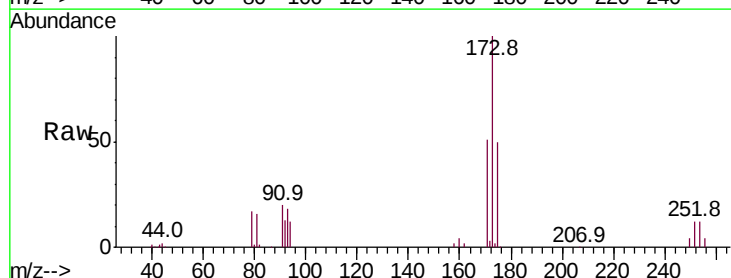
Tgt Ion: 173 Resp: 90525

Ion Ratio Lower Upper

173 100

175 49.3 39.2 58.8

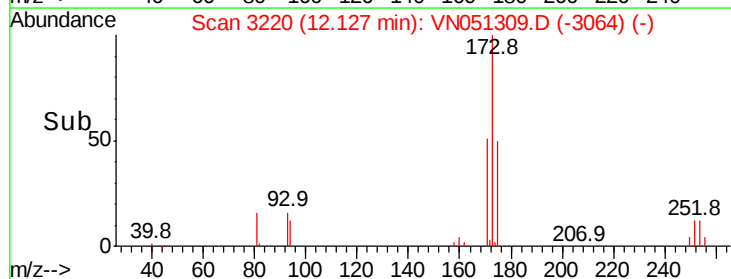
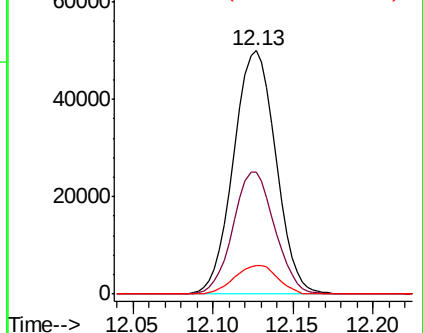
254 12.0 9.0 13.6

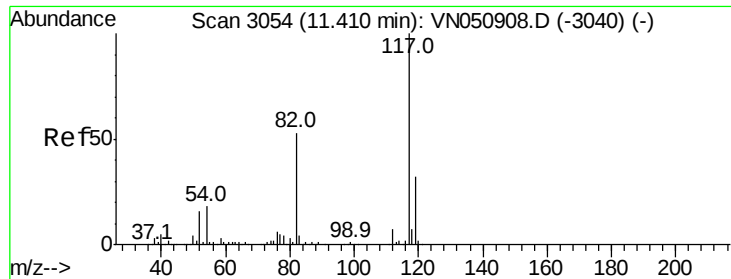


Abundance Ion 173.00 (172.70 to 173.70): VN050908.D (-3265) (-)

Ion 175.00 (174.70 to 175.70): VN050908.D (-3265) (-)

Ion 254.00 (253.70 to 254.70): VN050908.D (-3265) (-)





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN051309.D

Acq: 19 Sep 2018 10:29

Instrument :

MSVOA_N

ClientSampleId :

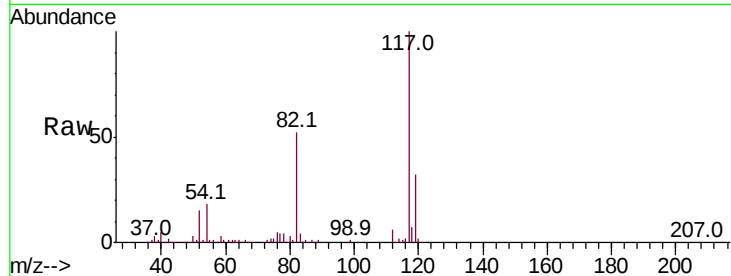
Tot Ion:117 Resp: 477043

Ion Ratio Lower Upper

117 100

82 52.1 42.6 64.0

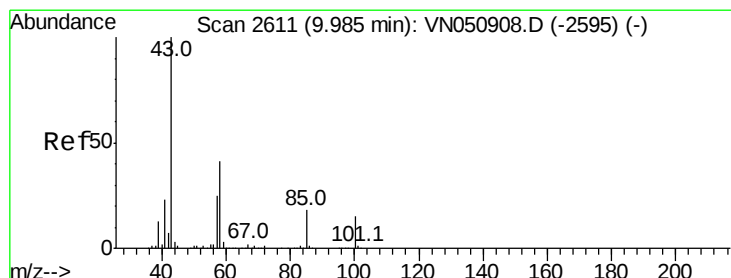
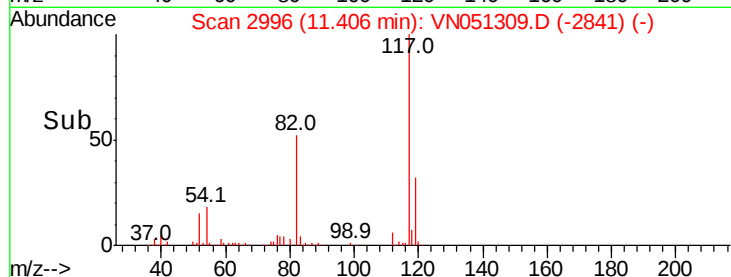
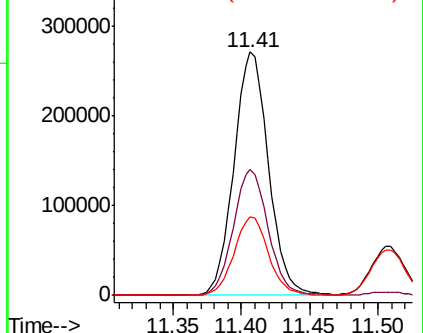
119 32.1 25.7 38.5



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: 76.151 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN051309.D

Acq: 19 Sep 2018 10:29

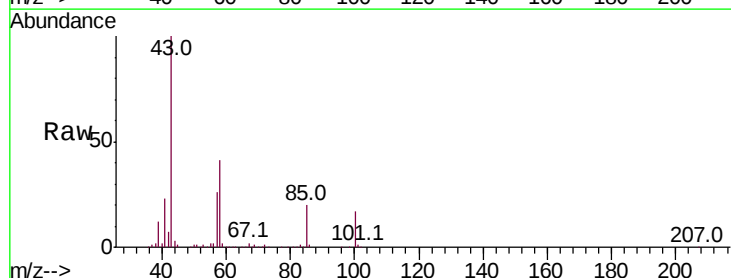
Tgt Ion: 43 Resp: 415643

Ion Ratio Lower Upper

43 100

58 41.0 32.3 48.5

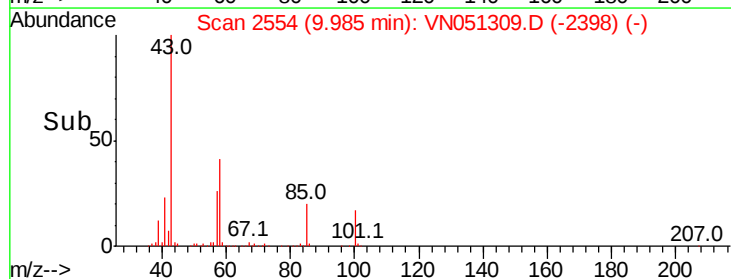
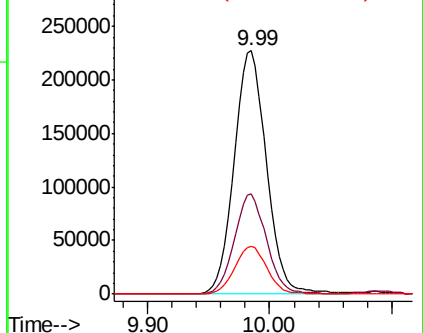
85 19.8 14.9 22.3

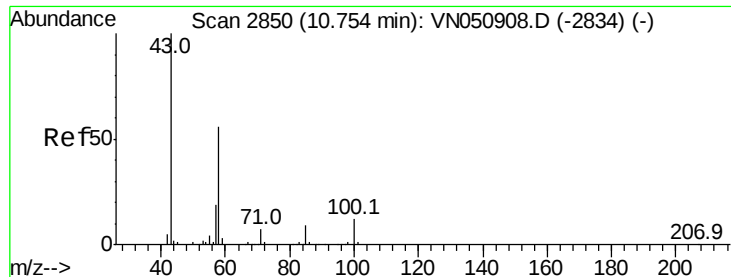


Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

Ion 85.00 (84.70 to 85.70): VN

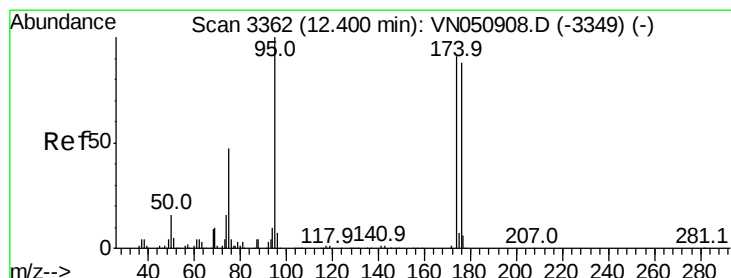
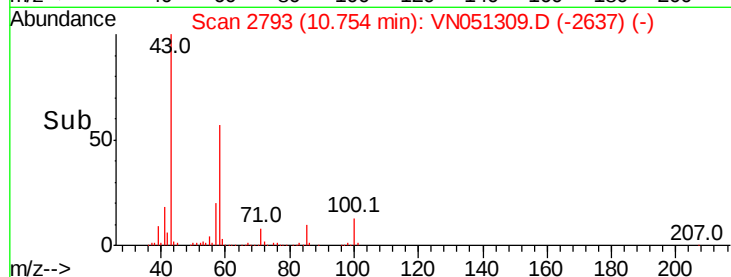
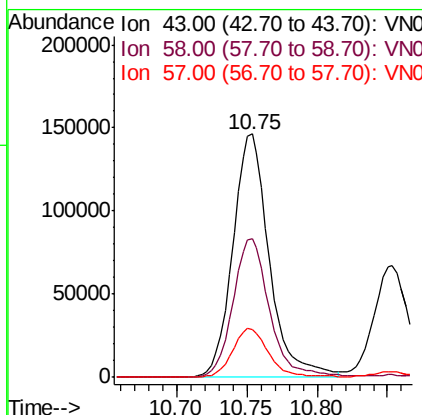
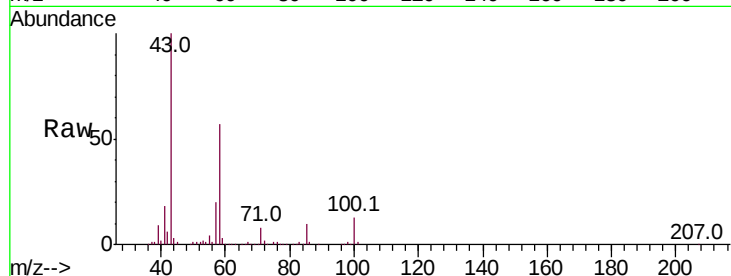




#59
2-Hexanone
Concen: 73.672 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051309.D
Acq: 19 Sep 2018 10:29

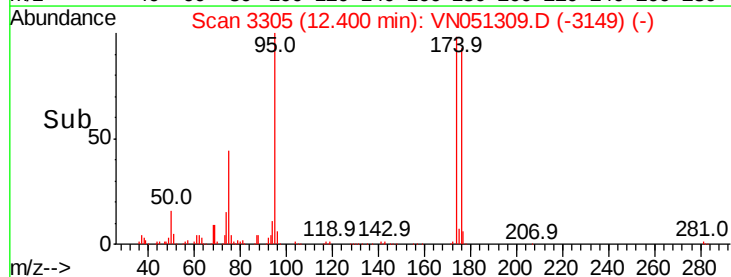
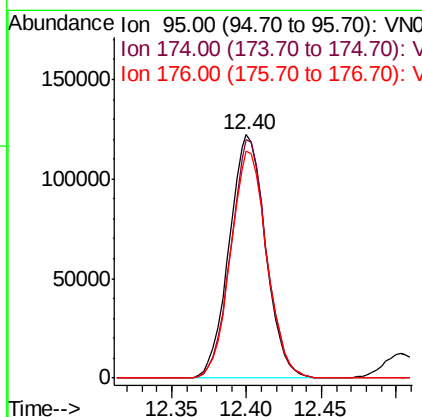
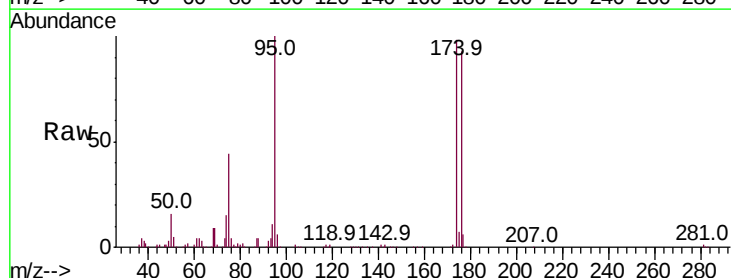
Instrument :
MSVOA_N
ClientSampled :

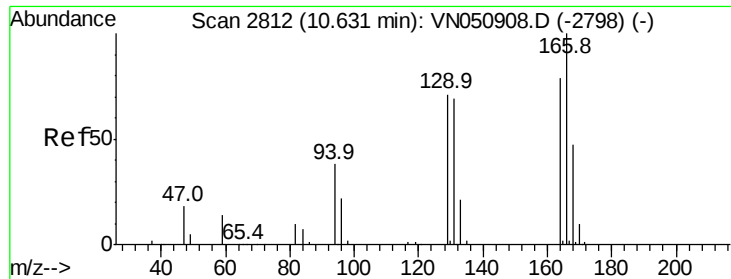
Tot Ion: 43 Resp: 262838
Ion Ratio Lower Upper
43 100
58 57.8 45.5 68.3
57 20.1 15.2 22.8



#60
4-Bromofluorobenzene
Concen: 29.110 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN051309.D
Acq: 19 Sep 2018 10:29

Tgt Ion: 95 Resp: 206496
Ion Ratio Lower Upper
95 100
174 96.0 74.6 112.0
176 92.6 71.5 107.3





#61

Tetrachloroethene

Concen: 22.795 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN051309.D

Acq: 19 Sep 2018 10:29

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:164 Resp: 135507

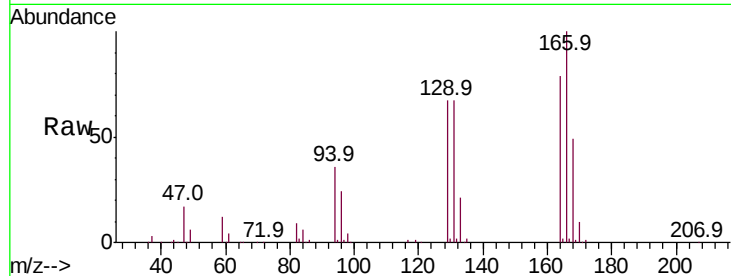
Ion Ratio Lower Upper

164 100

166 127.3 100.6 151.0

129 85.7 71.0 106.6

131 85.6 69.3 103.9

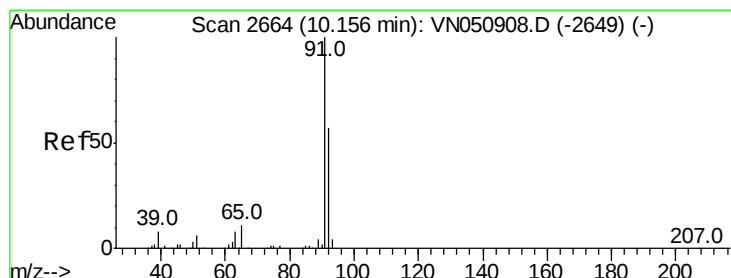
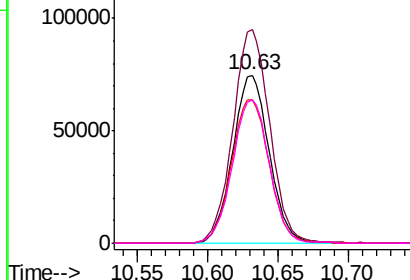
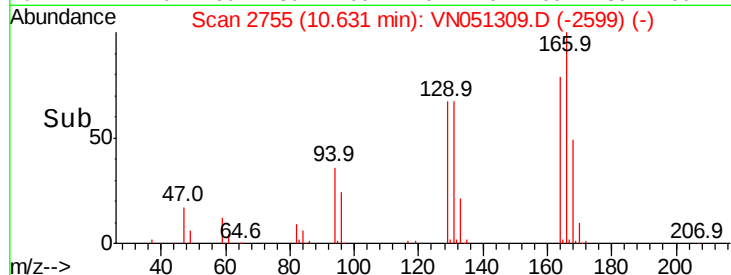


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 21.604 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051309.D

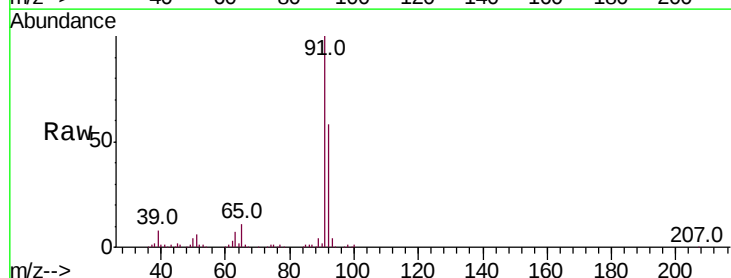
Acq: 19 Sep 2018 10:29

Tgt Ion: 91 Resp: 574958

Ion Ratio Lower Upper

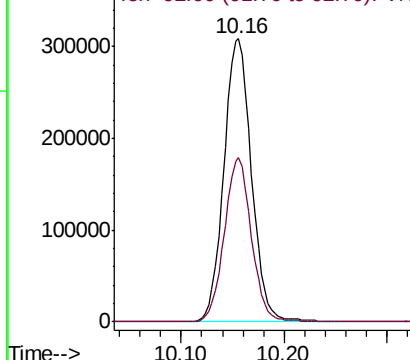
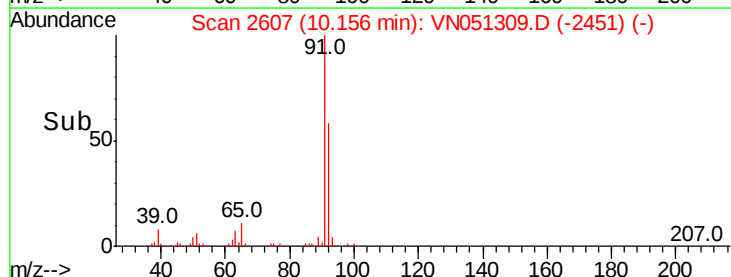
91 100

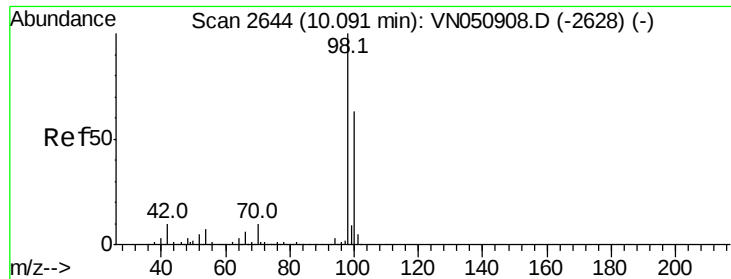
92 56.8 45.8 68.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 30.634 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051309.D

Acq: 19 Sep 2018 10:29

Instrument :

MSVOA_N

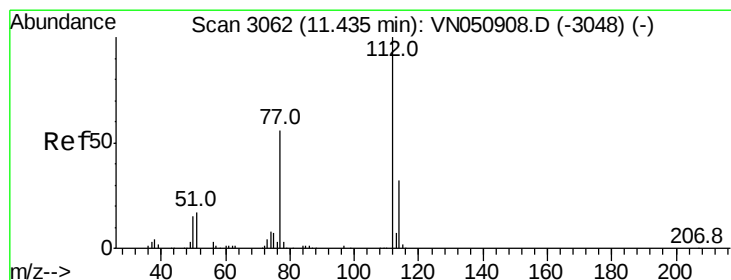
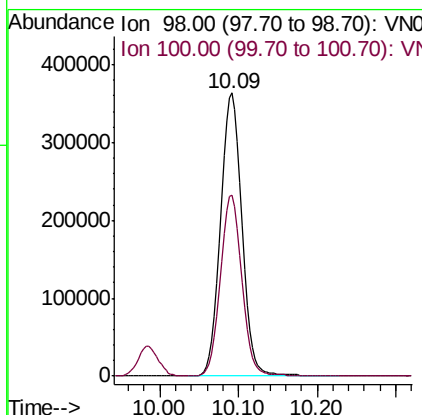
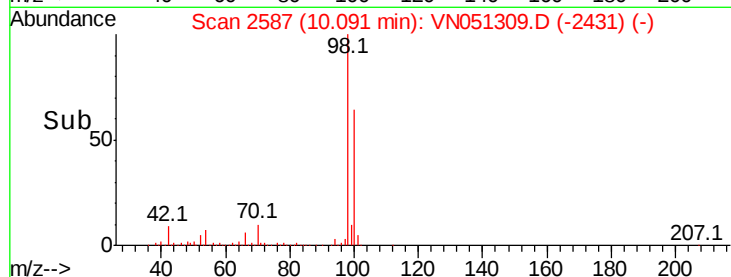
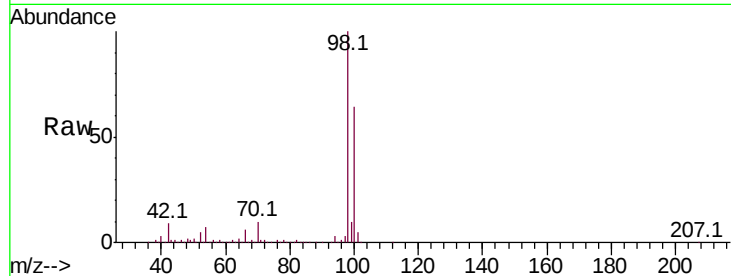
ClientSampled :

Tot Ion: 98 Resp: 681488

Ion Ratio Lower Upper

98 100

100 63.2 50.6 75.8



#64

Chlorobenzene

Concen: 21.643 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN051309.D

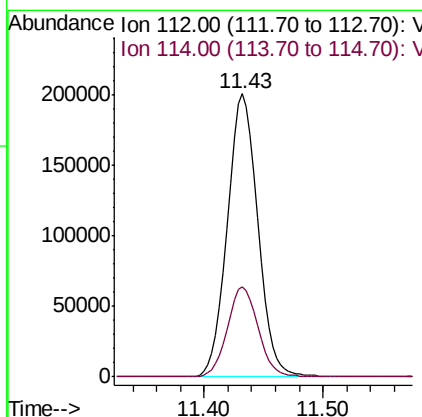
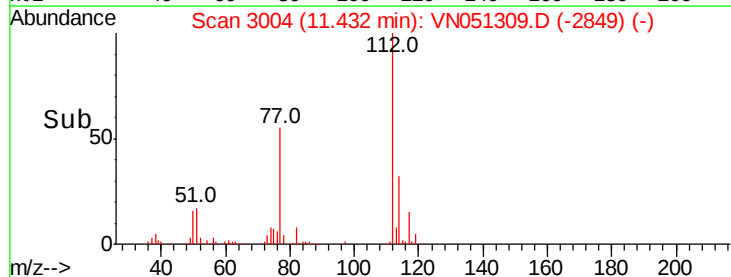
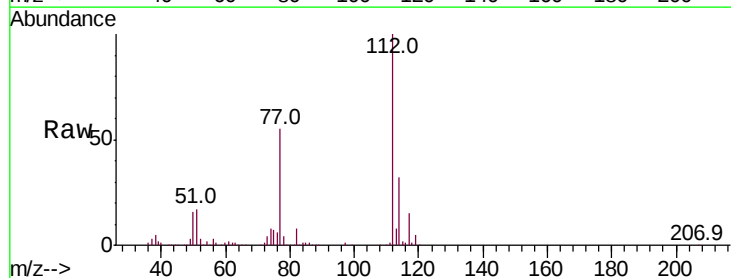
Acq: 19 Sep 2018 10:29

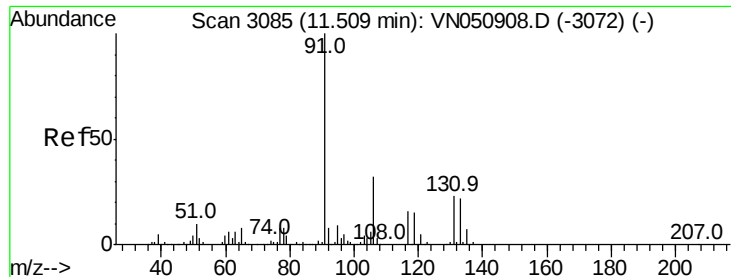
Tgt Ion: 112 Resp: 356981

Ion Ratio Lower Upper

112 100

114 31.9 25.5 38.3





#65

1,1,1,2-Tetrachloroethane

Concen: 22.362 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN051309.D

Acq: 19 Sep 2018 10:29

Instrument :

MSVOA_N

ClientSampled :

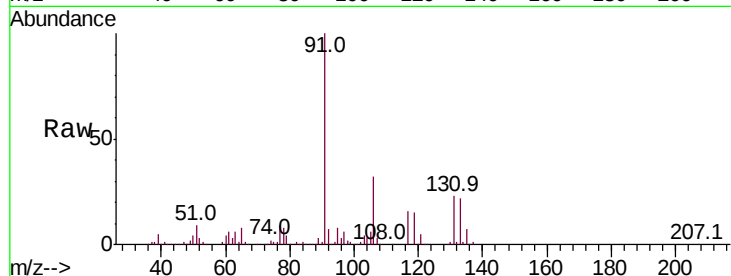
Tot Ion:131 Resp: 139263

Ion Ratio Lower Upper

131 100

133 94.4 0.0 189.4

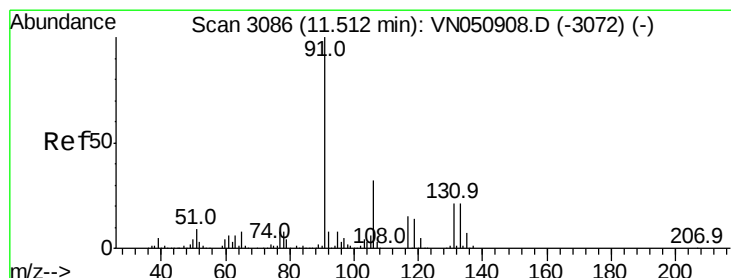
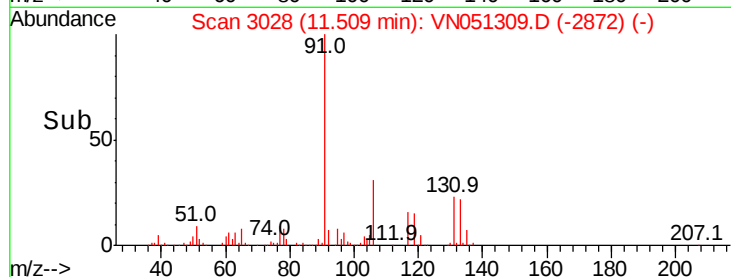
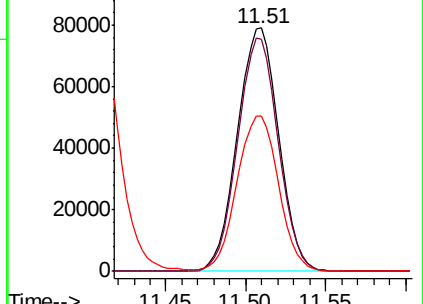
119 64.4 0.0 132.2



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: 21.006 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN051309.D

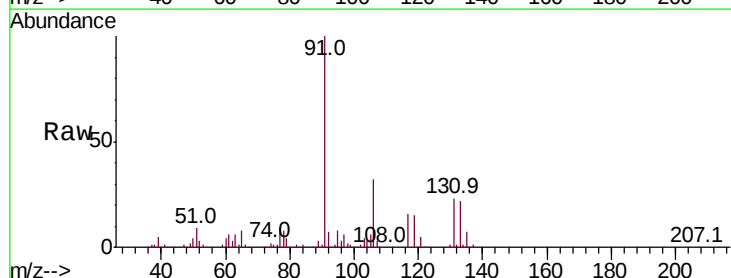
Acq: 19 Sep 2018 10:29

Tgt Ion: 91 Resp: 579074

Ion Ratio Lower Upper

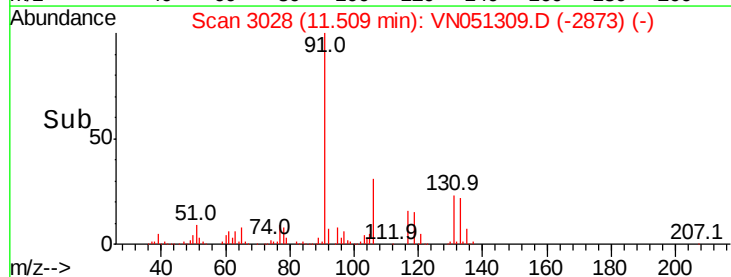
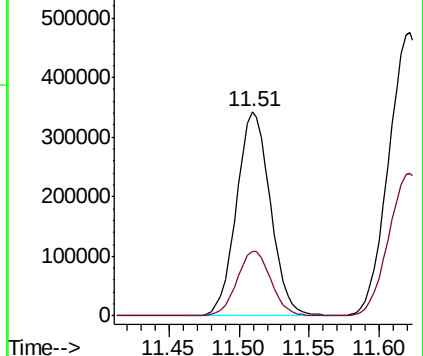
91 100

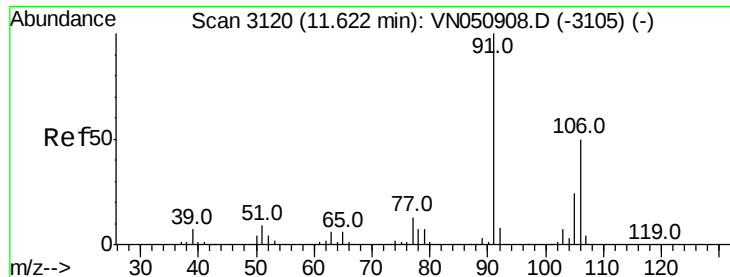
106 31.8 25.7 38.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

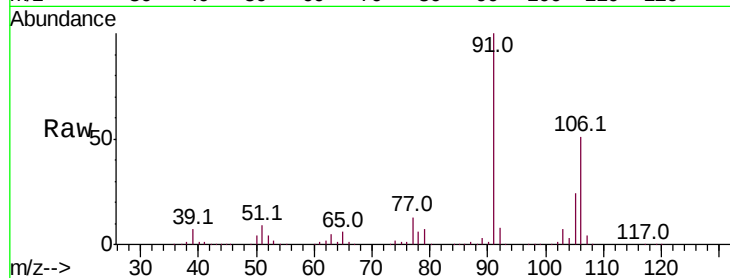




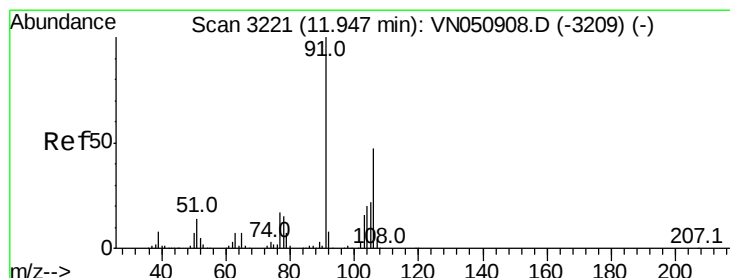
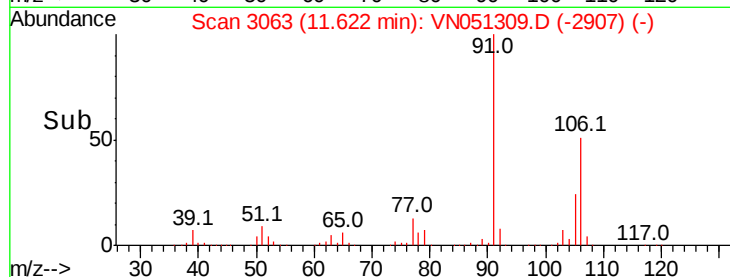
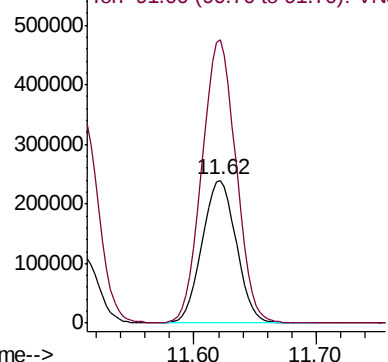
#67
m/p-Xvlenes
Concen: 44.097 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN051309.D
Acq: 19 Sep 2018 10:29

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:106 Resp: 467726
Ion Ratio Lower Upper
106 100
91 197.6 160.6 241.0

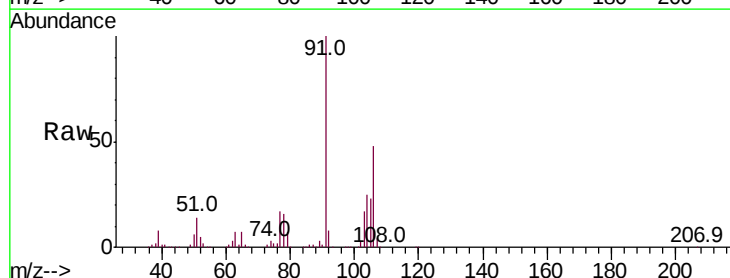


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

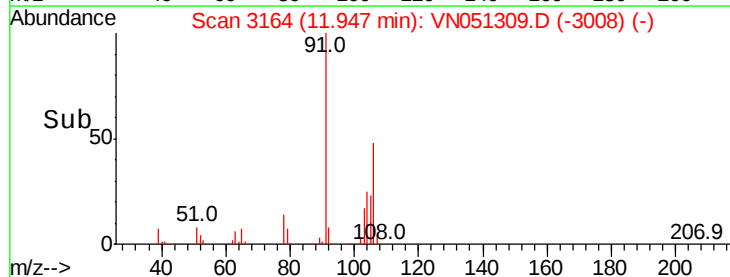
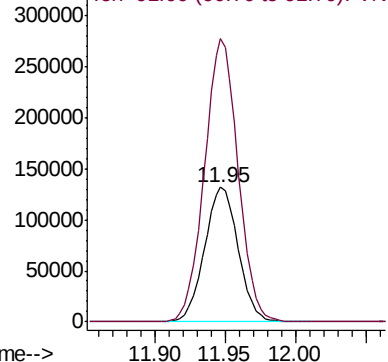


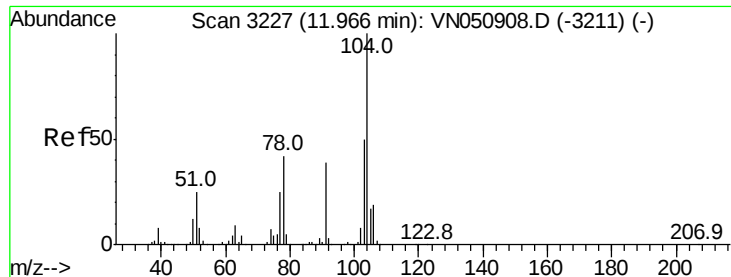
#68
o-Xylene
Concen: 21.741 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051309.D
Acq: 19 Sep 2018 10:29

Tgt Ion:106 Resp: 220339
Ion Ratio Lower Upper
106 100
91 209.6 106.4 319.2



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

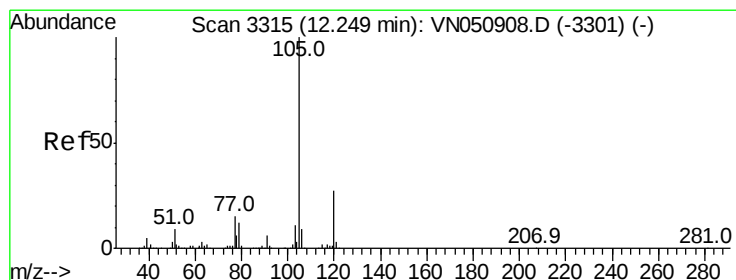
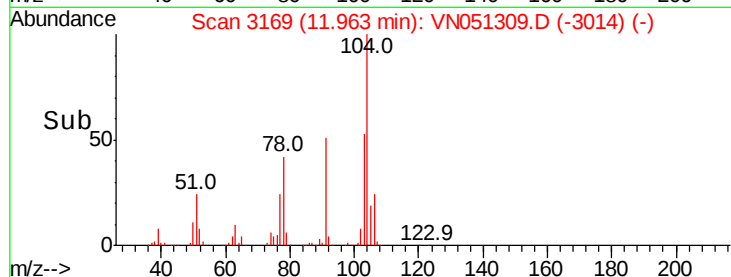
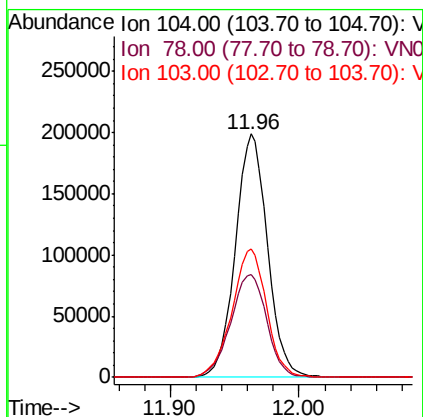
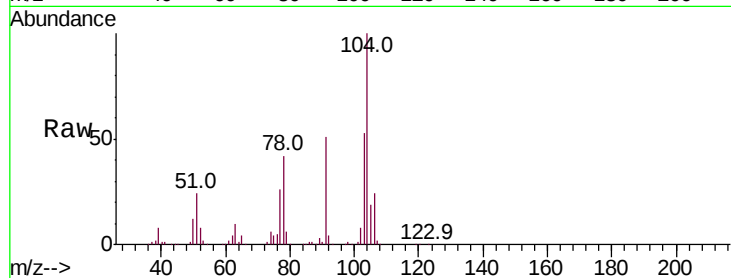




#69
Stvrene
Concen: 21.345 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051309.D
Acq: 19 Sep 2018 10:29

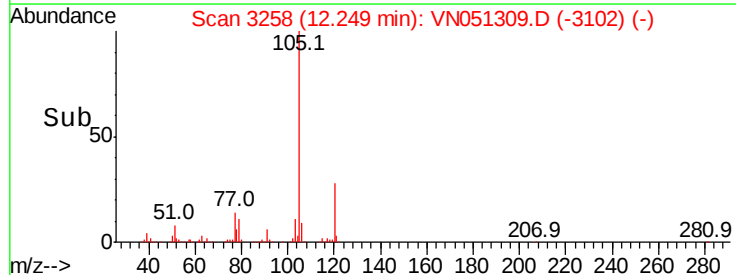
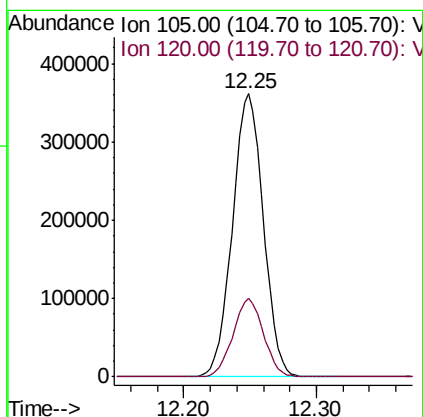
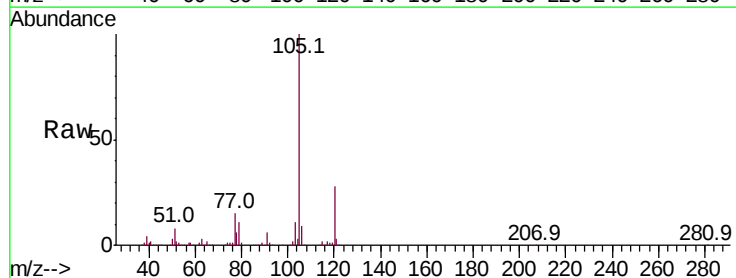
Instrument :
MSVOA_N
ClientSampleId :

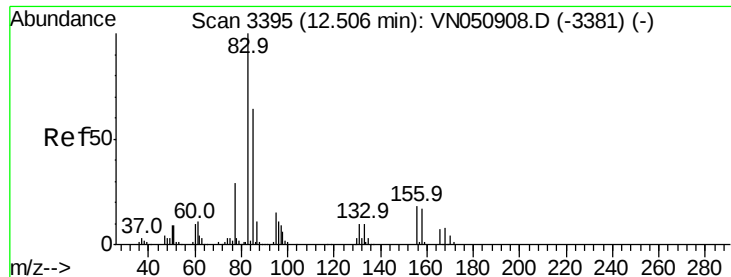
Tot Ion:104 Resp: 343942
Ion Ratio Lower Upper
104 100
78 47.5 38.6 58.0
103 56.8 45.4 68.2



#70
Isopropylbenzene
Concen: 21.666 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN051309.D
Acq: 19 Sep 2018 10:29

Tgt Ion:105 Resp: 583480
Ion Ratio Lower Upper
105 100
120 27.4 18.6 34.6

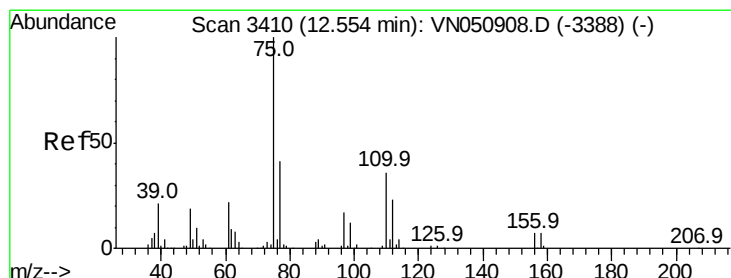
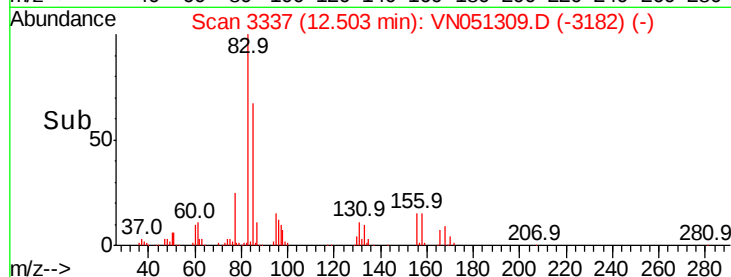
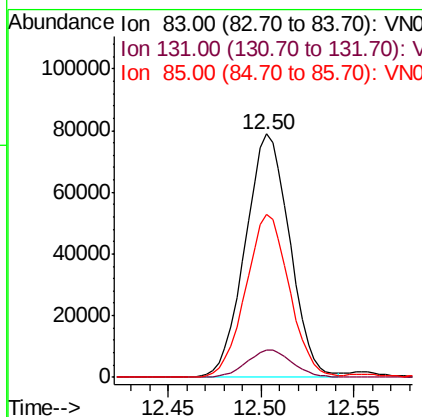
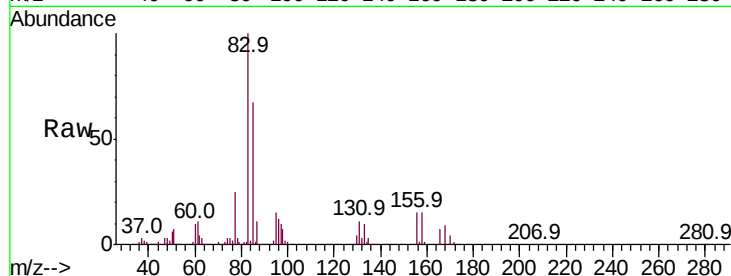




#71
 1,1,2,2-Tetrachloroethane
 Concen: 17.996 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN051309.D
 Acq: 19 Sep 2018 10:29

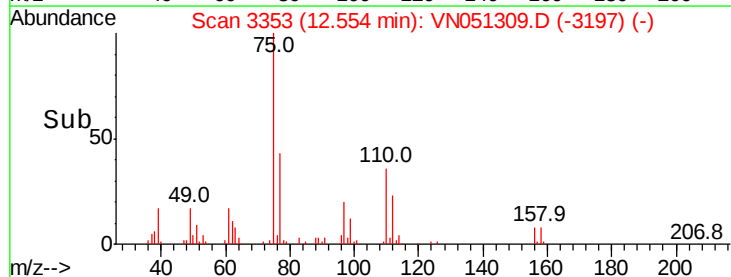
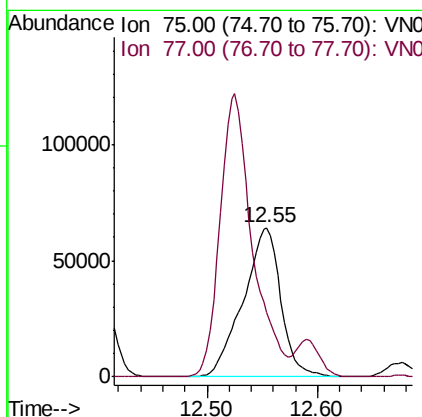
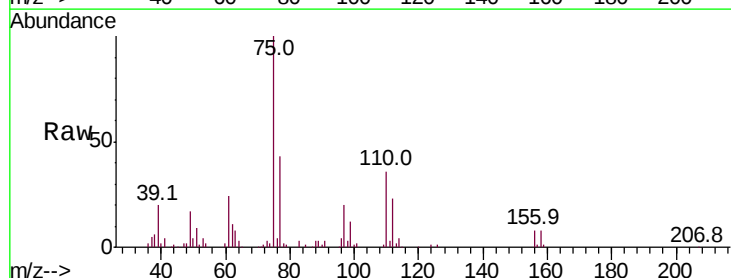
Instrument :
 MSVOA_N
 ClientSampled :

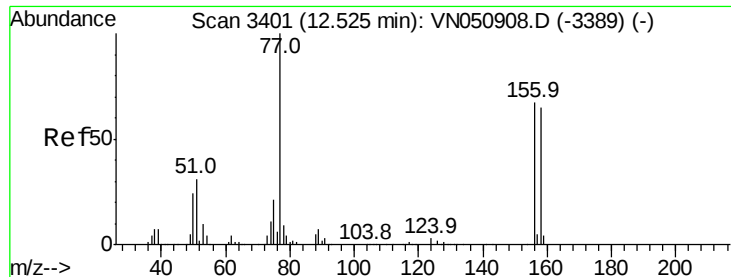
Tot Ion	83	Resp	131219
Ion	Ratio	Lower	Upper
83	100		
131	11.5	5.3	15.9
85	65.8	32.3	96.9



#72
 1,2,3-Trichloropropane
 Concen: 24.167 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN051309.D
 Acq: 19 Sep 2018 10:29

Tgt Ion	75	Resp	152026
Ion	Ratio	Lower	Upper
75	100		
77	162.9	0.0	301.6





#73

Bromobenzene

Concen: 21.002 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051309.D

Acq: 19 Sep 2018 10:29

Instrument :

MSVOA_N

ClientSampleId :

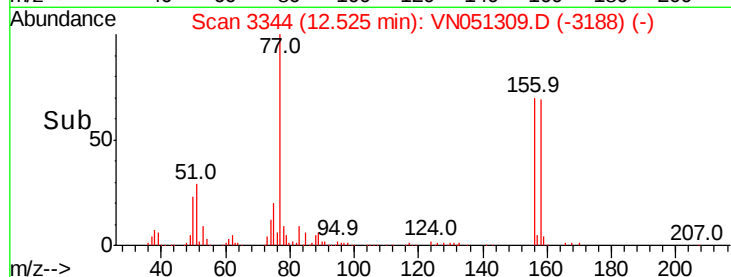
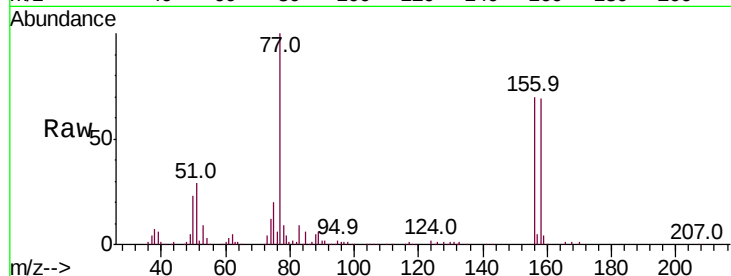
Tot Ion:156 Resp: 148809

Ion Ratio Lower Upper

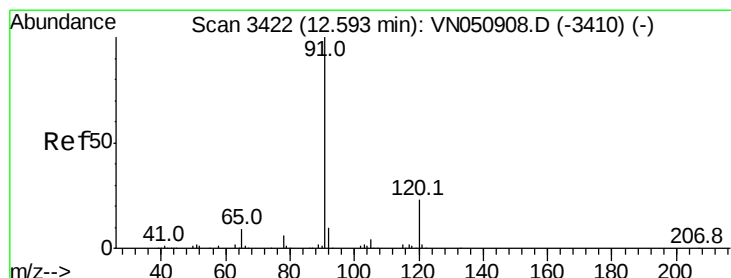
156 100

77 166.4 0.0 359.4

158 98.7 0.0 194.6



Time-->



#74

n-propylbenzene

Concen: 21.011 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN051309.D

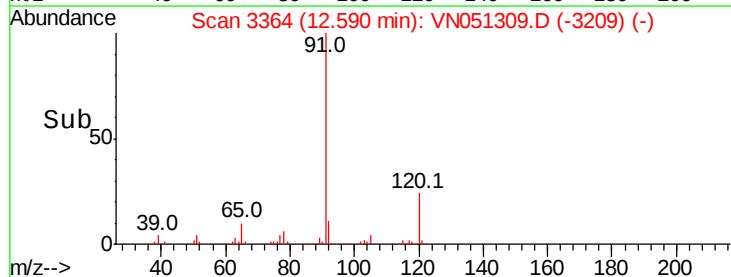
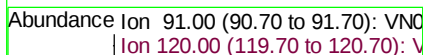
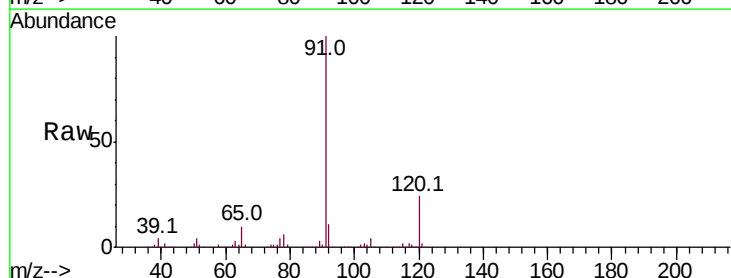
Acq: 19 Sep 2018 10:29

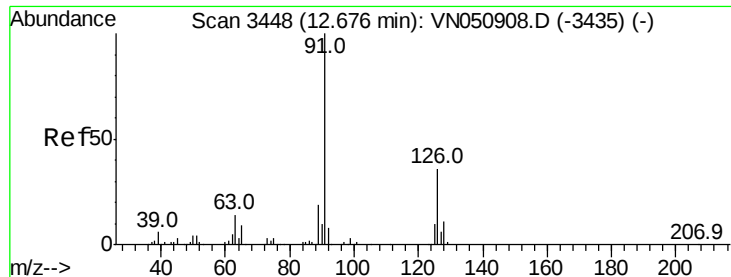
Tgt Ion: 91 Resp: 639727

Ion Ratio Lower Upper

91 100

120 24.1 0.0 46.0





#75

2-Chlorotoluene

Concen: 21.349 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051309.D

Acq: 19 Sep 2018 10:29

Instrument :

MSVOA_N

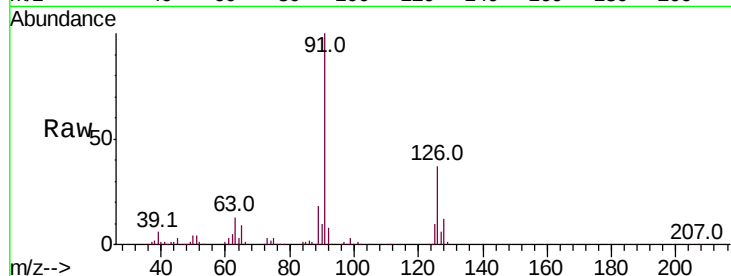
ClientSampleId :

Tot Ion: 91 Resp: 394885

Ion Ratio Lower Upper

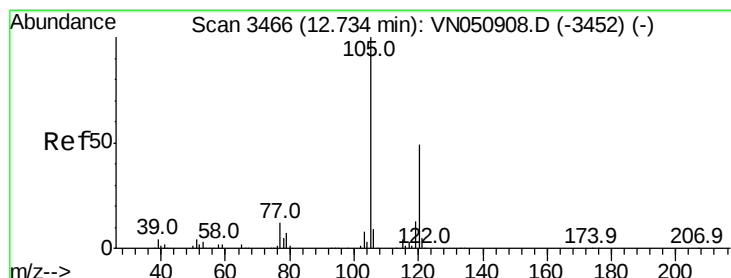
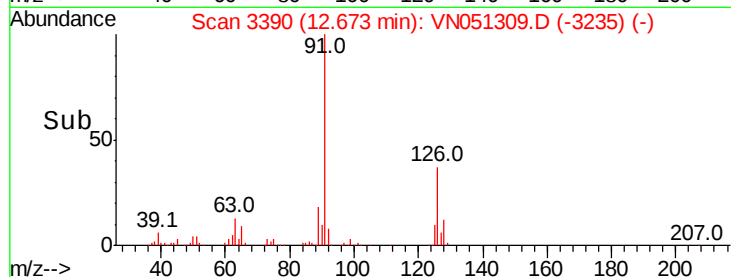
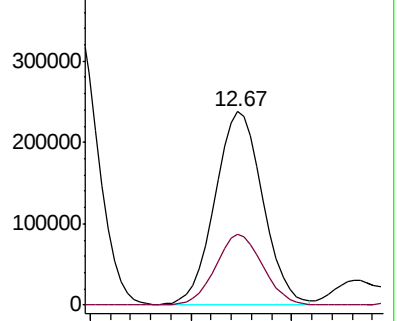
91 100

126 36.2 0.0 71.8



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

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



#76

1,3,5-Trimethylbenzene

Concen: 22.130 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051309.D

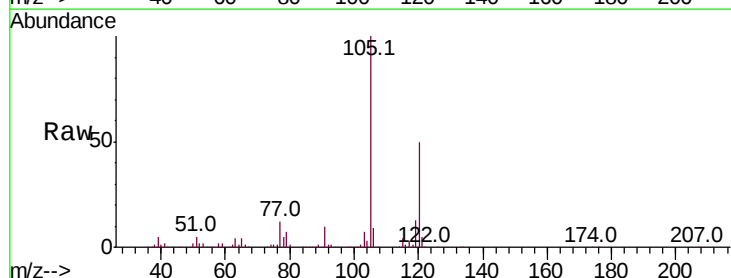
Acq: 19 Sep 2018 10:29

Tgt Ion:105 Resp: 487028

Ion Ratio Lower Upper

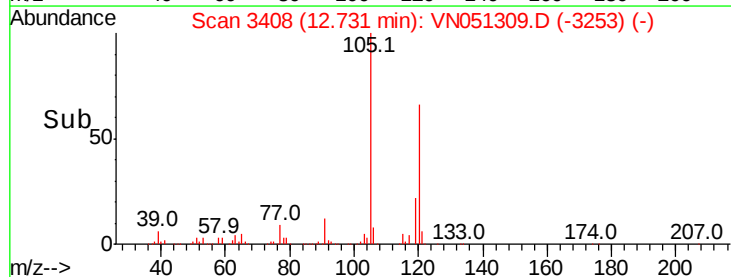
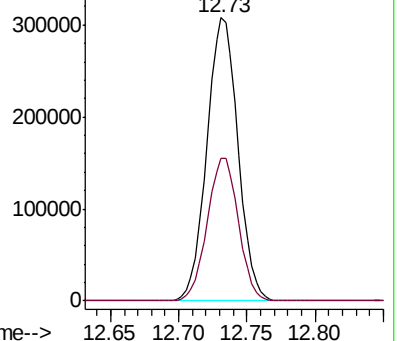
105 100

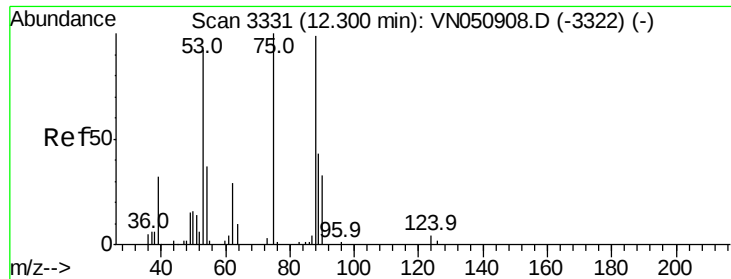
120 50.6 0.0 99.6



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

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





#77

t-1,4-Dichloro-2-butene

Concen: 16.330 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN051309.D

Acq: 19 Sep 2018 10:29

Instrument :

MSVOA_N

ClientSampleId :

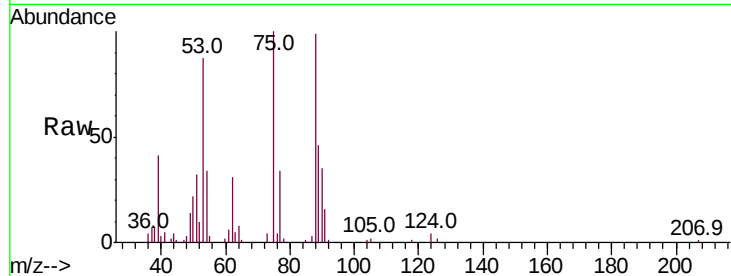
Tot Ion: 75 Resp: 29266

Ion Ratio Lower Upper

75 100

53 87.7 45.5 136.4

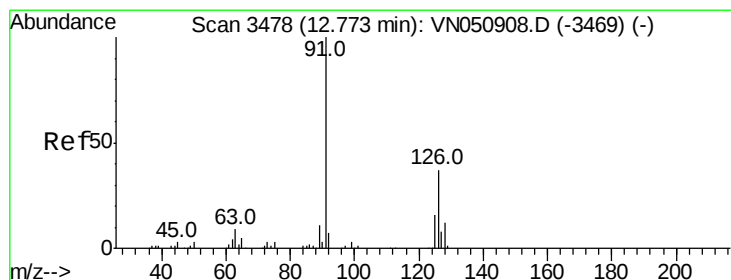
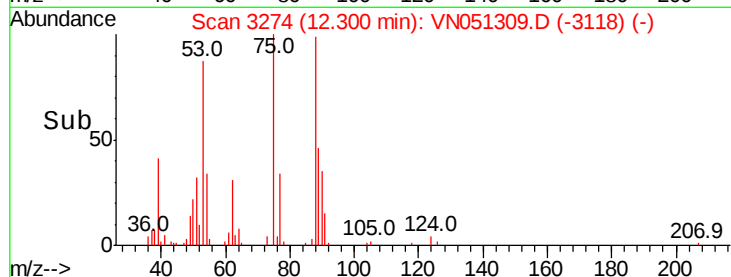
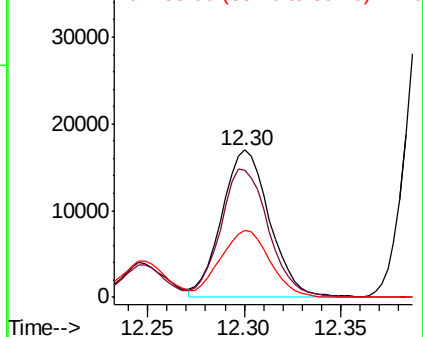
89 46.5 21.9 65.8



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: 20.657 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN051309.D

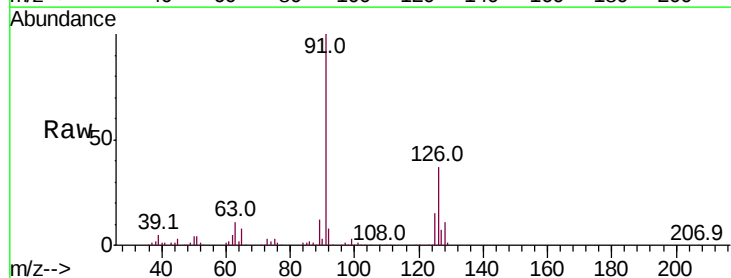
Acq: 19 Sep 2018 10:29

Tgt Ion: 91 Resp: 376226

Ion Ratio Lower Upper

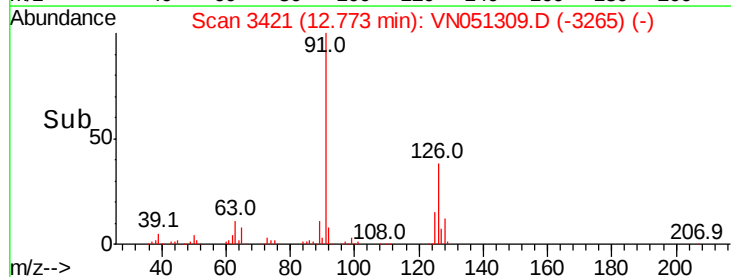
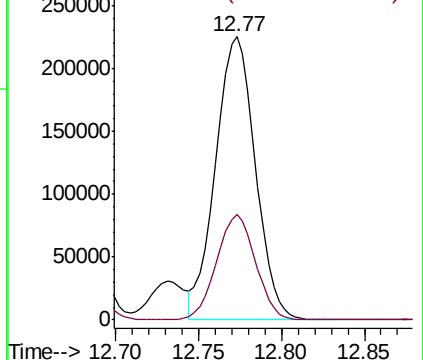
91 100

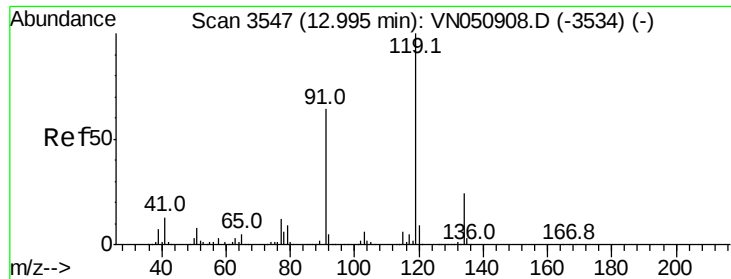
126 36.3 0.0 69.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

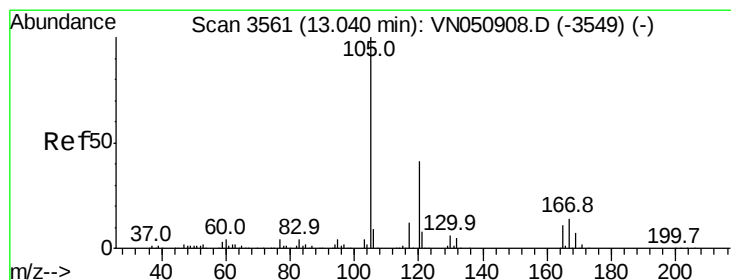
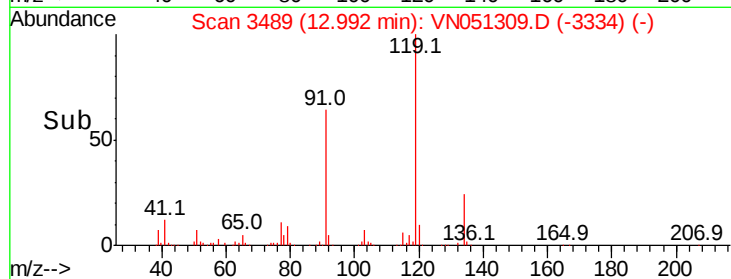
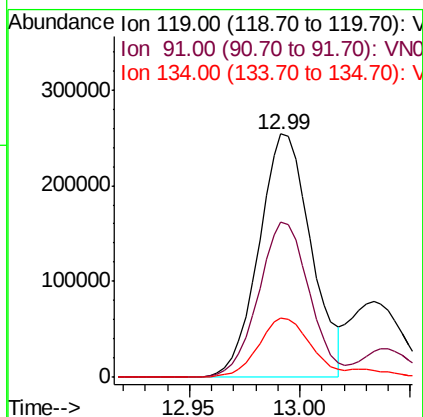
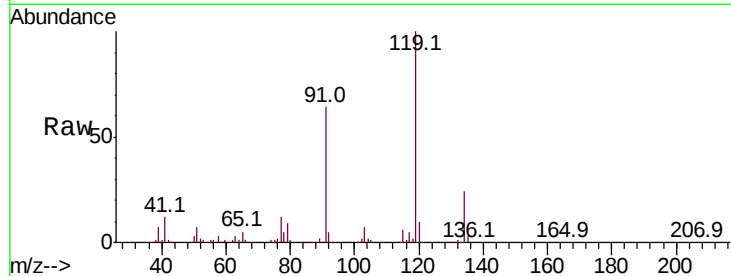




#79
tert-butylbenzene
Concen: 21.753 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN051309.D
Acq: 19 Sep 2018 10:29

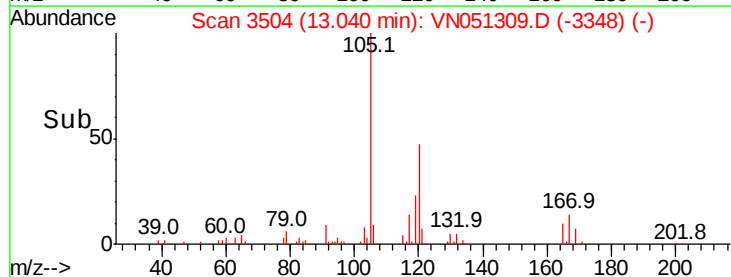
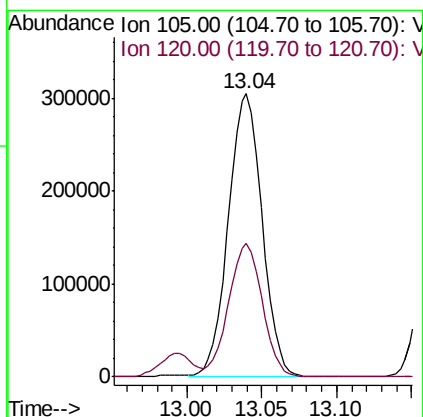
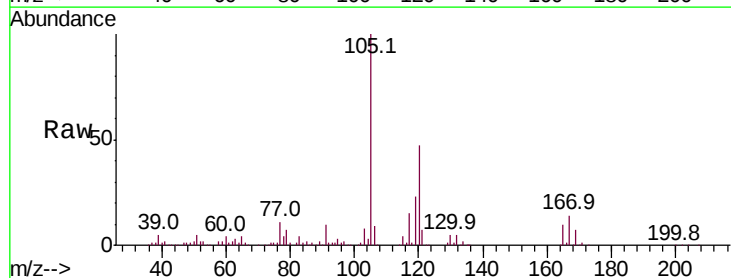
Instrument :
MSVOA_N
ClientSampleId :

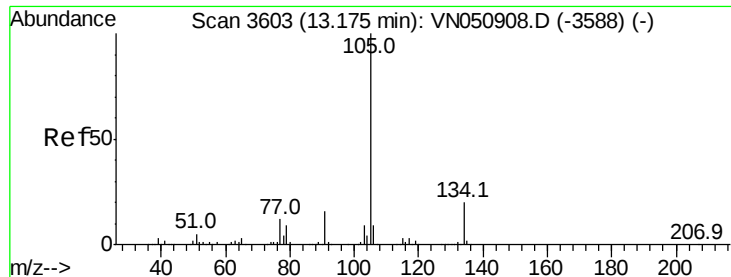
Tot Ion:119 Resp: 415770
Ion Ratio Lower Upper
119 100
91 62.1 0.0 125.6
134 24.4 0.0 48.4



#80
1,2,4-Trimethylbenzene
Concen: 21.824 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN051309.D
Acq: 19 Sep 2018 10:29

Tgt Ion:105 Resp: 478856
Ion Ratio Lower Upper
105 100
120 47.2 0.0 93.6





#81

sec-Butylbenzene

Concen: 21.591 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051309.D

Acq: 19 Sep 2018 10:29

Instrument :

MSVOA_N

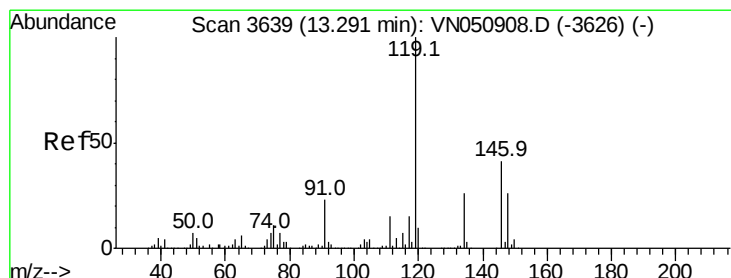
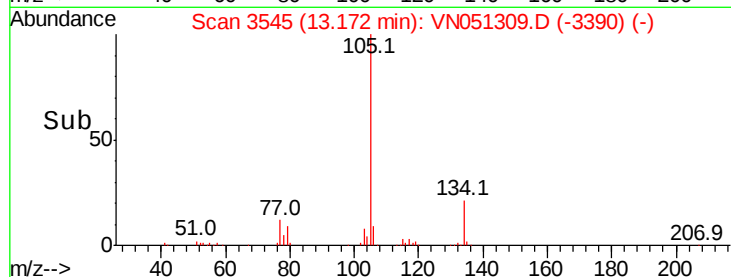
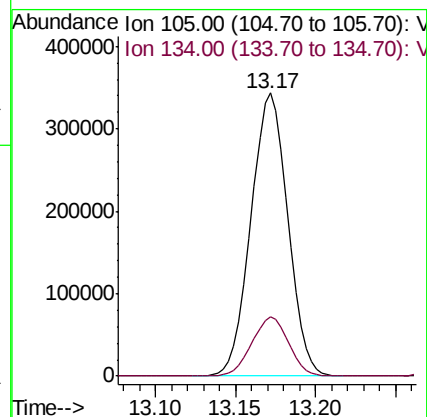
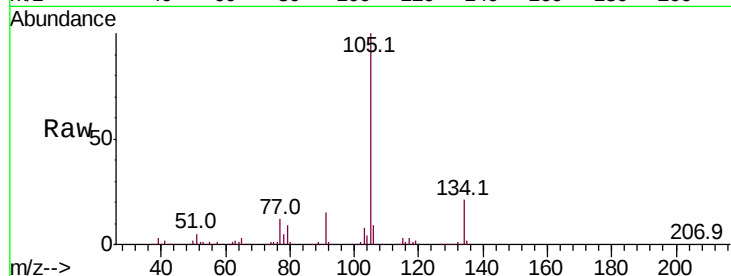
ClientSampled :

Tot Ion:105 Resp: 539926

Ion Ratio Lower Upper

105 100

134 21.0 0.0 40.8



#82

p-Isopropyltoluene

Concen: 21.651 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN051309.D

Acq: 19 Sep 2018 10:29

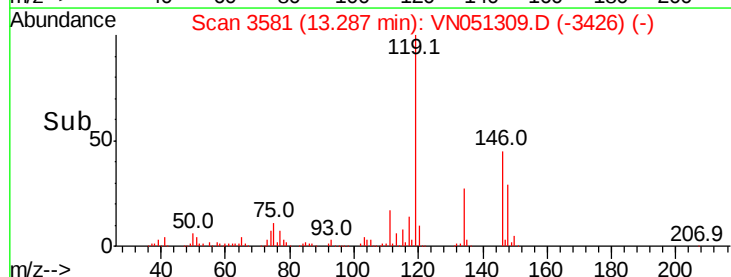
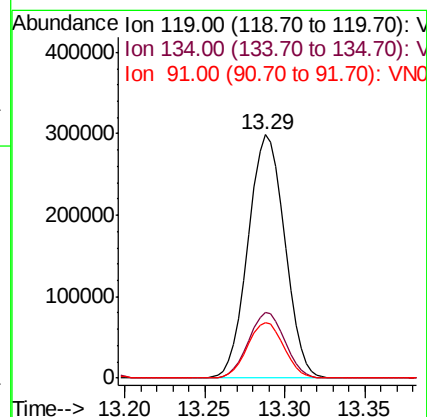
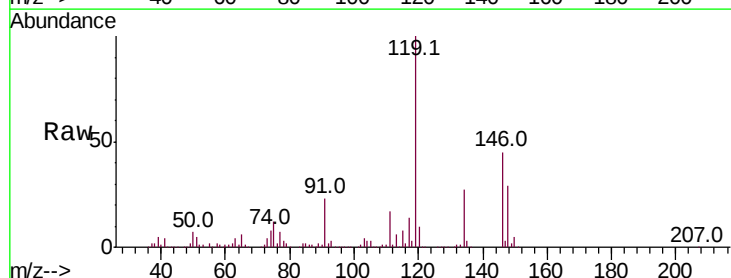
Tgt Ion:119 Resp: 467345

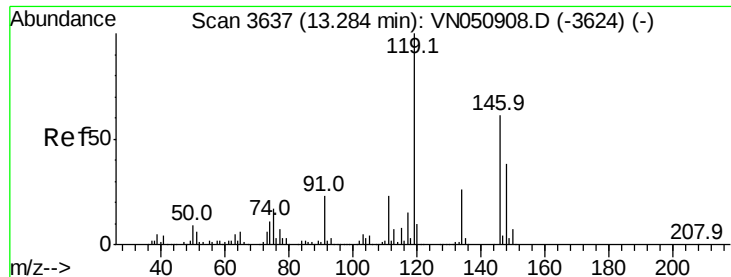
Ion Ratio Lower Upper

119 100

134 26.9 0.0 53.2

91 22.9 0.0 46.0





#83

1,3-Dichlorobenzene

Concen: 20.413 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN051309.D

Acq: 19 Sep 2018 10:29

Instrument :

MSVOA_N

ClientSampleId :

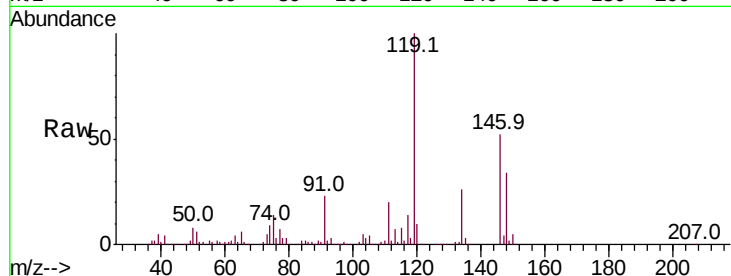
Tot Ion:146 Resp: 244543

Ion Ratio Lower Upper

146 100

111 38.0 18.6 55.6

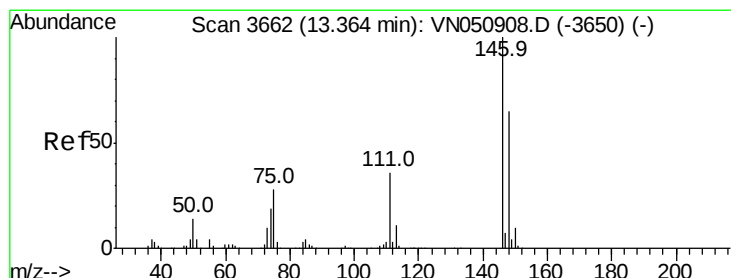
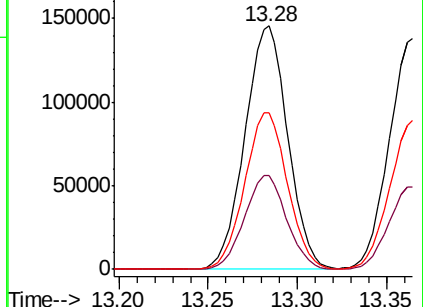
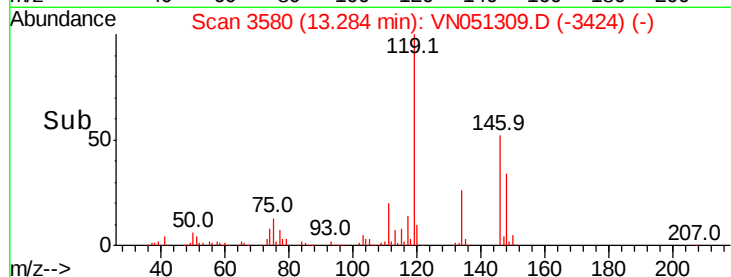
148 64.5 31.8 95.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#84

1,4-Dichlorobenzene

Concen: 20.305 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN051309.D

Acq: 19 Sep 2018 10:29

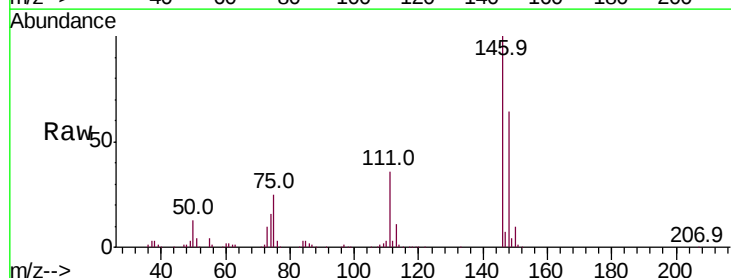
Tgt Ion:146 Resp: 230470

Ion Ratio Lower Upper

146 100

111 35.9 17.7 53.1

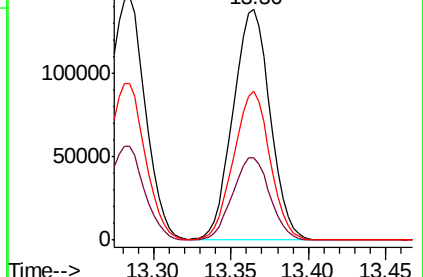
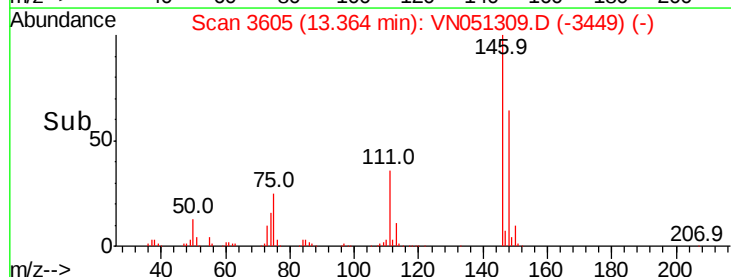
148 63.4 31.6 94.8

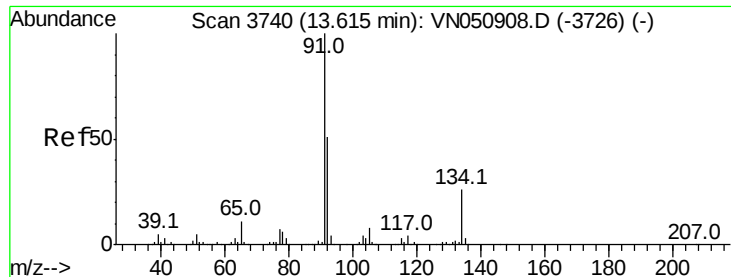


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

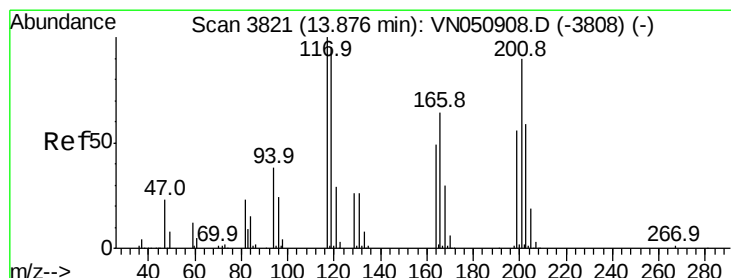
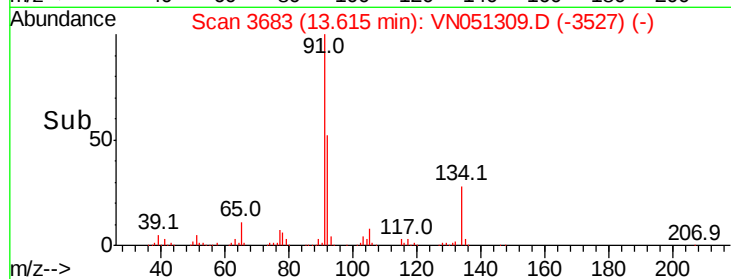
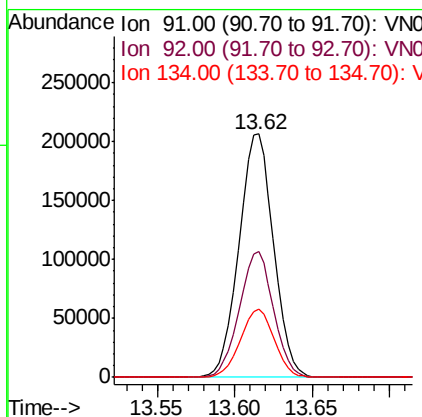
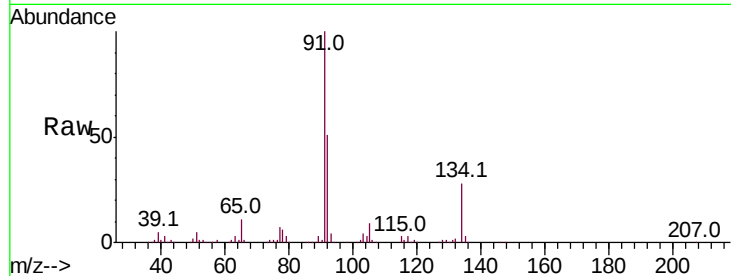




#85
n-Butylbenzene
Concen: 19.491 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051309.D
Acq: 19 Sep 2018 10:29

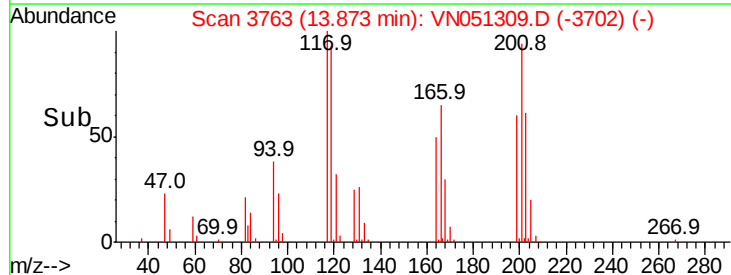
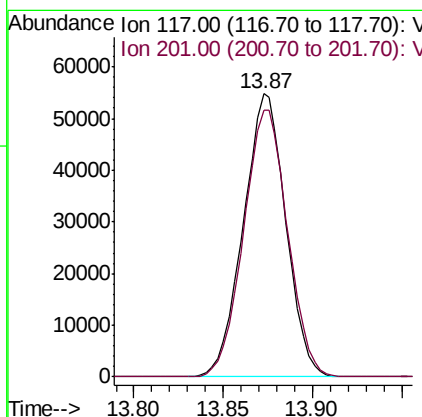
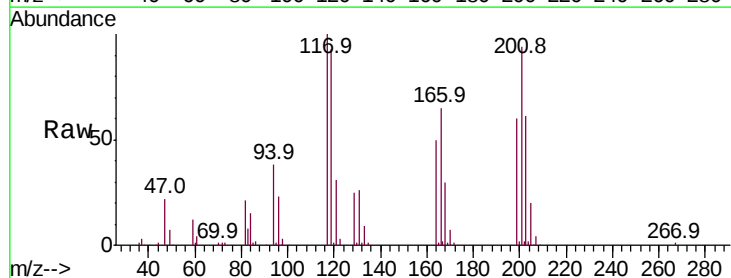
Instrument :
MSVOA_N
ClientSampleId :

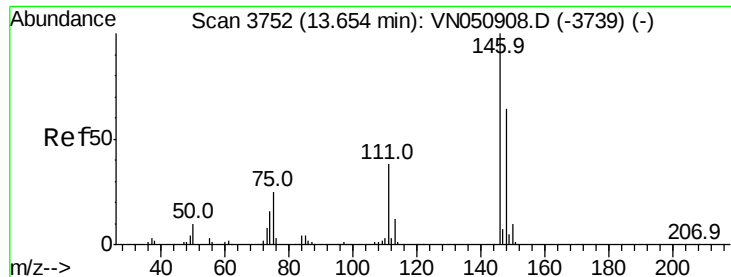
Tot Ion: 91 Resp: 321024
Ion Ratio Lower Upper
91 100
92 51.0 0.0 101.8
134 27.5 0.0 52.2



#86
Hexachloroethane
Concen: 21.977 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN051309.D
Acq: 19 Sep 2018 10:29

Tgt Ion: 117 Resp: 91053
Ion Ratio Lower Upper
117 100
201 97.6 45.8 137.4





#87

1,2-Dichlorobenzene

Concen: 20.305 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN051309.D

Acq: 19 Sep 2018 10:29

Instrument :

MSVOA_N

ClientSampleId :

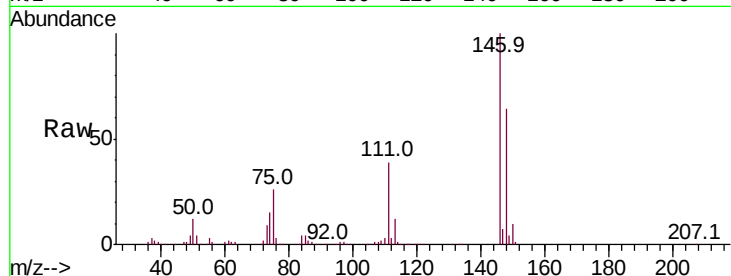
Tot Ion:146 Resp: 239422

Ion Ratio Lower Upper

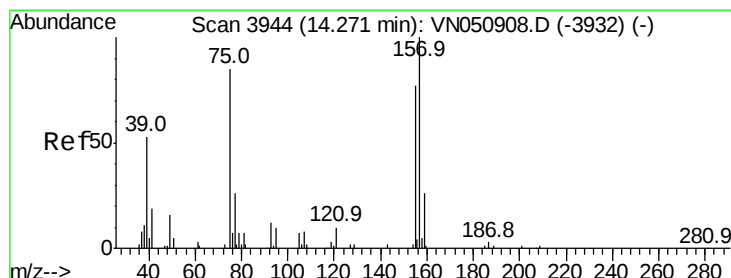
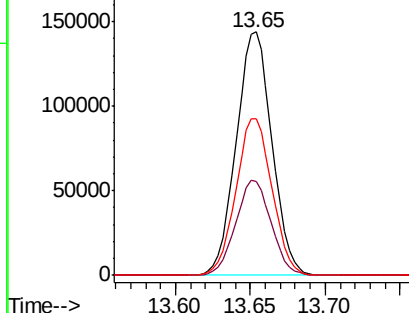
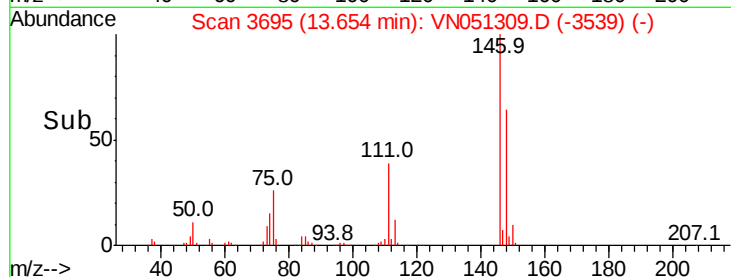
146 100

111 38.7 19.1 57.1

148 64.9 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: 16.376 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN051309.D

Acq: 19 Sep 2018 10:29

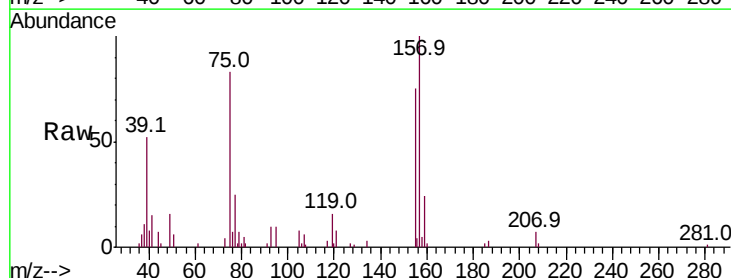
Tgt Ion: 75 Resp: 16705

Ion Ratio Lower Upper

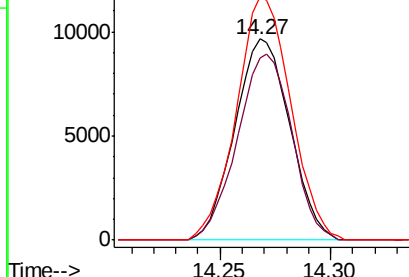
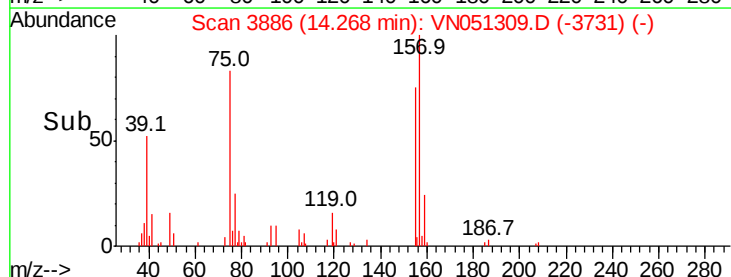
75 100

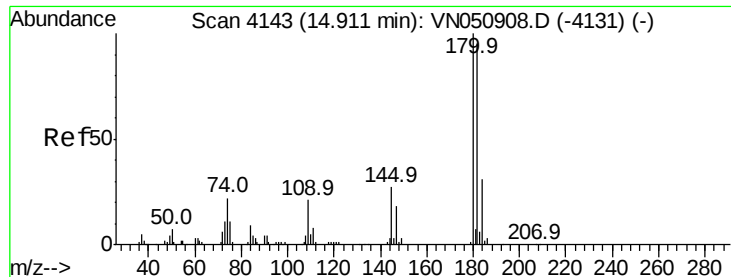
155 91.3 71.8 107.6

157 119.6 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

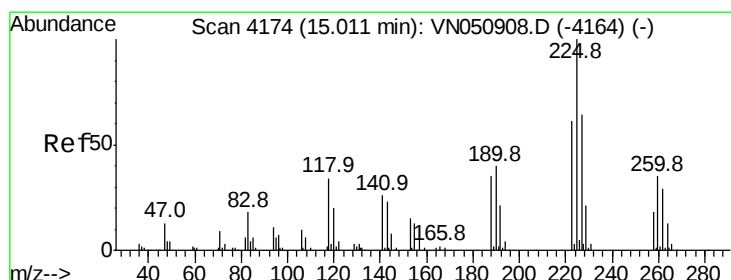
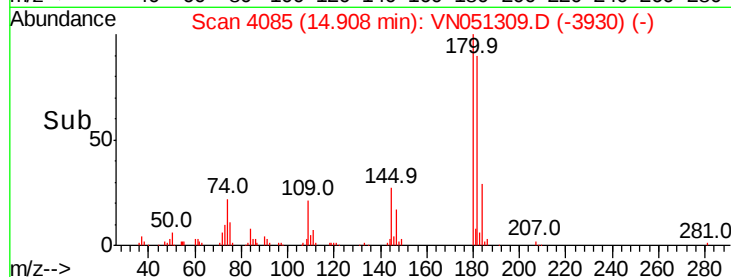
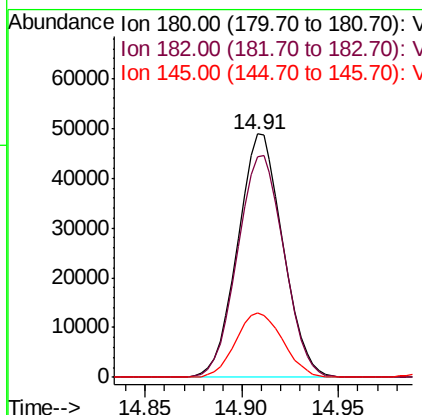
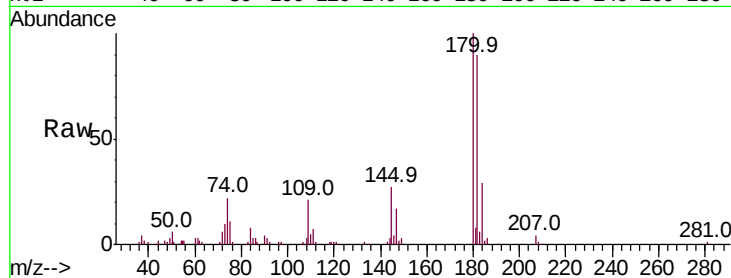




#89
 1,2,4-Trichlorobenzene
 Concen: 15.124 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051309.D
 Acq: 19 Sep 2018 10:29

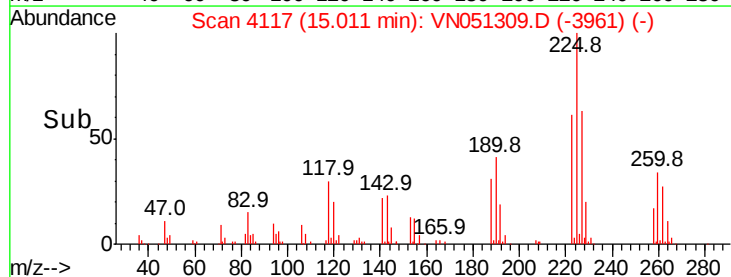
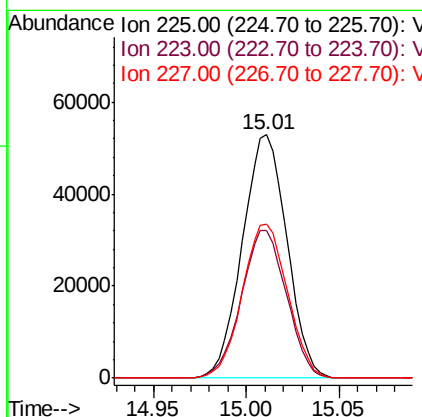
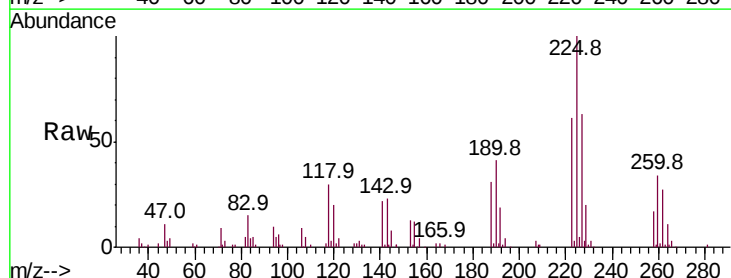
Instrument :
 MSVOA_N
 ClientSampleId :

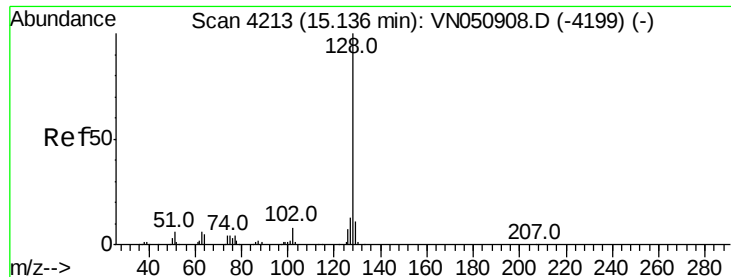
Tot Ion:180 Resp: 79389
 Ion Ratio Lower Upper
 180 100
 182 93.7 76.2 114.4
 145 27.5 22.2 33.4



#90
 Hexachlorobutadiene
 Concen: 24.752 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN051309.D
 Acq: 19 Sep 2018 10:29

Tgt Ion:225 Resp: 88277
 Ion Ratio Lower Upper
 225 100
 223 61.4 0.0 127.8
 227 64.0 0.0 128.4





#91

Naphthalene

Concen: 16.339 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051309.D

Acq: 19 Sep 2018 10:29

Instrument :

MSVOA_N

ClientSampleId :

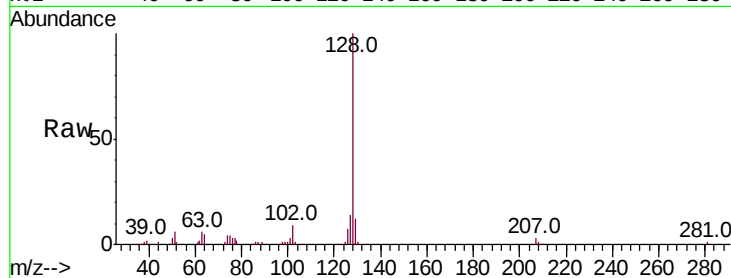
Tot Ion:128 Resp: 127357

Ion Ratio Lower Upper

128 100

127 13.5 10.6 16.0

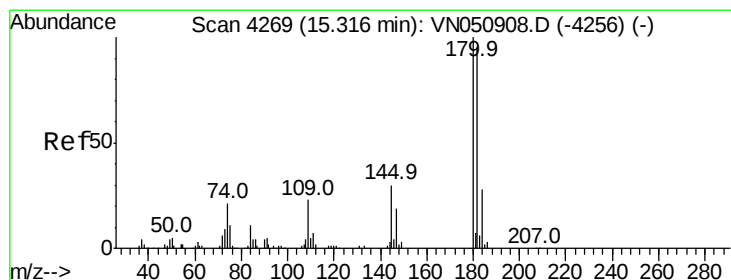
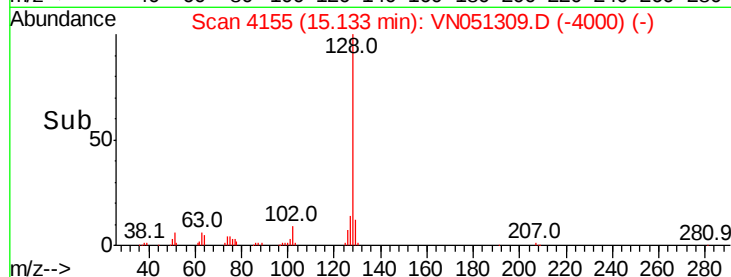
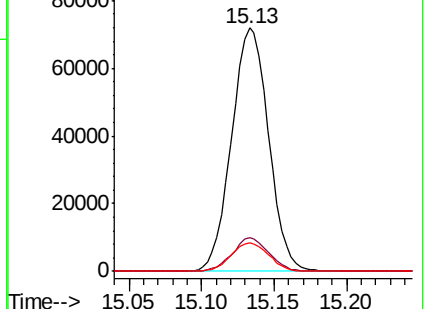
129 11.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 16.222 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN051309.D

Acq: 19 Sep 2018 10:29

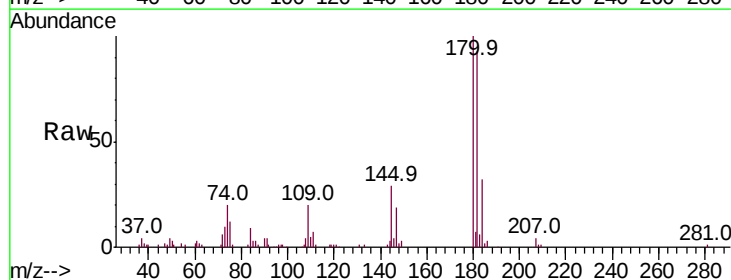
Tgt Ion:180 Resp: 85450

Ion Ratio Lower Upper

180 100

182 93.9 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

