

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091818\
 Data File : VN051295.D
 Acq On : 18 Sep 2018 14:11
 Operator : MD\SY
 Sample : VN0918WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 18 14:56:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 29 01:38:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	63524	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	735917	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	658901	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	297407	73.37	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	244.57%#
60) 4-Bromofluorobenzene	12.40	95	324411	33.11	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	110.37%
63) Toluene-d8	10.09	98	1077022	35.05	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	116.83%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	98483	24.964	ug/l 98
3) Chloromethane	2.06	50	132665	28.479	ug/l 98
4) Vinyl Chloride	2.18	62	136163	29.583	ug/l 99
5) Bromomethane	2.57	94	77128	27.491	ug/l 97
6) Chloroethane	2.70	64	80120	29.512	ug/l 92
7) Trichlorofluoromethane	3.01	101	184741	30.276	ug/l 98
8) Diethyl Ether	3.42	74	60377	28.065	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	3.76	101	111936	29.624	ug/l 97
10) 1,1-Dichloroethene	3.74	96	104249	30.371	ug/l 97
11) Methyl Iodide	3.95	142	94157	29.400	ug/l 99
12) Methyl Acetate	4.33	43	83494	21.036	ug/l 99
13) Acrolein	3.61	56	39060	444.427	ug/l 94
14) Acrylonitrile	4.99	53	171236	127.600	ug/l 98
15) Acetone	3.82	58	42700	124.345	ug/l 92
16) Carbon Disulfide	4.05	76	307532	29.798	ug/l 100
17) Allyl chloride	4.33	41	146915	27.202	ug/l 97
18) Methylene Chloride	4.55	84	120798	29.983	ug/l 98
19) trans-1,2-Dichloroethene	5.04	96	110218	30.138	ug/l 99
20) Diisopropyl ether	5.96	45	323799	28.883	ug/l 97
21) 1,1-Dichloroethane	5.85	63	198839	28.928	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	122452	29.642	ug/l 100
23) tert-Butyl Alcohol	4.80	59	33800	118.432	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	259646	27.657	ug/l 99
25) Chloroform	7.37	83	207701	30.275	ug/l 99
26) Cyclohexane	7.66	56	173163	30.407	ug/l # 94
29) 1,1-Dichloropropene	7.80	75	153335	13.917	ug/l 97
30) 2-Butanone	6.84	43	179182	52.867	ug/l 99
31) 2,2-Dichloropropane	6.83	77	152850	14.258	ug/l 99
32) 1,1,1-Trichloroethane	7.57	97	178932	14.322	ug/l 98
33) Carbon Tetrachloride	7.78	117	160701	14.283	ug/l 98
34) Benzene	8.04	78	476854	13.991	ug/l 96
35) Methacrylonitrile	7.18	41	35800	9.641	ug/l 92
36) 1,2-Dichloroethane	8.13	62	140312	13.612	ug/l 99
37) Trichloroethene	8.84	130	130745	14.677	ug/l 95
38) Methylcyclohexane	9.08	83	161767	13.671	ug/l 98
39) 1,2-Dichloropropane	9.12	63	121823	13.686	ug/l 99
40) Dibromomethane	9.21	93	72996	13.613	ug/l 98

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

41) Bromodichloromethane	9.40	83	155608	13.766	ug/l	98
42) Vinyl Acetate	5.90	43	1008239	64.583	ug/l	98
43) Ethyl Acetate	6.93	43	82839	11.931	ug/l #	92
44) Isopropyl Acetate	8.17	43	147022	12.000	ug/l	96
45) 1,4-Dioxane	9.20	88	20904	229.685	ug/l	97
46) Methyl methacrylate	9.20	41	69098	11.261	ug/l	96
47) n-amyl Acetate	12.07	43	97611	9.910	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	144348	13.028	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	173304	13.616	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	105788	13.578	ug/l	98
51) Ethyl methacrylate	10.43	69	114417	12.003	ug/l	96
52) 1,3-Dichloropropane	10.71	76	174135	13.493	ug/l	100
53) Dibromochloromethane	10.90	129	120871	13.643	ug/l	100
54) 1,2-Dibromoethane	11.01	107	102261	13.274	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	245818	61.976	ug/l	98
56) Bromoform	12.13	173	81790	12.981	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	404533	53.660	ug/l	98
59) 2-Hexanone	10.75	43	241168	48.941	ug/l	99
61) Tetrachloroethene	10.63	164	122348	14.901	ug/l	99
62) Toluene	10.16	91	510910	13.899	ug/l	100
64) Chlorobenzene	11.43	112	315717	13.858	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	121985	14.181	ug/l	99
66) Ethyl Benzene	11.51	91	508386	13.352	ug/l	99
67) m/p-Xylenes	11.62	106	407338	27.804	ug/l	98
68) o-Xylene	11.95	106	194187	13.872	ug/l	98
69) Styrene	11.96	104	301824	13.561	ug/l	99
70) Isopropylbenzene	12.25	105	503522	13.537	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.50	83	127941	12.704	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	139719	16.080	ug/l	92
73) Bromobenzene	12.53	156	134045	13.697	ug/l	94
74) n-propylbenzene	12.59	91	550970	13.101	ug/l	98
75) 2-Chlorotoluene	12.68	91	341692	13.374	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	416342	13.697	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	26266	10.611	ug/l	96
78) 4-Chlorotoluene	12.77	91	327177	13.006	ug/l	100
79) tert-butylbenzene	12.99	119	359280	13.610	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	412999	13.627	ug/l	100
81) sec-Butylbenzene	13.17	105	463463	13.418	ug/l	98
82) p-Isopropyltoluene	13.29	119	392978	13.181	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	213461	12.901	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	202783	12.934	ug/l	97
85) n-Butylbenzene	13.62	91	265809	11.684	ug/l	99
86) Hexachloroethane	13.87	117	74909	13.090	ug/l	93
87) 1,2-Dichlorobenzene	13.65	146	210214	12.907	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	15578	11.056	ug/l	93
89) 1,2,4-Trichlorobenzene	14.91	180	64599	8.910	ug/l	98
90) Hexachlorobutadiene	15.01	225	73392	14.899	ug/l	98
91) Naphthalene	15.13	128	114425	13.627	ug/l	100
92) 1,2,3-Trichlorobenzene	15.32	180	70493	9.689	ug/l	100

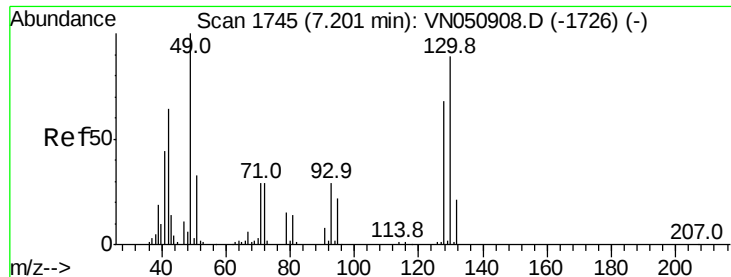
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VN051295.D

Acq: 18 Sep 2018 14:11

Instrument :
MSVOA_N
ClientSampleId :

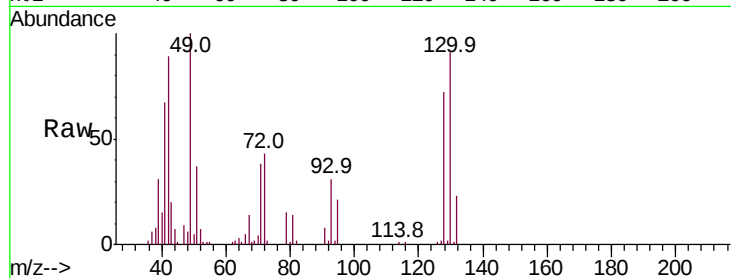
Tot Ion:128 Resp: 63524

Ion Ratio Lower Upper

128 100

49 139.2 0.0 380.3

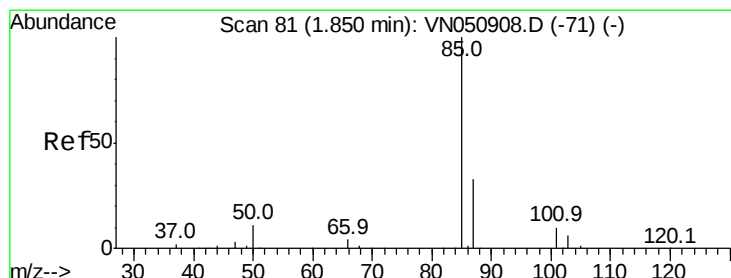
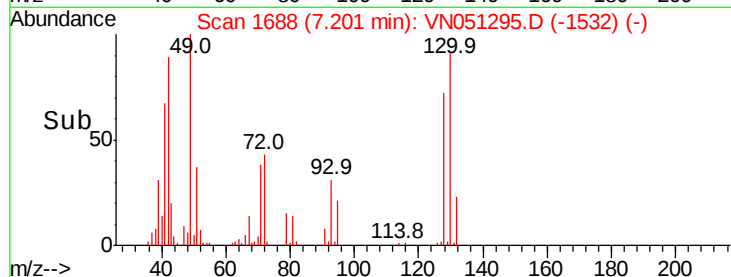
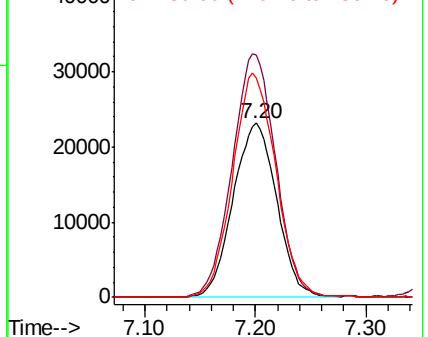
130 127.5 0.0 325.3



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: 24.964 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051295.D

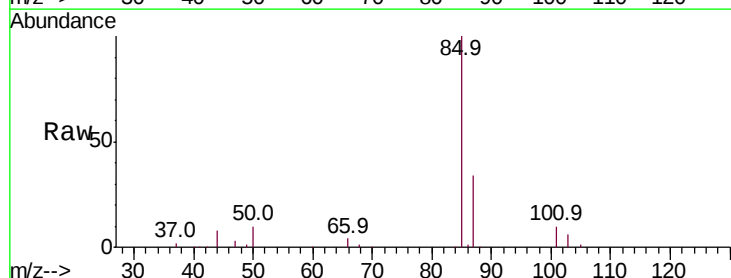
Acq: 18 Sep 2018 14:11

Tgt Ion: 85 Resp: 98483

Ion Ratio Lower Upper

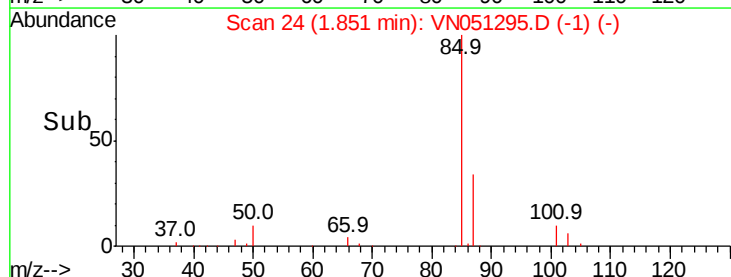
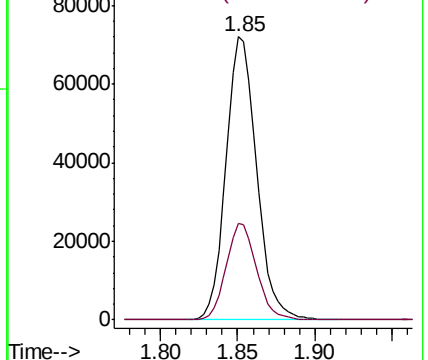
85 100

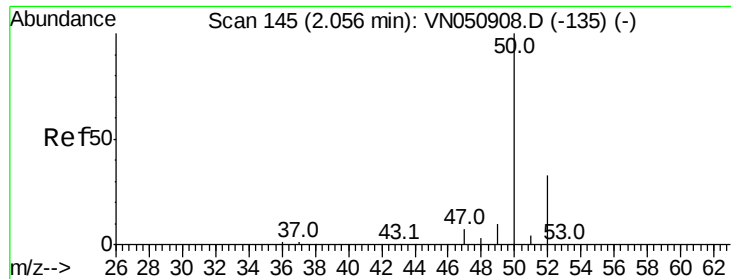
87 33.9 16.4 49.1



Abundance Ion 85.00 (84.70 to 85.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

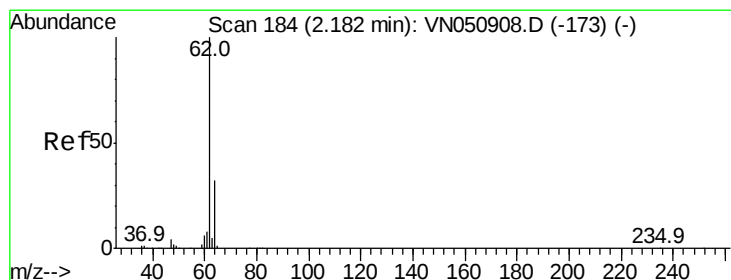
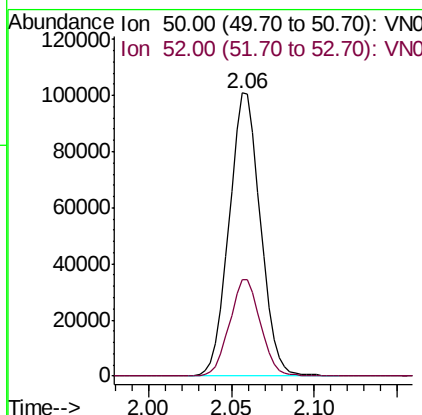
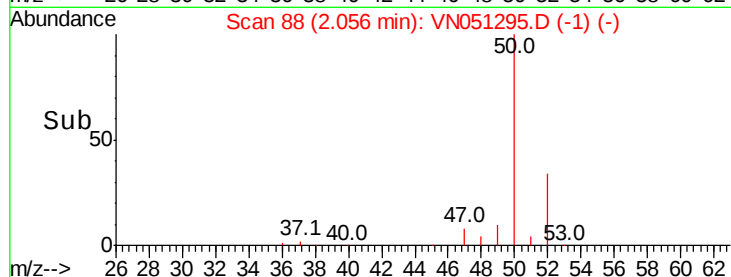
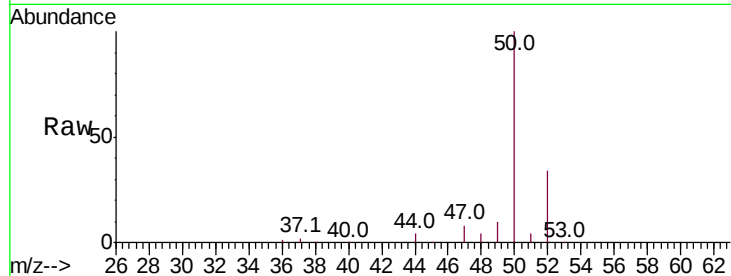




#3
Chloromethane
Concen: 28.479 ug/l
RT: 2.06 min Scan# 88
Delta R.T. 0.00 min
Lab File: VN051295.D
Acq: 18 Sep 2018 14:11

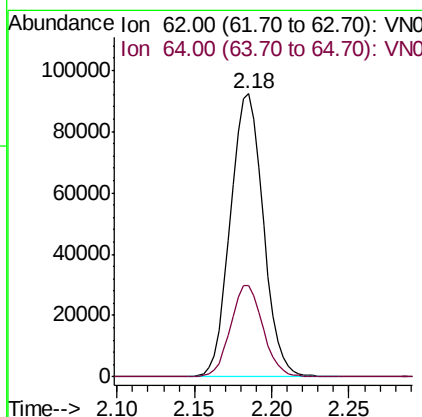
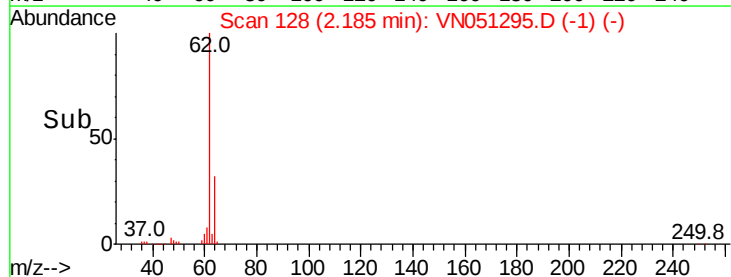
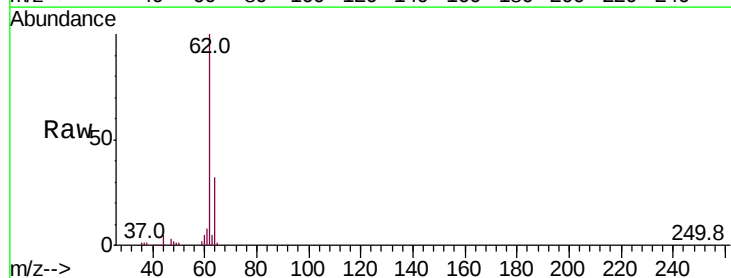
Instrument :
MSVOA_N
ClientSampled :

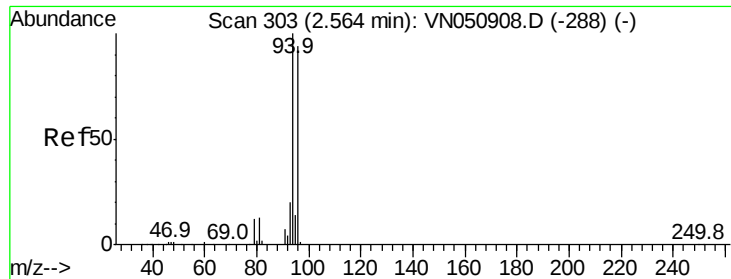
Tot Ion: 50 Resp: 132665
Ion Ratio Lower Upper
50 100
52 34.0 26.2 39.4



#4
Vinyl Chloride
Concen: 29.583 ug/l
RT: 2.18 min Scan# 128
Delta R.T. 0.00 min
Lab File: VN051295.D
Acq: 18 Sep 2018 14:11

Tgt Ion: 62 Resp: 136163
Ion Ratio Lower Upper
62 100
64 32.3 25.4 38.0





#5

Bromomethane

Concen: 27.491 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN051295.D

Acq: 18 Sep 2018 14:11

Instrument :

MSVOA_N

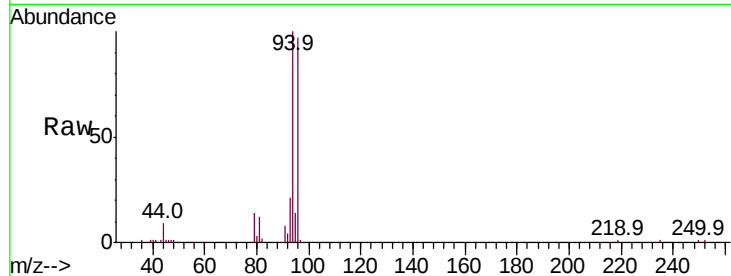
ClientSampled :

Tot Ion: 94 Resp: 77128

Ion Ratio Lower Upper

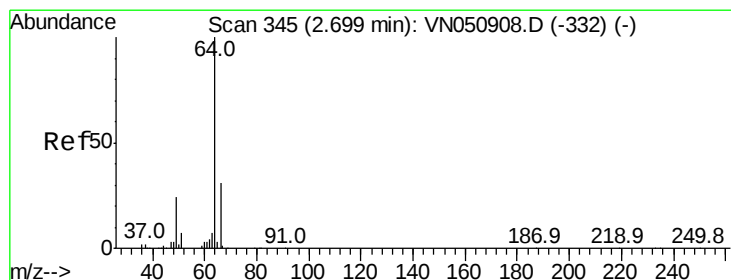
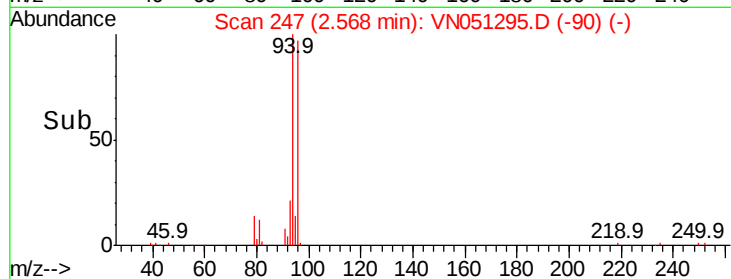
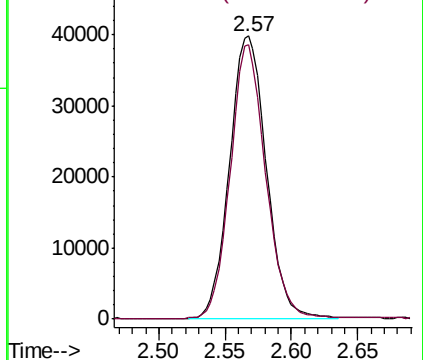
94 100

96 96.6 74.9 112.3



Abundance Ion 94.00 (93.70 to 94.70): VNO

Ion 96.00 (95.70 to 96.70): VNO



#6

Chloroethane

Concen: 29.512 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN051295.D

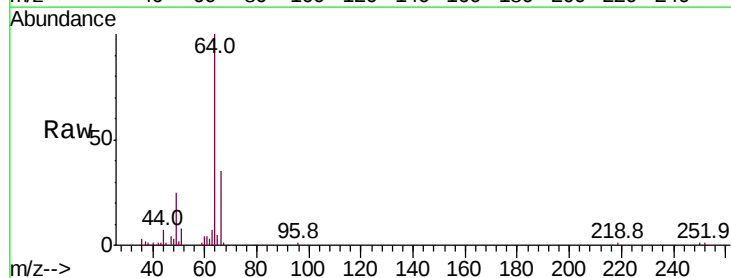
Acq: 18 Sep 2018 14:11

Tgt Ion: 64 Resp: 80120

Ion Ratio Lower Upper

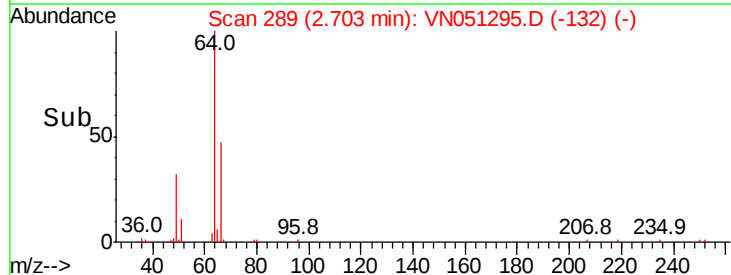
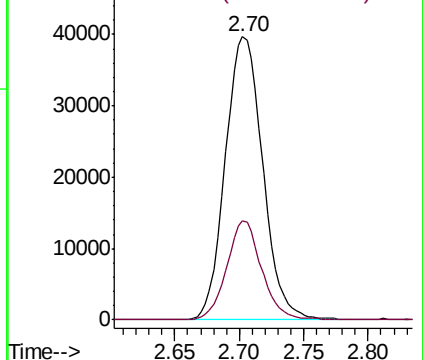
64 100

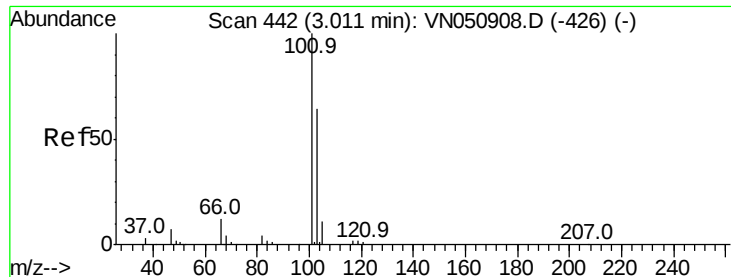
66 34.8 24.5 36.7



Abundance Ion 64.00 (63.70 to 64.70): VNO

Ion 66.00 (65.70 to 66.70): VNO



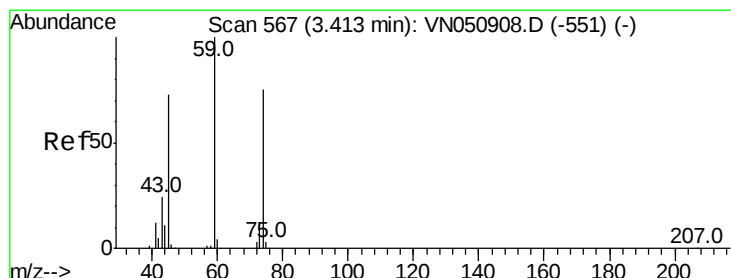
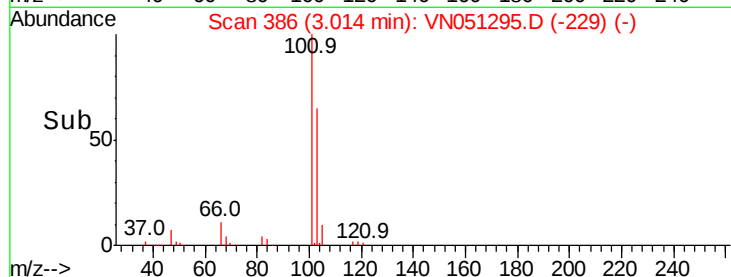
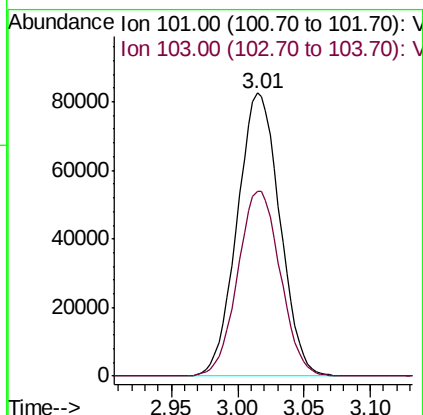
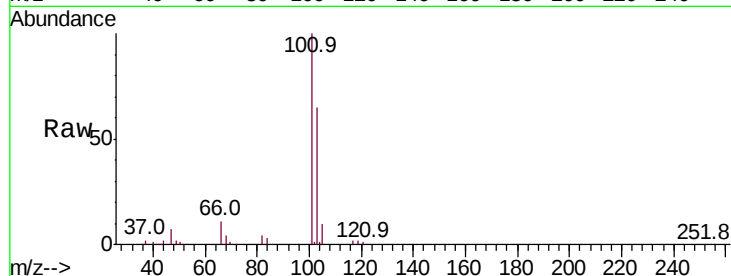


#7

Trichlorofluoromethane
 Concen: 30.276 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. 0.00 min
 Lab File: VN051295.D
 Acq: 18 Sep 2018 14:11

Instrument :
 MSVOA_N
 ClientSampleId :

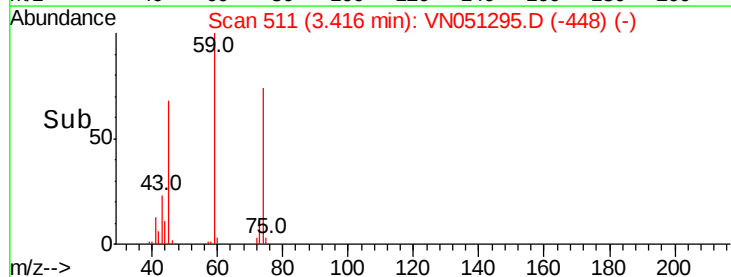
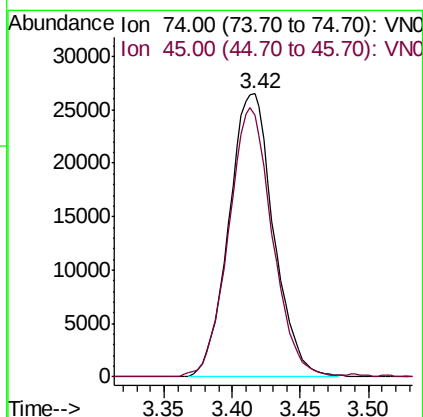
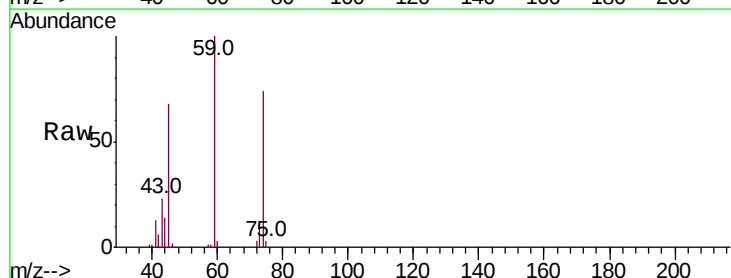
Tot Ion:101 Resp: 184741
 Ion Ratio Lower Upper
 101 100
 103 65.4 51.3 76.9

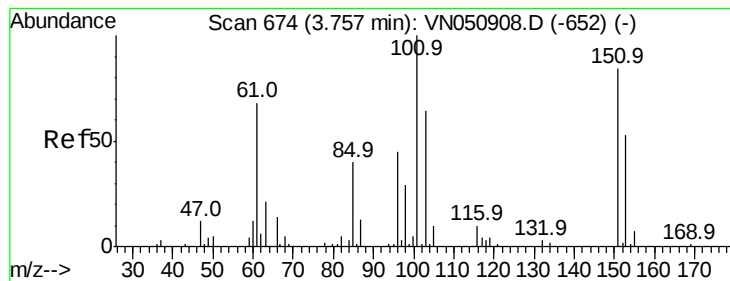


#8

Diethyl Ether
 Concen: 28.065 ug/l
 RT: 3.42 min Scan# 511
 Delta R.T. 0.00 min
 Lab File: VN051295.D
 Acq: 18 Sep 2018 14:11

Tgt Ion: 74 Resp: 60377
 Ion Ratio Lower Upper
 74 100
 45 92.8 19.7 177.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 29.624 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN051295.D

Acq: 18 Sep 2018 14:11

Instrument :

MSVOA_N

ClientSampled :

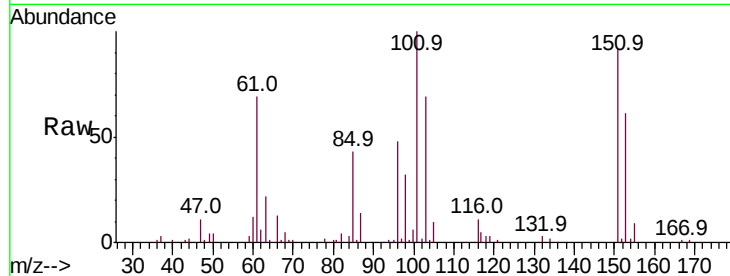
Tot Ion:101 Resp: 111936

Ion Ratio Lower Upper

101 100

85 41.9 0.0 83.6

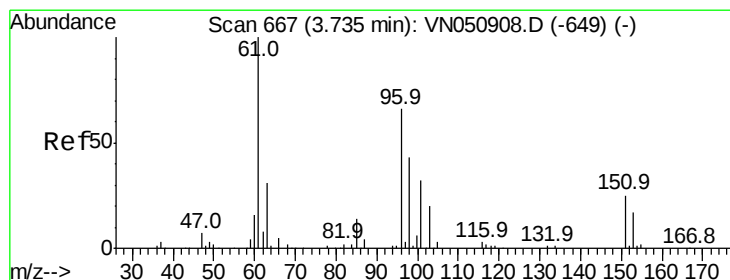
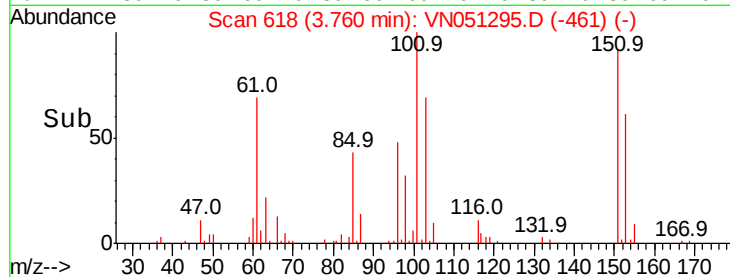
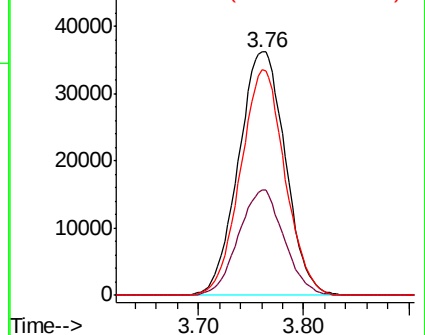
151 88.0 0.0 167.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 30.371 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN051295.D

Acq: 18 Sep 2018 14:11

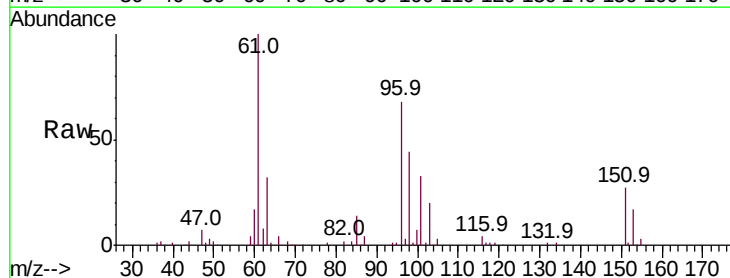
Tgt Ion: 96 Resp: 104249

Ion Ratio Lower Upper

96 100

61 147.9 121.8 182.8

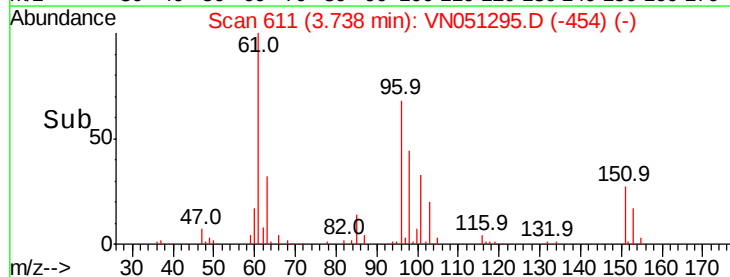
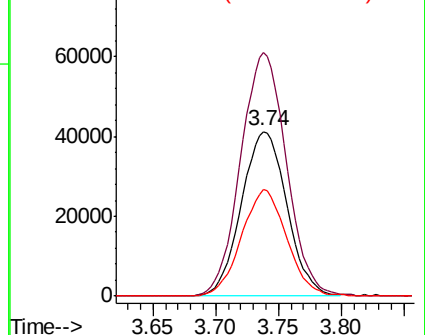
98 64.6 52.3 78.5

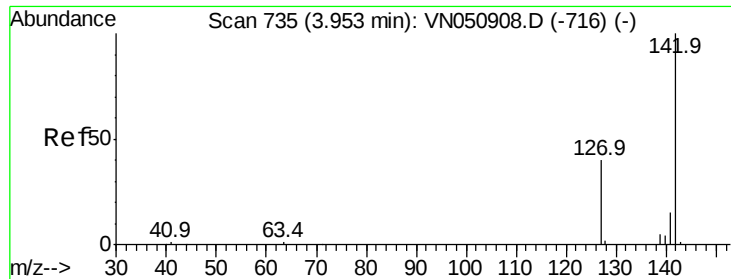


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

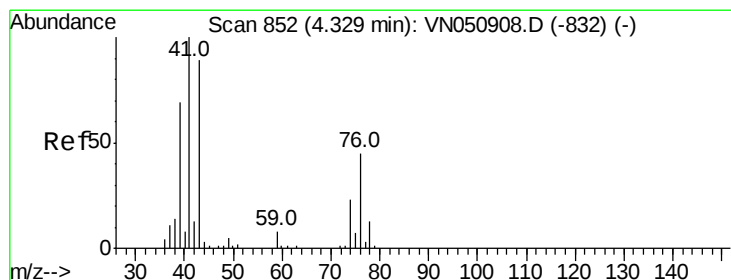
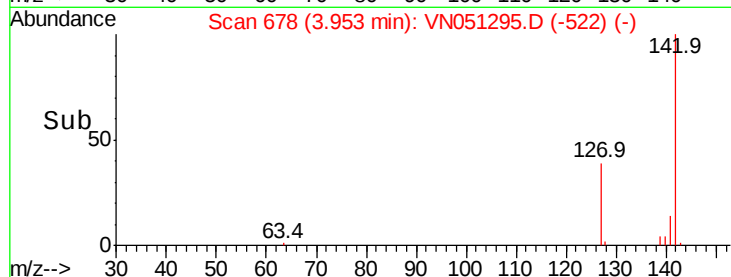
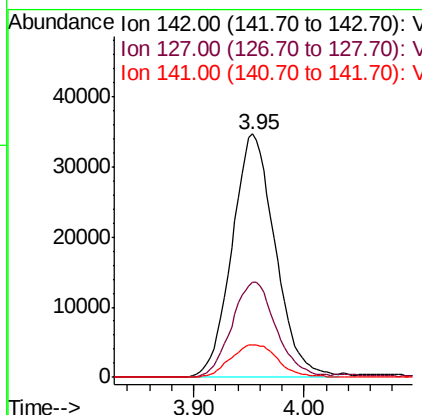
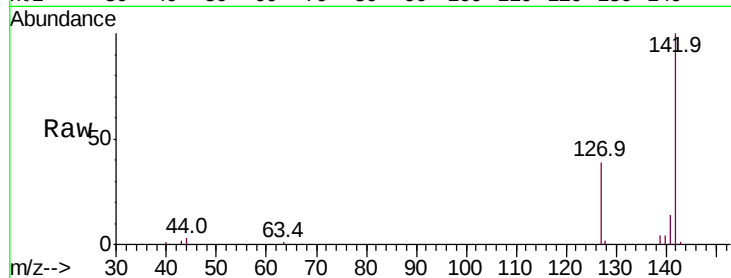




#11
Methvl Iodide
Concen: 29.400 ug/l
RT: 3.95 min Scan# 678
Delta R.T. 0.00 min
Lab File: VN051295.D
Acq: 18 Sep 2018 14:11

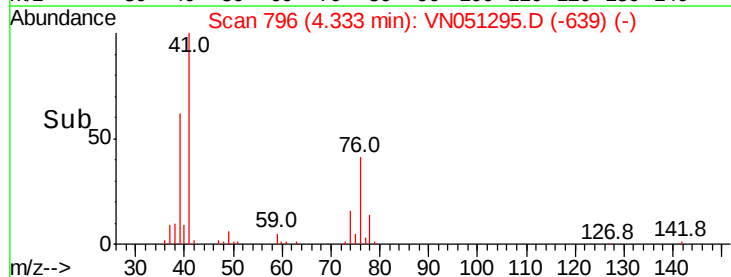
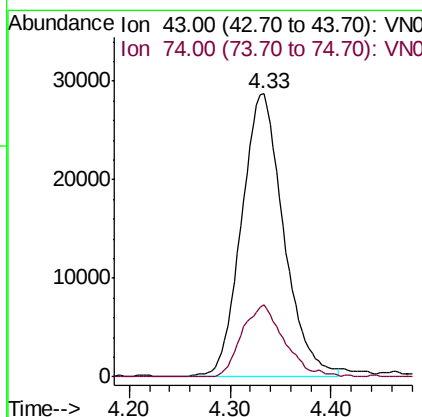
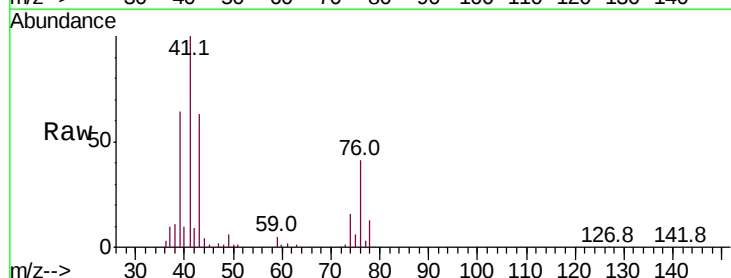
Instrument :
MSVOA_N
ClientSampleId :

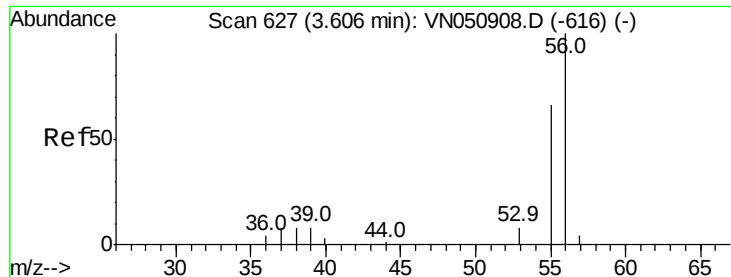
Tot Ion:142 Resp: 94157
Ion Ratio Lower Upper
142 100
127 38.8 19.7 59.1
141 13.6 7.3 22.0



#12
Methyl Acetate
Concen: 21.036 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN051295.D
Acq: 18 Sep 2018 14:11

Tgt Ion: 43 Resp: 83494
Ion Ratio Lower Upper
43 100
74 25.5 20.6 31.0

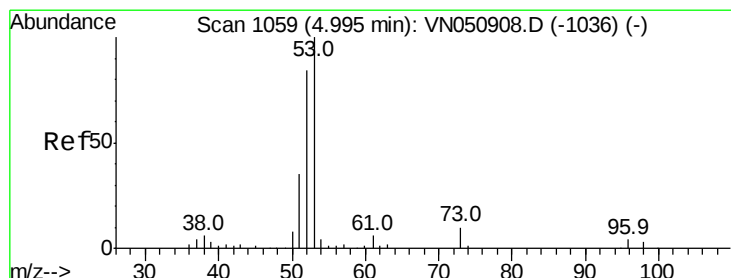
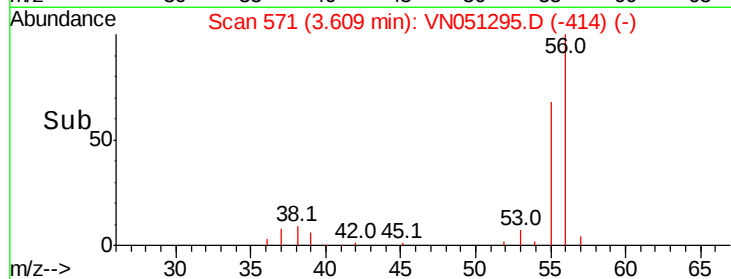
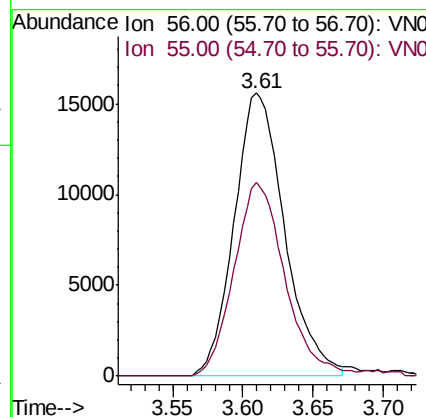
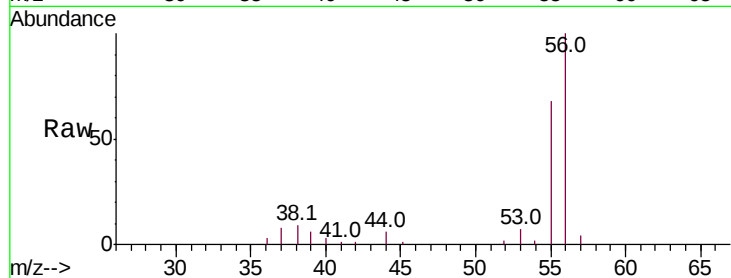




#13
Acrolein
Concen: 444.427 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.00 min
Lab File: VN051295.D
Acq: 18 Sep 2018 14:11

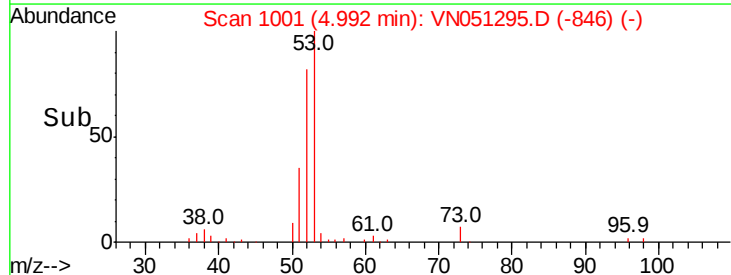
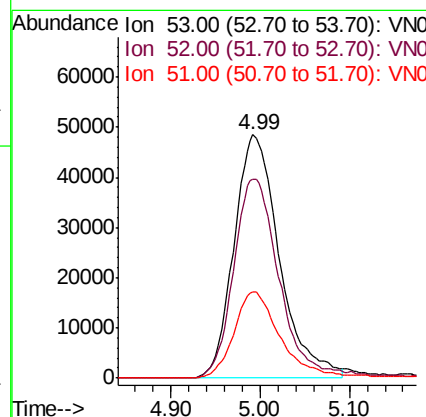
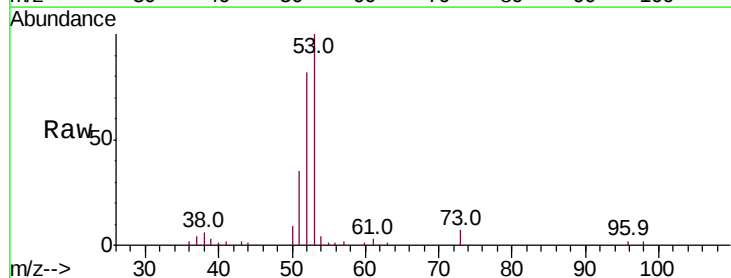
Instrument :
MSVOA_N
ClientSampled :

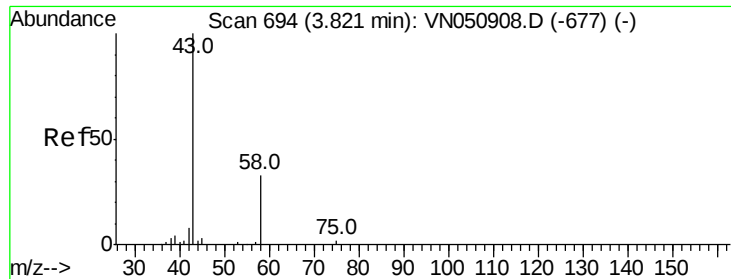
Tot Ion: 56 Resp: 39060
Ion Ratio Lower Upper
56 100
55 68.9 59.1 88.7



#14
Acrylonitrile
Concen: 127.600 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VN051295.D
Acq: 18 Sep 2018 14:11

Tgt Ion: 53 Resp: 171236
Ion Ratio Lower Upper
53 100
52 81.6 42.2 126.6
51 35.2 17.7 53.1





#15

Acetone

Concen: 124.345 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN051295.D

Acq: 18 Sep 2018 14:11

Instrument :

MSVOA_N

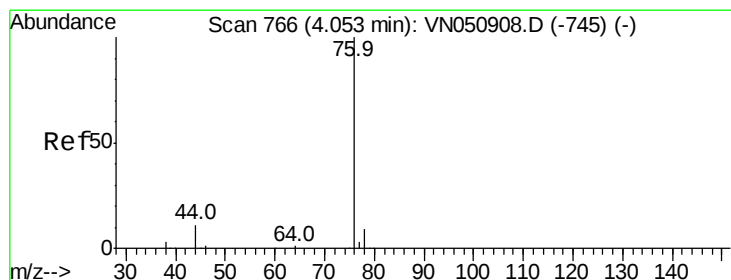
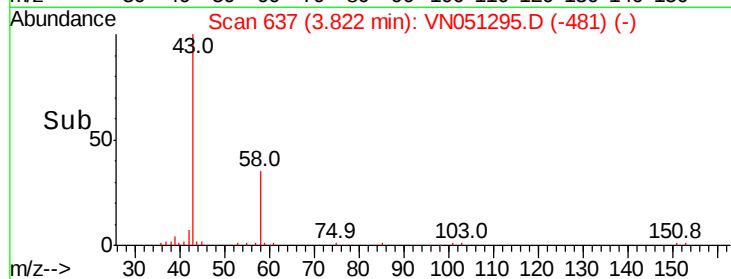
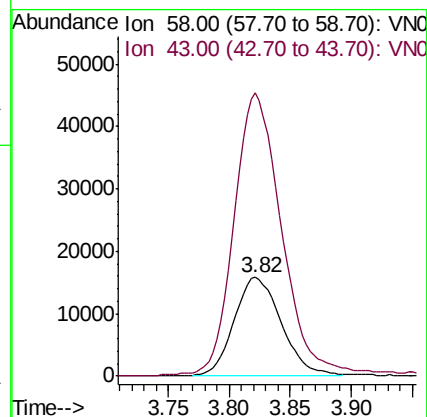
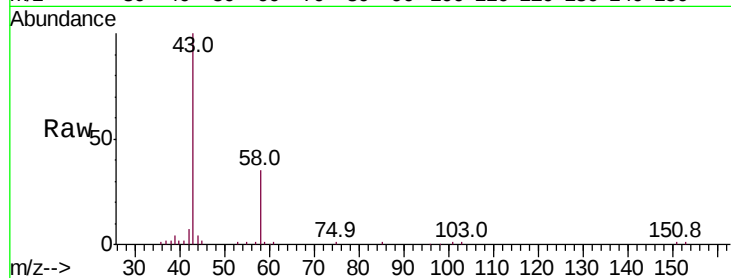
ClientSampleId :

Tot Ion: 58 Resp: 42700

Ion Ratio Lower Upper

58 100

43 283.8 239.4 359.0



#16

Carbon Disulfide

Concen: 29.798 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.00 min

Lab File: VN051295.D

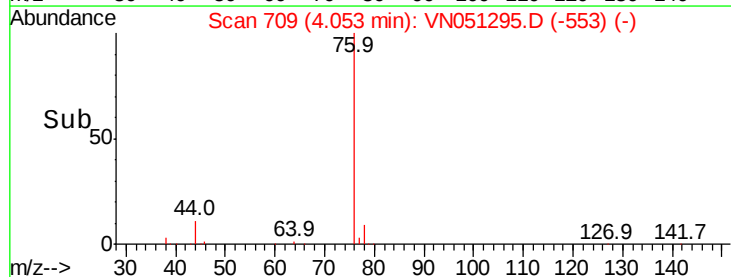
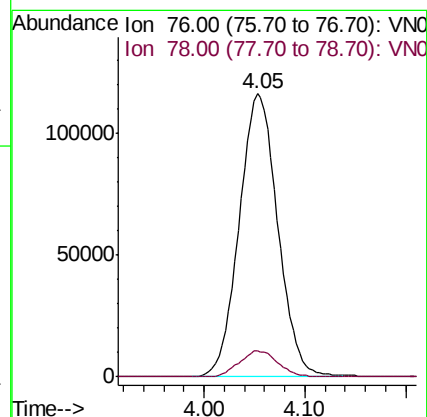
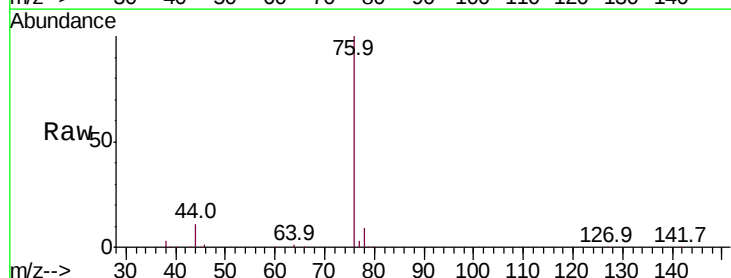
Acq: 18 Sep 2018 14:11

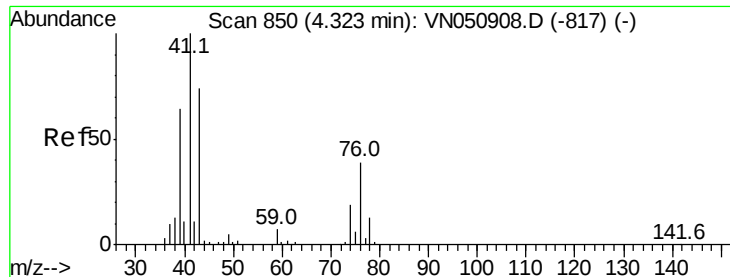
Tgt Ion: 76 Resp: 307532

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9





#17

Allvl chloride

Concen: 27.202 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN051295.D

Acq: 18 Sep 2018 14:11

Instrument :
MSVOA_N
ClientSampleId :

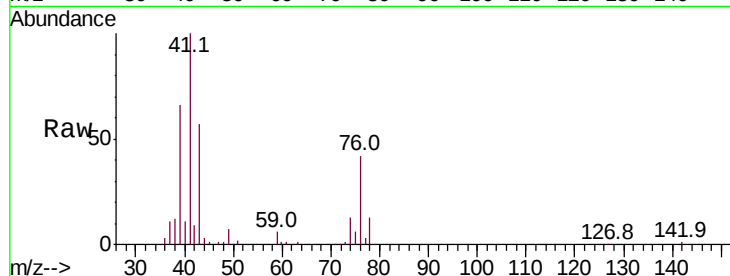
Tot Ion: 41 Resp: 146915

Ion Ratio Lower Upper

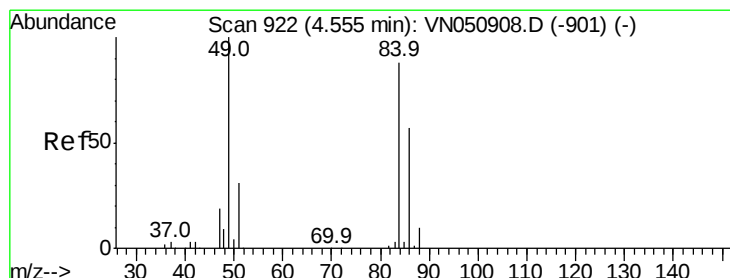
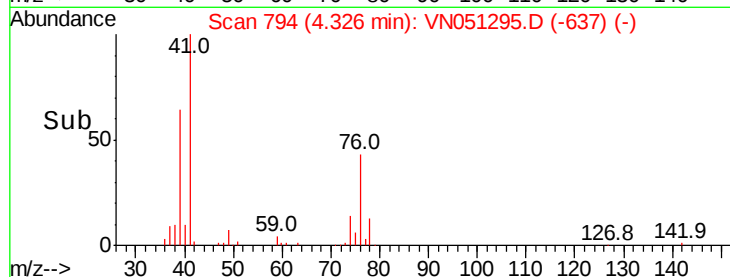
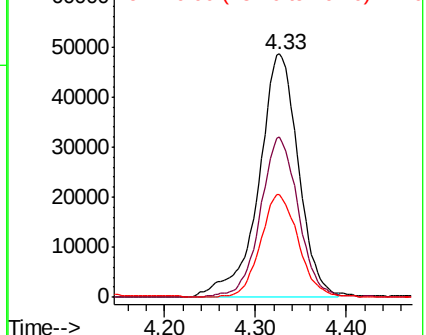
41 100

39 65.8 32.2 96.6

76 41.7 19.6 58.7



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 76.00 (75.70 to 76.70): VNO



#18

Methylene Chloride

Concen: 29.983 ug/l

RT: 4.55 min Scan# 865

Delta R.T. 0.00 min

Lab File: VN051295.D

Acq: 18 Sep 2018 14:11

Tgt Ion: 84 Resp: 120798

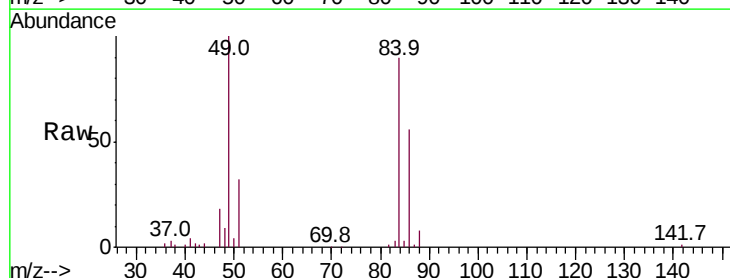
Ion Ratio Lower Upper

84 100

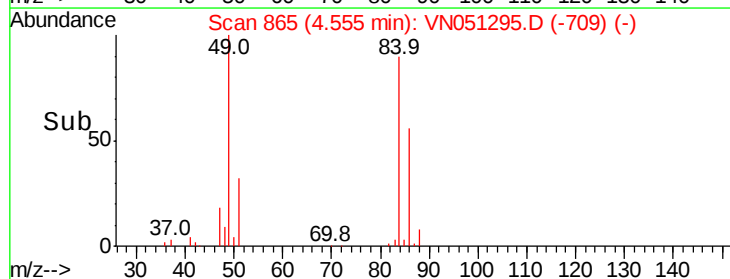
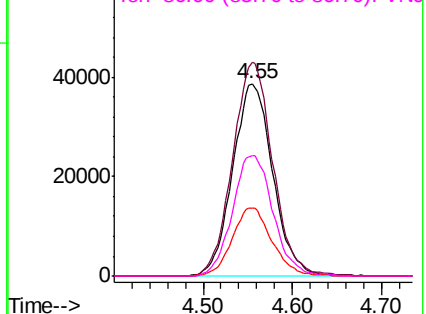
49 111.0 90.6 135.8

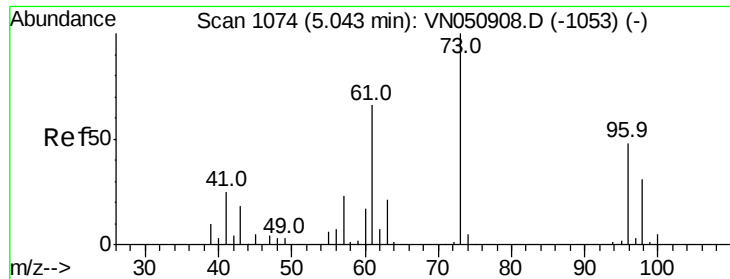
51 35.2 28.4 42.6

86 62.6 51.6 77.4



Abundance Ion 84.00 (83.70 to 84.70): VNO
Ion 49.00 (48.70 to 49.70): VNO
Ion 51.00 (50.70 to 51.70): VNO
Ion 86.00 (85.70 to 86.70): VNO





#19

trans-1,2-Dichloroethene

Concen: 30.138 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VN051295.D

Acq: 18 Sep 2018 14:11

Instrument :
MSVOA_N
ClientSampled :

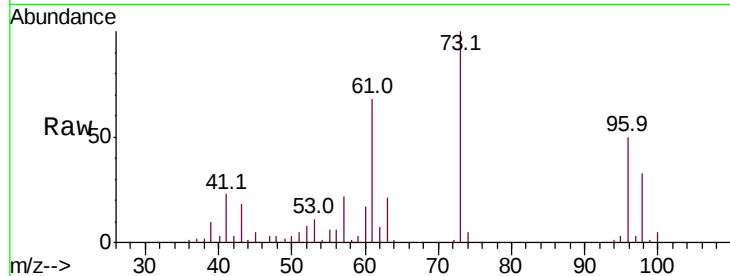
Tot Ion: 96 Resp: 110218

Ion Ratio Lower Upper

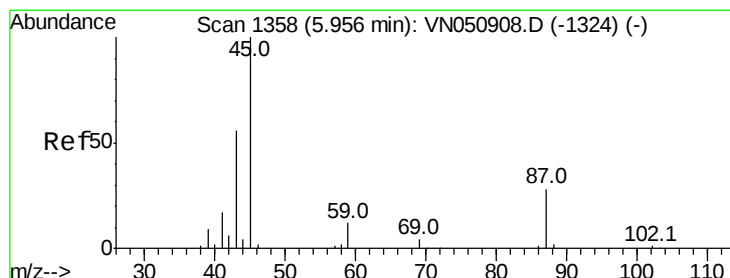
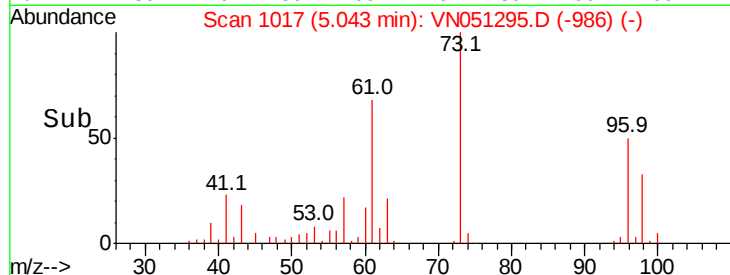
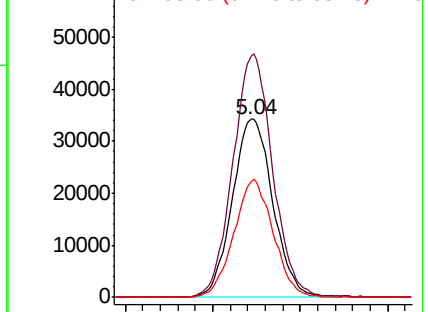
96 100

61 135.1 109.5 164.3

98 65.2 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: 28.883 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VN051295.D

Acq: 18 Sep 2018 14:11

Tgt Ion: 45 Resp: 323799

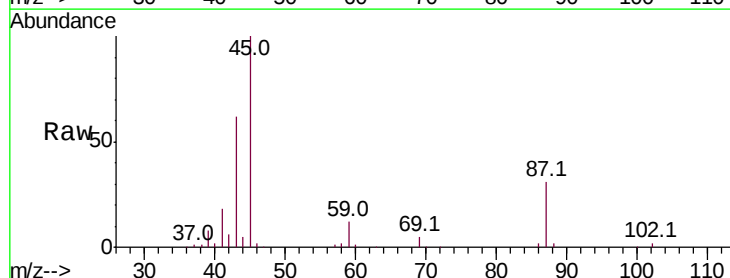
Ion Ratio Lower Upper

45 100

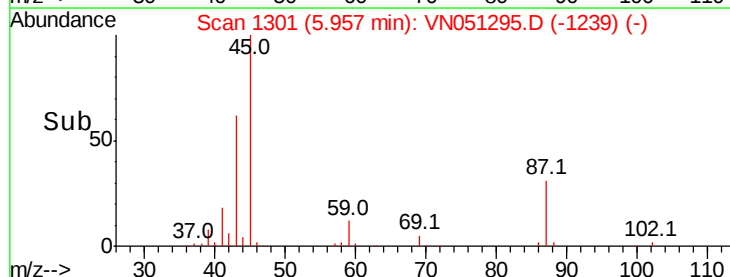
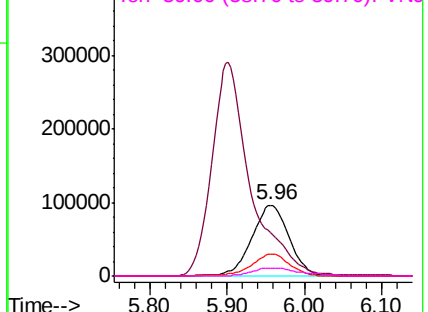
43 60.1 47.0 70.6

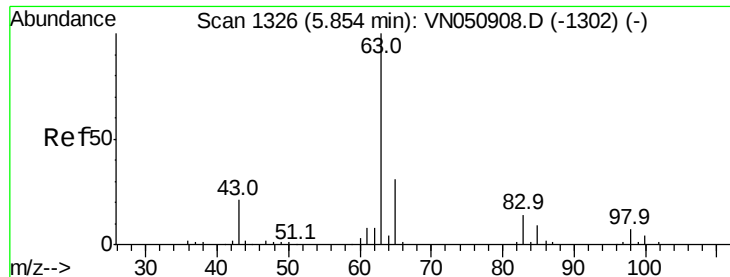
87 31.0 22.8 34.2

59 11.2 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: 28.928 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN051295.D

Acq: 18 Sep 2018 14:11

Instrument :
MSVOA_N
ClientSampleId :

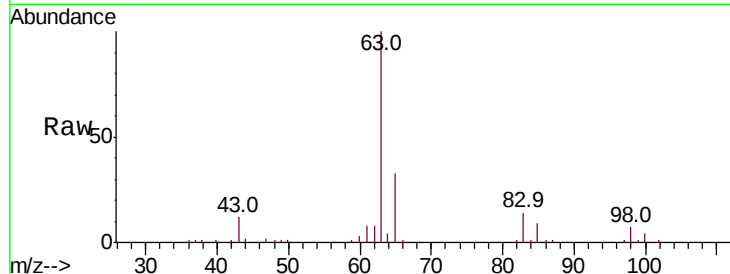
Tot Ion: 63 Resp: 198839

Ion Ratio Lower Upper

63 100

98 7.1 3.3 9.9

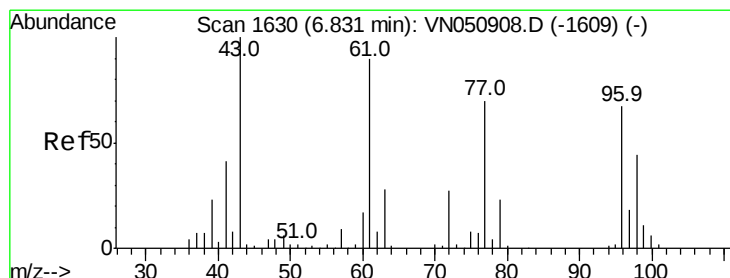
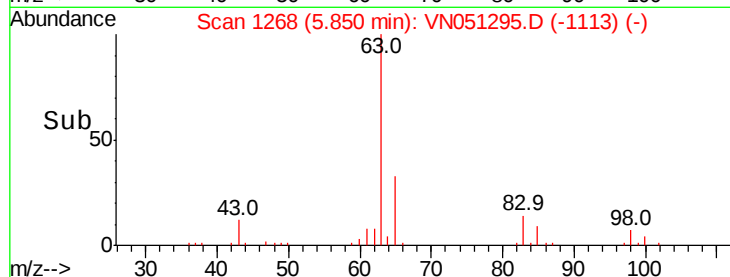
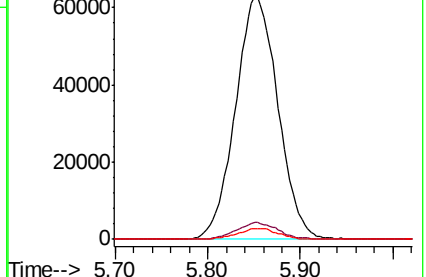
100 4.3 2.0 6.0



Abundance Ion 63.00 (62.70 to 63.70): VN050908.D (-1302) (-)

Ion 98.00 (97.70 to 98.70): VN050908.D (-1302) (-)

Ion 100.00 (99.70 to 100.70): VN050908.D (-1302) (-)



#22

cis-1,2-Dichloroethene

Concen: 29.642 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN051295.D

Acq: 18 Sep 2018 14:11

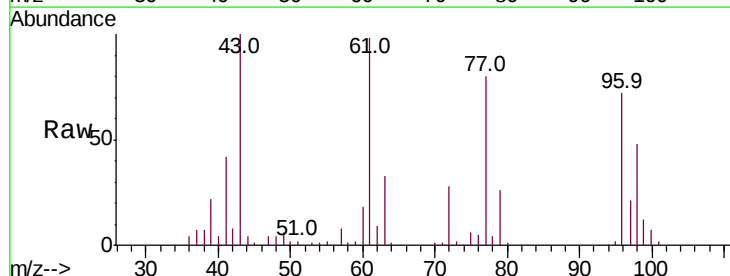
Tgt Ion: 96 Resp: 122452

Ion Ratio Lower Upper

96 100

61 137.4 110.0 165.0

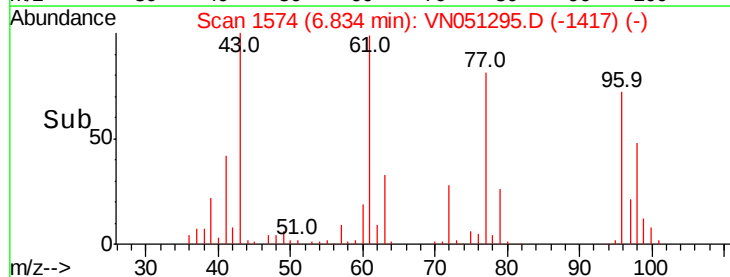
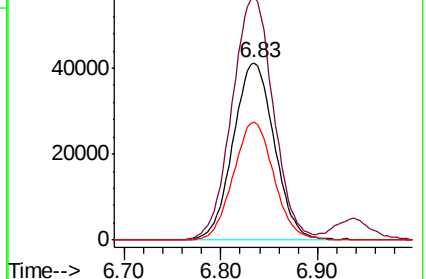
98 65.6 51.7 77.5

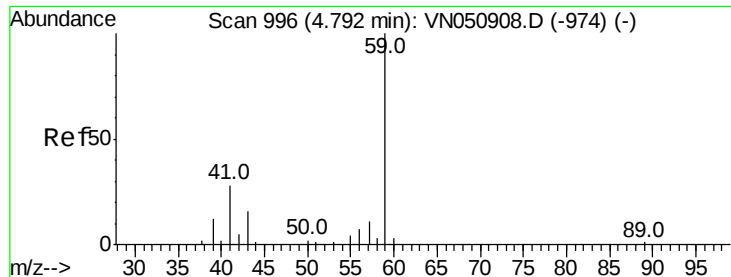


Abundance Ion 96.00 (95.70 to 96.70): VN050908.D (-1609) (-)

Ion 61.00 (60.70 to 61.70): VN050908.D (-1609) (-)

Ion 98.00 (97.70 to 98.70): VN050908.D (-1609) (-)



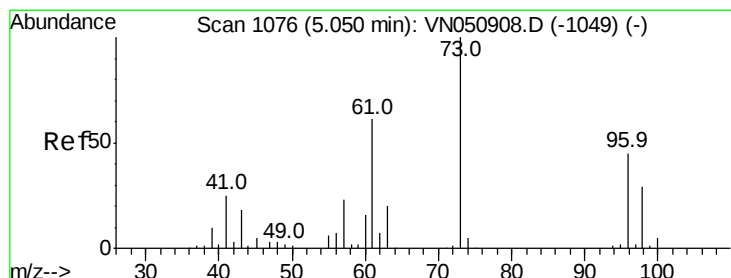
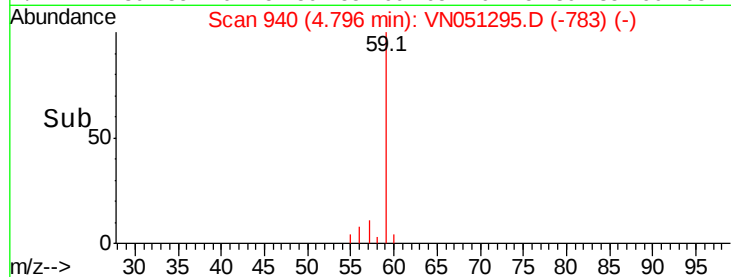
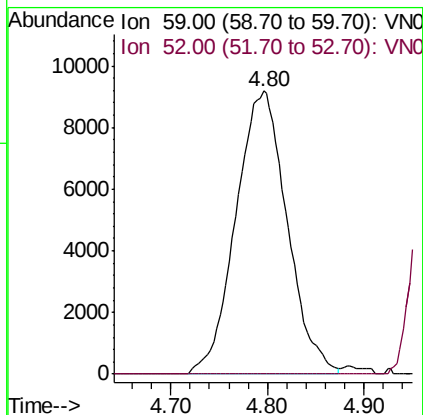
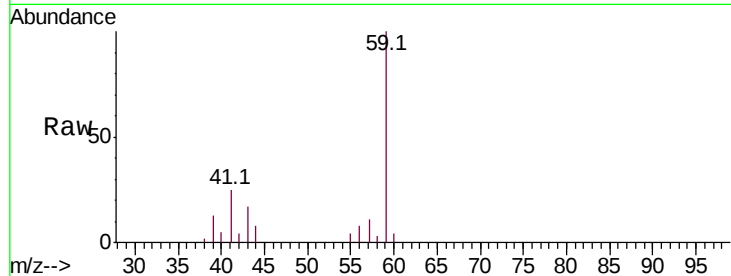


#23

tert-Butyl Alcohol
 Concen: 118.432 ug/l
 RT: 4.80 min Scan# 940
 Delta R.T. 0.00 min
 Lab File: VN051295.D
 Acq: 18 Sep 2018 14:11

Instrument :
 MSVOA_N
 ClientSampled :

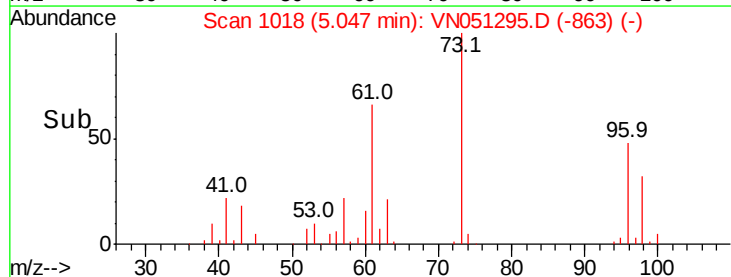
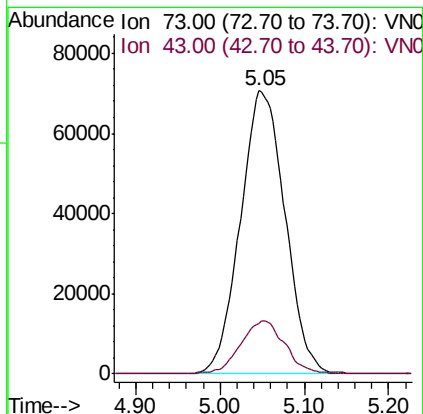
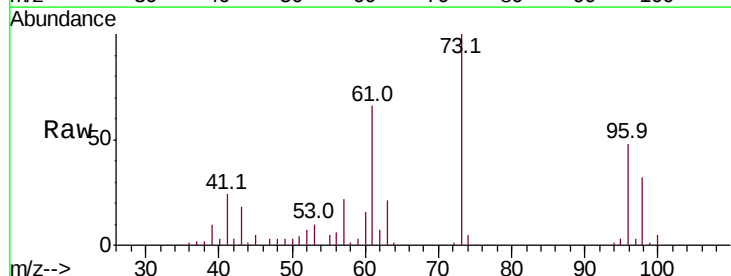
Tot Ion: 59 Resp: 33800
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.1 0.1#

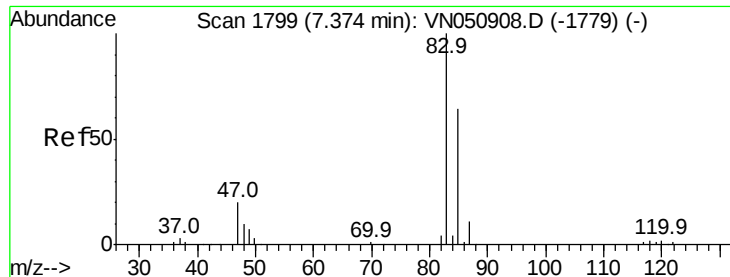


#24

Methyl tert-Butyl Ether
 Concen: 27.657 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. -0.00 min
 Lab File: VN051295.D
 Acq: 18 Sep 2018 14:11

Tgt Ion: 73 Resp: 259646
 Ion Ratio Lower Upper
 73 100
 43 18.6 14.4 21.6

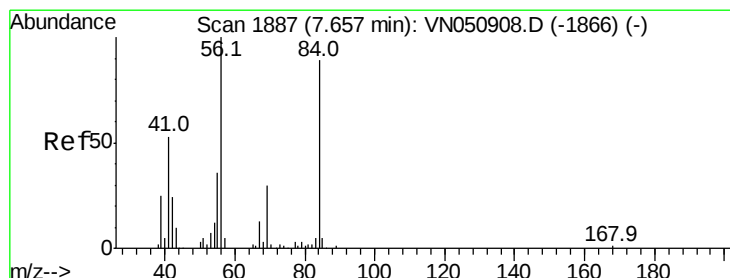
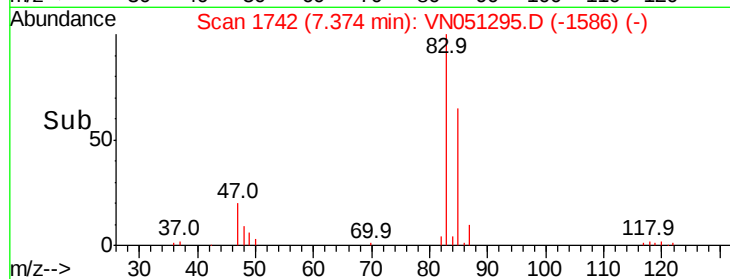
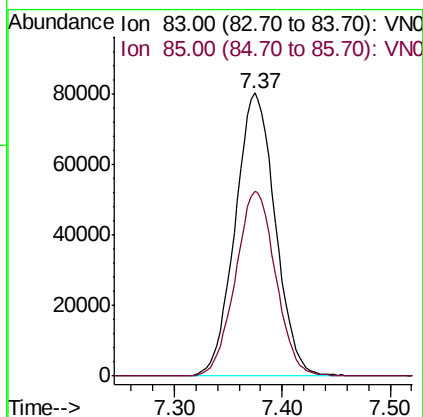
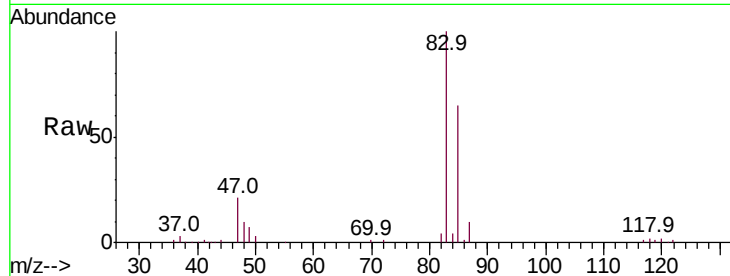




#25
Chloroform
Concen: 30.275 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051295.D
Acq: 18 Sep 2018 14:11

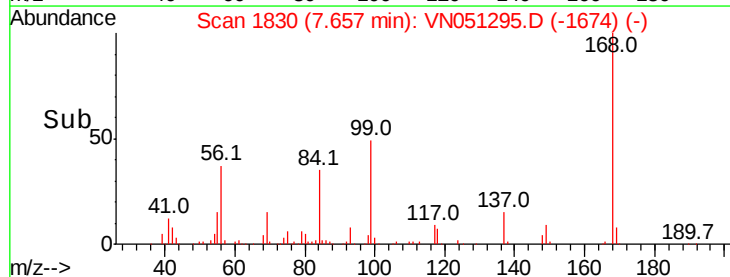
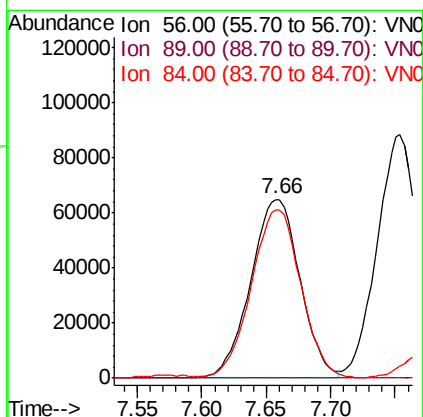
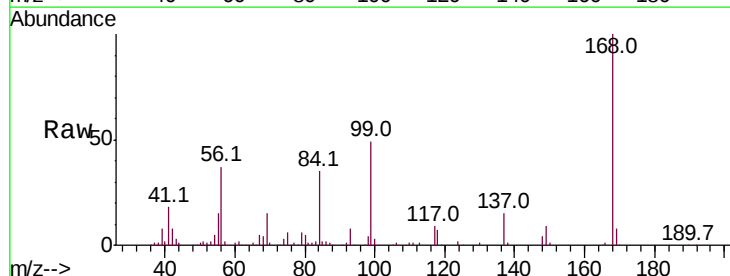
Instrument :
MSVOA_N
ClientSampleId :

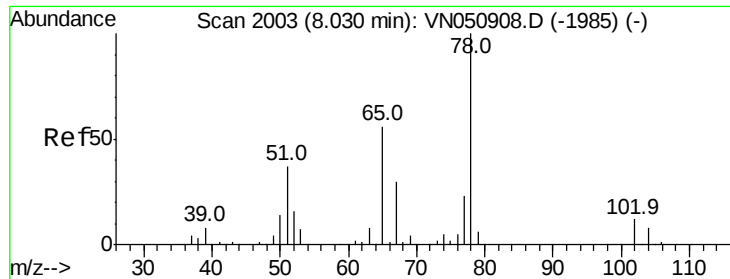
Tot Ion: 83 Resp: 207701
Ion Ratio Lower Upper
83 100
85 65.1 51.4 77.0



#26
Cyclohexane
Concen: 30.407 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN051295.D
Acq: 18 Sep 2018 14:11

Tgt Ion: 56 Resp: 173163
Ion Ratio Lower Upper
56 100
89 0.0 0.4 0.6#
84 93.3 70.4 105.6





#27

1,2-Dichloroethane-d4

Concen: 73.366 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN051295.D

Acq: 18 Sep 2018 14:11

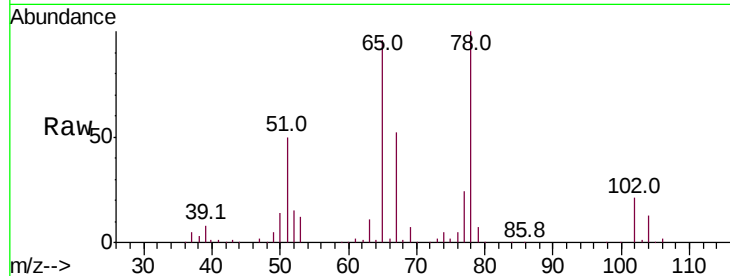
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 65 Resp: 297407

Ion Ratio Lower Upper

65 100

67 54.2 43.7 65.5



Abundance Ion 65.00 (64.70 to 65.70): VN051295.D (-1985) (-)

Ion 67.00 (66.70 to 67.70): VN051295.D (-1985) (-)

8.03

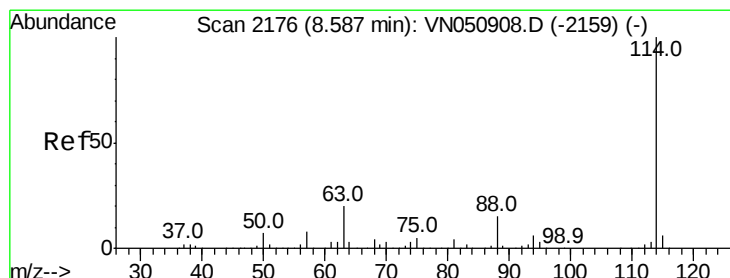
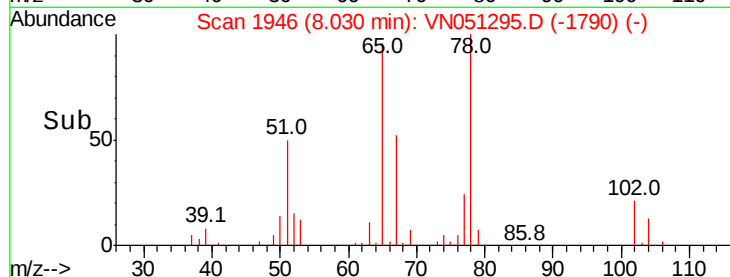
150000

100000

50000

0

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN051295.D

Acq: 18 Sep 2018 14:11

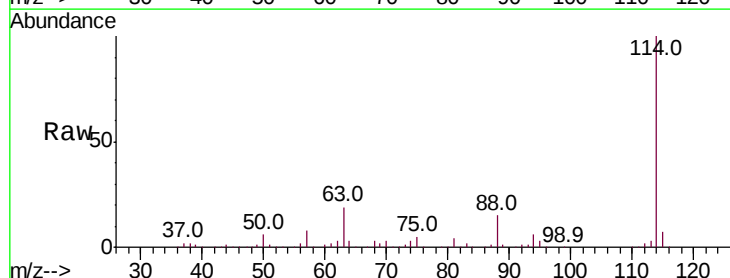
Tgt Ion:114 Resp: 735917

Ion Ratio Lower Upper

114 100

63 18.5 15.6 23.4

88 15.2 12.2 18.4



Abundance Ion 114.00 (113.70 to 114.70): VN051295.D (-2159) (-)

Ion 63.00 (62.70 to 63.70): VN051295.D (-2159) (-)

Ion 88.00 (87.70 to 88.70): VN051295.D (-2159) (-)

8.59

400000

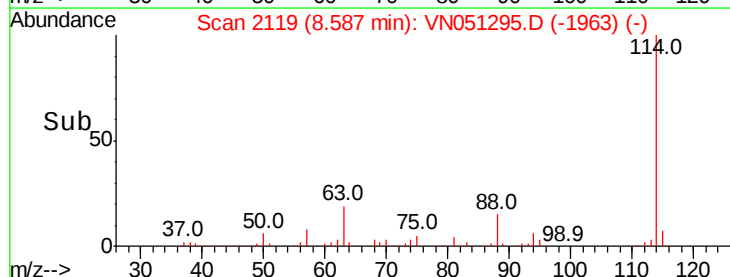
300000

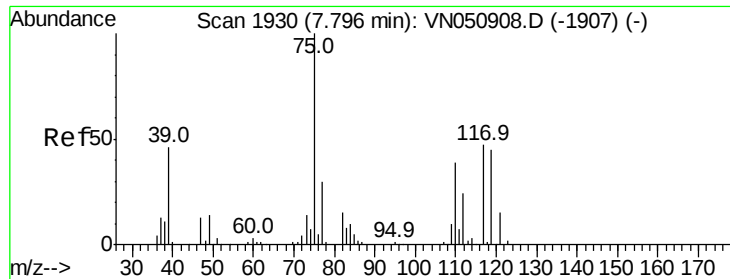
200000

100000

0

Time-->





#29

1,1-Dichloropropene

Concen: 13.917 ug/l

RT: 7.80 min Scan# 1873

Delta R.T. 0.00 min

Lab File: VN051295.D

Acq: 18 Sep 2018 14:11

Instrument :
MSVOA_N
ClientSampled :

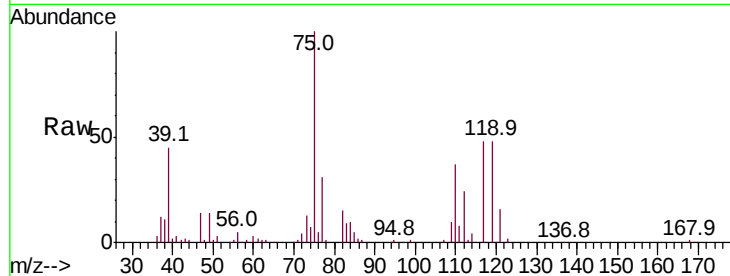
Tot Ion: 75 Resp: 153335

Ion Ratio Lower Upper

75 100

110 38.2 0.0 75.0

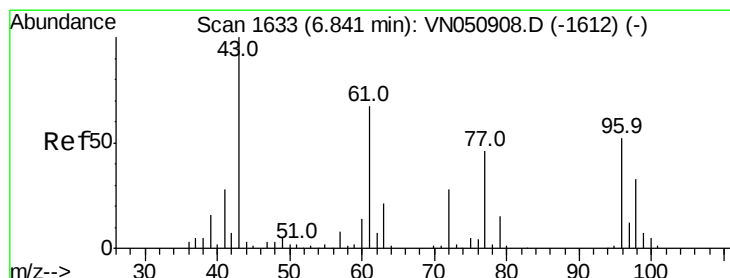
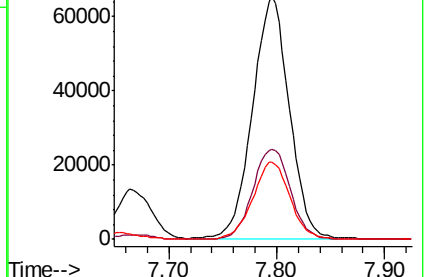
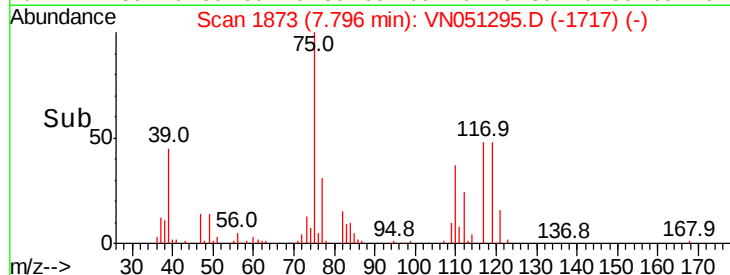
77 32.6 0.0 60.6



Abundance Ion 75.00 (74.70 to 75.70): VN051295.D (-1873) (-)

Ion 110.00 (109.70 to 110.70): VN051295.D (-1873) (-)

Ion 77.00 (76.70 to 77.70): VN051295.D (-1873) (-)



#30

2-Butanone

Concen: 52.867 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN051295.D

Acq: 18 Sep 2018 14:11

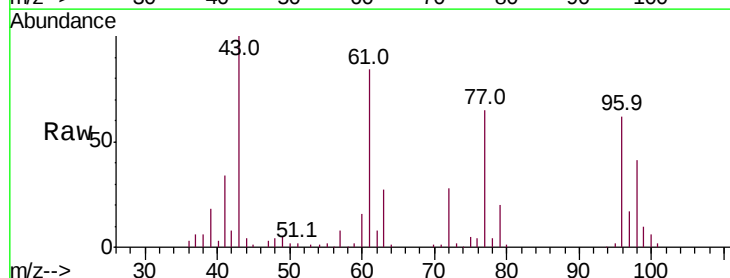
Tgt Ion: 43 Resp: 179182

Ion Ratio Lower Upper

43 100

57 8.9 6.9 10.3

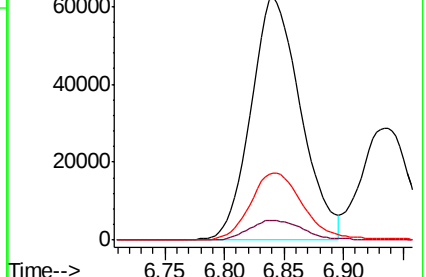
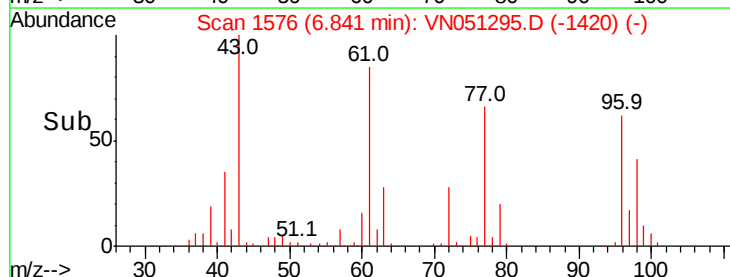
72 29.4 22.8 34.2

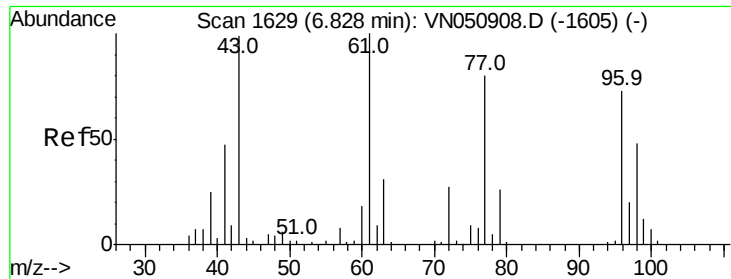


Abundance Ion 43.00 (42.70 to 43.70): VN051295.D (-1576) (-)

Ion 57.00 (56.70 to 57.70): VN051295.D (-1576) (-)

Ion 72.00 (71.70 to 72.70): VN051295.D (-1576) (-)





#31

2,2-Dichloropropane

Concen: 14.258 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN051295.D

Acq: 18 Sep 2018 14:11

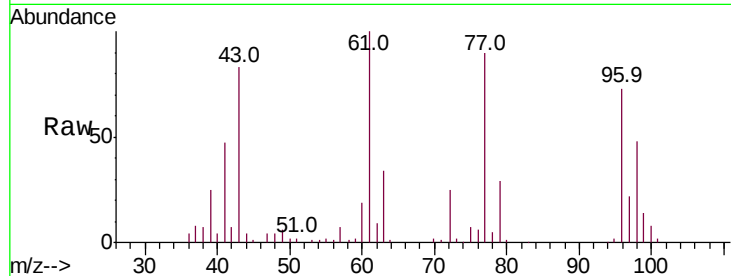
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 77 Resp: 152850

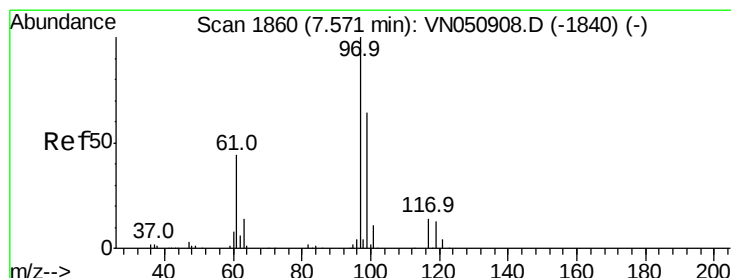
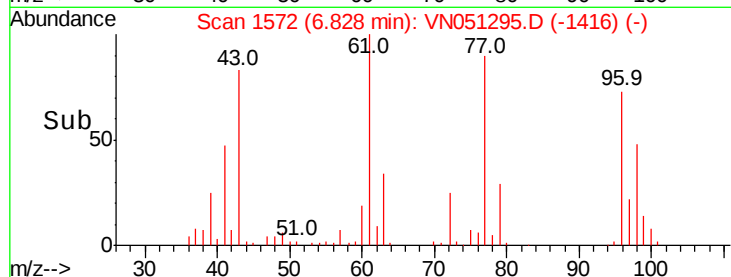
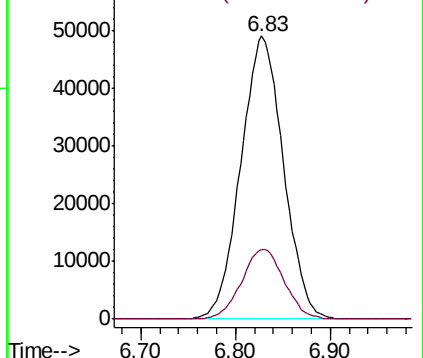
Ion Ratio Lower Upper

77 100

97 24.7 20.2 30.2



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



#32

1,1,1-Trichloroethane

Concen: 14.322 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN051295.D

Acq: 18 Sep 2018 14:11

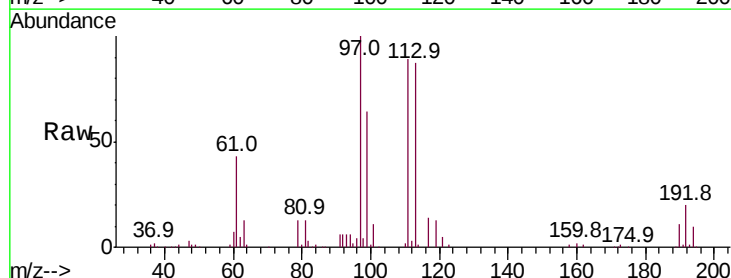
Tgt Ion: 97 Resp: 178932

Ion Ratio Lower Upper

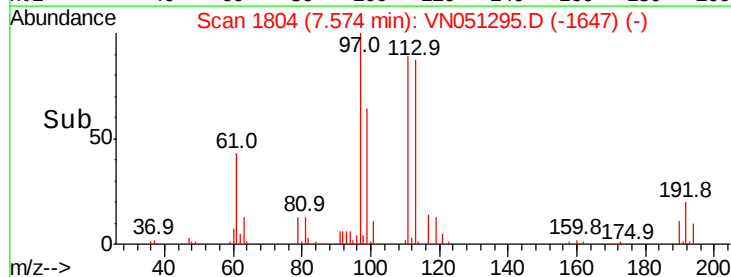
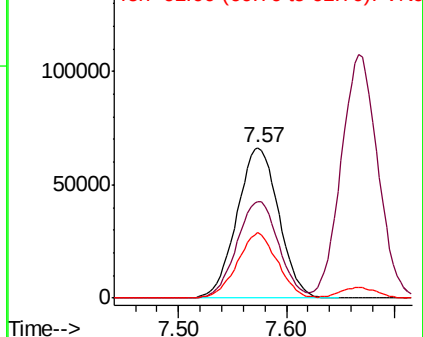
97 100

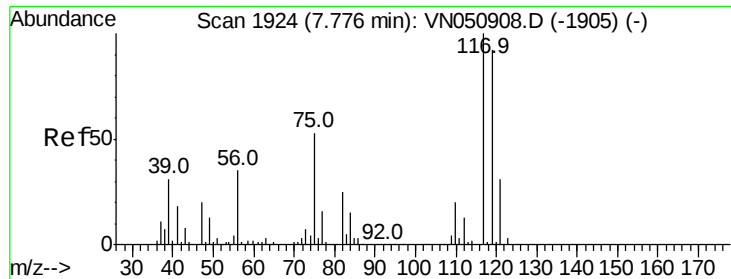
99 64.5 52.0 78.0

61 41.8 35.0 52.6



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

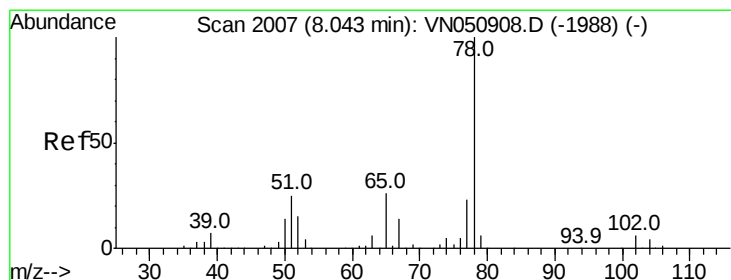
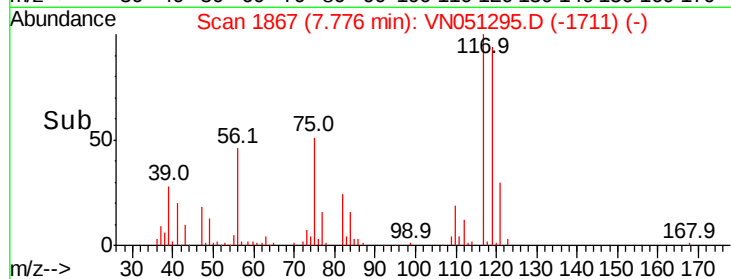
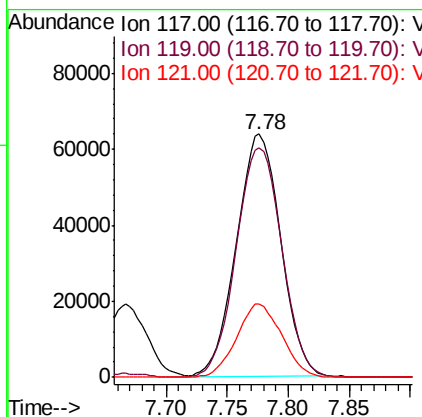
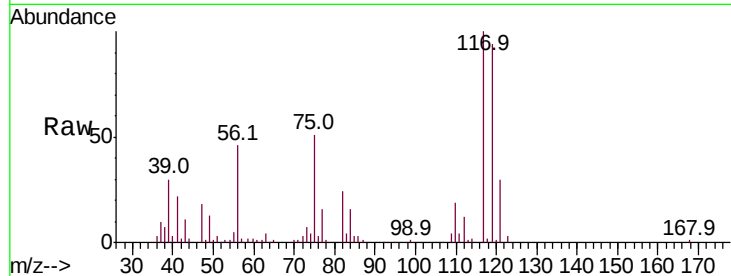




#33
Carbon Tetrachloride
Concen: 14.283 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051295.D
Acq: 18 Sep 2018 14:11

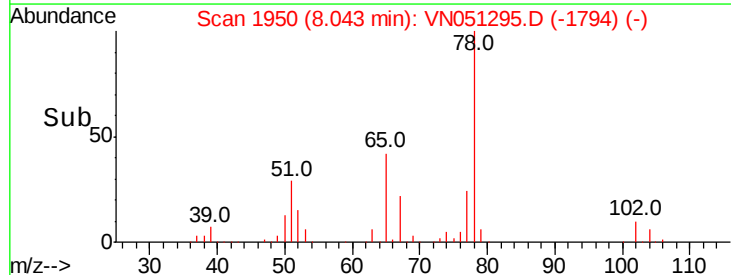
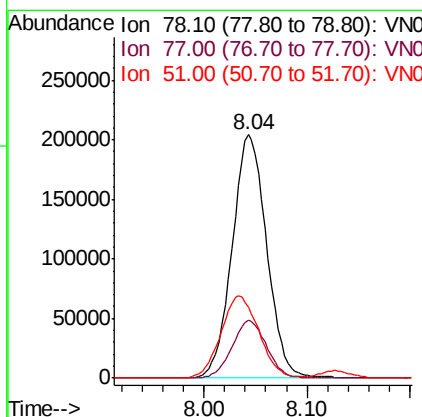
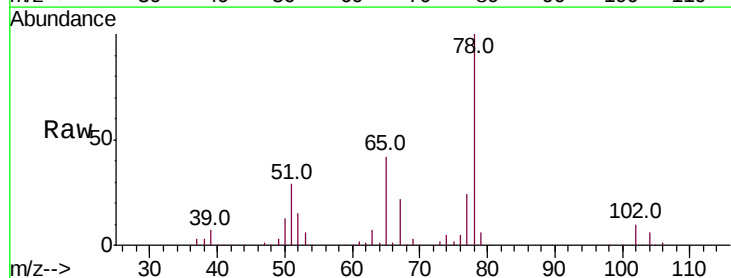
Instrument :
MSVOA_N
ClientSampled :

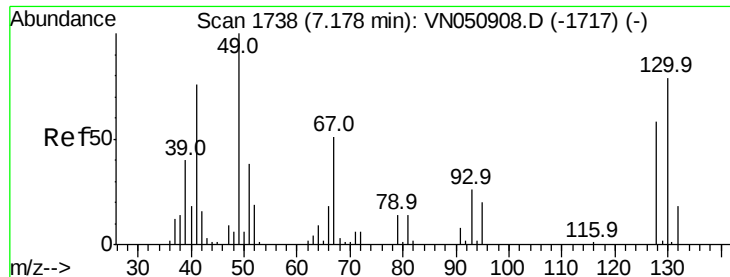
Tot Ion:117 Resp: 160701
Ion Ratio Lower Upper
117 100
119 94.8 73.5 110.3
121 30.4 24.6 37.0



#34
Benzene
Concen: 13.991 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051295.D
Acq: 18 Sep 2018 14:11

Tgt Ion: 78 Resp: 476854
Ion Ratio Lower Upper
78 100
77 23.6 18.6 28.0
51 28.8 20.0 30.0

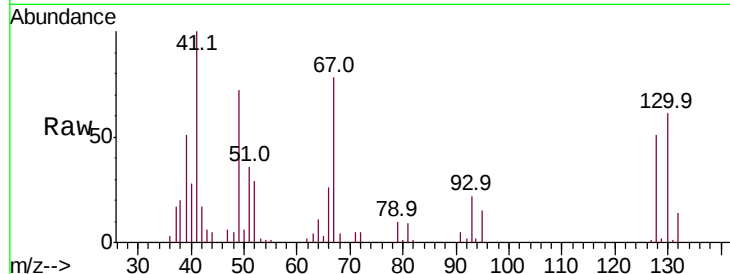




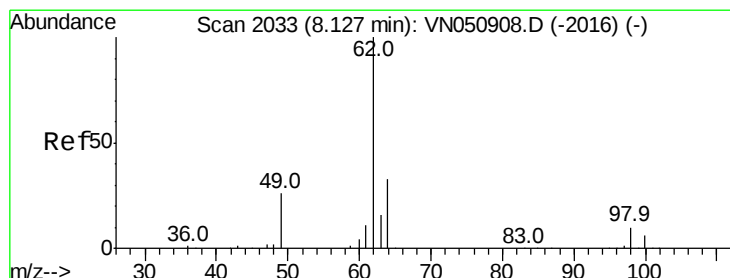
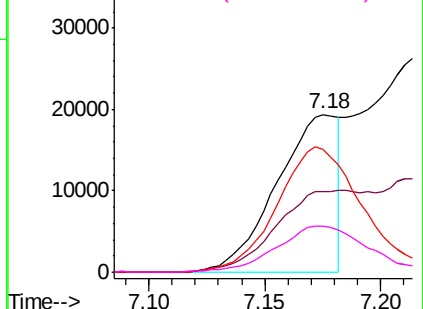
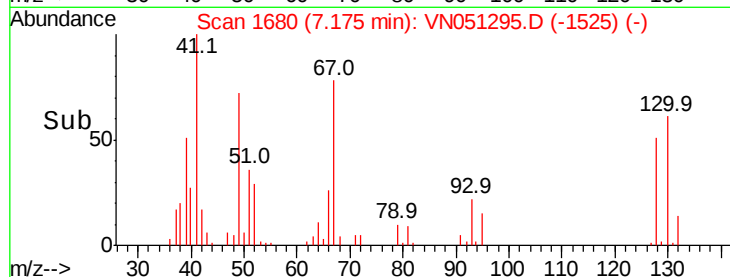
#35
Methacrylonitrile
Concen: 9.641 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN051295.D
Acq: 18 Sep 2018 14:11

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 35800
Ion Ratio Lower Upper
41 100
39 51.1 26.2 78.5
67 77.7 33.9 101.6
52 28.7 12.5 37.5

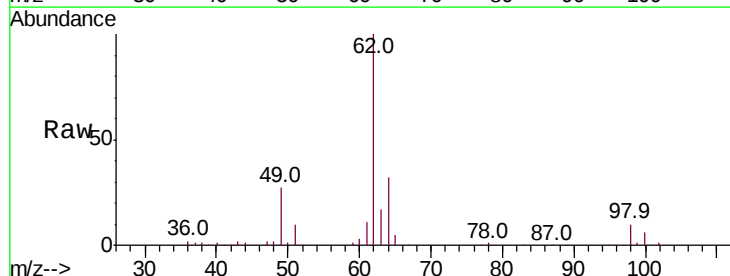


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

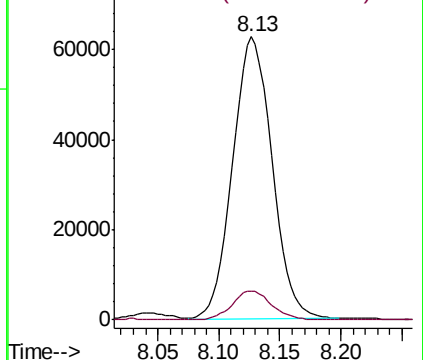
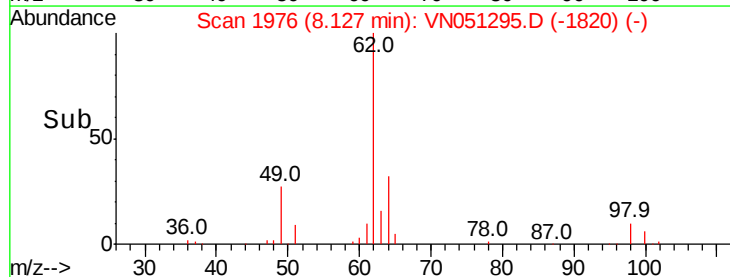


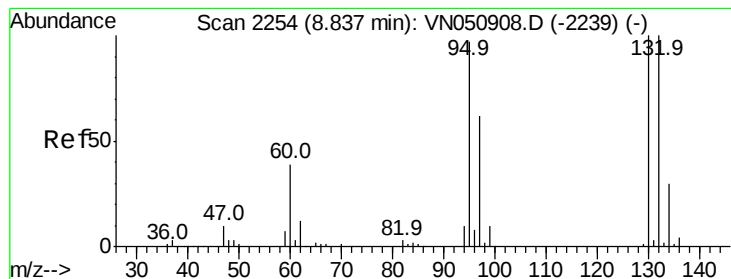
#36
1,2-Dichloroethane
Concen: 13.612 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051295.D
Acq: 18 Sep 2018 14:11

Tgt Ion: 62 Resp: 140312
Ion Ratio Lower Upper
62 100
98 10.3 8.0 12.0



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





#37

Trichloroethene

Concen: 14.677 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN051295.D

Acq: 18 Sep 2018 14:11

Instrument :

MSVOA_N

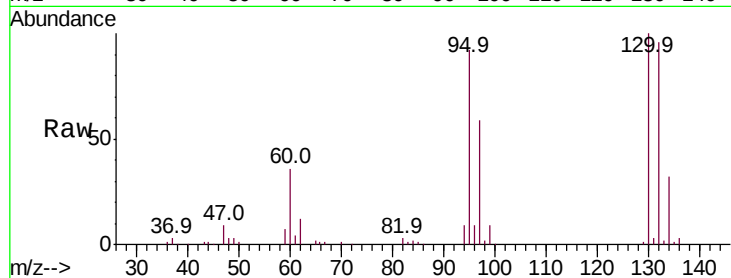
ClientSampleId :

Tot Ion:130 Resp: 130745

Ion Ratio Lower Upper

130 100

95 92.1 77.4 116.0



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.84

60000

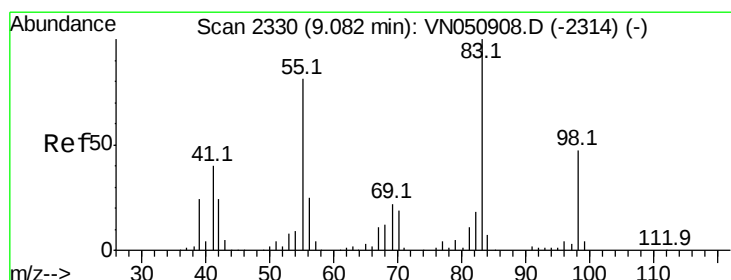
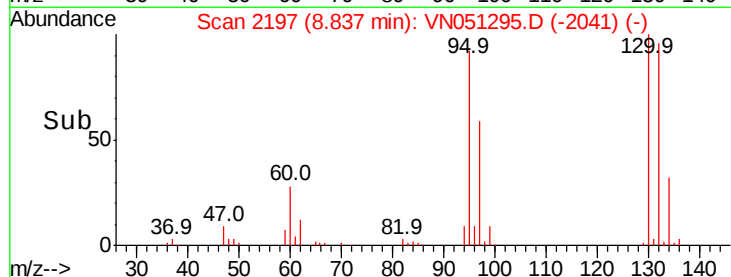
40000

20000

0

Time-->

8.75 8.80 8.85 8.90



#38

Methylcyclohexane

Concen: 13.671 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN051295.D

Acq: 18 Sep 2018 14:11

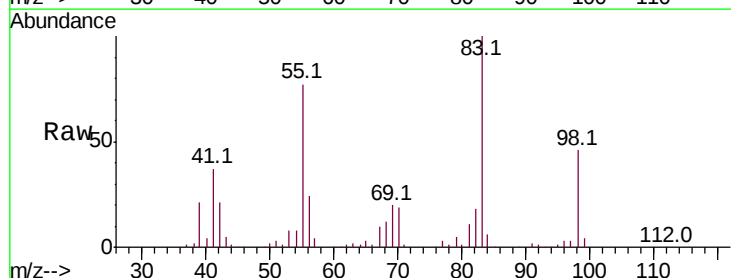
Tgt Ion: 83 Resp: 161767

Ion Ratio Lower Upper

83 100

55 75.1 38.9 116.7

98 45.8 22.9 68.7



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

9.08

100000

80000

60000

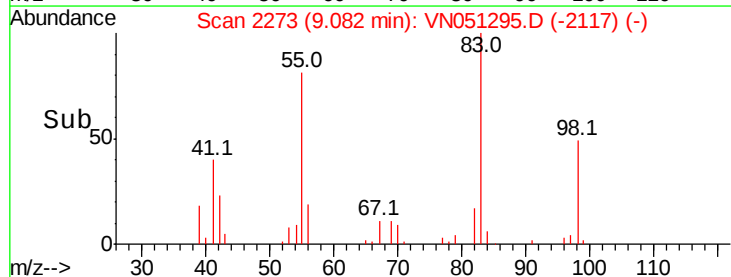
40000

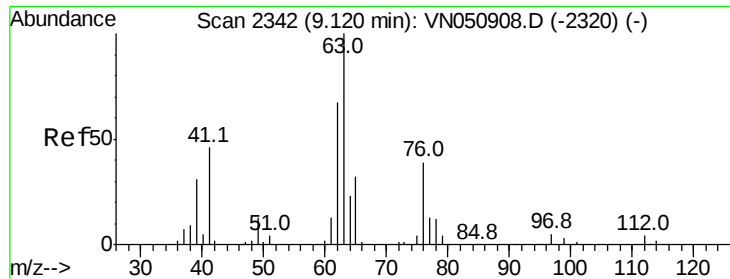
20000

0

Time-->

9.00 9.05 9.10 9.15





#39

1,2-Dichloropropane

Concen: 13.686 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN051295.D

Acq: 18 Sep 2018 14:11

Instrument :

MSVOA_N

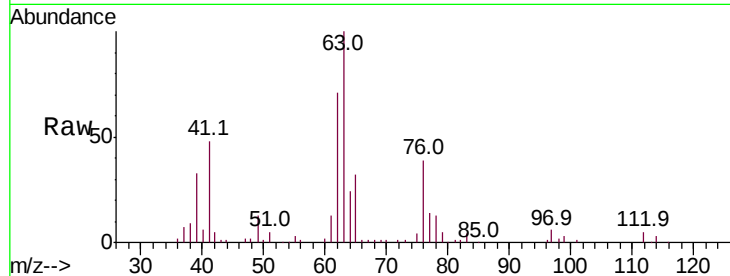
ClientSampleId :

Tot Ion: 63 Resp: 121823

Ion Ratio Lower Upper

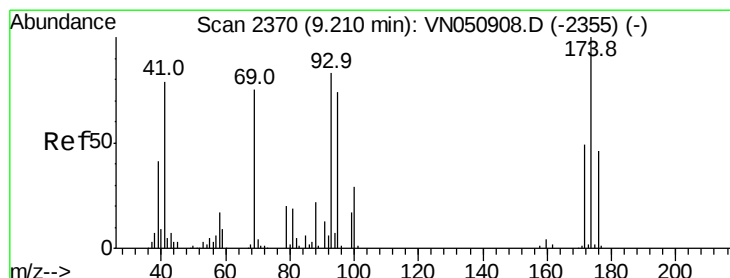
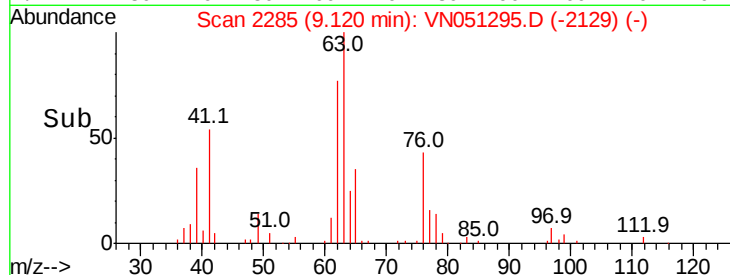
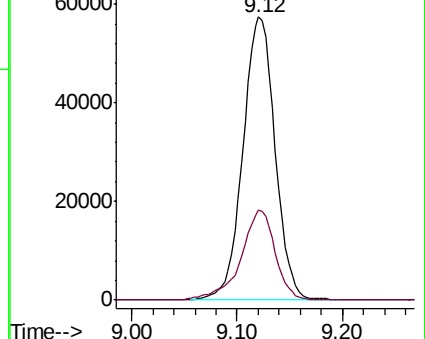
63 100

65 31.6 25.6 38.4



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 13.613 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN051295.D

Acq: 18 Sep 2018 14:11

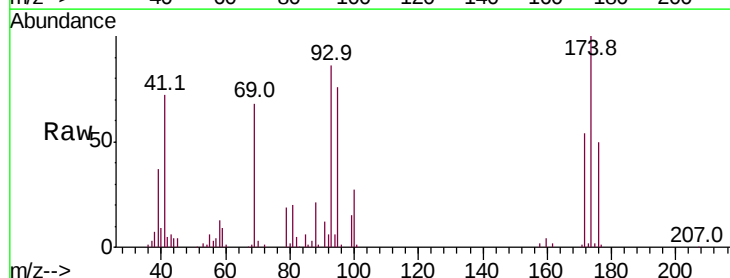
Tgt Ion: 93 Resp: 72996

Ion Ratio Lower Upper

93 100

95 84.8 0.0 173.4

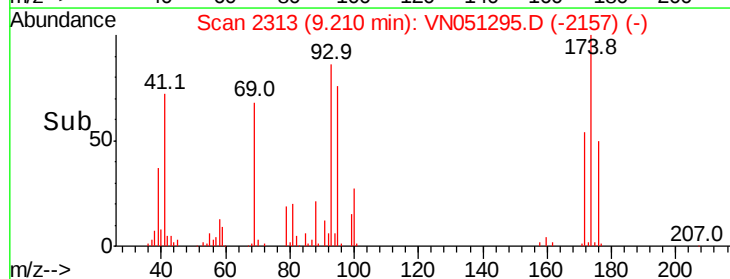
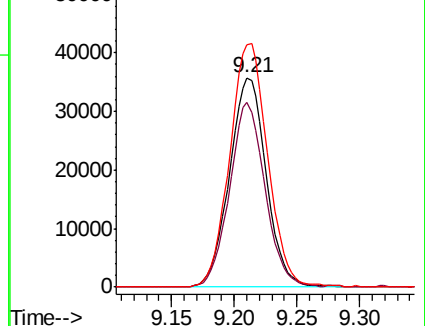
174 119.9 0.0 234.8

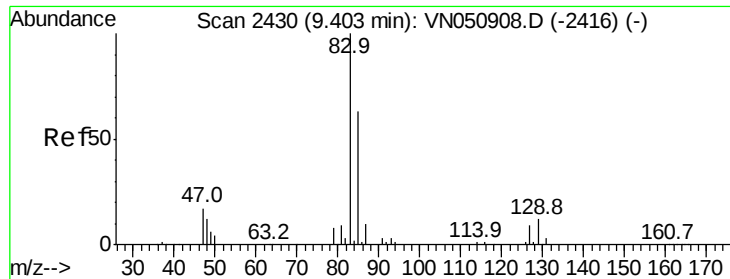


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 13.766 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN051295.D

Acq: 18 Sep 2018 14:11

Instrument :

MSVOA_N

ClientSampled :

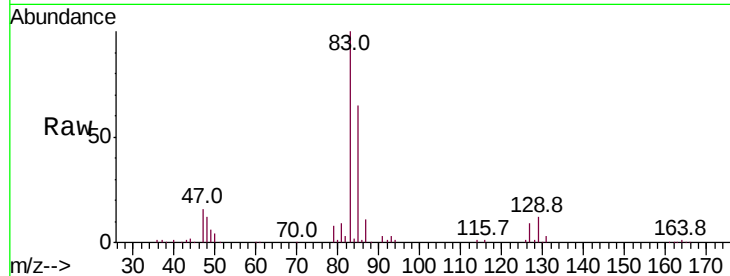
Tot Ion: 83 Resp: 155608

Ion Ratio Lower Upper

83 100

85 64.9 50.6 76.0

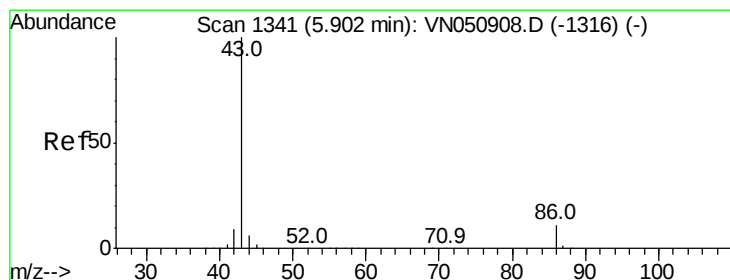
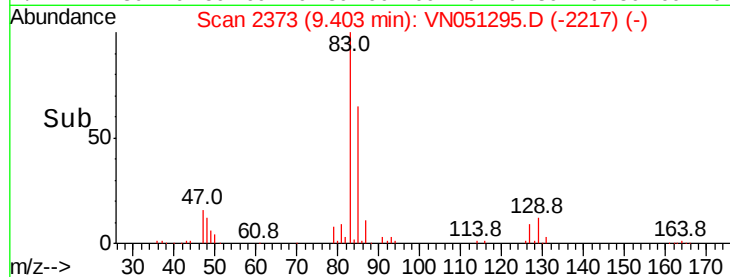
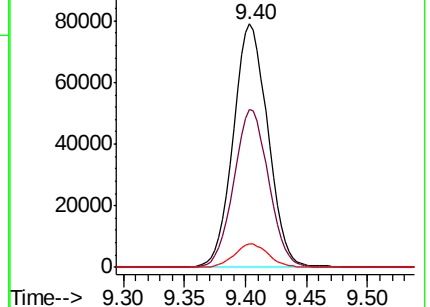
127 9.4 7.1 10.7



Abundance Ion 83.00 (82.70 to 83.70): VN051295.D (-2373) (-)

Ion 85.00 (84.70 to 85.70): VN051295.D (-2373) (-)

Ion 127.00 (126.70 to 127.70): VN051295.D (-2373) (-)



#42

Vinyl Acetate

Concen: 64.583 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN051295.D

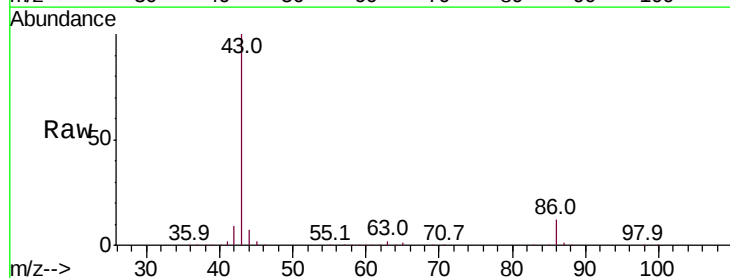
Acq: 18 Sep 2018 14:11

Tgt Ion: 43 Resp: 1008239

Ion Ratio Lower Upper

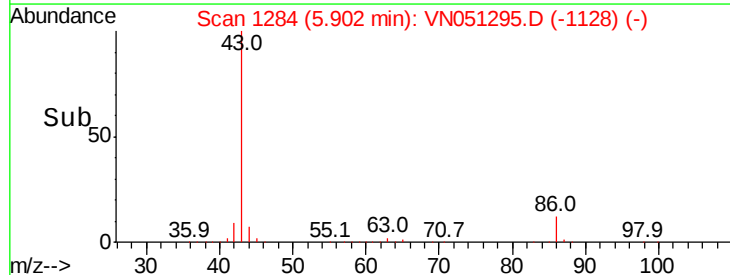
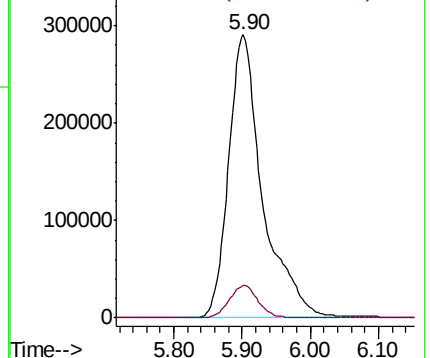
43 100

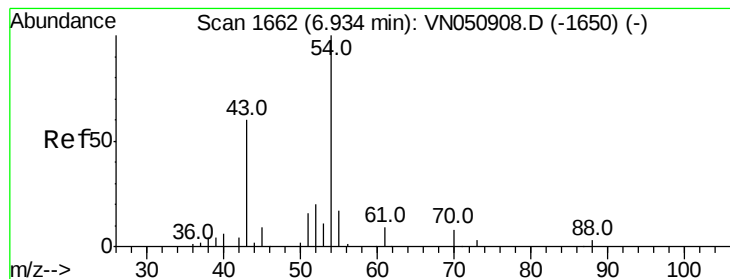
86 9.9 7.2 10.8



Abundance Ion 43.00 (42.70 to 43.70): VN051295.D (-1284) (-)

Ion 86.00 (85.70 to 86.70): VN051295.D (-1284) (-)





#43

Ethyl Acetate

Concen: 11.931 ug/l

RT: 6.93 min Scan# 1605

Delta R.T. 0.00 min

Lab File: VN051295.D

Acq: 18 Sep 2018 14:11

Instrument :

MSVOA_N

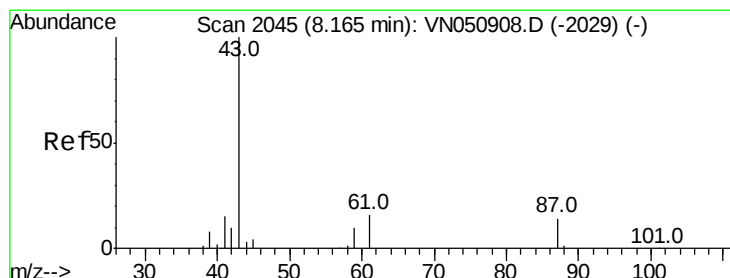
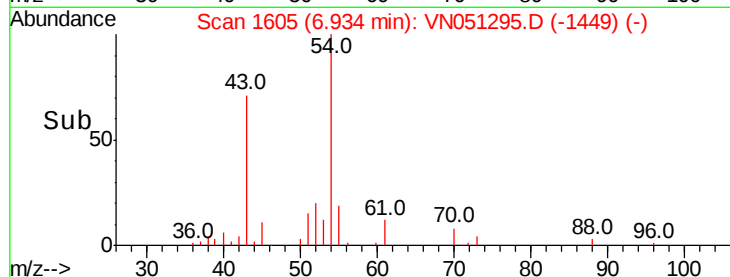
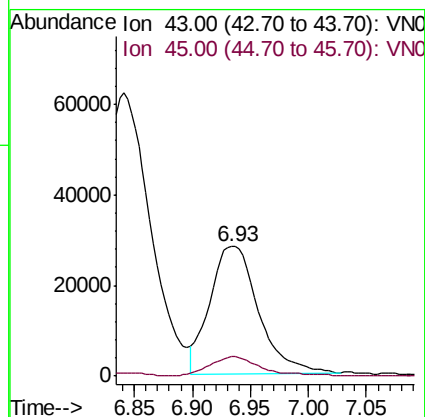
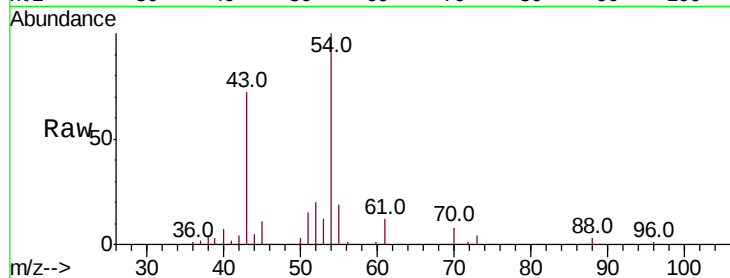
ClientSampleId :

Tot Ion: 43 Resp: 82839

Ion Ratio Lower Upper

43 100

45 15.8 10.2 15.2#



#44

Isopropyl Acetate

Concen: 12.000 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN051295.D

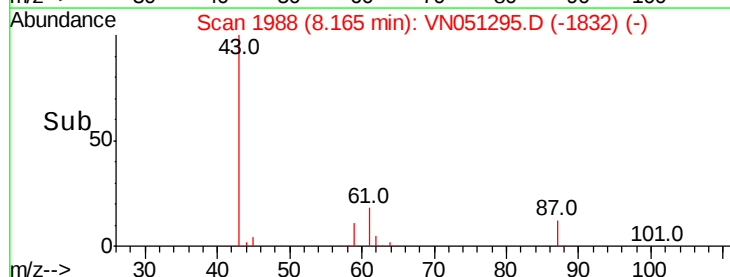
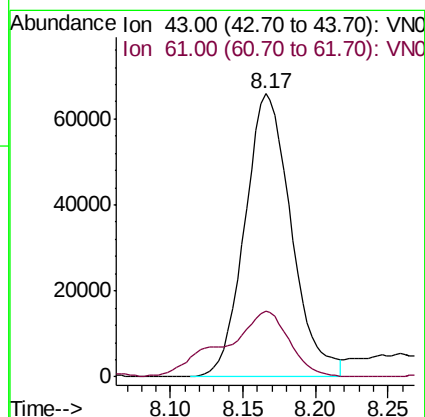
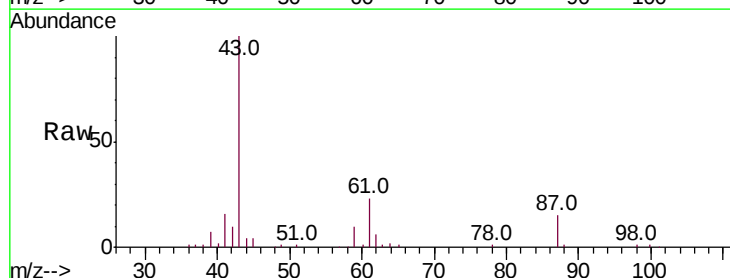
Acq: 18 Sep 2018 14:11

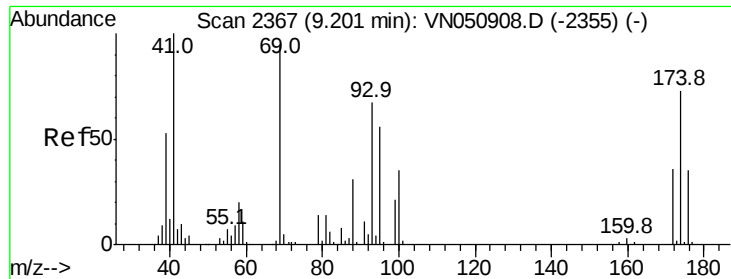
Tgt Ion: 43 Resp: 147022

Ion Ratio Lower Upper

43 100

61 22.4 16.3 24.5

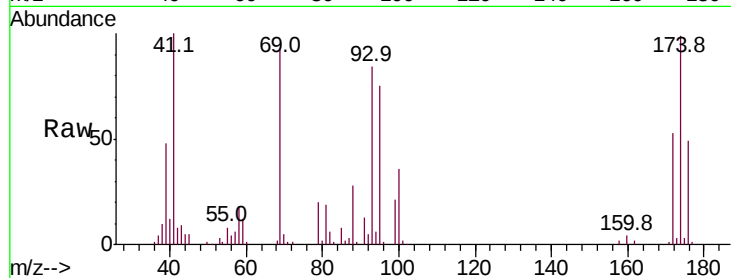




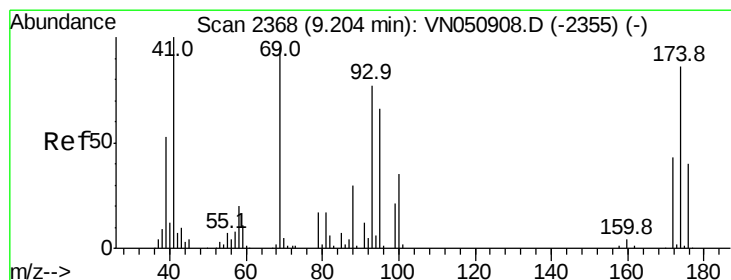
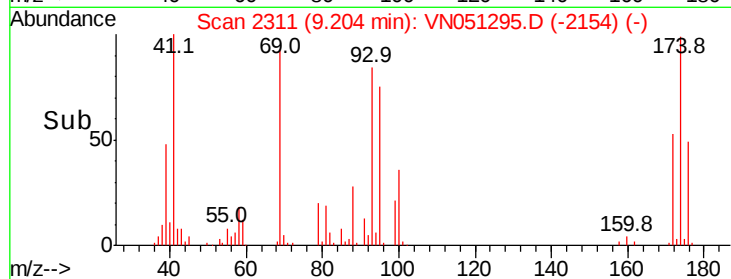
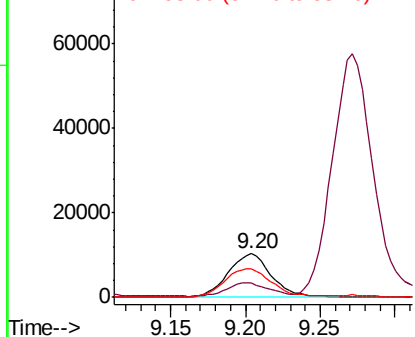
#45
1,4-Dioxane
Concen: 229.685 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN051295.D
Acq: 18 Sep 2018 14:11

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 20904
Ion Ratio Lower Upper
88 100
43 30.3 23.5 35.3
58 71.6 55.2 82.8

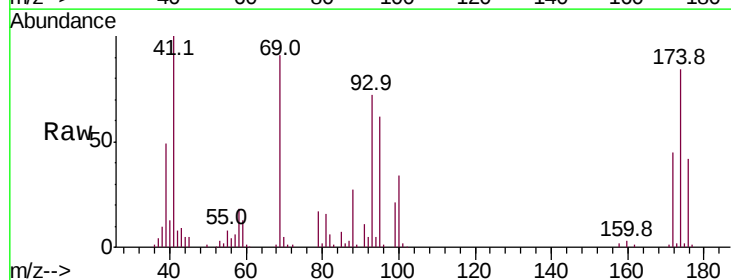


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

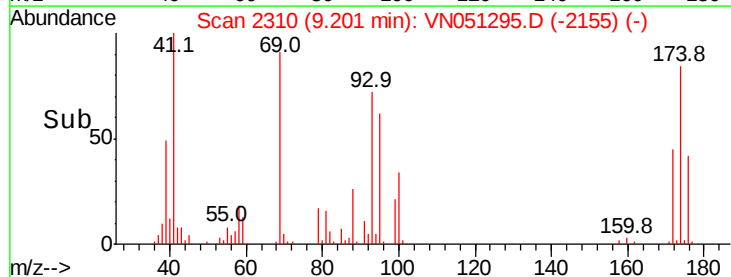
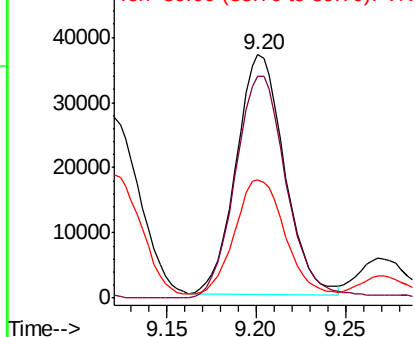


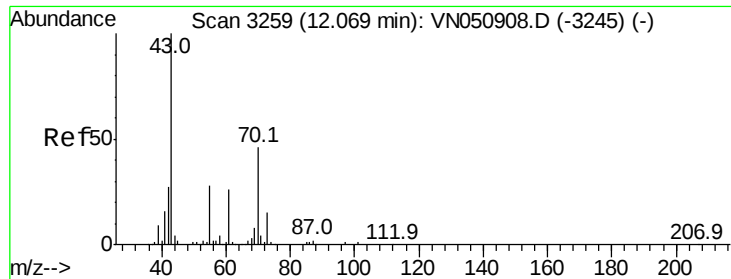
#46
Methyl methacrylate
Concen: 11.261 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN051295.D
Acq: 18 Sep 2018 14:11

Tgt Ion: 41 Resp: 69098
Ion Ratio Lower Upper
41 100
69 93.1 47.4 142.2
39 48.0 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

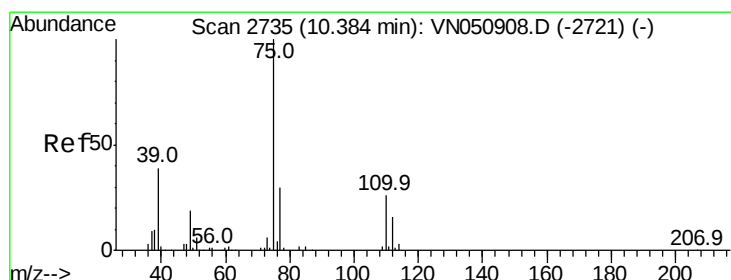
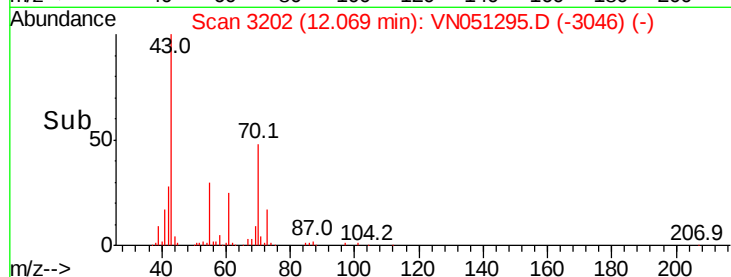
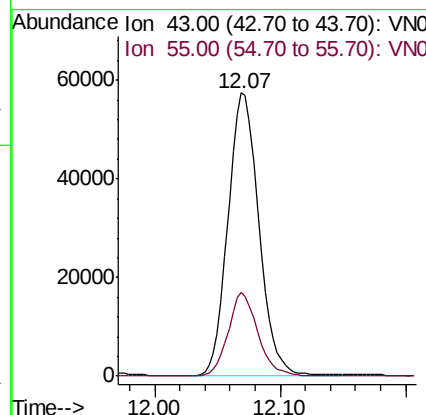
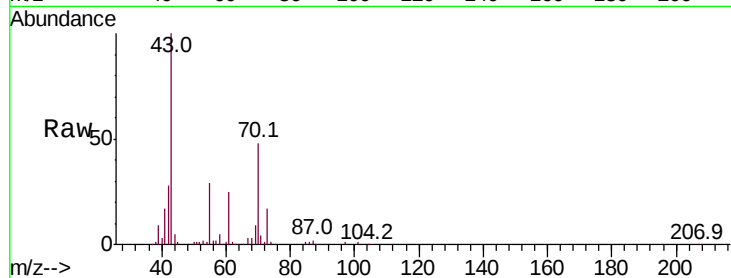




#47
n-amyl Acetate
Concen: 9.910 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN051295.D
Acq: 18 Sep 2018 14:11

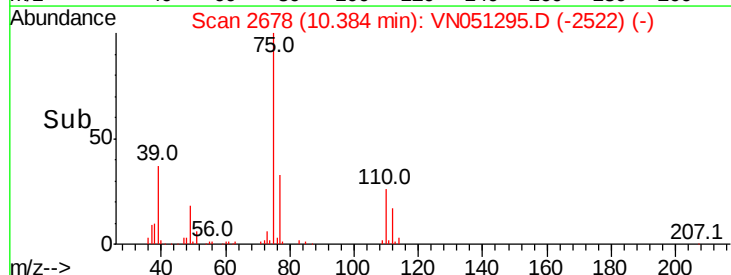
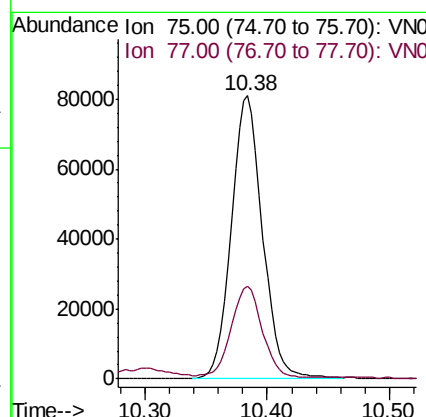
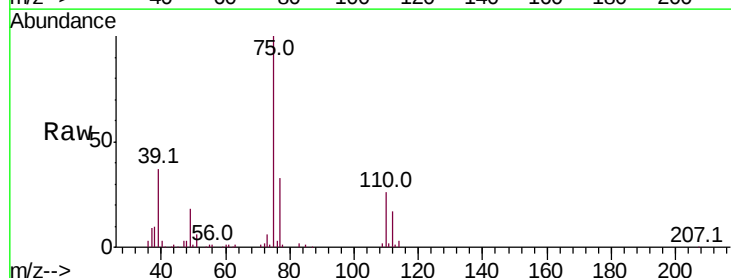
Instrument :
MSVOA_N
ClientSampleId :

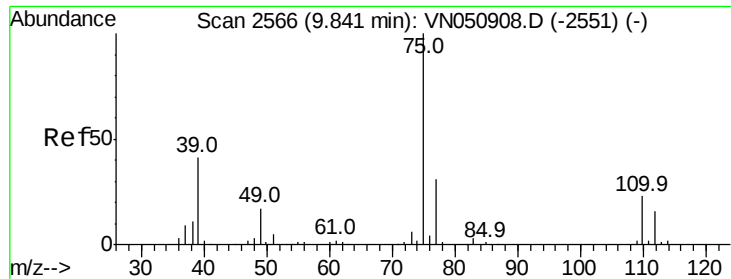
Tot Ion: 43 Resp: 97611
Ion Ratio Lower Upper
43 100
55 28.6 23.0 34.4



#48
t-1,3-Dichloropropene
Concen: 13.028 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN051295.D
Acq: 18 Sep 2018 14:11

Tgt Ion: 75 Resp: 144348
Ion Ratio Lower Upper
75 100
77 32.2 24.8 37.2



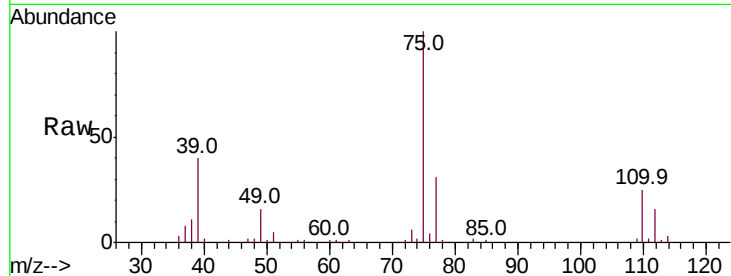


#49

cis-1,3-Dichloropropene
Concen: 13.616 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN051295.D
Acq: 18 Sep 2018 14:11

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.0	37.4
39	39.6	32.9	49.3

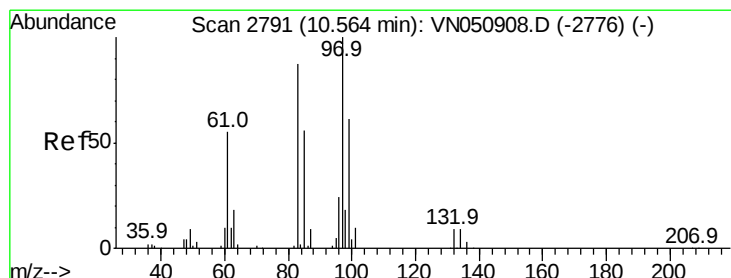
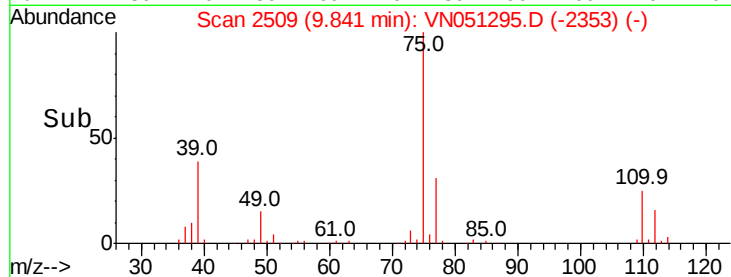
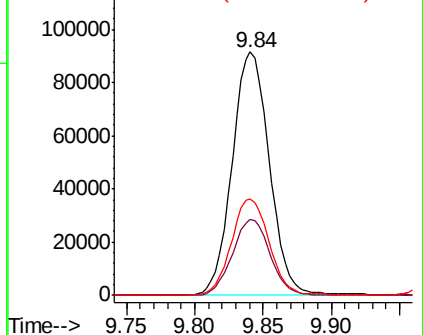


Abundance

Ion 75.00 (74.70 to 75.70): VNO

Ion 77.00 (76.70 to 77.70): VNO

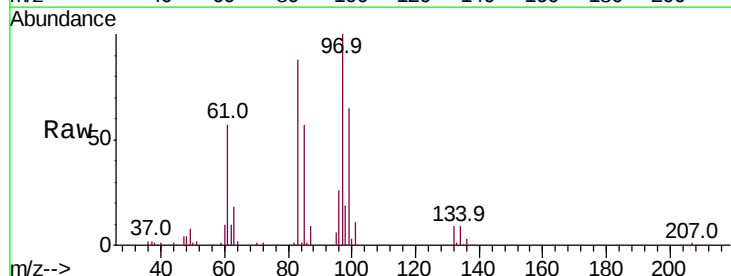
Ion 39.00 (38.70 to 39.70): VNO



#50

1,1,2-Trichloroethane
Concen: 13.578 ug/l
RT: 10.56 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VN051295.D
Acq: 18 Sep 2018 14:11

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.9	69.8	104.6
85	57.5	45.0	67.6
99	64.7	49.1	73.7



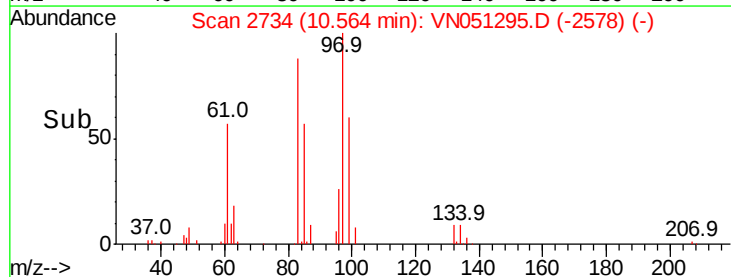
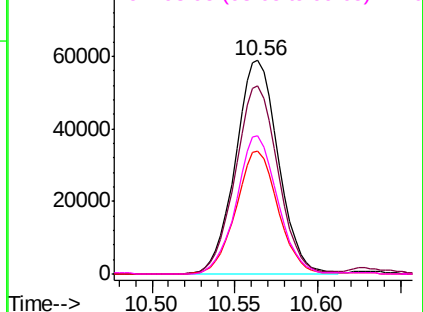
Abundance

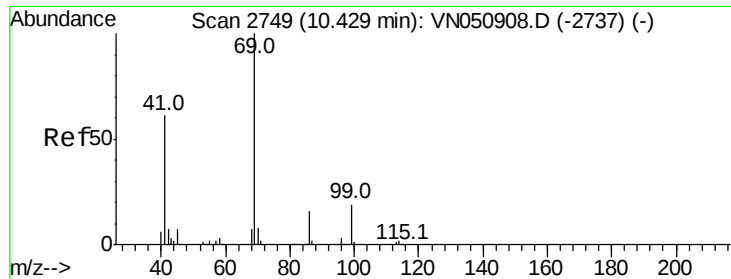
Ion 97.00 (96.70 to 97.70): VNO

Ion 82.95 (82.65 to 83.65): VNO

Ion 84.95 (84.65 to 85.65): VNO

Ion 98.95 (98.65 to 99.65): VNO





#51

Ethyl methacrylate

Concen: 12.003 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN051295.D

Acq: 18 Sep 2018 14:11

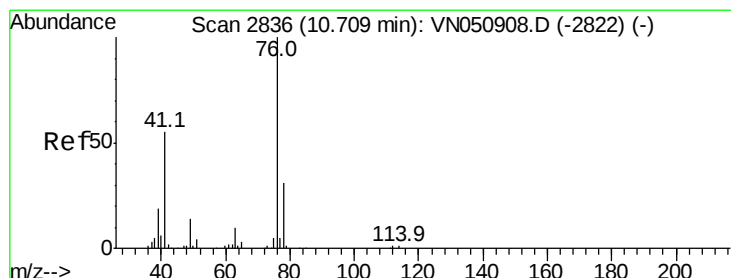
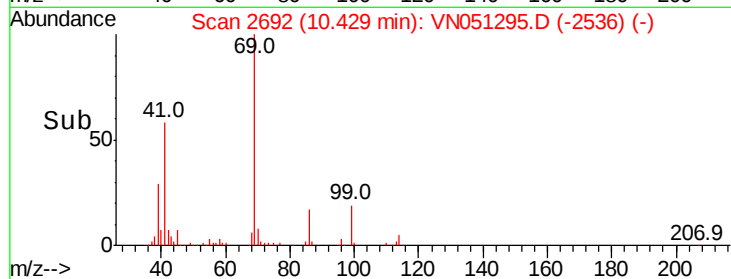
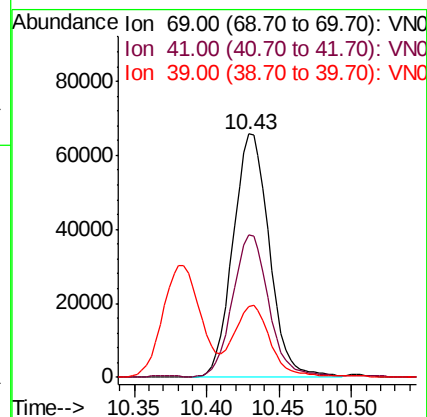
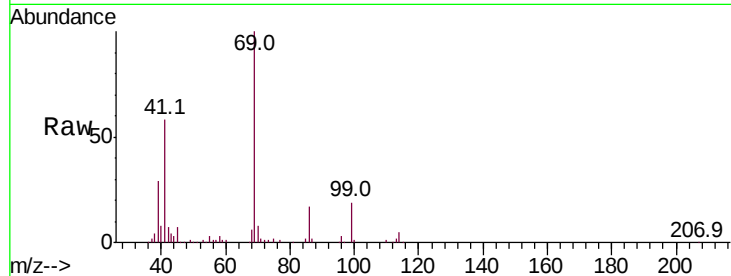
Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 69 Resp: 114417

Ion	Ratio	Lower	Upper
69	100		
41	58.0	30.5	91.5
39	28.5	15.3	45.8



#52

1,3-Dichloropropane

Concen: 13.493 ug/l

RT: 10.71 min Scan# 2779

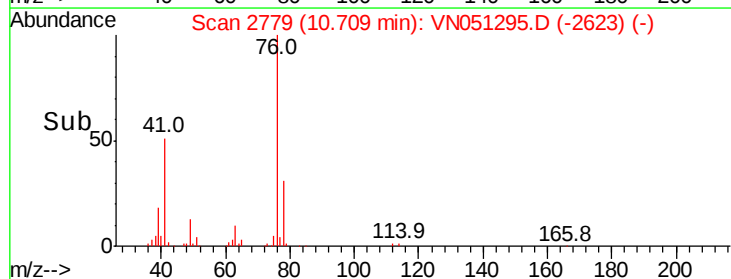
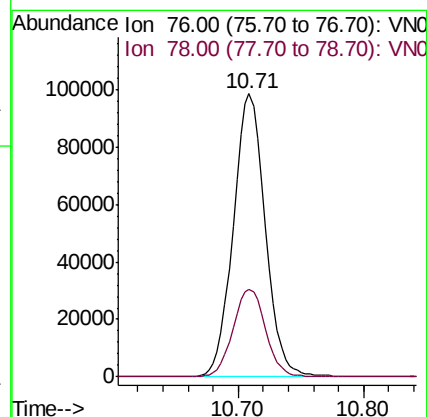
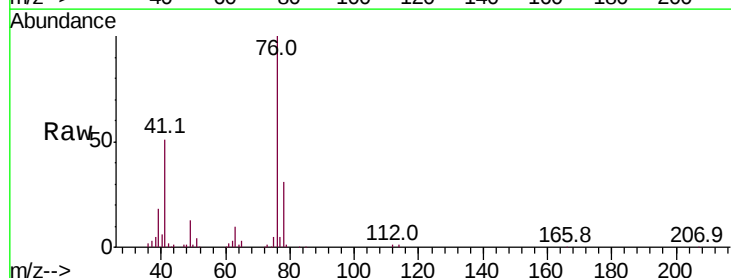
Delta R.T. 0.00 min

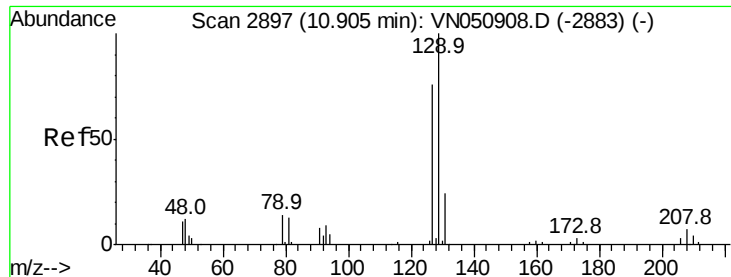
Lab File: VN051295.D

Acq: 18 Sep 2018 14:11

Tgt Ion: 76 Resp: 174135

Ion	Ratio	Lower	Upper
76	100		
78	31.6	0.0	63.4

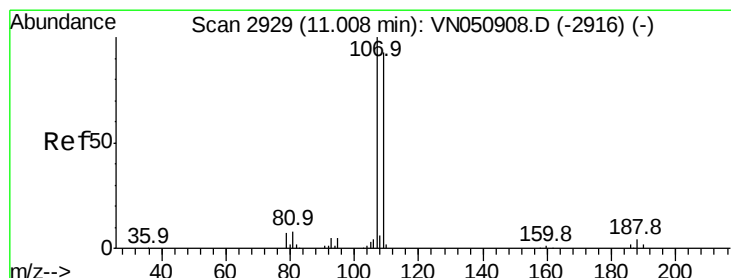
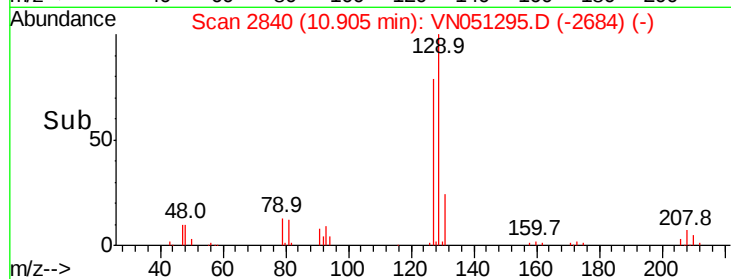
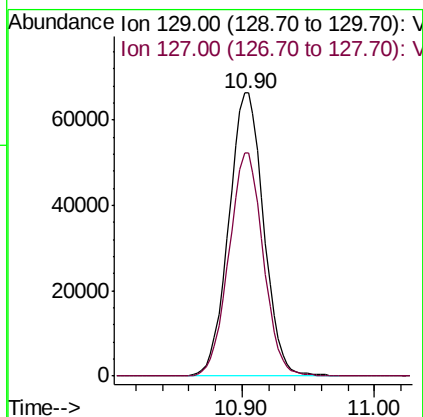
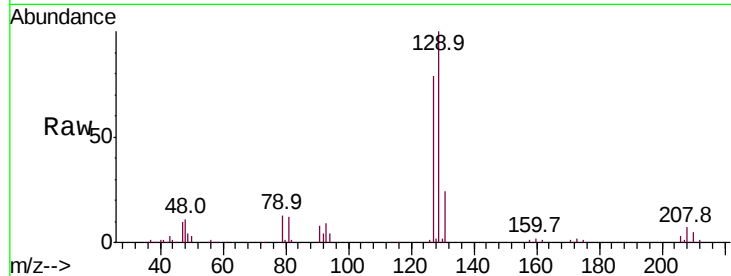




#53
 Dibromochloromethane
 Concen: 13.643 ug/l
 RT: 10.90 min Scan# 2840
 Delta R.T. 0.00 min
 Lab File: VN051295.D
 Acq: 18 Sep 2018 14:11

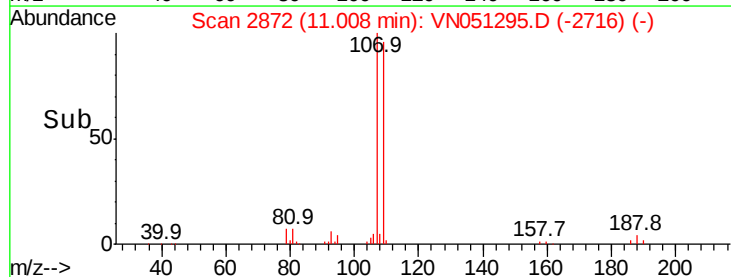
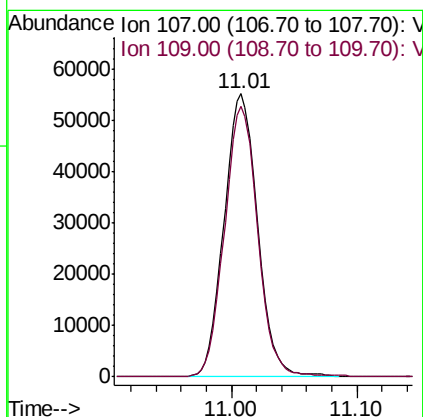
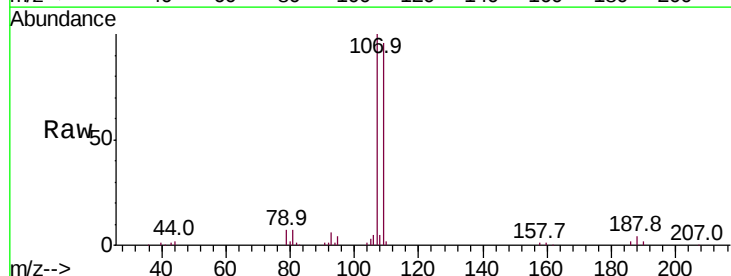
Instrument :
 MSVOA_N
 ClientSampleId :

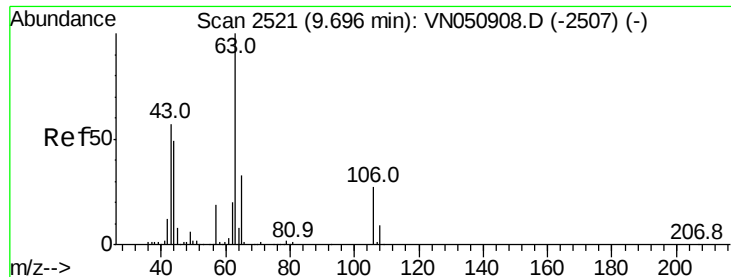
Tot Ion:129 Resp: 120871
 Ion Ratio Lower Upper
 129 100
 127 77.7 39.0 116.9



#54
 1,2-Dibromoethane
 Concen: 13.274 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN051295.D
 Acq: 18 Sep 2018 14:11

Tgt Ion:107 Resp: 102261
 Ion Ratio Lower Upper
 107 100
 109 94.5 74.4 111.6





#55

2-Chloroethyl vinyl ether

Concen: 61.976 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051295.D

Acq: 18 Sep 2018 14:11

Instrument :

MSVOA_N

ClientSampled :

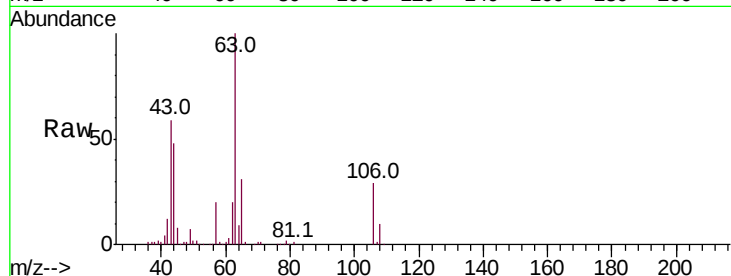
Tot Ion: 63 Resp: 245818

Ion Ratio Lower Upper

63 100

65 31.4 25.4 38.2

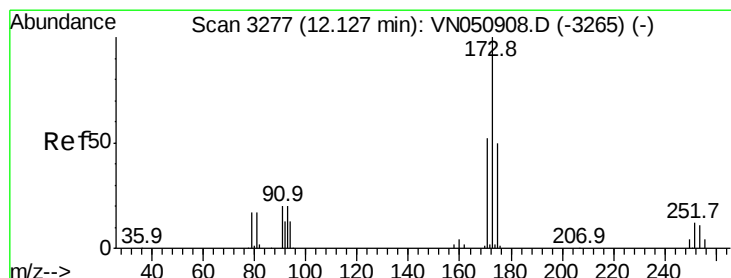
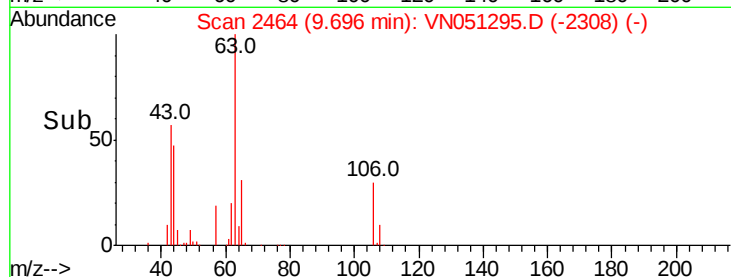
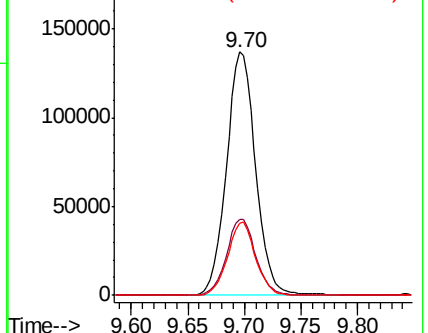
106 28.8 22.0 33.0



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: 12.981 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN051295.D

Acq: 18 Sep 2018 14:11

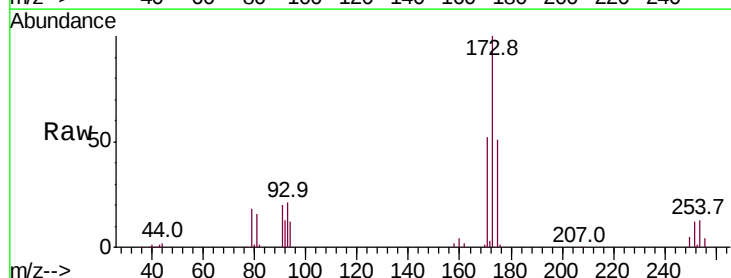
Tgt Ion:173 Resp: 81790

Ion Ratio Lower Upper

173 100

175 48.2 39.2 58.8

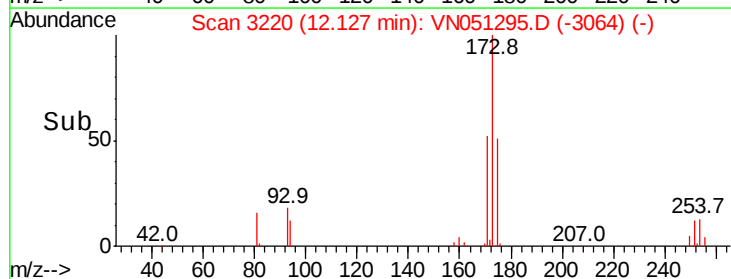
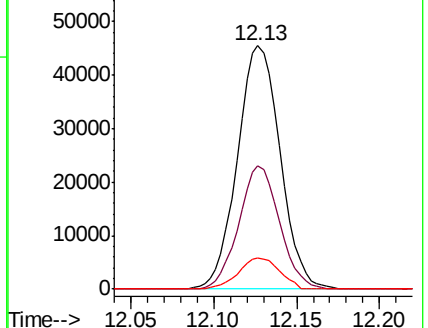
254 12.2 9.0 13.6

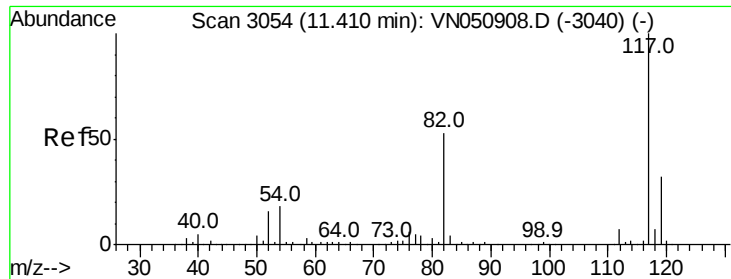


Abundance Ion 173.00 (172.70 to 173.70): VN050908.D (-3265) (-)

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

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

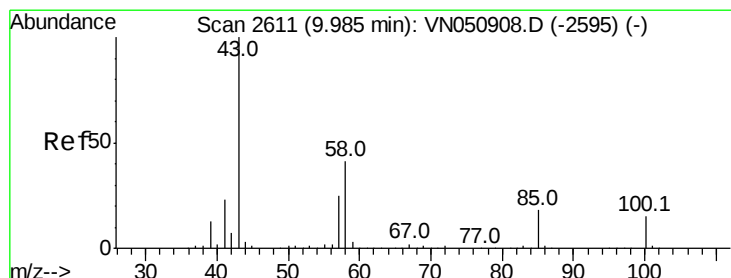
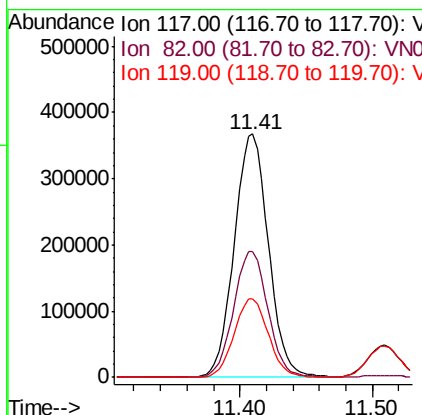
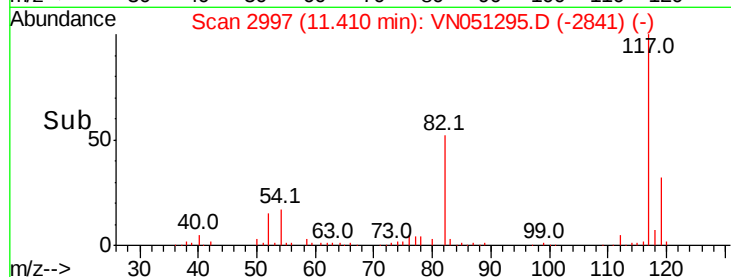
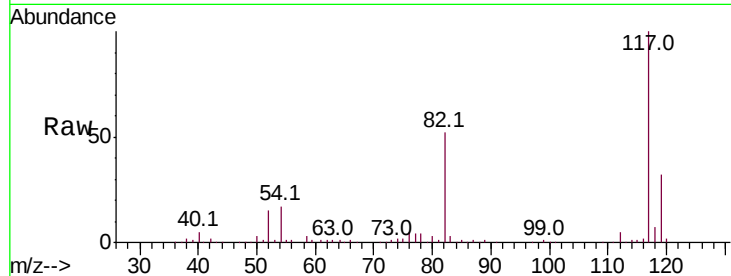




#57
 Chlorobenzene-d5
 Concen: 30.000 ug/l
 RT: 11.41 min Scan# 2997
 Delta R.T. 0.00 min
 Lab File: VN051295.D
 Acq: 18 Sep 2018 14:11

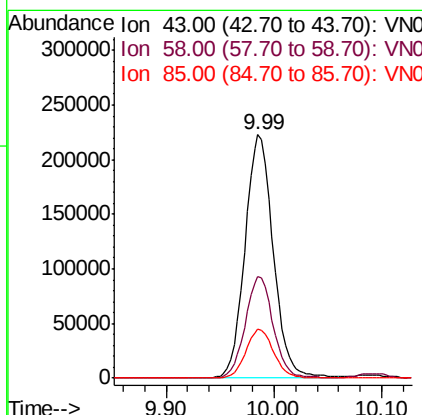
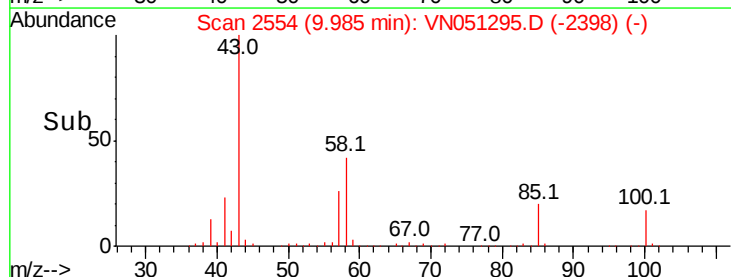
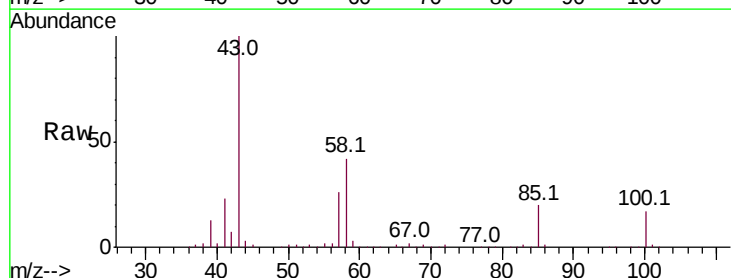
Instrument :
 MSVOA_N
 ClientSampled :

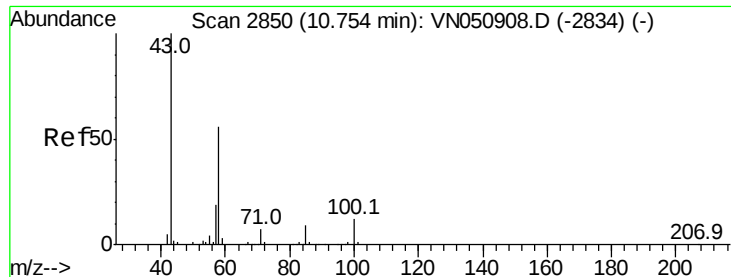
Tot Ion:117 Resp: 658901
 Ion Ratio Lower Upper
 117 100
 82 52.1 42.6 64.0
 119 32.4 25.7 38.5



#58
 4-Methyl-2-Pentanone
 Concen: 53.660 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN051295.D
 Acq: 18 Sep 2018 14:11

Tgt Ion: 43 Resp: 404533
 Ion Ratio Lower Upper
 43 100
 58 41.4 32.3 48.5
 85 19.7 14.9 22.3

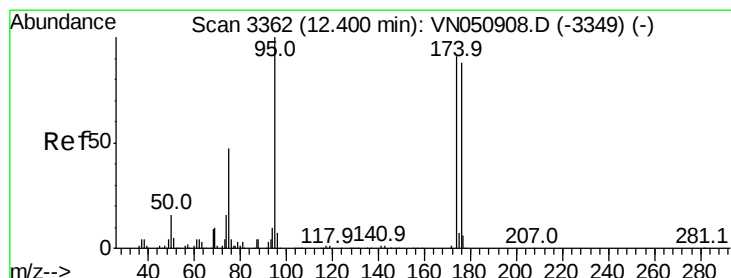
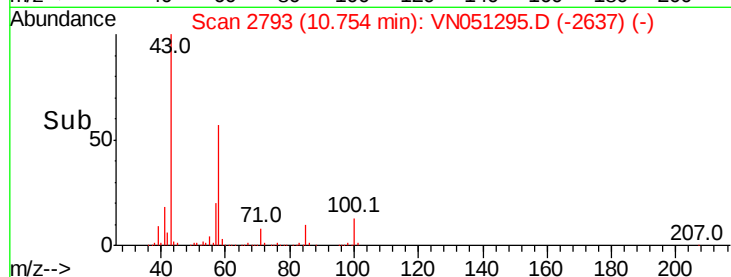
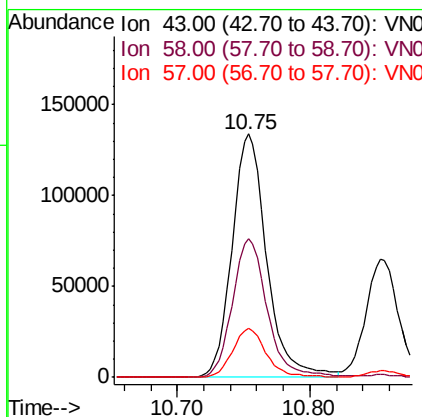
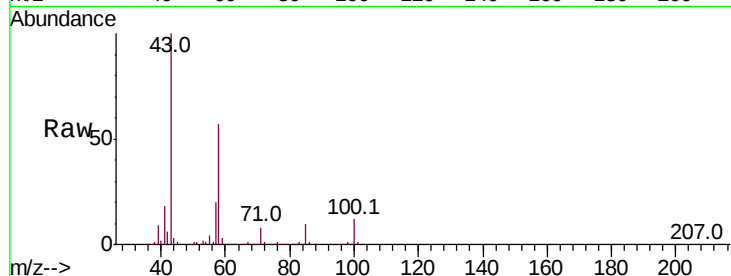




#59
2-Hexanone
Concen: 48.941 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051295.D
Acq: 18 Sep 2018 14:11

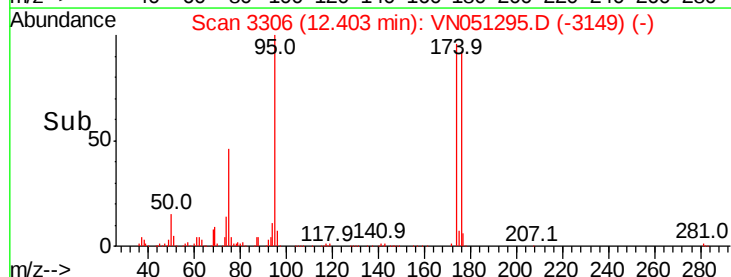
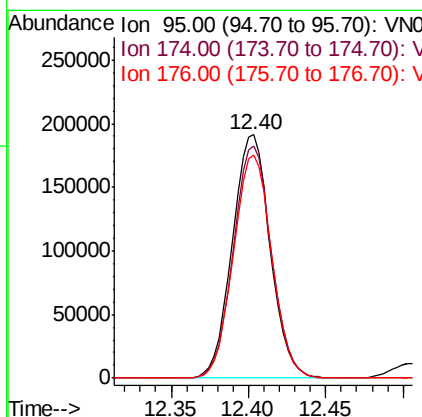
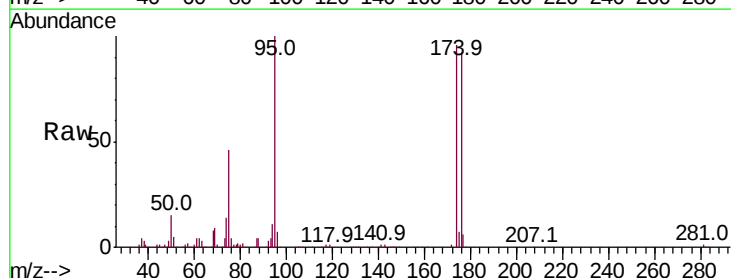
Instrument :
MSVOA_N
ClientSampleId :

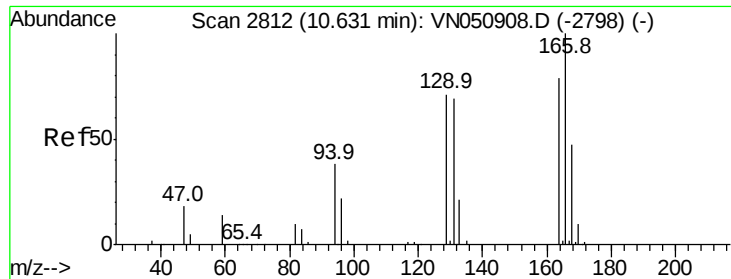
Tot Ion: 43 Resp: 241168
Ion Ratio Lower Upper
43 100
58 57.6 45.5 68.3
57 19.6 15.2 22.8



#60
4-Bromofluorobenzene
Concen: 33.110 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051295.D
Acq: 18 Sep 2018 14:11

Tgt Ion: 95 Resp: 324411
Ion Ratio Lower Upper
95 100
174 96.2 74.6 112.0
176 92.9 71.5 107.3





#61

Tetrachloroethene

Concen: 14.901 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN051295.D

Acq: 18 Sep 2018 14:11

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:164 Resp: 122348

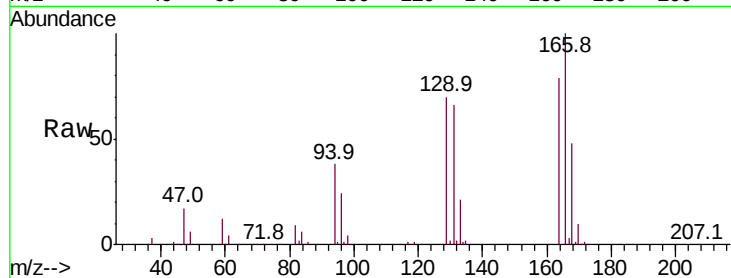
Ion Ratio Lower Upper

164 100

166 125.9 100.6 151.0

129 88.4 71.0 106.6

131 82.9 69.3 103.9

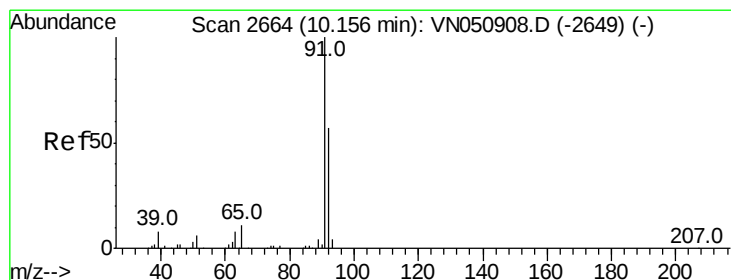
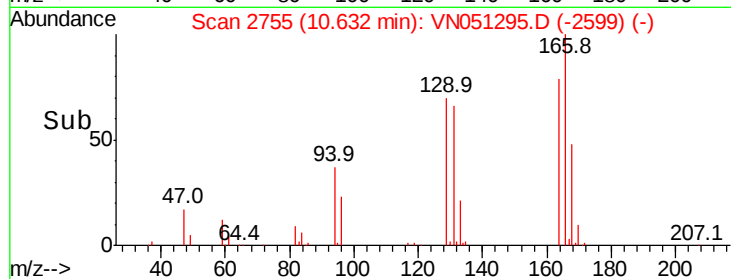
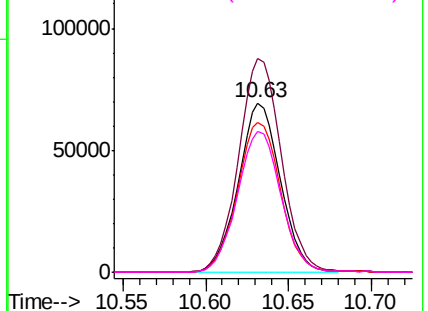


Abundance Ion 163.85 (163.55 to 164.55): V

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: 13.899 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051295.D

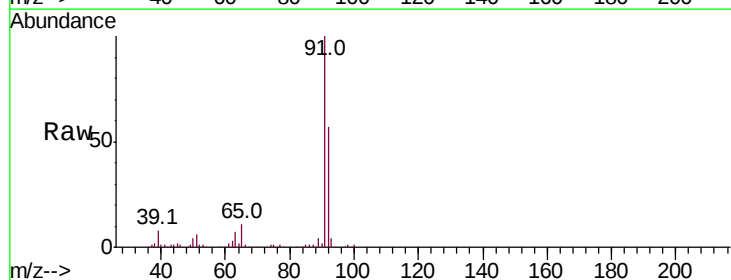
Acq: 18 Sep 2018 14:11

Tgt Ion: 91 Resp: 510910

Ion Ratio Lower Upper

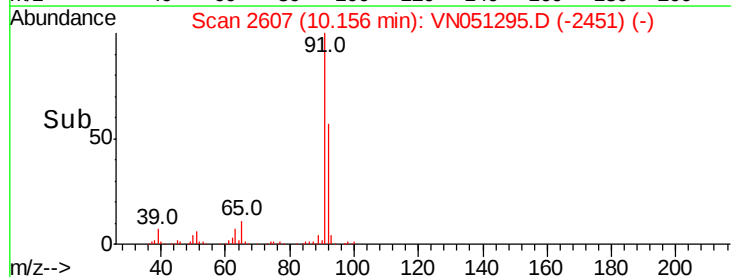
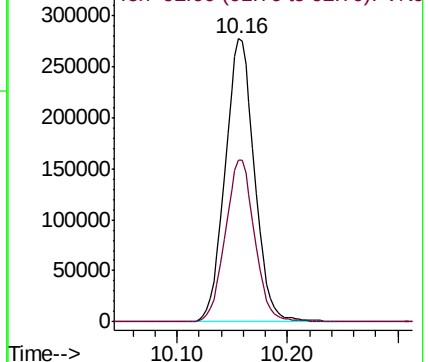
91 100

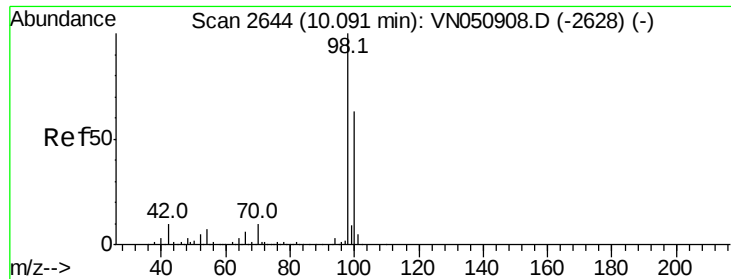
92 57.2 45.8 68.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 35.051 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051295.D

Acq: 18 Sep 2018 14:11

Instrument :

MSVOA_N

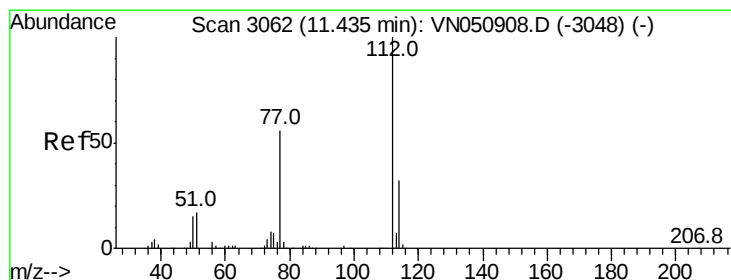
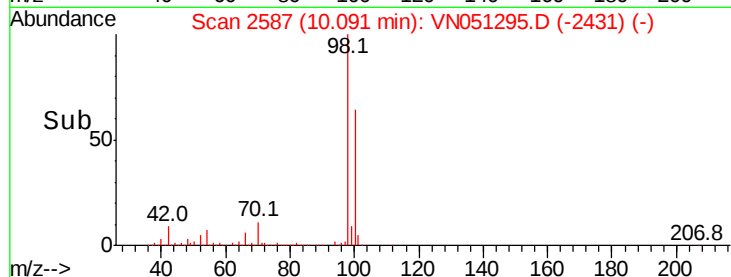
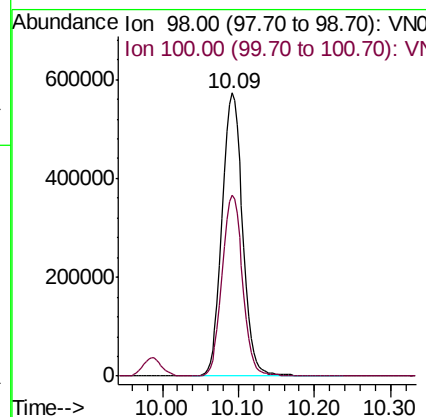
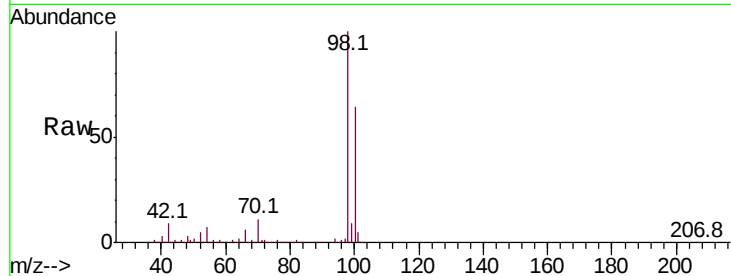
ClientSampleId :

Tot Ion: 98 Resp: 1077022

Ion Ratio Lower Upper

98 100

100 64.0 50.6 75.8



#64

Chlorobenzene

Concen: 13.858 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN051295.D

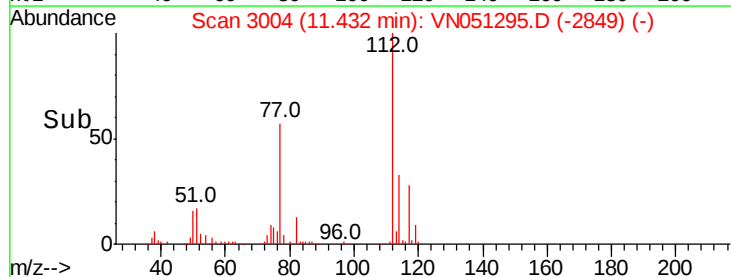
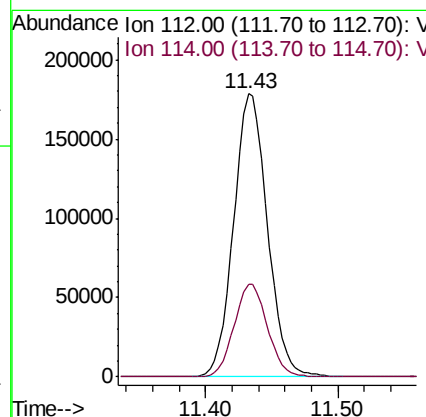
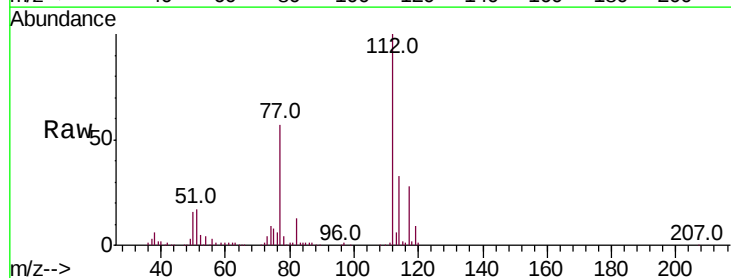
Acq: 18 Sep 2018 14:11

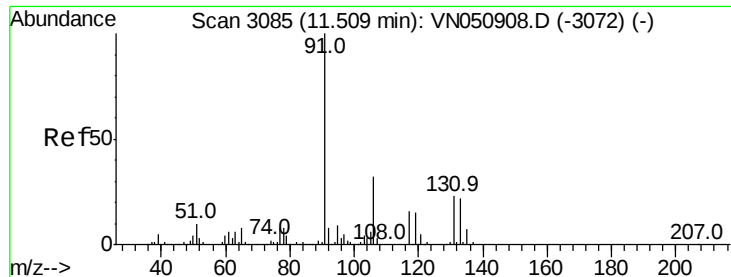
Tgt Ion: 112 Resp: 315717

Ion Ratio Lower Upper

112 100

114 32.7 25.5 38.3





#65

1,1,1,2-Tetrachloroethane

Concen: 14.181 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051295.D

Acq: 18 Sep 2018 14:11

Instrument :

MSVOA_N

ClientSampled :

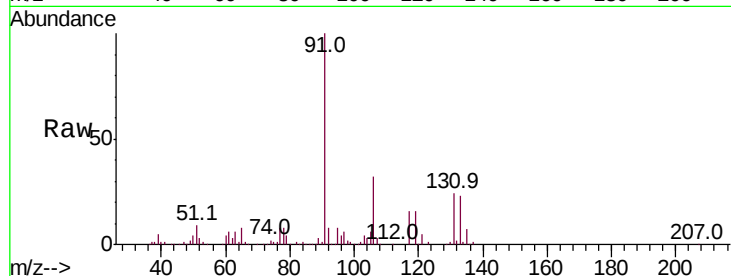
Tot Ion:131 Resp: 121985

Ion Ratio Lower Upper

131 100

133 95.7 0.0 189.4

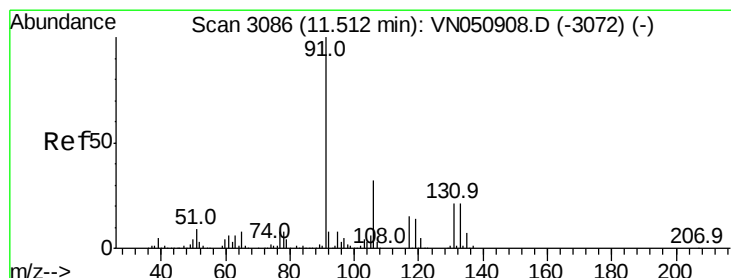
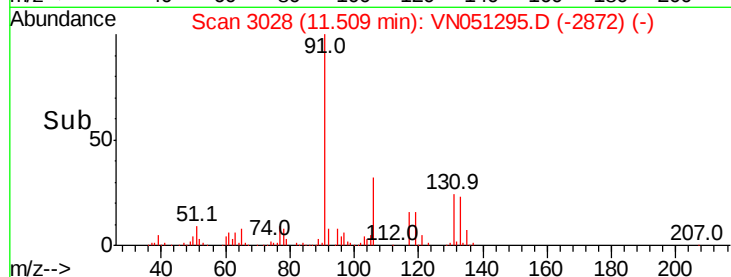
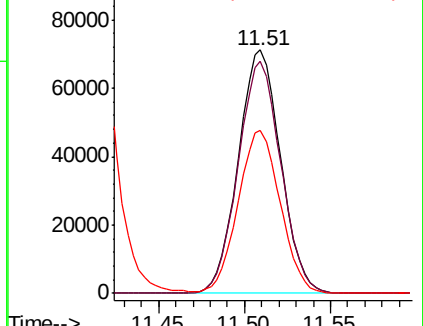
119 66.6 0.0 132.2



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 13.352 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN051295.D

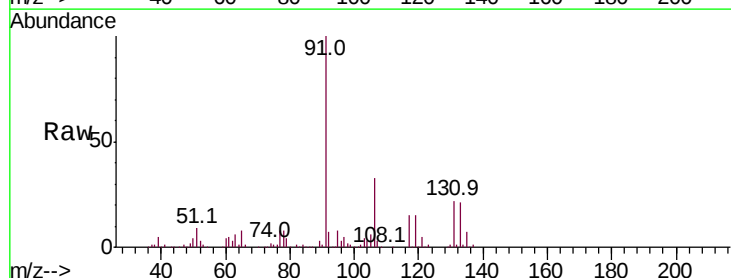
Acq: 18 Sep 2018 14:11

Tgt Ion: 91 Resp: 508386

Ion Ratio Lower Upper

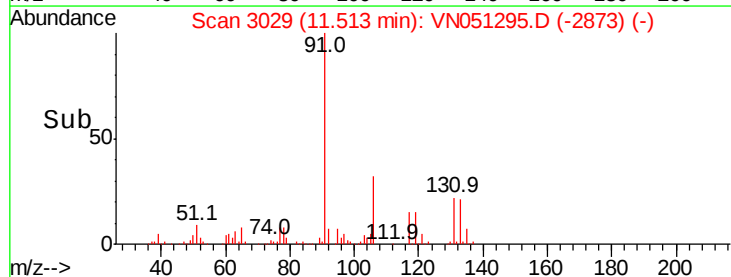
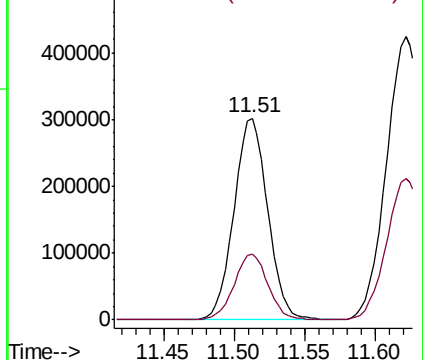
91 100

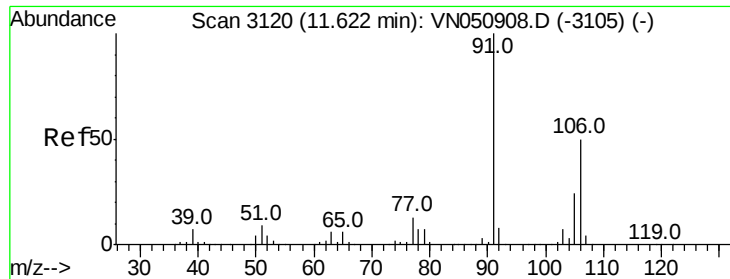
106 32.6 25.7 38.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

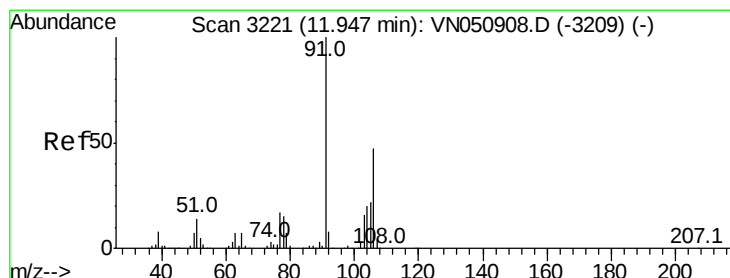
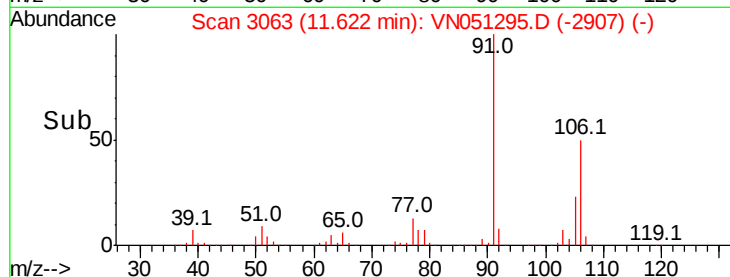
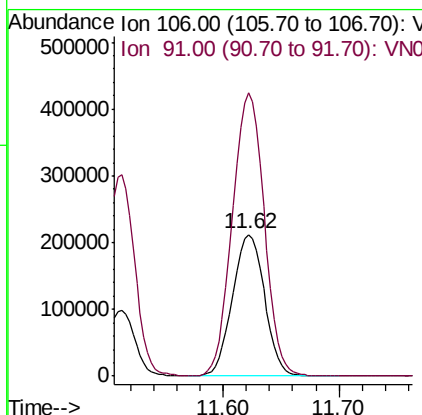
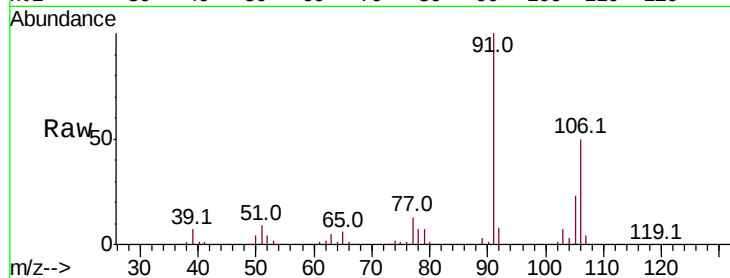




#67
m/p-Xylenes
Concen: 27.804 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN051295.D
Acq: 18 Sep 2018 14:11

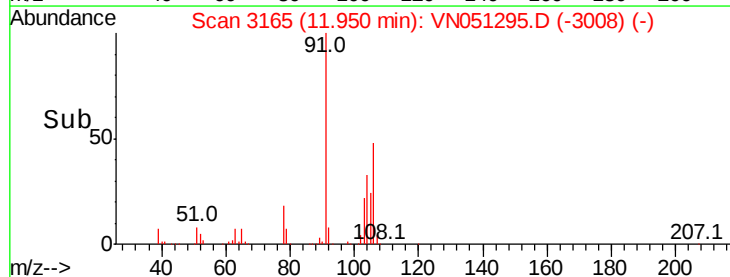
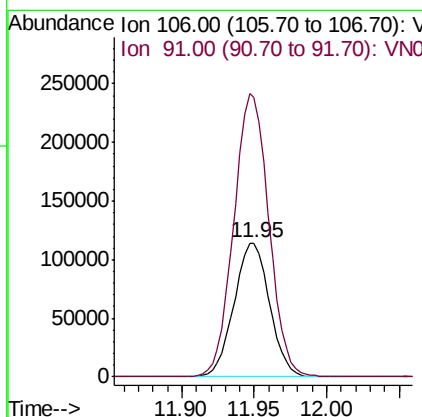
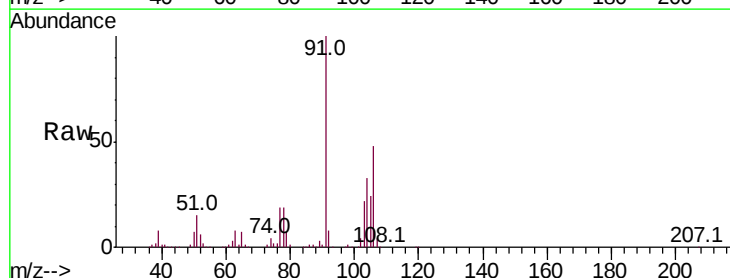
Instrument :
MSVOA_N
ClientSampled :

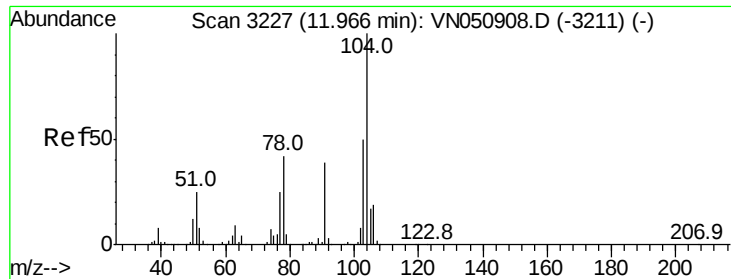
Tot Ion:106 Resp: 407338
Ion Ratio Lower Upper
106 100
91 198.2 160.6 241.0



#68
o-Xylene
Concen: 13.872 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN051295.D
Acq: 18 Sep 2018 14:11

Tgt Ion:106 Resp: 194187
Ion Ratio Lower Upper
106 100
91 209.3 106.4 319.2





#69

Stvrene

Concen: 13.561 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. -0.00 min

Lab File: VN051295.D

Acq: 18 Sep 2018 14:11

Instrument :

MSVOA_N

ClientSampled :

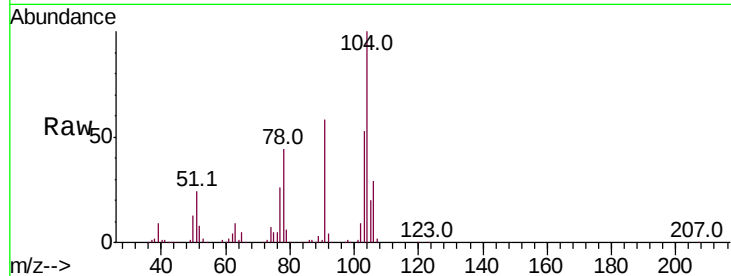
Tot Ion:104 Resp: 301824

Ion Ratio Lower Upper

104 100

78 47.7 38.6 58.0

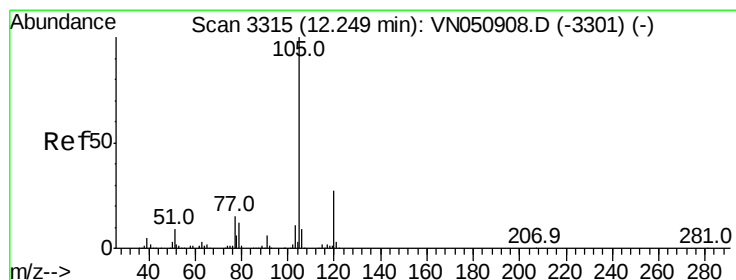
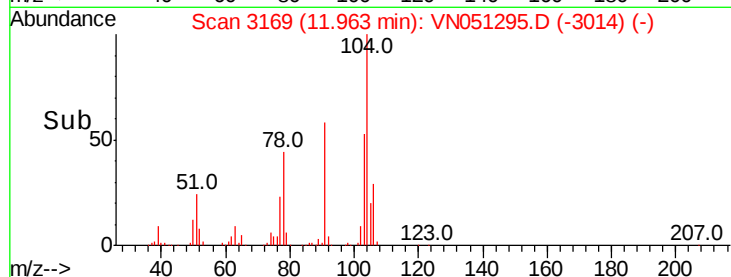
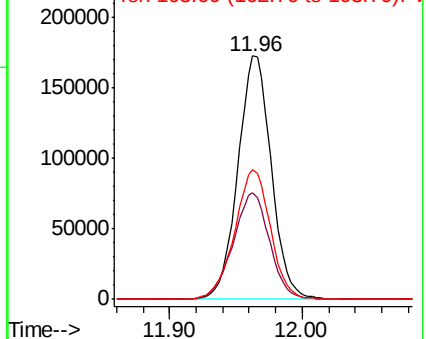
103 57.1 45.4 68.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V



#70

Isopropylbenzene

Concen: 13.537 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN051295.D

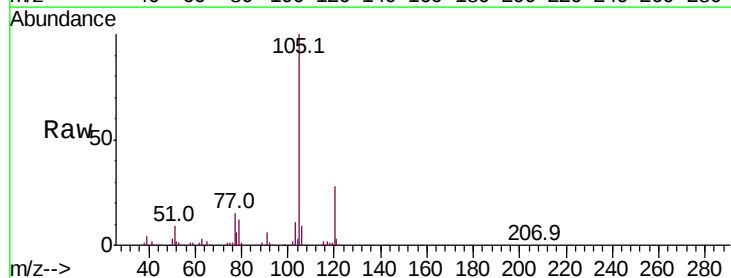
Acq: 18 Sep 2018 14:11

Tgt Ion:105 Resp: 503522

Ion Ratio Lower Upper

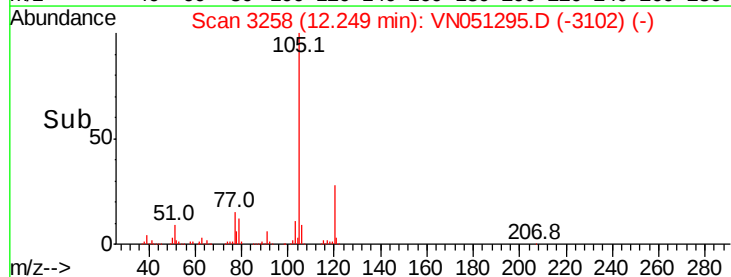
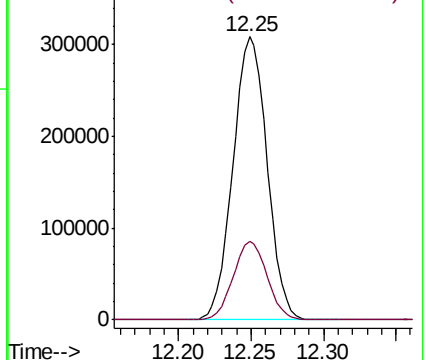
105 100

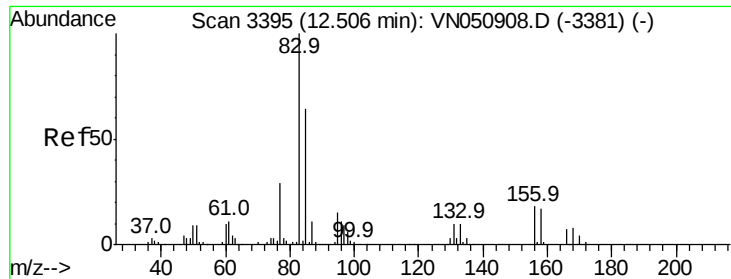
120 27.5 18.6 34.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

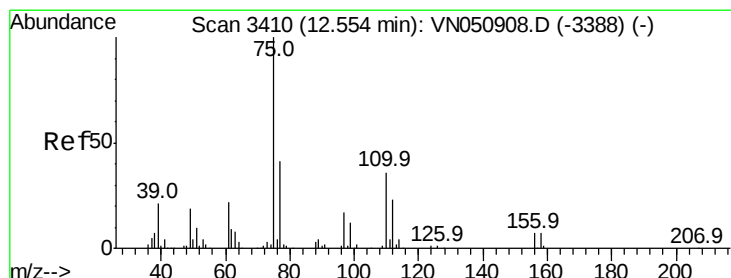
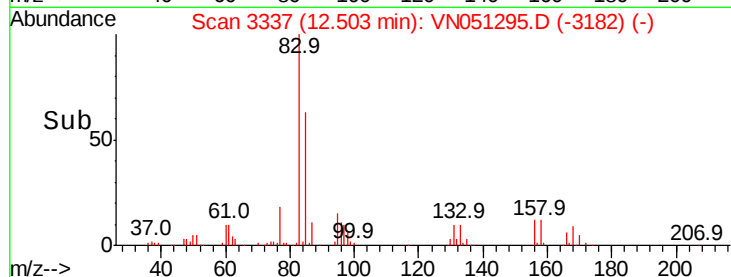
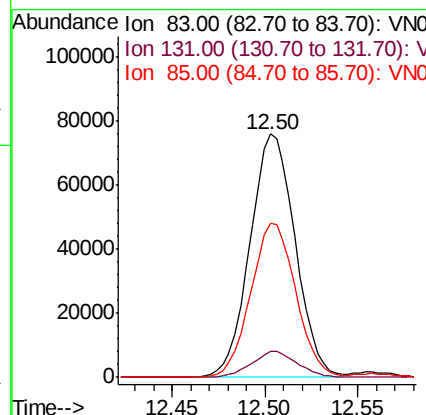
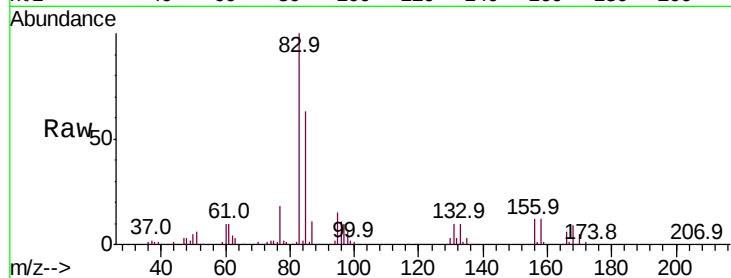




#71
 1,1,2,2-Tetrachloroethane
 Concen: 12.704 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN051295.D
 Acq: 18 Sep 2018 14:11

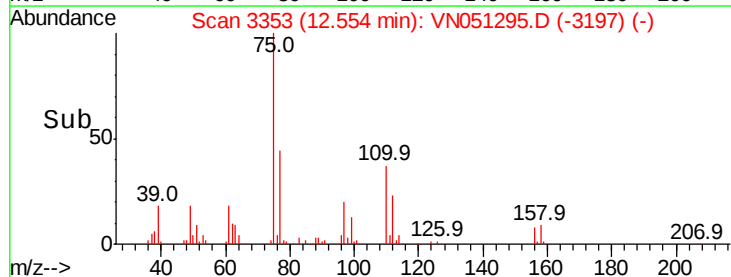
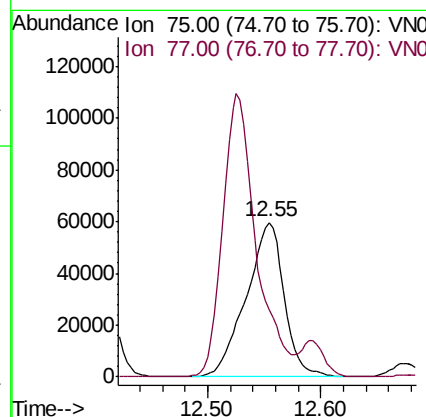
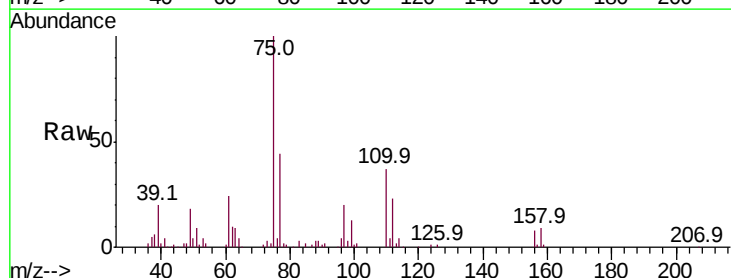
Instrument :
 MSVOA_N
 ClientSampleId :

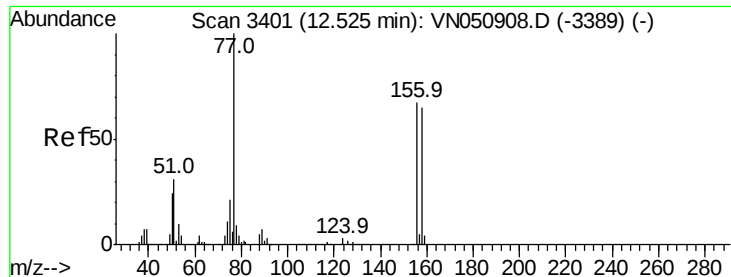
Tot Ion	83	Resp	127941
Ion Ratio	100		
Lower	5.3		
Upper	15.9		
85	63.3	32.3	96.9



#72
 1,2,3-Trichloropropane
 Concen: 16.080 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN051295.D
 Acq: 18 Sep 2018 14:11

Tgt Ion	75	Resp	139719
Ion Ratio	100		
Lower	0.0		
Upper	301.6		
77	160.9		





#73

Bromobenzene

Concen: 13.697 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051295.D

Acq: 18 Sep 2018 14:11

Instrument :

MSVOA_N

ClientSampled :

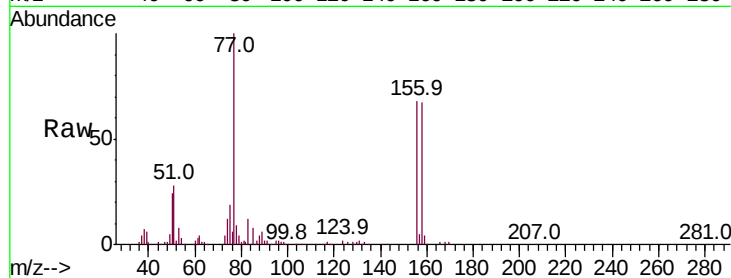
Tot Ion:156 Resp: 134045

Ion Ratio Lower Upper

156 100

77 167.7 0.0 359.4

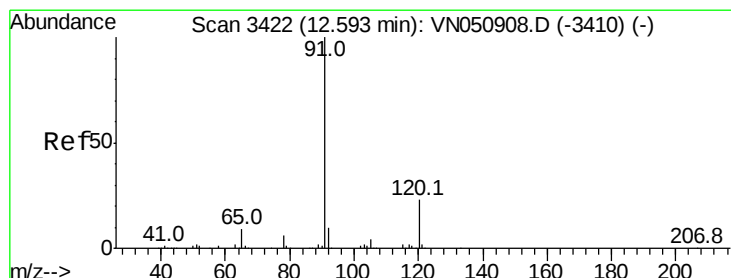
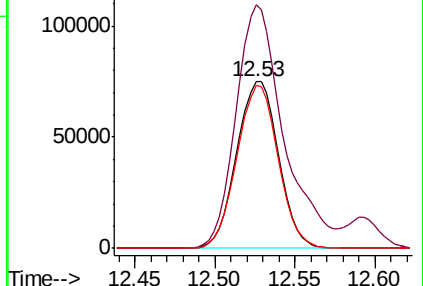
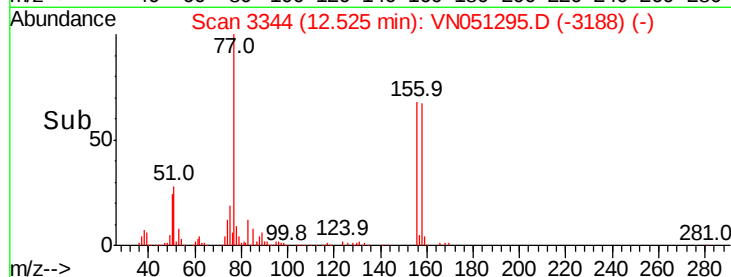
158 96.3 0.0 194.6



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 13.101 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN051295.D

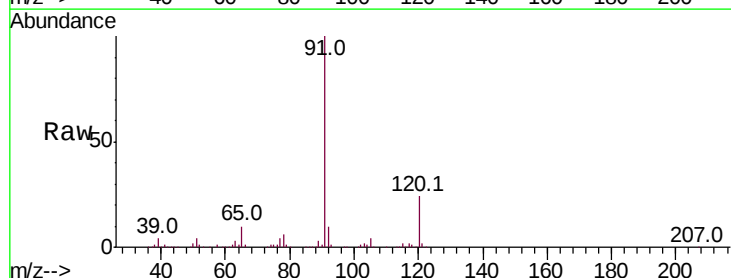
Acq: 18 Sep 2018 14:11

Tgt Ion: 91 Resp: 550970

Ion Ratio Lower Upper

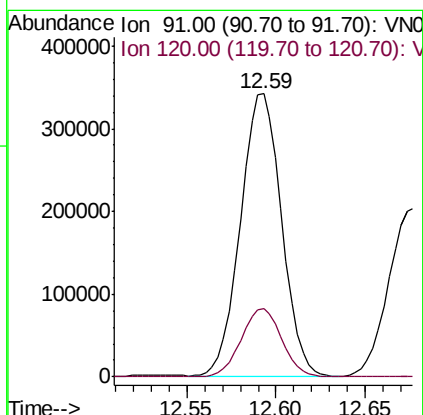
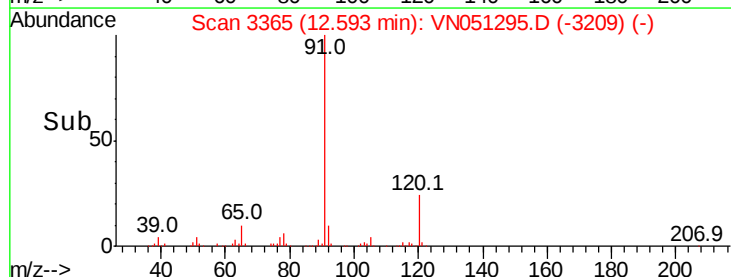
91 100

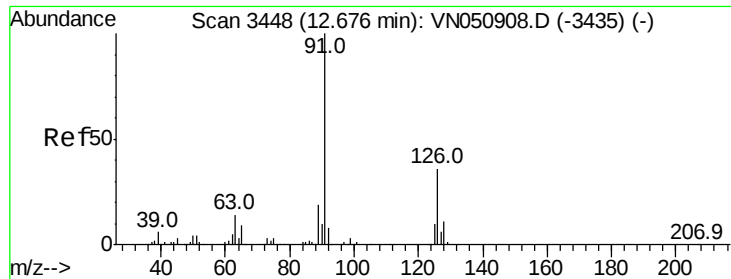
120 23.7 0.0 46.0



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 13.374 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN051295.D

Acq: 18 Sep 2018 14:11

Instrument :

MSVOA_N

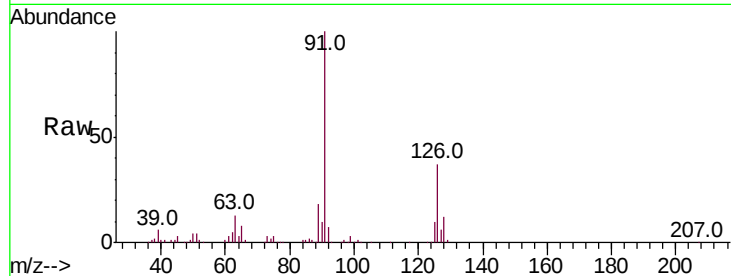
ClientSampled :

Tot Ion: 91 Resp: 341692

Ion Ratio Lower Upper

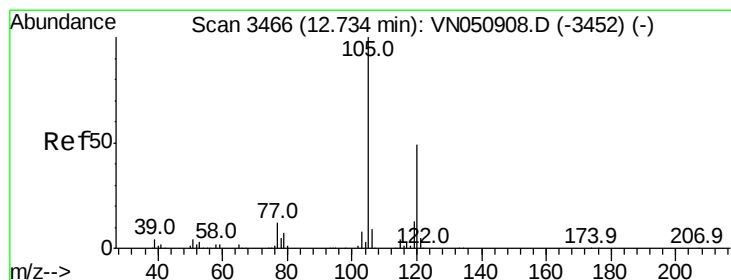
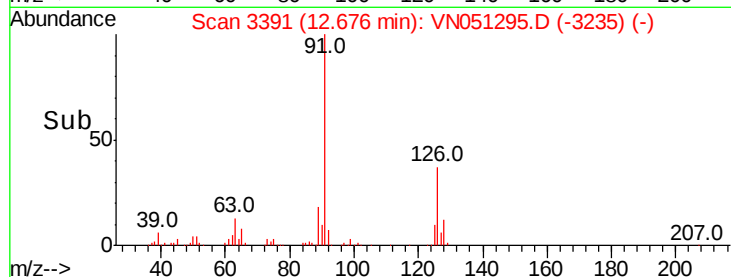
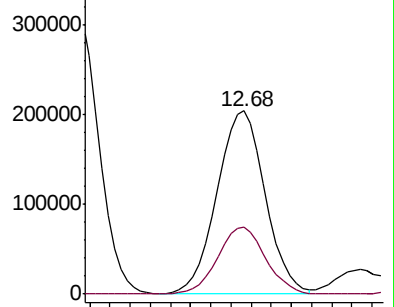
91 100

126 36.5 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: 13.697 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051295.D

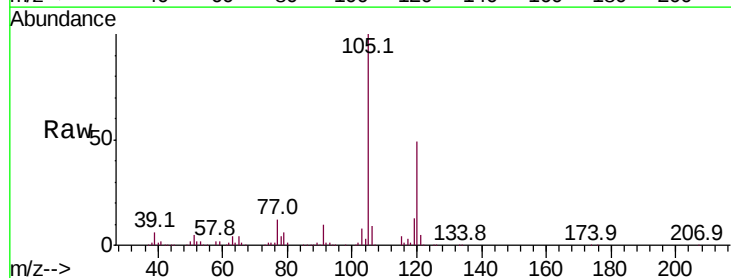
Acq: 18 Sep 2018 14:11

Tgt Ion:105 Resp: 416342

Ion Ratio Lower Upper

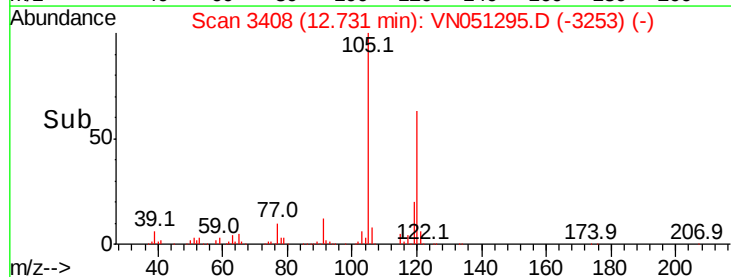
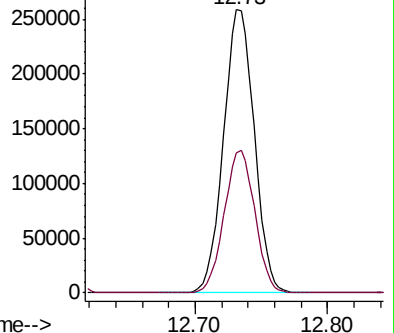
105 100

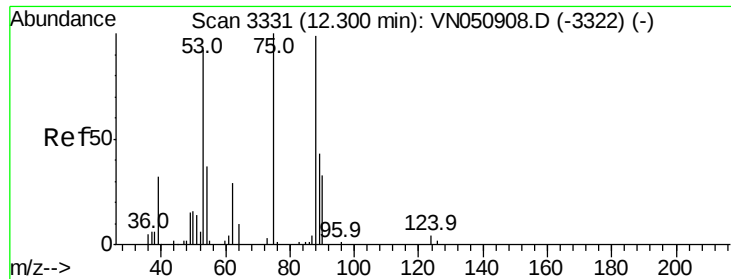
120 50.3 0.0 99.6



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: 10.611 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN051295.D

Acq: 18 Sep 2018 14:11

Instrument :

MSVOA_N

ClientSampleId :

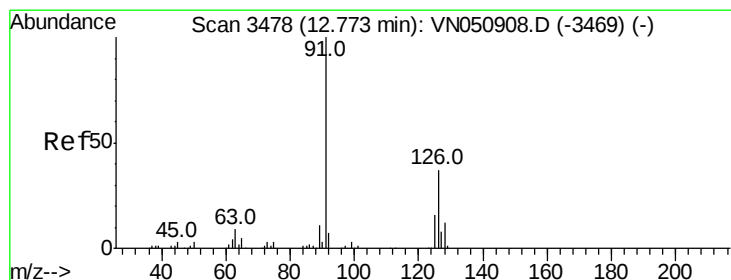
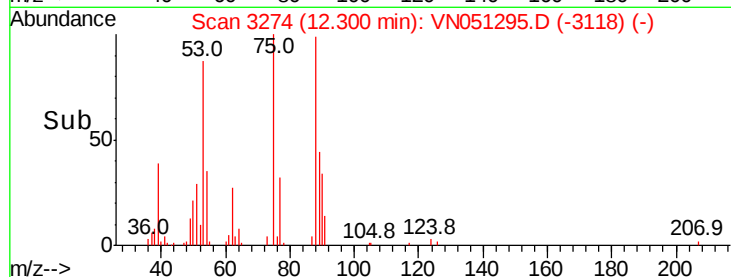
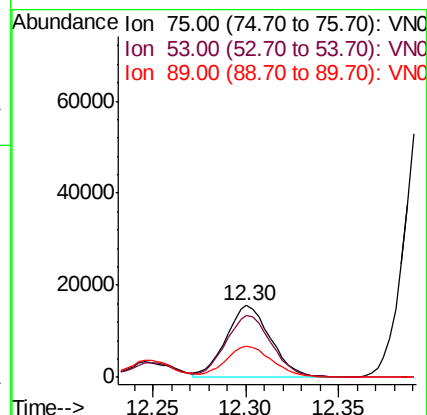
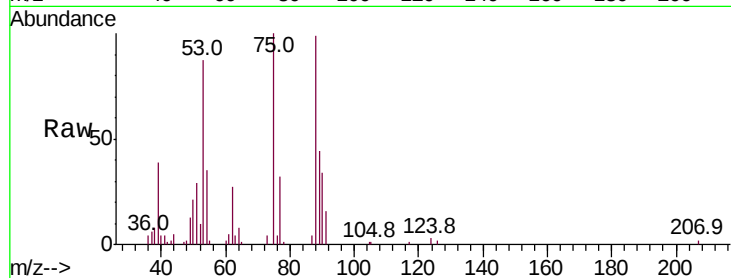
Tot Ion: 75 Resp: 26266

Ion Ratio Lower Upper

75 100

53 85.5 45.5 136.4

89 43.6 21.9 65.8



#78

4-Chlorotoluene

Concen: 13.006 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN051295.D

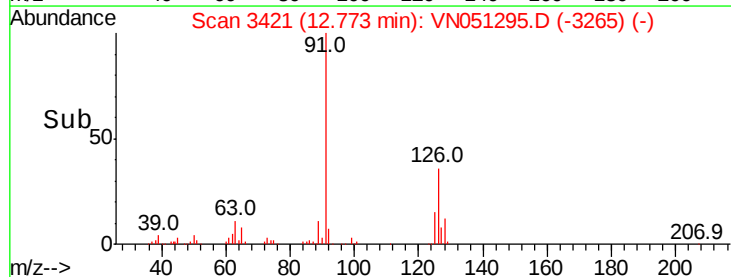
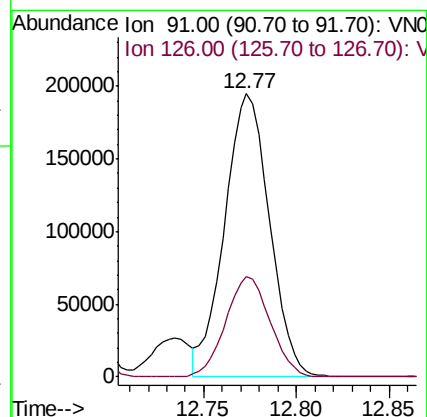
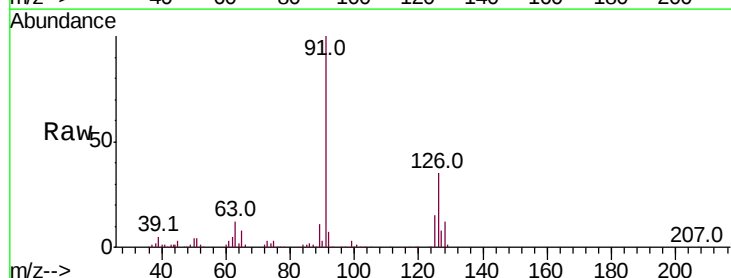
Acq: 18 Sep 2018 14:11

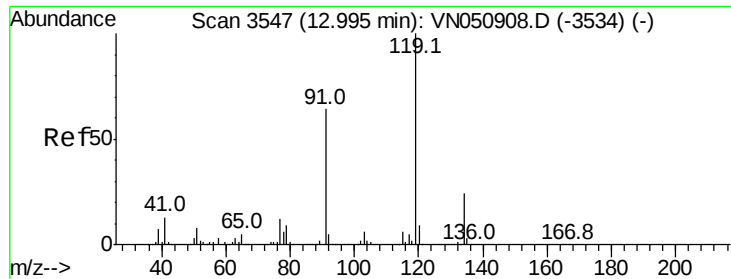
Tgt Ion: 91 Resp: 327177

Ion Ratio Lower Upper

91 100

126 35.2 0.0 69.8





#79

tert-butylbenzene

Concen: 13.610 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN051295.D

Acq: 18 Sep 2018 14:11

Instrument :

MSVOA_N

ClientSampleId :

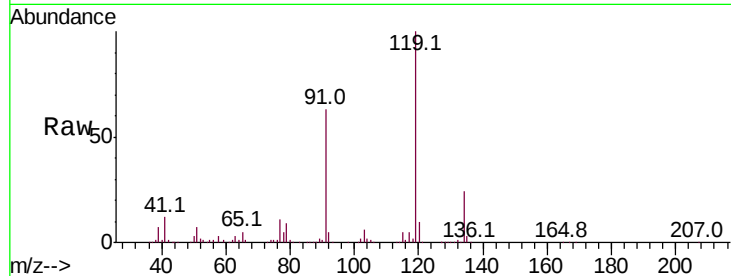
Tot Ion:119 Resp: 359280

Ion Ratio Lower Upper

119 100

91 61.9 0.0 125.6

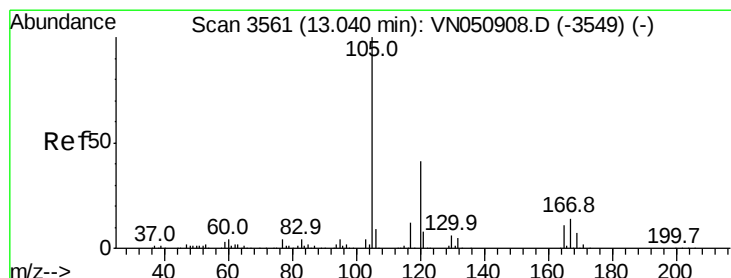
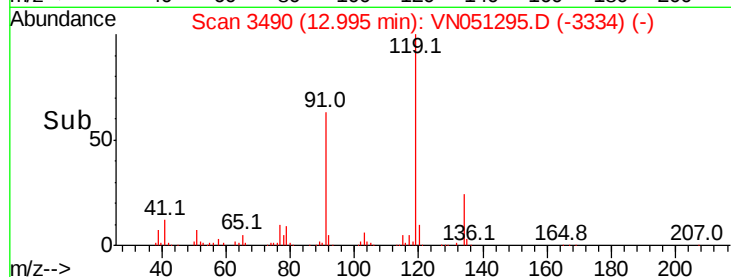
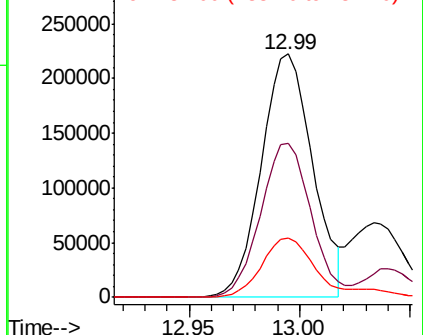
134 24.8 0.0 48.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#80

1,2,4-Trimethylbenzene

Concen: 13.627 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN051295.D

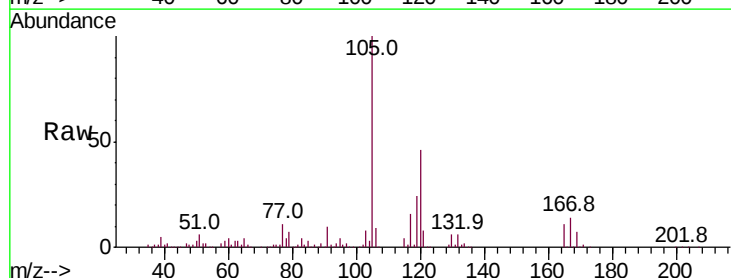
Acq: 18 Sep 2018 14:11

Tgt Ion:105 Resp: 412999

Ion Ratio Lower Upper

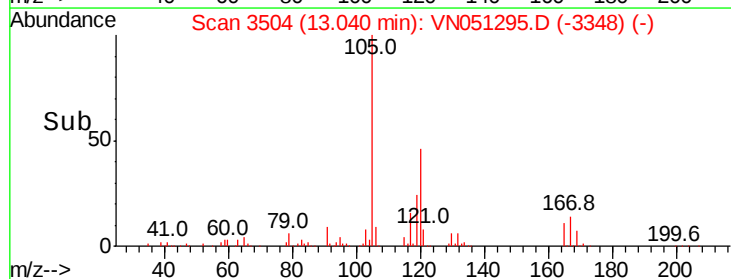
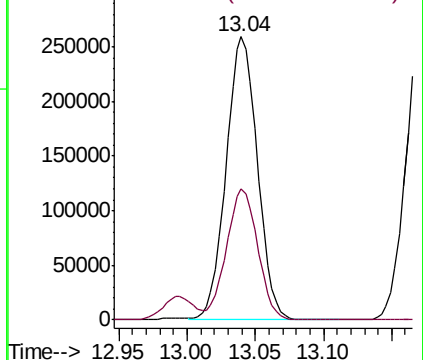
105 100

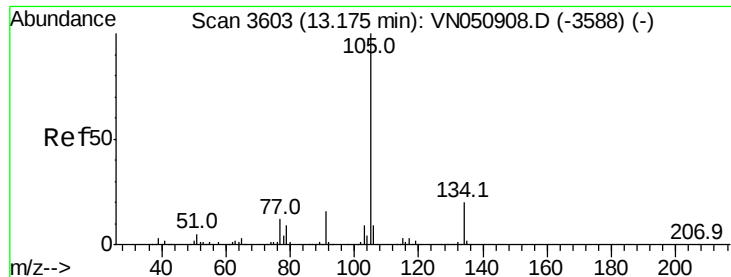
120 46.5 0.0 93.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

sec-Butylbenzene

Concen: 13.418 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051295.D

Acq: 18 Sep 2018 14:11

Instrument :

MSVOA_N

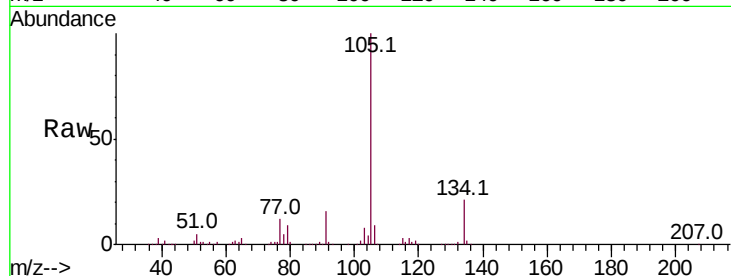
ClientSampleId :

Tot Ion:105 Resp: 463463

Ion Ratio Lower Upper

105 100

134 21.1 0.0 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

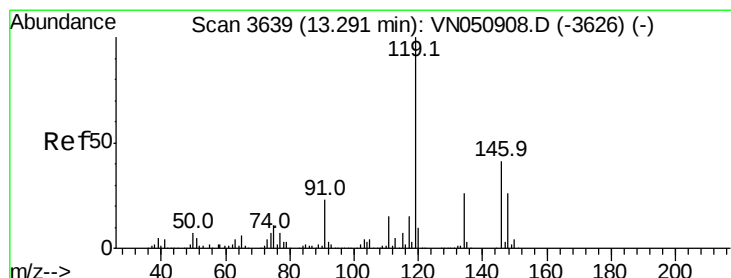
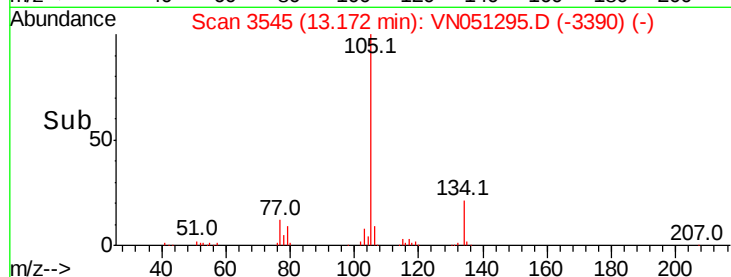
300000

200000

100000

0

Time-->



#82

p-Isopropyltoluene

Concen: 13.181 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN051295.D

Acq: 18 Sep 2018 14:11

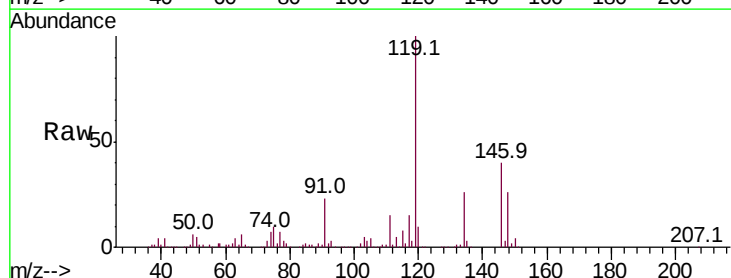
Tgt Ion:119 Resp: 392978

Ion Ratio Lower Upper

119 100

134 26.3 0.0 53.2

91 22.8 0.0 46.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

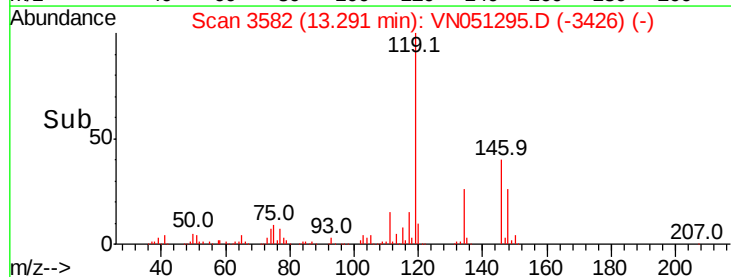
300000

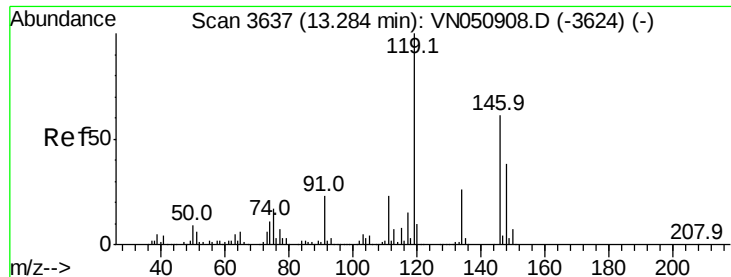
200000

100000

0

Time-->

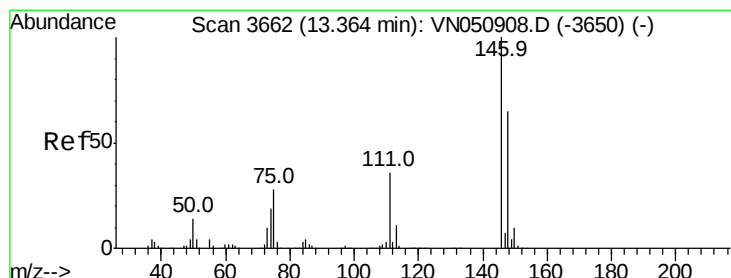
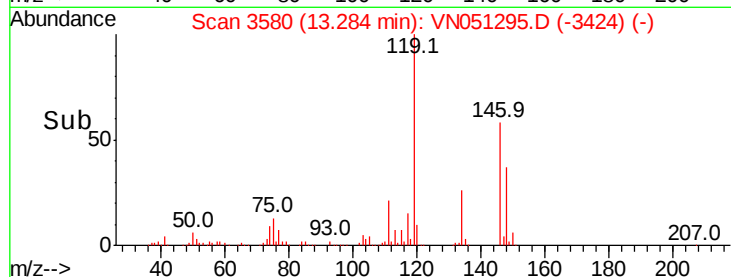
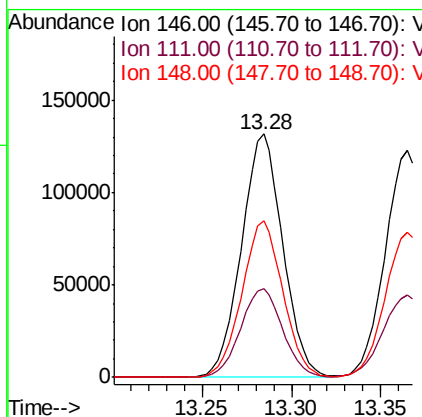
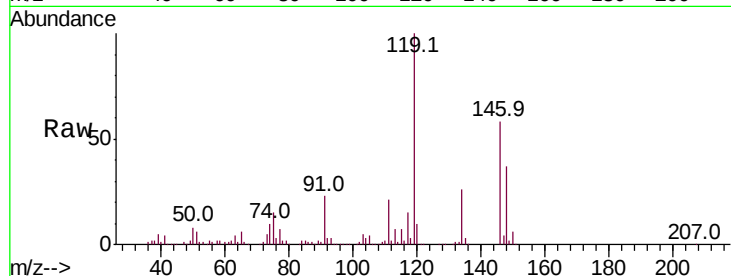




#83
 1,3-Dichlorobenzene
 Concen: 12.901 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051295.D
 Acq: 18 Sep 2018 14:11

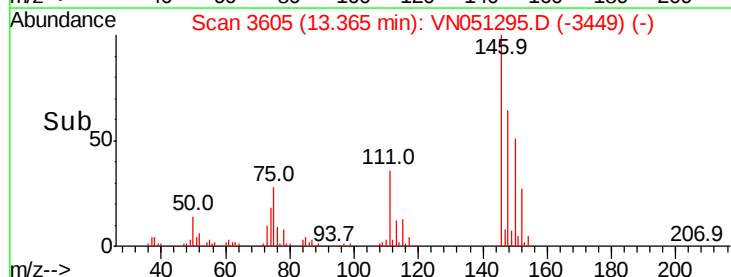
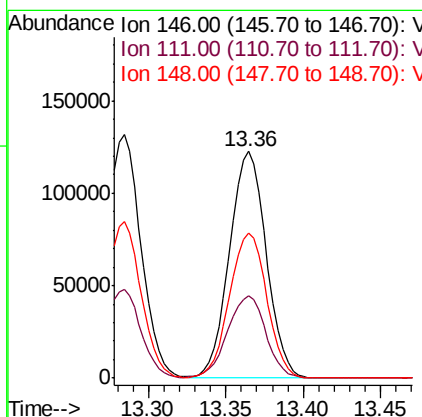
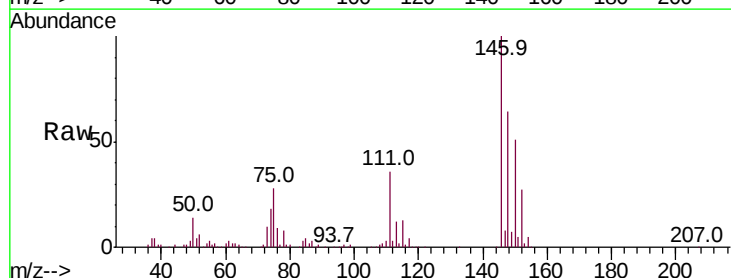
Instrument :
 MSVOA_N
 ClientSampleId :

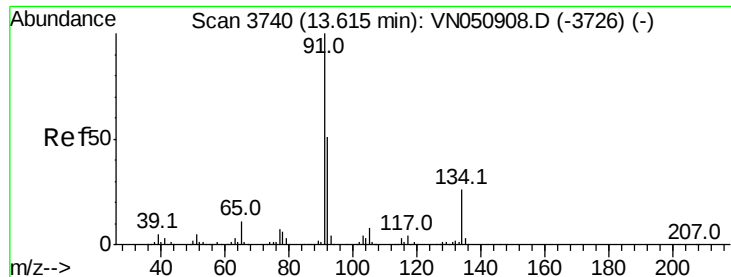
Tot Ion:146 Resp: 213461
 Ion Ratio Lower Upper
 146 100
 111 36.9 18.6 55.6
 148 63.8 31.8 95.3



#84
 1,4-Dichlorobenzene
 Concen: 12.934 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051295.D
 Acq: 18 Sep 2018 14:11

Tgt Ion:146 Resp: 202783
 Ion Ratio Lower Upper
 146 100
 111 37.7 17.7 53.1
 148 64.9 31.6 94.8

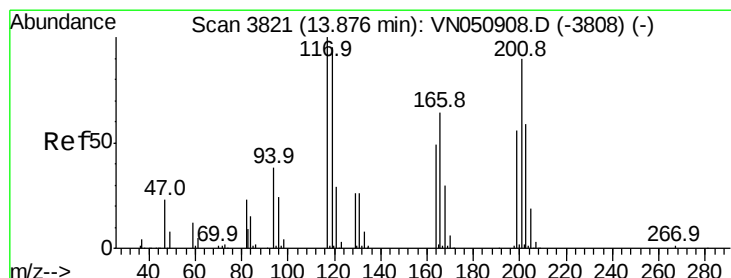
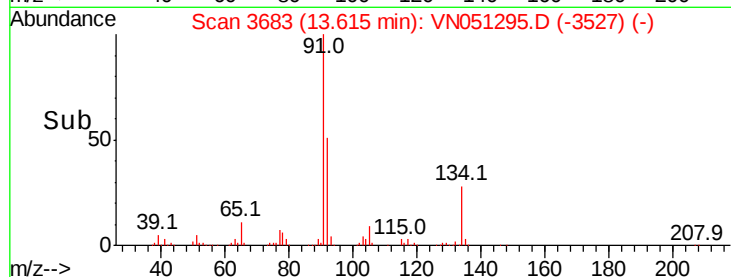
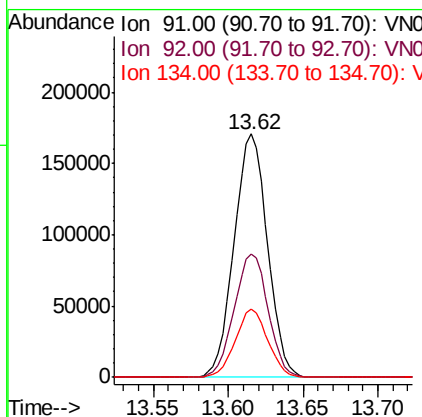
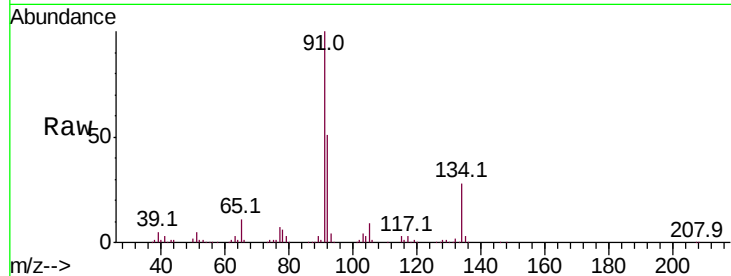




#85
n-Butylbenzene
Concen: 11.684 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051295.D
Acq: 18 Sep 2018 14:11

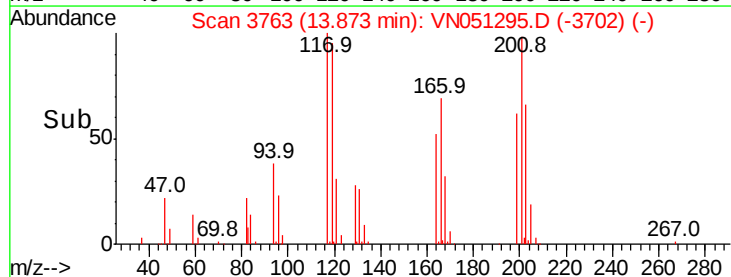
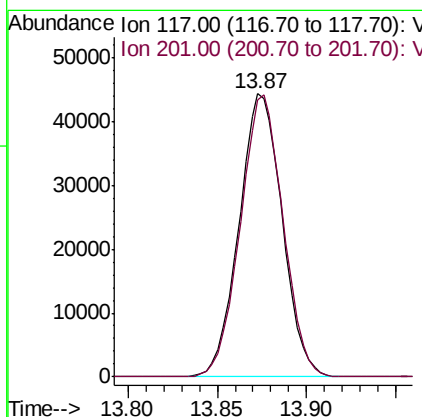
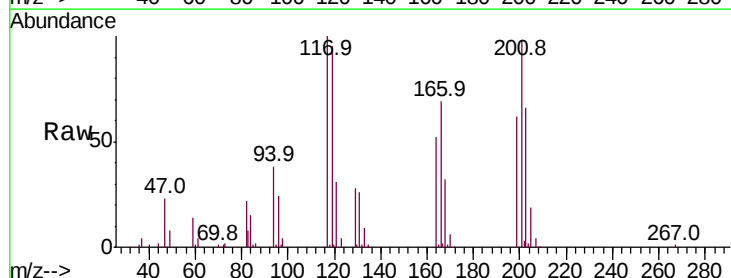
Instrument :
MSVOA_N
ClientSampled :

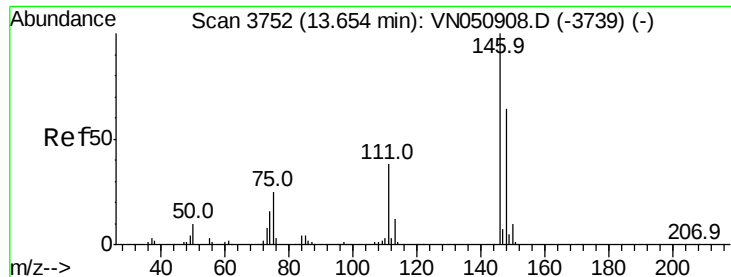
Tot Ion: 91 Resp: 265809
Ion Ratio Lower Upper
91 100
92 51.2 0.0 101.8
134 27.2 0.0 52.2



#86
Hexachloroethane
Concen: 13.090 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN051295.D
Acq: 18 Sep 2018 14:11

Tgt Ion: 117 Resp: 74909
Ion Ratio Lower Upper
117 100
201 98.6 45.8 137.4

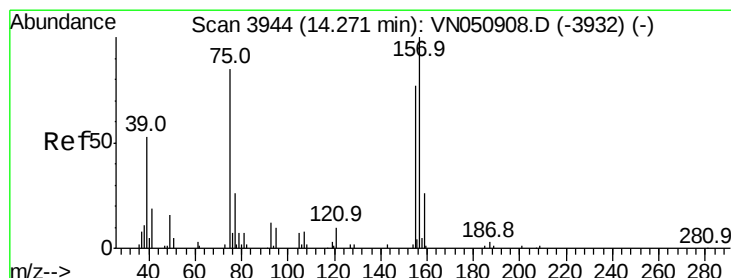
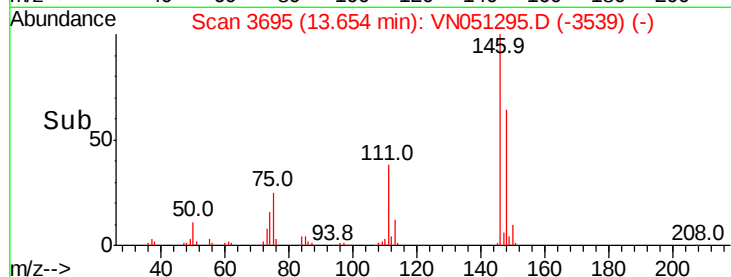
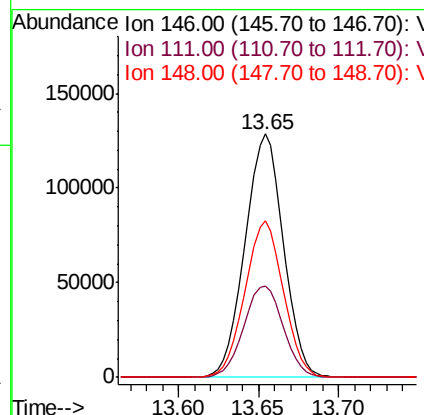
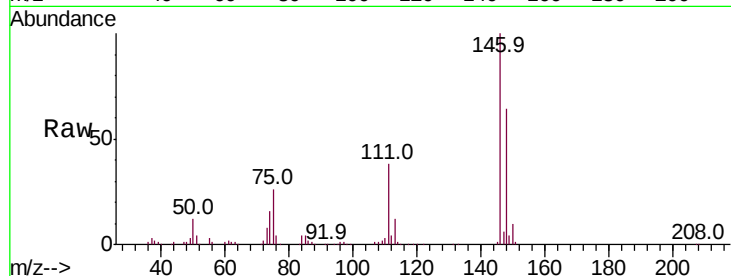




#87
 1,2-Dichlorobenzene
 Concen: 12.907 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051295.D
 Acq: 18 Sep 2018 14:11

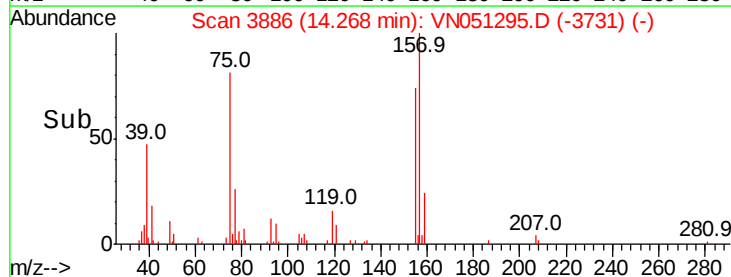
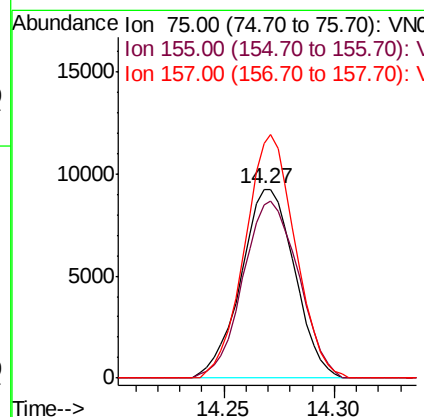
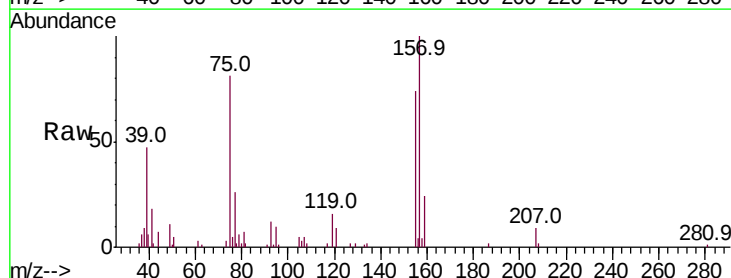
Instrument :
 MSVOA_N
 ClientSampleId :

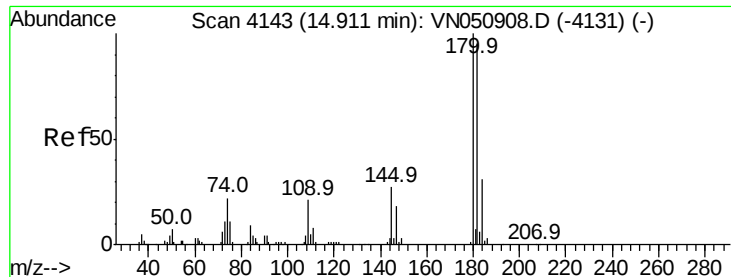
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.1	57.1
148	64.1	31.9	95.9



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 11.056 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN051295.D
 Acq: 18 Sep 2018 14:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.9	71.8	107.6
157	121.1	91.1	136.7

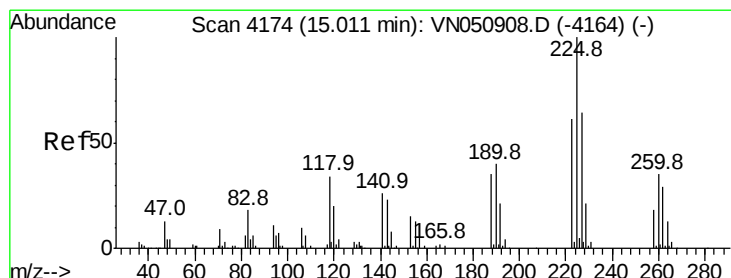
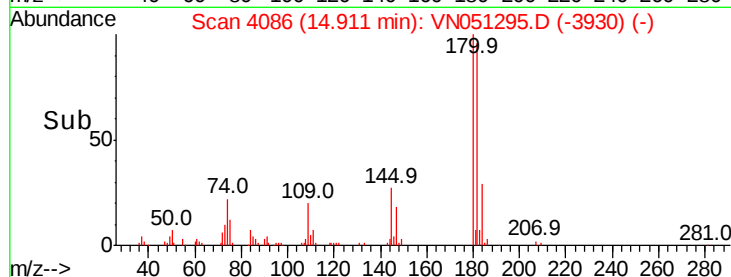
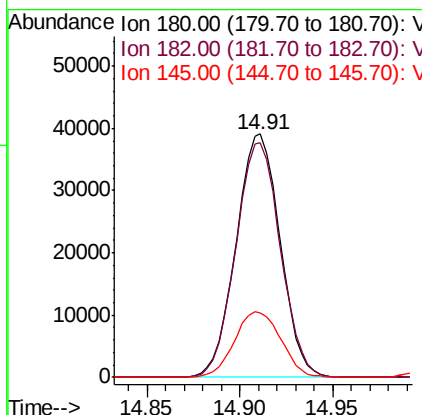
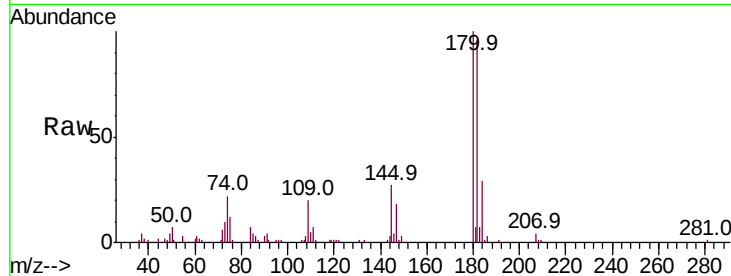




#89
 1,2,4-Trichlorobenzene
 Concen: 8.910 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051295.D
 Acq: 18 Sep 2018 14:11

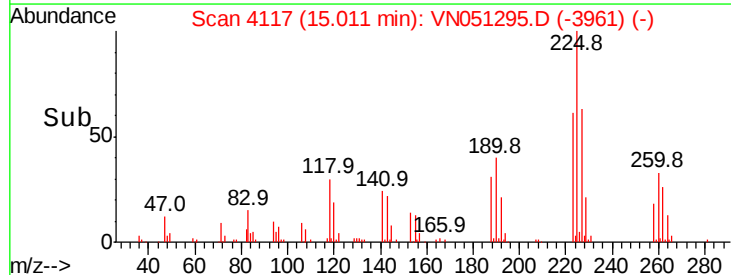
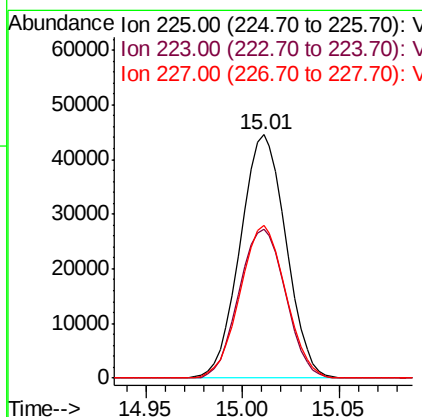
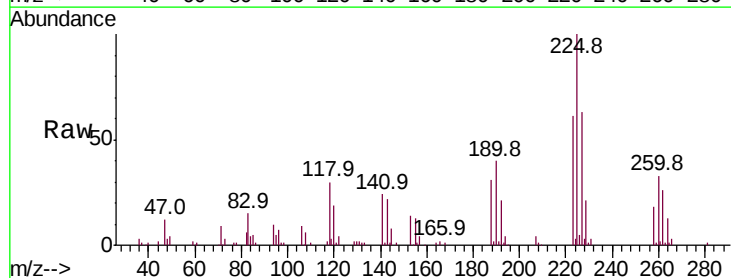
Instrument :
 MSVOA_N
 ClientSampled :

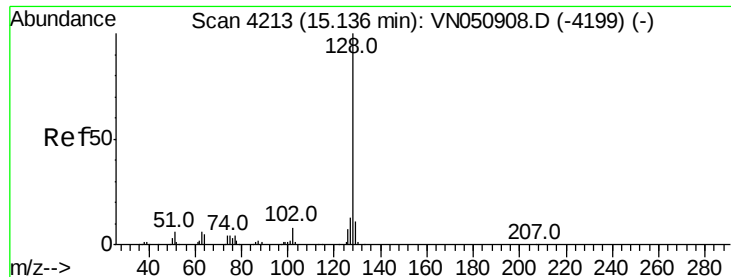
Tot Ion:180 Resp: 64599
 Ion Ratio Lower Upper
 180 100
 182 97.3 76.2 114.4
 145 28.2 22.2 33.4



#90
 Hexachlorobutadiene
 Concen: 14.899 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051295.D
 Acq: 18 Sep 2018 14:11

Tgt Ion:225 Resp: 73392
 Ion Ratio Lower Upper
 225 100
 223 62.1 0.0 127.8
 227 62.7 0.0 128.4





#91

Naphthalene

Concen: 13.627 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051295.D

Acq: 18 Sep 2018 14:11

Instrument :

MSVOA_N

ClientSampleId :

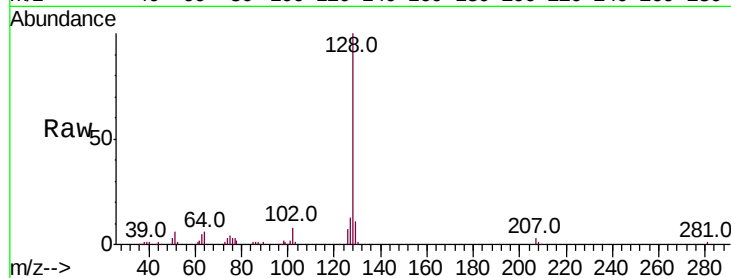
Tot Ion:128 Resp: 114425

Ion Ratio Lower Upper

128 100

127 13.1 10.6 16.0

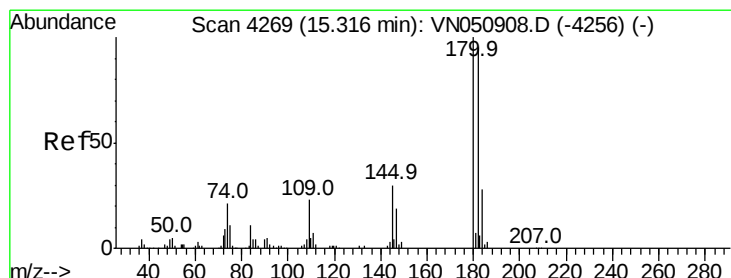
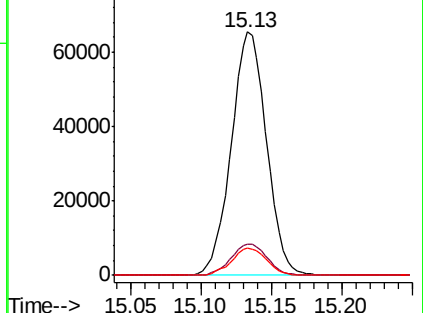
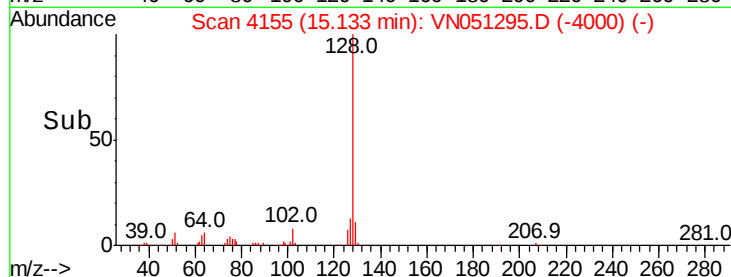
129 11.0 8.7 13.1



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: 9.689 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN051295.D

Acq: 18 Sep 2018 14:11

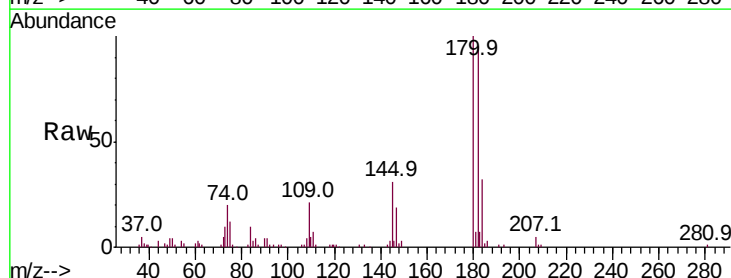
Tgt Ion:180 Resp: 70493

Ion Ratio Lower Upper

180 100

182 96.5 0.0 192.8

145 29.8 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

