

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102318\
 Data File : VN051967.D
 Acq On : 23 Oct 2018 16:40
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 24 07:29:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101218W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 12 10:23:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	164395	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	928115	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	853927	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	295205	29.51	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.37%
60) 4-Bromofluorobenzene	12.40	95	367520	29.85	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.50%
63) Toluene-d8	10.09	98	1094648	29.52	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	139946	21.912	ug/l 100
3) Chloromethane	2.06	50	123727	18.330	ug/l 99
4) Vinyl Chloride	2.19	62	157990	15.673	ug/l 99
5) Bromomethane	2.58	94	161786	18.165	ug/l 86
6) Chloroethane	2.71	64	117720	16.205	ug/l 99
7) Trichlorofluoromethane	3.03	101	292099	20.325	ug/l 94
8) Diethyl Ether	3.42	74	85050	20.329	ug/l 71
10) 1,1-Dichloroethene	3.74	96	158713	20.969	ug/l 82
11) Methyl Iodide	3.96	142	255042	23.180	ug/l 95
12) Methyl Acetate	4.33	43	91179	19.400	ug/l 92
13) Acrolein	3.61	56	7855	25.366	ug/l 86
14) Acrylonitrile	4.99	53	203810	97.023	ug/l # 62
15) Acetone	3.82	58	50390	97.039	ug/l 97
16) Carbon Disulfide	4.06	76	364722	18.348	ug/l 97
17) Allvl chloride	4.33	41	151999	16.915	ug/l 72
18) Methylene Chloride	4.55	84	181104	21.400	ug/l # 84
19) trans-1,2-Dichloroethene	5.05	96	175672	20.326	ug/l 84
20) Diisopropyl ether	5.95	45	380820	19.028	ug/l # 85
21) 1,1-Dichloroethane	5.86	63	277425	19.839	ug/l # 98
22) cis-1,2-Dichloroethene	6.83	96	208722	20.561	ug/l # 79
23) tert-Butyl Alcohol	4.78	59	44796	80.970	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	416018	19.078	ug/l # 67
25) Chloroform	7.37	83	339354	20.455	ug/l 96
26) Cyclohexane	7.66	56	219980	18.555	ug/l # 69
29) 1,1-Dichloropropene	7.79	75	240262	20.083	ug/l 93
30) 2-Butanone	6.84	43	223408	89.345	ug/l # 85
31) 2,2-Dichloropropane	6.83	77	262733	18.668	ug/l # 79
32) 1,1,1-Trichloroethane	7.57	97	313695	19.778	ug/l 94
33) Carbon Tetrachloride	7.78	117	272951	19.021	ug/l 93
34) Benzene	8.04	78	715210	20.211	ug/l # 66
35) Methacrylonitrile	7.17	41	47311	14.401	ug/l # 73
36) 1,2-Dichloroethane	8.13	62	226430	19.969	ug/l 96
37) Trichloroethene	8.84	130	228428	20.794	ug/l 93
38) Methylcyclohexane	9.08	83	283112	18.450	ug/l 78
39) 1,2-Dichloropropane	9.12	63	162193	19.462	ug/l 93
40) Dibromomethane	9.21	93	125892	20.353	ug/l 94
41) Bromodichloromethane	9.40	83	247792	19.395	ug/l 93

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Vinyl Acetate	5.90	43	1275112	90.586	ug/l #	88
43) Ethyl Acetate	6.93	43	89366	16.459	ug/l	96
44) Isopropyl Acetate	8.17	43	189065	17.434	ug/l	96
45) 1,4-Dioxane	9.20	88	34534	396.580	ug/l #	74
46) Methyl methacrylate	9.20	41	91995	18.391	ug/l	69
47) n-amyl Acetate	12.07	43	173321	19.091	ug/l #	73
48) t-1,3-Dichloropropene	10.38	75	224146	17.991	ug/l	97
49) cis-1,3-Dichloropropene	9.84	75	262148	19.087	ug/l	96
50) 1,1,2-Trichloroethane	10.56	97	176770	20.684	ug/l	94
51) Ethyl methacrylate	10.43	69	184549	18.862	ug/l	83
52) 1,3-Dichloropropane	10.71	76	266137	20.178	ug/l	97
53) Dibromochloromethane	10.90	129	195308	18.474	ug/l	95
54) 1,2-Dibromoethane	11.00	107	177346	19.770	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	484852	115.921	ug/l #	91
56) Bromoform	12.13	173	114418	16.410	ug/l #	93
58) 4-Methyl-2-Pentanone	9.98	43	521281	91.222	ug/l #	87
59) 2-Hexanone	10.75	43	353317	91.647	ug/l #	88
61) Tetrachloroethene	10.63	164	214717	19.662	ug/l	97
62) Toluene	10.16	91	853426	20.118	ug/l	98
64) Chlorobenzene	11.43	112	574443	20.676	ug/l	95
65) 1,1,1,2-Tetrachloroethane	11.51	131	205308	19.253	ug/l	98
66) Ethyl Benzene	11.51	91	929362	19.822	ug/l	100
67) m/p-Xylenes	11.62	106	752396	39.583	ug/l	95
68) o-Xylene	11.95	106	371843	19.844	ug/l	86
69) Styrene	11.96	104	585542	20.366	ug/l	95
70) Isopropylbenzene	12.25	105	988553	19.783	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	196953	19.958	ug/l	96
72) 1,2,3-Trichloropropane	12.55	75	234799	30.245	ug/l	75
73) Bromobenzene	12.53	156	262802	21.233	ug/l	79
74) n-propylbenzene	12.59	91	1056359	19.653	ug/l	93
75) 2-Chlorotoluene	12.67	91	621864	19.734	ug/l	92
76) 1,3,5-Trimethylbenzene	12.73	105	803034	19.434	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	39278	15.298	ug/l	96
78) 4-Chlorotoluene	12.77	91	639434	20.653	ug/l	90
79) tert-butylbenzene	12.99	119	741895	19.523	ug/l	93
80) 1,2,4-Trimethylbenzene	13.04	105	825626	19.992	ug/l	97
81) sec-Butylbenzene	13.17	105	976491	19.643	ug/l	95
82) p-Isopropyltoluene	13.29	119	884083	19.874	ug/l	96
83) 1,3-Dichlorobenzene	13.28	146	477400	21.859	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	471255	22.920	ug/l	99
85) n-Butylbenzene	13.62	91	683646	20.380	ug/l	94
86) Hexachloroethane	13.87	117	124841	16.276	ug/l	92
87) 1,2-Dichlorobenzene	13.65	146	457228	21.624	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	28105	19.071	ug/l #	69
89) 1,2,4-Trichlorobenzene	14.91	180	259080	26.293	ug/l	99
90) Hexachlorobutadiene	15.01	225	138553	20.334	ug/l	96
91) Naphthalene	15.13	128	566003	28.105	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	246708	25.646	ug/l	92

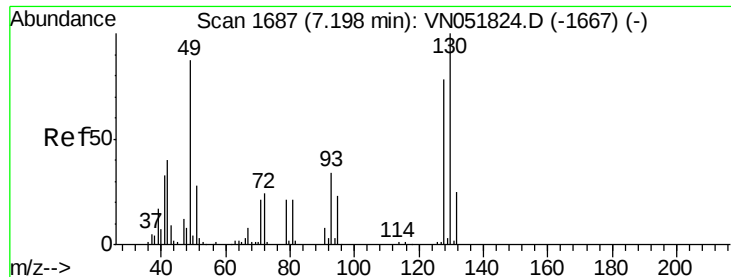
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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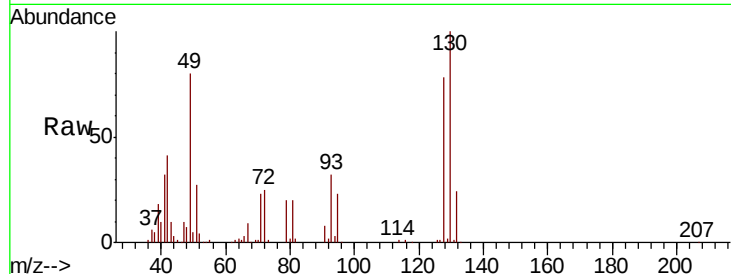
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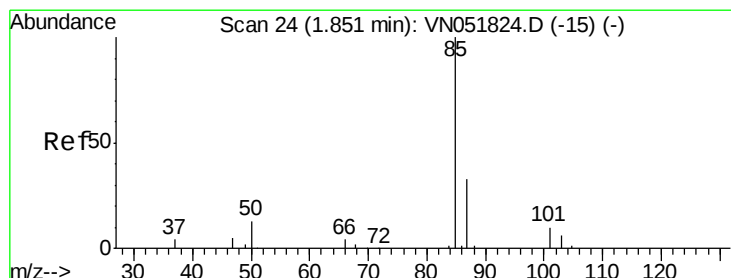
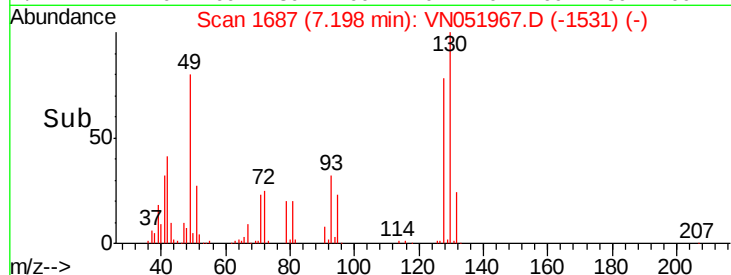
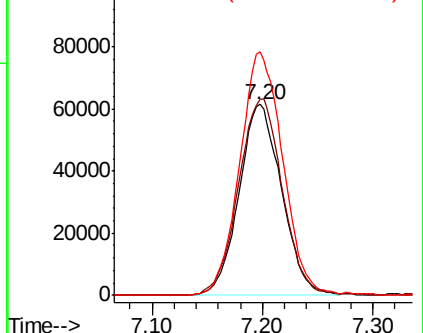
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. 0.00 min
 Lab File: VN051967.D
 Acq: 23 Oct 2018 16:40

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:128 Resp: 164395
 Ion Ratio Lower Upper
 128 100
 49 106.6 0.0 403.3
 130 128.8 0.0 326.0

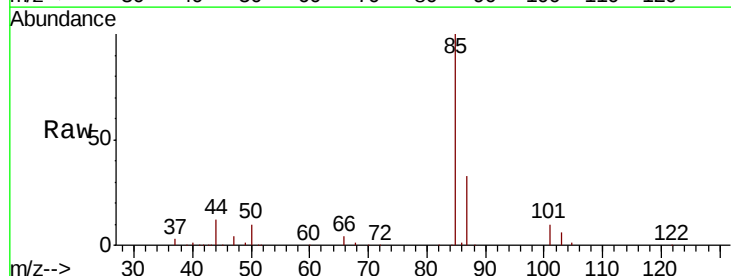


Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VN
 Ion 130.00 (129.70 to 130.70): V

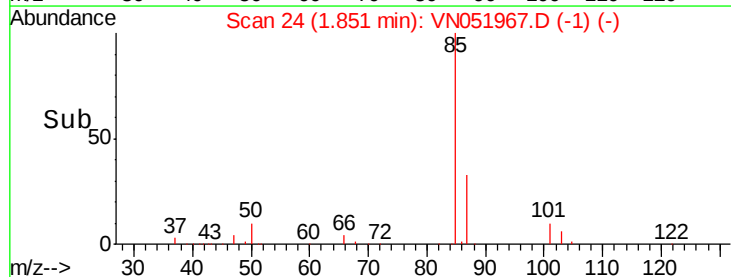
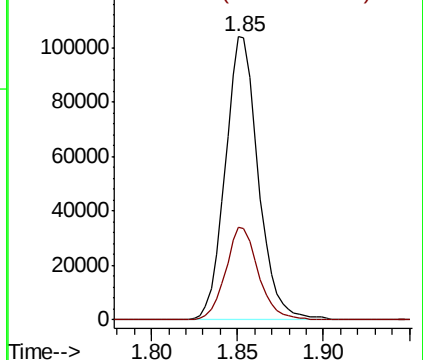


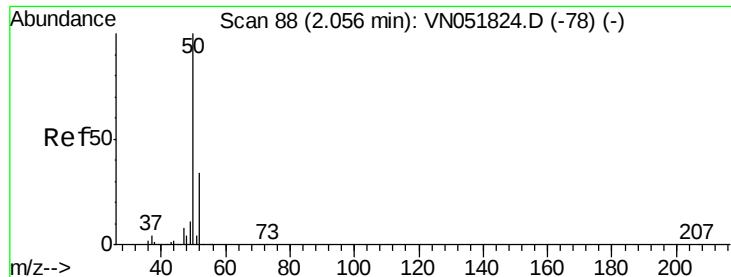
#2
 Dichlorodifluoromethane
 Concen: 21.912 ug/l
 RT: 1.85 min Scan# 24
 Delta R.T. 0.00 min
 Lab File: VN051967.D
 Acq: 23 Oct 2018 16:40

Tgt Ion: 85 Resp: 139946
 Ion Ratio Lower Upper
 85 100
 87 32.7 16.3 48.8



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





#3

Chloromethane

Concen: 18.330 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN051967.D

Acq: 23 Oct 2018 16:40

Instrument :

MSVOA_N

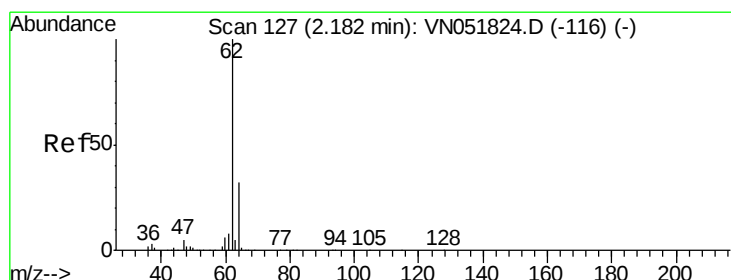
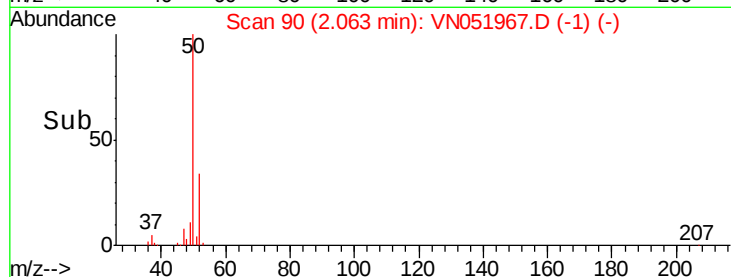
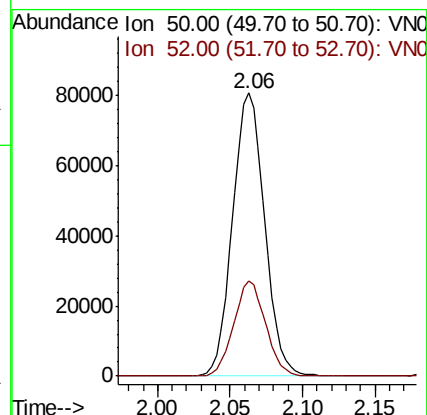
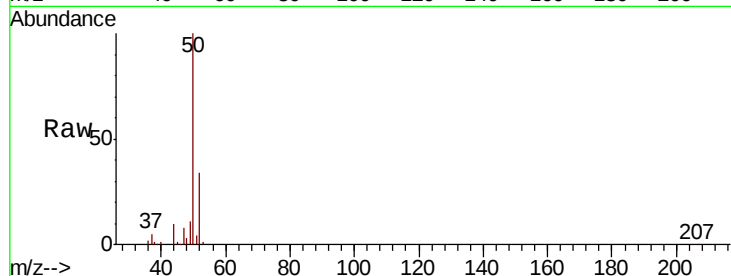
ClientSampleId :

Tot Ion: 50 Resp: 123727

Ion Ratio Lower Upper

50 100

52 33.6 27.2 40.8



#4

Vinyl Chloride

Concen: 15.673 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.01 min

Lab File: VN051967.D

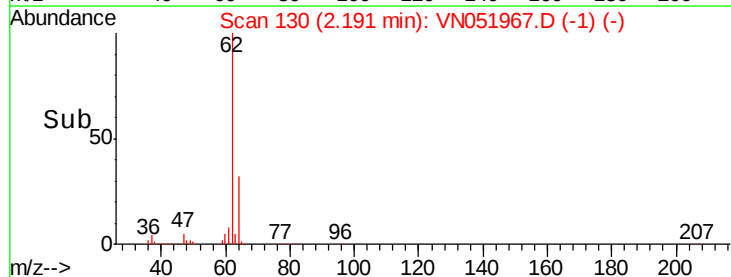
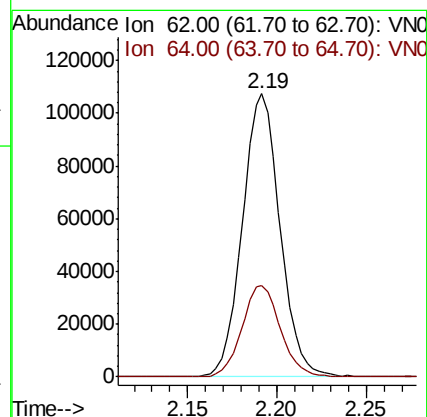
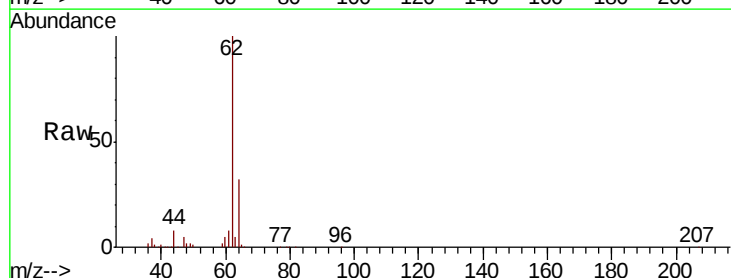
Acq: 23 Oct 2018 16:40

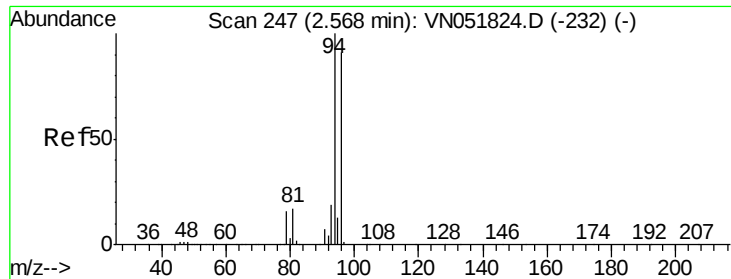
Tgt Ion: 62 Resp: 157990

Ion Ratio Lower Upper

62 100

64 32.4 25.4 38.2





#5

Bromomethane

Concen: 18.165 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.01 min

Lab File: VN051967.D

Acq: 23 Oct 2018 16:40

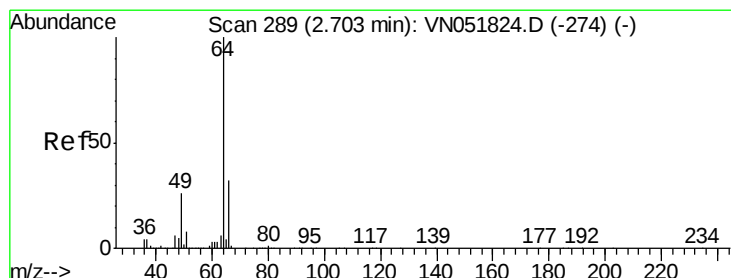
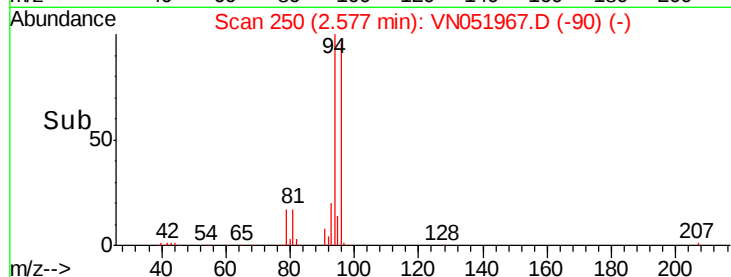
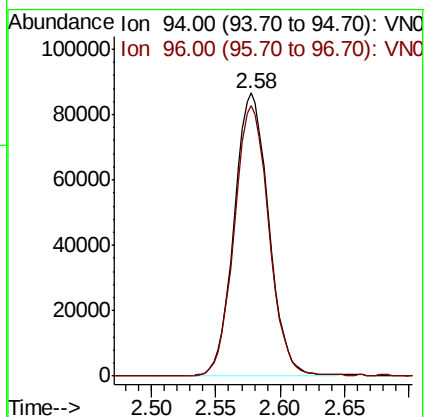
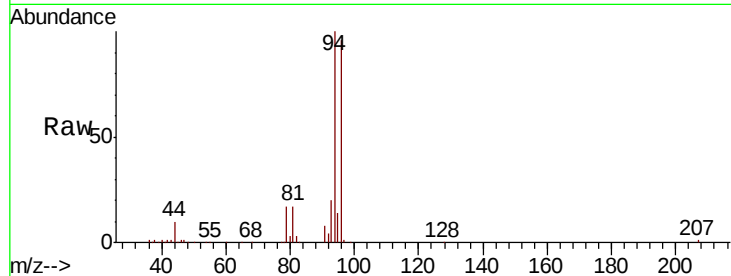
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 94 Resp: 161786

Ion Ratio Lower Upper

94 100

96 95.2 66.4 99.6



#6

Chloroethane

Concen: 16.205 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.01 min

Lab File: VN051967.D

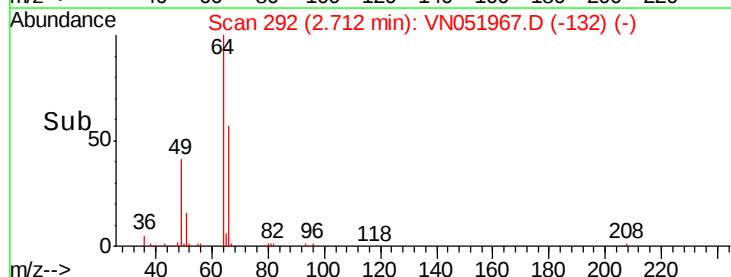
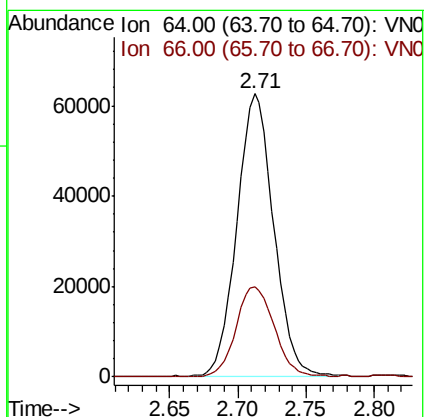
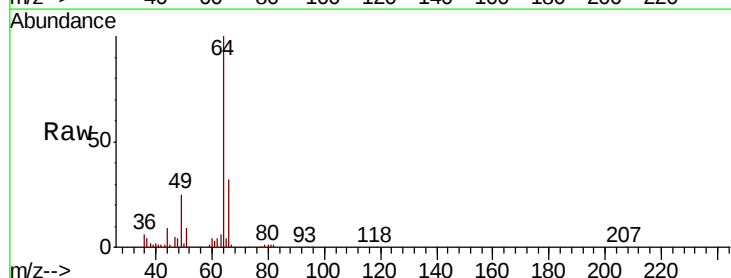
Acq: 23 Oct 2018 16:40

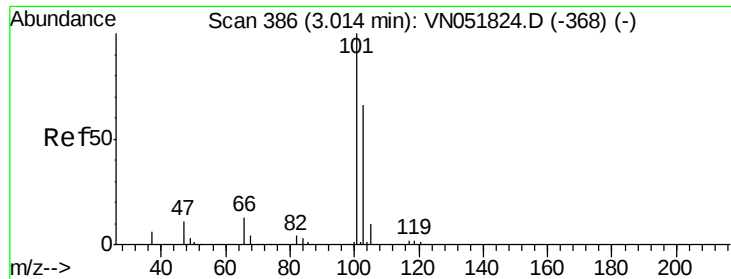
Tgt Ion: 64 Resp: 117720

Ion Ratio Lower Upper

64 100

66 31.7 25.8 38.6



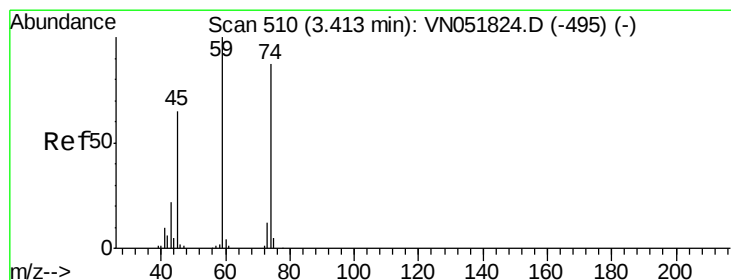
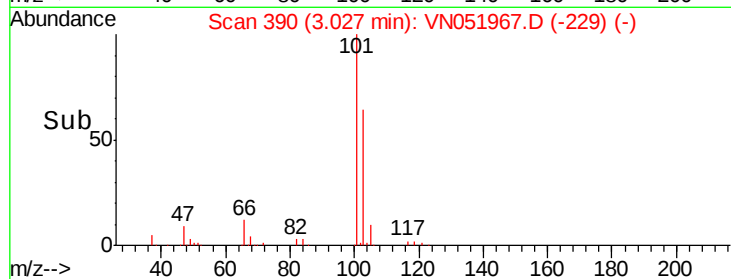
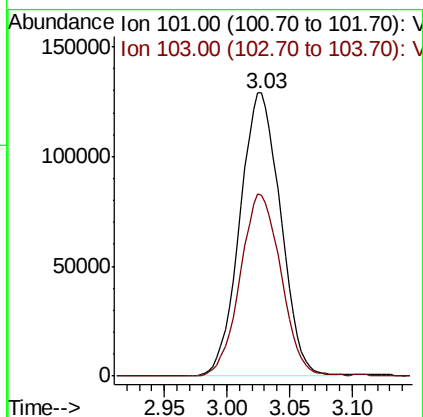
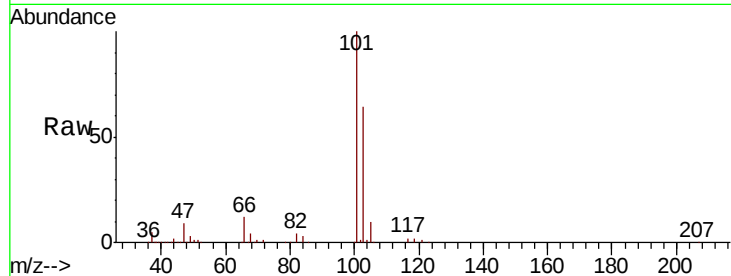


#7

Trichlorofluoromethane
 Concen: 20.325 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.02 min
 Lab File: VN051967.D
 Acq: 23 Oct 2018 16:40

Instrument :
 MSVOA_N
 ClientSampled :

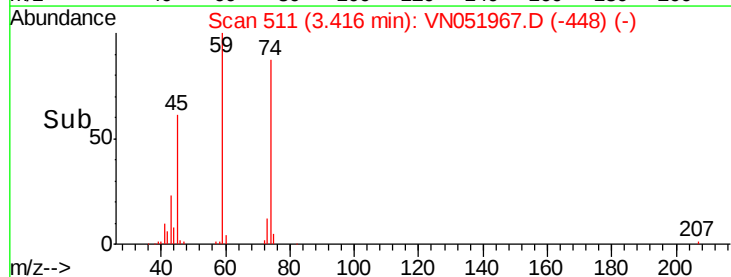
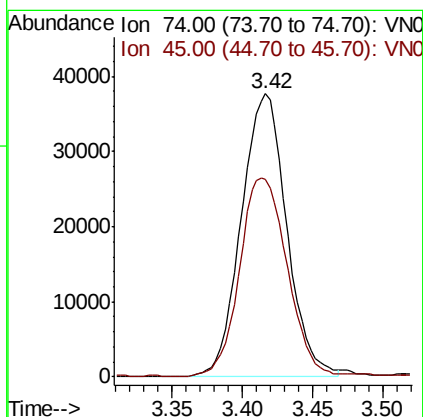
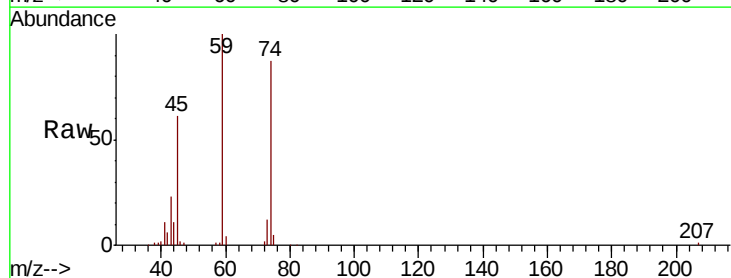
Tot Ion:101 Resp: 292099
 Ion Ratio Lower Upper
 101 100
 103 63.9 54.8 82.2

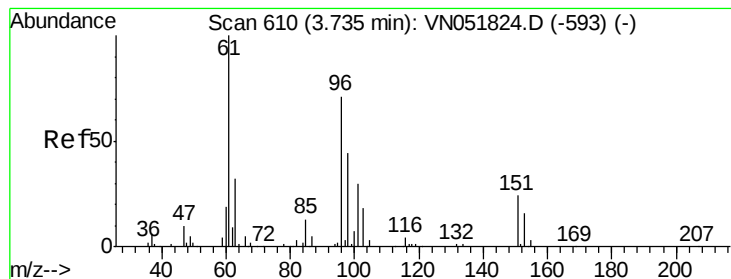


#8

Diethyl Ether
 Concen: 20.329 ug/l
 RT: 3.42 min Scan# 511
 Delta R.T. 0.00 min
 Lab File: VN051967.D
 Acq: 23 Oct 2018 16:40

Tgt Ion: 74 Resp: 85050
 Ion Ratio Lower Upper
 74 100
 45 73.6 20.7 186.5





#10

1,1-Dichloroethene

Concen: 20.969 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.01 min

Lab File: VN051967.D

Acq: 23 Oct 2018 16:40

Instrument :
MSVOA_N
ClientSampled :

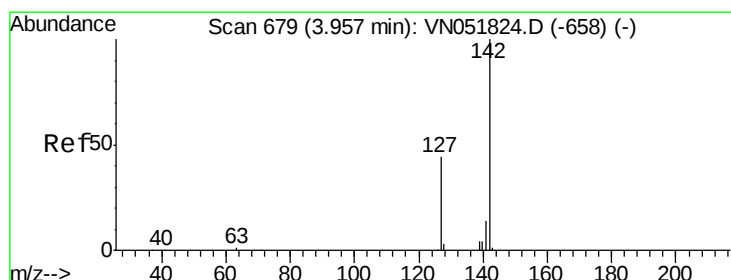
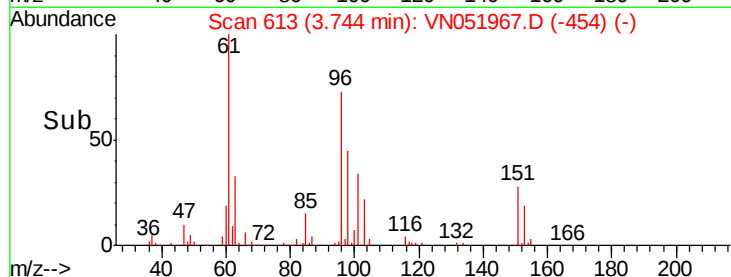
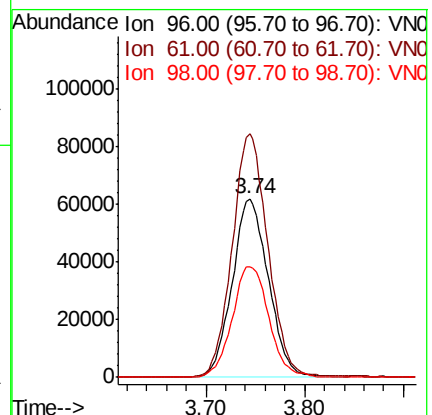
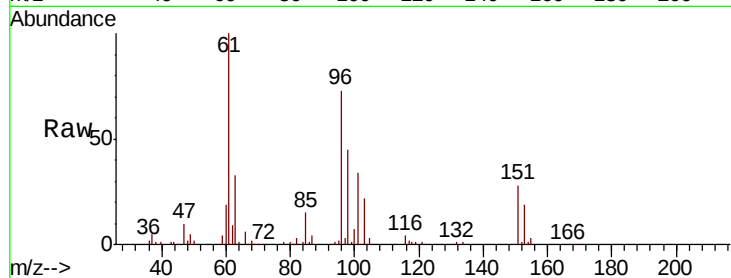
Tot Ion: 96 Resp: 158713

Ion Ratio Lower Upper

96 100

61 135.7 133.0 199.6

98 61.9 52.6 78.8



#11

Methyl Iodide

Concen: 23.180 ug/l

RT: 3.96 min Scan# 680

Delta R.T. 0.01 min

Lab File: VN051967.D

Acq: 23 Oct 2018 16:40

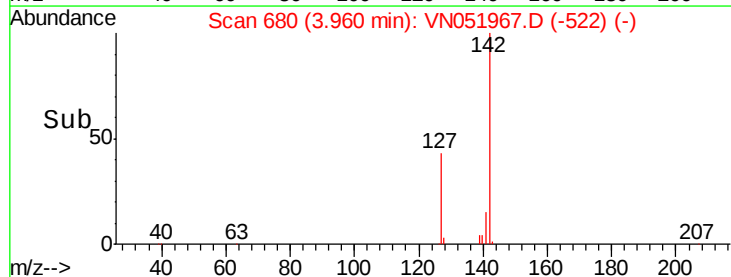
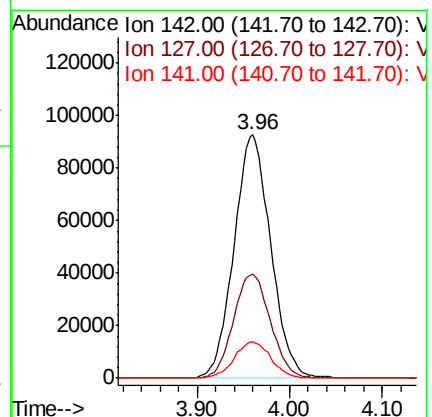
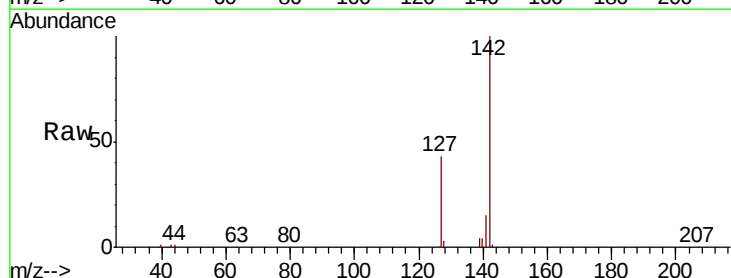
Tgt Ion: 142 Resp: 255042

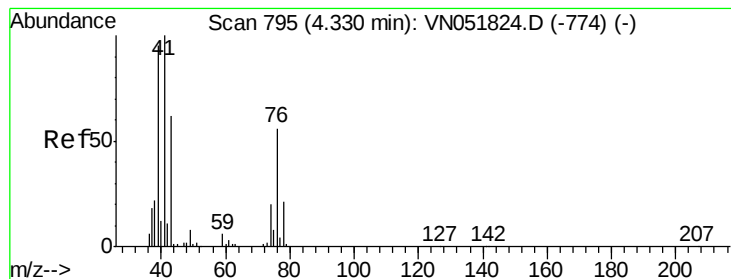
Ion Ratio Lower Upper

142 100

127 42.6 19.7 59.0

141 14.8 6.3 18.9





#12

Methvl Acetate

Concen: 19.400 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN051967.D

Acq: 23 Oct 2018 16:40

Instrument :

MSVOA_N

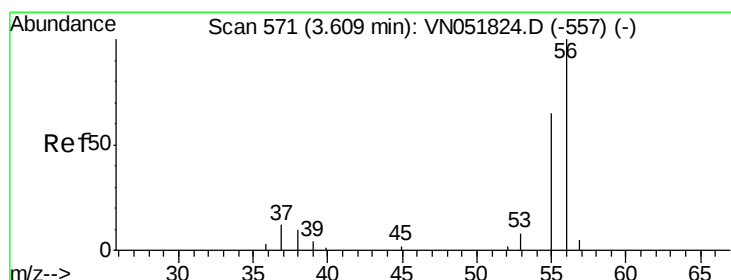
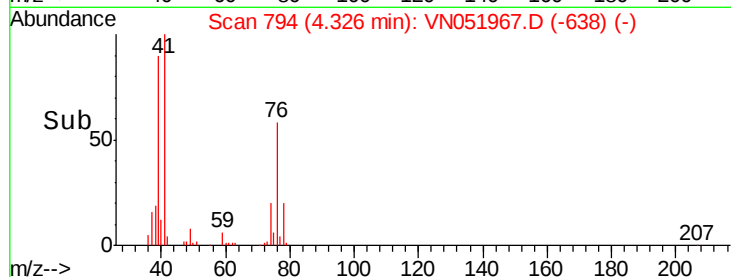
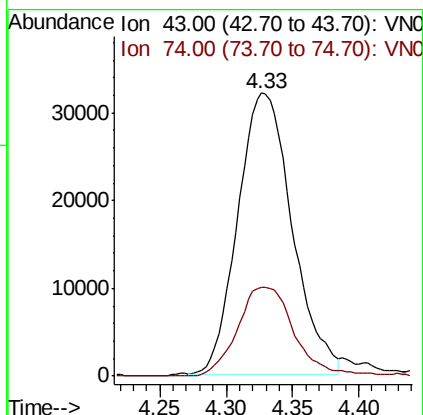
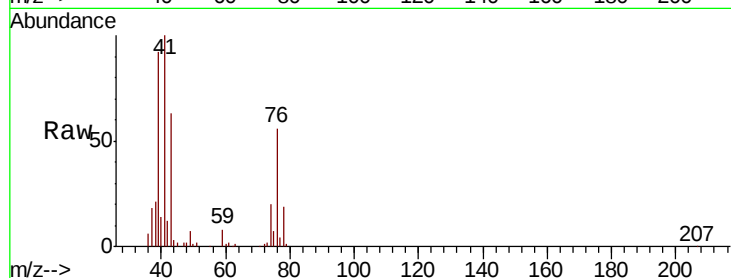
ClientSampled :

Tot Ion: 43 Resp: 91179

Ion Ratio Lower Upper

43 100

74 31.4 21.8 32.6



#13

Acrolein

Concen: 25.366 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN051967.D

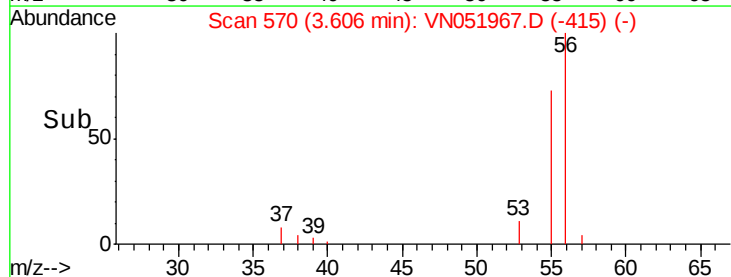
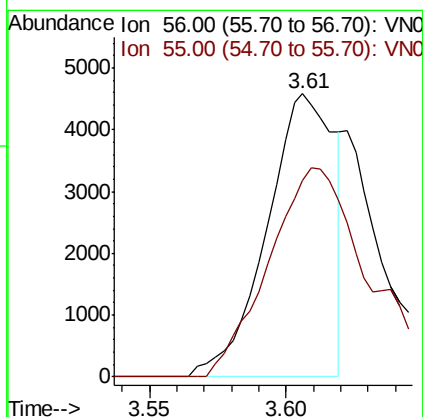
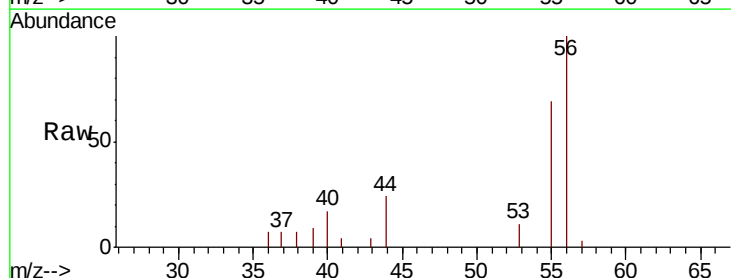
Acq: 23 Oct 2018 16:40

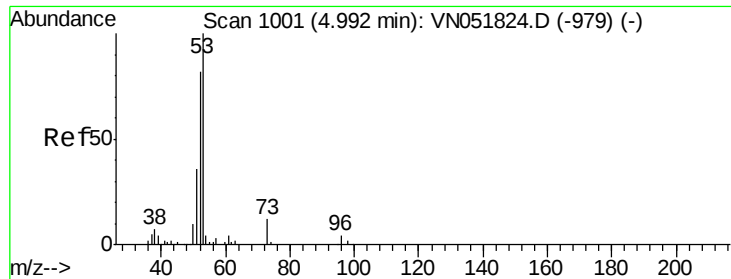
Tgt Ion: 56 Resp: 7855

Ion Ratio Lower Upper

56 100

55 92.4 64.0 96.0





#14

Acrylonitrile

Concen: 97.023 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN051967.D

Acq: 23 Oct 2018 16:40

Instrument :

MSVOA_N

ClientSampleId :

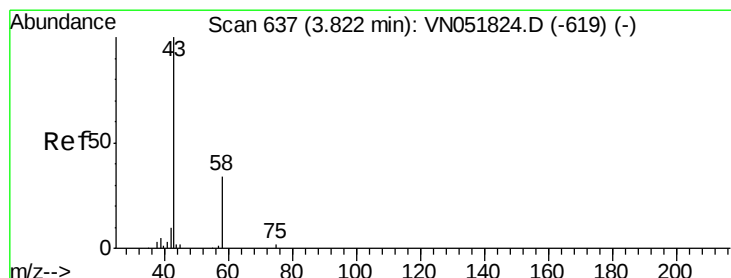
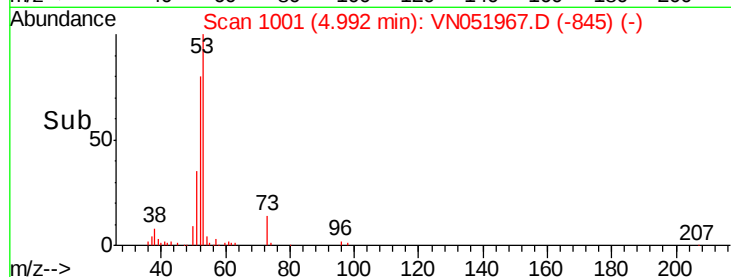
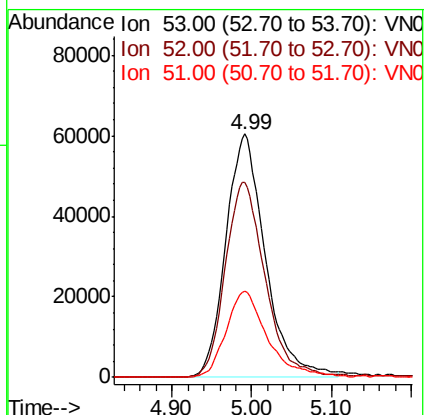
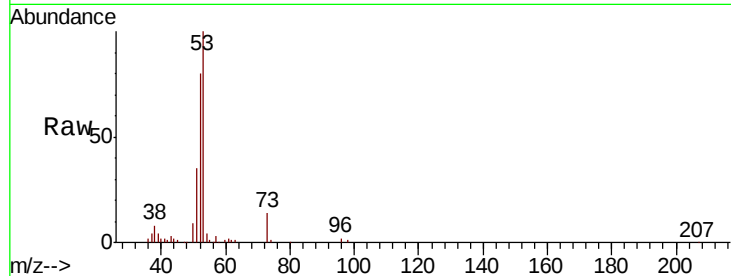
Tot Ion: 53 Resp: 203810

Ion Ratio Lower Upper

53 100

52 80.4 18.3 54.8#

51 36.7 19.7 59.1



#15

Acetone

Concen: 97.039 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.01 min

Lab File: VN051967.D

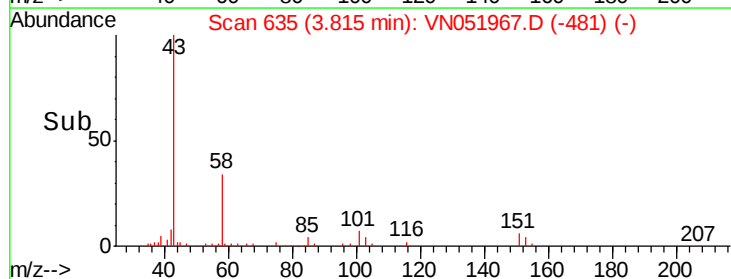
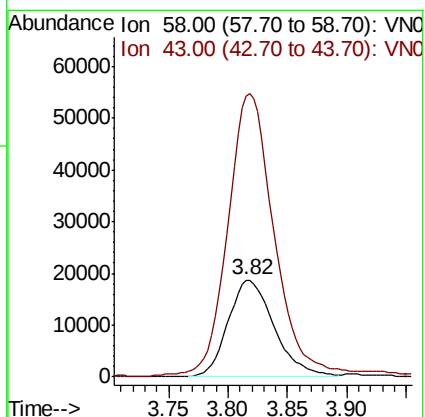
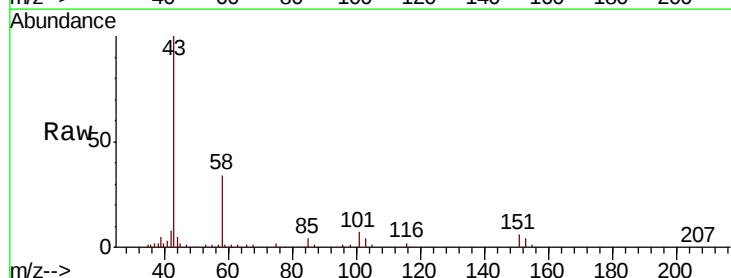
Acq: 23 Oct 2018 16:40

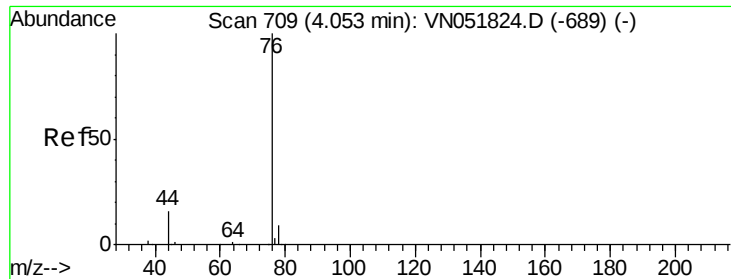
Tgt Ion: 58 Resp: 50390

Ion Ratio Lower Upper

58 100

43 284.7 232.2 348.2

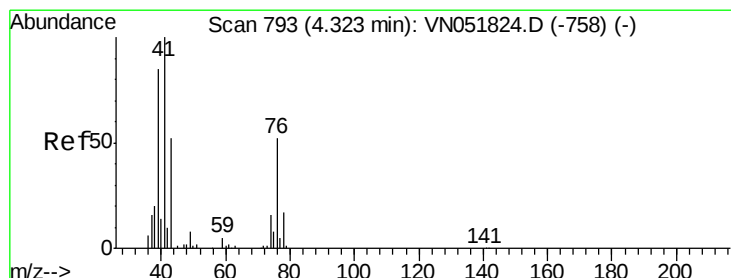
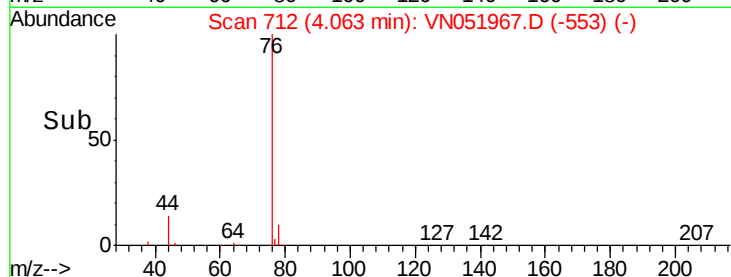
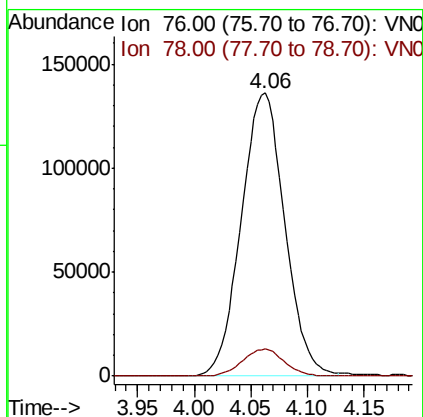
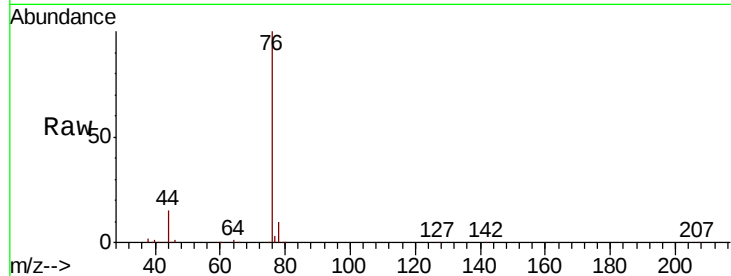




#16
Carbon Disulfide
Concen: 18.348 ug/l
RT: 4.06 min Scan# 712
Delta R.T. 0.01 min
Lab File: VN051967.D
Acq: 23 Oct 2018 16:40

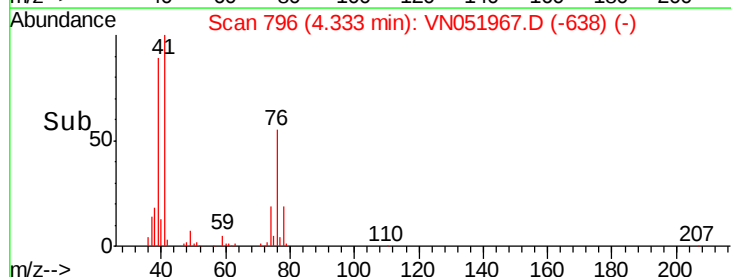
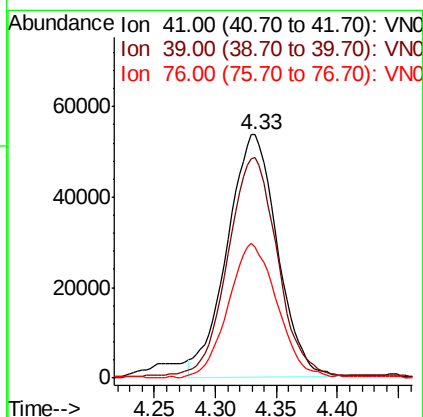
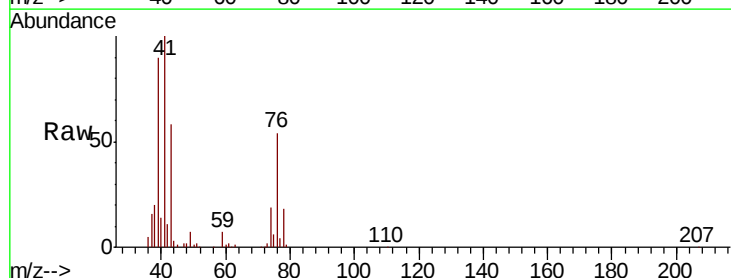
Instrument :
MSVOA_N
ClientSampled :

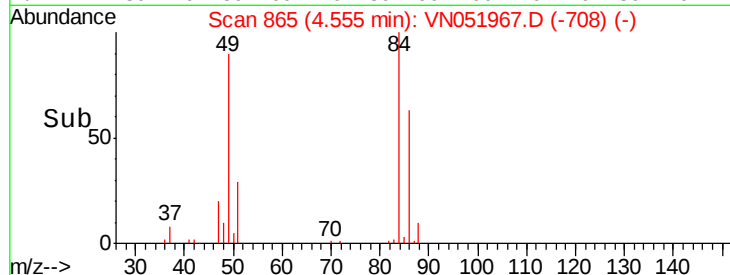
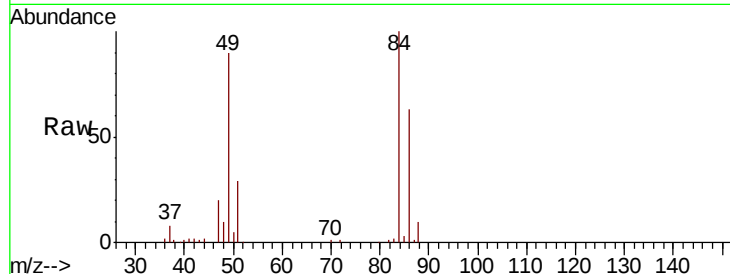
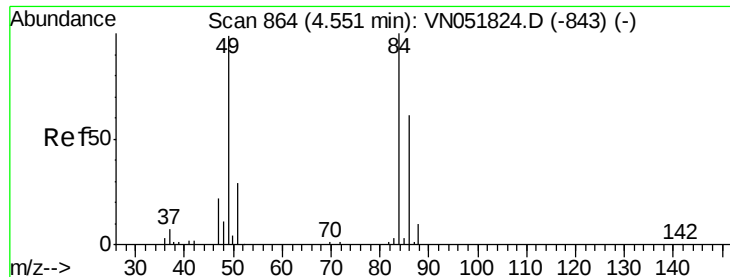
Tot Ion: 76 Resp: 364722
Ion Ratio Lower Upper
76 100
78 9.6 6.7 10.1



#17
Allyl chloride
Concen: 16.915 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN051967.D
Acq: 23 Oct 2018 16:40

Tgt Ion: 41 Resp: 151999
Ion Ratio Lower Upper
41 100
39 90.2 32.6 97.8
76 53.6 20.2 60.5

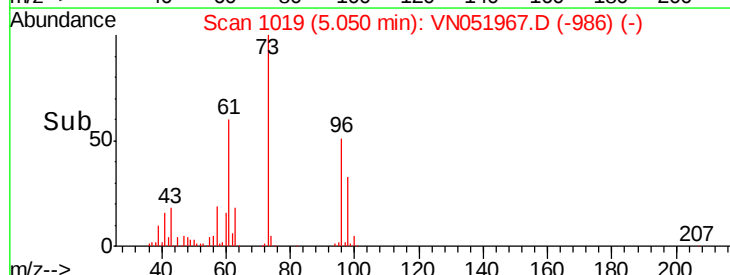
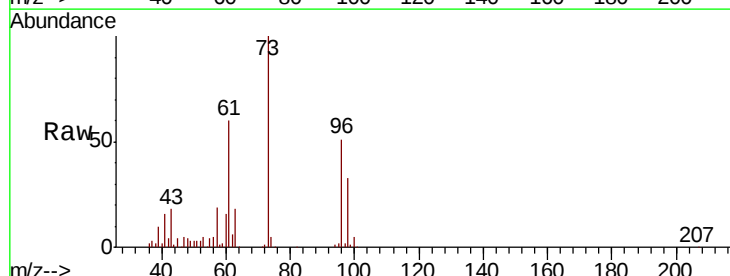
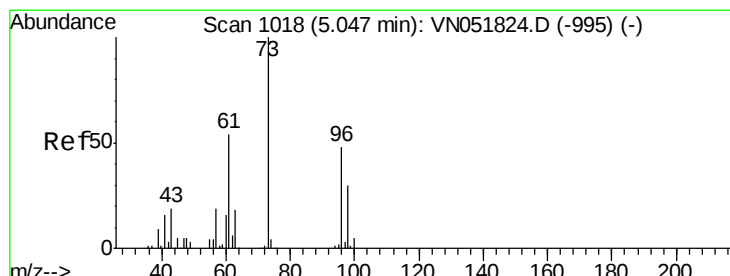
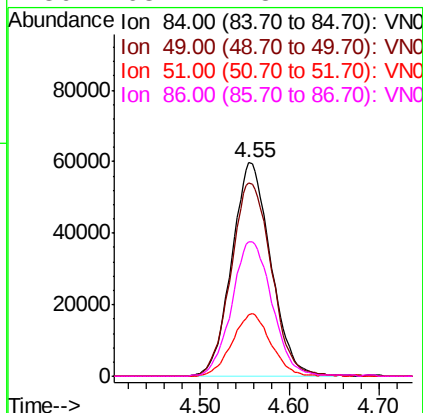




#18
Methvlene Chloride
Concen: 21.400 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051967.D
Acq: 23 Oct 2018 16:40

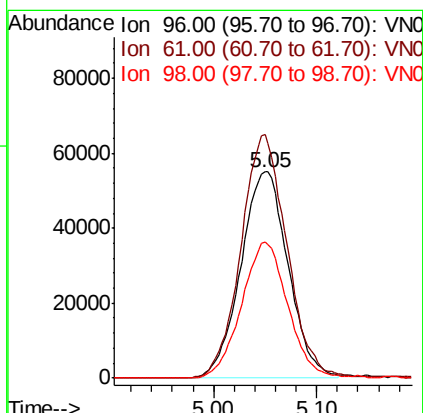
Instrument :
MSVOA_N
ClientSampleId :

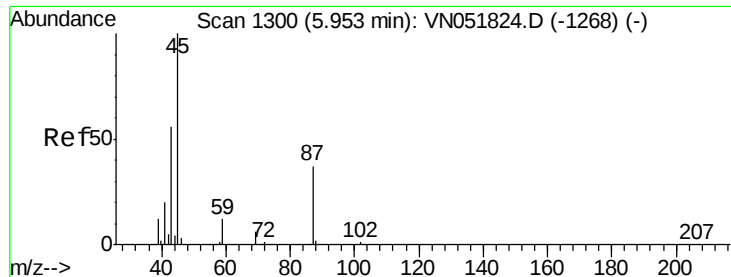
Tot Ion: 84 Resp: 181104
Ion Ratio Lower Upper
84 100
49 90.3 91.6 137.4#
51 28.6 29.8 44.6#
86 63.1 48.2 72.4



#19
trans-1,2-Dichloroethene
Concen: 20.326 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.01 min
Lab File: VN051967.D
Acq: 23 Oct 2018 16:40

Tgt Ion: 96 Resp: 175672
Ion Ratio Lower Upper
96 100
61 118.0 112.3 168.5
98 66.0 47.1 70.7

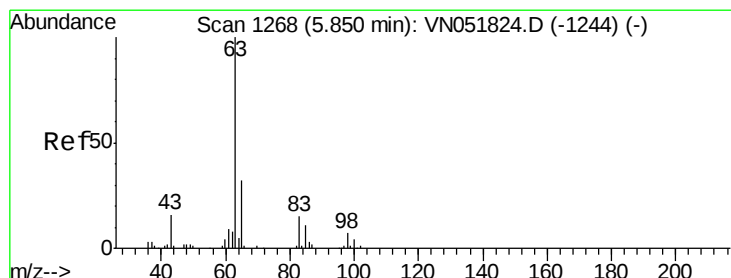
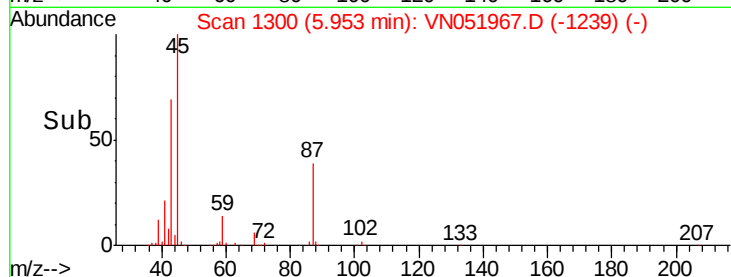
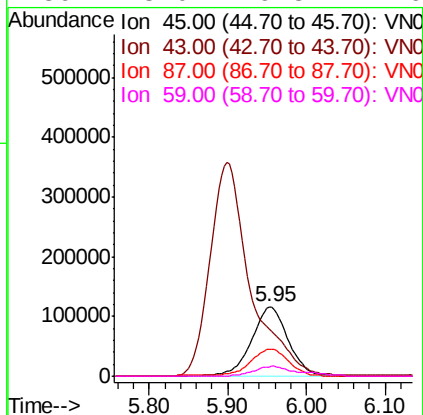
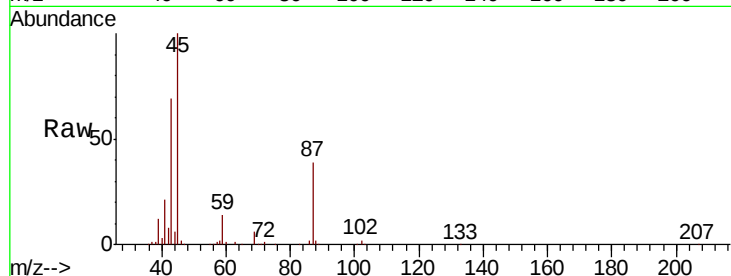




#20
Diisopropyl ether
Concen: 19.028 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN051967.D
Acq: 23 Oct 2018 16:40

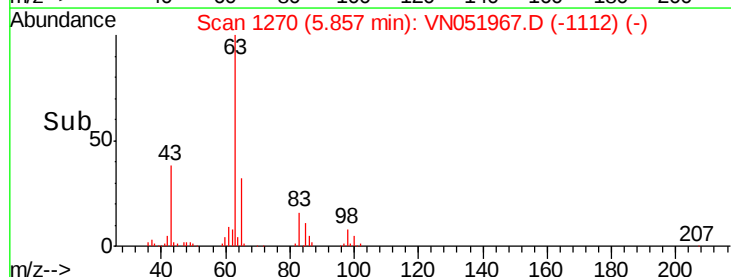
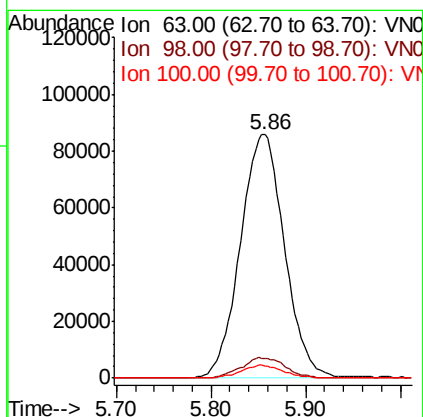
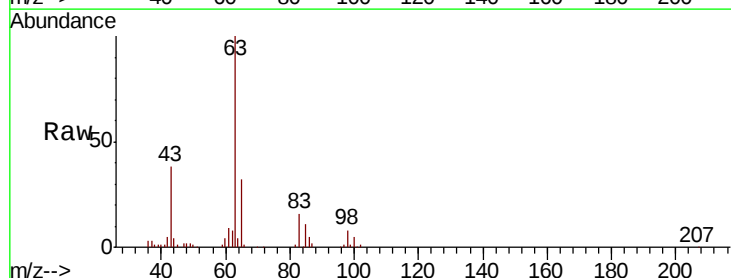
Instrument :
MSVOA_N
ClientSampleId :

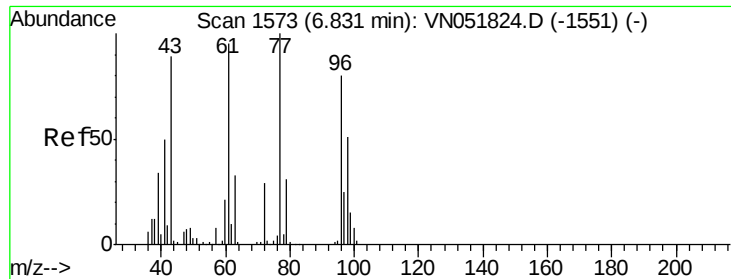
Tot Ion:	45	Resp:	380820
Ion	Ratio	Lower	Upper
45	100		
43	66.5	62.1	93.1
87	39.2	19.9	29.9#
59	13.0	9.8	14.6



#21
1,1-Dichloroethane
Concen: 19.839 ug/l
RT: 5.86 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VN051967.D
Acq: 23 Oct 2018 16:40

Tgt Ion:	63	Resp:	277425
Ion	Ratio	Lower	Upper
63	100		
98	8.2	4.1	12.3
100	5.1	1.6	4.7#





#22

cis-1,2-Dichloroethene

Concen: 20.561 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN051967.D

Acq: 23 Oct 2018 16:40

Instrument :
MSVOA_N
ClientSampleId :

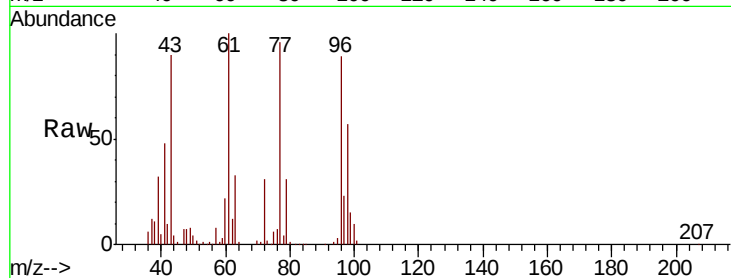
Tot Ion: 96 Resp: 208722

Ion Ratio Lower Upper

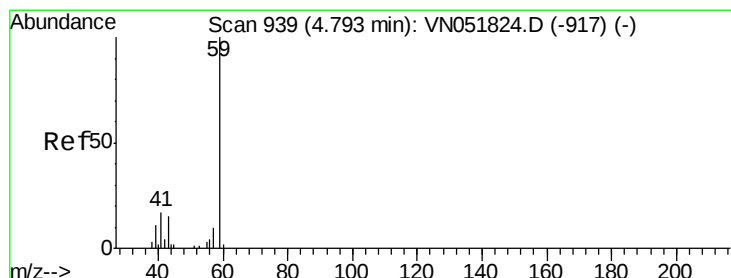
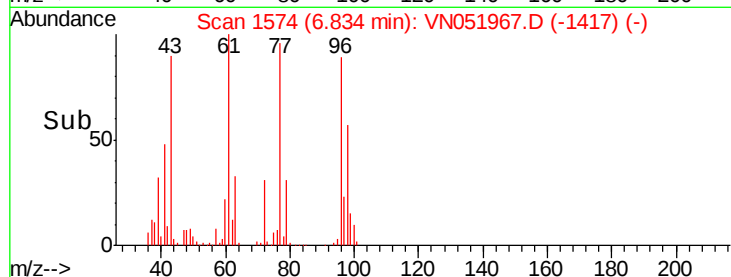
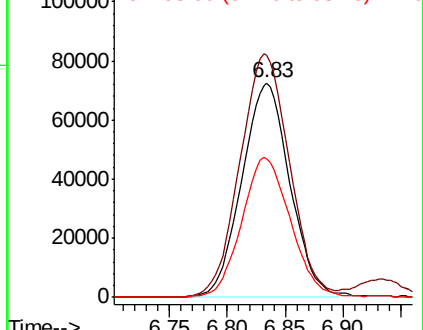
96 100

61 117.2 124.5 186.7#

98 66.1 51.9 77.9



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



#23

tert-Butyl Alcohol

Concen: 80.970 ug/l

RT: 4.78 min Scan# 936

Delta R.T. -0.01 min

Lab File: VN051967.D

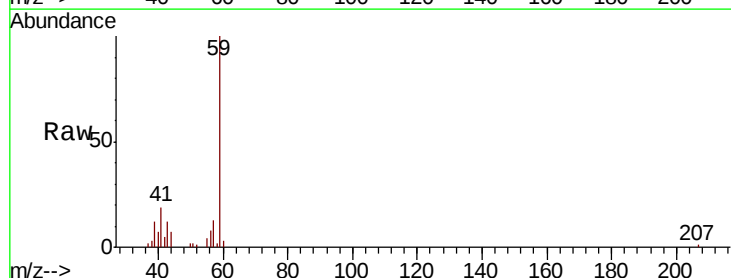
Acq: 23 Oct 2018 16:40

Tgt Ion: 59 Resp: 44796

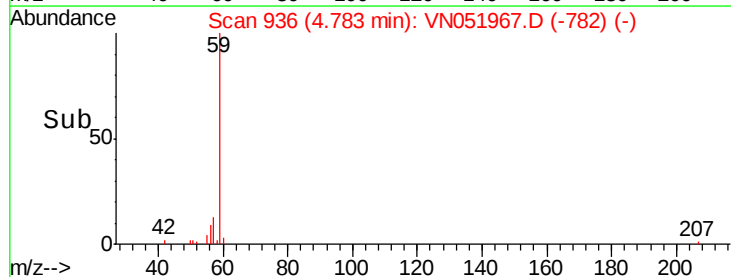
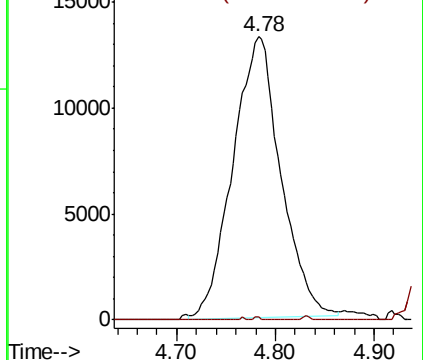
Ion Ratio Lower Upper

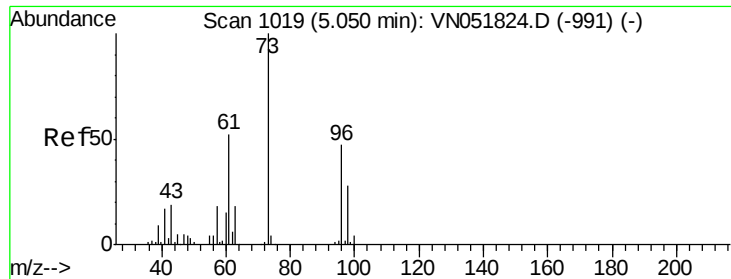
59 100

52 0.1 0.0 0.0#



Abundance Ion 59.00 (58.70 to 59.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

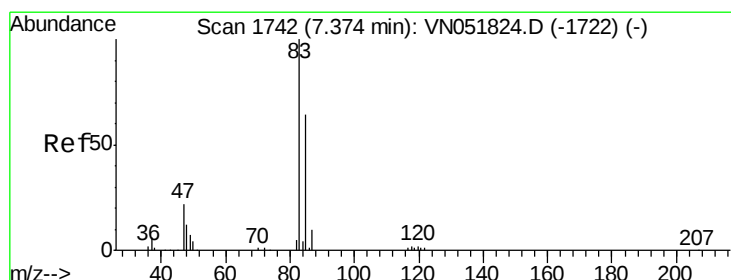
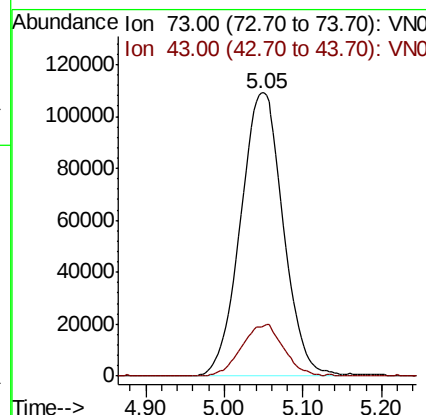
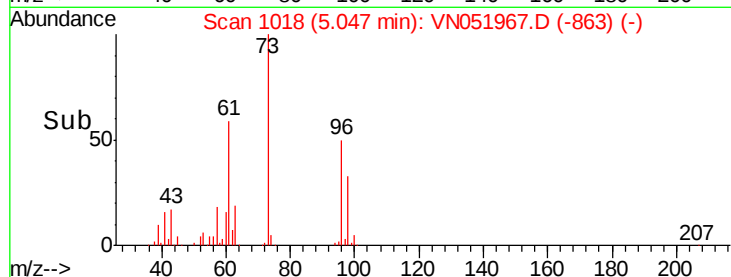
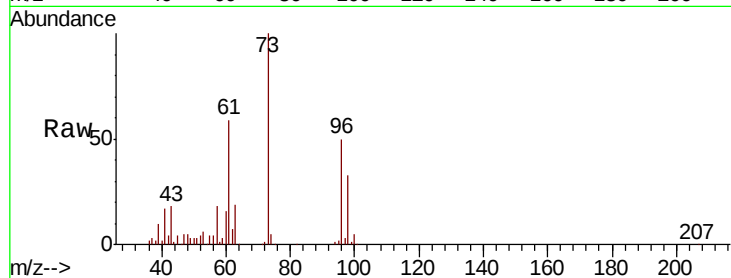




#24
Methvl tert-Butvl Ether
Concen: 19.078 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN051967.D
Acq: 23 Oct 2018 16:40

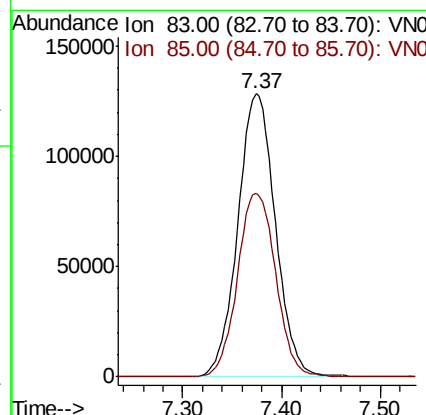
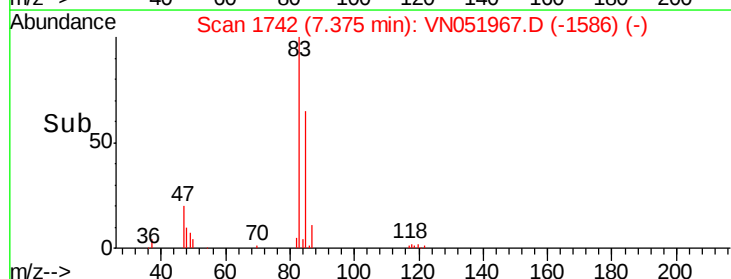
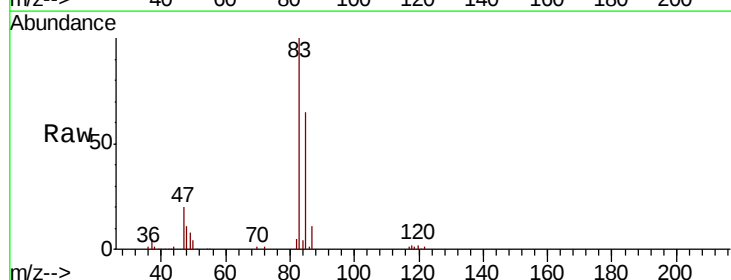
Instrument :
MSVOA_N
ClientSampleId :

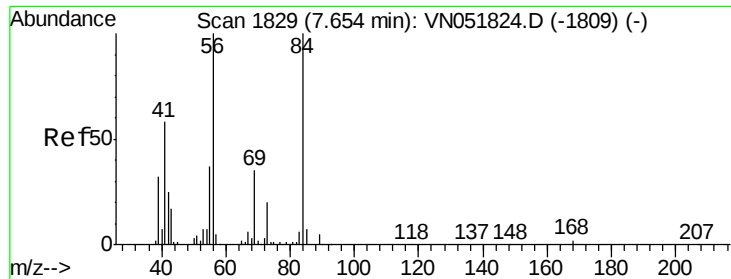
Tot Ion: 73 Resp: 416018
Ion Ratio Lower Upper
73 100
43 18.1 5.4 8.0#



#25
Chloroform
Concen: 20.455 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051967.D
Acq: 23 Oct 2018 16:40

Tgt Ion: 83 Resp: 339354
Ion Ratio Lower Upper
83 100
85 65.0 54.6 82.0

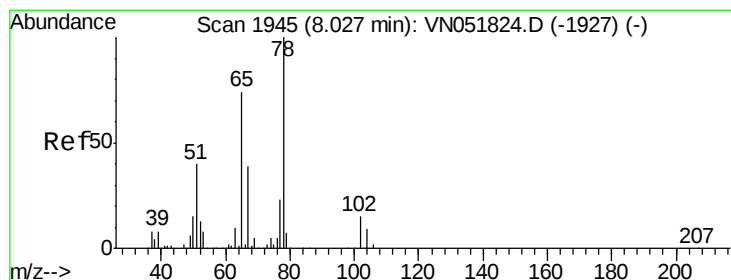
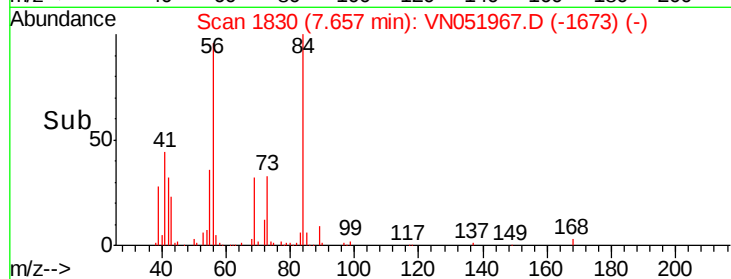
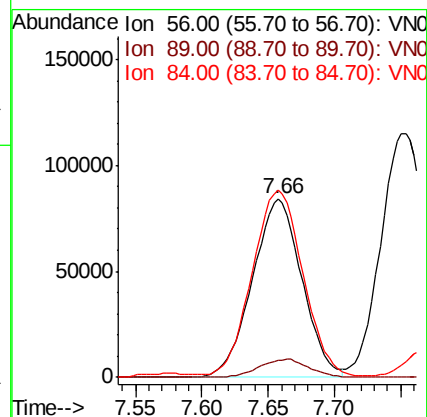
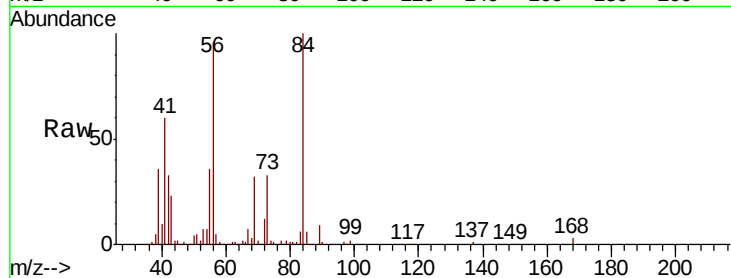




#26
Cyclohexane
Concen: 18.555 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN051967.D
Acq: 23 Oct 2018 16:40

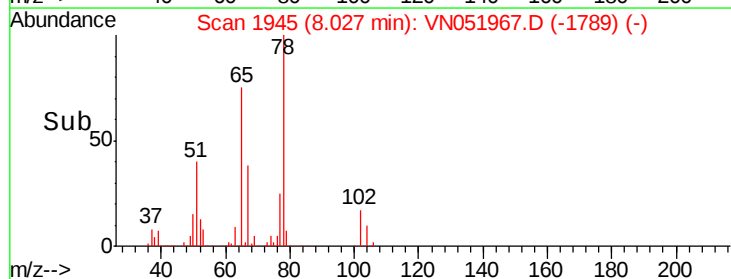
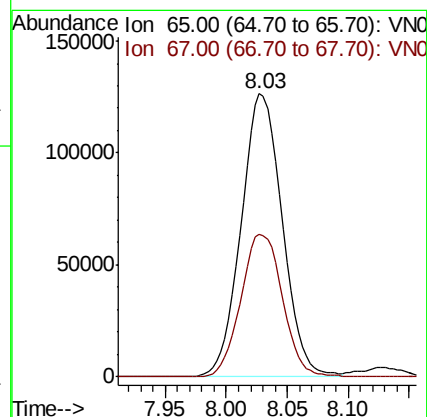
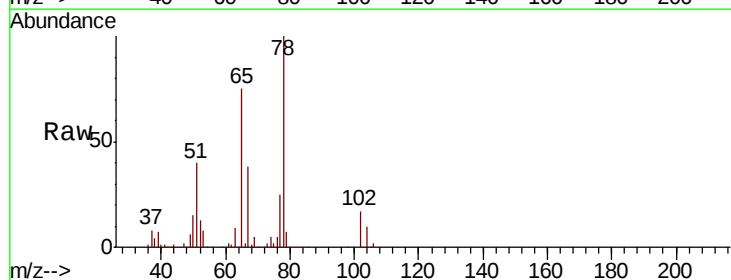
Instrument :
MSVOA_N
ClientSampled :

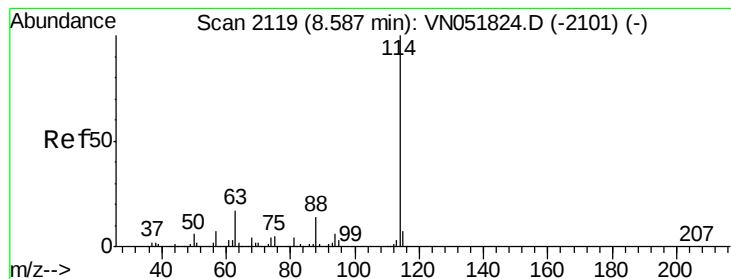
Tot Ion: 56 Resp: 219980
Ion Ratio Lower Upper
56 100
89 10.1 1.5 2.3#
84 108.2 64.2 96.4#



#27
1,2-Dichloroethane-d4
Concen: 18.555 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN051967.D
Acq: 23 Oct 2018 16:40

Tgt Ion: 65 Resp: 295205
Ion Ratio Lower Upper
65 100
67 51.1 41.8 62.8





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN051967.D

Acq: 23 Oct 2018 16:40

Instrument :

MSVOA_N

ClientSampleId :

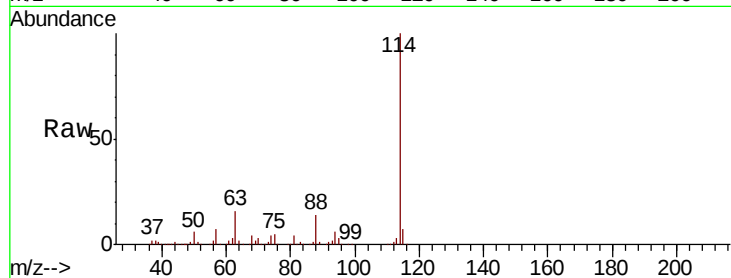
Tot Ion:114 Resp: 928115

Ion Ratio Lower Upper

114 100

63 15.8 16.2 24.2#

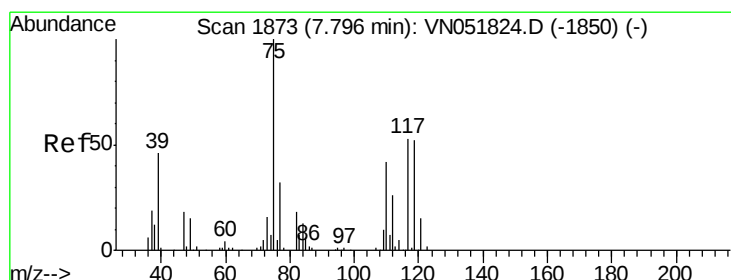
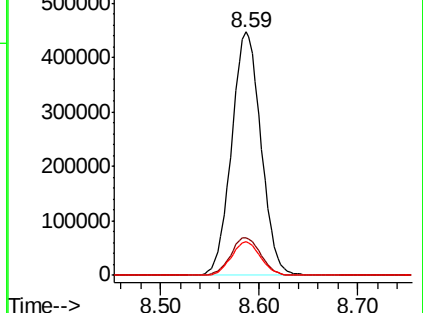
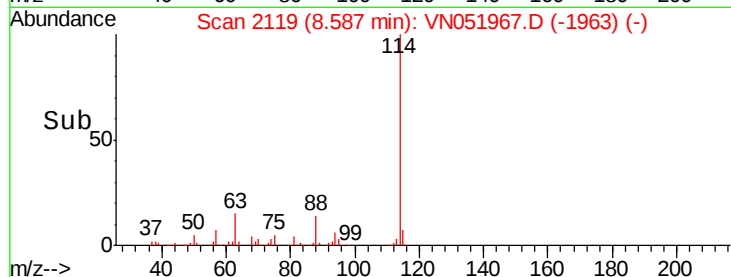
88 13.8 12.2 18.4



Abundance Ion 114.00 (113.70 to 114.70): VN051824.D (-2101) (-)

Ion 63.00 (62.70 to 63.70): VN051824.D (-2101) (-)

Ion 88.00 (87.70 to 88.70): VN051824.D (-2101) (-)



#29

1,1-Dichloropropene

Concen: 20.083 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VN051967.D

Acq: 23 Oct 2018 16:40

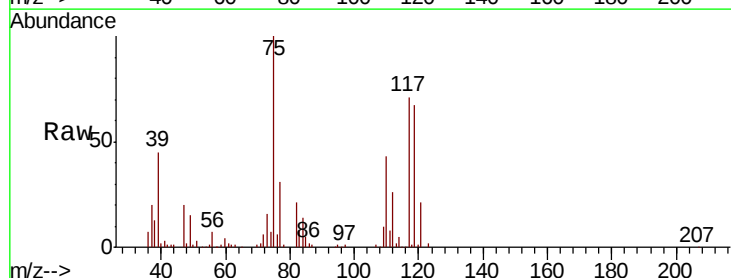
Tgt Ion: 75 Resp: 240262

Ion Ratio Lower Upper

75 100

110 42.5 0.0 70.8

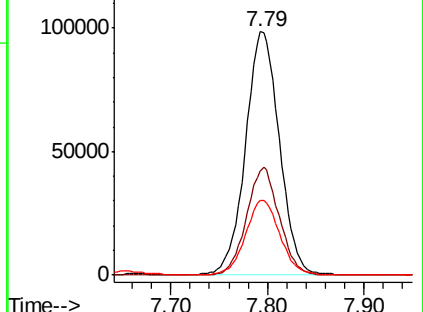
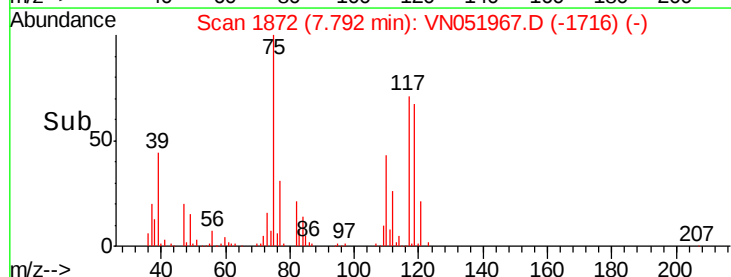
77 31.2 0.0 61.6

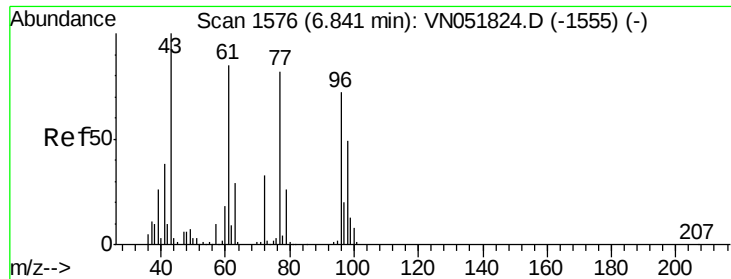


Abundance Ion 75.00 (74.70 to 75.70): VN051824.D (-1850) (-)

Ion 110.00 (109.70 to 110.70): VN051824.D (-1850) (-)

Ion 77.00 (76.70 to 77.70): VN051824.D (-1850) (-)

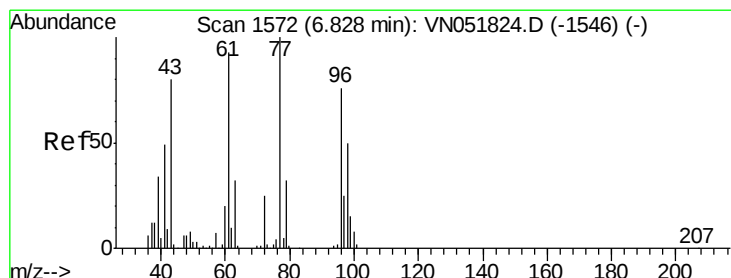
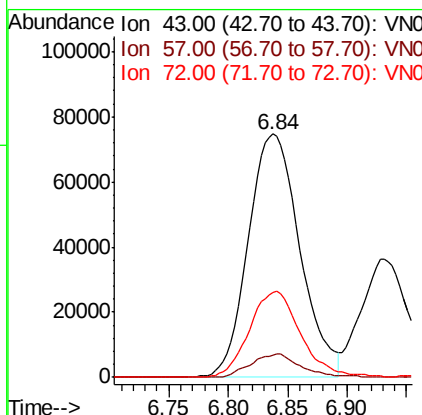
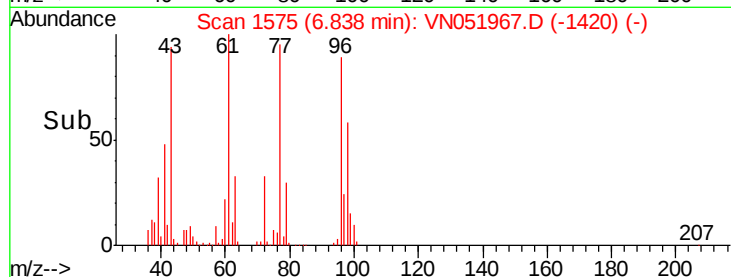
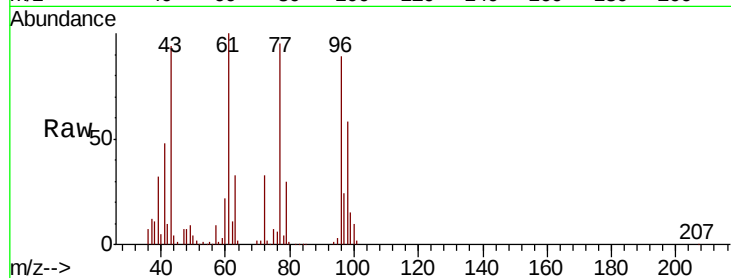




#30
2-Butanone
Concen: 89.345 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VN051967.D
Acq: 23 Oct 2018 16:40

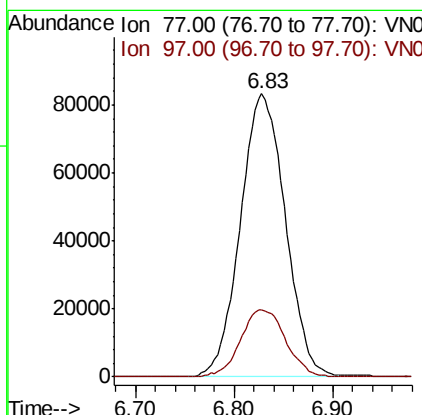
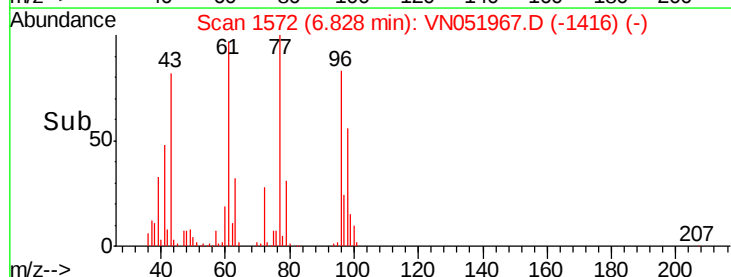
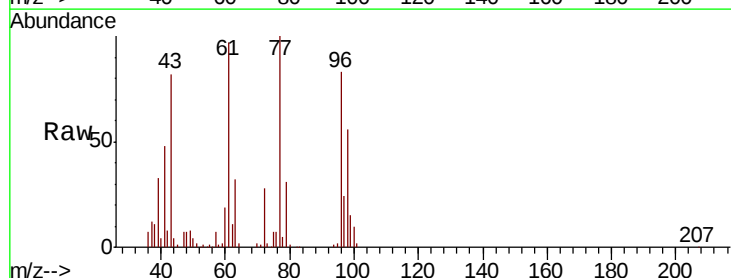
Instrument :
MSVOA_N
ClientSampled :

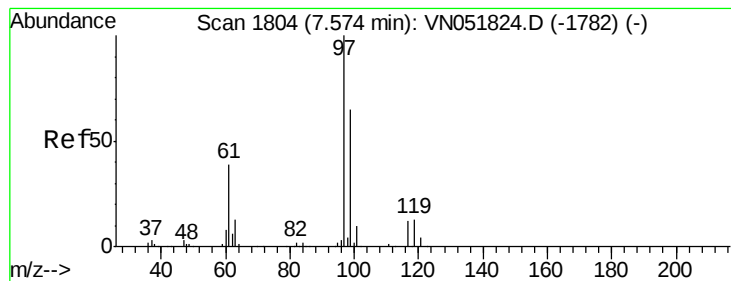
Tot Ion: 43 Resp: 223408
Ion Ratio Lower Upper
43 100
57 9.4 4.5 6.7#
72 34.9 21.5 32.3#



#31
2,2-Dichloropropane
Concen: 18.668 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN051967.D
Acq: 23 Oct 2018 16:40

Tgt Ion: 77 Resp: 262733
Ion Ratio Lower Upper
77 100
97 23.8 12.0 18.0#





#32

1,1,1-Trichloroethane

Concen: 19.778 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN051967.D

Acq: 23 Oct 2018 16:40

Instrument :

MSVOA_N

ClientSampleId :

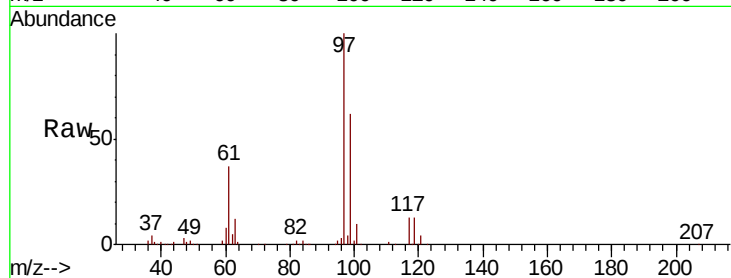
Tot Ion: 97 Resp: 313695

Ion Ratio Lower Upper

97 100

99 64.0 51.6 77.4

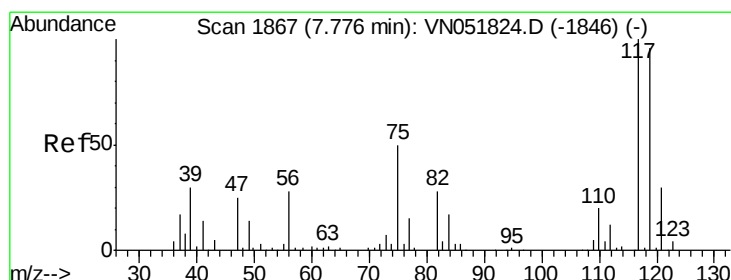
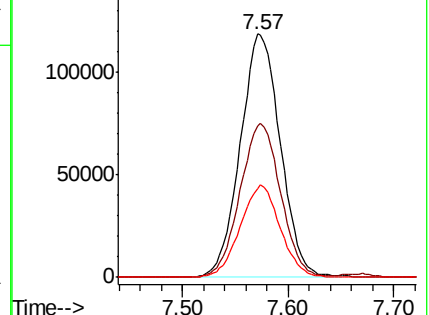
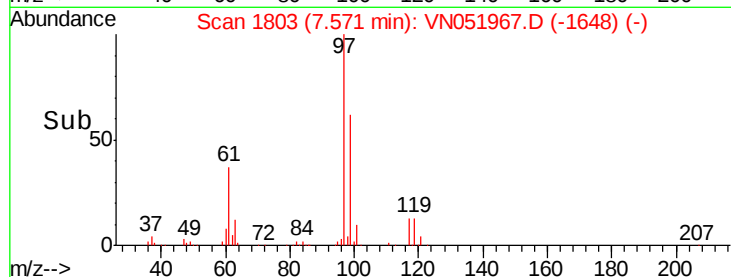
61 37.8 37.4 56.0



Abundance Ion 97.00 (96.70 to 97.70): VN051824.D (-1782) (-)

Ion 99.00 (98.70 to 99.70): VN051824.D (-1782) (-)

Ion 61.00 (60.70 to 61.70): VN051824.D (-1782) (-)



#33

Carbon Tetrachloride

Concen: 19.021 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN051967.D

Acq: 23 Oct 2018 16:40

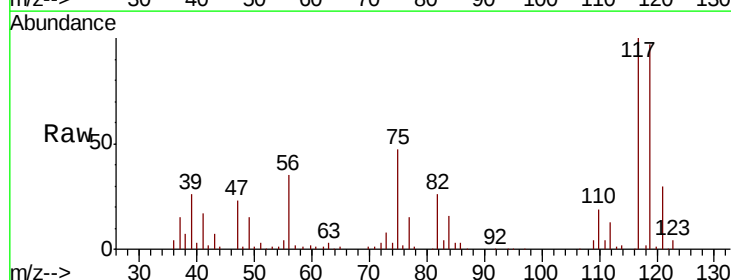
Tgt Ion: 117 Resp: 272951

Ion Ratio Lower Upper

117 100

119 97.5 85.1 127.7

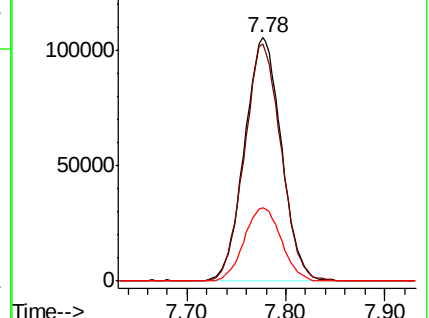
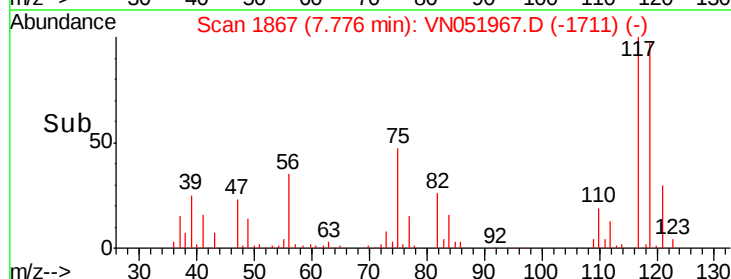
121 30.1 24.2 36.2

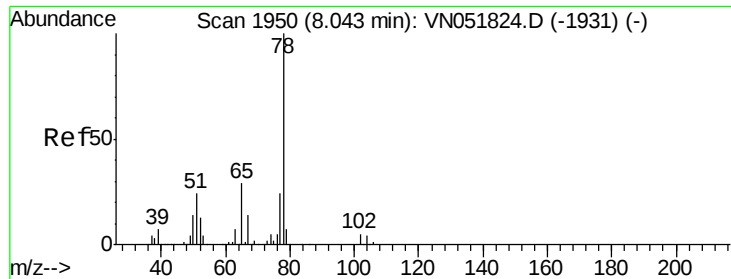


Abundance Ion 117.00 (116.70 to 117.70): VN051824.D (-1846) (-)

Ion 119.00 (118.70 to 119.70): VN051824.D (-1846) (-)

Ion 121.00 (120.70 to 121.70): VN051824.D (-1846) (-)





#34

Benzene

Concen: 20.211 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN051967.D

Acq: 23 Oct 2018 16:40

Instrument :

MSVOA_N

ClientSampleId :

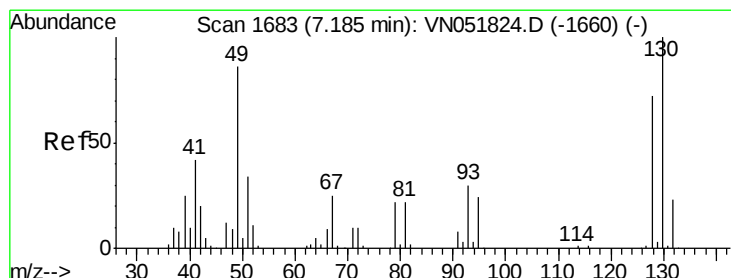
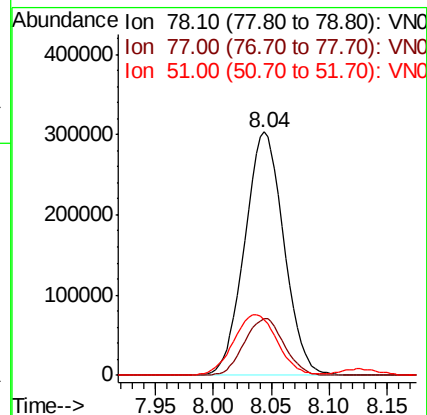
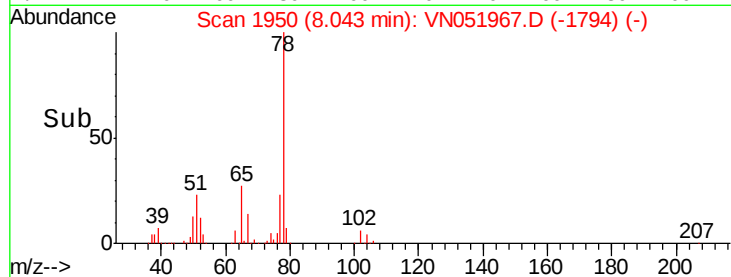
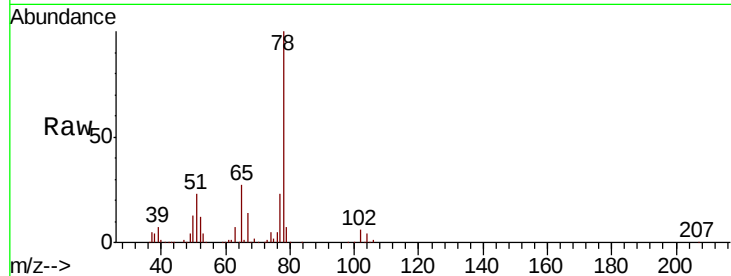
Tot Ion: 78 Resp: 715210

Ion Ratio Lower Upper

78 100

77 23.1 18.8 28.2

51 22.8 46.2 69.4#



#35

Methacrylonitrile

Concen: 14.401 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. -0.02 min

Lab File: VN051967.D

Acq: 23 Oct 2018 16:40

Tgt Ion: 41 Resp: 47311

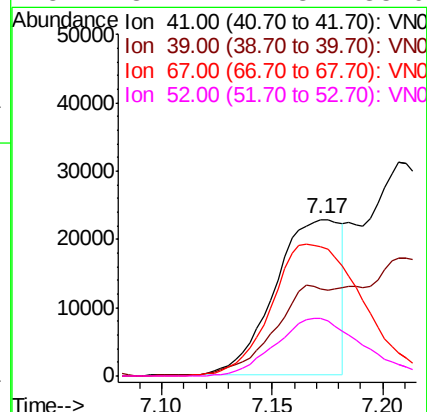
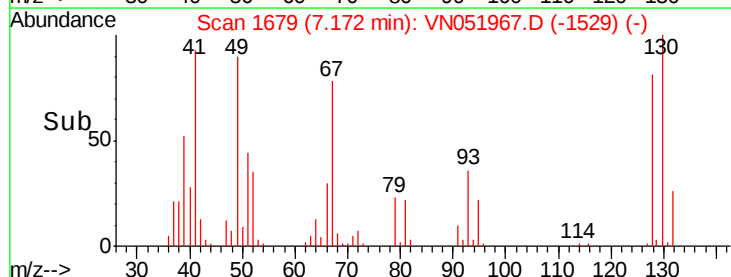
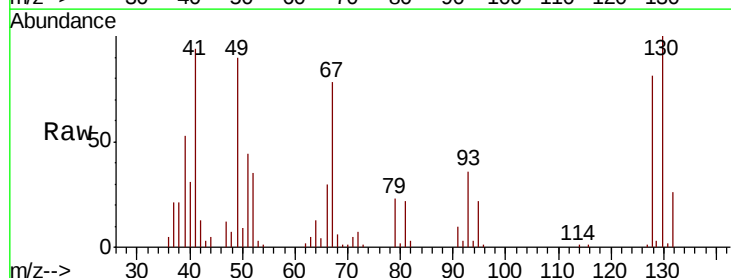
Ion Ratio Lower Upper

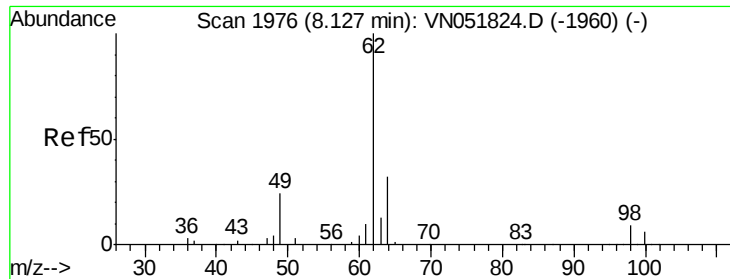
41 100

39 55.5 22.6 67.7

67 82.8 28.9 86.8

52 37.4 11.3 33.9#

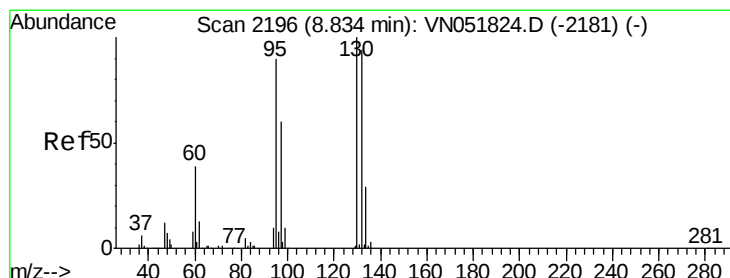
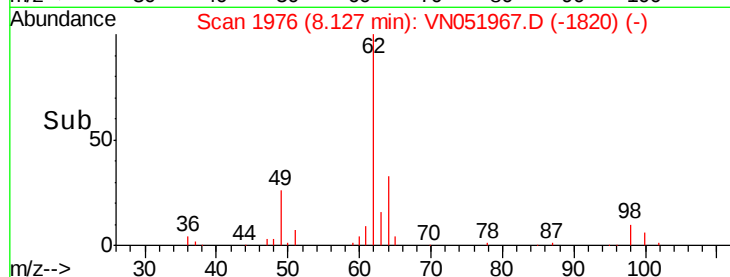
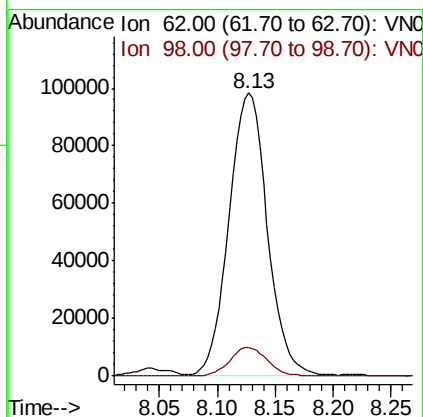
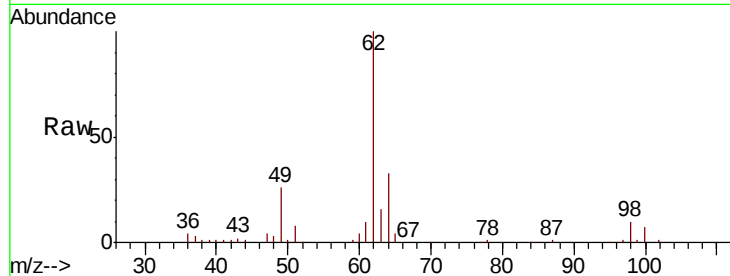




#36
 1,2-Dichloroethane
 Concen: 19.969 ug/l
 RT: 8.13 min Scan# 1976
 Delta R.T. 0.00 min
 Lab File: VN051967.D
 Acq: 23 Oct 2018 16:40

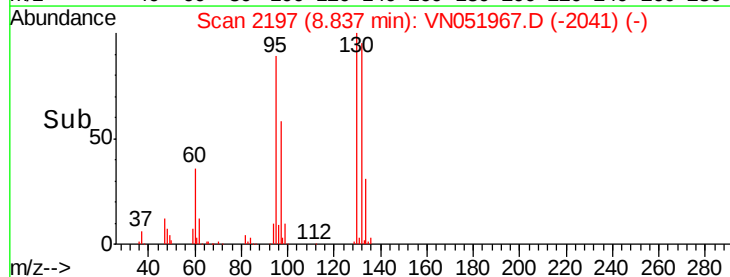
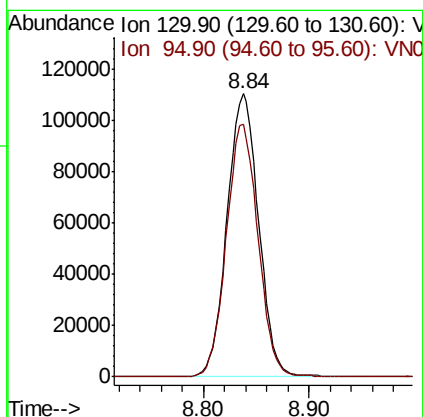
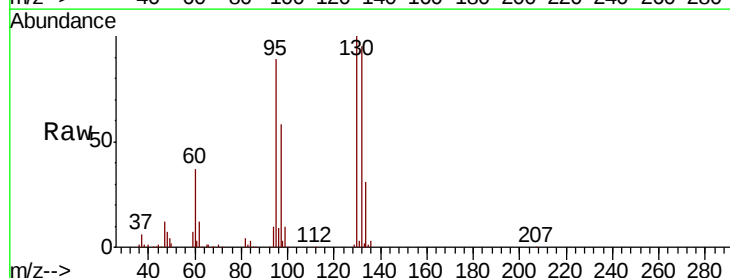
Instrument :
 MSVOA_N
 ClientSampleId :

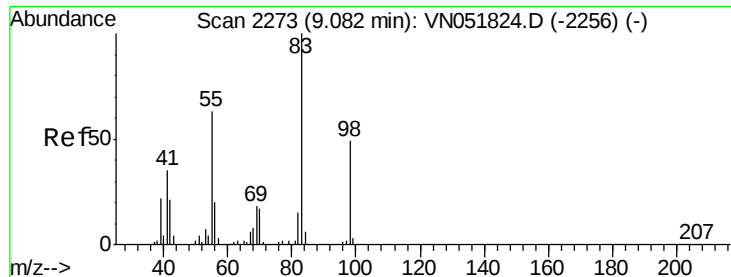
Tot Ion: 62 Resp: 226430
 Ion Ratio Lower Upper
 62 100
 98 10.0 6.9 10.3



#37
 Trichloroethene
 Concen: 20.794 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN051967.D
 Acq: 23 Oct 2018 16:40

Tgt Ion:130 Resp: 228428
 Ion Ratio Lower Upper
 130 100
 95 89.1 76.4 114.6

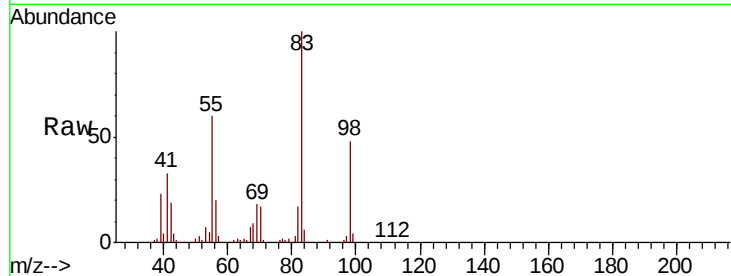




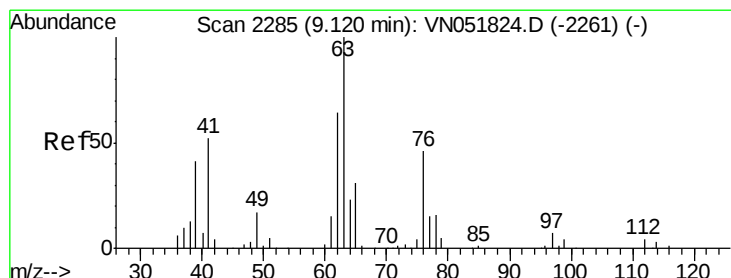
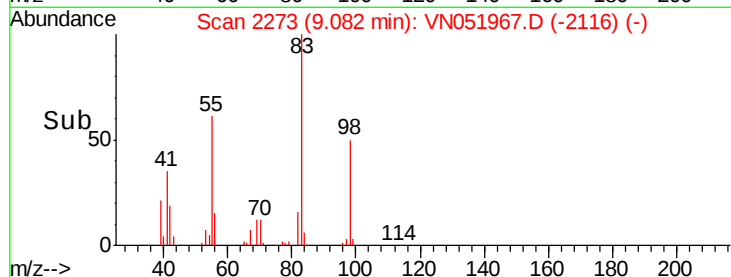
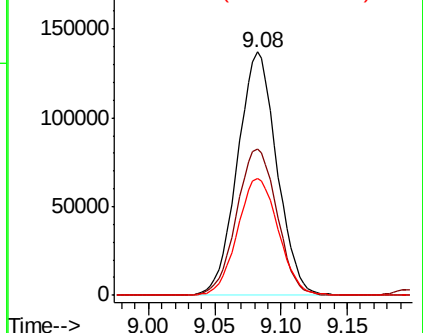
#38
Methvlcvclohexane
Concen: 18.450 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN051967.D
Acq: 23 Oct 2018 16:40

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 283112
Ion Ratio Lower Upper
83 100
55 61.7 43.0 129.2
98 49.9 21.3 63.7

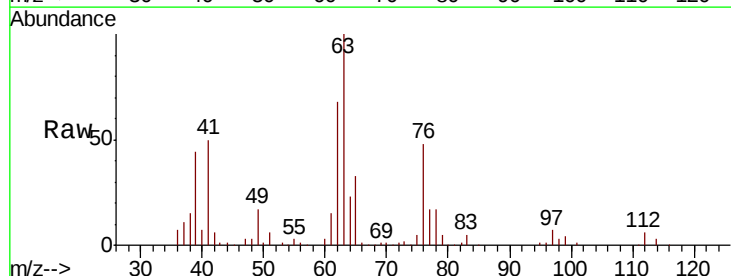


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

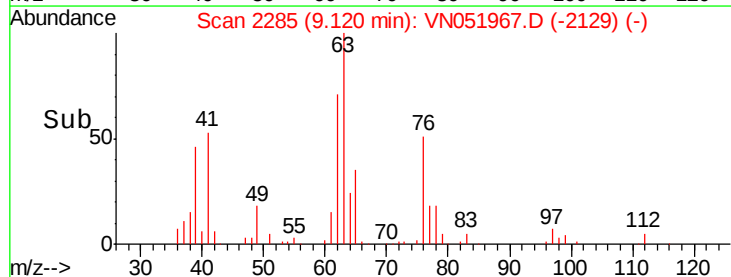
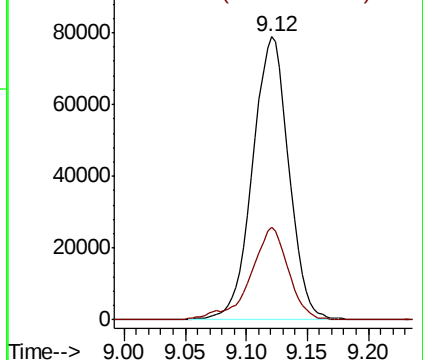


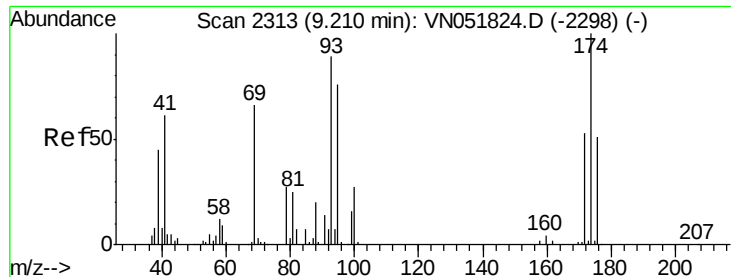
#39
1,2-Dichloropropane
Concen: 19.462 ug/l
RT: 9.12 min Scan# 2285
Delta R.T. 0.00 min
Lab File: VN051967.D
Acq: 23 Oct 2018 16:40

Tgt Ion: 63 Resp: 162193
Ion Ratio Lower Upper
63 100
65 32.5 23.2 34.8



Abundance Ion 63.00 (62.70 to 63.70): VN0
Ion 65.00 (64.70 to 65.70): VN0





#40

Dibromomethane

Concen: 20.353 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN051967.D

Acq: 23 Oct 2018 16:40

Instrument :

MSVOA_N

ClientSampled :

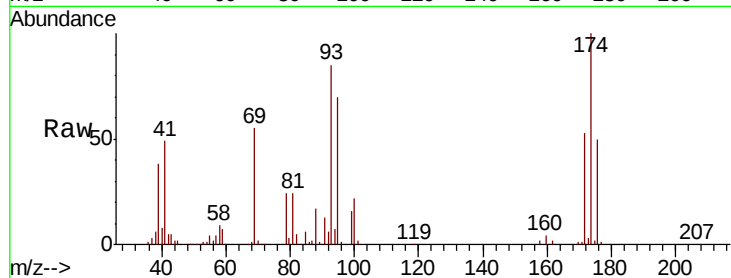
Tot Ion: 93 Resp: 125892

Ion Ratio Lower Upper

93 100

95 83.8 0.0 162.0

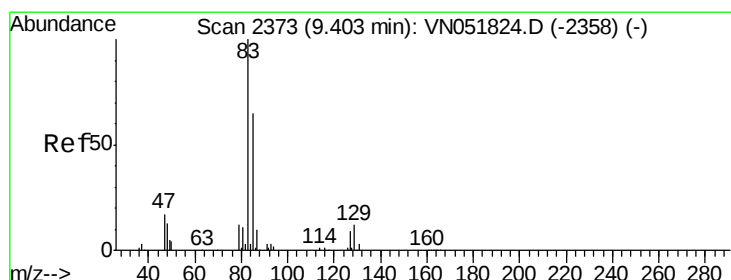
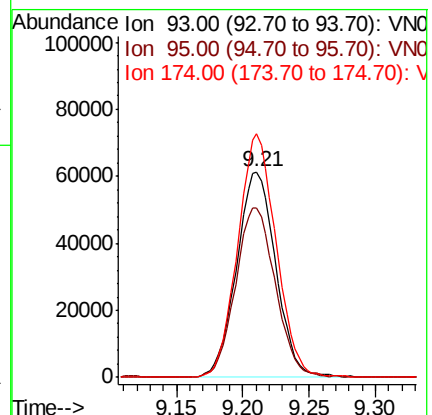
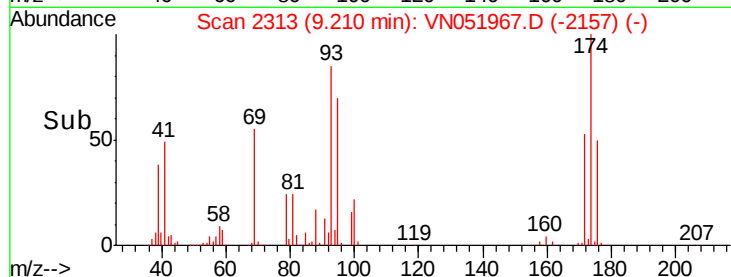
174 116.0 0.0 214.0



Abundance Ion 93.00 (92.70 to 93.70): VN051824.D (-2298) (-)

Ion 95.00 (94.70 to 95.70): VN051824.D (-2298) (-)

Ion 174.00 (173.70 to 174.70): VN051824.D (-2298) (-)



#41

Bromodichloromethane

Concen: 19.395 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN051967.D

Acq: 23 Oct 2018 16:40

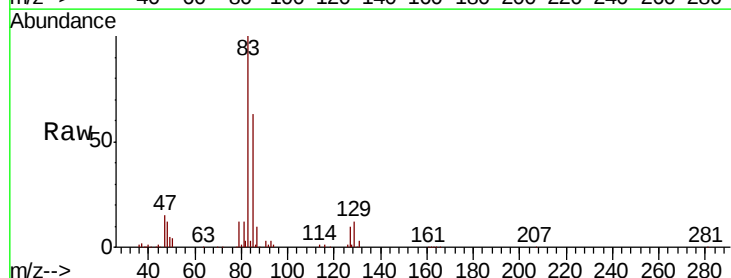
Tgt Ion: 83 Resp: 247792

Ion Ratio Lower Upper

83 100

85 63.3 55.7 83.5

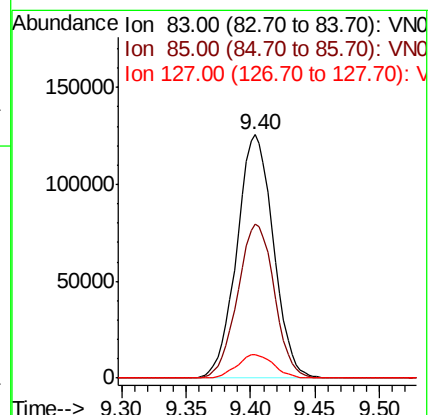
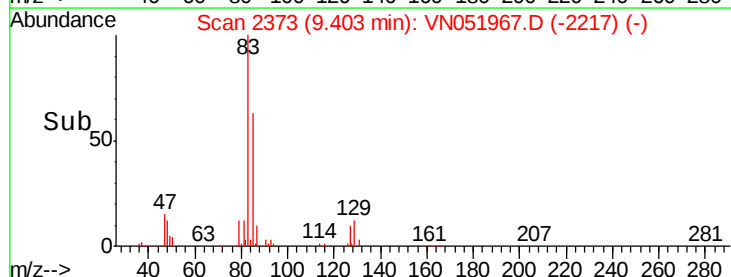
127 9.6 8.2 12.4

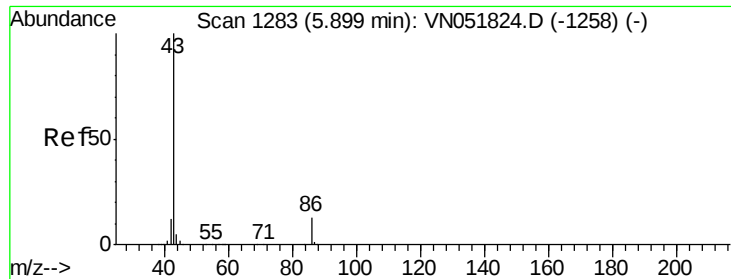


Abundance Ion 83.00 (82.70 to 83.70): VN051824.D (-2358) (-)

Ion 85.00 (84.70 to 85.70): VN051824.D (-2358) (-)

Ion 127.00 (126.70 to 127.70): VN051824.D (-2358) (-)





#42

Vinyl Acetate

Concen: 90.586 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN051967.D

Acq: 23 Oct 2018 16:40

Instrument :

MSVOA_N

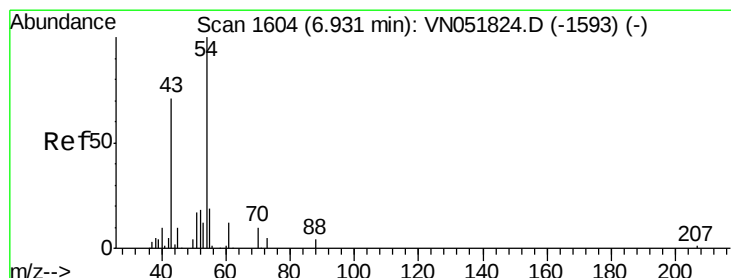
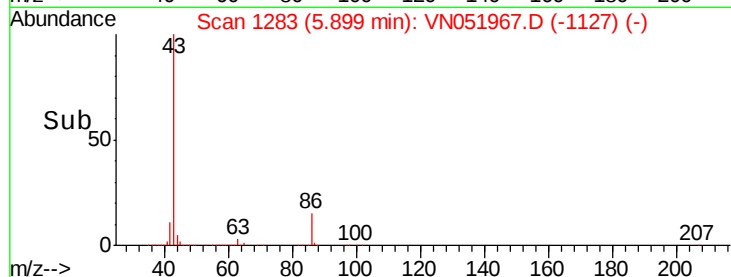
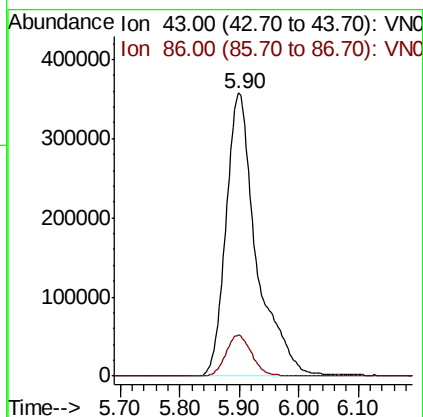
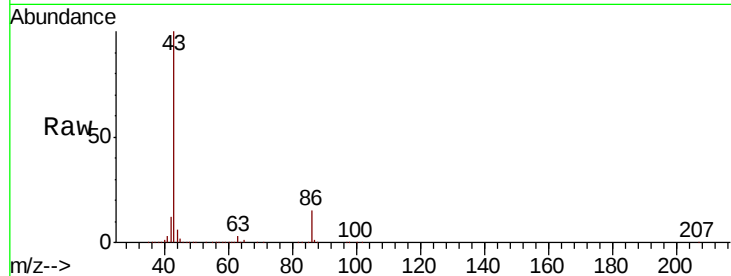
ClientSampled :

Tot Ion: 43 Resp: 1275112

Ion Ratio Lower Upper

43 100

86 12.2 6.5 9.7#



#43

Ethyl Acetate

Concen: 16.459 ug/l

RT: 6.93 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VN051967.D

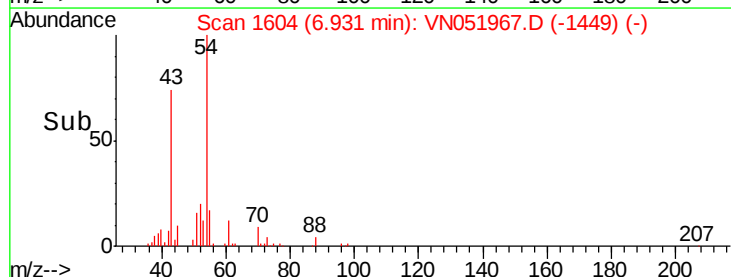
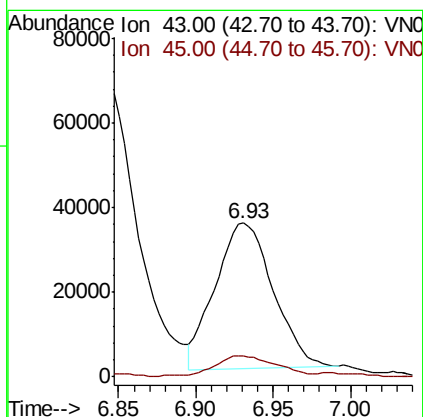
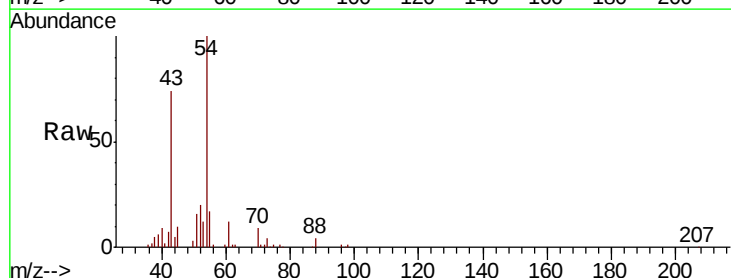
Acq: 23 Oct 2018 16:40

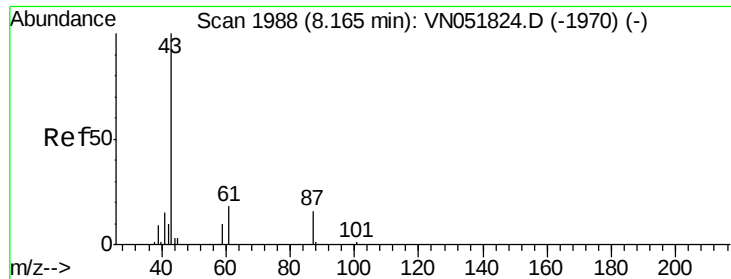
Tgt Ion: 43 Resp: 89366

Ion Ratio Lower Upper

43 100

45 15.6 11.0 16.6



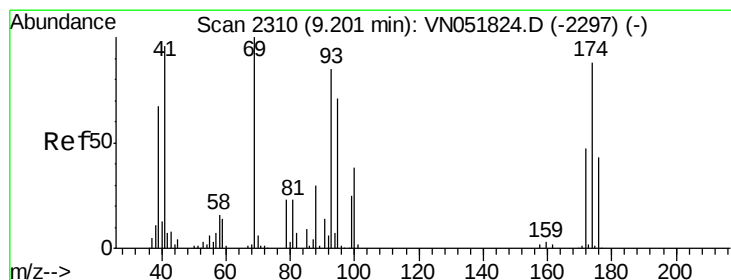
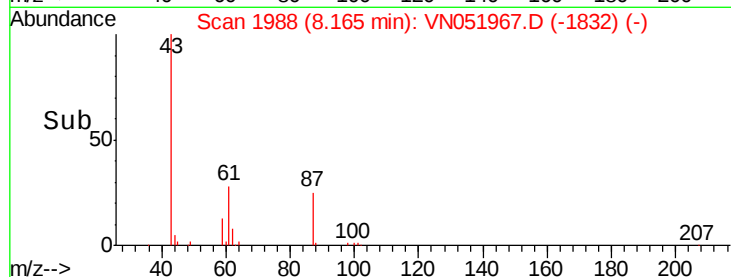
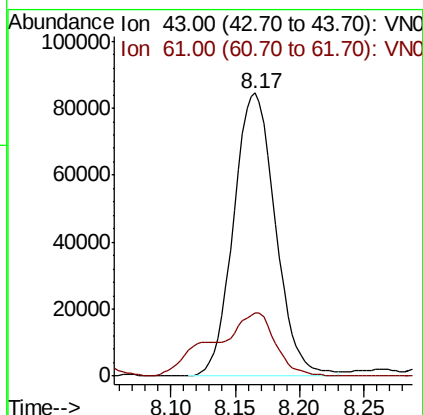
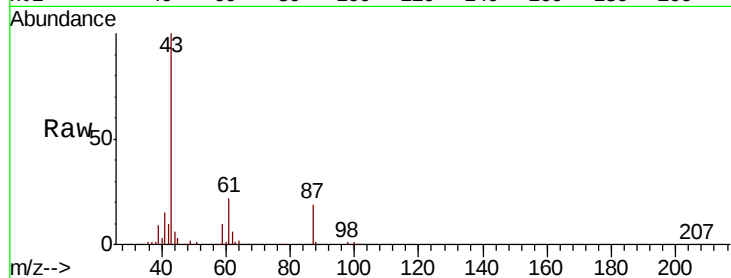


#44

Isopropyl Acetate
 Concen: 17.434 ug/l
 RT: 8.17 min Scan# 1988
 Delta R.T. 0.00 min
 Lab File: VN051967.D
 Acq: 23 Oct 2018 16:40

Instrument :
 MSVOA_N
 ClientSampleId :

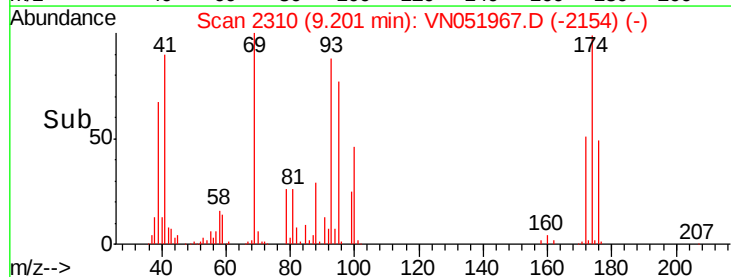
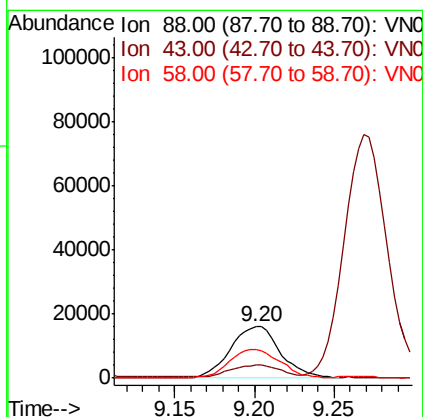
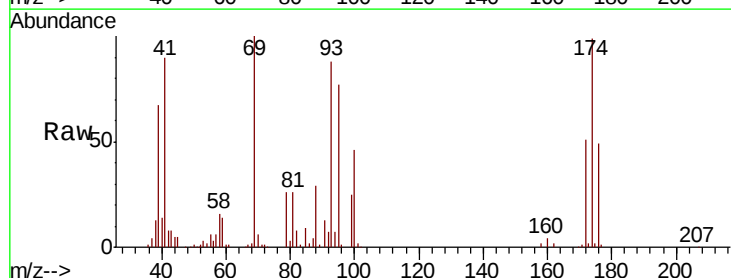
Tot Ion: 43 Resp: 189065
 Ion Ratio Lower Upper
 43 100
 61 21.6 15.9 23.9

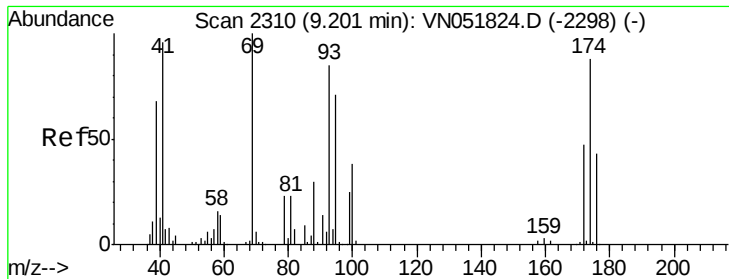


#45

1,4-Dioxane
 Concen: 396.580 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN051967.D
 Acq: 23 Oct 2018 16:40

Tgt Ion: 88 Resp: 34534
 Ion Ratio Lower Upper
 88 100
 43 22.9 26.2 39.2#
 58 55.9 65.6 98.4#

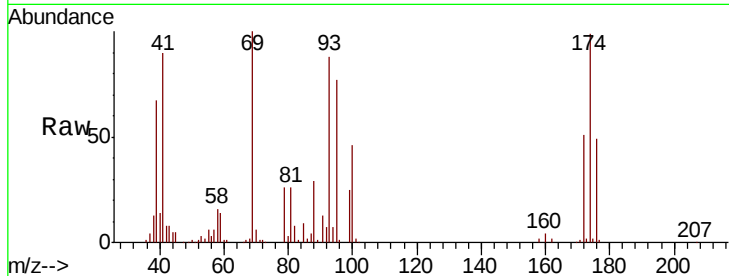




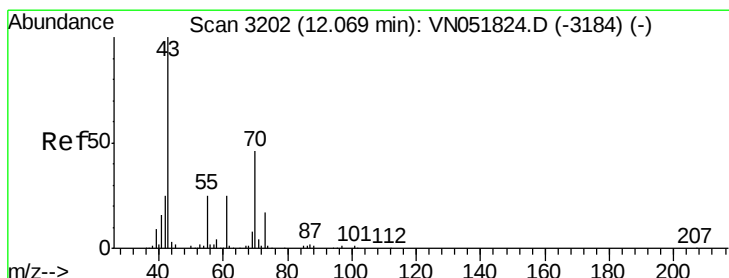
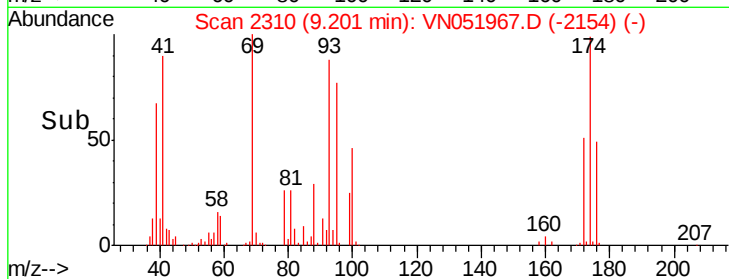
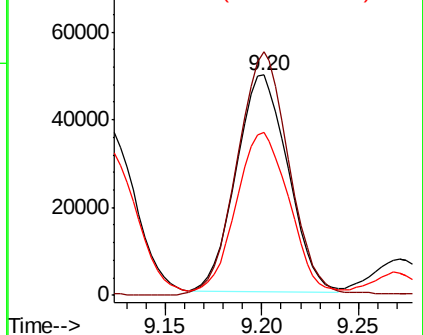
#46
Methyl methacrylate
Concen: 18.391 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN051967.D
Acq: 23 Oct 2018 16:40

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 41 Resp: 91995
Ion Ratio Lower Upper
41 100
69 111.7 40.7 122.1
39 73.4 27.3 81.9

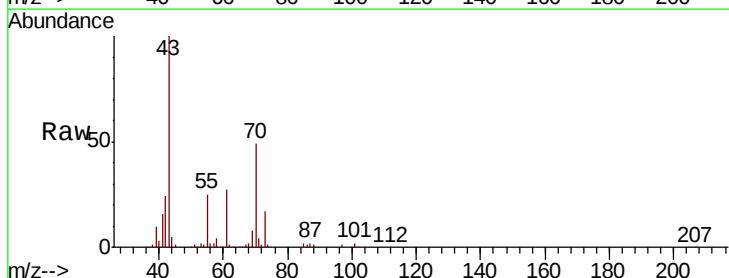


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

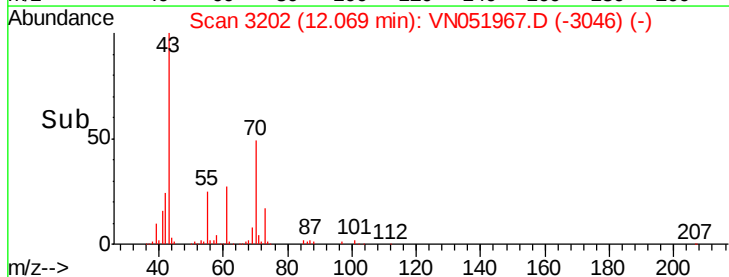
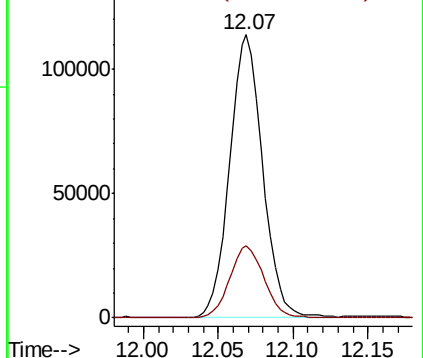


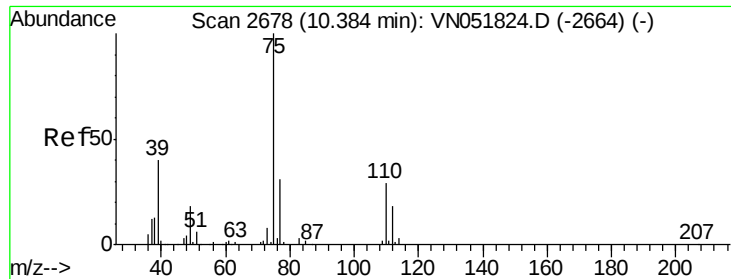
#47
n-ethyl acetate
Concen: 19.091 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN051967.D
Acq: 23 Oct 2018 16:40

Tgt Ion: 43 Resp: 173321
Ion Ratio Lower Upper
43 100
55 26.8 12.2 18.4#



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





#48

t-1,3-Dichloropropene

Concen: 17.991 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN051967.D

Acq: 23 Oct 2018 16:40

Instrument :

MSVOA_N

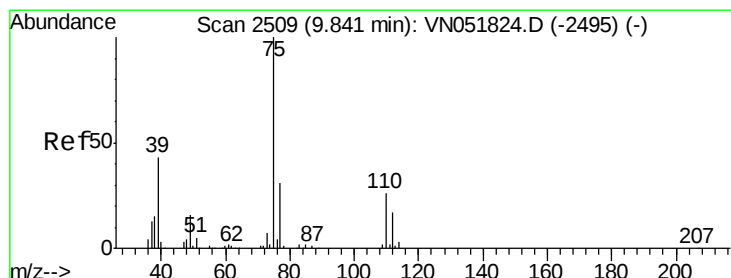
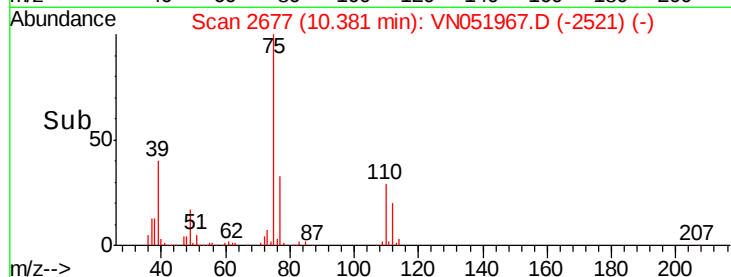
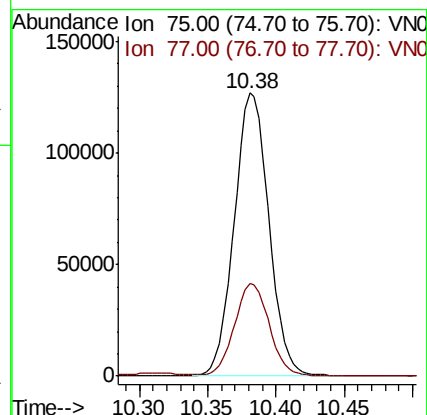
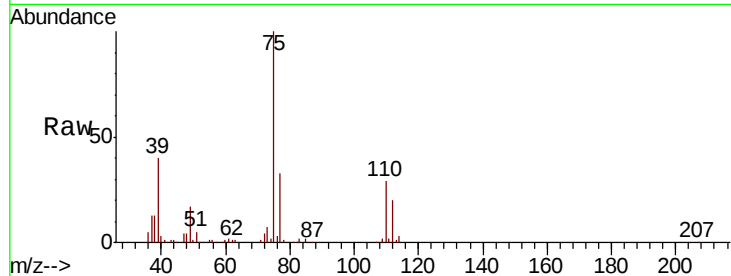
ClientSampled :

Tot Ion: 75 Resp: 224146

Ion Ratio Lower Upper

75 100

77 32.5 24.6 37.0



#49

cis-1,3-Dichloropropene

Concen: 19.087 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN051967.D

Acq: 23 Oct 2018 16:40

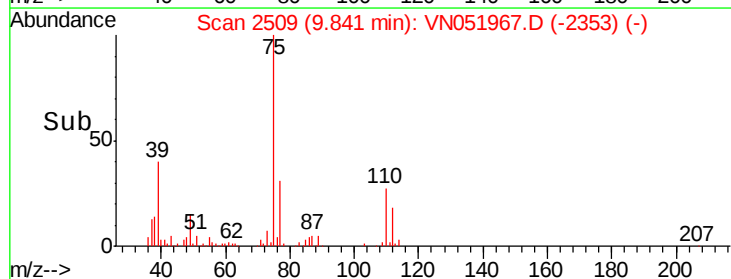
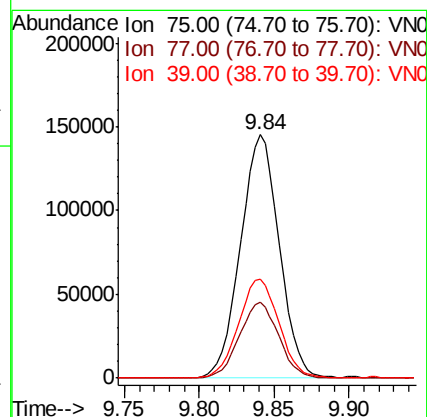
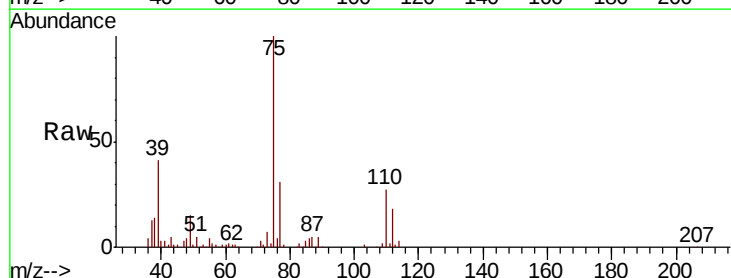
Tgt Ion: 75 Resp: 262148

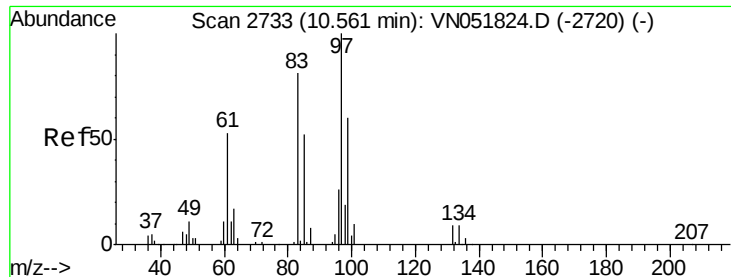
Ion Ratio Lower Upper

75 100

77 31.2 23.2 34.8

39 40.4 34.6 52.0

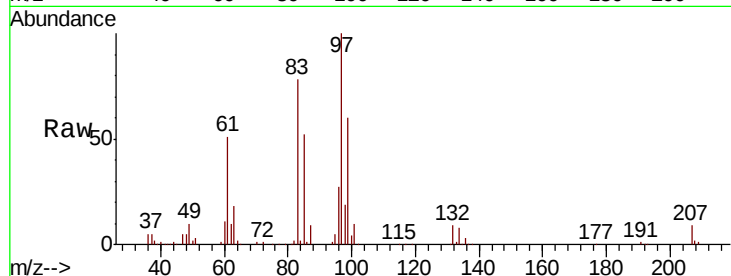




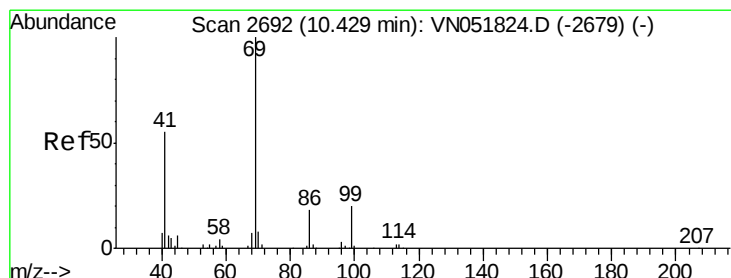
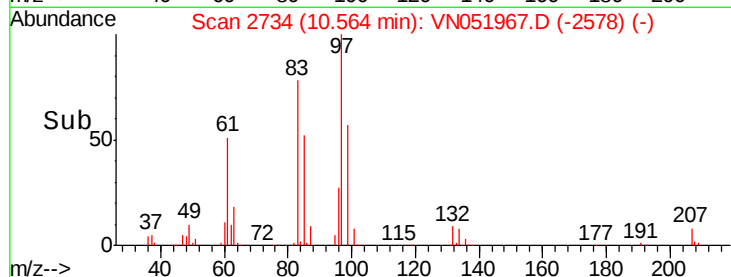
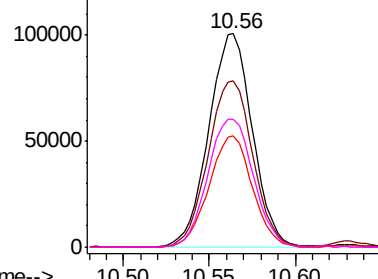
#50
 1,1,2-Trichloroethane
 Concen: 20.684 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051967.D
 Acq: 23 Oct 2018 16:40

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:	97	Resp:	176770
Ion	Ratio	Lower	Upper
97	100		
83	77.3	68.2	102.4
85	52.1	42.5	63.7
99	59.8	44.3	66.5

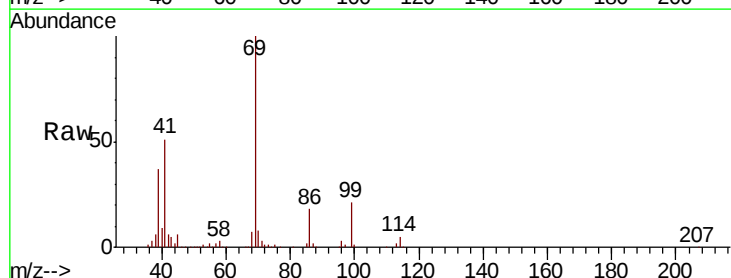


Abundance Ion 97.00 (96.70 to 97.70): VN0
 Ion 82.95 (82.65 to 83.65): VN0
 Ion 84.95 (84.65 to 85.65): VN0
 Ion 98.95 (98.65 to 99.65): VN0

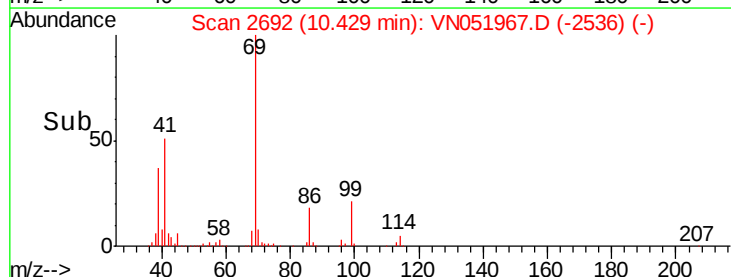
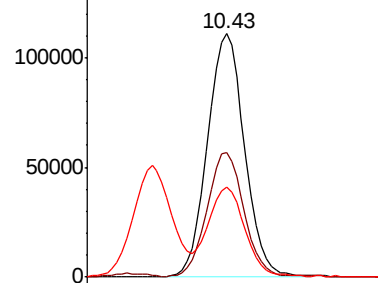


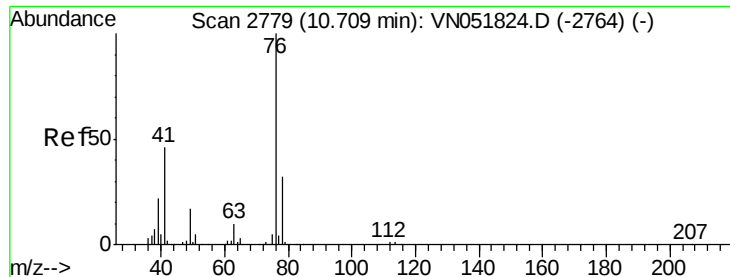
#51
 Ethyl methacrylate
 Concen: 18.862 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN051967.D
 Acq: 23 Oct 2018 16:40

Tgt Ion:	69	Resp:	184549
Ion	Ratio	Lower	Upper
69	100		
41	50.9	34.4	103.1
39	36.4	16.3	48.8



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





#52

1,3-Dichloropropane

Concen: 20.178 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN051967.D

Acq: 23 Oct 2018 16:40

Instrument :

MSVOA_N

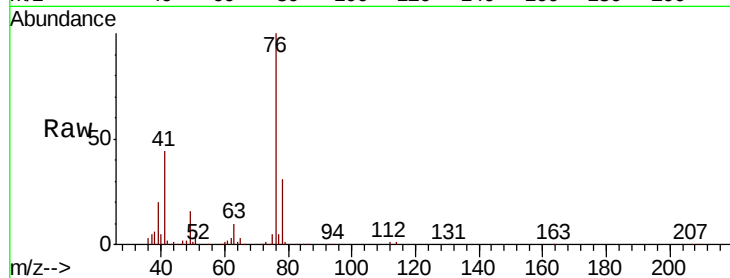
ClientSampleId :

Tot Ion: 76 Resp: 266137

Ion Ratio Lower Upper

76 100

78 31.9 0.0 67.6



Abundance Ion 76.00 (75.70 to 76.70): VN051824.D (-2764) (-)

Ion 78.00 (77.70 to 78.70): VN051824.D (-2764) (-)

10.71

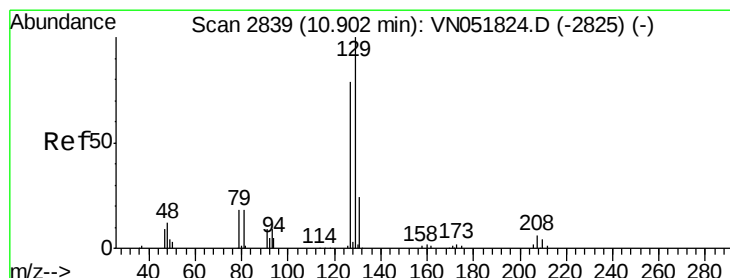
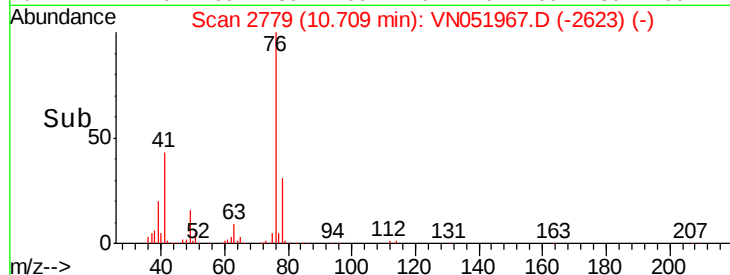
150000

100000

50000

0

Time-->



#53

Dibromochloromethane

Concen: 18.474 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN051967.D

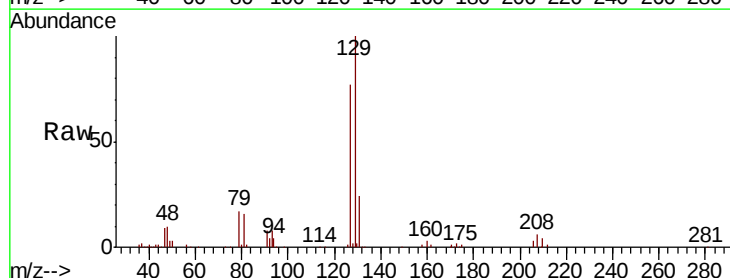
Acq: 23 Oct 2018 16:40

Tgt Ion: 129 Resp: 195308

Ion Ratio Lower Upper

129 100

127 75.9 40.2 120.5



Abundance Ion 129.00 (128.70 to 129.70): VN051824.D (-2825) (-)

Ion 127.00 (126.70 to 127.70): VN051824.D (-2825) (-)

10.90

120000

100000

80000

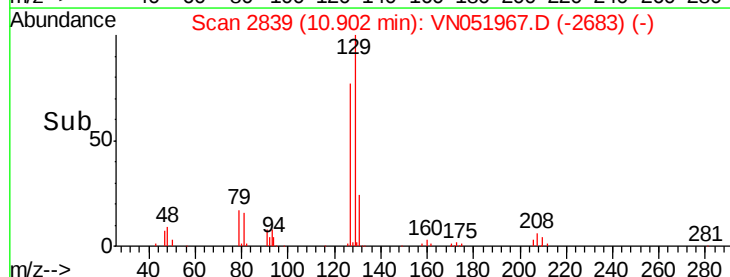
60000

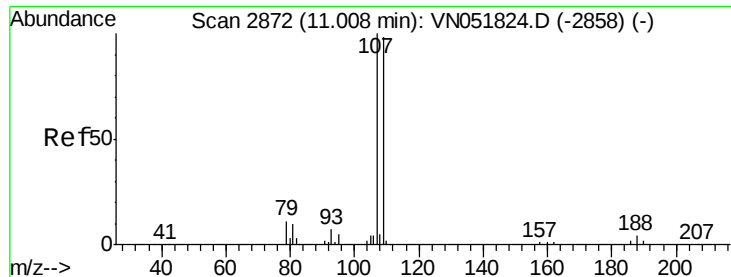
40000

20000

0

Time-->

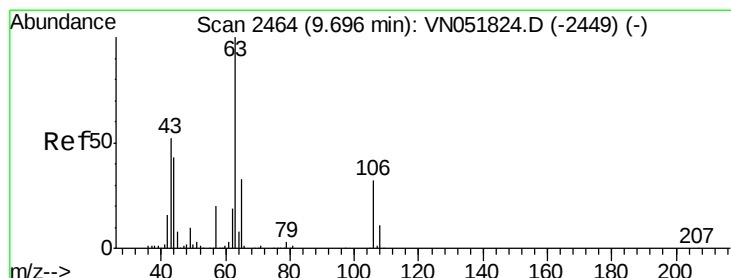
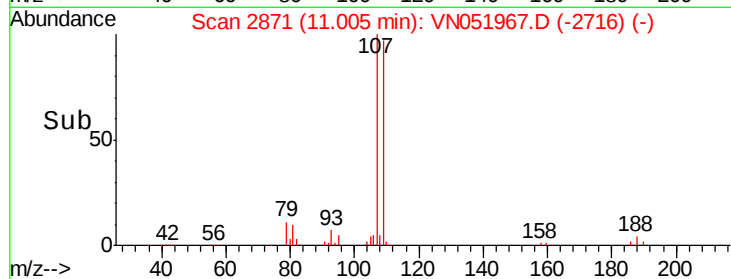
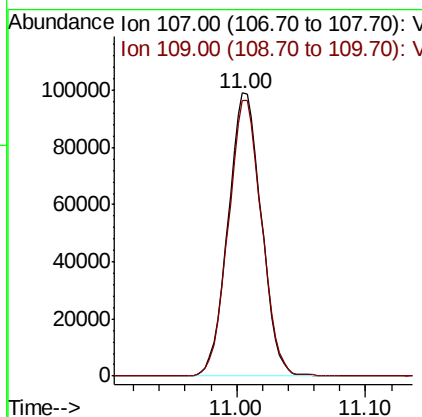
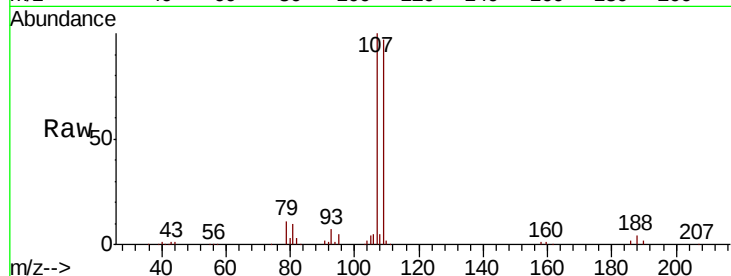




#54
 1,2-Dibromoethane
 Concen: 19.770 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN051967.D
 Acq: 23 Oct 2018 16:40

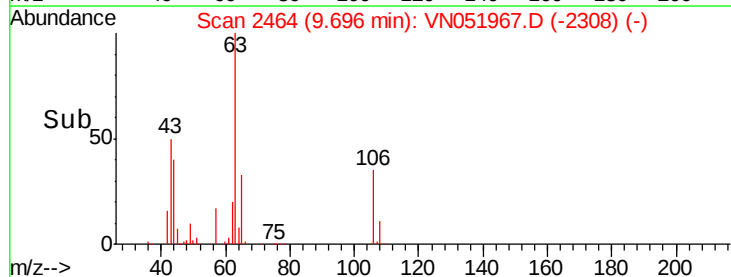
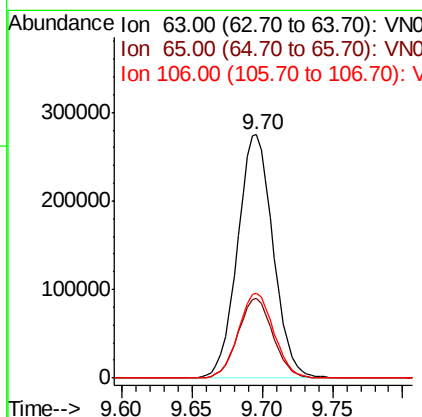
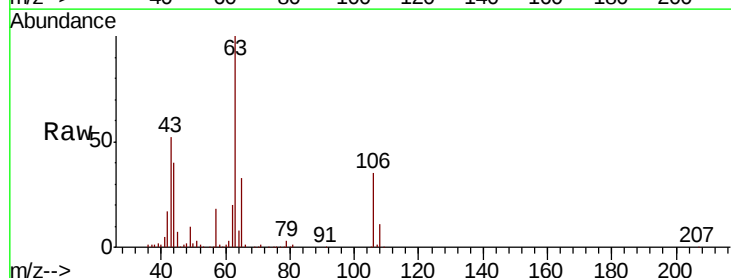
Instrument :
 MSVOA_N
 ClientSampled :

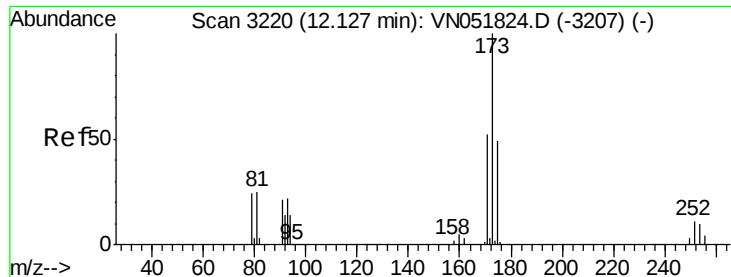
Tot Ion:107 Resp: 177346
 Ion Ratio Lower Upper
 107 100
 109 97.5 77.4 116.0



#55
 2-Chloroethyl vinyl ether
 Concen: 115.921 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN051967.D
 Acq: 23 Oct 2018 16:40

Tgt Ion: 63 Resp: 484852
 Ion Ratio Lower Upper
 63 100
 65 32.7 25.4 38.0
 106 35.1 21.2 31.8#

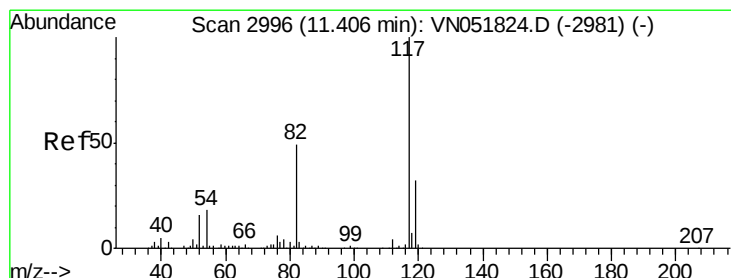
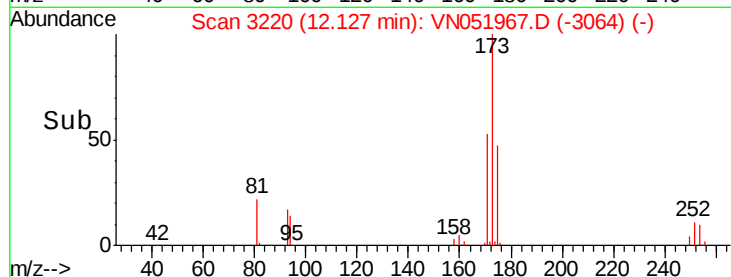
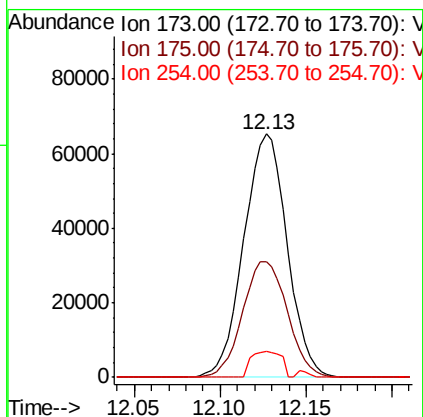
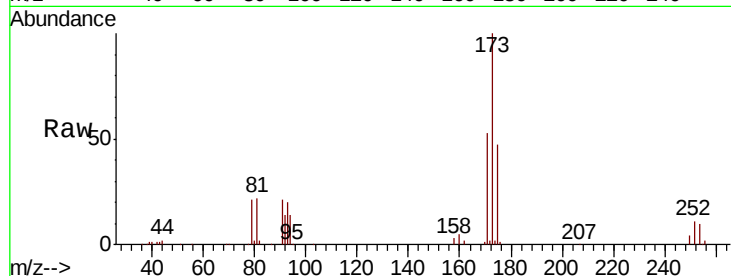




#56
Bromoform
Concen: 16.410 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN051967.D
Acq: 23 Oct 2018 16:40

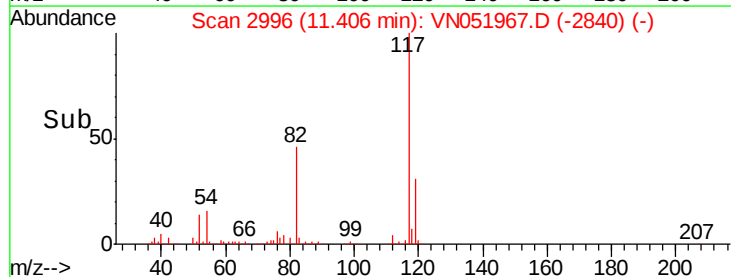
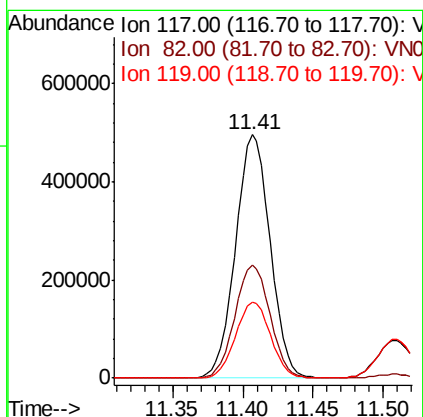
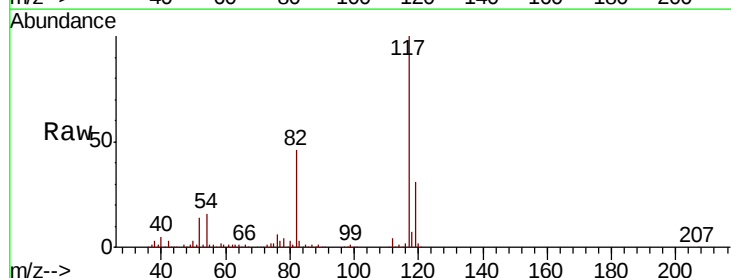
Instrument :
MSVOA_N
ClientSampleId :

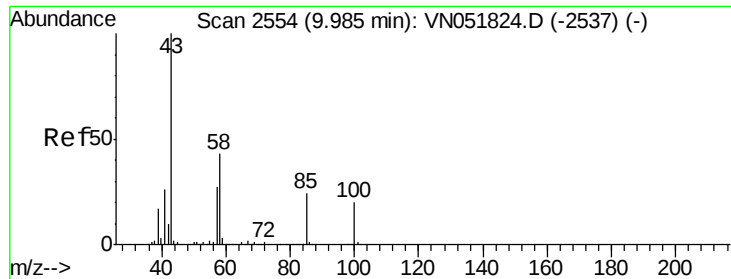
Tot Ion:173 Resp: 114418
Ion Ratio Lower Upper
173 100
175 49.2 35.8 53.8
254 7.4 8.6 13.0#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051967.D
Acq: 23 Oct 2018 16:40

Tgt Ion:117 Resp: 853927
Ion Ratio Lower Upper
117 100
82 47.1 44.1 66.1
119 31.6 25.8 38.8

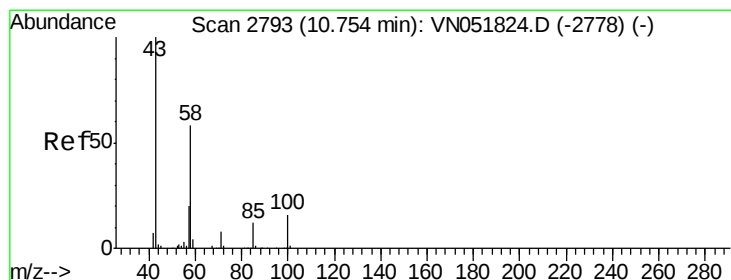
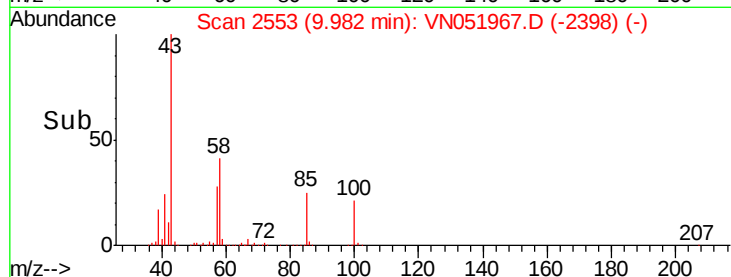
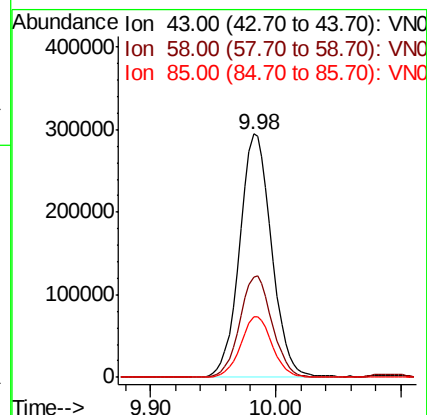
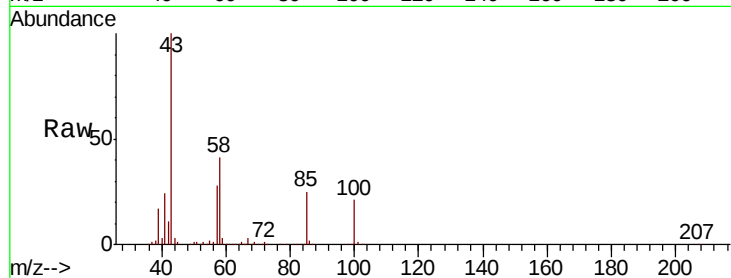




#58
4-Methyl-2-Pentanone
Concen: 91.222 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN051967.D
Acq: 23 Oct 2018 16:40

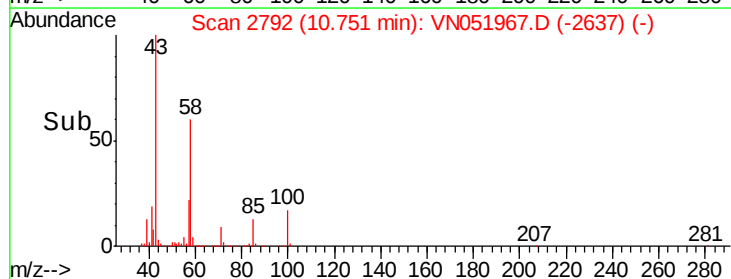
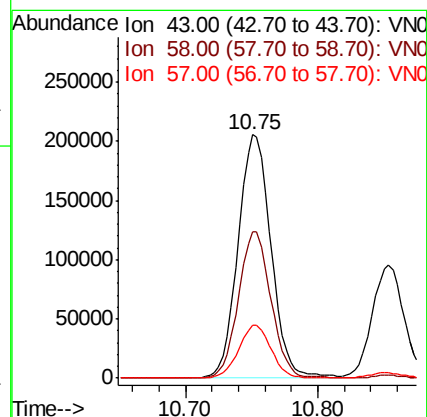
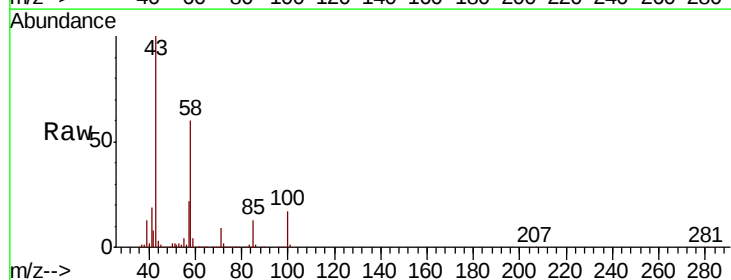
Instrument :
MSVOA_N
ClientSampleId :

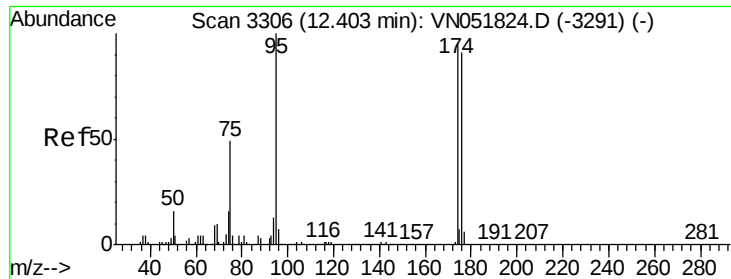
Tot Ion	Ratio	Lower	Upper
43	100		
58	42.2	29.3	43.9
85	24.8	12.6	18.8



#59
2-Hexanone
Concen: 91.647 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN051967.D
Acq: 23 Oct 2018 16:40

Tgt Ion	Ratio	Lower	Upper
43	100		
58	59.9	41.3	61.9
57	21.5	13.4	20.0

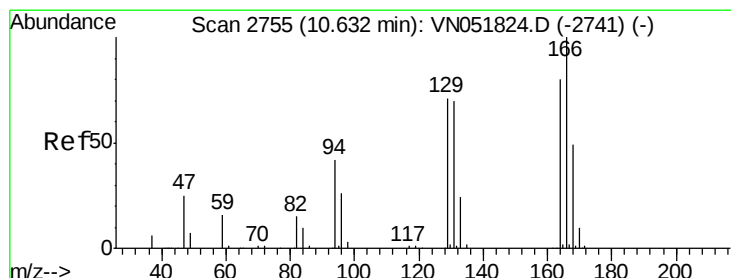
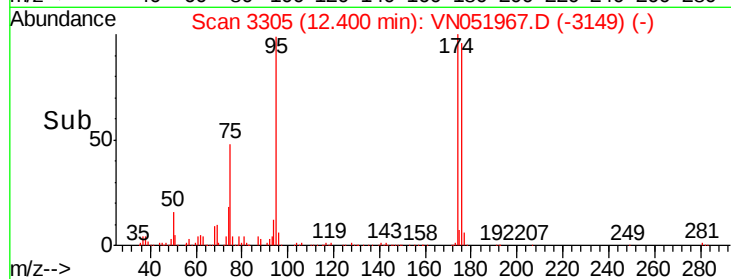
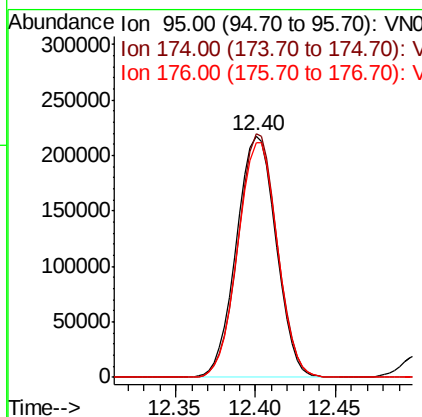
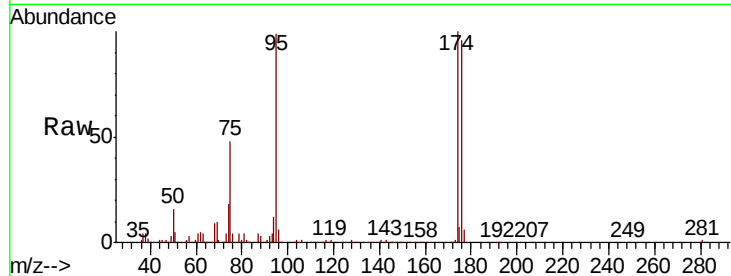




#60
4-Bromofluorobenzene
Concen: 91.647 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN051967.D
Acq: 23 Oct 2018 16:40

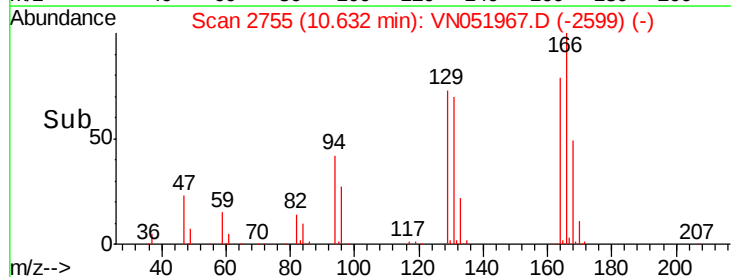
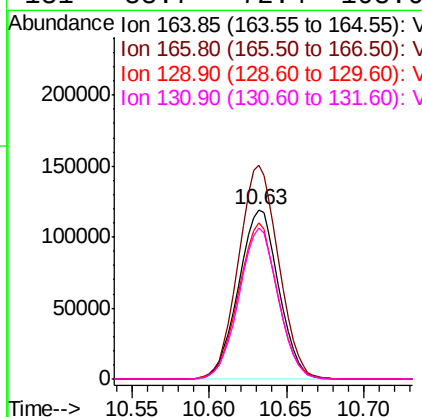
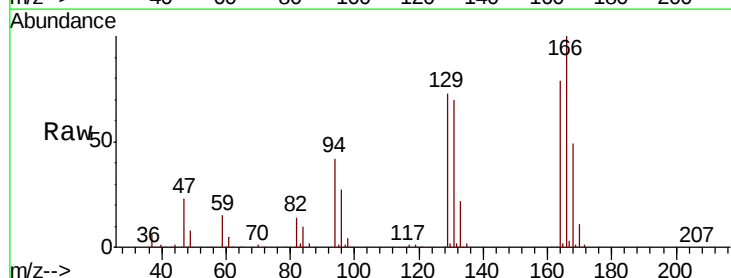
Instrument :
MSVOA_N
ClientSampled :

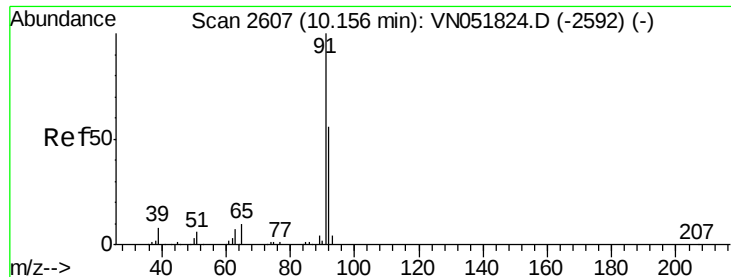
Tot Ion: 95 Resp: 367520
Ion Ratio Lower Upper
95 100
174 98.9 73.5 110.3
176 97.0 70.2 105.2



#61
Tetrachloroethene
Concen: 19.662 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051967.D
Acq: 23 Oct 2018 16:40

Tgt Ion: 164 Resp: 214717
Ion Ratio Lower Upper
164 100
166 126.2 98.7 148.1
129 92.1 69.6 104.4
131 88.7 72.4 108.6





#62

Toluene

Concen: 20.118 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051967.D

Acq: 23 Oct 2018 16:40

Instrument :

MSVOA_N

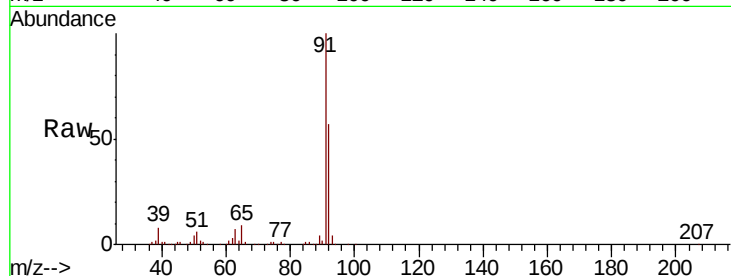
ClientSampleId :

Tot Ion: 91 Resp: 853426

Ion Ratio Lower Upper

91 100

92 56.8 44.6 66.8



Abundance Ion 91.00 (90.70 to 91.70): VN051824.D (-2592) (-)

Ion 92.00 (91.70 to 92.70): VN051824.D (-2592) (-)

10.16

500000

400000

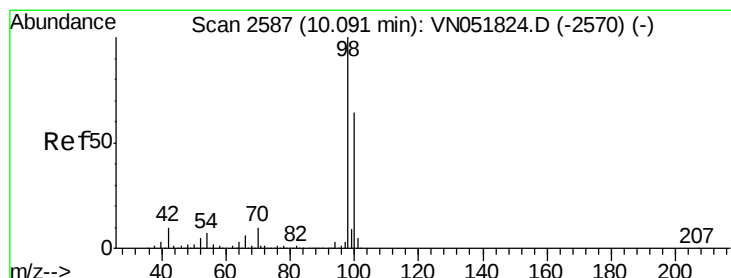
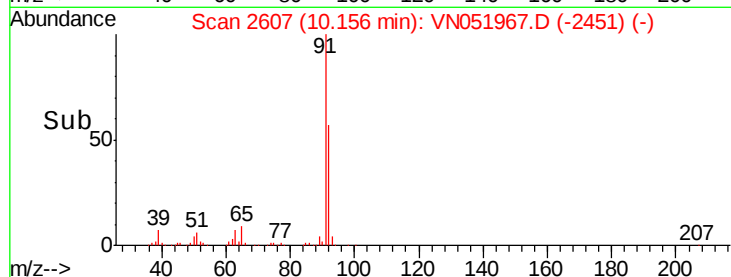
300000

200000

100000

0

Time-->



#63

Toluene-d8

Concen: 20.118 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051967.D

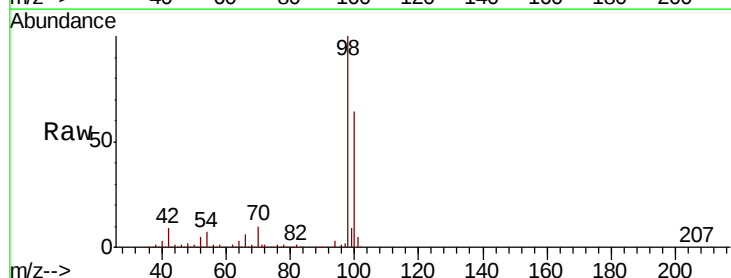
Acq: 23 Oct 2018 16:40

Tgt Ion: 98 Resp: 1094648

Ion Ratio Lower Upper

98 100

100 63.2 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VN051824.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN051824.D (-2570) (-)

10.09

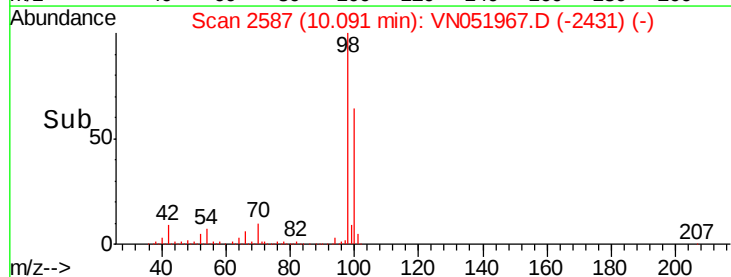
600000

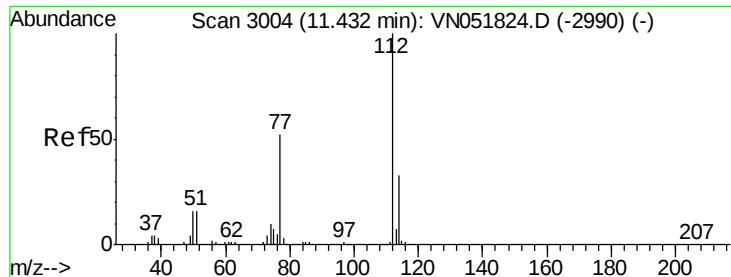
400000

200000

0

Time-->





#64

Chlorobenzene

Concen: 20.676 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN051967.D

Acq: 23 Oct 2018 16:40

Instrument :

MSVOA_N

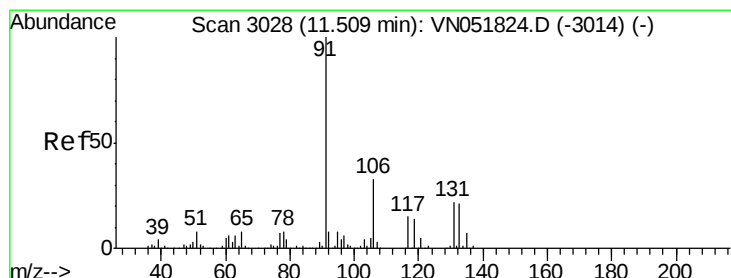
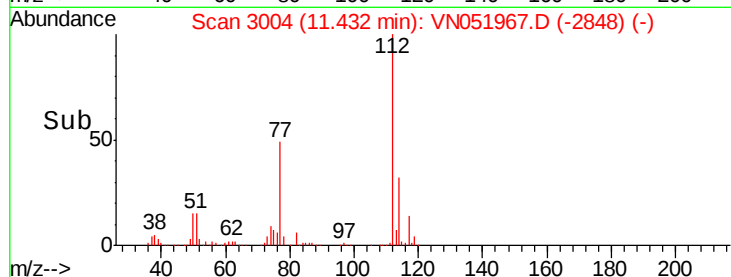
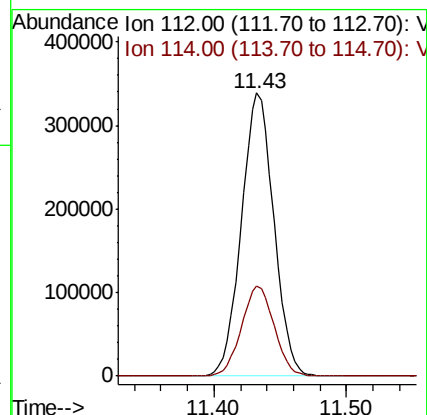
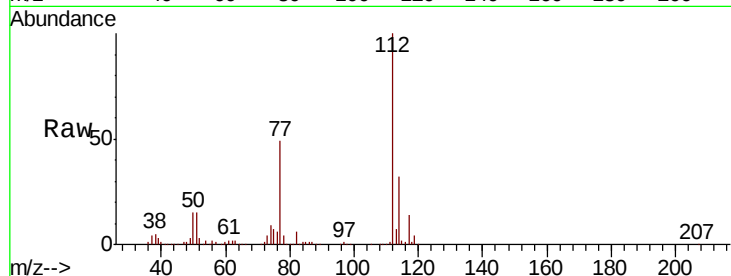
ClientSampleId :

Tot Ion:112 Resp: 574443

Ion Ratio Lower Upper

112 100

114 31.7 27.5 41.3



#65

1,1,1,2-Tetrachloroethane

Concen: 19.253 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051967.D

Acq: 23 Oct 2018 16:40

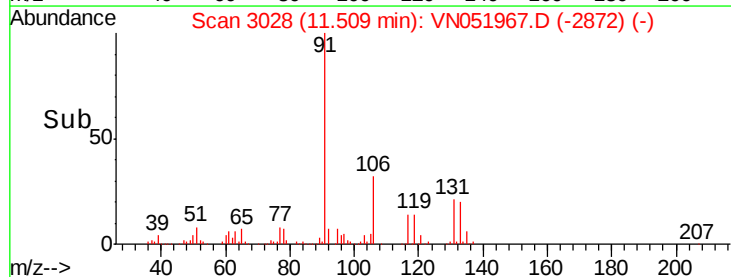
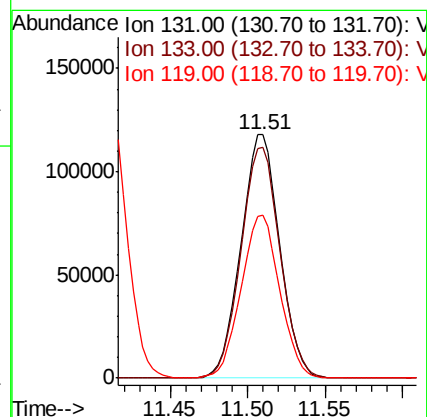
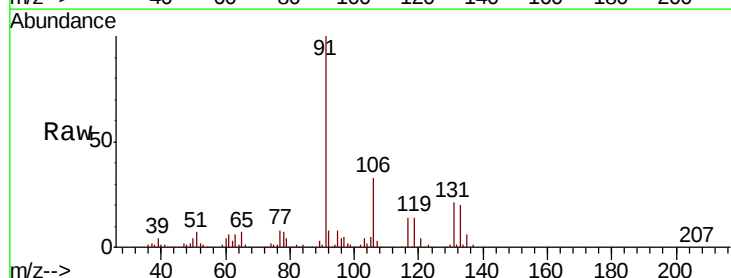
Tgt Ion:131 Resp: 205308

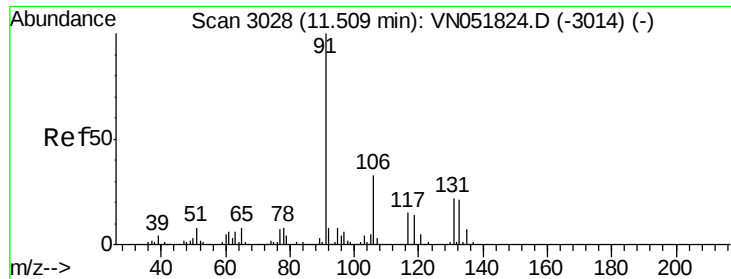
Ion Ratio Lower Upper

131 100

133 95.8 0.0 190.4

119 67.0 0.0 128.0

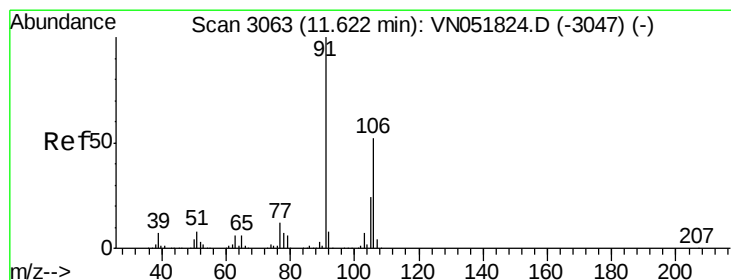
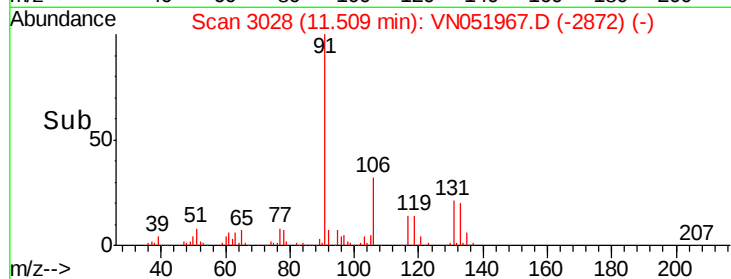
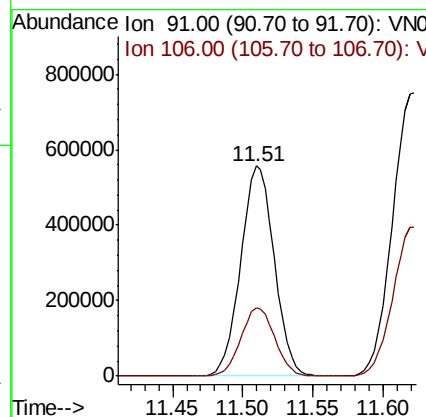
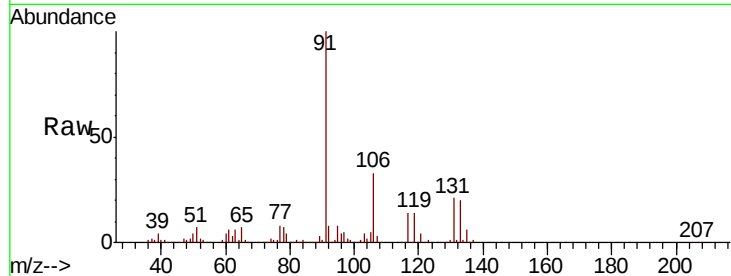




#66
Ethyl Benzene
Concen: 19.822 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051967.D
Acq: 23 Oct 2018 16:40

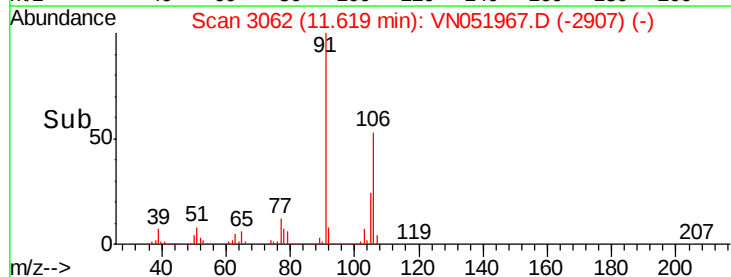
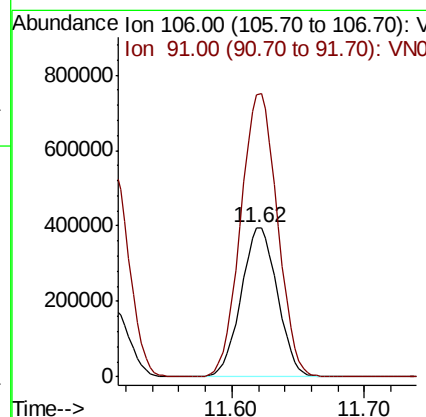
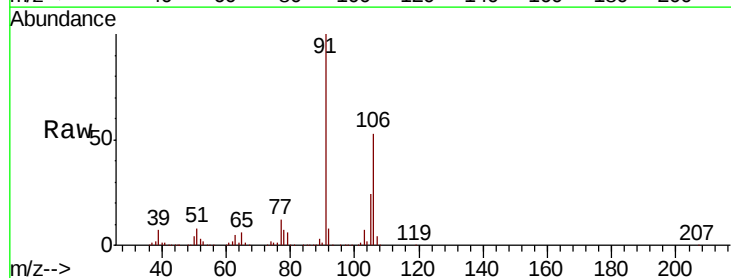
Instrument :
MSVOA_N
ClientSampled :

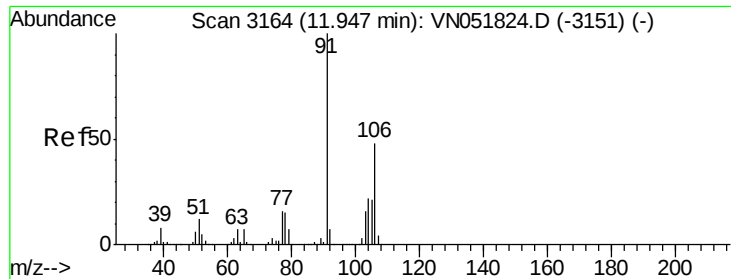
Tot Ion: 91 Resp: 929362
Ion Ratio Lower Upper
91 100
106 32.6 25.9 38.9



#67
m/p-Xylenes
Concen: 39.583 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN051967.D
Acq: 23 Oct 2018 16:40

Tgt Ion: 106 Resp: 752396
Ion Ratio Lower Upper
106 100
91 191.6 158.8 238.2

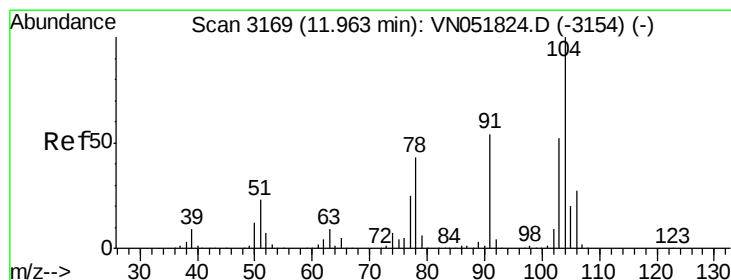
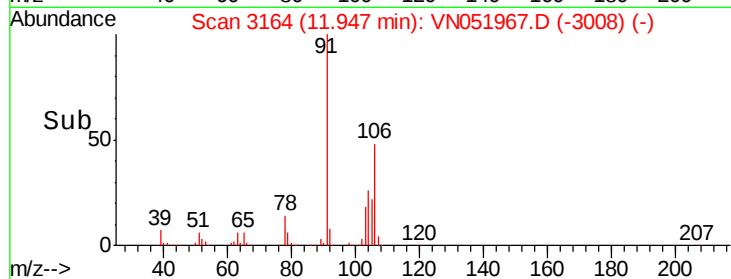
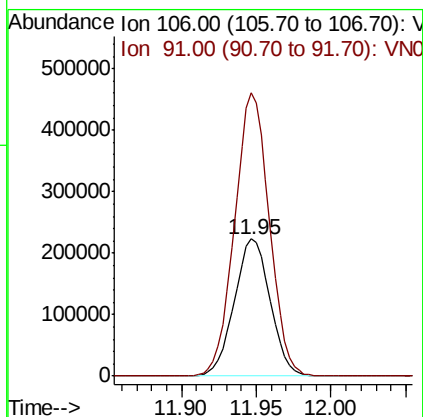
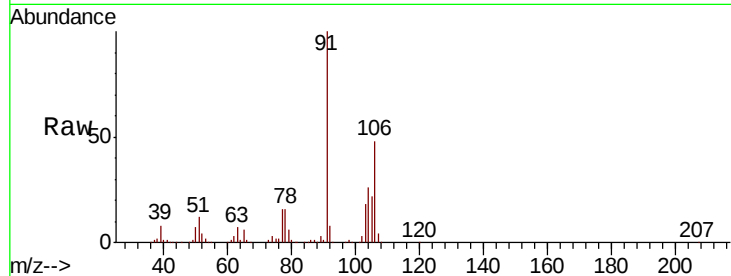




#68
o-Xylene
Concen: 19.844 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051967.D
Acq: 23 Oct 2018 16:40

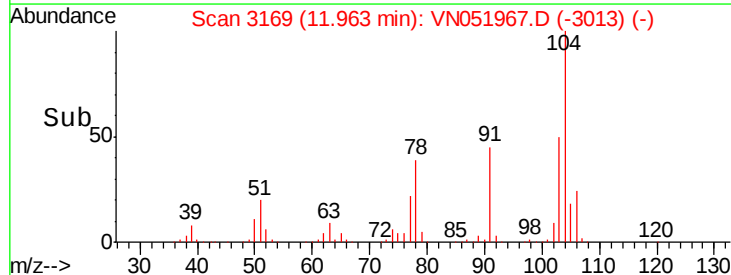
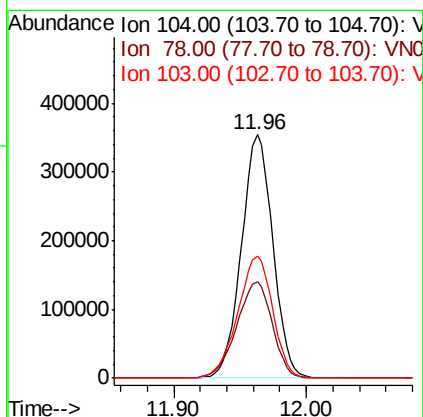
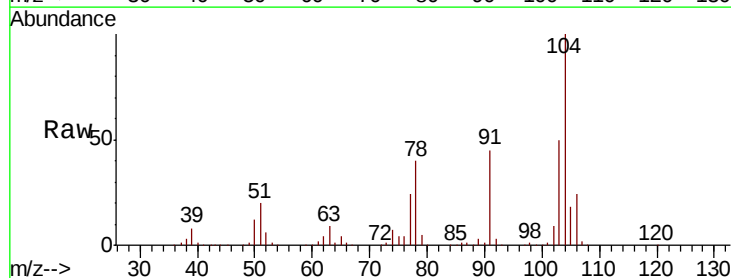
Instrument :
MSVOA_N
ClientSampled :

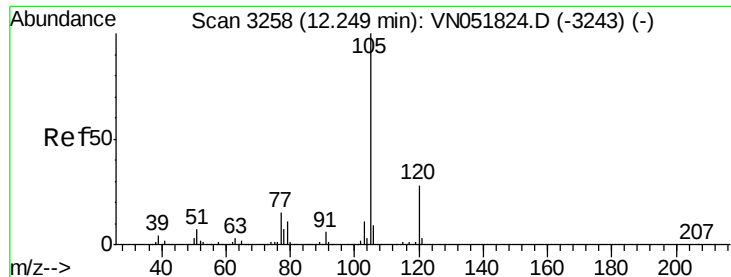
Tot Ion:106 Resp: 371843
Ion Ratio Lower Upper
106 100
91 200.1 111.1 333.3



#69
Styrene
Concen: 20.366 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051967.D
Acq: 23 Oct 2018 16:40

Tgt Ion:104 Resp: 585542
Ion Ratio Lower Upper
104 100
78 44.5 40.6 60.8
103 55.6 44.0 66.0





#70

Isopropylbenzene

Concen: 19.783 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN051967.D

Acq: 23 Oct 2018 16:40

Instrument :

MSVOA_N

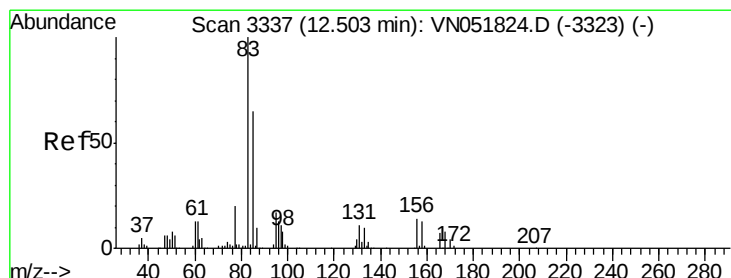
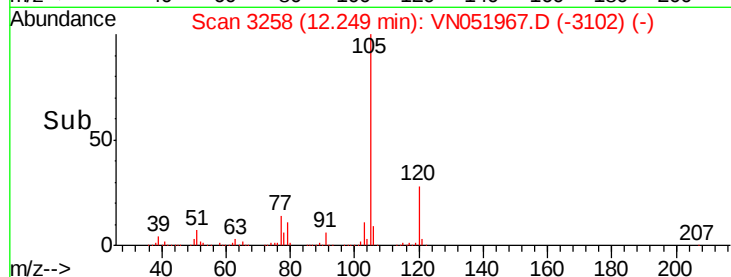
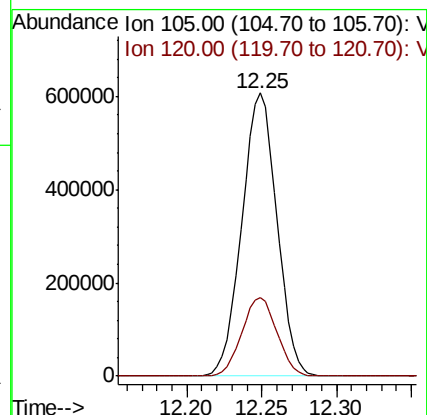
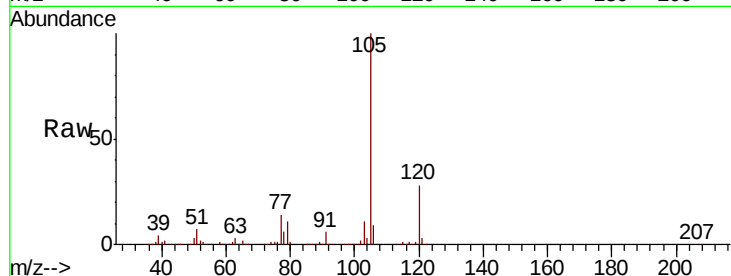
ClientSampleId :

Tot Ion:105 Resp: 988553

Ion Ratio Lower Upper

105 100

120 27.8 19.0 35.4



#71

1,1,2,2-Tetrachloroethane

Concen: 19.958 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051967.D

Acq: 23 Oct 2018 16:40

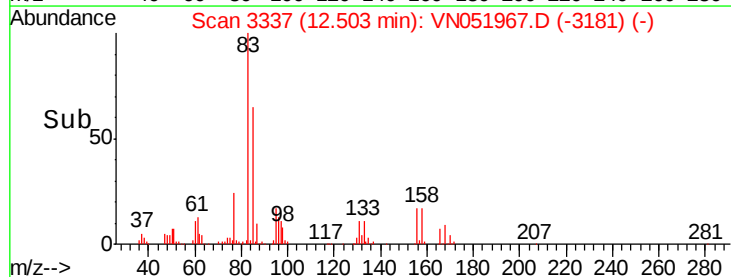
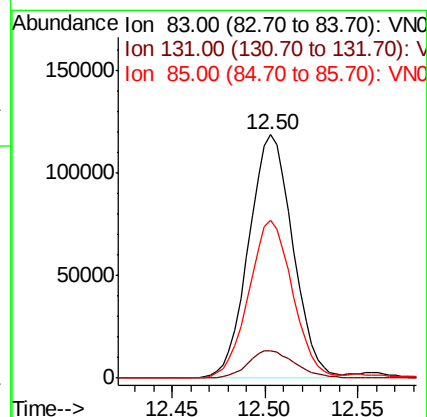
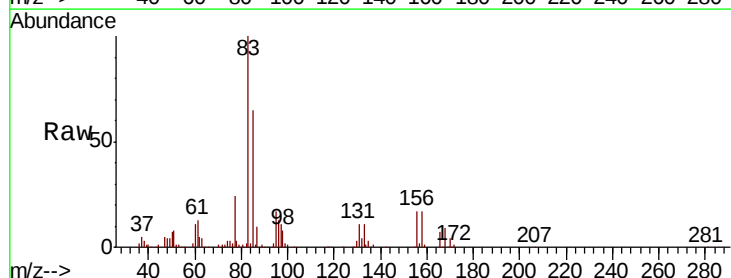
Tgt Ion: 83 Resp: 196953

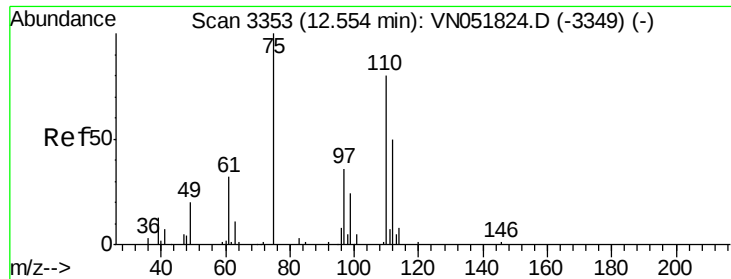
Ion Ratio Lower Upper

83 100

131 12.1 5.5 16.4

85 64.5 30.6 91.8





#72

1,2,3-Trichloropropane

Concen: 30.245 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN051967.D

Acq: 23 Oct 2018 16:40

Instrument :

MSVOA_N

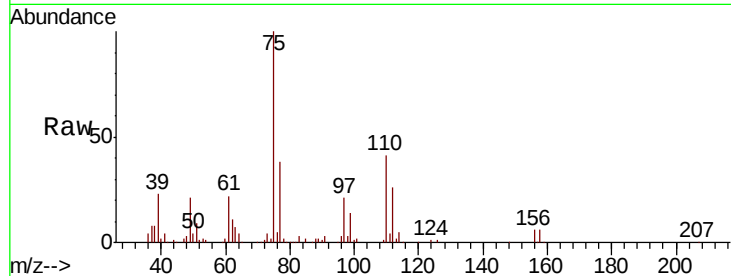
ClientSampleId :

Tot Ion: 75 Resp: 234799

Ion Ratio Lower Upper

75 100

77 162.5 0.0 400.0



Abundance Ion 75.00 (74.70 to 75.70): VN051824.D (-3349) (-)

Ion 77.00 (76.70 to 77.70): VN051824.D (-3349) (-)

200000

150000

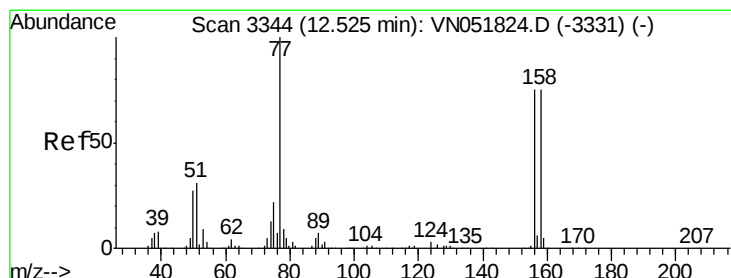
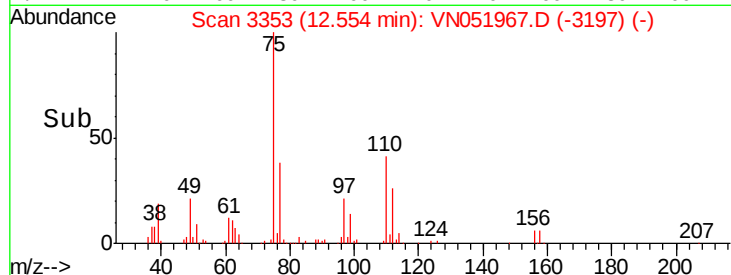
100000

50000

0

12.50 12.55 12.60

Time-->



#73

Bromobenzene

Concen: 21.233 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051967.D

Acq: 23 Oct 2018 16:40

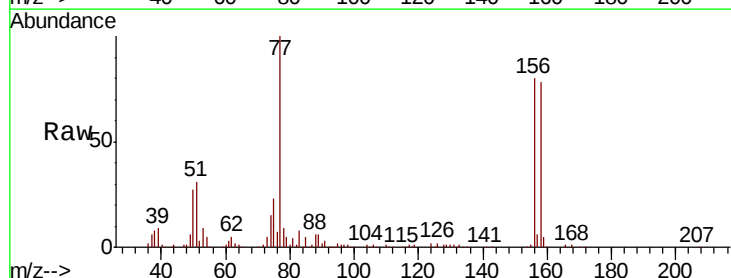
Tgt Ion: 156 Resp: 262802

Ion Ratio Lower Upper

156 100

77 145.2 0.0 377.4

158 96.8 0.0 203.0



Abundance Ion 156.00 (155.70 to 156.70): VN051824.D (-3331) (-)

Ion 77.00 (76.70 to 77.70): VN051824.D (-3331) (-)

Ion 158.00 (157.70 to 158.70): VN051824.D (-3331) (-)

250000

200000

150000

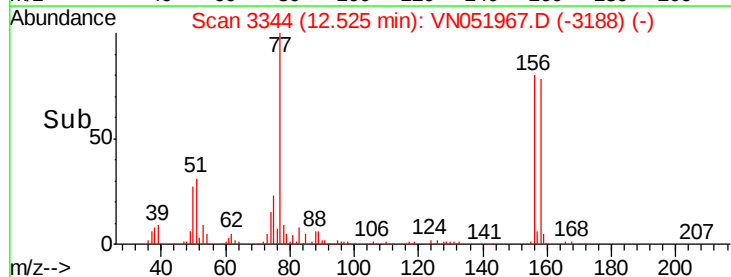
100000

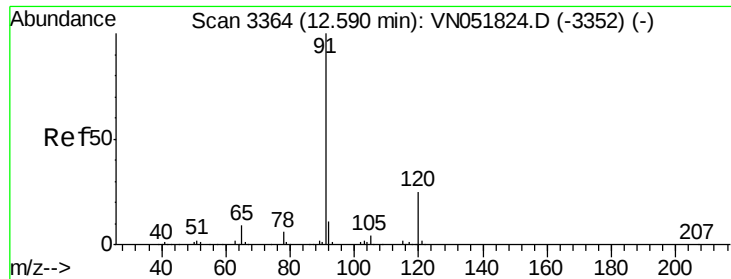
50000

0

12.45 12.50 12.55 12.60

Time-->





#74

n-propylbenzene

Concen: 19.653 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN051967.D

Acq: 23 Oct 2018 16:40

Instrument :

MSVOA_N

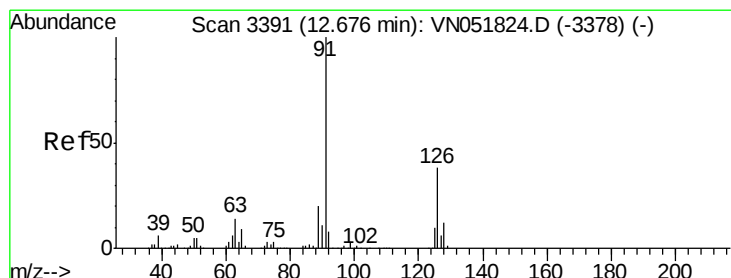
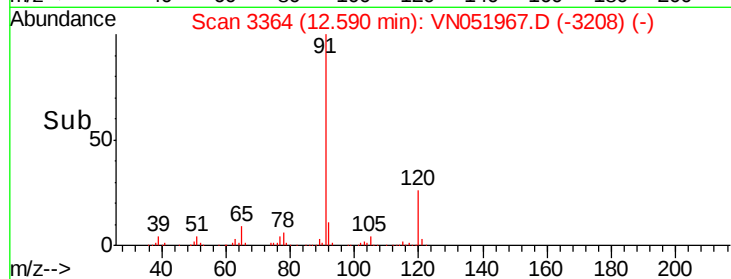
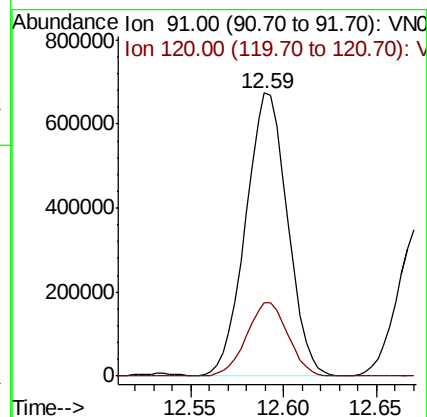
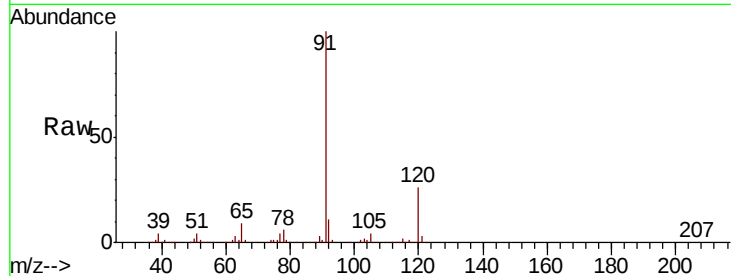
ClientSampleId :

Tot Ion: 91 Resp: 1056359

Ion Ratio Lower Upper

91 100

120 25.8 0.0 45.0



#75

2-Chlorotoluene

Concen: 19.734 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051967.D

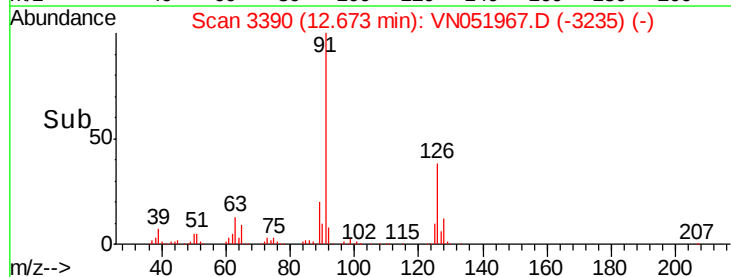
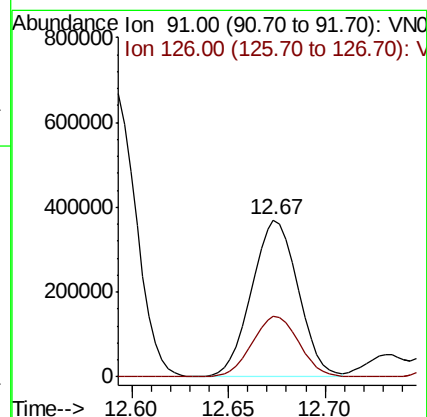
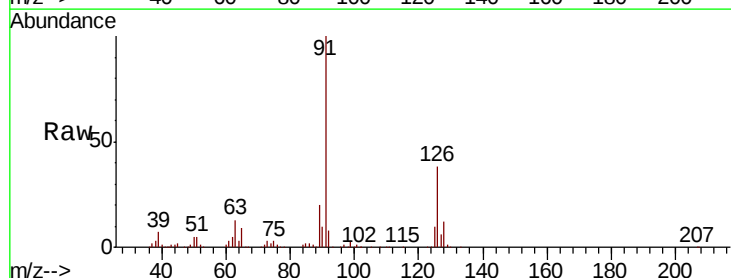
Acq: 23 Oct 2018 16:40

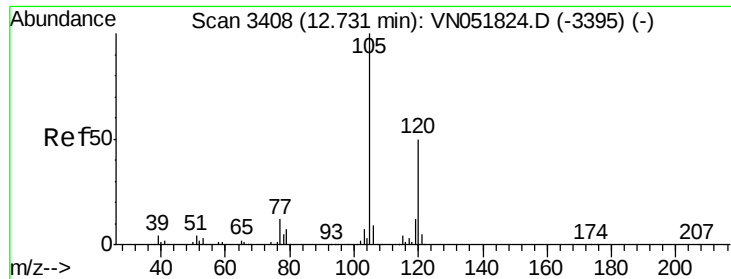
Tgt Ion: 91 Resp: 621864

Ion Ratio Lower Upper

91 100

126 38.7 0.0 67.6





#76

1,3,5-Trimethylbenzene

Concen: 19.434 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051967.D

Acq: 23 Oct 2018 16:40

Instrument :

MSVOA_N

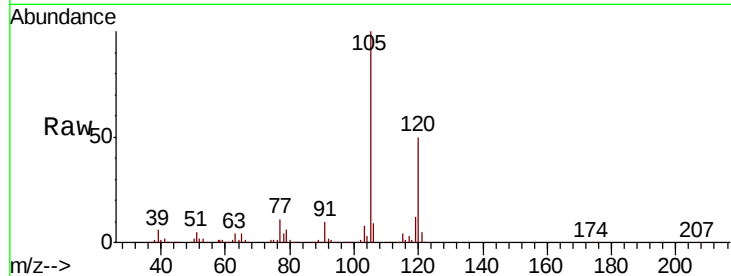
ClientSampled :

Tot Ion:105 Resp: 803034

Ion Ratio Lower Upper

105 100

120 50.3 0.0 98.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

500000

400000

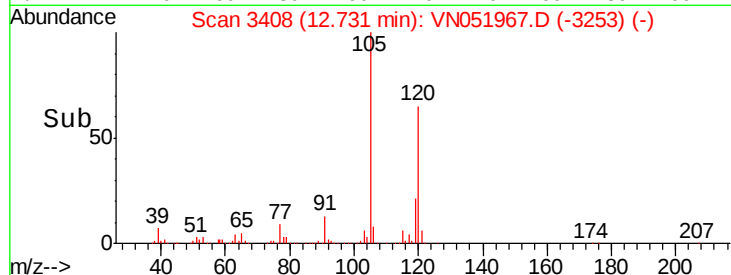
300000

200000

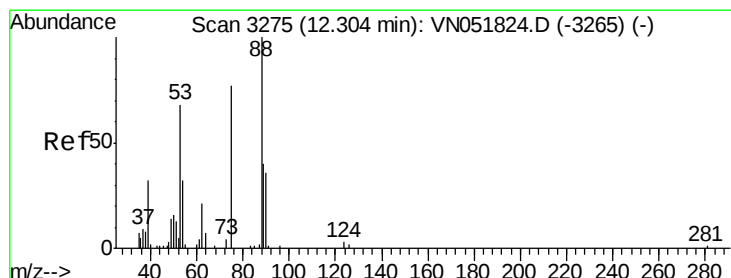
100000

0

Time-->



Time-->



#77

t-1,4-Dichloro-2-butene

Concen: 15.298 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN051967.D

Acq: 23 Oct 2018 16:40

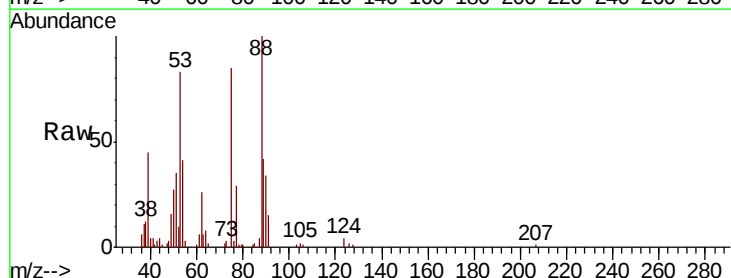
Tgt Ion: 75 Resp: 39278

Ion Ratio Lower Upper

75 100

53 98.0 46.3 138.9

89 50.5 24.6 73.8



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 53.00 (52.70 to 53.70): V

Ion 89.00 (88.70 to 89.70): V

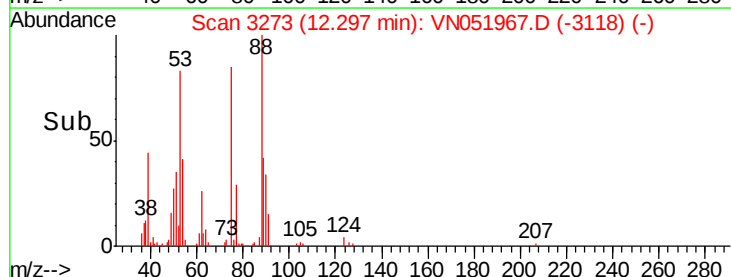
30000

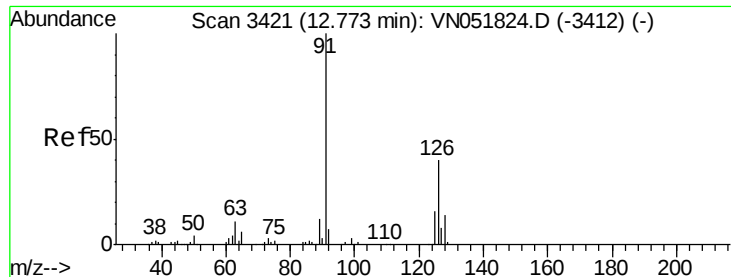
20000

10000

0

Time-->

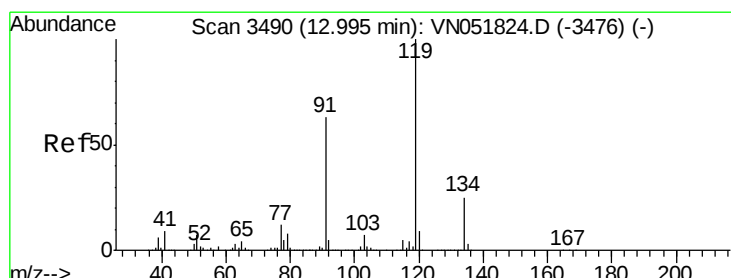
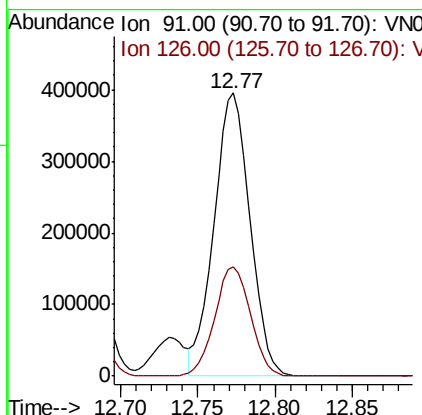
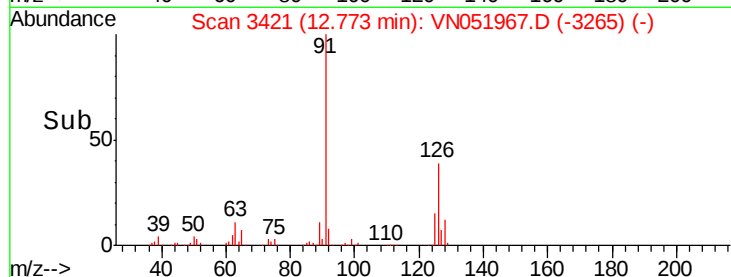
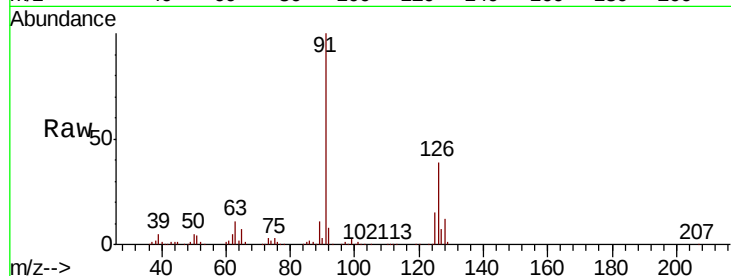




#78
4-Chlorotoluene
Concen: 20.653 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN051967.D
Acq: 23 Oct 2018 16:40

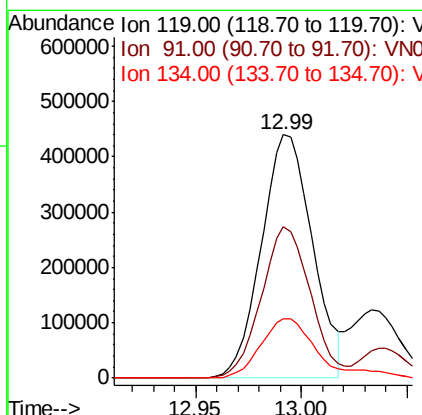
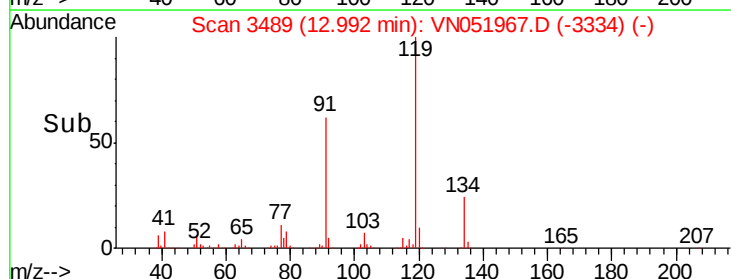
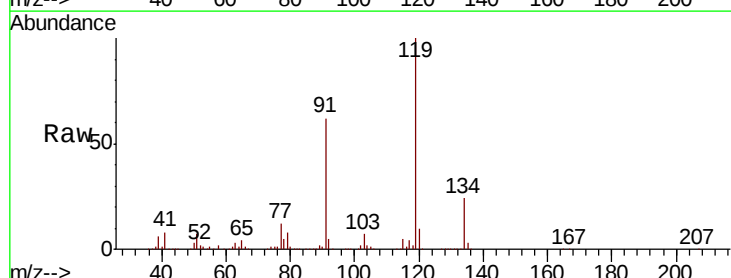
Instrument :
MSVOA_N
ClientSampled :

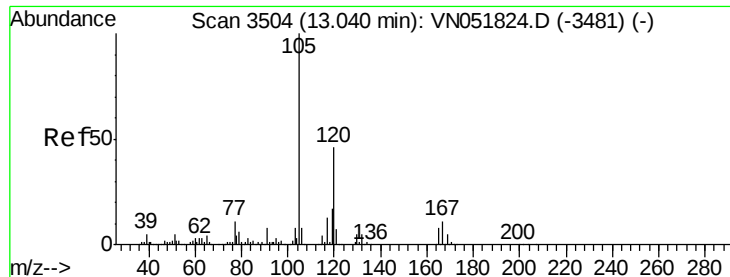
Tot Ion: 91 Resp: 639434
Ion Ratio Lower Upper
91 100
126 38.4 0.0 65.2



#79
tert-butylbenzene
Concen: 19.523 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN051967.D
Acq: 23 Oct 2018 16:40

Tgt Ion: 119 Resp: 741895
Ion Ratio Lower Upper
119 100
91 59.7 0.0 131.6
134 25.2 0.0 46.2

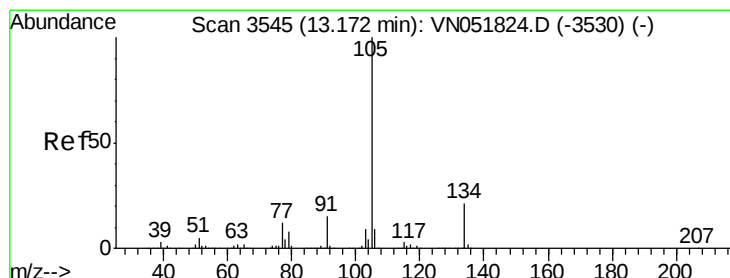
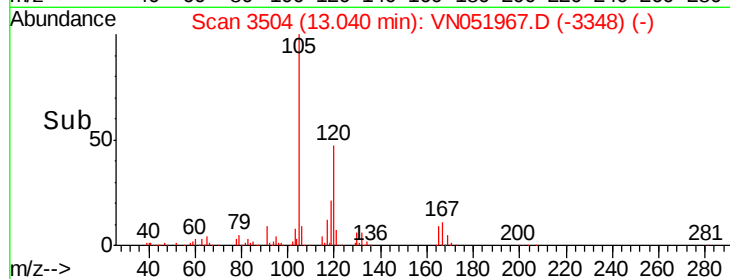
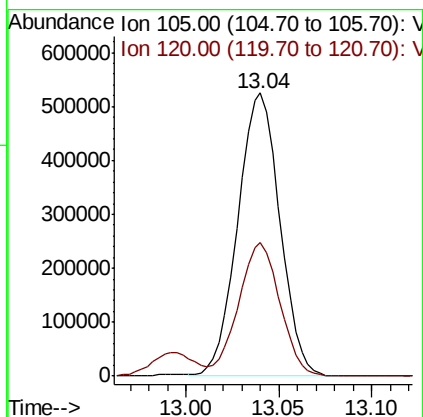
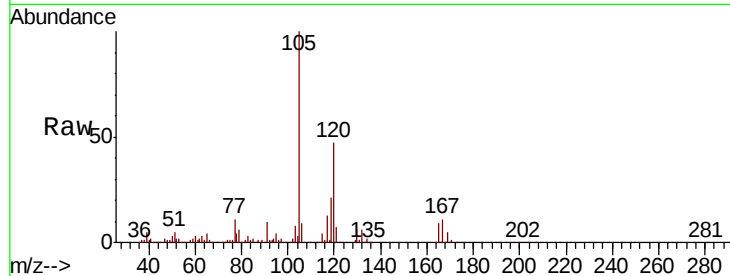




#80
 1,2,4-Trimethylbenzene
 Concen: 19.992 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN051967.D
 Acq: 23 Oct 2018 16:40

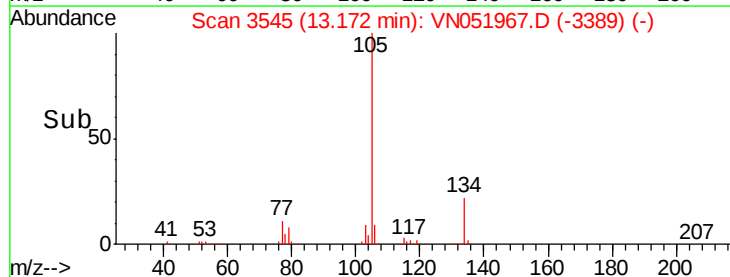
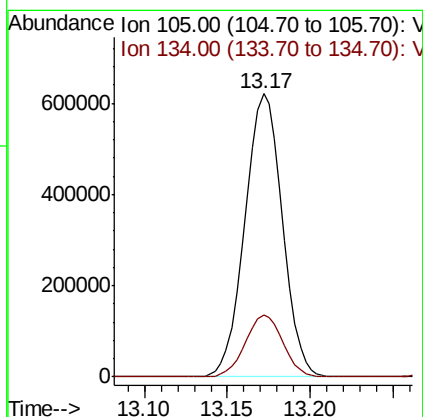
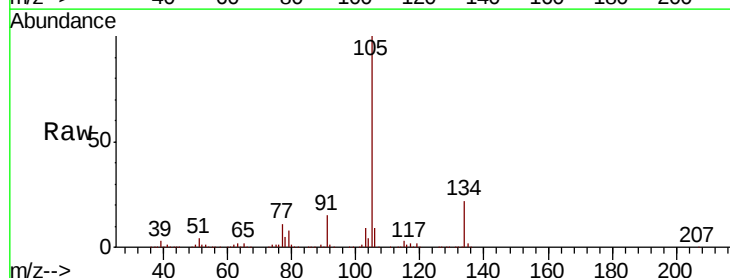
Instrument :
 MSVOA_N
 ClientSampled :

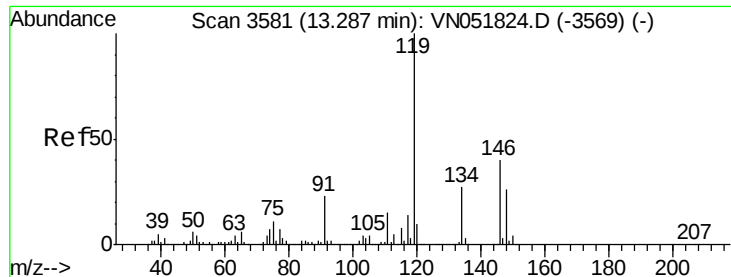
Tot Ion:105 Resp: 825626
 Ion Ratio Lower Upper
 105 100
 120 46.5 0.0 89.6



#81
 sec-Butylbenzene
 Concen: 19.643 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN051967.D
 Acq: 23 Oct 2018 16:40

Tgt Ion:105 Resp: 976491
 Ion Ratio Lower Upper
 105 100
 134 21.9 0.0 39.4

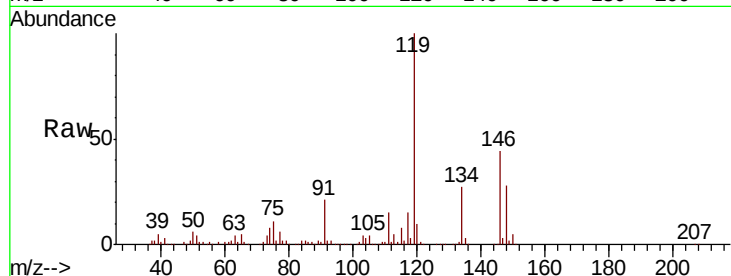




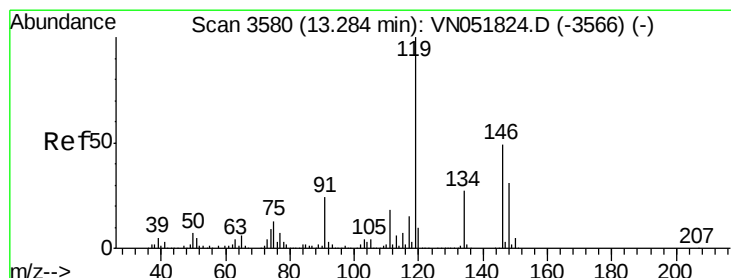
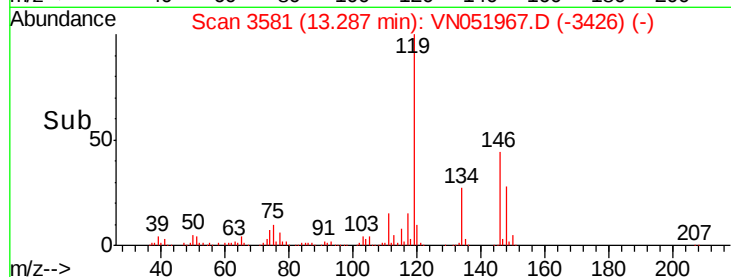
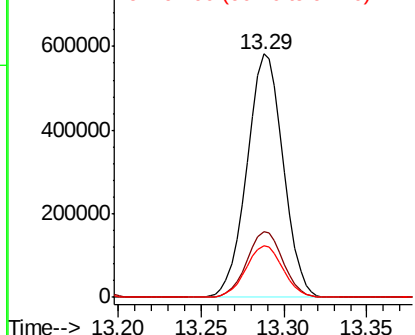
#82
p-Isopropyltoluene
Concen: 19.874 ug/l
RT: 13.29 min Scan# 3581
Delta R.T. -0.00 min
Lab File: VN051967.D
Acq: 23 Oct 2018 16:40

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:119 Resp: 884083
Ion Ratio Lower Upper
119 100
134 27.1 0.0 53.6
91 21.7 0.0 52.0

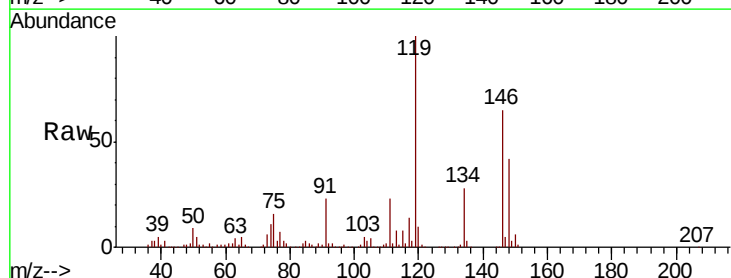


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V

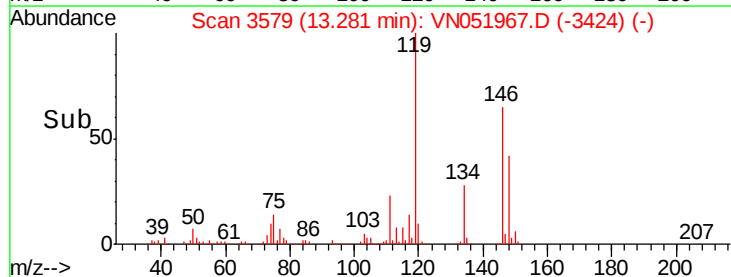
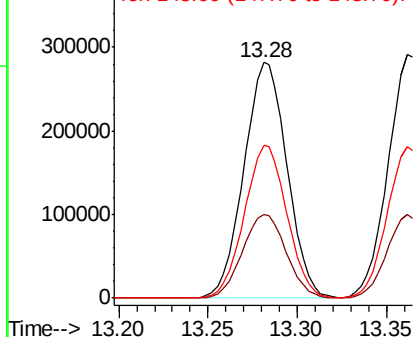


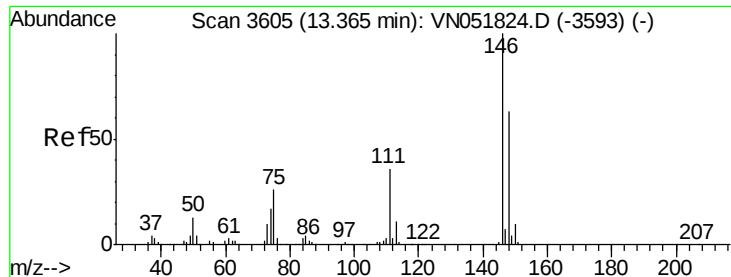
#83
1,3-Dichlorobenzene
Concen: 21.859 ug/l
RT: 13.28 min Scan# 3579
Delta R.T. -0.00 min
Lab File: VN051967.D
Acq: 23 Oct 2018 16:40

Tgt Ion:146 Resp: 477400
Ion Ratio Lower Upper
146 100
111 35.9 18.1 54.3
148 63.8 31.3 93.8



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

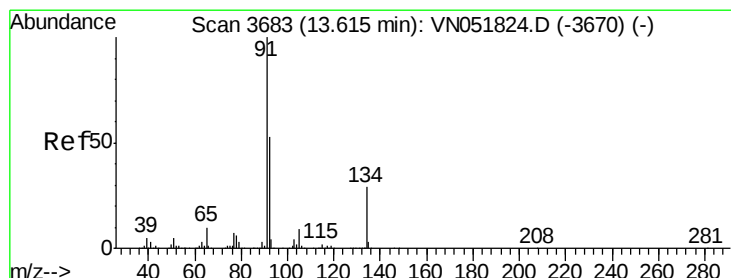
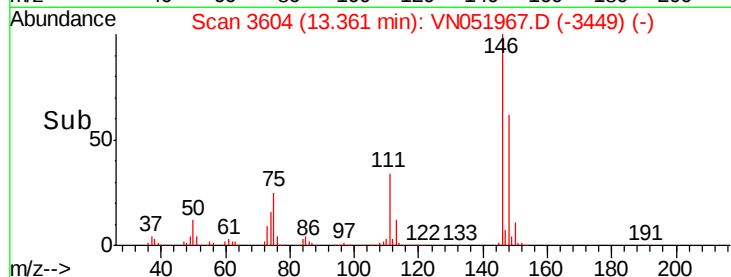
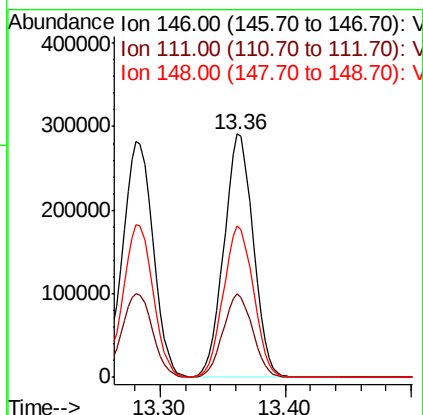
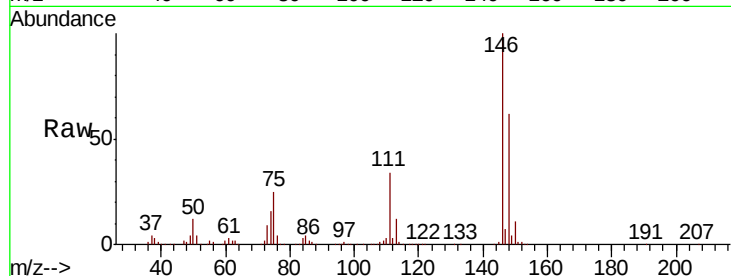




#84
 1,4-Dichlorobenzene
 Concen: 22.920 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN051967.D
 Acq: 23 Oct 2018 16:40

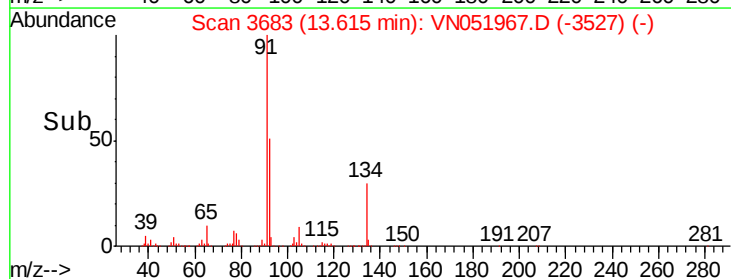
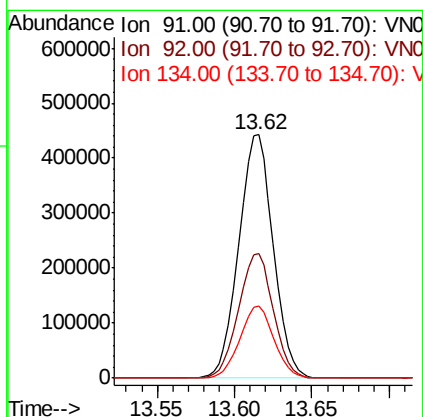
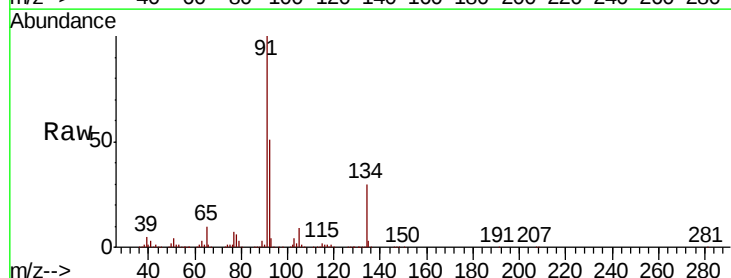
Instrument :
 MSVOA_N
 ClientSampleId :

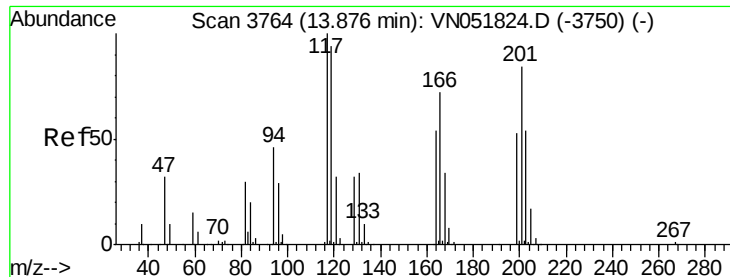
Tot Ion	Ratio	Lower	Upper
146	100		
111	34.4	17.4	52.2
148	64.1	32.8	98.3



#85
 n-Butylbenzene
 Concen: 20.380 ug/l
 RT: 13.62 min Scan# 3683
 Delta R.T. 0.00 min
 Lab File: VN051967.D
 Acq: 23 Oct 2018 16:40

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.5	0.0	97.4
134	29.2	0.0	49.6

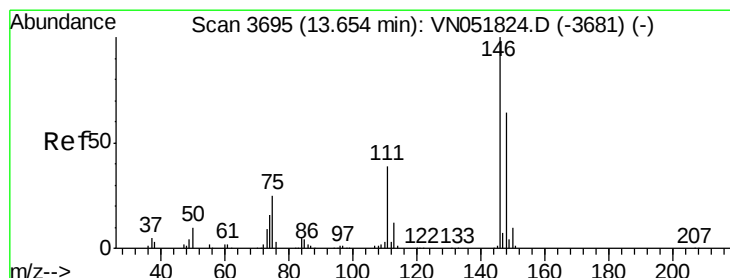
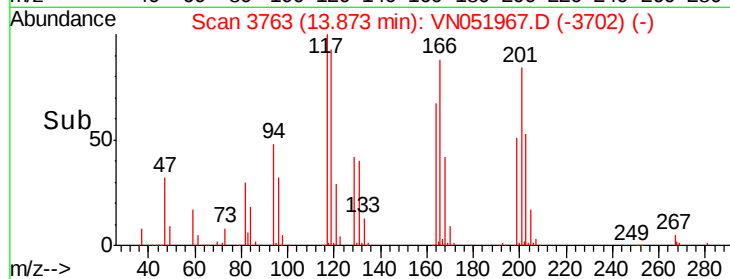
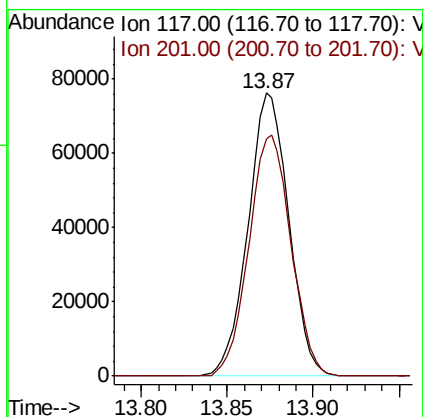
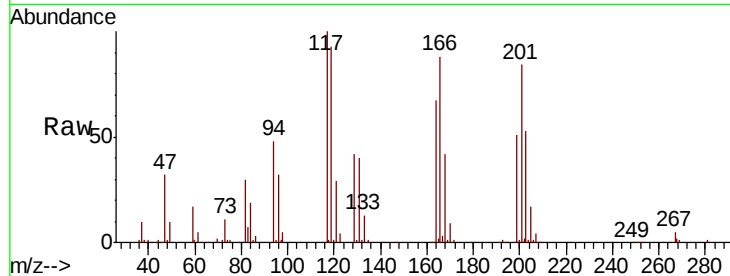




#86
Hexachloroethane
Concen: 16.276 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN051967.D
Acq: 23 Oct 2018 16:40

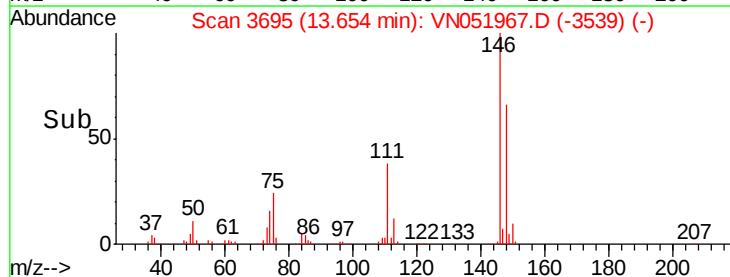
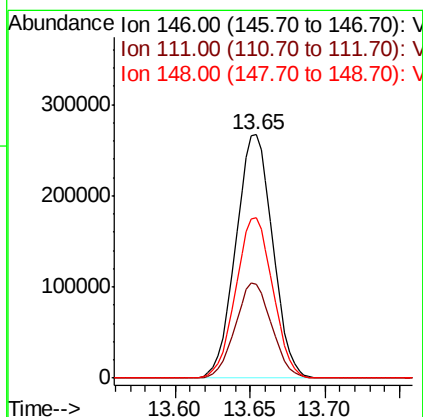
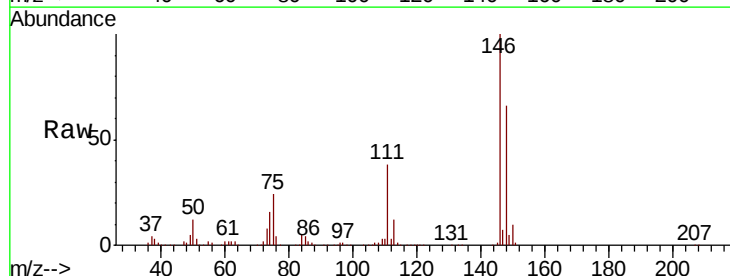
Instrument :
MSVOA_N
ClientSampled :

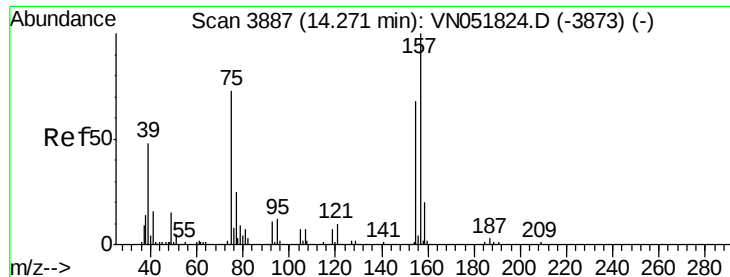
Tot Ion:117 Resp: 124841
Ion Ratio Lower Upper
117 100
201 88.0 47.8 143.3



#87
1,2-Dichlorobenzene
Concen: 21.624 ug/l
RT: 13.65 min Scan# 3695
Delta R.T. 0.00 min
Lab File: VN051967.D
Acq: 23 Oct 2018 16:40

Tgt Ion:146 Resp: 457228
Ion Ratio Lower Upper
146 100
111 38.5 20.8 62.2
148 66.2 33.2 99.6





#88

1,2-Dibromo-3-Chloropropane

Concen: 19.071 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN051967.D

Acq: 23 Oct 2018 16:40

Instrument :

MSVOA_N

ClientSampled :

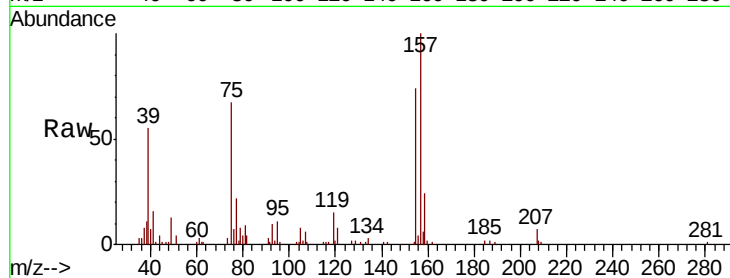
Tot Ion: 75 Resp: 28105

Ion Ratio Lower Upper

75 100

155 103.2 57.0 85.6#

157 136.2 87.4 131.0#

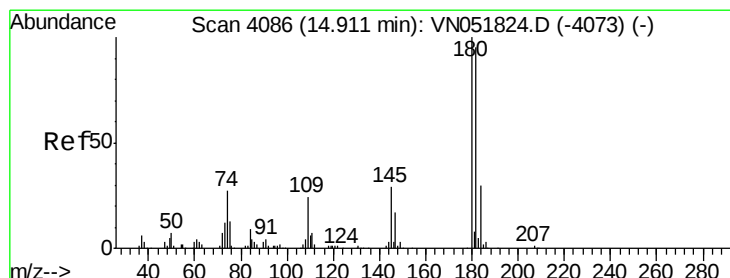
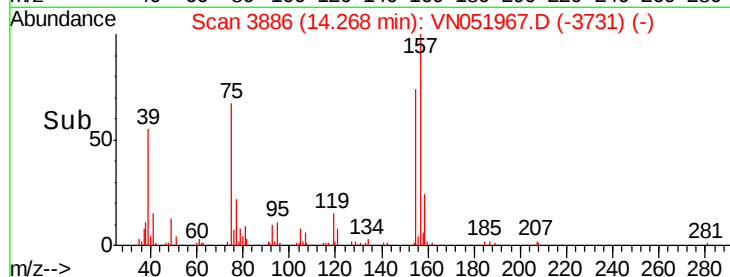
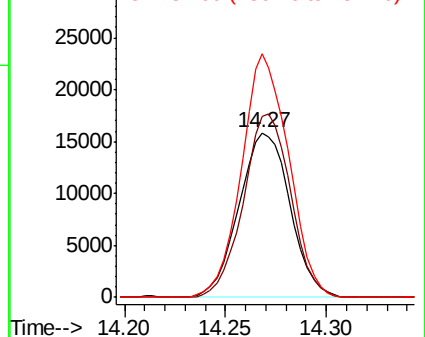


Abundance

Ion 75.00 (74.70 to 75.70): VN051824.D (-3873) (-)

Ion 155.00 (154.70 to 155.70): VN051824.D (-3873) (-)

Ion 157.00 (156.70 to 157.70): VN051824.D (-3873) (-)



#89

1,2,4-Trichlorobenzene

Concen: 26.293 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. -0.00 min

Lab File: VN051967.D

Acq: 23 Oct 2018 16:40

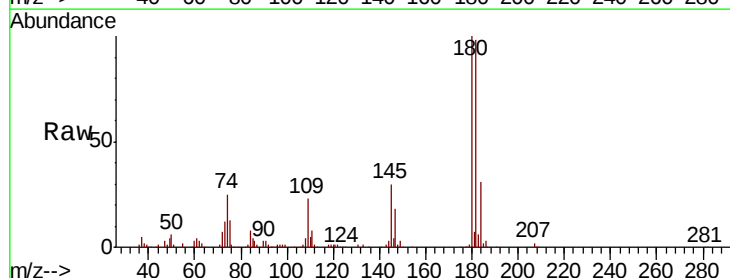
Tgt Ion: 180 Resp: 259080

Ion Ratio Lower Upper

180 100

182 96.3 77.7 116.5

145 28.9 23.4 35.2

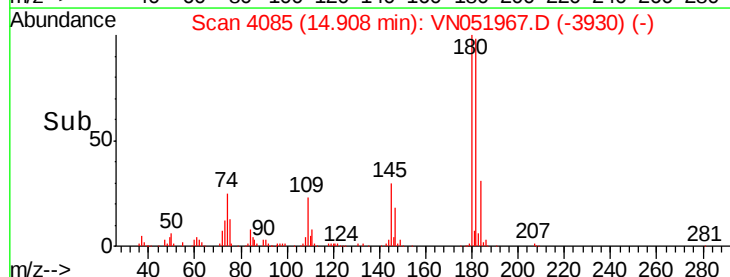
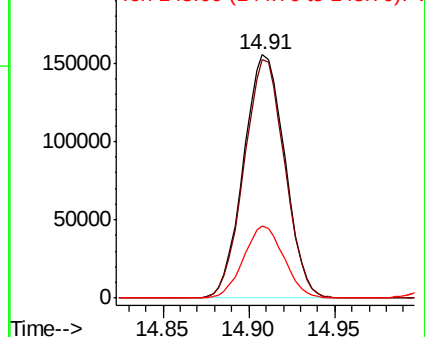


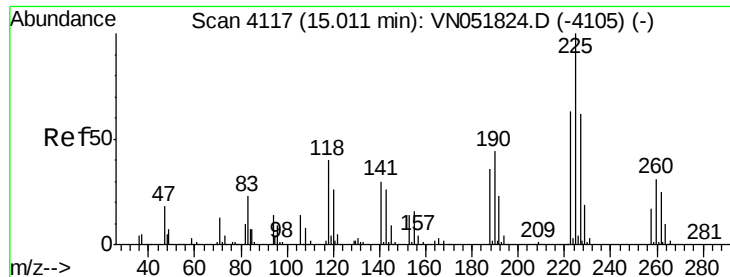
Abundance

Ion 180.00 (179.70 to 180.70): VN051824.D (-4073) (-)

Ion 182.00 (181.70 to 182.70): VN051824.D (-4073) (-)

Ion 145.00 (144.70 to 145.70): VN051824.D (-4073) (-)





#90

Hexachlorobutadiene

Concen: 20.334 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN051967.D

Acq: 23 Oct 2018 16:40

Instrument :

MSVOA_N

ClientSampled :

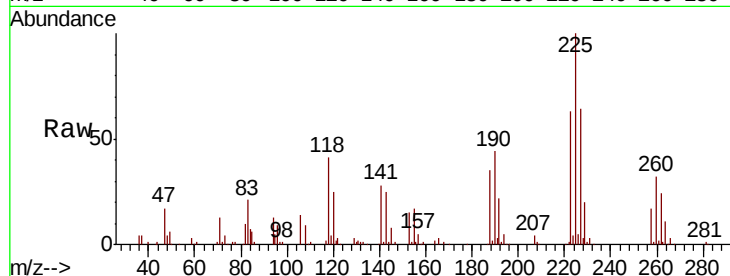
Tot Ion:225 Resp: 138553

Ion Ratio Lower Upper

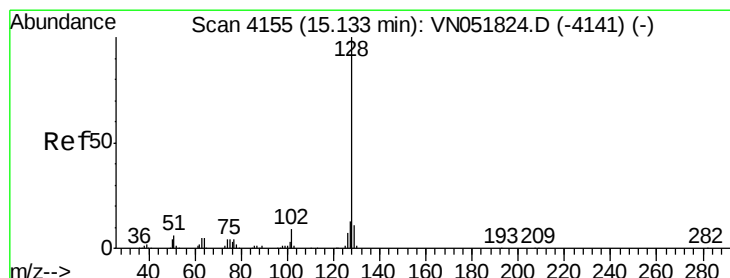
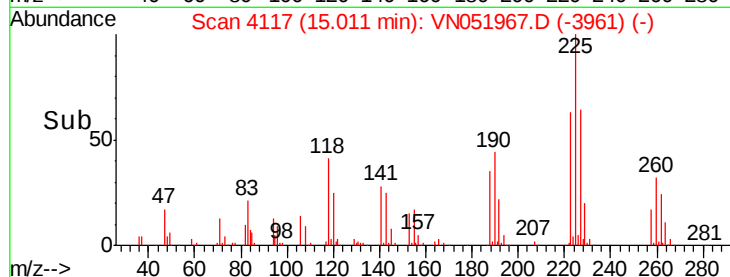
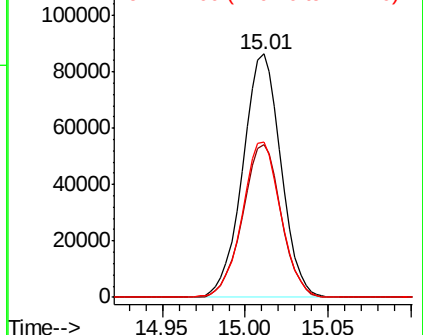
225 100

223 63.1 0.0 117.0

227 64.4 0.0 127.0



Abundance Ion 225.00 (224.70 to 225.70): V
Ion 223.00 (222.70 to 223.70): V
Ion 227.00 (226.70 to 227.70): V



#91

Naphthalene

Concen: 28.105 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051967.D

Acq: 23 Oct 2018 16:40

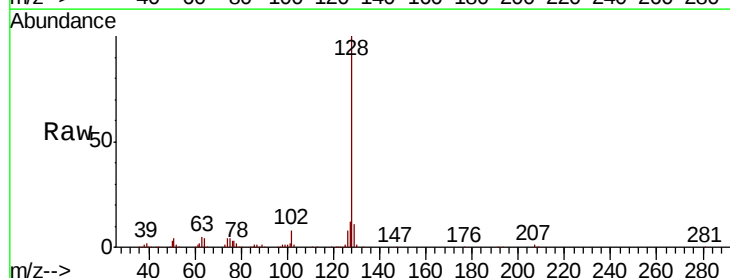
Tgt Ion:128 Resp: 566003

Ion Ratio Lower Upper

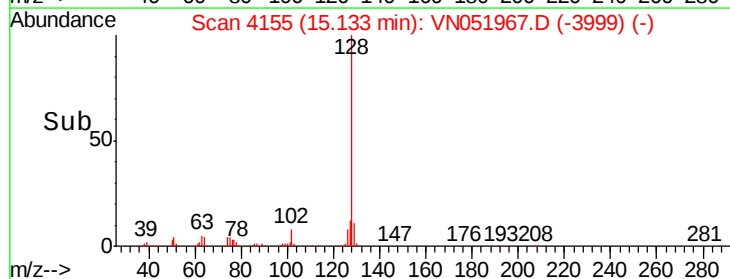
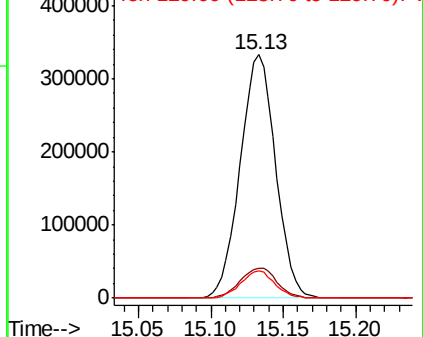
128 100

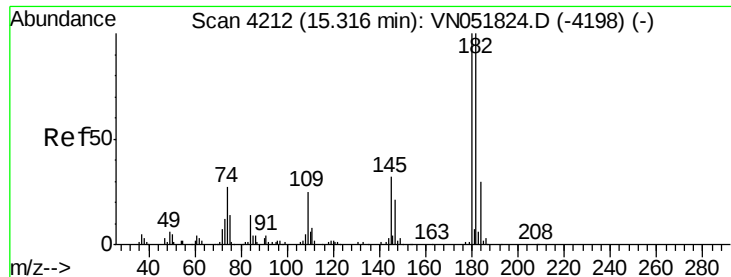
127 12.8 10.1 15.1

129 10.7 8.4 12.6



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: 25.646 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN051967.D
 Acq: 23 Oct 2018 16:40

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:	180	Resp:	246708
Ion	Ratio	Lower	Upper
180	100		
182	95.4	0.0	198.0
145	31.6	0.0	36.8

