

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102418\
 Data File : VN051977.D
 Acq On : 24 Oct 2018 10:12
 Operator : MD\SY
 Sample : VN1024WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 24 14:27:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 24 10:12:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1098295	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1613561	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1489938	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	760407	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	478899	48.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.92%	
35) Dibromofluoromethane	7.59	113	498774	48.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.88%	
50) Toluene-d8	10.09	98	1809209	48.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.24%	
62) 4-Bromofluorobenzene	12.40	95	612758	47.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	133025	19.086	ug/l	99
3) Chloromethane	2.06	50	122840	19.575	ug/l	95
4) Vinyl Chloride	2.19	62	154662	18.387	ug/l	100
5) Bromomethane	2.57	94	162742	20.207	ug/l	93
6) Chloroethane	2.71	64	115500	18.495	ug/l	100
7) Trichlorofluoromethane	3.02	101	287395	19.175	ug/l	98
8) Diethyl Ether	3.41	74	87014	19.527	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	175265	19.520	ug/l	100
10) Methyl Iodide	3.96	142	270322	20.350	ug/l	99
11) Tert butyl alcohol	4.78	59	42996	84.935	ug/l	99
12) 1,1-Dichloroethene	3.74	96	158730	19.741	ug/l	97
13) Acrolein	3.62	56	21786	100.893	ug/l	91
14) Allyl chloride	4.33	41	164551	19.340	ug/l	96
15) Acrylonitrile	4.99	53	216021	101.088	ug/l	99
16) Acetone	3.82	43	149128	92.535	ug/l	96
17) Carbon Disulfide	4.06	76	366273	19.163	ug/l	99
18) Methyl Acetate	4.33	43	100347	19.076	ug/l	97
19) Methyl tert-butyl Ether	5.04	73	422727	19.582	ug/l	99
20) Methylene Chloride	4.55	84	176035	18.620	ug/l	96
21) trans-1,2-Dichloroethene	5.05	96	176117	19.340	ug/l	97
22) Diisopropyl ether	5.96	45	384411	19.747	ug/l	98
23) Vinyl Acetate	5.90	43	1302274	98.343	ug/l	100
24) 1,1-Dichloroethane	5.85	63	275374	19.376	ug/l	99
25) 2-Butanone	6.83	43	225893	98.322	ug/l	100
26) 2,2-Dichloropropane	6.83	77	253617	19.505	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	211860	19.915	ug/l	97
28) Bromochloromethane	7.20	49	114179	19.934	ug/l	99
29) Tetrahydrofuran	7.21	42	148087	95.134	ug/l	98
30) Chloroform	7.37	83	338346	19.497	ug/l	97
31) Cyclohexane	7.65	56	235011	18.965	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	310566	19.571	ug/l	99
36) 1,1-Dichloropropene	7.79	75	232070	18.749	ug/l	99
37) Ethyl Acetate	6.93	43	110989	18.876	ug/l	98
38) Carbon Tetrachloride	7.78	117	276307	19.445	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	289959	19.180	ug/l	99
40) Benzene	8.04	78	711541	19.362	ug/l	100
41) Methacrylonitrile	7.17	41	53767	19.331	ug/l	93
42) 1,2-Dichloroethane	8.12	62	226270	19.203	ug/l	100
43) Isopropyl Acetate	8.16	43	200818	19.373	ug/l #	84
44) Trichloroethene	8.84	130	226895	19.235	ug/l	98
45) 1,2-Dichloropropane	9.12	63	162232	19.515	ug/l	99
46) Dibromomethane	9.21	93	132604	19.787	ug/l	97
47) Bromodichloromethane	9.40	83	245353	19.386	ug/l	99
48) Methyl methacrylate	9.20	41	94237	18.809	ug/l	97
49) 1,4-Dioxane	9.20	88	30331	330.147	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	549375	96.350	ug/l	98
52) Toluene	10.16	92	486609	19.526	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	229384	18.549	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	262477	19.842	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	177664	19.295	ug/l	99
56) Ethyl methacrylate	10.43	69	193873	19.588	ug/l	99
57) 1,3-Dichloropropane	10.71	76	268777	19.228	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	514189	99.287	ug/l	100
59) 2-Hexanone	10.75	43	369205	96.372	ug/l	100
60) Dibromochloromethane	10.90	129	195671	17.977	ug/l	100
61) 1,2-Dibromoethane	11.01	107	186541	19.214	ug/l	100
64) Tetrachloroethene	10.63	164	214276	18.737	ug/l	96
65) Chlorobenzene	11.43	112	585584	19.466	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	209441	19.370	ug/l	100
67) Ethyl Benzene	11.51	91	928235	19.196	ug/l	99
68) m/p-Xylenes	11.62	106	758639	39.267	ug/l	100
69) o-Xylene	11.95	106	368515	19.613	ug/l	99
70) Styrene	11.96	104	591765	19.705	ug/l	100
71) Bromoform	12.13	173	119825	17.536	ug/l #	100
73) Isopropylbenzene	12.25	105	983024	20.384	ug/l	99
74) N-amyl acetate	12.07	43	184004	19.385	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	199092	19.980	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	237356	30.219	ug/l #	100
77) Bromobenzene	12.53	156	269929	20.281	ug/l	100
78) n-propylbenzene	12.59	91	1060008	20.376	ug/l	100
79) 2-Chlorotoluene	12.67	91	622505	20.548	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	806987	20.857	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	44028	19.221	ug/l	96
82) 4-Chlorotoluene	12.77	91	636190	20.283	ug/l	99
83) tert-Butylbenzene	12.99	119	750679	20.514	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	824468	20.658	ug/l	99
85) sec-Butylbenzene	13.17	105	983594	20.580	ug/l	98
86) p-Isopropyltoluene	13.29	119	884968	20.567	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	482308	19.648	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	481585	19.900	ug/l	98
89) n-Butylbenzene	13.61	91	682976	19.933	ug/l	99
90) Hexachloroethane	13.87	117	128980	20.120	ug/l	94
91) 1,2-Dichlorobenzene	13.65	146	466569	19.648	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	26675	17.435	ug/l	92

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Quant Title : SW846 8260
QLast Update : Wed Oct 24 10:12:55 2018
Response via : Initial Calibration

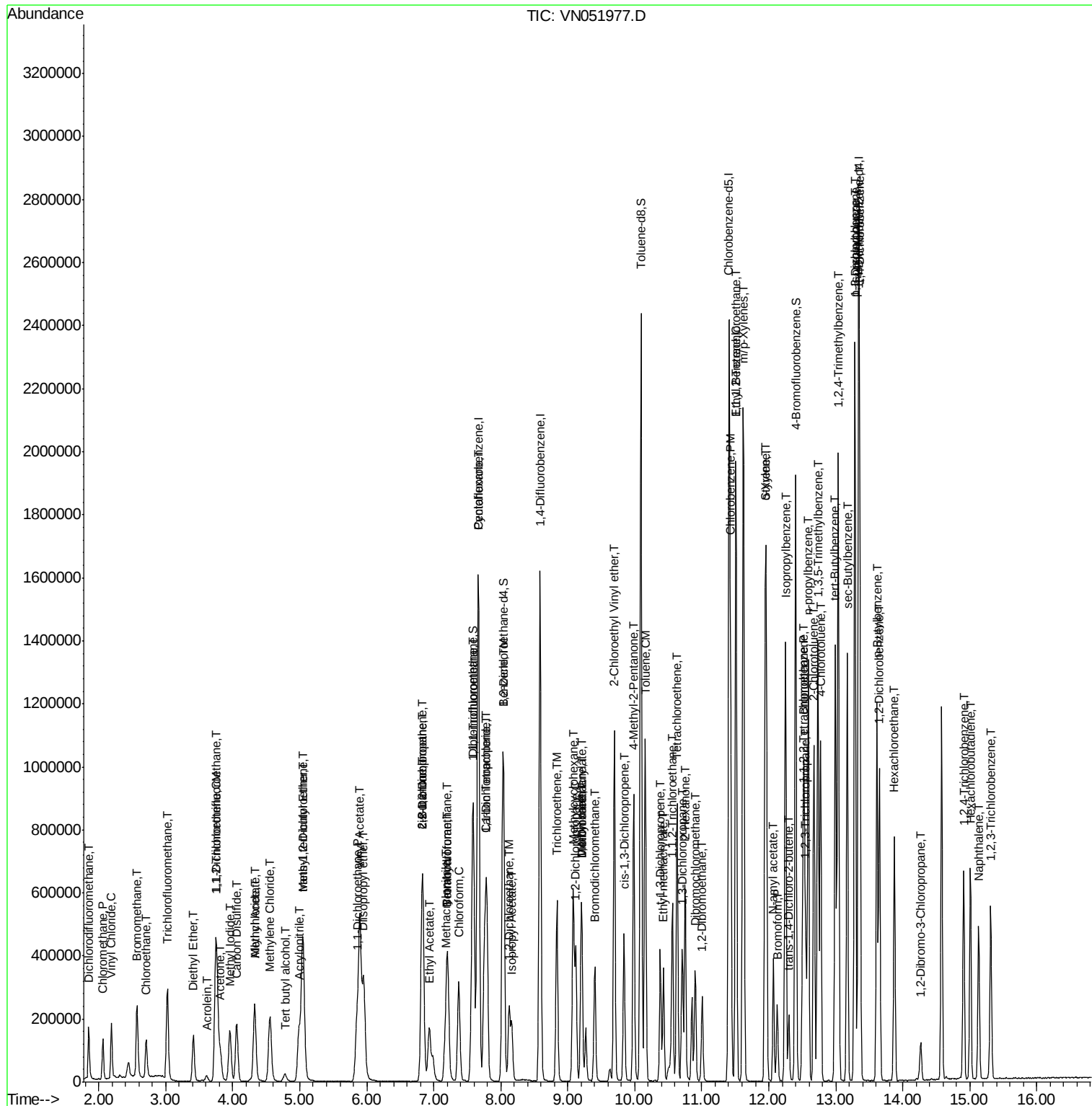
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	226349	16.136	ug/l	99
94) Hexachlorobutadiene	15.01	225	130548	18.112	ug/l	98
95) Naphthalene	15.13	128	457242	15.009	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	198336	14.792	ug/l	99

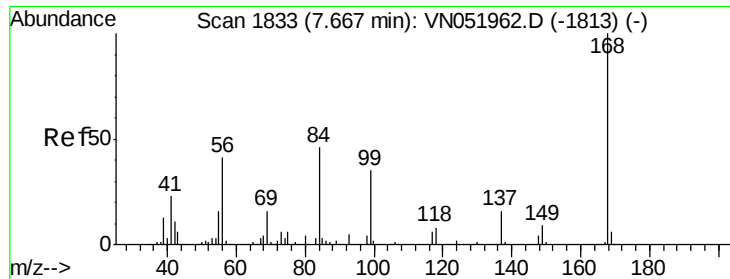
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN102418\
Data File : VN051977.D
Acq On : 24 Oct 2018 10:12
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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 5 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Oct 24 14:16:29 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N102318W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 24 10:12:55 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN051977.D

Acq: 24 Oct 2018 10:12

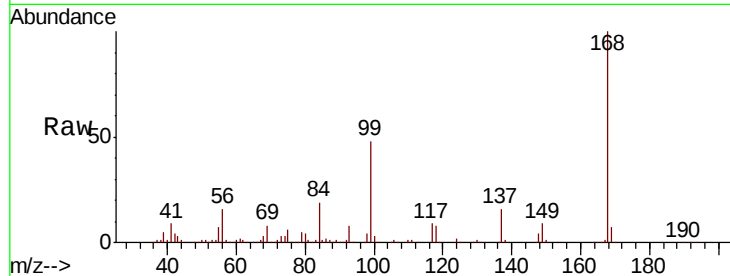
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 1098295

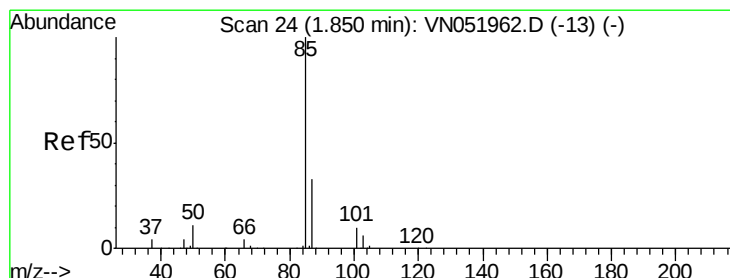
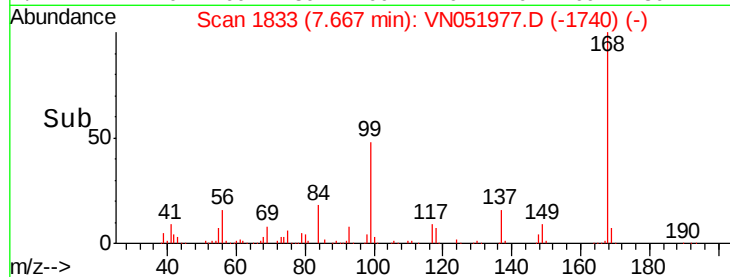
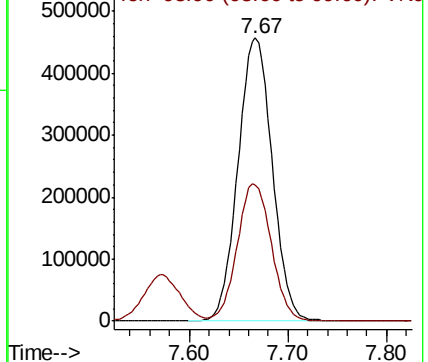
Ion Ratio Lower Upper

168 100

99 48.1 37.8 56.6



Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 19.086 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051977.D

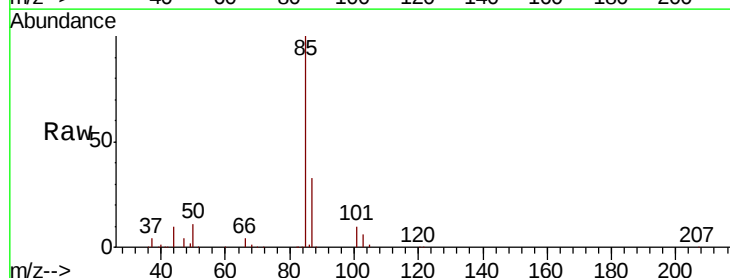
Acq: 24 Oct 2018 10:12

Tgt Ion: 85 Resp: 133025

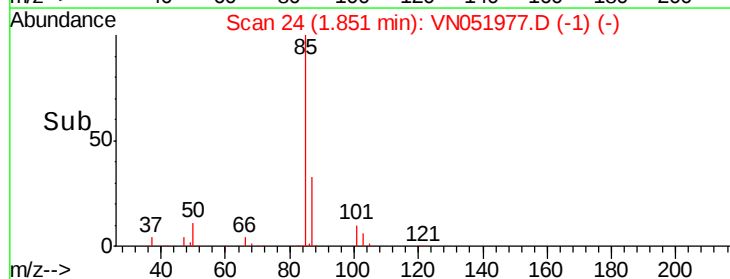
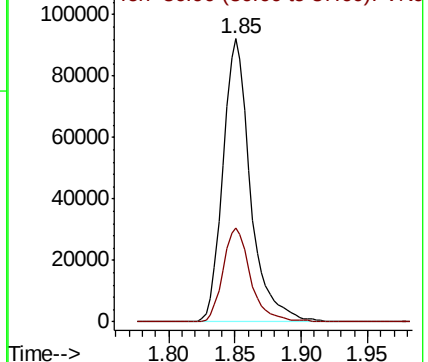
Ion Ratio Lower Upper

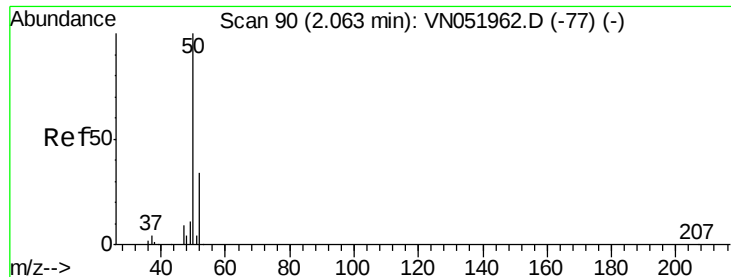
85 100

87 33.4 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VN0
Ion 86.90 (86.60 to 87.60): VN0

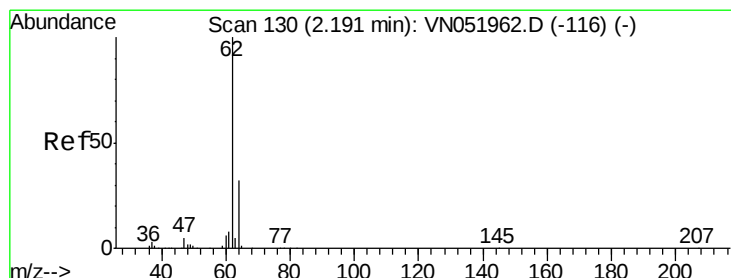
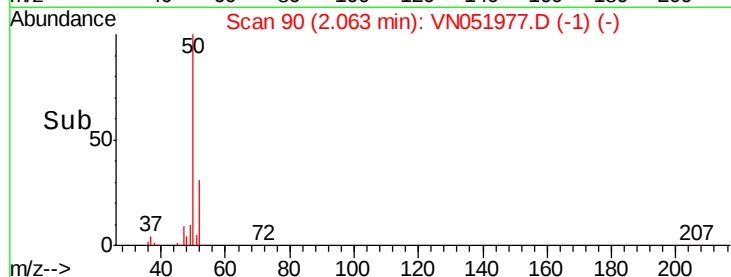
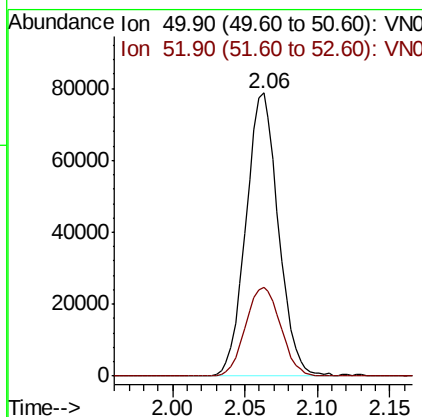
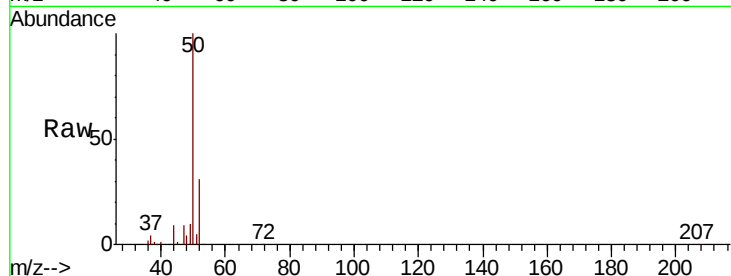




#3
Chloromethane
Concen: 19.575 ug/l
RT: 2.06 min Scan# 90
Delta R.T. 0.00 min
Lab File: VN051977.D
Acq: 24 Oct 2018 10:12

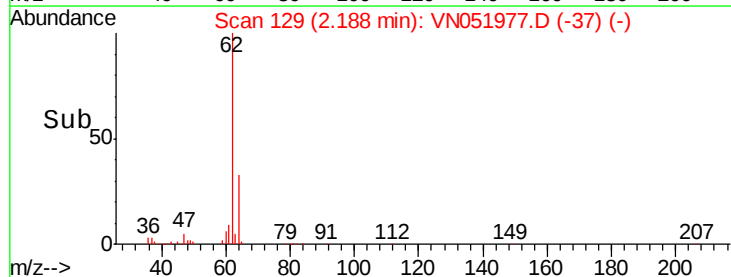
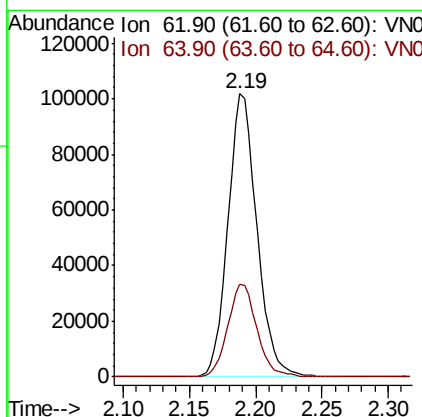
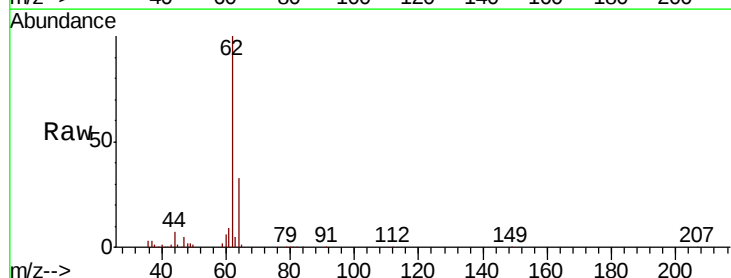
Instrument :
MSVOA_N
ClientSampleId :

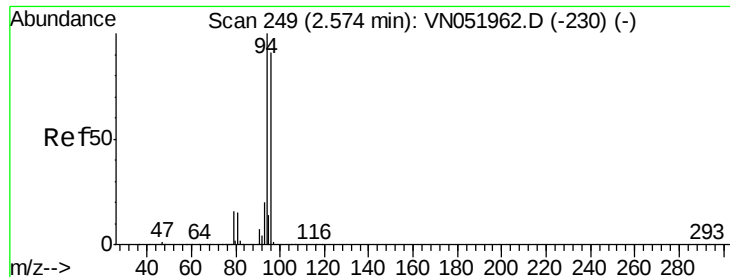
Tot Ion: 50 Resp: 122840
Ion Ratio Lower Upper
50 100
52 31.3 27.5 41.3



#4
Vinyl Chloride
Concen: 18.387 ug/l
RT: 2.19 min Scan# 129
Delta R.T. -0.00 min
Lab File: VN051977.D
Acq: 24 Oct 2018 10:12

Tgt Ion: 62 Resp: 154662
Ion Ratio Lower Upper
62 100
64 32.6 26.0 39.0





#5

Bromomethane

Concen: 20.207 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN051977.D

Acq: 24 Oct 2018 10:12

Instrument :

MSVOA_N

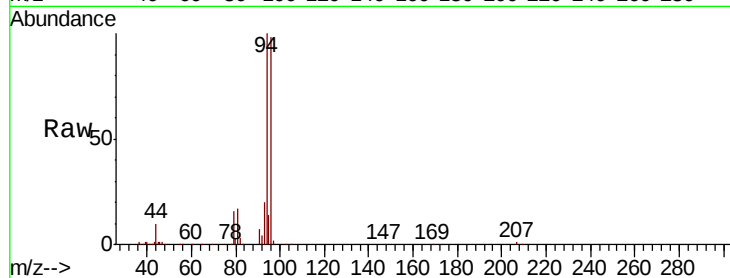
ClientSampled :

Tot Ion: 94 Resp: 162742

Ion Ratio Lower Upper

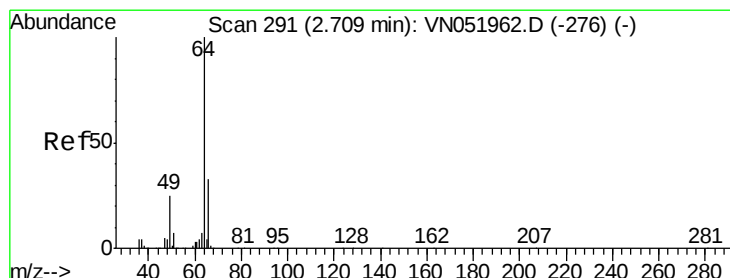
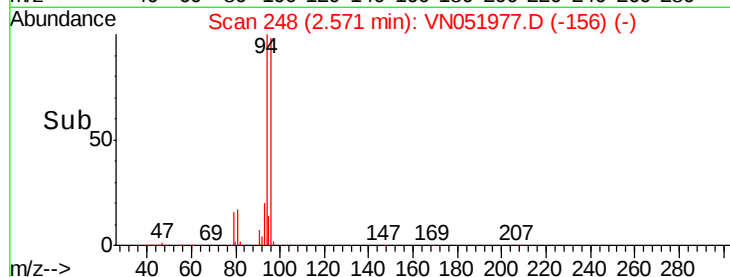
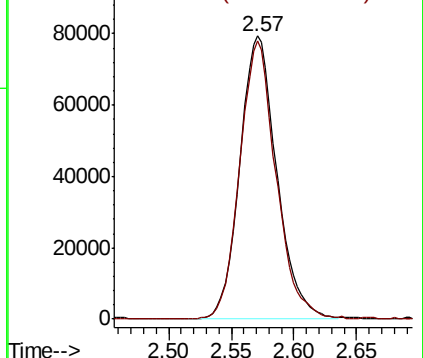
94 100

96 98.4 73.0 109.6



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.495 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN051977.D

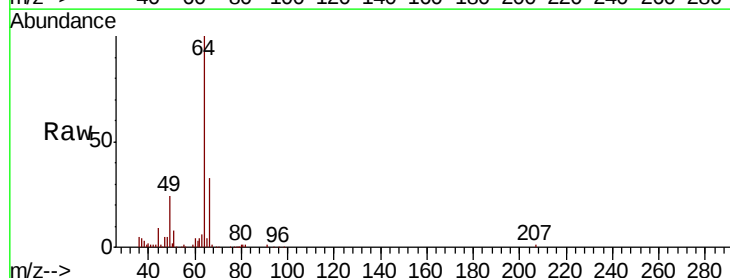
Acq: 24 Oct 2018 10:12

Tgt Ion: 64 Resp: 115500

Ion Ratio Lower Upper

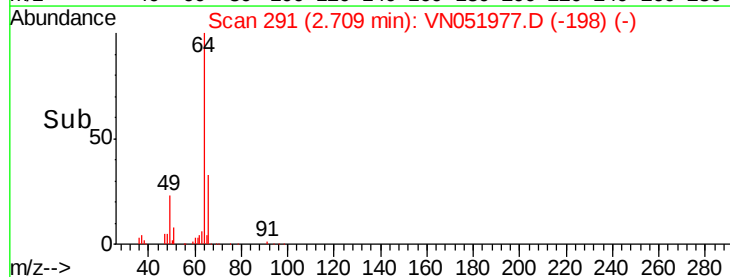
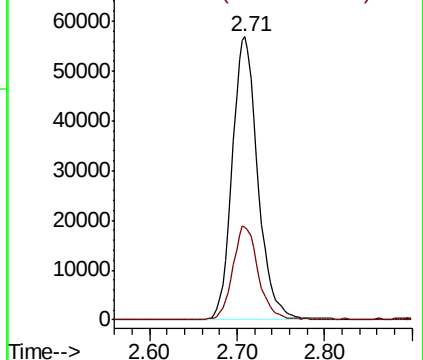
64 100

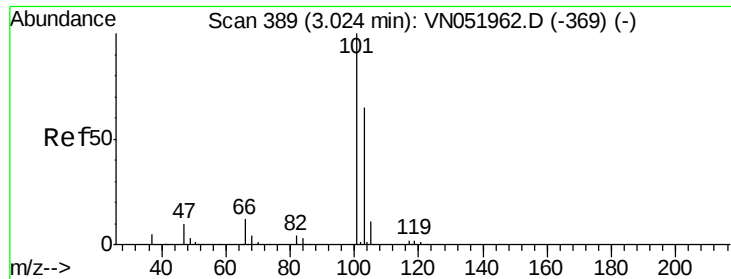
66 33.0 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



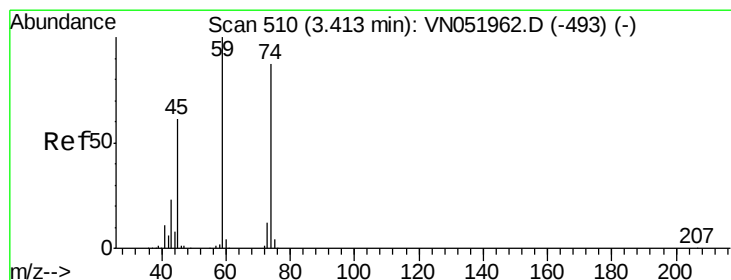
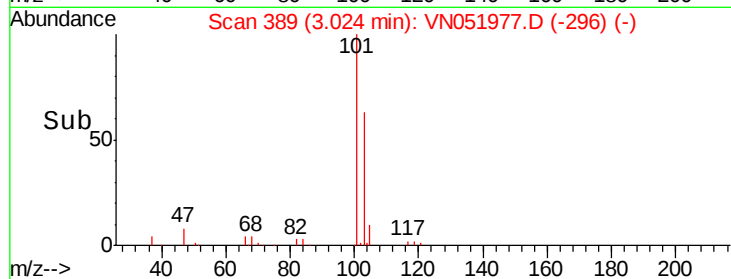
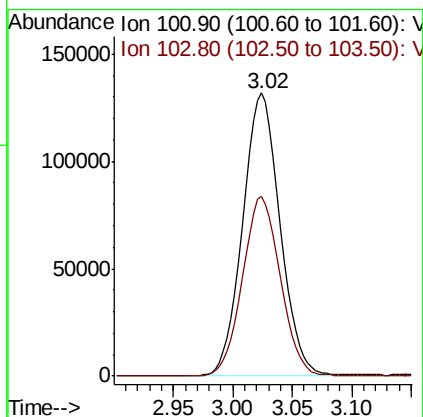
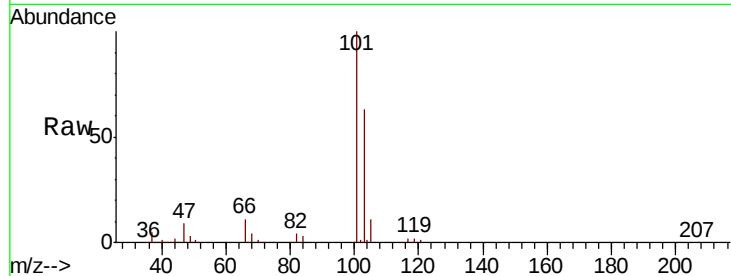


#7

Trichlorofluoromethane
 Concen: 19.175 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN051977.D
 Acq: 24 Oct 2018 10:12

Instrument :
 MSVOA_N
 ClientSampled :

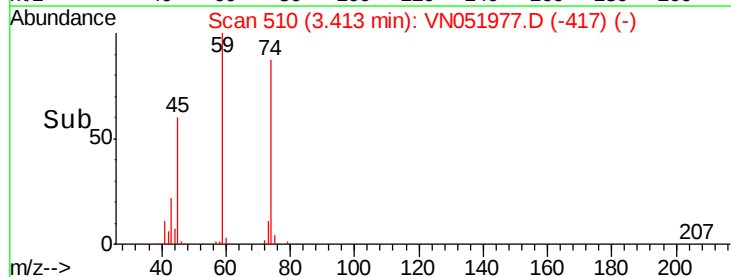
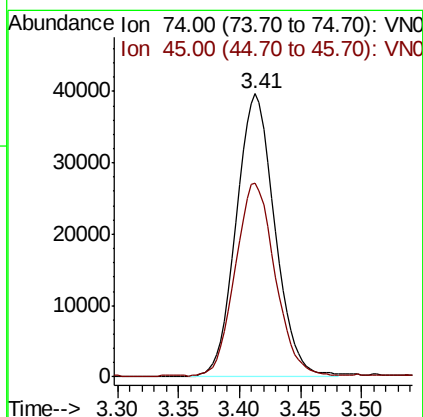
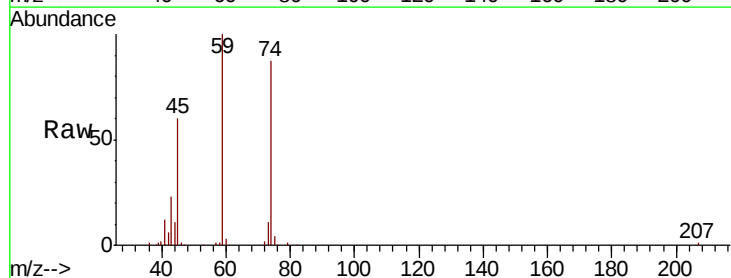
Tot Ion:101 Resp: 287395
 Ion Ratio Lower Upper
 101 100
 103 63.4 52.0 78.0

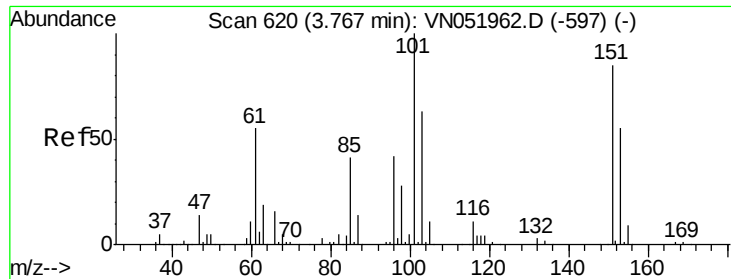


#8

Diethyl Ether
 Concen: 19.527 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN051977.D
 Acq: 24 Oct 2018 10:12

Tgt Ion: 74 Resp: 87014
 Ion Ratio Lower Upper
 74 100
 45 69.9 35.5 106.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.520 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN051977.D

Acq: 24 Oct 2018 10:12

Instrument :

MSVOA_N

ClientSampleId :

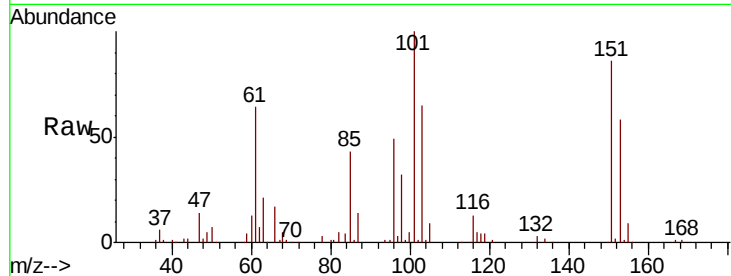
Tot Ion:101 Resp: 175265

Ion Ratio Lower Upper

101 100

85 42.5 34.2 51.4

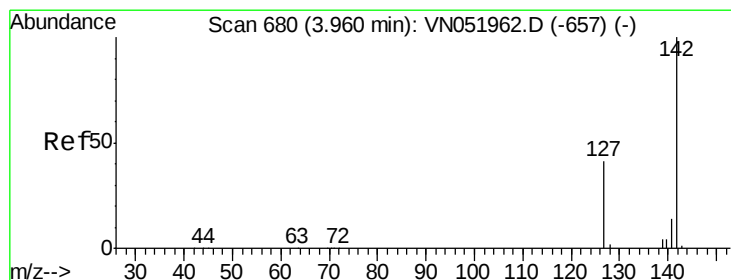
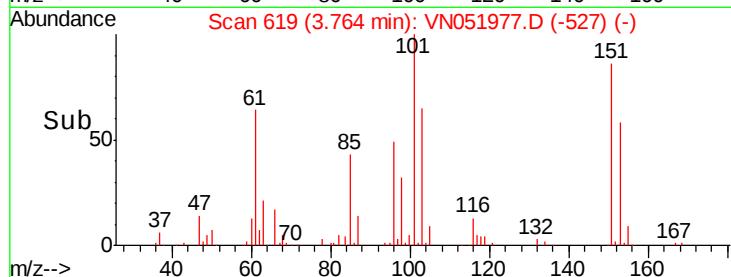
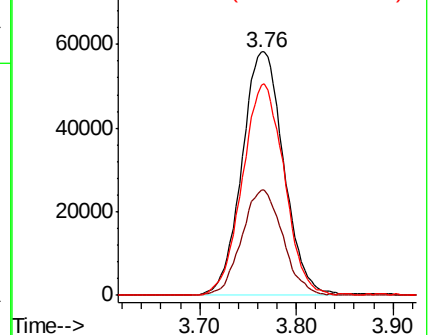
151 86.6 69.1 103.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.350 ug/l

RT: 3.96 min Scan# 680

Delta R.T. 0.00 min

Lab File: VN051977.D

Acq: 24 Oct 2018 10:12

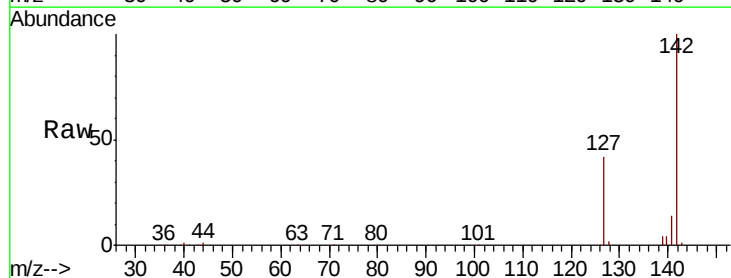
Tgt Ion:142 Resp: 270322

Ion Ratio Lower Upper

142 100

127 42.3 34.3 51.5

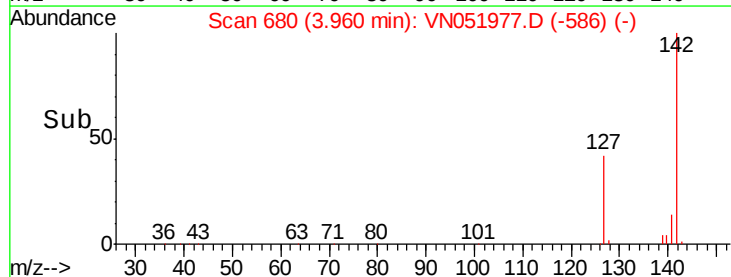
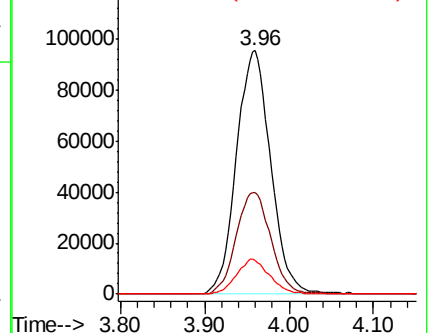
141 13.9 11.4 17.0

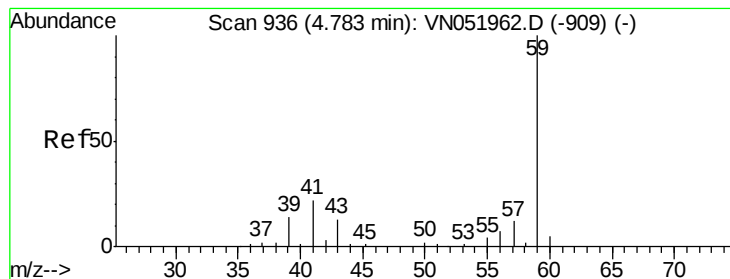


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



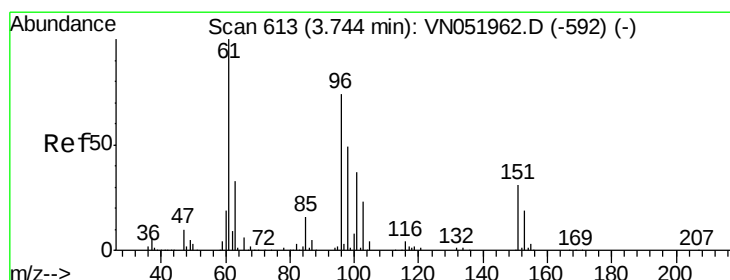
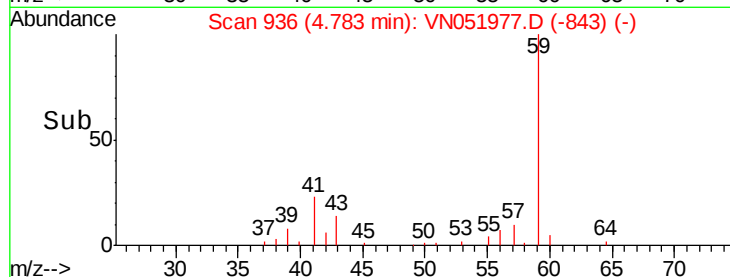
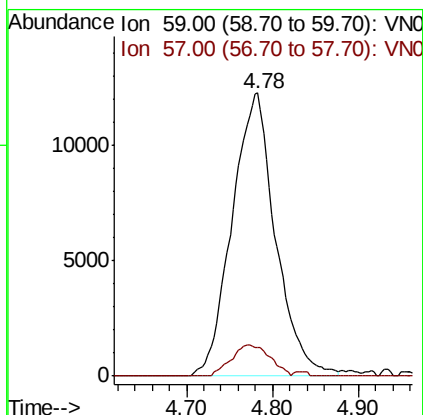
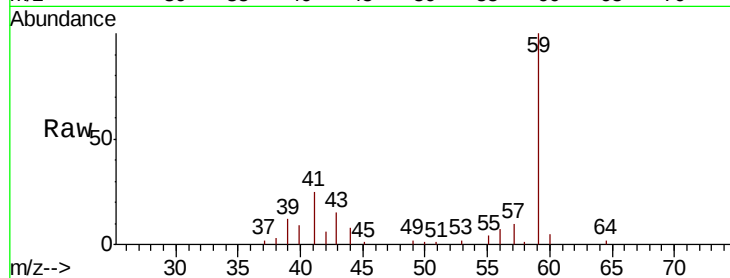


#11

Tert butyl alcohol
 Concen: 84.935 ug/l
 RT: 4.78 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VN051977.D
 Acq: 24 Oct 2018 10:12

Instrument :
 MSVOA_N
 ClientSampled :

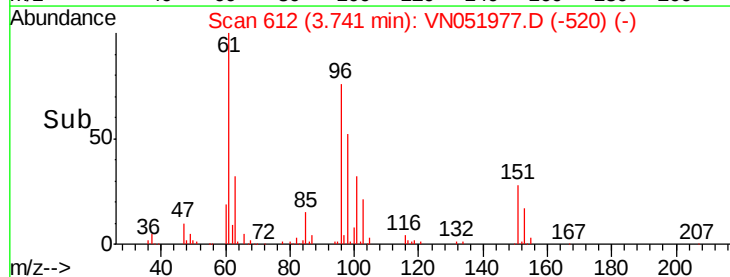
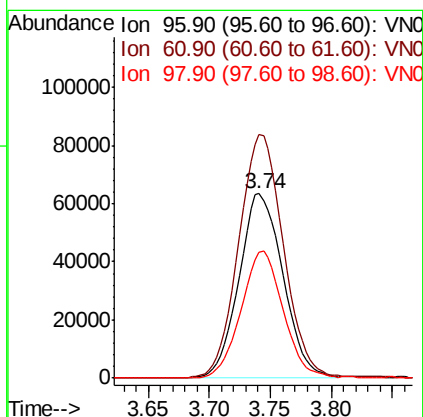
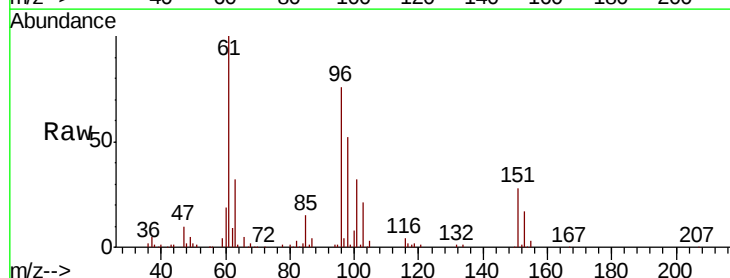
Tot Ion: 59 Resp: 42996
 Ion Ratio Lower Upper
 59 100
 57 9.9 8.2 12.4

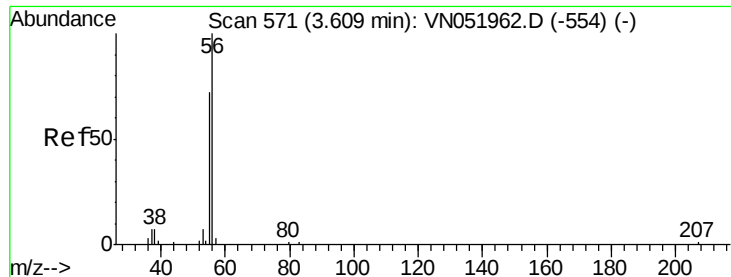


#12

1,1-Dichloroethene
 Concen: 19.741 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: VN051977.D
 Acq: 24 Oct 2018 10:12

Tgt Ion: 96 Resp: 158730
 Ion Ratio Lower Upper
 96 100
 61 131.5 107.8 161.8
 98 68.2 52.7 79.1





#13

Acrolein

Concen: 100.893 ug/l

RT: 3.62 min Scan# 573

Delta R.T. 0.01 min

Lab File: VN051977.D

Acq: 24 Oct 2018 10:12

Instrument :

MSVOA_N

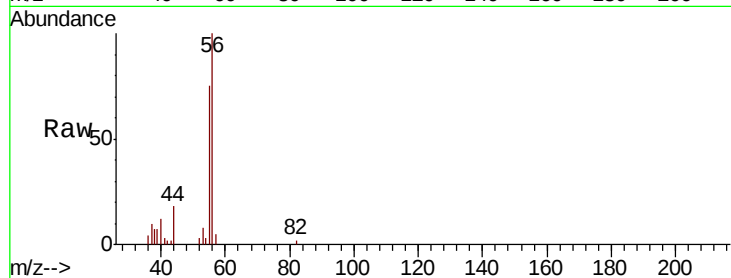
ClientSampleId :

Tot Ion: 56 Resp: 21786

Ion Ratio Lower Upper

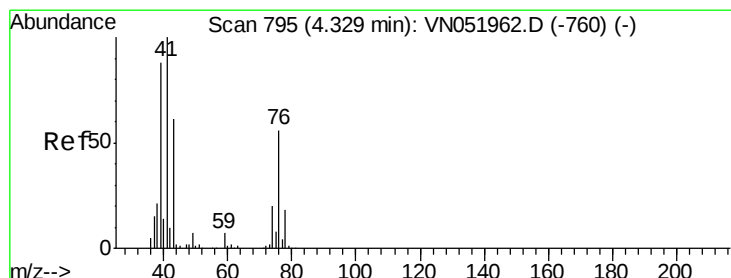
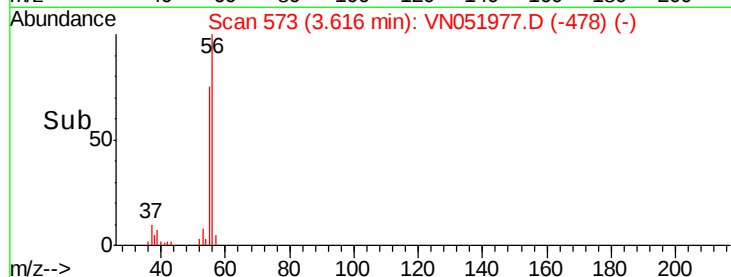
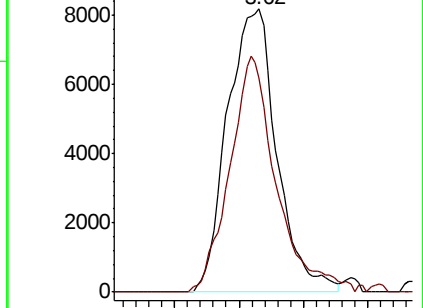
56 100

55 77.9 56.6 84.8



Abundance Ion 56.00 (55.70 to 56.70): VN051962.D (-554) (-)

Ion 55.00 (54.70 to 55.70): VN051962.D (-554) (-)



#14

Allyl chloride

Concen: 19.340 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN051977.D

Acq: 24 Oct 2018 10:12

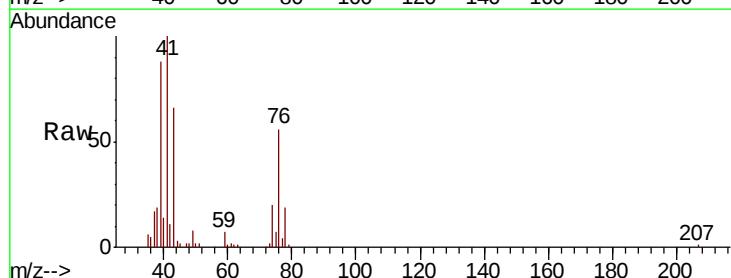
Tgt Ion: 41 Resp: 164551

Ion Ratio Lower Upper

41 100

39 79.9 67.7 101.5

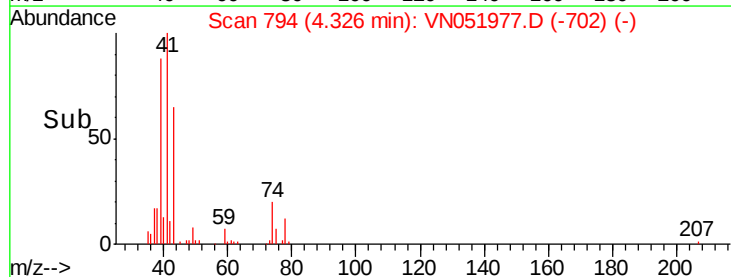
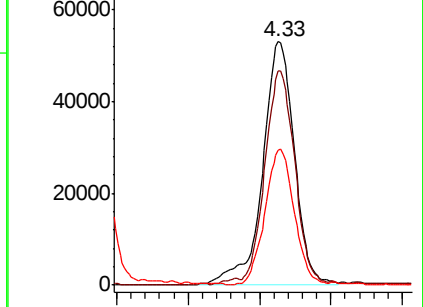
76 50.5 41.3 61.9

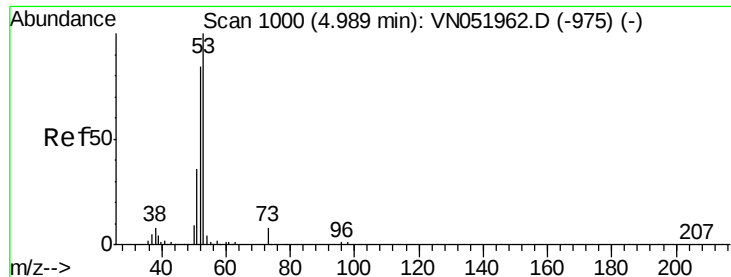


Abundance Ion 41.00 (40.70 to 41.70): VN051962.D (-760) (-)

Ion 39.00 (38.70 to 39.70): VN051962.D (-760) (-)

Ion 75.90 (75.60 to 76.60): VN051962.D (-760) (-)





#15

Acrylonitrile

Concen: 101.088 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN051977.D

Acq: 24 Oct 2018 10:12

Instrument :

MSVOA_N

ClientSampleId :

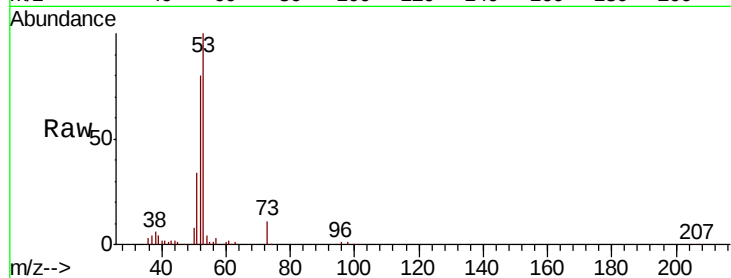
Tot Ion: 53 Resp: 216021

Ion Ratio Lower Upper

53 100

52 81.8 67.0 100.4

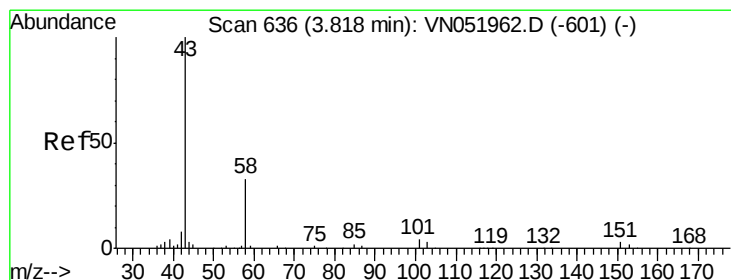
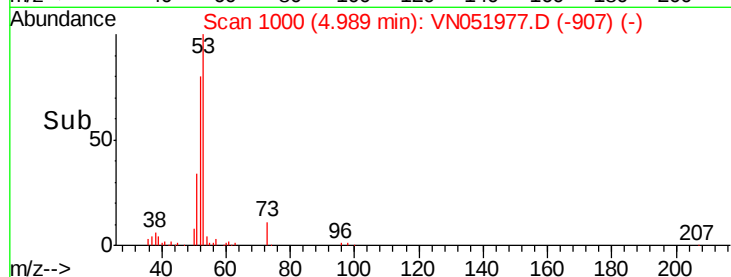
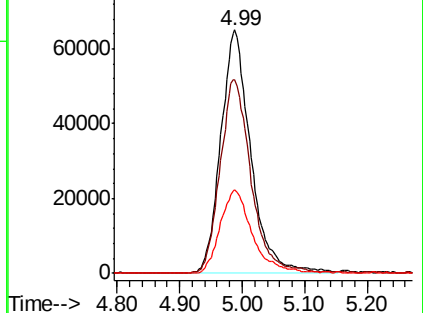
51 36.9 29.5 44.3



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 92.535 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN051977.D

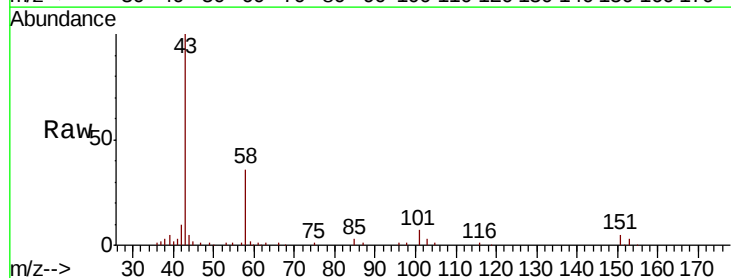
Acq: 24 Oct 2018 10:12

Tgt Ion: 43 Resp: 149128

Ion Ratio Lower Upper

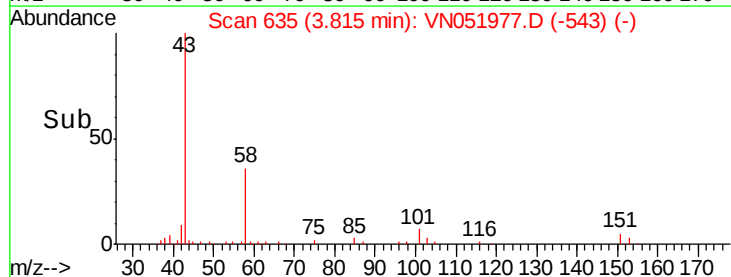
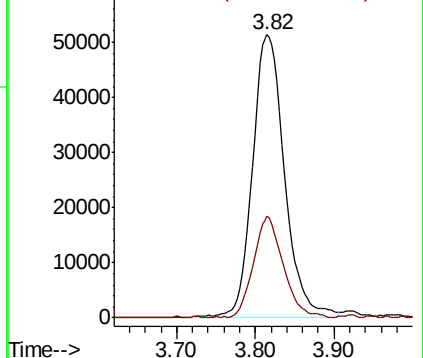
43 100

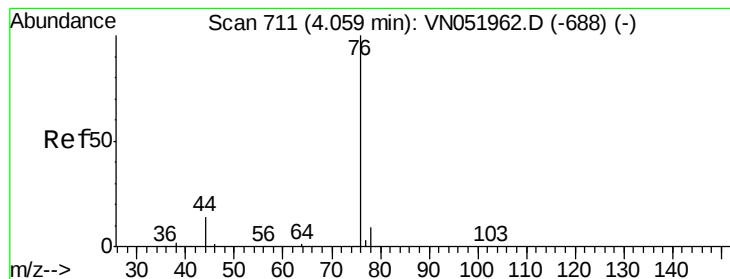
58 35.4 26.7 40.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 19.163 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN051977.D

Acq: 24 Oct 2018 10:12

Instrument :

MSVOA_N

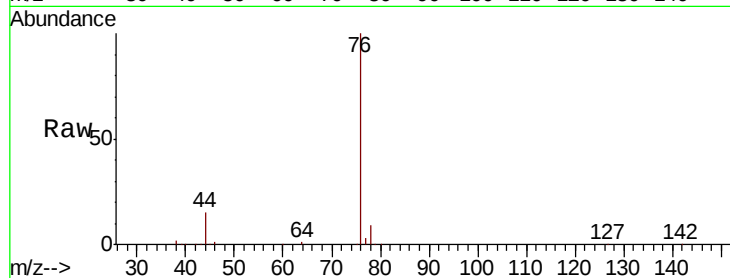
ClientSampled :

Tot Ion: 76 Resp: 366273

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN051962.D (-688) (-)

Ion 77.90 (77.60 to 78.60): VN051962.D (-688) (-)

4.06

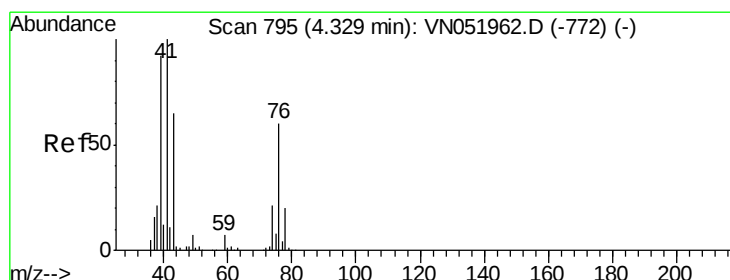
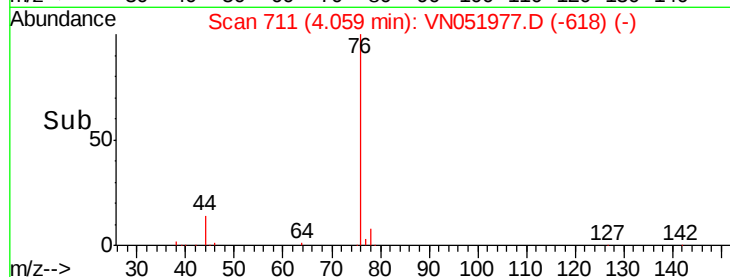
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 19.076 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN051977.D

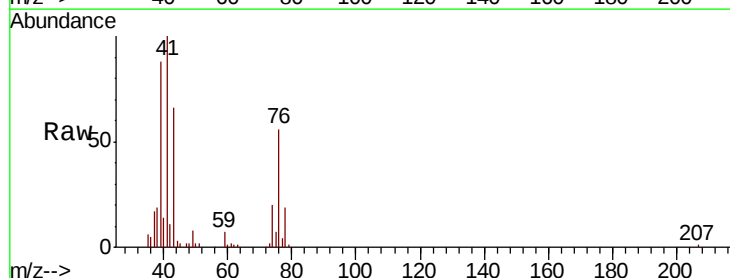
Acq: 24 Oct 2018 10:12

Tgt Ion: 43 Resp: 100347

Ion Ratio Lower Upper

43 100

74 30.6 25.7 38.5



Abundance Ion 43.00 (42.70 to 43.70): VN051962.D (-772) (-)

Ion 74.00 (73.70 to 74.70): VN051962.D (-772) (-)

4.33

40000

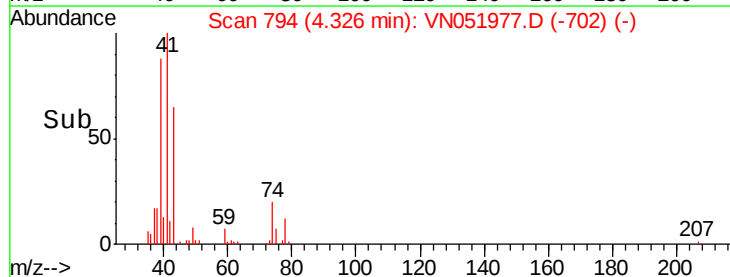
30000

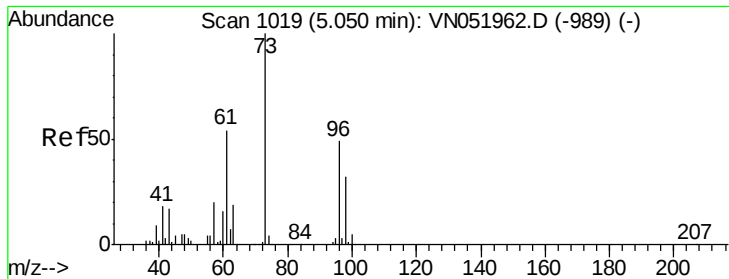
20000

10000

0

Time-->

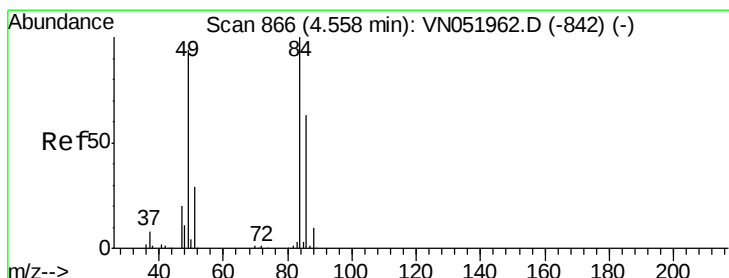
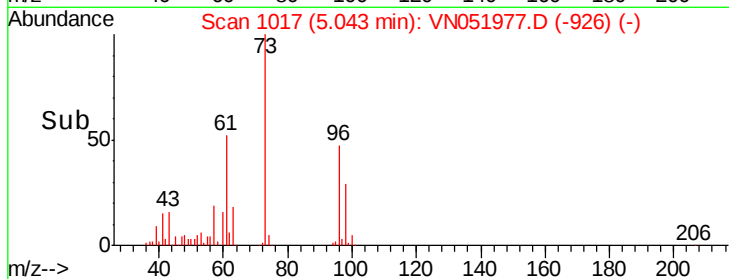
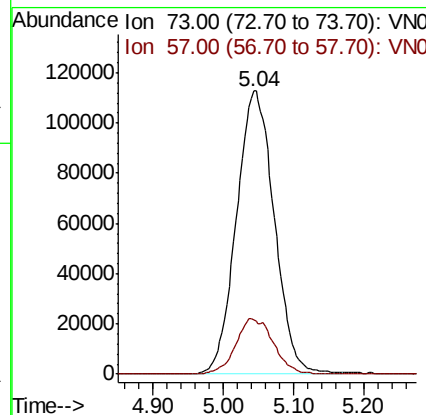
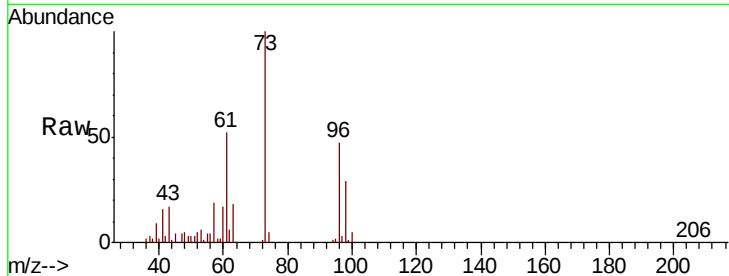




#19
Methvl tert-butvl Ether
Concen: 19.582 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VN051977.D
Acq: 24 Oct 2018 10:12

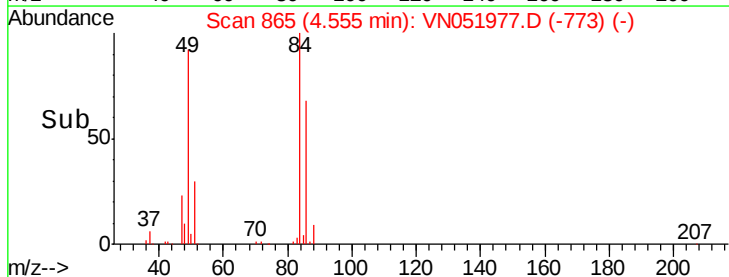
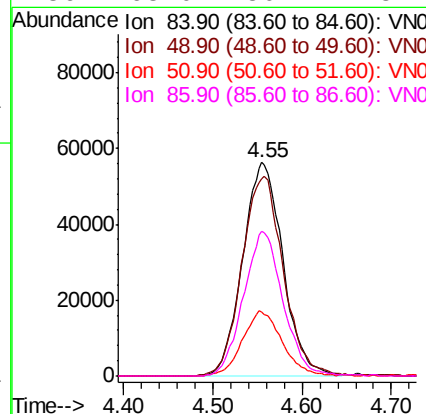
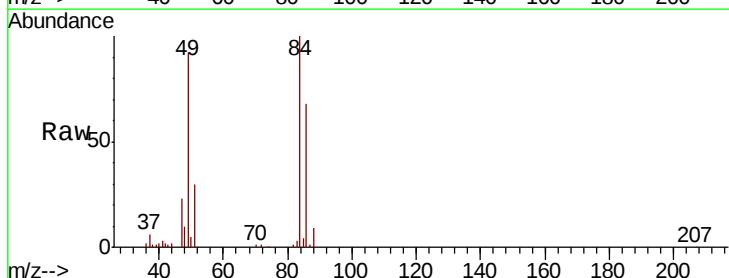
Instrument :
MSVOA_N
ClientSampleId :

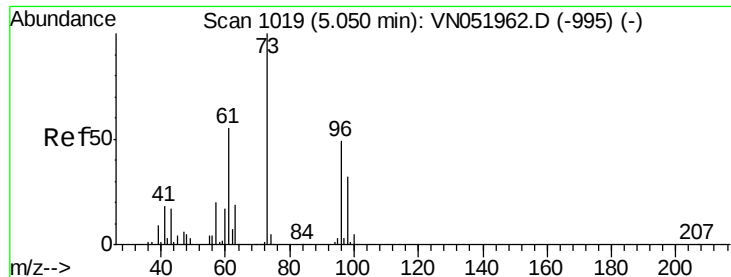
Tot Ion: 73 Resp: 422727
Ion Ratio Lower Upper
73 100
57 19.3 15.9 23.9



#20
Methylene Chloride
Concen: 18.620 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN051977.D
Acq: 24 Oct 2018 10:12

Tgt Ion: 84 Resp: 176035
Ion Ratio Lower Upper
84 100
49 92.2 75.4 113.0
51 30.2 23.1 34.7
86 68.0 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 19.340 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN051977.D

Acq: 24 Oct 2018 10:12

Instrument :

MSVOA_N

ClientSampled :

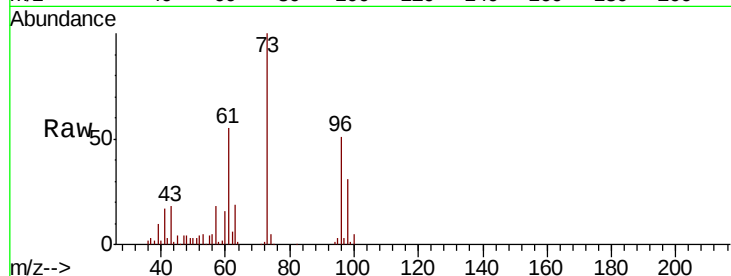
Tot Ion: 96 Resp: 176117

Ion Ratio Lower Upper

96 100

61 109.0 89.0 133.4

98 61.6 51.8 77.8

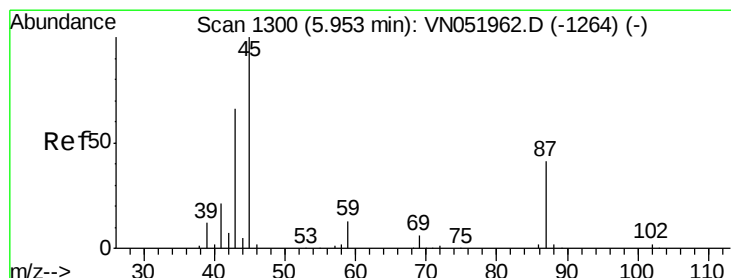
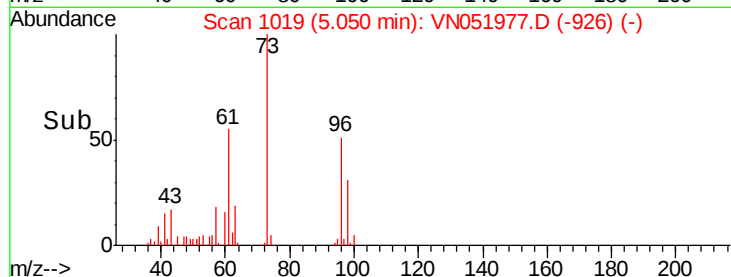
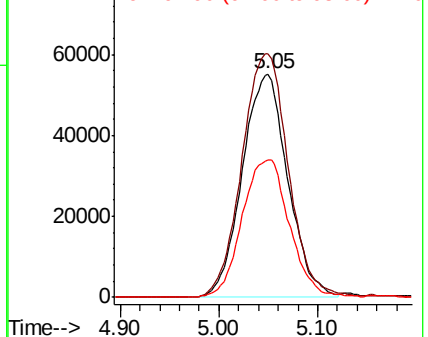


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 19.747 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VN051977.D

Acq: 24 Oct 2018 10:12

Tgt Ion: 45 Resp: 384411

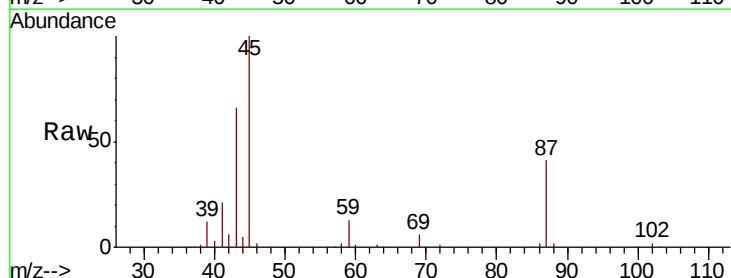
Ion Ratio Lower Upper

45 100

43 63.9 52.9 79.3

87 40.4 33.4 50.0

59 12.6 10.5 15.7



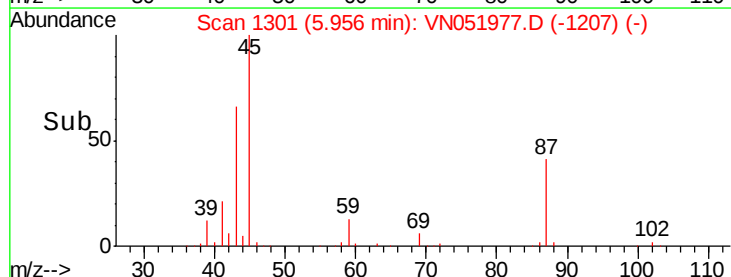
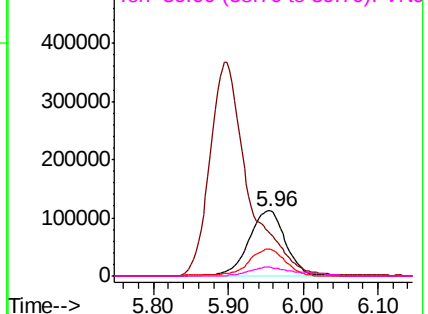
Abundance

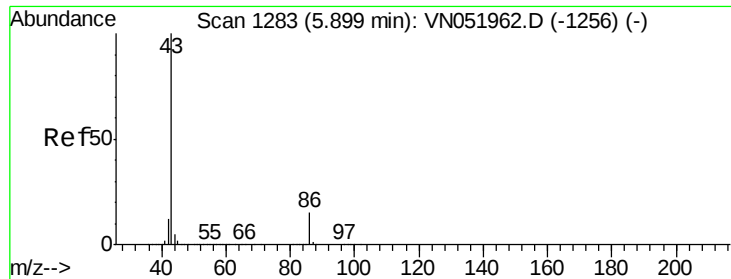
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 98.343 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN051977.D

Acq: 24 Oct 2018 10:12

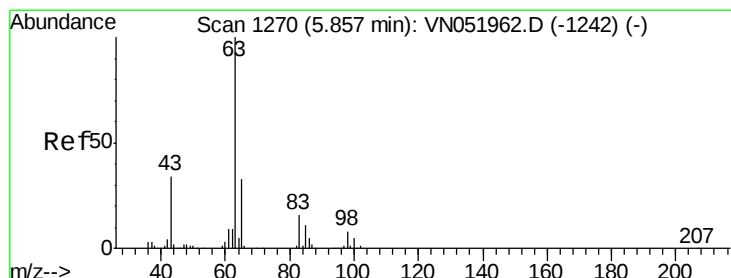
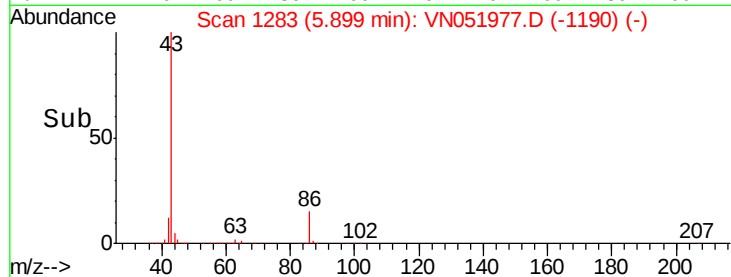
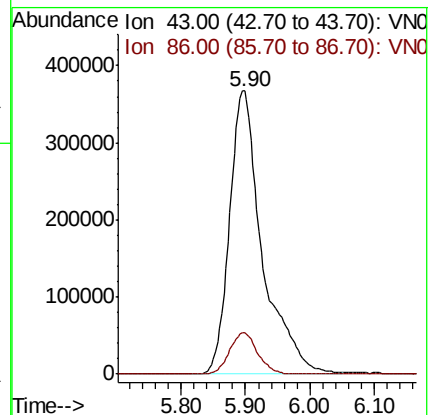
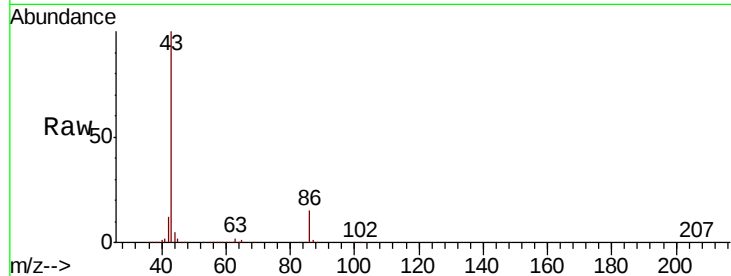
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 1302274

Ion Ratio Lower Upper

43 100

86 14.7 11.9 17.9



#24

1,1-Dichloroethane

Concen: 19.376 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VN051977.D

Acq: 24 Oct 2018 10:12

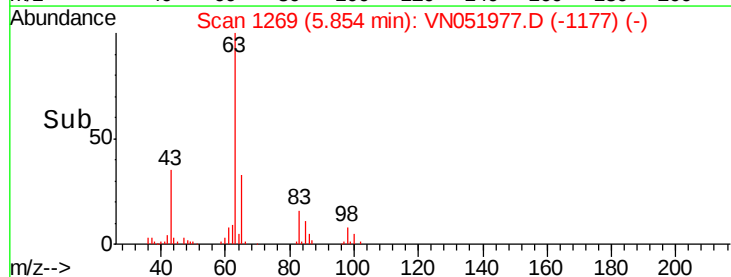
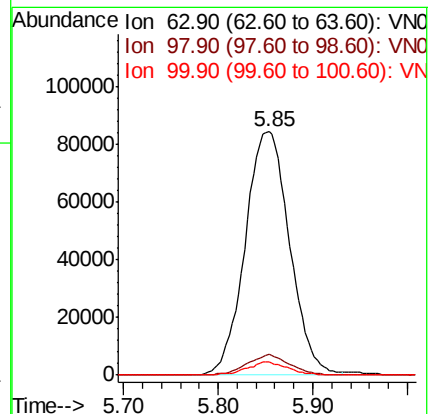
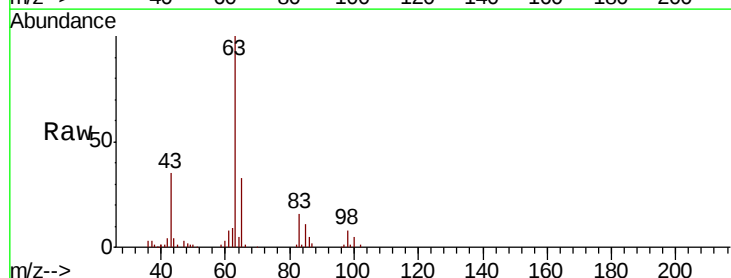
Tgt Ion: 63 Resp: 275374

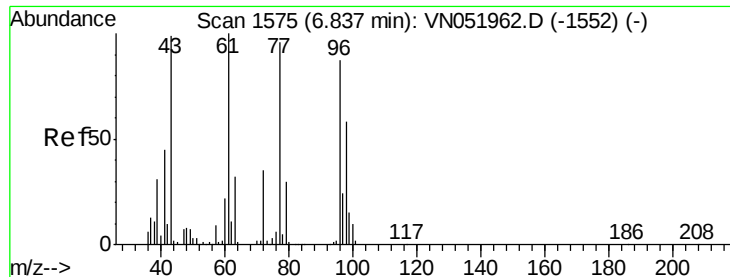
Ion Ratio Lower Upper

63 100

98 8.3 3.9 11.7

100 5.4 2.6 8.0





#25

2-Butanone

Concen: 98.322 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN051977.D

Acq: 24 Oct 2018 10:12

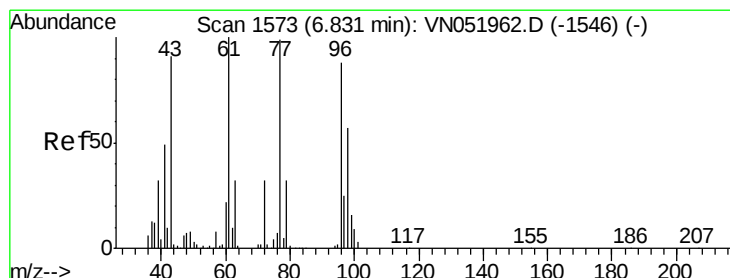
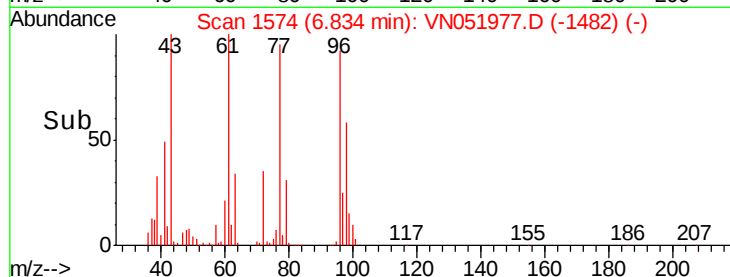
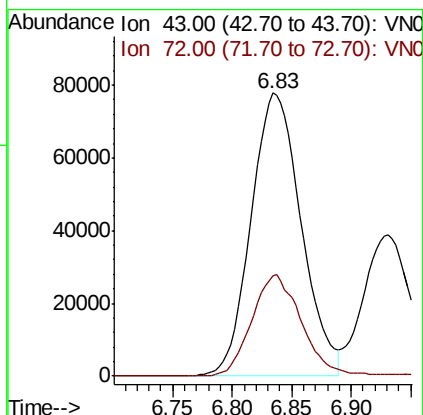
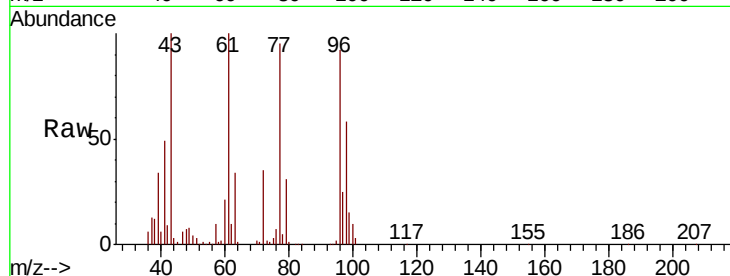
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 225893

Ion Ratio Lower Upper

43 100

72 35.4 28.5 42.7



#26

2,2-Dichloropropane

Concen: 19.505 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN051977.D

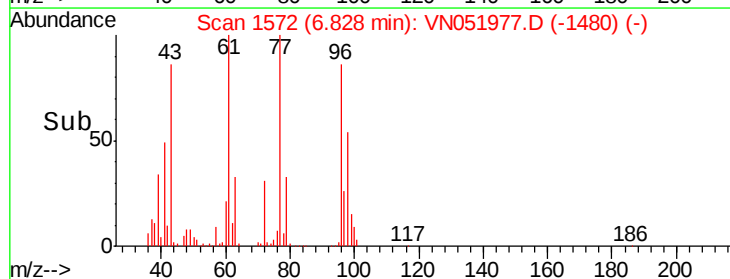
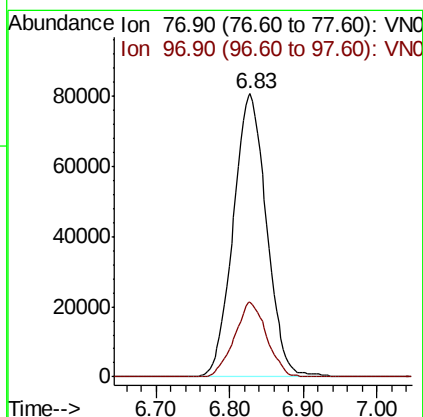
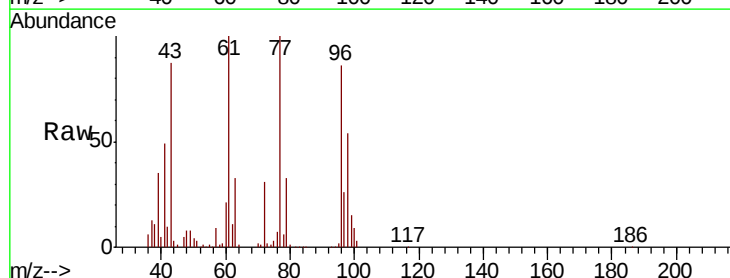
Acq: 24 Oct 2018 10:12

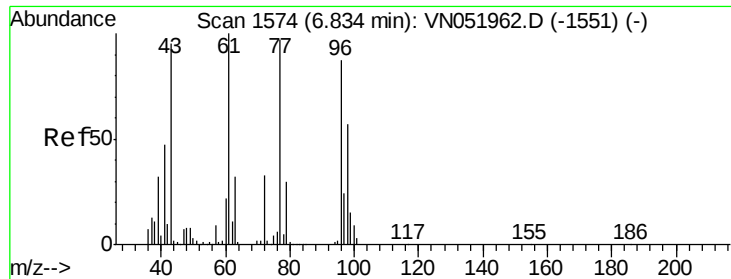
Tgt Ion: 77 Resp: 253617

Ion Ratio Lower Upper

77 100

97 25.6 12.6 37.6





#27

cis-1,2-Dichloroethene

Concen: 19.915 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN051977.D

Acq: 24 Oct 2018 10:12

Instrument :
MSVOA_N
ClientSampleId :

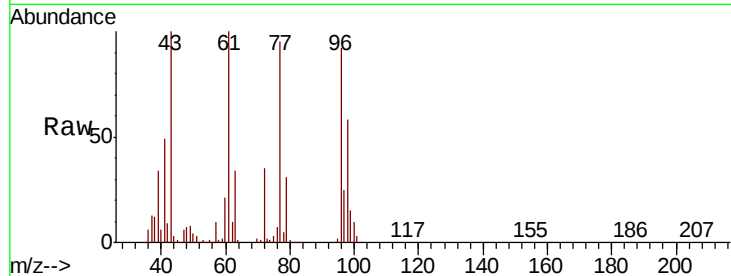
Tot Ion: 96 Resp: 211860

Ion Ratio Lower Upper

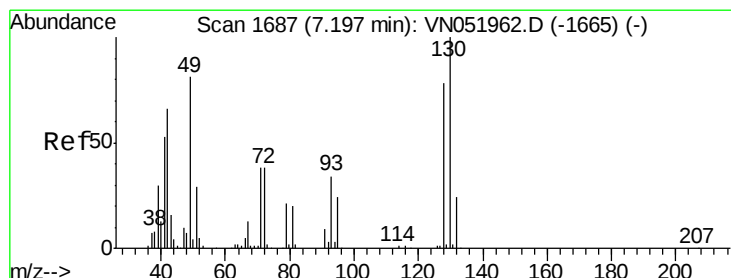
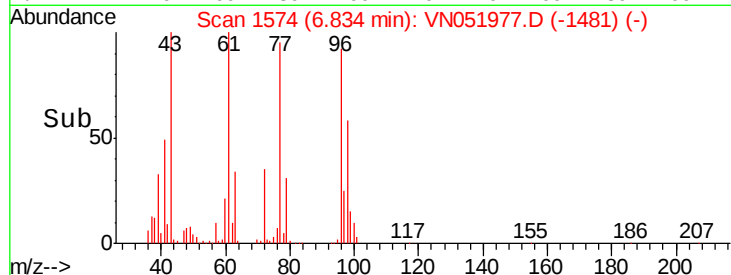
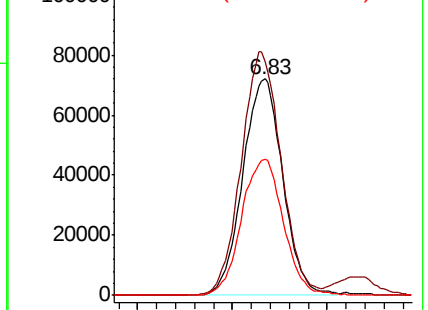
96 100

61 112.5 0.0 234.4

98 65.6 0.0 131.6



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 19.934 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN051977.D

Acq: 24 Oct 2018 10:12

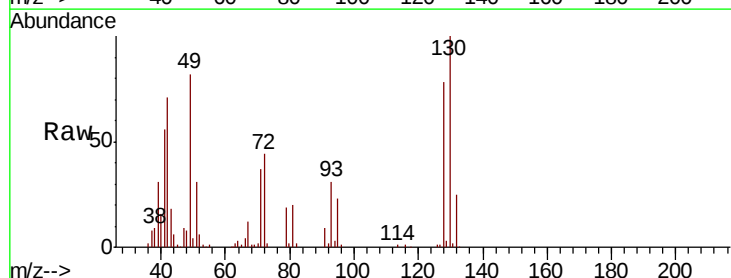
Tgt Ion: 49 Resp: 114179

Ion Ratio Lower Upper

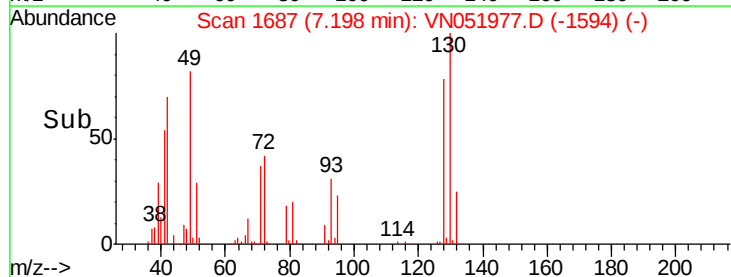
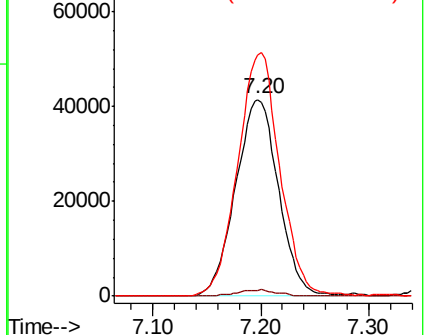
49 100

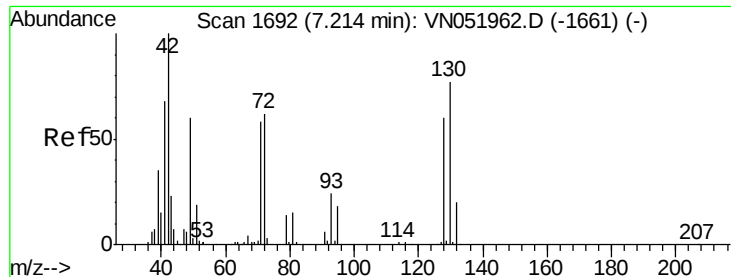
129 1.4 0.0 5.4

130 121.8 97.0 145.6



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

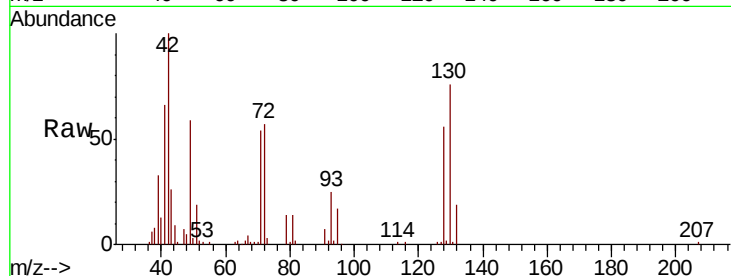




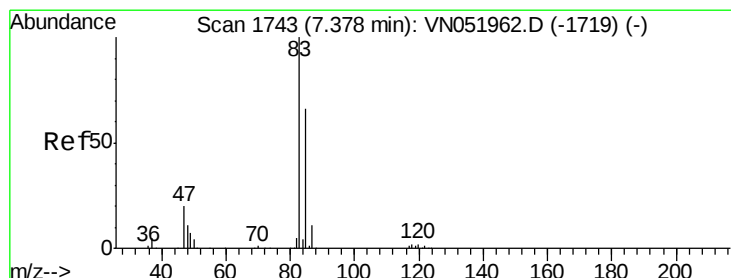
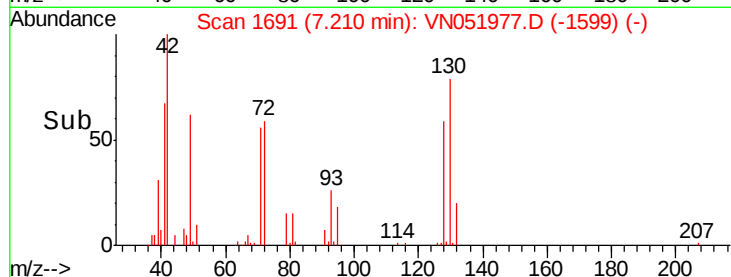
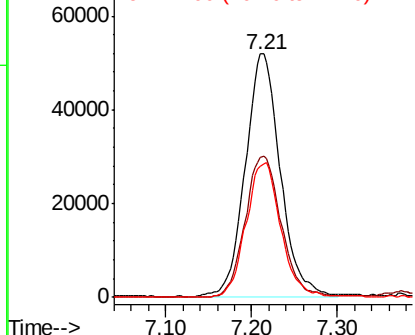
#29
Tetrahydrofuran
Concen: 95.134 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN051977.D
Acq: 24 Oct 2018 10:12

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 148087
Ion Ratio Lower Upper
42 100
72 59.3 47.5 71.3
71 54.6 45.4 68.2

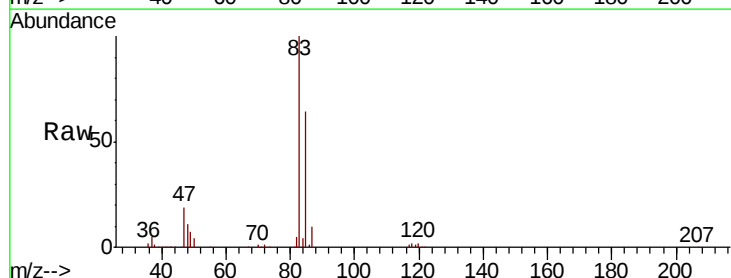


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

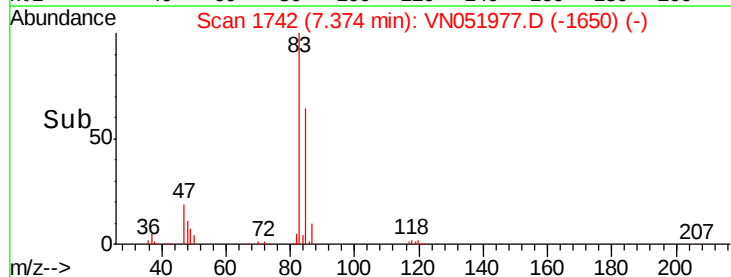
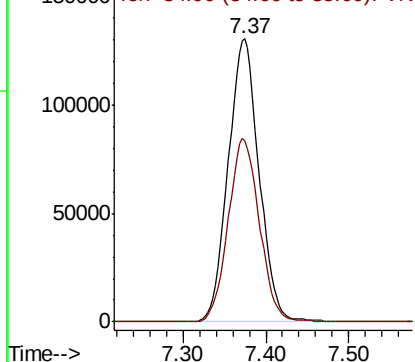


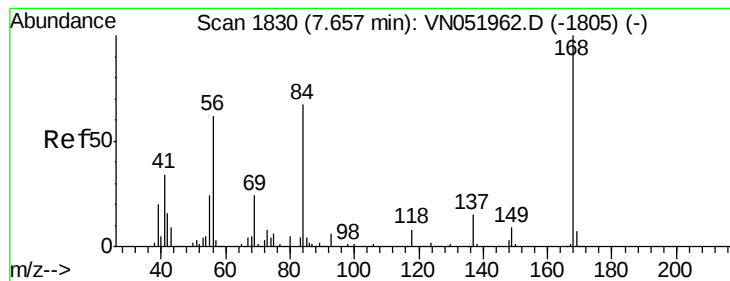
#30
Chloroform
Concen: 19.497 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN051977.D
Acq: 24 Oct 2018 10:12

Tgt Ion: 83 Resp: 338346
Ion Ratio Lower Upper
83 100
85 64.0 52.8 79.2



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 18.965 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN051977.D

Acq: 24 Oct 2018 10:12

Instrument :
MSVOA_N
ClientSampled :

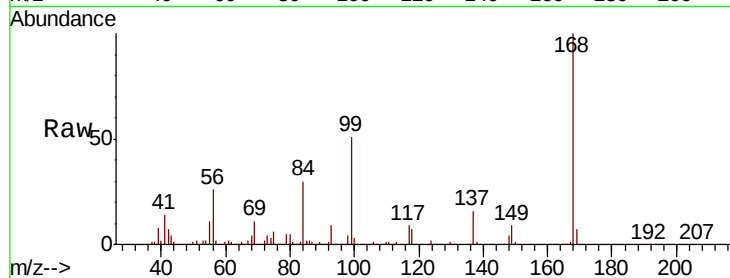
Tot Ion: 56 Resp: 235011

Ion Ratio Lower Upper

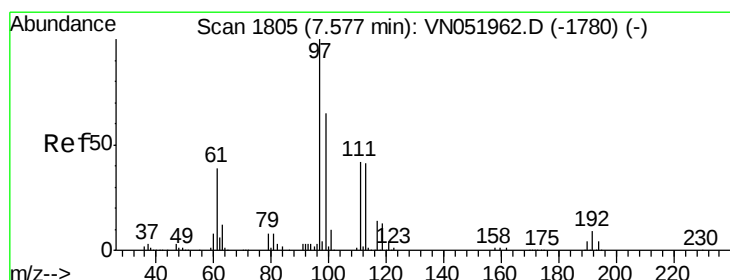
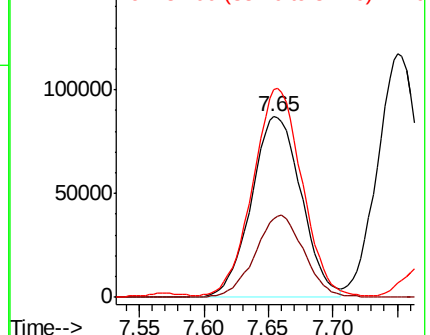
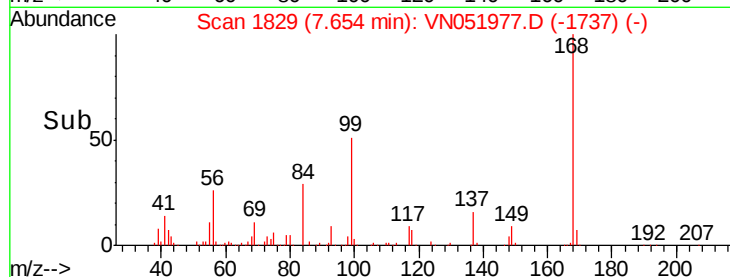
56 100

69 43.8 31.2 46.8

84 114.0 86.3 129.5



Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 19.571 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN051977.D

Acq: 24 Oct 2018 10:12

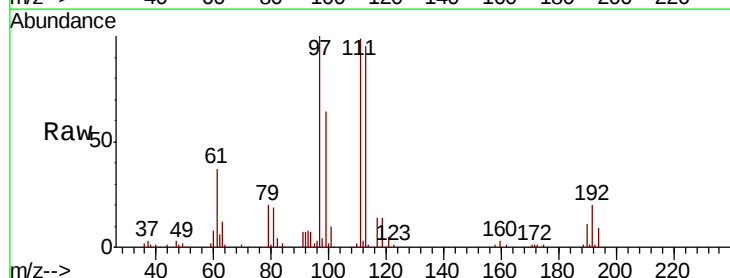
Tgt Ion: 97 Resp: 310566

Ion Ratio Lower Upper

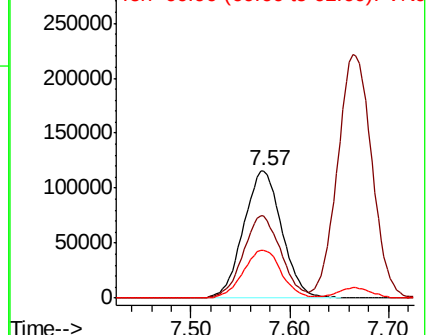
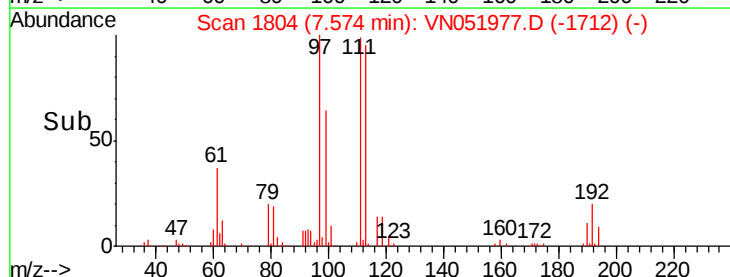
97 100

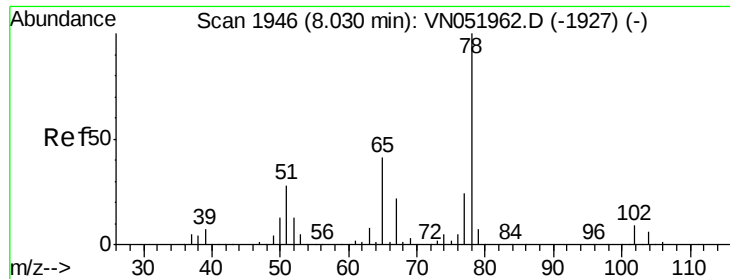
99 63.6 51.5 77.3

61 37.4 30.1 45.1



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

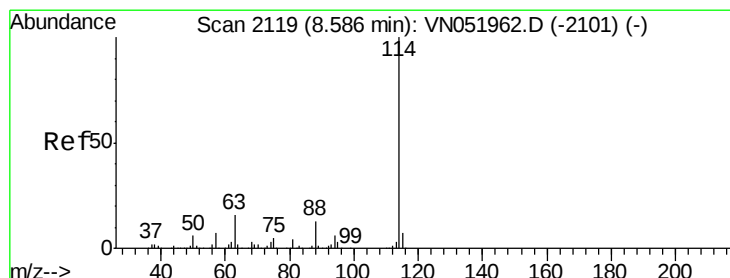
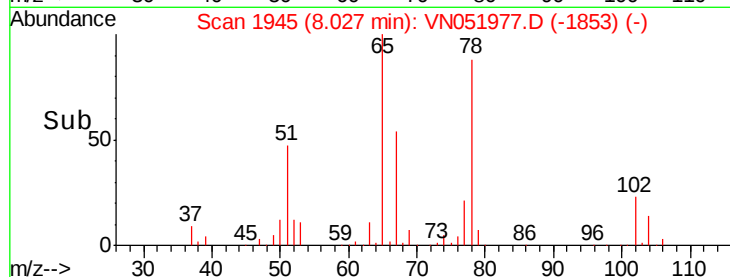
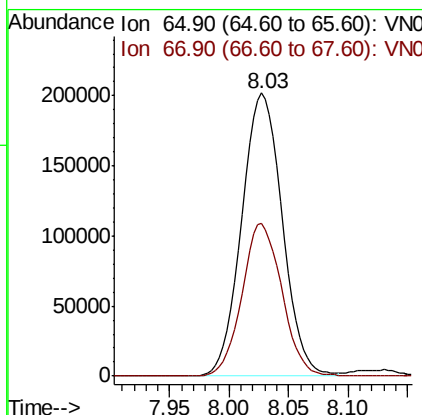
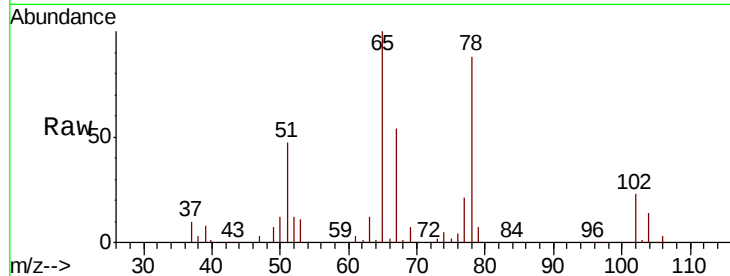




#33
 1,2-Dichloroethane-d4
 Concen: 19.571 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051977.D
 Acq: 24 Oct 2018 10:12

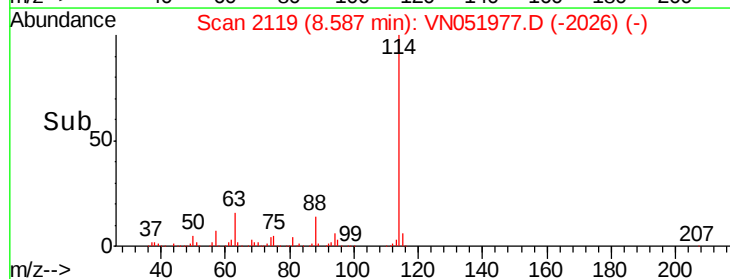
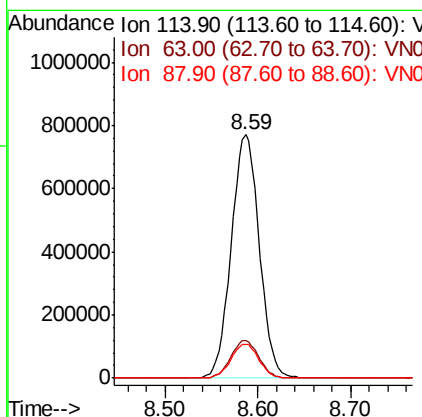
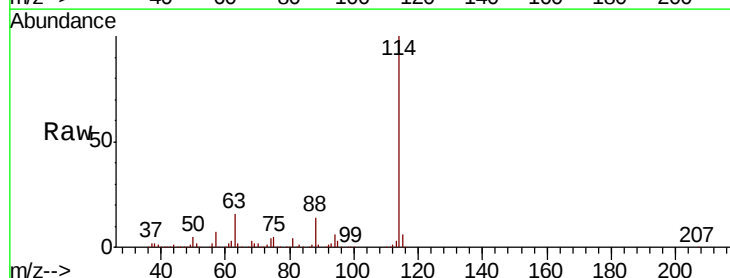
Instrument :
 MSVOA_N
 ClientSampled :

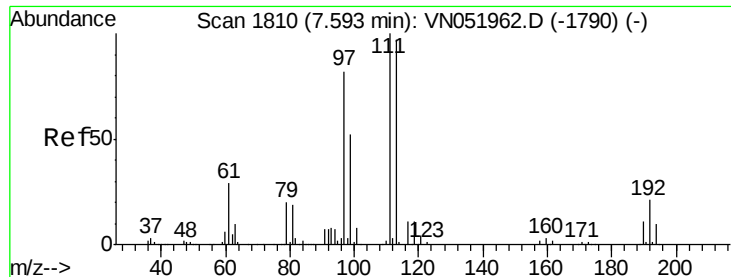
Tot Ion: 65 Resp: 478899
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051977.D
 Acq: 24 Oct 2018 10:12

Tgt Ion: 114 Resp: 1613561
 Ion Ratio Lower Upper
 114 100
 63 15.7 0.0 31.2
 88 14.0 0.0 27.0

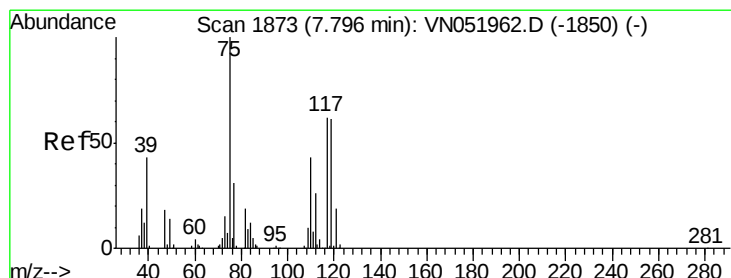
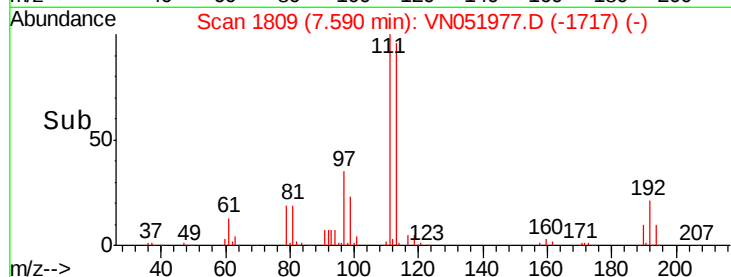
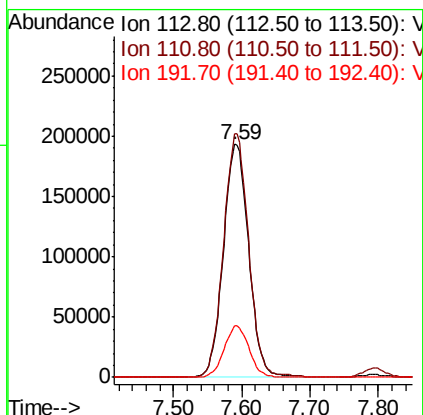
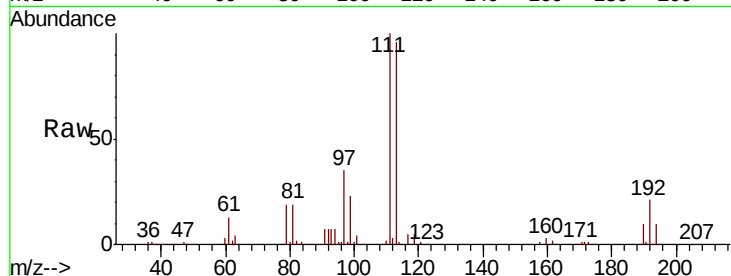




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN051977.D
Acq: 24 Oct 2018 10:12

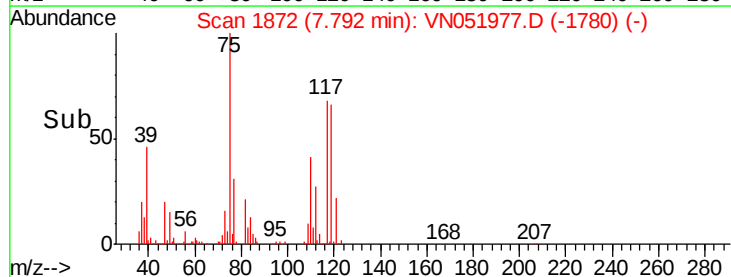
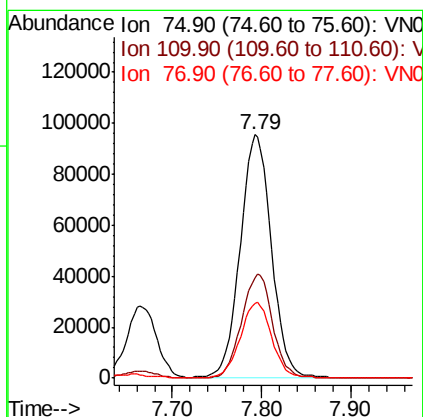
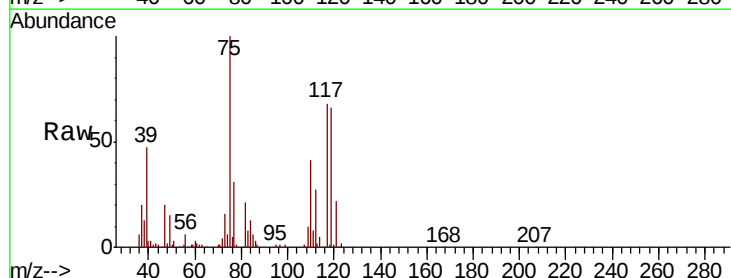
Instrument :
MSVOA_N
ClientSampled :

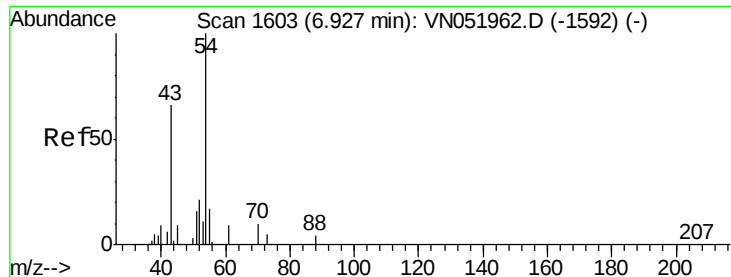
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	80.7	121.1
192	21.7	17.2	25.8



#36
1,1-Dichloropropene
Concen: 18.749 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. -0.00 min
Lab File: VN051977.D
Acq: 24 Oct 2018 10:12

Tgt Ion	Ratio	Lower	Upper
75	100		
110	42.6	20.9	62.8
77	31.5	24.9	37.3

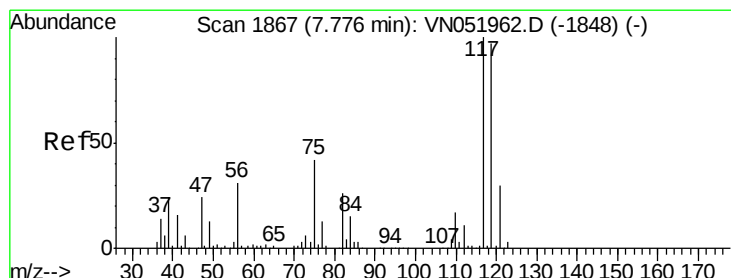
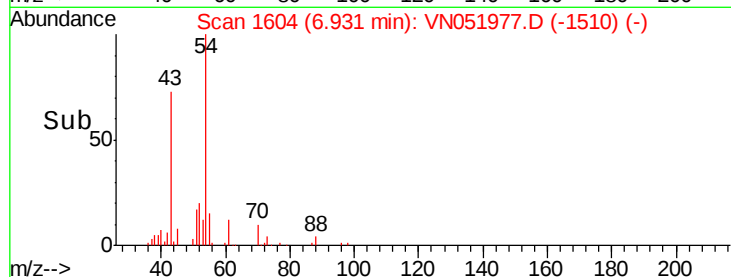
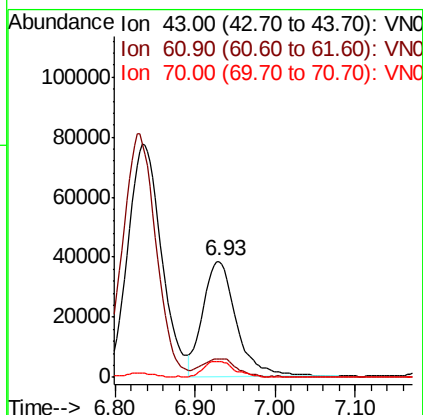
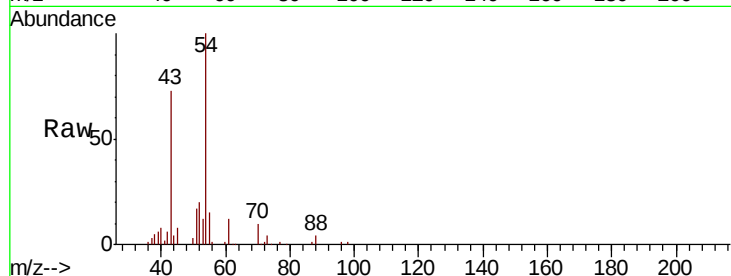




#37
Ethyl Acetate
Concen: 18.876 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN051977.D
Acq: 24 Oct 2018 10:12

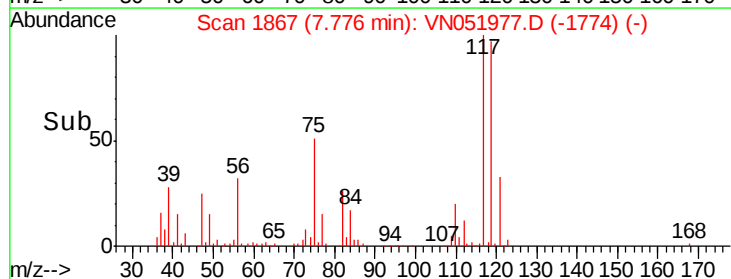
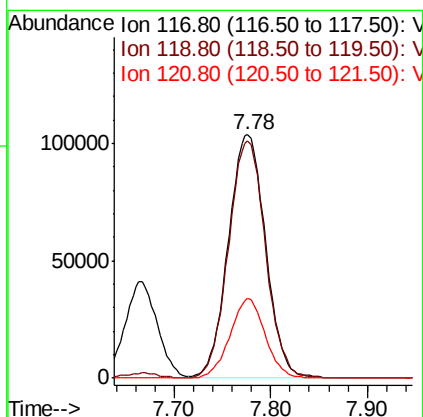
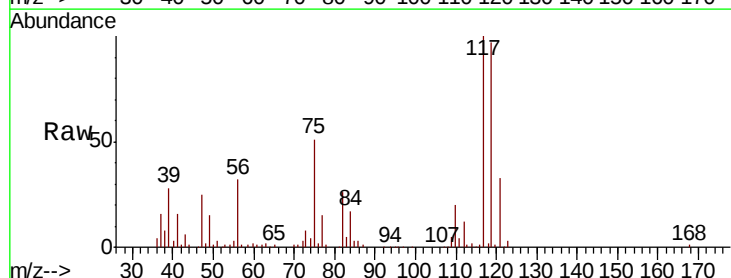
Instrument :
MSVOA_N
ClientSampled :

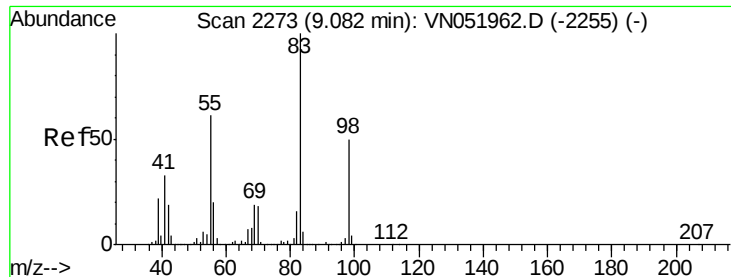
Tot Ion: 43 Resp: 110989
Ion Ratio Lower Upper
43 100
61 16.2 13.5 20.3
70 13.4 9.8 14.6



#38
Carbon Tetrachloride
Concen: 19.445 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051977.D
Acq: 24 Oct 2018 10:12

Tgt Ion: 117 Resp: 276307
Ion Ratio Lower Upper
117 100
119 97.5 77.4 116.0
121 32.9 24.2 36.4

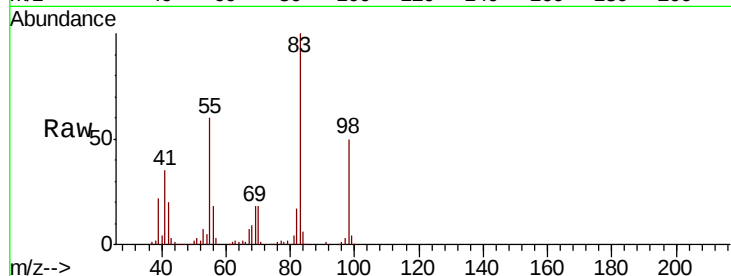




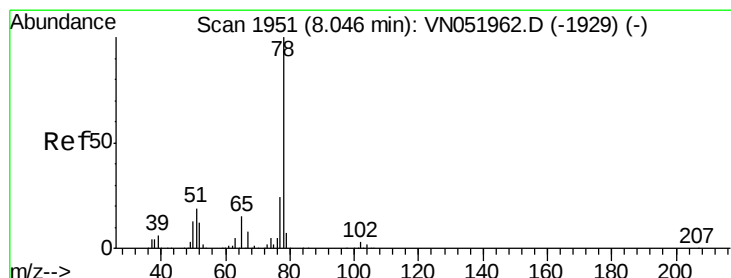
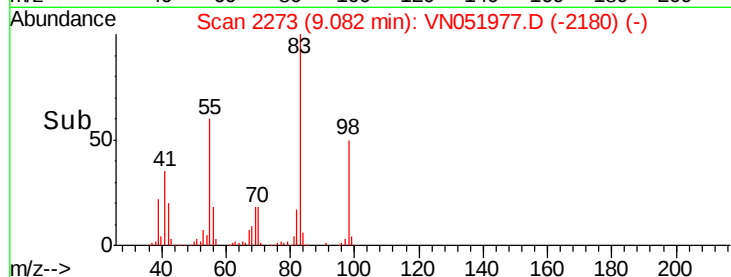
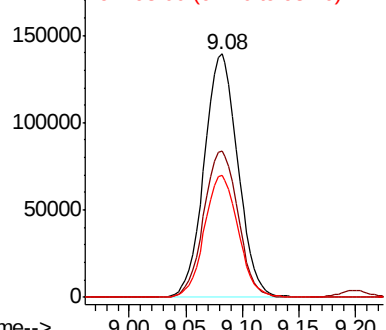
#39
Methvlcvclohexane
Concen: 19.180 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN051977.D
Acq: 24 Oct 2018 10:12

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	83	Resp	289959
Ion Ratio	Lower	Upper	
83	100		
55	60.0	48.9	73.3
98	49.9	40.2	60.2

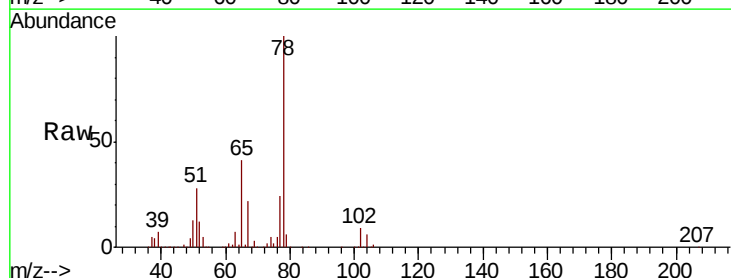


Abundance Ion 83.00 (82.70 to 83.70): VN051962.D (-2255) (-)

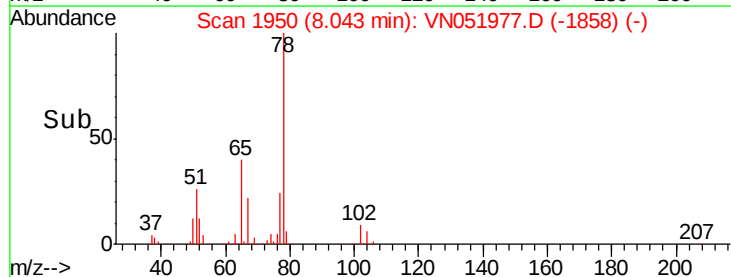
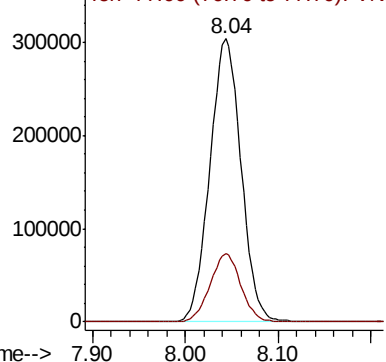


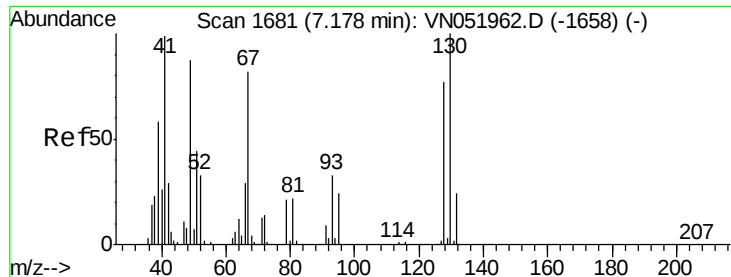
#40
Benzene
Concen: 19.362 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051977.D
Acq: 24 Oct 2018 10:12

Tgt Ion	78	Resp	711541
Ion Ratio	Lower	Upper	
78	100		
77	24.0	19.4	29.0



Abundance Ion 78.00 (77.70 to 78.70): VN051962.D (-1929) (-)





#41

Methacrylonitrile

Concen: 19.331 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. -0.01 min

Lab File: VN051977.D

Acq: 24 Oct 2018 10:12

Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 41 Resp: 53767

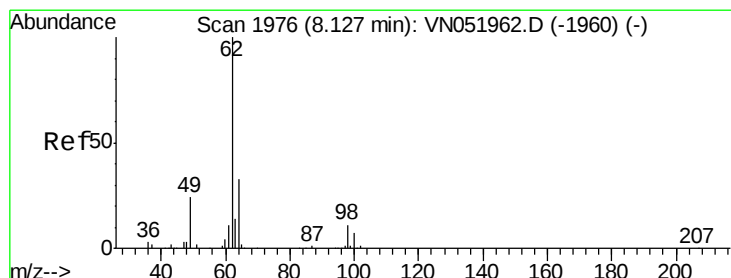
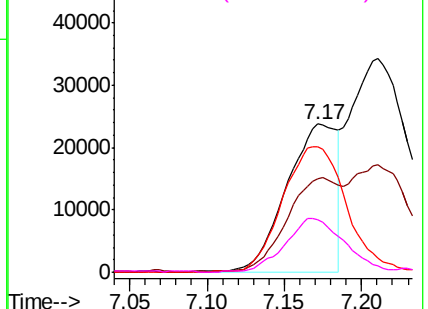
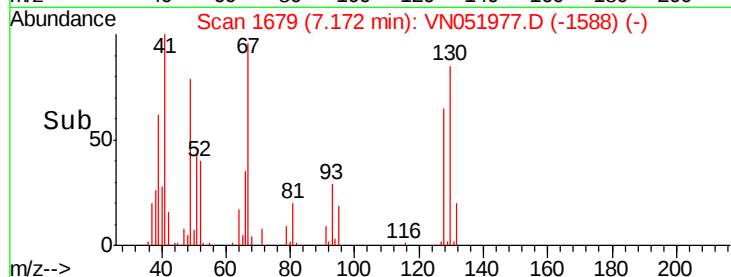
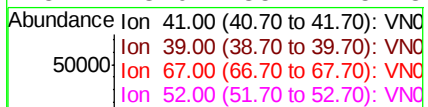
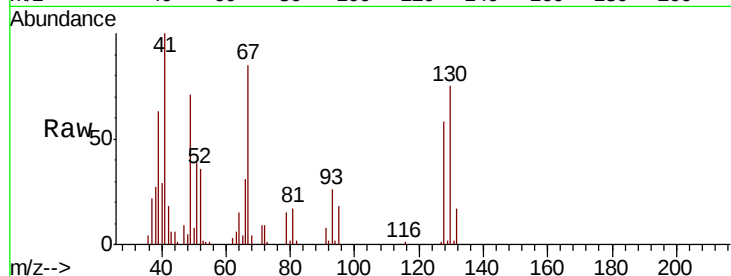
Ion Ratio Lower Upper

41 100

39 68.2 53.1 79.7

67 105.0 93.8 140.6

52 43.0 35.2 52.8



#42

1,2-Dichloroethane

Concen: 19.203 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN051977.D

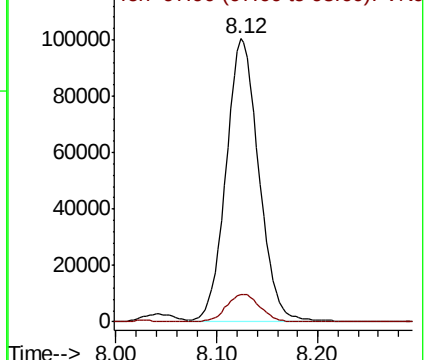
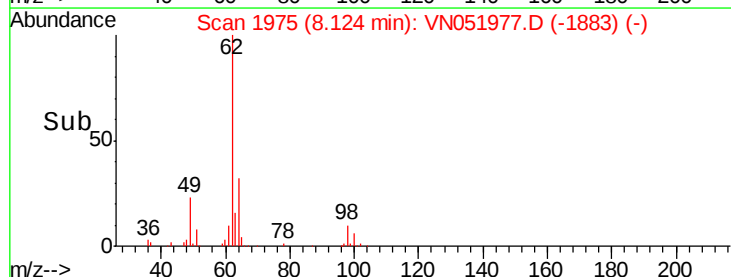
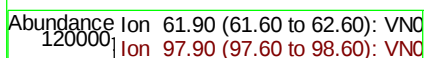
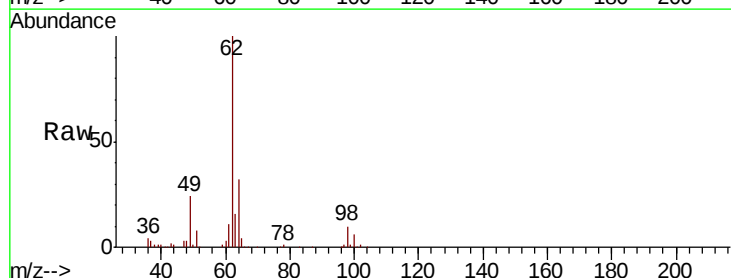
Acq: 24 Oct 2018 10:12

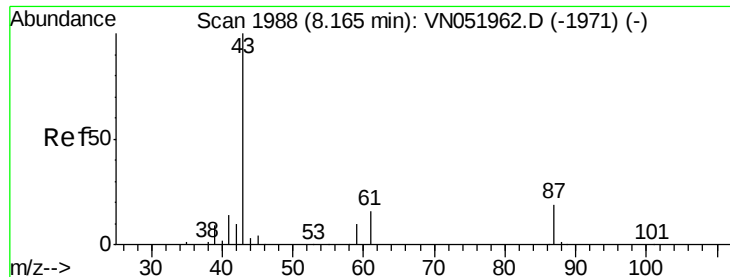
Tgt Ion: 62 Resp: 226270

Ion Ratio Lower Upper

62 100

98 10.1 0.0 20.6





#43

Isopropyl Acetate

Concen: 19.373 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN051977.D

Acq: 24 Oct 2018 10:12

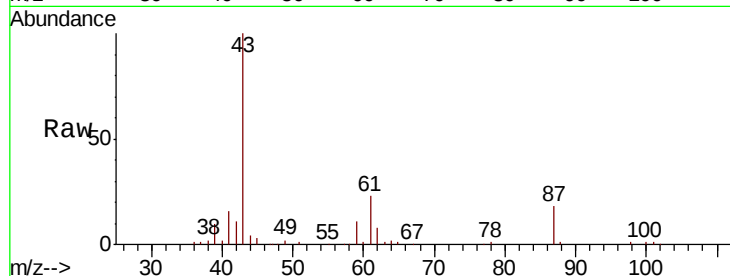
Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 43 Resp: 200818

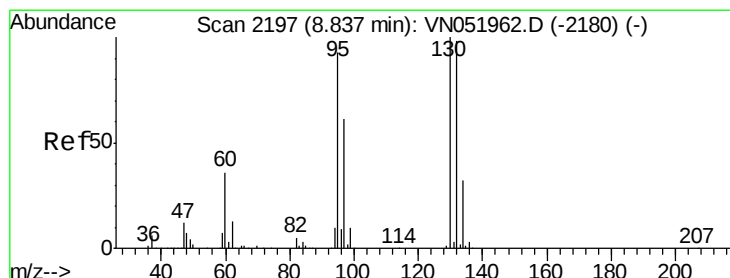
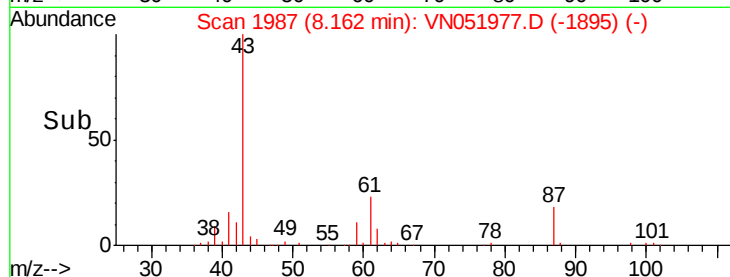
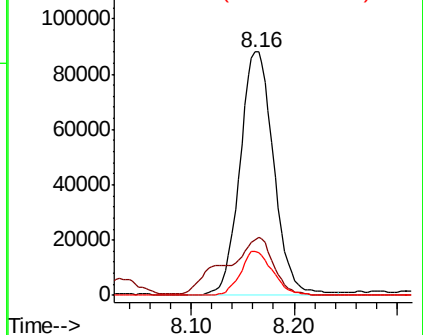
Ion	Ratio	Lower	Upper
43	100		
61	34.1	17.2	25.8#
87	17.4	15.2	22.8



Abundance Ion 43.00 (42.70 to 43.70): VN051962.D (-1971) (-)

Ion 61.00 (60.70 to 61.70): VN051962.D (-1971) (-)

Ion 87.00 (86.70 to 87.70): VN051962.D (-1971) (-)



#44

Trichloroethene

Concen: 19.235 ug/l

RT: 8.84 min Scan# 2197

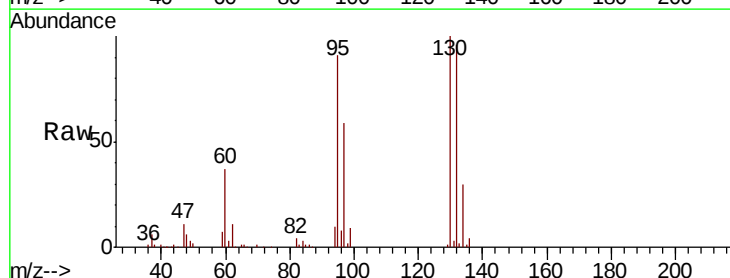
Delta R.T. 0.00 min

Lab File: VN051977.D

Acq: 24 Oct 2018 10:12

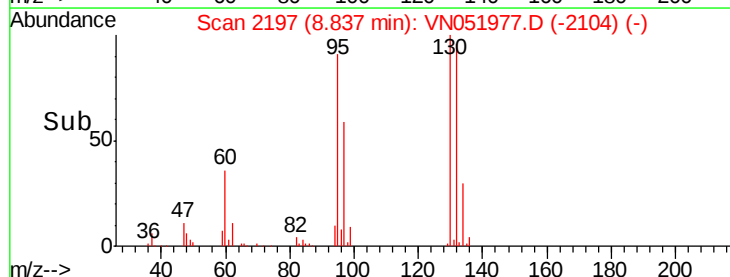
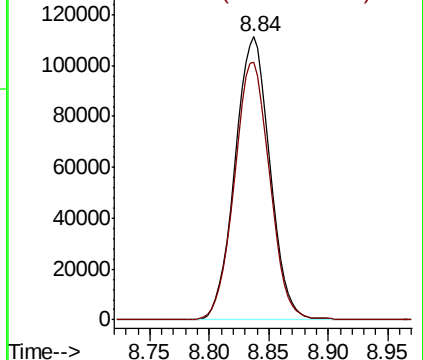
Tgt Ion:130 Resp: 226895

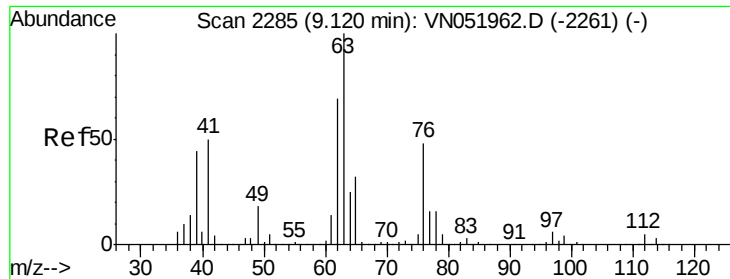
Ion	Ratio	Lower	Upper
130	100		
95	91.1	0.0	185.2



Abundance Ion 129.80 (129.50 to 130.50): VN051962.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN051962.D (-2180) (-)





#45

1,2-Dichloropropane

Concen: 19.515 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN051977.D

Acq: 24 Oct 2018 10:12

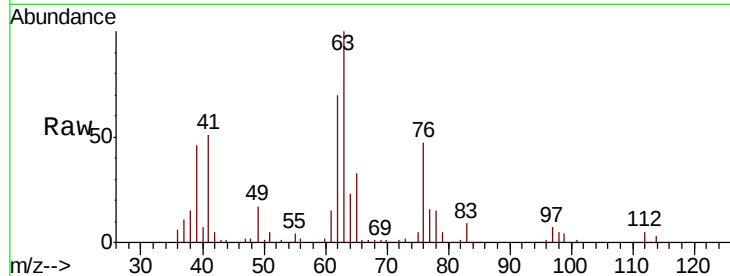
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 63 Resp: 162232

Ion Ratio Lower Upper

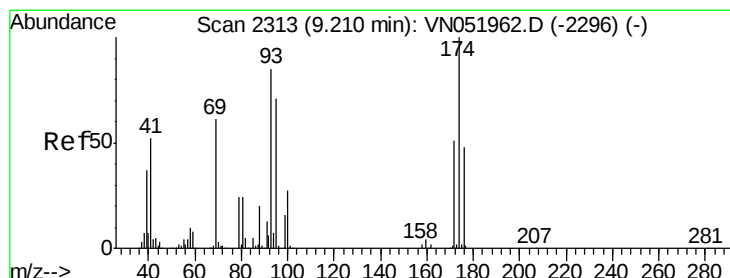
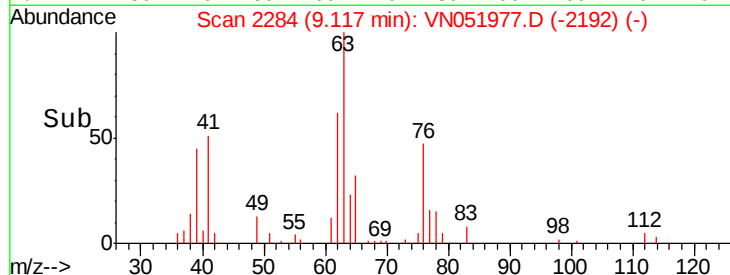
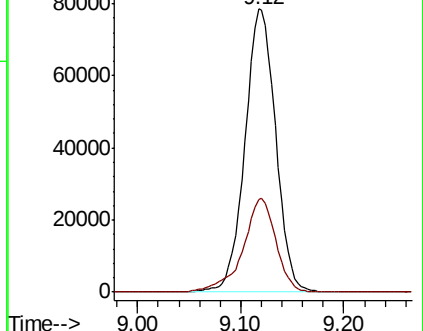
63 100

65 32.8 25.8 38.6



Abundance Ion 62.90 (62.60 to 63.60): VN051962.D (-2261) (-)

Ion 64.90 (64.60 to 65.60): VN051962.D (-2261) (-)



#46

Dibromomethane

Concen: 19.787 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN051977.D

Acq: 24 Oct 2018 10:12

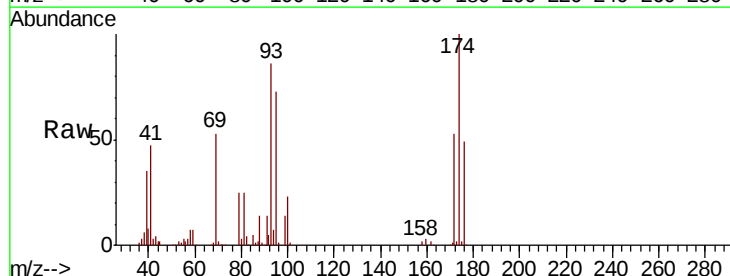
Tgt Ion: 93 Resp: 132604

Ion Ratio Lower Upper

93 100

95 81.6 66.7 100.1

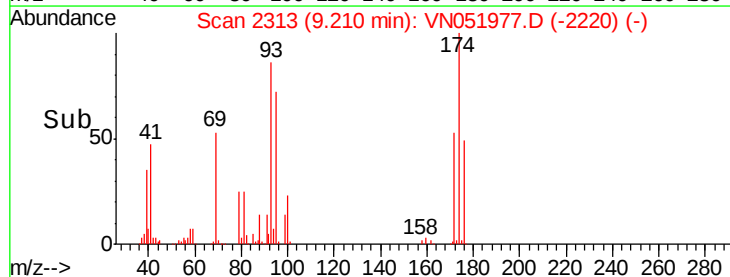
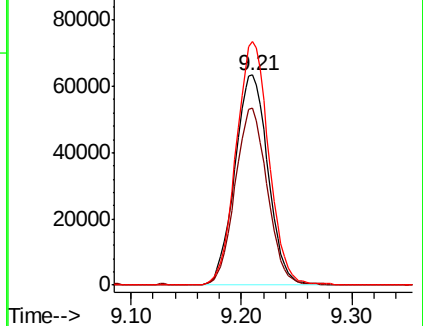
174 114.0 93.8 140.6

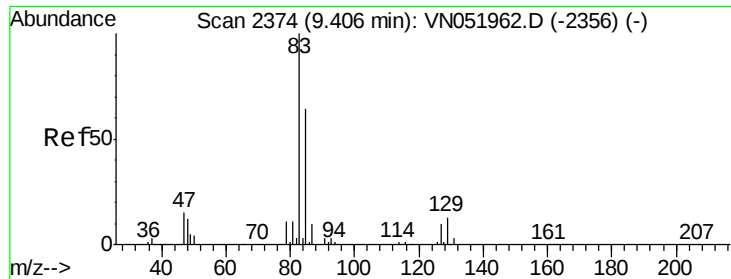


Abundance Ion 92.80 (92.50 to 93.50): VN051962.D (-2296) (-)

Ion 94.80 (94.50 to 95.50): VN051962.D (-2296) (-)

Ion 173.70 (173.40 to 174.40): VN051962.D (-2296) (-)





#47

Bromodichloromethane

Concen: 19.386 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051977.D

Acq: 24 Oct 2018 10:12

Instrument :

MSVOA_N

ClientSampleId :

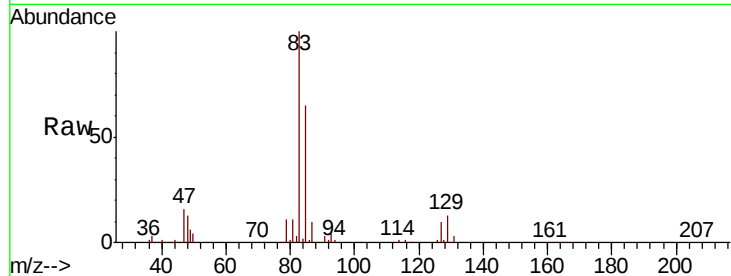
Tot Ion: 83 Resp: 245353

Ion Ratio Lower Upper

83 100

85 64.9 51.0 76.4

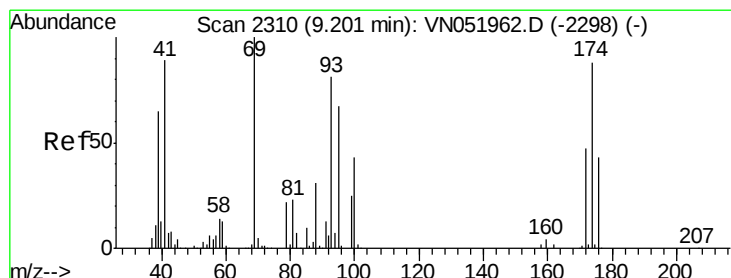
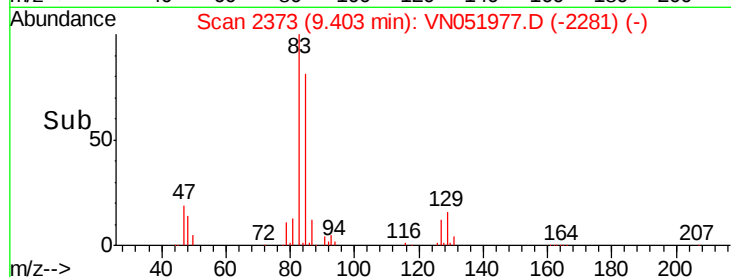
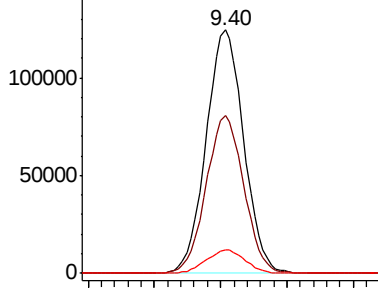
127 9.5 7.8 11.8



Abundance Ion 82.90 (82.60 to 83.60): VN051962.D (-2356) (-)

Ion 84.90 (84.60 to 85.60): VN051962.D (-2356) (-)

Ion 126.80 (126.50 to 127.50): VN051962.D (-2356) (-)



#48

Methyl methacrylate

Concen: 18.809 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN051977.D

Acq: 24 Oct 2018 10:12

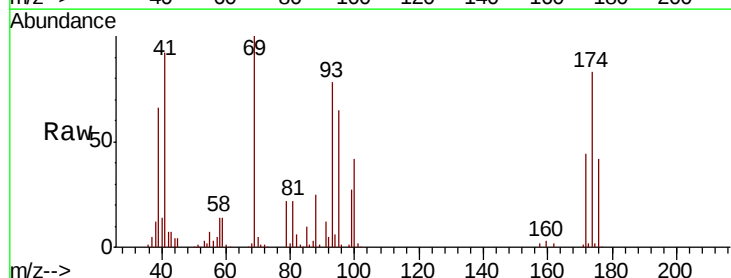
Tgt Ion: 41 Resp: 94237

Ion Ratio Lower Upper

41 100

69 118.6 92.2 138.4

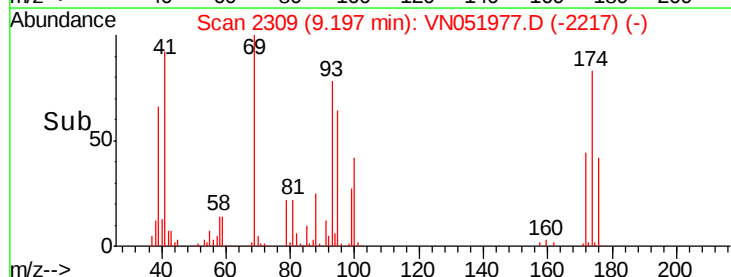
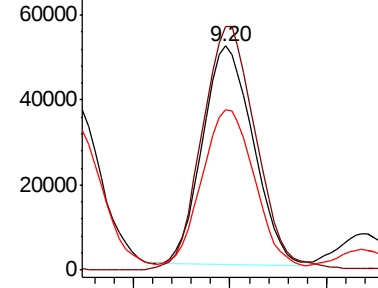
39 77.1 60.2 90.4

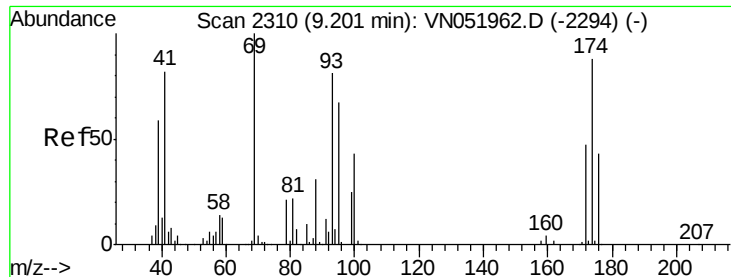


Abundance Ion 41.00 (40.70 to 41.70): VN051962.D (-2298) (-)

Ion 69.00 (68.70 to 69.70): VN051962.D (-2298) (-)

Ion 39.00 (38.70 to 39.70): VN051962.D (-2298) (-)

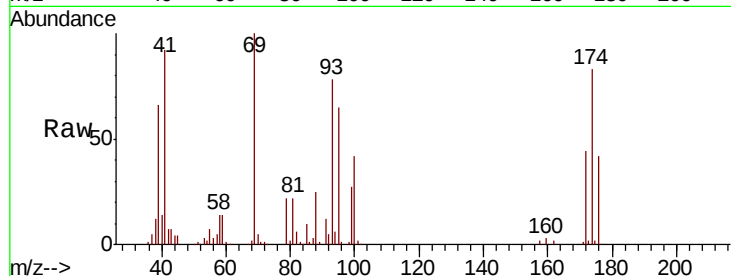




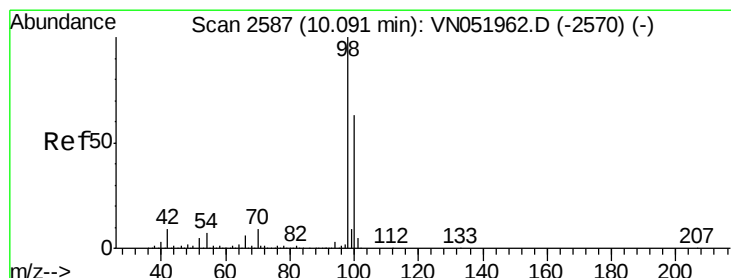
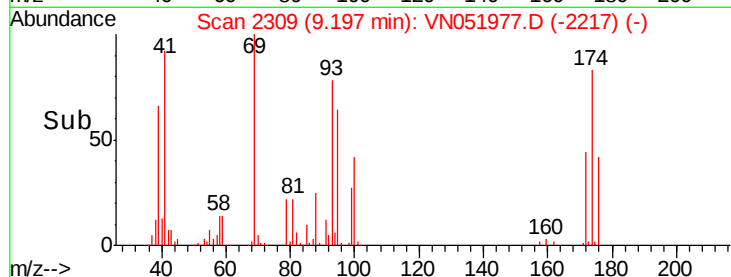
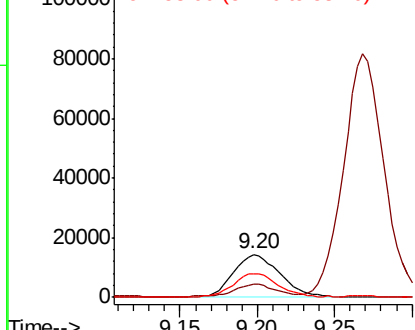
#49
1,4-Dioxane
Concen: 330.147 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN051977.D
Acq: 24 Oct 2018 10:12

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 30331
Ion Ratio Lower Upper
88 100
43 25.7 18.8 28.2
58 53.4 39.8 59.6

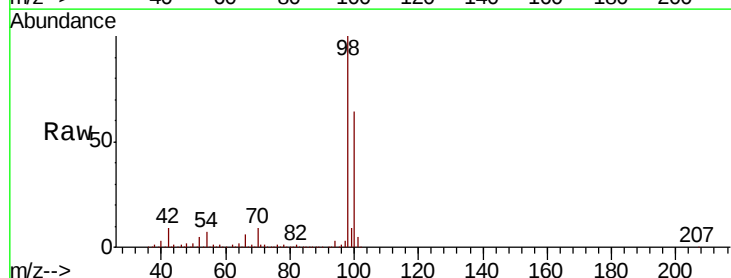


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

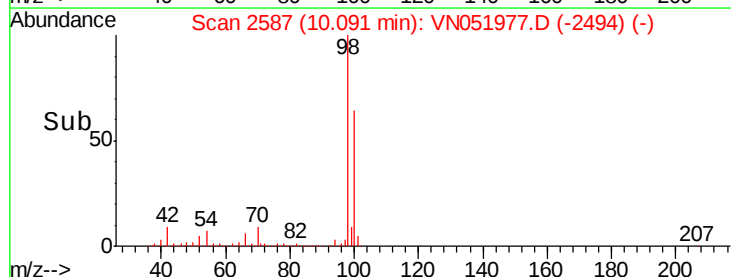
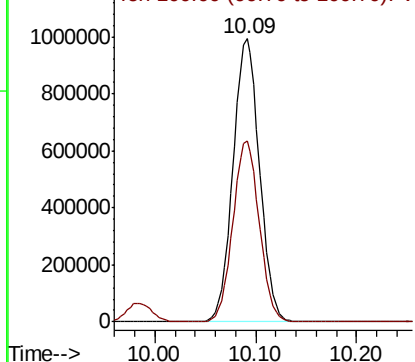


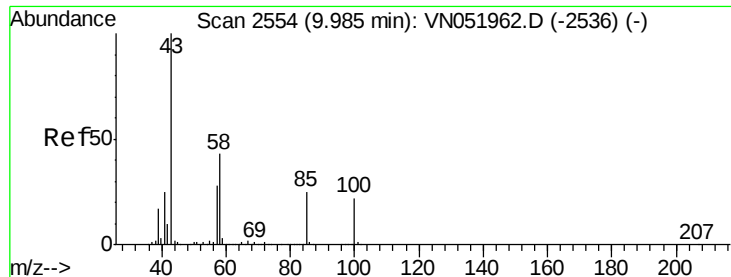
#50
Toluene-d8
Concen: 330.147 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN051977.D
Acq: 24 Oct 2018 10:12

Tgt Ion: 98 Resp: 1809209
Ion Ratio Lower Upper
98 100
100 63.5 50.7 76.1



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





#51

4-Methyl-2-Pentanone

Concen: 96.350 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN051977.D

Acq: 24 Oct 2018 10:12

Instrument :

MSVOA_N

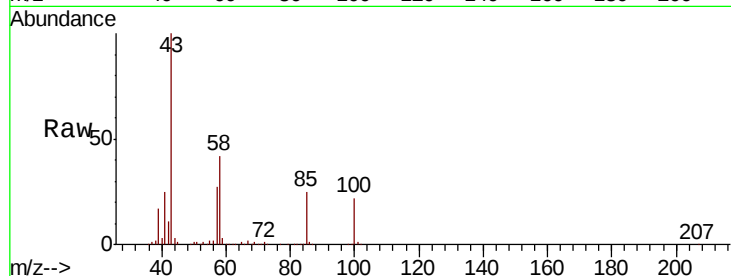
ClientSampleId :

Tot Ion: 43 Resp: 549375

Ion Ratio Lower Upper

43 100

58 42.5 34.8 52.2



Abundance Ion 43.00 (42.70 to 43.70): VN051962.D (-2536) (-)

Ion 58.00 (57.70 to 58.70): VN051962.D (-2536) (-)

9.98

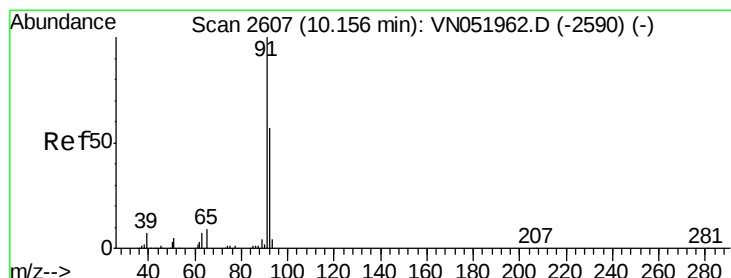
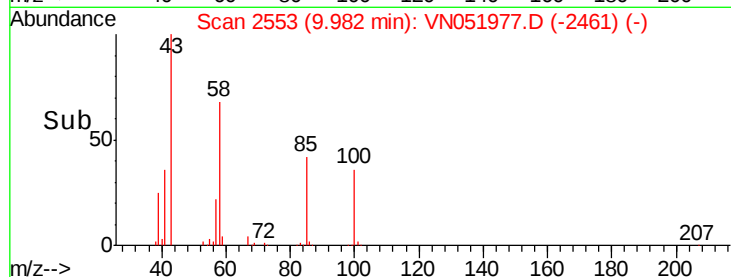
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 19.526 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051977.D

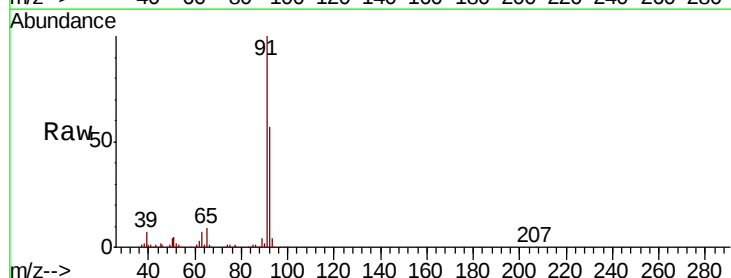
Acq: 24 Oct 2018 10:12

Tgt Ion: 92 Resp: 486609

Ion Ratio Lower Upper

92 100

91 176.7 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VN051962.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN051962.D (-2590) (-)

10.16

500000

400000

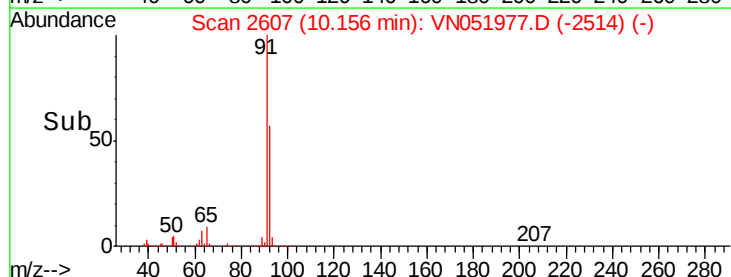
300000

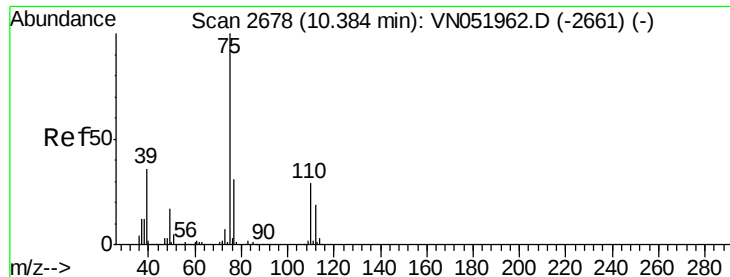
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.549 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN051977.D

Acq: 24 Oct 2018 10:12

Instrument :

MSVOA_N

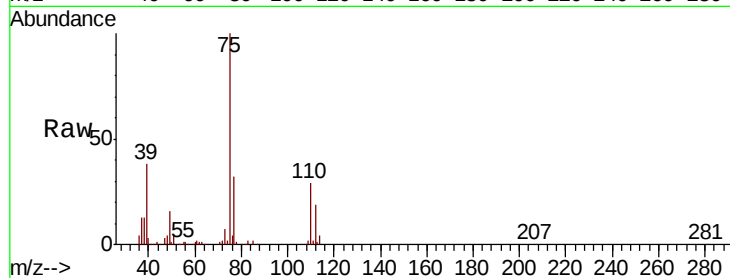
ClientSampled :

Tot Ion: 75 Resp: 229384

Ion Ratio Lower Upper

75 100

77 32.0 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

150000

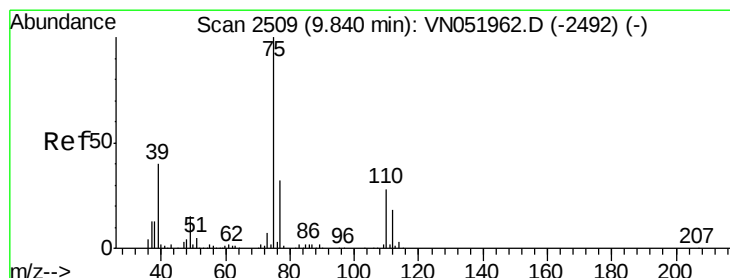
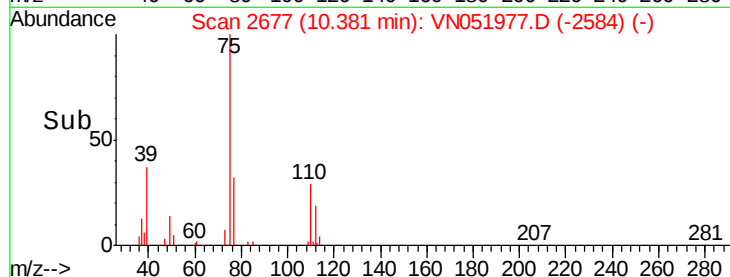
100000

50000

0

Time-->

10.30 10.40 10.50



#54

cis-1,3-Dichloropropene

Concen: 19.842 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN051977.D

Acq: 24 Oct 2018 10:12

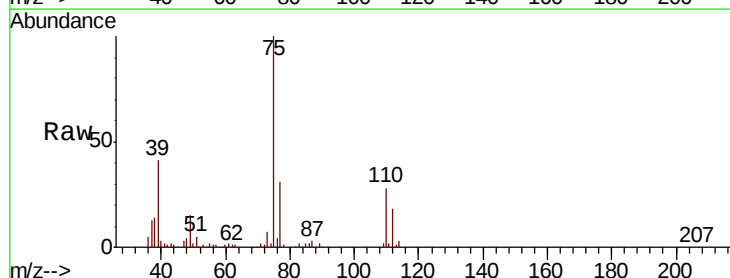
Tgt Ion: 75 Resp: 262477

Ion Ratio Lower Upper

75 100

77 31.4 25.2 37.8

39 40.5 32.0 48.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

150000

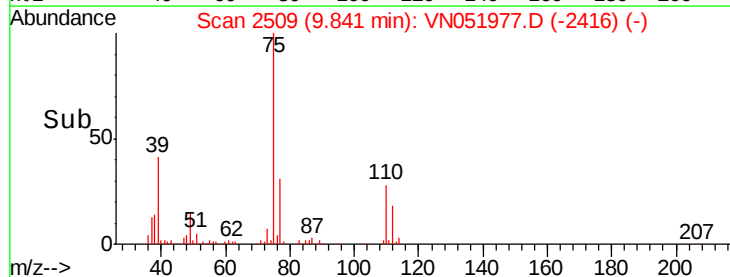
100000

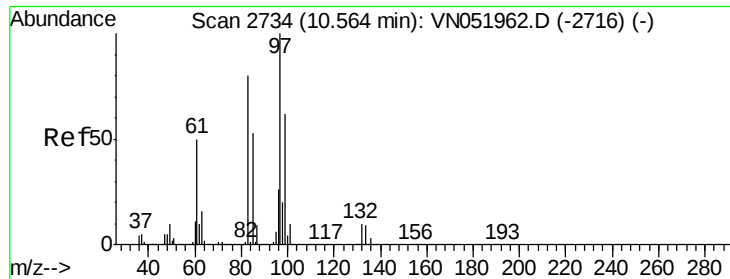
50000

0

Time-->

9.75 9.80 9.85 9.90 9.95

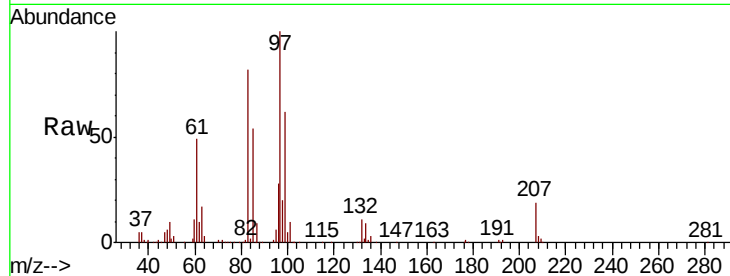




#55
 1,1,2-Trichloroethane
 Concen: 19.295 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN051977.D
 Acq: 24 Oct 2018 10:12

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:	97	Resp:	177664
Ion	Ratio	Lower	Upper
97	100		
83	81.9	64.0	96.0
85	53.9	42.4	63.6
99	62.3	49.4	74.2



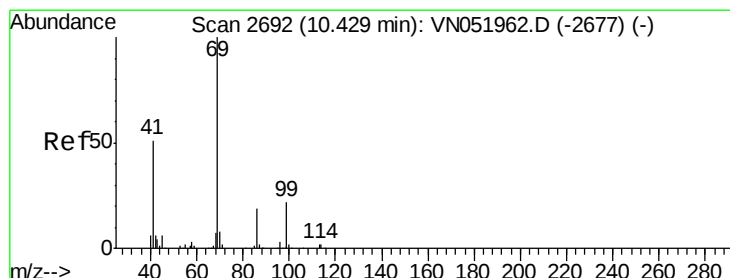
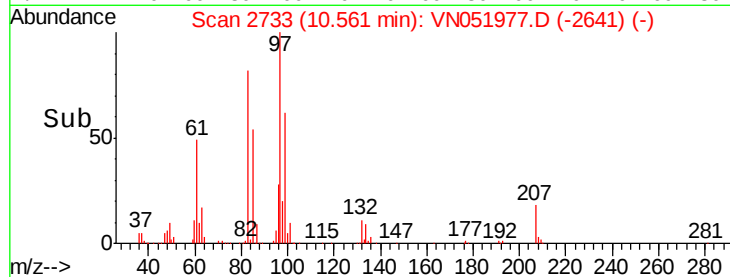
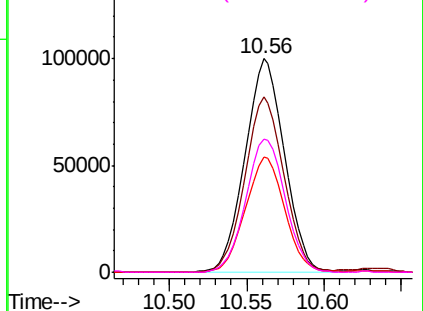
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

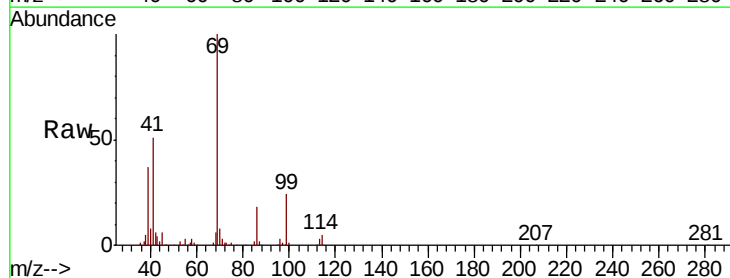
Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56
 Ethyl methacrylate
 Concen: 19.588 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN051977.D
 Acq: 24 Oct 2018 10:12

Tgt Ion:	69	Resp:	193873
Ion	Ratio	Lower	Upper
69	100		
41	49.8	40.7	61.1
39	36.0	29.3	43.9

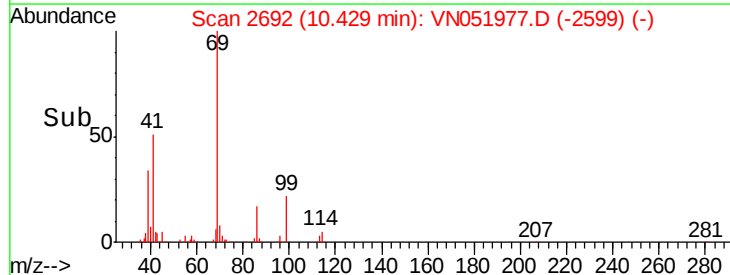
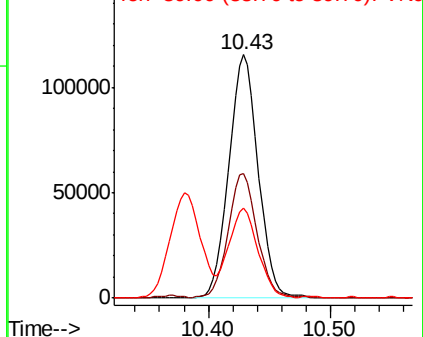


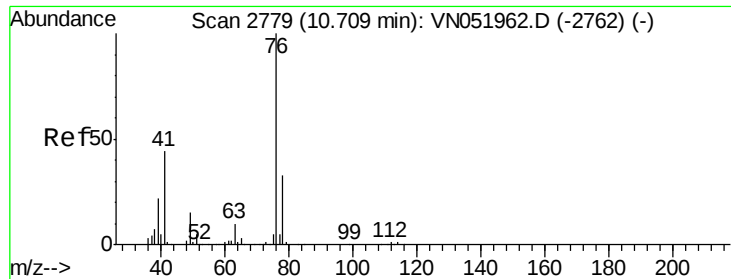
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

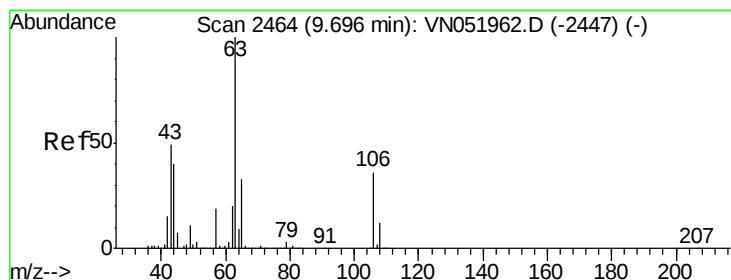
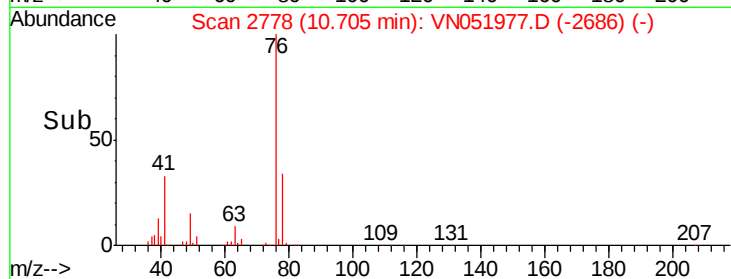
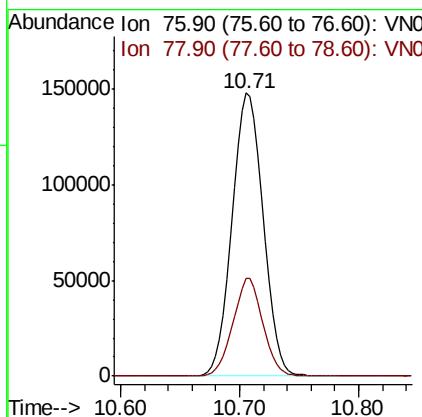
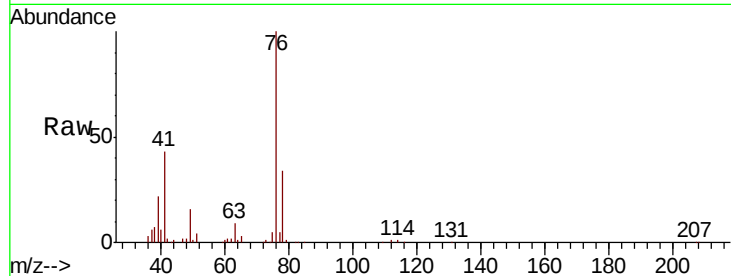




#57
 1,3-Dichloropropane
 Concen: 19.228 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN051977.D
 Acq: 24 Oct 2018 10:12

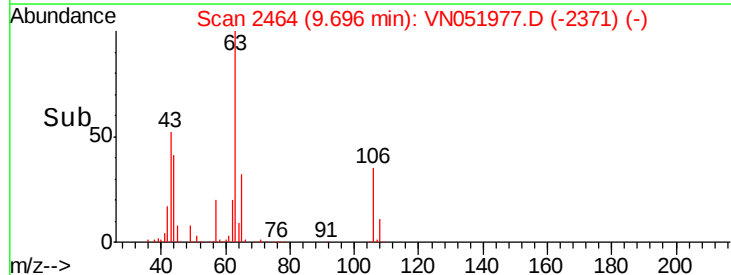
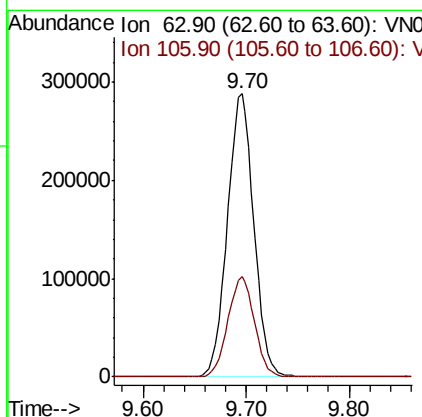
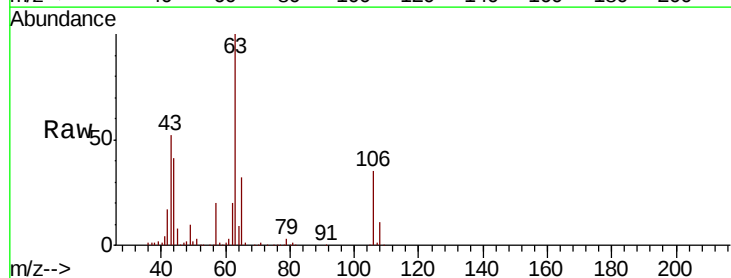
Instrument :
 MSVOA_N
 ClientSampled :

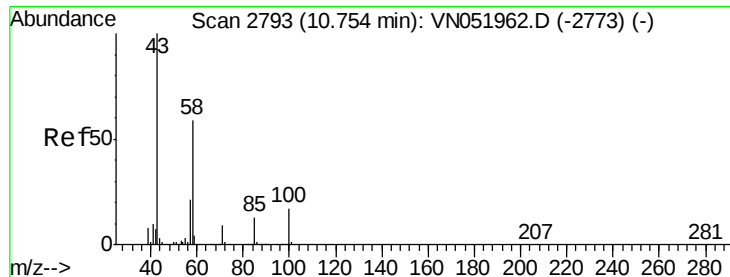
Tot Ion: 76 Resp: 268777
 Ion Ratio Lower Upper
 76 100
 78 33.0 26.4 39.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 99.287 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN051977.D
 Acq: 24 Oct 2018 10:12

Tgt Ion: 63 Resp: 514189
 Ion Ratio Lower Upper
 63 100
 106 35.5 28.3 42.5

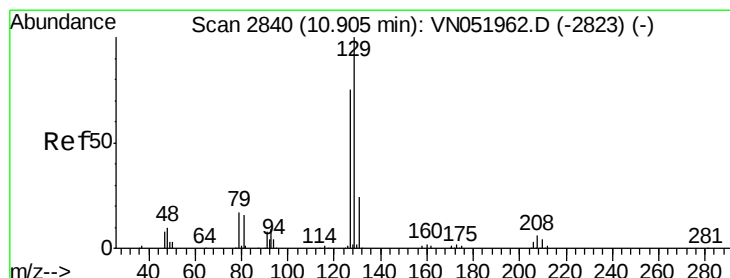
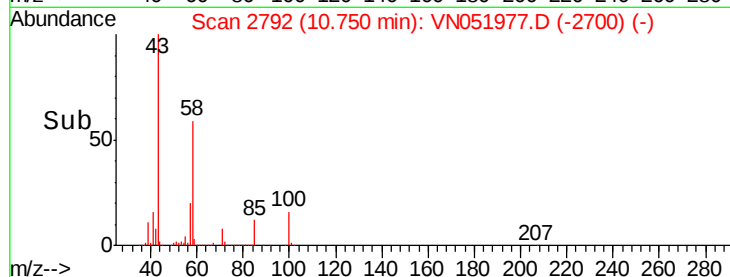
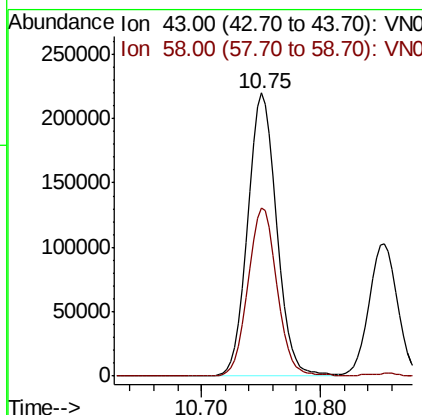
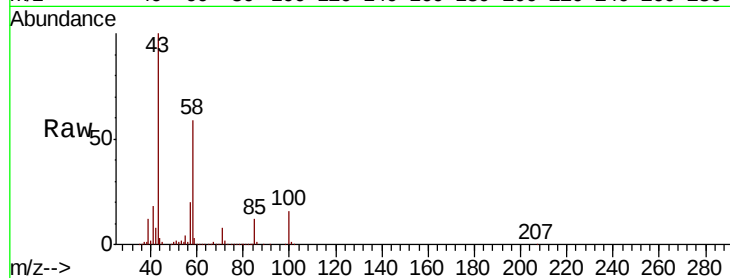




#59
2-Hexanone
Concen: 96.372 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN051977.D
Acq: 24 Oct 2018 10:12

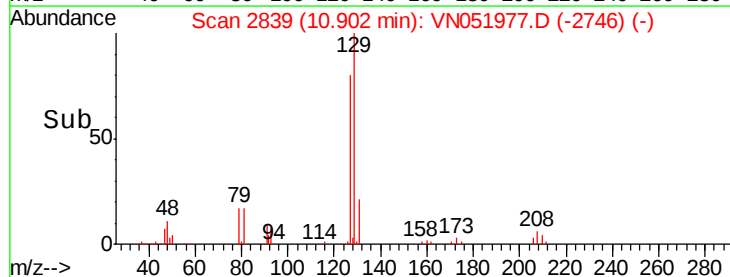
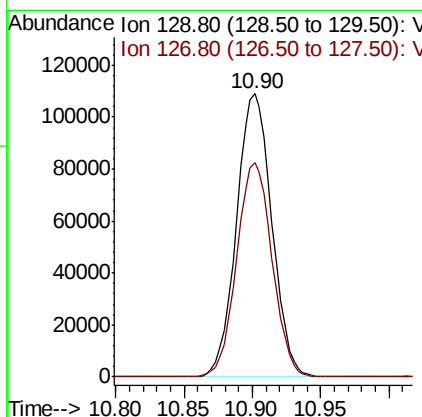
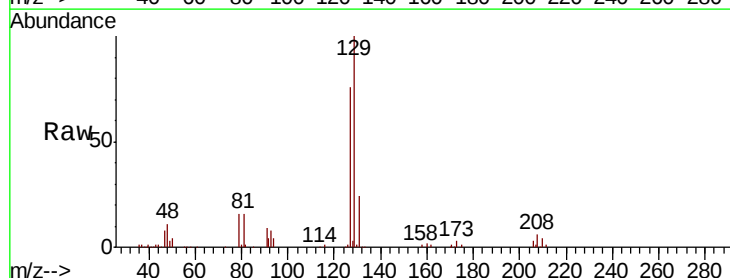
Instrument :
MSVOA_N
ClientSampleId :

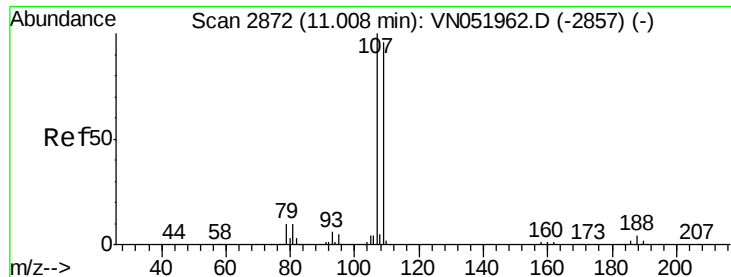
Tot Ion: 43 Resp: 369205
Ion Ratio Lower Upper
43 100
58 59.8 29.9 89.8



#60
Dibromochloromethane
Concen: 17.977 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051977.D
Acq: 24 Oct 2018 10:12

Tgt Ion: 129 Resp: 195671
Ion Ratio Lower Upper
129 100
127 75.7 38.0 114.0

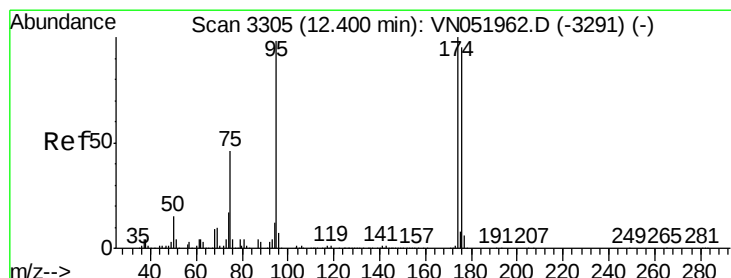
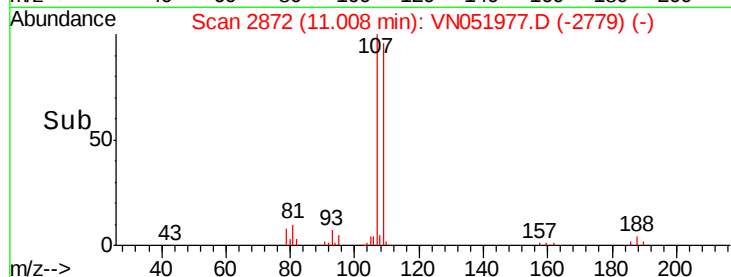
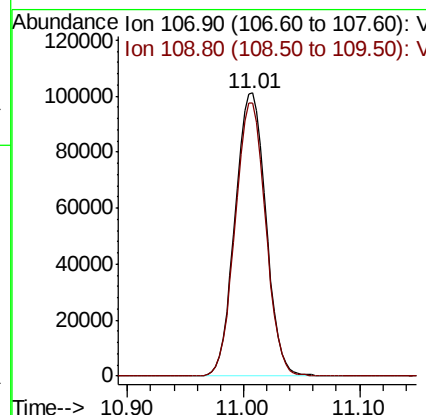
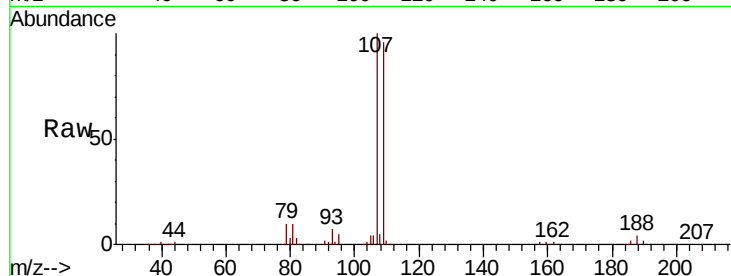




#61
1,2-Dibromoethane
Concen: 19.214 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN051977.D
Acq: 24 Oct 2018 10:12

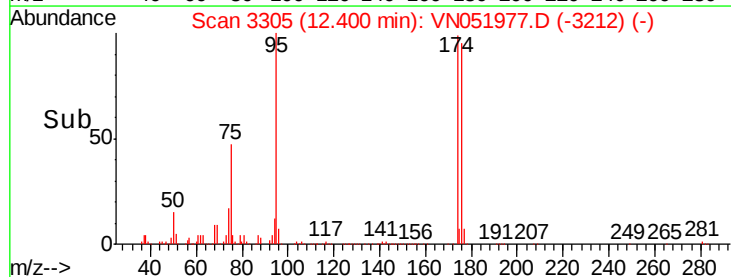
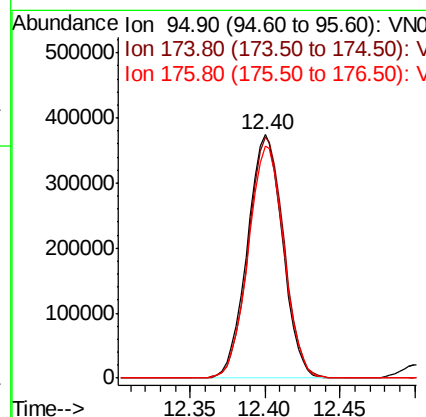
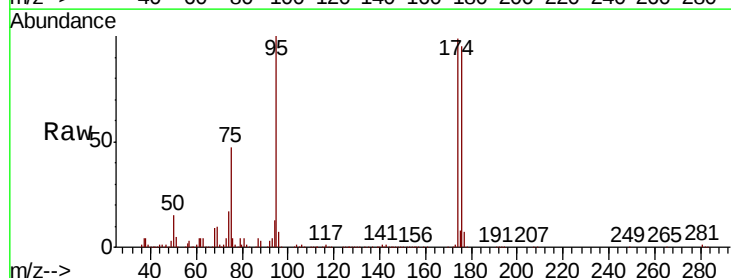
Instrument :
MSVOA_N
ClientSampleId :

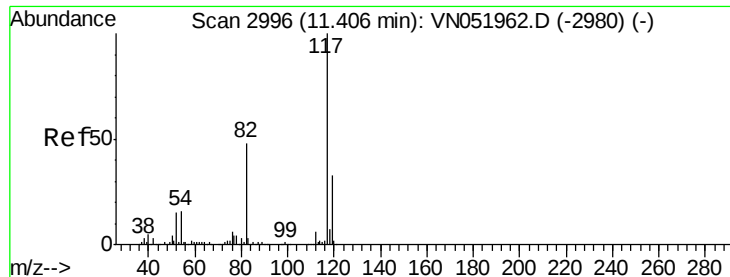
Tot Ion:107 Resp: 186541
Ion Ratio Lower Upper
107 100
109 95.1 75.9 113.9



#62
4-Bromofluorobenzene
Concen: 19.214 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN051977.D
Acq: 24 Oct 2018 10:12

Tgt Ion: 95 Resp: 612758
Ion Ratio Lower Upper
95 100
174 100.1 0.0 206.0
176 96.5 0.0 198.0

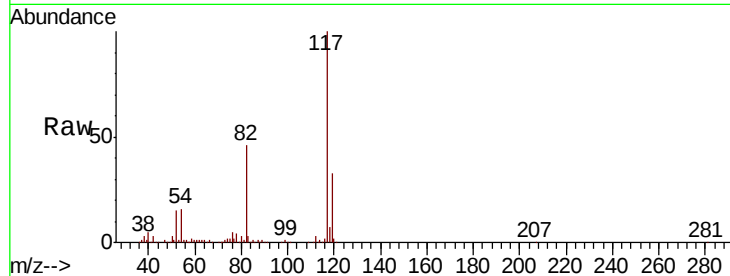




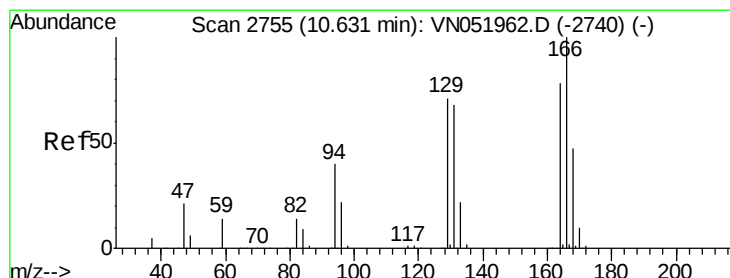
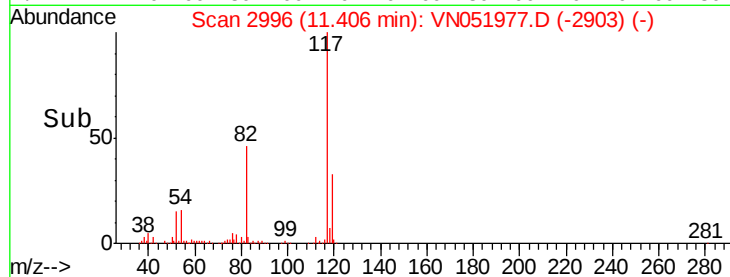
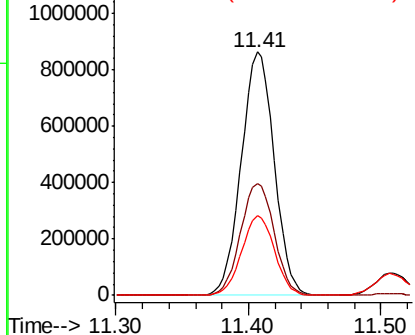
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051977.D
Acq: 24 Oct 2018 10:12

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 1489938
Ion Ratio Lower Upper
117 100
82 46.1 38.1 57.1
119 32.6 26.4 39.6

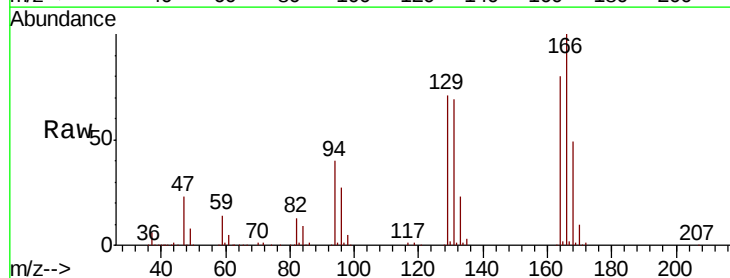


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

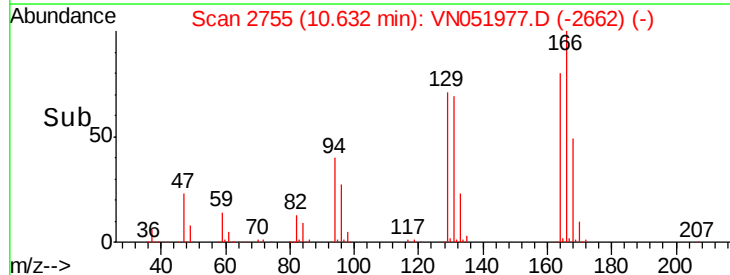
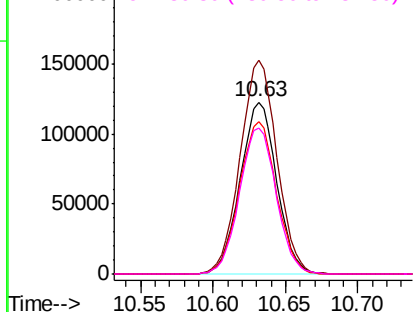


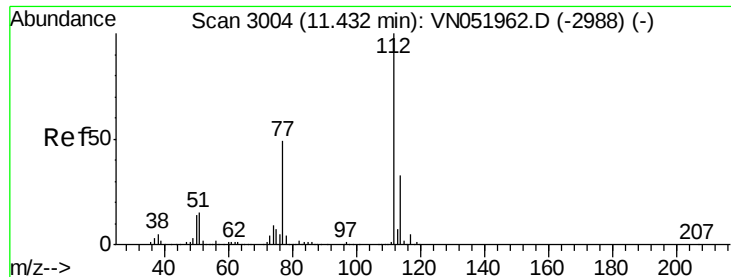
#64
Tetrachloroethene
Concen: 18.737 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051977.D
Acq: 24 Oct 2018 10:12

Tgt Ion:164 Resp: 214276
Ion Ratio Lower Upper
164 100
166 124.3 103.1 154.7
129 88.5 73.6 110.4
131 85.2 70.3 105.5



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

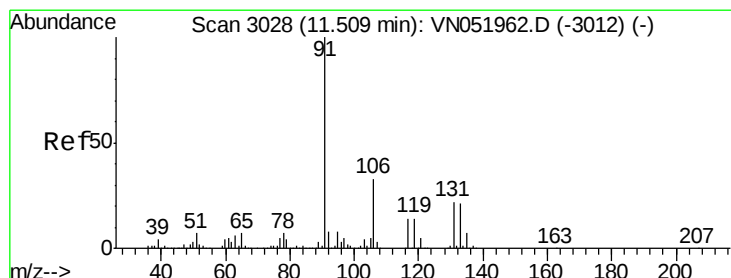
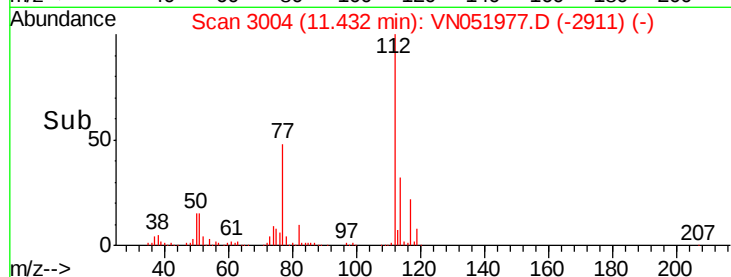
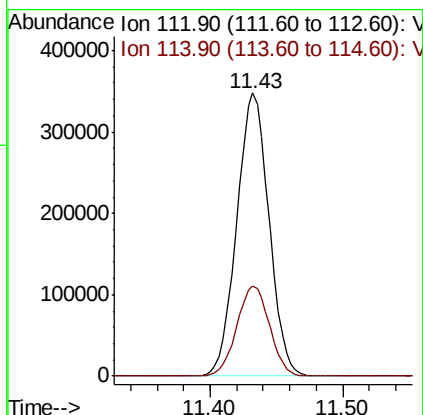
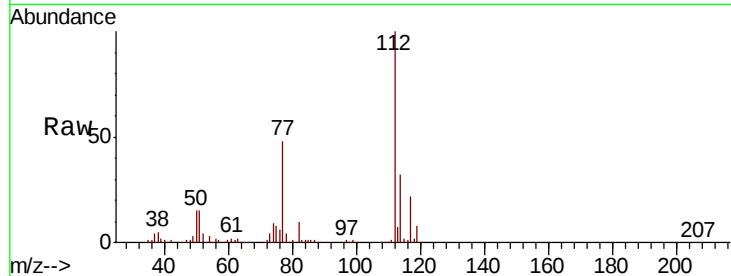




#65
Chlorobenzene
Concen: 19.466 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN051977.D
Acq: 24 Oct 2018 10:12

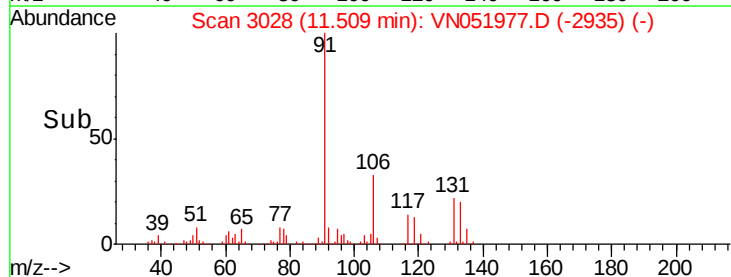
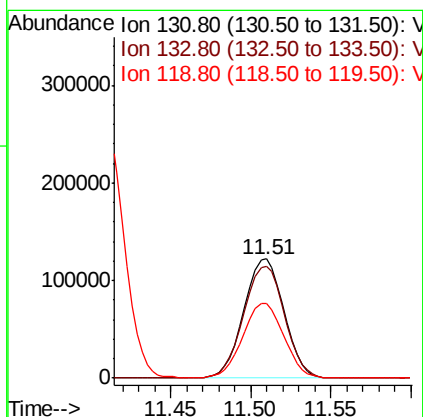
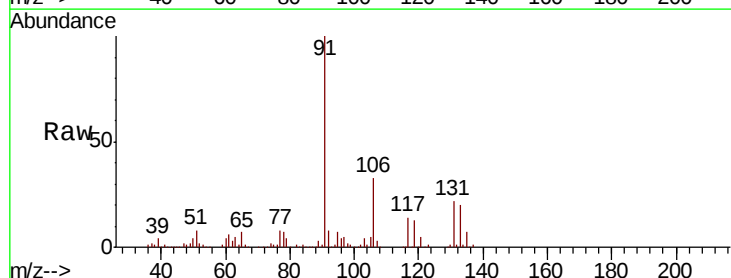
Instrument :
MSVOA_N
ClientSampled :

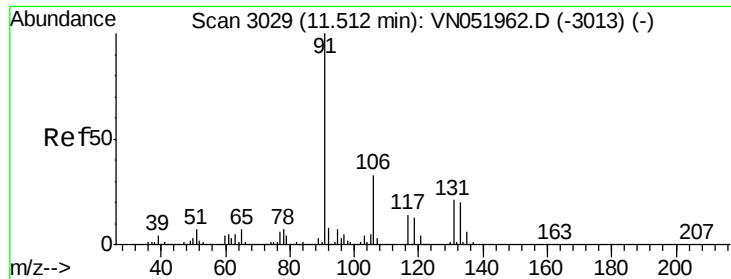
Tot Ion:112 Resp: 585584
Ion Ratio Lower Upper
112 100
114 31.8 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 19.370 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051977.D
Acq: 24 Oct 2018 10:12

Tgt Ion:131 Resp: 209441
Ion Ratio Lower Upper
131 100
133 96.0 47.8 143.3
119 64.3 32.0 96.2

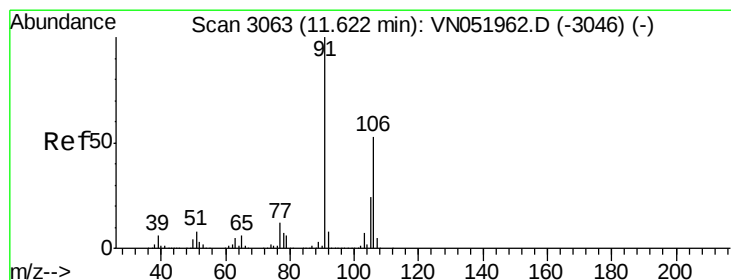
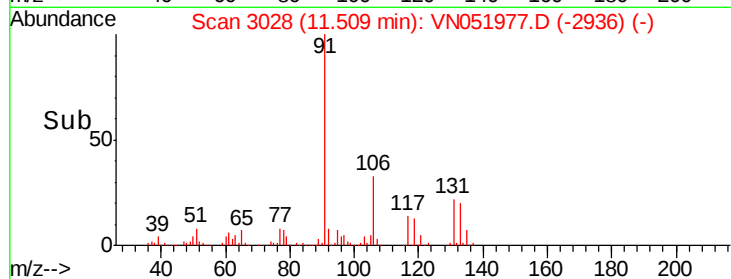
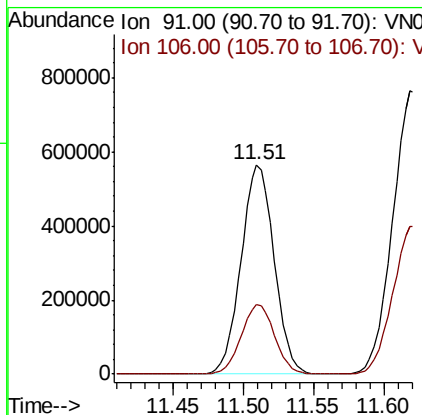
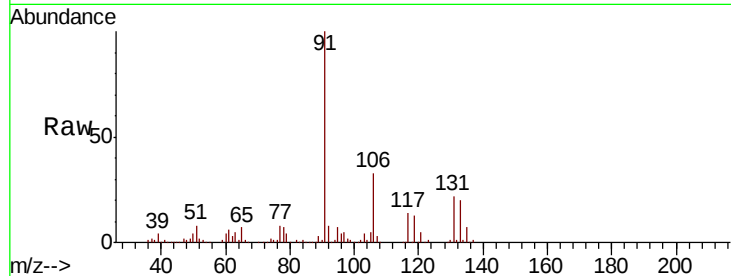




#67
Ethyl Benzene
Concen: 19.196 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051977.D
Acq: 24 Oct 2018 10:12

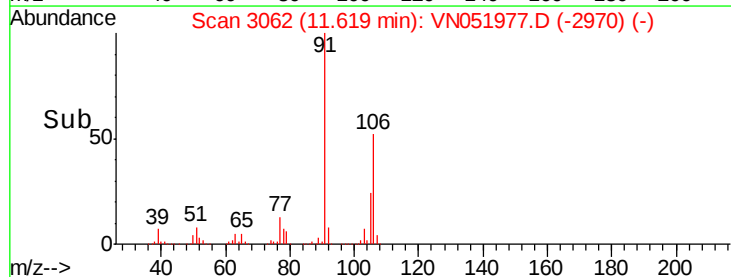
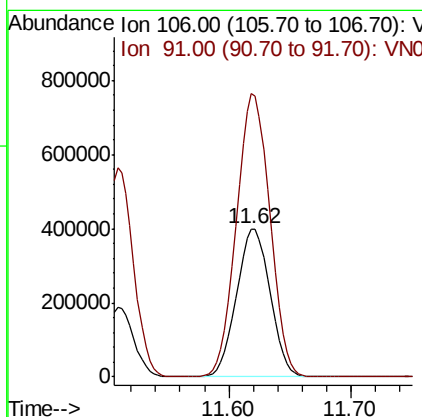
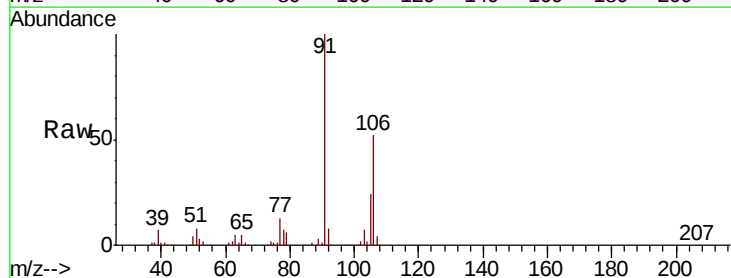
Instrument :
MSVOA_N
ClientSampled :

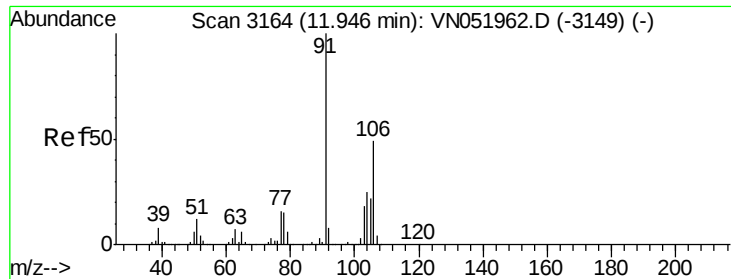
Tot Ion: 91 Resp: 928235
Ion Ratio Lower Upper
91 100
106 33.3 26.4 39.6



#68
m/p-Xylenes
Concen: 39.267 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN051977.D
Acq: 24 Oct 2018 10:12

Tgt Ion: 106 Resp: 758639
Ion Ratio Lower Upper
106 100
91 190.5 152.2 228.2

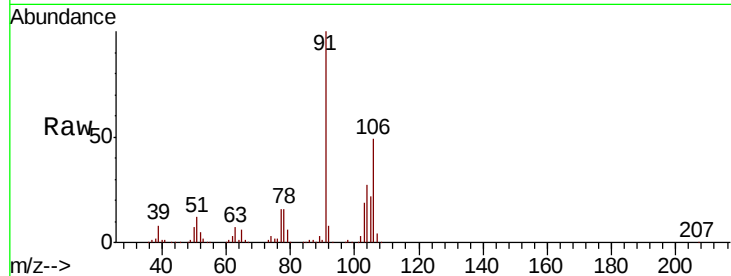




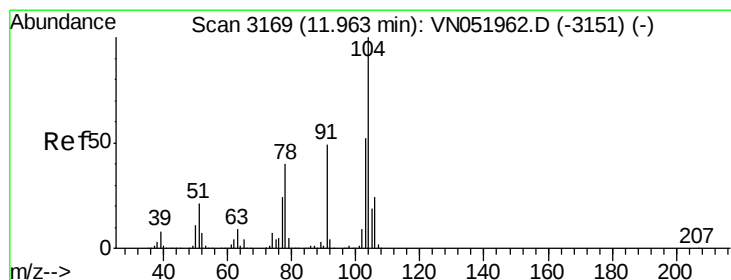
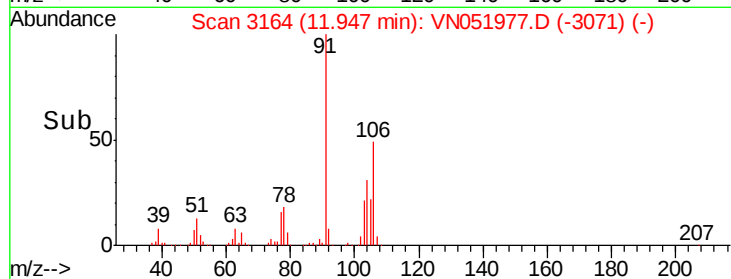
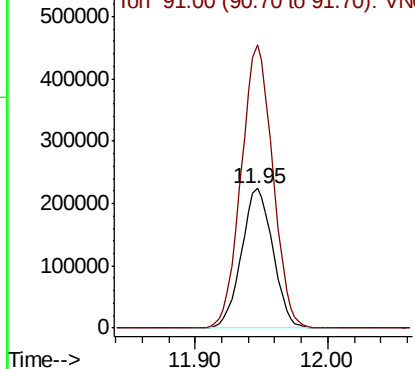
#69
o-Xylene
Concen: 19.613 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051977.D
Acq: 24 Oct 2018 10:12

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 368515
Ion Ratio Lower Upper
106 100
91 204.1 101.0 303.0

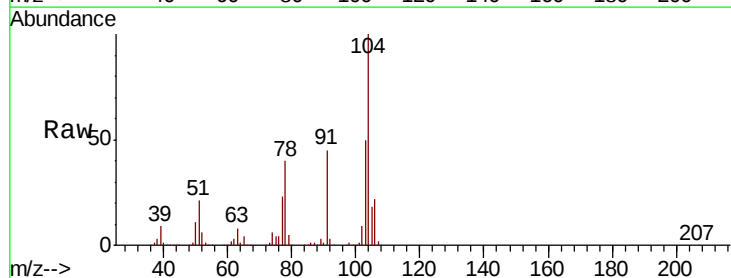


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

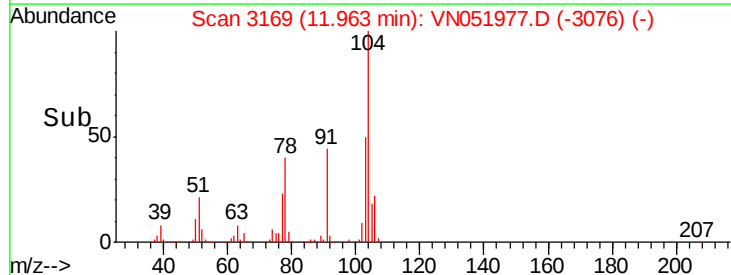
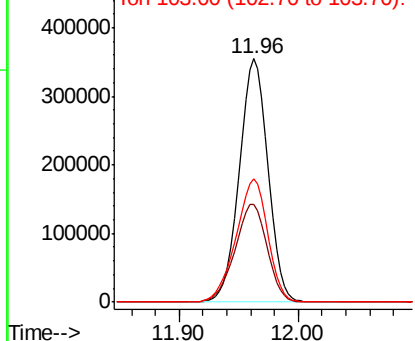


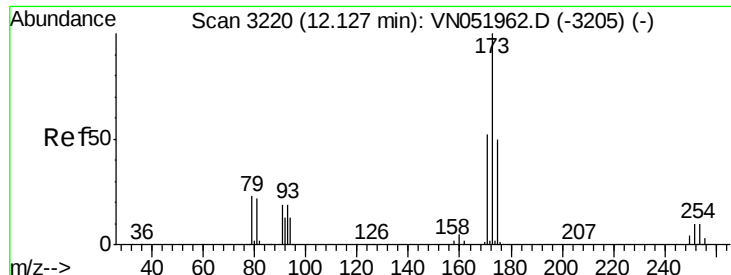
#70
Styrene
Concen: 19.705 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051977.D
Acq: 24 Oct 2018 10:12

Tgt Ion:104 Resp: 591765
Ion Ratio Lower Upper
104 100
78 45.3 35.8 53.6
103 55.9 44.9 67.3



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V

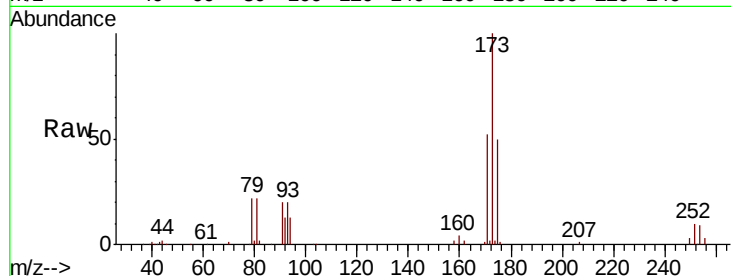




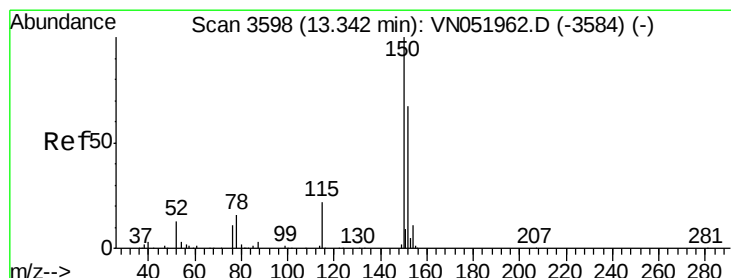
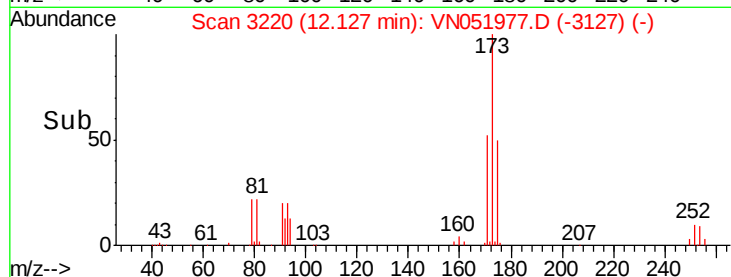
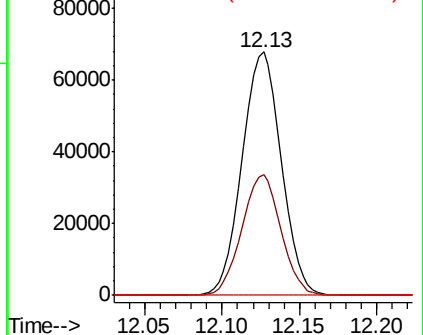
#71
Bromoform
Concen: 17.536 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN051977.D
Acq: 24 Oct 2018 10:12

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:173 Resp: 119825
Ion Ratio Lower Upper
173 100
175 49.1 24.6 74.0
254 0.0 0.1 0.1#

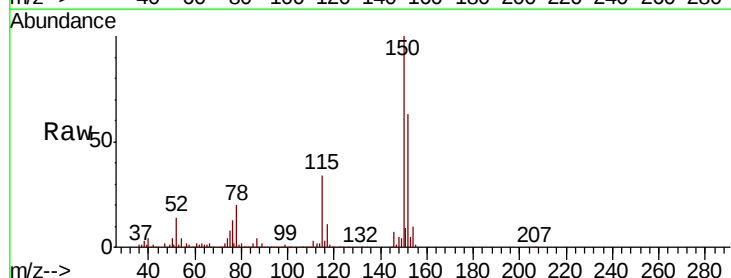


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

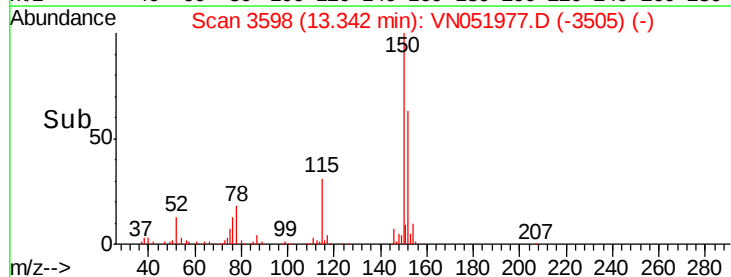
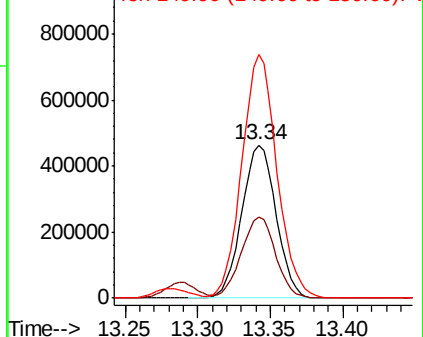


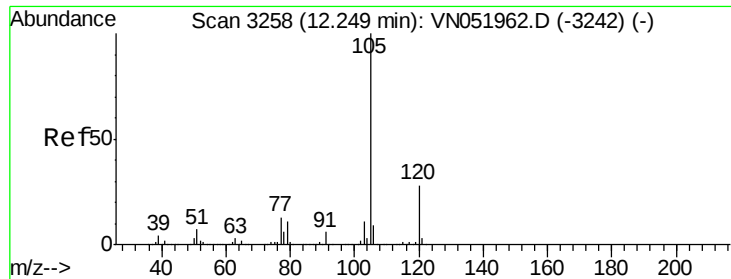
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN051977.D
Acq: 24 Oct 2018 10:12

Tgt Ion:152 Resp: 760407
Ion Ratio Lower Upper
152 100
115 53.2 25.8 77.3
150 163.1 0.0 344.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.384 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN051977.D

Acq: 24 Oct 2018 10:12

Instrument :

MSVOA_N

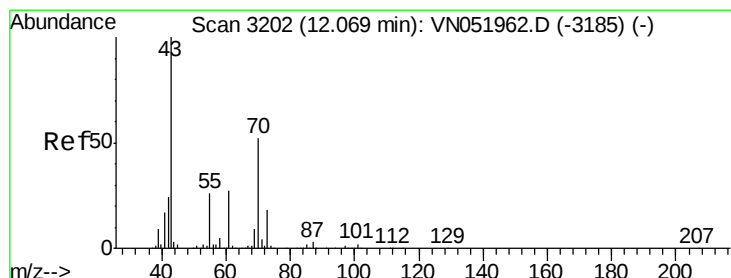
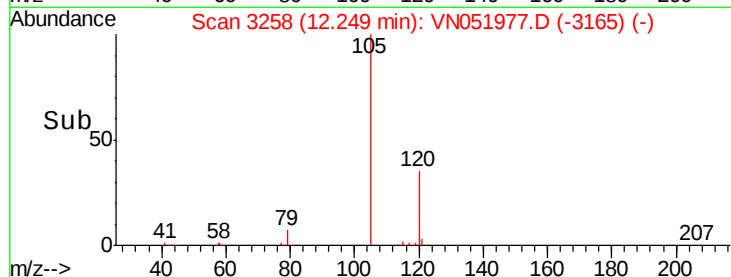
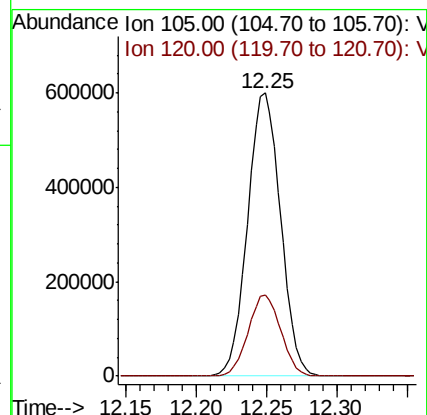
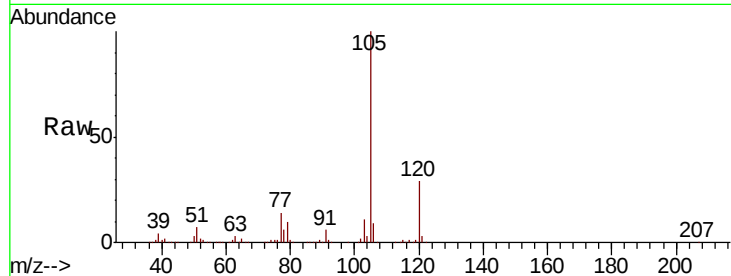
ClientSampleId :

Tot Ion:105 Resp: 983024

Ion Ratio Lower Upper

105 100

120 28.4 14.0 41.9



#74

N-ethyl acetate

Concen: 19.385 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051977.D

Acq: 24 Oct 2018 10:12

Tgt Ion: 43 Resp: 184004

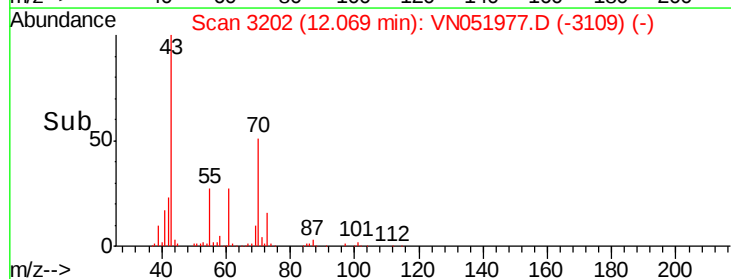
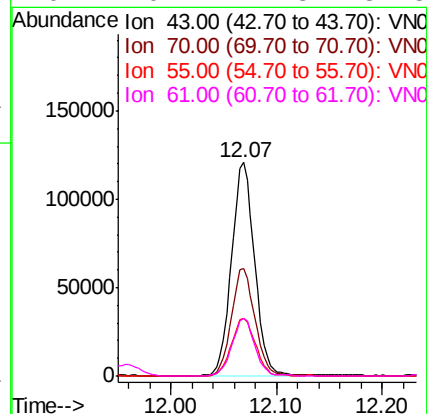
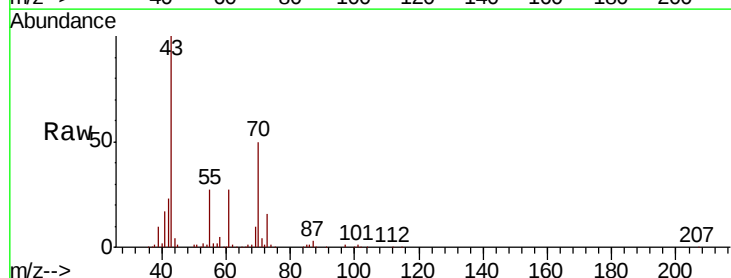
Ion Ratio Lower Upper

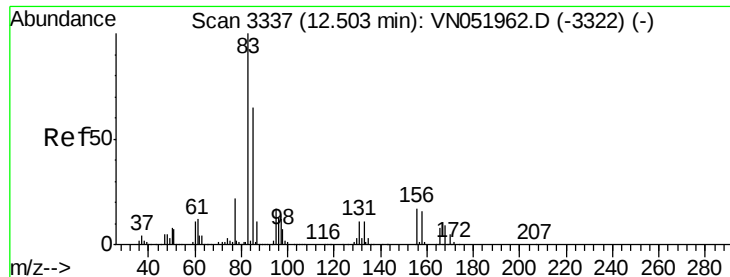
43 100

70 51.2 41.3 61.9

55 28.0 21.2 31.8

61 26.4 21.8 32.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.980 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051977.D

Acq: 24 Oct 2018 10:12

Instrument :

MSVOA_N

ClientSampleId :

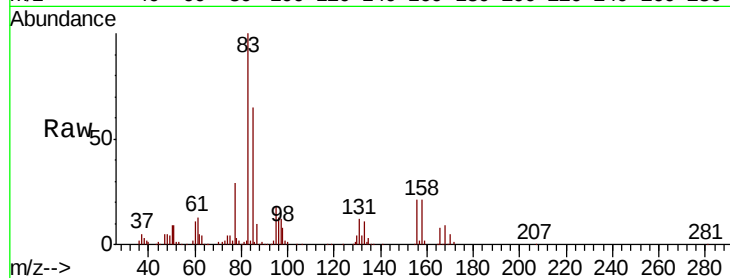
Tot Ion: 83 Resp: 199092

Ion Ratio Lower Upper

83 100

131 12.7 6.2 18.6

85 64.9 32.7 98.1



Abundance Ion 82.90 (82.60 to 83.60): VN051962.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN051962.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN051962.D (-3322) (-)

12.50

150000

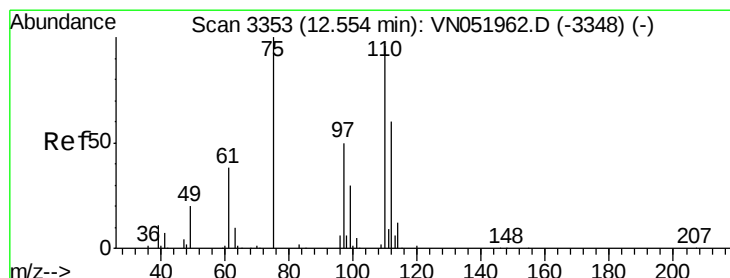
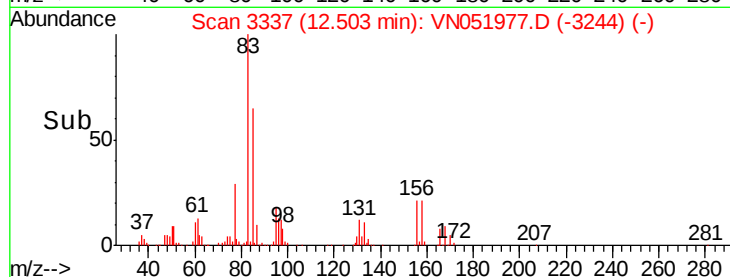
100000

50000

0

12.45 12.50 12.55

Time-->



#76

1,2,3-Trichloropropane

Concen: 30.219 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN051977.D

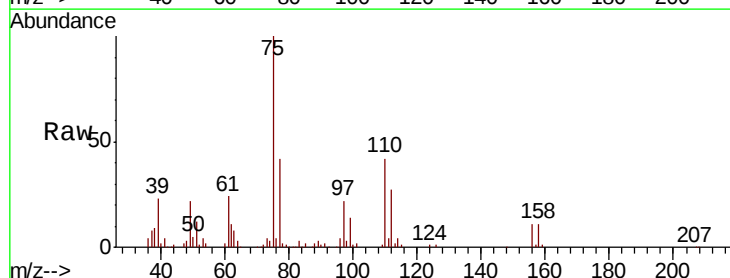
Acq: 24 Oct 2018 10:12

Tgt Ion: 75 Resp: 237356

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN051962.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN051962.D (-3348) (-)

200000

150000

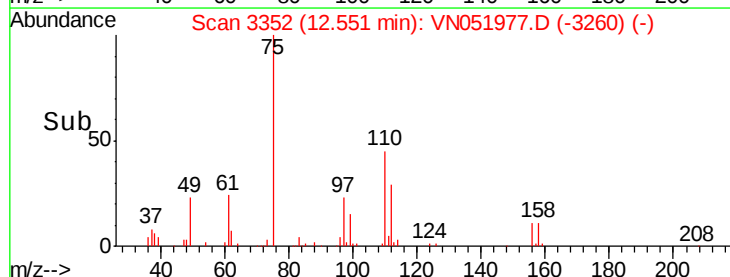
100000

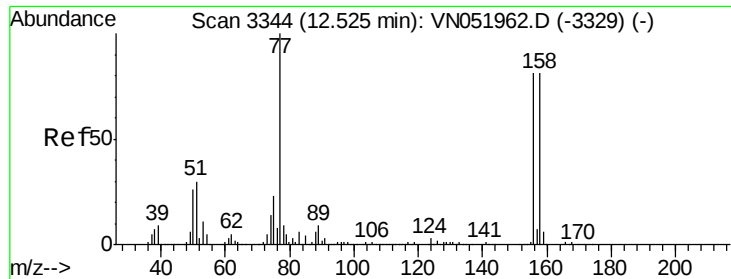
50000

0

12.50 12.55

Time-->





#77

Bromobenzene

Concen: 20.281 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051977.D

Acq: 24 Oct 2018 10:12

Instrument :

MSVOA_N

ClientSampled :

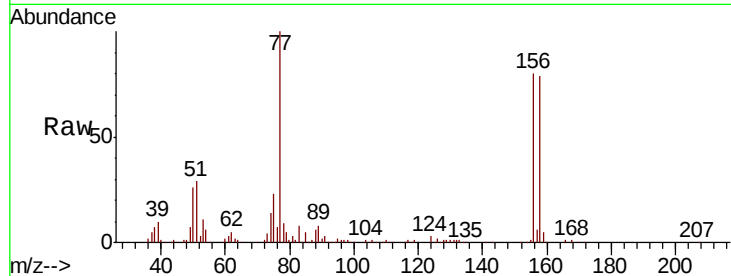
Tot Ion:156 Resp: 269929

Ion Ratio Lower Upper

156 100

77 141.8 71.1 213.3

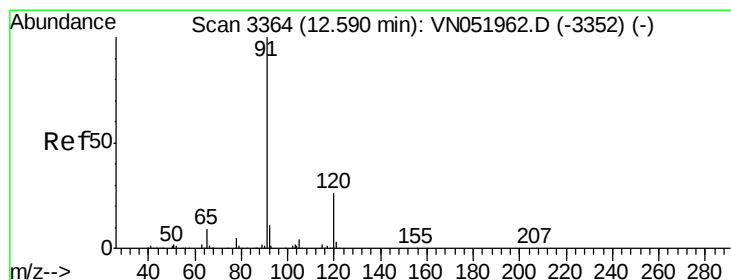
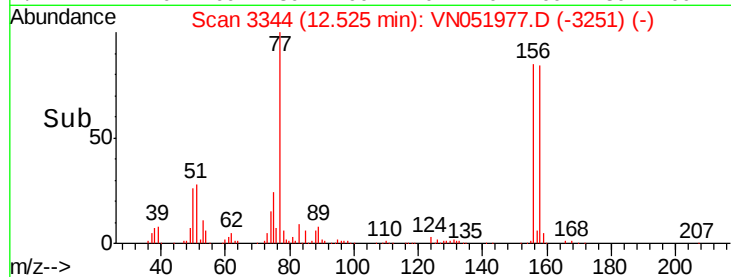
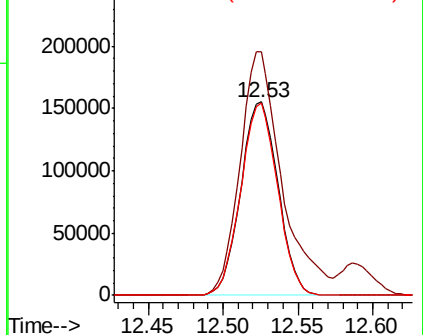
158 98.0 49.3 147.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.376 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN051977.D

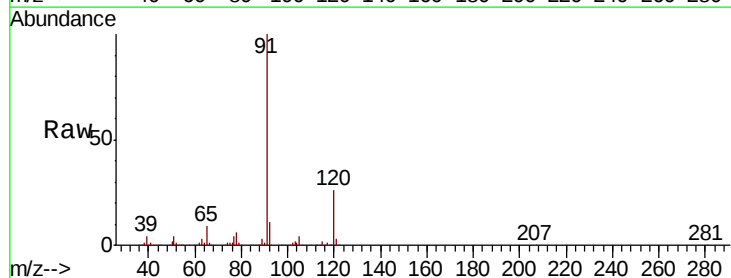
Acq: 24 Oct 2018 10:12

Tgt Ion: 91 Resp: 1060008

Ion Ratio Lower Upper

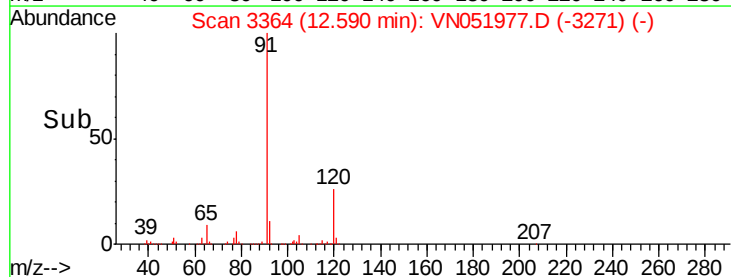
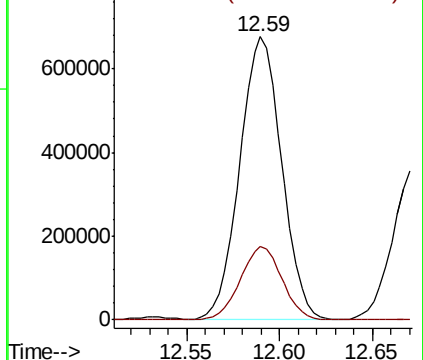
91 100

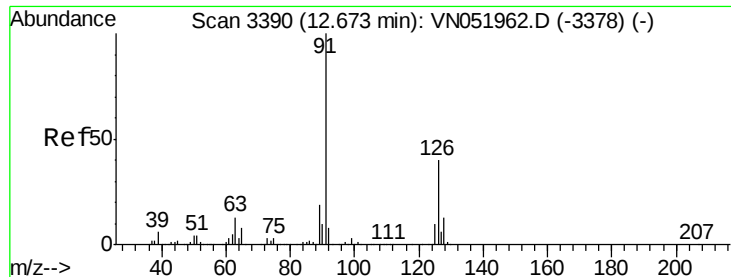
120 26.0 13.1 39.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.548 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN051977.D

Acq: 24 Oct 2018 10:12

Instrument :

MSVOA_N

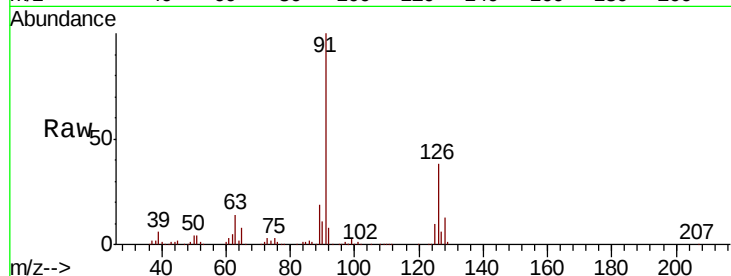
ClientSampleId :

Tot Ion: 91 Resp: 622505

Ion Ratio Lower Upper

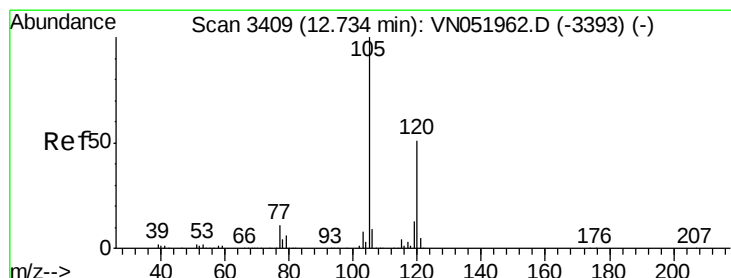
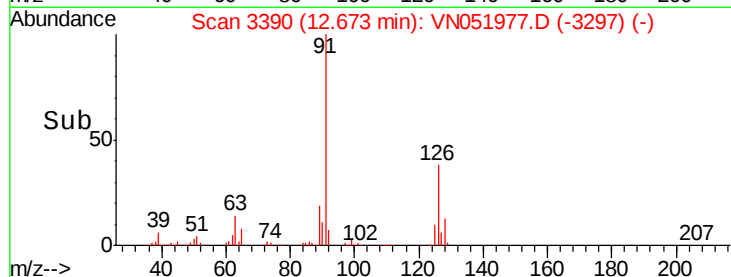
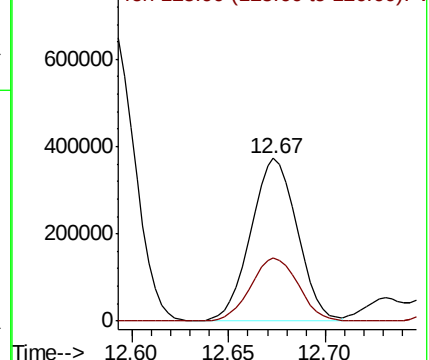
91 100

126 39.7 20.1 60.3



Abundance Ion 91.00 (90.70 to 91.70): VN051962.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN051962.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.857 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051977.D

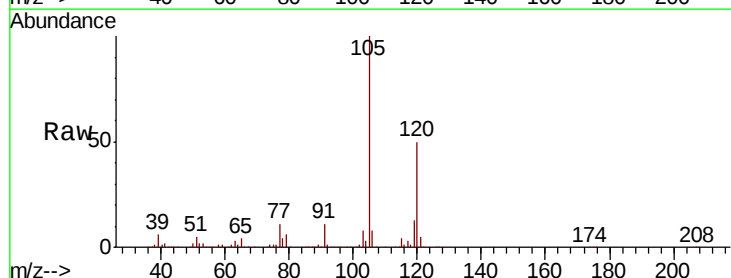
Acq: 24 Oct 2018 10:12

Tgt Ion: 105 Resp: 806987

Ion Ratio Lower Upper

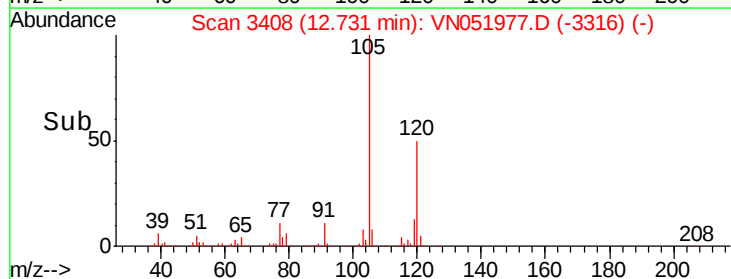
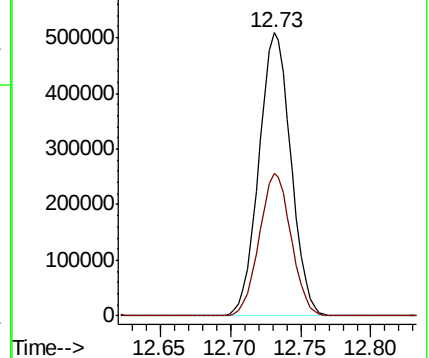
105 100

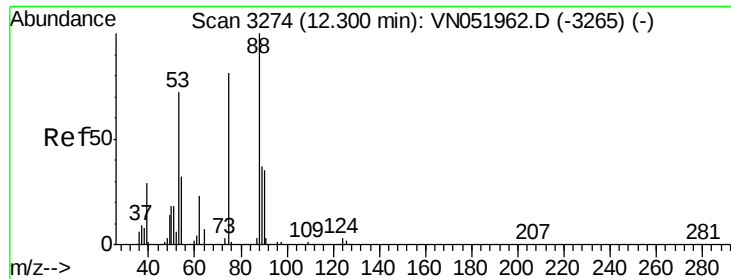
120 50.2 25.7 77.1



Abundance Ion 105.00 (104.70 to 105.70): VN051962.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN051962.D (-3393) (-)

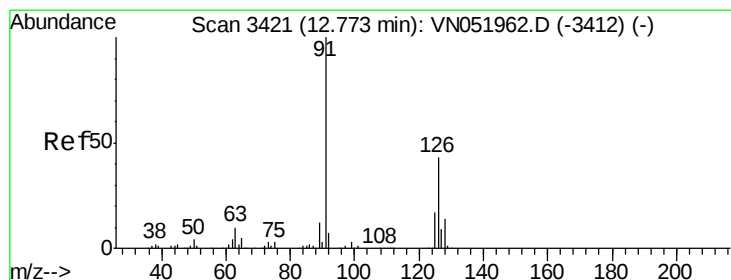
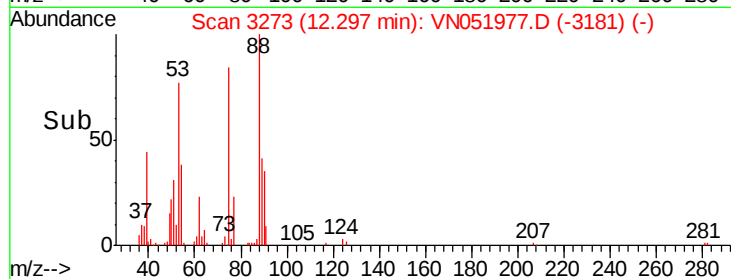
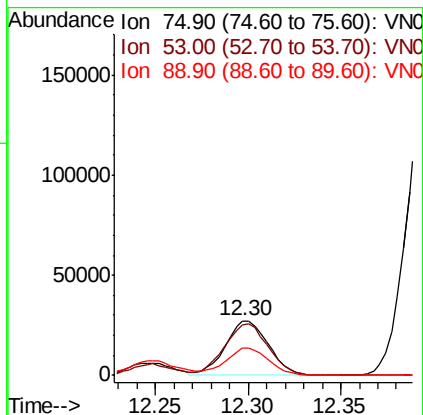
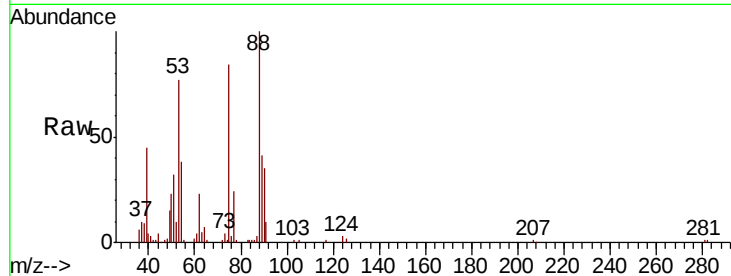




#81
trans-1,4-Dichloro-2-butene
Concen: 19.221 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. -0.00 min
Lab File: VN051977.D
Acq: 24 Oct 2018 10:12

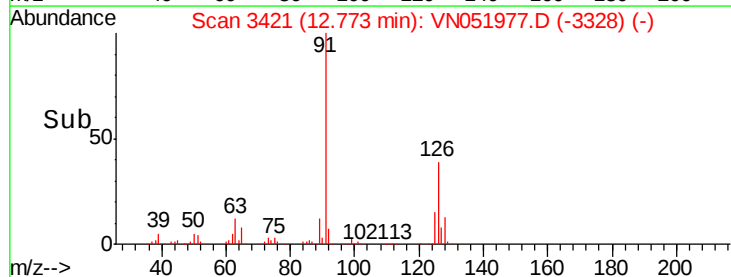
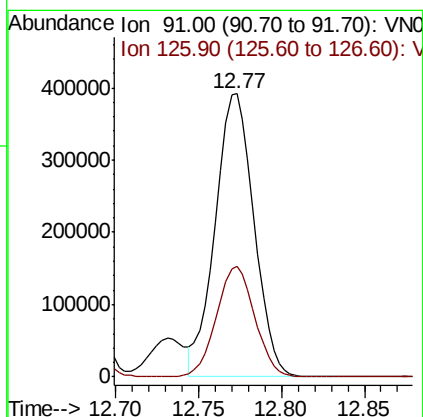
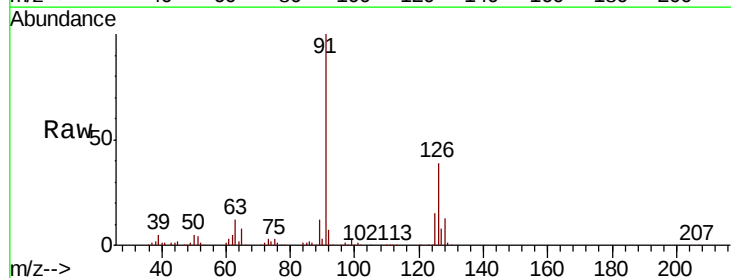
Instrument :
MSVOA_N
ClientSampleId :

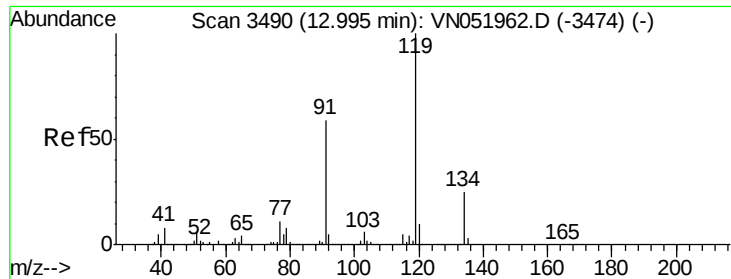
Tot Ion: 75 Resp: 44028
Ion Ratio Lower Upper
75 100
53 96.1 73.5 110.3
89 48.9 41.6 62.4



#82
4-Chlorotoluene
Concen: 20.283 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN051977.D
Acq: 24 Oct 2018 10:12

Tgt Ion: 91 Resp: 636190
Ion Ratio Lower Upper
91 100
126 38.5 19.7 59.0

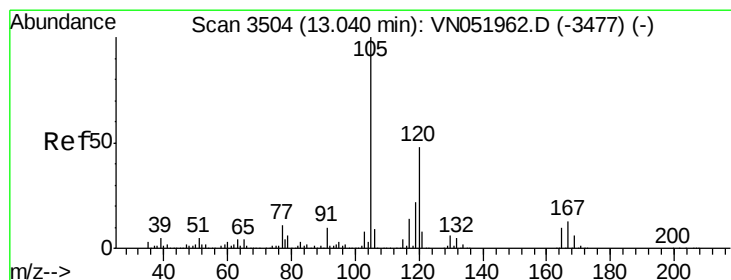
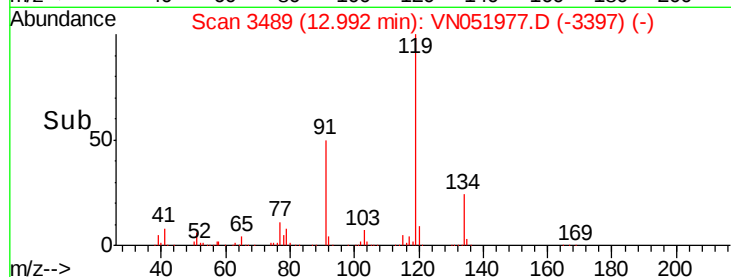
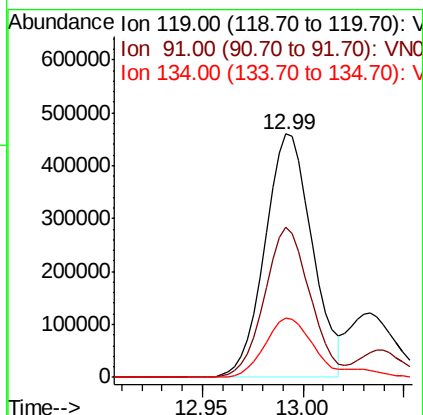
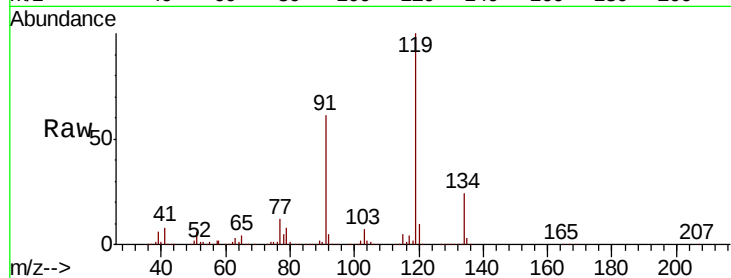




#83
tert-Butylbenzene
Concen: 20.514 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN051977.D
Acq: 24 Oct 2018 10:12

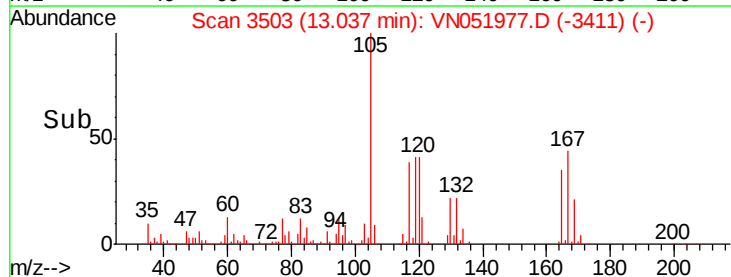
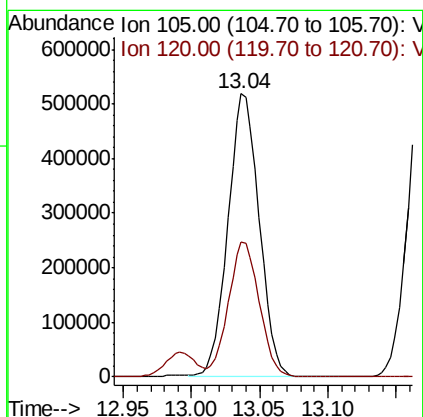
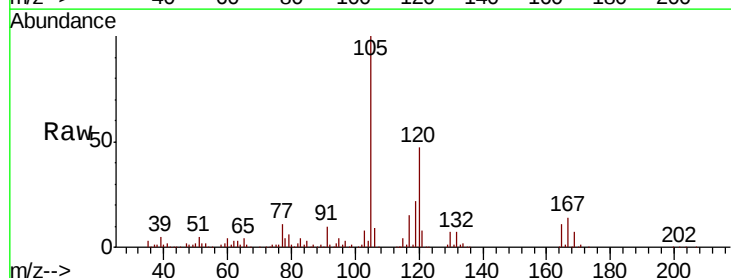
Instrument :
MSVOA_N
ClientSampleId :

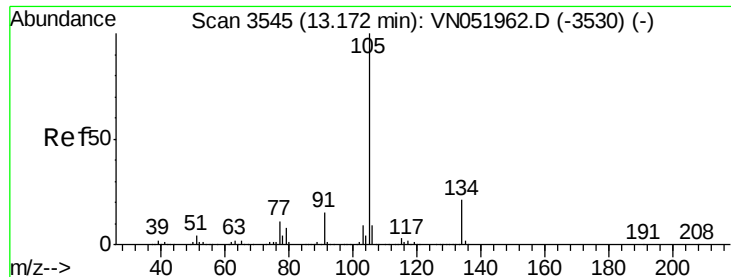
Tot Ion:119 Resp: 750679
Ion Ratio Lower Upper
119 100
91 59.4 28.8 86.4
134 24.7 13.4 40.1



#84
1,2,4-Trimethylbenzene
Concen: 20.658 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN051977.D
Acq: 24 Oct 2018 10:12

Tgt Ion:105 Resp: 824468
Ion Ratio Lower Upper
105 100
120 47.1 23.8 71.5





#85

sec-Butylbenzene

Concen: 20.580 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN051977.D

Acq: 24 Oct 2018 10:12

Instrument :

MSVOA_N

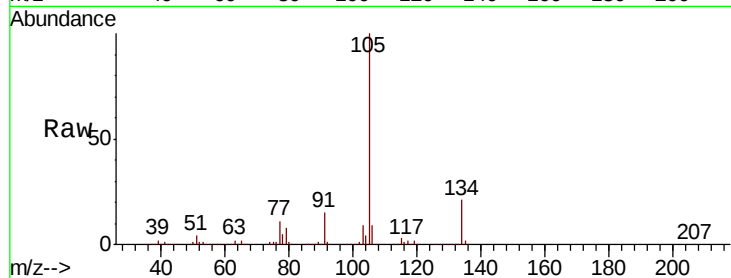
ClientSampleId :

Tot Ion:105 Resp: 983594

Ion Ratio Lower Upper

105 100

134 21.0 10.9 32.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

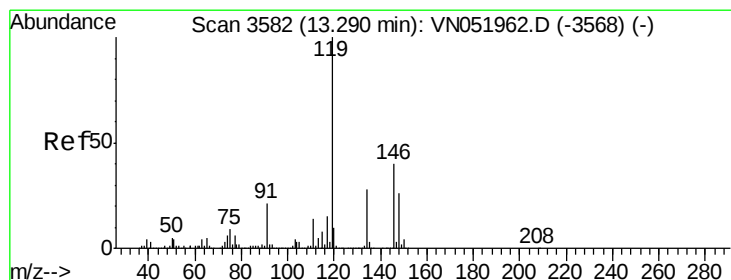
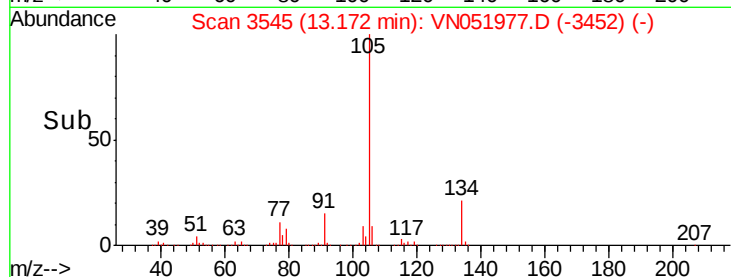
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.567 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN051977.D

Acq: 24 Oct 2018 10:12

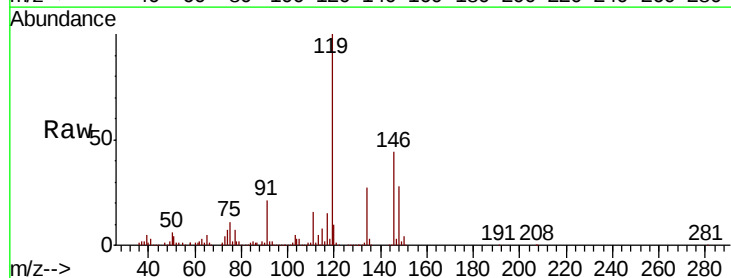
Tgt Ion:119 Resp: 884968

Ion Ratio Lower Upper

119 100

134 27.5 13.9 41.7

91 21.3 10.6 31.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

800000

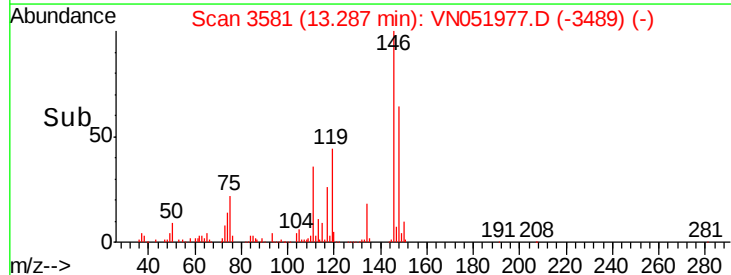
600000

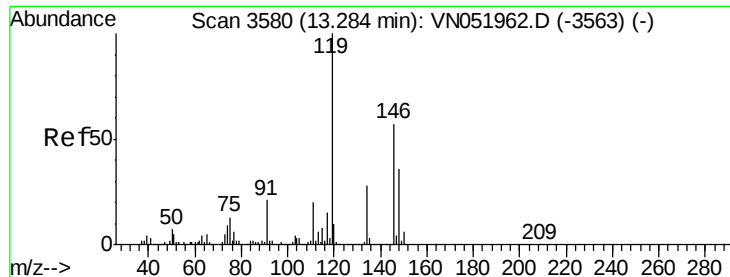
400000

200000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 19.648 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN051977.D

Acq: 24 Oct 2018 10:12

Instrument :

MSVOA_N

ClientSampleId :

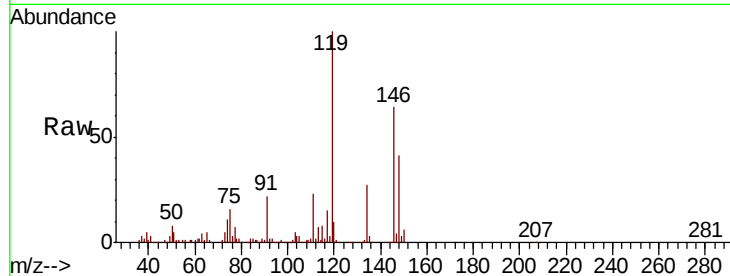
Tot Ion:146 Resp: 482308

Ion Ratio Lower Upper

146 100

111 35.7 17.6 52.8

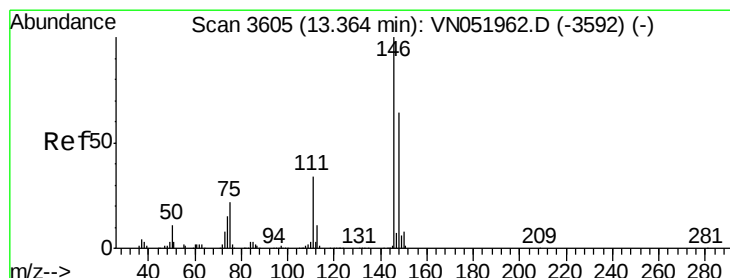
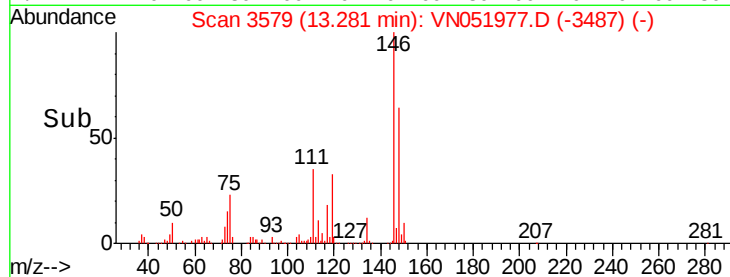
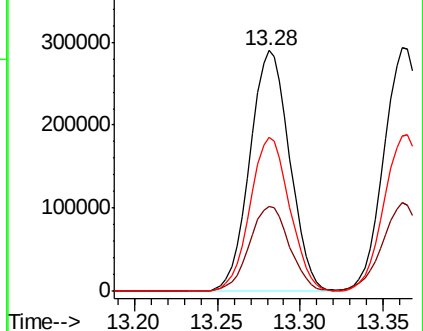
148 63.6 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.900 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN051977.D

Acq: 24 Oct 2018 10:12

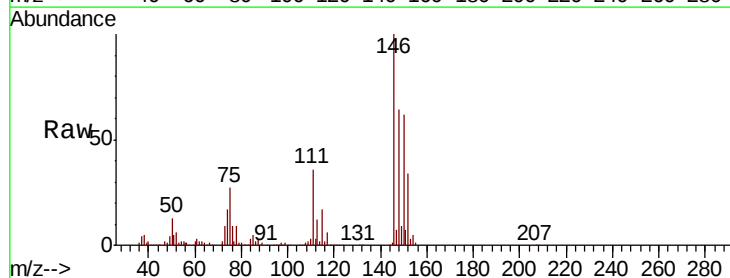
Tgt Ion:146 Resp: 481585

Ion Ratio Lower Upper

146 100

111 37.1 17.3 51.7

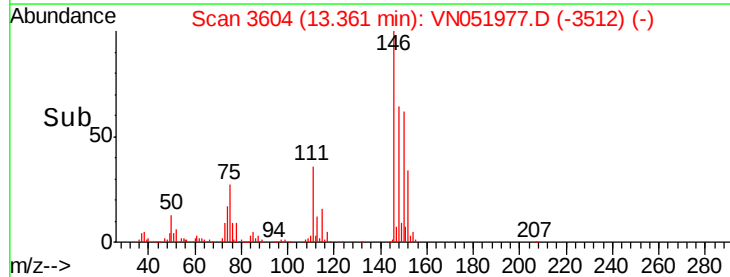
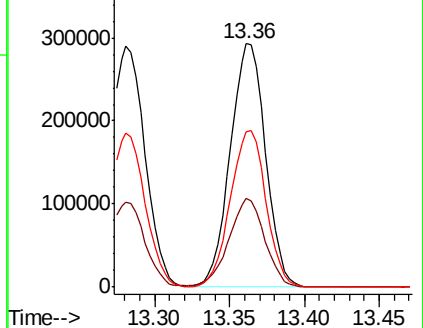
148 65.1 32.1 96.3

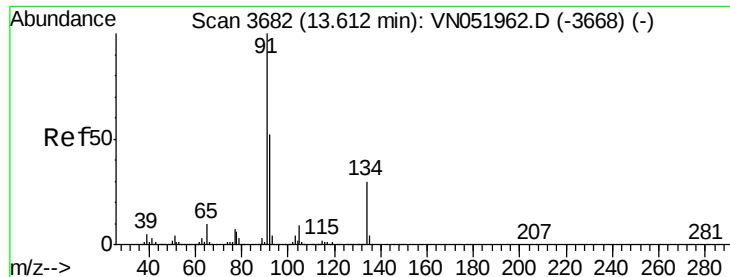


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

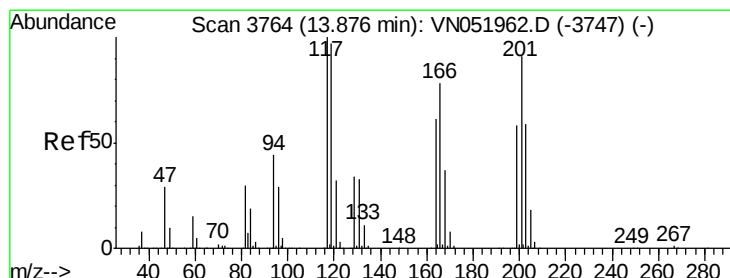
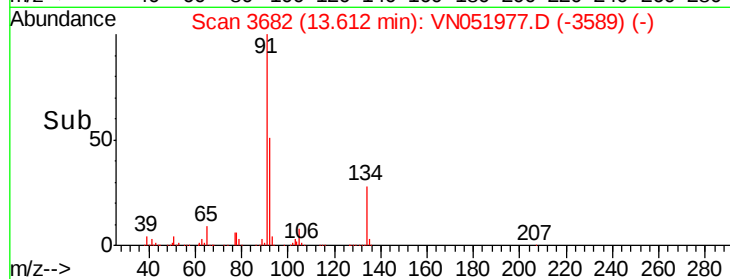
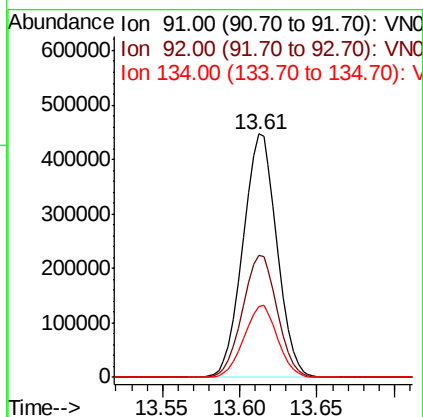
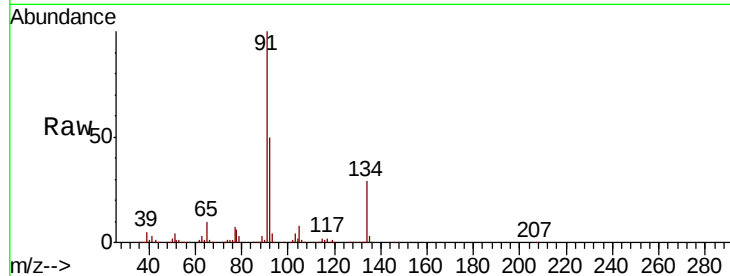




#89
n-Butylbenzene
Concen: 19.933 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN051977.D
Acq: 24 Oct 2018 10:12

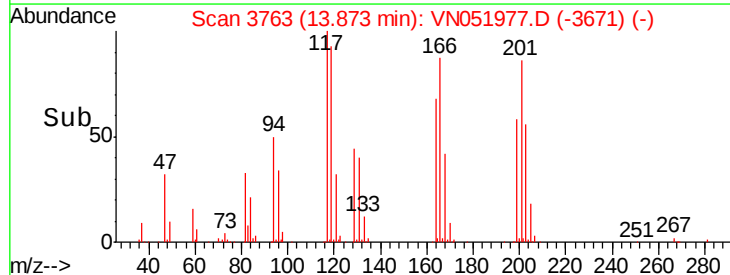
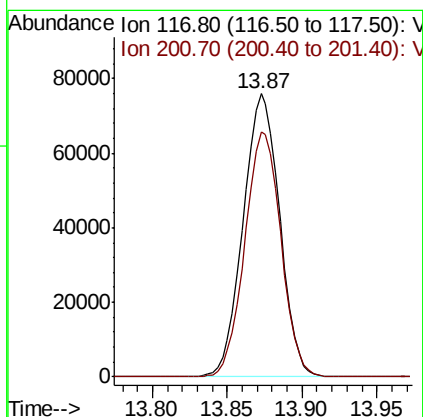
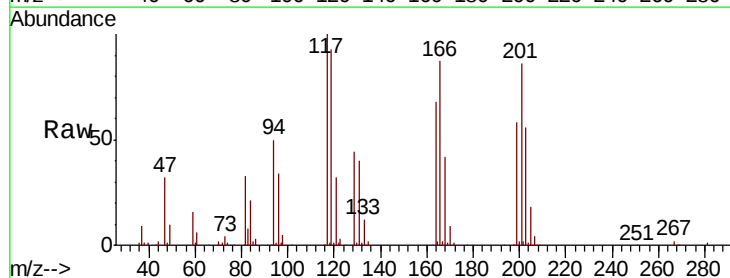
Instrument :
MSVOA_N
ClientSampled :

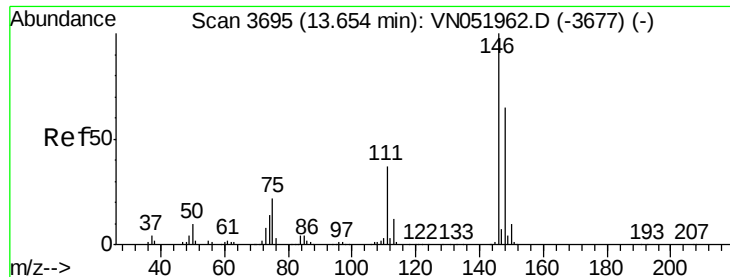
Tot Ion: 91 Resp: 682976
Ion Ratio Lower Upper
91 100
92 51.1 25.9 77.8
134 29.3 15.2 45.6



#90
Hexachloroethane
Concen: 20.120 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN051977.D
Acq: 24 Oct 2018 10:12

Tgt Ion: 117 Resp: 128980
Ion Ratio Lower Upper
117 100
201 85.6 45.6 136.9





#91

1,2-Dichlorobenzene

Concen: 19.648 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN051977.D

Acq: 24 Oct 2018 10:12

Instrument :

MSVOA_N

ClientSampleId :

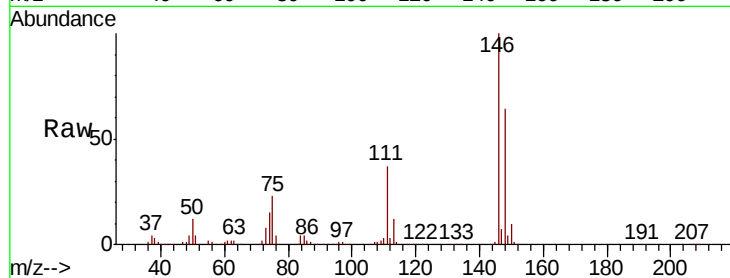
Tot Ion:146 Resp: 466569

Ion Ratio Lower Upper

146 100

111 37.0 18.3 54.9

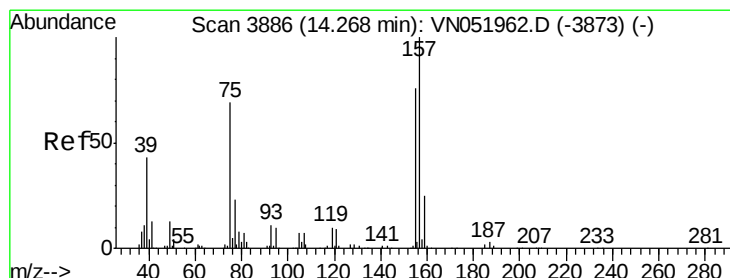
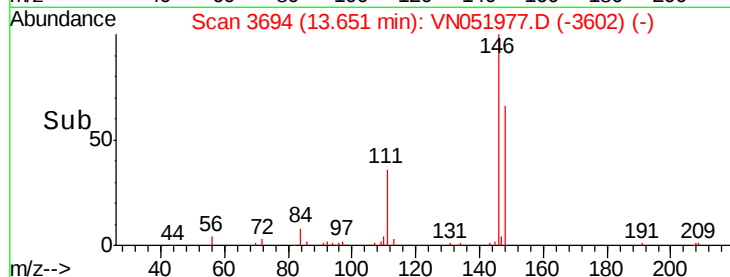
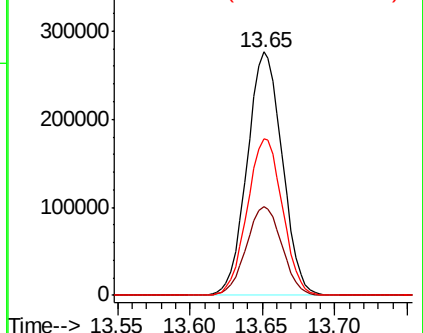
148 64.6 32.4 97.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.435 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN051977.D

Acq: 24 Oct 2018 10:12

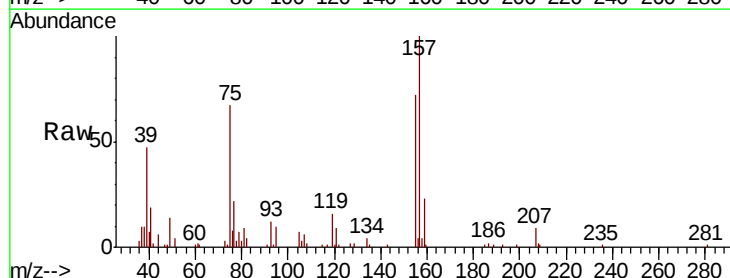
Tgt Ion: 75 Resp: 26675

Ion Ratio Lower Upper

75 100

155 104.2 56.0 167.9

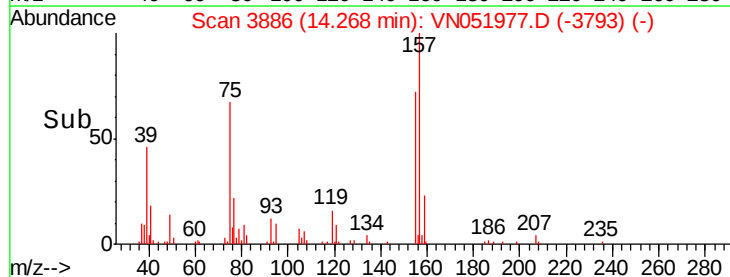
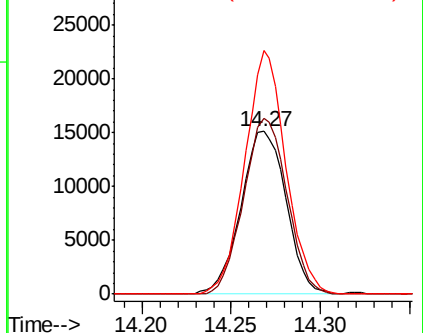
157 136.2 73.9 221.6

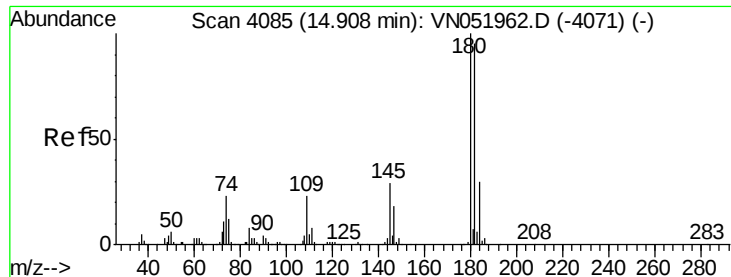


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

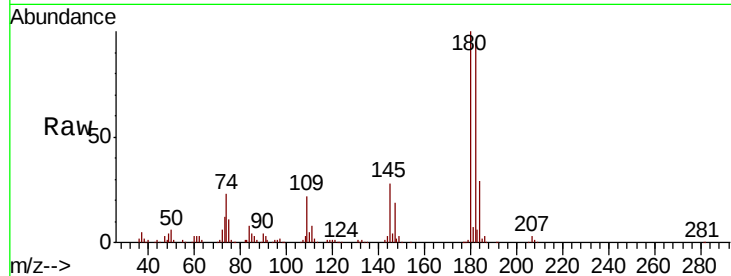




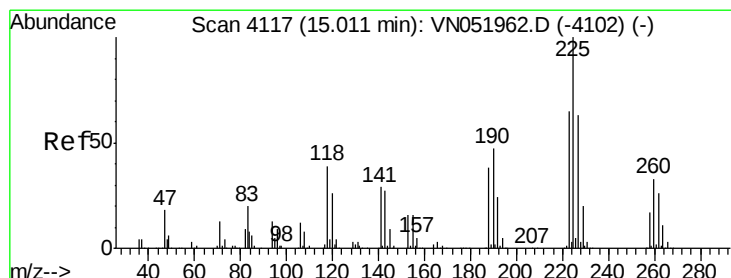
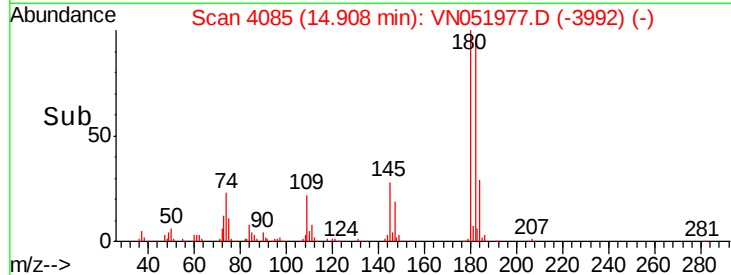
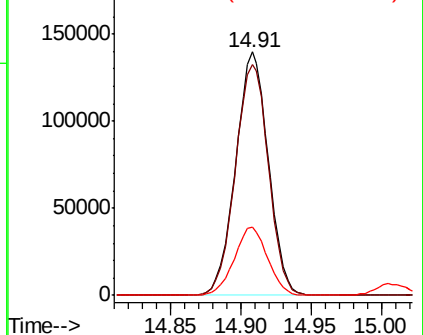
#93
 1,2,4-Trichlorobenzene
 Concen: 16.136 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN051977.D
 Acq: 24 Oct 2018 10:12

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 226349
 Ion Ratio Lower Upper
 180 100
 182 96.3 47.8 143.4
 145 28.7 14.5 43.5

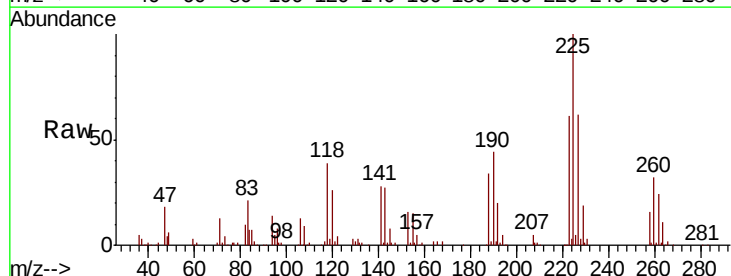


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

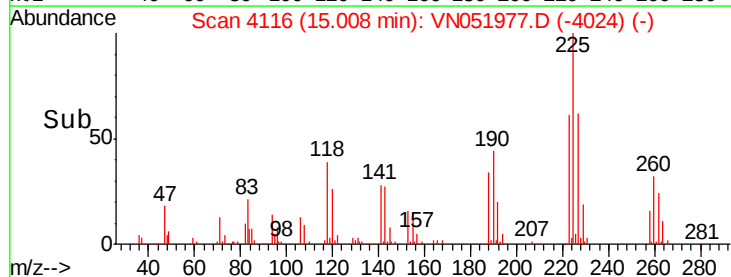
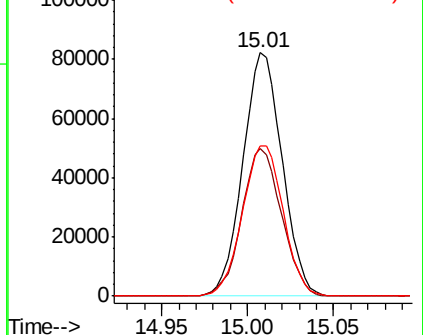


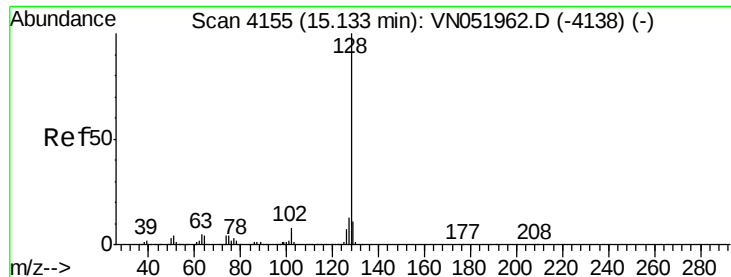
#94
 Hexachlorobutadiene
 Concen: 18.112 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN051977.D
 Acq: 24 Oct 2018 10:12

Tgt Ion:225 Resp: 130548
 Ion Ratio Lower Upper
 225 100
 223 61.6 31.8 95.4
 227 64.0 31.4 94.2



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

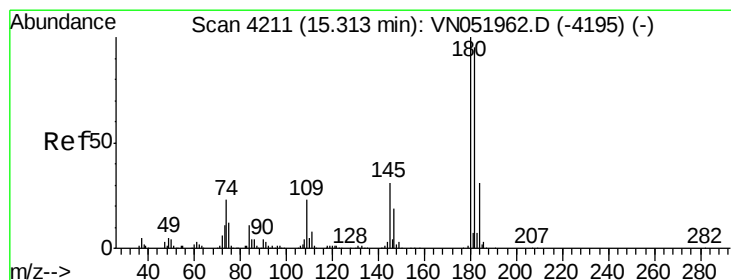
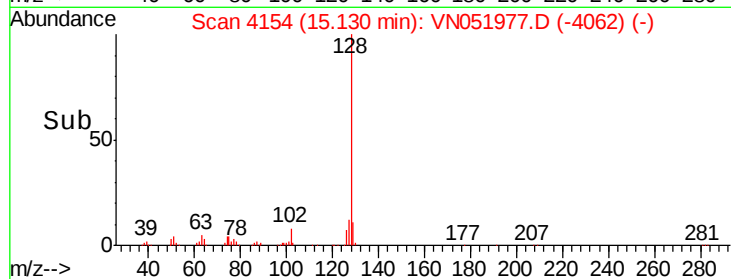
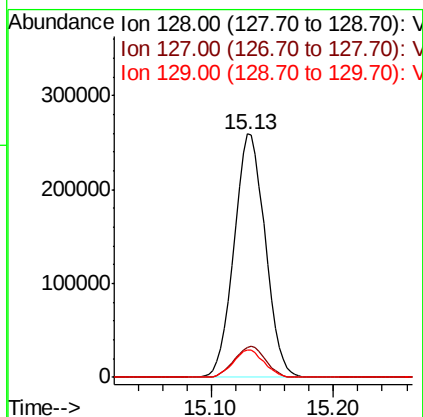
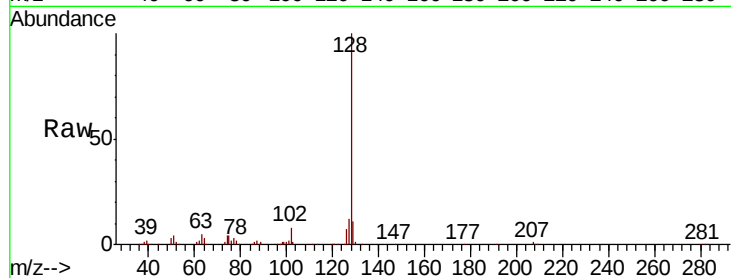




#95
Naphthalene
Concen: 15.009 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN051977.D
Acq: 24 Oct 2018 10:12

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:128 Resp: 457242
Ion Ratio Lower Upper
128 100
127 12.8 10.3 15.5
129 11.1 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 14.792 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN051977.D
Acq: 24 Oct 2018 10:12

Tgt Ion:180 Resp: 198336
Ion Ratio Lower Upper
180 100
182 95.1 47.9 143.6
145 31.2 15.4 46.2

