

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021220\
 Data File : VN060080.D
 Acq On : 12 Feb 2020 17:52
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 13 00:38:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	224638	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	357879	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	337917	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	179671	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	135221	49.47	ug/l	0.00
Spiked Amount						
			Recovery	=	98.94%	
35) Dibromofluoromethane	7.56	113	108612	49.37	ug/l	0.00
Spiked Amount						
			Recovery	=	98.74%	
50) Toluene-d8	10.08	98	422164	48.73	ug/l	0.00
Spiked Amount						
			Recovery	=	97.46%	
62) 4-Bromofluorobenzene	12.40	95	158827	49.89	ug/l	0.00
Spiked Amount						
			Recovery	=	99.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	110703	49.303	ug/l	99
3) Chloromethane	2.04	50	129623	48.510	ug/l	99
4) Vinyl Chloride	2.17	62	146284	48.029	ug/l	100
5) Bromomethane	2.54	94	87183	46.683	ug/l	99
6) Chloroethane	2.68	64	73552	47.745	ug/l	98
7) Trichlorofluoromethane	3.00	101	186273	47.435	ug/l	99
8) Diethyl Ether	3.39	74	64228	49.135	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	102729	47.120	ug/l	99
10) Methyl Iodide	3.93	142	141828	48.485	ug/l	99
11) Tert butyl alcohol	4.73	59	95320	233.029	ug/l	100
12) 1,1-Dichloroethene	3.72	96	102859	48.430	ug/l	97
13) Acrolein	3.58	56	89826	222.166	ug/l	96
14) Allyl chloride	4.29	41	148173	47.400	ug/l	97
15) Acrylonitrile	4.95	53	250960	251.223	ug/l	99
16) Acetone	3.78	43	250860	210.396	ug/l	98
17) Carbon Disulfide	4.03	76	300456	46.934	ug/l	99
18) Methyl Acetate	4.29	43	112456	50.208	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	343237	48.056	ug/l	100
20) Methylene Chloride	4.52	84	113847	47.860	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	110533	47.743	ug/l	99
22) Diisopropyl ether	5.91	45	334011	48.754	ug/l	99
23) Vinyl Acetate	5.86	43	1423406	247.411	ug/l	100
24) 1,1-Dichloroethane	5.82	63	197556	47.601	ug/l	99
25) 2-Butanone	6.80	43	350113	233.478	ug/l	99
26) 2,2-Dichloropropane	6.80	77	186250	47.248	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	127765	47.155	ug/l	100
28) Bromochloromethane	7.17	49	79889	48.964	ug/l	99
29) Tetrahydrofuran	7.18	42	221029	240.262	ug/l	99
30) Chloroform	7.35	83	208283	47.909	ug/l	99
31) Cyclohexane	7.63	56	177086	45.805	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	190043	47.836	ug/l	99
36) 1,1-Dichloropropene	7.77	75	157288	47.450	ug/l	99
37) Ethyl Acetate	6.90	43	142546	47.581	ug/l	99
38) Carbon Tetrachloride	7.75	117	169088	46.968	ug/l	98

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

39) Methylcyclohexane	9.07	83	190652	46.333	ug/l	99
40) Benzene	8.02	78	456516	46.427	ug/l	100
41) Methacrylonitrile	7.18	41	205051	163.209	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	164917	47.853	ug/l	99
43) Isopropyl Acetate	8.14	43	249341	48.688	ug/l	100
44) Trichloroethene	8.82	130	125128	45.957	ug/l	98
45) 1,2-Dichloropropane	9.10	63	117192	48.140	ug/l	98
46) Dibromomethane	9.19	93	81111	47.149	ug/l	99
47) Bromodichloromethane	9.39	83	164697	47.089	ug/l	100
48) Methyl methacrylate	9.18	41	110749	48.200	ug/l	98
49) 1,4-Dioxane	9.18	88	37702	960.362	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	719474	242.721	ug/l	100
52) Toluene	10.14	92	298161	47.286	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	189474	47.993	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	198262	47.691	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	116176	47.227	ug/l	99
56) Ethyl methacrylate	10.42	69	175031	50.297	ug/l	99
57) 1,3-Dichloropropane	10.70	76	191057	47.069	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	416292	256.782	ug/l	100
59) 2-Hexanone	10.74	43	545139	238.076	ug/l	99
60) Dibromochloromethane	10.89	129	134703	47.718	ug/l	99
61) 1,2-Dibromoethane	11.00	107	123549	47.910	ug/l	99
64) Tetrachloroethene	10.62	164	112442	43.772	ug/l	98
65) Chlorobenzene	11.43	112	322827	46.892	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	124501	47.804	ug/l	99
67) Ethyl Benzene	11.50	91	587653	47.327	ug/l	99
68) m/p-Xylenes	11.62	106	440470	94.517	ug/l	100
69) o-Xylene	11.94	106	214210	47.740	ug/l	99
70) Styrene	11.96	104	356798	49.311	ug/l	100
71) Bromoform	12.12	173	102662	49.009	ug/l #	99
73) Isopropylbenzene	12.25	105	585148	43.613	ug/l	100
74) N-amyl acetate	12.06	43	227666	47.057	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	172403	44.643	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	232637	67.676	ug/l #	100
77) Bromobenzene	12.52	156	308288	92.589	ug/l #	39
78) n-propylbenzene	12.59	91	677086	44.294	ug/l	100
79) 2-Chlorotoluene	12.67	91	396629	44.144	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	499474	44.774	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	62437	44.473	ug/l	98
82) 4-Chlorotoluene	12.77	91	410074	44.486	ug/l	100
83) tert-Butylbenzene	12.99	119	419907	42.551	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	496208	45.061	ug/l	100
85) sec-Butylbenzene	13.17	105	571756	43.748	ug/l	100
86) p-Isopropyltoluene	13.28	119	527106	44.515	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	264063	44.803	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	263346	44.690	ug/l	99
89) n-Butylbenzene	13.61	91	478411	45.935	ug/l	100
90) Hexachloroethane	13.87	117	95915	43.358	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	255878	44.362	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	36619	44.511	ug/l	98

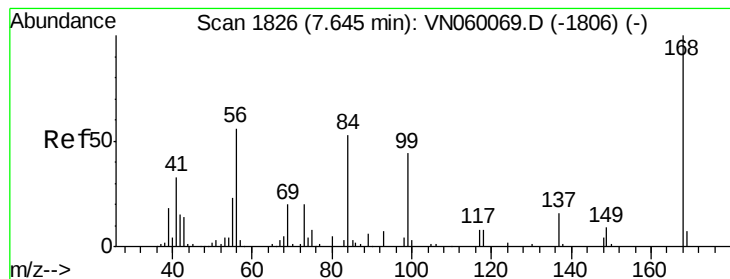
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	169315	49.958	ug/l	99
94) Hexachlorobutadiene	15.01	225	85998	43.344	ug/l	100
95) Naphthalene	15.13	128	470591	51.403	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	162328	48.097	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN060080.D

Acq: 12 Feb 2020 17:52

Instrument :

MSVOA_N

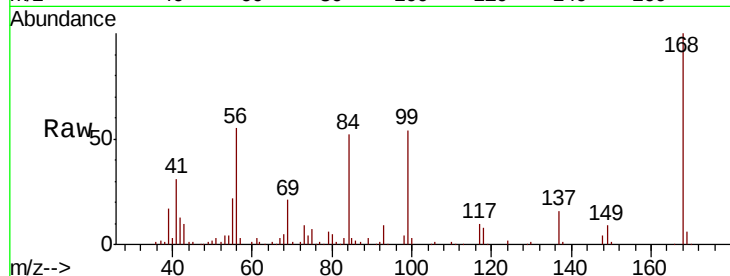
ClientSampled :

Tot Ion:168 Resp: 224638

Ion Ratio Lower Upper

168 100

99 54.2 42.7 64.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

100000

80000

60000

40000

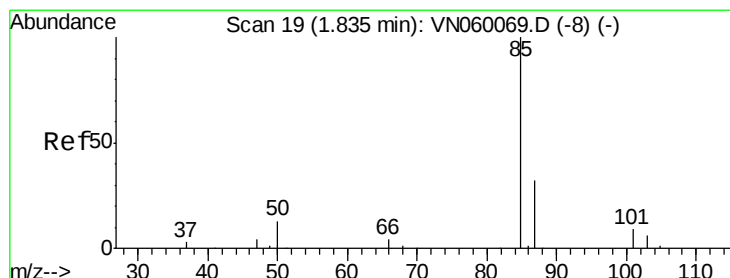
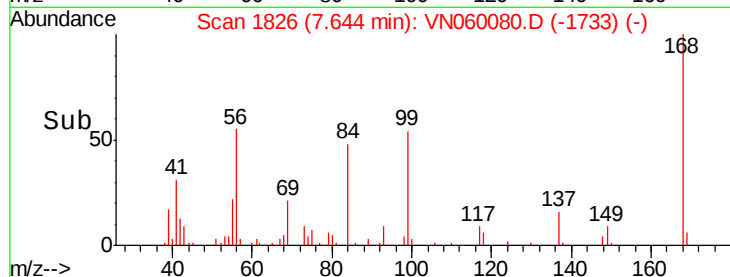
20000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 49.303 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN060080.D

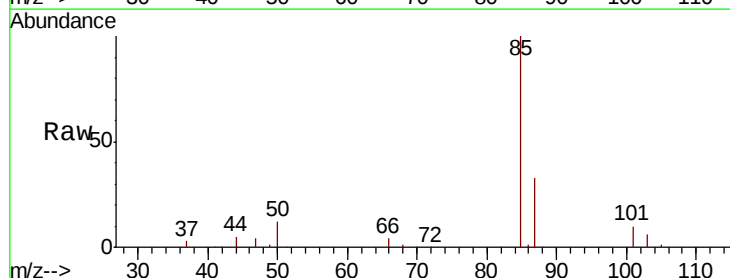
Acq: 12 Feb 2020 17:52

Tgt Ion: 85 Resp: 110703

Ion Ratio Lower Upper

85 100

87 32.6 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

80000

60000

40000

20000

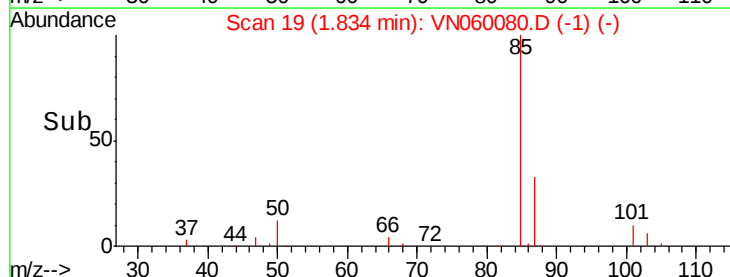
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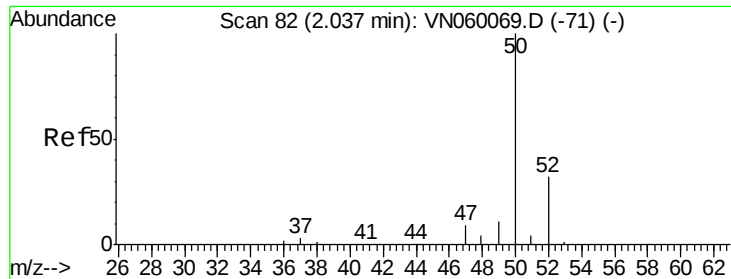
1.80

1.85

1.90

Time-->





#3

Chloromethane

Concen: 48.510 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN060080.D

Acq: 12 Feb 2020 17:52

Instrument :

MSVOA_N

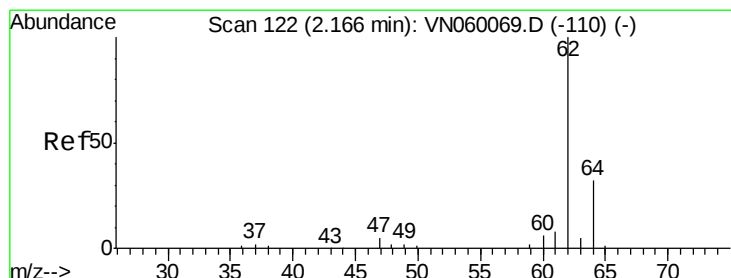
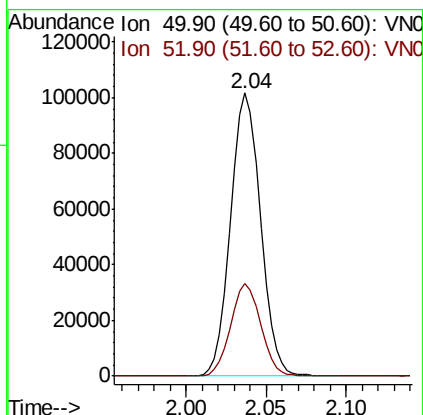
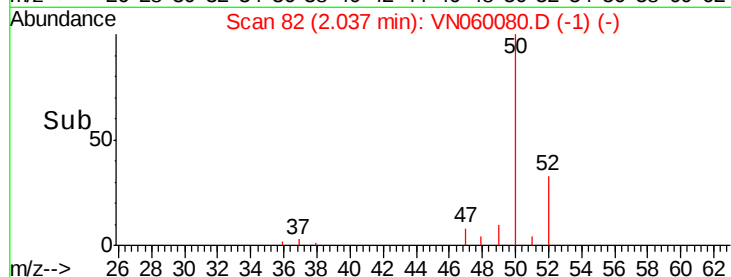
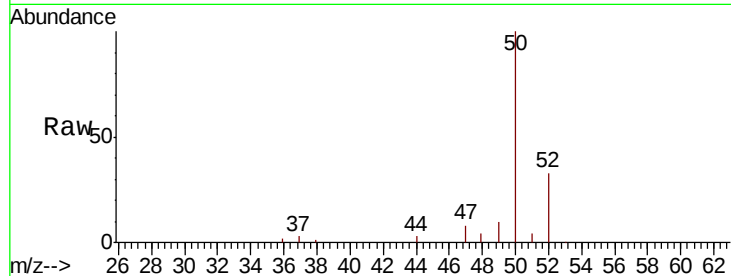
ClientSampled :

Tot Ion: 50 Resp: 129623

Ion Ratio Lower Upper

50 100

52 32.6 25.6 38.4



#4

Vinyl Chloride

Concen: 48.029 ug/l

RT: 2.17 min Scan# 122

Delta R.T. -0.00 min

Lab File: VN060080.D

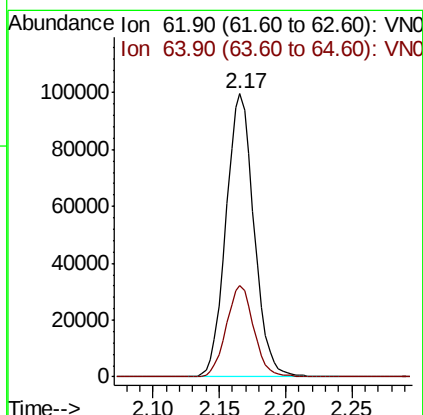
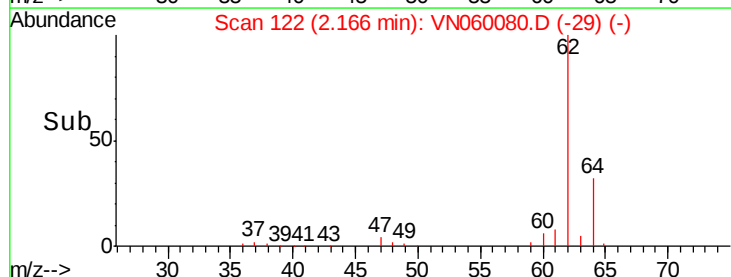
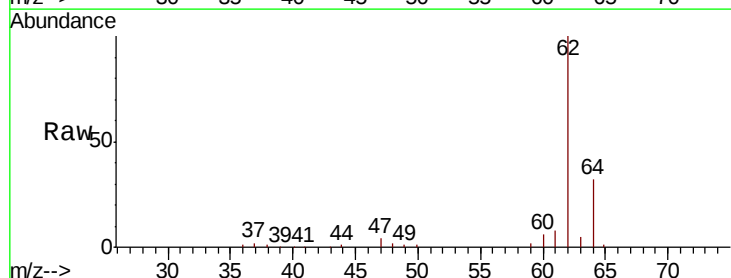
Acq: 12 Feb 2020 17:52

Tgt Ion: 62 Resp: 146284

Ion Ratio Lower Upper

62 100

64 32.2 25.9 38.9





#5

Bromomethane

Concen: 46.683 ug/l

RT: 2.54 min Scan# 239

Delta R.T. -0.00 min

Lab File: VN060080.D

Acq: 12 Feb 2020 17:52

Instrument :

MSVOA_N

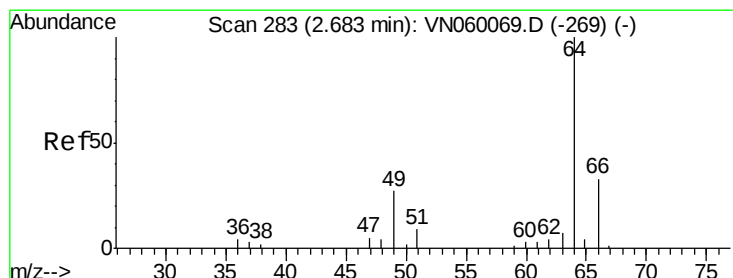
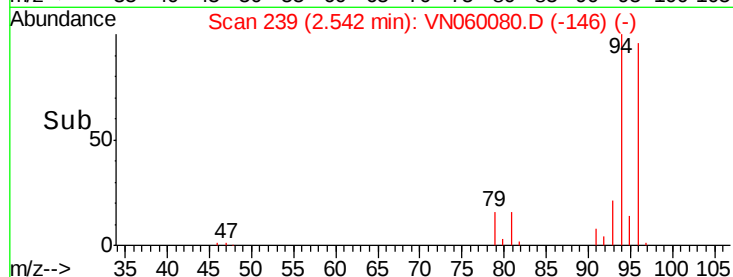
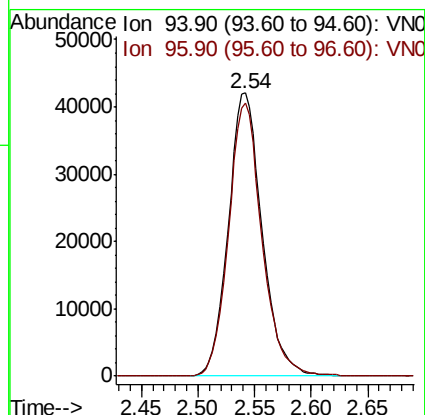
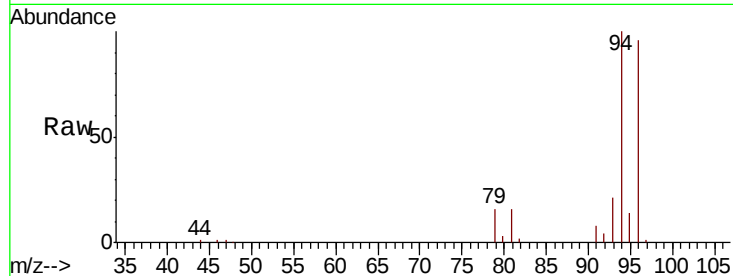
ClientSampleId :

Tot Ion: 94 Resp: 87183

Ion Ratio Lower Upper

94 100

96 96.5 76.7 115.1



#6

Chloroethane

Concen: 47.745 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN060080.D

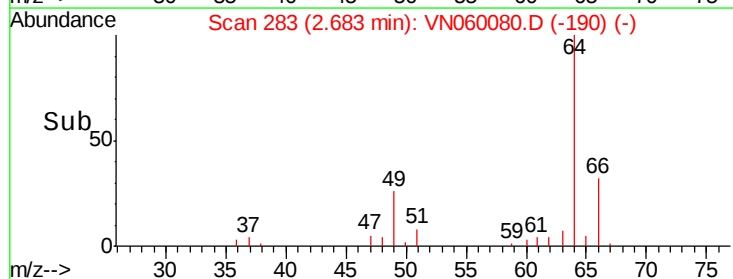
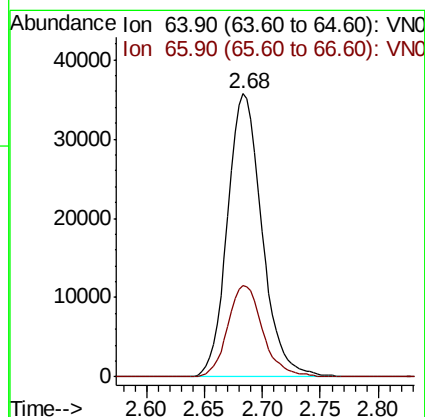
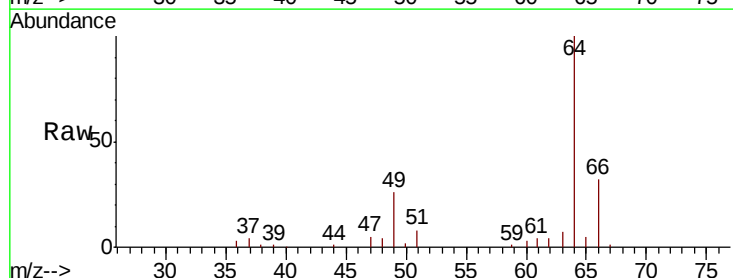
Acq: 12 Feb 2020 17:52

Tgt Ion: 64 Resp: 73552

Ion Ratio Lower Upper

64 100

66 32.1 26.6 40.0



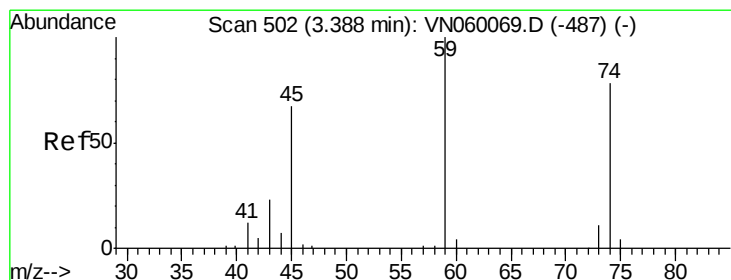
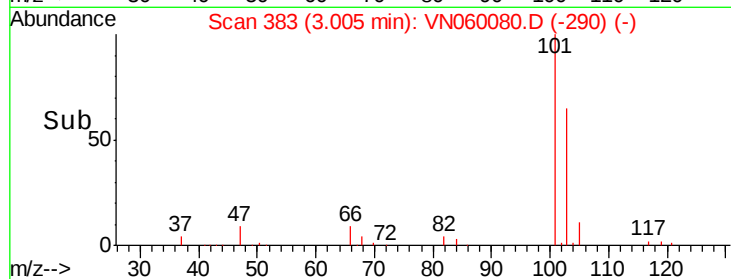
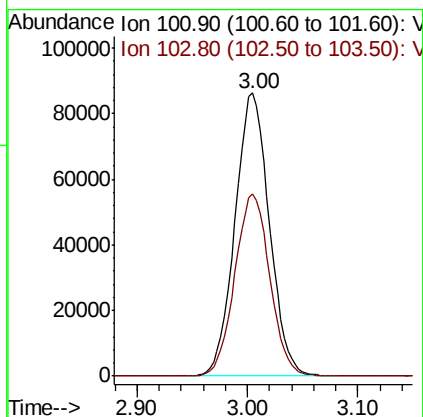
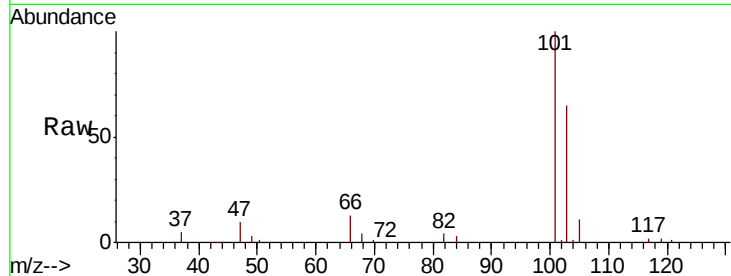


#7

Trichlorofluoromethane
 Concen: 47.435 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. -0.00 min
 Lab File: VN060080.D
 Acq: 12 Feb 2020 17:52

Instrument :
 MSVOA_N
 ClientSampleId :

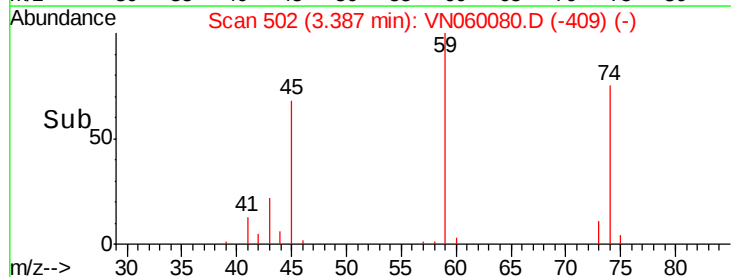
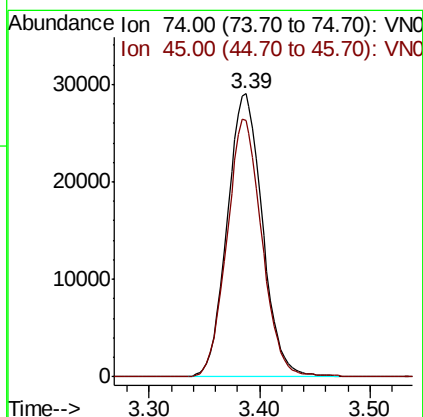
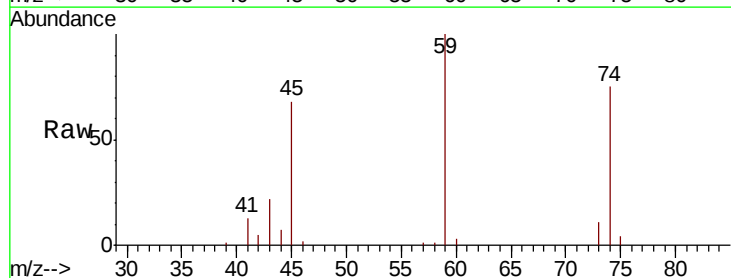
Tot Ion:101 Resp: 186273
 Ion Ratio Lower Upper
 101 100
 103 64.5 51.0 76.6



#8

Diethyl Ether
 Concen: 49.135 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN060080.D
 Acq: 12 Feb 2020 17:52

Tgt Ion: 74 Resp: 64228
 Ion Ratio Lower Upper
 74 100
 45 90.0 44.7 134.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.120 ug/l

RT: 3.74 min Scan# 612

Delta R.T. -0.00 min

Lab File: VN060080.D

Acq: 12 Feb 2020 17:52

Instrument :

MSVOA_N

ClientSampleId :

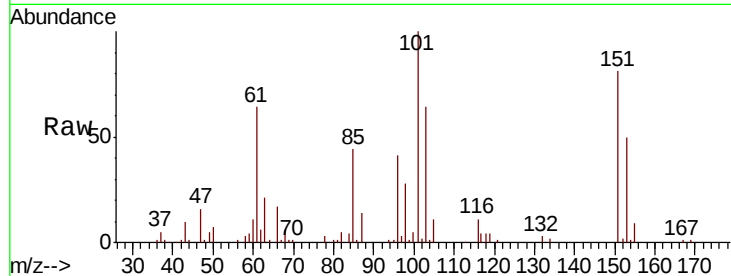
Tot Ion:101 Resp: 102729

Ion Ratio Lower Upper

101 100

85 44.6 35.1 52.7

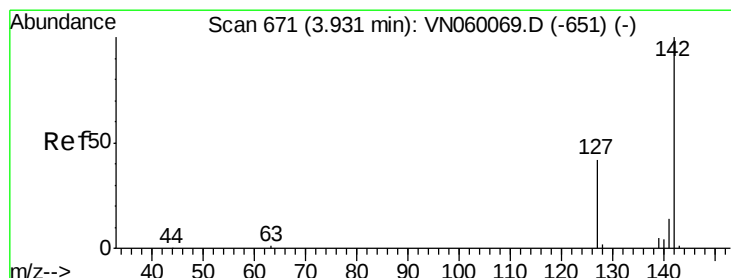
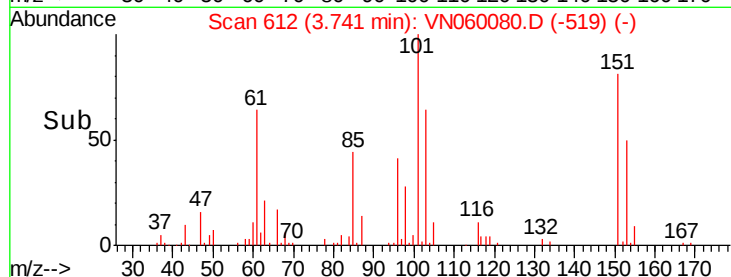
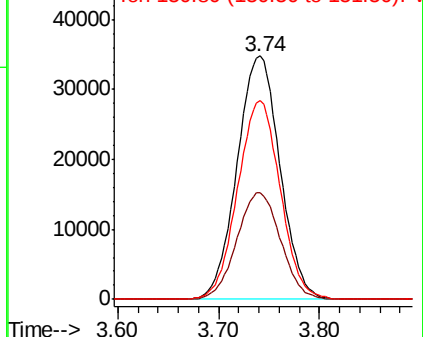
151 80.9 65.8 98.6



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: 48.485 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN060080.D

Acq: 12 Feb 2020 17:52

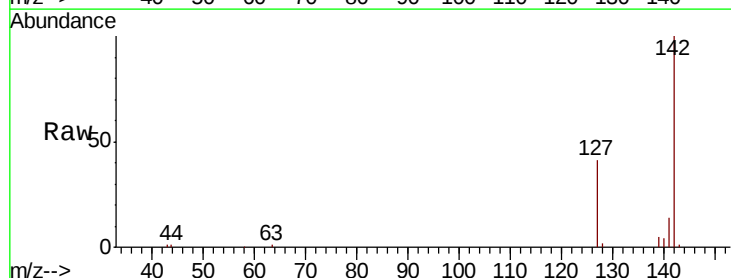
Tgt Ion:142 Resp: 141828

Ion Ratio Lower Upper

142 100

127 42.8 33.6 50.4

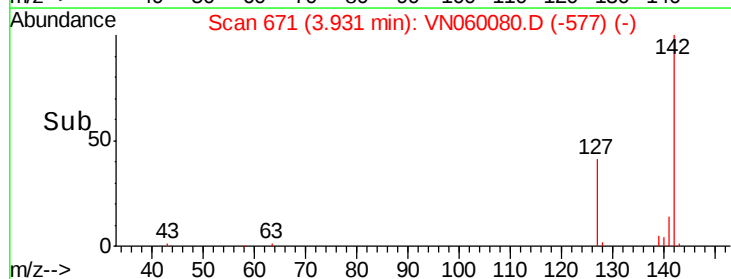
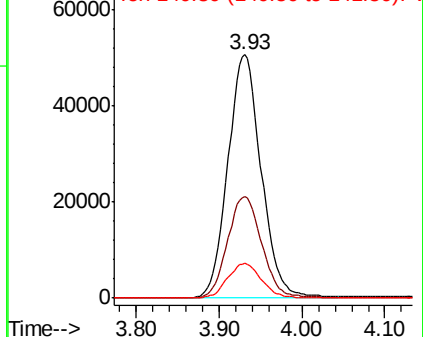
141 14.4 11.4 17.2

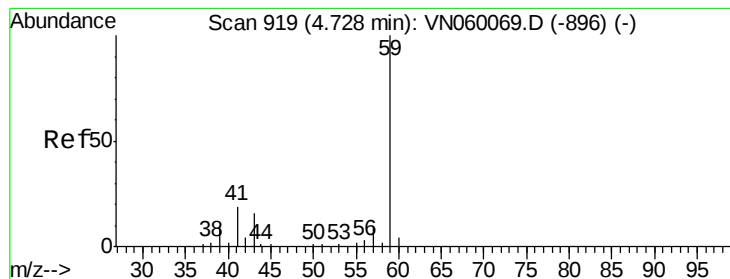


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



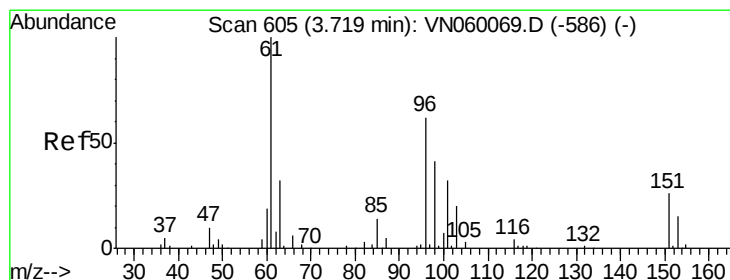
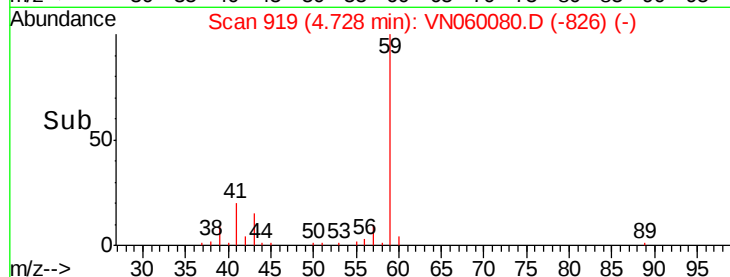
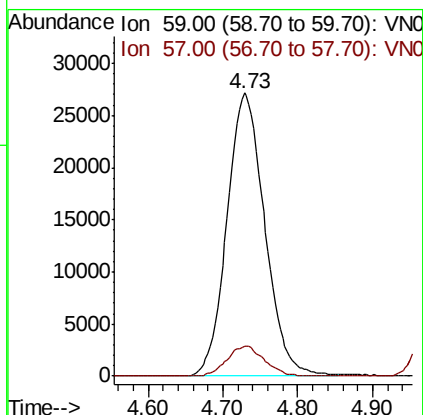
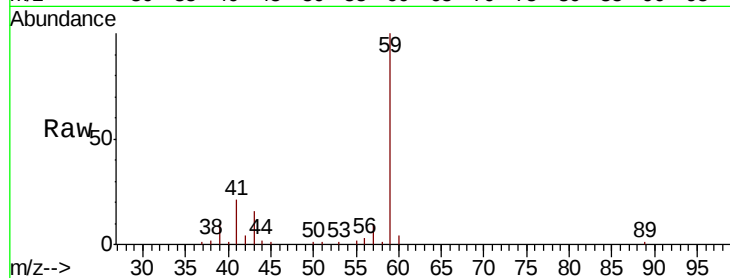


#11

Tert butyl alcohol
 Concen: 233.029 ug/l
 RT: 4.73 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VN060080.D
 Acq: 12 Feb 2020 17:52

Instrument :
 MSVOA_N
 ClientSampleId :

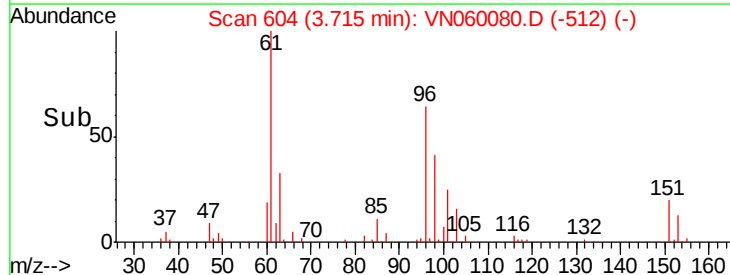
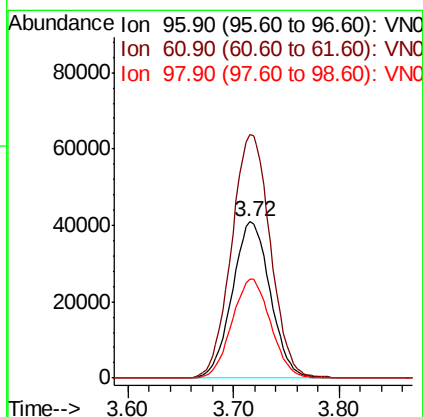
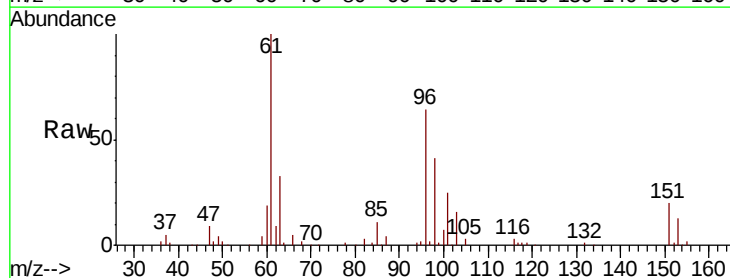
Tot Ion: 59 Resp: 95320
 Ion Ratio Lower Upper
 59 100
 57 10.5 8.2 12.4

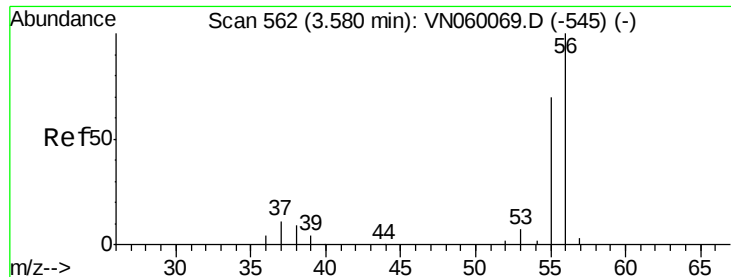


#12

1,1-Dichloroethene
 Concen: 48.430 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: VN060080.D
 Acq: 12 Feb 2020 17:52

Tgt Ion: 96 Resp: 102859
 Ion Ratio Lower Upper
 96 100
 61 155.7 128.3 192.5
 98 63.2 52.2 78.4





#13

Acrolein

Concen: 222.166 ug/l

RT: 3.58 min Scan# 561

Delta R.T. -0.00 min

Lab File: VN060080.D

Acq: 12 Feb 2020 17:52

Instrument :

MSVOA_N

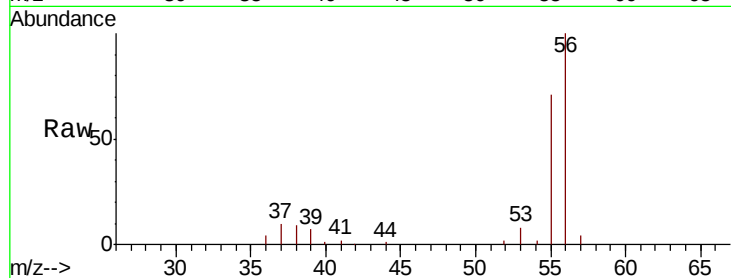
ClientSampled :

Tot Ion: 56 Resp: 89826

Ion Ratio Lower Upper

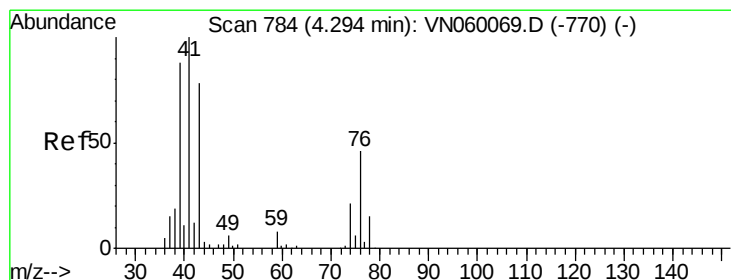
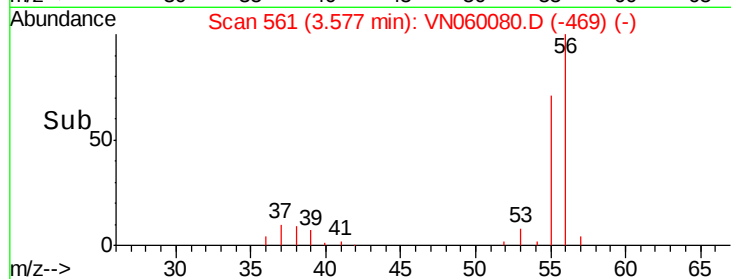
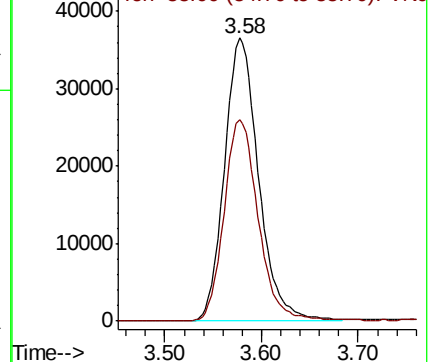
56 100

55 71.5 54.8 82.2



Abundance Ion 56.00 (55.70 to 56.70): VN060069.D (-545) (-)

Ion 55.00 (54.70 to 55.70): VN060069.D (-545) (-)



#14

Allyl chloride

Concen: 47.400 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN060080.D

Acq: 12 Feb 2020 17:52

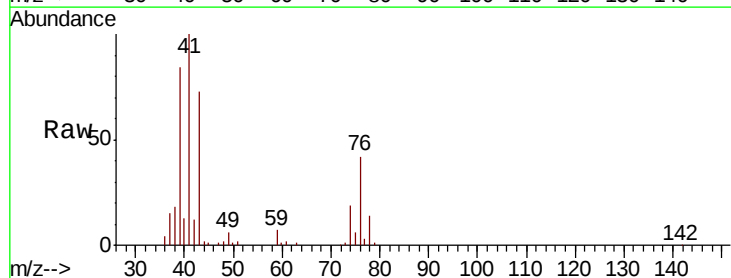
Tgt Ion: 41 Resp: 148173

Ion Ratio Lower Upper

41 100

39 80.7 67.8 101.8

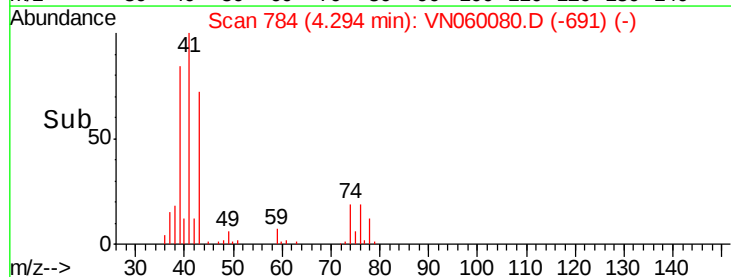
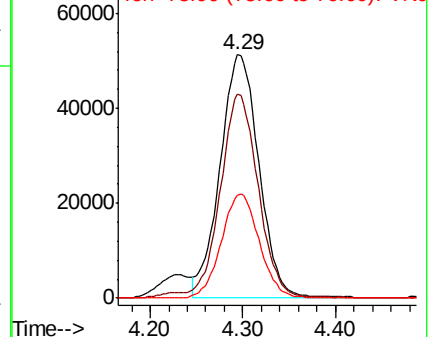
76 41.9 33.9 50.9

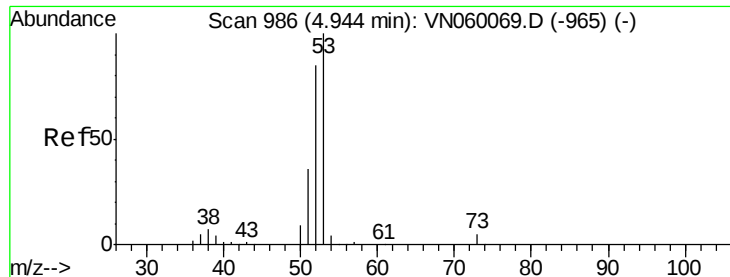


Abundance Ion 41.00 (40.70 to 41.70): VN060069.D (-770) (-)

Ion 39.00 (38.70 to 39.70): VN060069.D (-770) (-)

Ion 75.90 (75.60 to 76.60): VN060069.D (-770) (-)





#15

Acrylonitrile

Concen: 251.223 ug/l

RT: 4.95 min Scan# 987

Delta R.T. 0.00 min

Lab File: VN060080.D

Acq: 12 Feb 2020 17:52

Instrument :

MSVOA_N

ClientSampleId :

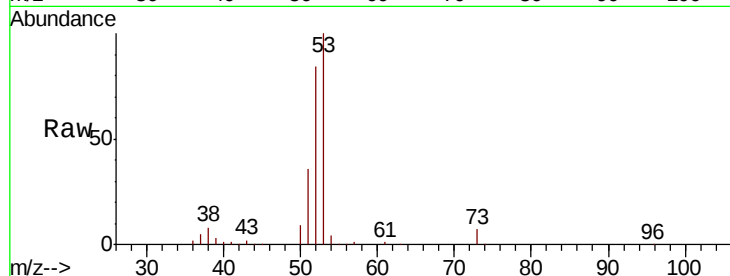
Tot Ion: 53 Resp: 250960

Ion Ratio Lower Upper

53 100

52 82.4 66.8 100.2

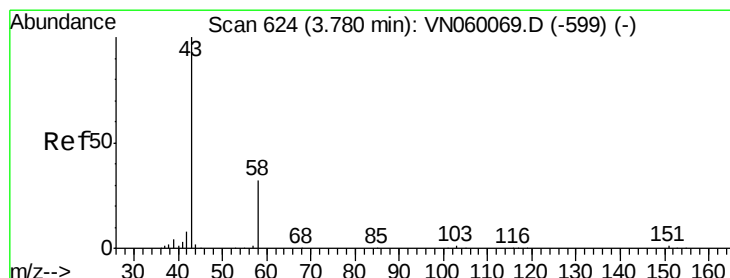
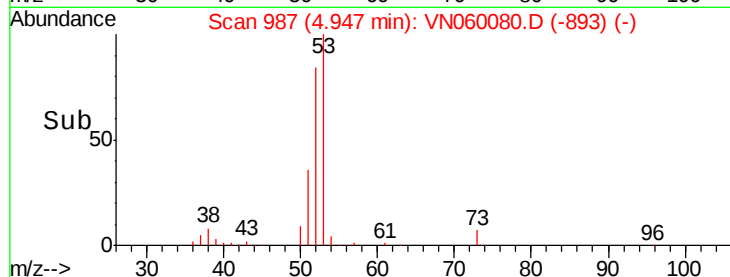
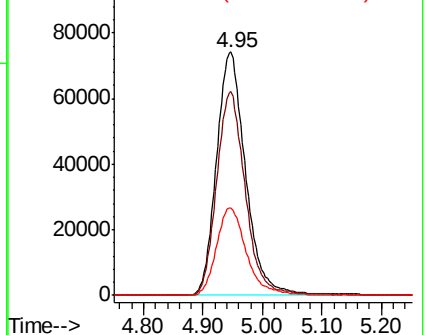
51 36.9 29.4 44.0



Abundance Ion 53.00 (52.70 to 53.70): VN060069.D (-965) (-)

Ion 52.00 (51.70 to 52.70): VN060069.D (-965) (-)

Ion 51.00 (50.70 to 51.70): VN060069.D (-965) (-)



#16

Acetone

Concen: 210.396 ug/l

RT: 3.78 min Scan# 624

Delta R.T. -0.00 min

Lab File: VN060080.D

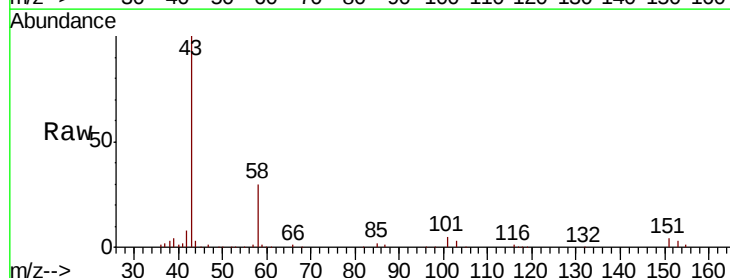
Acq: 12 Feb 2020 17:52

Tgt Ion: 43 Resp: 250860

Ion Ratio Lower Upper

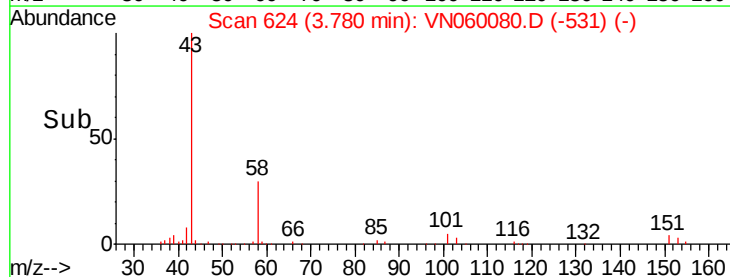
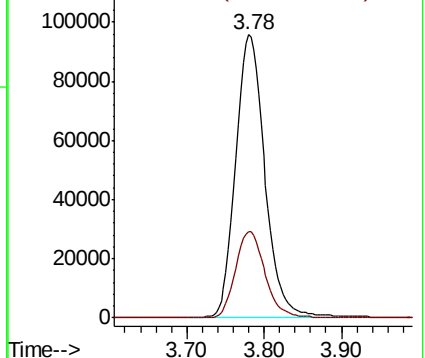
43 100

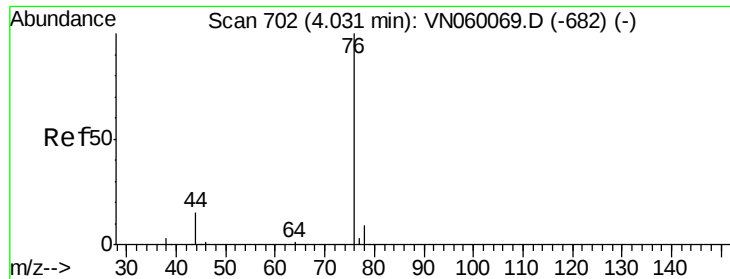
58 30.5 25.2 37.8



Abundance Ion 43.00 (42.70 to 43.70): VN060069.D (-599) (-)

Ion 58.00 (57.70 to 58.70): VN060069.D (-599) (-)

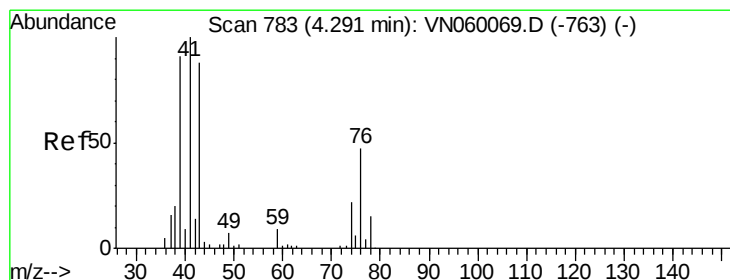
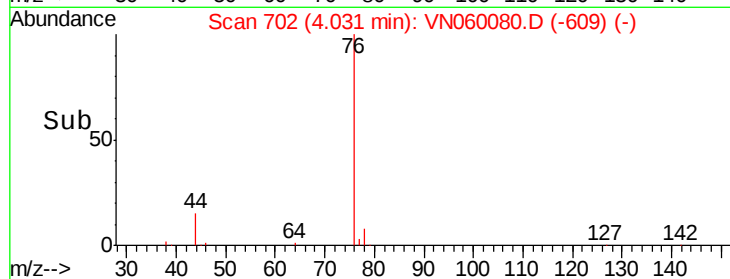
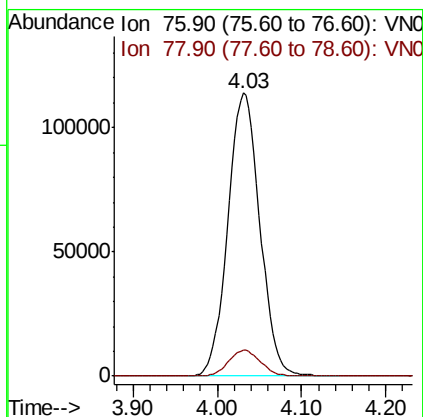
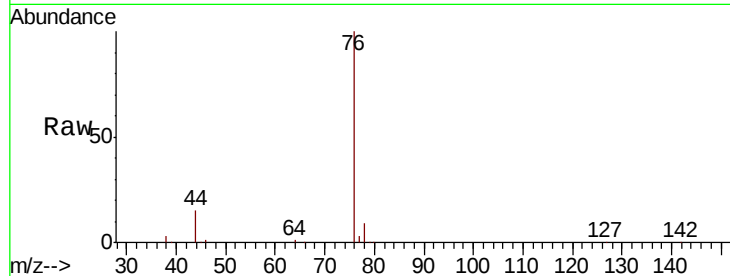




#17
Carbon Disulfide
Concen: 46.934 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN060080.D
Acq: 12 Feb 2020 17:52

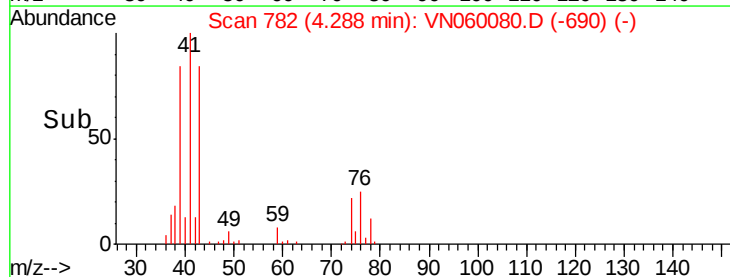
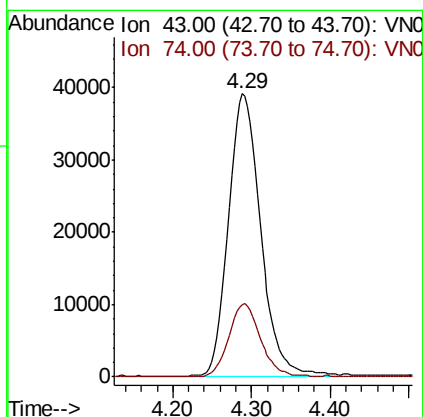
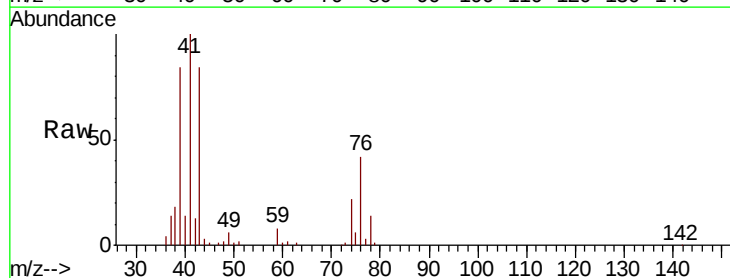
Instrument :
MSVOA_N
ClientSampled :

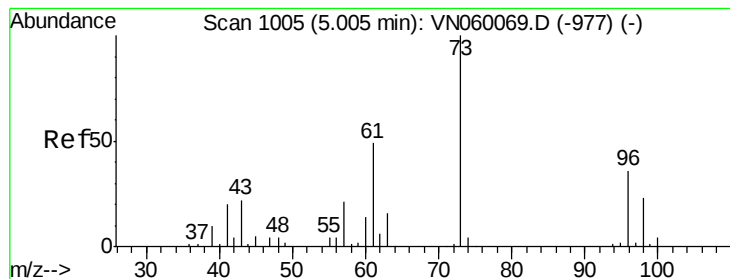
Tot Ion: 76 Resp: 300456
Ion Ratio Lower Upper
76 100
78 9.2 7.0 10.6



#18
Methyl Acetate
Concen: 50.208 ug/l
RT: 4.29 min Scan# 782
Delta R.T. -0.00 min
Lab File: VN060080.D
Acq: 12 Feb 2020 17:52

Tgt Ion: 43 Resp: 112456
Ion Ratio Lower Upper
43 100
74 25.3 20.3 30.5



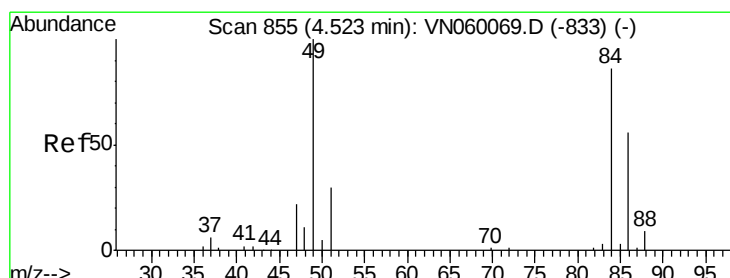
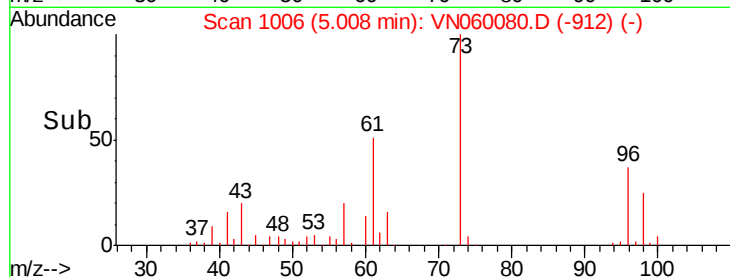
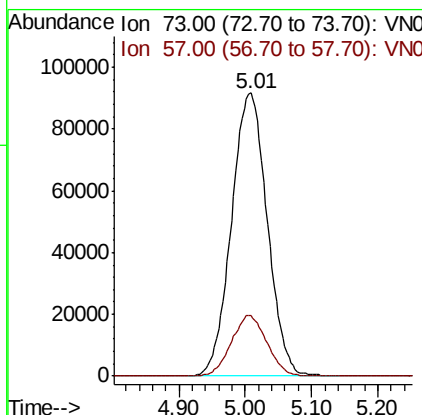
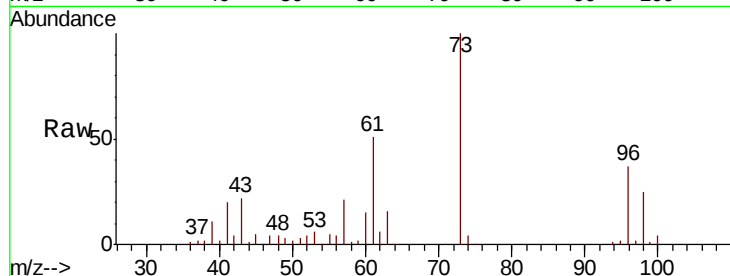


#19

Methvl tert-butvl Ether
 Concen: 48.056 ug/l
 RT: 5.01 min Scan# 1006
 Delta R.T. 0.00 min
 Lab File: VN060080.D
 Acq: 12 Feb 2020 17:52

Instrument :
 MSVOA_N
 ClientSampleId :

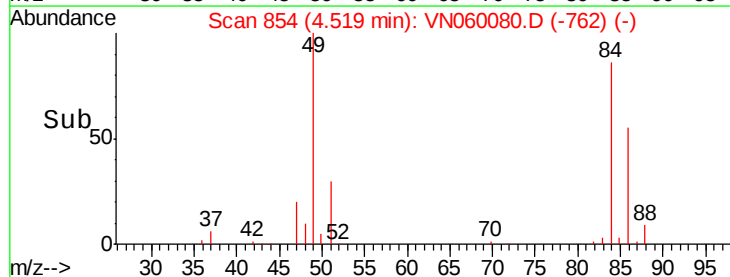
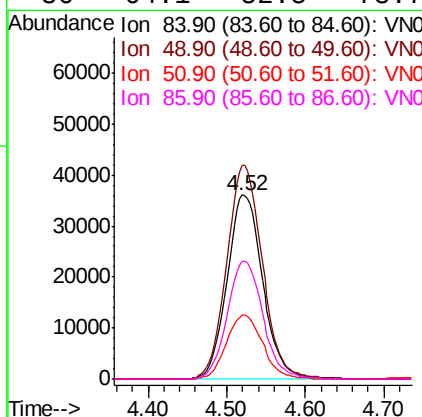
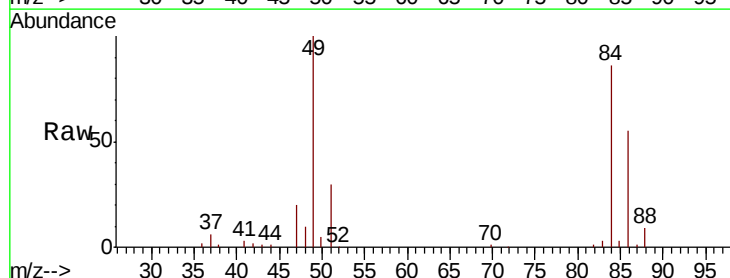
Tot Ion: 73 Resp: 343237
 Ion Ratio Lower Upper
 73 100
 57 21.3 17.2 25.8

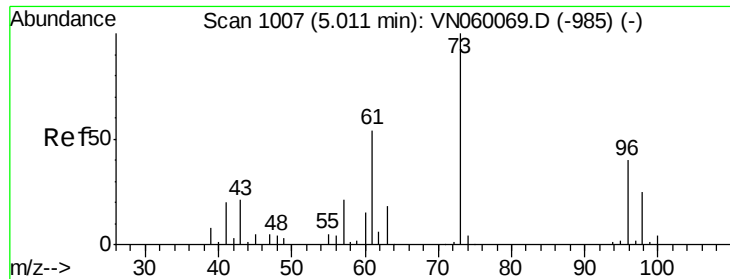


#20

Methylene Chloride
 Concen: 47.860 ug/l
 RT: 4.52 min Scan# 854
 Delta R.T. -0.00 min
 Lab File: VN060080.D
 Acq: 12 Feb 2020 17:52

Tgt Ion: 84 Resp: 113847
 Ion Ratio Lower Upper
 84 100
 49 115.9 93.4 140.0
 51 34.6 28.4 42.6
 86 64.1 52.5 78.7

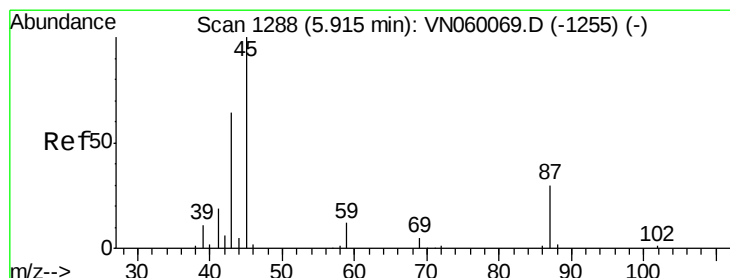
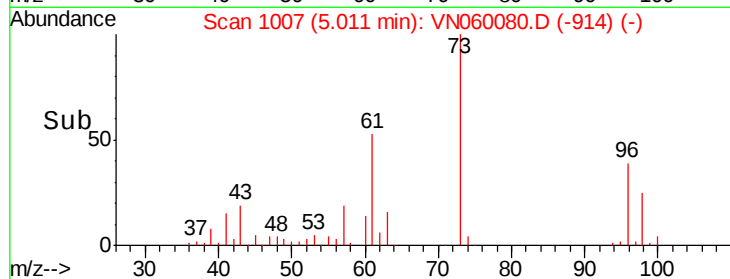
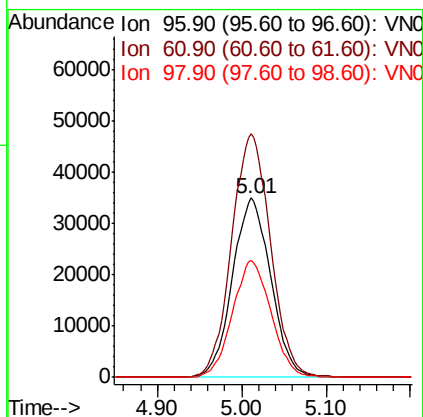
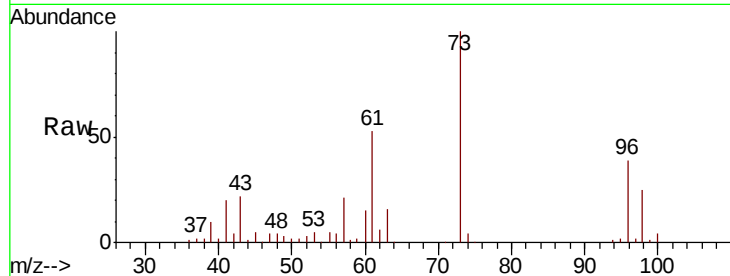




#21
trans-1,2-Dichloroethene
Concen: 47.743 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN060080.D
Acq: 12 Feb 2020 17:52

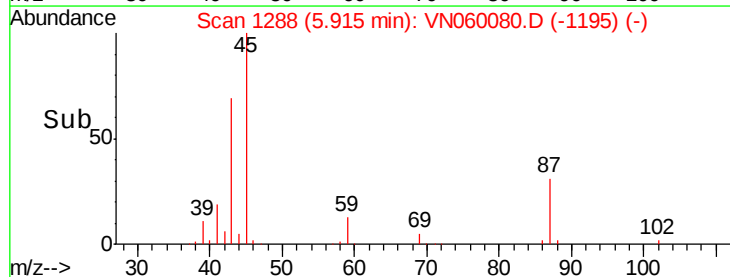
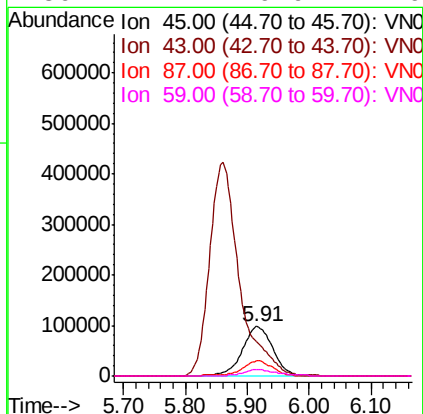
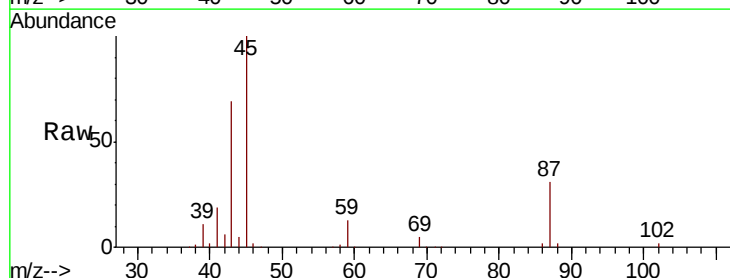
Instrument :
MSVOA_N
ClientSampleId :

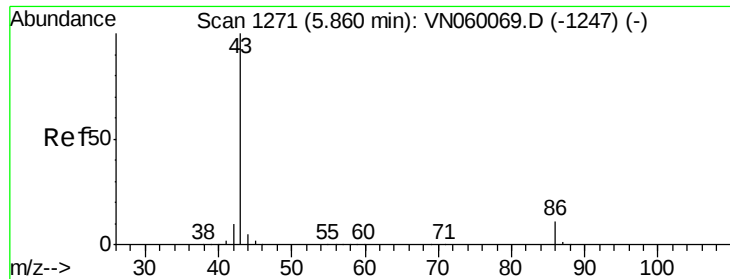
Tot Ion: 96 Resp: 110533
Ion Ratio Lower Upper
96 100
61 135.8 109.3 163.9
98 65.2 51.0 76.6



#22
Diisopropyl ether
Concen: 48.754 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VN060080.D
Acq: 12 Feb 2020 17:52

Tgt Ion: 45 Resp: 334011
Ion Ratio Lower Upper
45 100
43 68.3 55.9 83.9
87 30.7 24.5 36.7
59 12.7 9.9 14.9





#23

Vinyl Acetate

Concen: 247.411 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VN060080.D

Acq: 12 Feb 2020 17:52

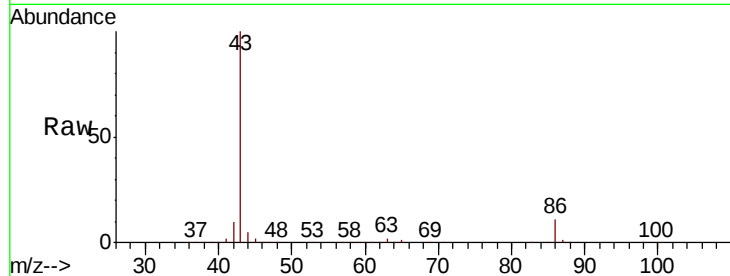
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 1423406

Ion Ratio Lower Upper

43 100

86 11.0 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VN060069.D (-1247) (-)

Ion 86.00 (85.70 to 86.70): VN060069.D (-1247) (-)

5.86

400000

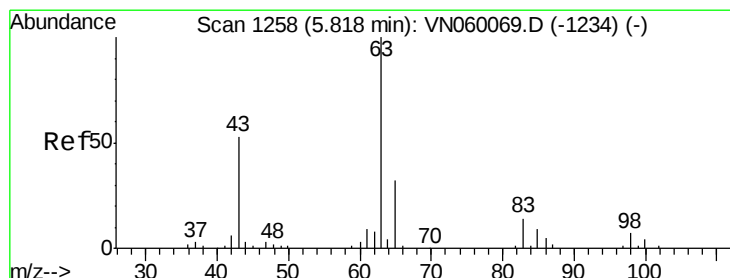
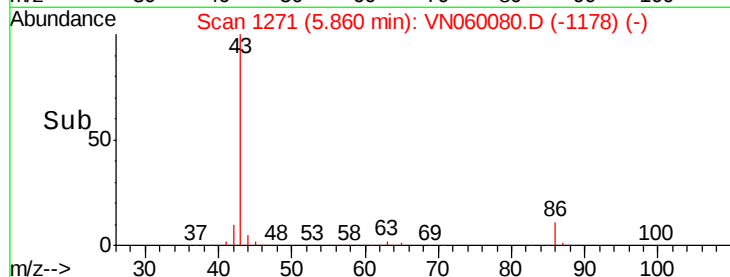
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 47.601 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN060080.D

Acq: 12 Feb 2020 17:52

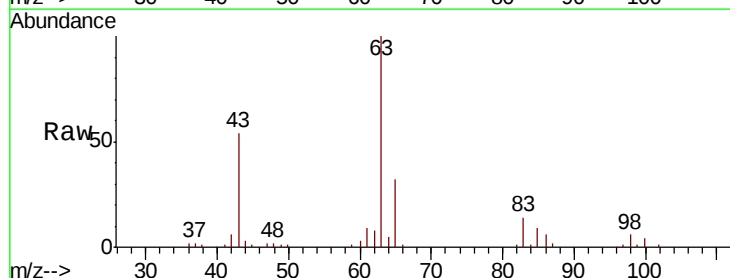
Tgt Ion: 63 Resp: 197556

Ion Ratio Lower Upper

63 100

98 6.4 3.5 10.5

100 4.3 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VN060069.D (-1234) (-)

Ion 97.90 (97.60 to 98.60): VN060069.D (-1234) (-)

Ion 99.90 (99.60 to 100.60): VN060069.D (-1234) (-)

5.82

80000

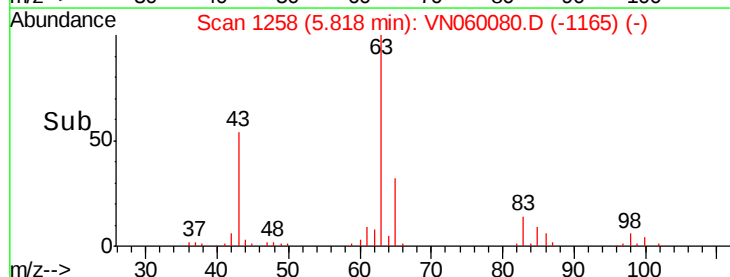
60000

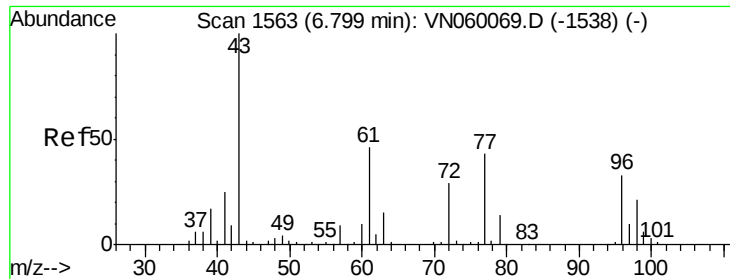
40000

20000

0

Time-->





#25

2-Butanone

Concen: 233.478 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN060080.D

Acq: 12 Feb 2020 17:52

Instrument :

MSVOA_N

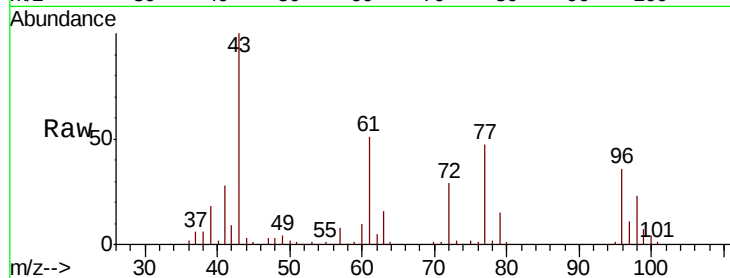
ClientSampled :

Tot Ion: 43 Resp: 350113

Ion Ratio Lower Upper

43 100

72 28.6 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VN060069.D (-1538) (-)

Ion 72.00 (71.70 to 72.70): VN060069.D (-1538) (-)

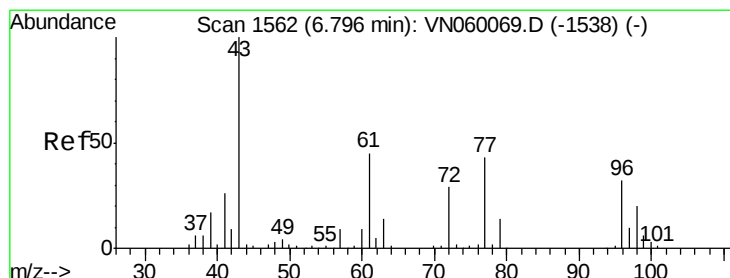
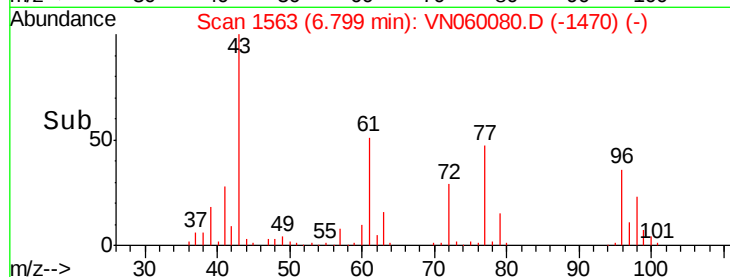
6.80

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 47.248 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060080.D

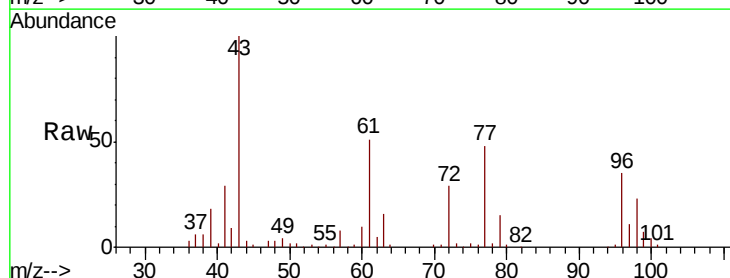
Acq: 12 Feb 2020 17:52

Tgt Ion: 77 Resp: 186250

Ion Ratio Lower Upper

77 100

97 22.9 11.4 34.2



Abundance Ion 76.90 (76.60 to 77.60): VN060069.D (-1538) (-)

Ion 96.90 (96.60 to 97.60): VN060069.D (-1538) (-)

6.80

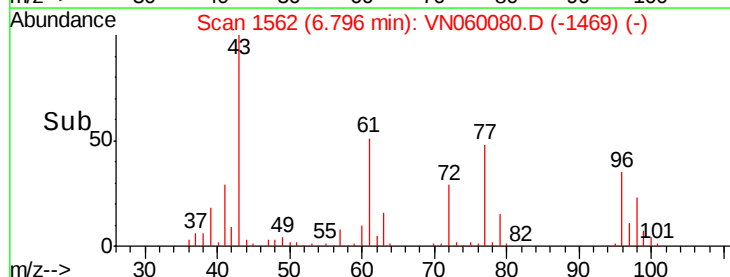
60000

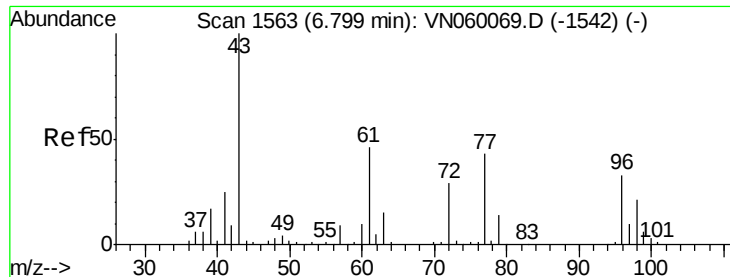
40000

20000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 47.155 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN060080.D

Acq: 12 Feb 2020 17:52

Instrument :
MSVOA_N
ClientSampled :

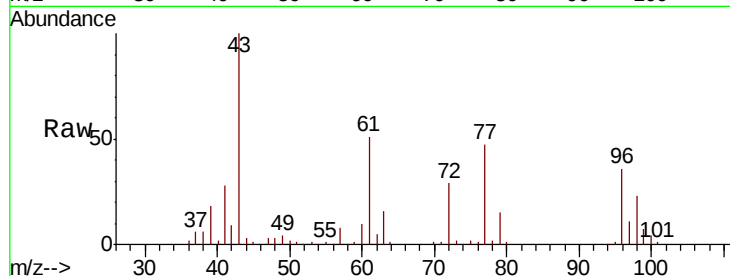
Tot Ion: 96 Resp: 127765

Ion Ratio Lower Upper

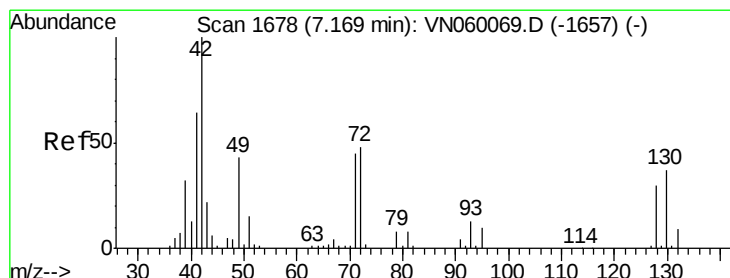
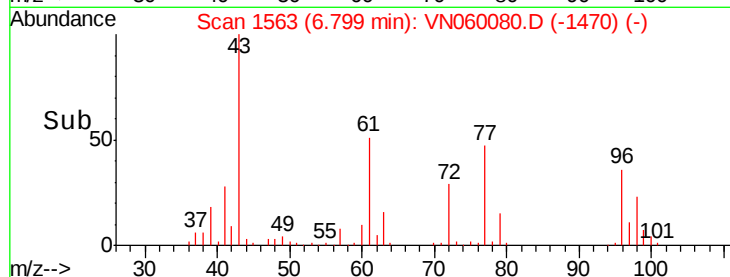
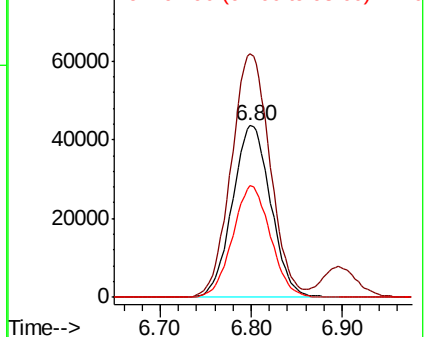
96 100

61 143.1 0.0 285.8

98 64.0 0.0 129.6



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: 48.964 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. -0.00 min

Lab File: VN060080.D

Acq: 12 Feb 2020 17:52

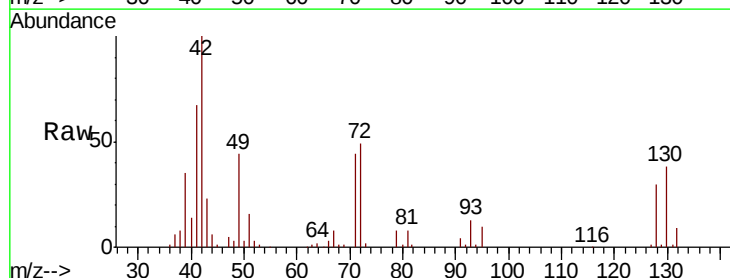
Tgt Ion: 49 Resp: 79889

Ion Ratio Lower Upper

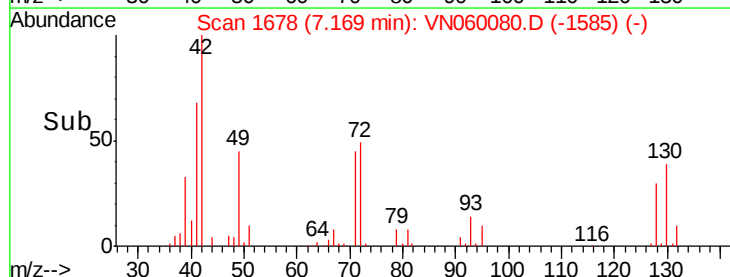
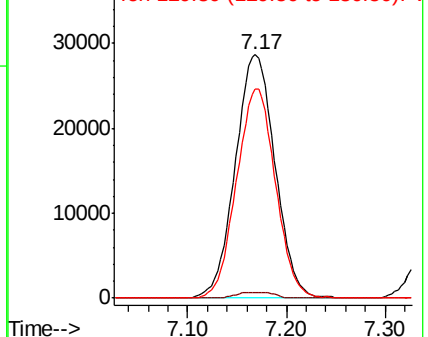
49 100

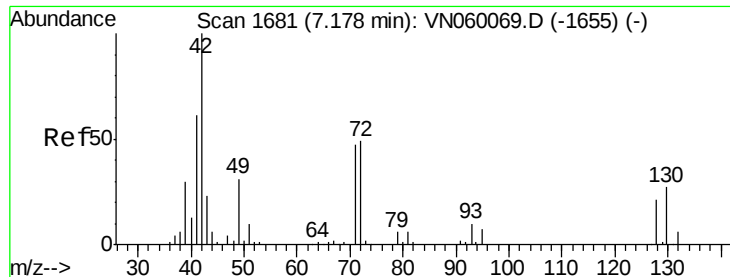
129 1.1 0.0 2.2

130 84.1 66.8 100.2



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

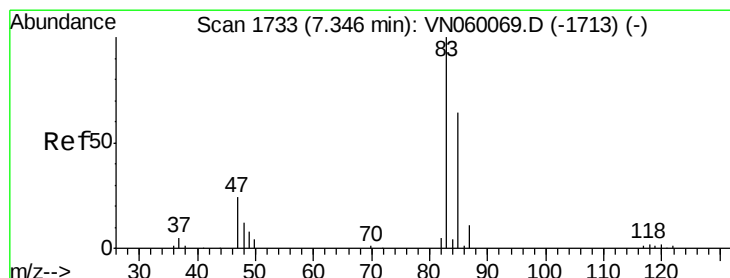
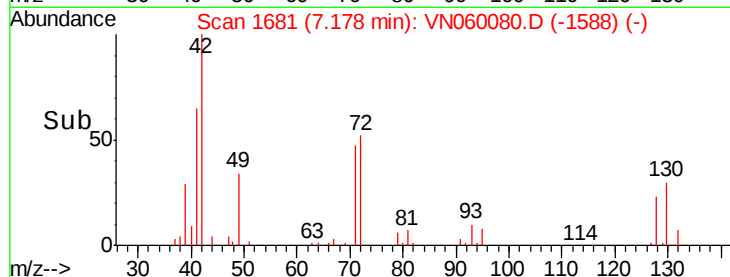
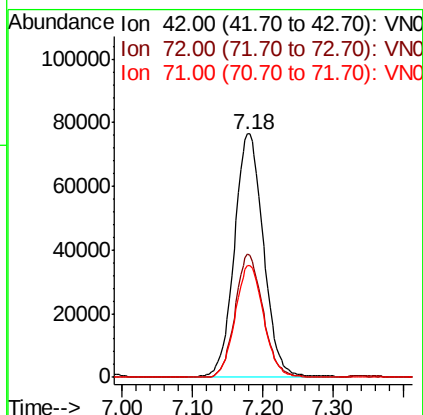
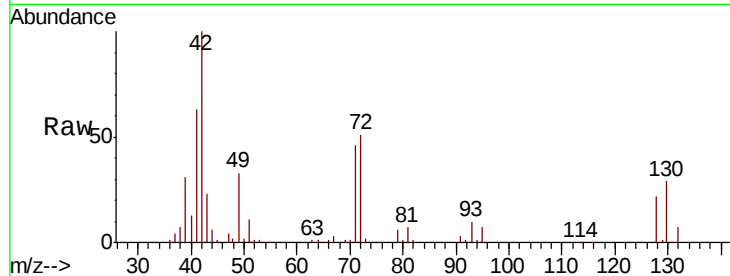




#29
Tetrahydrofuran
Concen: 240.262 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VN060080.D
Acq: 12 Feb 2020 17:52

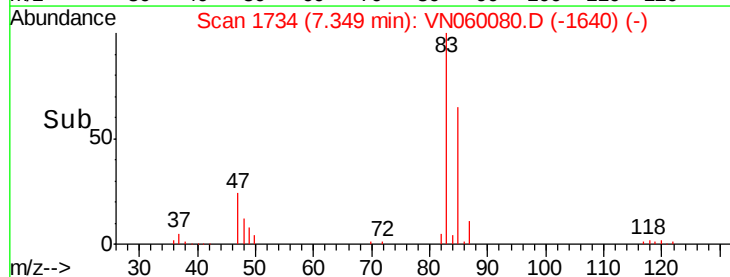
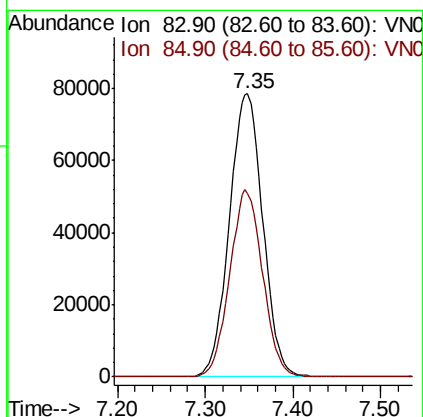
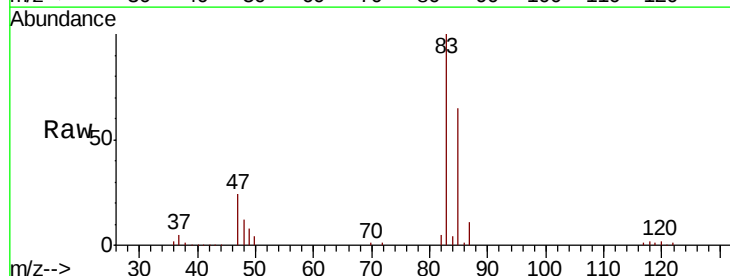
Instrument :
MSVOA_N
ClientSampled :

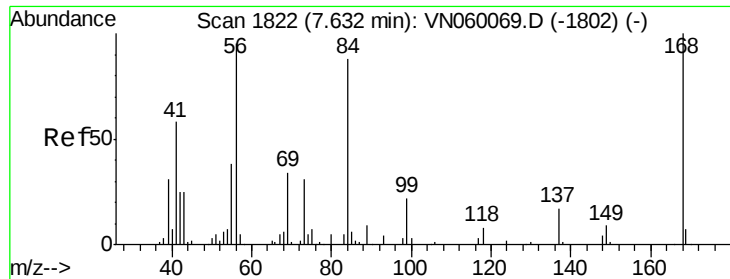
Tot Ion: 42 Resp: 221029
Ion Ratio Lower Upper
42 100
72 48.2 38.2 57.4
71 44.9 36.6 54.8



#30
Chloroform
Concen: 47.909 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN060080.D
Acq: 12 Feb 2020 17:52

Tgt Ion: 83 Resp: 208283
Ion Ratio Lower Upper
83 100
85 65.0 51.4 77.0

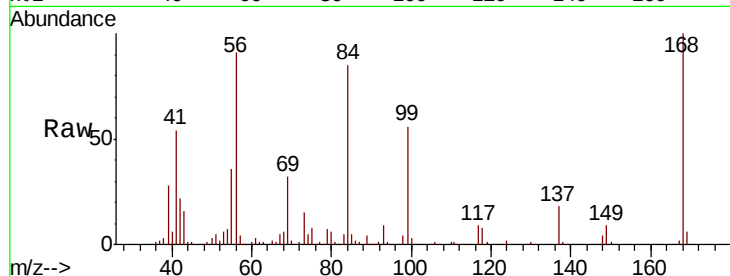




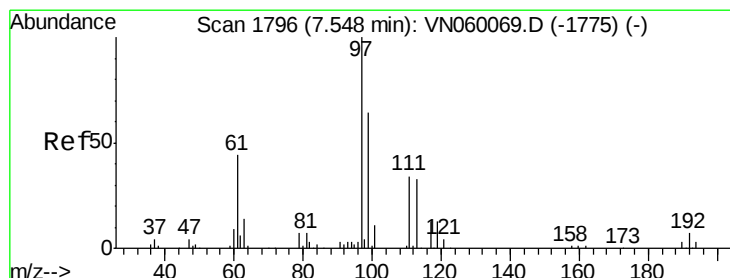
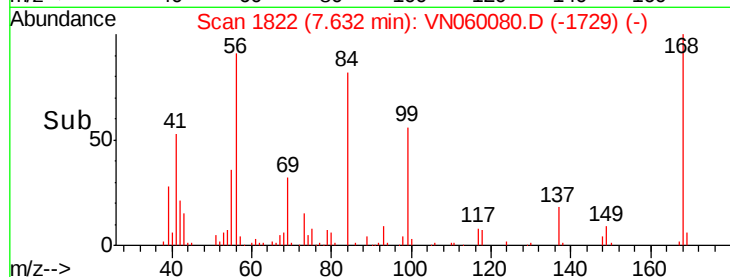
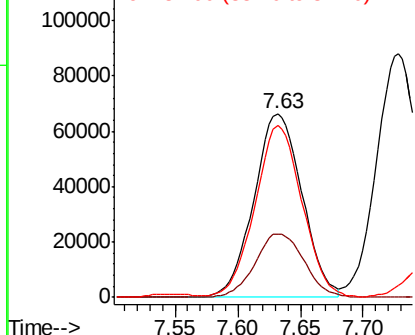
#31
Cyclohexane
Concen: 45.805 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN060080.D
Acq: 12 Feb 2020 17:52

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 177086
Ion Ratio Lower Upper
56 100
69 34.7 28.3 42.5
84 92.1 72.6 108.8

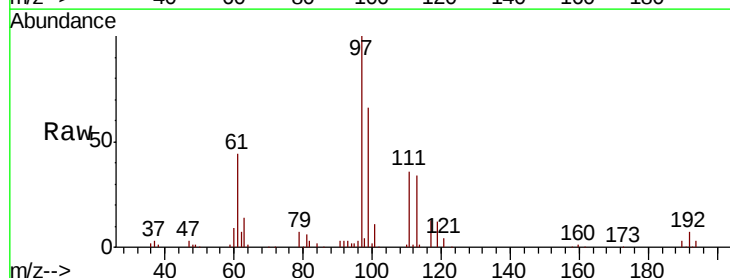


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

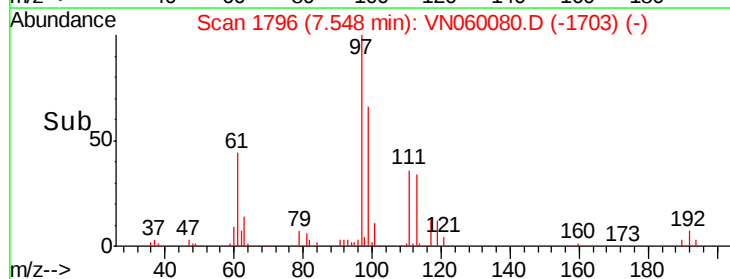
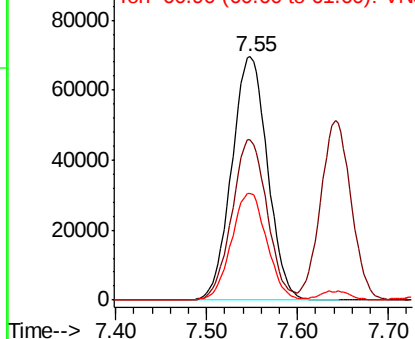


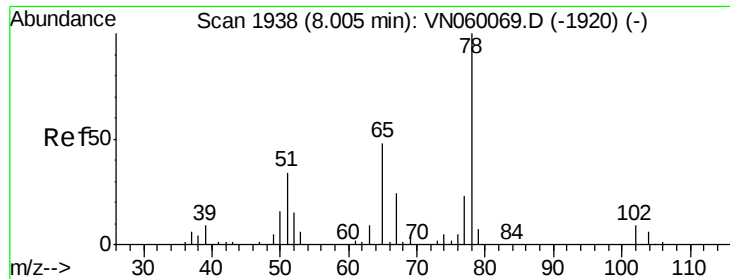
#32
1,1,1-Trichloroethane
Concen: 47.836 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN060080.D
Acq: 12 Feb 2020 17:52

Tgt Ion: 97 Resp: 190043
Ion Ratio Lower Upper
97 100
99 65.0 51.4 77.0
61 43.4 34.9 52.3



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

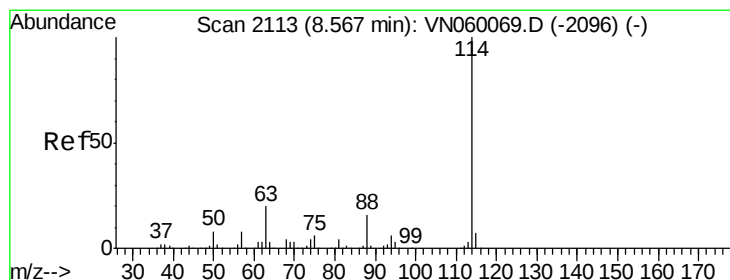
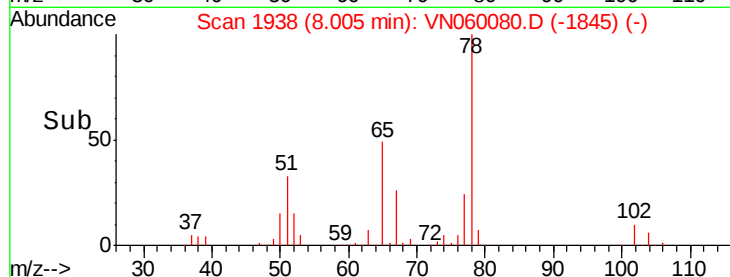
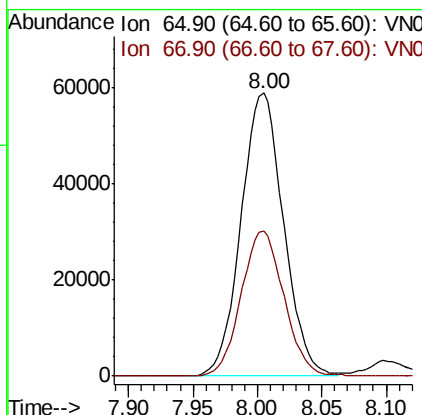
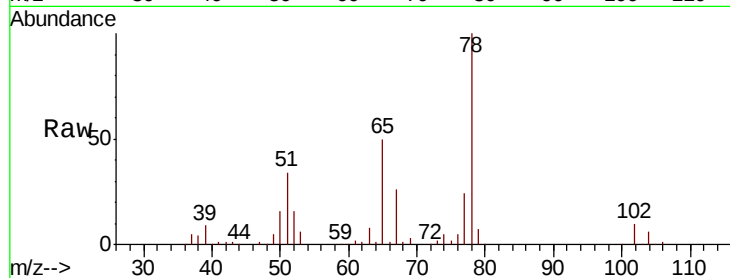




#33
 1,2-Dichloroethane-d4
 Concen: 49.469 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN060080.D
 Acq: 12 Feb 2020 17:52

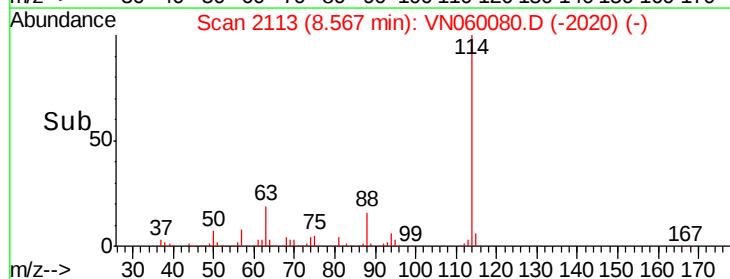
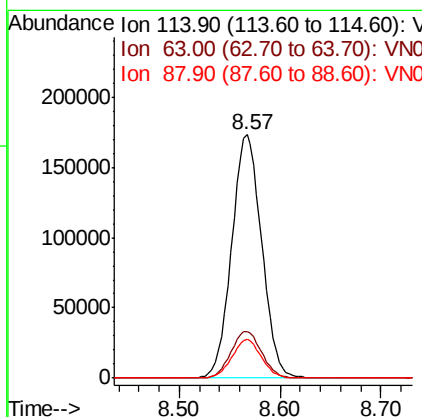
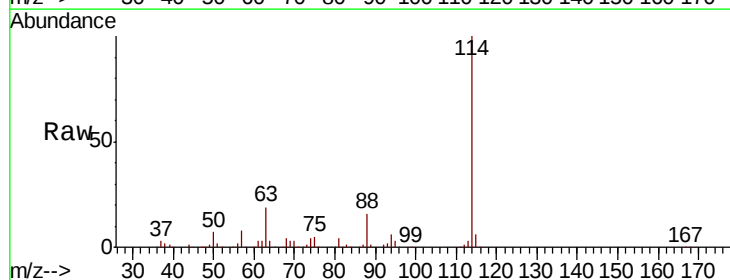
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 65 Resp: 135221
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060080.D
 Acq: 12 Feb 2020 17:52

Tgt Ion: 114 Resp: 357879
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 40.0
 88 15.8 0.0 31.6

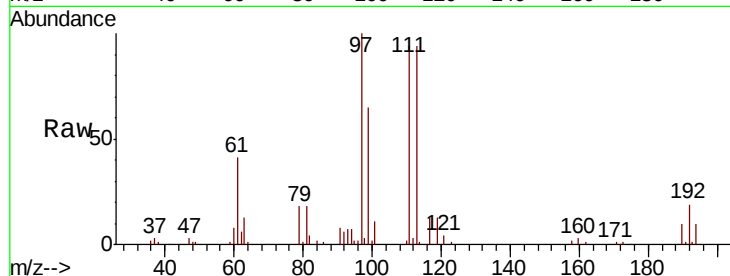




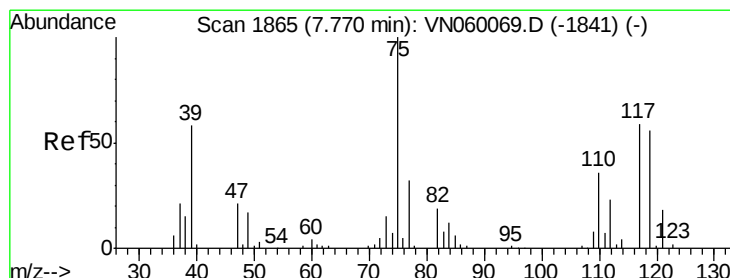
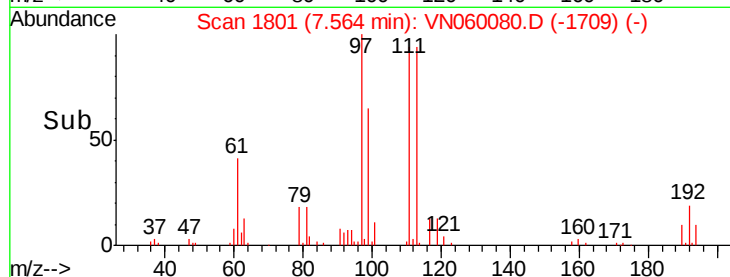
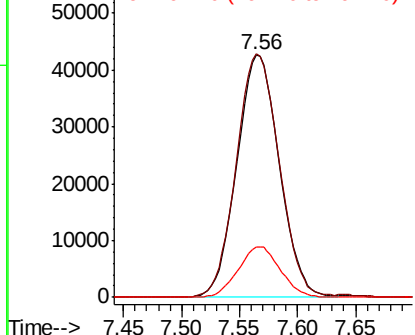
#35
 Dibromofluoromethane
 Concen: 49.372 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060080.D
 Acq: 12 Feb 2020 17:52

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:113 Resp: 108612
 Ion Ratio Lower Upper
 113 100
 111 101.4 81.4 122.2
 192 20.6 16.2 24.2

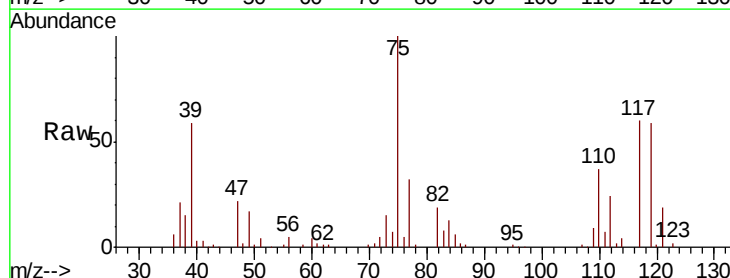


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

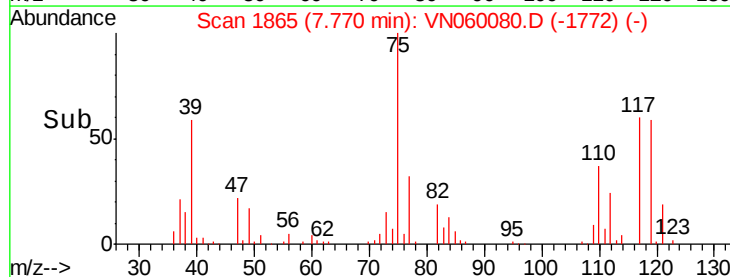
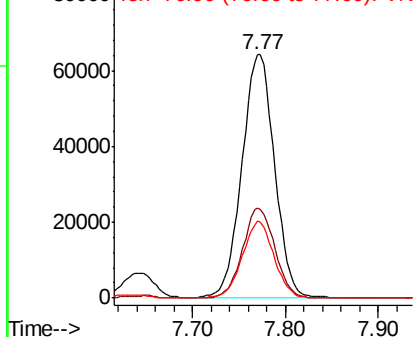


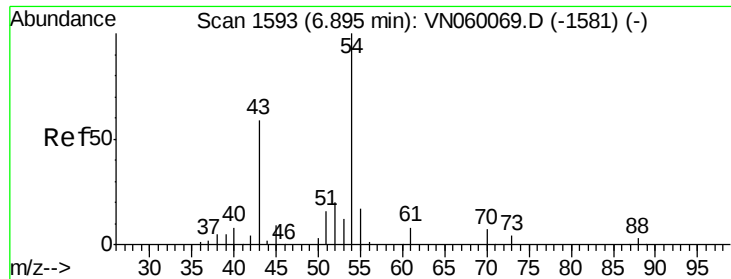
#36
 1,1-Dichloropropene
 Concen: 47.450 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN060080.D
 Acq: 12 Feb 2020 17:52

Tgt Ion: 75 Resp: 157288
 Ion Ratio Lower Upper
 75 100
 110 36.2 18.1 54.3
 77 30.6 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

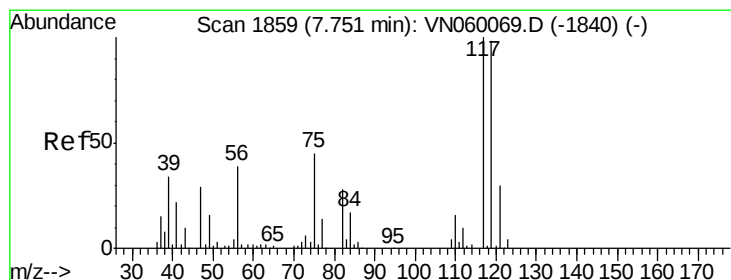
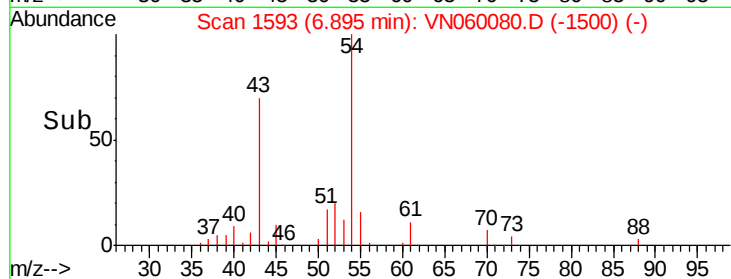
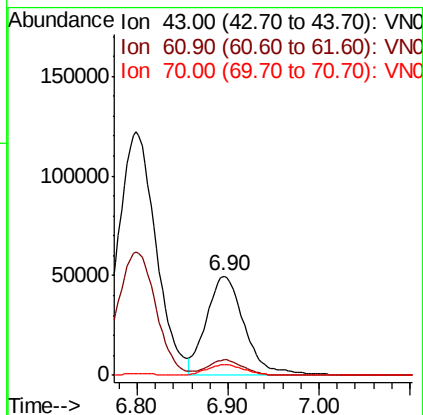
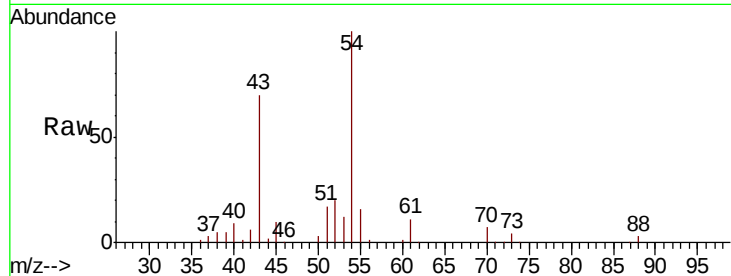




#37
Ethyl Acetate
Concen: 47.581 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. -0.00 min
Lab File: VN060080.D
Acq: 12 Feb 2020 17:52

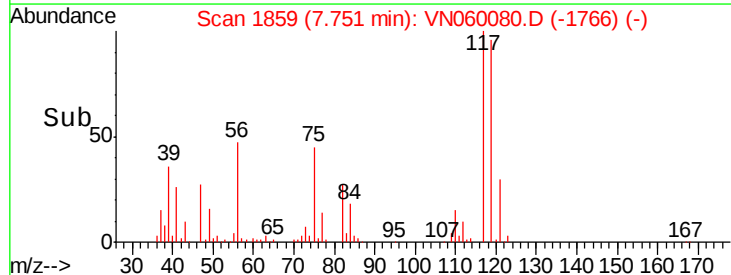
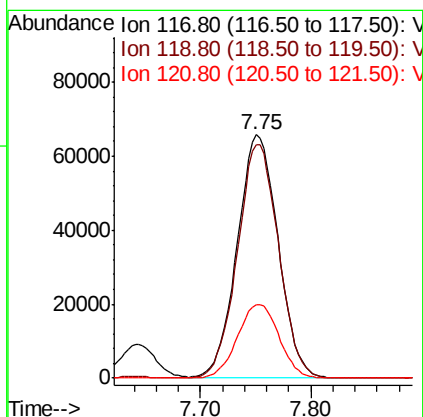
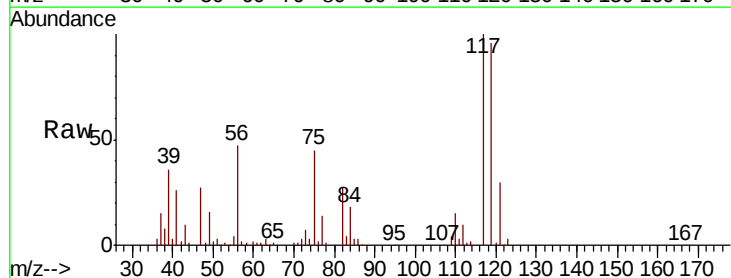
Instrument :
MSVOA_N
ClientSampleId :

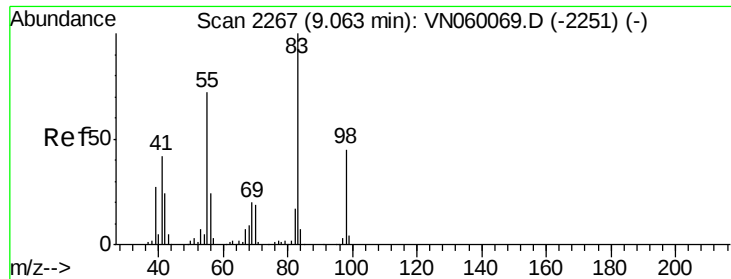
Tot Ion: 43 Resp: 142546
Ion Ratio Lower Upper
43 100
61 15.0 11.4 17.2
70 10.7 8.7 13.1



#38
Carbon Tetrachloride
Concen: 46.968 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN060080.D
Acq: 12 Feb 2020 17:52

Tgt Ion: 117 Resp: 169088
Ion Ratio Lower Upper
117 100
119 95.9 78.2 117.4
121 30.1 24.2 36.2

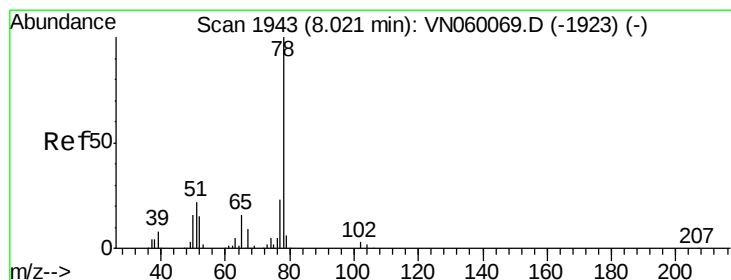
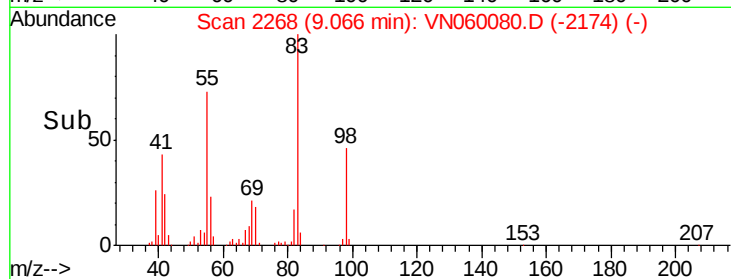
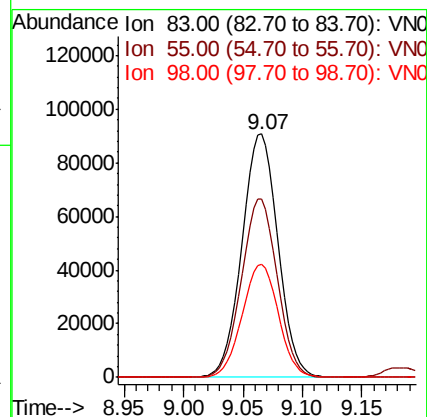
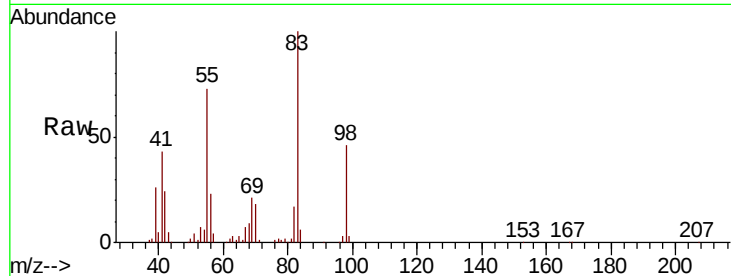




#39
Methvlcvclohexane
Concen: 46.333 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN060080.D
Acq: 12 Feb 2020 17:52

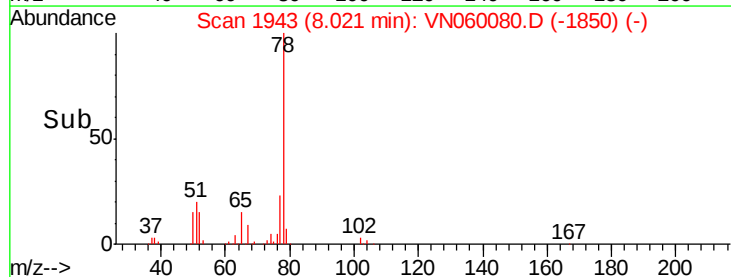
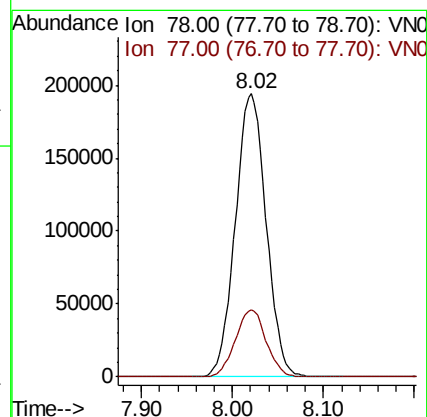
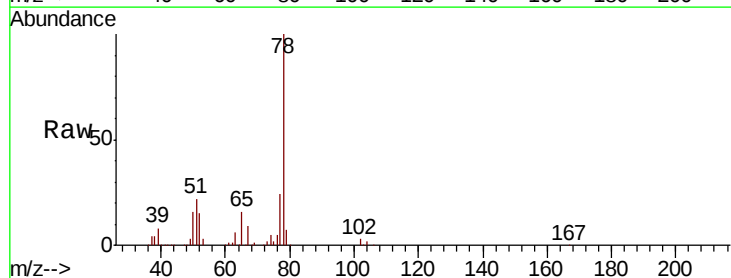
Instrument :
MSVOA_N
ClientSampled :

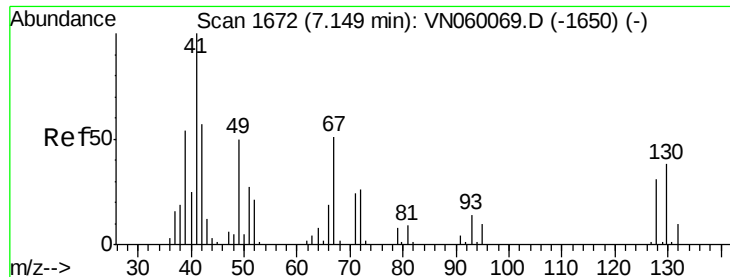
Tot Ion: 83 Resp: 190652
Ion Ratio Lower Upper
83 100
55 73.3 57.8 86.8
98 46.5 36.4 54.6



#40
Benzene
Concen: 46.427 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN060080.D
Acq: 12 Feb 2020 17:52

Tgt Ion: 78 Resp: 456516
Ion Ratio Lower Upper
78 100
77 23.6 18.8 28.2





#41

Methacrylonitrile

Concen: 163.209 ug/l

RT: 7.18 min Scan# 1681

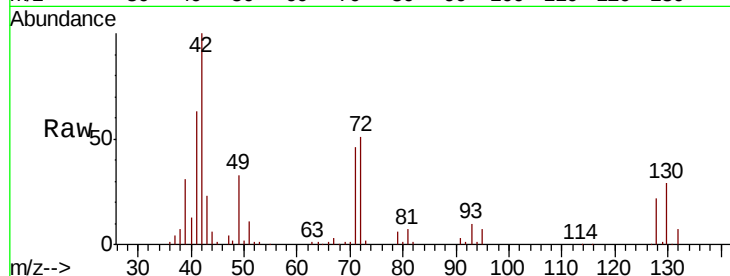
Delta R.T. 0.03 min

Lab File: VN060080.D

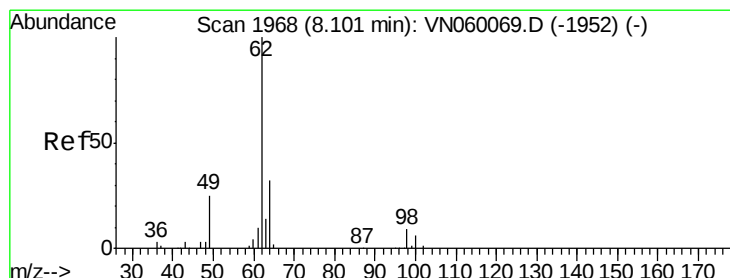
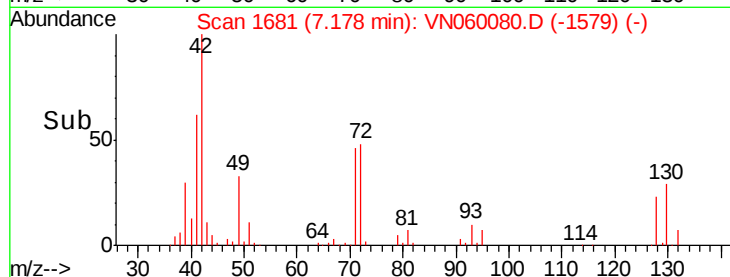
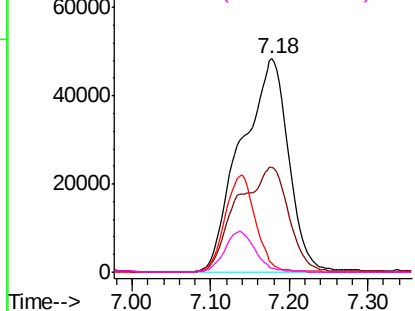
Acq: 12 Feb 2020 17:52

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	205051
Ion	Ratio	Lower	Upper
41	100		
39	53.1	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



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



#42

1,2-Dichloroethane

Concen: 47.853 ug/l

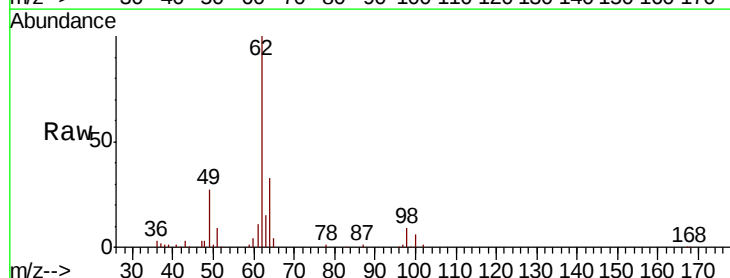
RT: 8.10 min Scan# 1968

Delta R.T. -0.00 min

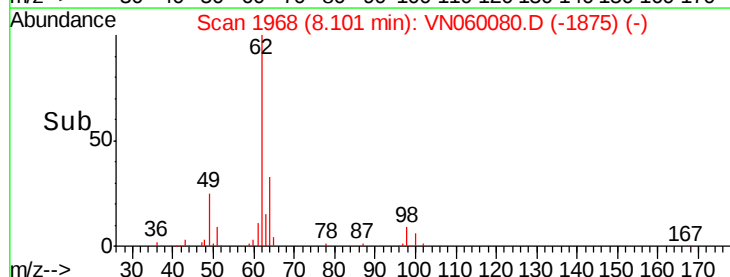
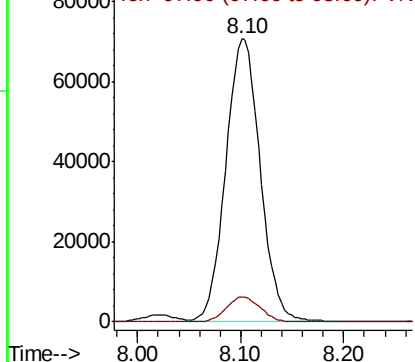
Lab File: VN060080.D

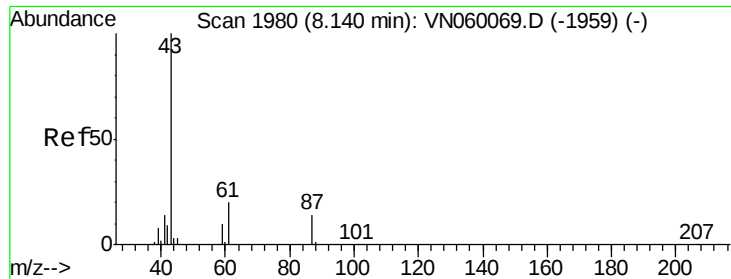
Acq: 12 Feb 2020 17:52

Tgt Ion:	62	Resp:	164917
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	18.2



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 97.90 (97.60 to 98.60): VNC



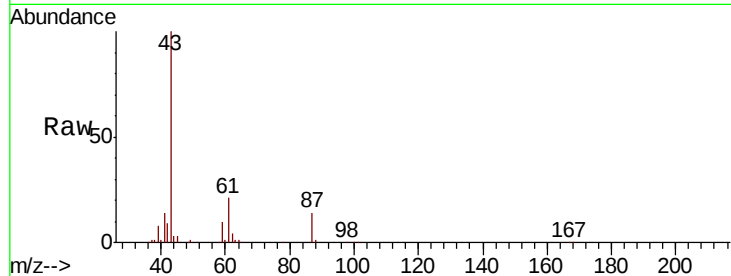


#43

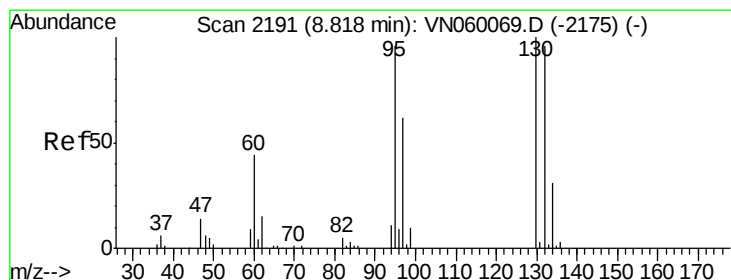
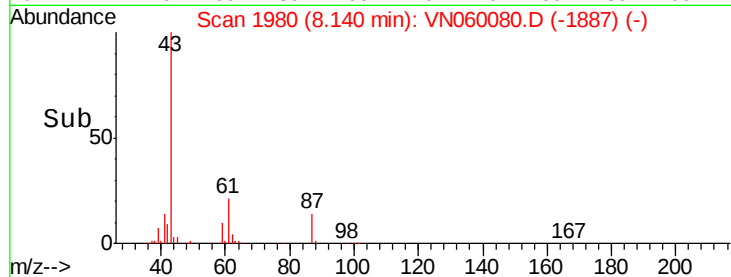
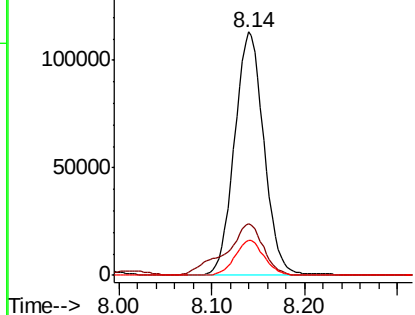
Isopropyl Acetate
 Concen: 48.688 ug/l
 RT: 8.14 min Scan# 1980
 Delta R.T. -0.00 min
 Lab File: VN060080.D
 Acq: 12 Feb 2020 17:52

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 43 Resp: 249341
 Ion Ratio Lower Upper
 43 100
 61 27.1 21.8 32.6
 87 14.2 11.4 17.2



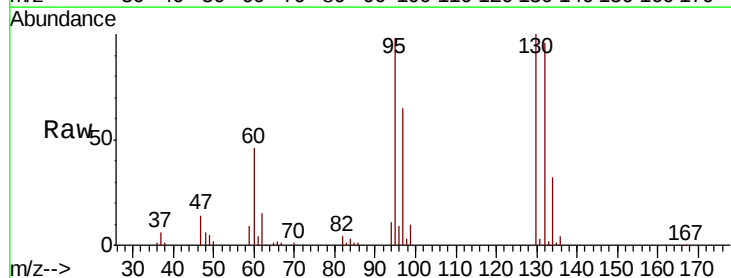
Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 87.00 (86.70 to 87.70): VN0



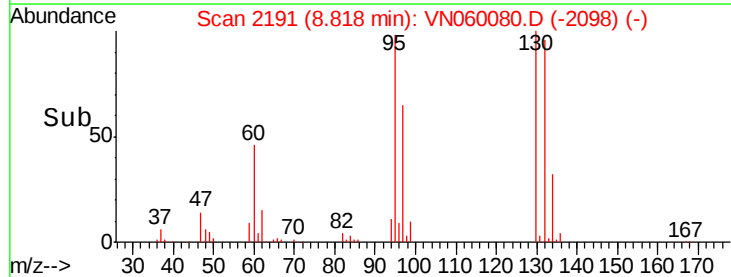
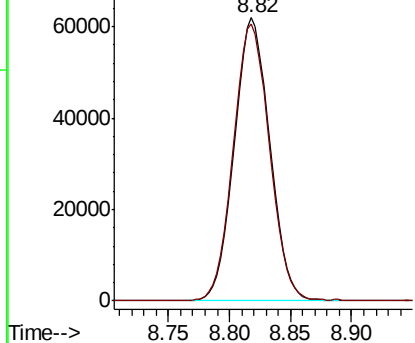
#44

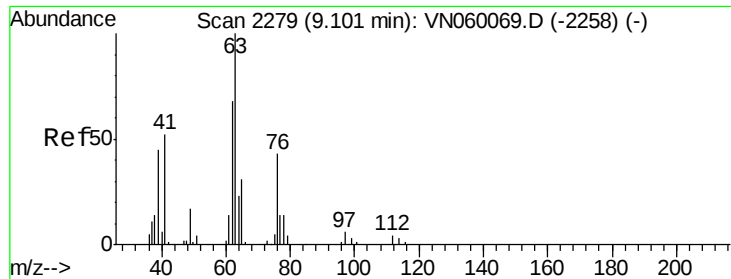
Trichloroethene
 Concen: 45.957 ug/l
 RT: 8.82 min Scan# 2191
 Delta R.T. -0.00 min
 Lab File: VN060080.D
 Acq: 12 Feb 2020 17:52

Tgt Ion:130 Resp: 125128
 Ion Ratio Lower Upper
 130 100
 95 98.1 0.0 192.4



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VN0

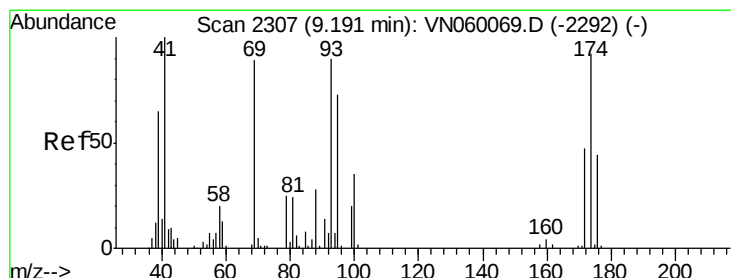
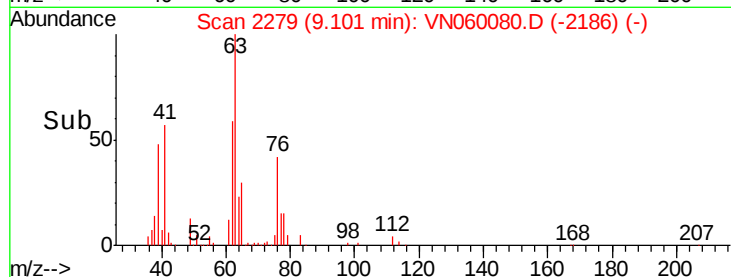
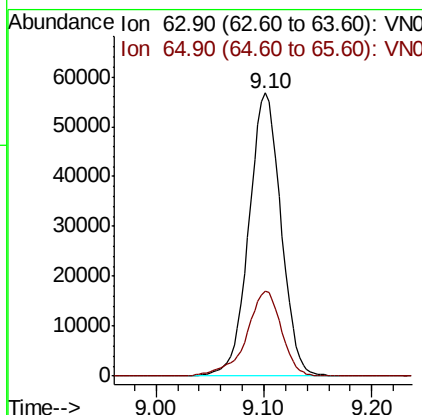
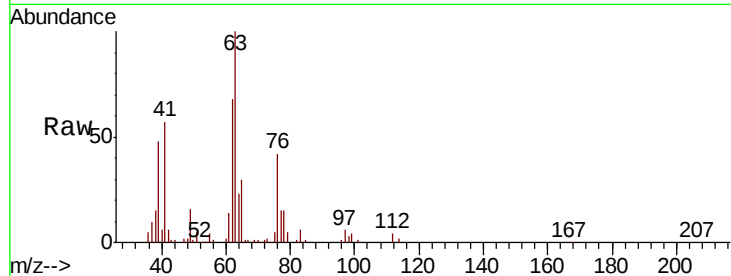




#45
 1,2-Dichloropropane
 Concen: 48.140 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: VN060080.D
 Acq: 12 Feb 2020 17:52

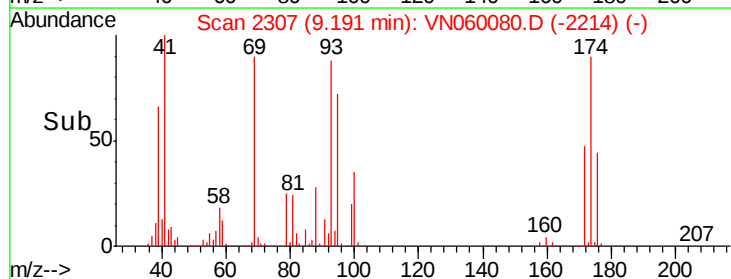
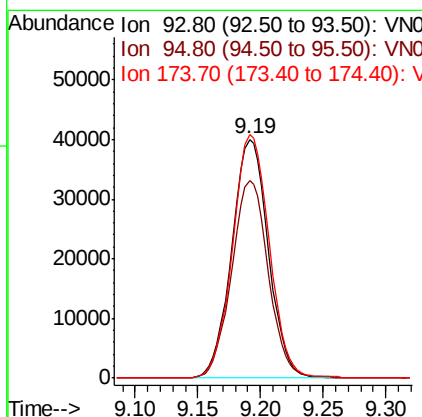
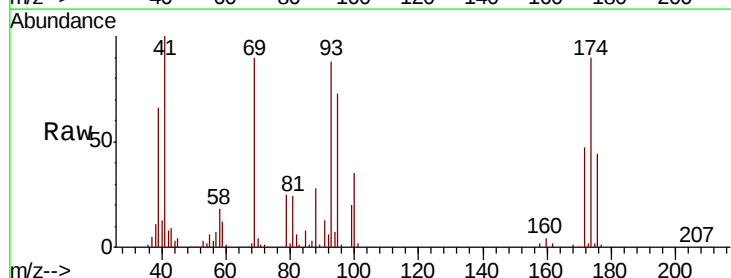
Instrument :
 MSVOA_N
 ClientSampleId :

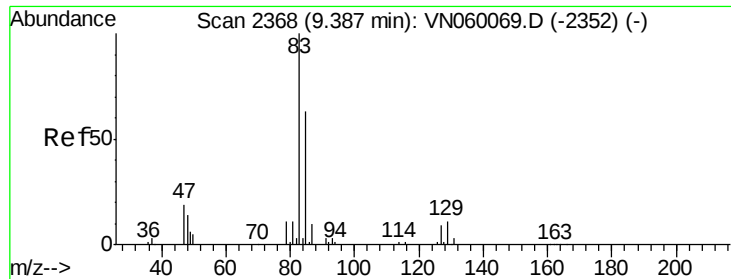
Tot Ion: 63 Resp: 117192
 Ion Ratio Lower Upper
 63 100
 65 30.1 25.0 37.4



#46
 Dibromomethane
 Concen: 47.149 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN060080.D
 Acq: 12 Feb 2020 17:52

Tgt Ion: 93 Resp: 81111
 Ion Ratio Lower Upper
 93 100
 95 83.1 65.0 97.6
 174 102.6 82.3 123.5

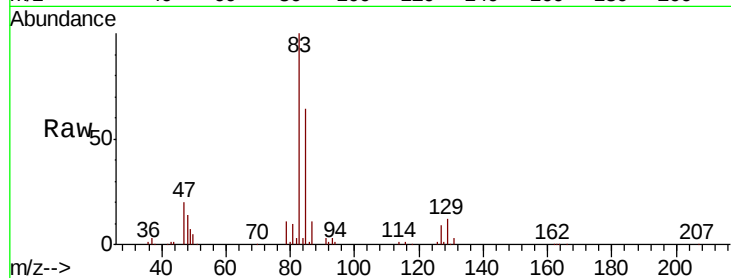




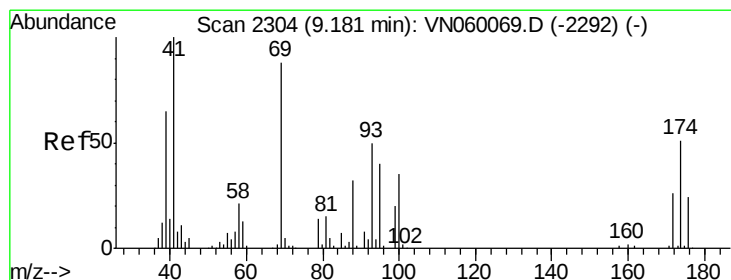
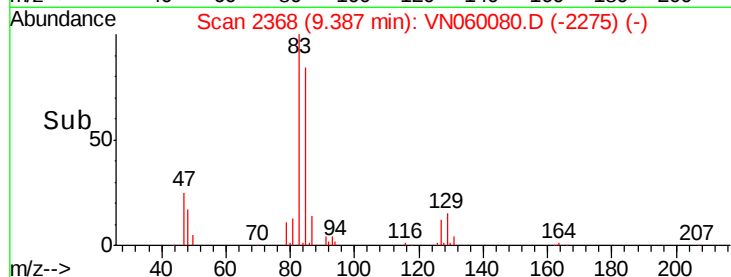
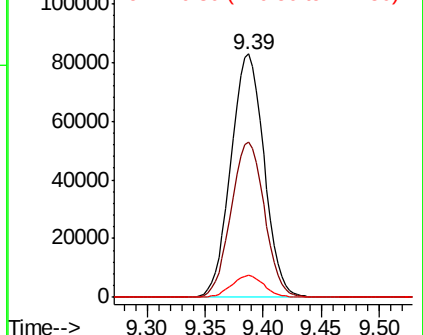
#47
Bromodichloromethane
Concen: 47.089 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. -0.00 min
Lab File: VN060080.D
Acq: 12 Feb 2020 17:52

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 164697
Ion Ratio Lower Upper
83 100
85 63.6 50.6 75.8
127 8.9 7.0 10.6

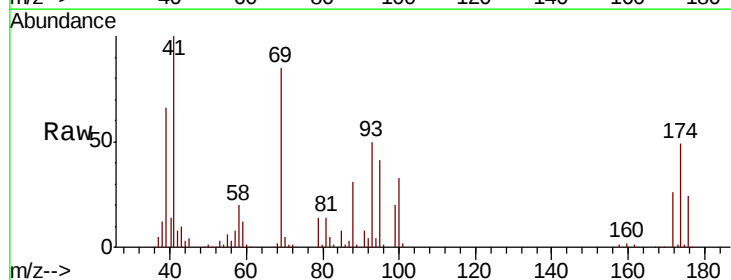


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0

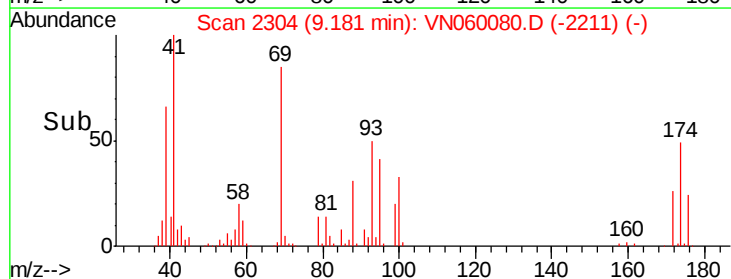
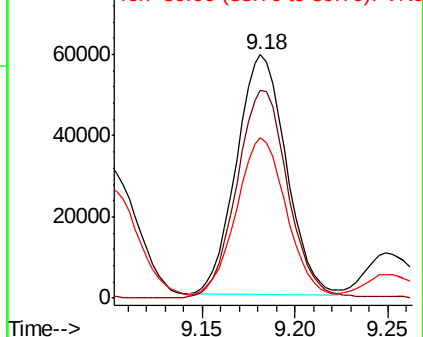


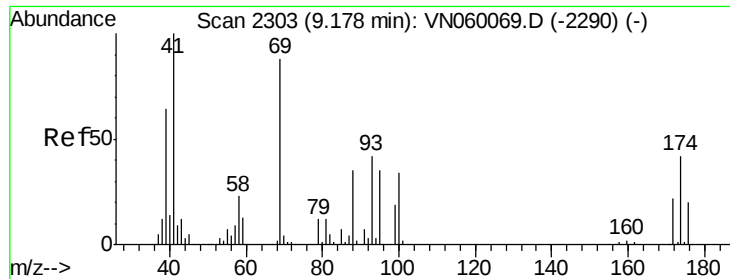
#48
Methyl methacrylate
Concen: 48.200 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.00 min
Lab File: VN060080.D
Acq: 12 Feb 2020 17:52

Tgt Ion: 41 Resp: 110749
Ion Ratio Lower Upper
41 100
69 89.2 72.0 108.0
39 64.8 54.1 81.1



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

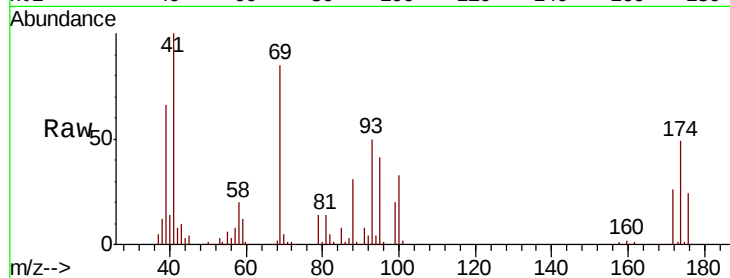




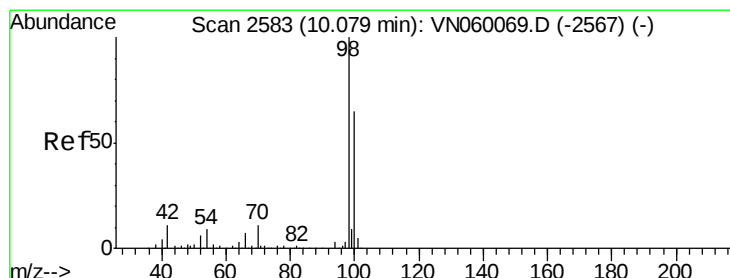
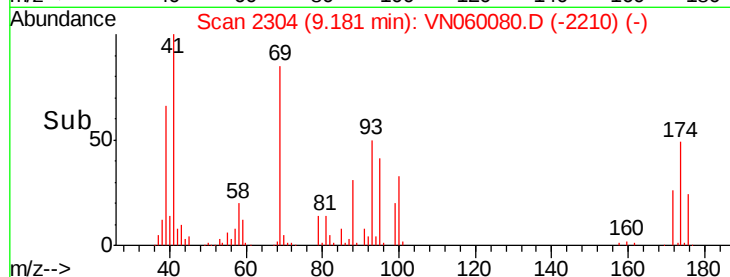
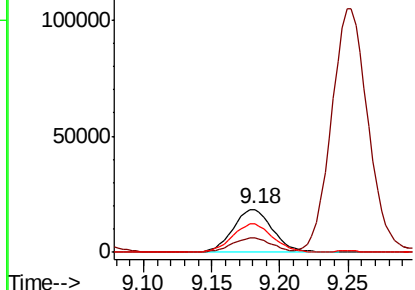
#49
 1,4-Dioxane
 Concen: 960.362 ug/l
 RT: 9.18 min Scan# 2304
 Delta R.T. 0.00 min
 Lab File: VN060080.D
 Acq: 12 Feb 2020 17:52

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 88 Resp: 37702
 Ion Ratio Lower Upper
 88 100
 43 33.5 26.2 39.2
 58 67.0 53.2 79.8

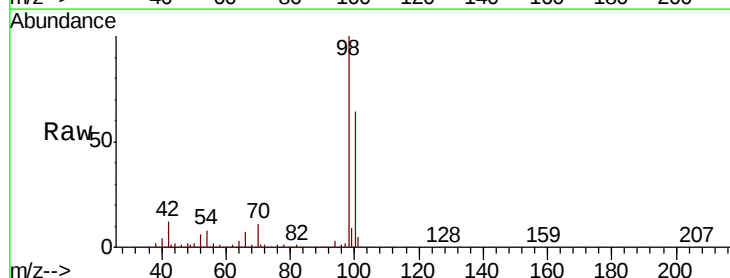


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

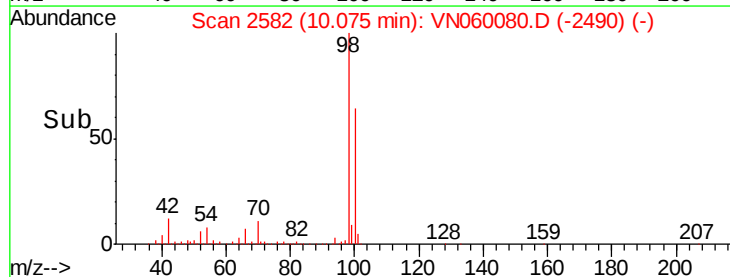
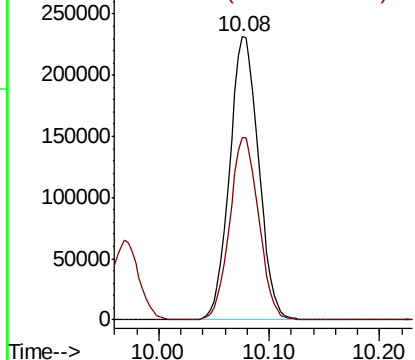


#50
 Toluene-d8
 Concen: 48.732 ug/l
 RT: 10.08 min Scan# 2582
 Delta R.T. -0.00 min
 Lab File: VN060080.D
 Acq: 12 Feb 2020 17:52

Tgt Ion: 98 Resp: 422164
 Ion Ratio Lower Upper
 98 100
 100 64.5 51.7 77.5



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: 242.721 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN060080.D

Acq: 12 Feb 2020 17:52

Instrument :

MSVOA_N

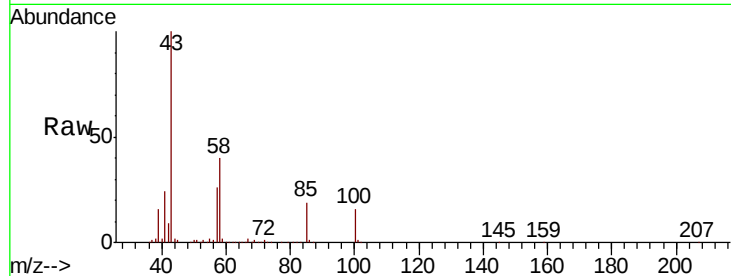
ClientSampled :

Tot Ion: 43 Resp: 719474

Ion Ratio Lower Upper

43 100

58 39.7 31.8 47.8



Abundance Ion 43.00 (42.70 to 43.70): VN060069.D (-2531) (-)

Ion 58.00 (57.70 to 58.70): VN060069.D (-2531) (-)

9.97

400000

300000

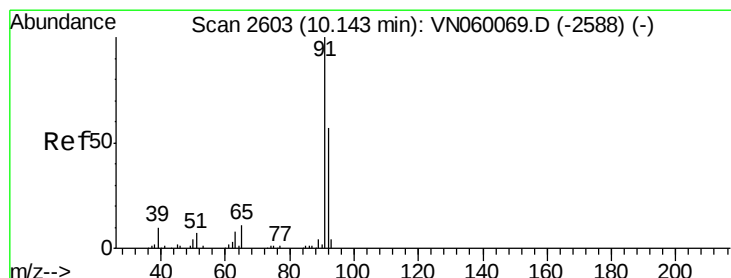
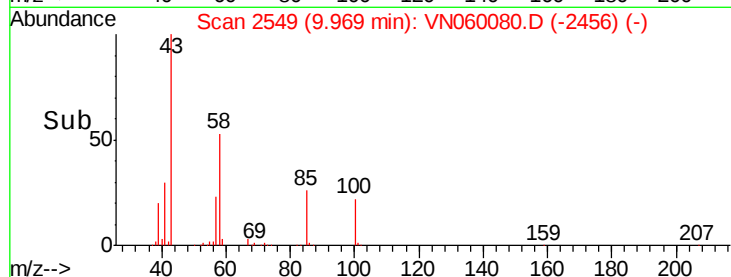
200000

100000

0

9.90 10.00

Time-->



#52

Toluene

Concen: 47.286 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN060080.D

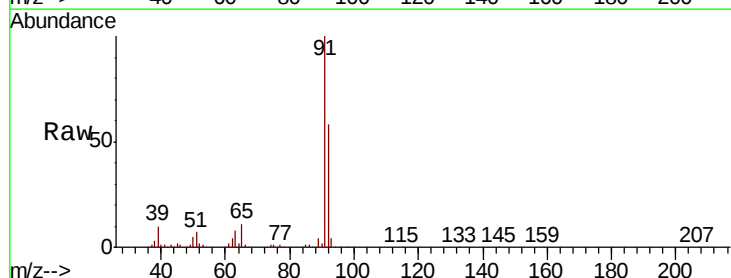
Acq: 12 Feb 2020 17:52

Tgt Ion: 92 Resp: 298161

Ion Ratio Lower Upper

92 100

91 172.7 140.9 211.3



Abundance Ion 92.00 (91.70 to 92.70): VN060069.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN060069.D (-2588) (-)

10.14

300000

250000

200000

150000

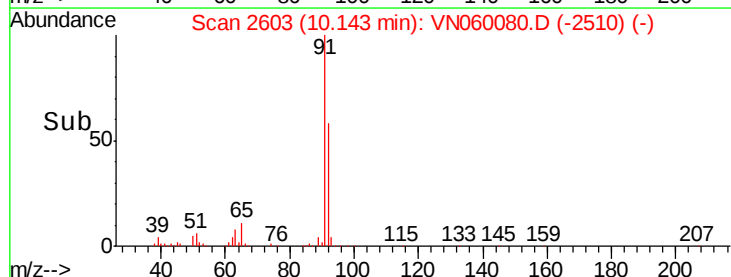
100000

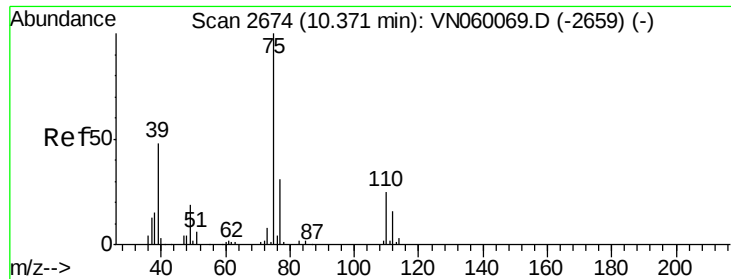
50000

0

10.10 10.20

Time-->





#53

t-1,3-Dichloropropene

Concen: 47.993 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. -0.00 min

Lab File: VN060080.D

Acq: 12 Feb 2020 17:52

Instrument :

MSVOA_N

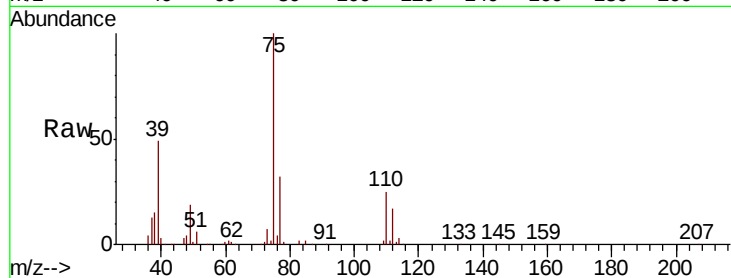
ClientSampled :

Tot Ion: 75 Resp: 189474

Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.0



Abundance Ion 74.90 (74.60 to 75.60): VN060069.D (-2659) (-)

Ion 76.90 (76.60 to 77.60): VN060069.D (-2659) (-)

10.37

120000

100000

80000

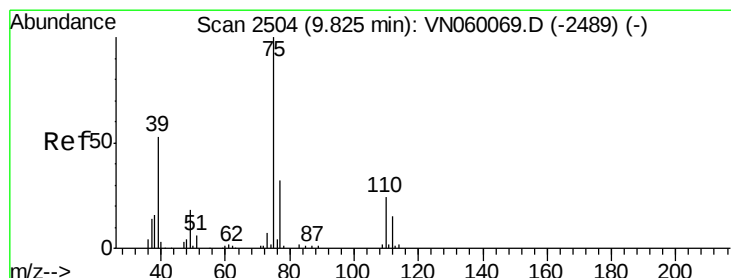
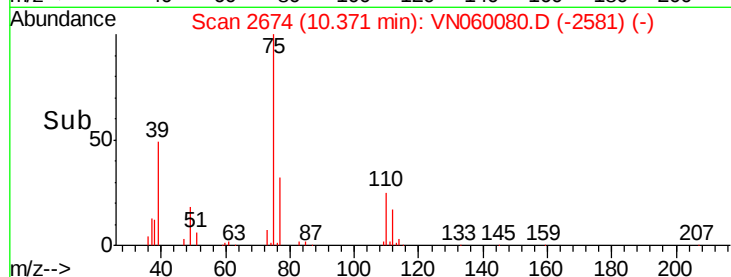
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 47.691 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. -0.00 min

Lab File: VN060080.D

Acq: 12 Feb 2020 17:52

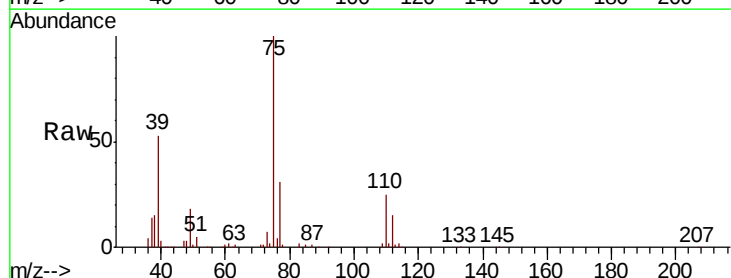
Tgt Ion: 75 Resp: 198262

Ion Ratio Lower Upper

75 100

77 31.3 25.6 38.4

39 52.7 42.2 63.4



Abundance Ion 74.90 (74.60 to 75.60): VN060069.D (-2489) (-)

Ion 76.90 (76.60 to 77.60): VN060069.D (-2489) (-)

Ion 39.00 (38.70 to 39.70): VN060069.D (-2489) (-)

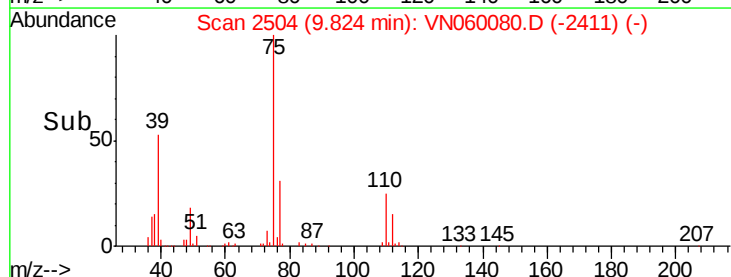
9.82

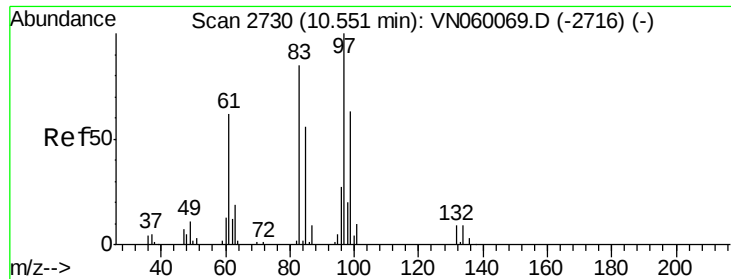
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 47.227 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. -0.00 min

Lab File: VN060080.D

Acq: 12 Feb 2020 17:52

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 116176

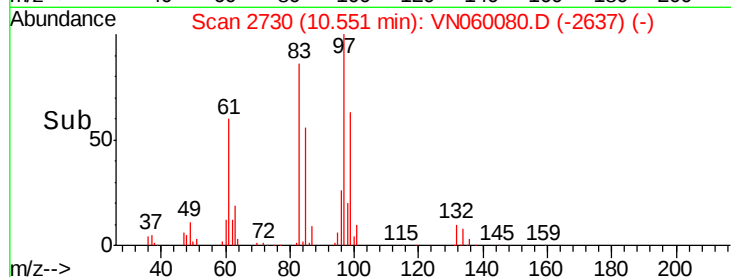
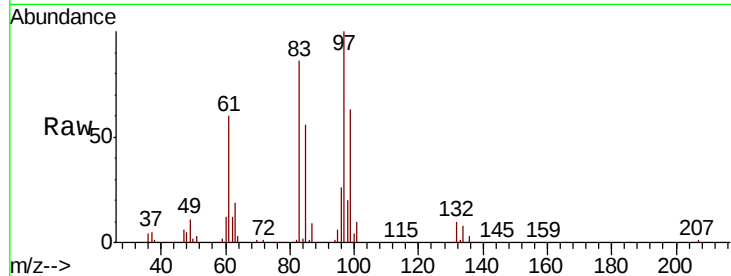
Ion	Ratio	Lower	Upper
97	100		
83	85.7	67.9	101.9
85	55.9	44.6	67.0
99	63.0	50.1	75.1

97 100

83 85.7 67.9 101.9

85 55.9 44.6 67.0

99 63.0 50.1 75.1

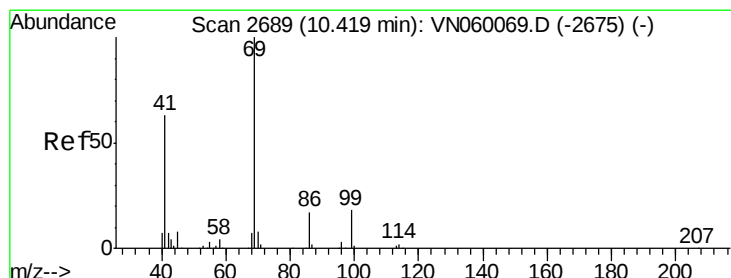
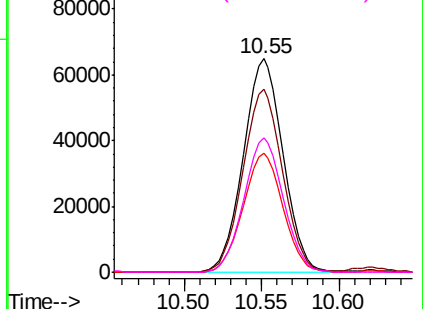


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 50.297 ug/l

RT: 10.42 min Scan# 2688

Delta R.T. -0.00 min

Lab File: VN060080.D

Acq: 12 Feb 2020 17:52

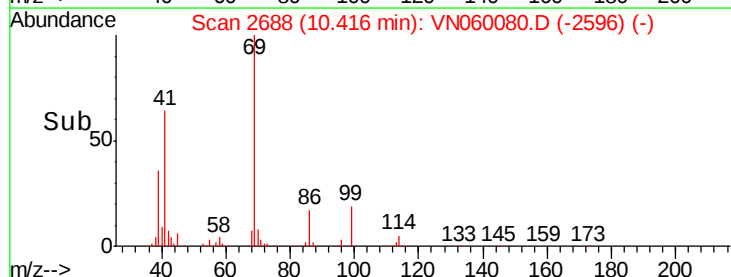
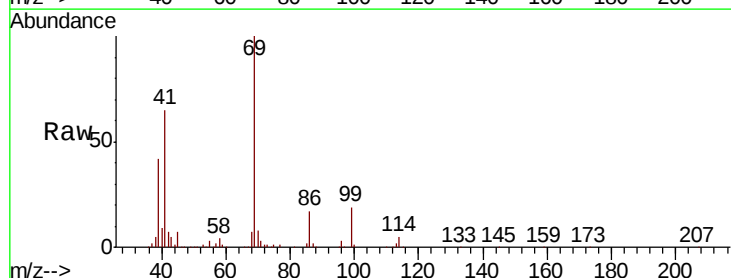
Tgt Ion: 69 Resp: 175031

Ion	Ratio	Lower	Upper
69	100		
41	63.7	51.1	76.7
39	41.1	33.8	50.8

69 100

41 63.7 51.1 76.7

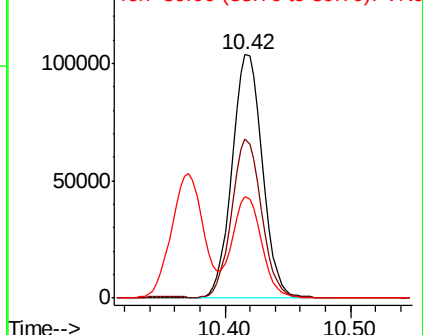
39 41.1 33.8 50.8

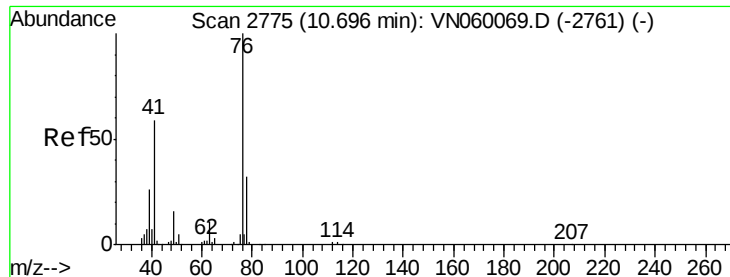


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 47.069 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. -0.00 min

Lab File: VN060080.D

Acq: 12 Feb 2020 17:52

Instrument :

MSVOA_N

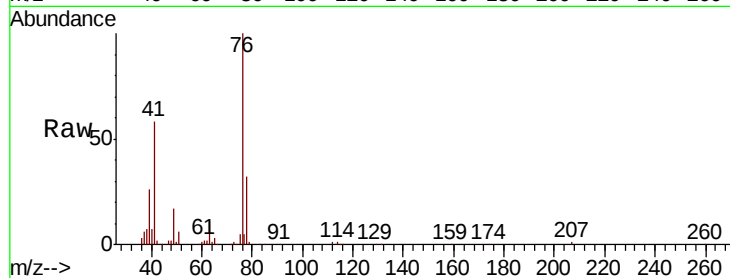
ClientSampled :

Tot Ion: 76 Resp: 191057

Ion Ratio Lower Upper

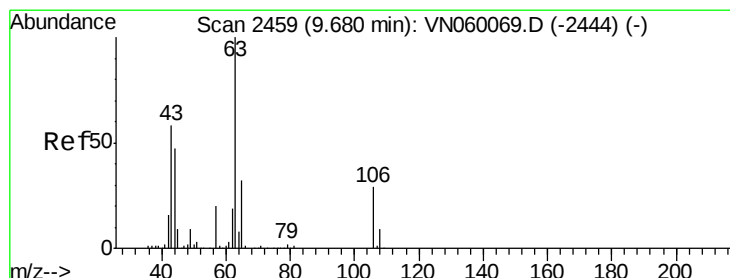
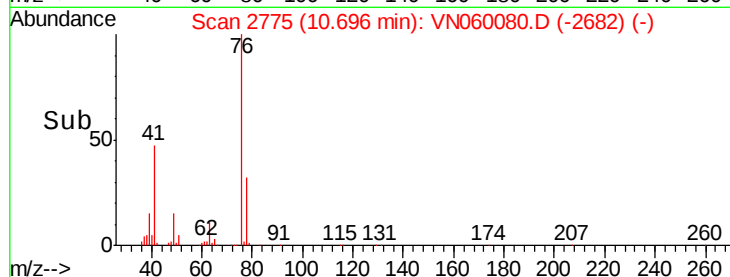
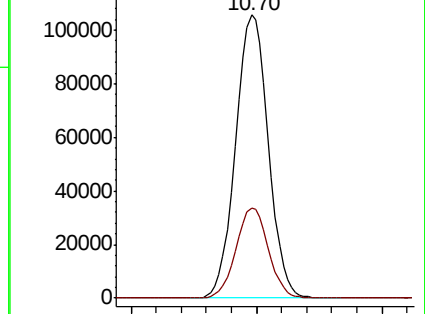
76 100

78 31.7 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VN060069.D (-2761) (-)

Ion 77.90 (77.60 to 78.60): VN060069.D (-2761) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 256.782 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. -0.00 min

Lab File: VN060080.D

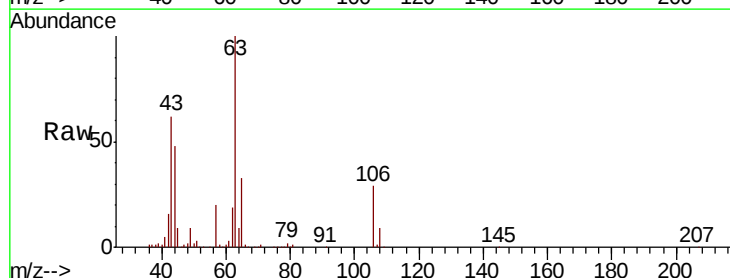
Acq: 12 Feb 2020 17:52

Tgt Ion: 63 Resp: 416292

Ion Ratio Lower Upper

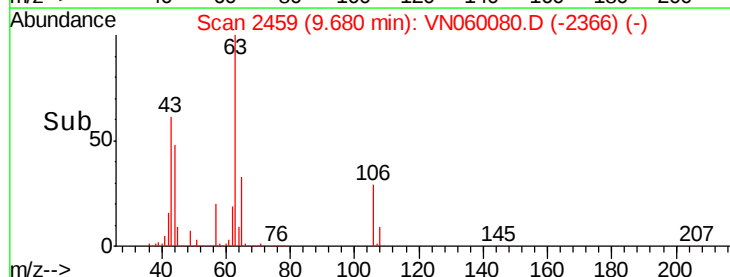
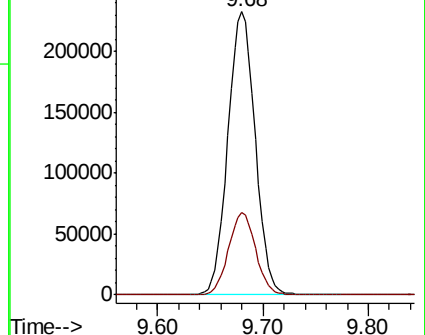
63 100

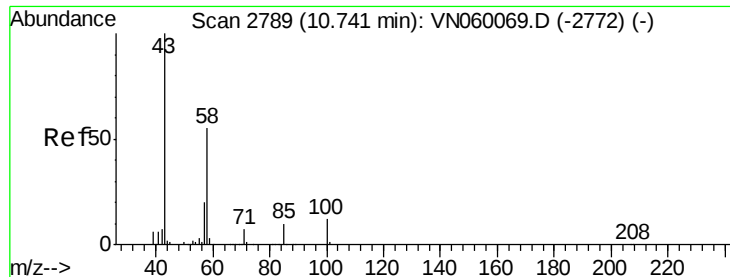
106 28.8 22.9 34.3



Abundance Ion 62.90 (62.60 to 63.60): VN060069.D (-2444) (-)

Ion 105.90 (105.60 to 106.60): VN060069.D (-2444) (-)

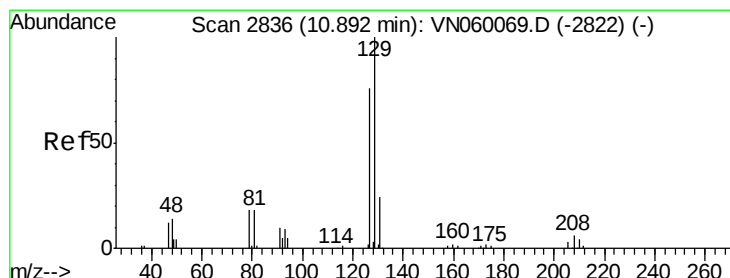
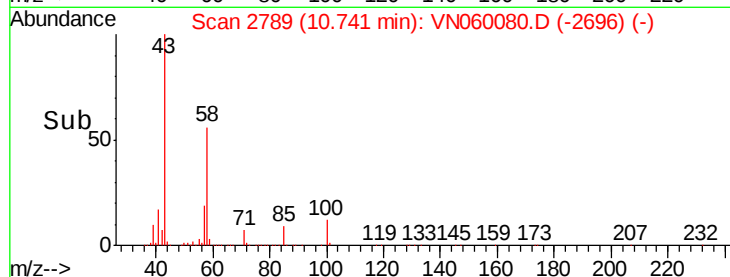
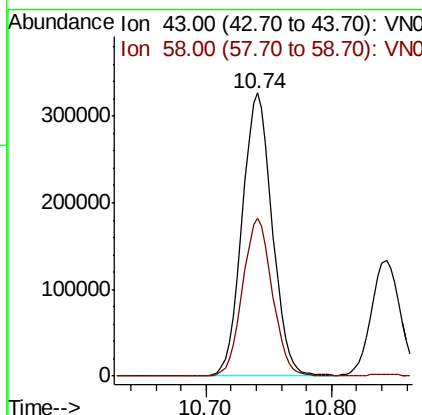
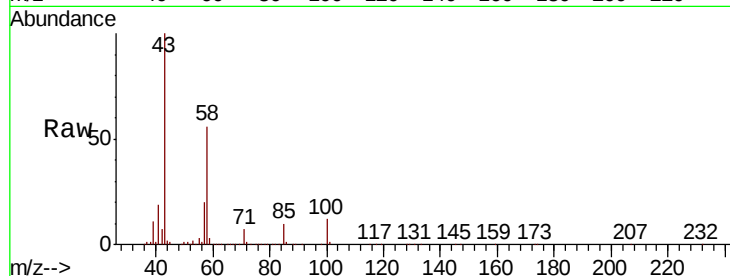




#59
2-Hexanone
Concen: 238.076 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN060080.D
Acq: 12 Feb 2020 17:52

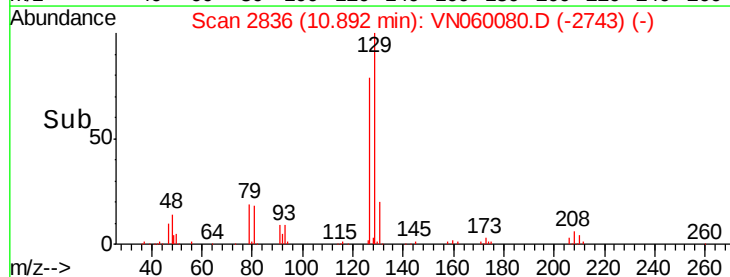
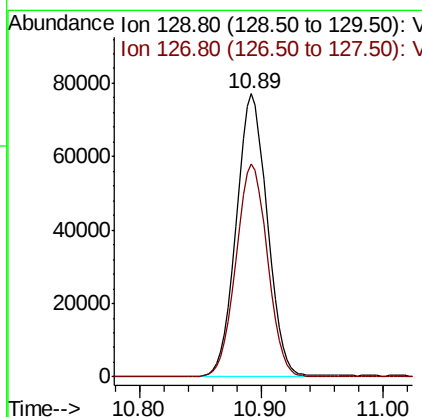
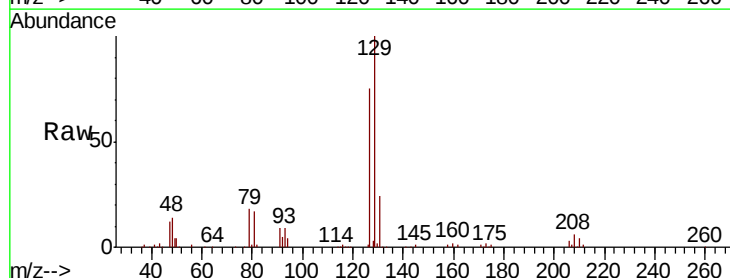
Instrument :
MSVOA_N
ClientSampled :

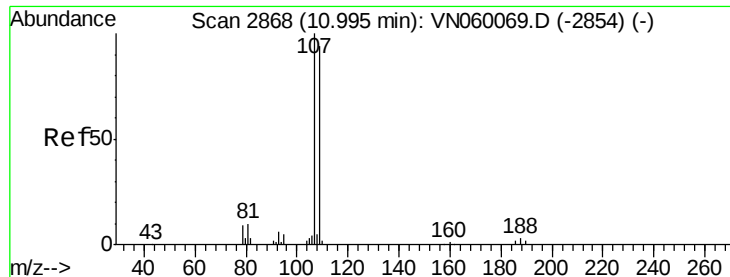
Tot Ion: 43 Resp: 545139
Ion Ratio Lower Upper
43 100
58 55.4 27.5 82.4



#60
Dibromochloromethane
Concen: 47.718 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN060080.D
Acq: 12 Feb 2020 17:52

Tgt Ion: 129 Resp: 134703
Ion Ratio Lower Upper
129 100
127 76.8 38.0 114.1





#61

1,2-Dibromoethane

Concen: 47.910 ug/l

RT: 11.00 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VN060080.D

Acq: 12 Feb 2020 17:52

Instrument :

MSVOA_N

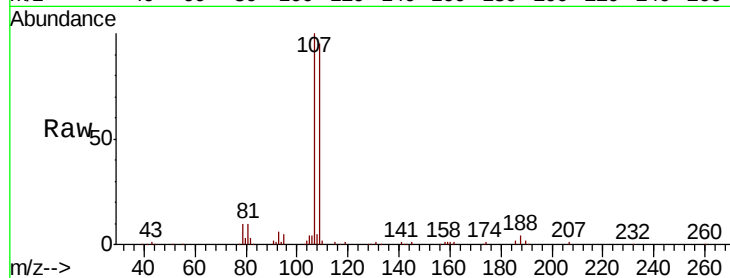
ClientSampleId :

Tot Ion:107 Resp: 123549

Ion Ratio Lower Upper

107 100

109 94.7 75.4 113.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

80000

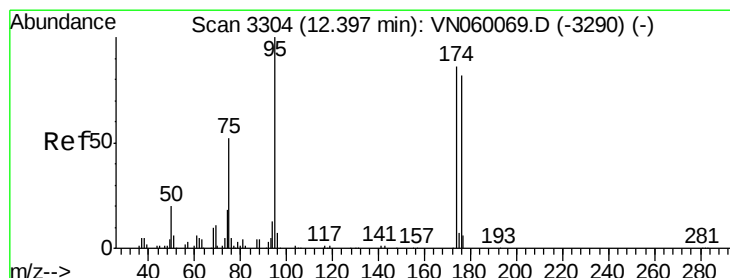
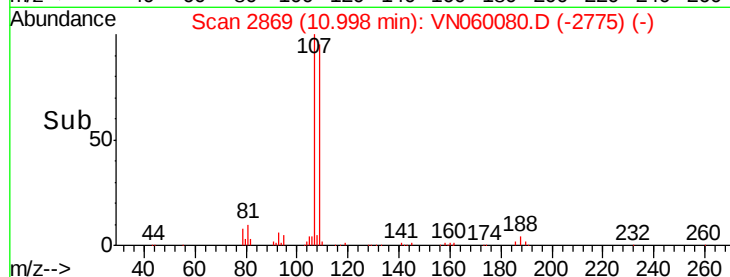
60000

40000

20000

0

Time--> 10.90 10.95 11.00 11.05



#62

4-Bromofluorobenzene

Concen: 49.894 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060080.D

Acq: 12 Feb 2020 17:52

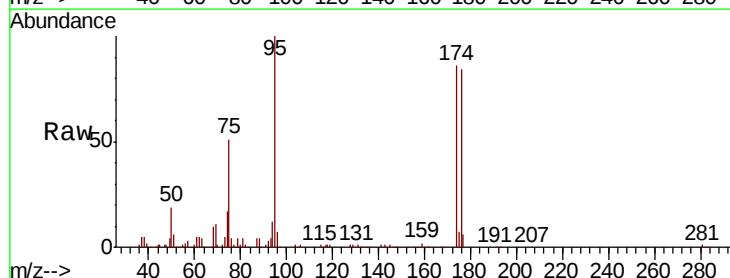
Tgt Ion: 95 Resp: 158827

Ion Ratio Lower Upper

95 100

174 84.5 0.0 169.8

176 82.3 0.0 164.8



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

120000

100000

80000

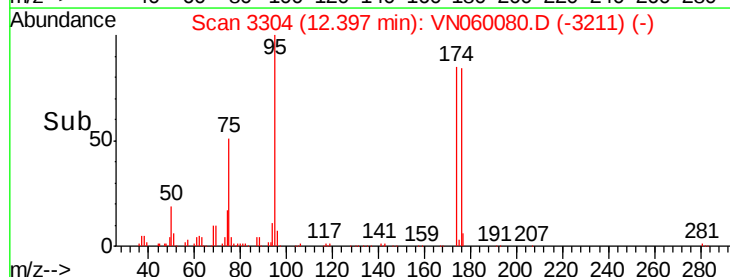
60000

40000

20000

0

Time--> 12.30 12.40

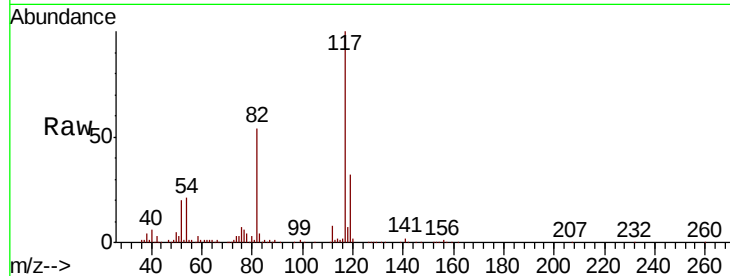




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060080.D
Acq: 12 Feb 2020 17:52

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.0	43.4	65.0
119	31.6	25.8	38.6

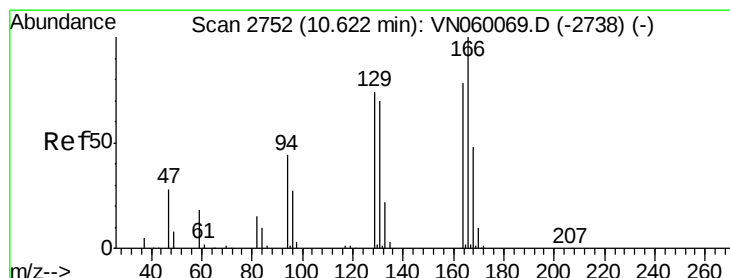
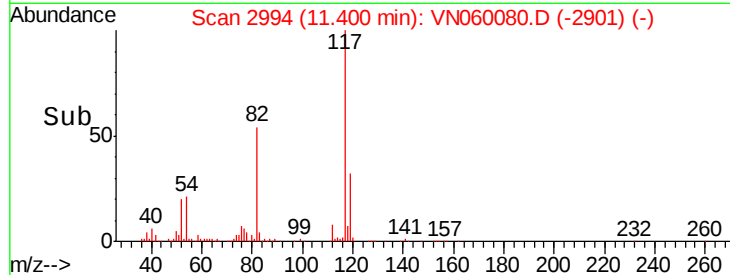
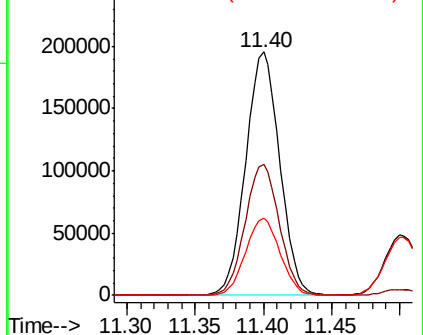


Abundance

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: 43.772 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN060080.D
Acq: 12 Feb 2020 17:52

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.2	101.9	152.9
129	93.1	75.4	113.0
131	91.8	71.4	107.2

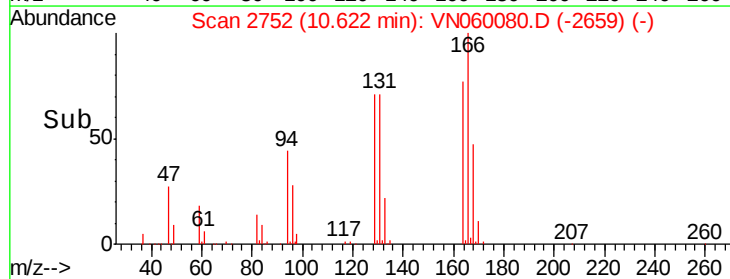
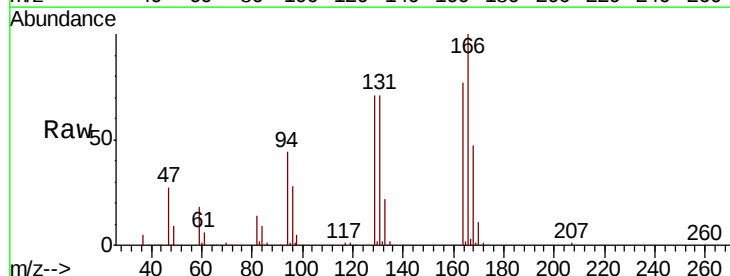
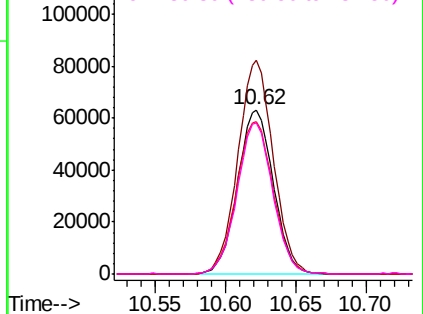
Abundance

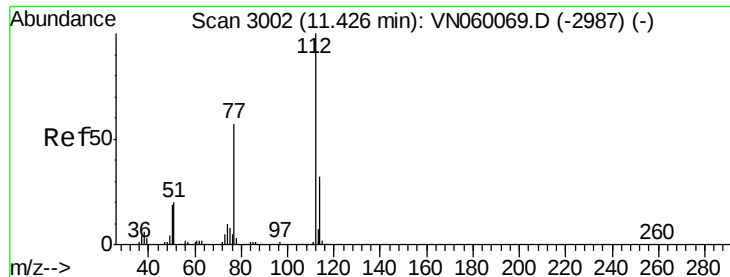
Ion 163.80 (163.50 to 164.50): V

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

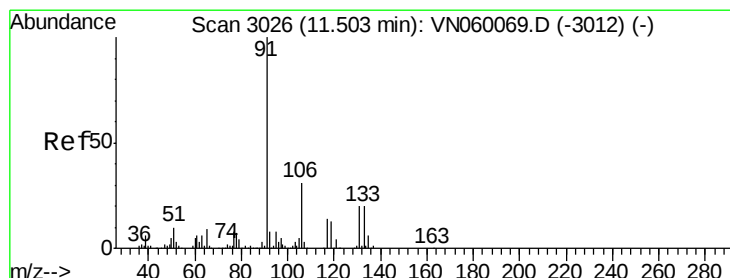
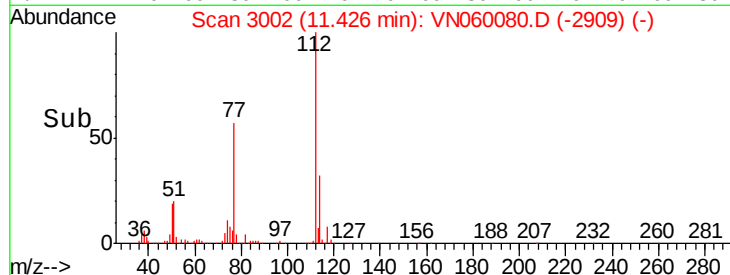
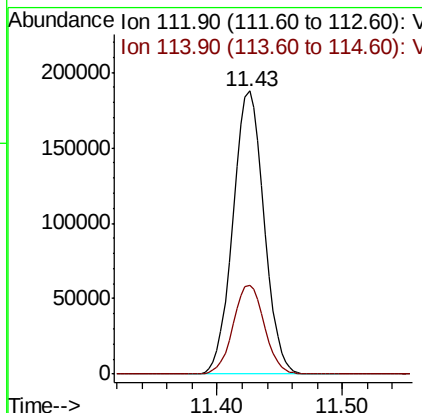
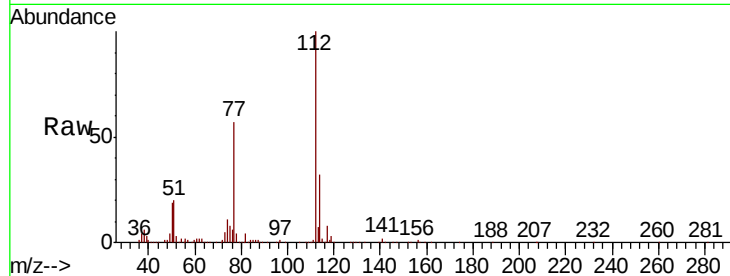




#65
Chlorobenzene
Concen: 46.892 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN060080.D
Acq: 12 Feb 2020 17:52

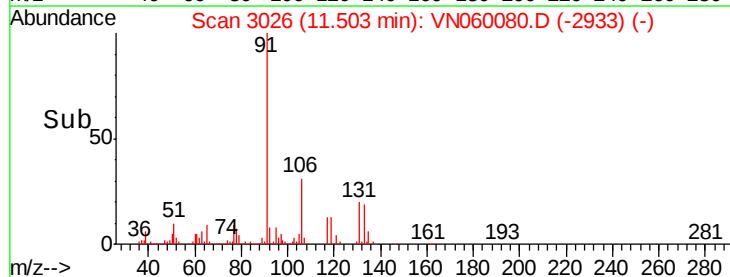
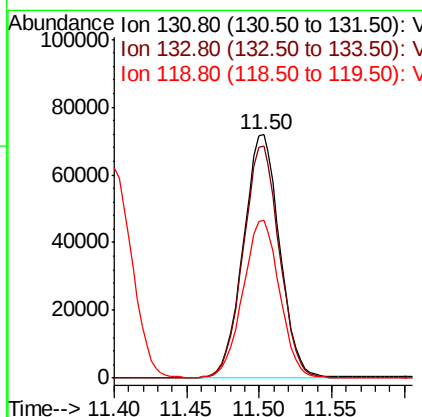
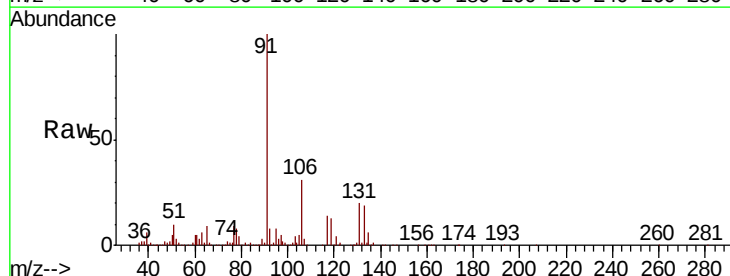
Instrument :
MSVOA_N
ClientSampleId :

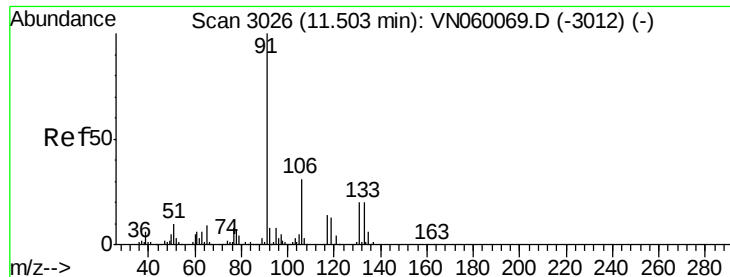
Tot Ion:112 Resp: 322827
Ion Ratio Lower Upper
112 100
114 31.5 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 47.804 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN060080.D
Acq: 12 Feb 2020 17:52

Tgt Ion:131 Resp: 124501
Ion Ratio Lower Upper
131 100
133 95.1 47.9 143.7
119 65.5 32.6 97.7





#67

Ethyl Benzene

Concen: 47.327 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060080.D

Acq: 12 Feb 2020 17:52

Instrument :

MSVOA_N

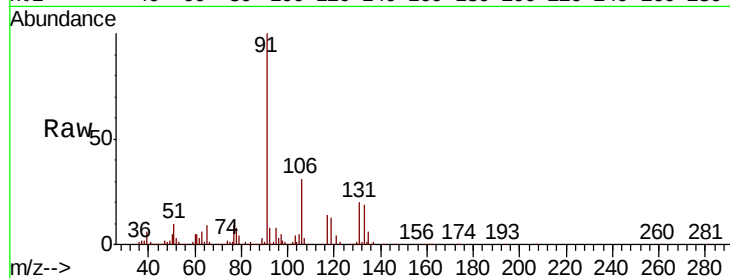
ClientSampled :

Tot Ion: 91 Resp: 587653

Ion Ratio Lower Upper

91 100

106 31.0 25.1 37.7



Abundance Ion 91.00 (90.70 to 91.70): VN060069.D (-3012) (-)

Ion 106.00 (105.70 to 106.70): VN060069.D (-3012) (-)

500000

400000

300000

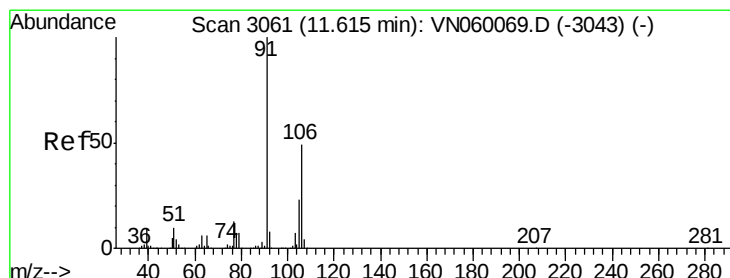
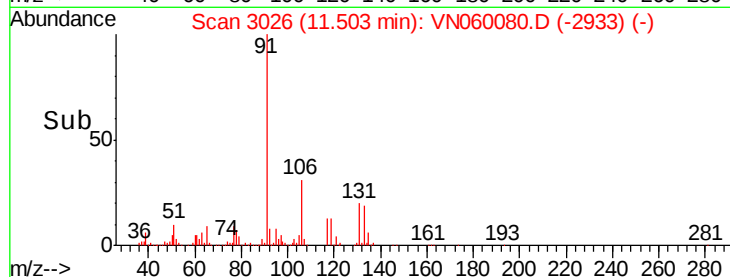
200000

100000

0

11.40 11.45 11.50 11.55

Time-->



#68

m/p-Xylenes

Concen: 94.517 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN060080.D

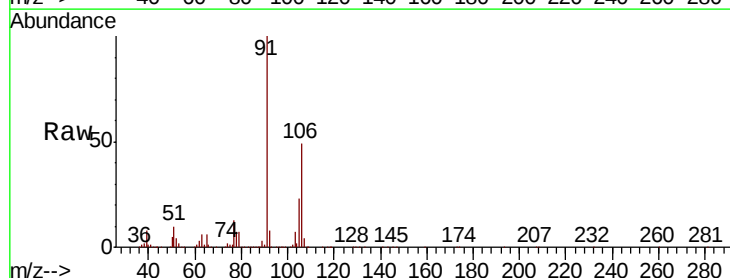
Acq: 12 Feb 2020 17:52

Tgt Ion: 106 Resp: 440470

Ion Ratio Lower Upper

106 100

91 203.7 162.7 244.1



Abundance Ion 106.00 (105.70 to 106.70): VN060069.D (-3043) (-)

Ion 91.00 (90.70 to 91.70): VN060069.D (-3043) (-)

500000

400000

300000

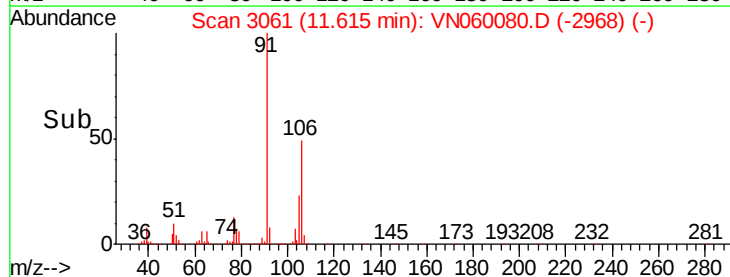
200000

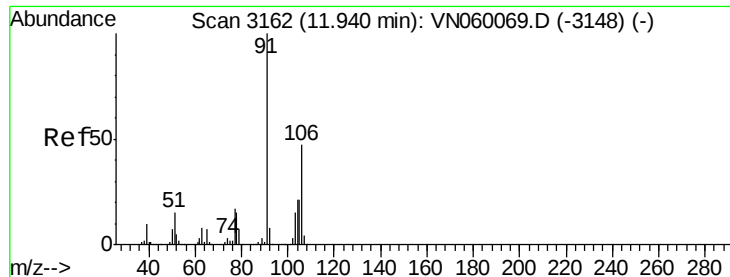
100000

0

11.60 11.62 11.64 11.66 11.68 11.70

Time-->

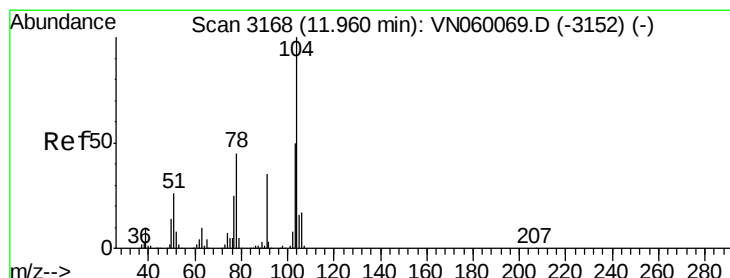
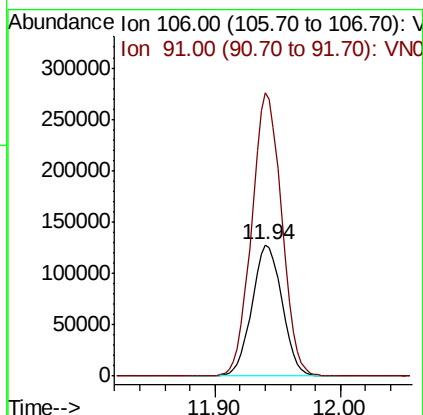
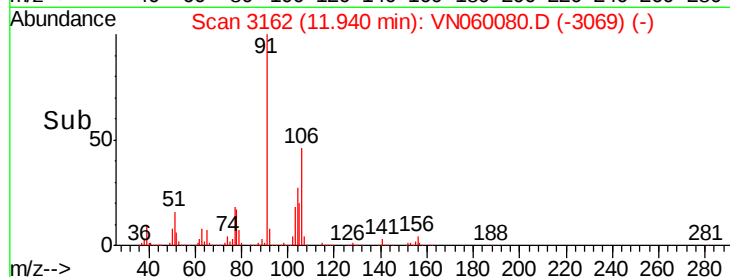
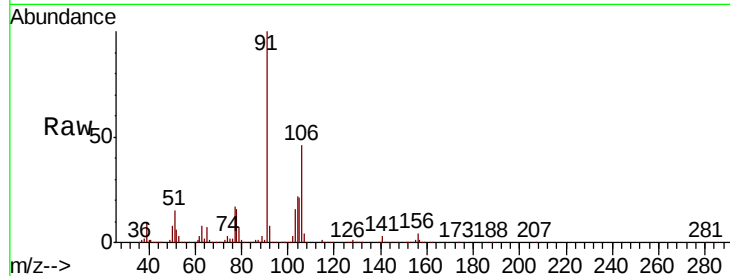




#69
o-Xylene
Concen: 47.740 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060080.D
Acq: 12 Feb 2020 17:52

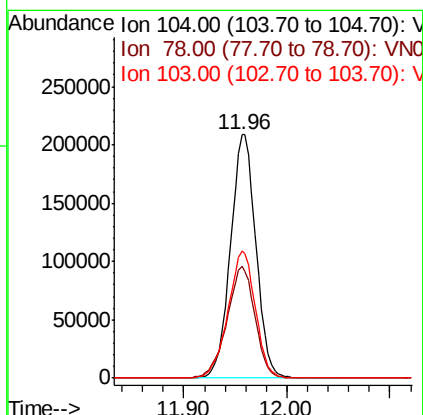
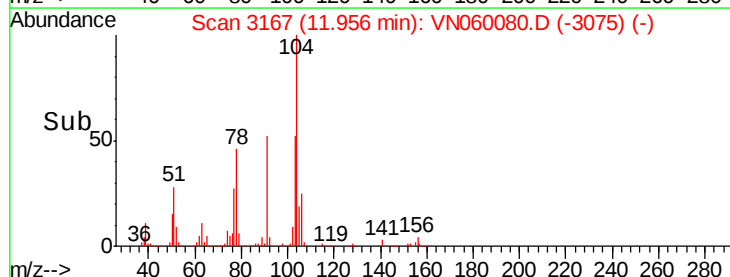
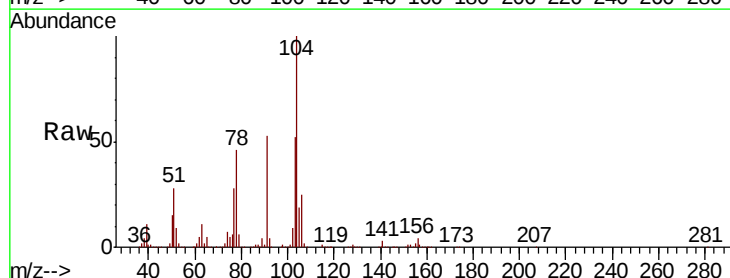
Instrument :
MSVOA_N
ClientSampleId :

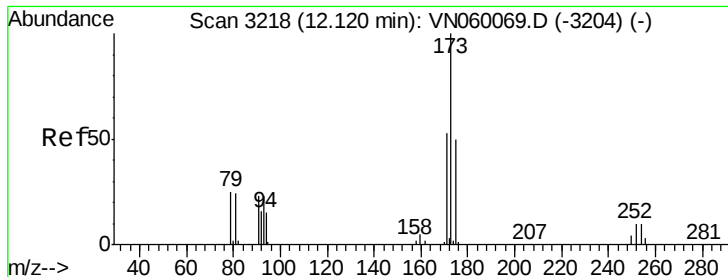
Tot Ion:106 Resp: 214210
Ion Ratio Lower Upper
106 100
91 213.0 107.2 321.6



#70
Styrene
Concen: 49.311 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060080.D
Acq: 12 Feb 2020 17:52

Tgt Ion:104 Resp: 356798
Ion Ratio Lower Upper
104 100
78 50.2 40.2 60.2
103 55.9 44.3 66.5





#71

Bromoform

Concen: 49.009 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. -0.00 min

Lab File: VN060080.D

Acq: 12 Feb 2020 17:52

Instrument :

MSVOA_N

ClientSampleId :

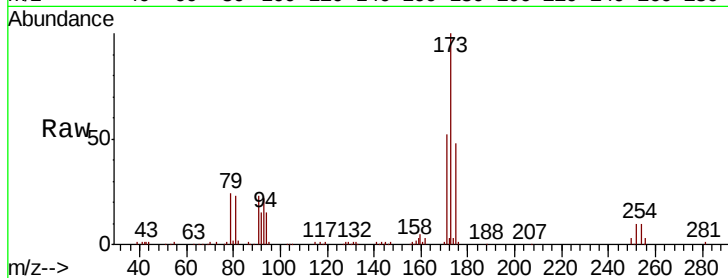
Tot Ion:173 Resp: 102662

Ion Ratio Lower Upper

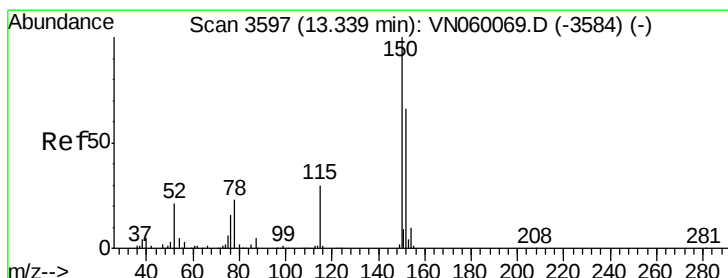
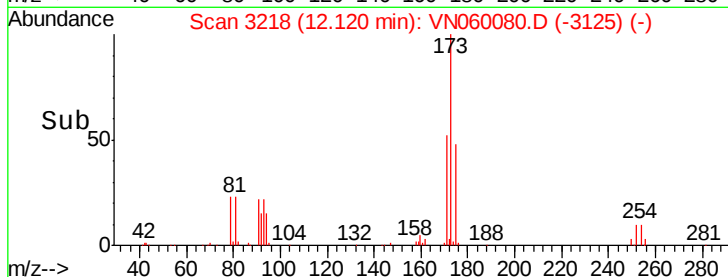
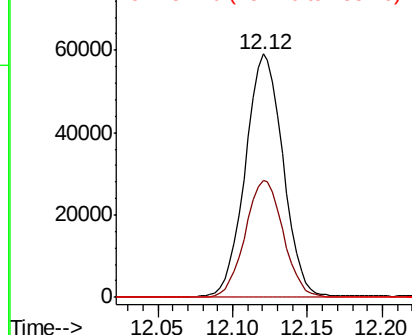
173 100

175 48.8 24.9 74.6

254 0.1 0.0 0.0#



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# 3597

Delta R.T. -0.00 min

Lab File: VN060080.D

Acq: 12 Feb 2020 17:52

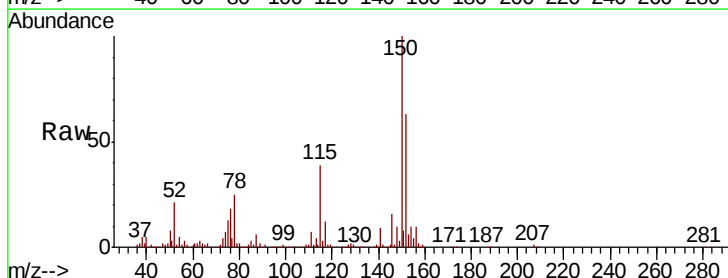
Tgt Ion:152 Resp: 179671

Ion Ratio Lower Upper

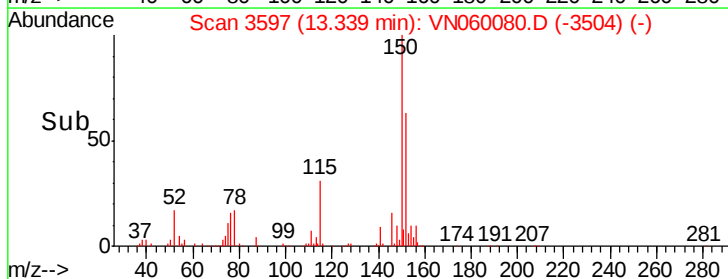
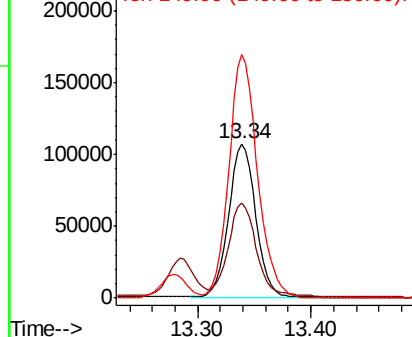
152 100

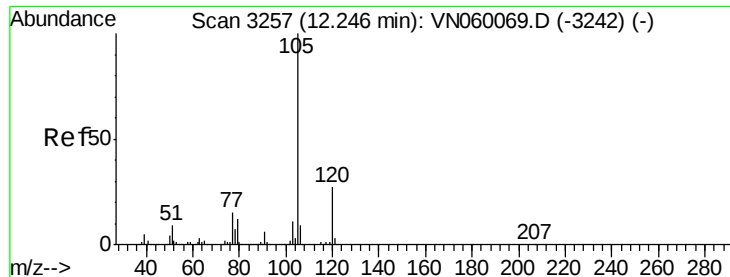
115 63.8 28.9 86.8

150 165.1 0.0 342.4



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: 43.613 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN060080.D

Acq: 12 Feb 2020 17:52

Instrument :

MSVOA_N

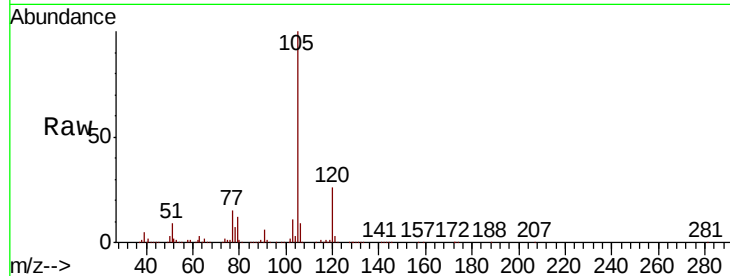
ClientSampleId :

Tot Ion:105 Resp: 585148

Ion Ratio Lower Upper

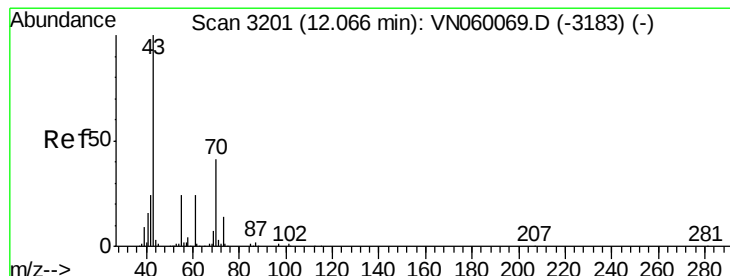
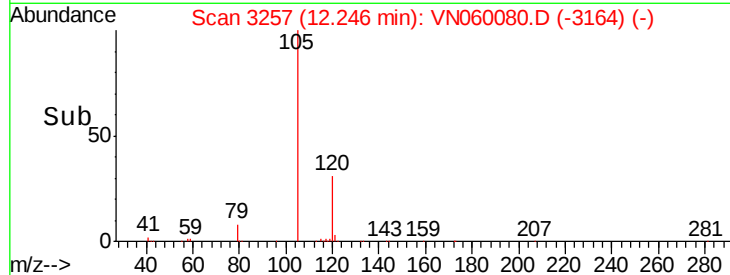
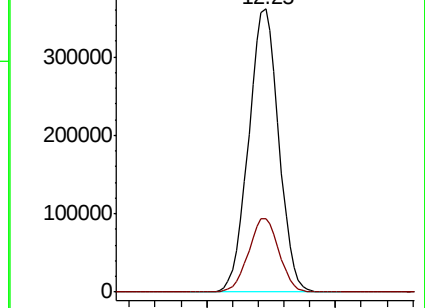
105 100

120 26.4 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 47.057 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060080.D

Acq: 12 Feb 2020 17:52

Tgt Ion: 43 Resp: 227666

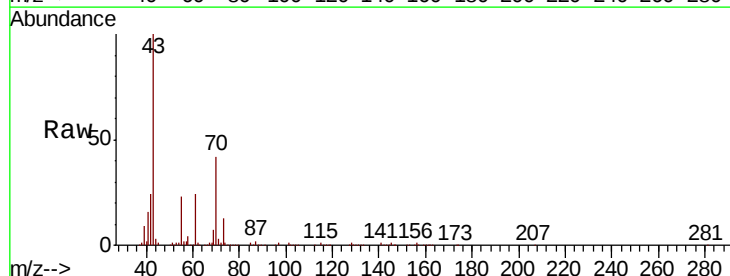
Ion Ratio Lower Upper

43 100

70 42.1 33.4 50.0

55 23.4 18.8 28.2

61 24.0 19.2 28.8

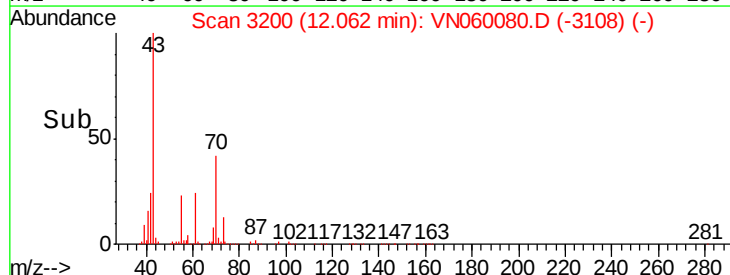
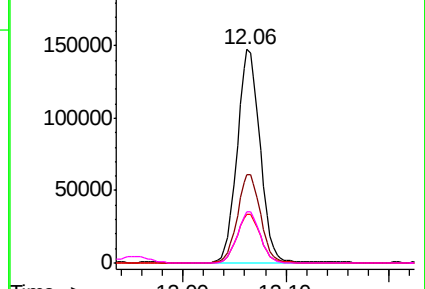


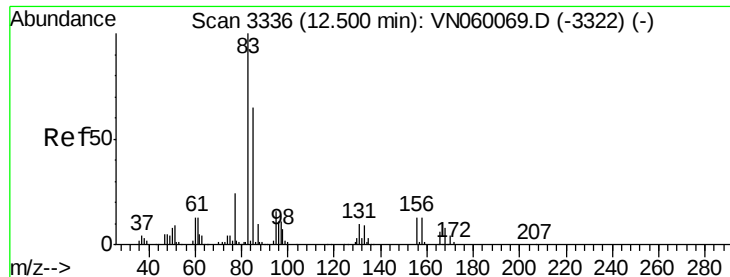
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 44.643 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060080.D

Acq: 12 Feb 2020 17:52

Instrument :

MSVOA_N

ClientSampled :

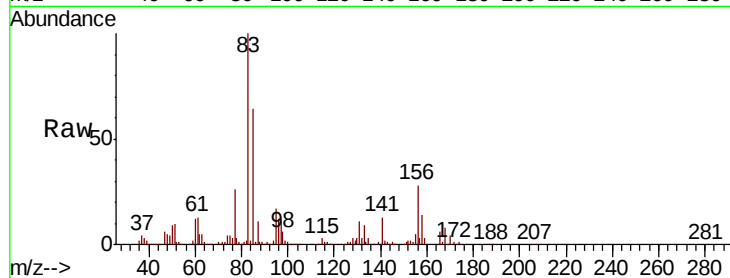
Tot Ion: 83 Resp: 172403

Ion Ratio Lower Upper

83 100

131 10.9 5.2 15.6

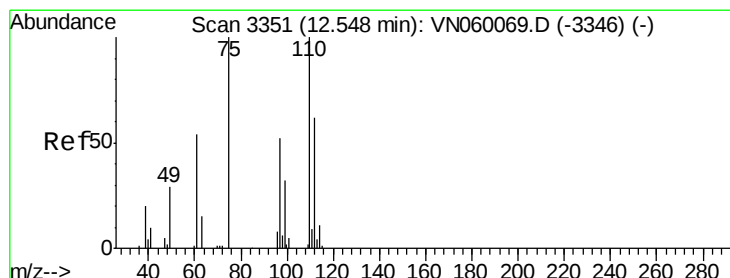
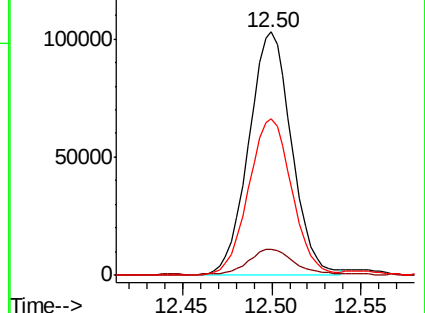
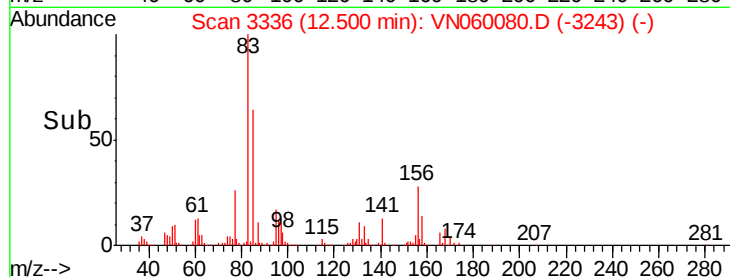
85 65.0 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VN060080.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN060080.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN060080.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 67.676 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VN060080.D

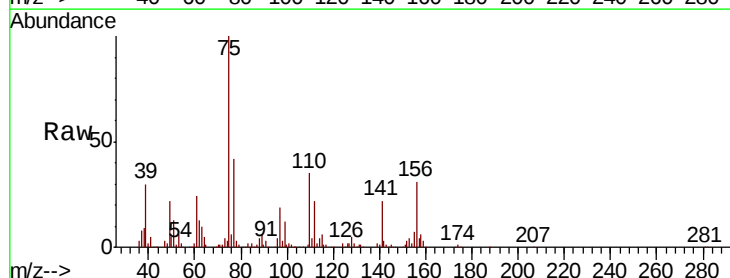
Acq: 12 Feb 2020 17:52

Tgt Ion: 75 Resp: 232637

Ion Ratio Lower Upper

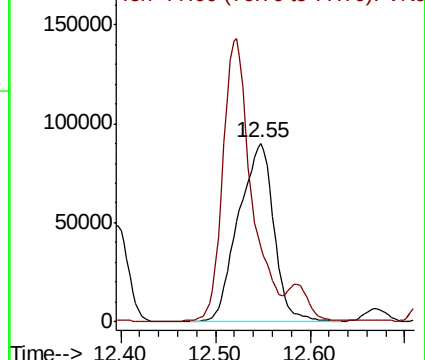
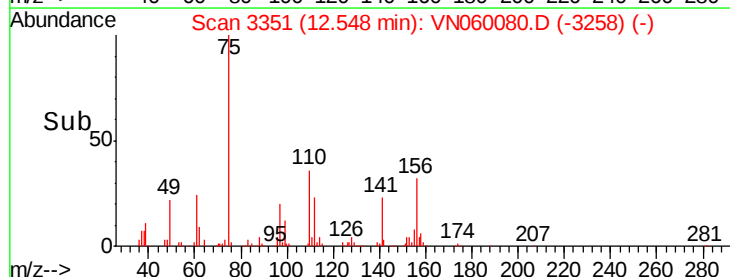
75 100

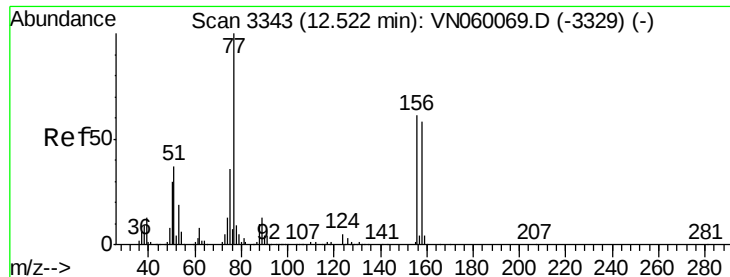
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060080.D (-3258) (-)

Ion 77.00 (76.70 to 77.70): VN060080.D (-3258) (-)





#77

Bromobenzene

Concen: 92.589 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN060080.D

Acq: 12 Feb 2020 17:52

Instrument :

MSVOA_N

ClientSampled :

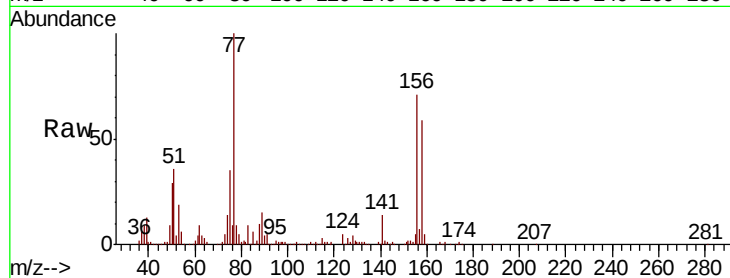
Tot Ion:156 Resp: 308288

Ion Ratio Lower Upper

156 100

77 97.8 98.7 296.1#

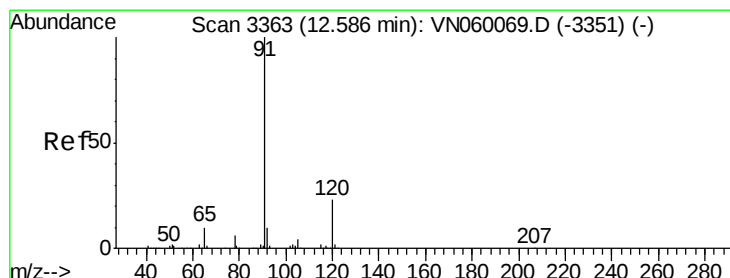
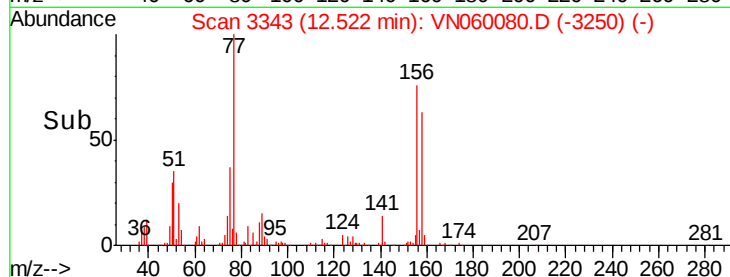
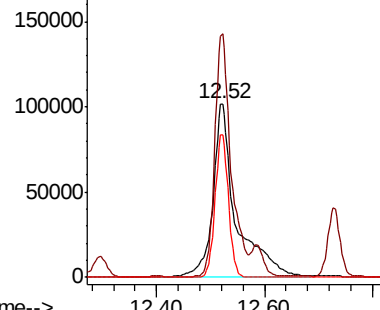
158 47.0 48.1 144.4#



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: 44.294 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN060080.D

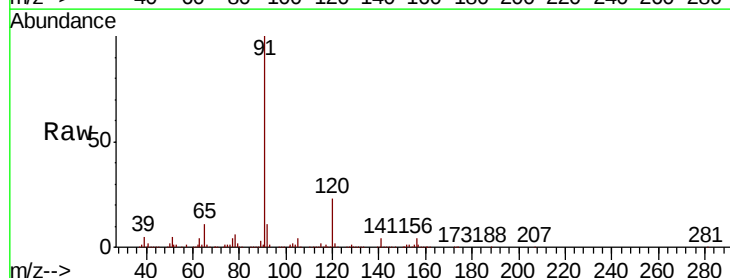
Acq: 12 Feb 2020 17:52

Tgt Ion: 91 Resp: 677086

Ion Ratio Lower Upper

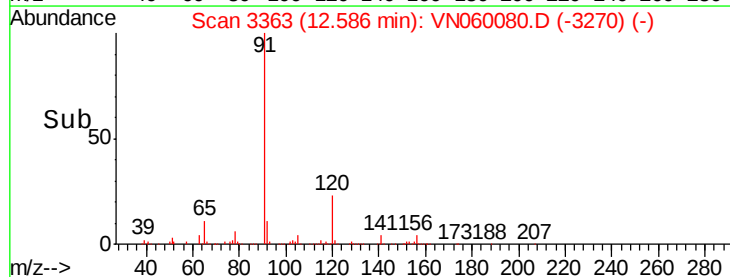
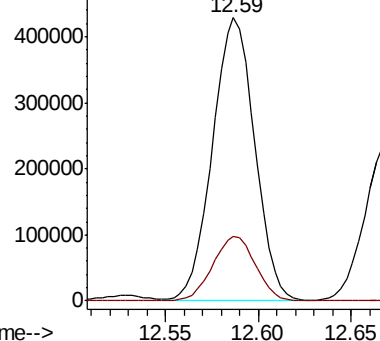
91 100

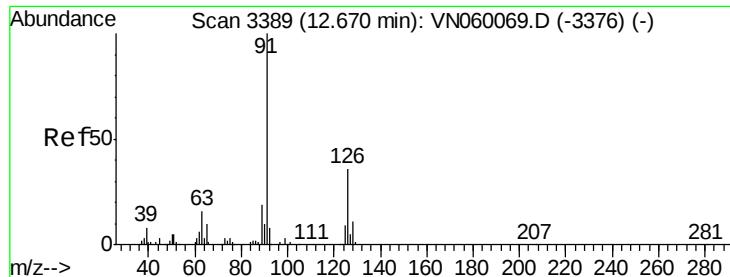
120 23.0 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 44.144 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN060080.D

Acq: 12 Feb 2020 17:52

Instrument :

MSVOA_N

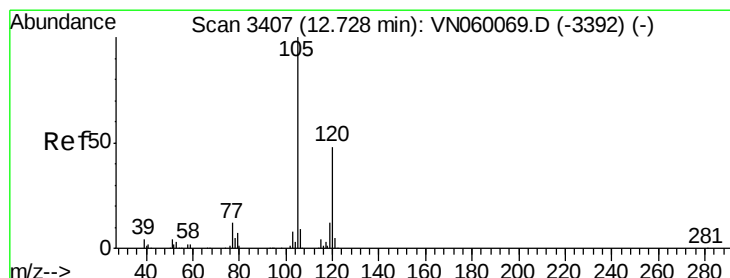
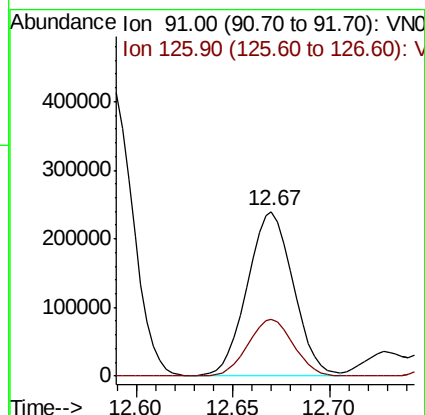
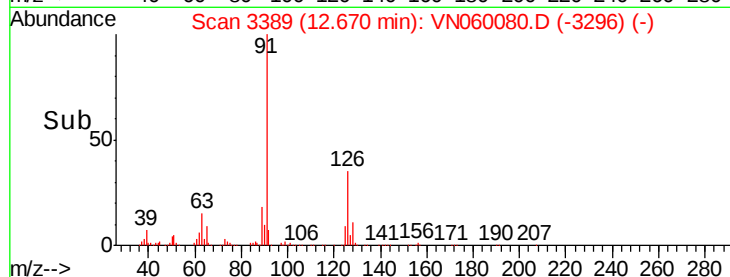
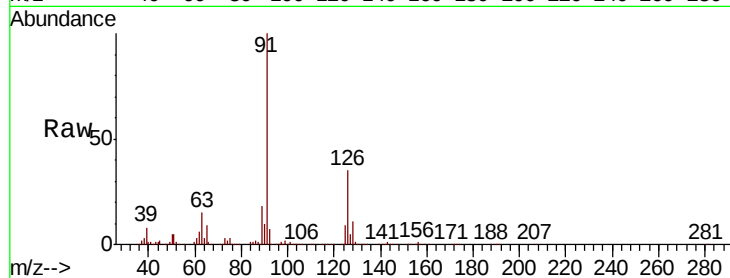
ClientSampled :

Tot Ion: 91 Resp: 396629

Ion Ratio Lower Upper

91 100

126 34.2 17.4 52.2



#80

1,3,5-Trimethylbenzene

Concen: 44.774 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060080.D

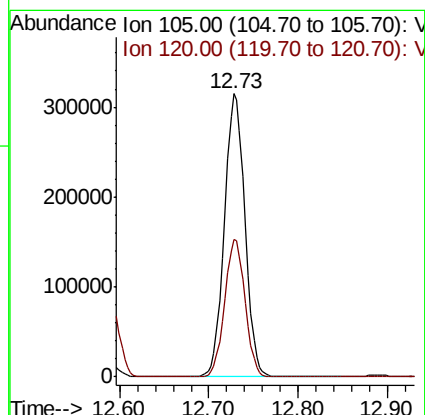
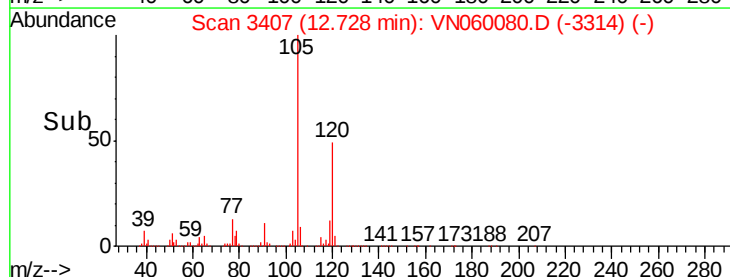
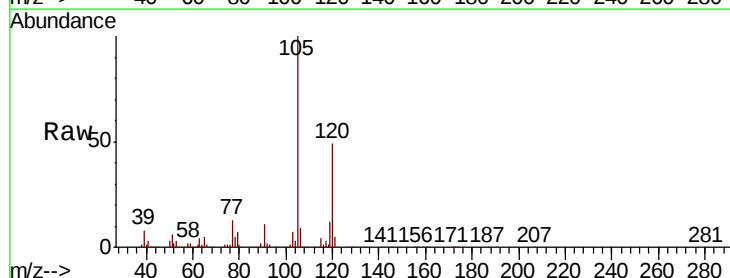
Acq: 12 Feb 2020 17:52

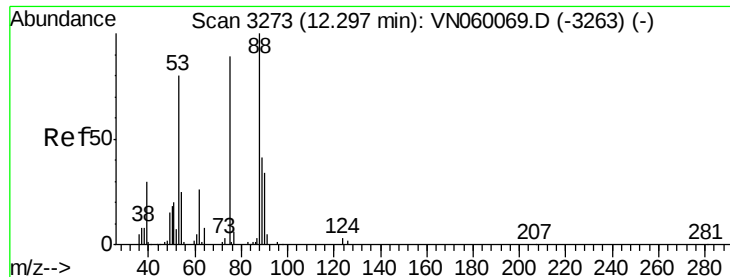
Tgt Ion: 105 Resp: 499474

Ion Ratio Lower Upper

105 100

120 48.1 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 44.473 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. -0.00 min

Lab File: VN060080.D

Acq: 12 Feb 2020 17:52

Instrument :

MSVOA_N

ClientSampleId :

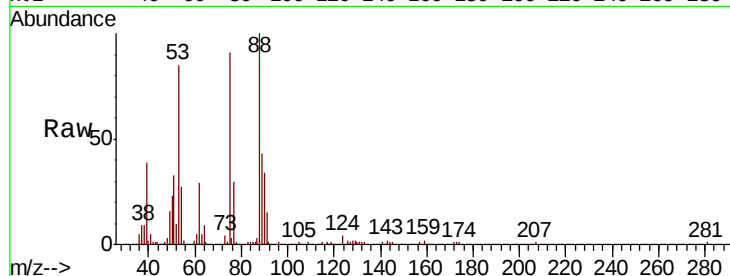
Tot Ion: 75 Resp: 62437

Ion Ratio Lower Upper

75 100

53 95.1 73.9 110.9

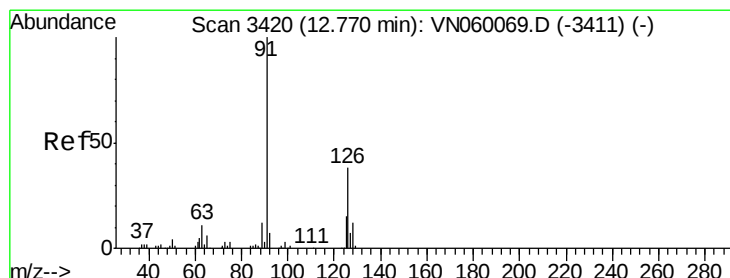
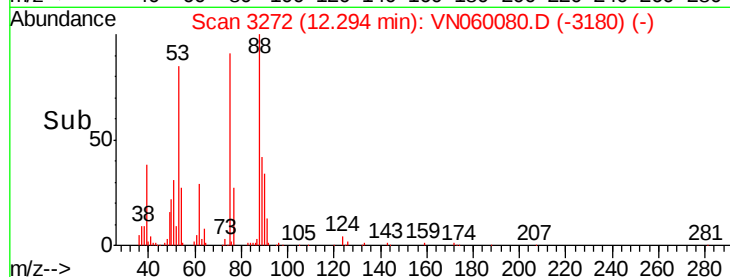
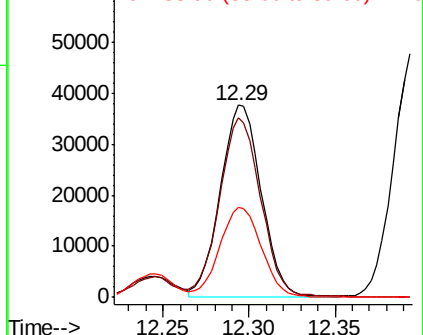
89 47.0 37.0 55.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 44.486 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. -0.00 min

Lab File: VN060080.D

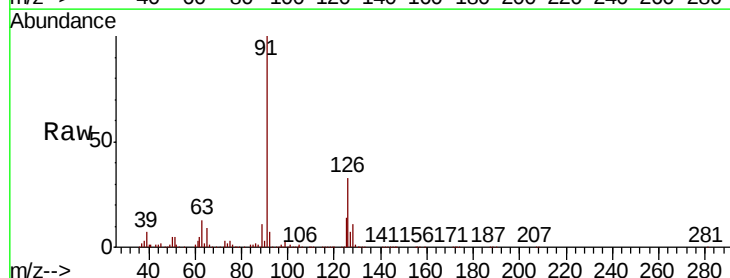
Acq: 12 Feb 2020 17:52

Tgt Ion: 91 Resp: 410074

Ion Ratio Lower Upper

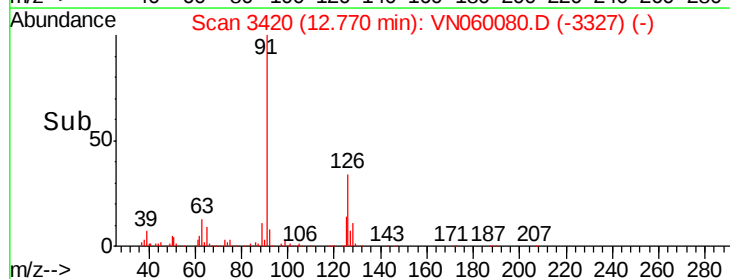
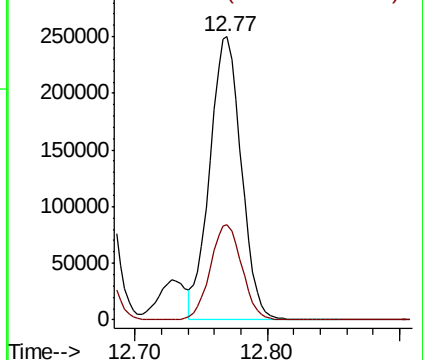
91 100

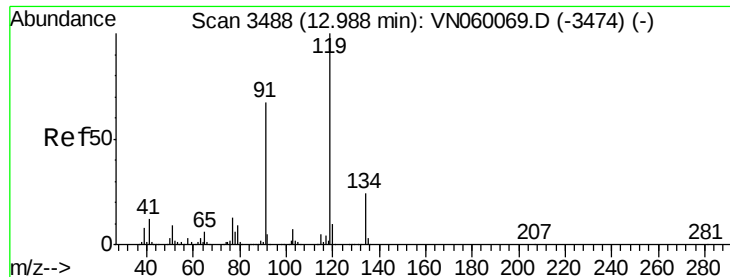
126 33.9 17.1 51.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 42.551 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. -0.00 min

Lab File: VN060080.D

Acq: 12 Feb 2020 17:52

Instrument :

MSVOA_N

ClientSampleId :

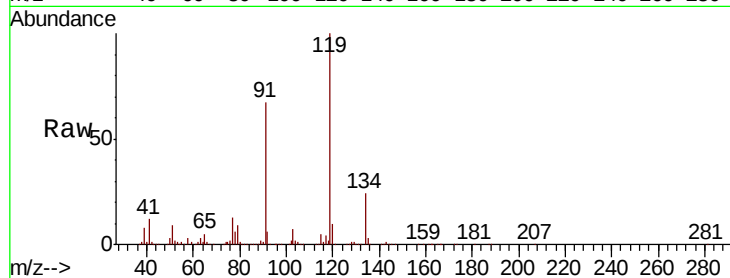
Tot Ion:119 Resp: 419907

Ion Ratio Lower Upper

119 100

91 66.2 32.7 98.1

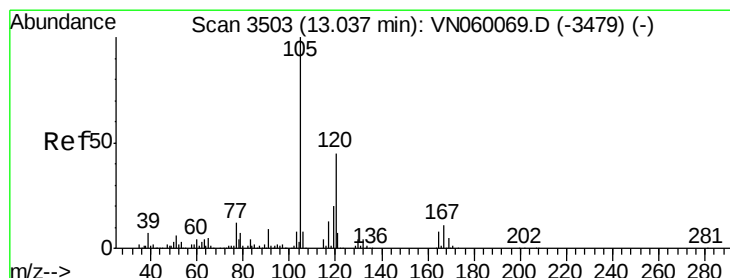
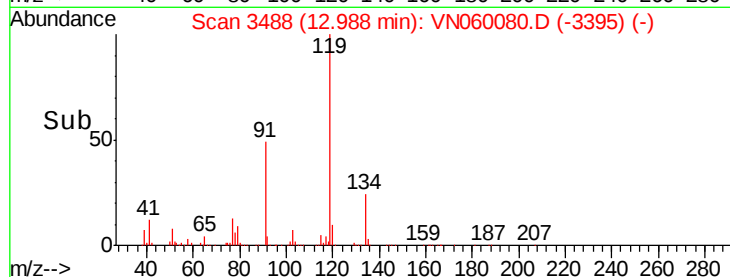
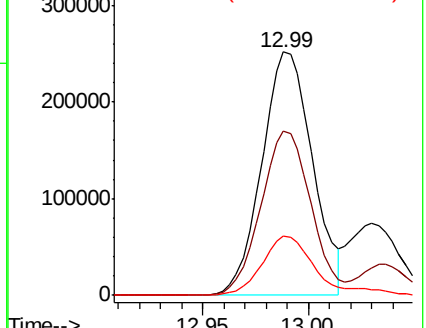
134 26.1 12.9 38.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 45.061 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. -0.00 min

Lab File: VN060080.D

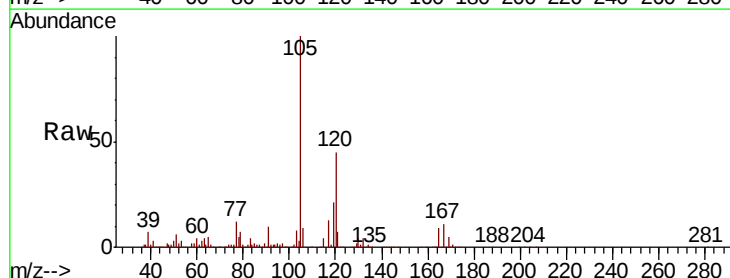
Acq: 12 Feb 2020 17:52

Tgt Ion:105 Resp: 496208

Ion Ratio Lower Upper

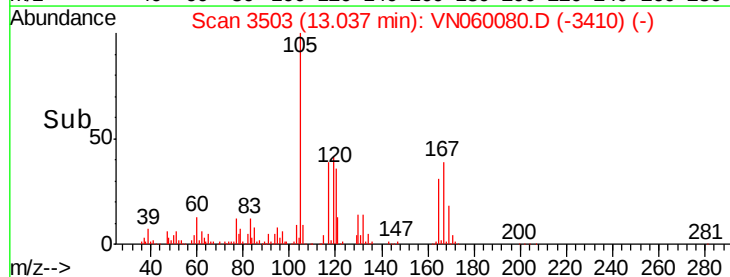
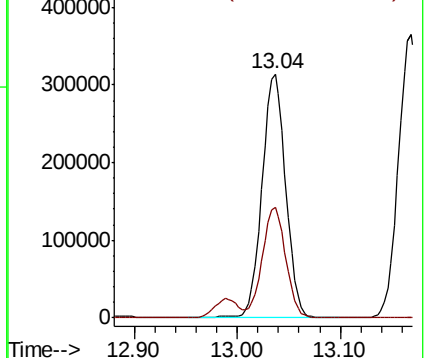
105 100

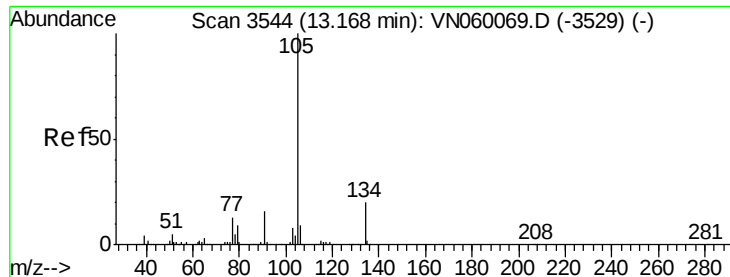
120 45.0 22.4 67.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 43.748 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN060080.D

Acq: 12 Feb 2020 17:52

Instrument :

MSVOA_N

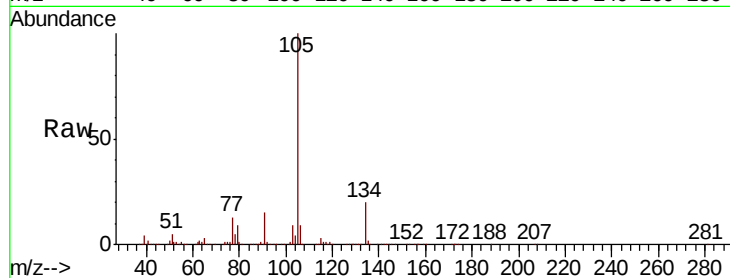
ClientSampled :

Tot Ion:105 Resp: 571756

Ion Ratio Lower Upper

105 100

134 19.9 9.9 29.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

400000

300000

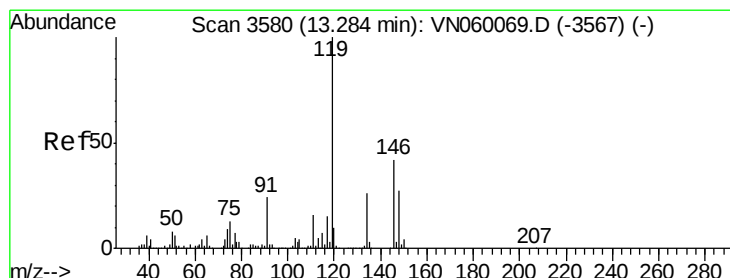
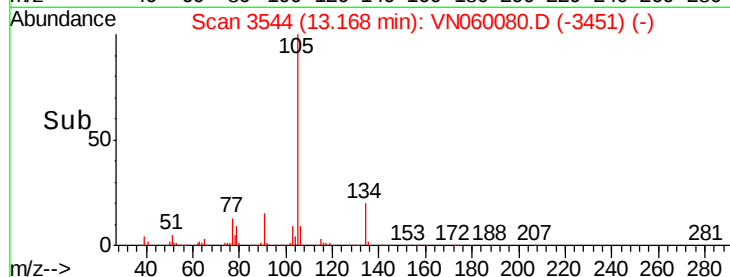
200000

100000

0

Time-->

13.10 13.15 13.20 13.25



#86

p-Isopropyltoluene

Concen: 44.515 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN060080.D

Acq: 12 Feb 2020 17:52

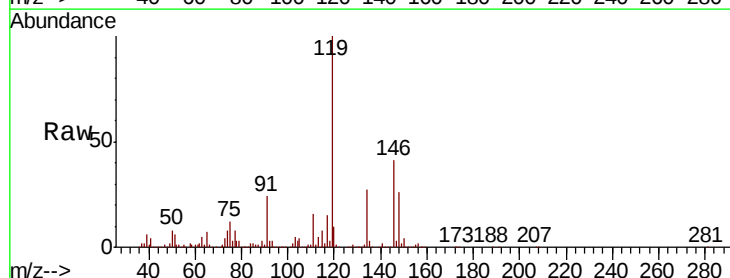
Tgt Ion:119 Resp: 527106

Ion Ratio Lower Upper

119 100

134 26.8 13.3 39.8

91 23.7 11.9 35.9



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

13.28

400000

300000

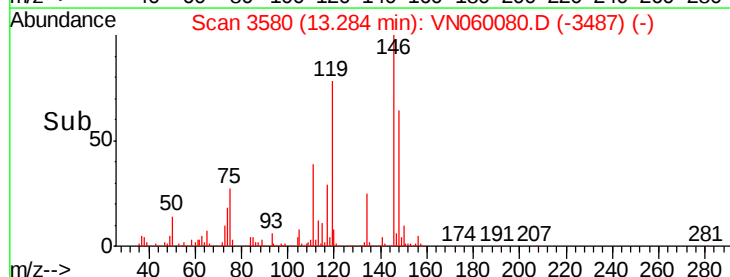
200000

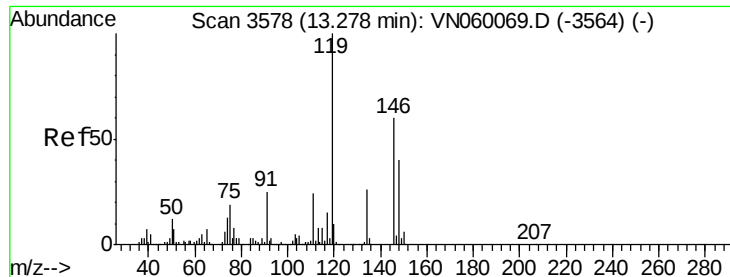
100000

0

Time-->

13.20 13.25 13.30 13.35





#87

1,3-Dichlorobenzene

Concen: 44.803 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. -0.00 min

Lab File: VN060080.D

Acq: 12 Feb 2020 17:52

Instrument :

MSVOA_N

ClientSampled :

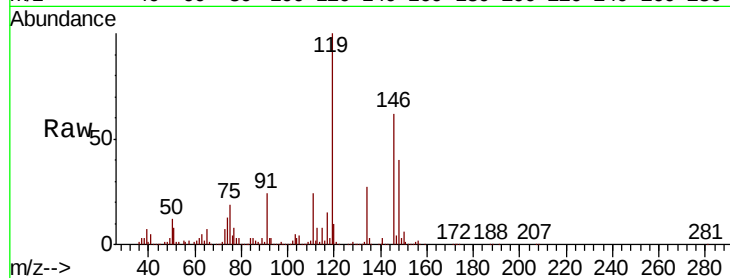
Tot Ion:146 Resp: 264063

Ion Ratio Lower Upper

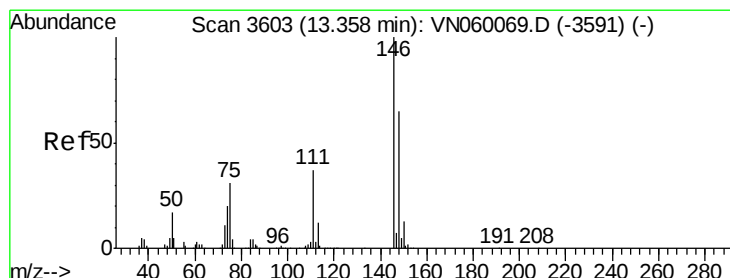
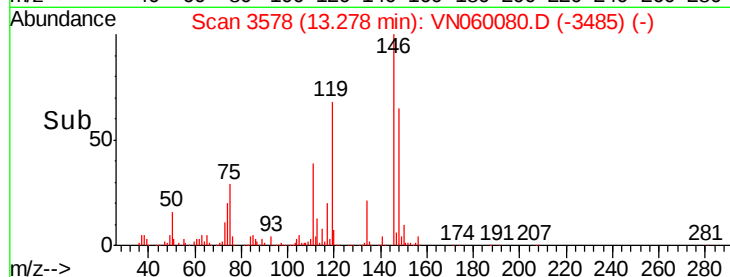
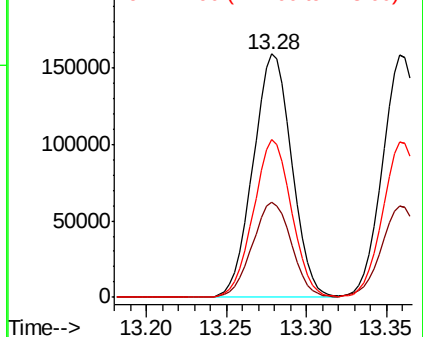
146 100

111 39.4 19.8 59.3

148 63.9 32.0 96.2



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: 44.690 ug/l

RT: 13.36 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN060080.D

Acq: 12 Feb 2020 17:52

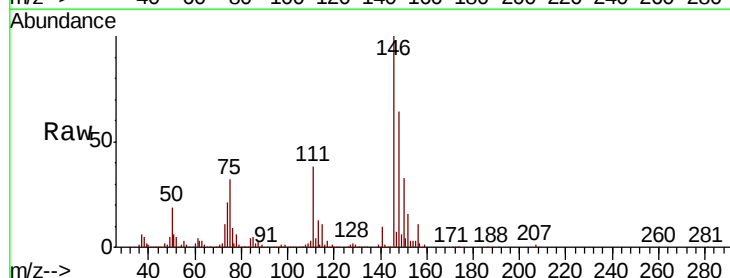
Tgt Ion:146 Resp: 263346

Ion Ratio Lower Upper

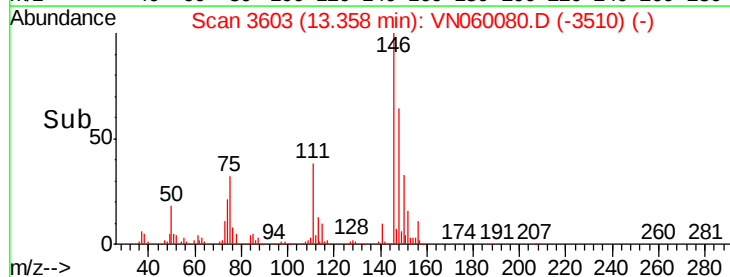
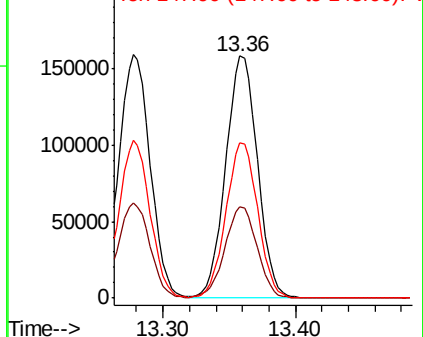
146 100

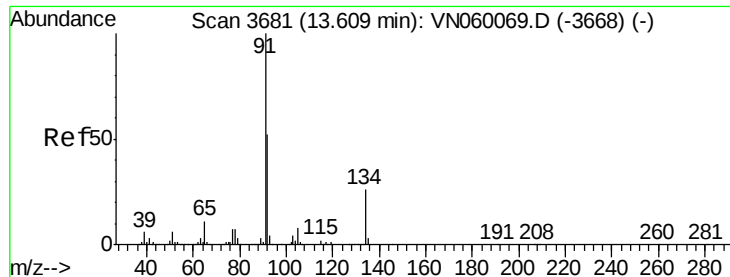
111 38.3 18.9 56.5

148 64.4 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

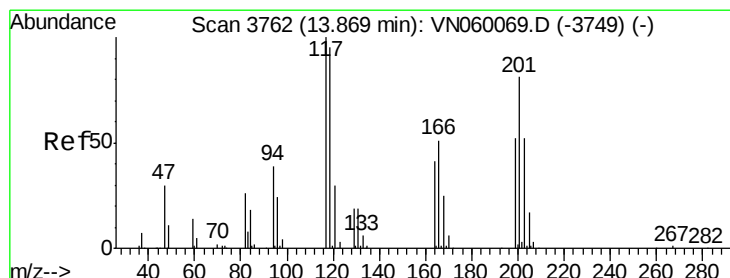
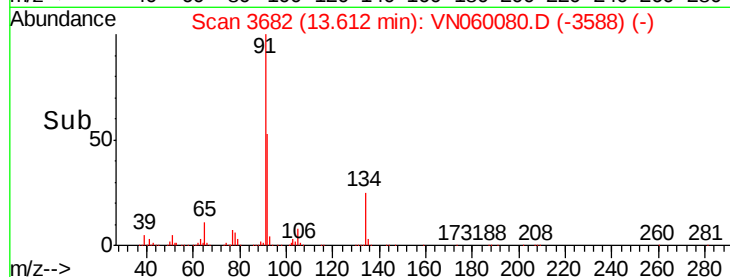
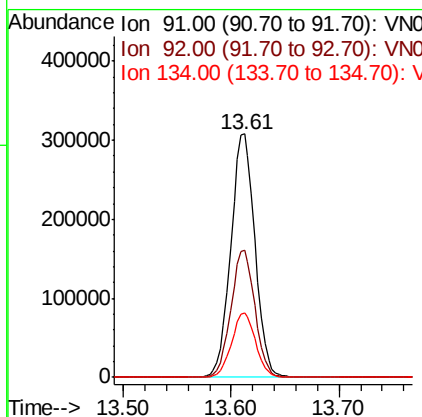
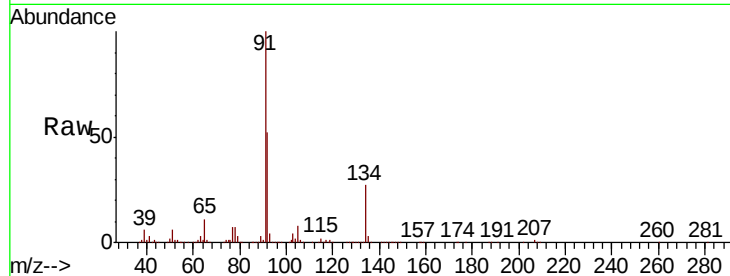




#89
n-Butylbenzene
Concen: 45.935 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060080.D
Acq: 12 Feb 2020 17:52

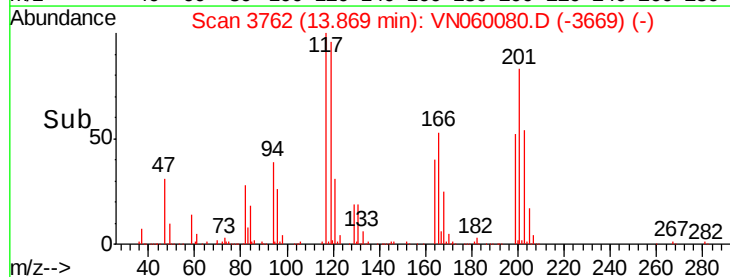
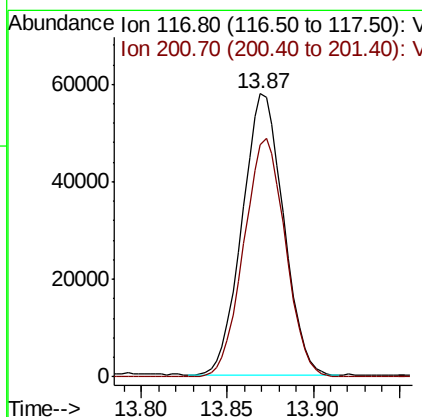
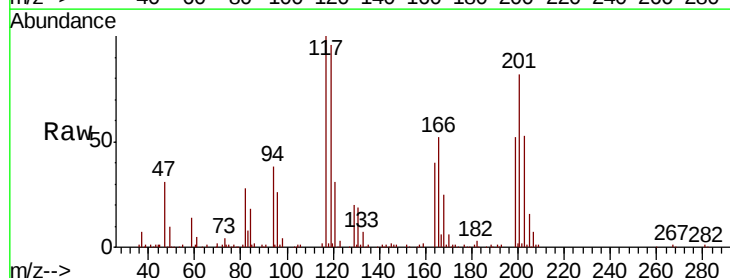
Instrument :
MSVOA_N
ClientSampleId :

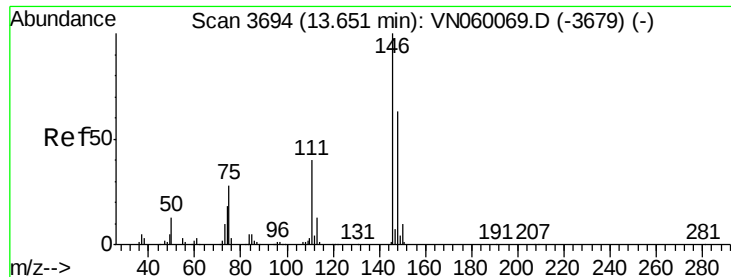
Tot Ion: 91 Resp: 478411
Ion Ratio Lower Upper
91 100
92 52.2 26.1 78.2
134 26.6 13.1 39.3



#90
Hexachloroethane
Concen: 43.358 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN060080.D
Acq: 12 Feb 2020 17:52

Tgt Ion: 117 Resp: 95915
Ion Ratio Lower Upper
117 100
201 85.4 41.7 125.1





#91

1,2-Dichlorobenzene

Concen: 44.362 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN060080.D

Acq: 12 Feb 2020 17:52

Instrument :

MSVOA_N

ClientSampled :

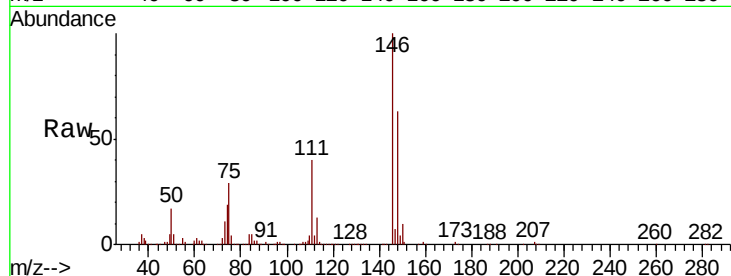
Tot Ion:146 Resp: 255878

Ion Ratio Lower Upper

146 100

111 40.7 20.1 60.2

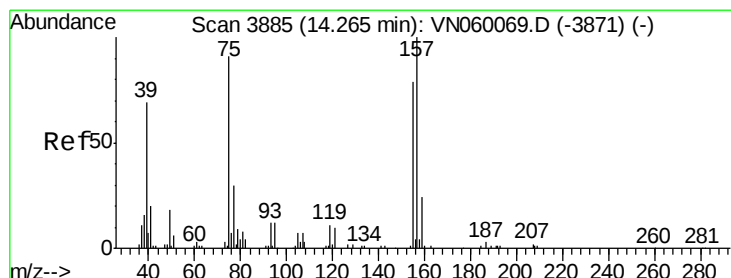
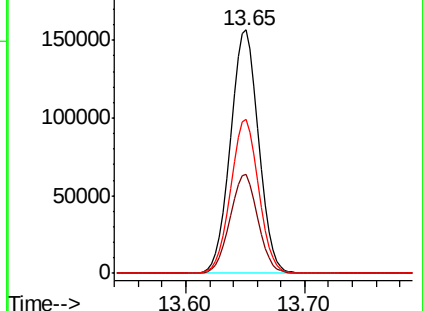
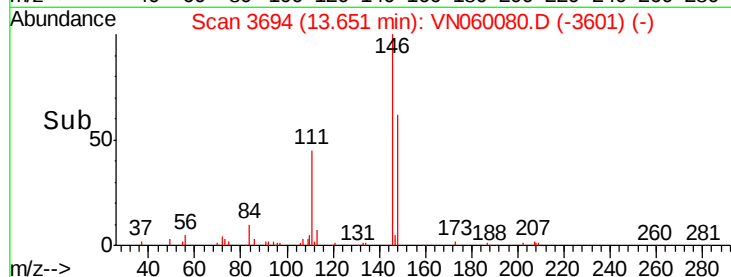
148 63.4 31.9 95.5



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: 44.511 ug/l

RT: 14.26 min Scan# 3885

Delta R.T. 0.00 min

Lab File: VN060080.D

Acq: 12 Feb 2020 17:52

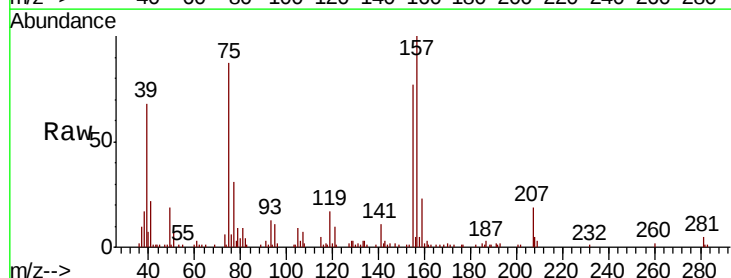
Tgt Ion: 75 Resp: 36619

Ion Ratio Lower Upper

75 100

155 86.0 43.0 129.0

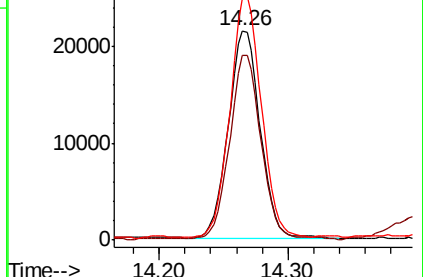
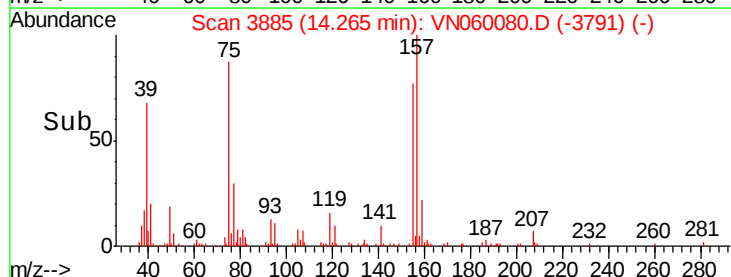
157 113.6 54.9 164.5



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

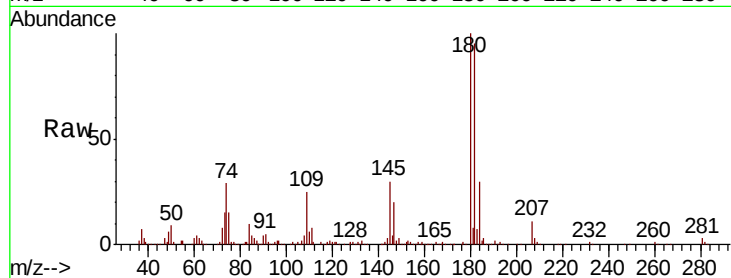




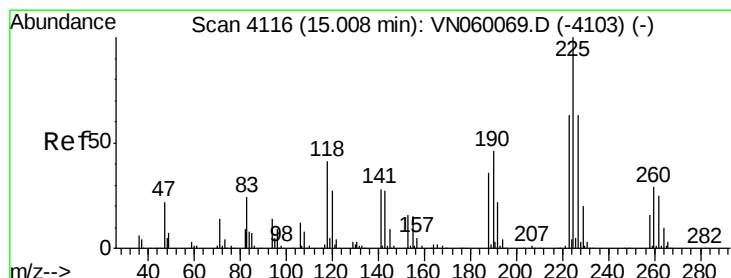
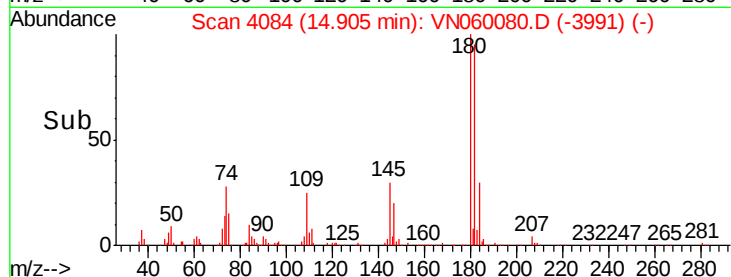
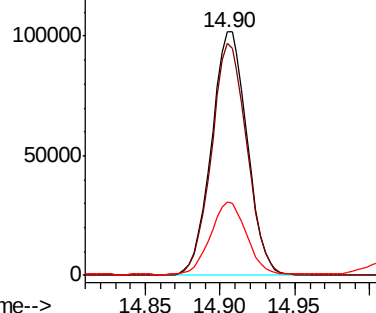
#93
 1,2,4-Trichlorobenzene
 Concen: 49.958 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN060080.D
 Acq: 12 Feb 2020 17:52

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 169315
 Ion Ratio Lower Upper
 180 100
 182 94.6 47.9 143.8
 145 29.7 15.2 45.5

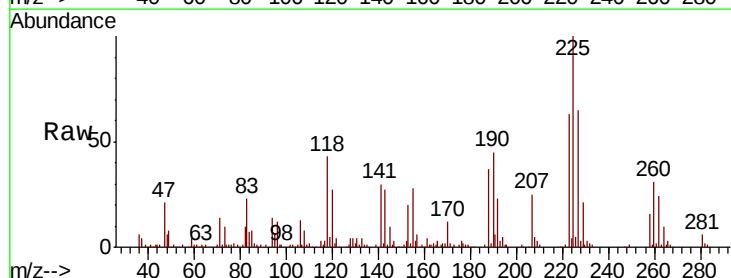


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

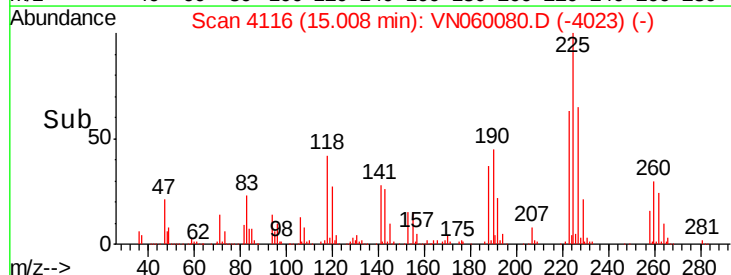
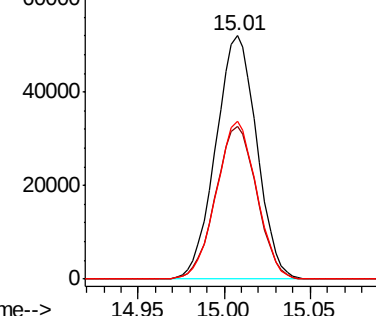


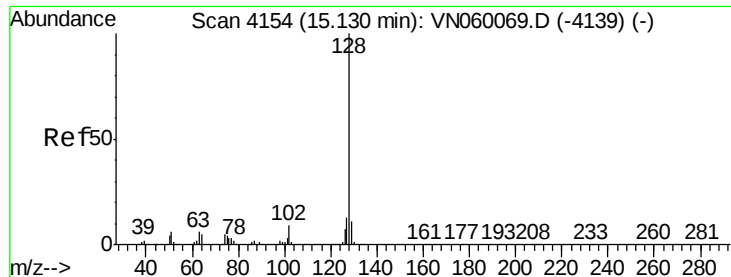
#94
 Hexachlorobutadiene
 Concen: 43.344 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN060080.D
 Acq: 12 Feb 2020 17:52

Tgt Ion:225 Resp: 85998
 Ion Ratio Lower Upper
 225 100
 223 63.0 31.5 94.5
 227 63.7 31.8 95.4



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: 51.403 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN060080.D

Acq: 12 Feb 2020 17:52

Instrument :

MSVOA_N

ClientSampleId :

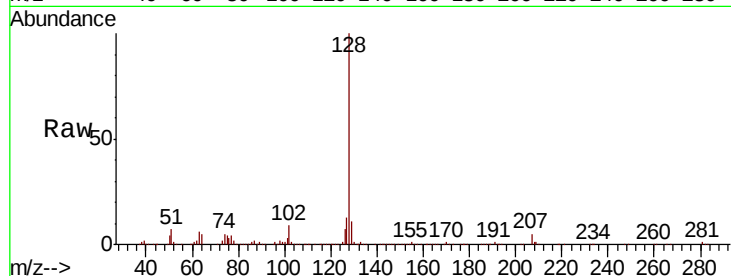
Tot Ion:128 Resp: 470591

Ion Ratio Lower Upper

128 100

127 13.0 10.3 15.5

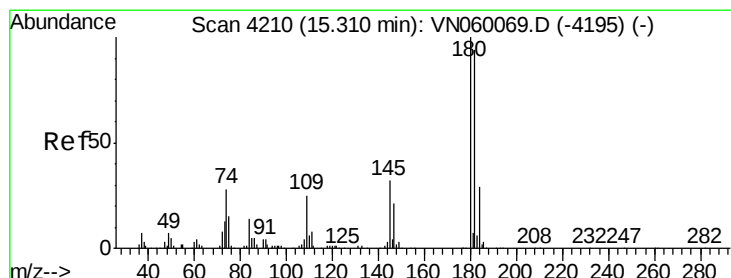
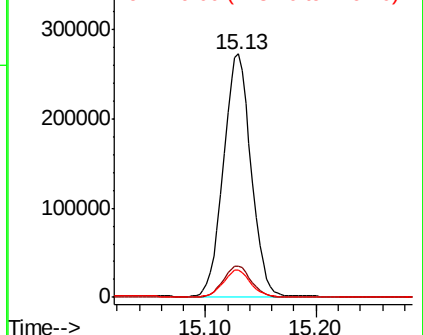
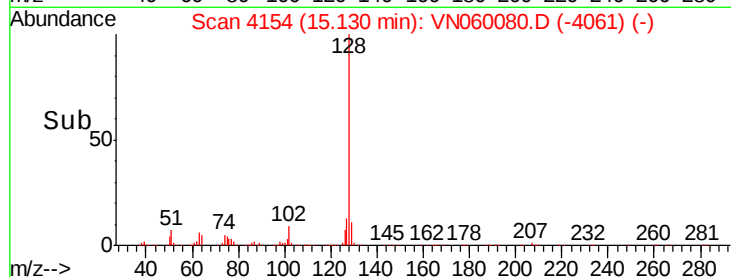
129 10.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 48.097 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN060080.D

Acq: 12 Feb 2020 17:52

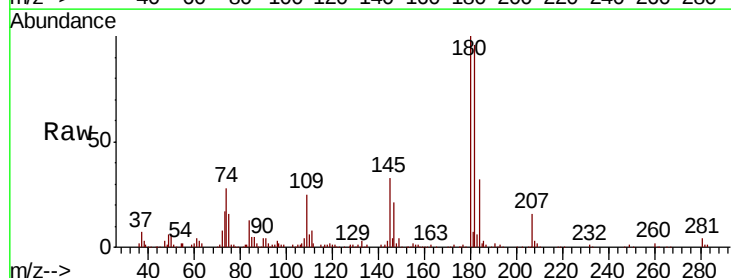
Tgt Ion:180 Resp: 162328

Ion Ratio Lower Upper

180 100

182 95.2 47.5 142.5

145 32.3 16.1 48.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

