

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021920\
 Data File : VN060159.D
 Acq On : 19 Feb 2020 17:25
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 20 01:19:14 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	183130	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	297295	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	280226	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	144051	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	111058	49.84	ug/l	0.00
Spiked Amount			Recovery	=	99.68%	
35) Dibromofluoromethane	7.57	113	88817	48.60	ug/l	0.00
Spiked Amount			Recovery	=	97.20%	
50) Toluene-d8	10.08	98	346297	48.12	ug/l	0.00
Spiked Amount			Recovery	=	96.24%	
62) 4-Bromofluorobenzene	12.40	95	130936	49.51	ug/l	0.00
Spiked Amount			Recovery	=	99.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	89273	48.770	ug/l	100
3) Chloromethane	2.04	50	103300	47.421	ug/l	98
4) Vinyl Chloride	2.17	62	122302	49.256	ug/l	99
5) Bromomethane	2.54	94	74513	48.942	ug/l	96
6) Chloroethane	2.68	64	61620	49.066	ug/l	97
7) Trichlorofluoromethane	3.00	101	153858	48.061	ug/l	100
8) Diethyl Ether	3.38	74	54577	51.216	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	85536	48.126	ug/l	99
10) Methyl Iodide	3.93	142	123806	51.741	ug/l	99
11) Tert butyl alcohol	4.73	59	88819	266.351	ug/l	100
12) 1,1-Dichloroethene	3.72	96	84772	48.961	ug/l	99
13) Acrolein	3.58	56	95965	291.146	ug/l	96
14) Allyl chloride	4.29	41	122996	48.264	ug/l	98
15) Acrylonitrile	4.94	53	222859	273.659	ug/l	100
16) Acetone	3.78	43	198052	203.756	ug/l	100
17) Carbon Disulfide	4.03	76	239425	45.877	ug/l	99
18) Methyl Acetate	4.29	43	100496	55.039	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	288719	49.585	ug/l	99
20) Methylene Chloride	4.52	84	95447	49.219	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	91483	48.471	ug/l	99
22) Diisopropyl ether	5.92	45	284145	50.876	ug/l	95
23) Vinyl Acetate	5.86	43	1222907	260.740	ug/l	99
24) 1,1-Dichloroethane	5.82	63	168520	49.809	ug/l	99
25) 2-Butanone	6.80	43	300388	245.722	ug/l	96
26) 2,2-Dichloropropane	6.80	77	154478	48.071	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	107980	48.886	ug/l	100
28) Bromochloromethane	7.17	49	65586	49.308	ug/l	98
29) Tetrahydrofuran	7.18	42	197321	263.108	ug/l	99
30) Chloroform	7.35	83	176960	49.930	ug/l	98
31) Cyclohexane	7.63	56	149917	47.567	ug/l	98
32) 1,1,1-Trichloroethane	7.54	97	161300	49.803	ug/l	100
36) 1,1-Dichloropropene	7.77	75	130712	47.468	ug/l	99
37) Ethyl Acetate	6.90	43	126164	50.695	ug/l	99
38) Carbon Tetrachloride	7.75	117	141356	47.267	ug/l	97

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 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)
39) Methylcyclohexane	9.07	83	159122	46.551	ug/l	98
40) Benzene	8.02	78	388871	47.607	ug/l	99
41) Methacrylonitrile	7.18	41	183439	175.761	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	141097	49.285	ug/l	99
43) Isopropyl Acetate	8.14	43	217762	51.187	ug/l	98
44) Trichloroethene	8.82	130	104268	46.100	ug/l	95
45) 1,2-Dichloropropane	9.10	63	101546	50.213	ug/l	99
46) Dibromomethane	9.19	93	69870	48.891	ug/l	98
47) Bromodichloromethane	9.39	83	141515	48.707	ug/l	98
48) Methyl methacrylate	9.18	41	97245	50.948	ug/l	99
49) 1,4-Dioxane	9.18	88	35018	1073.768	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	645838	262.279	ug/l	100
52) Toluene	10.14	92	255456	48.769	ug/l	97
53) t-1,3-Dichloropropene	10.37	75	162828	49.649	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	169124	48.973	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	99520	48.700	ug/l	98
56) Ethyl methacrylate	10.42	69	150757	52.150	ug/l	100
57) 1,3-Dichloropropane	10.70	76	165929	49.208	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	348626	258.866	ug/l	99
59) 2-Hexanone	10.74	43	486924	255.987	ug/l	100
60) Dibromochloromethane	10.89	129	115587	49.290	ug/l	98
61) 1,2-Dibromoethane	10.99	107	106015	49.489	ug/l	97
64) Tetrachloroethene	10.62	164	91932	43.156	ug/l	99
65) Chlorobenzene	11.43	112	273912	47.978	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	105541	48.867	ug/l	99
67) Ethyl Benzene	11.50	91	498281	48.391	ug/l	99
68) m/p-Xylenes	11.62	106	374023	96.782	ug/l	99
69) o-Xylene	11.94	106	181052	48.657	ug/l	99
70) Styrene	11.96	104	301562	50.257	ug/l	100
71) Bromoform	12.12	173	89449	51.493	ug/l #	98
73) Isopropylbenzene	12.24	105	494270	45.949	ug/l	99
74) N-amyl acetate	12.06	43	198076	51.065	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	153480	49.570	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	200981	72.925	ug/l #	100
77) Bromobenzene	12.52	156	124302	46.563	ug/l	100
78) n-propylbenzene	12.59	91	568498	46.386	ug/l	100
79) 2-Chlorotoluene	12.67	91	331099	45.963	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	416696	46.590	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	55535	49.339	ug/l	98
82) 4-Chlorotoluene	12.77	91	343762	46.513	ug/l	100
83) tert-Butylbenzene	12.99	119	361565	45.699	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	417081	47.241	ug/l	100
85) sec-Butylbenzene	13.17	105	485009	46.287	ug/l	100
86) p-Isopropyltoluene	13.28	119	440630	46.413	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	223815	47.364	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	220457	46.663	ug/l	99
89) n-Butylbenzene	13.61	91	388367	46.510	ug/l	100
90) Hexachloroethane	13.87	117	82396	46.457	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	217558	47.045	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	32770	49.773	ug/l	97

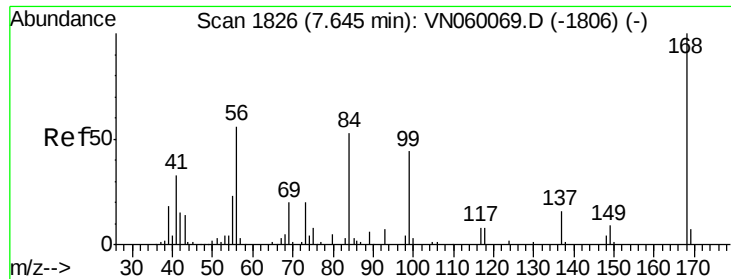
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Quant Title : SW846 8260
QLast Update : Wed Feb 12 14:12:21 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	130941	48.189	ug/l	100
94) Hexachlorobutadiene	15.01	225	69333	43.586	ug/l	100
95) Naphthalene	15.13	128	358781	48.880	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	126204	46.640	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060159.D

Acq: 19 Feb 2020 17:25

Instrument :

MSVOA_N

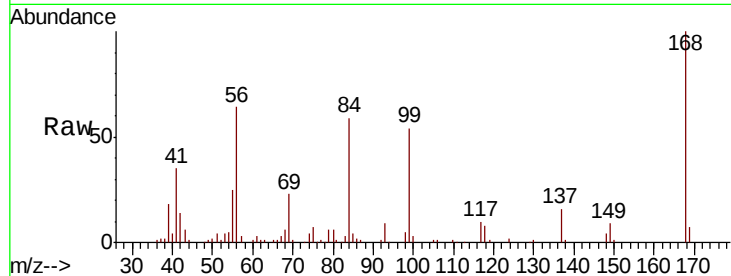
ClientSampleId :

Tot Ion:168 Resp: 183130

Ion Ratio Lower Upper

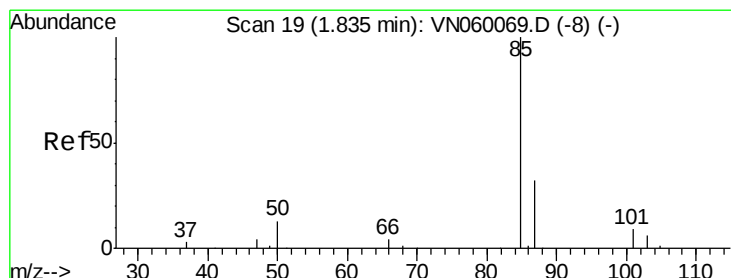
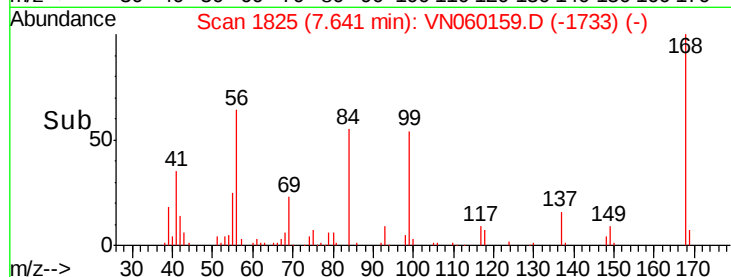
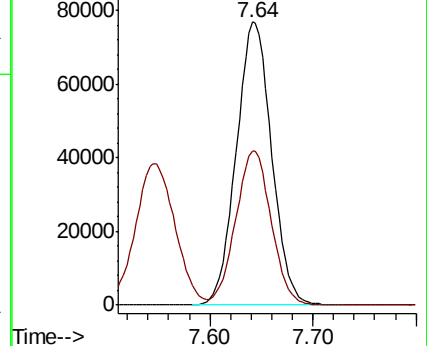
168 100

99 54.3 42.7 64.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 48.770 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN060159.D

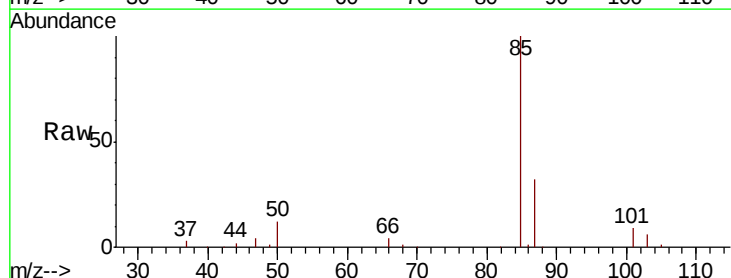
Acq: 19 Feb 2020 17:25

Tgt Ion: 85 Resp: 89273

Ion Ratio Lower Upper

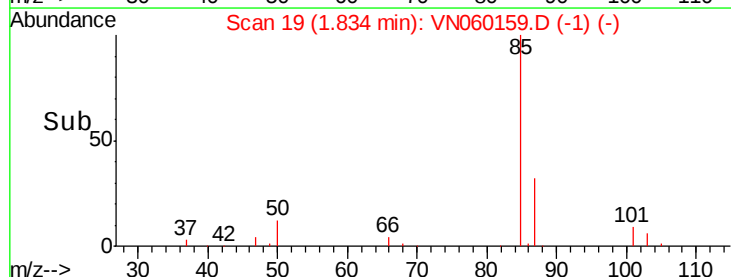
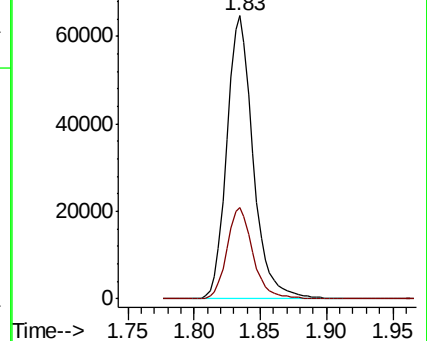
85 100

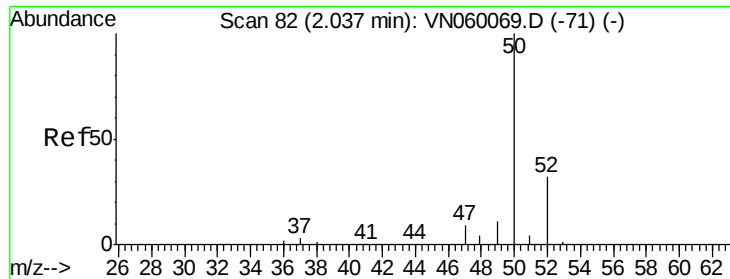
87 32.1 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 47.421 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN060159.D

Acq: 19 Feb 2020 17:25

Instrument :

MSVOA_N

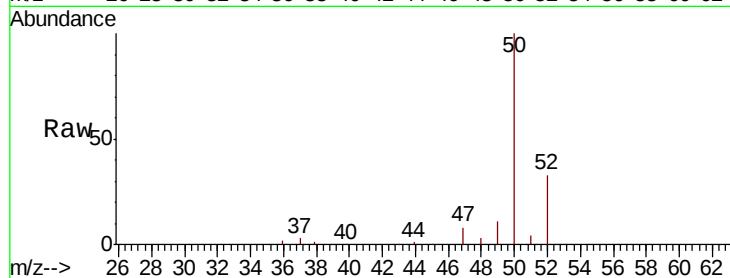
ClientSampleId :

Tot Ion: 50 Resp: 103300

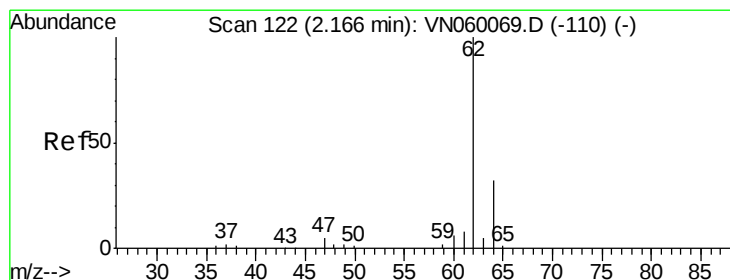
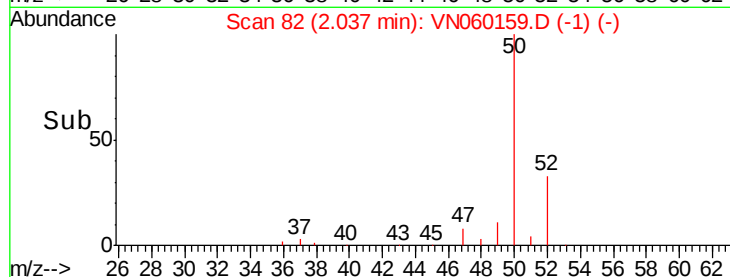
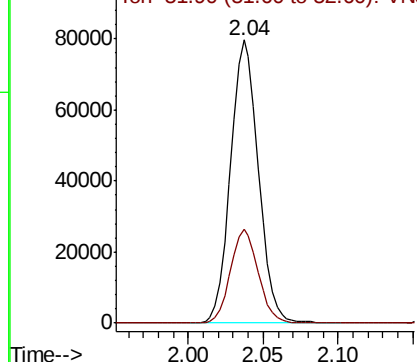
Ion Ratio Lower Upper

50 100

52 33.0 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VNO
Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 49.256 ug/l

RT: 2.17 min Scan# 122

Delta R.T. -0.00 min

Lab File: VN060159.D

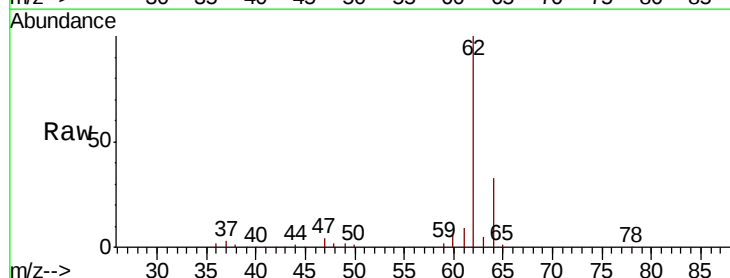
Acq: 19 Feb 2020 17:25

Tgt Ion: 62 Resp: 122302

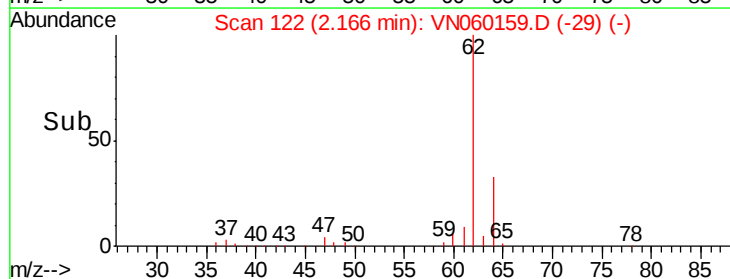
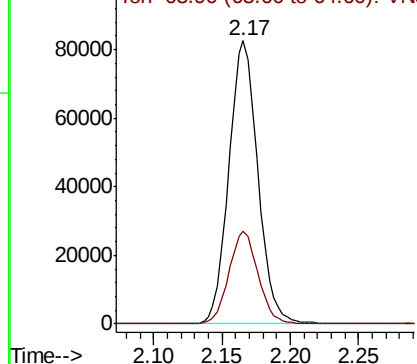
Ion Ratio Lower Upper

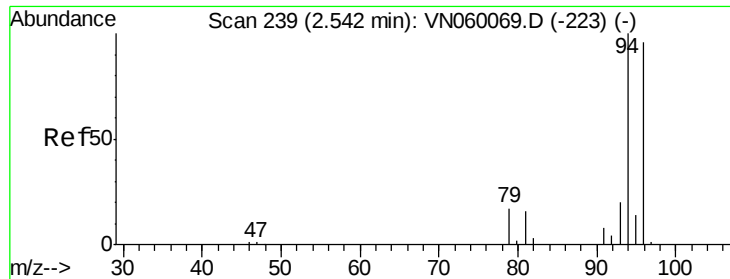
62 100

64 32.8 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 48.942 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.01 min

Lab File: VN060159.D

Acq: 19 Feb 2020 17:25

Instrument :

MSVOA_N

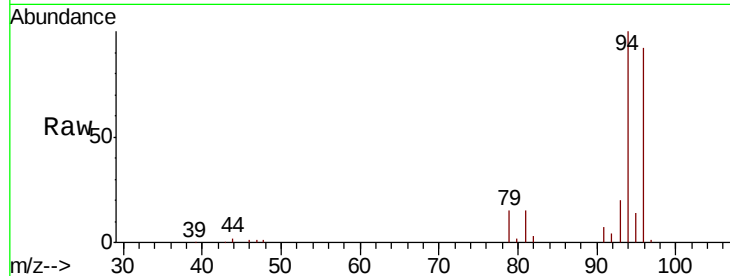
ClientSampleId :

Tot Ion: 94 Resp: 74513

Ion Ratio Lower Upper

94 100

96 92.3 76.7 115.1

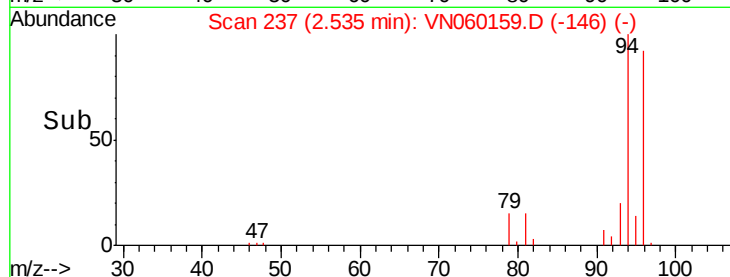


Abundance Ion 93.90 (93.60 to 94.60): VN060159.D (-223) (-)

Ion 95.90 (95.60 to 96.60): VN060159.D (-223) (-)

2.54

Time-->



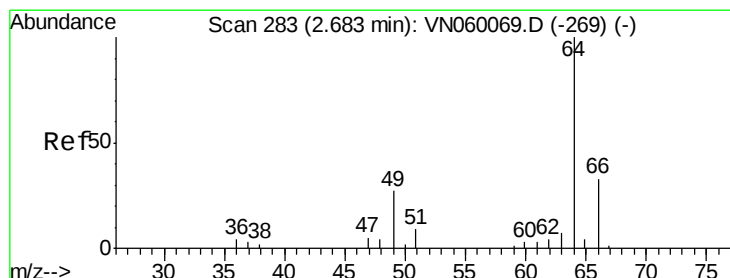
Abundance

Ion 93.90 (93.60 to 94.60): VN060159.D (-223) (-)

Ion 95.90 (95.60 to 96.60): VN060159.D (-223) (-)

2.54

Time-->



#6

Chloroethane

Concen: 49.066 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN060159.D

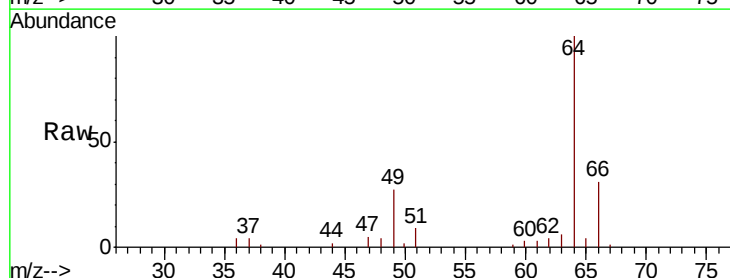
Acq: 19 Feb 2020 17:25

Tgt Ion: 64 Resp: 61620

Ion Ratio Lower Upper

64 100

66 31.4 26.6 40.0

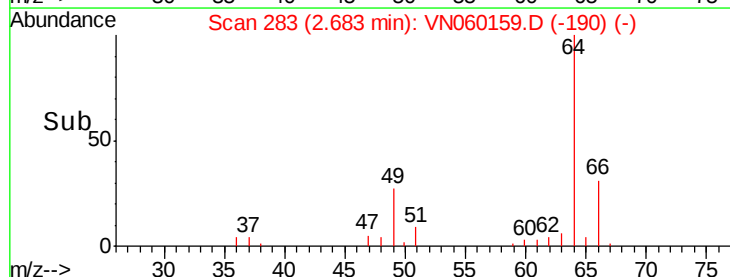


Abundance Ion 63.90 (63.60 to 64.60): VN060159.D (-269) (-)

Ion 65.90 (65.60 to 66.60): VN060159.D (-269) (-)

2.68

Time-->



Abundance

Ion 63.90 (63.60 to 64.60): VN060159.D (-269) (-)

Ion 65.90 (65.60 to 66.60): VN060159.D (-269) (-)

2.68

Time-->

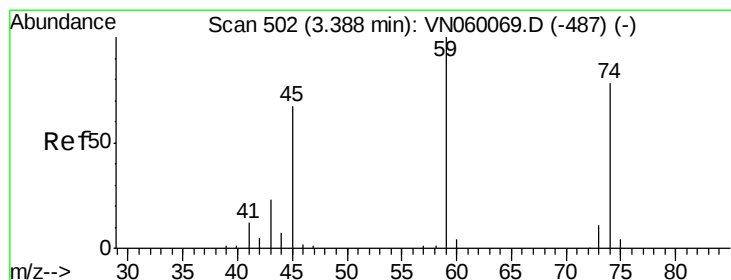
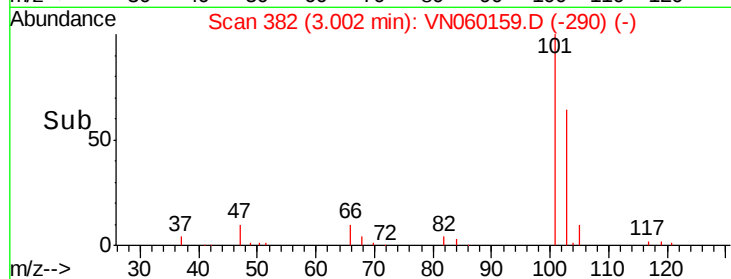
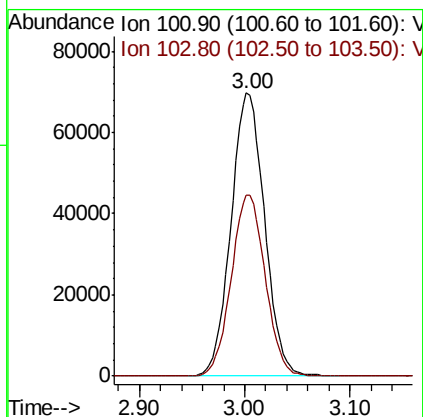
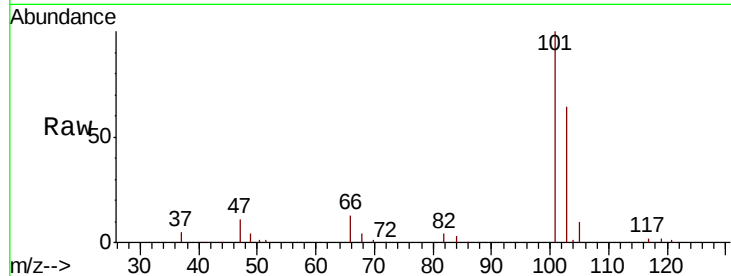


#7

Trichlorofluoromethane
Concen: 48.061 ug/l
RT: 3.00 min Scan# 382
Delta R.T. -0.00 min
Lab File: VN060159.D
Acq: 19 Feb 2020 17:25

Instrument :
MSVOA_N
ClientSampled :

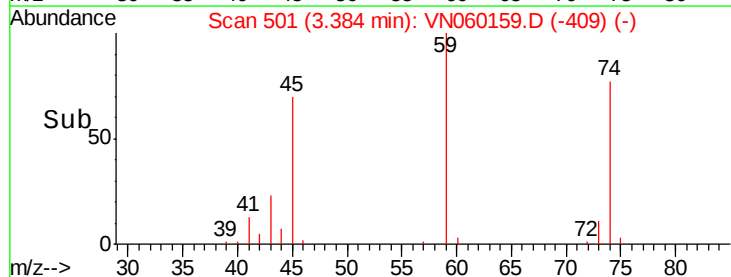
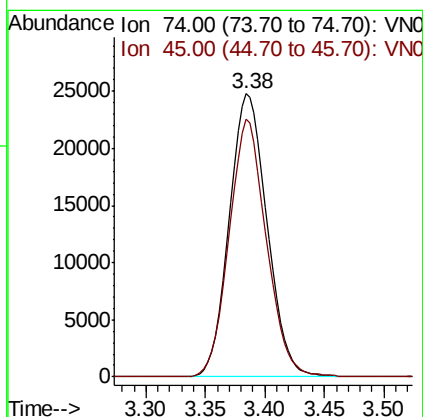
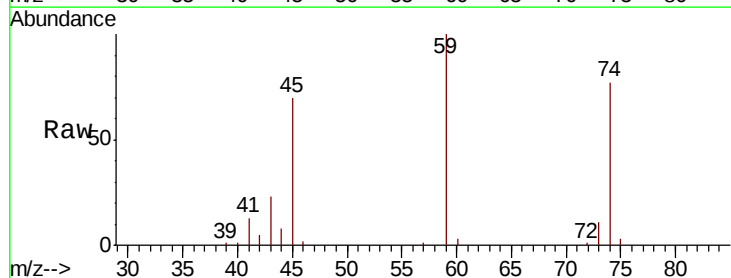
Tot Ion:101 Resp: 153858
Ion Ratio Lower Upper
101 100
103 63.8 51.0 76.6



#8

Diethyl Ether
Concen: 51.216 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN060159.D
Acq: 19 Feb 2020 17:25

Tgt Ion: 74 Resp: 54577
Ion Ratio Lower Upper
74 100
45 89.7 44.7 134.1

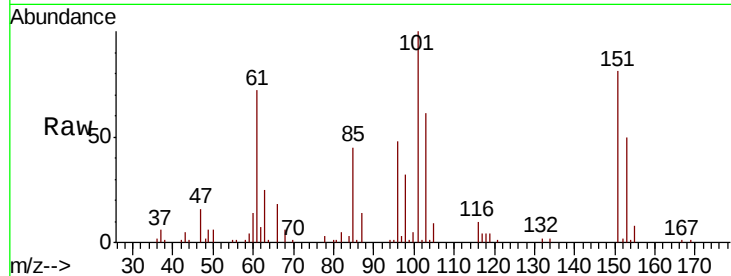




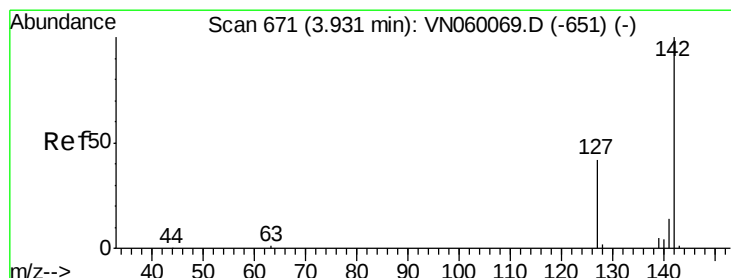
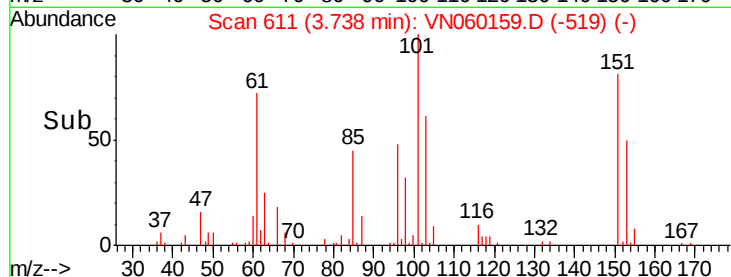
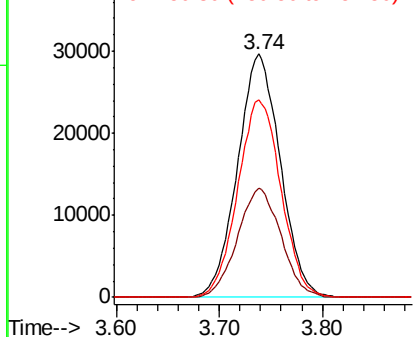
#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.126 ug/l
RT: 3.74 min Scan# 611
Delta R.T. -0.00 min
Lab File: VN060159.D
Acq: 19 Feb 2020 17:25

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:101 Resp: 85536
Ion Ratio Lower Upper
101 100
85 45.5 35.1 52.7
151 81.8 65.8 98.6

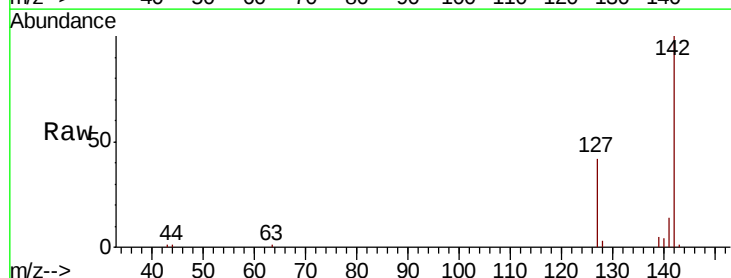


Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V

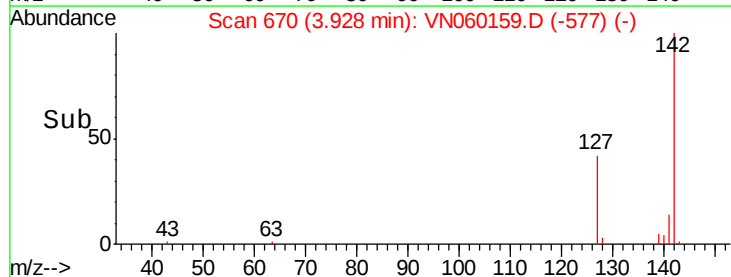
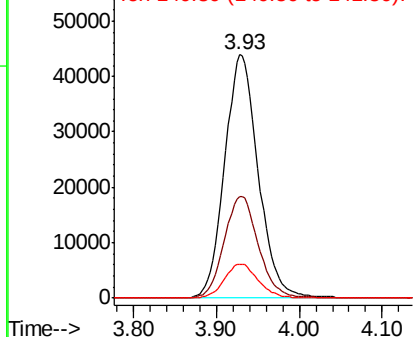


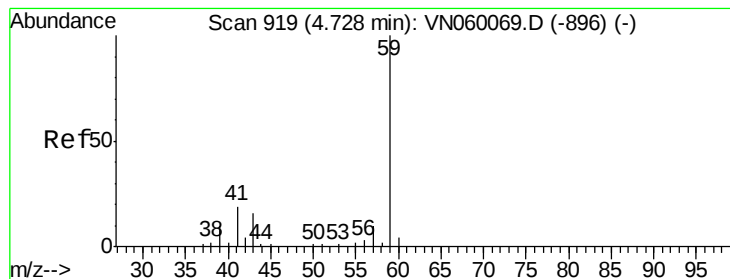
#10
Methyl Iodide
Concen: 51.741 ug/l
RT: 3.93 min Scan# 670
Delta R.T. -0.00 min
Lab File: VN060159.D
Acq: 19 Feb 2020 17:25

Tgt Ion:142 Resp: 123806
Ion Ratio Lower Upper
142 100
127 42.5 33.6 50.4
141 14.1 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



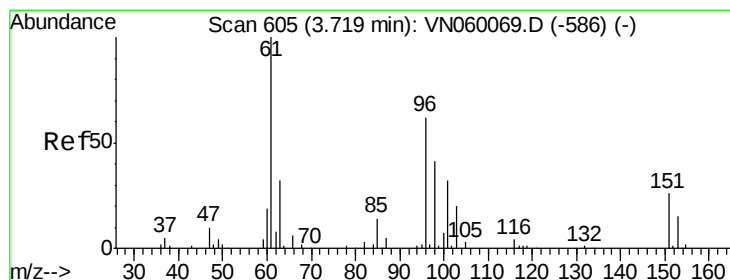
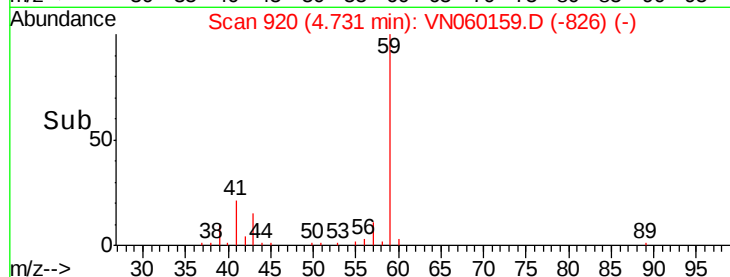
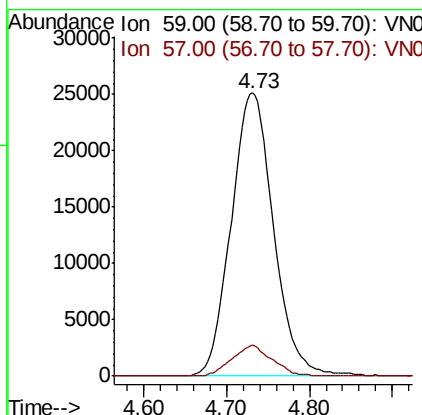
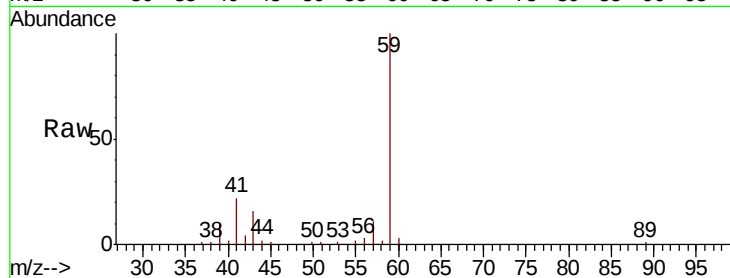


#11

Tert butyl alcohol
 Concen: 266.351 ug/l
 RT: 4.73 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VN060159.D
 Acq: 19 Feb 2020 17:25

Instrument :
 MSVOA_N
 ClientSampled :

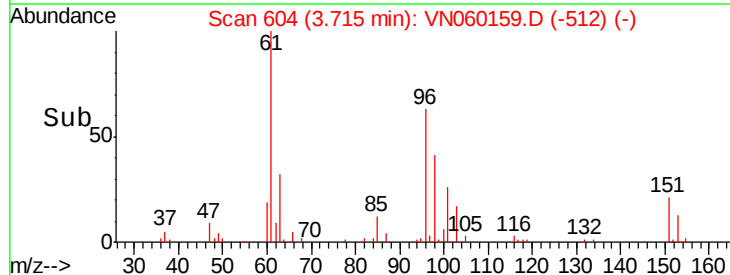
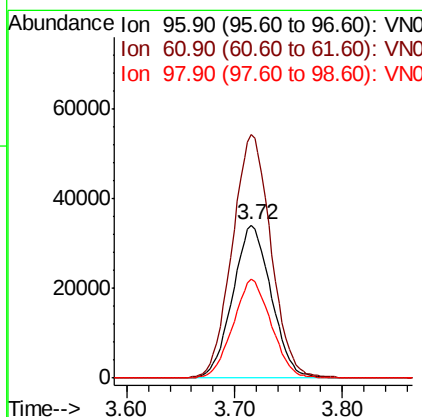
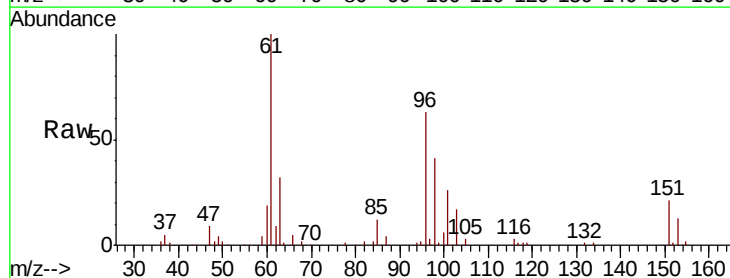
Tot Ion: 59 Resp: 88819
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.2 12.4

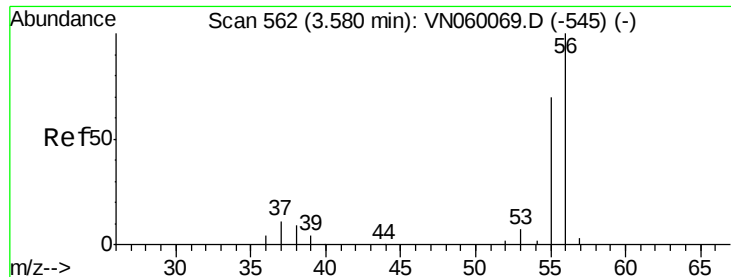


#12

1,1-Dichloroethene
 Concen: 48.961 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: VN060159.D
 Acq: 19 Feb 2020 17:25

Tgt Ion: 96 Resp: 84772
 Ion Ratio Lower Upper
 96 100
 61 158.3 128.3 192.5
 98 64.3 52.2 78.4





#13

Acrolein

Concen: 291.146 ug/l

RT: 3.58 min Scan# 561

Delta R.T. -0.00 min

Lab File: VN060159.D

Acq: 19 Feb 2020 17:25

Instrument :

MSVOA_N

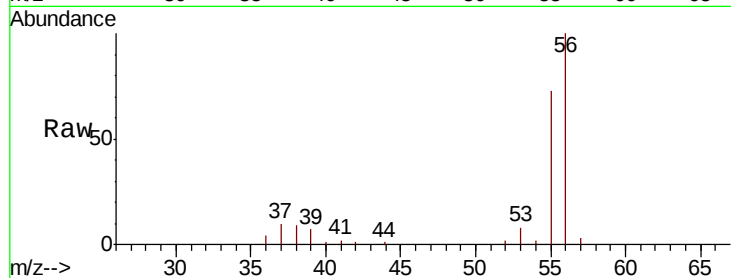
ClientSampleId :

Tot Ion: 56 Resp: 95965

Ion Ratio Lower Upper

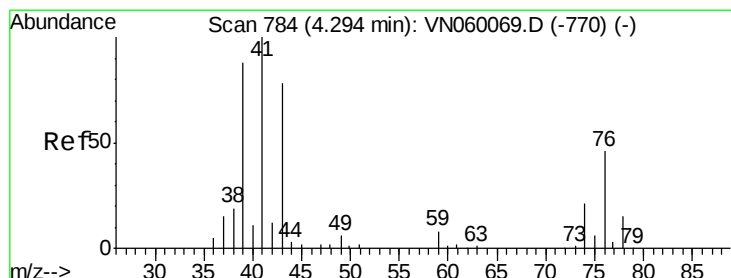
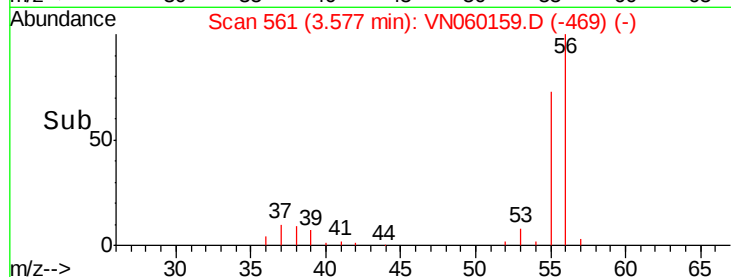
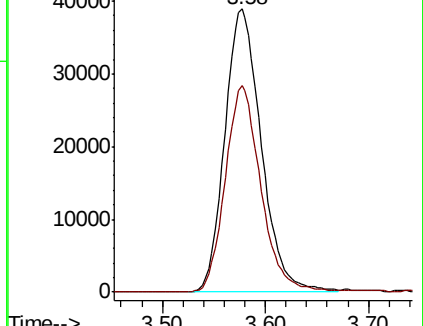
56 100

55 71.4 54.8 82.2



Abundance Ion 56.00 (55.70 to 56.70): VN060159.D (-545) (-)

Ion 55.00 (54.70 to 55.70): VN060159.D (-545) (-)



#14

Allyl chloride

Concen: 48.264 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN060159.D

Acq: 19 Feb 2020 17:25

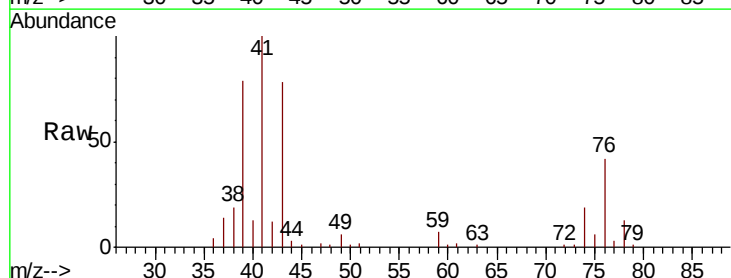
Tgt Ion: 41 Resp: 122996

Ion Ratio Lower Upper

41 100

39 83.0 67.8 101.8

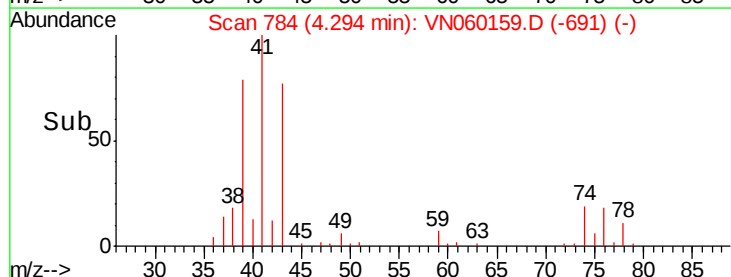
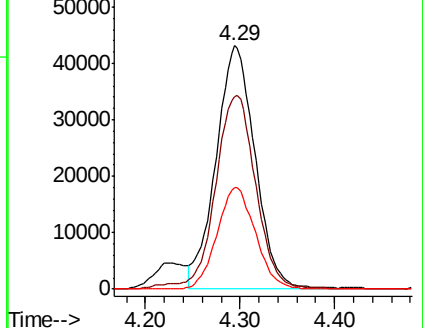
76 41.2 33.9 50.9

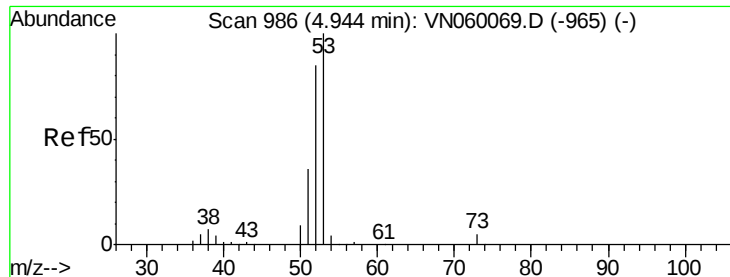


Abundance Ion 41.00 (40.70 to 41.70): VN060159.D (-691) (-)

Ion 39.00 (38.70 to 39.70): VN060159.D (-691) (-)

Ion 75.90 (75.60 to 76.60): VN060159.D (-691) (-)





#15

Acrylonitrile

Concen: 273.659 ug/l

RT: 4.94 min Scan# 986

Delta R.T. -0.00 min

Lab File: VN060159.D

Acq: 19 Feb 2020 17:25

Instrument :
MSVOA_N
ClientSampleId :

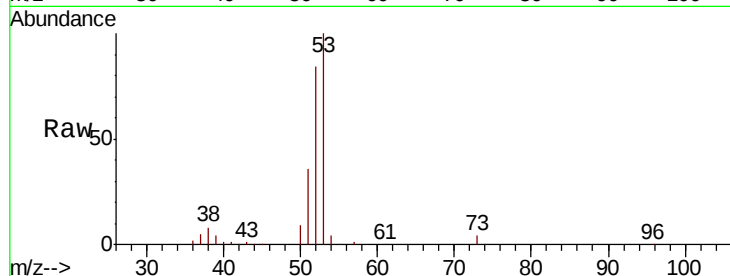
Tot Ion: 53 Resp: 222859

Ion Ratio Lower Upper

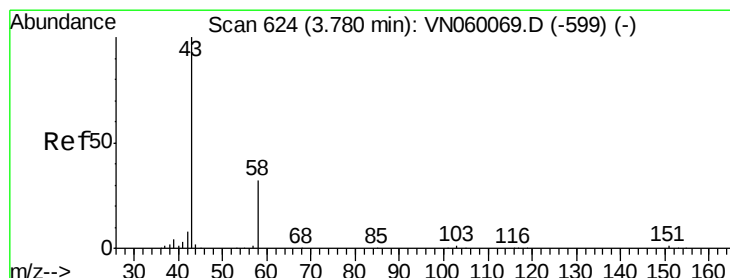
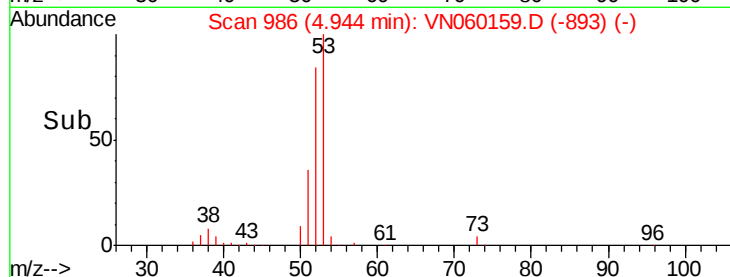
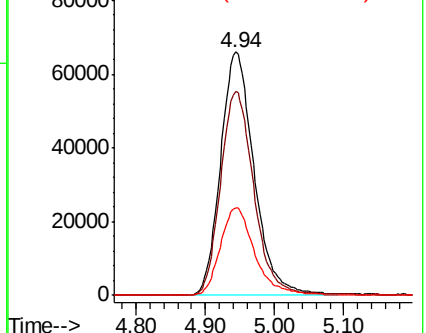
53 100

52 83.1 66.8 100.2

51 36.8 29.4 44.0



Abundance Ion 53.00 (52.70 to 53.70): VN0
Ion 52.00 (51.70 to 52.70): VN0
Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 203.756 ug/l

RT: 3.78 min Scan# 624

Delta R.T. -0.00 min

Lab File: VN060159.D

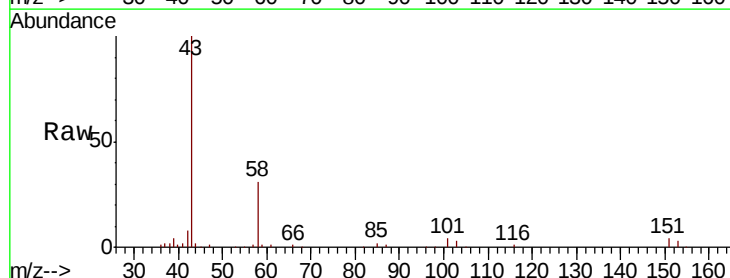
Acq: 19 Feb 2020 17:25

Tgt Ion: 43 Resp: 198052

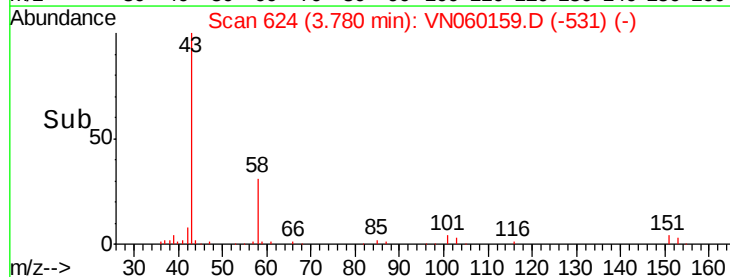
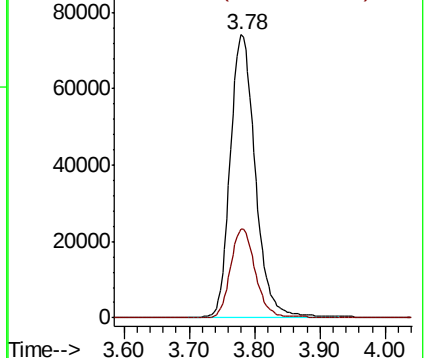
Ion Ratio Lower Upper

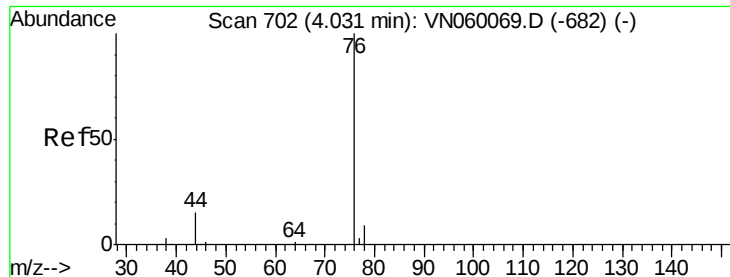
43 100

58 31.4 25.2 37.8



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

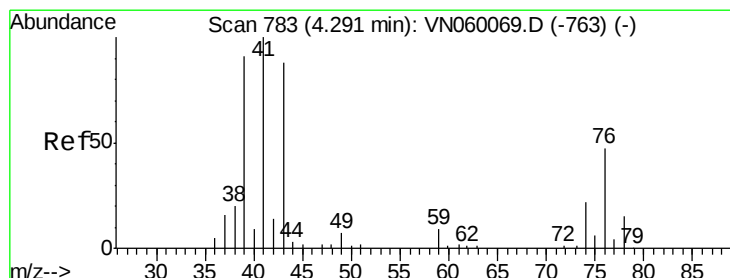
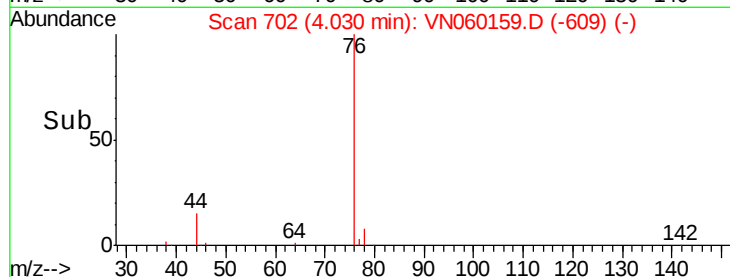
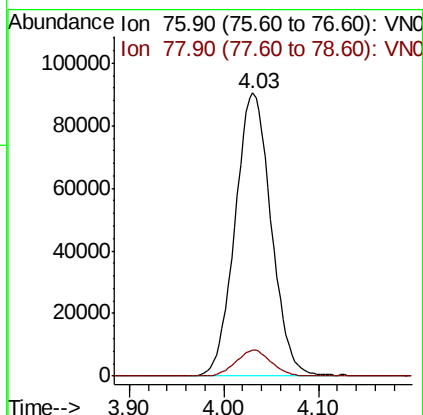
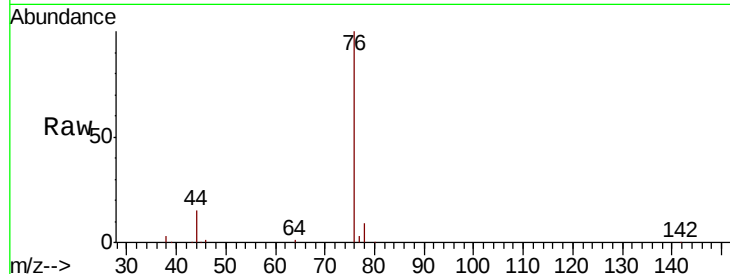




#17
Carbon Disulfide
Concen: 45.877 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN060159.D
Acq: 19 Feb 2020 17:25

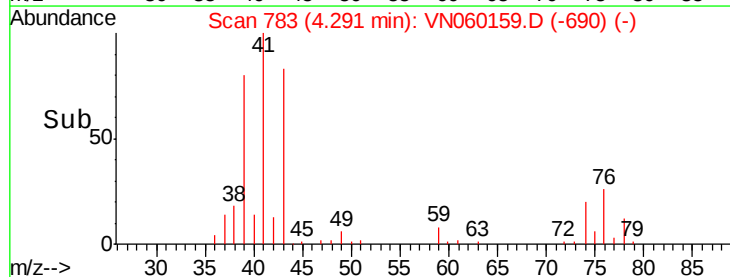
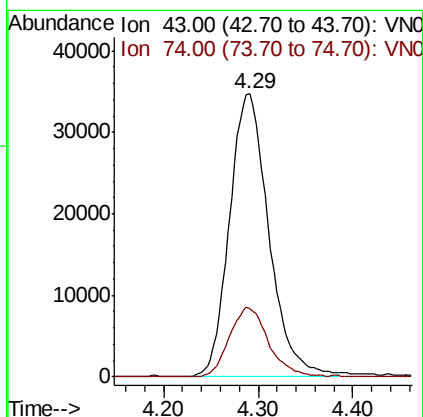
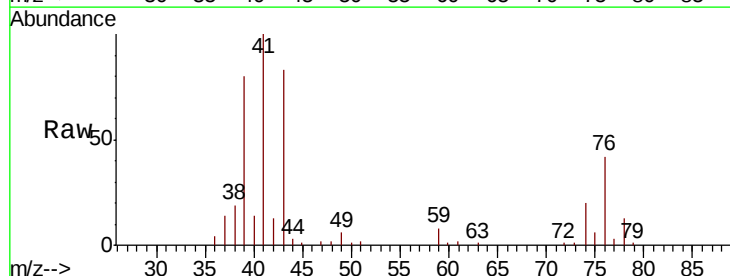
Instrument :
MSVOA_N
ClientSampled :

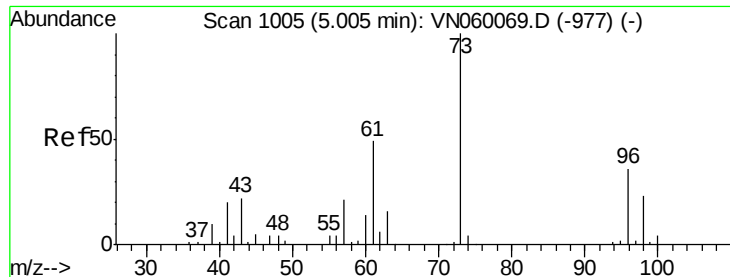
Tot Ion: 76 Resp: 239425
Ion Ratio Lower Upper
76 100
78 9.1 7.0 10.6



#18
Methyl Acetate
Concen: 55.039 ug/l
RT: 4.29 min Scan# 783
Delta R.T. -0.00 min
Lab File: VN060159.D
Acq: 19 Feb 2020 17:25

Tgt Ion: 43 Resp: 100496
Ion Ratio Lower Upper
43 100
74 24.4 20.3 30.5

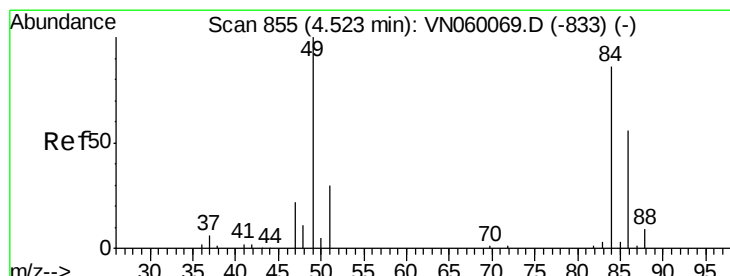
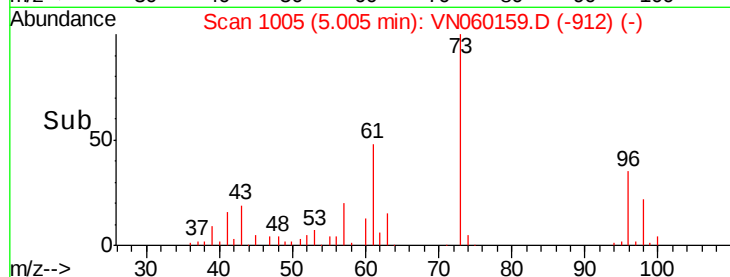
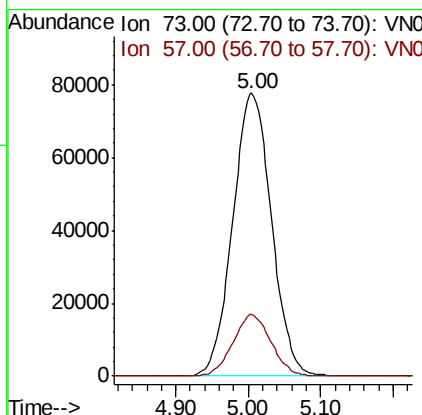
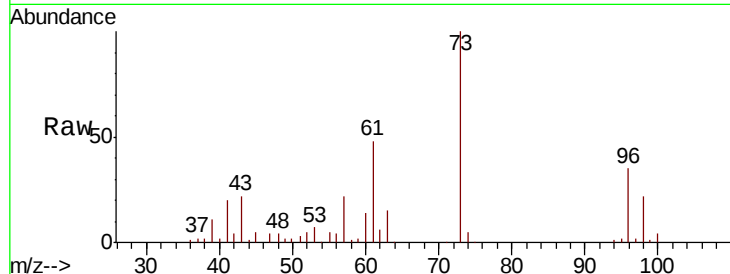




#19
Methyl tert-butyl Ether
Concen: 49.585 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.00 min
Lab File: VN060159.D
Acq: 19 Feb 2020 17:25

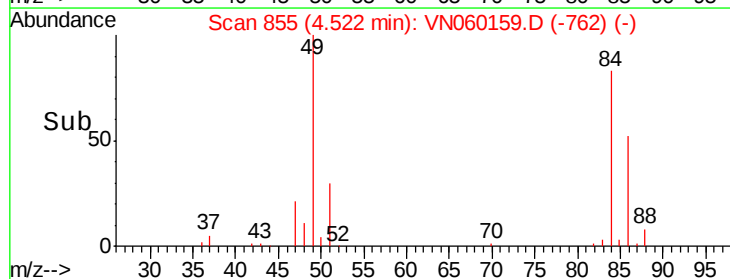
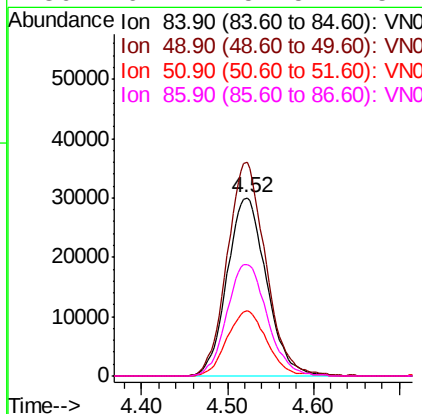
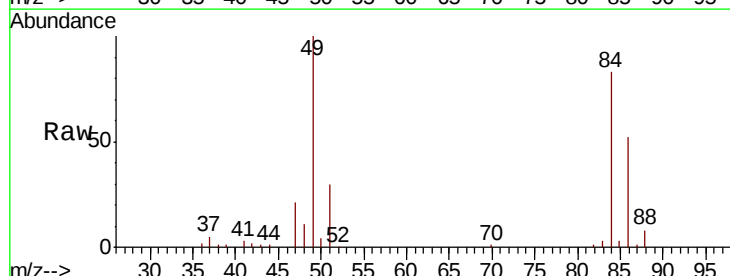
Instrument :
MSVOA_N
ClientSampled :

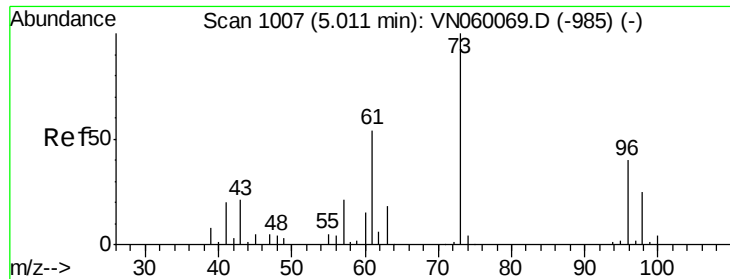
Tot Ion: 73 Resp: 288719
Ion Ratio Lower Upper
73 100
57 21.8 17.2 25.8



#20
Methylene Chloride
Concen: 49.219 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN060159.D
Acq: 19 Feb 2020 17:25

Tgt Ion: 84 Resp: 95447
Ion Ratio Lower Upper
84 100
49 119.8 93.4 140.0
51 36.3 28.4 42.6
86 62.4 52.5 78.7

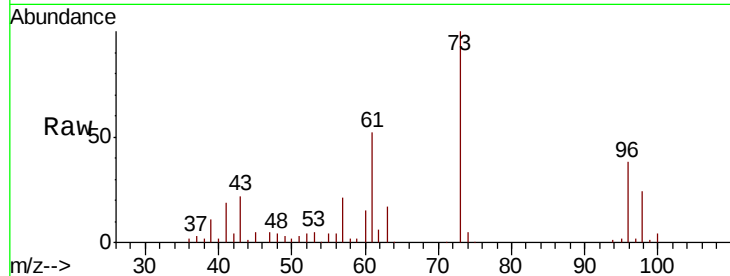




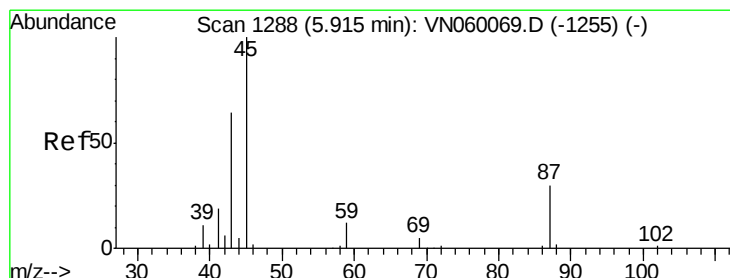
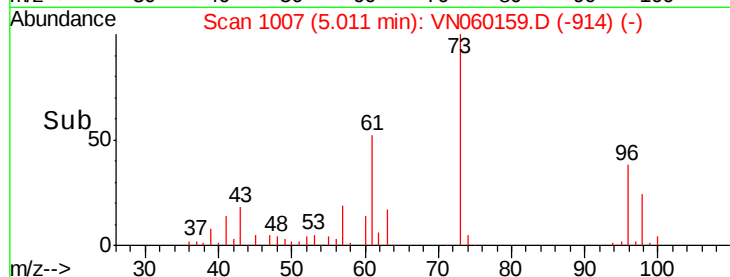
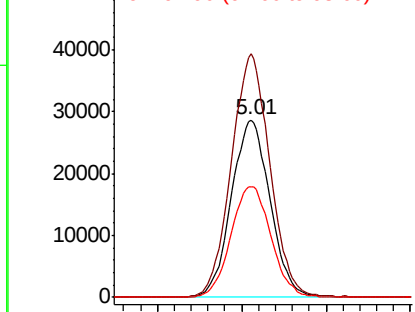
#21
trans-1,2-Dichloroethene
Concen: 48.471 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN060159.D
Acq: 19 Feb 2020 17:25

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 96 Resp: 91483
Ion Ratio Lower Upper
96 100
61 137.2 109.3 163.9
98 62.6 51.0 76.6

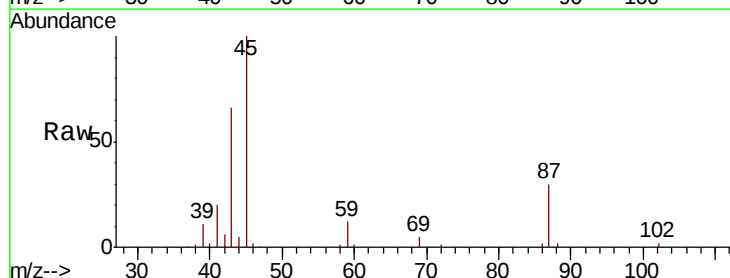


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

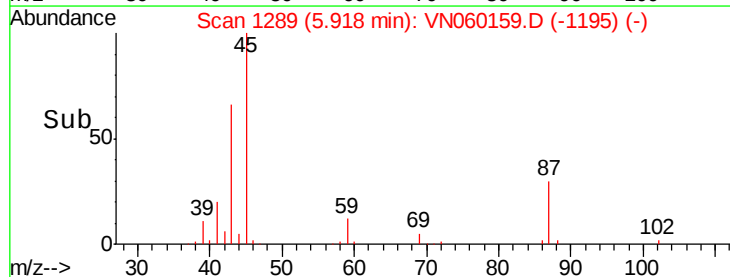
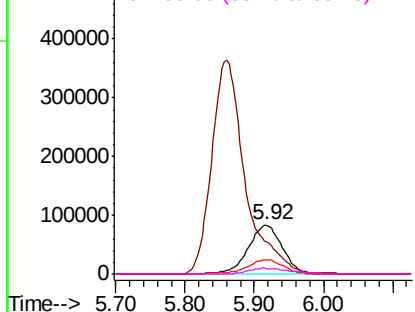


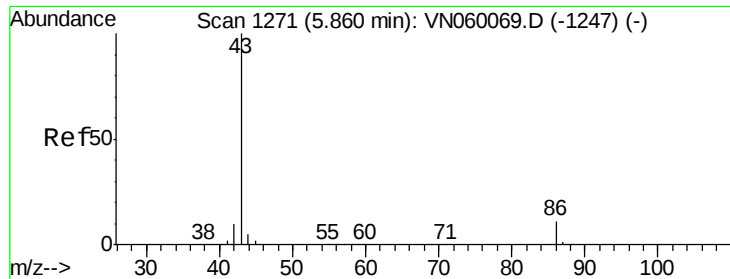
#22
Diisopropyl ether
Concen: 50.876 ug/l
RT: 5.92 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VN060159.D
Acq: 19 Feb 2020 17:25

Tgt Ion: 45 Resp: 284145
Ion Ratio Lower Upper
45 100
43 64.3 55.9 83.9
87 30.0 24.5 36.7
59 11.6 9.9 14.9



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0

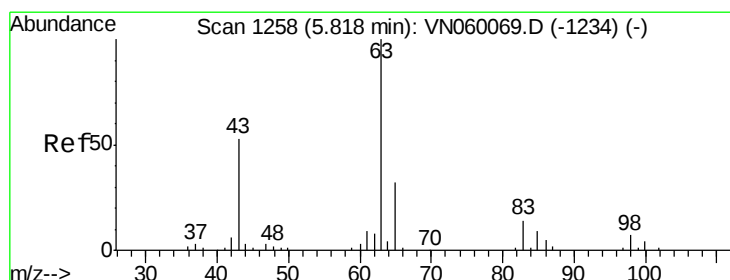
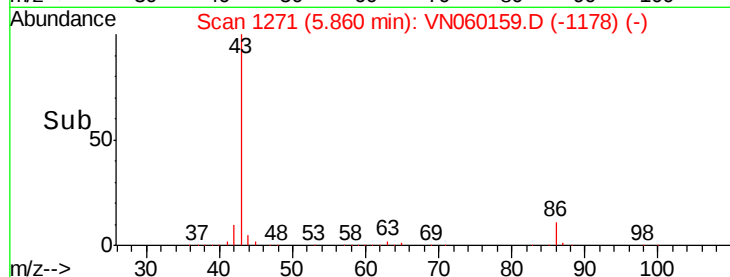
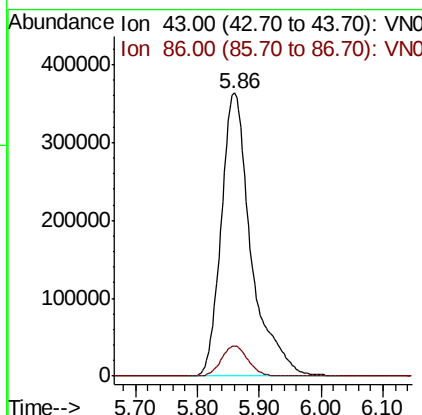
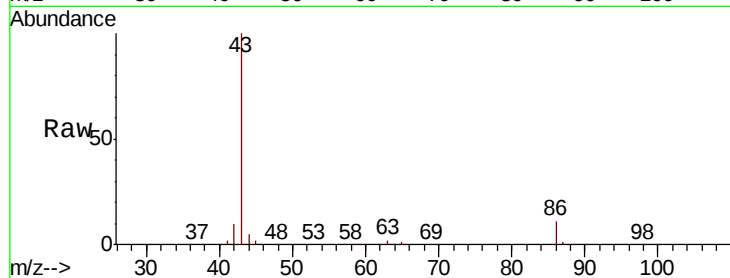




#23
 Vinyl Acetate
 Concen: 260.740 ug/l
 RT: 5.86 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VN060159.D
 Acq: 19 Feb 2020 17:25

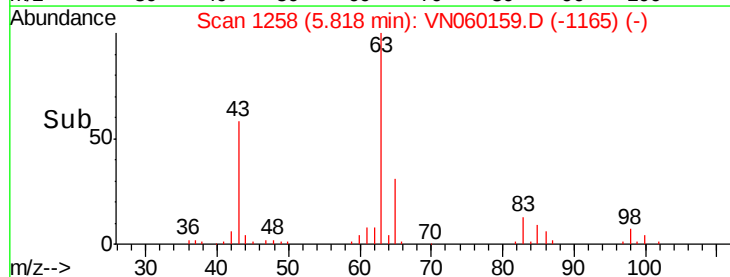
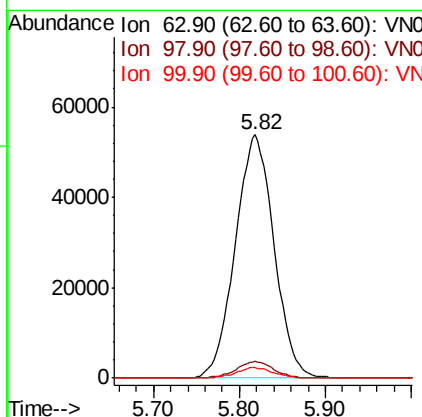
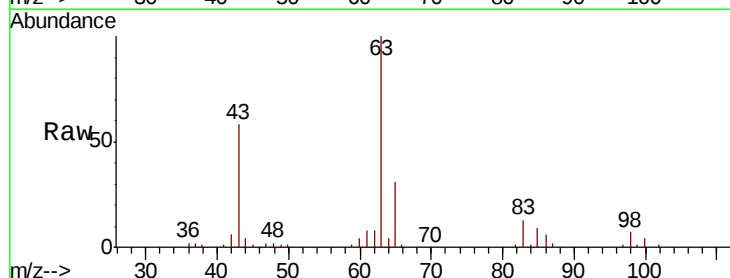
Instrument :
 MSVOA_N
 ClientSampled :

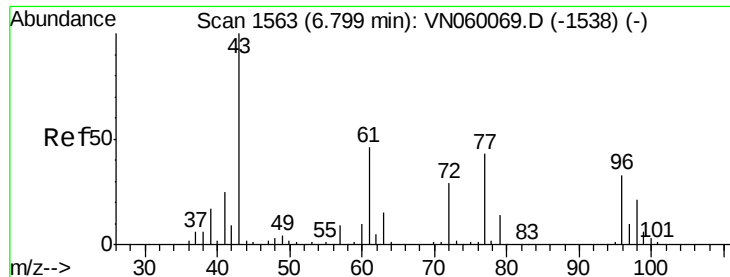
Tot Ion: 43 Resp: 1222907
 Ion Ratio Lower Upper
 43 100
 86 10.8 8.9 13.3



#24
 1,1-Dichloroethane
 Concen: 49.809 ug/l
 RT: 5.82 min Scan# 1258
 Delta R.T. -0.00 min
 Lab File: VN060159.D
 Acq: 19 Feb 2020 17:25

Tgt Ion: 63 Resp: 168520
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.5 10.5
 100 4.2 2.2 6.6

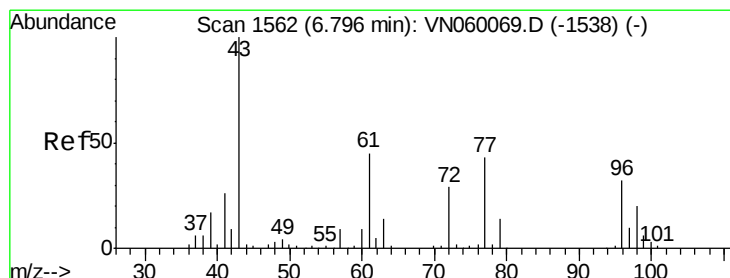
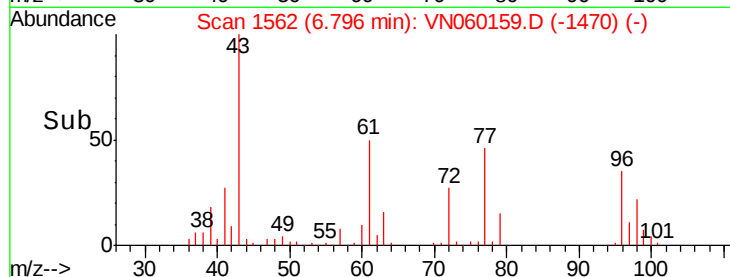
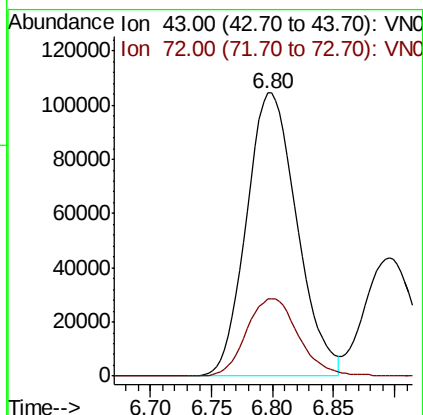
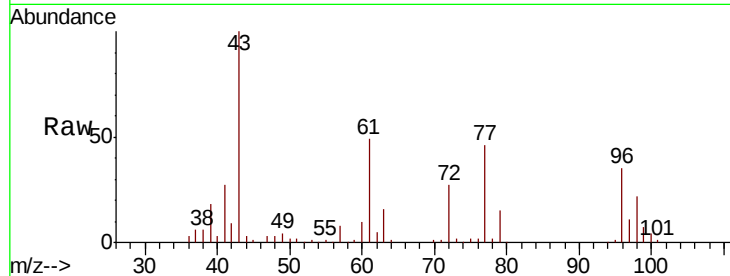




#25
2-Butanone
Concen: 245.722 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. -0.00 min
Lab File: VN060159.D
Acq: 19 Feb 2020 17:25

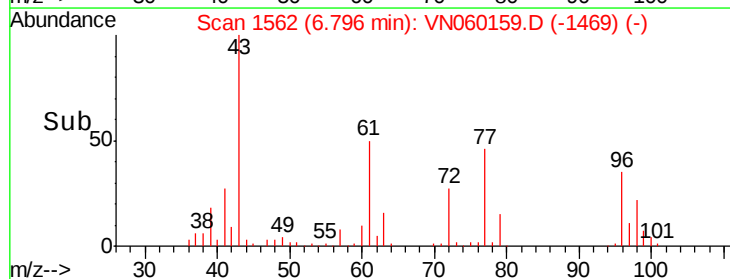
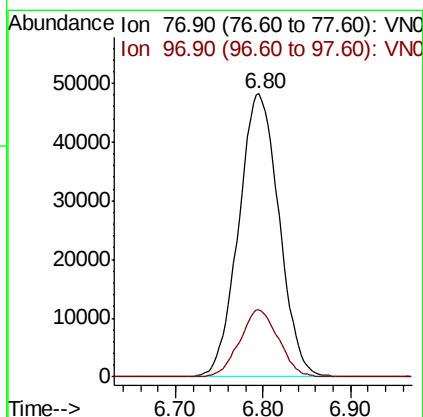
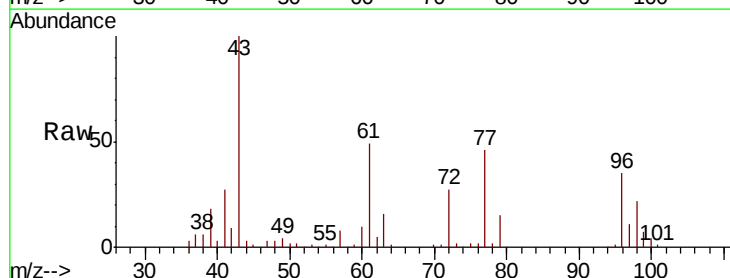
Instrument :
MSVOA_N
ClientSampled :

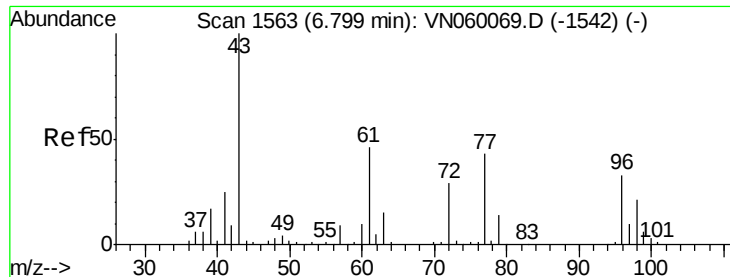
Tot Ion: 43 Resp: 300388
Ion Ratio Lower Upper
43 100
72 27.2 23.3 34.9



#26
2,2-Dichloropropane
Concen: 48.071 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. -0.00 min
Lab File: VN060159.D
Acq: 19 Feb 2020 17:25

Tgt Ion: 77 Resp: 154478
Ion Ratio Lower Upper
77 100
97 22.8 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 48.886 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN060159.D

Acq: 19 Feb 2020 17:25

Instrument :
MSVOA_N
ClientSampled :

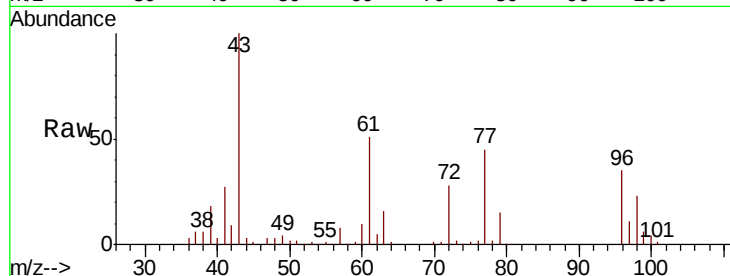
Tot Ion: 96 Resp: 107980

Ion Ratio Lower Upper

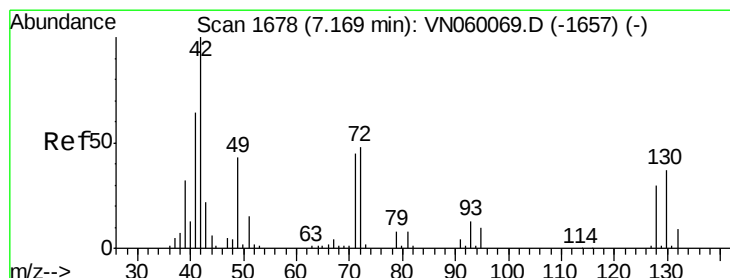
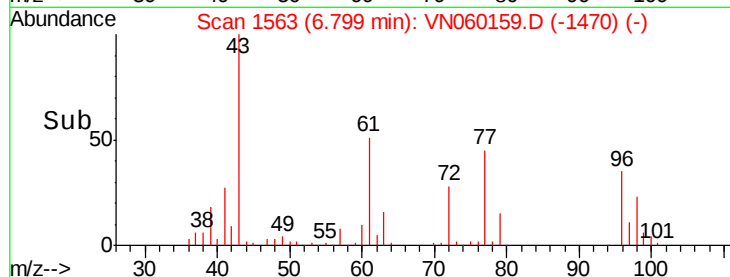
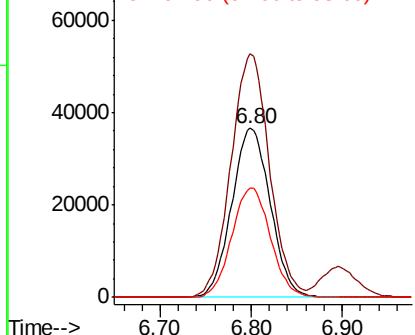
96 100

61 143.4 0.0 285.8

98 64.7 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: 49.308 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. -0.00 min

Lab File: VN060159.D

Acq: 19 Feb 2020 17:25

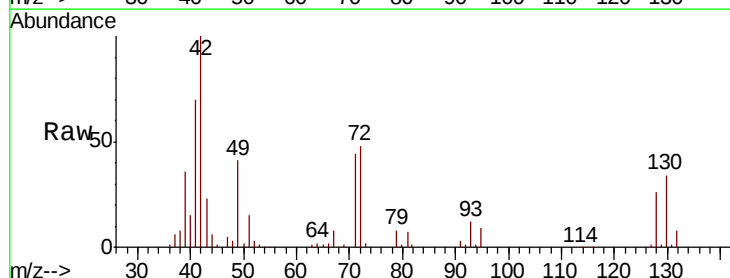
Tgt Ion: 49 Resp: 65586

Ion Ratio Lower Upper

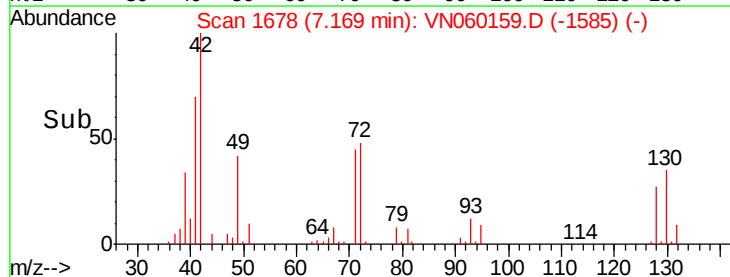
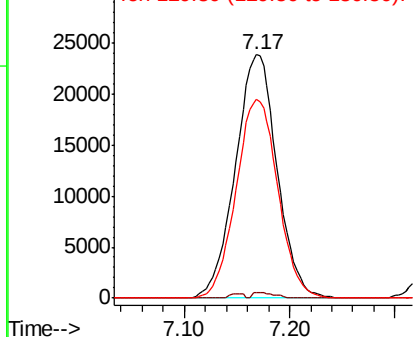
49 100

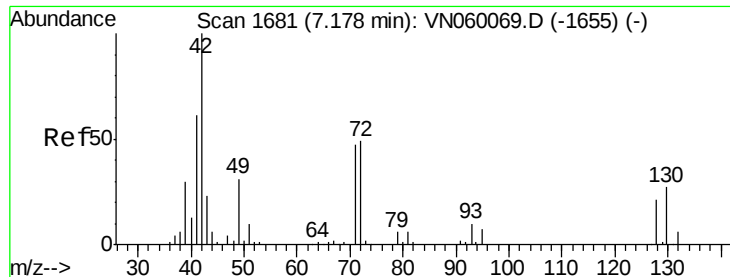
129 1.2 0.0 2.2

130 81.7 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

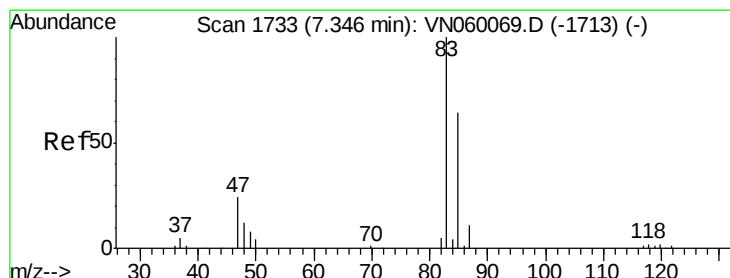
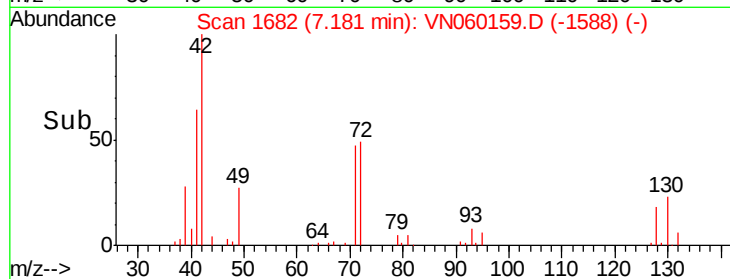
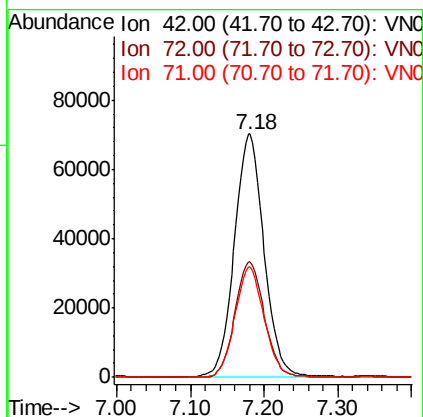
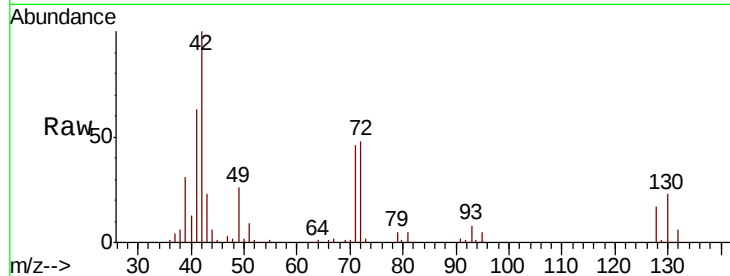




#29
Tetrahydrofuran
Concen: 263.108 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN060159.D
Acq: 19 Feb 2020 17:25

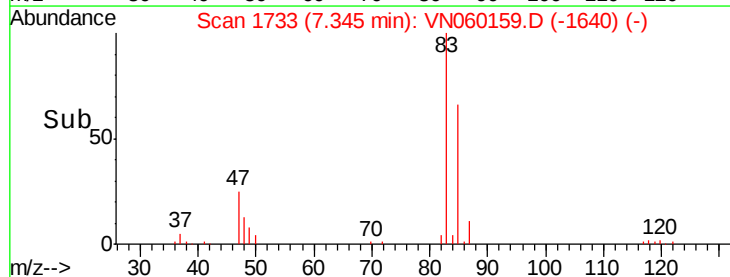
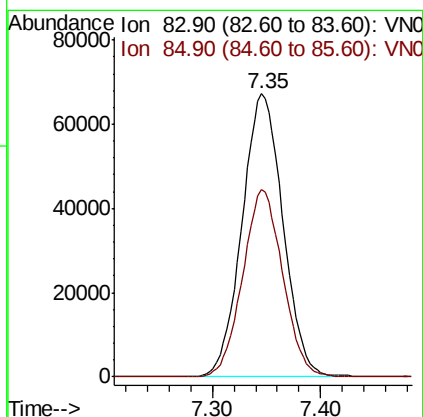
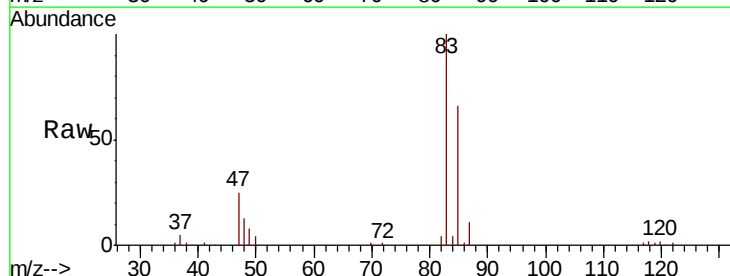
Instrument :
MSVOA_N
ClientSampled :

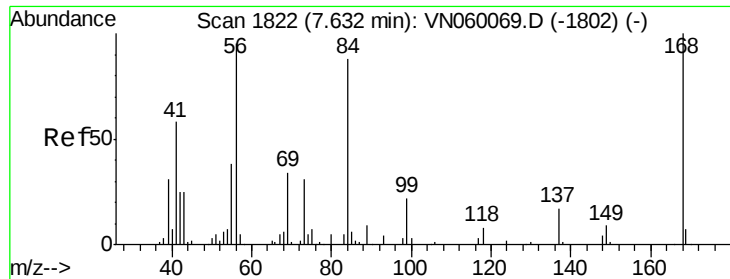
Tot Ion: 42 Resp: 197321
Ion Ratio Lower Upper
42 100
72 47.2 38.2 57.4
71 44.7 36.6 54.8



#30
Chloroform
Concen: 49.930 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN060159.D
Acq: 19 Feb 2020 17:25

Tgt Ion: 83 Resp: 176960
Ion Ratio Lower Upper
83 100
85 66.1 51.4 77.0

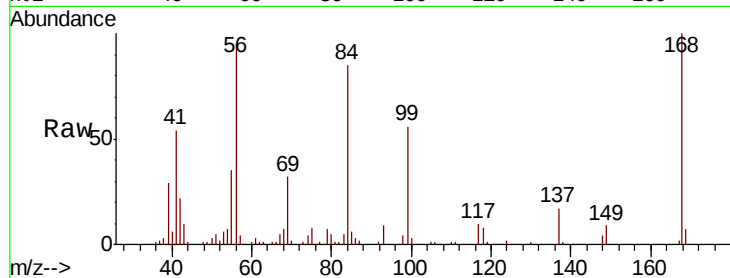




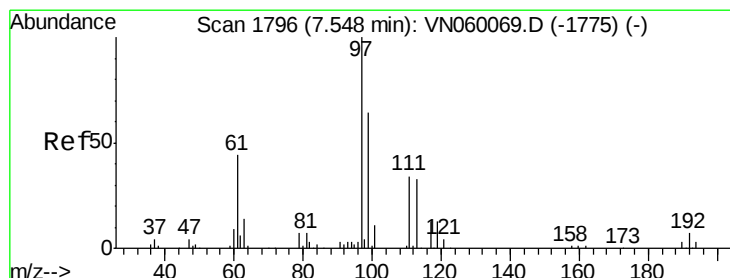
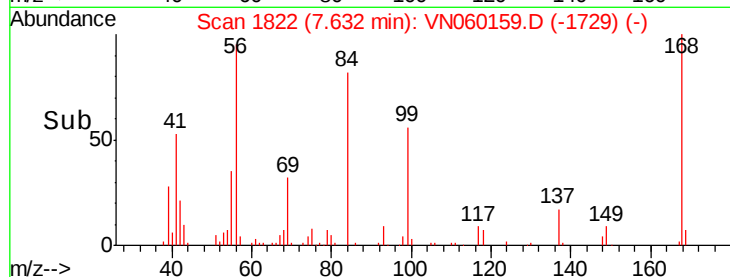
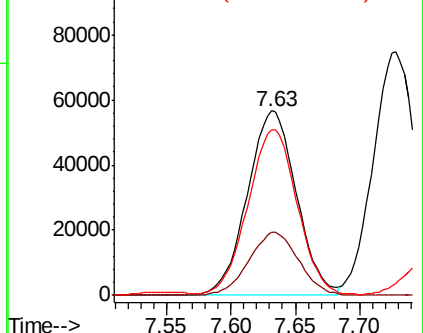
#31
Cyclohexane
Concen: 47.567 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN060159.D
Acq: 19 Feb 2020 17:25

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 149917
Ion Ratio Lower Upper
56 100
69 33.9 28.3 42.5
84 88.7 72.6 108.8

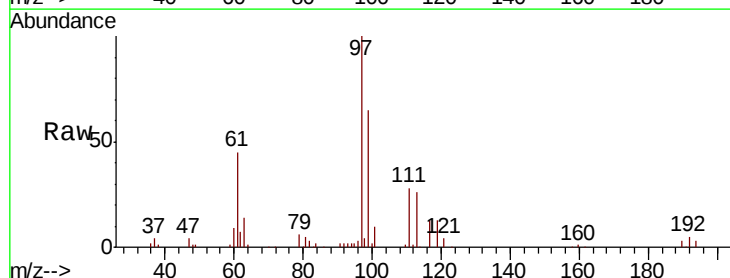


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

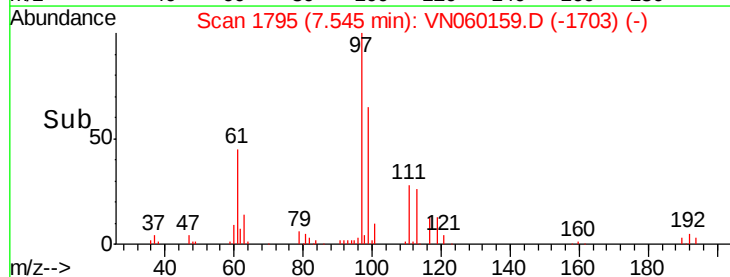
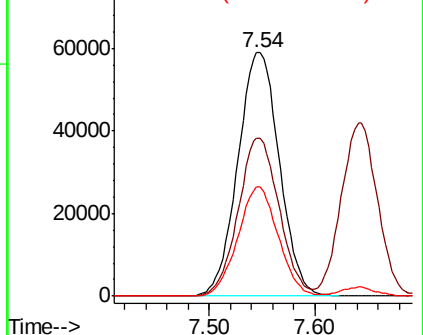


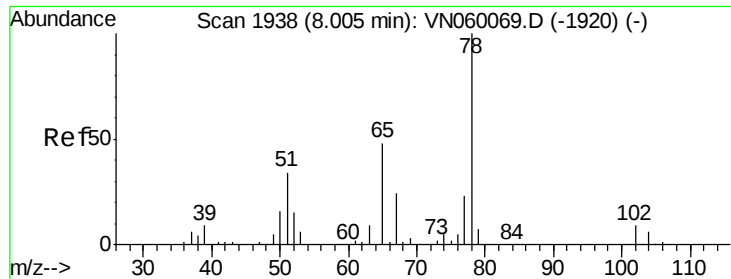
#32
1,1,1-Trichloroethane
Concen: 49.803 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN060159.D
Acq: 19 Feb 2020 17:25

Tgt Ion: 97 Resp: 161300
Ion Ratio Lower Upper
97 100
99 64.2 51.4 77.0
61 43.7 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: 49.838 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN060159.D

Acq: 19 Feb 2020 17:25

Instrument :

MSVOA_N

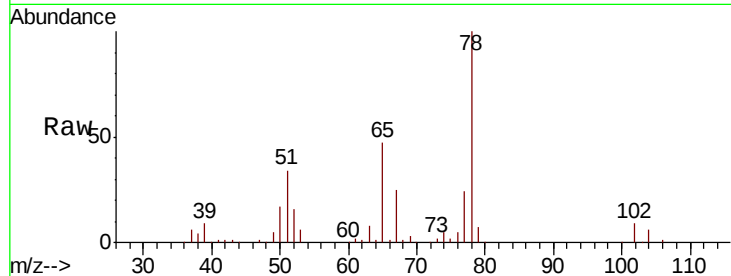
ClientSampled :

Tot Ion: 65 Resp: 111058

Ion Ratio Lower Upper

65 100

67 53.0 0.0 104.0



Abundance Ion 64.90 (64.60 to 65.60): VN060159.D (-1920) (-)

Ion 66.90 (66.60 to 67.60): VN060159.D (-1920) (-)

8.00

50000

40000

30000

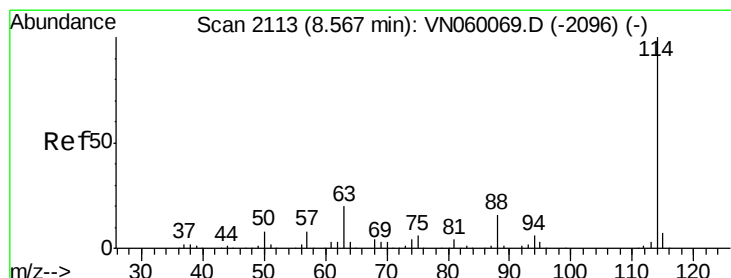
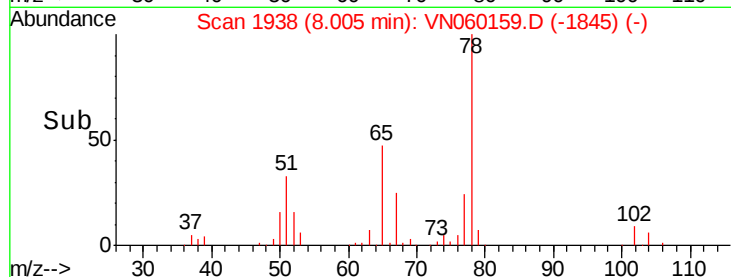
20000

10000

0

7.90 7.95 8.00 8.05 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN060159.D

Acq: 19 Feb 2020 17:25

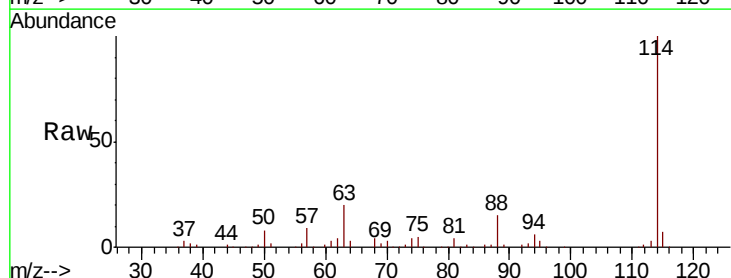
Tgt Ion: 114 Resp: 297295

Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.0

88 14.9 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): VN060159.D (-2096) (-)

Ion 63.00 (62.70 to 63.70): VN060159.D (-2096) (-)

Ion 87.90 (87.60 to 88.60): VN060159.D (-2096) (-)

8.57

150000

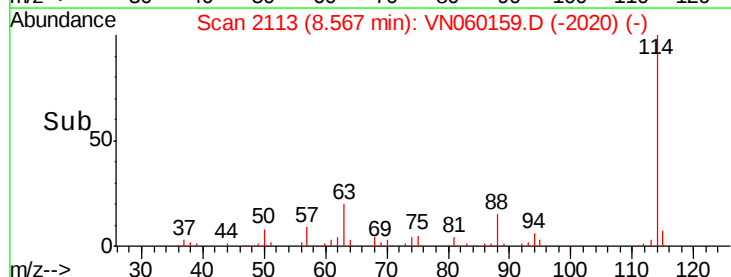
100000

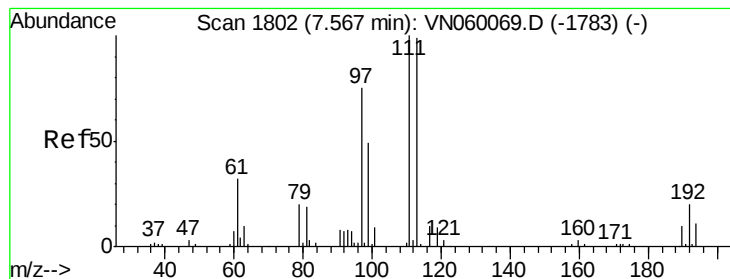
50000

0

8.50 8.55 8.60

Time-->





#35

Dibromofluoromethane

Concen: 48.601 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN060159.D

Acq: 19 Feb 2020 17:25

Instrument :
MSVOA_N
ClientSampled :

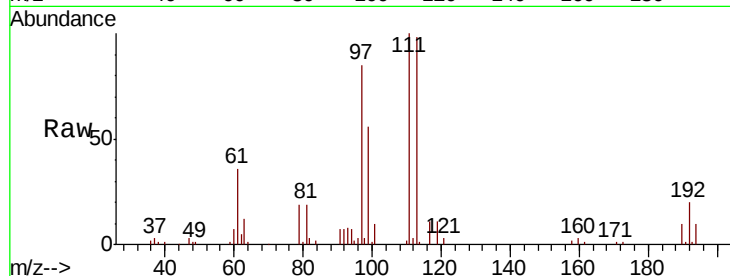
Tot Ion:113 Resp: 88817

Ion Ratio Lower Upper

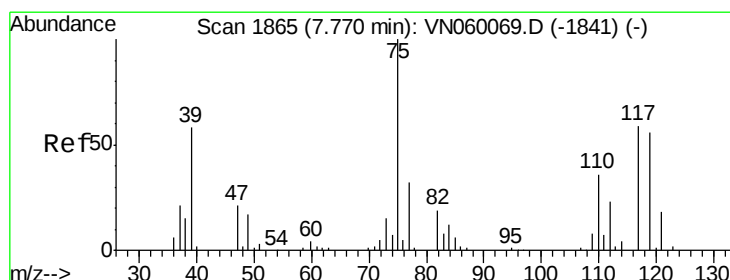
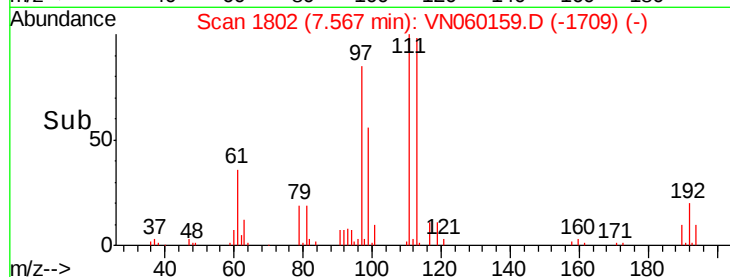
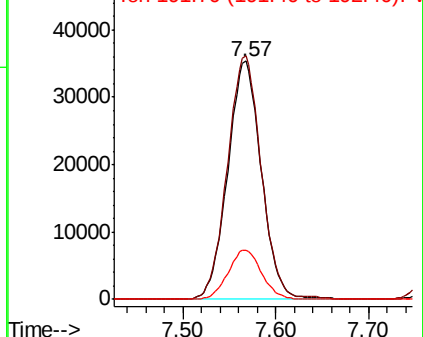
113 100

111 102.3 81.4 122.2

192 20.4 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: 47.468 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. -0.00 min

Lab File: VN060159.D

Acq: 19 Feb 2020 17:25

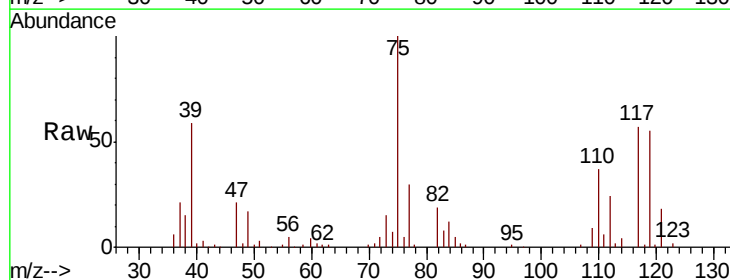
Tgt Ion: 75 Resp: 130712

Ion Ratio Lower Upper

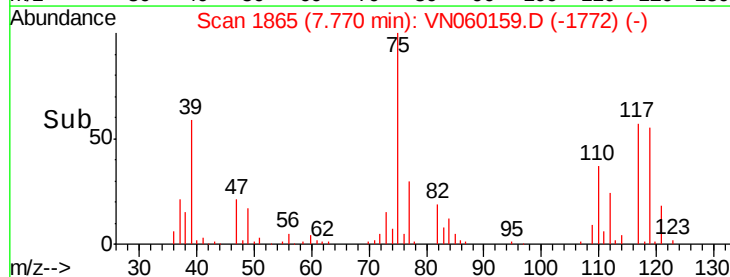
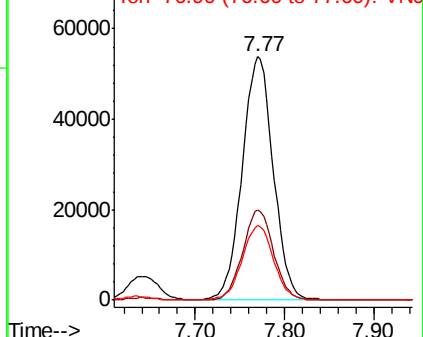
75 100

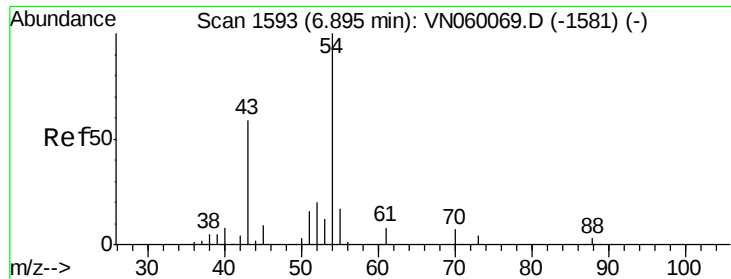
110 36.5 18.1 54.3

77 30.9 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

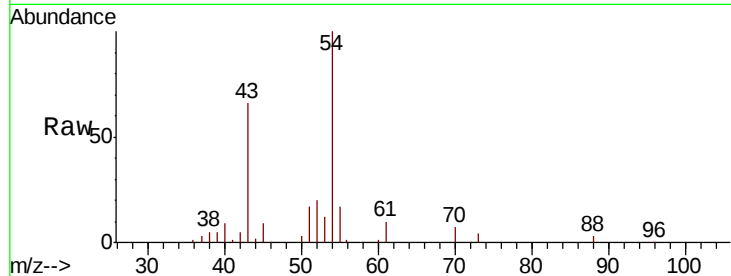




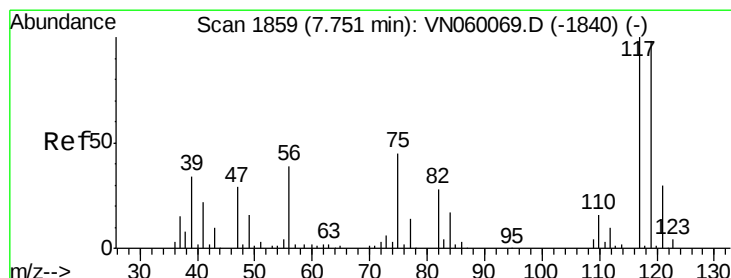
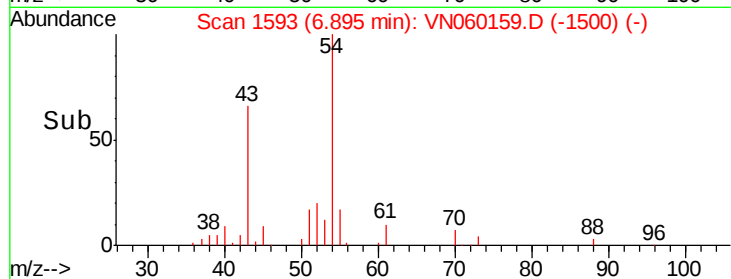
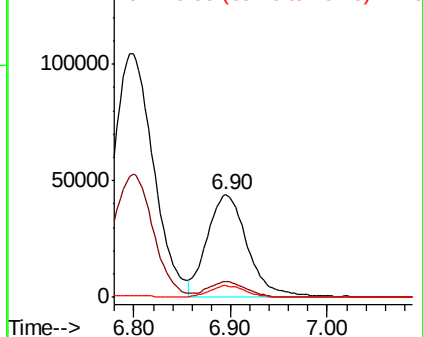
#37
Ethyl Acetate
Concen: 50.695 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. -0.00 min
Lab File: VN060159.D
Acq: 19 Feb 2020 17:25

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 126164
Ion Ratio Lower Upper
43 100
61 14.8 11.4 17.2
70 10.3 8.7 13.1

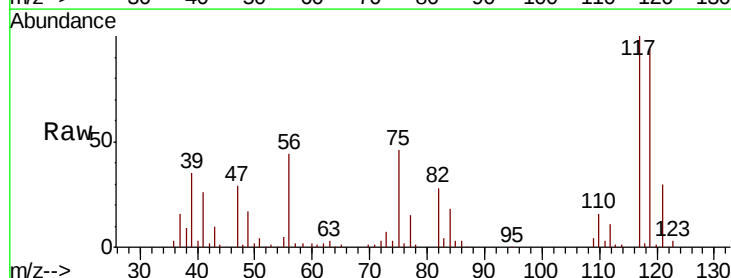


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

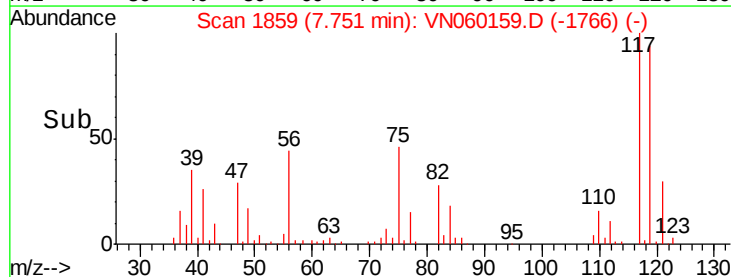
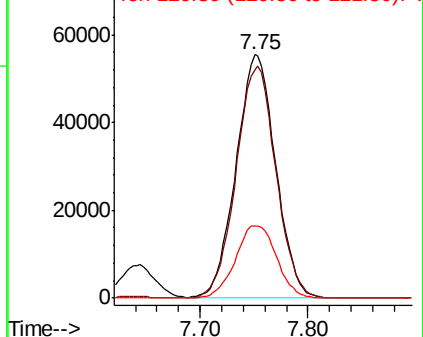


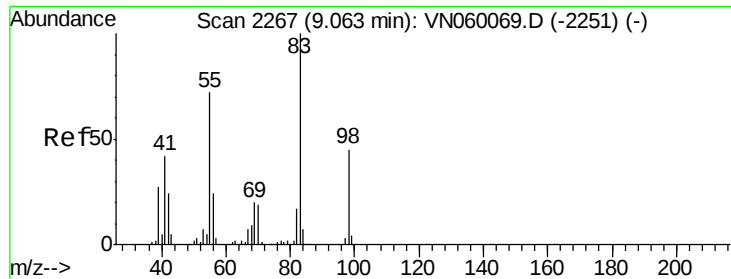
#38
Carbon Tetrachloride
Concen: 47.267 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN060159.D
Acq: 19 Feb 2020 17:25

Tgt Ion: 117 Resp: 141356
Ion Ratio Lower Upper
117 100
119 93.9 78.2 117.4
121 29.9 24.2 36.2



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

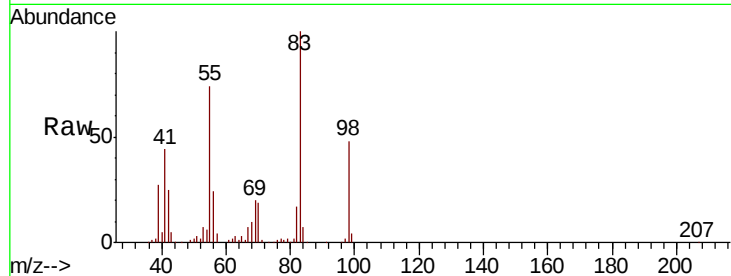




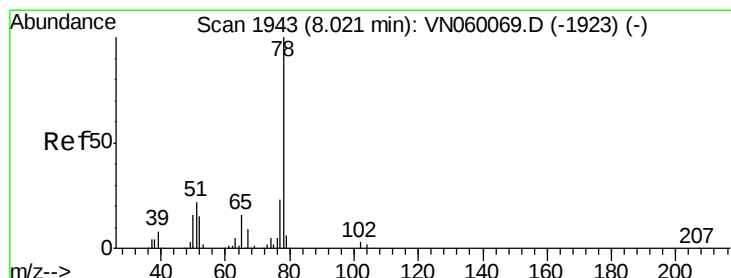
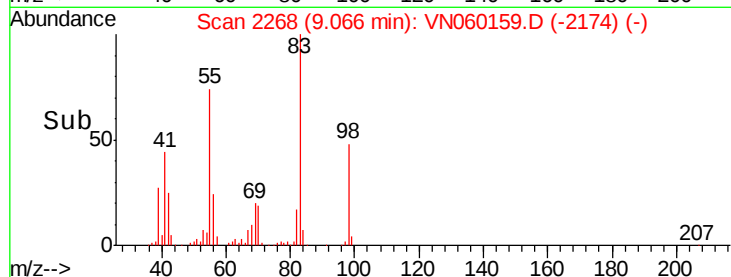
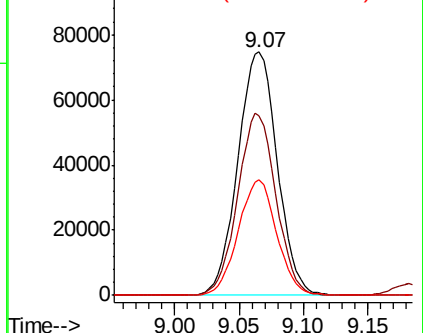
#39
Methvlcvclohexane
Concen: 46.551 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN060159.D
Acq: 19 Feb 2020 17:25

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 159122
Ion Ratio Lower Upper
83 100
55 73.8 57.8 86.8
98 47.6 36.4 54.6

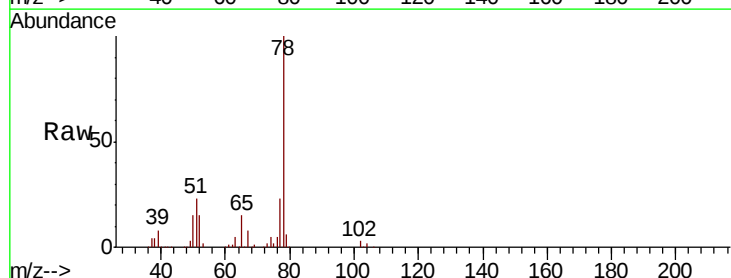


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

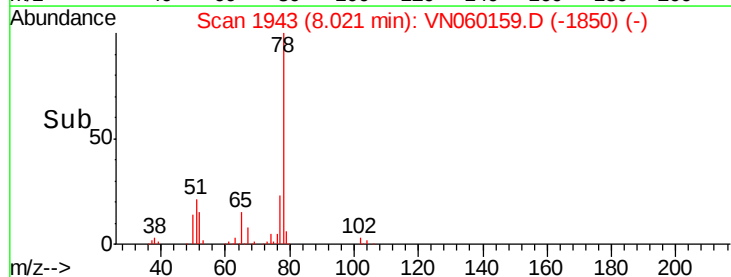
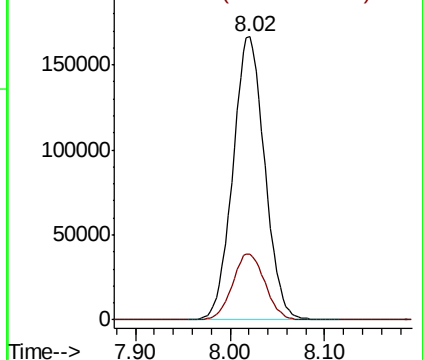


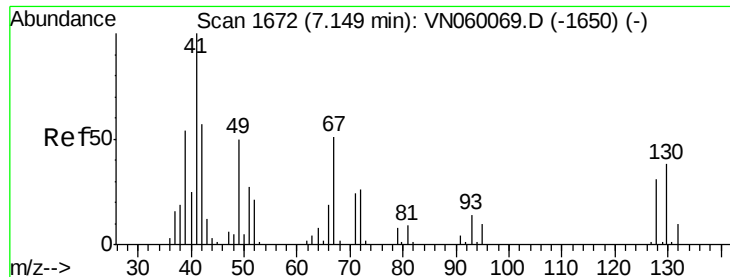
#40
Benzene
Concen: 47.607 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN060159.D
Acq: 19 Feb 2020 17:25

Tgt Ion: 78 Resp: 388871
Ion Ratio Lower Upper
78 100
77 23.2 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

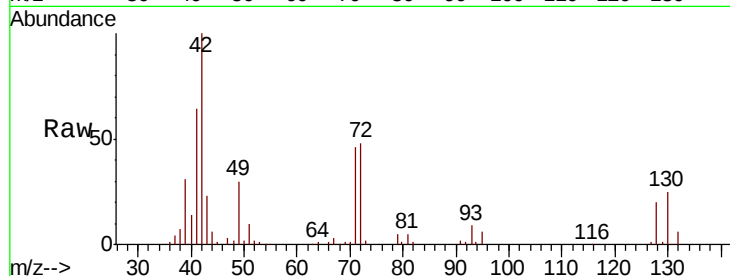




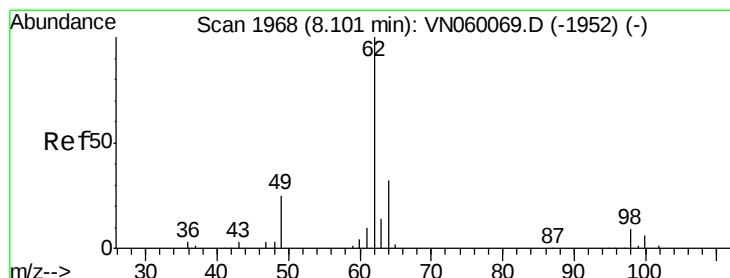
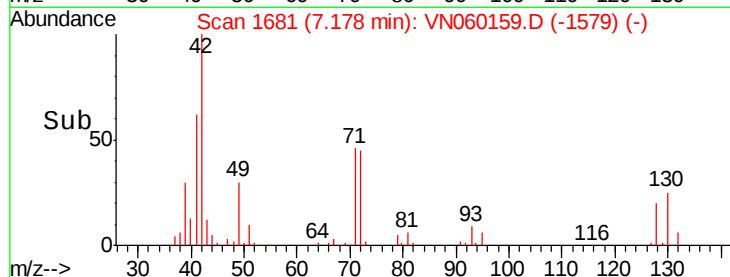
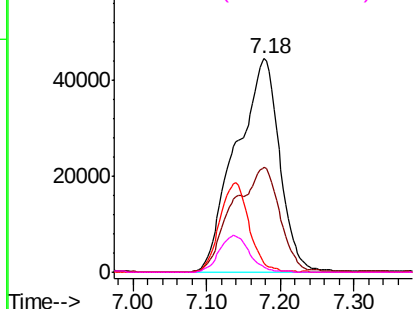
#41
Methacrylonitrile
Concen: 175.761 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.03 min
Lab File: VN060159.D
Acq: 19 Feb 2020 17:25

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 41 Resp: 183439
Ion Ratio Lower Upper
41 100
39 52.8 0.0 0.0#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

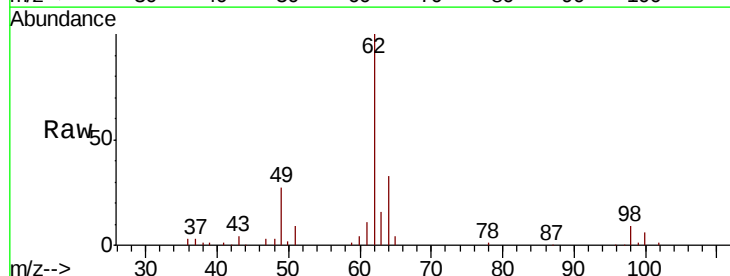


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

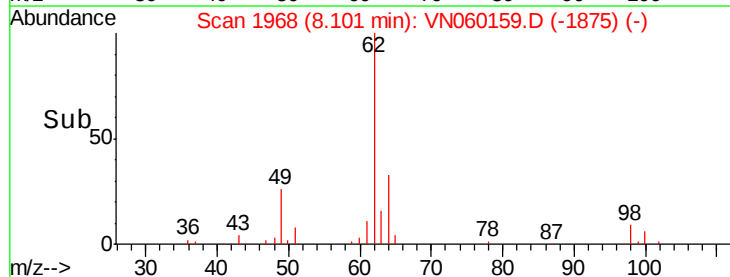
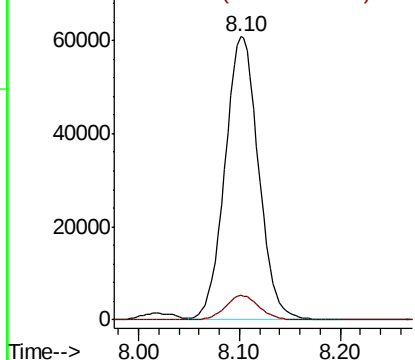


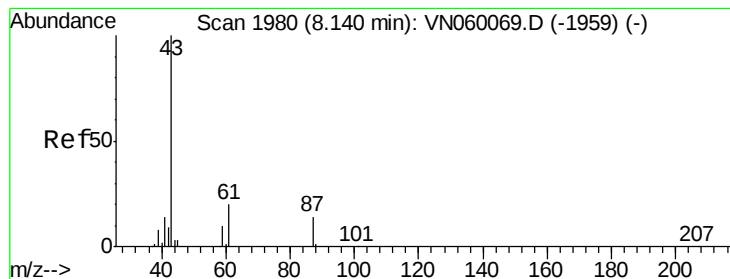
#42
1,2-Dichloroethane
Concen: 49.285 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN060159.D
Acq: 19 Feb 2020 17:25

Tgt Ion: 62 Resp: 141097
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: 51.187 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN060159.D

Acq: 19 Feb 2020 17:25

Instrument :

MSVOA_N

ClientSampleId :

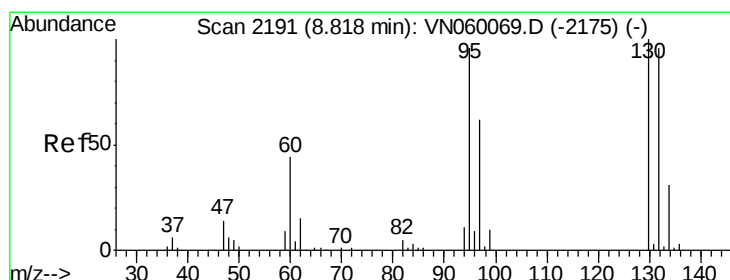
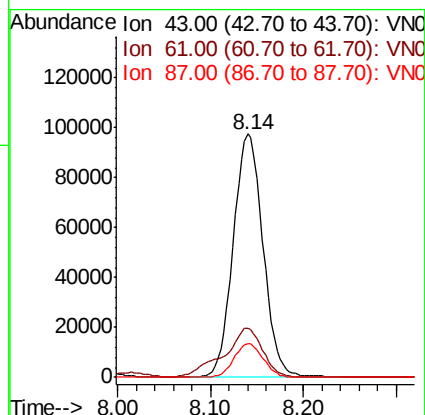
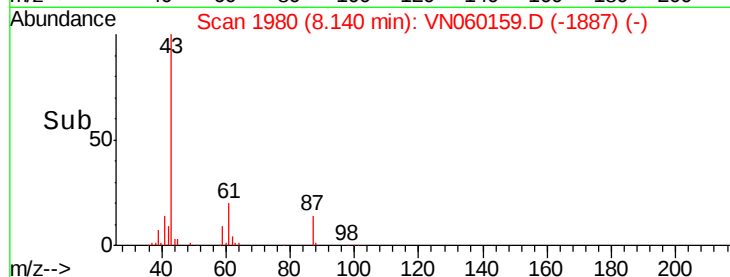
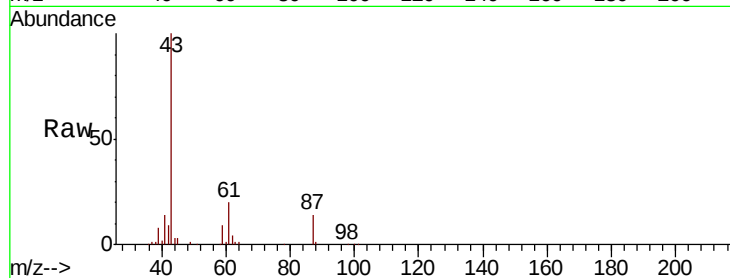
Tot Ion: 43 Resp: 217762

Ion Ratio Lower Upper

43 100

61 26.5 21.8 32.6

87 13.5 11.4 17.2



#44

Trichloroethene

Concen: 46.100 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. -0.00 min

Lab File: VN060159.D

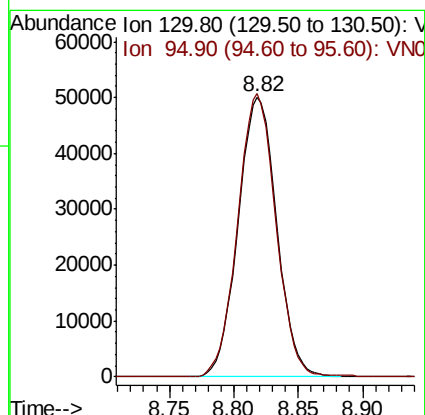
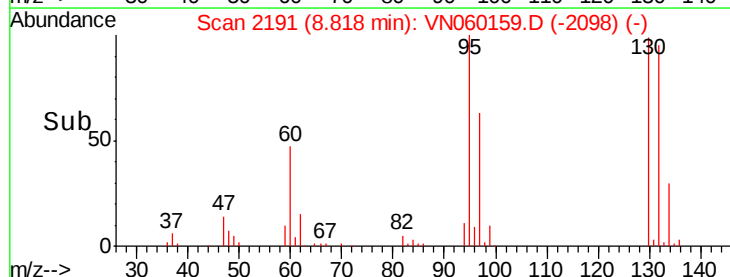
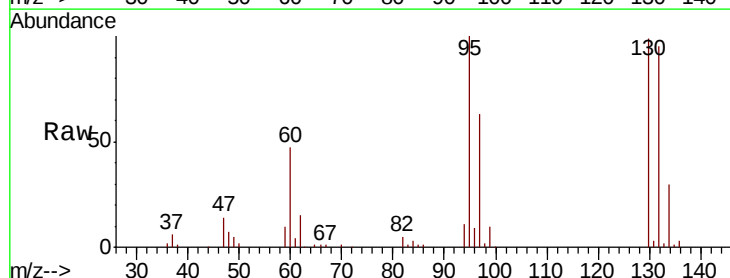
Acq: 19 Feb 2020 17:25

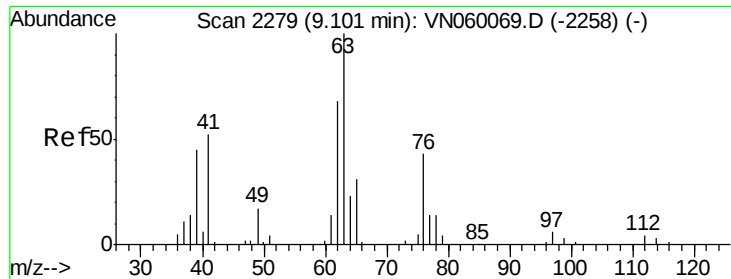
Tgt Ion:130 Resp: 104268

Ion Ratio Lower Upper

130 100

95 101.1 0.0 192.4

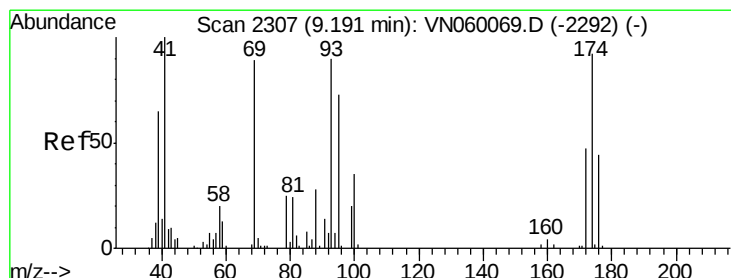
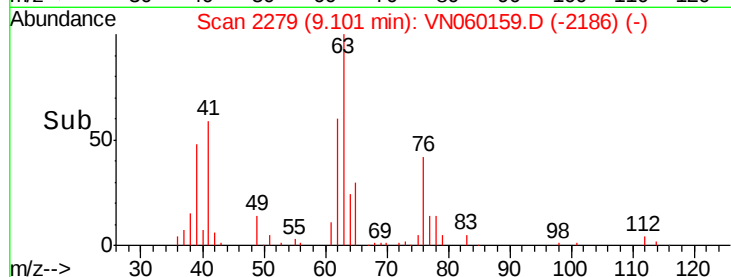
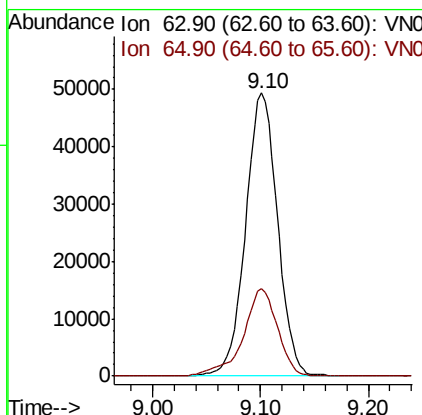
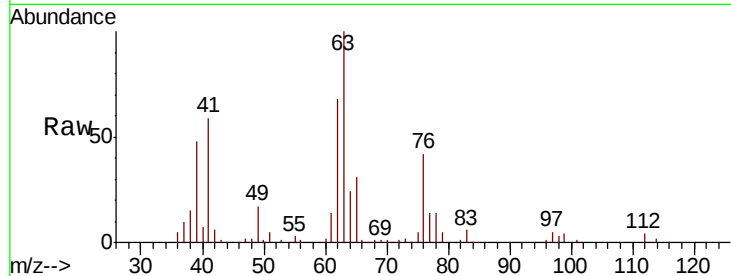




#45
 1,2-Dichloropropane
 Concen: 50.213 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: VN060159.D
 Acq: 19 Feb 2020 17:25

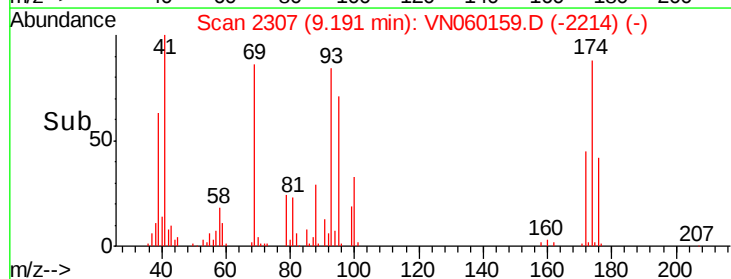
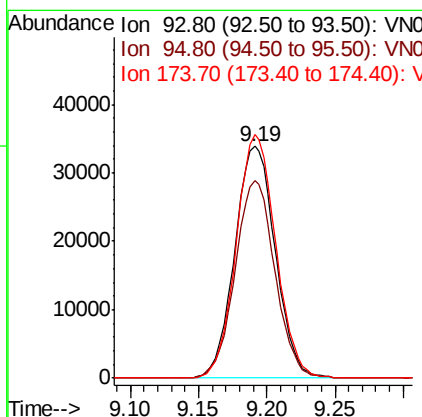
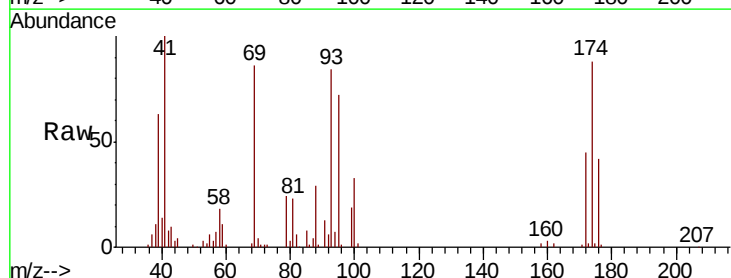
Instrument :
 MSVOA_N
 ClientSampled :

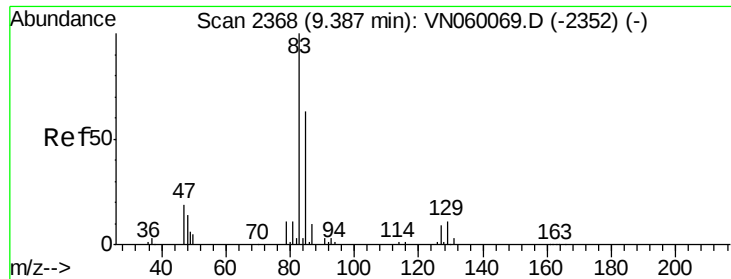
Tot Ion: 63 Resp: 101546
 Ion Ratio Lower Upper
 63 100
 65 30.8 25.0 37.4



#46
 Dibromomethane
 Concen: 48.891 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN060159.D
 Acq: 19 Feb 2020 17:25

Tgt Ion: 93 Resp: 69870
 Ion Ratio Lower Upper
 93 100
 95 83.8 65.0 97.6
 174 102.4 82.3 123.5

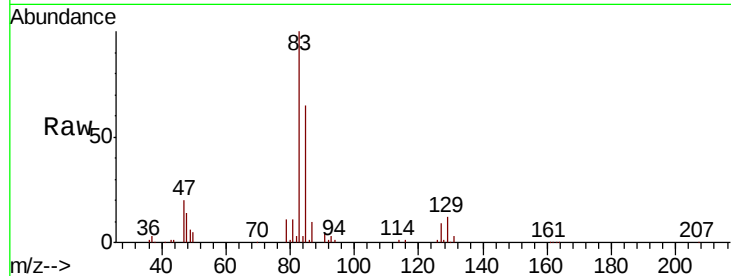




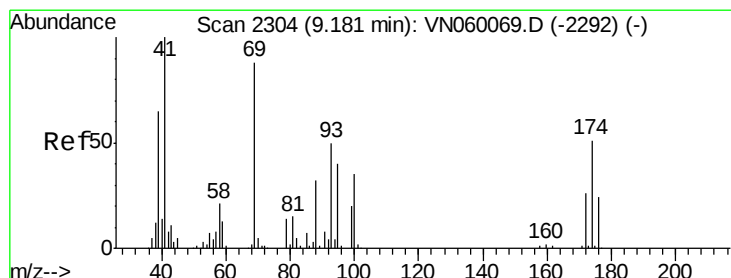
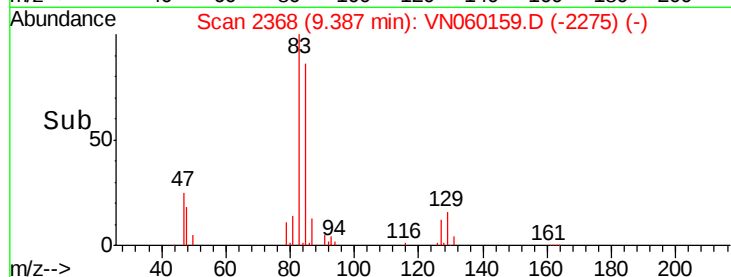
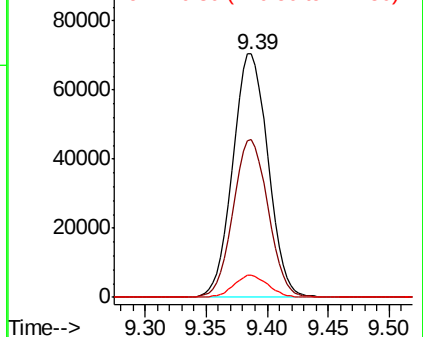
#47
Bromodichloromethane
Concen: 48.707 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. -0.00 min
Lab File: VN060159.D
Acq: 19 Feb 2020 17:25

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 141515
Ion Ratio Lower Upper
83 100
85 65.0 50.6 75.8
127 9.1 7.0 10.6

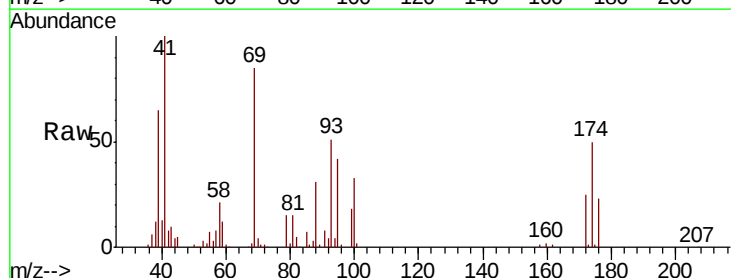


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0

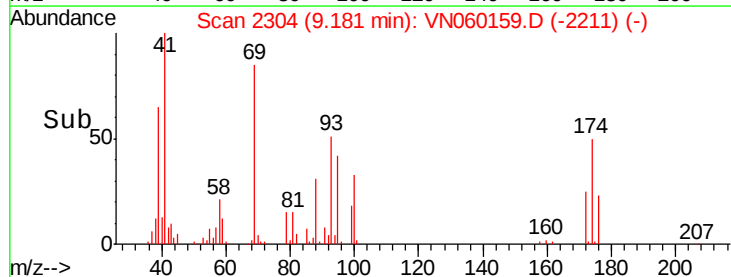
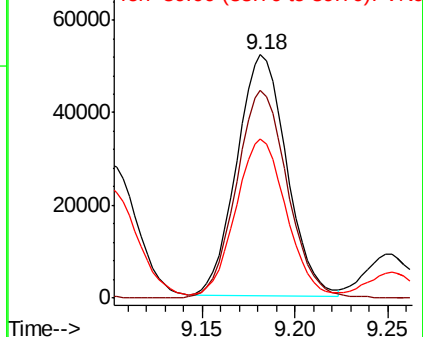


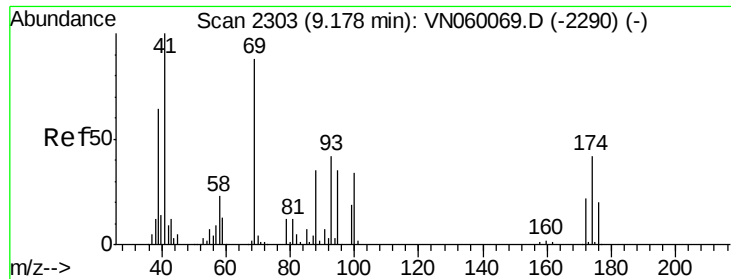
#48
Methyl methacrylate
Concen: 50.948 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.00 min
Lab File: VN060159.D
Acq: 19 Feb 2020 17:25

Tgt Ion: 41 Resp: 97245
Ion Ratio Lower Upper
41 100
69 88.7 72.0 108.0
39 67.8 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

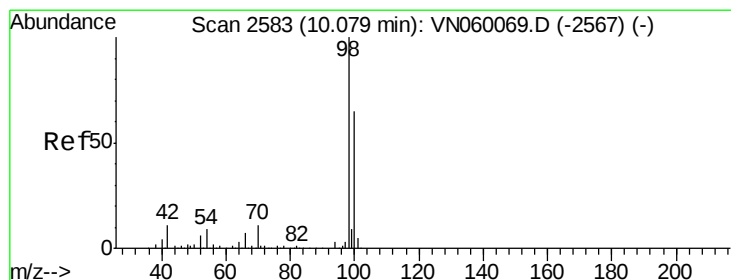
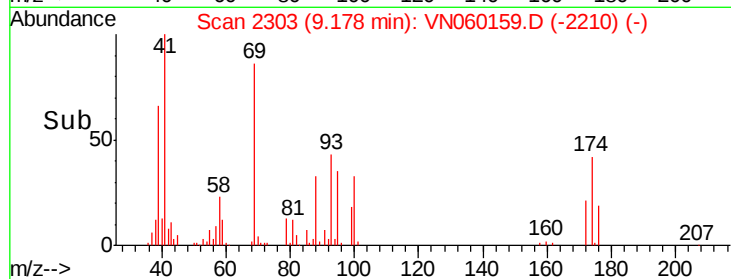
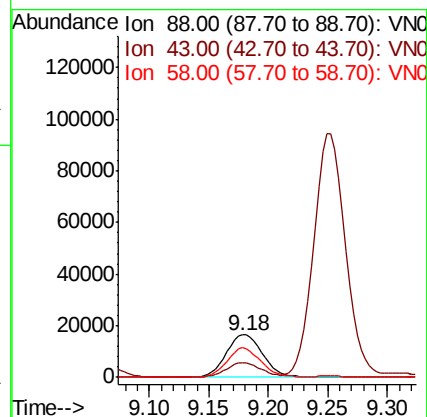
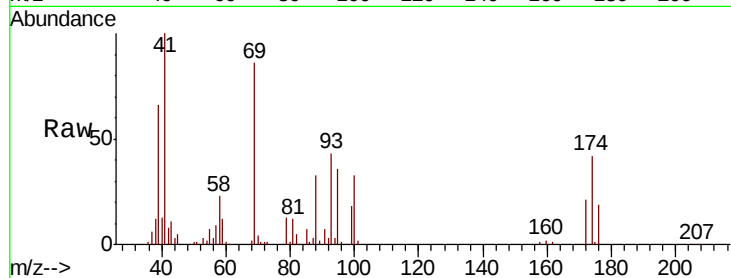




#49
1,4-Dioxane
Concen: 1073.768 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VN060159.D
Acq: 19 Feb 2020 17:25

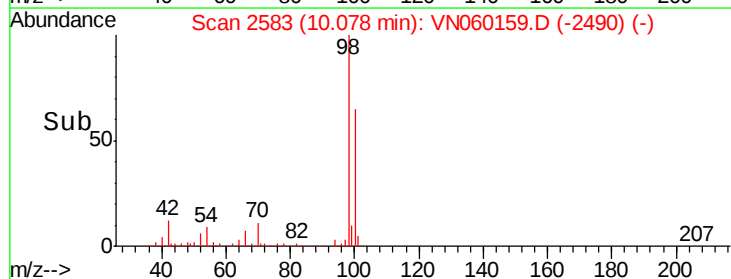
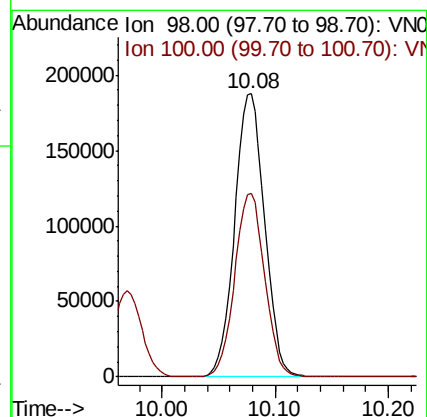
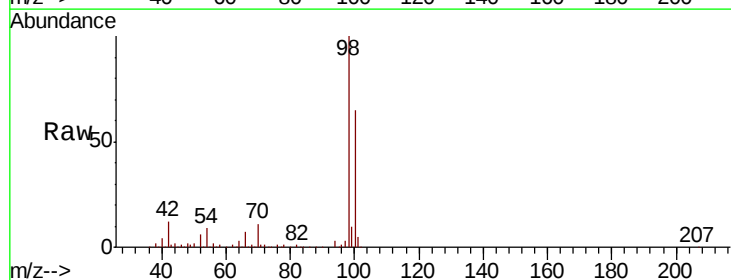
Instrument :
MSVOA_N
ClientSampleId :

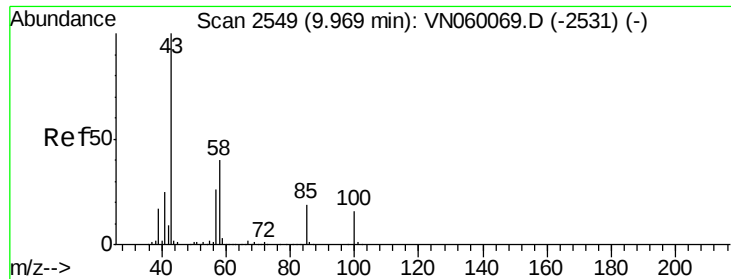
Tot Ion: 88 Resp: 35018
Ion Ratio Lower Upper
88 100
43 33.0 26.2 39.2
58 64.7 53.2 79.8



#50
Toluene-d8
Concen: 48.120 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN060159.D
Acq: 19 Feb 2020 17:25

Tgt Ion: 98 Resp: 346297
Ion Ratio Lower Upper
98 100
100 64.8 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 262.279 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN060159.D

Acq: 19 Feb 2020 17:25

Instrument :

MSVOA_N

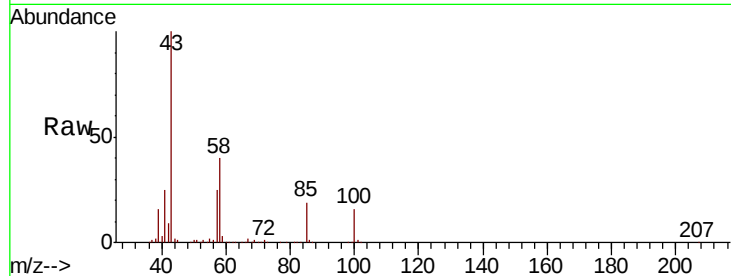
ClientSampled :

Tot Ion: 43 Resp: 645838

Ion Ratio Lower Upper

43 100

58 39.9 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

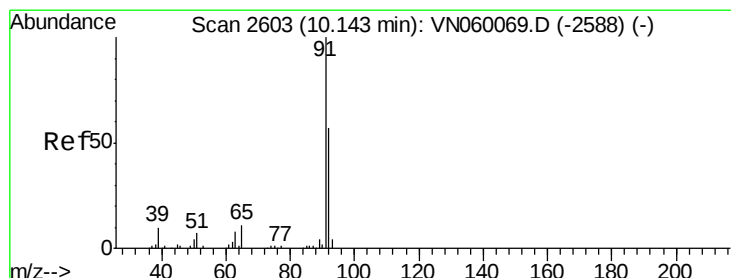
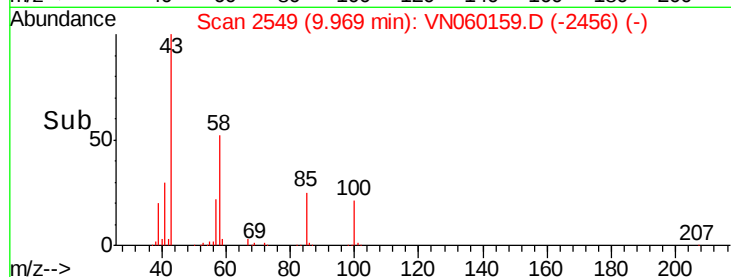
200000

100000

0

9.90 9.95 10.00

Time-->



#52

Toluene

Concen: 48.769 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN060159.D

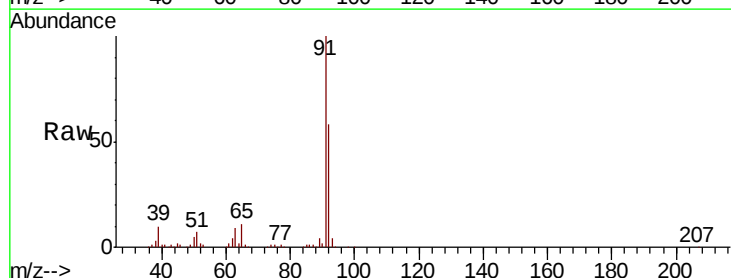
Acq: 19 Feb 2020 17:25

Tgt Ion: 92 Resp: 255456

Ion Ratio Lower Upper

92 100

91 172.3 140.9 211.3



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

250000

200000

150000

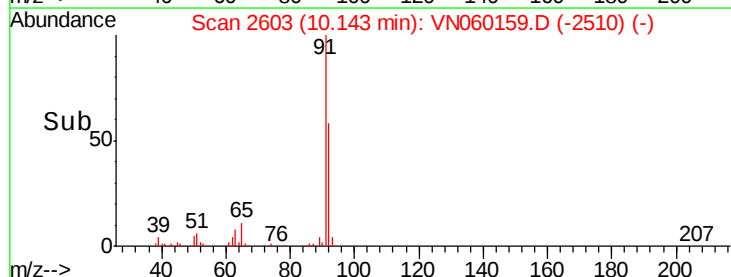
100000

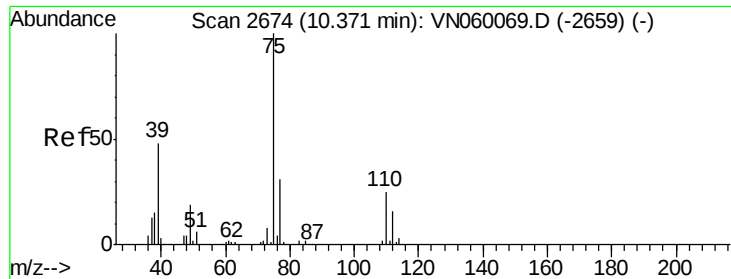
50000

0

10.10 10.15 10.20

Time-->





#53

t-1,3-Dichloropropene

Concen: 49.649 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN060159.D

Acq: 19 Feb 2020 17:25

Instrument :

MSVOA_N

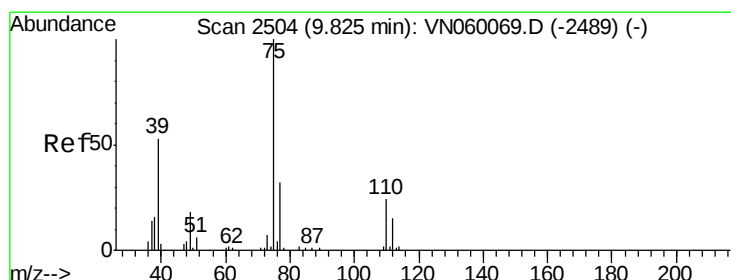
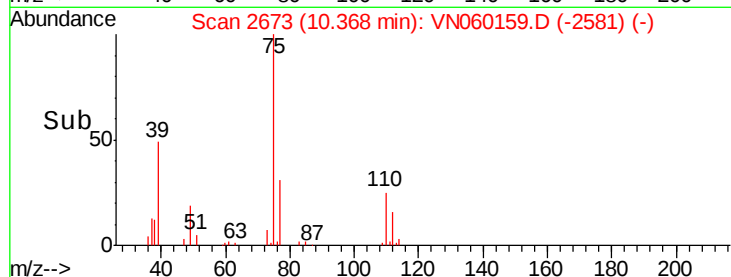
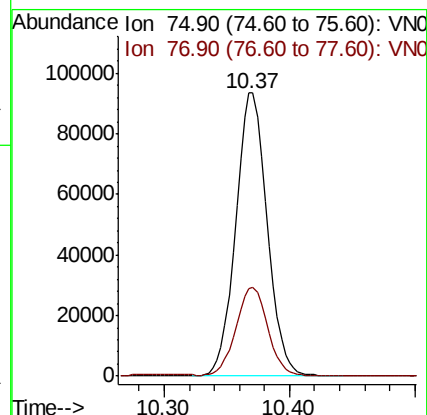
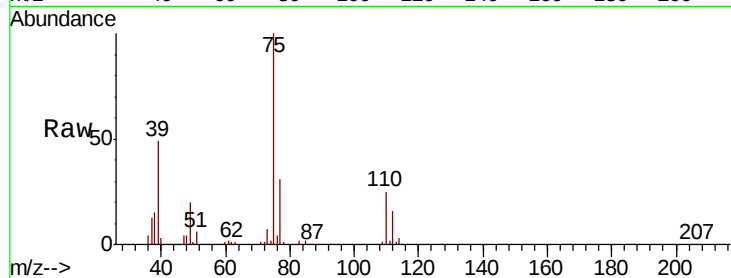
ClientSampled :

Tot Ion: 75 Resp: 162828

Ion Ratio Lower Upper

75 100

77 30.9 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 48.973 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. -0.00 min

Lab File: VN060159.D

Acq: 19 Feb 2020 17:25

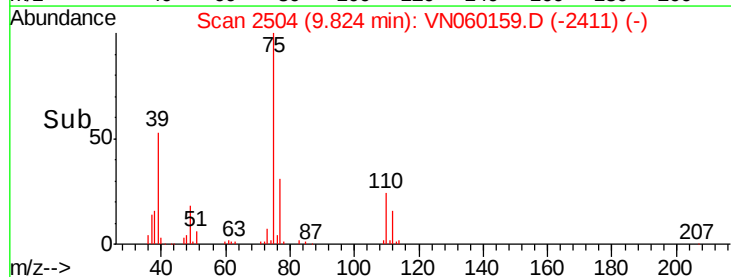
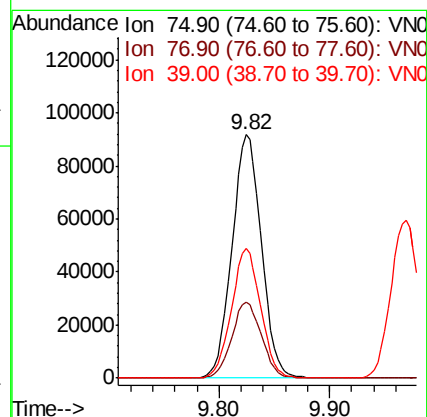
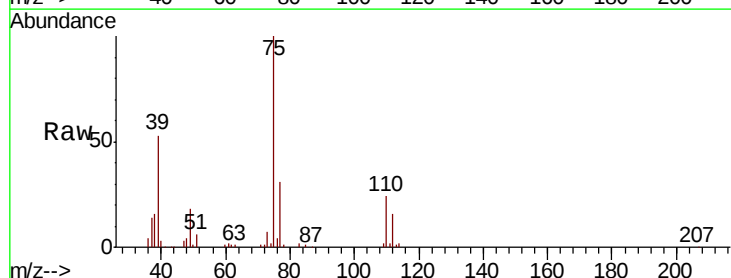
Tgt Ion: 75 Resp: 169124

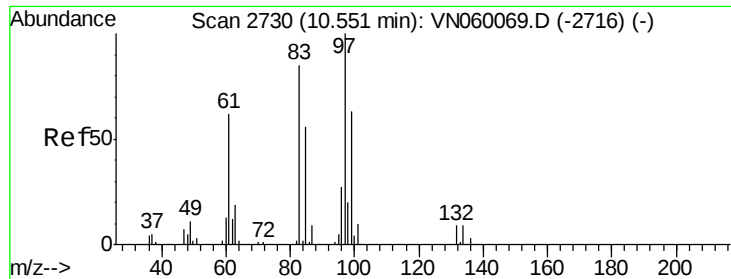
Ion Ratio Lower Upper

75 100

77 31.1 25.6 38.4

39 53.1 42.2 63.4

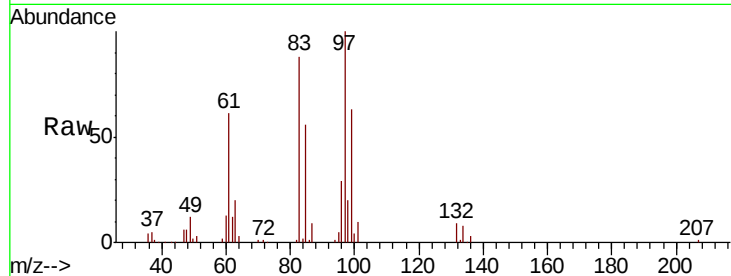




#55
 1,1,2-Trichloroethane
 Concen: 48.700 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VN060159.D
 Acq: 19 Feb 2020 17:25

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	97	Resp	99520
Ion	Ratio	Lower	Upper
97	100		
83	88.0	67.9	101.9
85	55.8	44.6	67.0
99	63.0	50.1	75.1



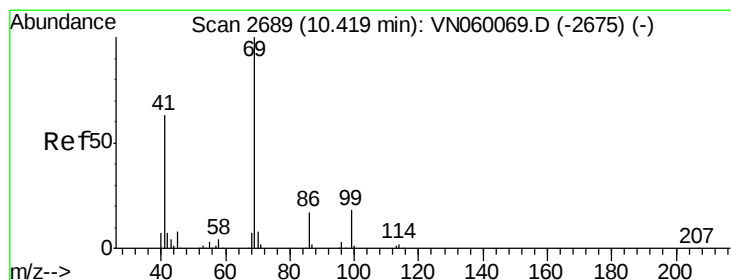
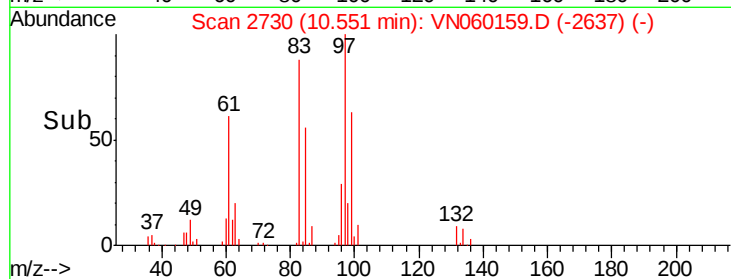
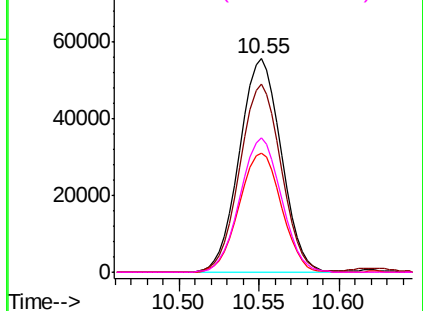
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

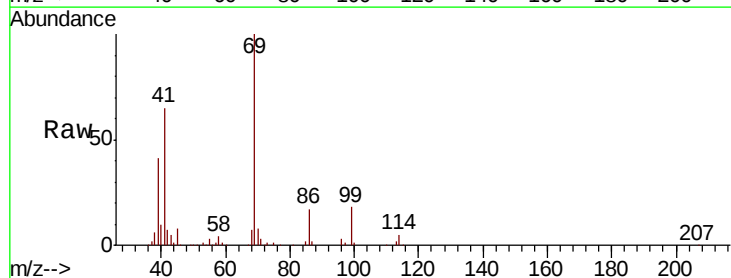
Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56
 Ethyl methacrylate
 Concen: 52.150 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. -0.00 min
 Lab File: VN060159.D
 Acq: 19 Feb 2020 17:25

Tgt Ion	69	Resp	150757
Ion	Ratio	Lower	Upper
69	100		
41	64.3	51.1	76.7
39	42.1	33.8	50.8

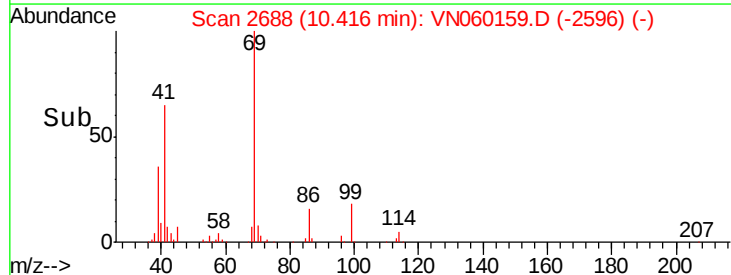
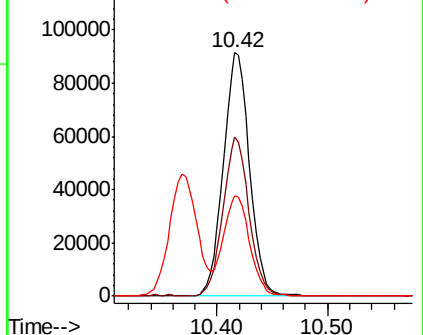


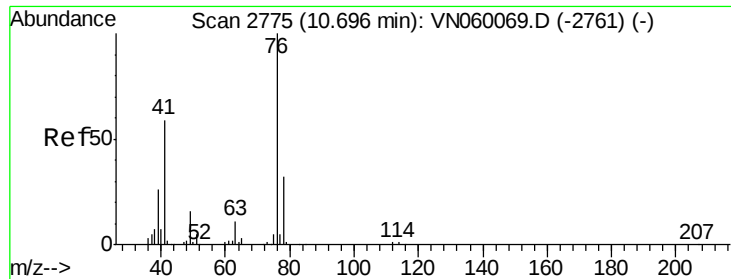
Abundance

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

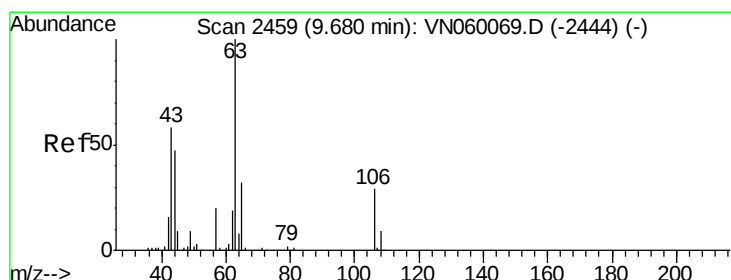
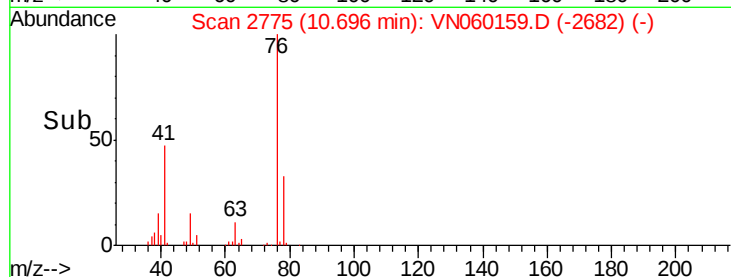
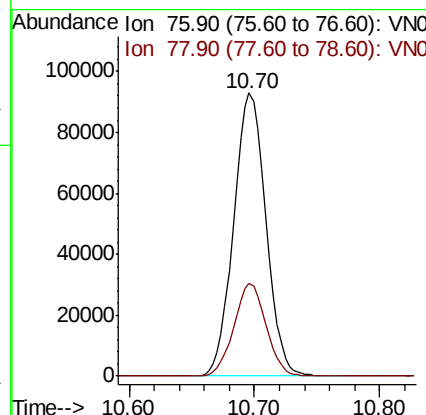
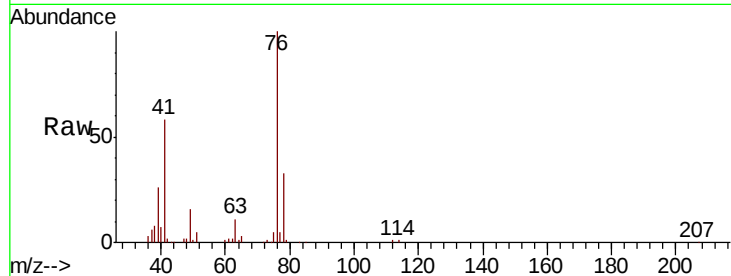




#57
 1,3-Dichloropropane
 Concen: 49.208 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. -0.00 min
 Lab File: VN060159.D
 Acq: 19 Feb 2020 17:25

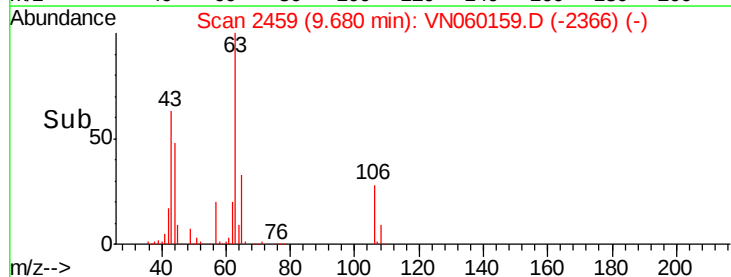
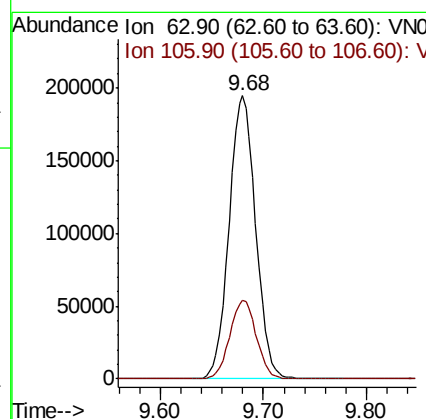
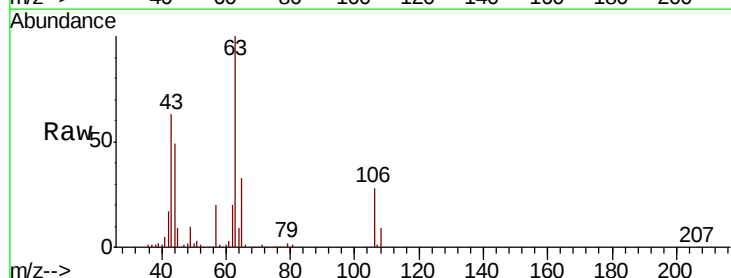
Instrument :
 MSVOA_N
 ClientSampled :

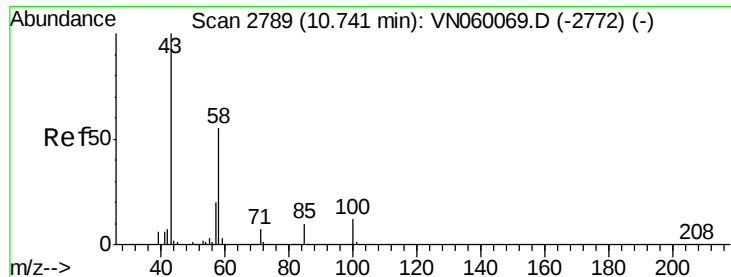
Tot Ion: 76 Resp: 165929
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 258.866 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. -0.00 min
 Lab File: VN060159.D
 Acq: 19 Feb 2020 17:25

Tgt Ion: 63 Resp: 348626
 Ion Ratio Lower Upper
 63 100
 106 27.9 22.9 34.3

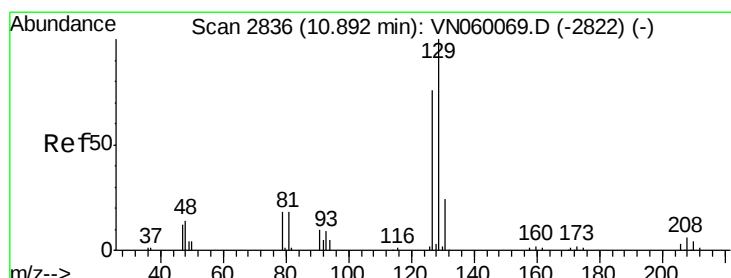
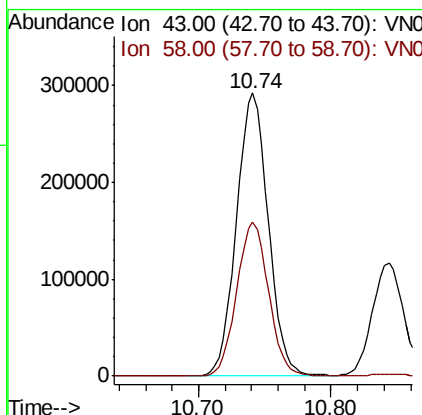
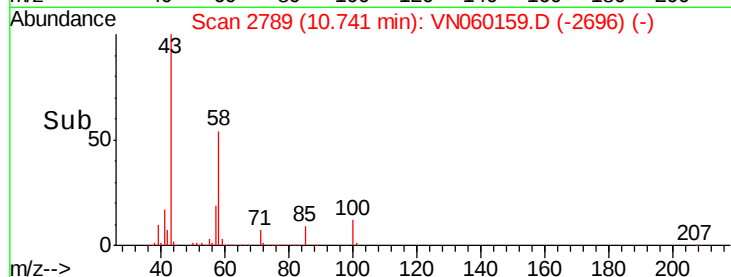
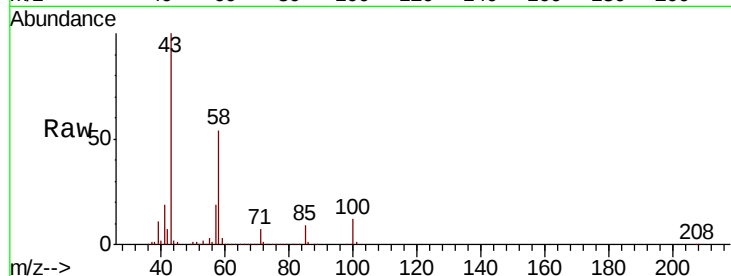




#59
2-Hexanone
Concen: 255.987 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN060159.D
Acq: 19 Feb 2020 17:25

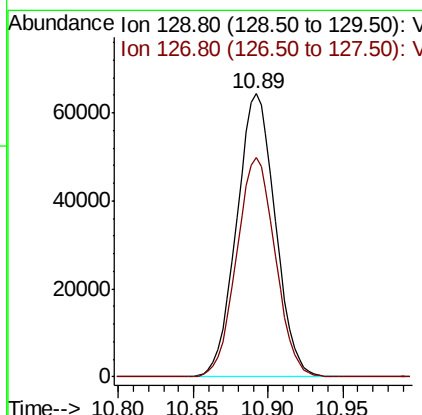
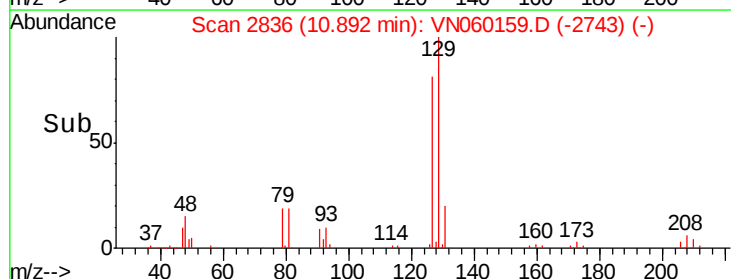
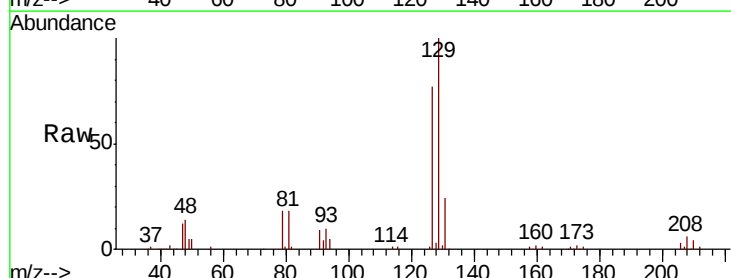
Instrument :
MSVOA_N
ClientSampleId :

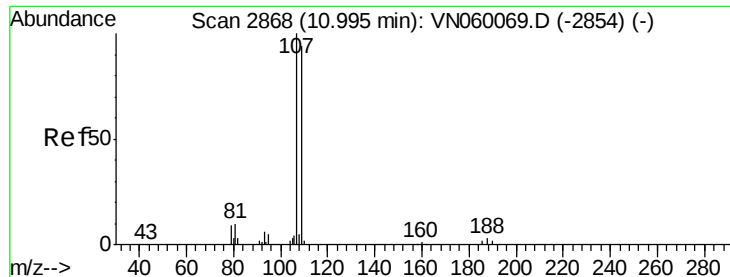
Tot Ion: 43 Resp: 486924
Ion Ratio Lower Upper
43 100
58 54.7 27.5 82.4



#60
Dibromochloromethane
Concen: 49.290 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN060159.D
Acq: 19 Feb 2020 17:25

Tgt Ion:129 Resp: 115587
Ion Ratio Lower Upper
129 100
127 77.7 38.0 114.1

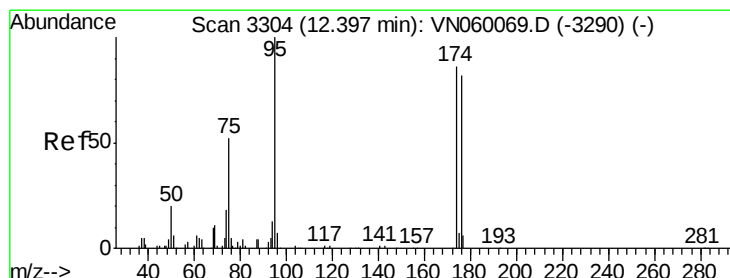
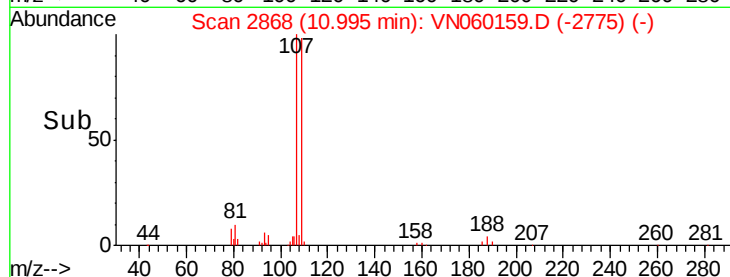
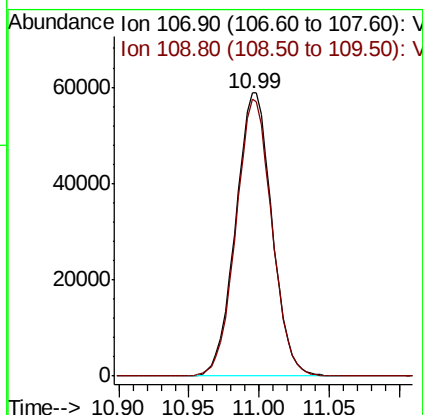
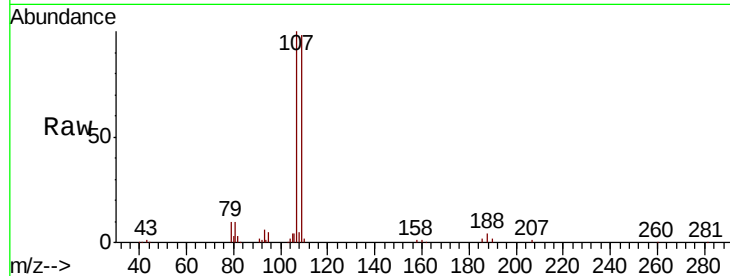




#61
 1,2-Dibromoethane
 Concen: 49.489 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060159.D
 Acq: 19 Feb 2020 17:25

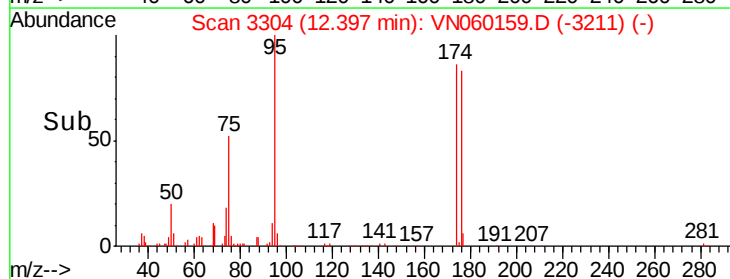
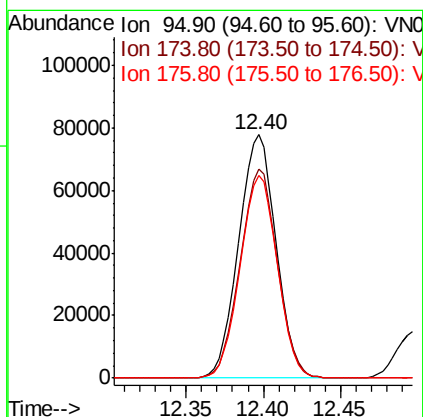
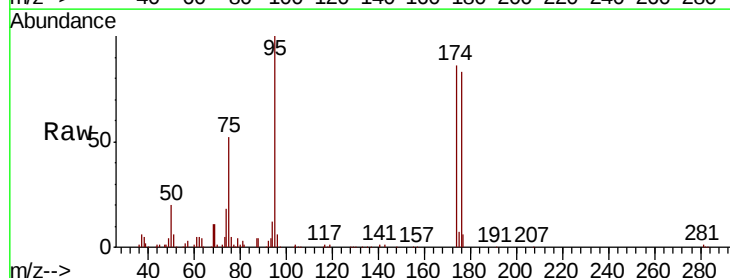
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:107 Resp: 106015
 Ion Ratio Lower Upper
 107 100
 109 96.7 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 49.515 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN060159.D
 Acq: 19 Feb 2020 17:25

Tgt Ion: 95 Resp: 130936
 Ion Ratio Lower Upper
 95 100
 174 85.6 0.0 169.8
 176 82.8 0.0 164.8

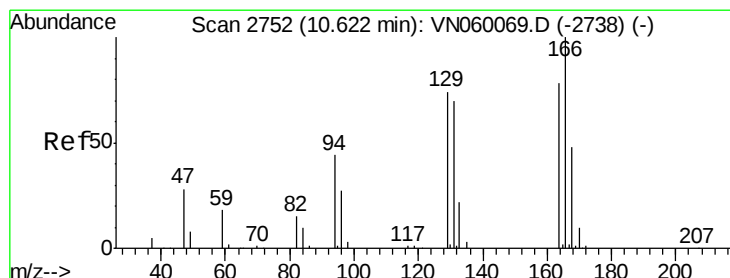
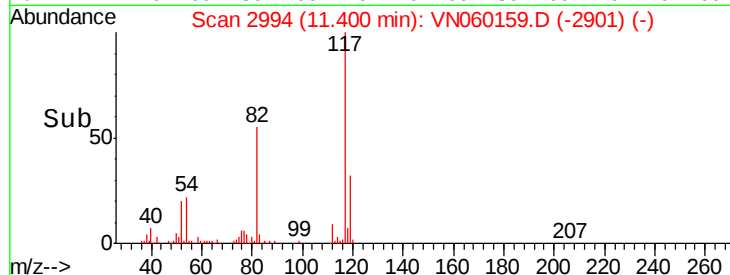
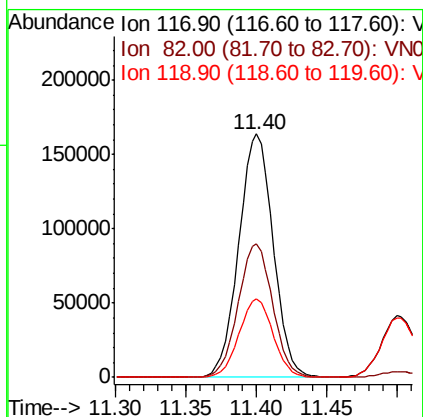
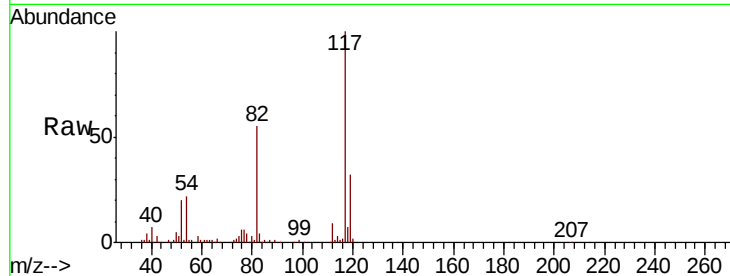




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060159.D
Acq: 19 Feb 2020 17:25

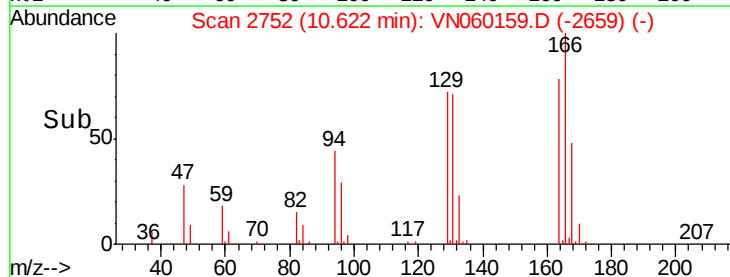
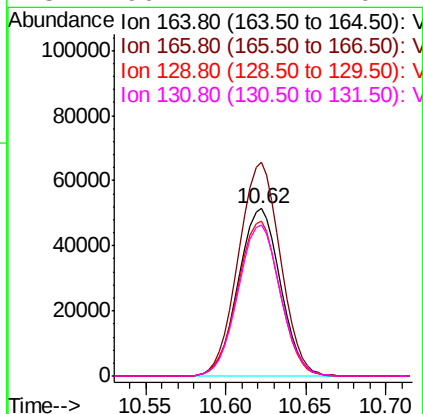
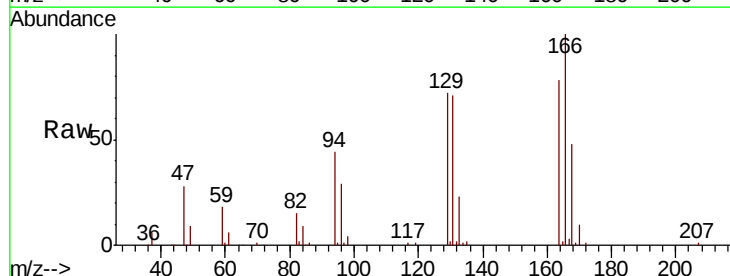
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 280226
Ion Ratio Lower Upper
117 100
82 55.0 43.4 65.0
119 32.3 25.8 38.6



#64
Tetrachloroethene
Concen: 43.156 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN060159.D
Acq: 19 Feb 2020 17:25

Tgt Ion:164 Resp: 91932
Ion Ratio Lower Upper
164 100
166 127.6 101.9 152.9
129 92.3 75.4 113.0
131 90.1 71.4 107.2

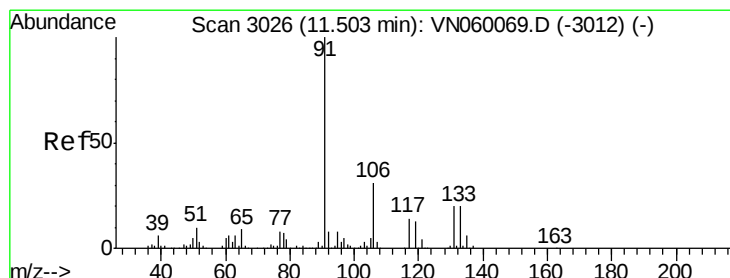
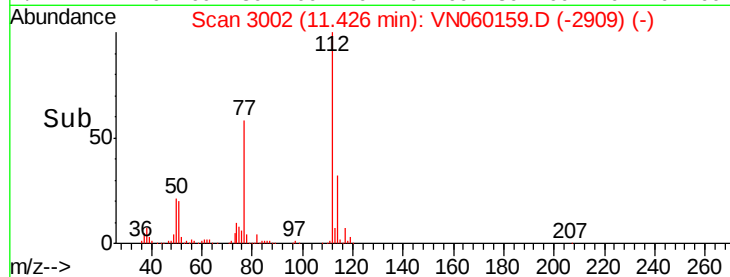
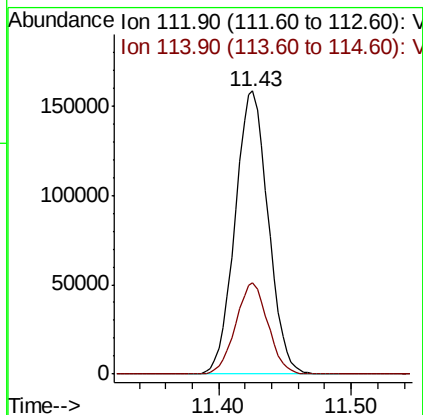
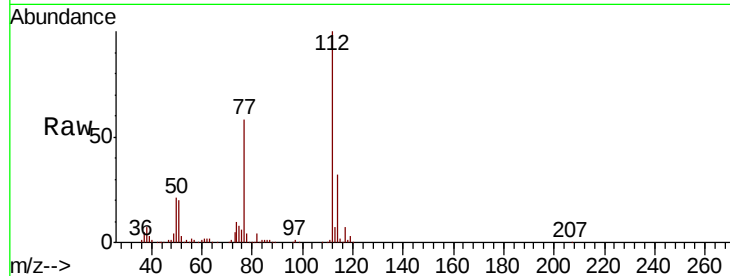




#65
Chlorobenzene
Concen: 47.978 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN060159.D
Acq: 19 Feb 2020 17:25

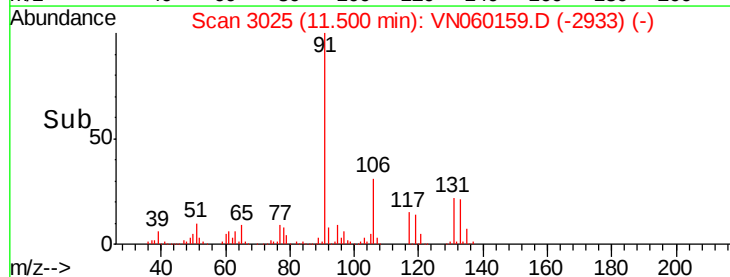
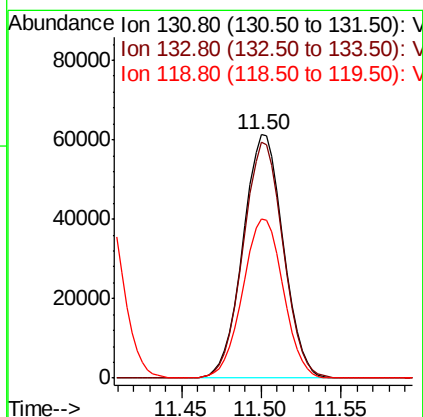
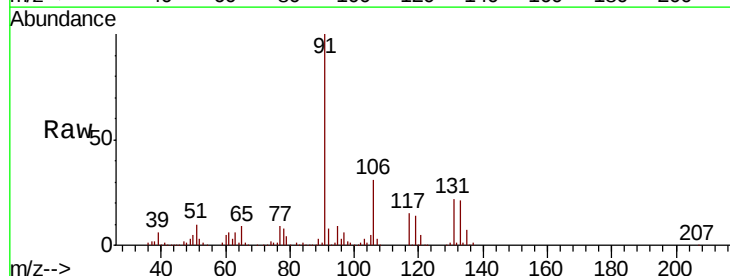
Instrument :
MSVOA_N
ClientSampleId :

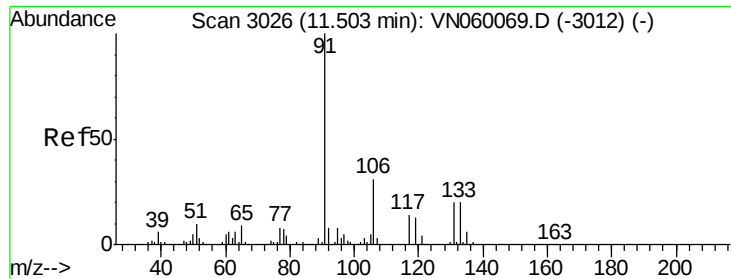
Tot Ion:112 Resp: 273912
Ion Ratio Lower Upper
112 100
114 32.1 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 48.867 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060159.D
Acq: 19 Feb 2020 17:25

Tgt Ion:131 Resp: 105541
Ion Ratio Lower Upper
131 100
133 96.4 47.9 143.7
119 65.7 32.6 97.7





#67

Ethyl Benzene

Concen: 48.391 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060159.D

Acq: 19 Feb 2020 17:25

Instrument :

MSVOA_N

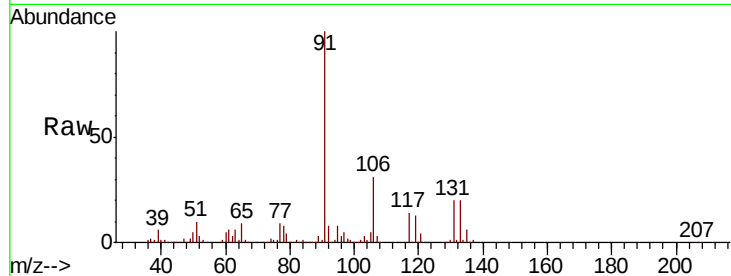
ClientSampled :

Tot Ion: 91 Resp: 498281

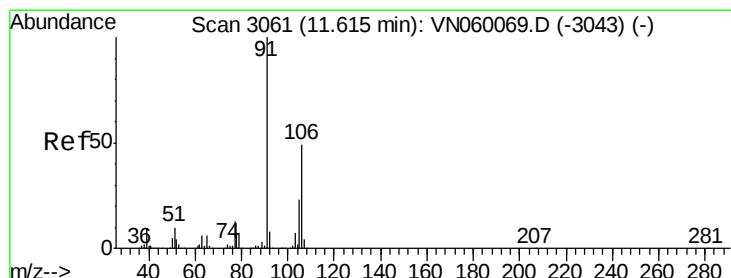
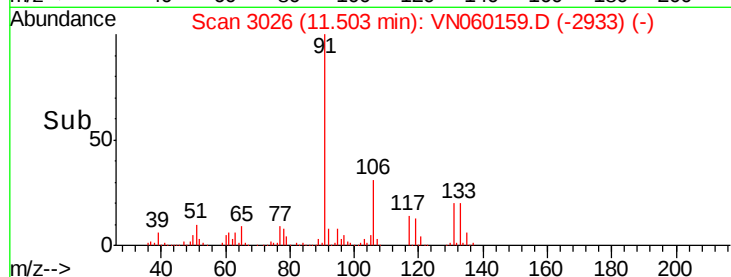
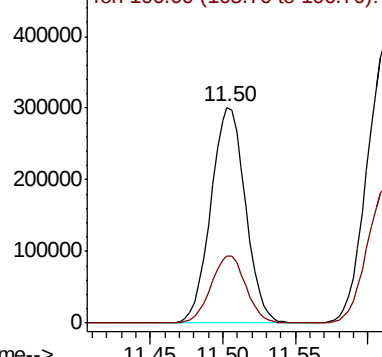
Ion Ratio Lower Upper

91 100

106 31.1 25.1 37.7



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



#68

m/p-Xylenes

Concen: 96.782 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN060159.D

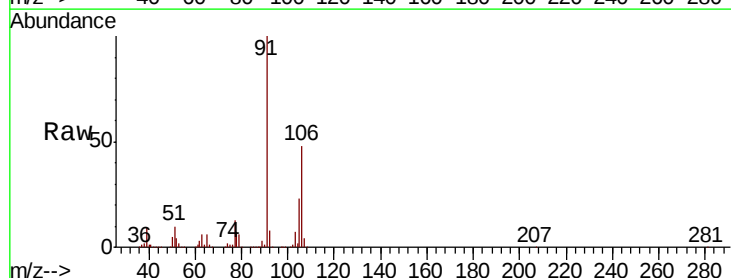
Acq: 19 Feb 2020 17:25

Tgt Ion: 106 Resp: 374023

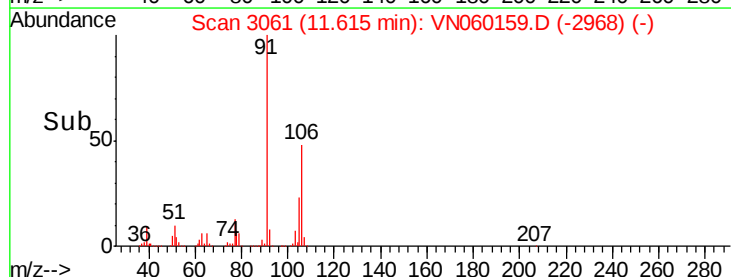
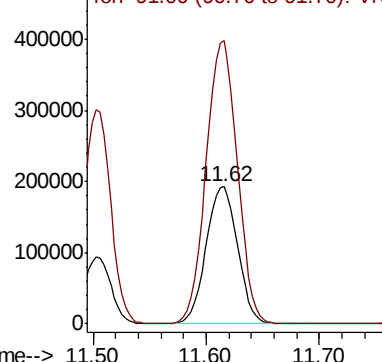
Ion Ratio Lower Upper

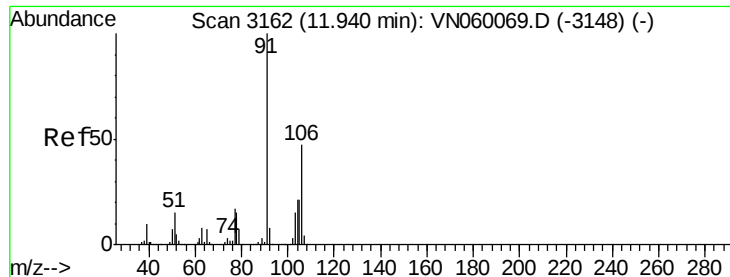
106 100

91 204.8 162.7 244.1



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

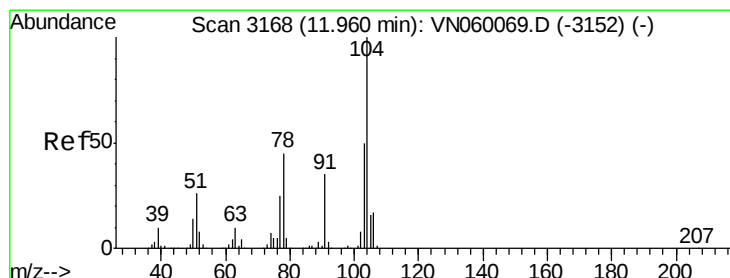
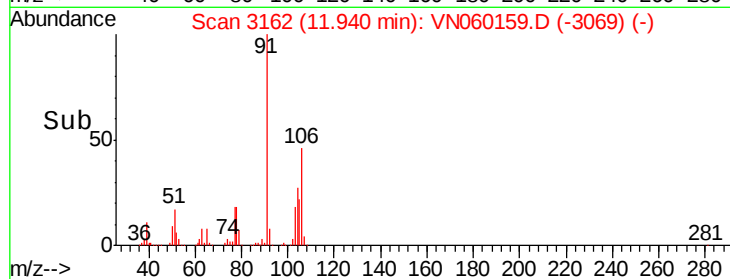
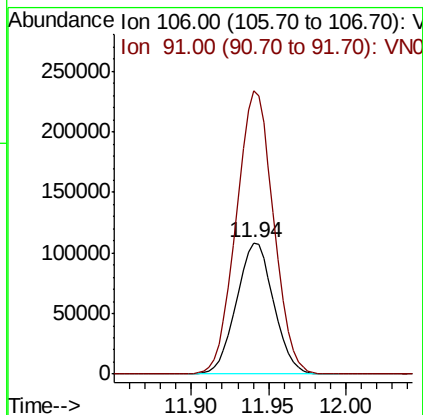
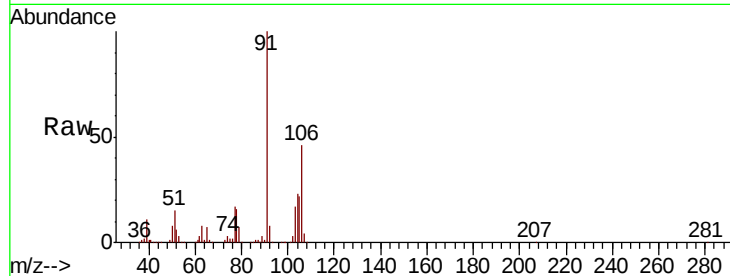




#69
o-Xylene
Concen: 48.657 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060159.D
Acq: 19 Feb 2020 17:25

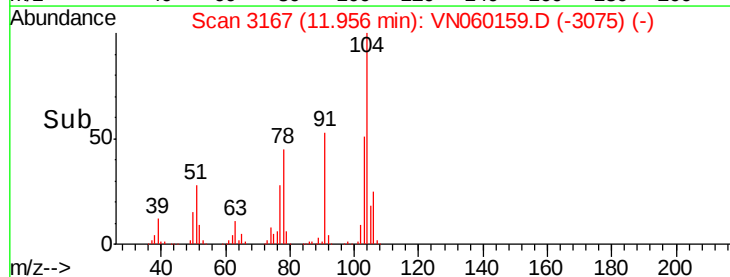
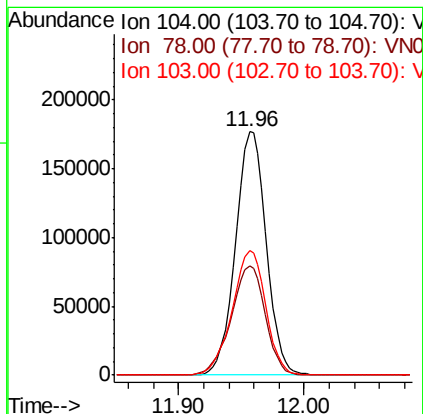
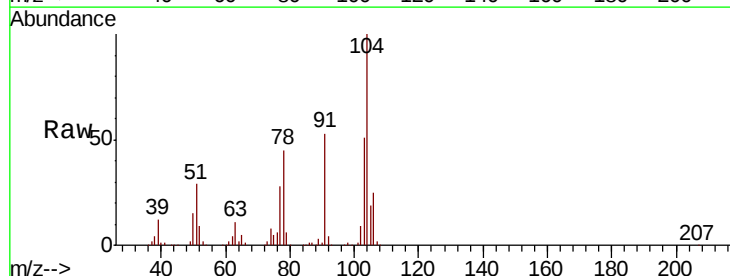
Instrument :
MSVOA_N
ClientSampled :

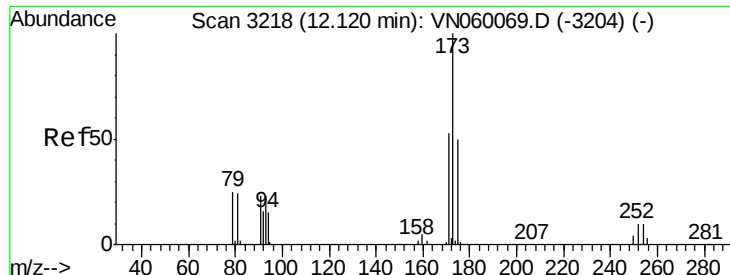
Tot Ion:106 Resp: 181052
Ion Ratio Lower Upper
106 100
91 216.0 107.2 321.6



#70
Styrene
Concen: 50.257 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060159.D
Acq: 19 Feb 2020 17:25

Tgt Ion:104 Resp: 301562
Ion Ratio Lower Upper
104 100
78 50.0 40.2 60.2
103 55.5 44.3 66.5

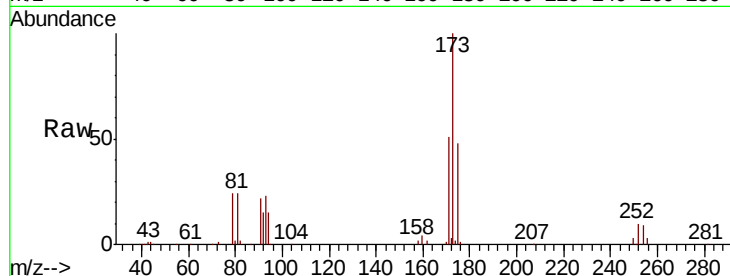




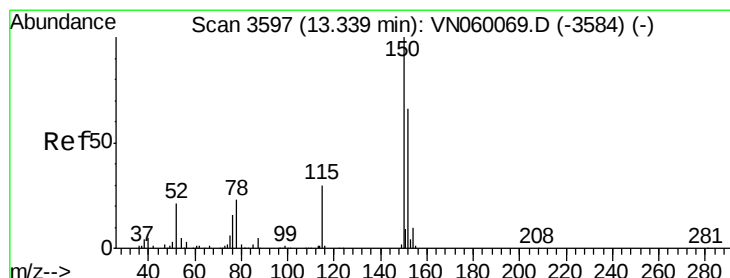
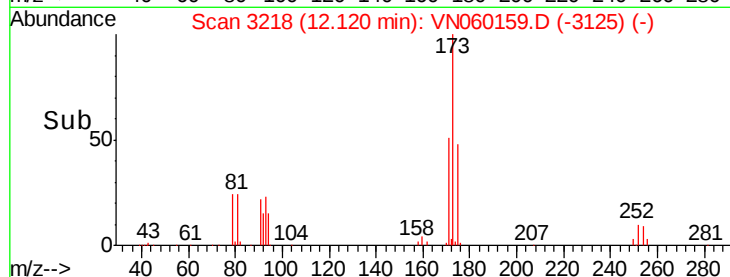
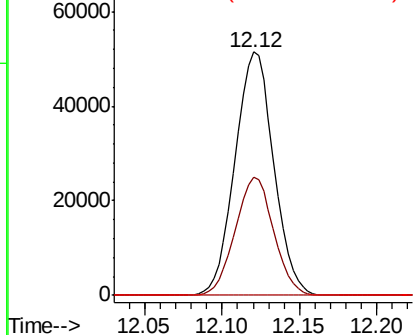
#71
Bromoform
Concen: 51.493 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. -0.00 min
Lab File: VN060159.D
Acq: 19 Feb 2020 17:25

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.9	74.6
254	0.0	0.0	0.0

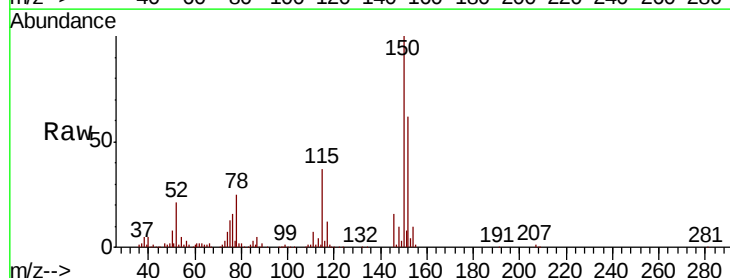


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

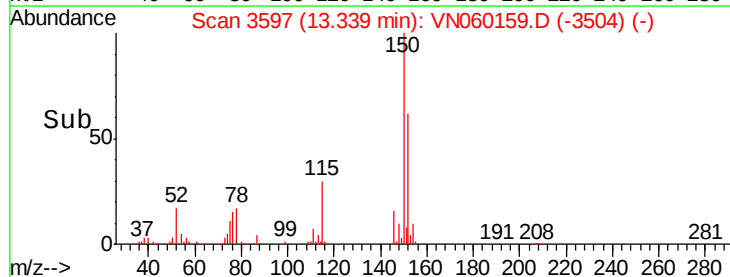
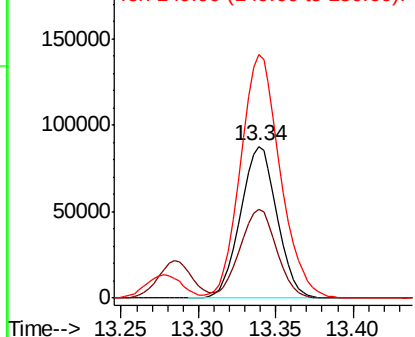


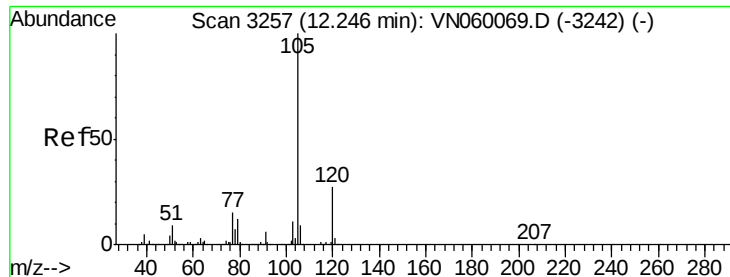
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060159.D
Acq: 19 Feb 2020 17:25

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.8	28.9	86.8
150	174.3	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: 45.949 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060159.D

Acq: 19 Feb 2020 17:25

Instrument :

MSVOA_N

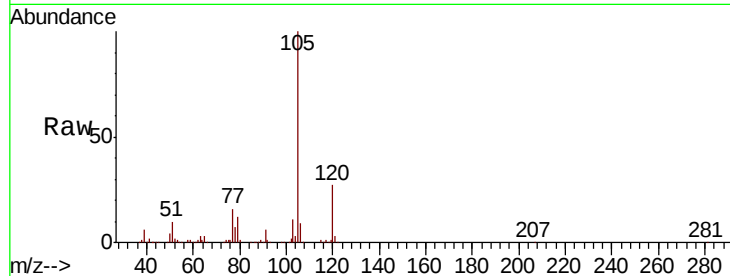
ClientSampleId :

Tot Ion:105 Resp: 494270

Ion Ratio Lower Upper

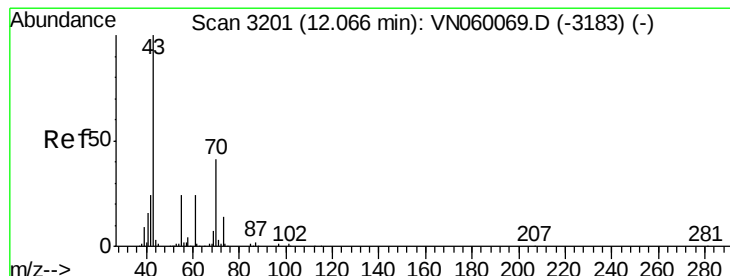
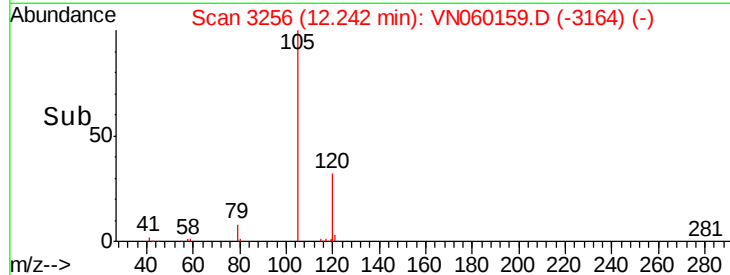
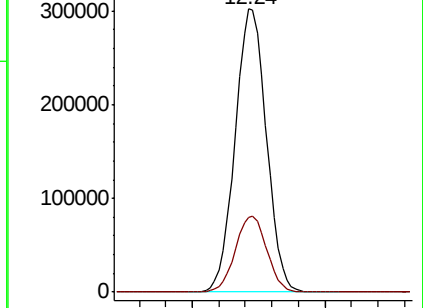
105 100

120 26.9 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: 51.065 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060159.D

Acq: 19 Feb 2020 17:25

Tgt Ion: 43 Resp: 198076

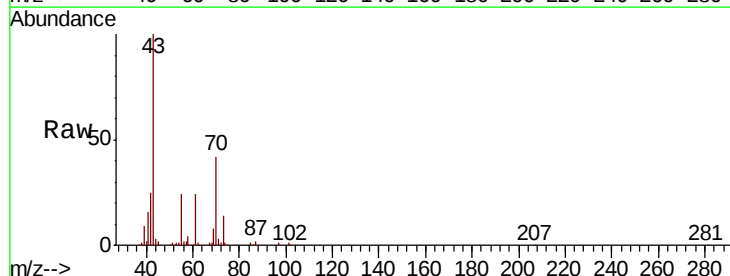
Ion Ratio Lower Upper

43 100

70 42.3 33.4 50.0

55 24.0 18.8 28.2

61 24.0 19.2 28.8

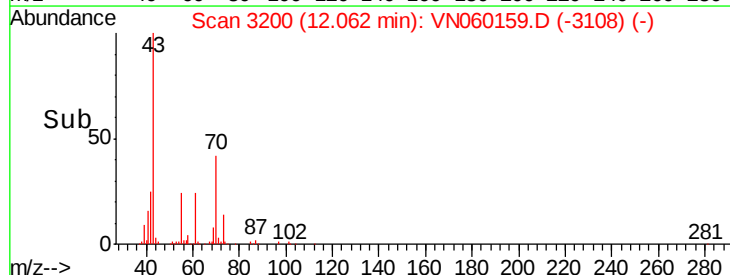
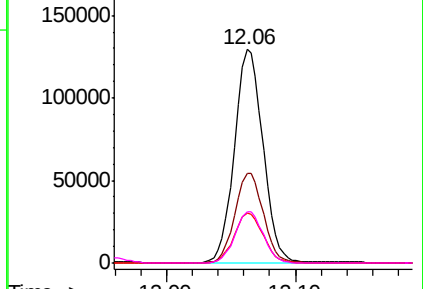


Abundance Ion 43.00 (42.70 to 43.70): V

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: 49.570 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060159.D

Acq: 19 Feb 2020 17:25

Instrument :

MSVOA_N

ClientSampleId :

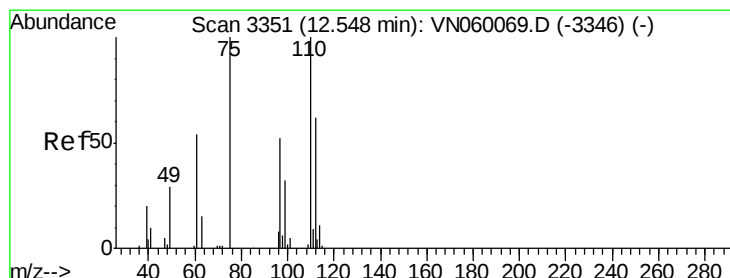
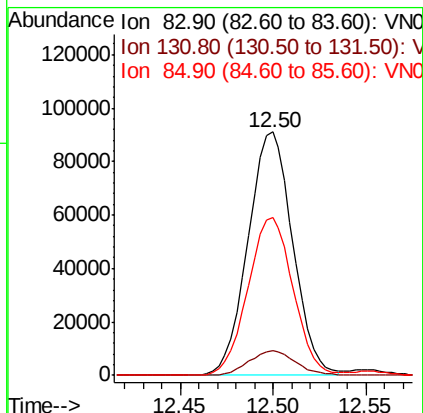
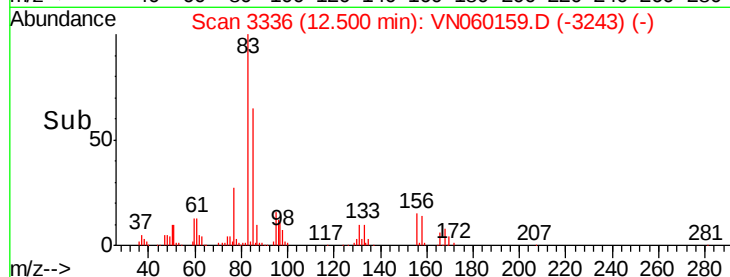
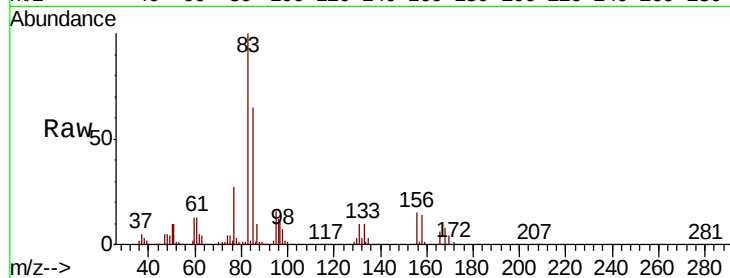
Tot Ion: 83 Resp: 153480

Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.2	15.6
85	65.5	32.3	96.9

83 100

131 10.5 5.2 15.6

85 65.5 32.3 96.9



#76

1,2,3-Trichloropropane

Concen: 72.925 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VN060159.D

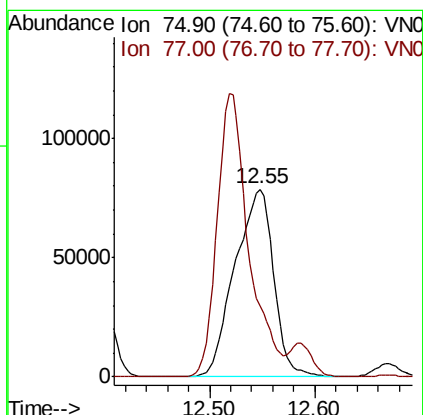
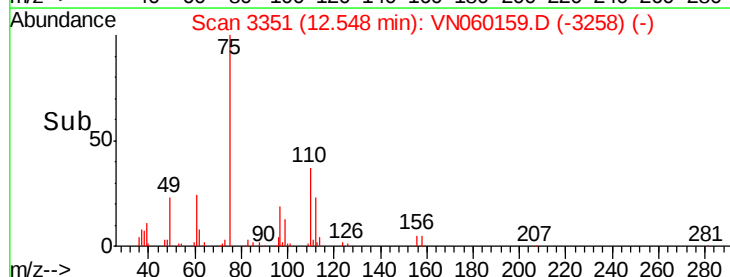
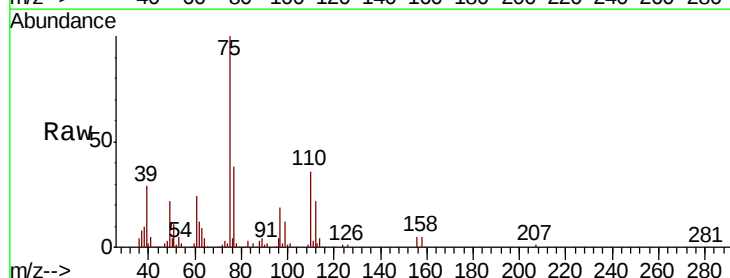
Acq: 19 Feb 2020 17:25

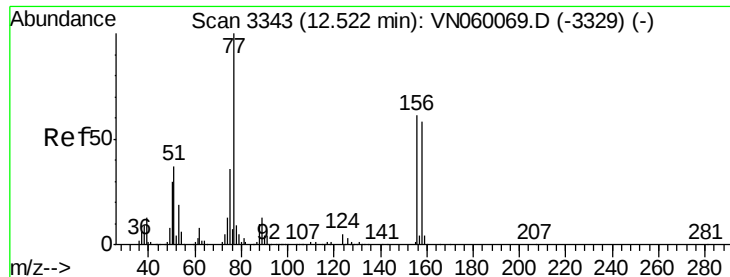
Tgt Ion: 75 Resp: 200981

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 46.563 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060159.D

Acq: 19 Feb 2020 17:25

Instrument :

MSVOA_N

ClientSampleId :

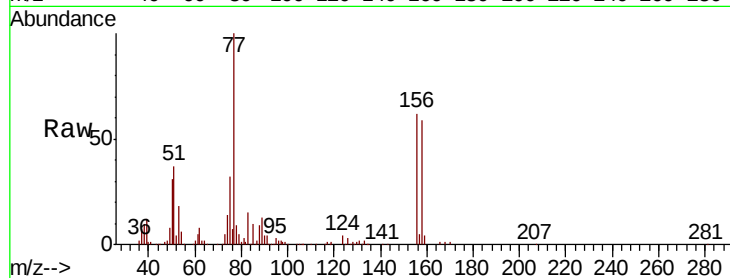
Tot Ion:156 Resp: 124302

Ion Ratio Lower Upper

156 100

77 198.3 98.7 296.1

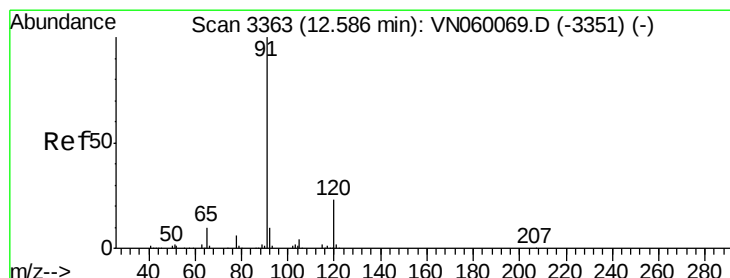
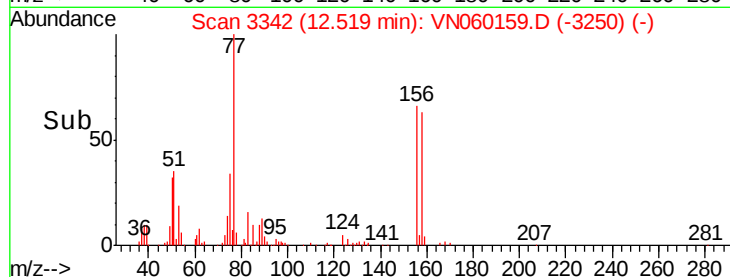
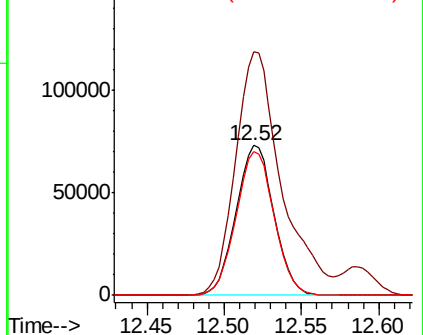
158 96.5 48.1 144.4



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: 46.386 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN060159.D

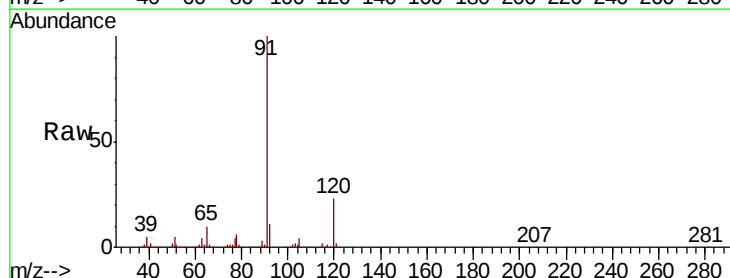
Acq: 19 Feb 2020 17:25

Tgt Ion: 91 Resp: 568498

Ion Ratio Lower Upper

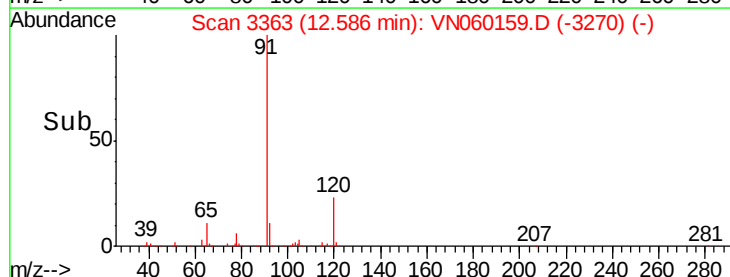
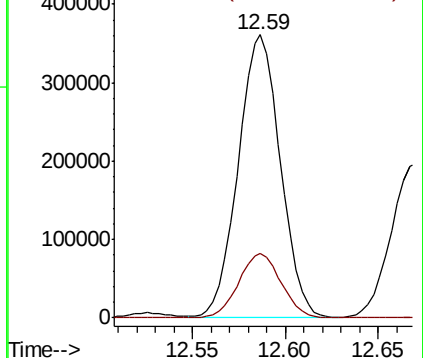
91 100

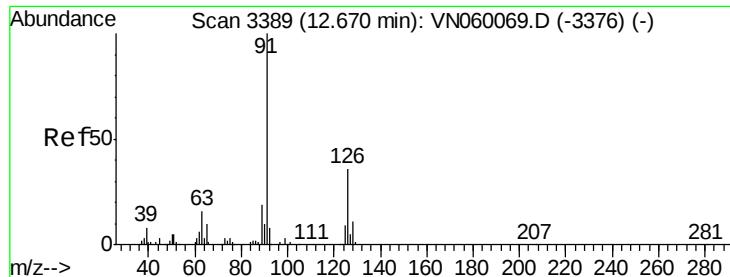
120 22.9 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 45.963 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN060159.D

Acq: 19 Feb 2020 17:25

Instrument :

MSVOA_N

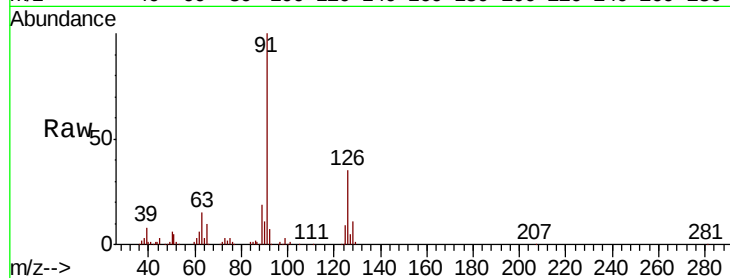
ClientSampled :

Tot Ion: 91 Resp: 331099

Ion Ratio Lower Upper

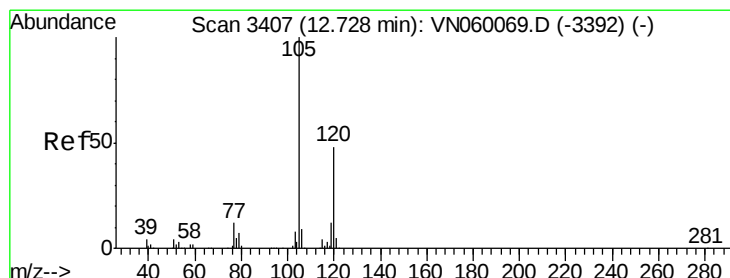
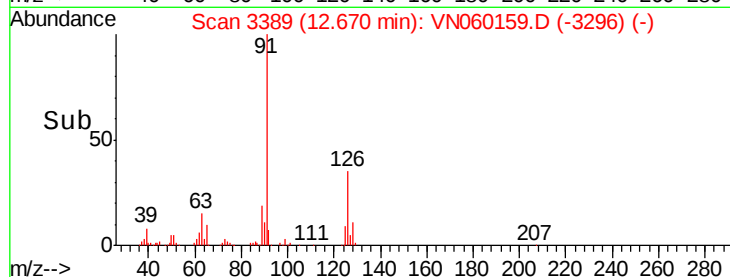
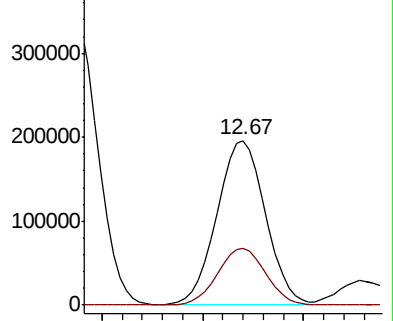
91 100

126 34.3 17.4 52.2



Abundance Ion 91.00 (90.70 to 91.70): VN060159.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN060159.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 46.590 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060159.D

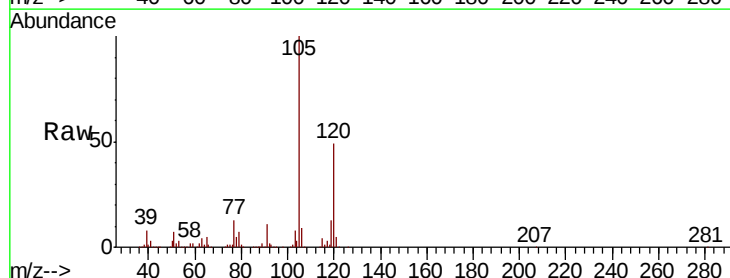
Acq: 19 Feb 2020 17:25

Tgt Ion:105 Resp: 416696

Ion Ratio Lower Upper

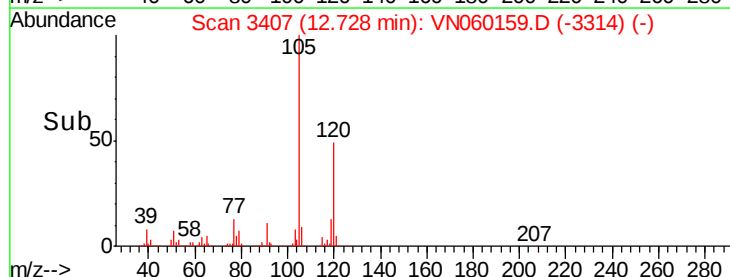
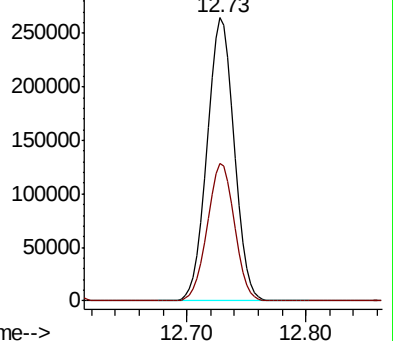
105 100

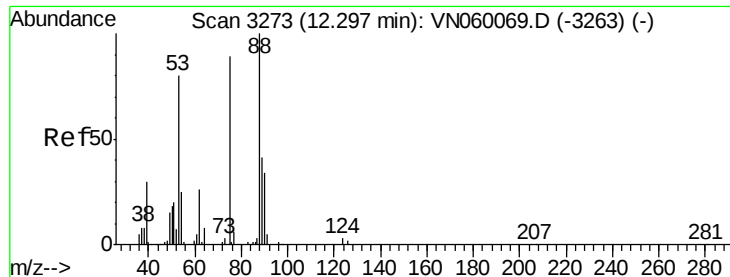
120 48.6 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VN060159.D (-3392) (-)

Ion 120.00 (119.70 to 120.70): VN060159.D (-3392) (-)

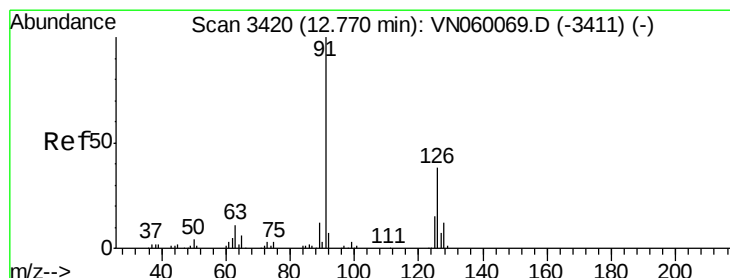
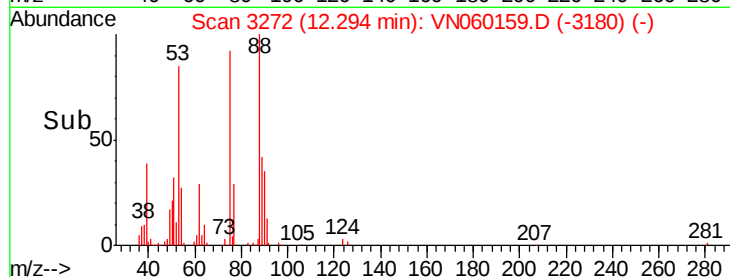
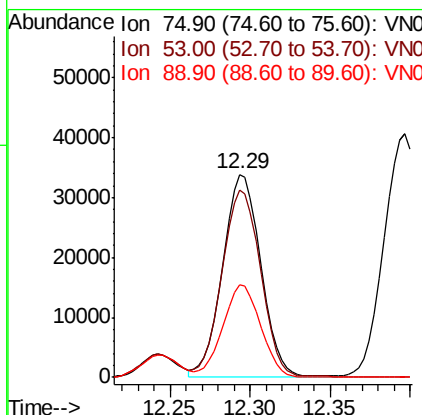
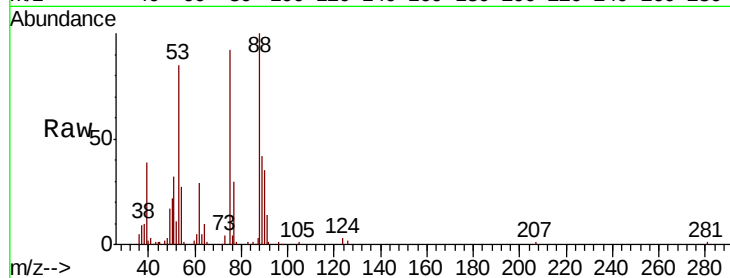




#81
trans-1,4-Dichloro-2-butene
Concen: 49.339 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. -0.00 min
Lab File: VN060159.D
Acq: 19 Feb 2020 17:25

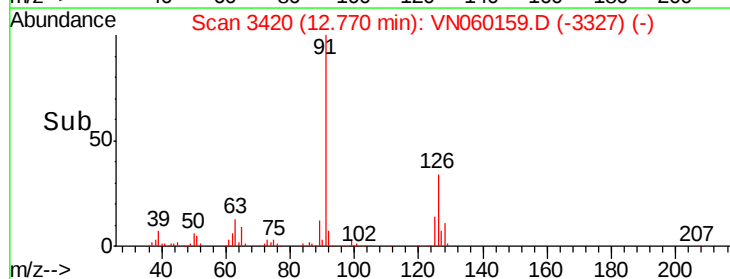
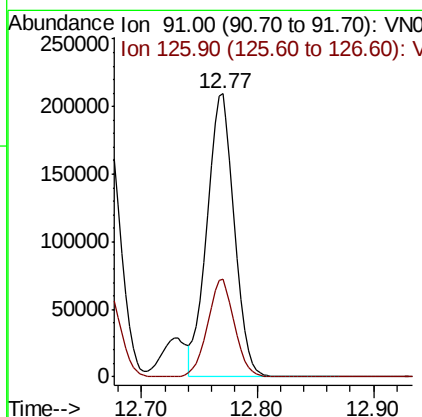
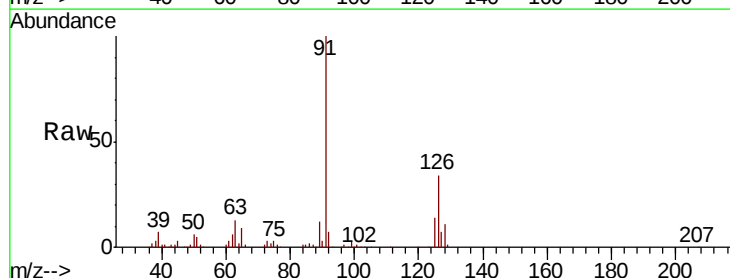
Instrument :
MSVOA_N
ClientSampled :

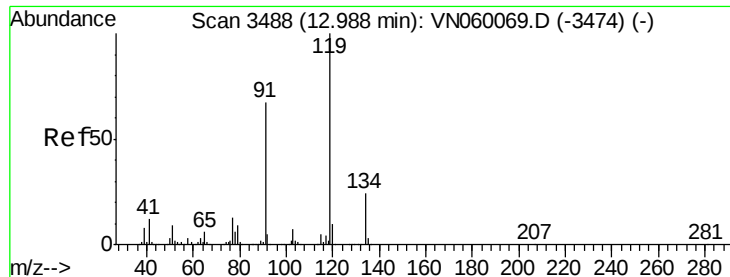
Tot Ion: 75 Resp: 55535
Ion Ratio Lower Upper
75 100
53 93.7 73.9 110.9
89 45.0 37.0 55.4



#82
4-Chlorotoluene
Concen: 46.513 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. -0.00 min
Lab File: VN060159.D
Acq: 19 Feb 2020 17:25

Tgt Ion: 91 Resp: 343762
Ion Ratio Lower Upper
91 100
126 34.0 17.1 51.3





#83

tert-Butylbenzene

Concen: 45.699 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. -0.00 min

Lab File: VN060159.D

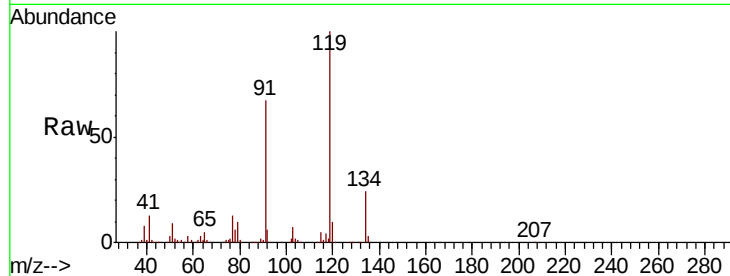
Acq: 19 Feb 2020 17:25

Instrument :

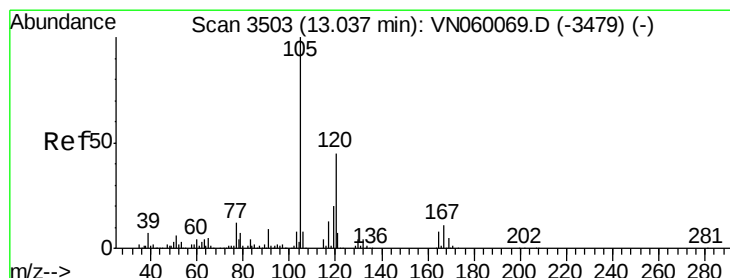
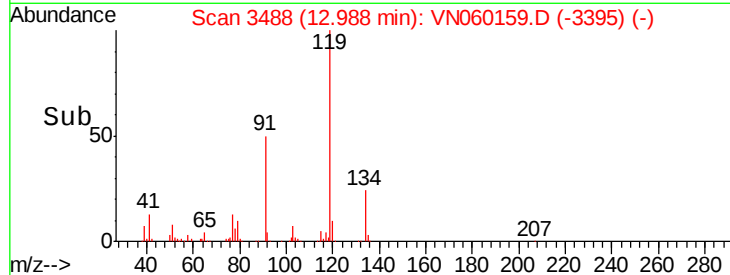
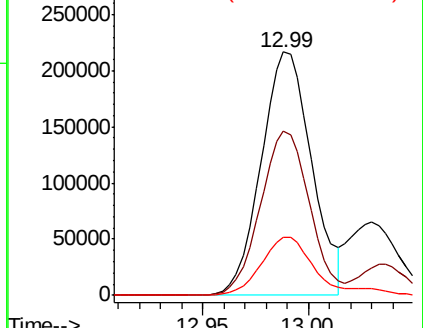
MSVOA_N

ClientSampleId :

Tot Ion:119	Resp:	361565
Ion Ratio	Lower	Upper
119	100	
91	65.7	32.7 98.1
134	25.8	12.9 38.7



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



#84

1,2,4-Trimethylbenzene

Concen: 47.241 ug/l

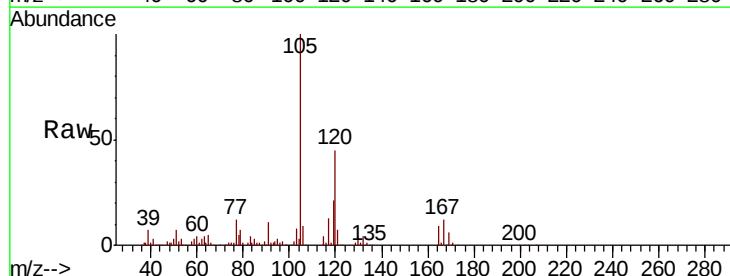
RT: 13.04 min Scan# 3503

Delta R.T. -0.00 min

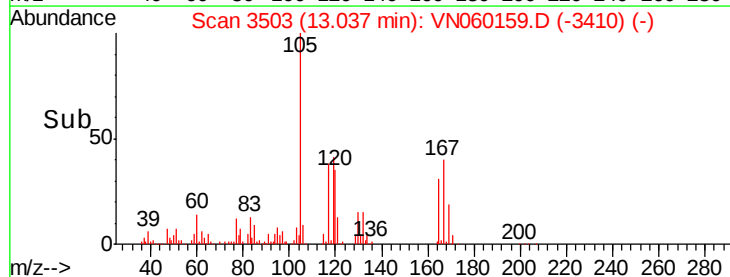
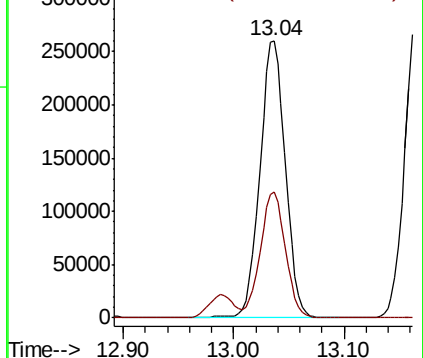
Lab File: VN060159.D

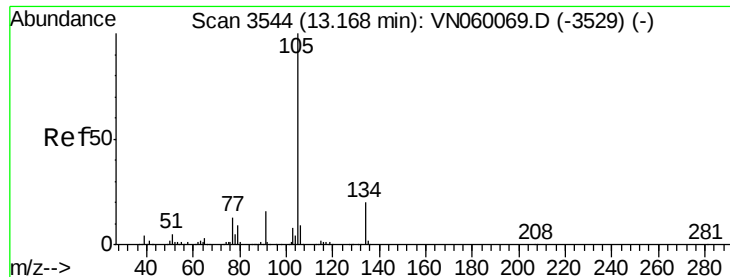
Acq: 19 Feb 2020 17:25

Tgt Ion:105	Resp:	417081
Ion Ratio	Lower	Upper
105	100	
120	44.7	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: 46.287 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN060159.D

Acq: 19 Feb 2020 17:25

Instrument :

MSVOA_N

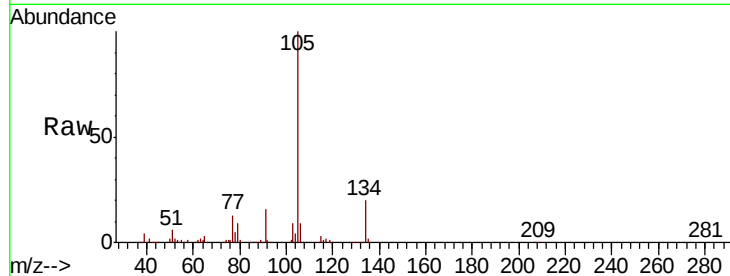
ClientSampleId :

Tot Ion:105 Resp: 485009

Ion Ratio Lower Upper

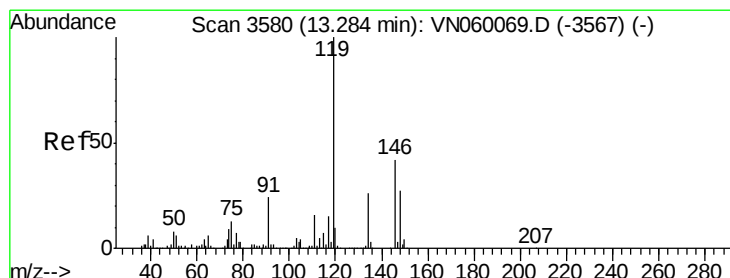
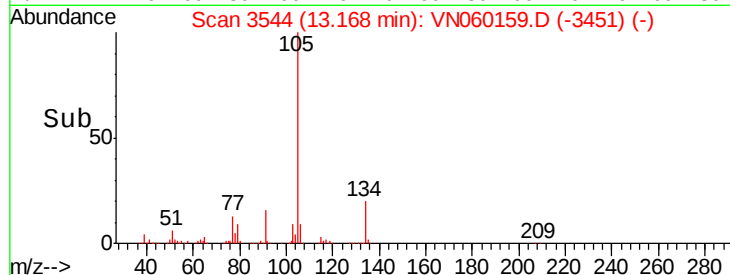
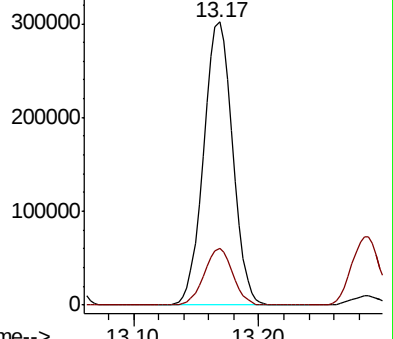
105 100

134 19.6 9.9 29.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 46.413 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN060159.D

Acq: 19 Feb 2020 17:25

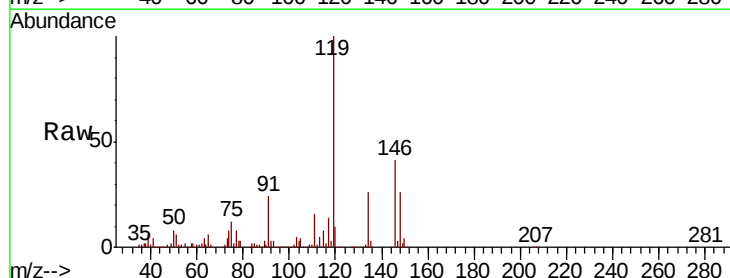
Tgt Ion:119 Resp: 440630

Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.8

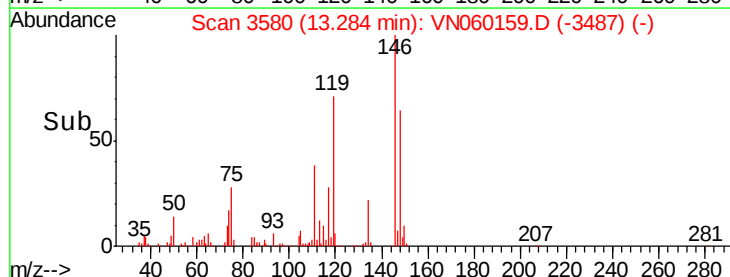
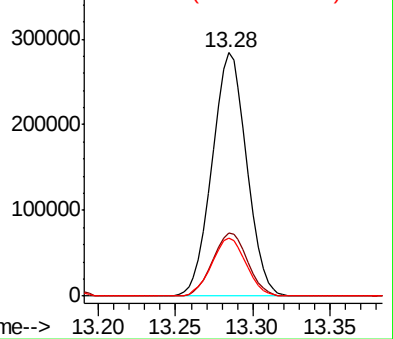
91 24.0 11.9 35.9



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





#87

1,3-Dichlorobenzene

Concen: 47.364 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. -0.00 min

Lab File: VN060159.D

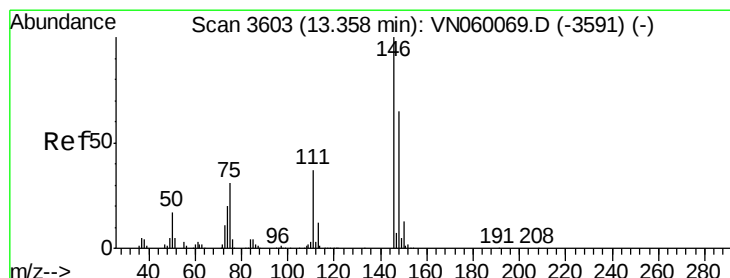
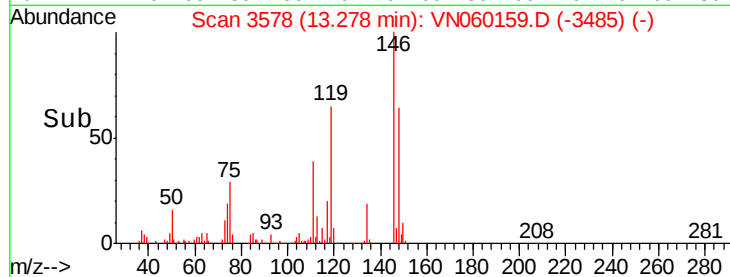
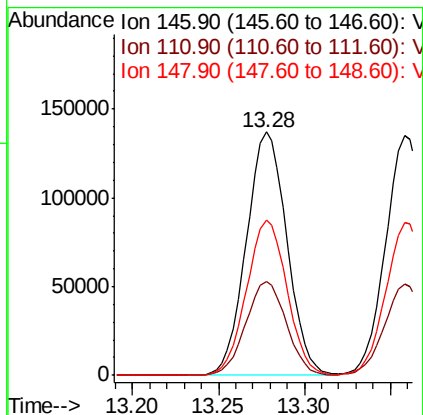
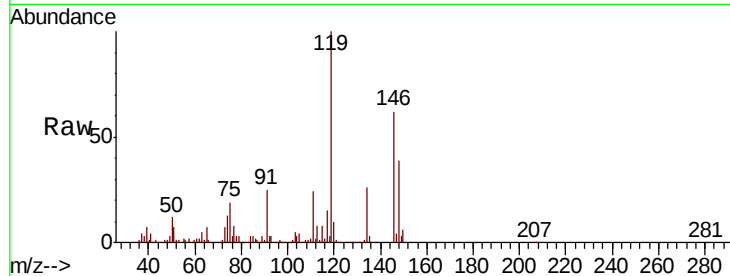
Acq: 19 Feb 2020 17:25

Instrument :

MSVOA_N

ClientSampled :

Tot Ion:	146	Resp:	223815
Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.8	59.3
148	63.8	32.0	96.2



#88

1,4-Dichlorobenzene

Concen: 46.663 ug/l

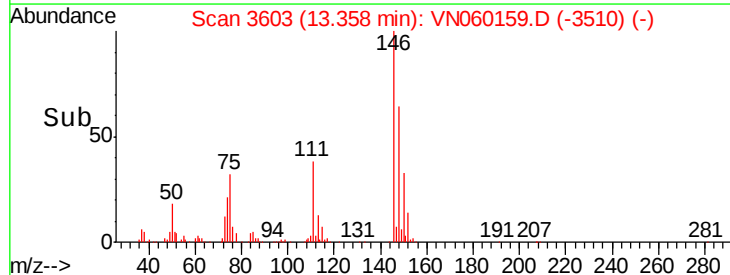
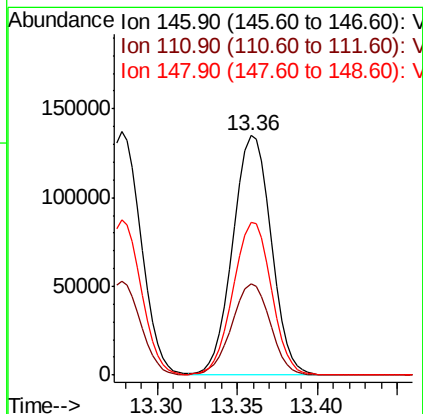
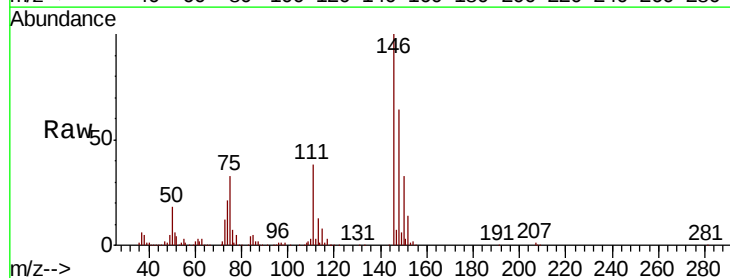
RT: 13.36 min Scan# 3603

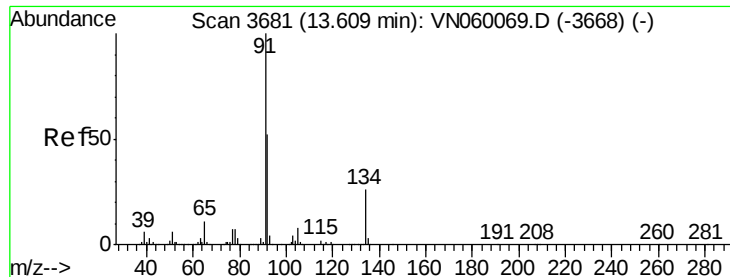
Delta R.T. -0.00 min

Lab File: VN060159.D

Acq: 19 Feb 2020 17:25

Tgt Ion:	146	Resp:	220457
Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.9	56.5
148	63.8	32.0	96.0

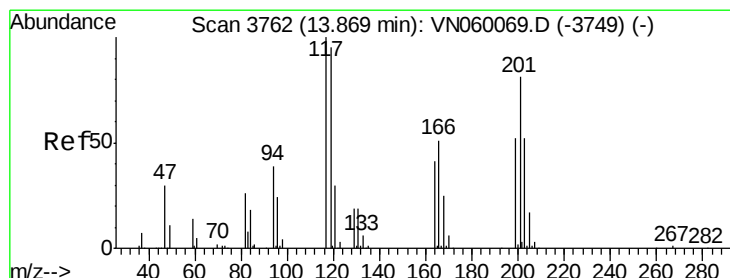
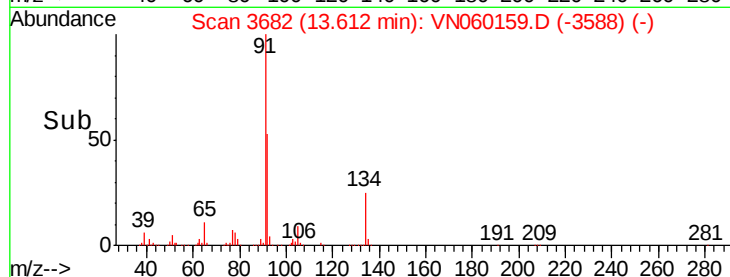
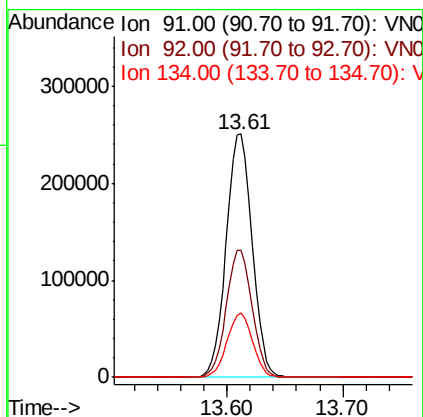
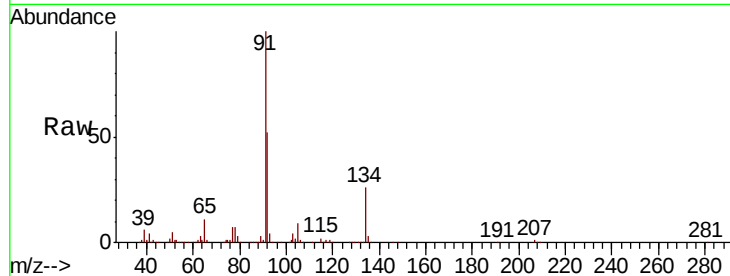




#89
n-Butylbenzene
Concen: 46.510 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060159.D
Acq: 19 Feb 2020 17:25

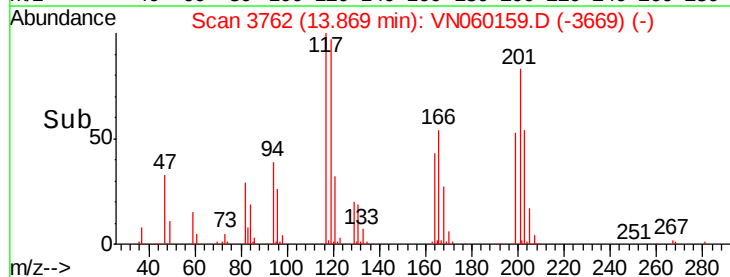
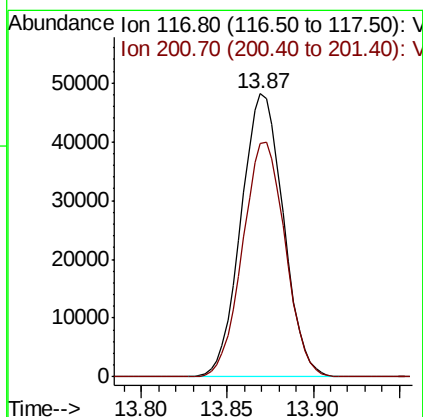
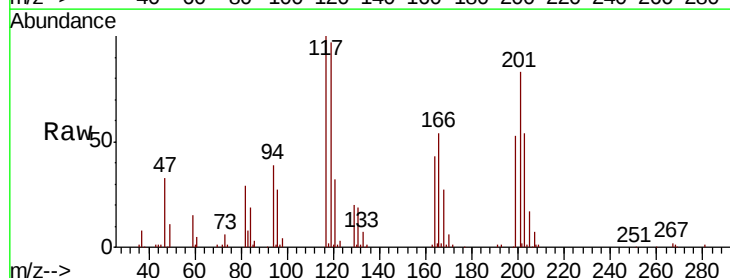
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 91 Resp: 388367
Ion Ratio Lower Upper
91 100
92 52.0 26.1 78.2
134 26.0 13.1 39.3



#90
Hexachloroethane
Concen: 46.457 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN060159.D
Acq: 19 Feb 2020 17:25

Tgt Ion: 117 Resp: 82396
Ion Ratio Lower Upper
117 100
201 83.5 41.7 125.1





#91

1,2-Dichlorobenzene

Concen: 47.045 ug/l

RT: 13.65 min Scan# 3693

Delta R.T. -0.00 min

Lab File: VN060159.D

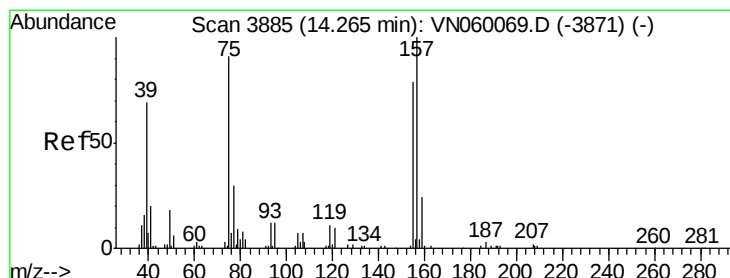
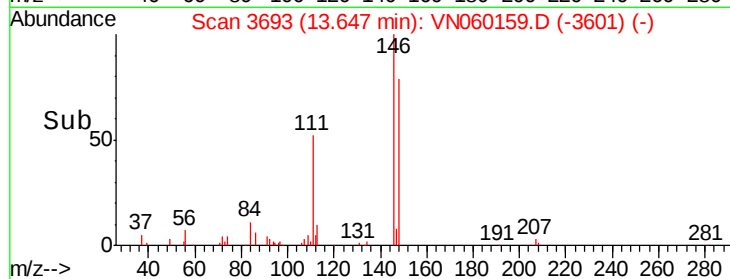
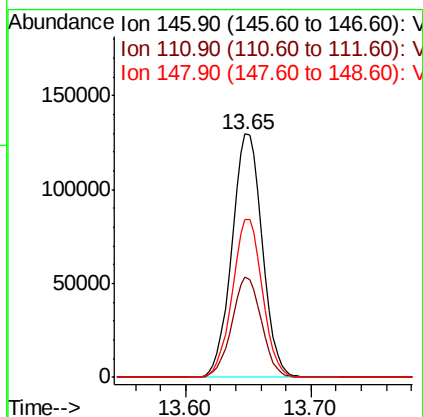
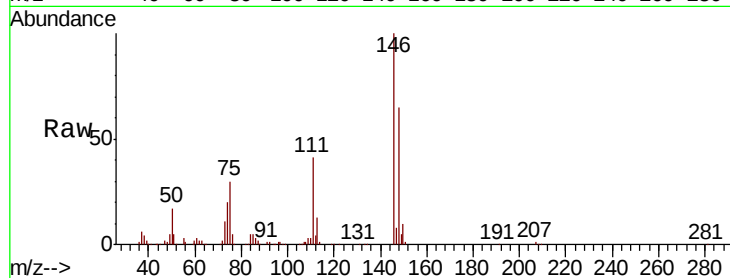
Acq: 19 Feb 2020 17:25

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:	146	Resp:	217558
Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.1	60.2
148	64.4	31.9	95.5



#92

1,2-Dibromo-3-Chloropropane

Concen: 49.773 ug/l

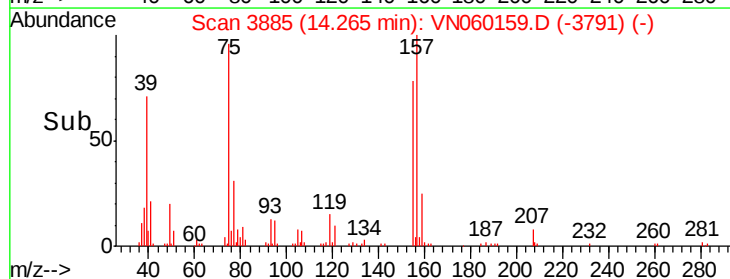
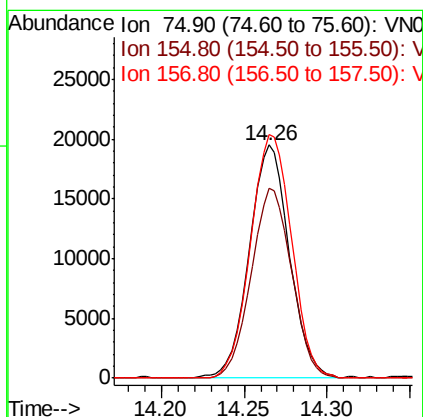
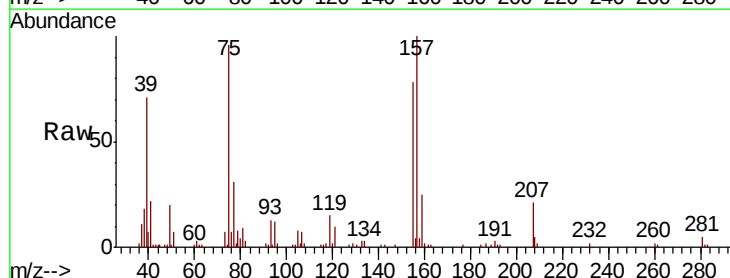
RT: 14.26 min Scan# 3885

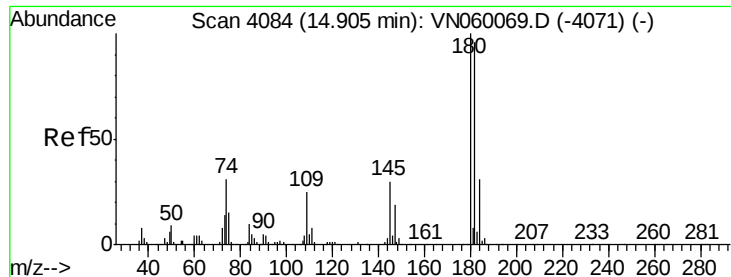
Delta R.T. 0.00 min

Lab File: VN060159.D

Acq: 19 Feb 2020 17:25

Tgt Ion:	75	Resp:	32770
Ion	Ratio	Lower	Upper
75	100		
155	82.0	43.0	129.0
157	106.9	54.9	164.5

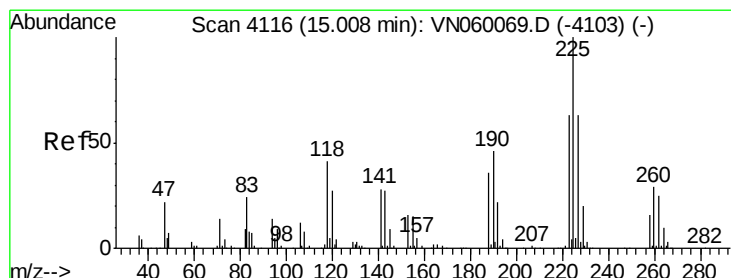
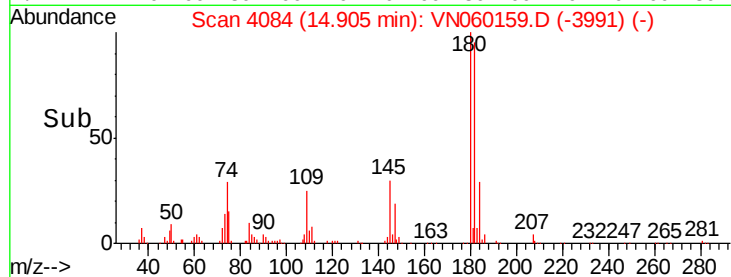
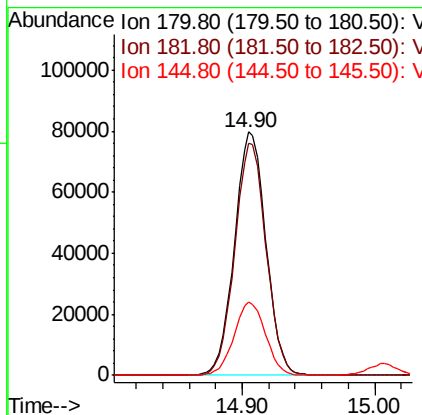
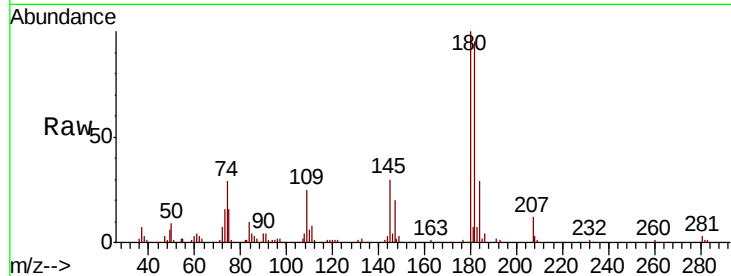




#93
 1,2,4-Trichlorobenzene
 Concen: 48.189 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN060159.D
 Acq: 19 Feb 2020 17:25

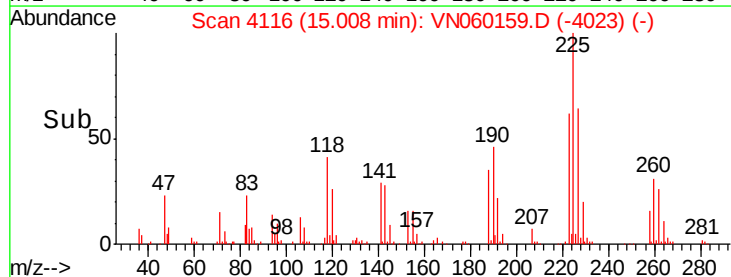
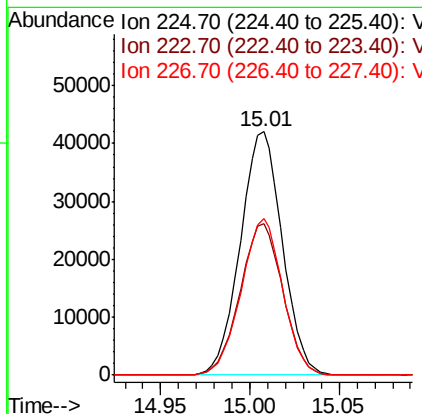
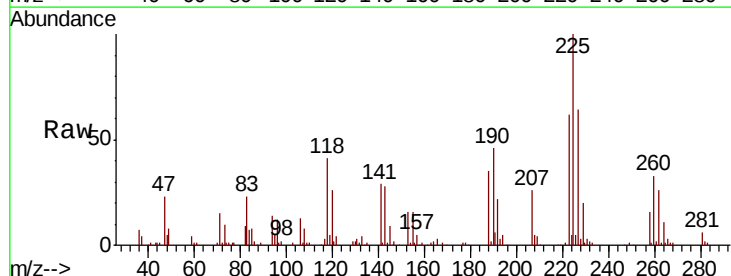
Instrument :
 MSVOA_N
 ClientSampleId :

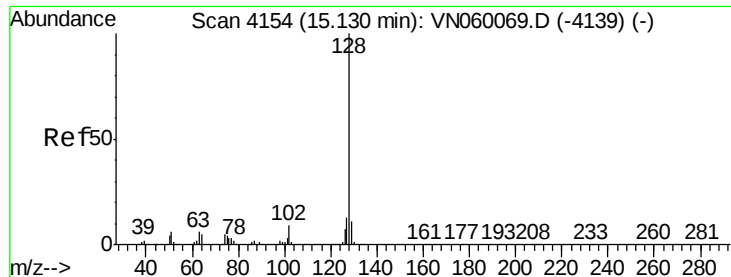
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.9	143.8
145	30.1	15.2	45.5



#94
 Hexachlorobutadiene
 Concen: 43.586 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN060159.D
 Acq: 19 Feb 2020 17:25

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.5	94.5
227	63.5	31.8	95.4





#95

Naphthalene

Concen: 48.880 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN060159.D

Acq: 19 Feb 2020 17:25

Instrument :

MSVOA_N

ClientSampleId :

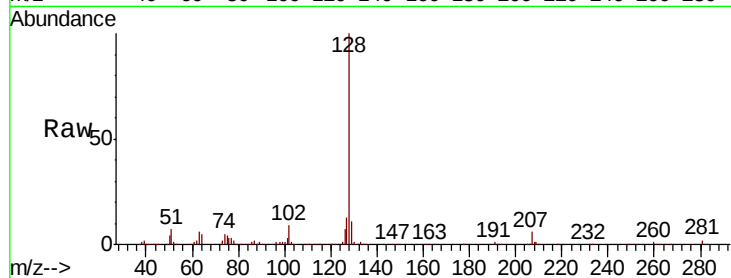
Tot Ion:128 Resp: 358781

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

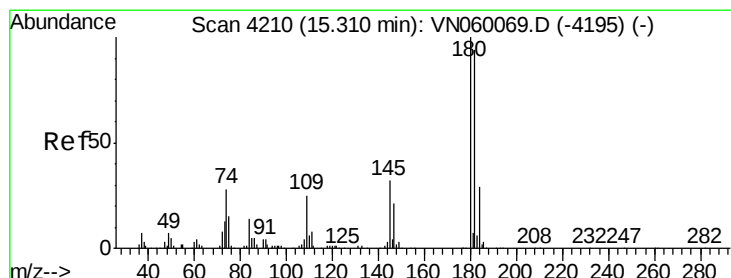
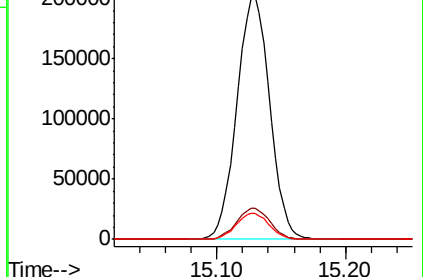
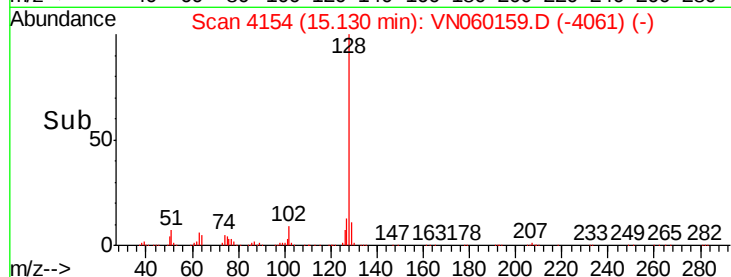
129 10.8 8.6 13.0



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: 46.640 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN060159.D

Acq: 19 Feb 2020 17:25

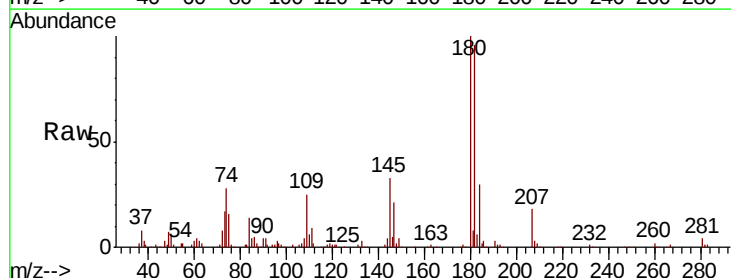
Tgt Ion:180 Resp: 126204

Ion Ratio Lower Upper

180 100

182 94.7 47.5 142.5

145 32.2 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

