

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021920\
 Data File : VN060157.D
 Acq On : 19 Feb 2020 15:40
 Operator : JC/MD
 Sample : VN0219WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 20 01:18:24 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	176287	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	282545	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	266425	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	128071	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	107835	50.27	ug/l	0.00
Spiked Amount			Recovery	=	100.54%	
35) Dibromofluoromethane	7.57	113	87614	50.45	ug/l	0.00
Spiked Amount			Recovery	=	100.90%	
50) Toluene-d8	10.08	98	335043	48.99	ug/l	0.00
Spiked Amount			Recovery	=	97.98%	
62) 4-Bromofluorobenzene	12.40	95	119926	47.72	ug/l	0.00
Spiked Amount			Recovery	=	95.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	35240	19.999	ug/l	99
3) Chloromethane	2.04	50	42533	20.283	ug/l	99
4) Vinyl Chloride	2.17	62	47085	19.699	ug/l	100
5) Bromomethane	2.55	94	28554	19.483	ug/l	96
6) Chloroethane	2.69	64	23841	19.721	ug/l	98
7) Trichlorofluoromethane	3.00	101	60224	19.543	ug/l	98
8) Diethyl Ether	3.39	74	19989	19.486	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	33456	19.554	ug/l	98
10) Methyl Iodide	3.93	142	44545	20.898	ug/l	99
11) Tert butyl alcohol	4.73	59	33614	104.715	ug/l	100
12) 1,1-Dichloroethene	3.72	96	32997	19.798	ug/l	99
13) Acrolein	3.58	56	29555	93.147	ug/l	96
14) Allyl chloride	4.30	41	51791	21.112	ug/l	89
15) Acrylonitrile	4.95	53	84296	107.529	ug/l	98
16) Acetone	3.78	43	73986	79.071	ug/l	99
17) Carbon Disulfide	4.03	76	92345	18.382	ug/l	100
18) Methyl Acetate	4.29	43	41668	23.706	ug/l	98
19) Methyl tert-butyl Ether	5.01	73	111350	19.866	ug/l	100
20) Methylene Chloride	4.52	84	36652	19.634	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	35671	19.633	ug/l	93
22) Diisopropyl ether	5.92	45	106343	19.780	ug/l	99
23) Vinyl Acetate	5.86	43	443130	98.149	ug/l	99
24) 1,1-Dichloroethane	5.82	63	64483	19.799	ug/l	99
25) 2-Butanone	6.80	43	111160	94.460	ug/l	96
26) 2,2-Dichloropropane	6.80	77	56491	18.261	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	41860	19.687	ug/l	98
28) Bromochloromethane	7.17	49	23851	18.628	ug/l	97
29) Tetrahydrofuran	7.18	42	74812	103.627	ug/l	99
30) Chloroform	7.35	83	67894	19.900	ug/l	100
31) Cyclohexane	7.63	56	58965	19.435	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	61976	19.879	ug/l	99
36) 1,1-Dichloropropene	7.77	75	49540	18.930	ug/l	99
37) Ethyl Acetate	6.90	43	47254	19.979	ug/l	99
38) Carbon Tetrachloride	7.75	117	53765	18.917	ug/l	96

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Quant Time: Feb 20 01:18:24 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)
39) Methylcyclohexane	9.07	83	59660	18.365	ug/l	96
40) Benzene	8.02	78	149316	19.234	ug/l	99
41) Methacrylonitrile	7.18	41	68940	69.503	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	53738	19.750	ug/l	100
43) Isopropyl Acetate	8.14	43	80647	19.947	ug/l	98
44) Trichloroethene	8.82	130	40658	18.914	ug/l	97
45) 1,2-Dichloropropane	9.10	63	38746	20.160	ug/l	97
46) Dibromomethane	9.19	93	26493	19.506	ug/l	98
47) Bromodichloromethane	9.39	83	53511	19.379	ug/l	98
48) Methyl methacrylate	9.18	41	34346	18.934	ug/l	98
49) 1,4-Dioxane	9.18	88	13568	437.759	ug/l	96
51) 4-Methyl-2-Pentanone	9.97	43	240843	102.914	ug/l	100
52) Toluene	10.14	92	94981	19.079	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	59027	18.938	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	64063	19.519	ug/l	95
55) 1,1,2-Trichloroethane	10.55	97	37721	19.422	ug/l	98
56) Ethyl methacrylate	10.42	69	54036	19.668	ug/l	97
57) 1,3-Dichloropropane	10.70	76	62724	19.573	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	124110	96.966	ug/l	99
59) 2-Hexanone	10.74	43	177250	98.049	ug/l	98
60) Dibromochloromethane	10.89	129	42286	18.973	ug/l	98
61) 1,2-Dibromoethane	10.99	107	38577	18.948	ug/l	96
64) Tetrachloroethene	10.62	164	34869	17.216	ug/l	99
65) Chlorobenzene	11.43	112	101852	18.764	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	39235	19.107	ug/l	99
67) Ethyl Benzene	11.50	91	181629	18.553	ug/l	99
68) m/p-Xylenes	11.62	106	136058	37.030	ug/l	100
69) o-Xylene	11.94	106	65755	18.587	ug/l	99
70) Styrene	11.96	104	104662	18.346	ug/l	99
71) Bromoform	12.12	173	30810	18.655	ug/l #	99
73) Isopropylbenzene	12.24	105	176722	18.478	ug/l	99
74) N-amyl acetate	12.06	43	67309	19.518	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	56178	20.408	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	72691	29.666	ug/l #	100
77) Bromobenzene	12.52	156	44959	18.943	ug/l	99
78) n-propylbenzene	12.59	91	200499	18.401	ug/l	99
79) 2-Chlorotoluene	12.67	91	118502	18.503	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	148919	18.728	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	18654	18.641	ug/l	98
82) 4-Chlorotoluene	12.77	91	121649	18.514	ug/l	98
83) tert-Butylbenzene	12.99	119	129489	18.408	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	147279	18.763	ug/l	100
85) sec-Butylbenzene	13.17	105	171077	18.364	ug/l	100
86) p-Isopropyltoluene	13.28	119	156150	18.500	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	77985	18.562	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	76035	18.102	ug/l	97
89) n-Butylbenzene	13.61	91	132208	17.808	ug/l	100
90) Hexachloroethane	13.87	117	29156	18.490	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	77564	18.865	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	11478	19.134	ug/l	98

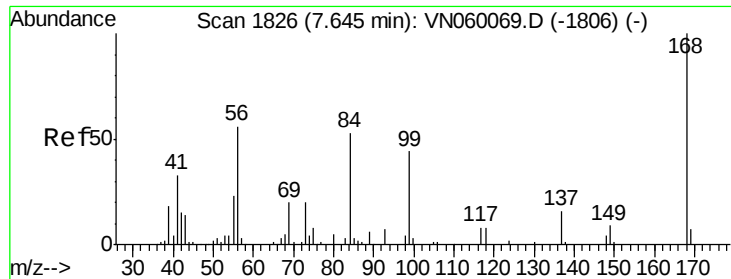
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Quant Title : SW846 8260
QLast Update : Wed Feb 12 14:12:21 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	44346	18.357	ug/l	98
94) Hexachlorobutadiene	15.00	225	24716	17.476	ug/l	99
95) Naphthalene	15.13	128	120219	18.422	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	45196	18.787	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN060157.D

Acq: 19 Feb 2020 15:40

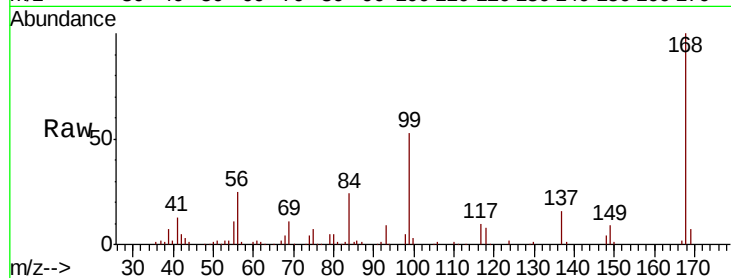
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 176287

Ion Ratio Lower Upper

168 100

99 52.6 42.7 64.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

60000

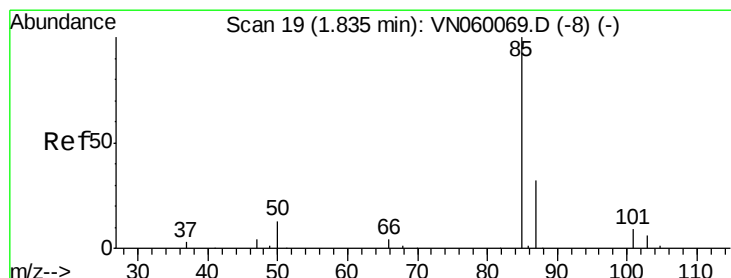
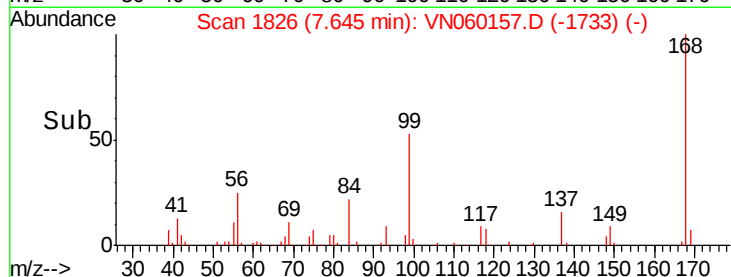
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 19.999 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060157.D

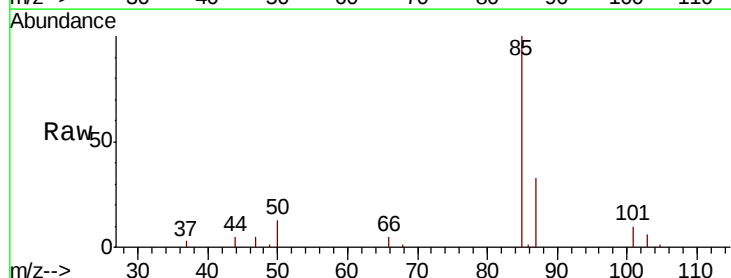
Acq: 19 Feb 2020 15:40

Tgt Ion: 85 Resp: 35240

Ion Ratio Lower Upper

85 100

87 32.7 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

30000

25000

20000

15000

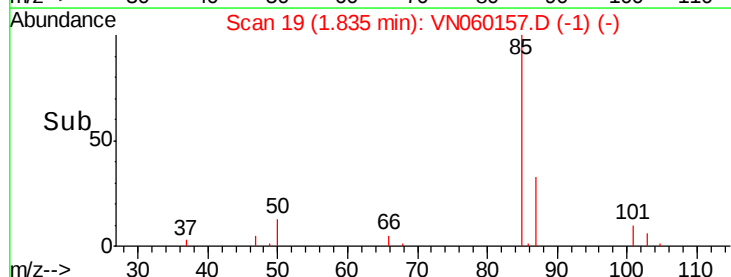
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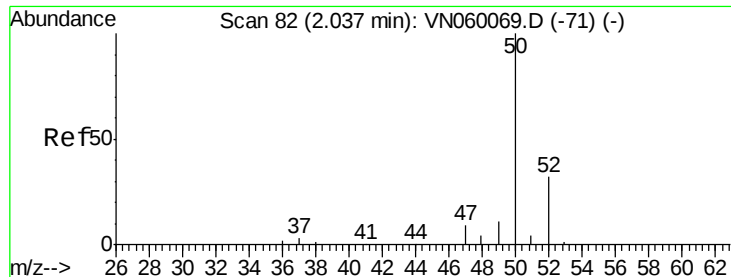
5000

0

1.80 1.85 1.90

Time-->

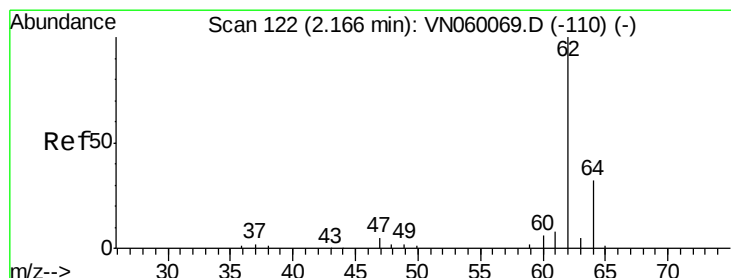
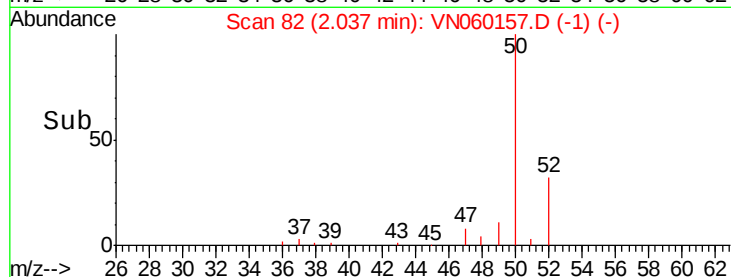
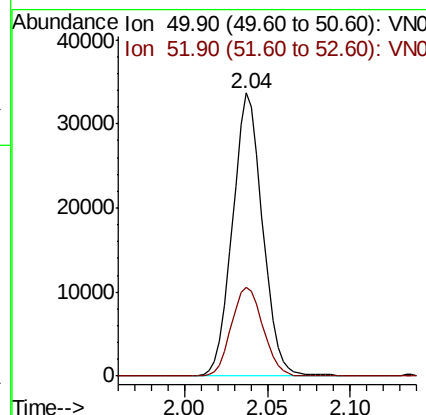
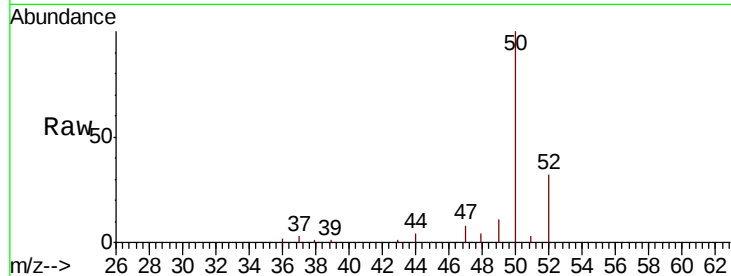




#3
 Chloromethane
 Concen: 20.283 ug/l
 RT: 2.04 min Scan# 82
 Delta R.T. 0.00 min
 Lab File: VN060157.D
 Acq: 19 Feb 2020 15:40

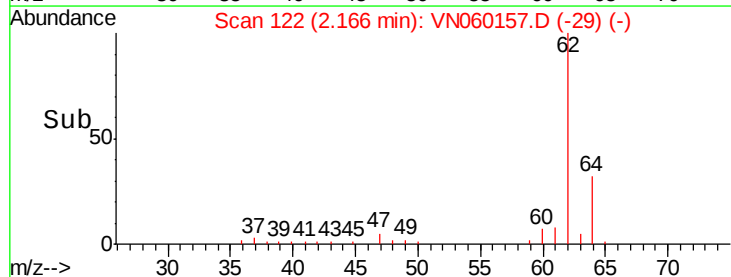
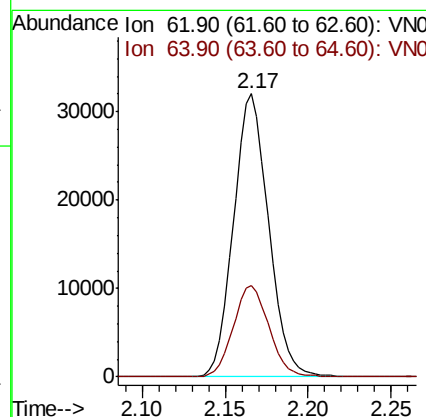
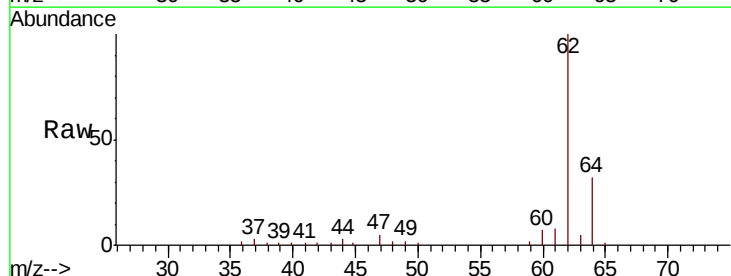
Instrument :
 MSVOA_N
 ClientSampleId :

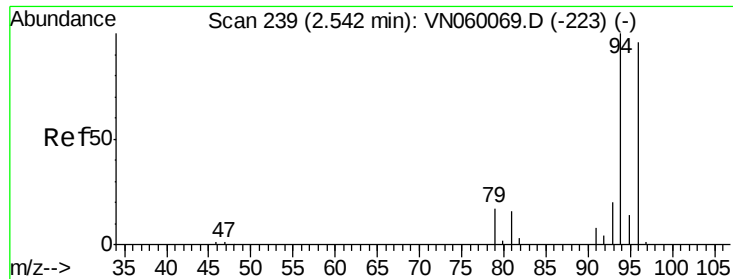
Tot Ion: 50 Resp: 42533
 Ion Ratio Lower Upper
 50 100
 52 31.6 25.6 38.4



#4
 Vinyl Chloride
 Concen: 19.699 ug/l
 RT: 2.17 min Scan# 122
 Delta R.T. 0.00 min
 Lab File: VN060157.D
 Acq: 19 Feb 2020 15:40

Tgt Ion: 62 Resp: 47085
 Ion Ratio Lower Upper
 62 100
 64 32.4 25.9 38.9

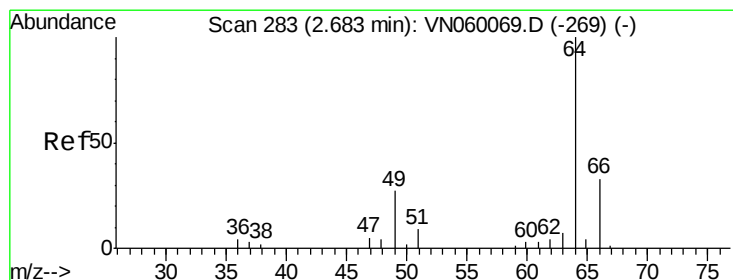
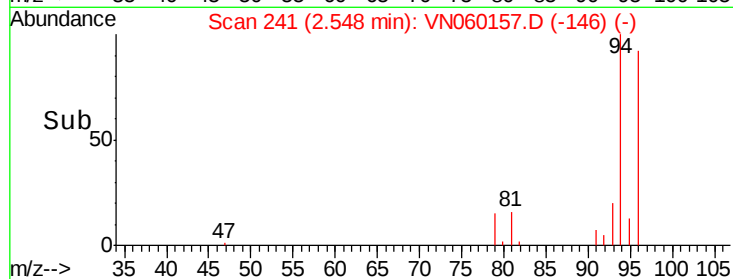
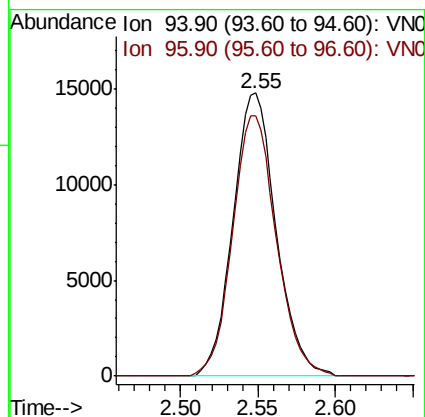
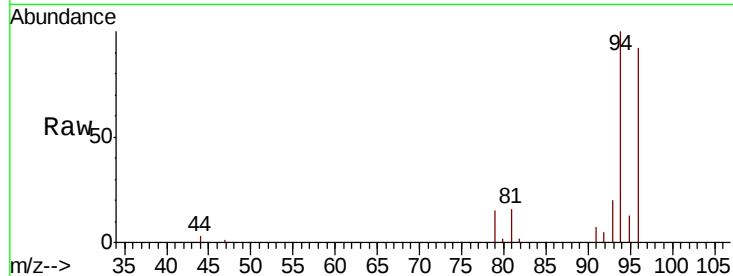




#5
Bromomethane
Concen: 19.483 ug/l
RT: 2.55 min Scan# 241
Delta R.T. 0.01 min
Lab File: VN060157.D
Acq: 19 Feb 2020 15:40

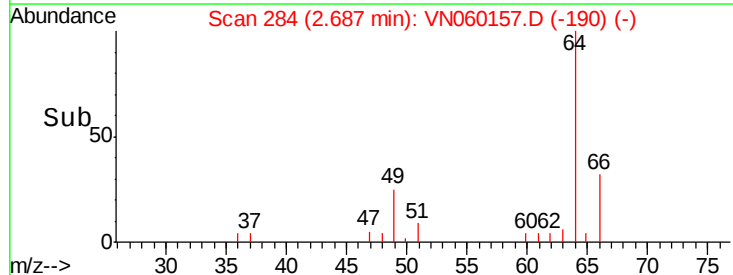
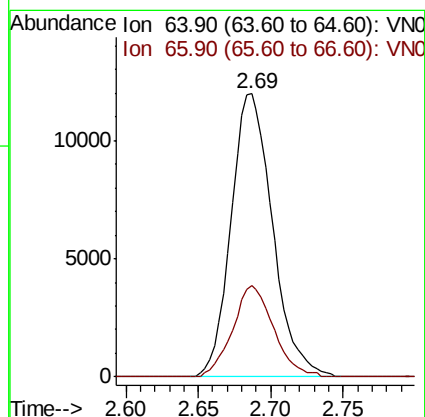
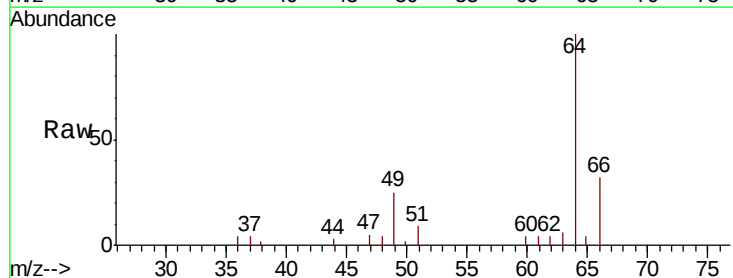
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 94 Resp: 28554
Ion Ratio Lower Upper
94 100
96 92.1 76.7 115.1



#6
Chloroethane
Concen: 19.721 ug/l
RT: 2.69 min Scan# 284
Delta R.T. 0.00 min
Lab File: VN060157.D
Acq: 19 Feb 2020 15:40

Tgt Ion: 64 Resp: 23841
Ion Ratio Lower Upper
64 100
66 32.2 26.6 40.0



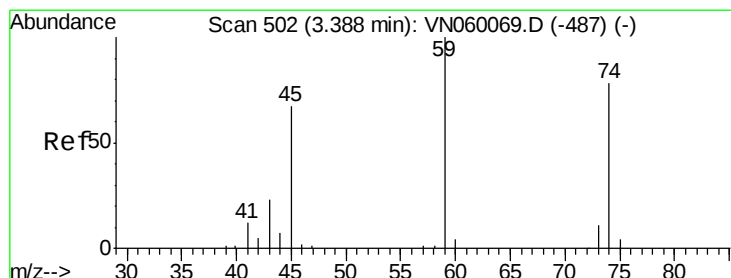
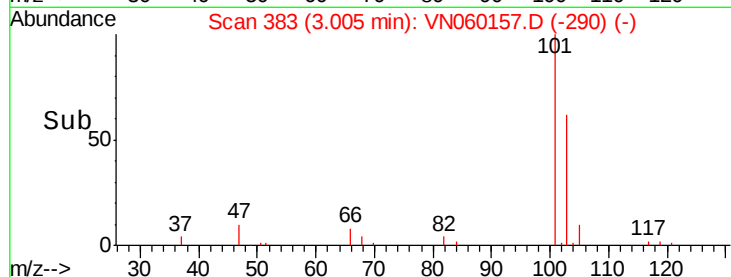
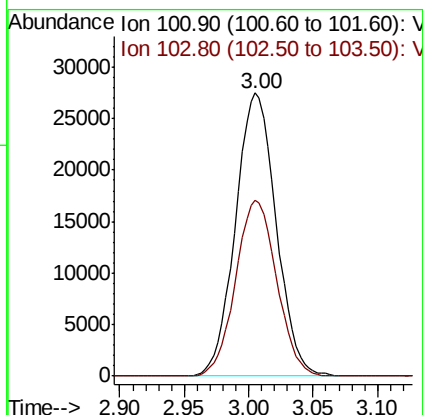
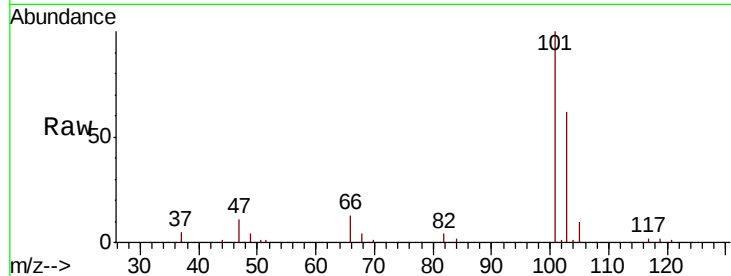


#7

Trichlorofluoromethane
 Concen: 19.543 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VN060157.D
 Acq: 19 Feb 2020 15:40

Instrument :
 MSVOA_N
 ClientSampled :

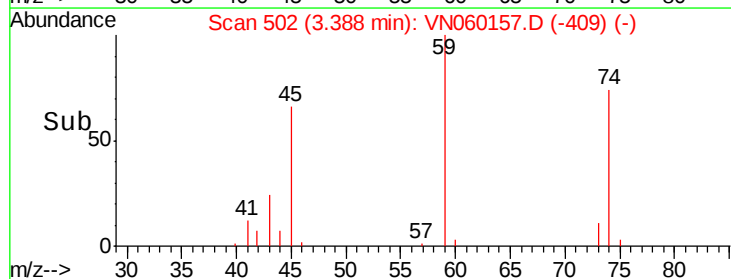
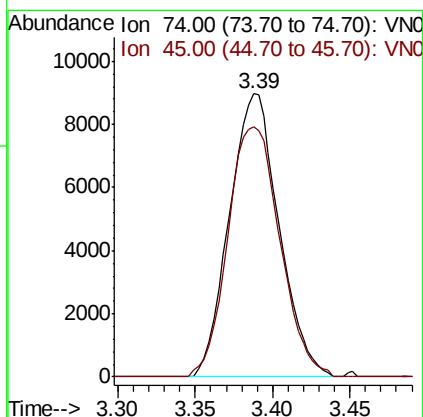
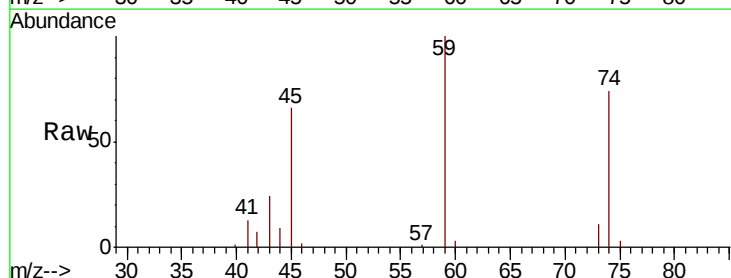
Tot Ion:101 Resp: 60224
 Ion Ratio Lower Upper
 101 100
 103 62.3 51.0 76.6



#8

Diethyl Ether
 Concen: 19.486 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. 0.00 min
 Lab File: VN060157.D
 Acq: 19 Feb 2020 15:40

Tgt Ion: 74 Resp: 19989
 Ion Ratio Lower Upper
 74 100
 45 92.7 44.7 134.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.554 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN060157.D

Acq: 19 Feb 2020 15:40

Instrument :

MSVOA_N

ClientSampled :

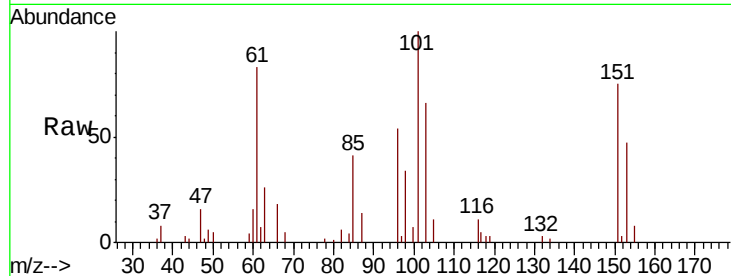
Tot Ion:101 Resp: 33456

Ion Ratio Lower Upper

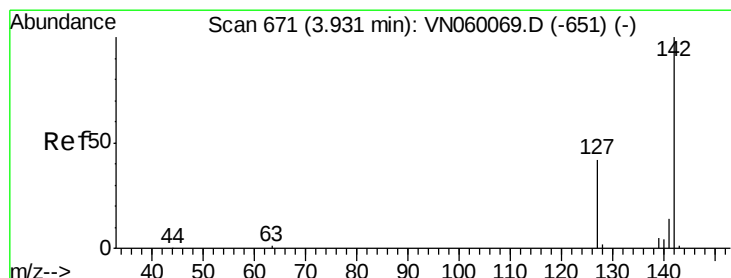
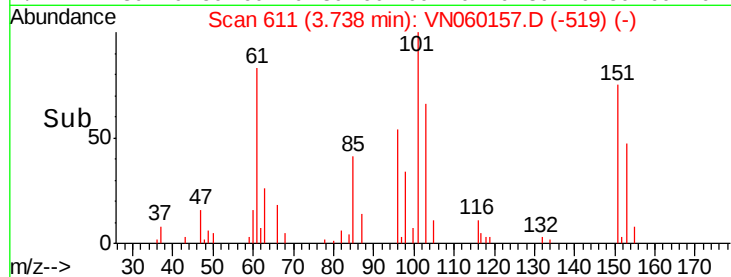
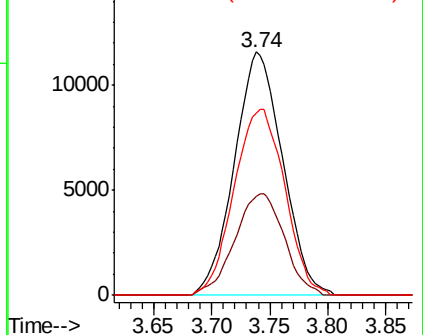
101 100

85 42.8 35.1 52.7

151 80.4 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: 20.898 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN060157.D

Acq: 19 Feb 2020 15:40

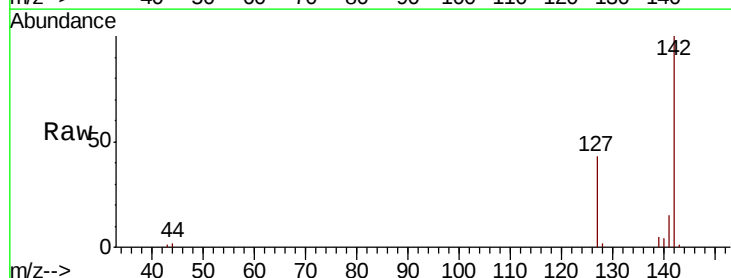
Tgt Ion:142 Resp: 44545

Ion Ratio Lower Upper

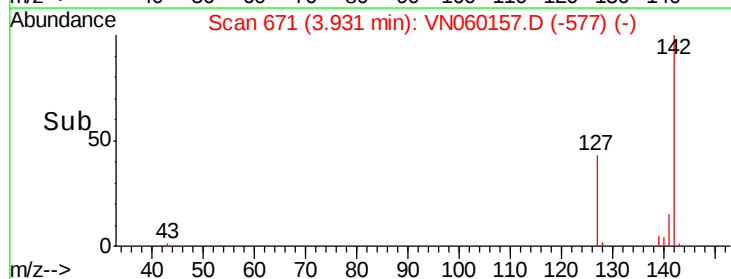
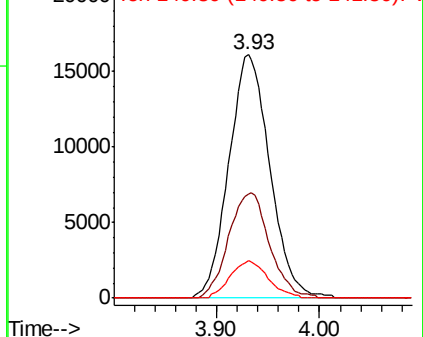
142 100

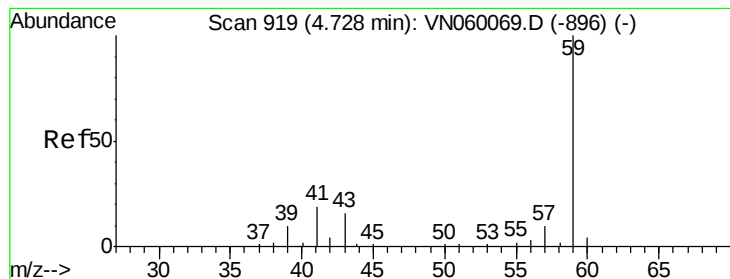
127 43.1 33.6 50.4

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: 104.715 ug/l

RT: 4.73 min Scan# 919

Delta R.T. 0.00 min

Lab File: VN060157.D

Acq: 19 Feb 2020 15:40

Instrument :

MSVOA_N

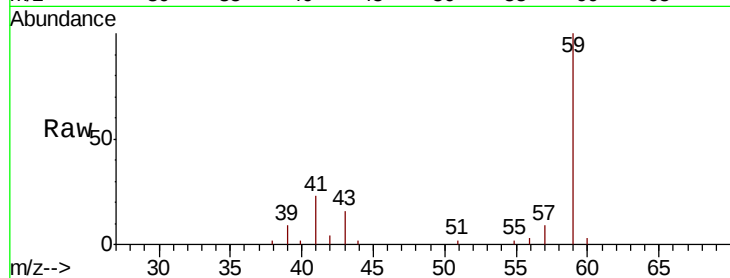
ClientSampled :

Tot Ion: 59 Resp: 33614

Ion Ratio Lower Upper

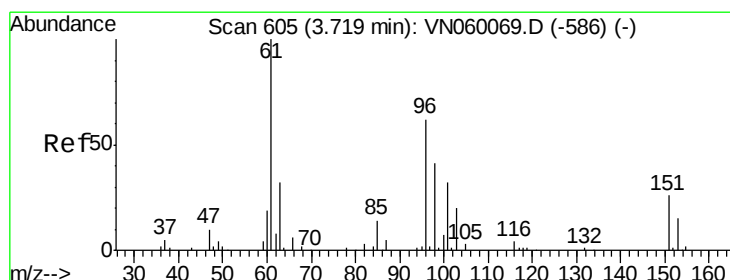
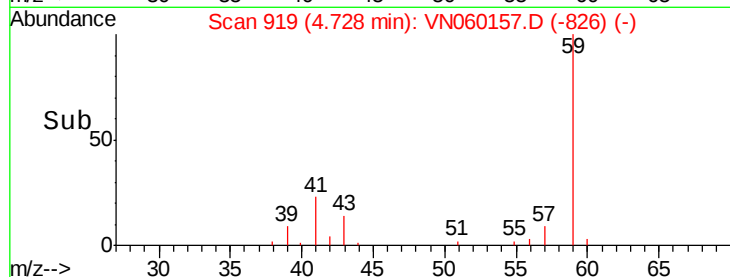
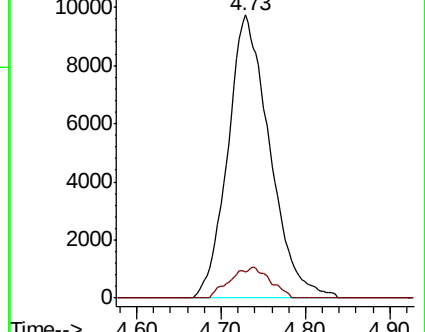
59 100

57 10.4 8.2 12.4



Abundance Ion 59.00 (58.70 to 59.70): VN060157.D (-826) (-)

Ion 57.00 (56.70 to 57.70): VN060157.D (-826) (-)



#12

1,1-Dichloroethene

Concen: 19.798 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN060157.D

Acq: 19 Feb 2020 15:40

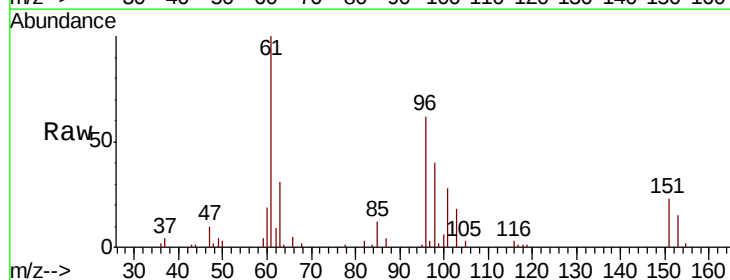
Tgt Ion: 96 Resp: 32997

Ion Ratio Lower Upper

96 100

61 161.5 128.3 192.5

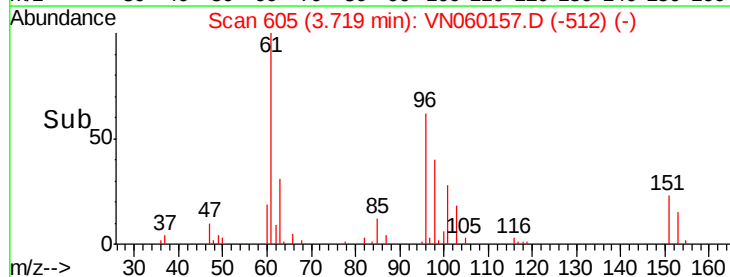
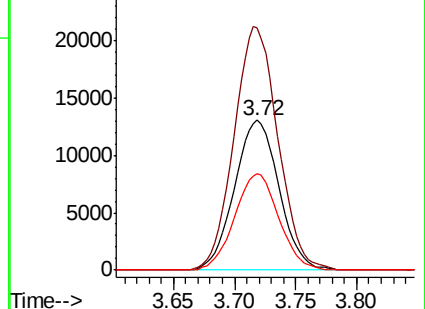
98 64.5 52.2 78.4

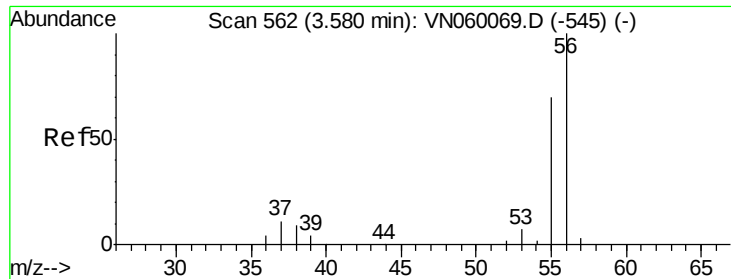


Abundance Ion 95.90 (95.60 to 96.60): VN060157.D (-512) (-)

Ion 60.90 (60.60 to 61.60): VN060157.D (-512) (-)

Ion 97.90 (97.60 to 98.60): VN060157.D (-512) (-)





#13

Acrolein

Concen: 93.147 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN060157.D

Acq: 19 Feb 2020 15:40

Instrument :

MSVOA_N

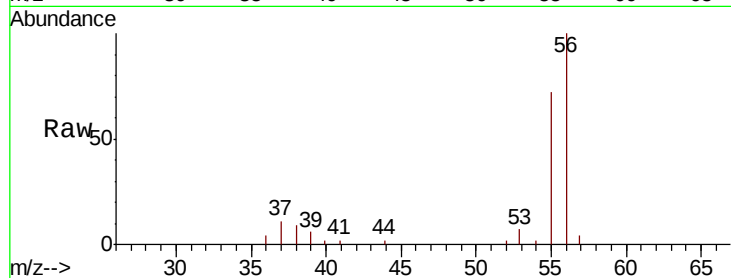
ClientSampled :

Tot Ion: 56 Resp: 29555

Ion Ratio Lower Upper

56 100

55 71.8 54.8 82.2



Abundance Ion 56.00 (55.70 to 56.70): VN060157.D (-469) (-)

Ion 55.00 (54.70 to 55.70): VN060157.D (-469) (-)

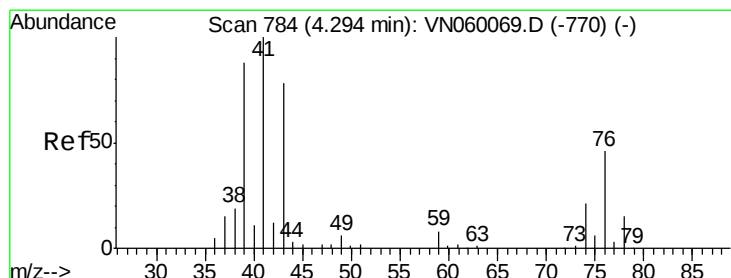
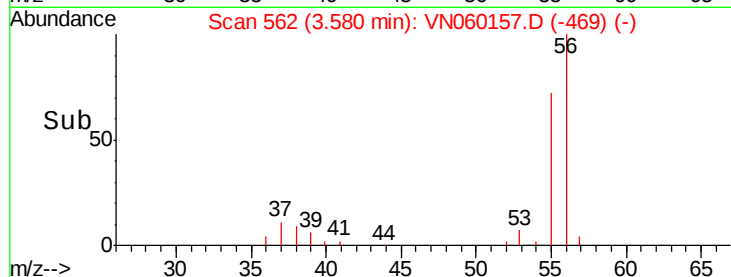
3.58

10000

5000

0

Time-->



#14

Allyl chloride

Concen: 21.112 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN060157.D

Acq: 19 Feb 2020 15:40

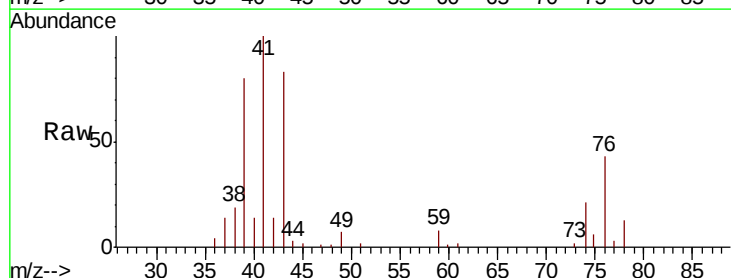
Tgt Ion: 41 Resp: 51791

Ion Ratio Lower Upper

41 100

39 73.1 67.8 101.8

76 37.3 33.9 50.9



Abundance Ion 41.00 (40.70 to 41.70): VN060157.D (-691) (-)

Ion 39.00 (38.70 to 39.70): VN060157.D (-691) (-)

Ion 75.90 (75.60 to 76.60): VN060157.D (-691) (-)

4.30

20000

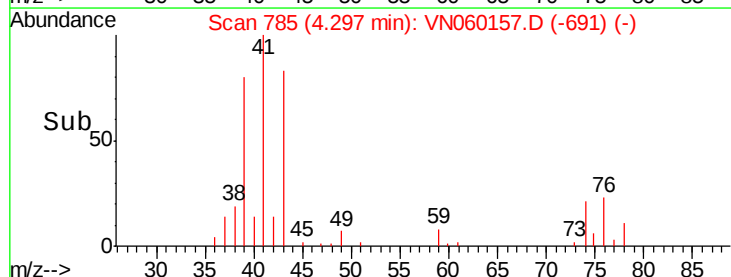
15000

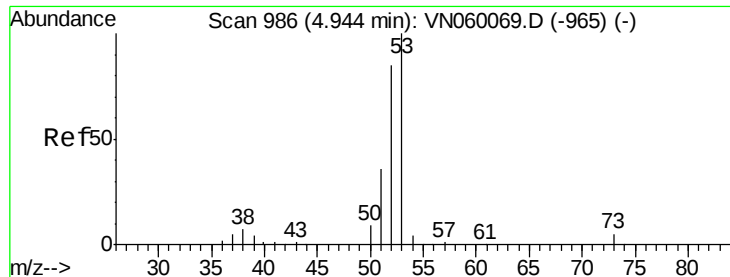
10000

5000

0

Time-->





#15

Acrylonitrile

Concen: 107.529 ug/l

RT: 4.95 min Scan# 988

Delta R.T. 0.01 min

Lab File: VN060157.D

Acq: 19 Feb 2020 15:40

Instrument :

MSVOA_N

ClientSampleId :

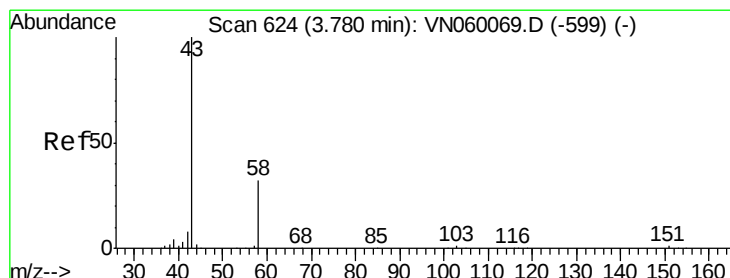
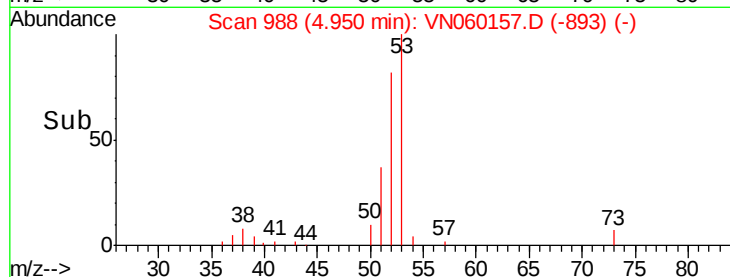
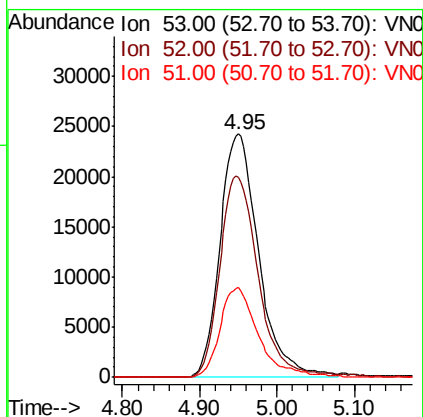
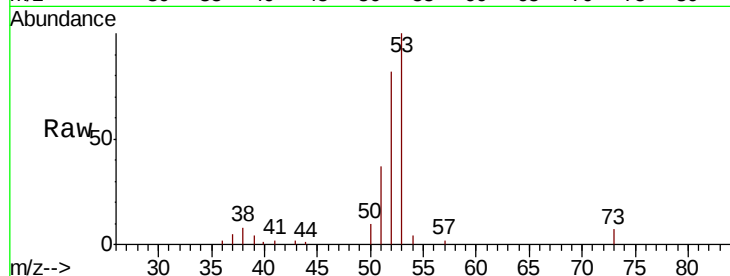
Tot Ion: 53 Resp: 84296

Ion Ratio Lower Upper

53 100

52 81.5 66.8 100.2

51 36.7 29.4 44.0



#16

Acetone

Concen: 79.071 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.00 min

Lab File: VN060157.D

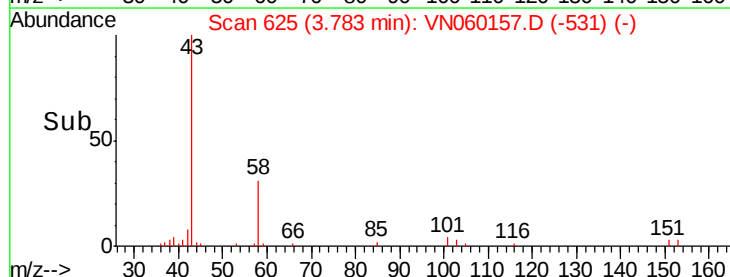
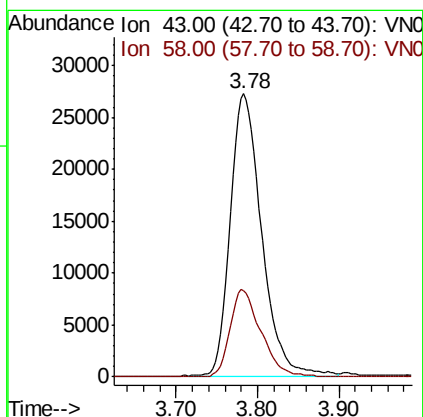
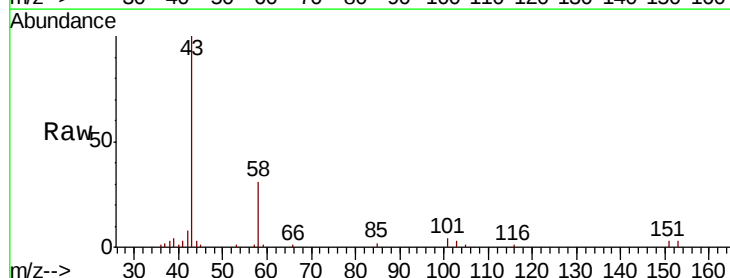
Acq: 19 Feb 2020 15:40

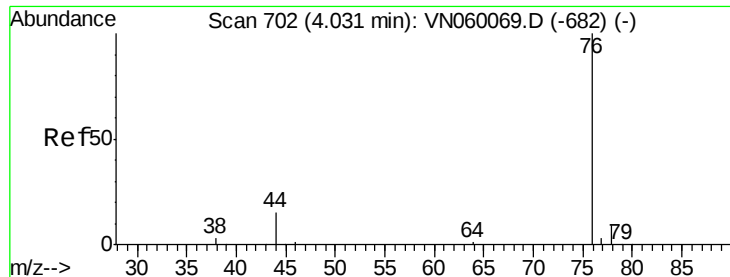
Tgt Ion: 43 Resp: 73986

Ion Ratio Lower Upper

43 100

58 30.7 25.2 37.8

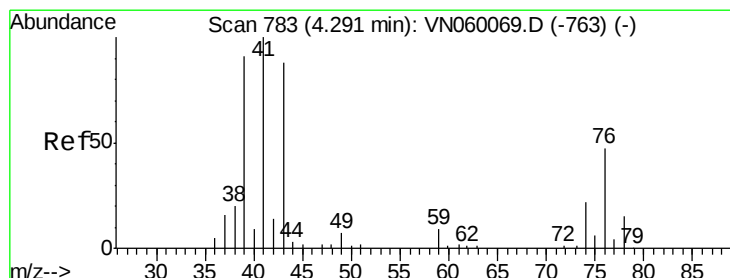
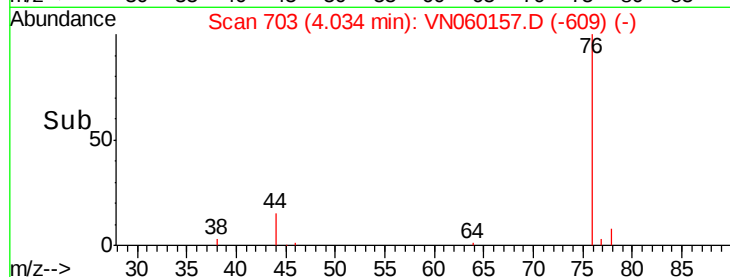
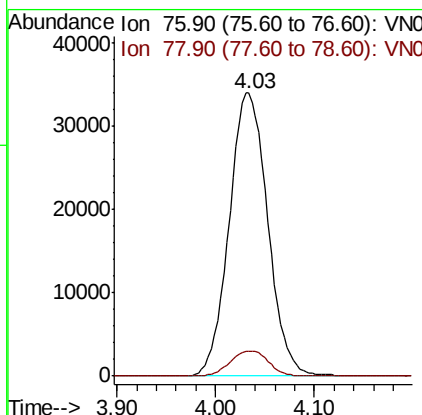
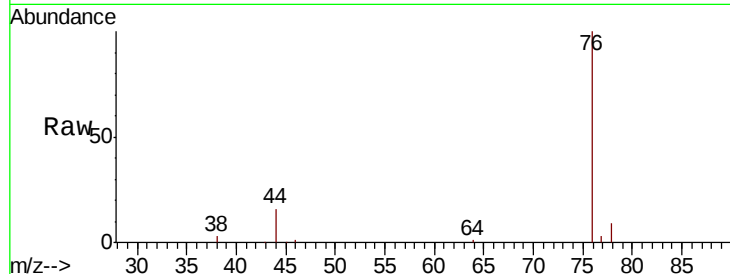




#17
Carbon Disulfide
Concen: 18.382 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.00 min
Lab File: VN060157.D
Acq: 19 Feb 2020 15:40

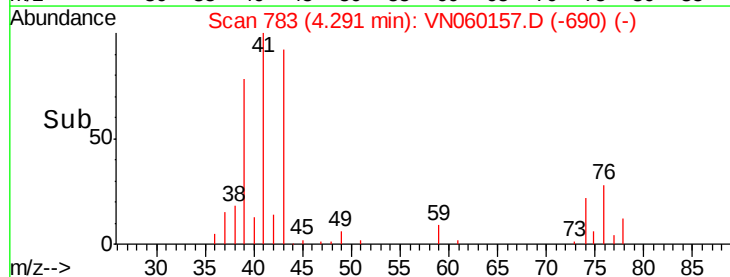
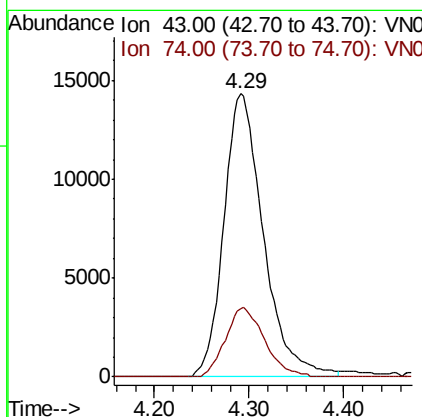
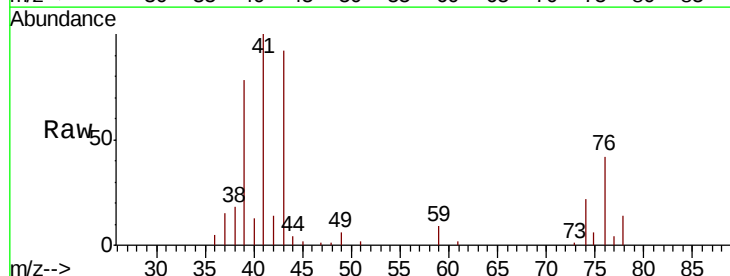
Instrument :
MSVOA_N
ClientSampleId :

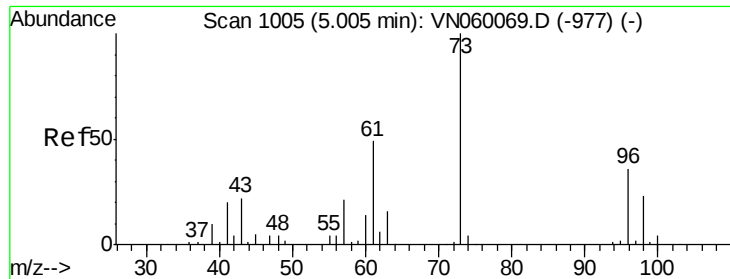
Tot Ion: 76 Resp: 92345
Ion Ratio Lower Upper
76 100
78 8.9 7.0 10.6



#18
Methyl Acetate
Concen: 23.706 ug/l
RT: 4.29 min Scan# 783
Delta R.T. 0.00 min
Lab File: VN060157.D
Acq: 19 Feb 2020 15:40

Tgt Ion: 43 Resp: 41668
Ion Ratio Lower Upper
43 100
74 24.2 20.3 30.5

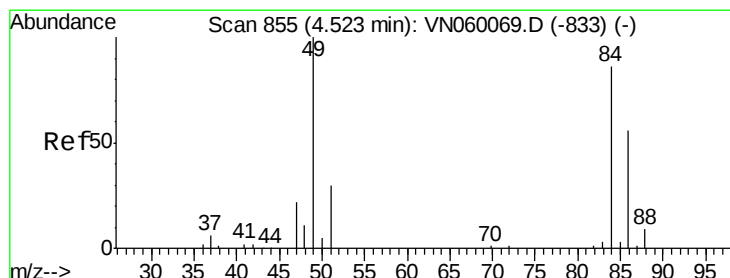
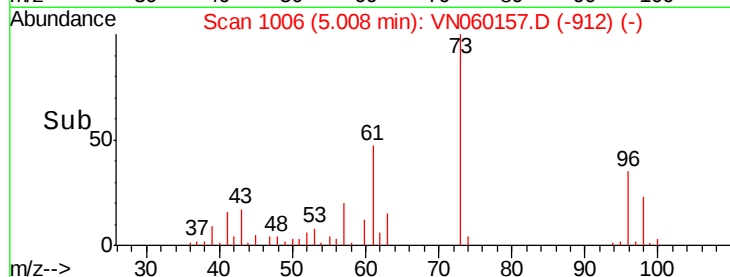
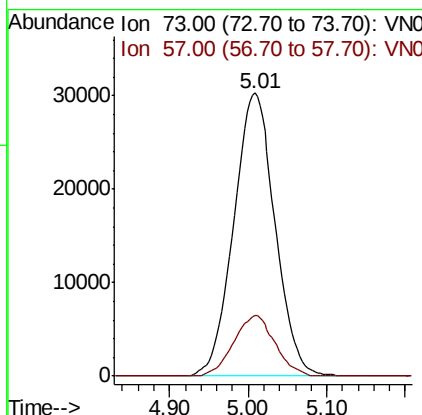
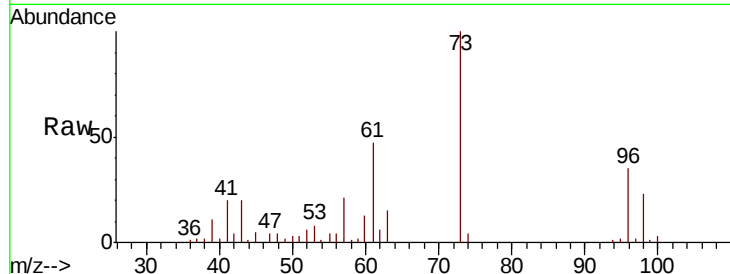




#19
Methvl tert-butvl Ether
Concen: 19.866 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. 0.00 min
Lab File: VN060157.D
Acq: 19 Feb 2020 15:40

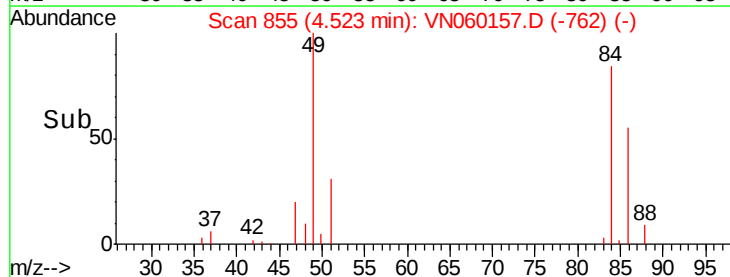
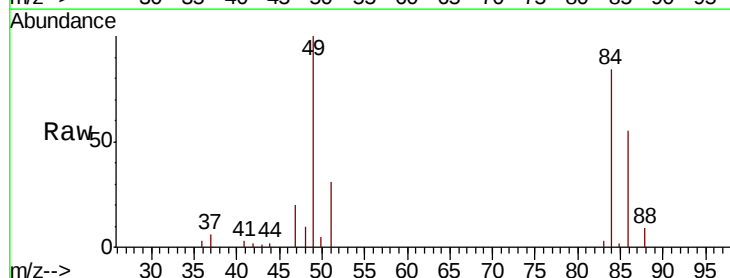
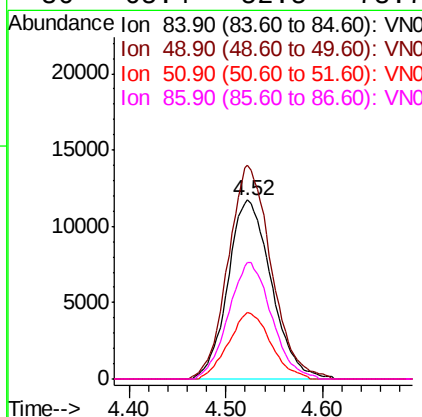
Instrument :
MSVOA_N
ClientSampleId :

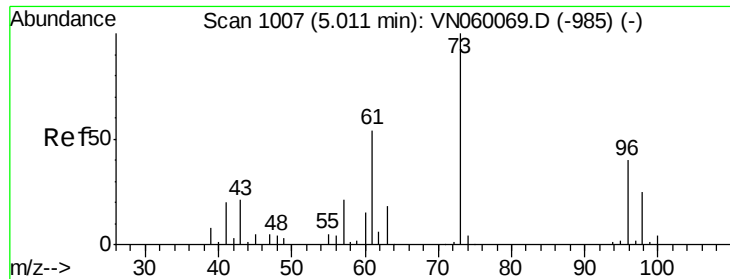
Tot Ion: 73 Resp: 111350
Ion Ratio Lower Upper
73 100
57 21.5 17.2 25.8



#20
Methylene Chloride
Concen: 19.634 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN060157.D
Acq: 19 Feb 2020 15:40

Tgt Ion: 84 Resp: 36652
Ion Ratio Lower Upper
84 100
49 119.5 93.4 140.0
51 37.0 28.4 42.6
86 65.4 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 19.633 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. 0.00 min

Lab File: VN060157.D

Acq: 19 Feb 2020 15:40

Instrument :

MSVOA_N

ClientSampleId :

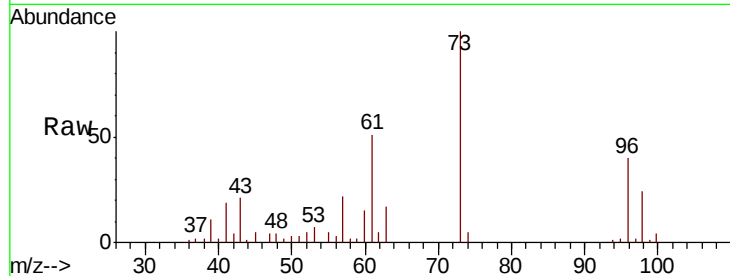
Tot Ion: 96 Resp: 35671

Ion Ratio Lower Upper

96 100

61 128.2 109.3 163.9

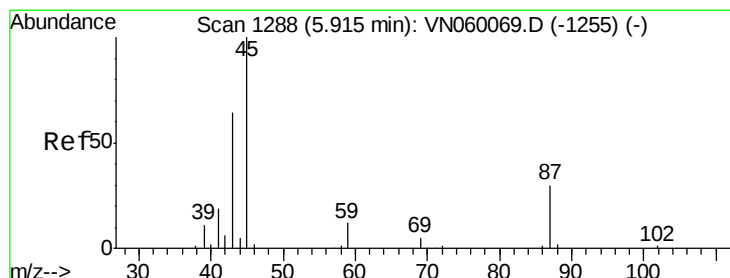
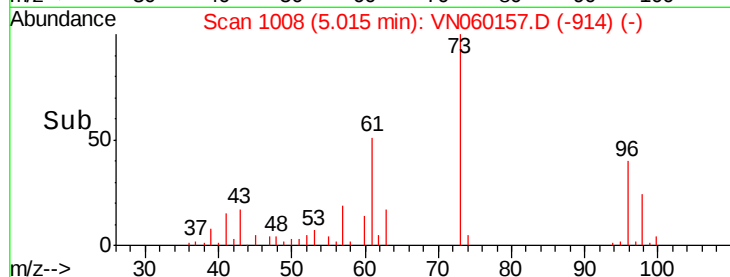
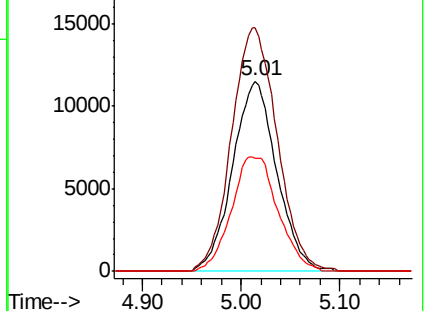
98 59.3 51.0 76.6



Abundance Ion 95.90 (95.60 to 96.60): VN060069.D (-985) (-)

Ion 60.90 (60.60 to 61.60): VN060069.D (-985) (-)

Ion 97.90 (97.60 to 98.60): VN060069.D (-985) (-)



#22

Diisopropyl ether

Concen: 19.780 ug/l

RT: 5.92 min Scan# 1289

Delta R.T. 0.00 min

Lab File: VN060157.D

Acq: 19 Feb 2020 15:40

Tgt Ion: 45 Resp: 106343

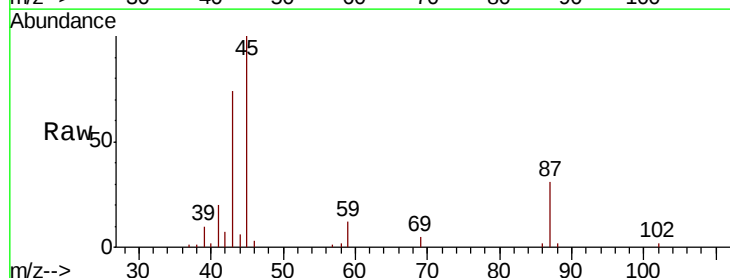
Ion Ratio Lower Upper

45 100

43 71.3 55.9 83.9

87 31.0 24.5 36.7

59 12.2 9.9 14.9

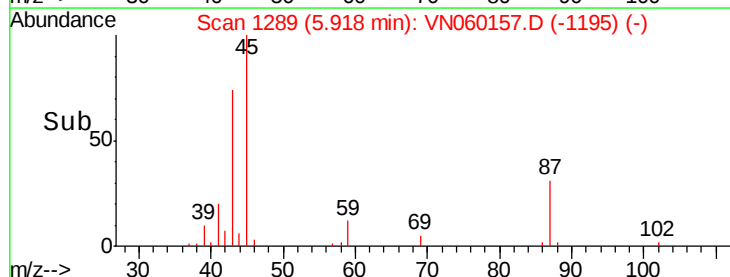
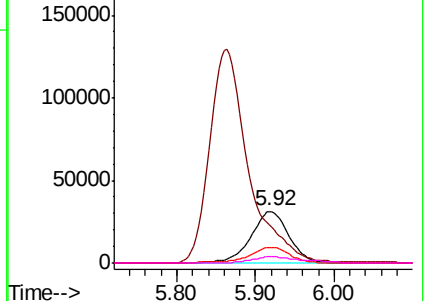


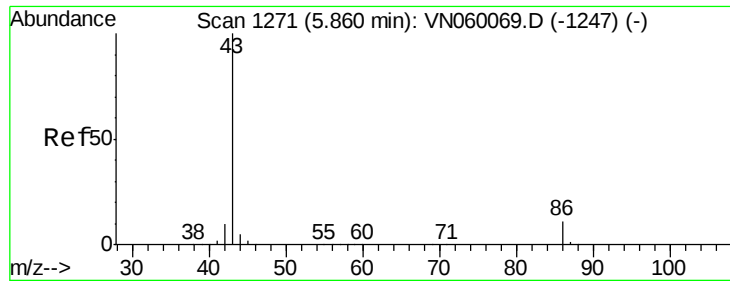
Abundance Ion 45.00 (44.70 to 45.70): VN060069.D (-1255) (-)

Ion 43.00 (42.70 to 43.70): VN060069.D (-1255) (-)

Ion 87.00 (86.70 to 87.70): VN060069.D (-1255) (-)

Ion 59.00 (58.70 to 59.70): VN060069.D (-1255) (-)

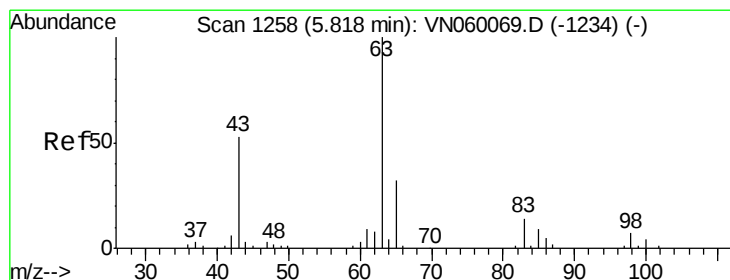
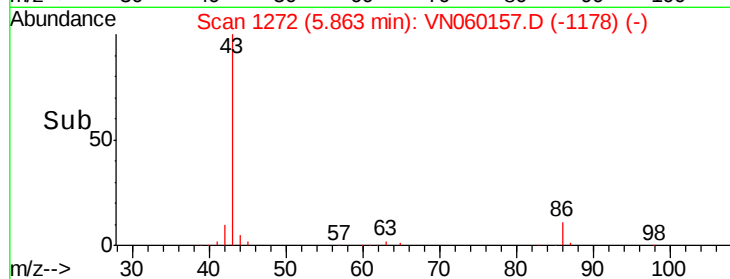
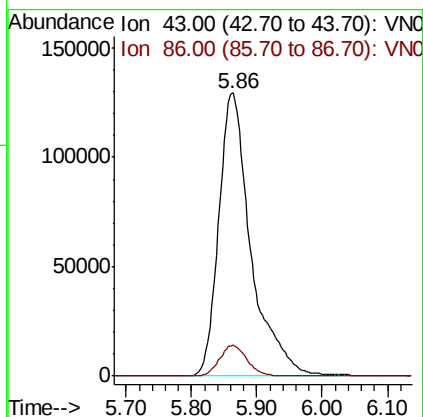
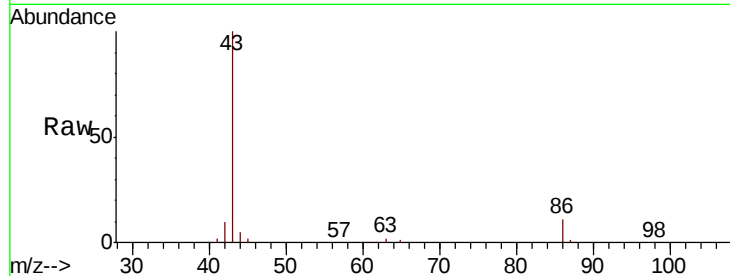




#23
 Vinyl Acetate
 Concen: 98.149 ug/l
 RT: 5.86 min Scan# 1272
 Delta R.T. 0.00 min
 Lab File: VN060157.D
 Acq: 19 Feb 2020 15:40

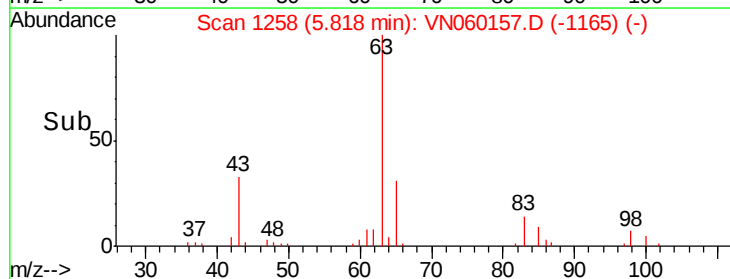
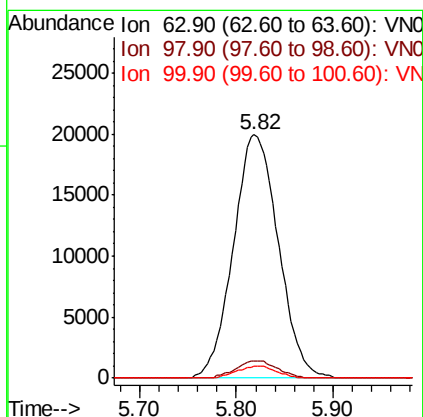
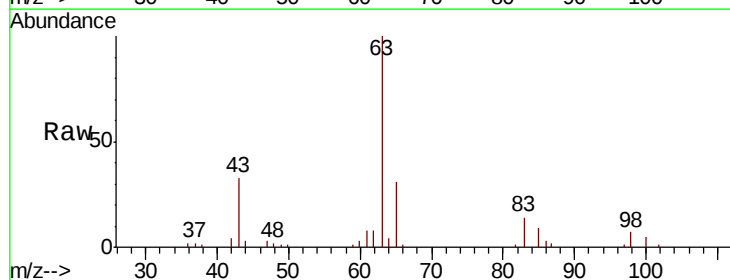
Instrument :
 MSVOA_N
 ClientSampled :

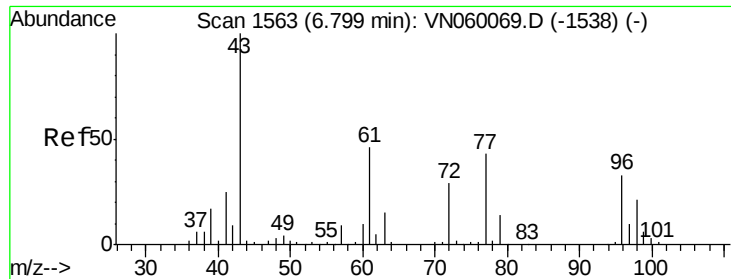
Tot Ion: 43 Resp: 443130
 Ion Ratio Lower Upper
 43 100
 86 10.9 8.9 13.3



#24
 1,1-Dichloroethane
 Concen: 19.799 ug/l
 RT: 5.82 min Scan# 1258
 Delta R.T. 0.00 min
 Lab File: VN060157.D
 Acq: 19 Feb 2020 15:40

Tgt Ion: 63 Resp: 64483
 Ion Ratio Lower Upper
 63 100
 98 7.2 3.5 10.5
 100 4.9 2.2 6.6





#25

2-Butanone

Concen: 94.460 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN060157.D

Acq: 19 Feb 2020 15:40

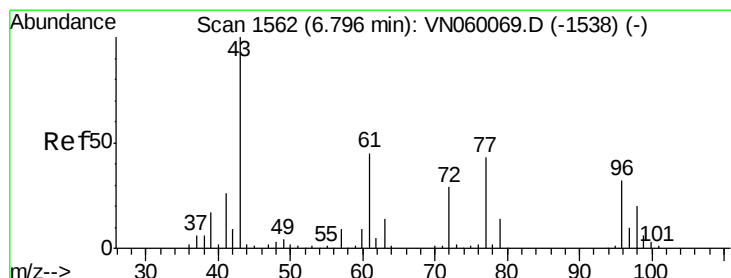
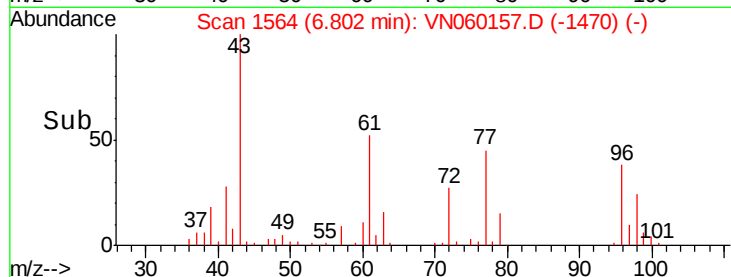
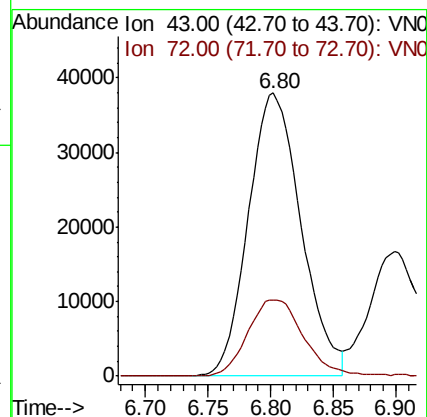
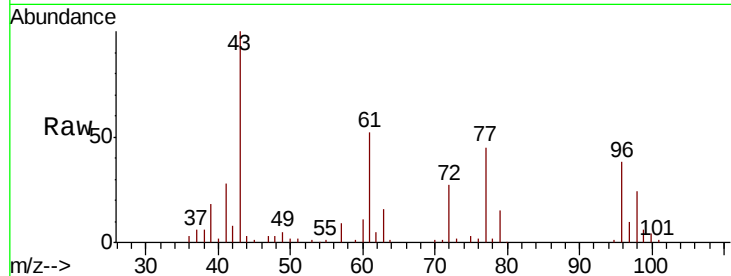
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 111160

Ion Ratio Lower Upper

43 100

72 26.8 23.3 34.9



#26

2,2-Dichloropropane

Concen: 18.261 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060157.D

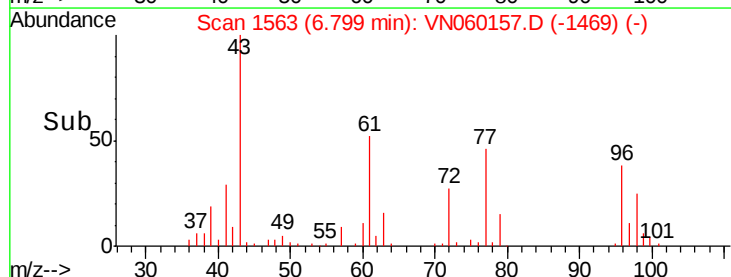
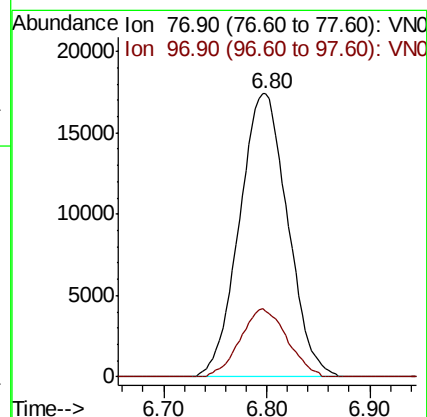
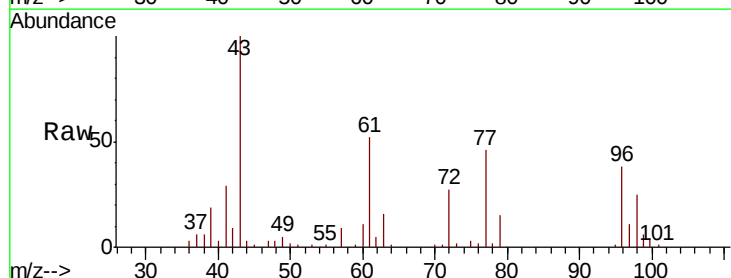
Acq: 19 Feb 2020 15:40

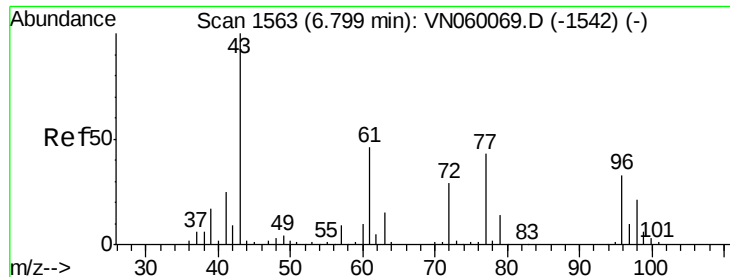
Tgt Ion: 77 Resp: 56491

Ion Ratio Lower Upper

77 100

97 23.3 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 19.687 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

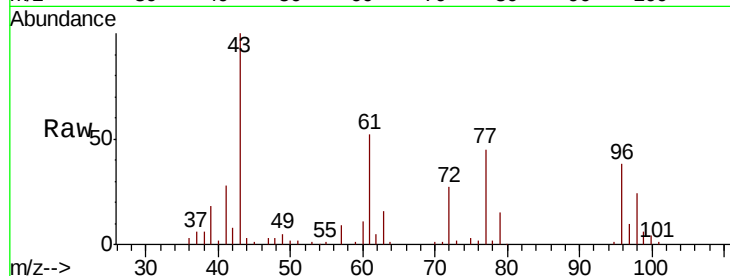
Lab File: VN060157.D

Acq: 19 Feb 2020 15:40

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 41860

Ion	Ratio	Lower	Upper
96	100		
61	139.6	0.0	285.8
98	63.5	0.0	129.6

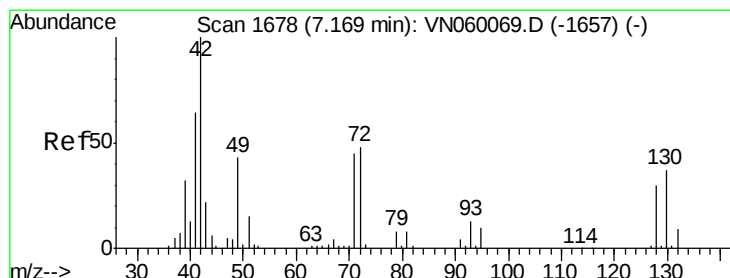
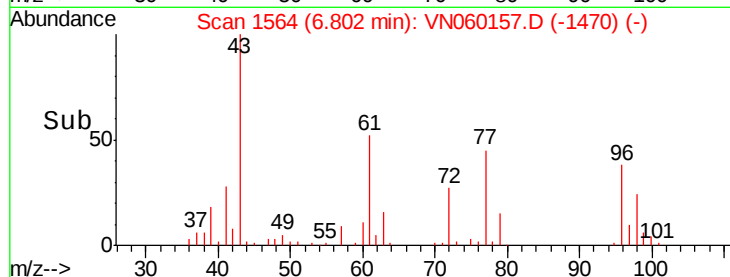
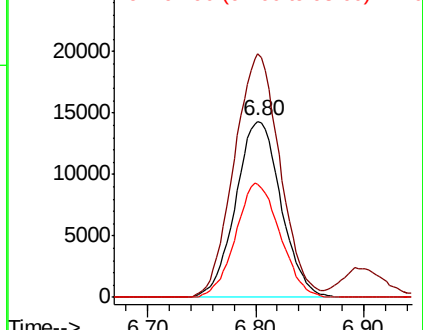


Abundance

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: 18.628 ug/l

RT: 7.17 min Scan# 1679

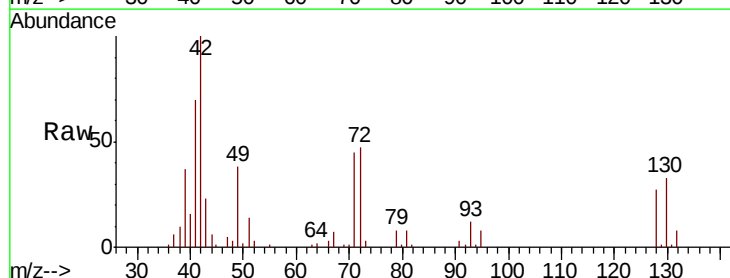
Delta R.T. 0.00 min

Lab File: VN060157.D

Acq: 19 Feb 2020 15:40

Tgt Ion: 49 Resp: 23851

Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	2.2
130	85.9	66.8	100.2

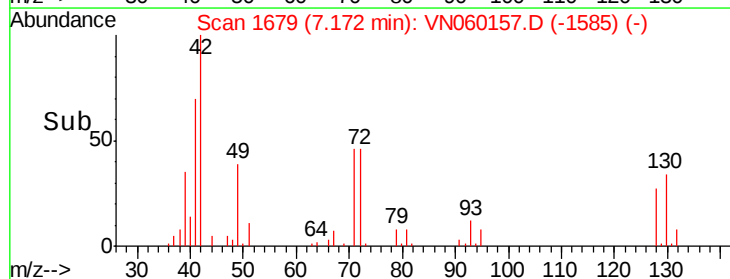
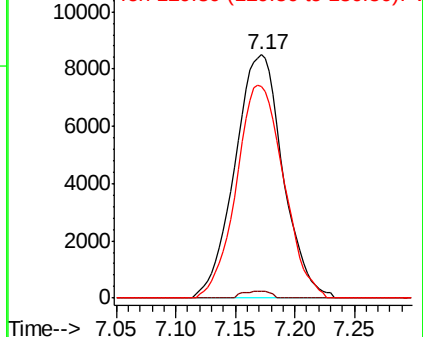


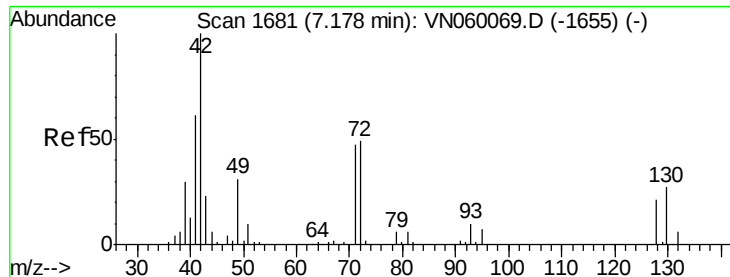
Abundance

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

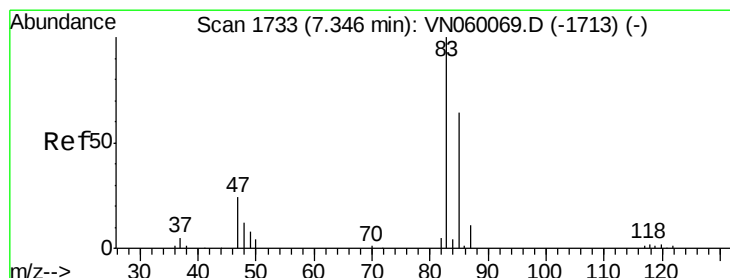
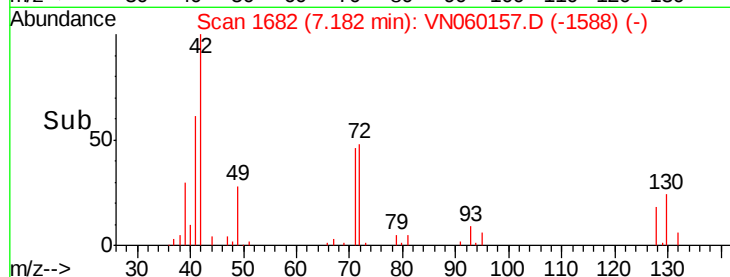
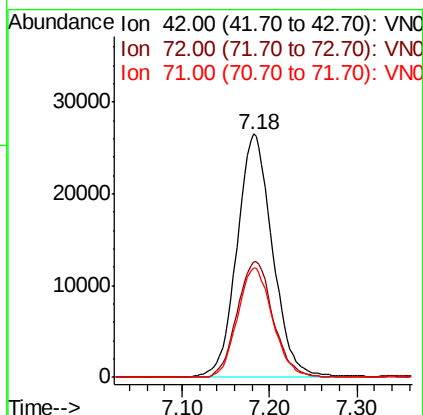
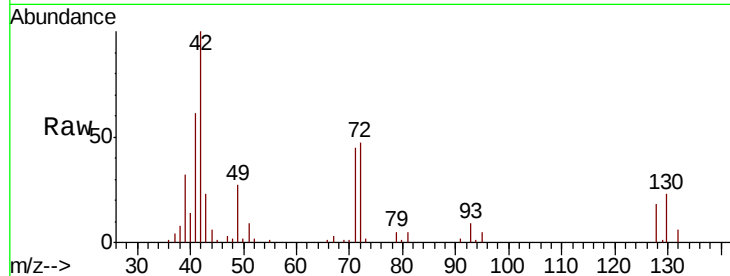




#29
Tetrahydrofuran
Concen: 103.627 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN060157.D
Acq: 19 Feb 2020 15:40

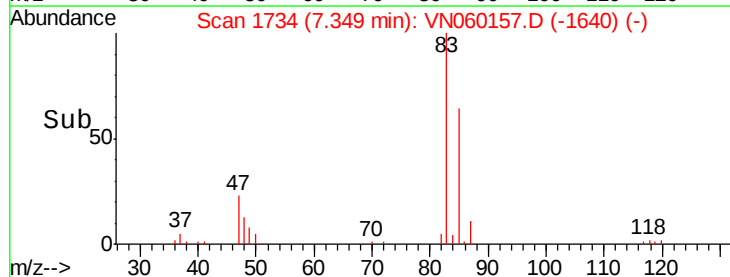
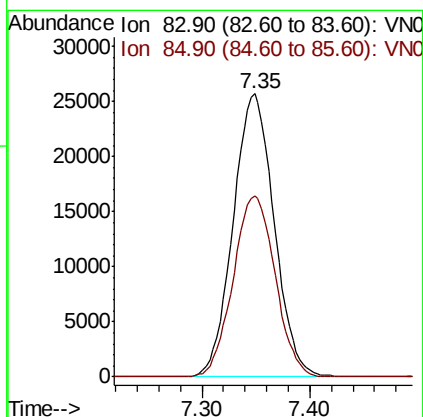
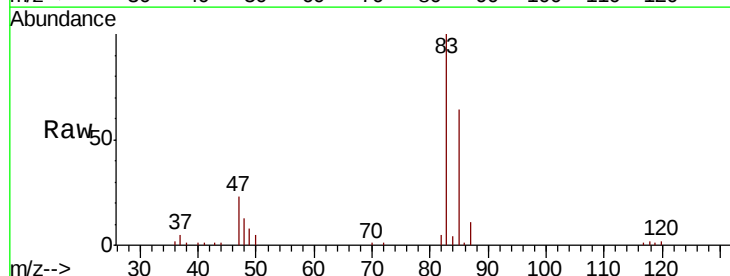
Instrument :
MSVOA_N
ClientSampled :

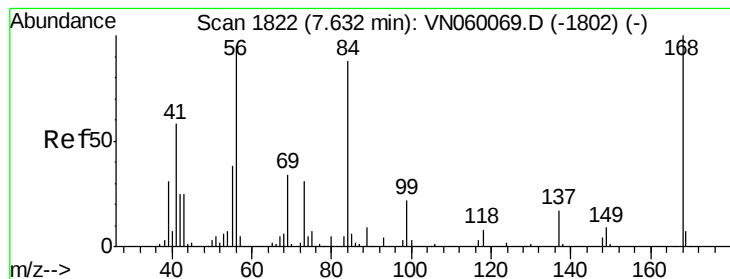
Tot Ion: 42 Resp: 74812
Ion Ratio Lower Upper
42 100
72 47.9 38.2 57.4
71 44.3 36.6 54.8



#30
Chloroform
Concen: 19.900 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN060157.D
Acq: 19 Feb 2020 15:40

Tgt Ion: 83 Resp: 67894
Ion Ratio Lower Upper
83 100
85 63.9 51.4 77.0





#31

Cyclohexane

Concen: 19.435 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN060157.D

Acq: 19 Feb 2020 15:40

Instrument :

MSVOA_N

ClientSampleId :

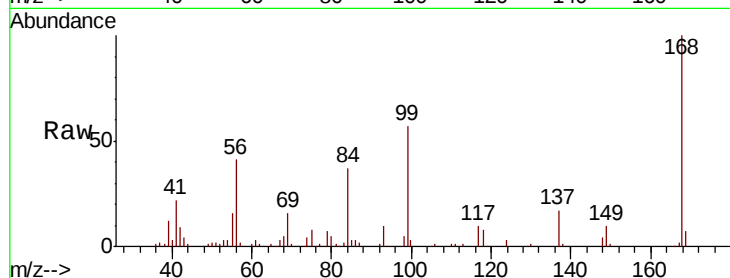
Tot Ion: 56 Resp: 58965

Ion Ratio Lower Upper

56 100

69 38.8 28.3 42.5

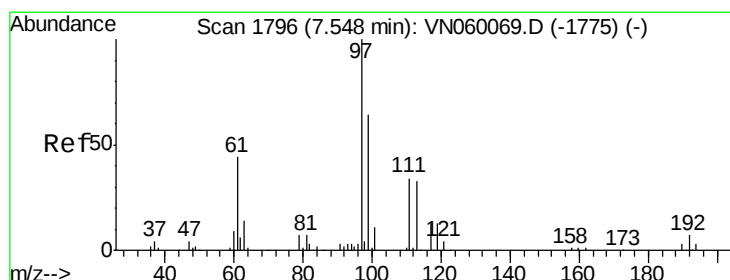
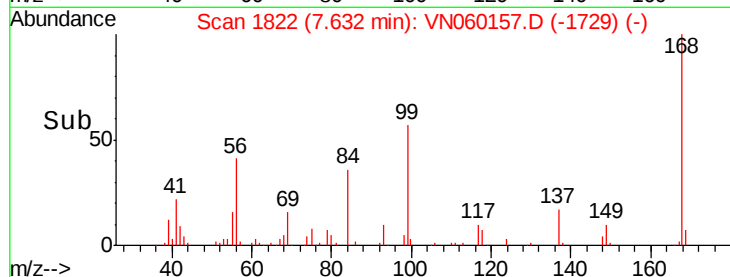
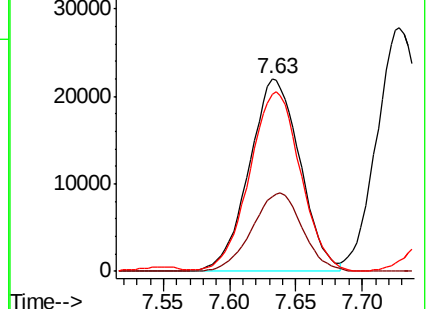
84 90.6 72.6 108.8



Abundance Ion 56.00 (55.70 to 56.70): VN060157.D (-1729) (-)

Ion 69.00 (68.70 to 69.70): VN060157.D (-1729) (-)

Ion 84.00 (83.70 to 84.70): VN060157.D (-1729) (-)



#32

1,1,1-Trichloroethane

Concen: 19.879 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VN060157.D

Acq: 19 Feb 2020 15:40

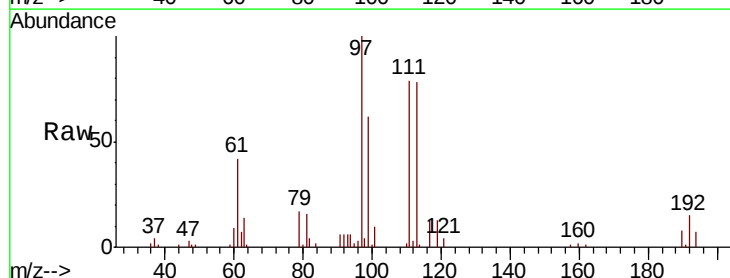
Tgt Ion: 97 Resp: 61976

Ion Ratio Lower Upper

97 100

99 63.9 51.4 77.0

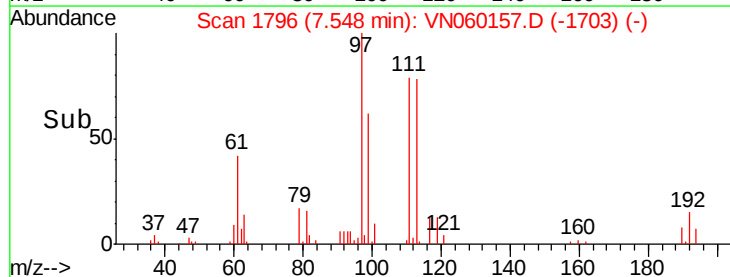
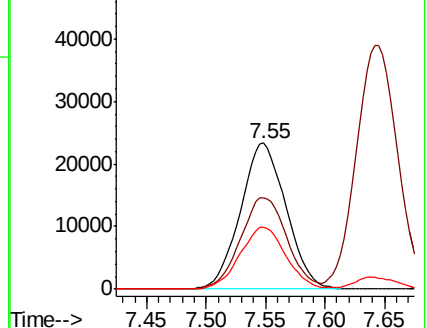
61 42.3 34.9 52.3

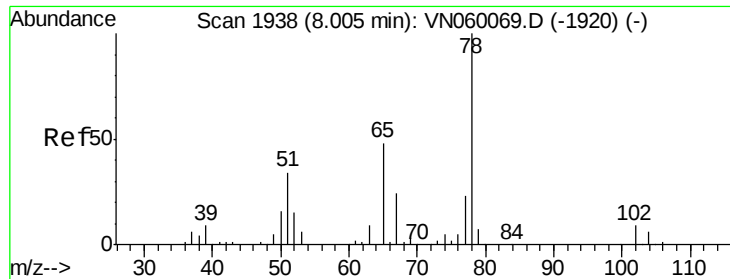


Abundance Ion 96.90 (96.60 to 97.60): VN060157.D (-1703) (-)

Ion 98.90 (98.60 to 99.60): VN060157.D (-1703) (-)

Ion 60.90 (60.60 to 61.60): VN060157.D (-1703) (-)

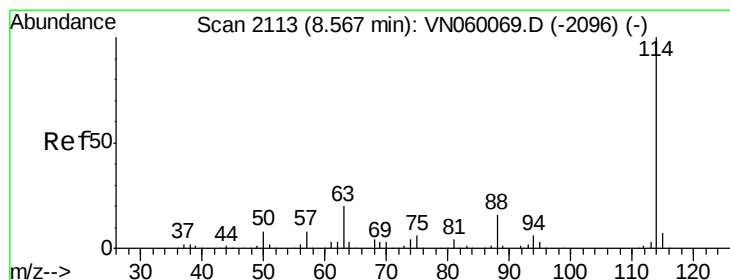
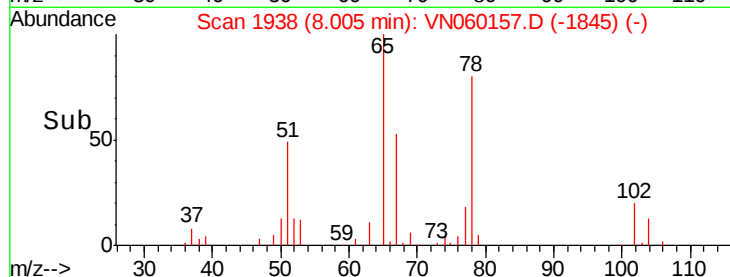
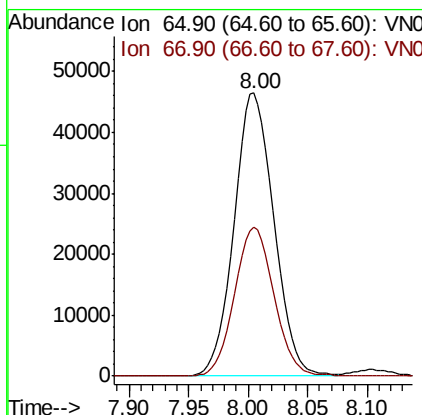
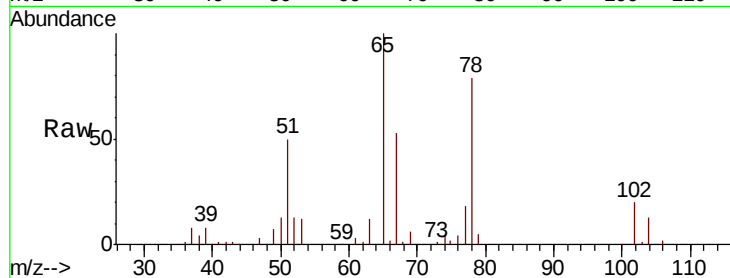




#33
 1,2-Dichloroethane-d4
 Concen: 50.270 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN060157.D
 Acq: 19 Feb 2020 15:40

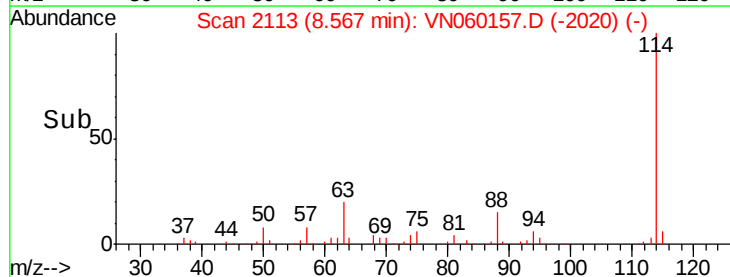
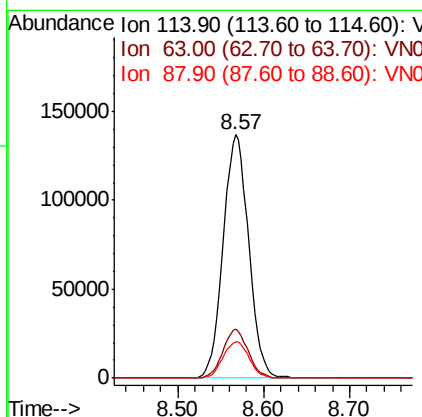
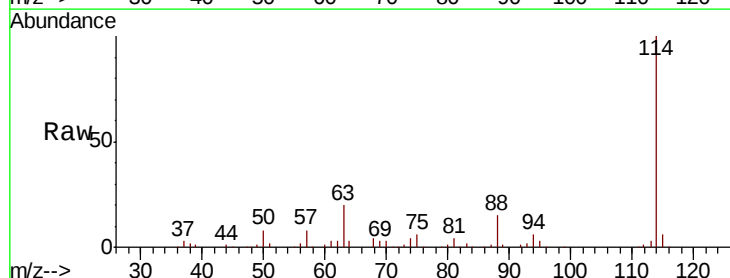
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 65 Resp: 107835
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060157.D
 Acq: 19 Feb 2020 15:40

Tgt Ion: 114 Resp: 282545
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 40.0
 88 15.0 0.0 31.6





#35

Dibromofluoromethane

Concen: 50.445 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN060157.D

Acq: 19 Feb 2020 15:40

Instrument :
MSVOA_N
ClientSampleId :

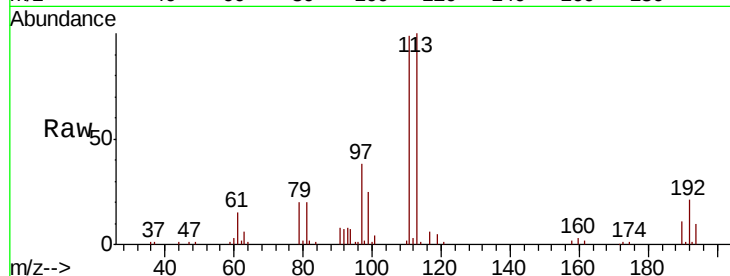
Tot Ion:113 Resp: 87614

Ion Ratio Lower Upper

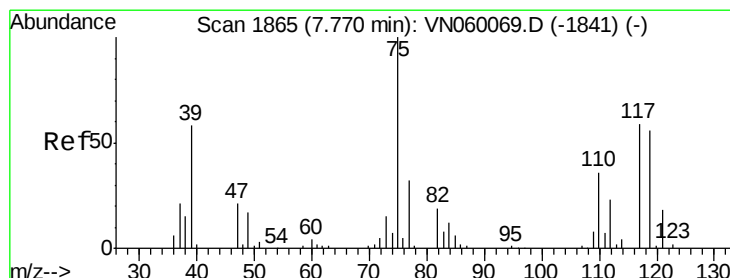
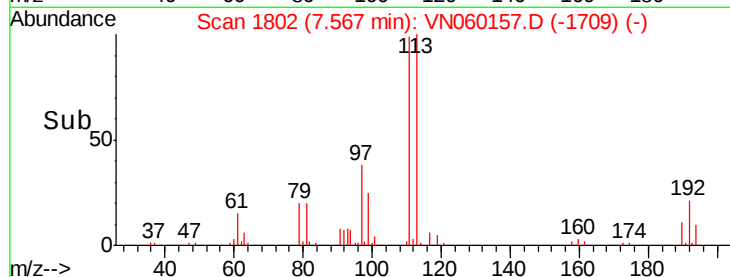
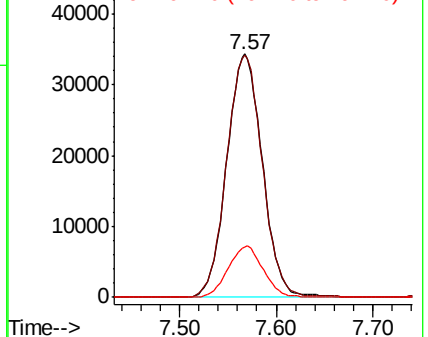
113 100

111 99.6 81.4 122.2

192 20.6 16.2 24.2



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



#36

1,1-Dichloropropene

Concen: 18.930 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. 0.00 min

Lab File: VN060157.D

Acq: 19 Feb 2020 15:40

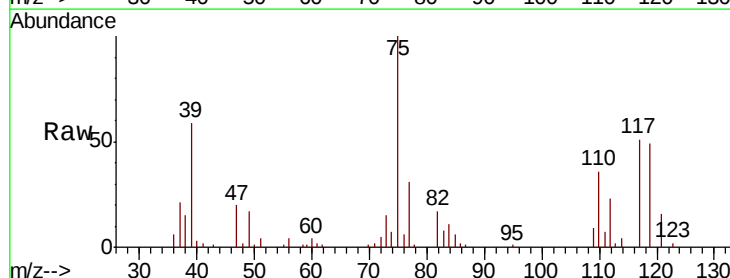
Tgt Ion: 75 Resp: 49540

Ion Ratio Lower Upper

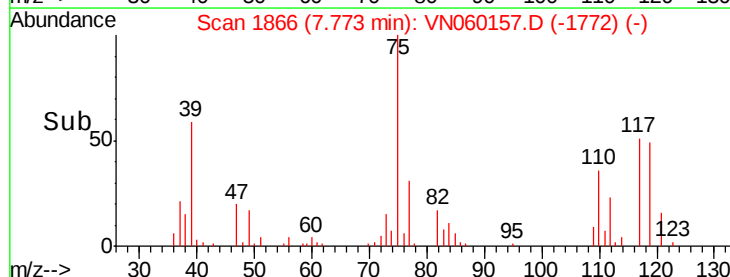
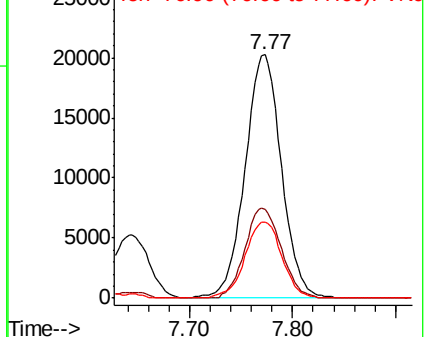
75 100

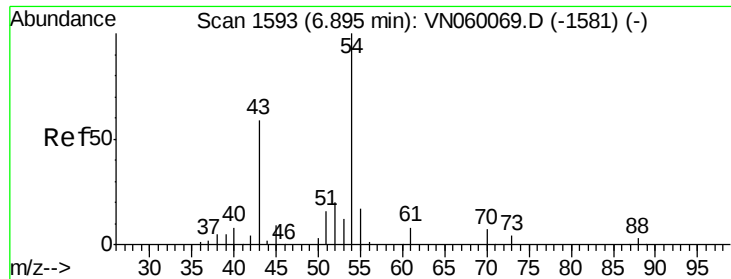
110 36.9 18.1 54.3

77 31.7 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VN0

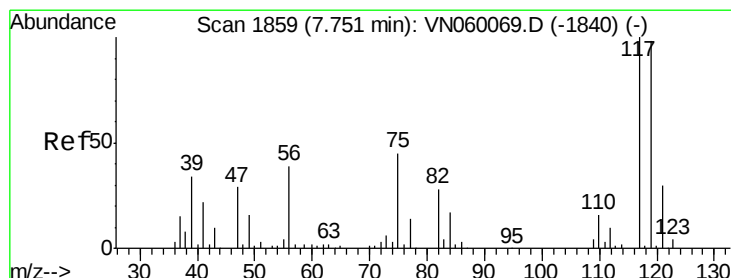
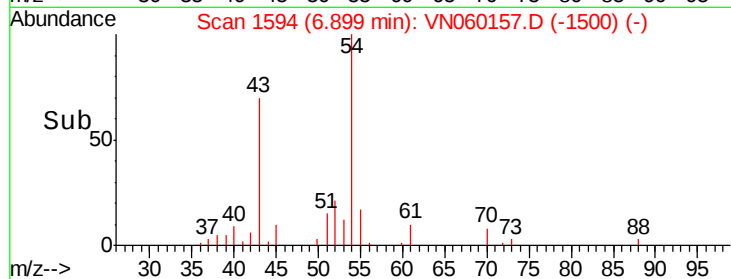
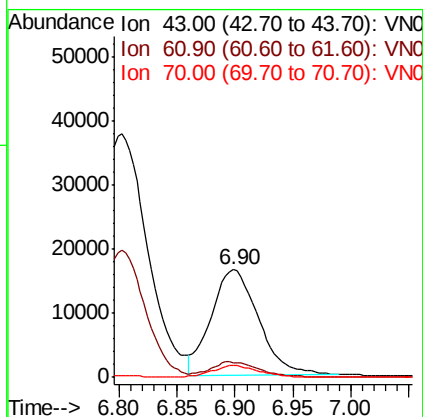
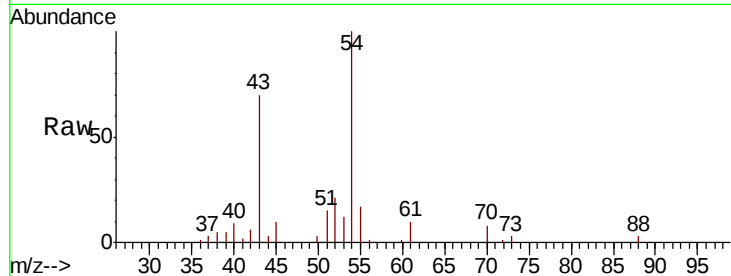




#37
Ethyl Acetate
Concen: 19.979 ug/l
RT: 6.90 min Scan# 1594
Delta R.T. 0.00 min
Lab File: VN060157.D
Acq: 19 Feb 2020 15:40

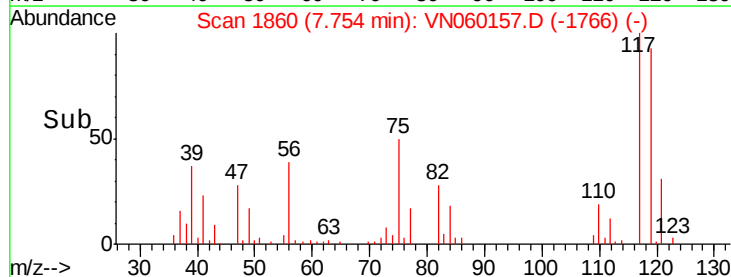
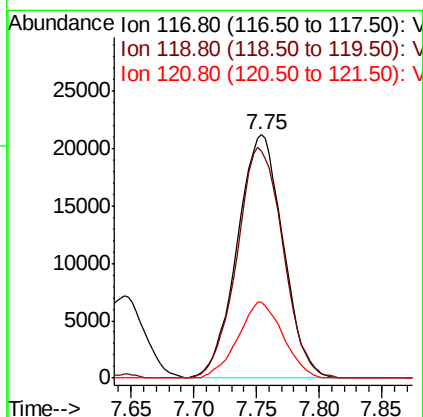
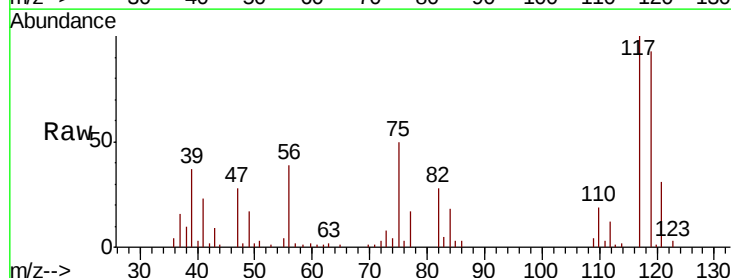
Instrument :
MSVOA_N
ClientSampled :

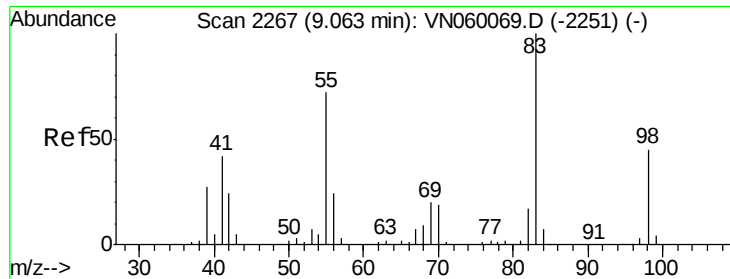
Tot Ion: 43 Resp: 47254
Ion Ratio Lower Upper
43 100
61 14.6 11.4 17.2
70 11.0 8.7 13.1



#38
Carbon Tetrachloride
Concen: 18.917 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN060157.D
Acq: 19 Feb 2020 15:40

Tgt Ion: 117 Resp: 53765
Ion Ratio Lower Upper
117 100
119 93.3 78.2 117.4
121 31.3 24.2 36.2

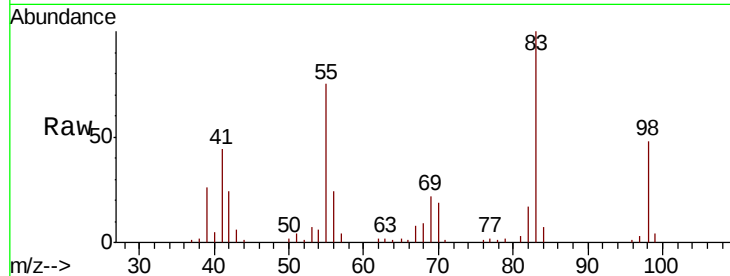




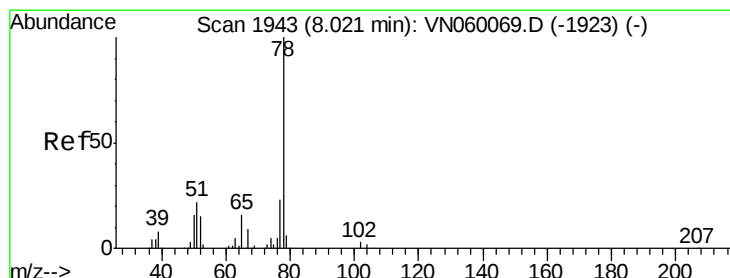
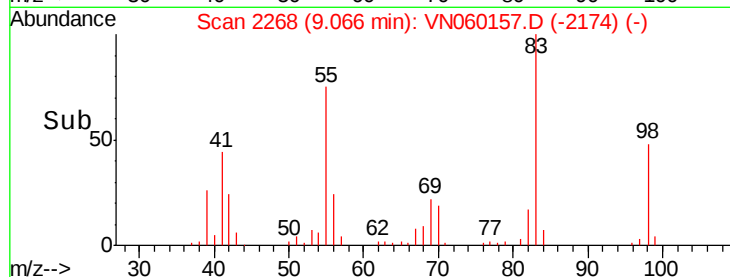
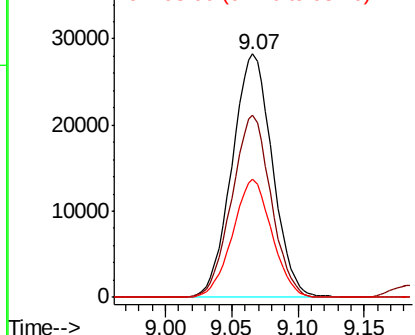
#39
Methvlcvclohexane
Concen: 18.365 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN060157.D
Acq: 19 Feb 2020 15:40

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 59660
Ion Ratio Lower Upper
83 100
55 75.1 57.8 86.8
98 48.3 36.4 54.6

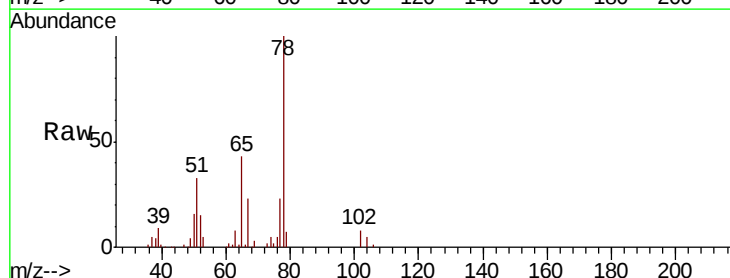


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

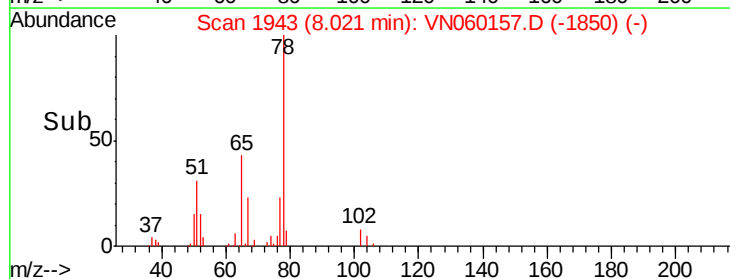
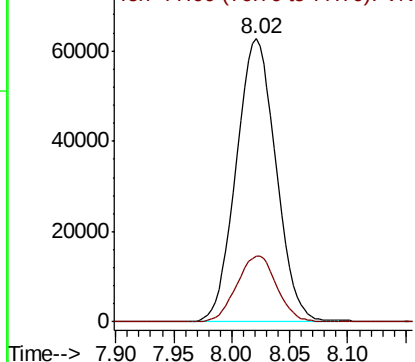


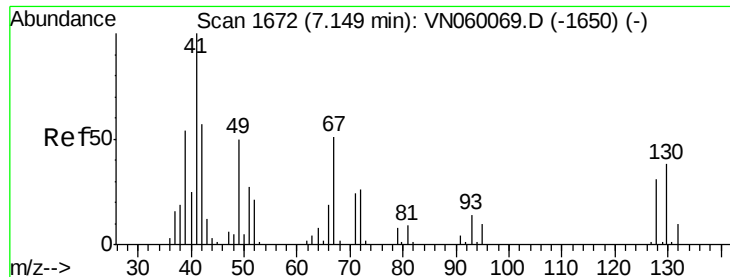
#40
Benzene
Concen: 19.234 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN060157.D
Acq: 19 Feb 2020 15:40

Tgt Ion: 78 Resp: 149316
Ion Ratio Lower Upper
78 100
77 23.0 18.8 28.2



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

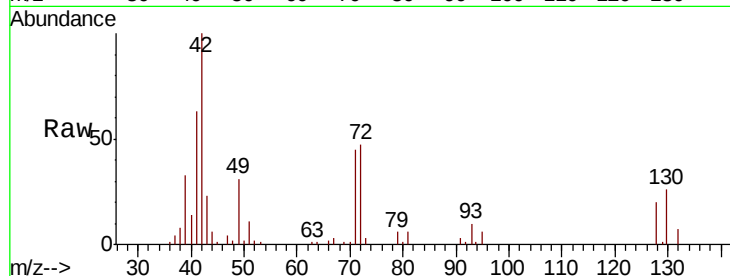




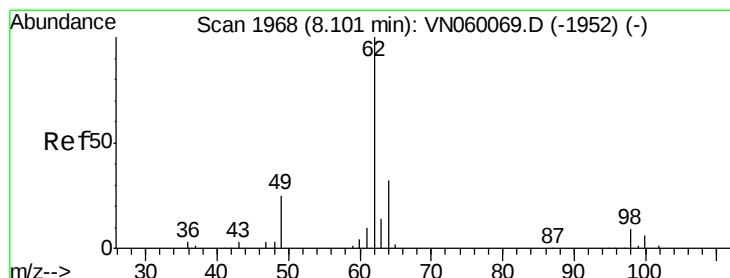
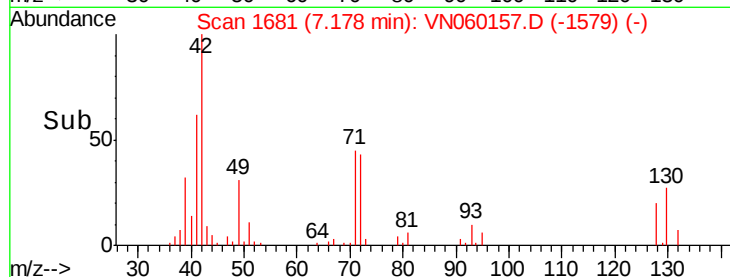
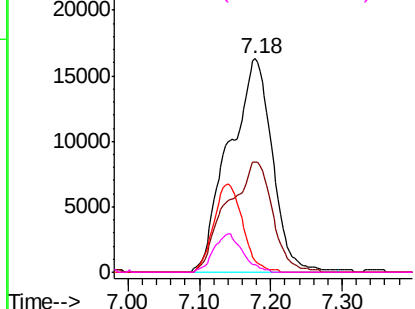
#41
Methacrylonitrile
Concen: 69.503 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.03 min
Lab File: VN060157.D
Acq: 19 Feb 2020 15:40

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 68940
Ion Ratio Lower Upper
41 100
39 53.7 0.0 0.0#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

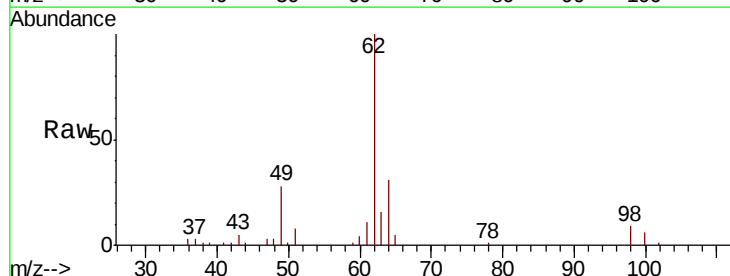


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

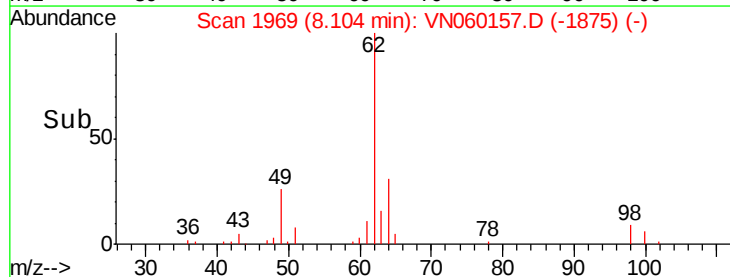
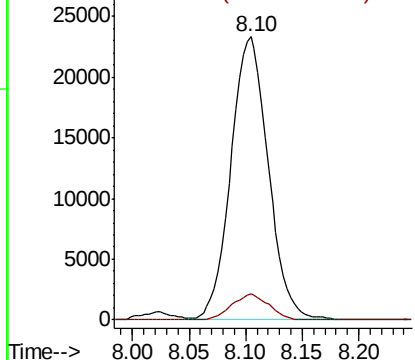


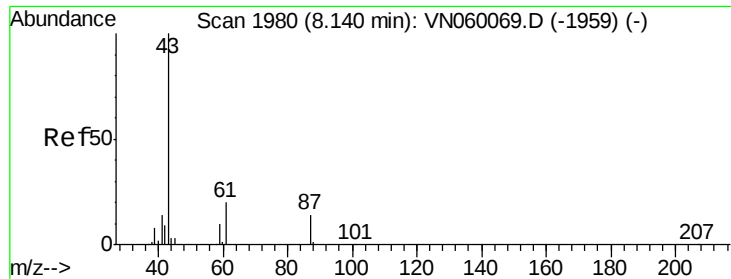
#42
1,2-Dichloroethane
Concen: 19.750 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN060157.D
Acq: 19 Feb 2020 15:40

Tgt Ion: 62 Resp: 53738
Ion Ratio Lower Upper
62 100
98 8.9 0.0 18.2



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

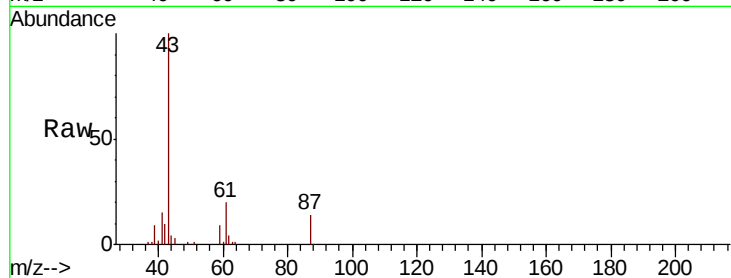




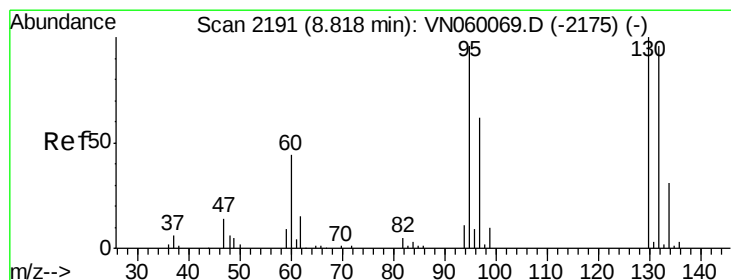
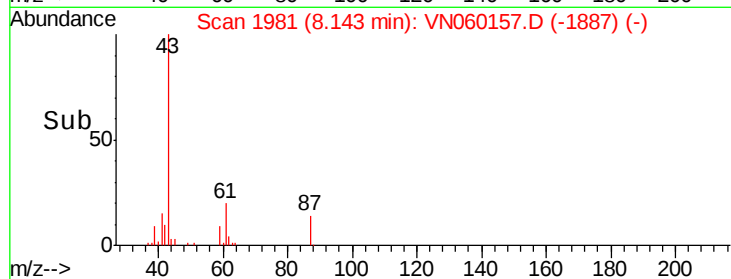
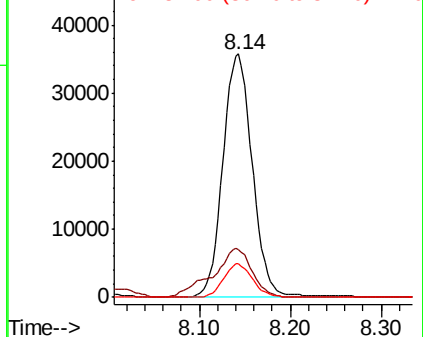
#43
Isopropyl Acetate
Concen: 19.947 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. 0.00 min
Lab File: VN060157.D
Acq: 19 Feb 2020 15:40

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 80647
Ion Ratio Lower Upper
43 100
61 26.6 21.8 32.6
87 13.4 11.4 17.2

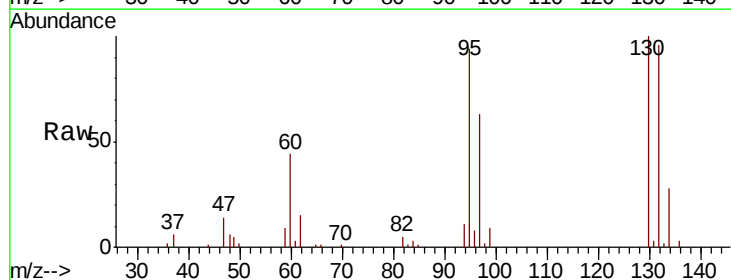


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0

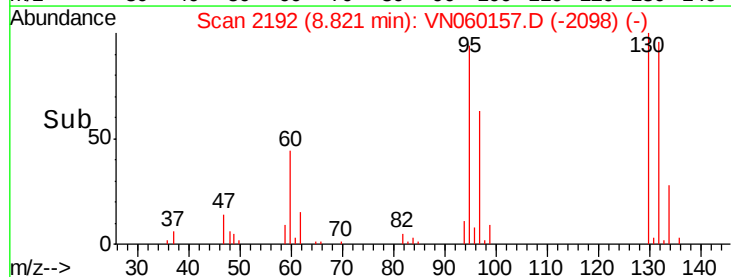
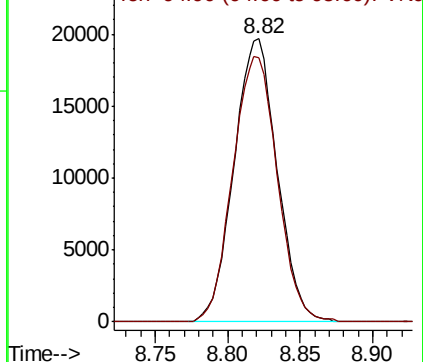


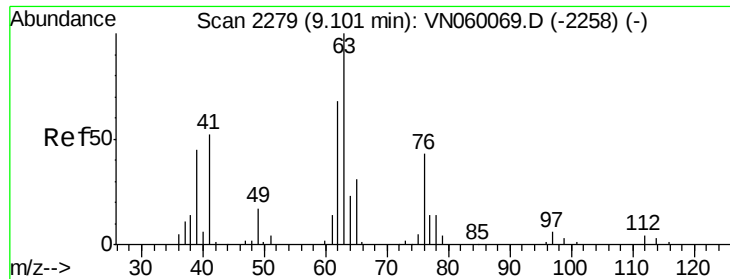
#44
Trichloroethene
Concen: 18.914 ug/l
RT: 8.82 min Scan# 2192
Delta R.T. 0.00 min
Lab File: VN060157.D
Acq: 19 Feb 2020 15:40

Tgt Ion:130 Resp: 40658
Ion Ratio Lower Upper
130 100
95 93.5 0.0 192.4



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

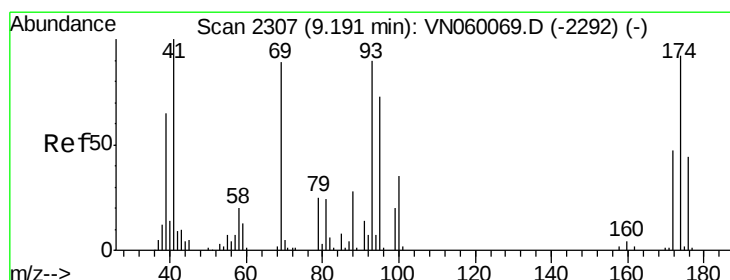
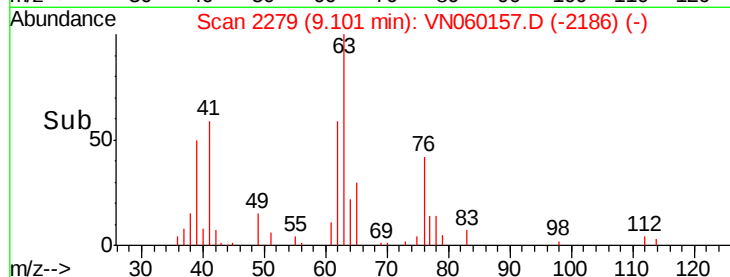
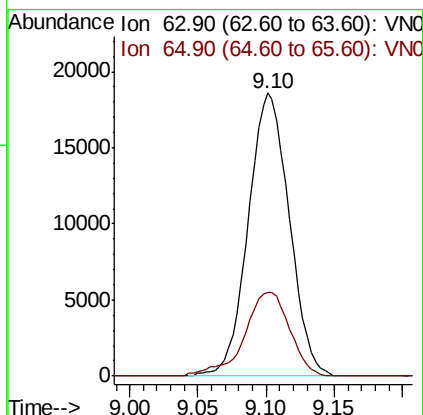
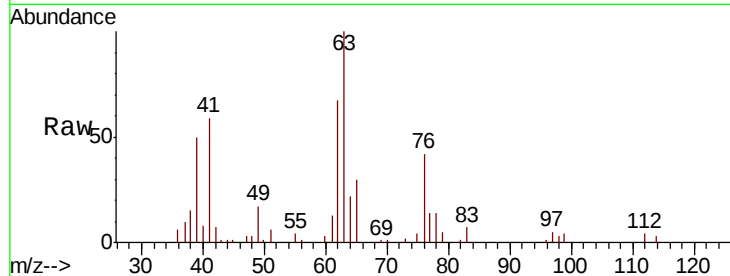




#45
 1,2-Dichloropropane
 Concen: 20.160 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN060157.D
 Acq: 19 Feb 2020 15:40

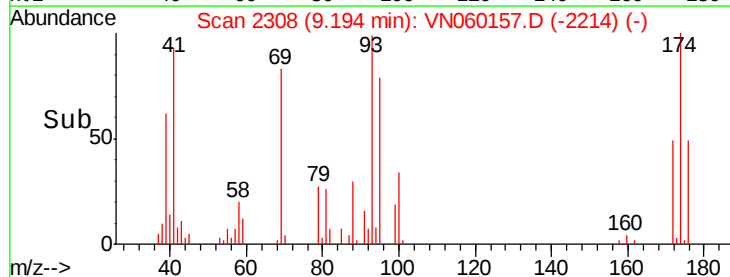
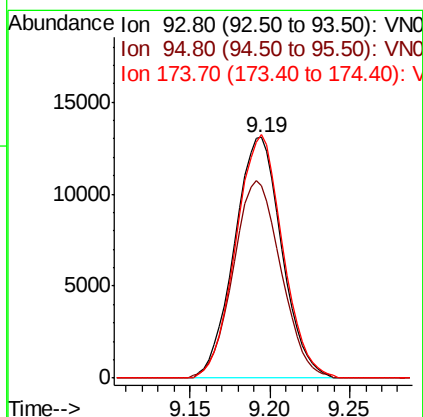
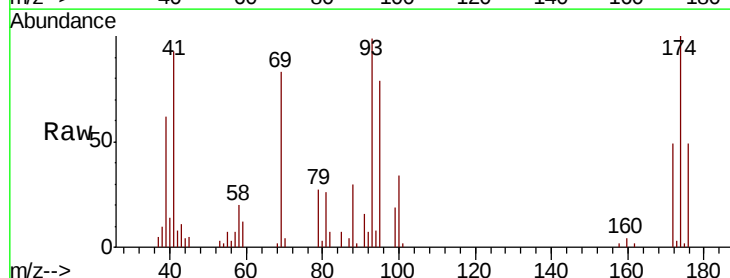
Instrument :
 MSVOA_N
 ClientSampleId :

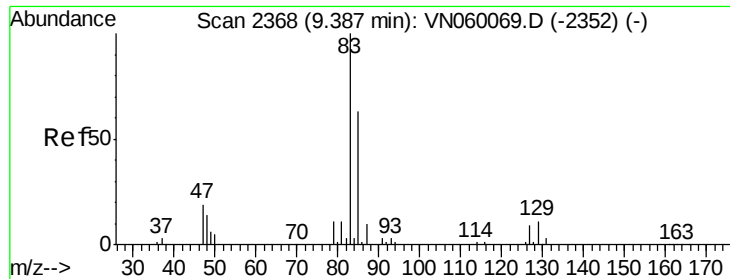
Tot Ion: 63 Resp: 38746
 Ion Ratio Lower Upper
 63 100
 65 29.7 25.0 37.4



#46
 Dibromomethane
 Concen: 19.506 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN060157.D
 Acq: 19 Feb 2020 15:40

Tgt Ion: 93 Resp: 26493
 Ion Ratio Lower Upper
 93 100
 95 82.7 65.0 97.6
 174 100.0 82.3 123.5

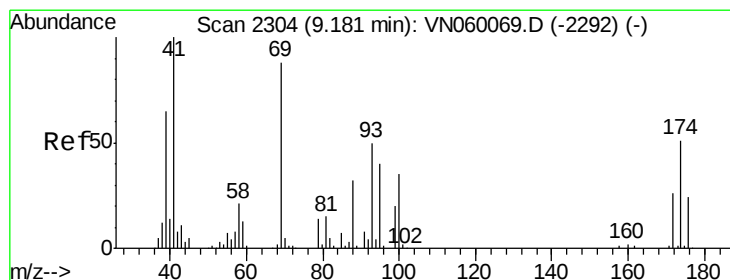
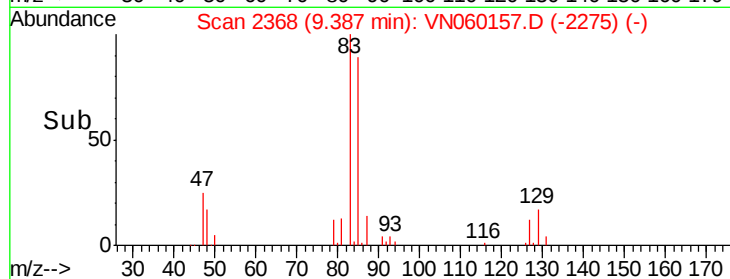
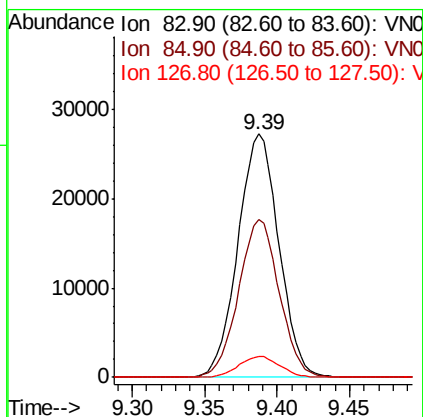
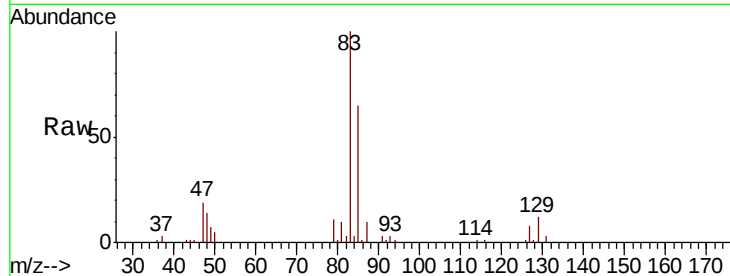




#47
Bromodichloromethane
Concen: 19.379 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN060157.D
Acq: 19 Feb 2020 15:40

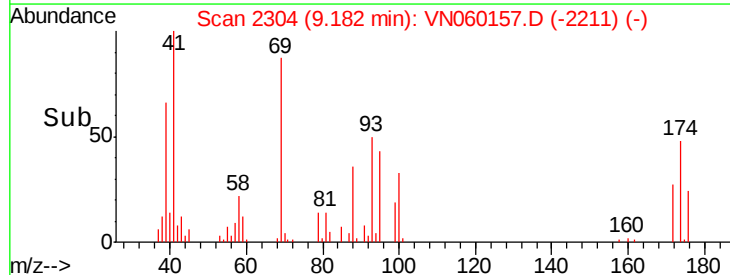
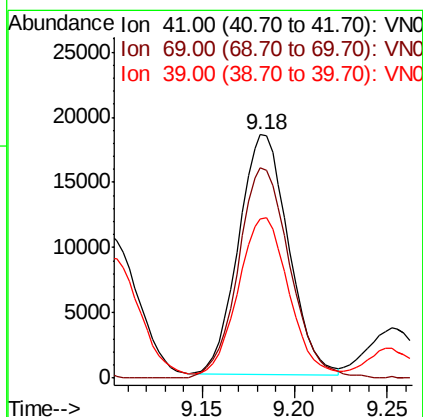
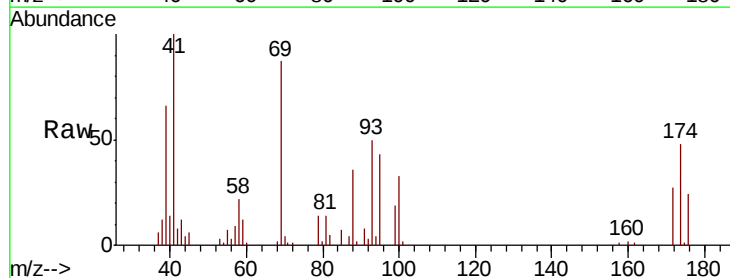
Instrument :
MSVOA_N
ClientSampleId :

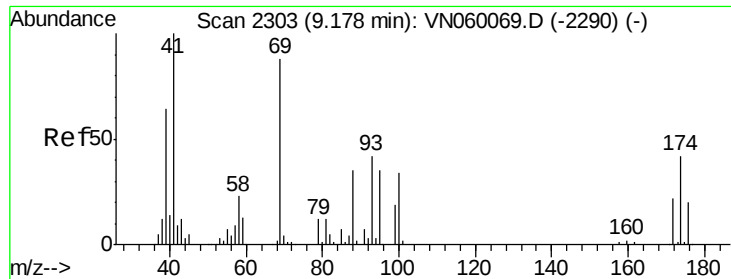
Tot Ion: 83 Resp: 53511
Ion Ratio Lower Upper
83 100
85 64.7 50.6 75.8
127 8.5 7.0 10.6



#48
Methyl methacrylate
Concen: 18.934 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060157.D
Acq: 19 Feb 2020 15:40

Tgt Ion: 41 Resp: 34346
Ion Ratio Lower Upper
41 100
69 91.3 72.0 108.0
39 69.5 54.1 81.1

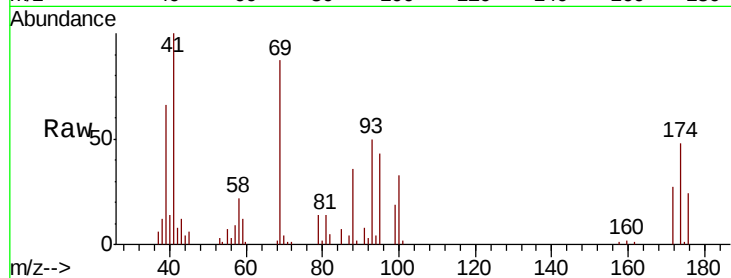




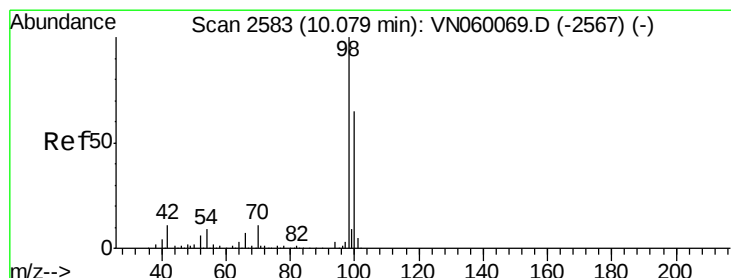
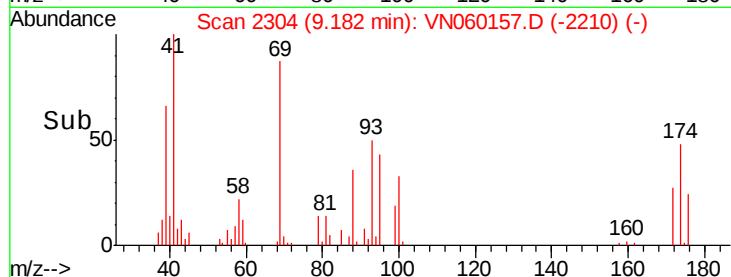
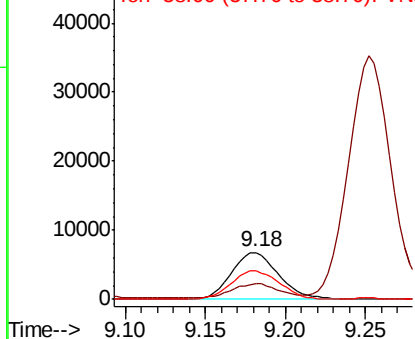
#49
1,4-Dioxane
Concen: 437.759 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060157.D
Acq: 19 Feb 2020 15:40

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 13568
Ion Ratio Lower Upper
88 100
43 30.5 26.2 39.2
58 62.9 53.2 79.8

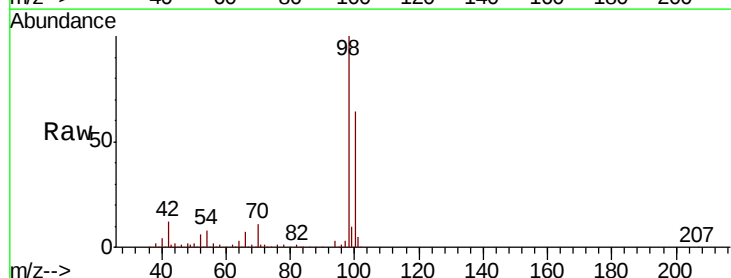


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

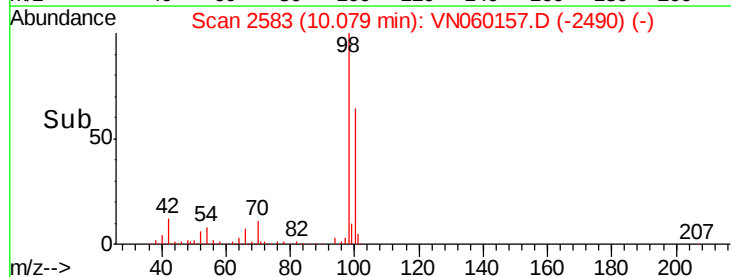
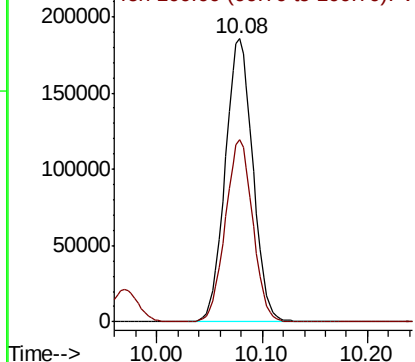


#50
Toluene-d8
Concen: 48.987 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060157.D
Acq: 19 Feb 2020 15:40

Tgt Ion: 98 Resp: 335043
Ion Ratio Lower Upper
98 100
100 64.0 51.7 77.5



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





#51

4-Methyl-2-Pentanone

Concen: 102.914 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060157.D

Acq: 19 Feb 2020 15:40

Instrument :

MSVOA_N

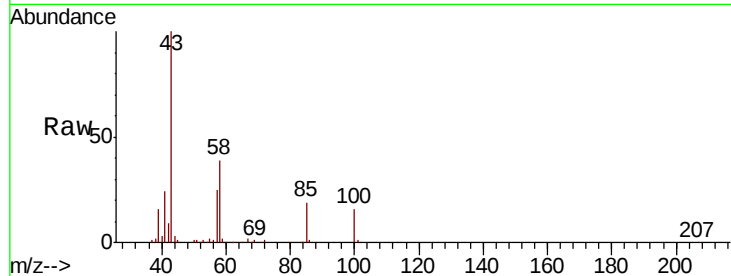
ClientSampled :

Tot Ion: 43 Resp: 240843

Ion Ratio Lower Upper

43 100

58 39.5 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

150000

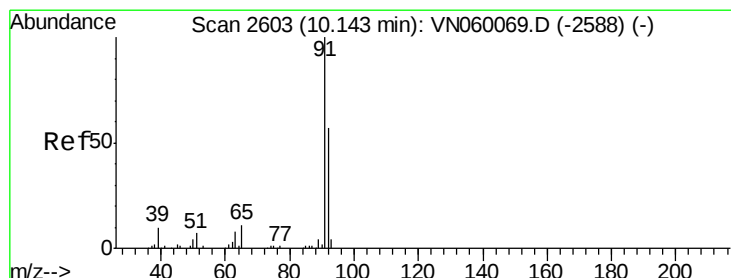
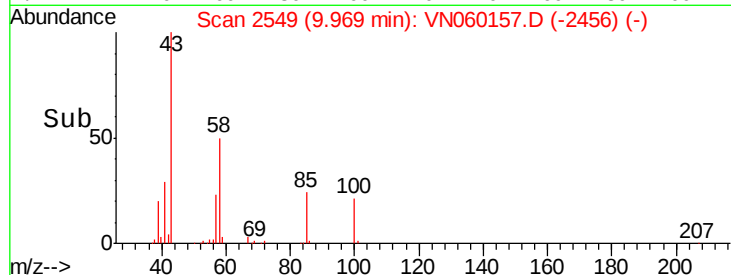
100000

50000

0

9.90 10.00

Time-->



#52

Toluene

Concen: 19.079 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060157.D

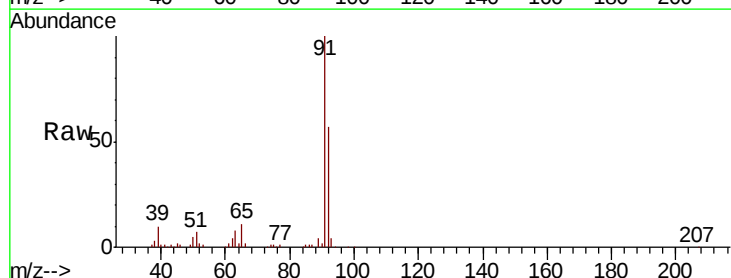
Acq: 19 Feb 2020 15:40

Tgt Ion: 92 Resp: 94981

Ion Ratio Lower Upper

92 100

91 173.9 140.9 211.3



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

100000

80000

60000

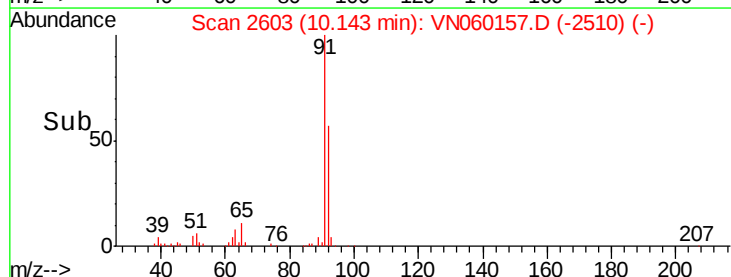
40000

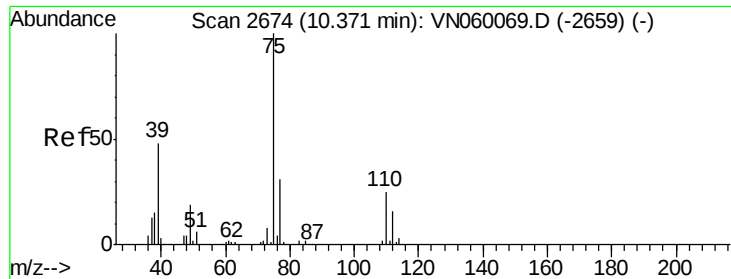
20000

0

10.05 10.10 10.15 10.20

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.938 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. 0.00 min

Lab File: VN060157.D

Acq: 19 Feb 2020 15:40

Instrument :

MSVOA_N

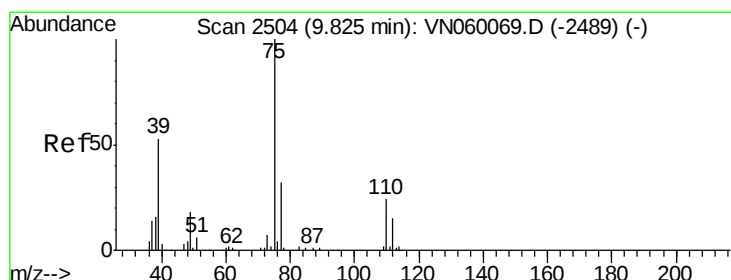
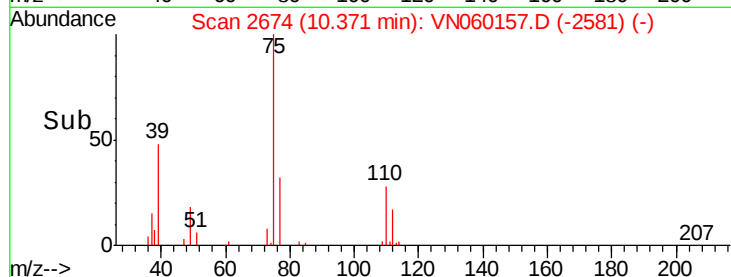
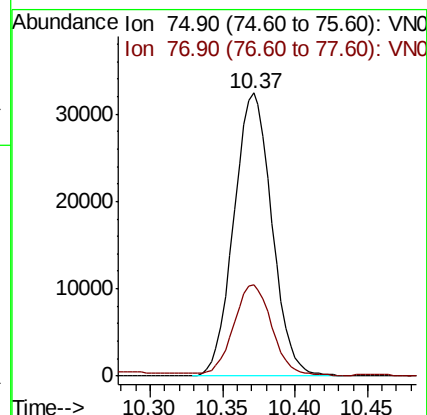
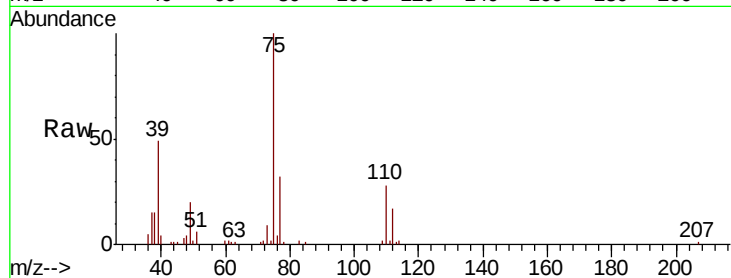
ClientSampled :

Tot Ion: 75 Resp: 59027

Ion Ratio Lower Upper

75 100

77 32.2 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 19.519 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN060157.D

Acq: 19 Feb 2020 15:40

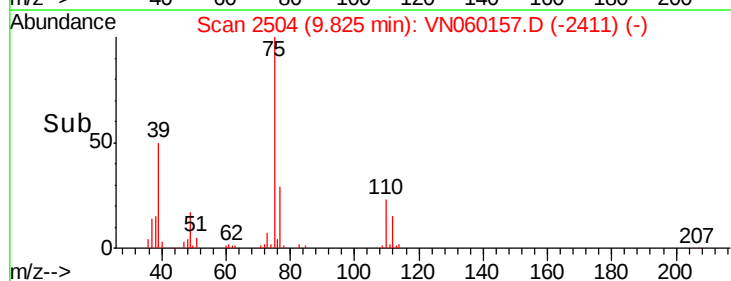
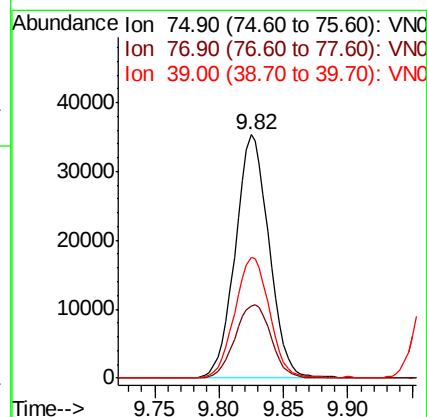
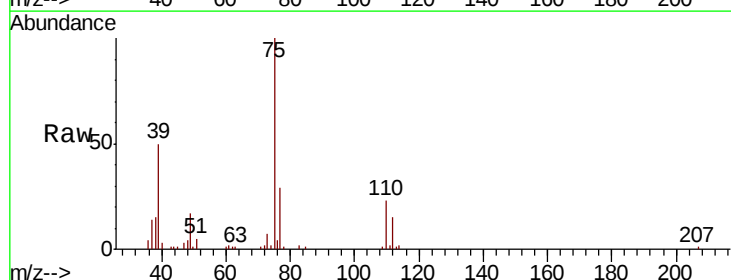
Tgt Ion: 75 Resp: 64063

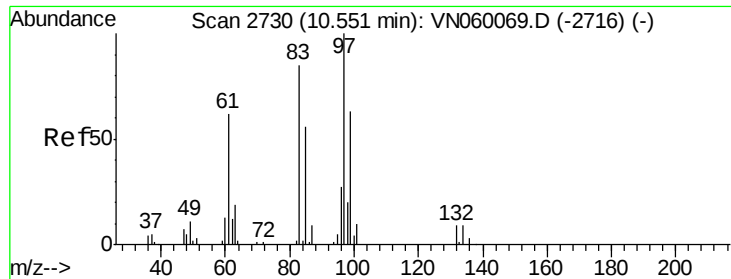
Ion Ratio Lower Upper

75 100

77 29.4 25.6 38.4

39 49.5 42.2 63.4

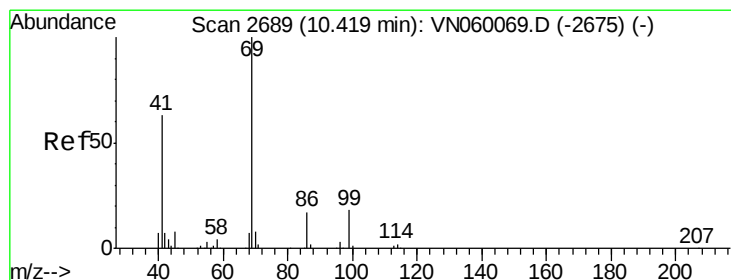
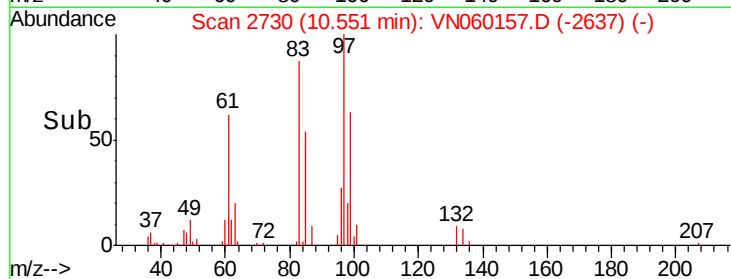
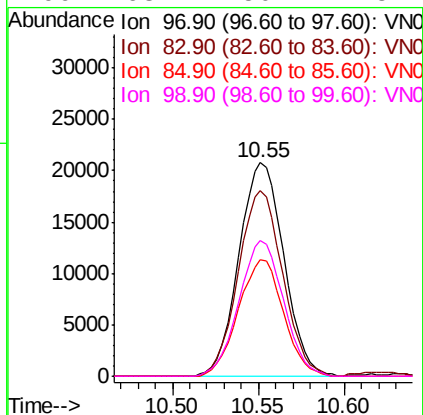
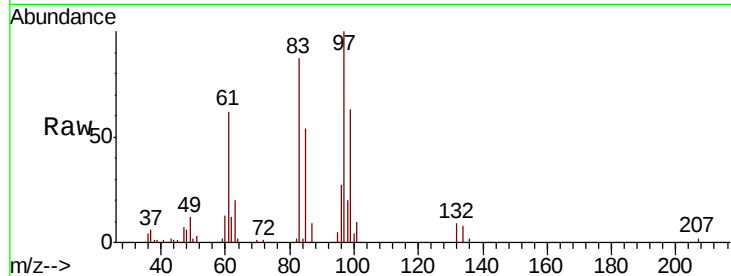




#55
 1,1,2-Trichloroethane
 Concen: 19.422 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060157.D
 Acq: 19 Feb 2020 15:40

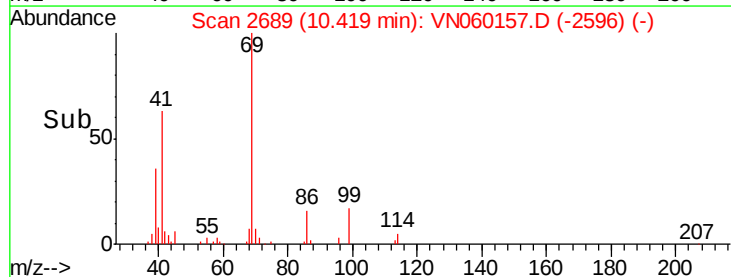
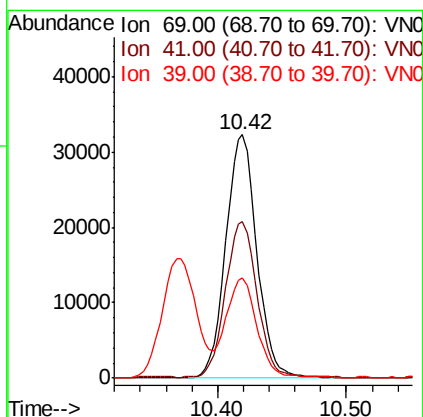
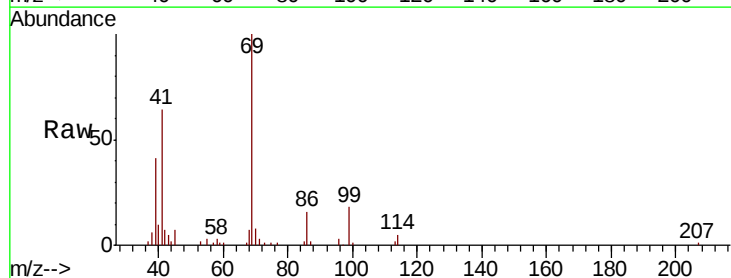
Instrument :
 MSVOA_N
 ClientSampled :

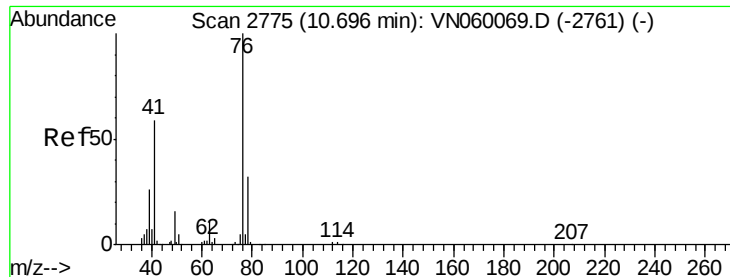
Tot Ion:	97	Resp:	37721
Ion	Ratio	Lower	Upper
97	100		
83	87.2	67.9	101.9
85	54.5	44.6	67.0
99	63.4	50.1	75.1



#56
 Ethyl methacrylate
 Concen: 19.668 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN060157.D
 Acq: 19 Feb 2020 15:40

Tgt Ion:	69	Resp:	54036
Ion	Ratio	Lower	Upper
69	100		
41	66.0	51.1	76.7
39	39.8	33.8	50.8





#57

1,3-Dichloropropane

Concen: 19.573 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060157.D

Acq: 19 Feb 2020 15:40

Instrument :

MSVOA_N

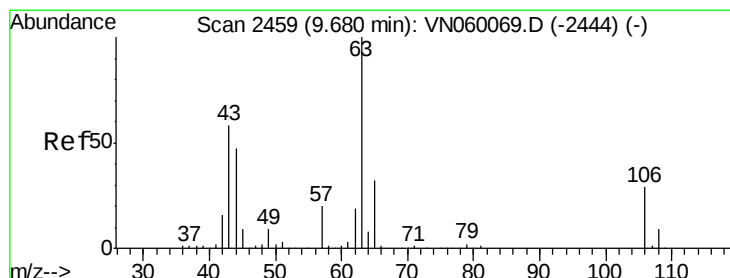
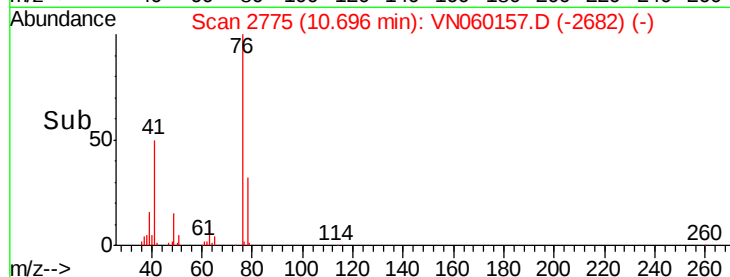
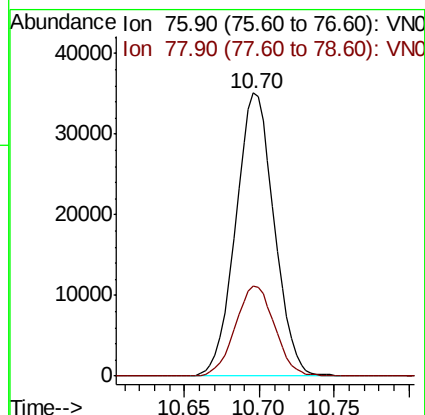
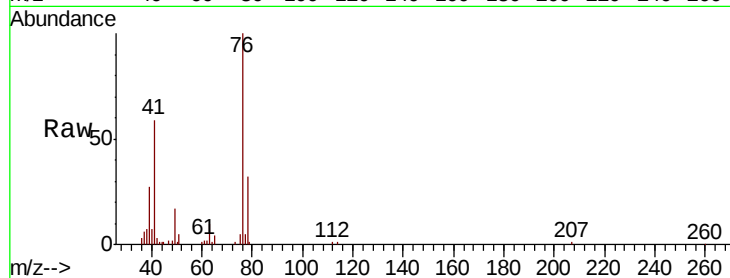
ClientSampleId :

Tot Ion: 76 Resp: 62724

Ion Ratio Lower Upper

76 100

78 32.5 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 96.966 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN060157.D

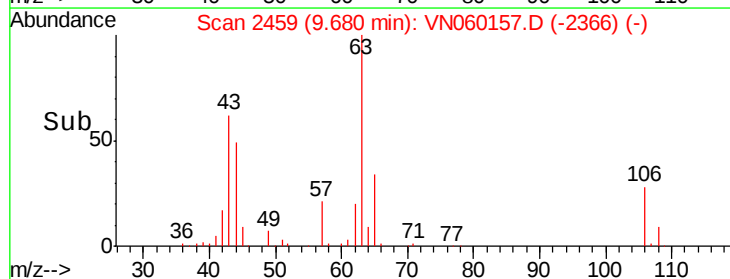
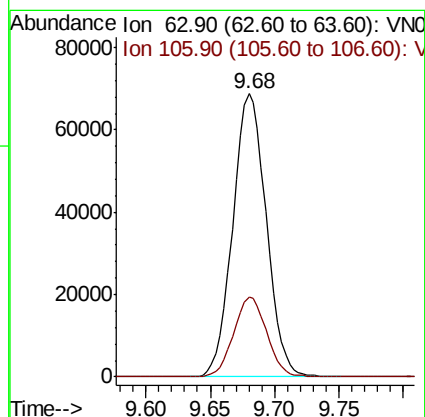
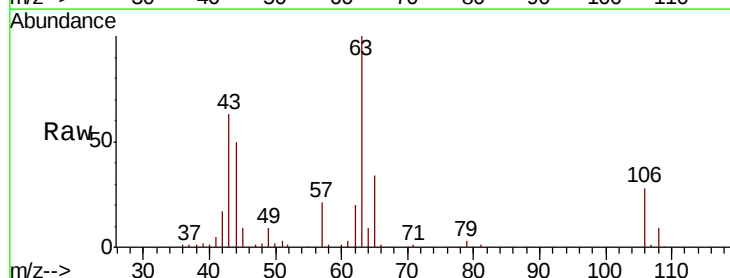
Acq: 19 Feb 2020 15:40

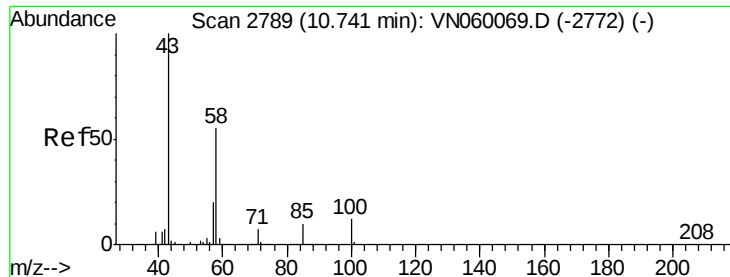
Tgt Ion: 63 Resp: 124110

Ion Ratio Lower Upper

63 100

106 27.9 22.9 34.3





#59

2-Hexanone

Concen: 98.049 ug/l

RT: 10.74 min Scan# 2789

Delta R.T. 0.00 min

Lab File: VN060157.D

Acq: 19 Feb 2020 15:40

Instrument :

MSVOA_N

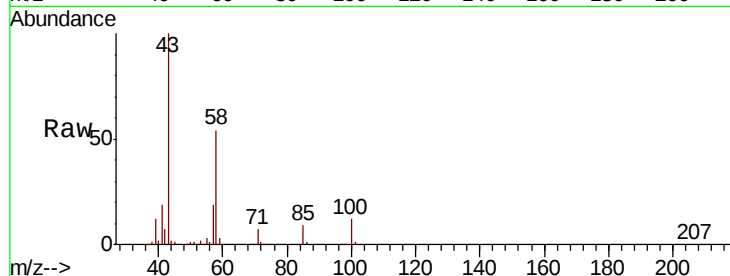
ClientSampled :

Tot Ion: 43 Resp: 177250

Ion Ratio Lower Upper

43 100

58 53.4 27.5 82.4

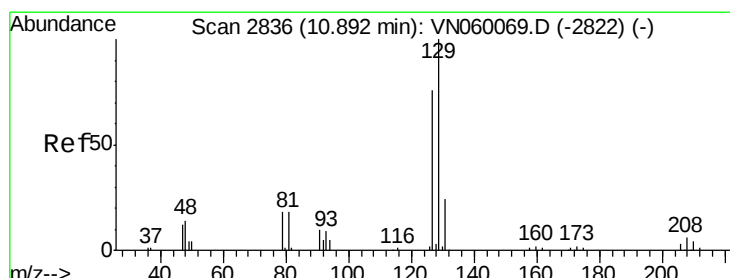
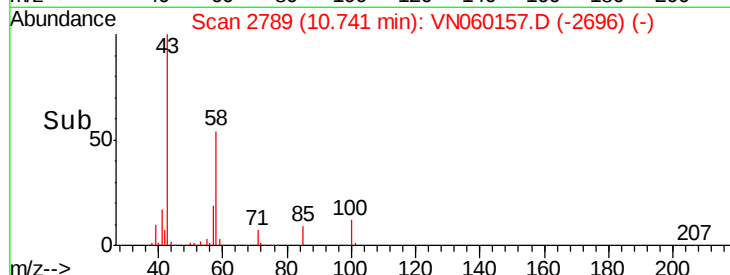
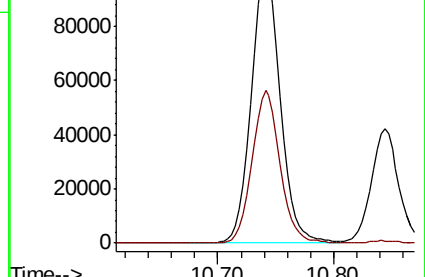


Abundance Ion 43.00 (42.70 to 43.70): VN060069.D (-2772) (-)

Ion 58.00 (57.70 to 58.70): VN060069.D (-2772) (-)

10.74

10.80



#60

Dibromochloromethane

Concen: 18.973 ug/l

RT: 10.89 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN060157.D

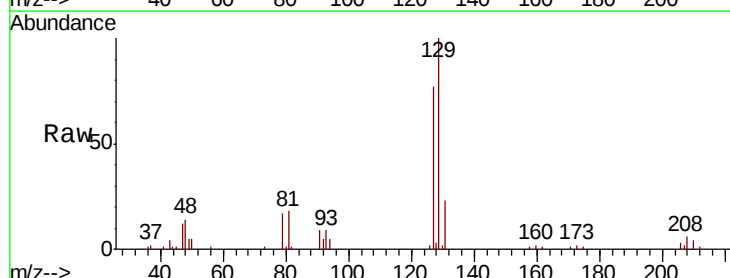
Acq: 19 Feb 2020 15:40

Tgt Ion: 129 Resp: 42286

Ion Ratio Lower Upper

129 100

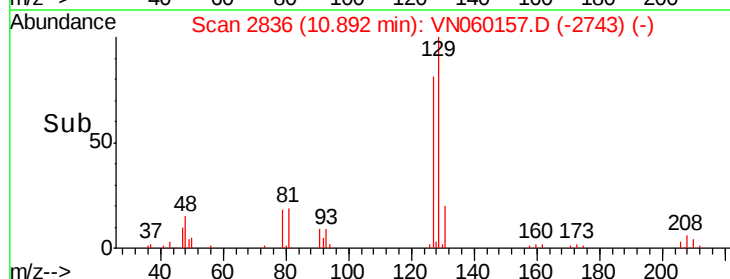
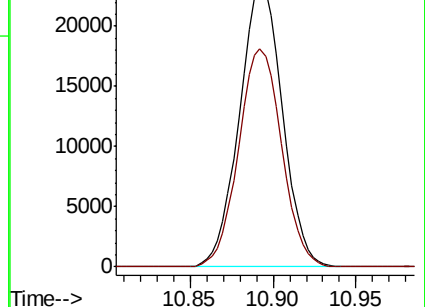
127 77.5 38.0 114.1

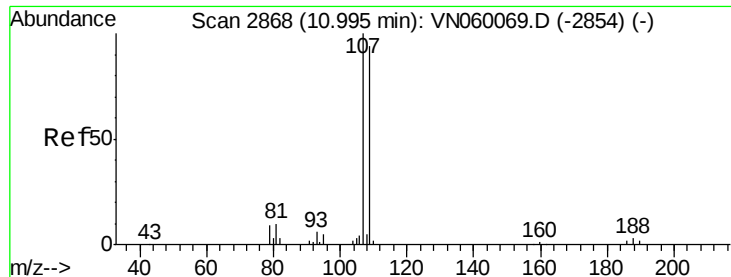


Abundance Ion 128.80 (128.50 to 129.50): VN060069.D (-2822) (-)

Ion 126.80 (126.50 to 127.50): VN060069.D (-2822) (-)

10.89





#61

1,2-Dibromoethane

Concen: 18.948 ug/l

RT: 10.99 min Scan# 2868

Delta R.T. 0.00 min

Lab File: VN060157.D

Acq: 19 Feb 2020 15:40

Instrument :

MSVOA_N

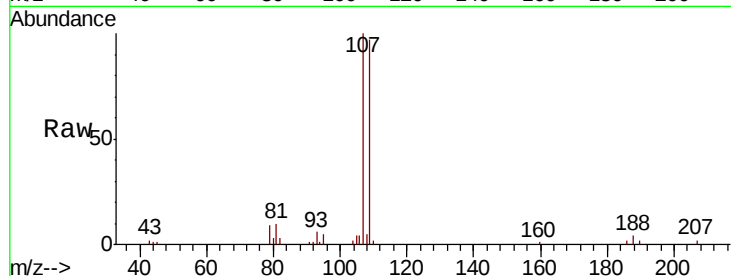
ClientSampleId :

Tot Ion:107 Resp: 38577

Ion Ratio Lower Upper

107 100

109 98.4 75.4 113.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

25000

20000

15000

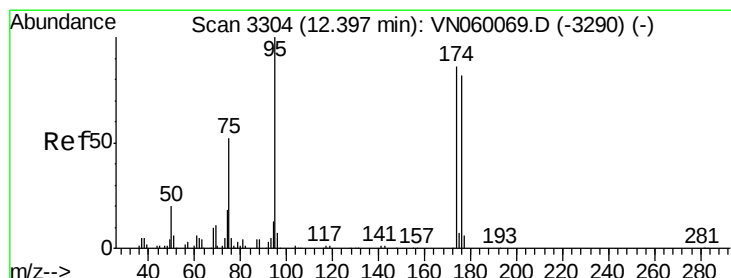
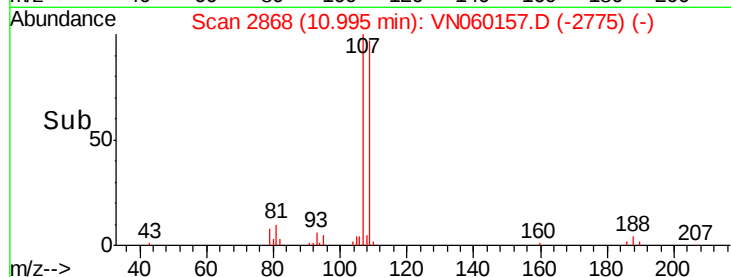
10000

5000

0

Time-->

10.95 11.00 11.05



#62

4-Bromofluorobenzene

Concen: 47.719 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060157.D

Acq: 19 Feb 2020 15:40

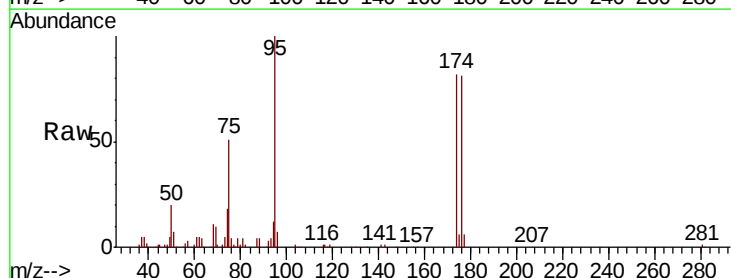
Tgt Ion: 95 Resp: 119926

Ion Ratio Lower Upper

95 100

174 84.1 0.0 169.8

176 81.7 0.0 164.8



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

100000

80000

60000

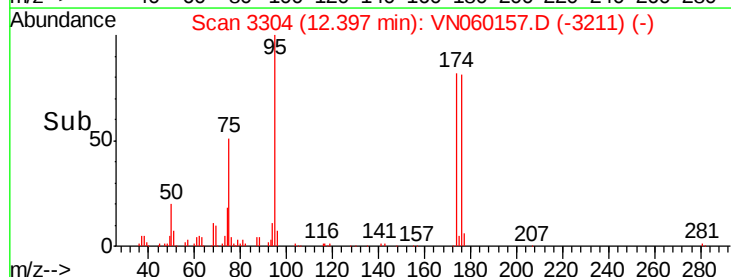
40000

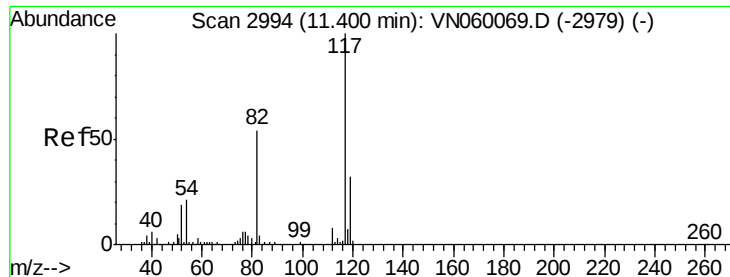
20000

0

Time-->

12.30 12.35 12.40 12.45

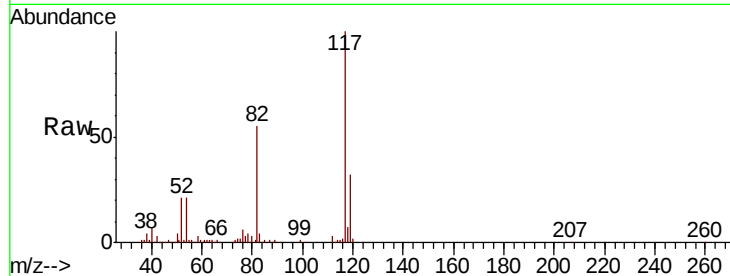




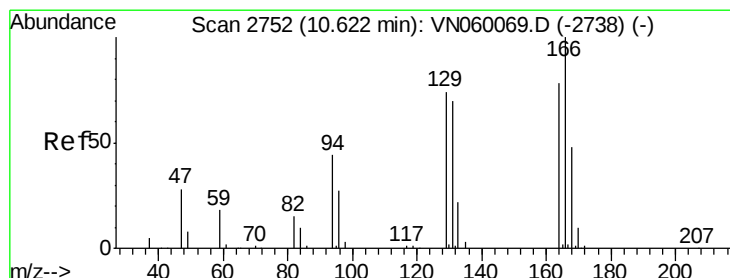
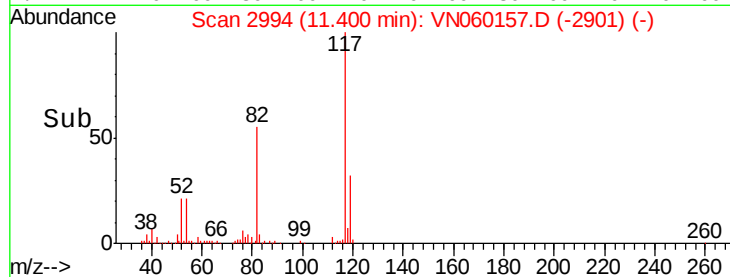
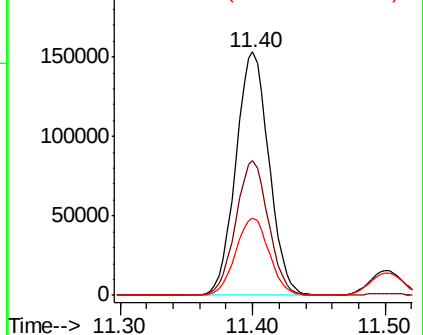
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060157.D
Acq: 19 Feb 2020 15:40

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 266425
Ion Ratio Lower Upper
117 100
82 55.3 43.4 65.0
119 31.9 25.8 38.6

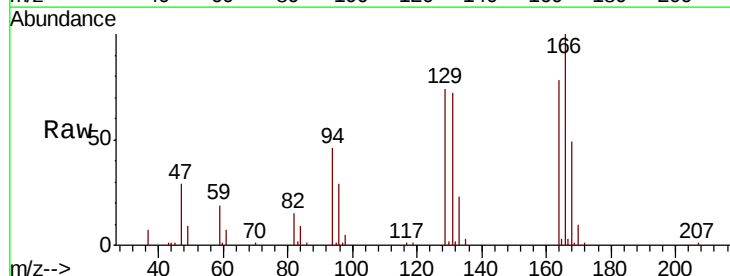


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

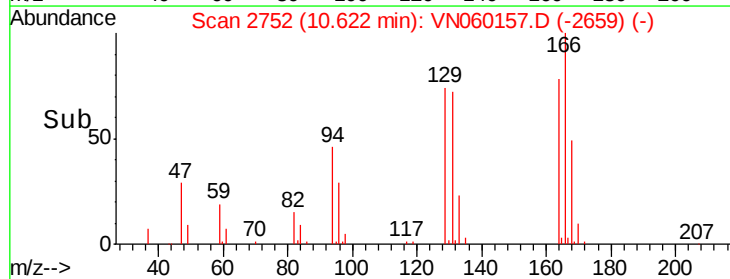
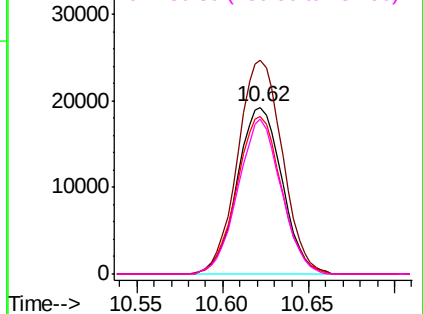


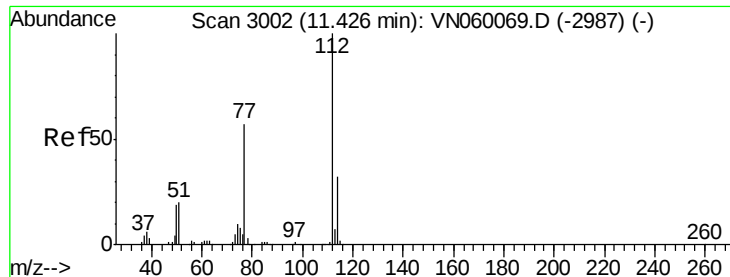
#64
Tetrachloroethene
Concen: 17.216 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060157.D
Acq: 19 Feb 2020 15:40

Tgt Ion:164 Resp: 34869
Ion Ratio Lower Upper
164 100
166 127.9 101.9 152.9
129 94.5 75.4 113.0
131 92.7 71.4 107.2



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

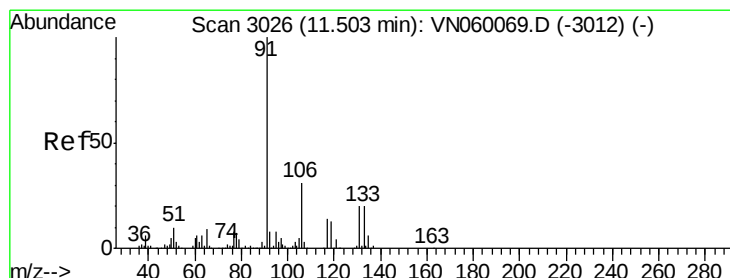
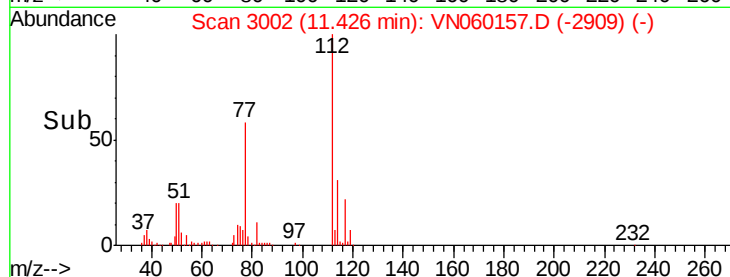
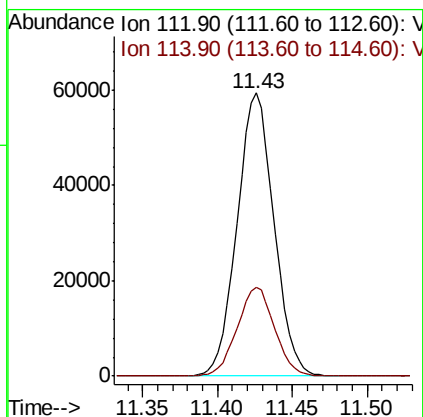
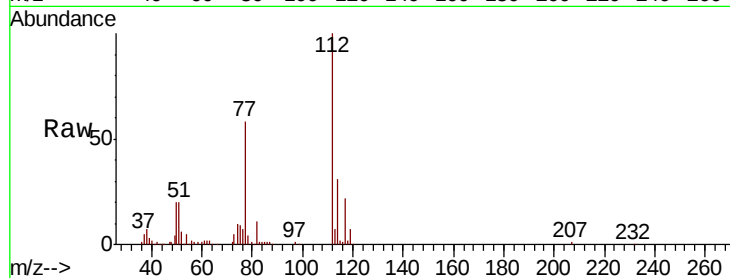




#65
Chlorobenzene
Concen: 18.764 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN060157.D
Acq: 19 Feb 2020 15:40

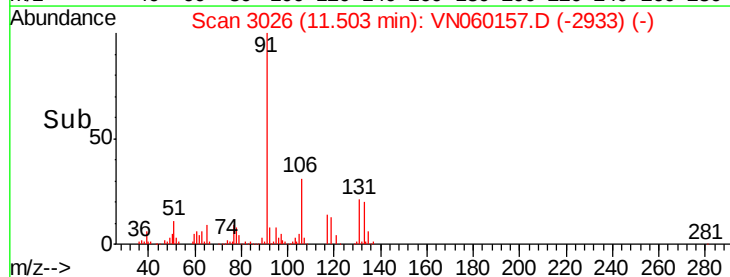
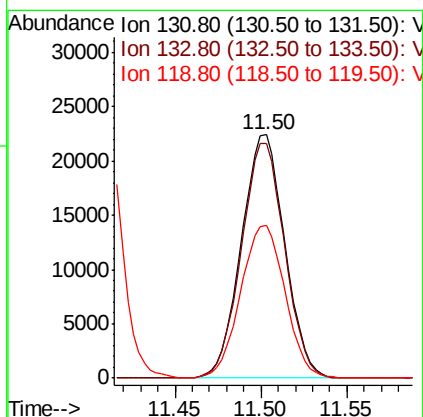
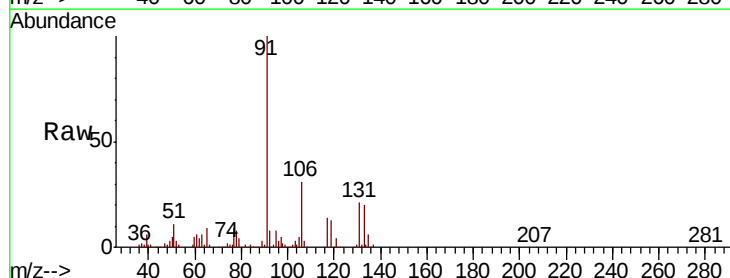
Instrument :
MSVOA_N
ClientSampleId :

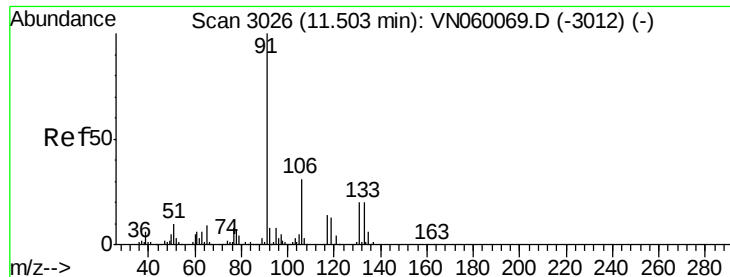
Tot Ion:112 Resp: 101852
Ion Ratio Lower Upper
112 100
114 31.5 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 19.107 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060157.D
Acq: 19 Feb 2020 15:40

Tgt Ion:131 Resp: 39235
Ion Ratio Lower Upper
131 100
133 96.2 47.9 143.7
119 64.3 32.6 97.7





#67

Ethyl Benzene

Concen: 18.553 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060157.D

Acq: 19 Feb 2020 15:40

Instrument :

MSVOA_N

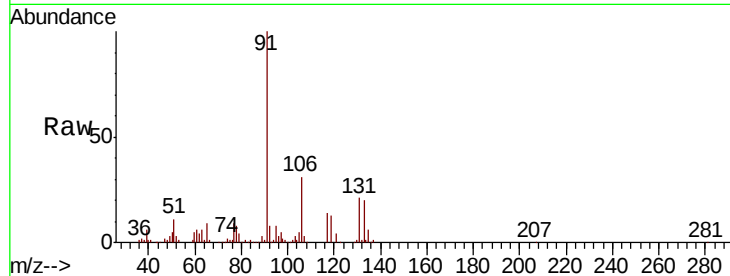
ClientSampled :

Tot Ion: 91 Resp: 181629

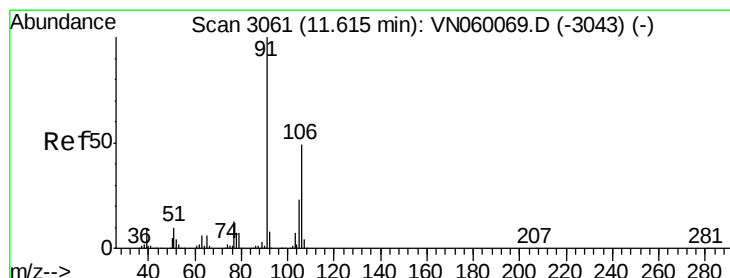
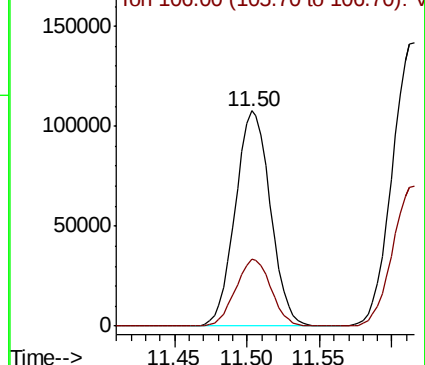
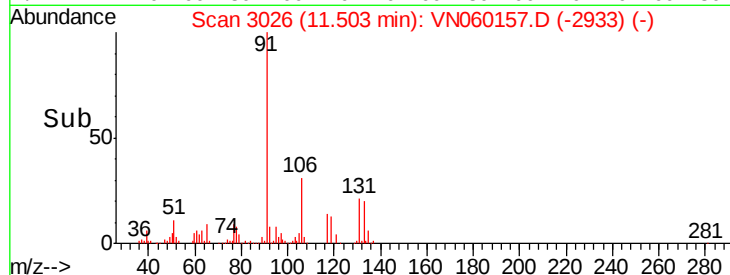
Ion Ratio Lower Upper

91 100

106 30.9 25.1 37.7



Abundance Ion 91.00 (90.70 to 91.70): VN060157.D (-2933) (-)



#68

m/p-Xylenes

Concen: 37.030 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN060157.D

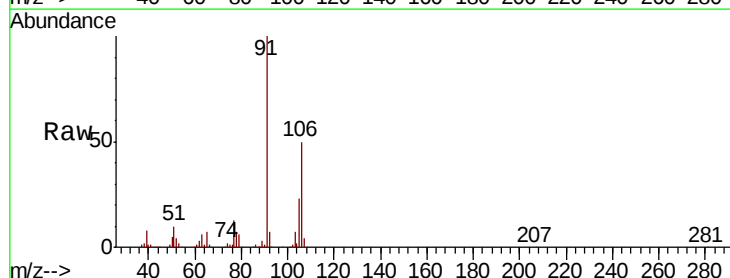
Acq: 19 Feb 2020 15:40

Tgt Ion: 106 Resp: 136058

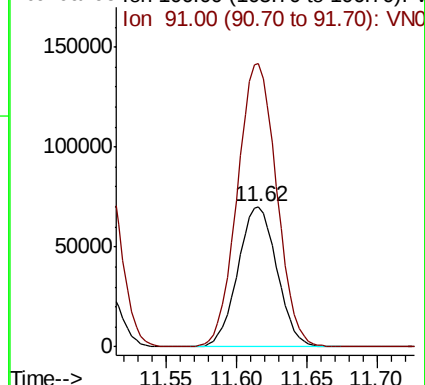
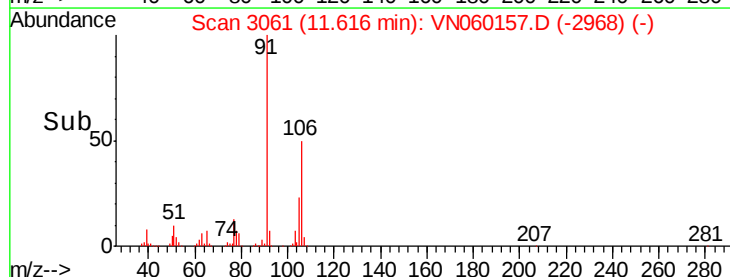
Ion Ratio Lower Upper

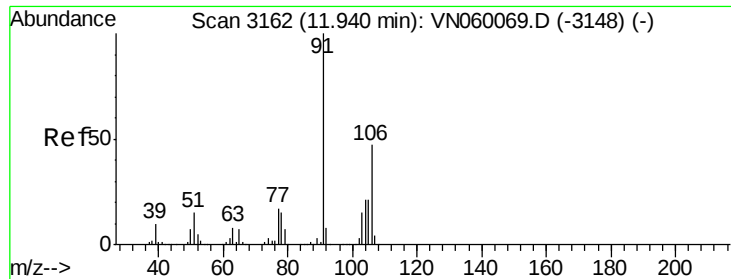
106 100

91 202.7 162.7 244.1



Abundance Ion 106.00 (105.70 to 106.70): VN060157.D (-2968) (-)

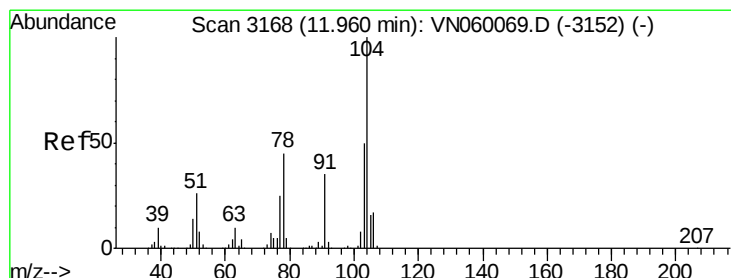
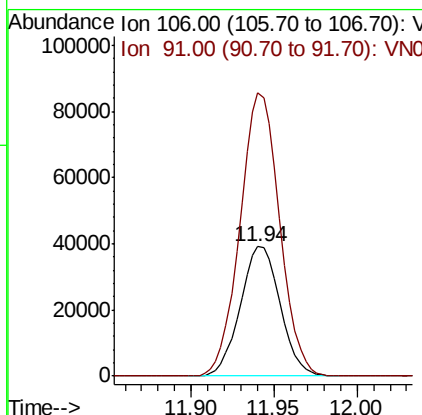
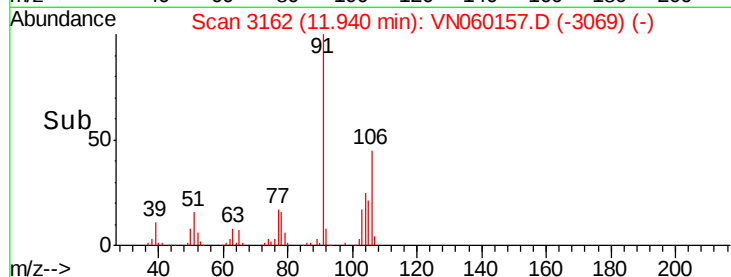
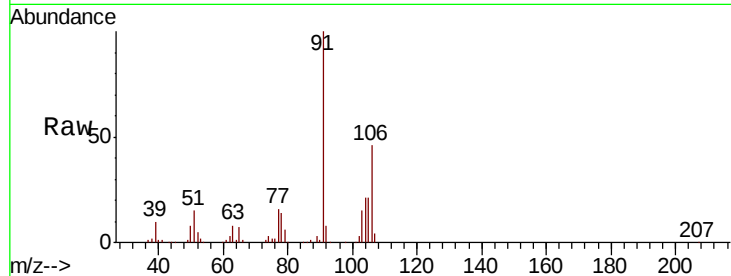




#69
o-Xylene
Concen: 18.587 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060157.D
Acq: 19 Feb 2020 15:40

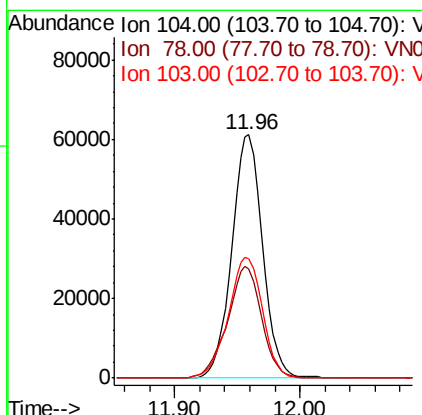
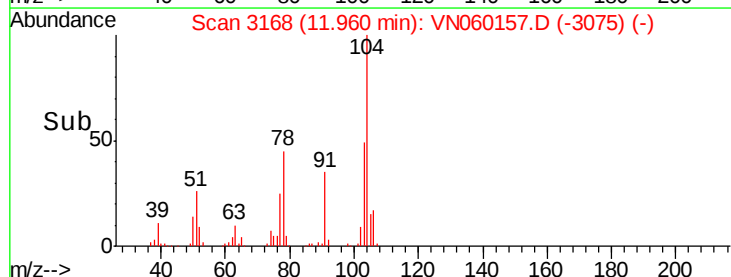
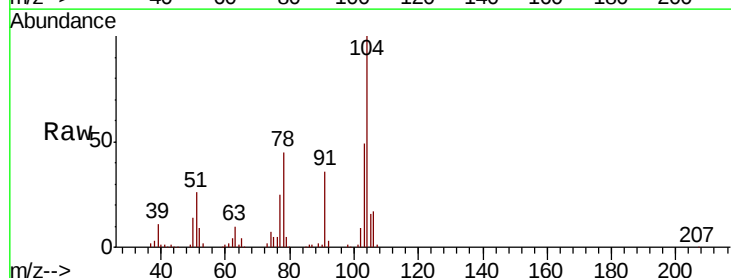
Instrument :
MSVOA_N
ClientSampled :

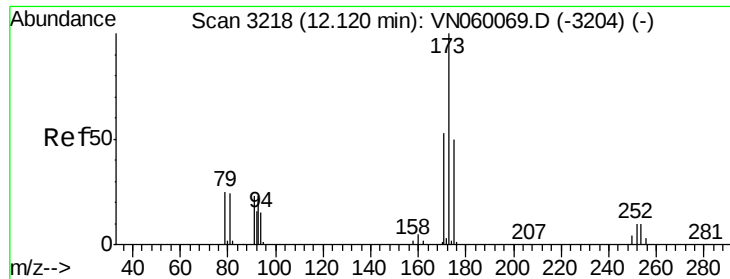
Tot Ion:106 Resp: 65755
Ion Ratio Lower Upper
106 100
91 216.3 107.2 321.6



#70
Styrene
Concen: 18.346 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN060157.D
Acq: 19 Feb 2020 15:40

Tgt Ion:104 Resp: 104662
Ion Ratio Lower Upper
104 100
78 50.4 40.2 60.2
103 54.9 44.3 66.5

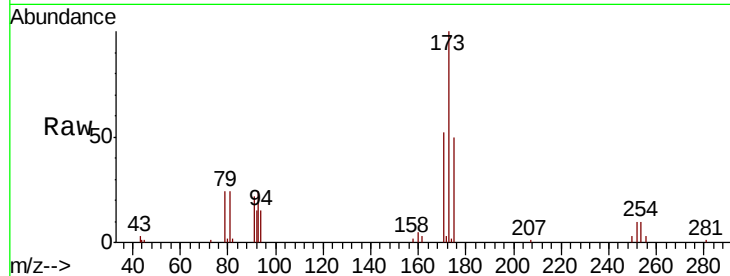




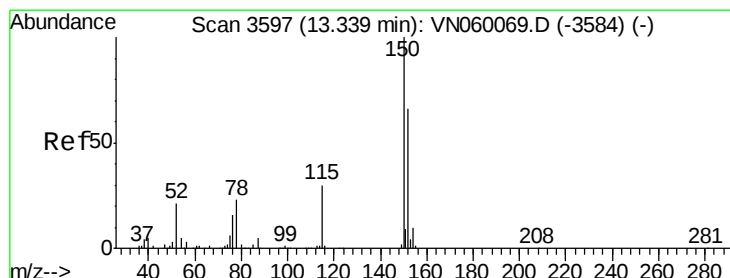
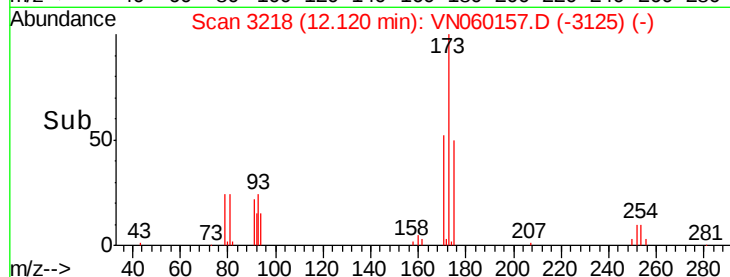
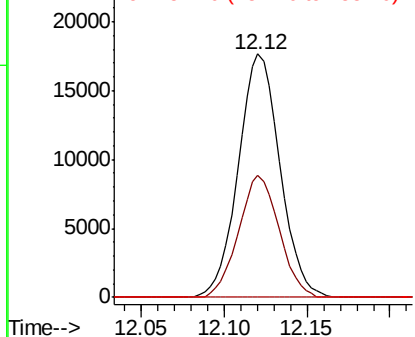
#71
Bromoform
Concen: 18.655 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN060157.D
Acq: 19 Feb 2020 15:40

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:173 Resp: 30810
Ion Ratio Lower Upper
173 100
175 48.7 24.9 74.6
254 0.0 0.0 0.0

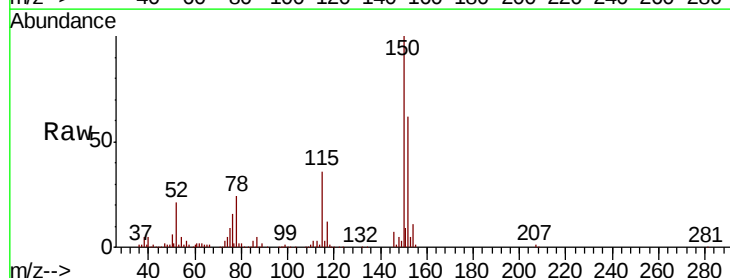


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

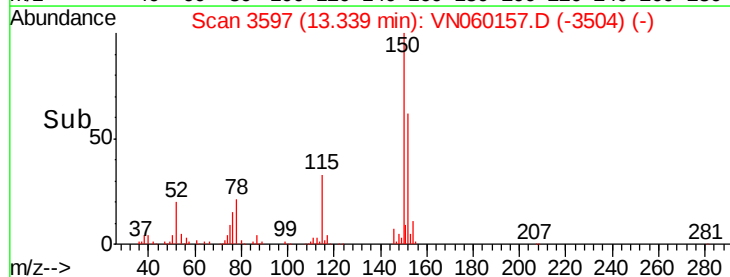
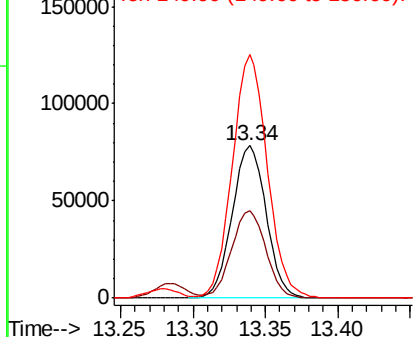


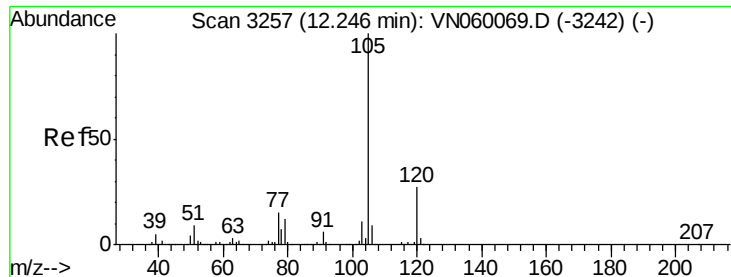
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060157.D
Acq: 19 Feb 2020 15:40

Tgt Ion:152 Resp: 128071
Ion Ratio Lower Upper
152 100
115 57.7 28.9 86.8
150 164.2 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: 18.478 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060157.D

Acq: 19 Feb 2020 15:40

Instrument :

MSVOA_N

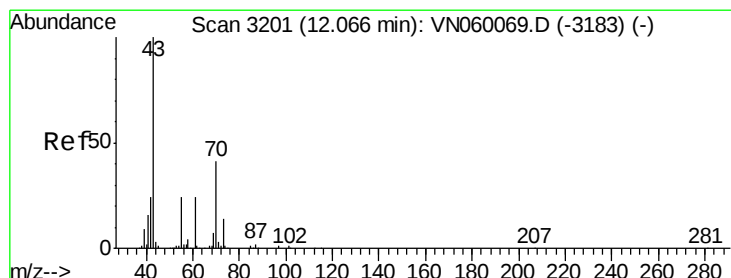
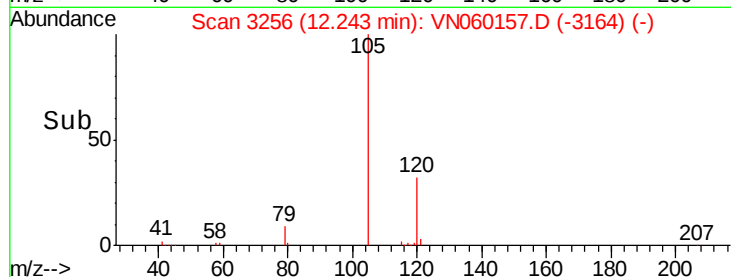
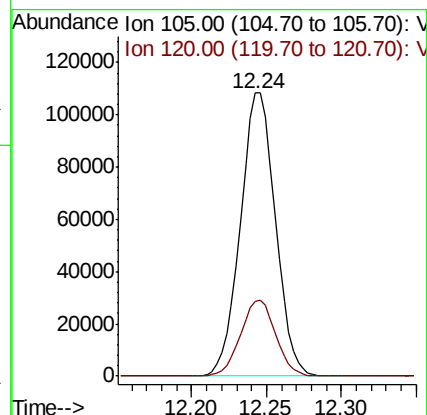
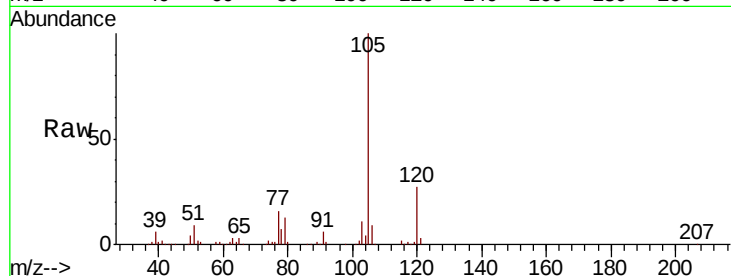
ClientSampleId :

Tot Ion:105 Resp: 176722

Ion Ratio Lower Upper

105 100

120 26.8 13.3 39.8



#74

N-ethyl acetate

Concen: 19.518 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060157.D

Acq: 19 Feb 2020 15:40

Tgt Ion: 43 Resp: 67309

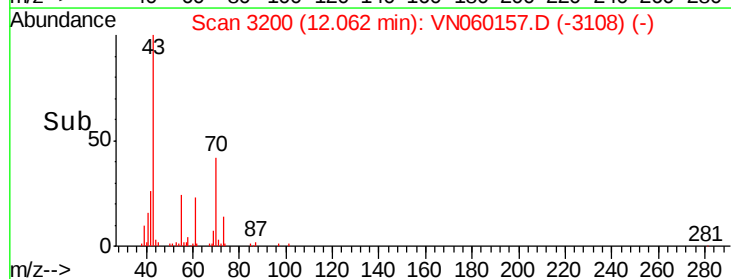
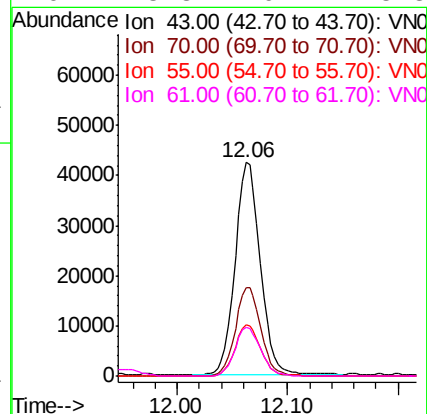
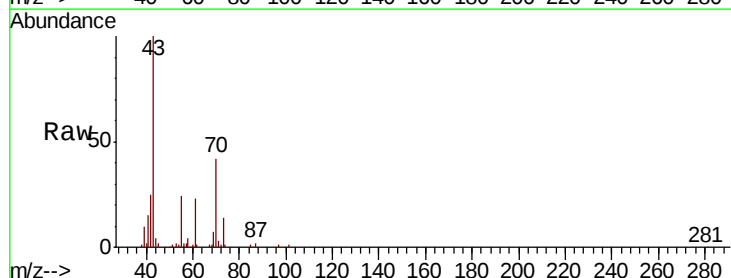
Ion Ratio Lower Upper

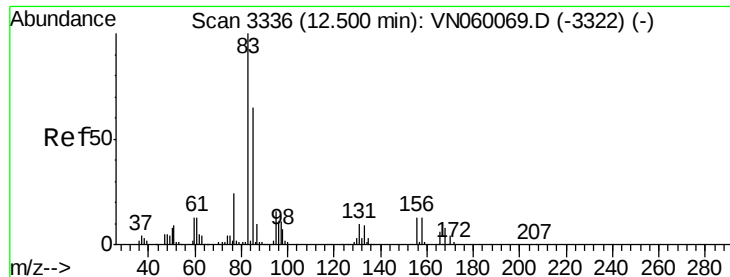
43 100

70 41.8 33.4 50.0

55 24.2 18.8 28.2

61 23.3 19.2 28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 20.408 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060157.D

Acq: 19 Feb 2020 15:40

Instrument :

MSVOA_N

ClientSampleId :

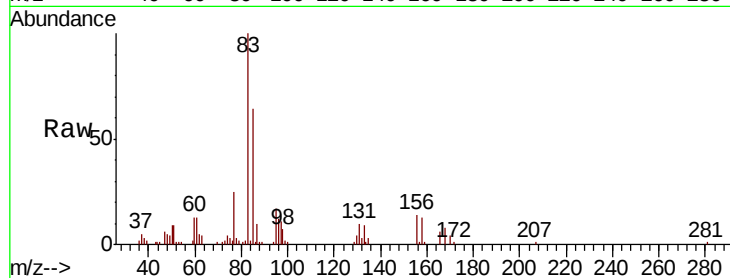
Tot Ion: 83 Resp: 56178

Ion Ratio Lower Upper

83 100

131 10.2 5.2 15.6

85 63.8 32.3 96.9



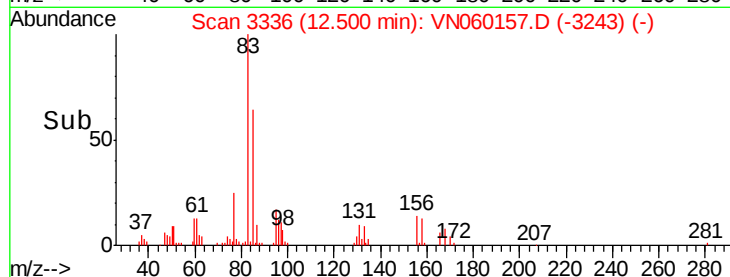
Abundance Ion 82.90 (82.60 to 83.60): VN060157.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN060157.D (-3243) (-)

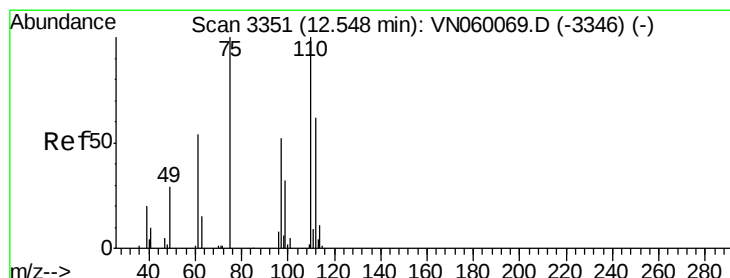
Ion 84.90 (84.60 to 85.60): VN060157.D (-3243) (-)

12.50

Time-->



Time-->



#76

1,2,3-Trichloropropane

Concen: 29.666 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN060157.D

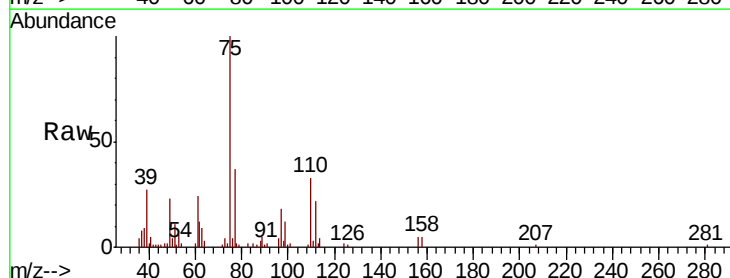
Acq: 19 Feb 2020 15:40

Tgt Ion: 75 Resp: 72691

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

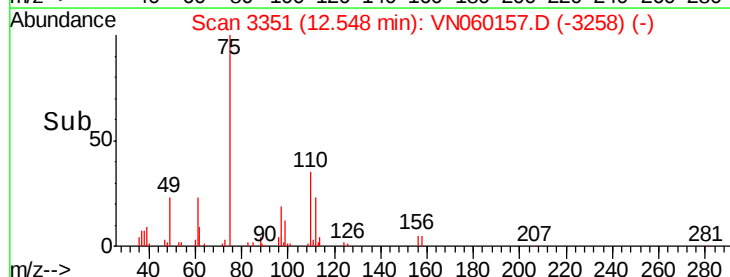


Abundance Ion 74.90 (74.60 to 75.60): VN060157.D (-3258) (-)

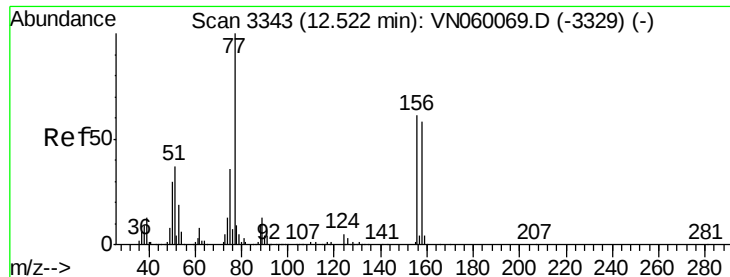
Ion 77.00 (76.70 to 77.70): VN060157.D (-3258) (-)

12.55

Time-->



Time-->



#77

Bromobenzene

Concen: 18.943 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN060157.D

Acq: 19 Feb 2020 15:40

Instrument :

MSVOA_N

ClientSampled :

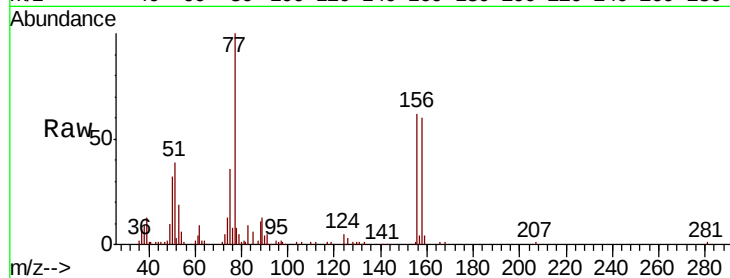
Tot Ion:156 Resp: 44959

Ion Ratio Lower Upper

156 100

77 196.2 98.7 296.1

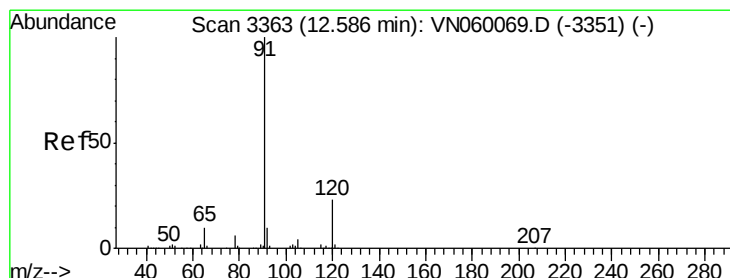
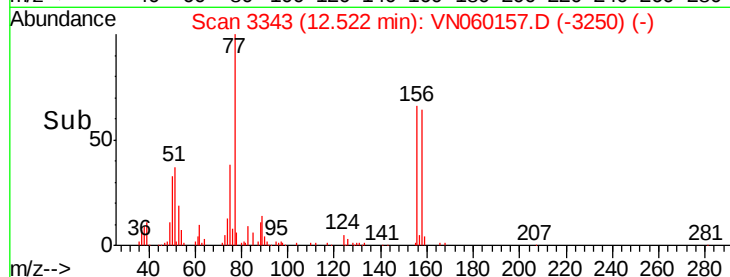
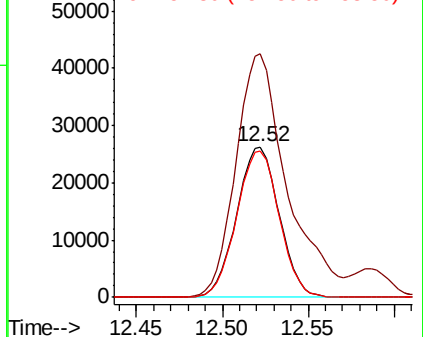
158 97.7 48.1 144.4



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: 18.401 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060157.D

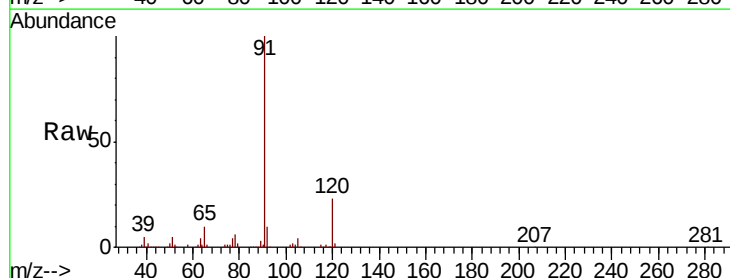
Acq: 19 Feb 2020 15:40

Tgt Ion: 91 Resp: 200499

Ion Ratio Lower Upper

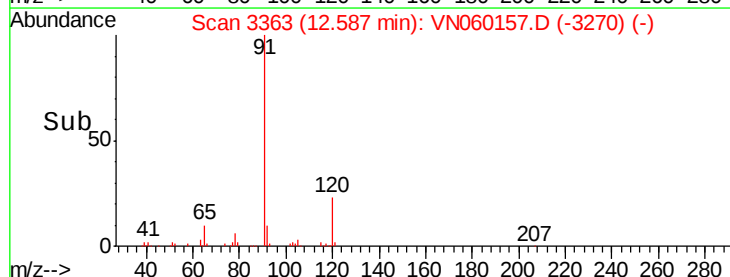
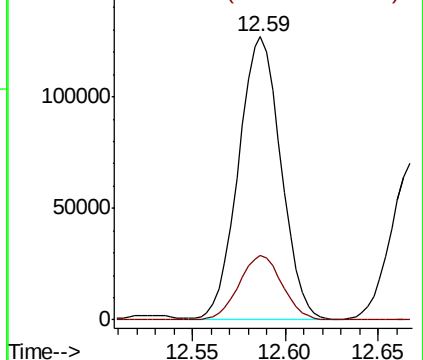
91 100

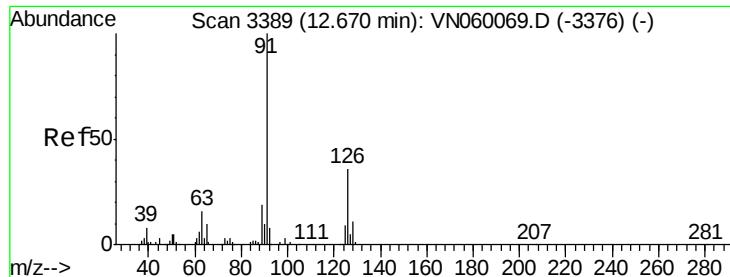
120 23.2 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.503 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN060157.D

Acq: 19 Feb 2020 15:40

Instrument :

MSVOA_N

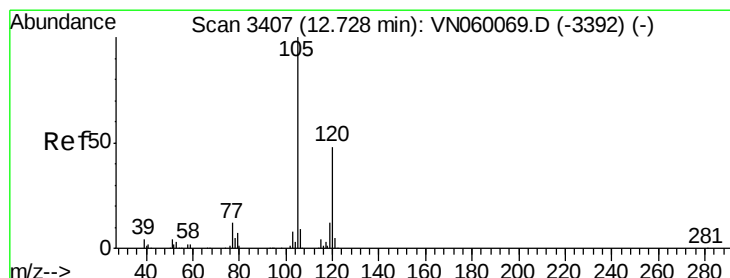
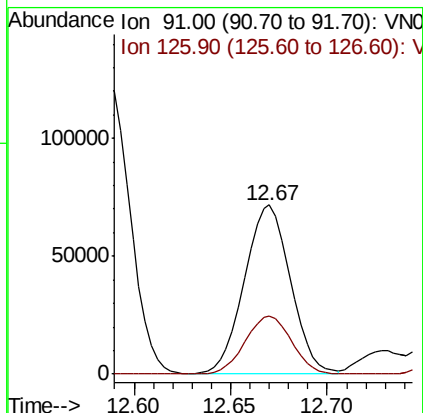
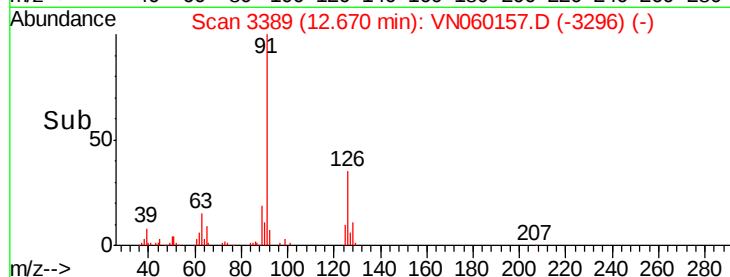
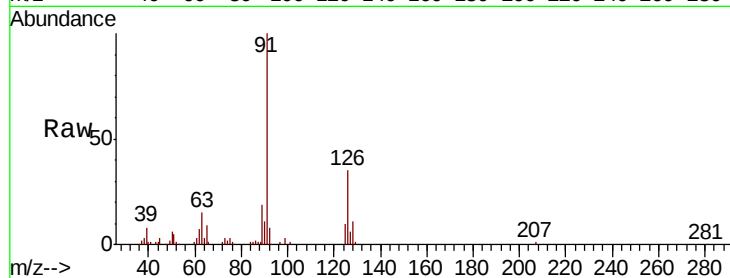
ClientSampleId :

Tot Ion: 91 Resp: 118502

Ion Ratio Lower Upper

91 100

126 34.8 17.4 52.2



#80

1,3,5-Trimethylbenzene

Concen: 18.728 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060157.D

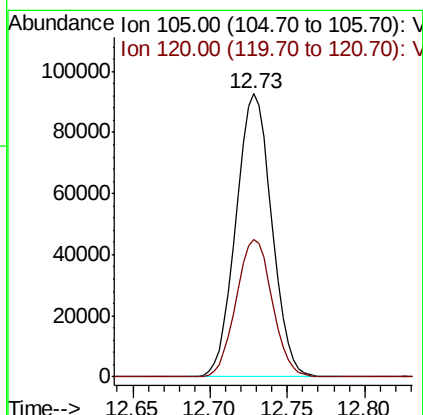
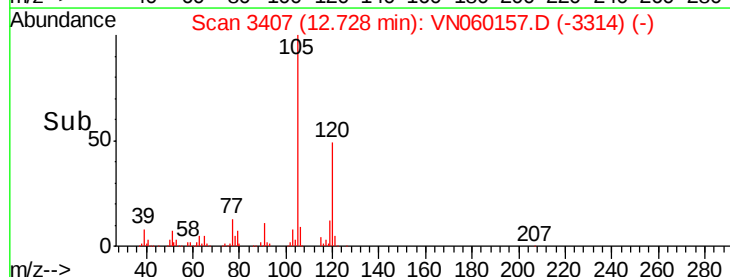
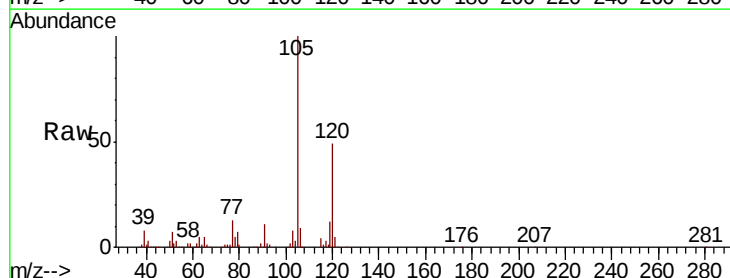
Acq: 19 Feb 2020 15:40

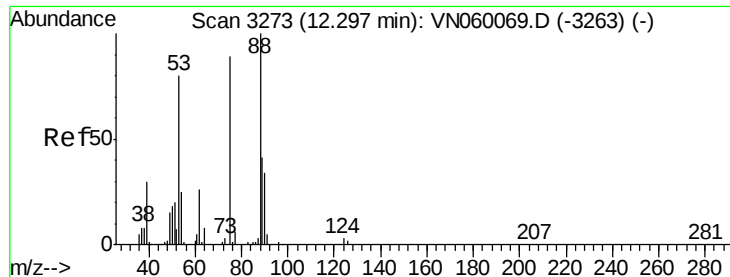
Tgt Ion: 105 Resp: 148919

Ion Ratio Lower Upper

105 100

120 49.0 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 18.641 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. -0.00 min

Lab File: VN060157.D

Acq: 19 Feb 2020 15:40

Instrument :

MSVOA_N

ClientSampled :

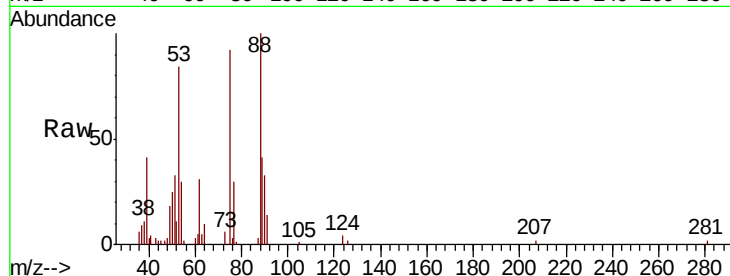
Tot Ion: 75 Resp: 18654

Ion Ratio Lower Upper

75 100

53 95.0 73.9 110.9

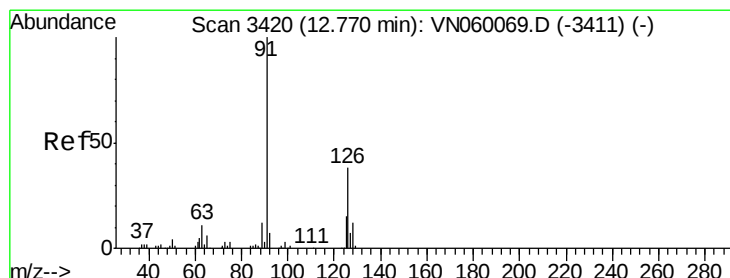
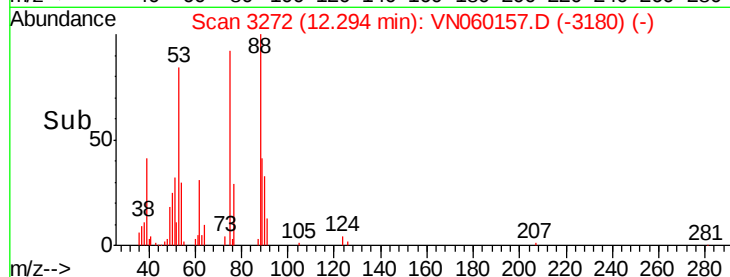
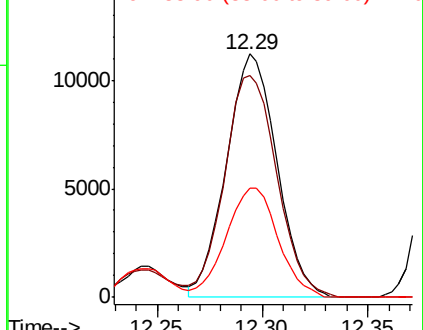
89 46.3 37.0 55.4



Abundance Ion 74.90 (74.60 to 75.60): VN060069.D (-3263) (-)

Ion 53.00 (52.70 to 53.70): VN060069.D (-3263) (-)

Ion 88.90 (88.60 to 89.60): VN060069.D (-3263) (-)



#82

4-Chlorotoluene

Concen: 18.514 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN060157.D

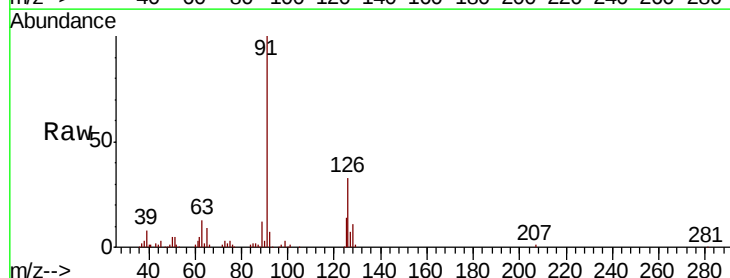
Acq: 19 Feb 2020 15:40

Tgt Ion: 91 Resp: 121649

Ion Ratio Lower Upper

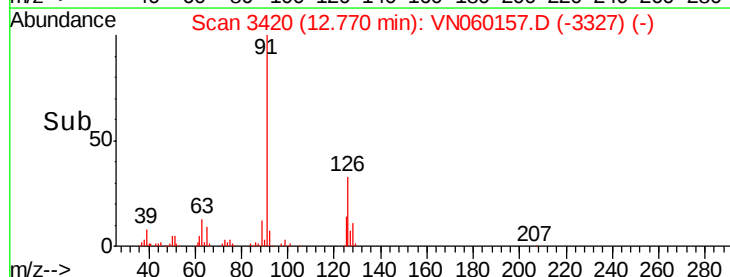
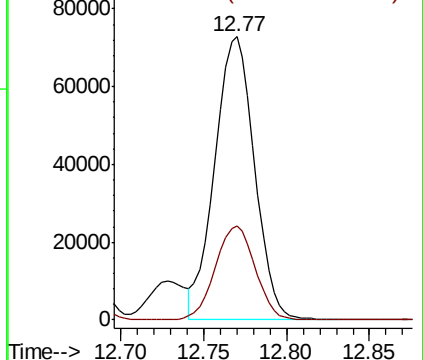
91 100

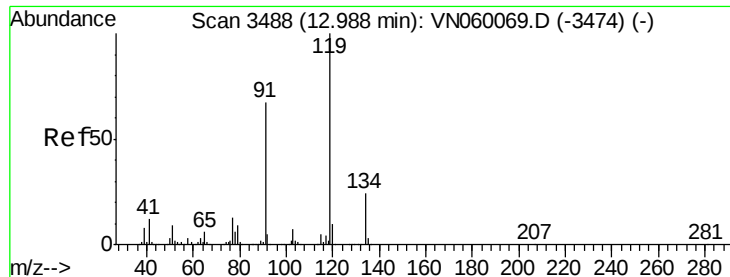
126 33.2 17.1 51.3



Abundance Ion 91.00 (90.70 to 91.70): VN060069.D (-3411) (-)

Ion 125.90 (125.60 to 126.60): VN060069.D (-3411) (-)

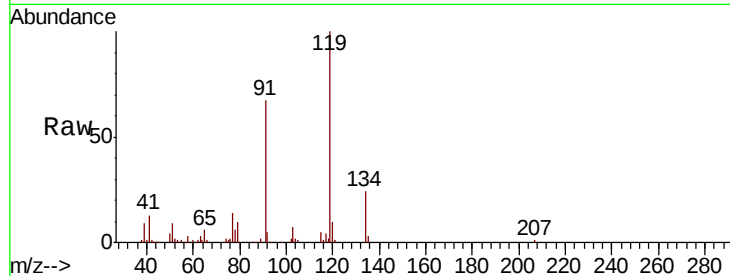




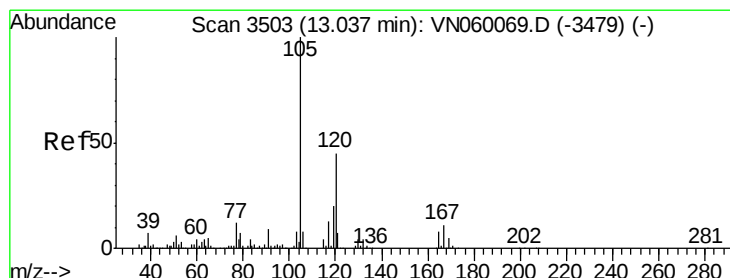
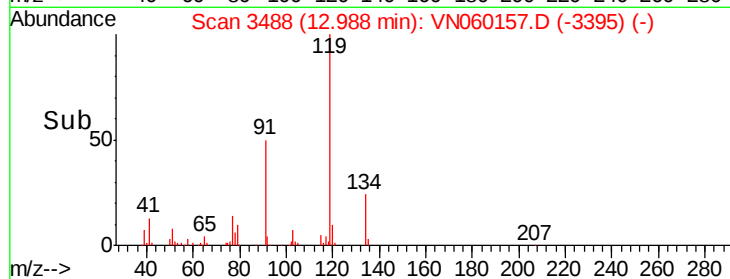
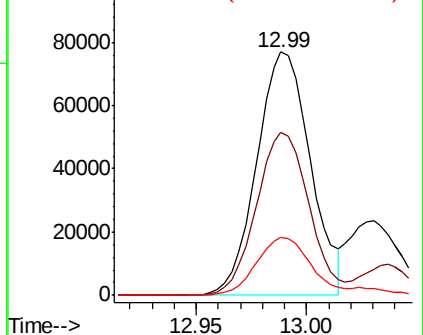
#83
 tert-Butylbenzene
 Concen: 18.408 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. 0.00 min
 Lab File: VN060157.D
 Acq: 19 Feb 2020 15:40

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:119 Resp: 129489
 Ion Ratio Lower Upper
 119 100
 91 65.6 32.7 98.1
 134 26.2 12.9 38.7

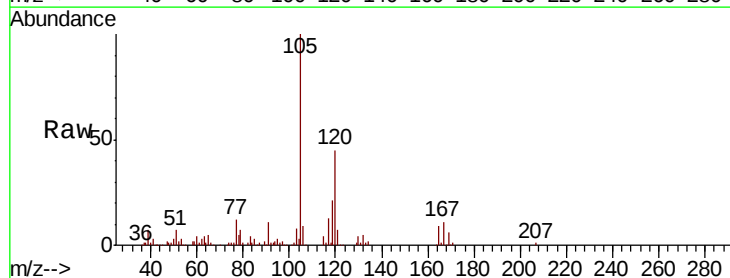


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

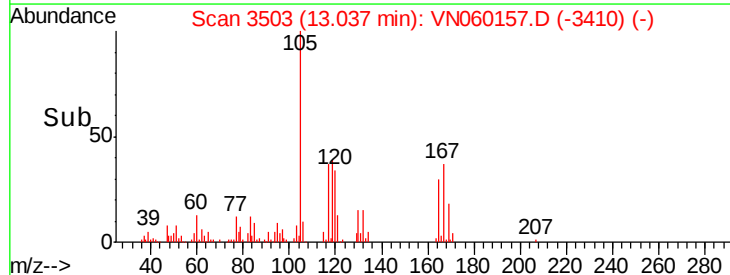
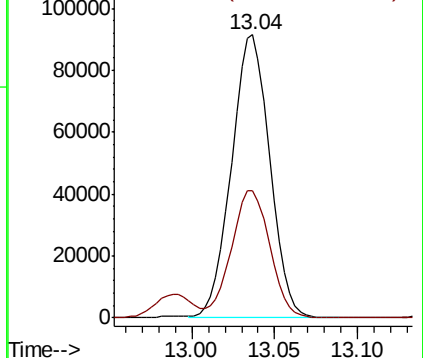


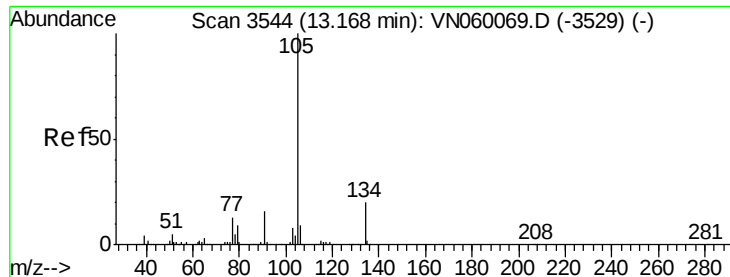
#84
 1,2,4-Trimethylbenzene
 Concen: 18.763 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN060157.D
 Acq: 19 Feb 2020 15:40

Tgt Ion:105 Resp: 147279
 Ion Ratio Lower Upper
 105 100
 120 45.1 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: 18.364 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN060157.D

Acq: 19 Feb 2020 15:40

Instrument :

MSVOA_N

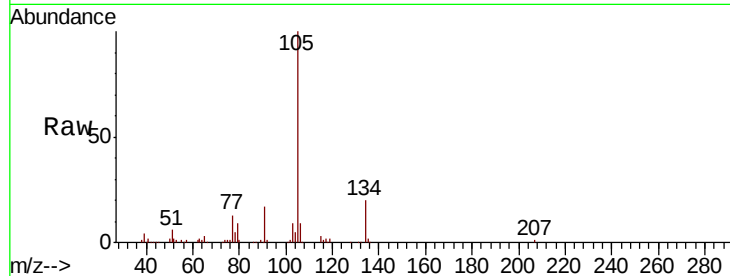
ClientSampleId :

Tot Ion:105 Resp: 171077

Ion Ratio Lower Upper

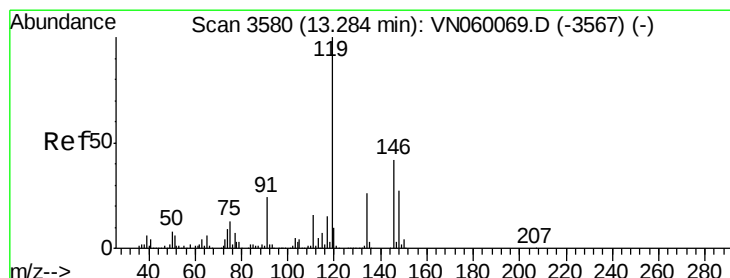
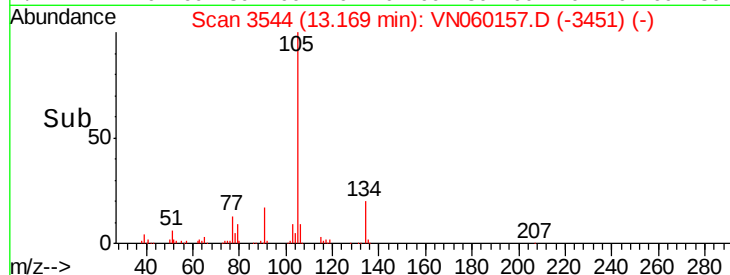
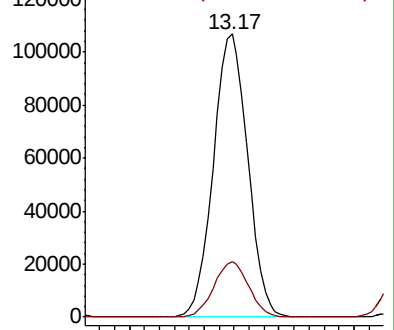
105 100

134 19.7 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: 18.500 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN060157.D

Acq: 19 Feb 2020 15:40

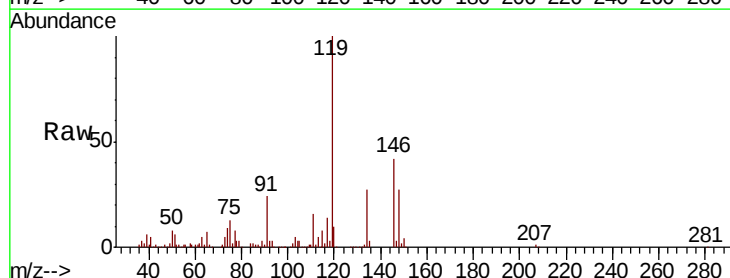
Tgt Ion:119 Resp: 156150

Ion Ratio Lower Upper

119 100

134 26.6 13.3 39.8

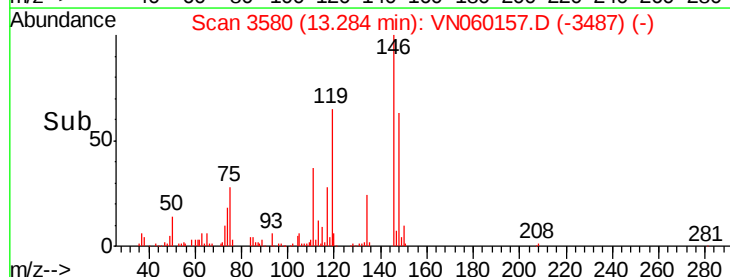
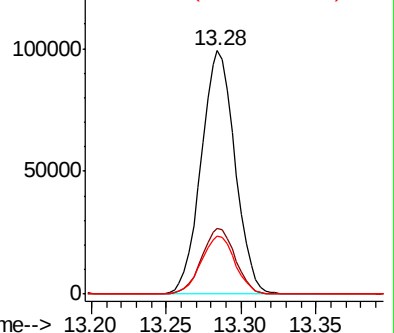
91 24.0 11.9 35.9

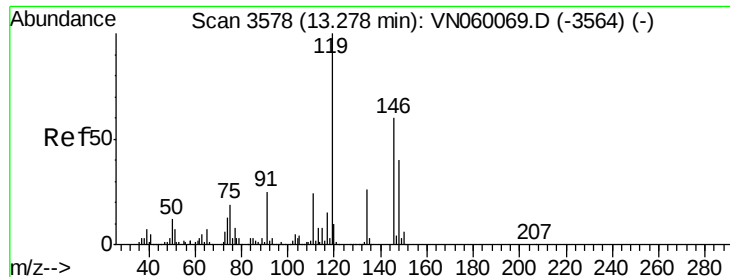


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 18.562 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN060157.D

Acq: 19 Feb 2020 15:40

Instrument :

MSVOA_N

ClientSampleId :

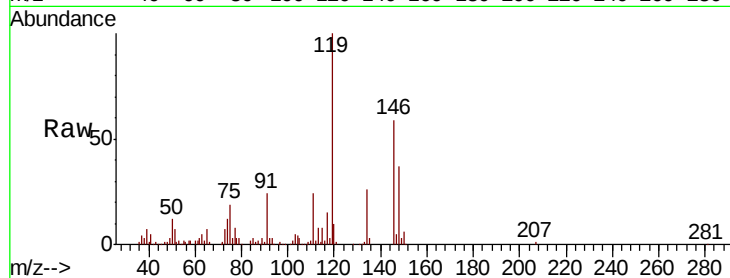
Tot Ion:146 Resp: 77985

Ion Ratio Lower Upper

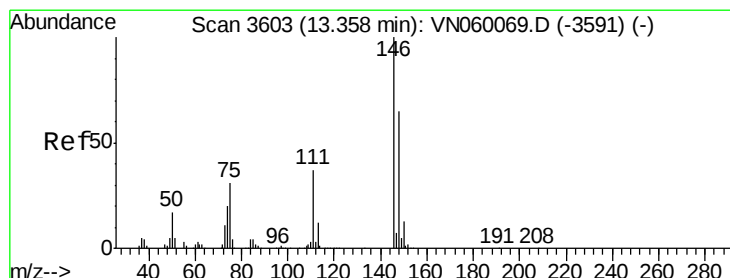
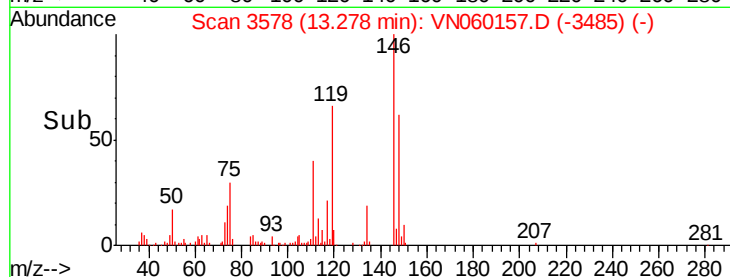
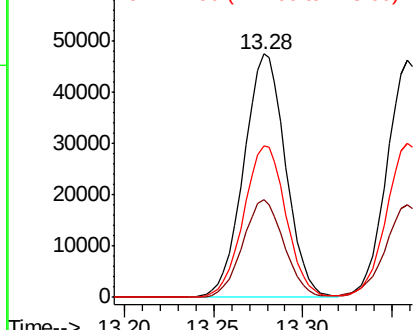
146 100

111 39.6 19.8 59.3

148 63.0 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 18.102 ug/l

RT: 13.36 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN060157.D

Acq: 19 Feb 2020 15:40

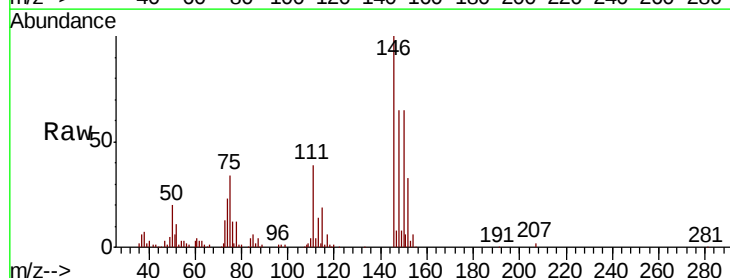
Tgt Ion:146 Resp: 76035

Ion Ratio Lower Upper

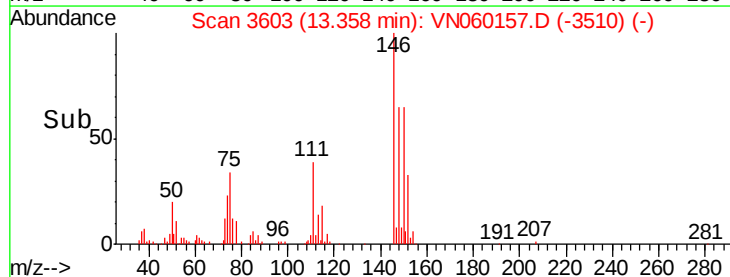
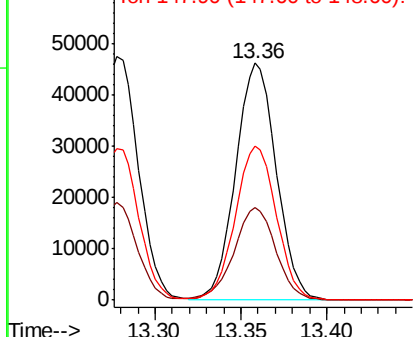
146 100

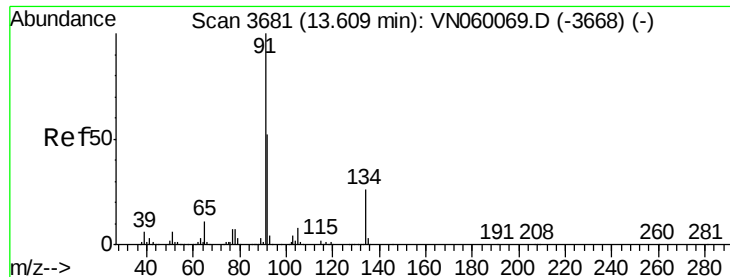
111 40.2 18.9 56.5

148 65.7 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 17.808 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN060157.D

Acq: 19 Feb 2020 15:40

Instrument :

MSVOA_N

ClientSampled :

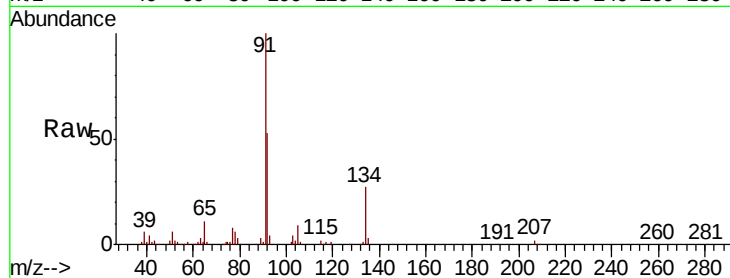
Tot Ion: 91 Resp: 132208

Ion Ratio Lower Upper

91 100

92 52.4 26.1 78.2

134 26.4 13.1 39.3

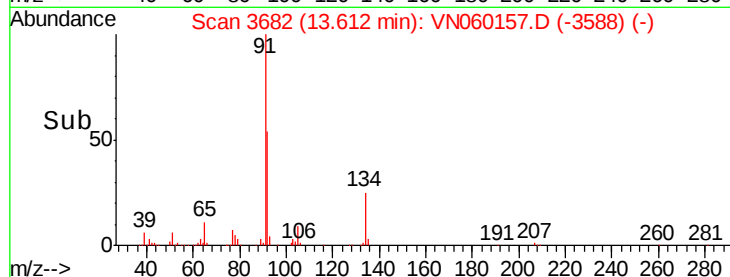


Abundance Ion 91.00 (90.70 to 91.70): VN060069.D (-3668) (-)

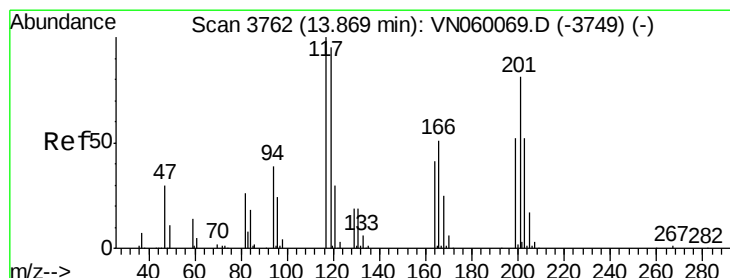
Ion 92.00 (91.70 to 92.70): VN060069.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN060069.D (-3668) (-)

Time-->



Time-->



#90

Hexachloroethane

Concen: 18.490 ug/l

RT: 13.87 min Scan# 3762

Delta R.T. 0.00 min

Lab File: VN060157.D

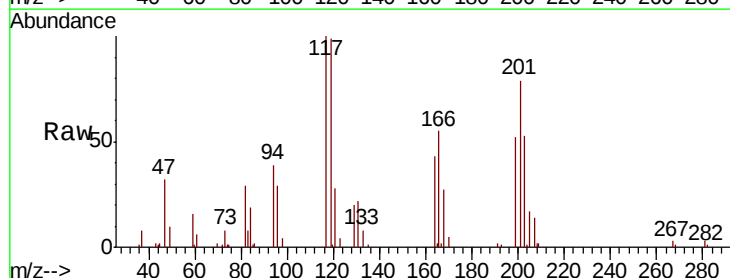
Acq: 19 Feb 2020 15:40

Tgt Ion: 117 Resp: 29156

Ion Ratio Lower Upper

117 100

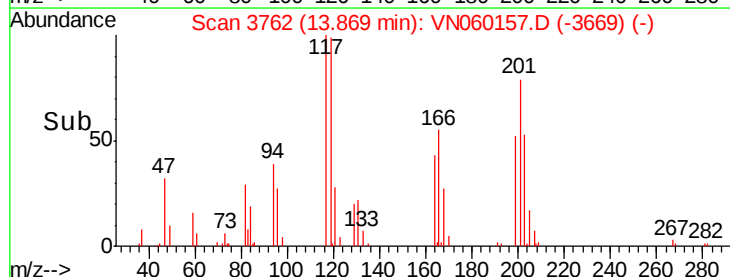
201 83.0 41.7 125.1



Abundance Ion 116.80 (116.50 to 117.50): VN060069.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN060069.D (-3749) (-)

Time-->



Time-->



#91

1,2-Dichlorobenzene

Concen: 18.865 ug/l

RT: 13.65 min Scan# 3693

Delta R.T. -0.00 min

Lab File: VN060157.D

Acq: 19 Feb 2020 15:40

Instrument :

MSVOA_N

ClientSampleId :

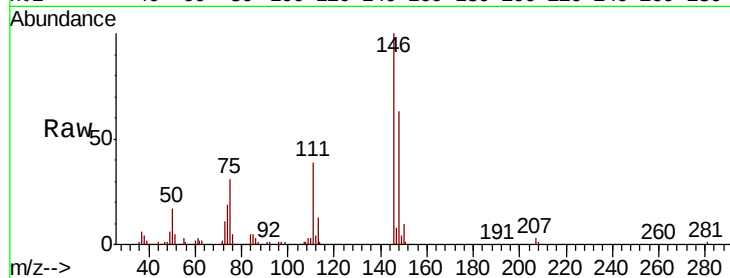
Tot Ion:146 Resp: 77564

Ion Ratio Lower Upper

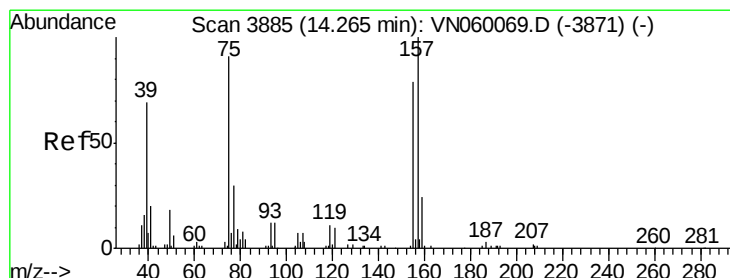
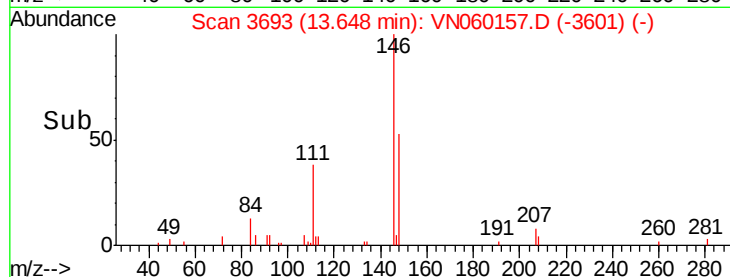
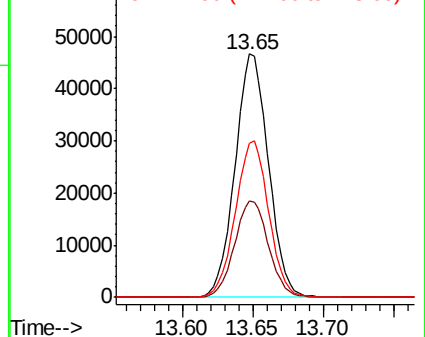
146 100

111 40.1 20.1 60.2

148 64.0 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.134 ug/l

RT: 14.26 min Scan# 3885

Delta R.T. 0.00 min

Lab File: VN060157.D

Acq: 19 Feb 2020 15:40

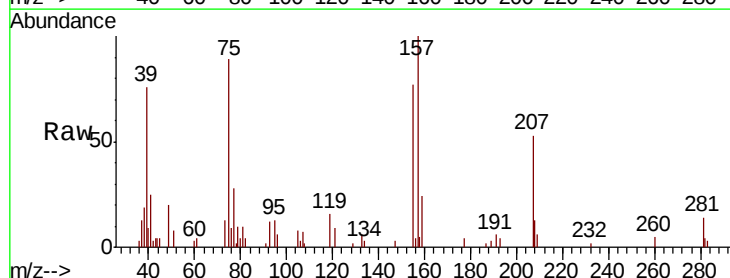
Tgt Ion: 75 Resp: 11478

Ion Ratio Lower Upper

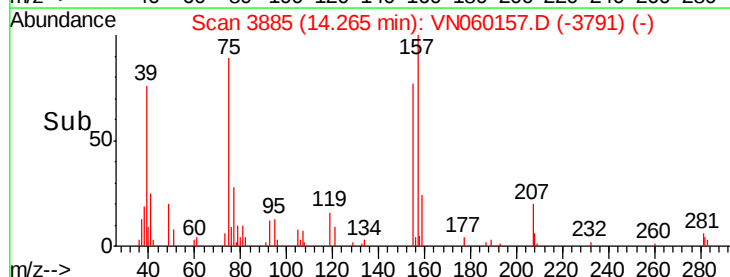
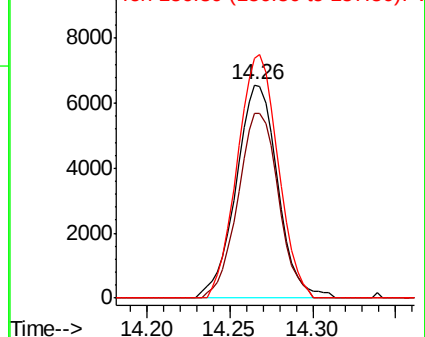
75 100

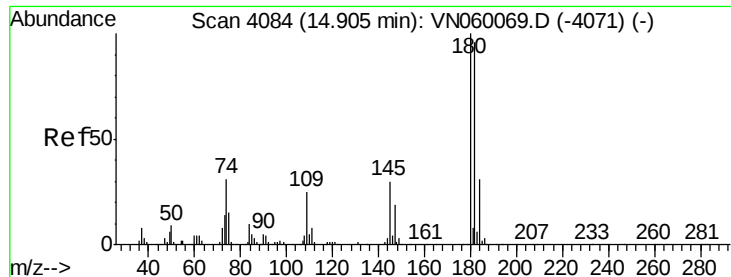
155 84.0 43.0 129.0

157 111.4 54.9 164.5



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

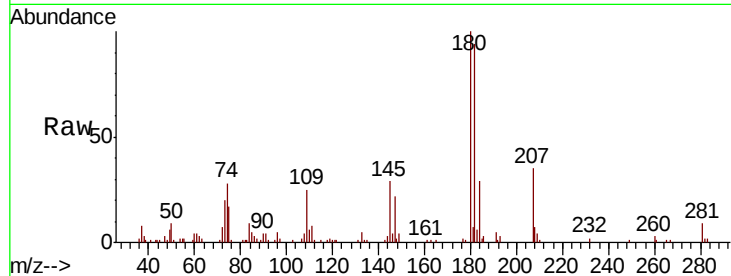




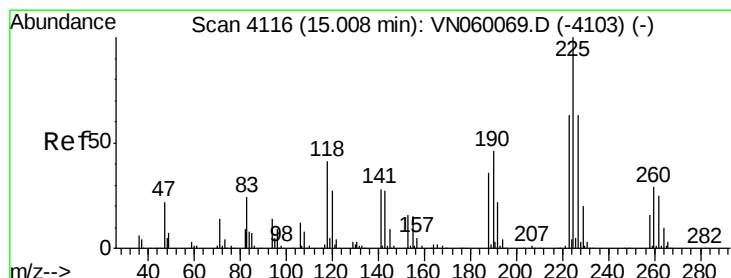
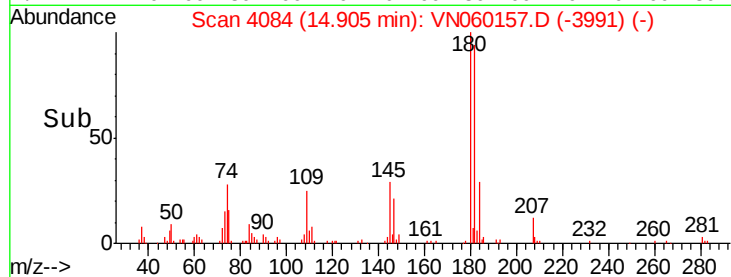
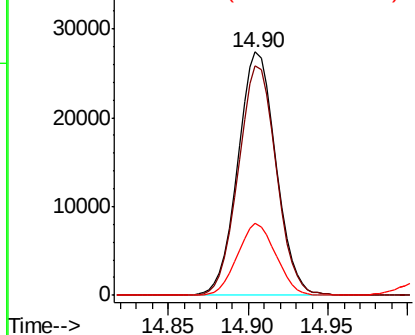
#93
 1,2,4-Trichlorobenzene
 Concen: 18.357 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN060157.D
 Acq: 19 Feb 2020 15:40

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 44346
 Ion Ratio Lower Upper
 180 100
 182 93.7 47.9 143.8
 145 29.9 15.2 45.5

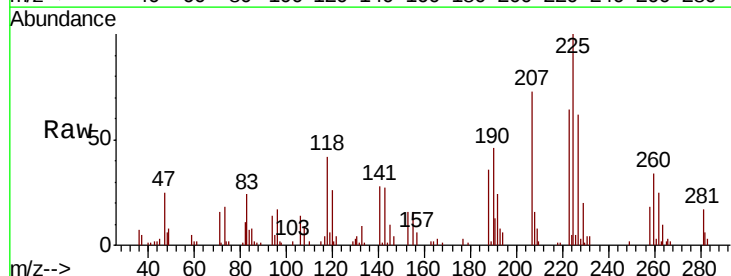


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

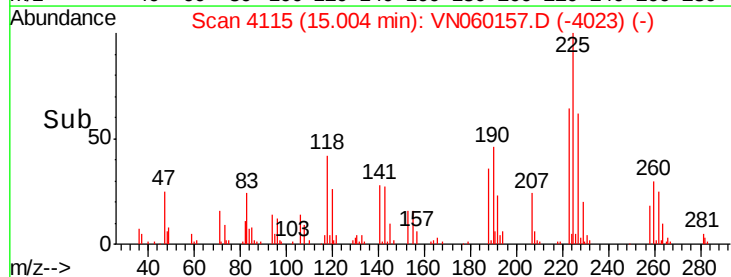
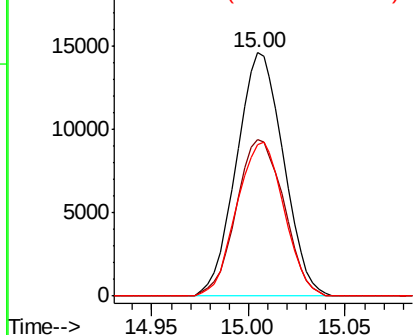


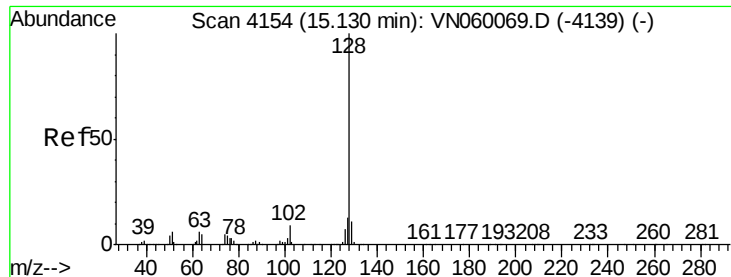
#94
 Hexachlorobutadiene
 Concen: 17.476 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. -0.00 min
 Lab File: VN060157.D
 Acq: 19 Feb 2020 15:40

Tgt Ion:225 Resp: 24716
 Ion Ratio Lower Upper
 225 100
 223 65.1 31.5 94.5
 227 63.6 31.8 95.4



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





#95

Naphthalene

Concen: 18.422 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN060157.D

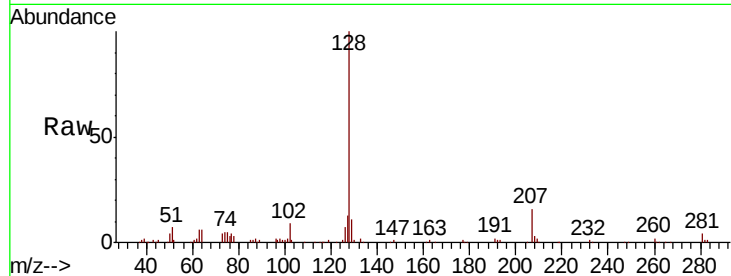
Acq: 19 Feb 2020 15:40

Instrument :

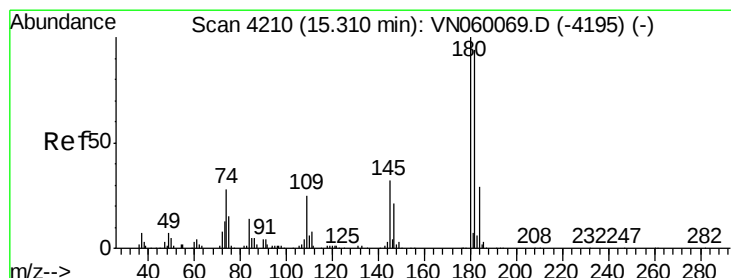
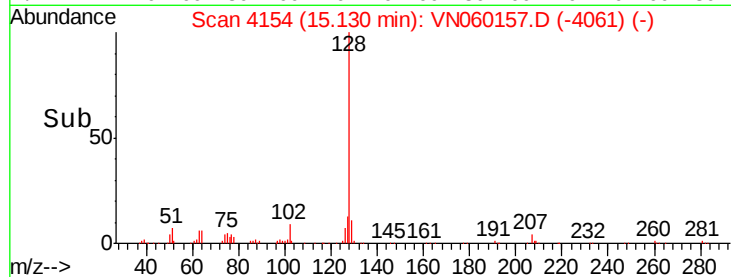
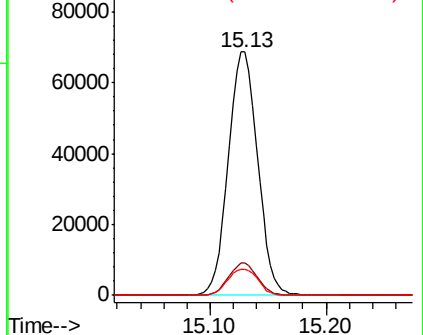
MSVOA_N

ClientSampleId :

Tot Ion:	128	Resp:	120219
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.3	15.5
129	11.0	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: 18.787 ug/l

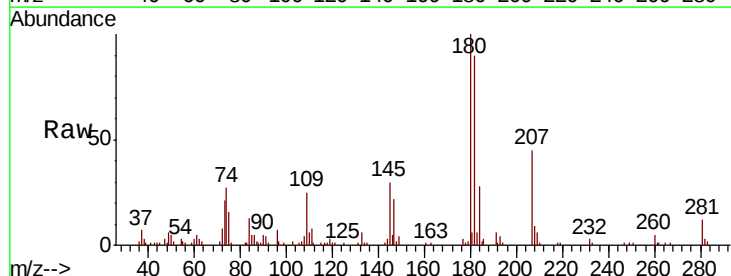
RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN060157.D

Acq: 19 Feb 2020 15:40

Tgt Ion:	180	Resp:	45196
Ion	Ratio	Lower	Upper
180	100		
182	93.4	47.5	142.5
145	30.8	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

