

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021920\
 Data File : VN060143.D
 Acq On : 19 Feb 2020 9:44
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 20 01:13:49 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	193407	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	299714	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	285431	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	144876	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	112588	47.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.68%	
35) Dibromofluoromethane	7.56	113	91179	49.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.98%	
50) Toluene-d8	10.08	98	359706	49.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.16%	
62) 4-Bromofluorobenzene	12.40	95	133737	50.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.34%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	92442	47.818	ug/l 99
3) Chloromethane	2.04	50	105166	45.712	ug/l 100
4) Vinyl Chloride	2.17	62	121426	46.305	ug/l 99
5) Bromomethane	2.54	94	72855	45.310	ug/l 99
6) Chloroethane	2.68	64	60698	45.764	ug/l 100
7) Trichlorofluoromethane	3.00	101	156476	46.282	ug/l 99
8) Diethyl Ether	3.38	74	53938	47.926	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	88301	47.042	ug/l 99
10) Methyl Iodide	3.93	142	119944	47.669	ug/l 99
11) Tert butyl alcohol	4.73	59	81319	230.902	ug/l 99
12) 1,1-Dichloroethene	3.72	96	85206	46.597	ug/l 98
13) Acrolein	3.57	56	79125	227.300	ug/l 97
14) Allyl chloride	4.29	41	123444	45.866	ug/l 98
15) Acrylonitrile	4.94	53	209536	243.627	ug/l 100
16) Acetone	3.78	43	276295	269.148	ug/l 98
17) Carbon Disulfide	4.03	76	242606	44.017	ug/l 99
18) Methyl Acetate	4.28	43	98609	51.135	ug/l 98
19) Methyl tert-butyl Ether	5.00	73	286331	46.562	ug/l 98
20) Methylene Chloride	4.52	84	96203	46.973	ug/l 98
21) trans-1,2-Dichloroethene	5.01	96	93594	46.954	ug/l 99
22) Diisopropyl ether	5.91	45	284985	48.315	ug/l 95
23) Vinyl Acetate	5.86	43	1203666	243.000	ug/l 99
24) 1,1-Dichloroethane	5.82	63	169699	47.492	ug/l 100
25) 2-Butanone	6.80	43	329003	254.829	ug/l 99
26) 2,2-Dichloropropane	6.79	77	161772	47.665	ug/l 100
27) cis-1,2-Dichloroethene	6.80	96	109407	46.900	ug/l 99
28) Bromochloromethane	7.17	49	65010	46.278	ug/l 99
29) Tetrahydrofuran	7.18	42	189050	238.685	ug/l 98
30) Chloroform	7.34	83	176667	47.199	ug/l 99
31) Cyclohexane	7.63	56	152868	45.926	ug/l 97
32) 1,1,1-Trichloroethane	7.54	97	160319	46.870	ug/l 100
36) 1,1-Dichloropropene	7.77	75	133531	48.101	ug/l 99
37) Ethyl Acetate	6.89	43	122233	48.719	ug/l 99
38) Carbon Tetrachloride	7.75	117	142307	47.201	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)
39) Methylcyclohexane	9.06	83	163352	47.403	ug/l	98
40) Benzene	8.02	78	392494	47.662	ug/l	100
41) Methacrylonitrile	7.18	41	175248	166.558	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	140365	48.633	ug/l	99
43) Isopropyl Acetate	8.14	43	209326	48.807	ug/l	100
44) Trichloroethene	8.82	130	108800	47.715	ug/l	100
45) 1,2-Dichloropropane	9.10	63	101567	49.818	ug/l	98
46) Dibromomethane	9.19	93	70293	48.790	ug/l	99
47) Bromodichloromethane	9.38	83	143831	49.104	ug/l	99
48) Methyl methacrylate	9.18	41	93872	48.784	ug/l	99
49) 1,4-Dioxane	9.18	88	31948	971.725	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	619652	249.614	ug/l	99
52) Toluene	10.14	92	254447	48.184	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	165474	50.049	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	170992	49.114	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	99466	48.281	ug/l	99
56) Ethyl methacrylate	10.42	69	147391	50.574	ug/l	99
57) 1,3-Dichloropropane	10.70	76	165036	48.549	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	350052	257.826	ug/l	98
59) 2-Hexanone	10.74	43	500695	261.102	ug/l	100
60) Dibromochloromethane	10.89	129	117007	49.493	ug/l	100
61) 1,2-Dibromoethane	10.99	107	105670	48.930	ug/l	100
64) Tetrachloroethene	10.62	164	103586	47.740	ug/l	99
65) Chlorobenzene	11.43	112	275887	47.442	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	106588	48.452	ug/l	99
67) Ethyl Benzene	11.50	91	505235	48.172	ug/l	100
68) m/p-Xylenes	11.62	106	383168	97.340	ug/l	100
69) o-Xylene	11.94	106	183072	48.303	ug/l	100
70) Styrene	11.96	104	302606	49.511	ug/l	100
71) Bromoform	12.12	173	86980	49.158	ug/l #	98
73) Isopropylbenzene	12.24	105	502452	46.443	ug/l	100
74) N-amyl acetate	12.06	43	191717	49.144	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	143312	46.022	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	197236	71.158	ug/l #	100
77) Bromobenzene	12.52	156	124389	46.330	ug/l	98
78) n-propylbenzene	12.59	91	579137	46.985	ug/l	100
79) 2-Chlorotoluene	12.67	91	336257	46.413	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	426896	47.458	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	54988	48.574	ug/l	99
82) 4-Chlorotoluene	12.77	91	350604	47.169	ug/l	99
83) tert-Butylbenzene	12.99	119	363133	45.636	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	428586	48.268	ug/l	100
85) sec-Butylbenzene	13.17	105	499075	47.358	ug/l	100
86) p-Isopropyltoluene	13.28	119	457633	47.930	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	225174	47.380	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	226740	47.719	ug/l	99
89) n-Butylbenzene	13.61	91	417065	49.662	ug/l	99
90) Hexachloroethane	13.87	117	83347	46.726	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	216234	46.492	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	30912	46.635	ug/l	96

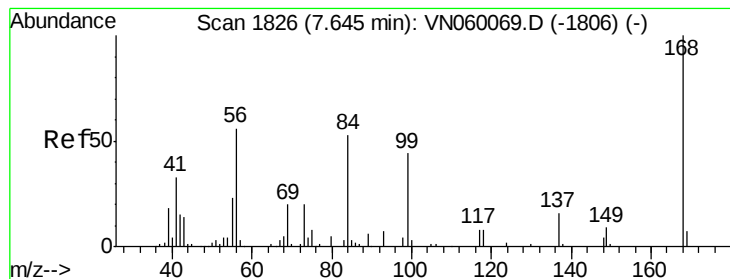
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	136019	49.773	ug/l	99
94) Hexachlorobutadiene	15.01	225	75177	46.990	ug/l	100
95) Naphthalene	15.13	128	343510	46.533	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	128005	47.036	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060143.D

Acq: 19 Feb 2020 9:44

Instrument :

MSVOA_N

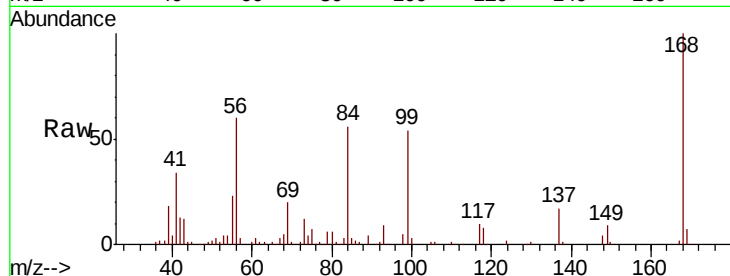
ClientSampled :

Tot Ion:168 Resp: 193407

Ion Ratio Lower Upper

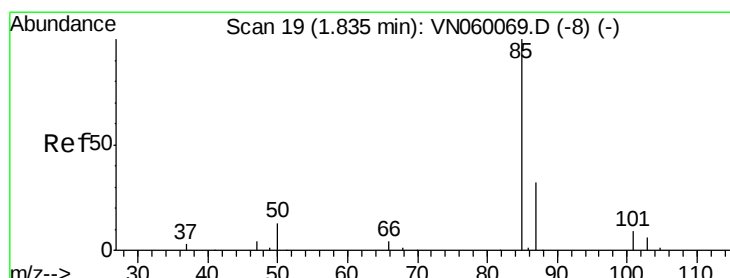
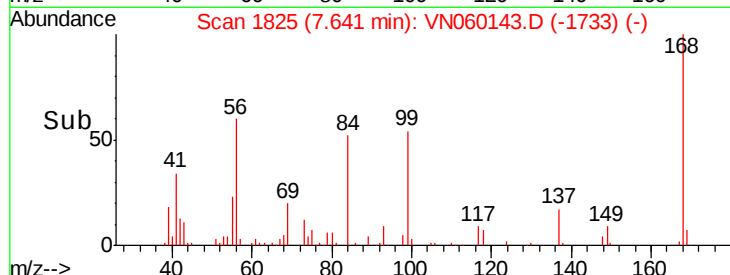
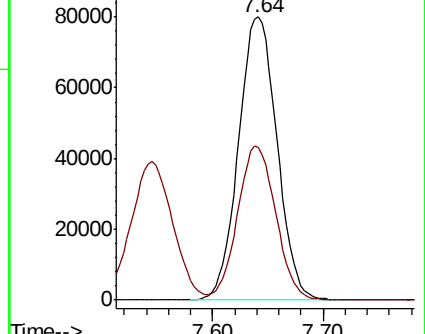
168 100

99 53.9 42.7 64.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 47.818 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060143.D

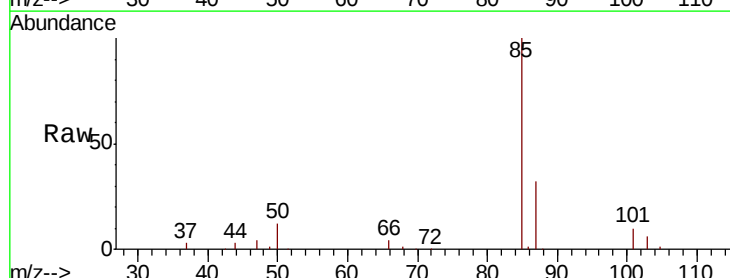
Acq: 19 Feb 2020 9:44

Tgt Ion: 85 Resp: 92442

Ion Ratio Lower Upper

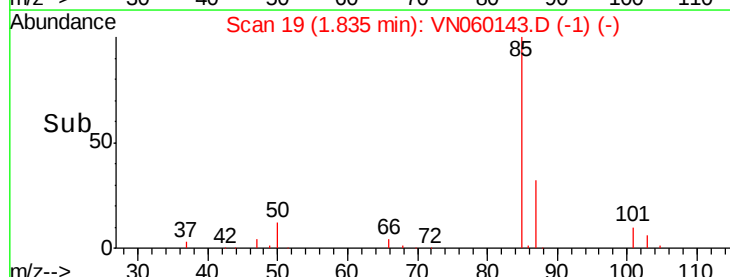
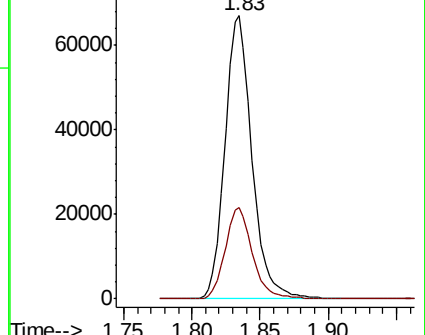
85 100

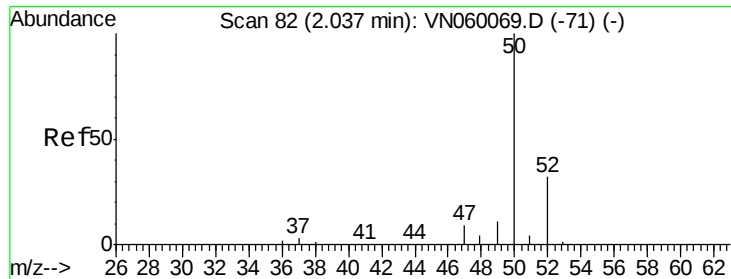
87 32.5 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 45.712 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060143.D

Acq: 19 Feb 2020 9:44

Instrument :

MSVOA_N

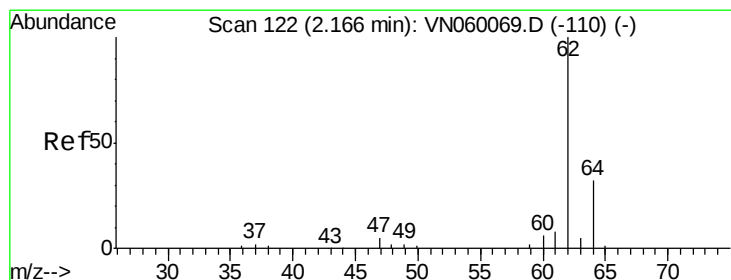
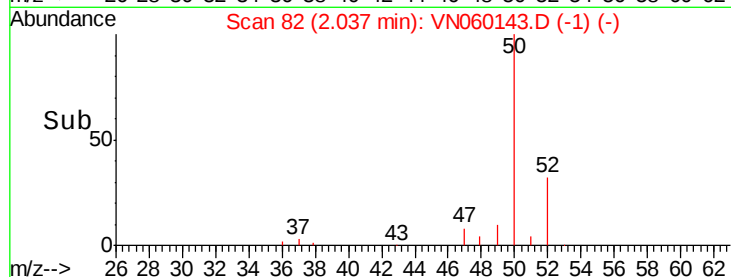
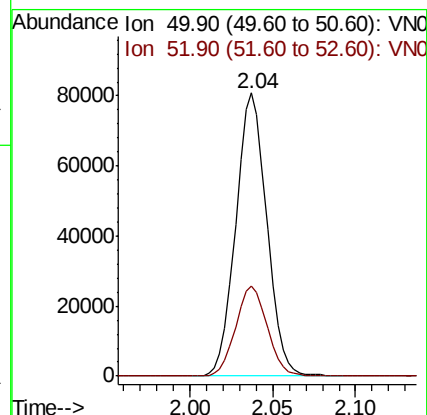
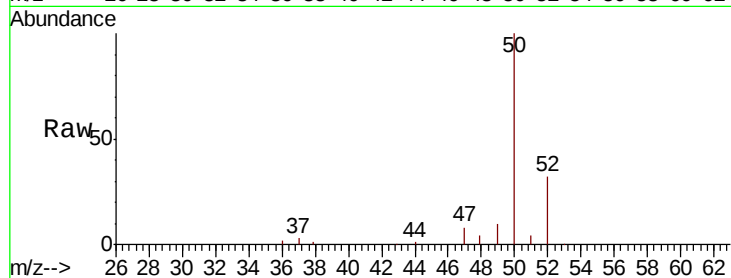
ClientSampleId :

Tot Ion: 50 Resp: 105166

Ion Ratio Lower Upper

50 100

52 32.0 25.6 38.4



#4

Vinyl Chloride

Concen: 46.305 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN060143.D

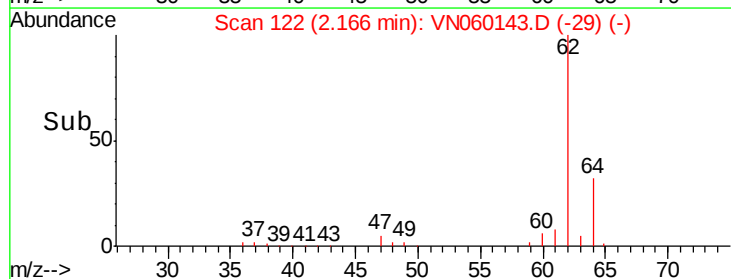
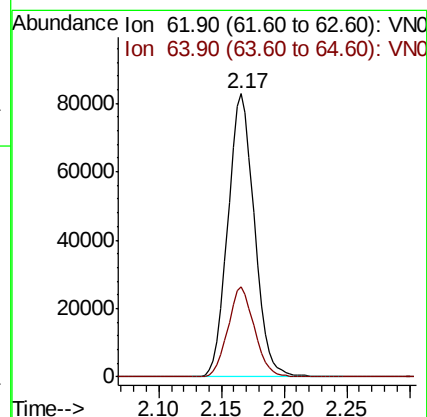
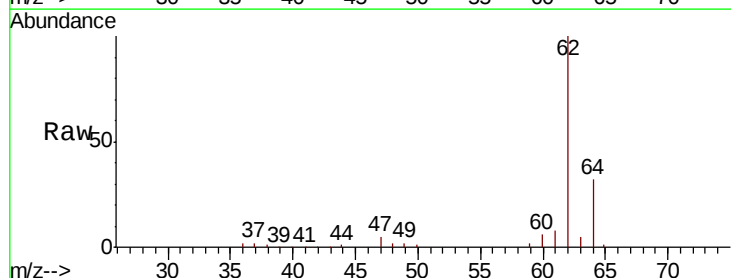
Acq: 19 Feb 2020 9:44

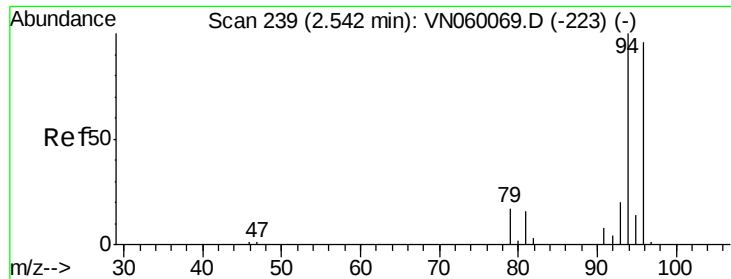
Tgt Ion: 62 Resp: 121426

Ion Ratio Lower Upper

62 100

64 31.6 25.9 38.9





#5

Bromomethane

Concen: 45.310 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.00 min

Lab File: VN060143.D

Acq: 19 Feb 2020 9:44

Instrument :

MSVOA_N

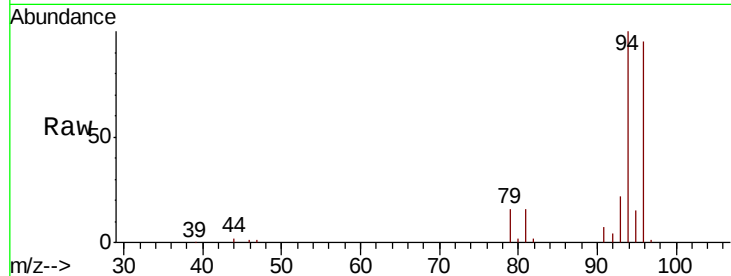
ClientSampleId :

Tot Ion: 94 Resp: 72855

Ion Ratio Lower Upper

94 100

96 94.7 76.7 115.1



Abundance Ion 93.90 (93.60 to 94.60): VN060143.D (-223) (-)

Ion 95.90 (95.60 to 96.60): VN060143.D (-223) (-)

2.54

40000

30000

20000

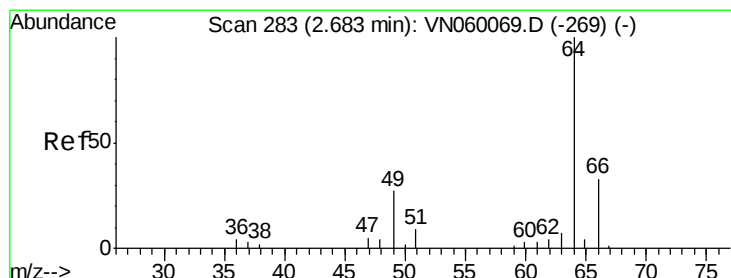
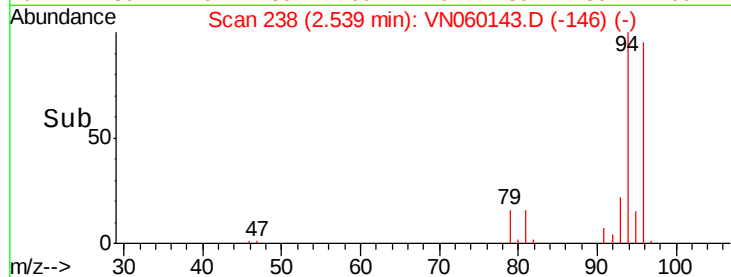
10000

0

Time-->

2.50

2.60



#6

Chloroethane

Concen: 45.764 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN060143.D

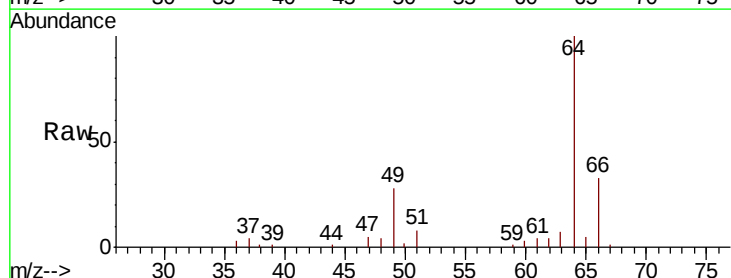
Acq: 19 Feb 2020 9:44

Tgt Ion: 64 Resp: 60698

Ion Ratio Lower Upper

64 100

66 33.1 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VN060143.D (-269) (-)

Ion 65.90 (65.60 to 66.60): VN060143.D (-269) (-)

2.68

30000

20000

10000

0

Time-->

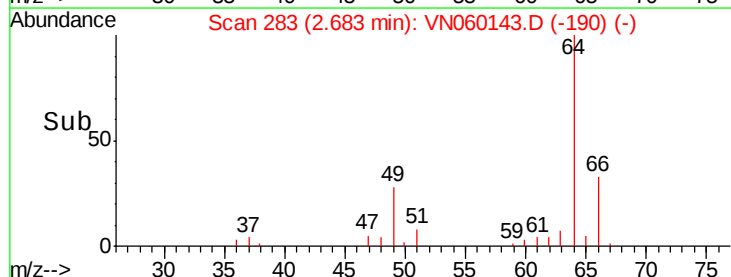
2.60

2.65

2.70

2.75

2.80



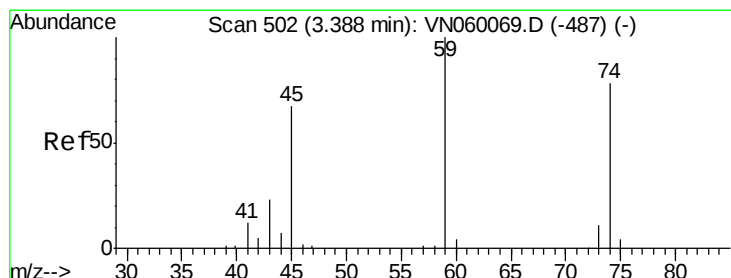
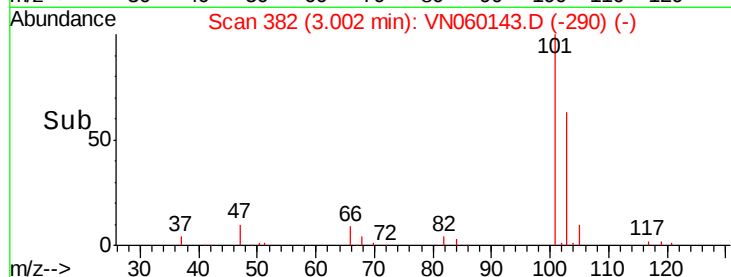
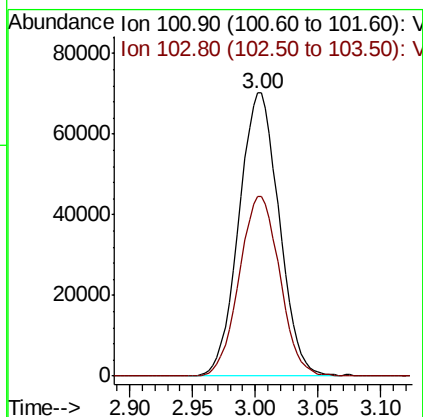
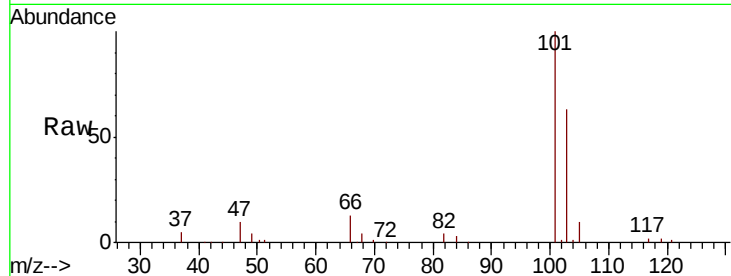


#7

Trichlorofluoromethane
Concen: 46.282 ug/l
RT: 3.00 min Scan# 382
Delta R.T. -0.00 min
Lab File: VN060143.D
Acq: 19 Feb 2020 9:44

Instrument :
MSVOA_N
ClientSampled :

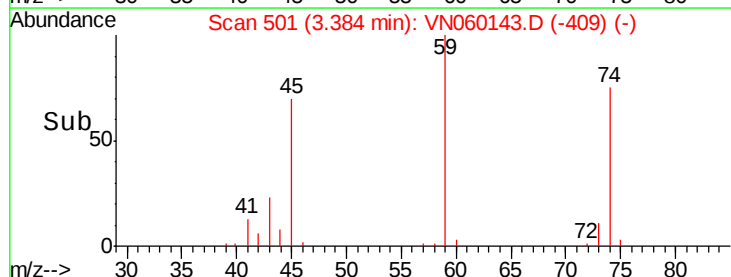
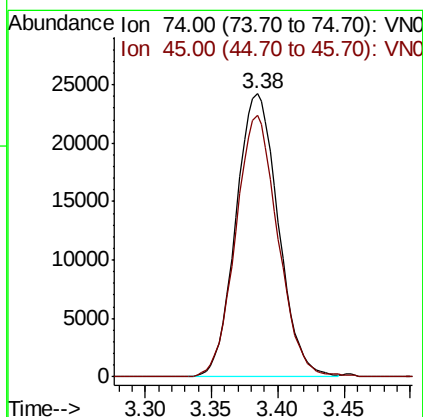
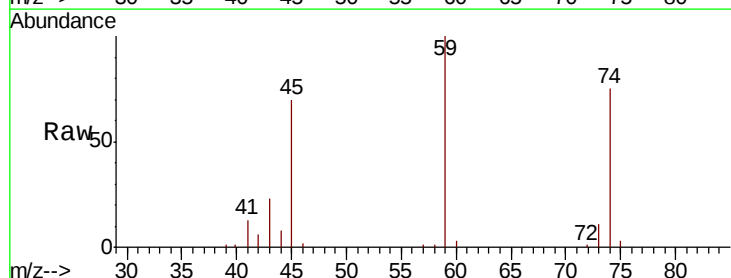
Tot Ion:101 Resp: 156476
Ion Ratio Lower Upper
101 100
103 63.4 51.0 76.6



#8

Diethyl Ether
Concen: 47.926 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN060143.D
Acq: 19 Feb 2020 9:44

Tgt Ion: 74 Resp: 53938
Ion Ratio Lower Upper
74 100
45 92.1 44.7 134.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.042 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN060143.D

Acq: 19 Feb 2020 9:44

Instrument :

MSVOA_N

ClientSampleId :

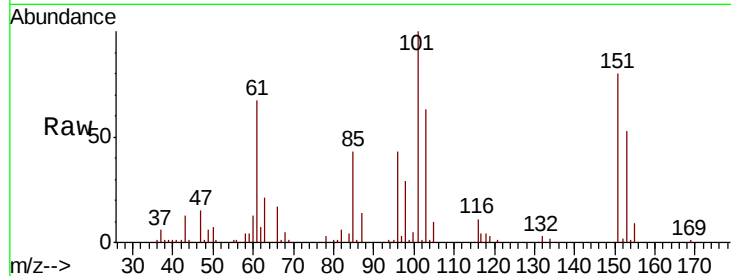
Tot Ion:101 Resp: 88301

Ion Ratio Lower Upper

101 100

85 44.6 35.1 52.7

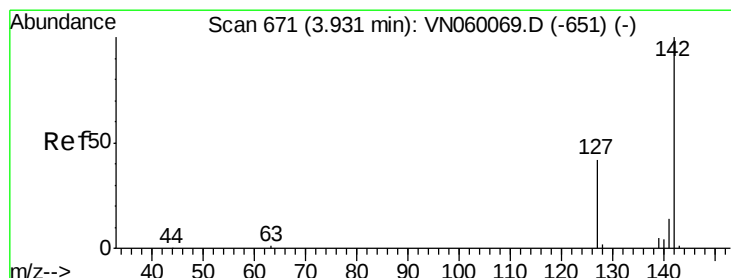
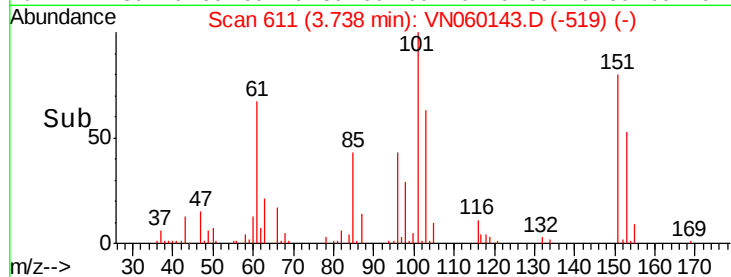
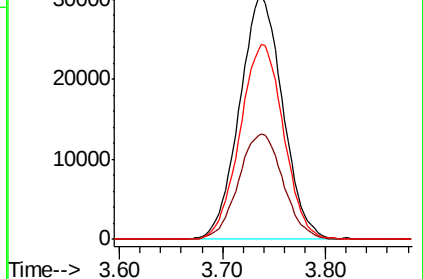
151 80.7 65.8 98.6



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: 47.669 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN060143.D

Acq: 19 Feb 2020 9:44

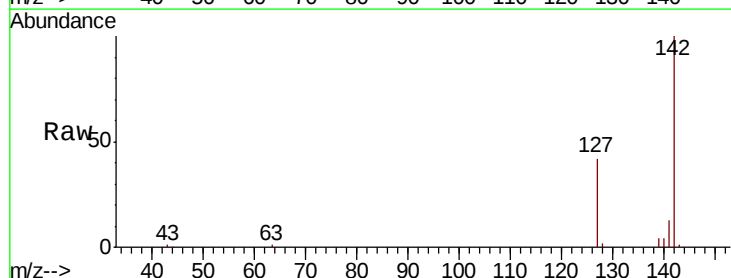
Tgt Ion:142 Resp: 119944

Ion Ratio Lower Upper

142 100

127 42.6 33.6 50.4

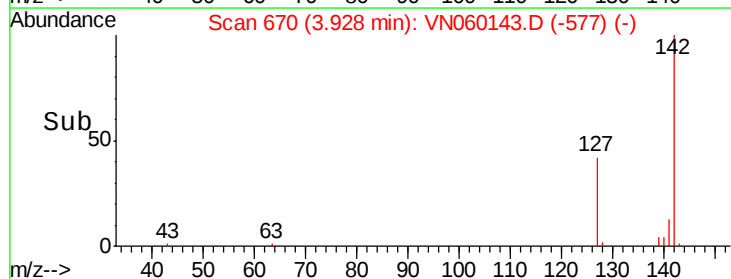
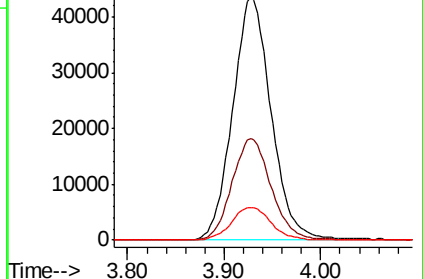
141 13.9 11.4 17.2

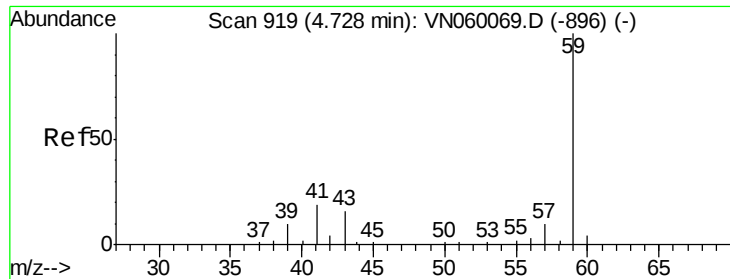


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

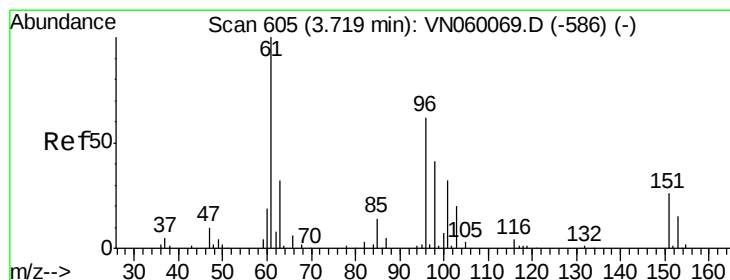
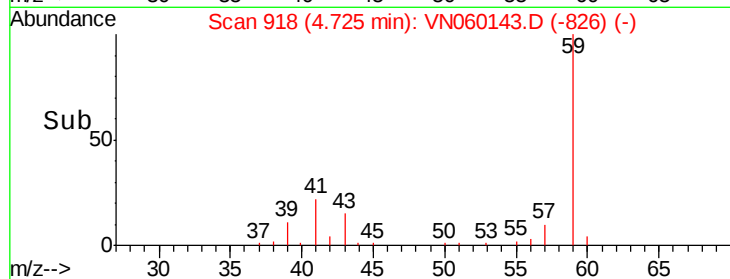
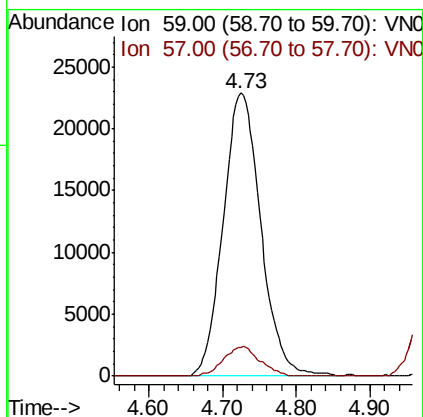
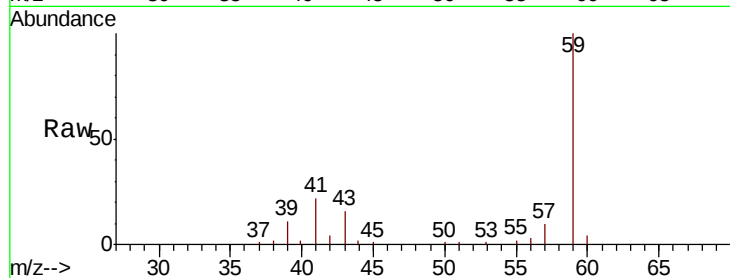




#11
Tert butyl alcohol
Concen: 230.902 ug/l
RT: 4.73 min Scan# 918
Delta R.T. -0.00 min
Lab File: VN060143.D
Acq: 19 Feb 2020 9:44

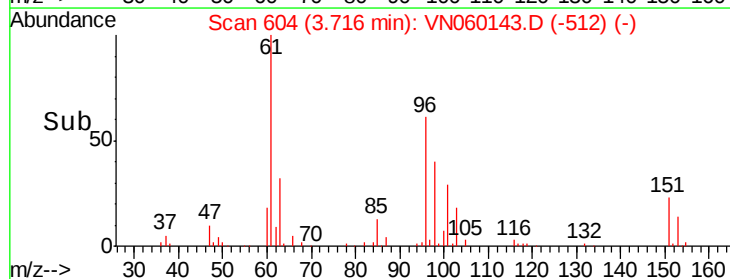
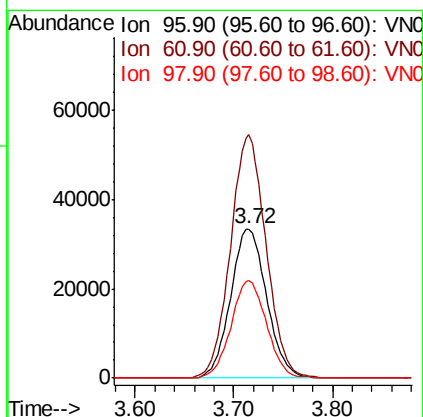
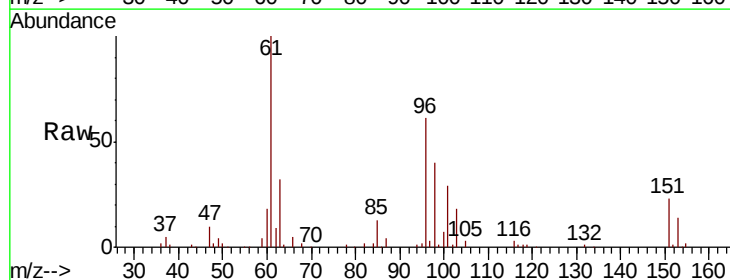
Instrument :
MSVOA_N
ClientSampled :

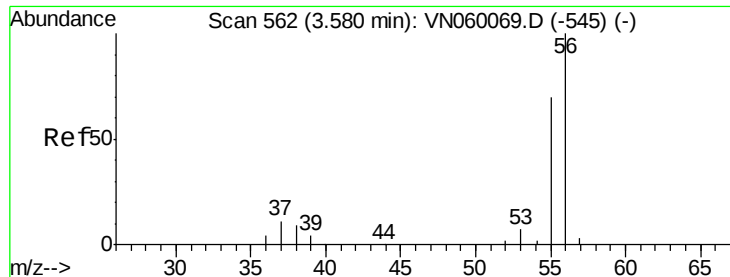
Tot Ion: 59 Resp: 81319
Ion Ratio Lower Upper
59 100
57 10.1 8.2 12.4



#12
1,1-Dichloroethene
Concen: 46.597 ug/l
RT: 3.72 min Scan# 604
Delta R.T. -0.00 min
Lab File: VN060143.D
Acq: 19 Feb 2020 9:44

Tgt Ion: 96 Resp: 85206
Ion Ratio Lower Upper
96 100
61 163.2 128.3 192.5
98 65.7 52.2 78.4





#13

Acrolein

Concen: 227.300 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.01 min

Lab File: VN060143.D

Acq: 19 Feb 2020 9:44

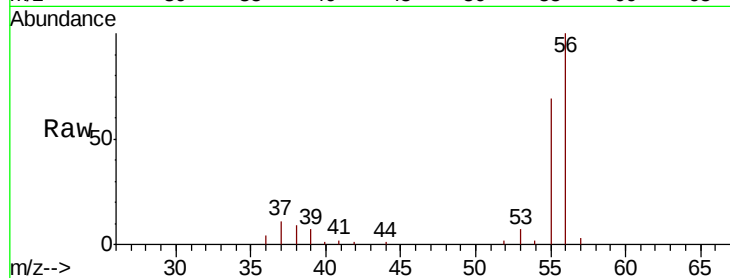
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 79125

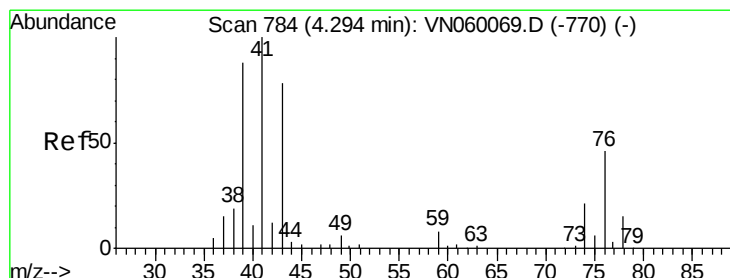
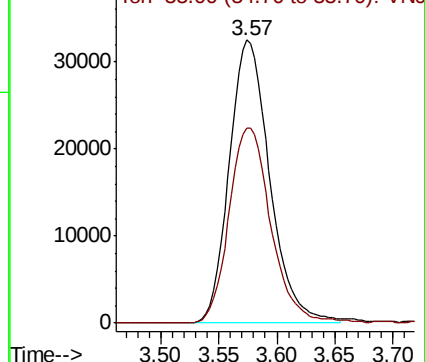
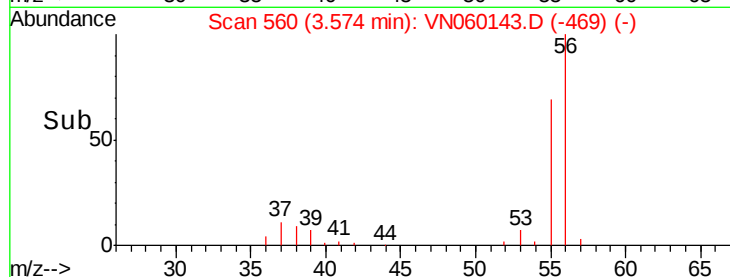
Ion Ratio Lower Upper

56 100

55 71.3 54.8 82.2



Abundance Ion 56.00 (55.70 to 56.70): VN060143.D (-469) (-)



#14

Allyl chloride

Concen: 45.866 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN060143.D

Acq: 19 Feb 2020 9:44

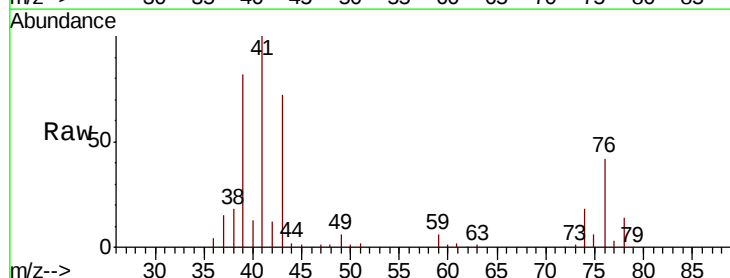
Tgt Ion: 41 Resp: 123444

Ion Ratio Lower Upper

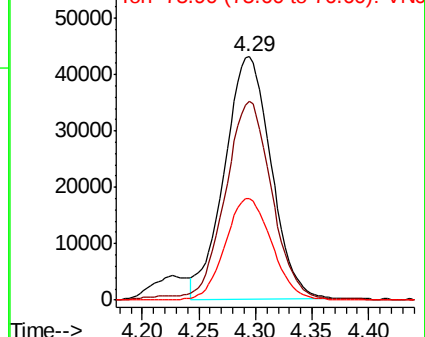
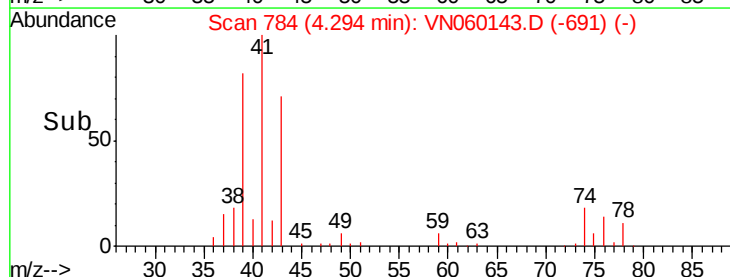
41 100

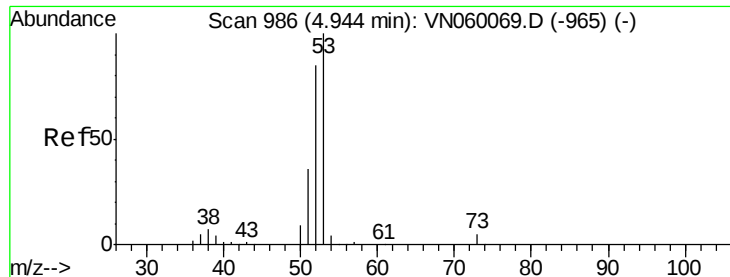
39 81.9 67.8 101.8

76 41.9 33.9 50.9



Abundance Ion 41.00 (40.70 to 41.70): VN060143.D (-691) (-)





#15

Acrylonitrile

Concen: 243.627 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060143.D

Acq: 19 Feb 2020 9:44

Instrument :

MSVOA_N

ClientSampleId :

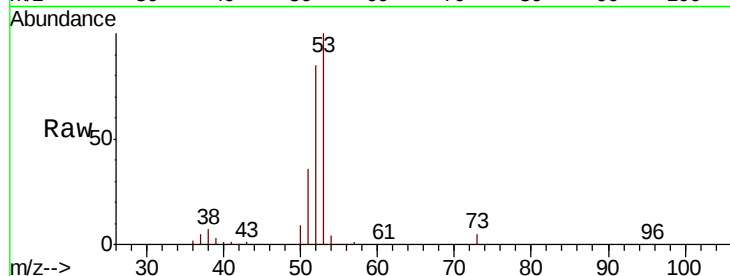
Tot Ion: 53 Resp: 209536

Ion Ratio Lower Upper

53 100

52 83.4 66.8 100.2

51 37.3 29.4 44.0



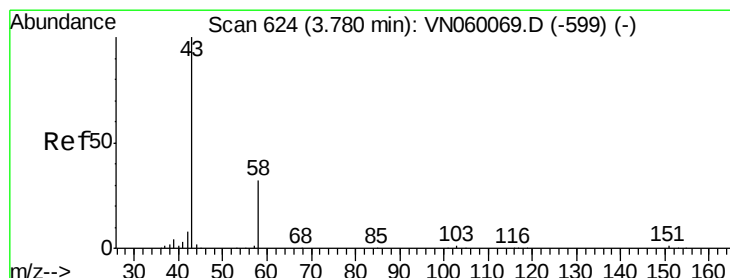
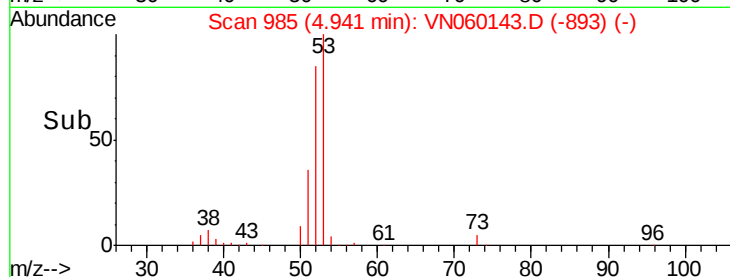
Abundance Ion 53.00 (52.70 to 53.70): VN060143.D (-965) (-)

Ion 52.00 (51.70 to 52.70): VN060143.D (-965) (-)

Ion 51.00 (50.70 to 51.70): VN060143.D (-965) (-)

4.94

Time-->



#16

Acetone

Concen: 269.148 ug/l

RT: 3.78 min Scan# 623

Delta R.T. -0.00 min

Lab File: VN060143.D

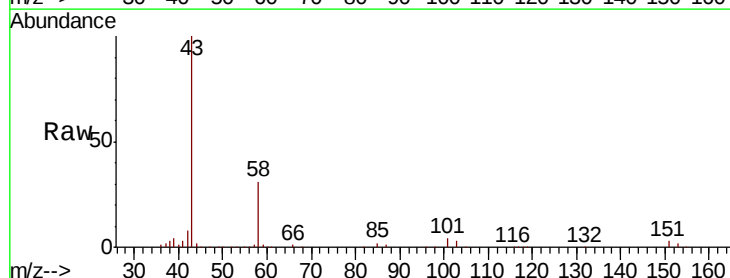
Acq: 19 Feb 2020 9:44

Tgt Ion: 43 Resp: 276295

Ion Ratio Lower Upper

43 100

58 30.6 25.2 37.8

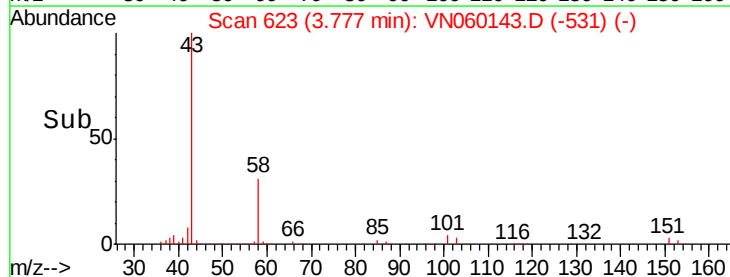


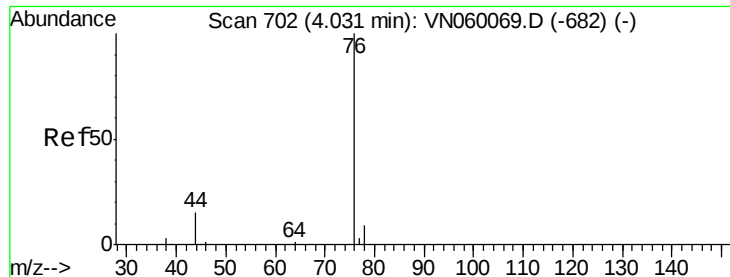
Abundance Ion 43.00 (42.70 to 43.70): VN060143.D (-531) (-)

Ion 58.00 (57.70 to 58.70): VN060143.D (-531) (-)

3.78

Time-->

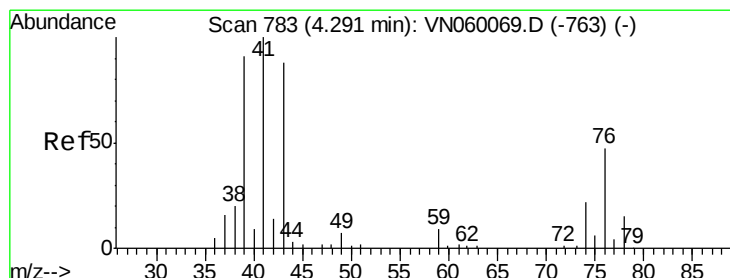
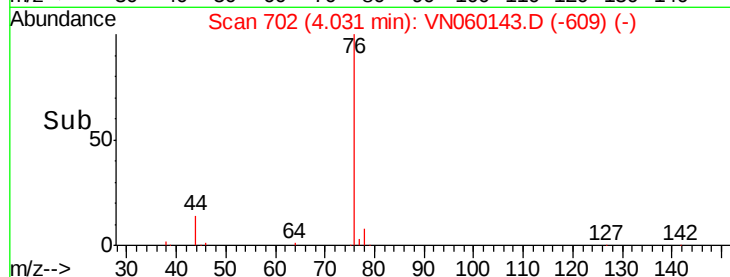
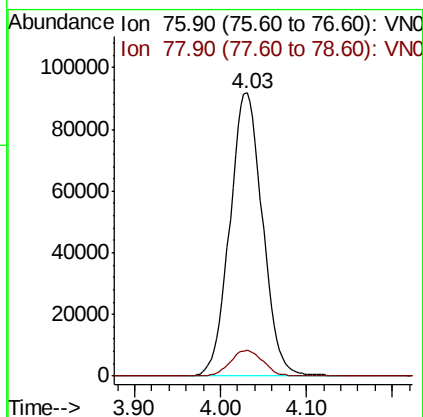
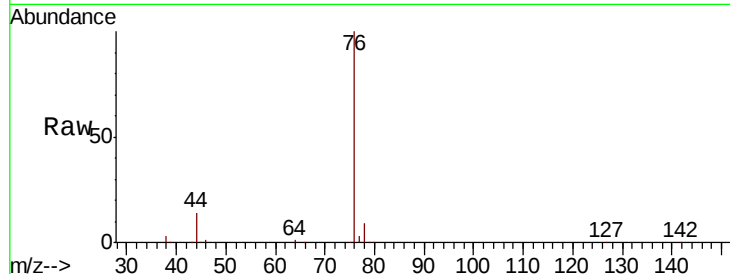




#17
Carbon Disulfide
Concen: 44.017 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN060143.D
Acq: 19 Feb 2020 9:44

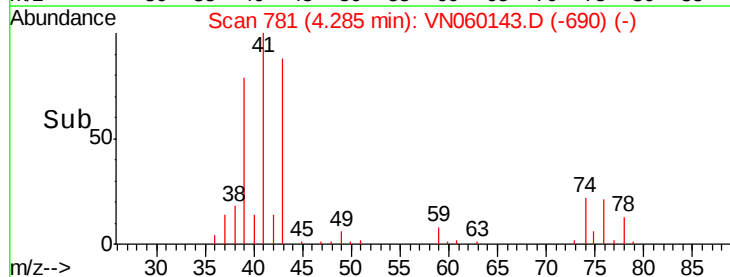
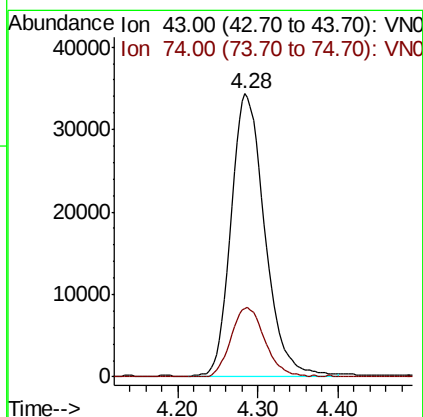
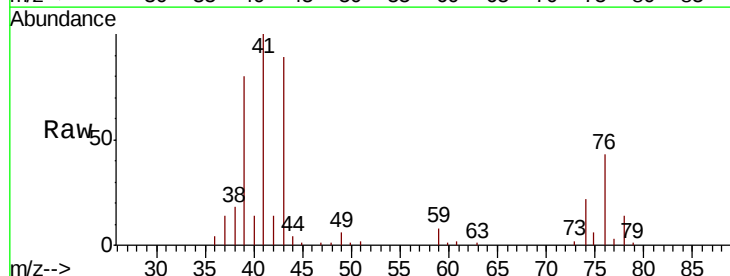
Instrument :
MSVOA_N
ClientSampled :

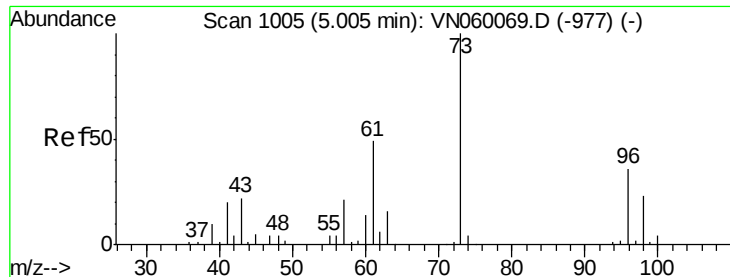
Tot Ion: 76 Resp: 242606
Ion Ratio Lower Upper
76 100
78 9.1 7.0 10.6



#18
Methyl Acetate
Concen: 51.135 ug/l
RT: 4.28 min Scan# 781
Delta R.T. -0.01 min
Lab File: VN060143.D
Acq: 19 Feb 2020 9:44

Tgt Ion: 43 Resp: 98609
Ion Ratio Lower Upper
43 100
74 24.4 20.3 30.5

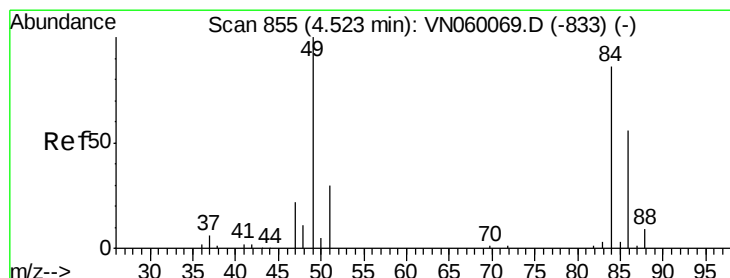
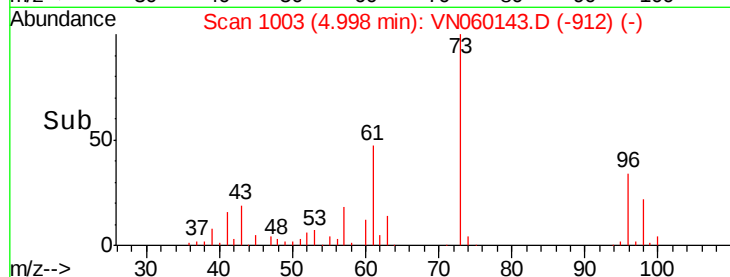
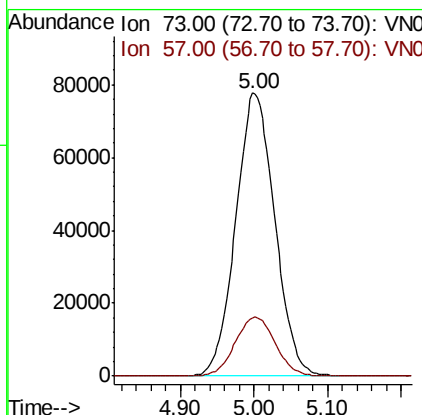
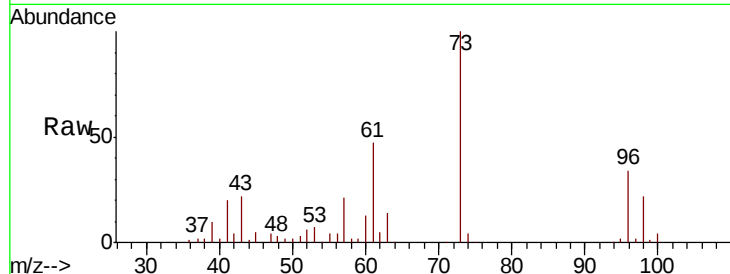




#19
Methvl tert-butvl Ether
Concen: 46.562 ug/l
RT: 5.00 min Scan# 1003
Delta R.T. -0.01 min
Lab File: VN060143.D
Acq: 19 Feb 2020 9:44

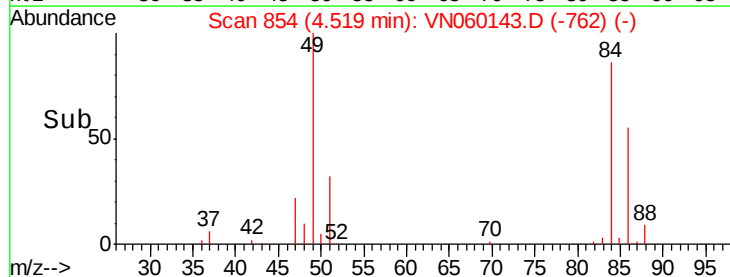
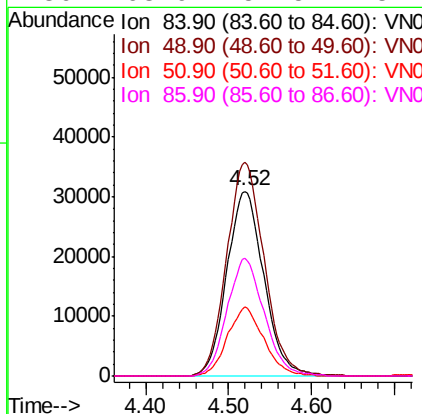
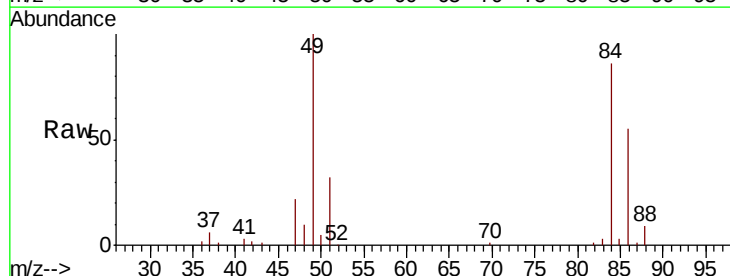
Instrument :
MSVOA_N
ClientSampleId :

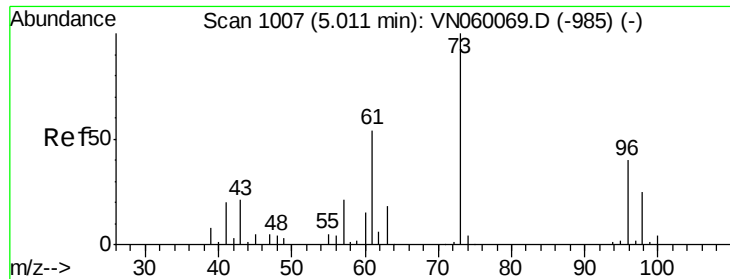
Tot Ion: 73 Resp: 286331
Ion Ratio Lower Upper
73 100
57 20.6 17.2 25.8



#20
Methylene Chloride
Concen: 46.973 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060143.D
Acq: 19 Feb 2020 9:44

Tgt Ion: 84 Resp: 96203
Ion Ratio Lower Upper
84 100
49 115.8 93.4 140.0
51 37.3 28.4 42.6
86 63.9 52.5 78.7

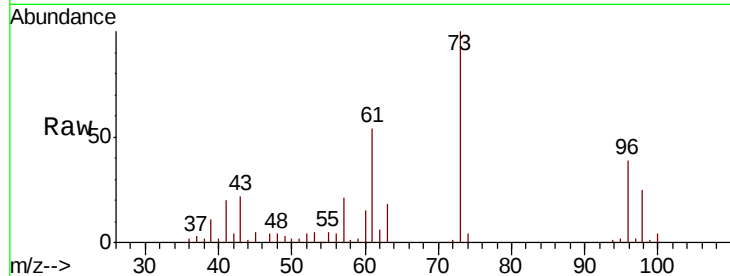




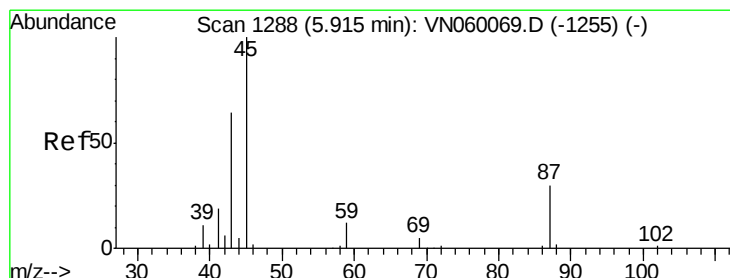
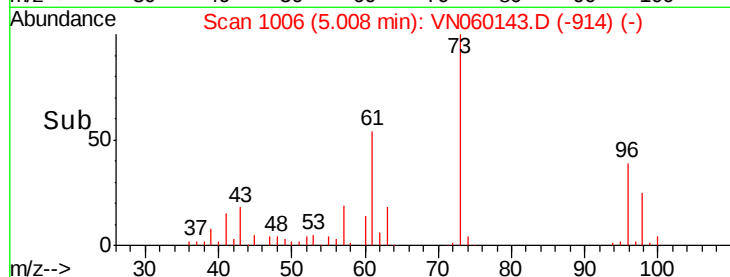
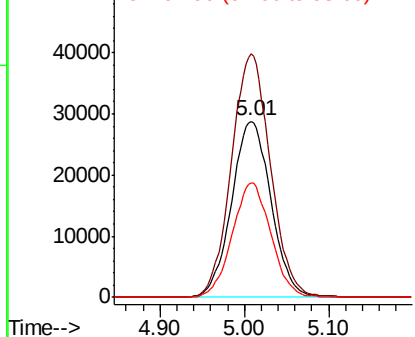
#21
trans-1,2-Dichloroethene
Concen: 46.954 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN060143.D
Acq: 19 Feb 2020 9:44

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 93594
Ion Ratio Lower Upper
96 100
61 138.1 109.3 163.9
98 64.9 51.0 76.6

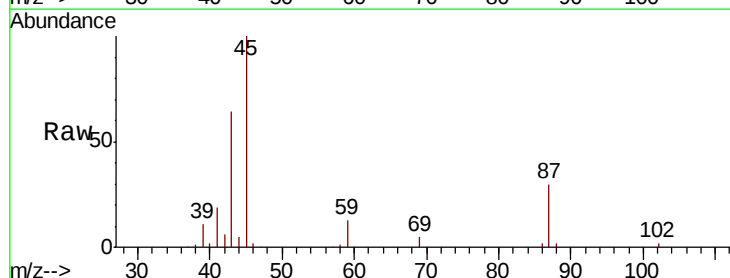


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

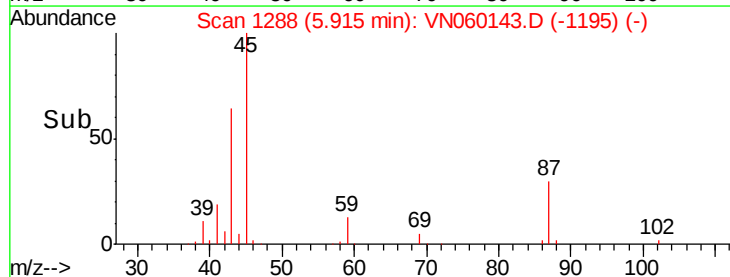
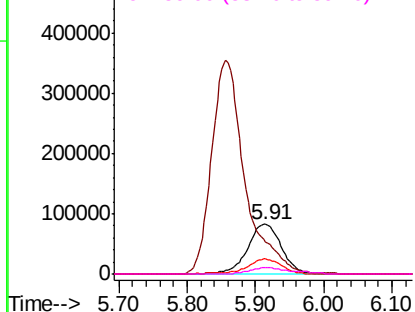


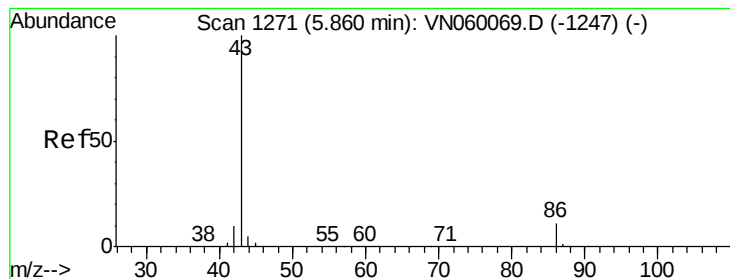
#22
Diisopropyl ether
Concen: 48.315 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VN060143.D
Acq: 19 Feb 2020 9:44

Tgt Ion: 45 Resp: 284985
Ion Ratio Lower Upper
45 100
43 63.1 55.9 83.9
87 30.0 24.5 36.7
59 12.3 9.9 14.9



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





#23

Vinyl Acetate

Concen: 243.000 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060143.D

Acq: 19 Feb 2020 9:44

Instrument :

MSVOA_N

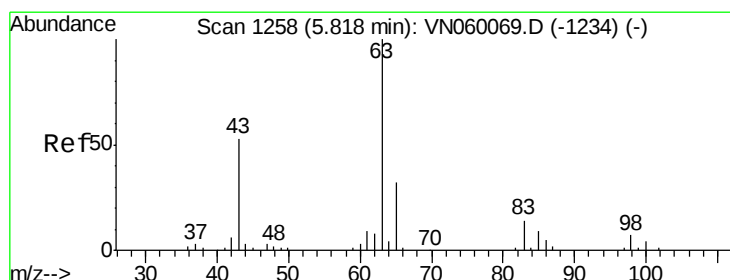
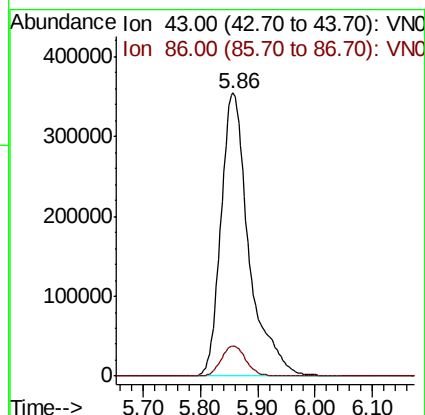
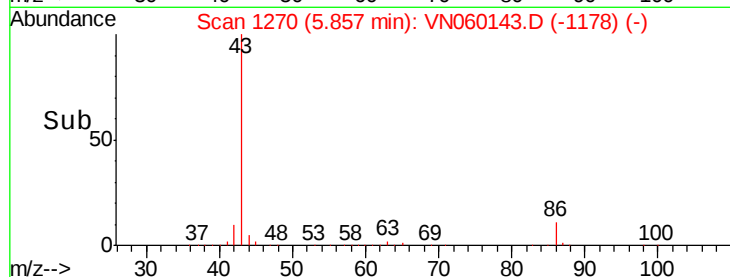
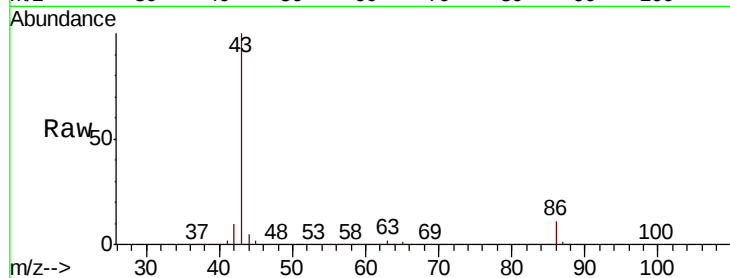
ClientSampled :

Tot Ion: 43 Resp: 1203666

Ion Ratio Lower Upper

43 100

86 10.7 8.9 13.3



#24

1,1-Dichloroethane

Concen: 47.492 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060143.D

Acq: 19 Feb 2020 9:44

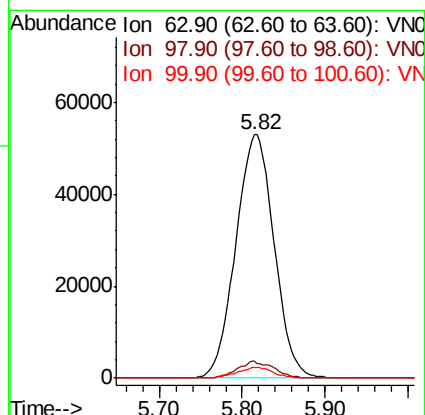
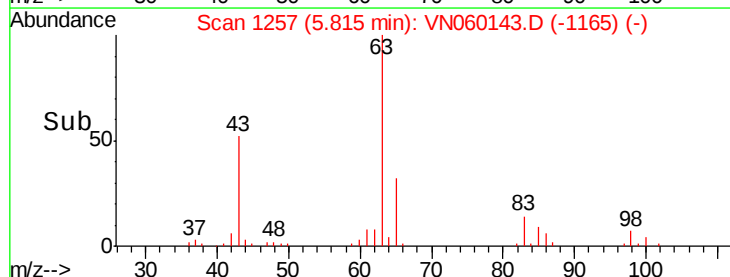
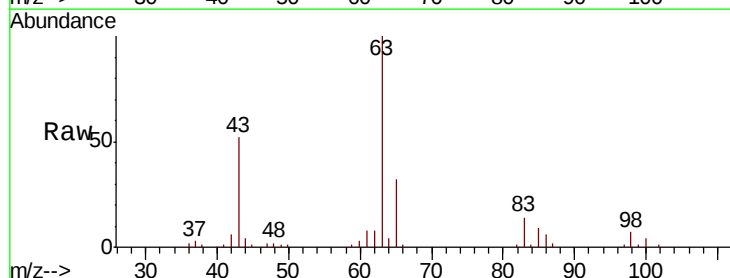
Tgt Ion: 63 Resp: 169699

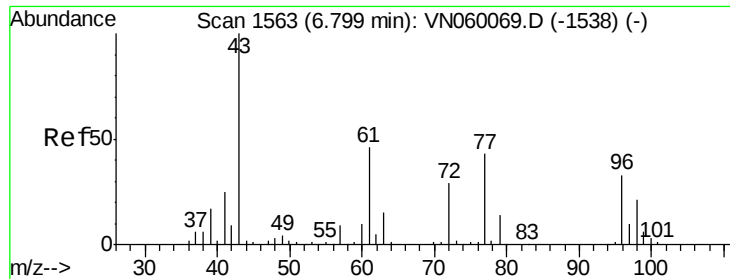
Ion Ratio Lower Upper

63 100

98 6.8 3.5 10.5

100 4.4 2.2 6.6





#25

2-Butanone

Concen: 254.829 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060143.D

Acq: 19 Feb 2020 9:44

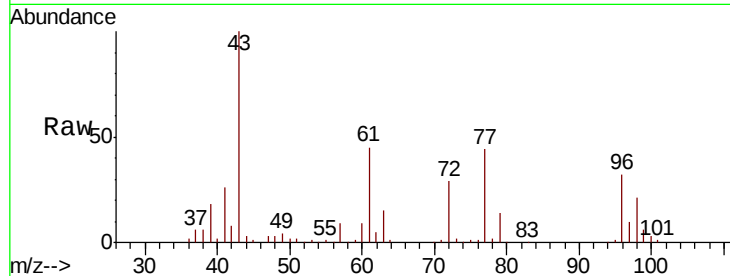
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 329003

Ion Ratio Lower Upper

43 100

72 28.6 23.3 34.9



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

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

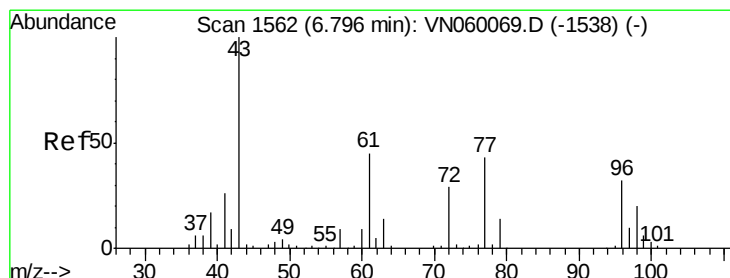
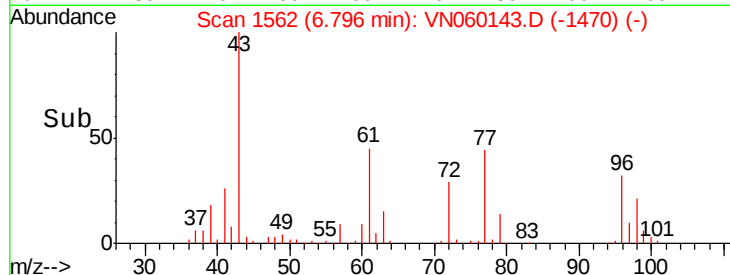
6.80

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 47.665 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060143.D

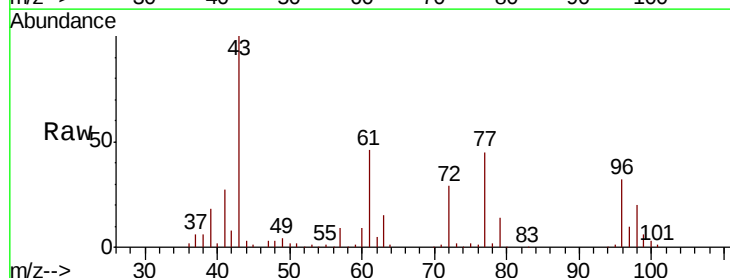
Acq: 19 Feb 2020 9:44

Tgt Ion: 77 Resp: 161772

Ion Ratio Lower Upper

77 100

97 23.0 11.4 34.2



Abundance Ion 76.90 (76.60 to 77.60): VN060143.D (-1469) (-)

Ion 96.90 (96.60 to 97.60): VN060143.D (-1469) (-)

6.79

60000

50000

40000

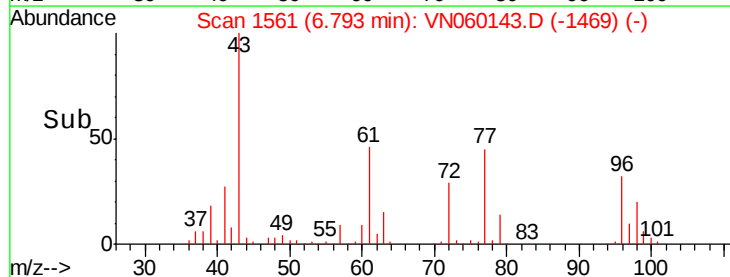
30000

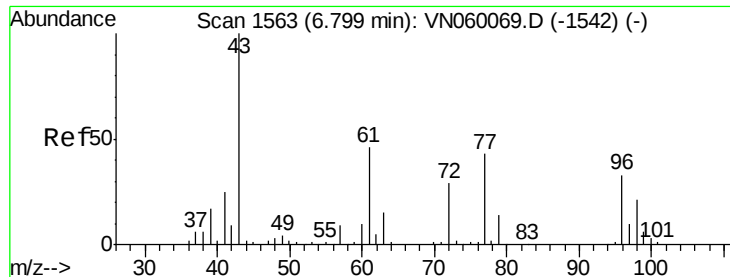
20000

10000

0

Time-->



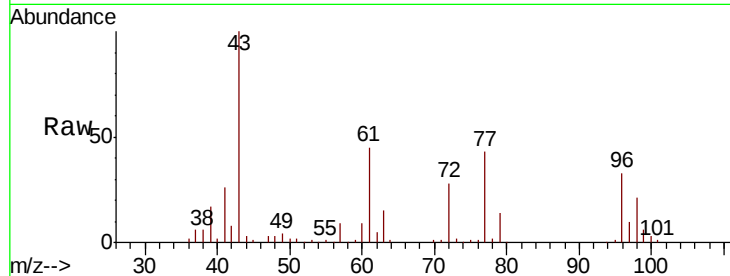


#27

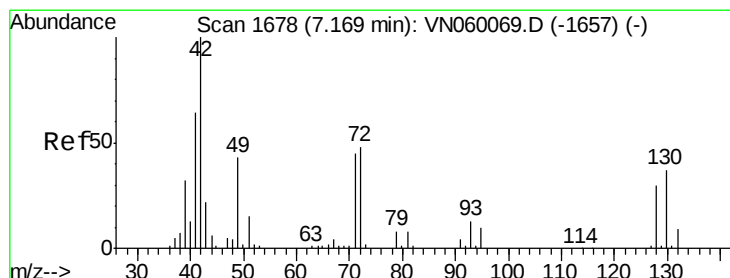
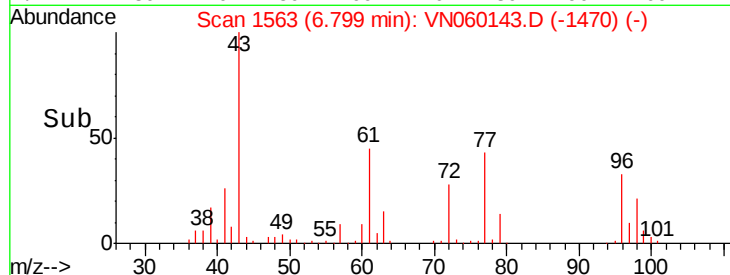
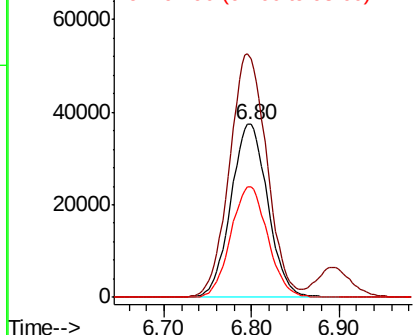
cis-1,2-Dichloroethene
Concen: 46.900 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VN060143.D
Acq: 19 Feb 2020 9:44

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	96	Resp	109407
Ion Ratio	Lower	Upper	
96	100		
61	142.4	0.0	285.8
98	64.1	0.0	129.6



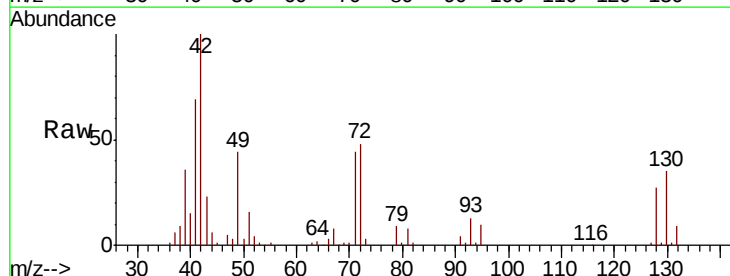
Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



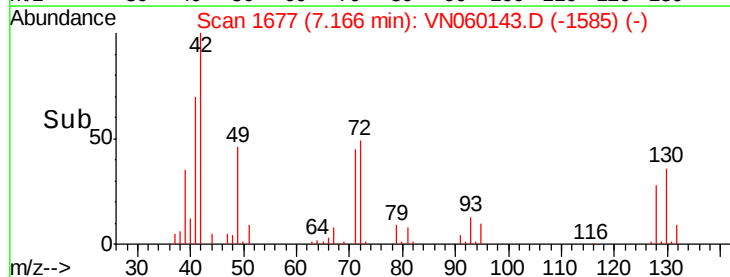
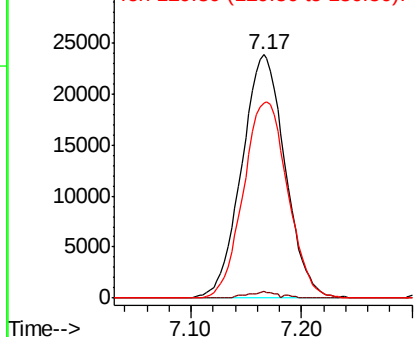
#28

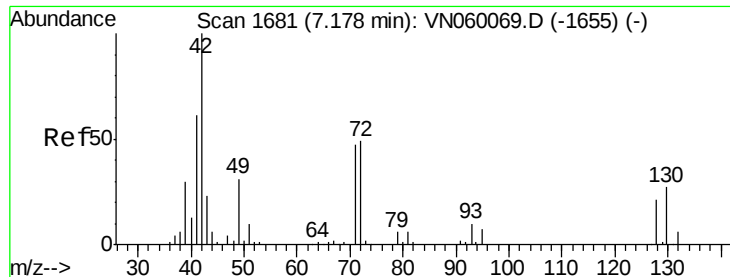
Bromochloromethane
Concen: 46.278 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN060143.D
Acq: 19 Feb 2020 9:44

Tgt Ion	49	Resp	65010
Ion Ratio	Lower	Upper	
49	100		
129	1.6	0.0	2.2
130	82.3	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

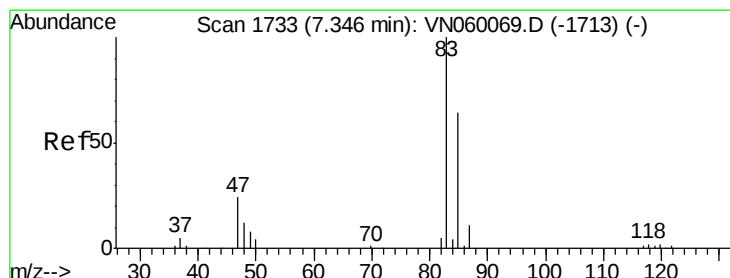
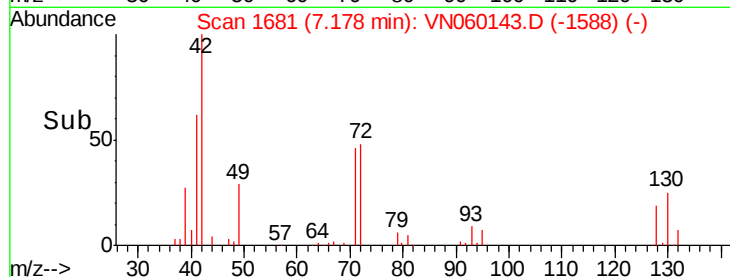
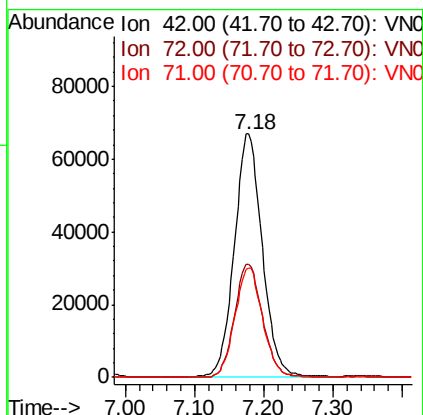
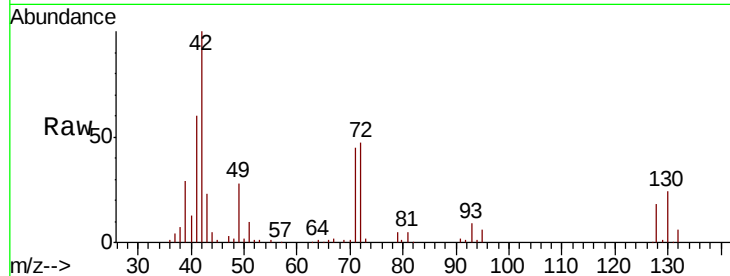




#29
Tetrahydrofuran
Concen: 238.685 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN060143.D
Acq: 19 Feb 2020 9:44

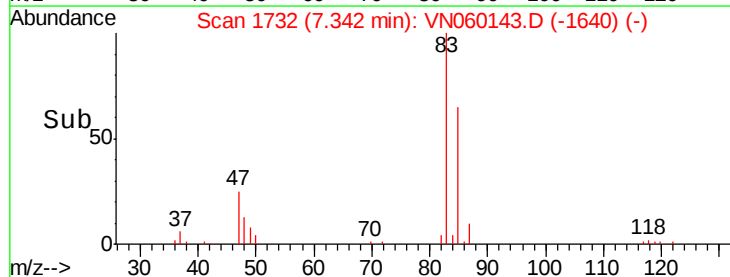
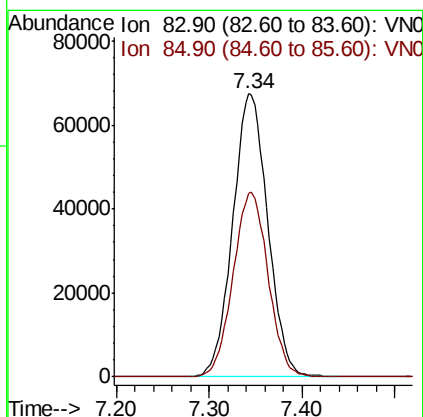
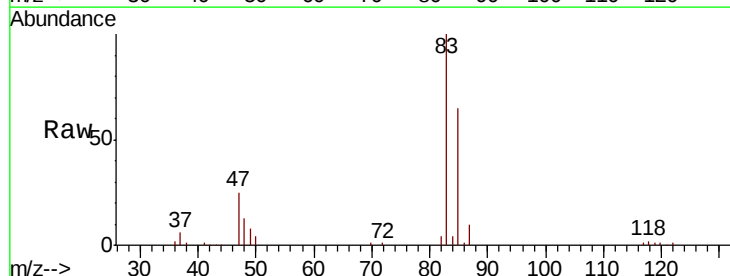
Instrument :
MSVOA_N
ClientSampled :

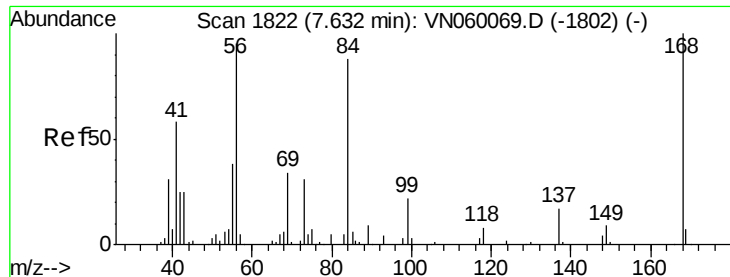
Tot Ion: 42 Resp: 189050
Ion Ratio Lower Upper
42 100
72 46.3 38.2 57.4
71 44.5 36.6 54.8



#30
Chloroform
Concen: 47.199 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VN060143.D
Acq: 19 Feb 2020 9:44

Tgt Ion: 83 Resp: 176667
Ion Ratio Lower Upper
83 100
85 64.7 51.4 77.0

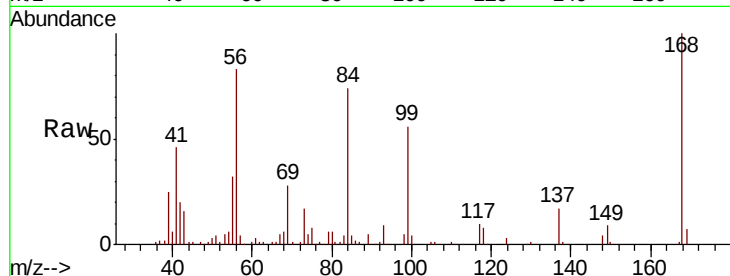




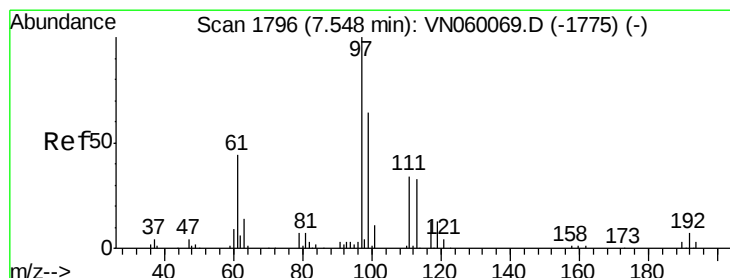
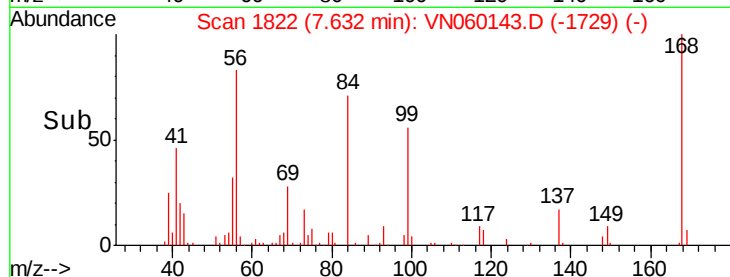
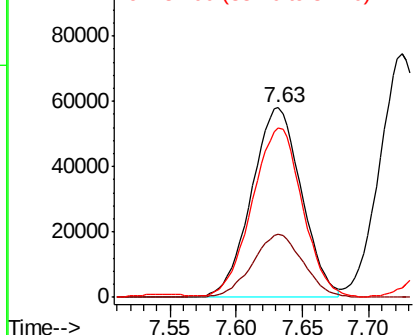
#31
Cyclohexane
Concen: 45.926 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN060143.D
Acq: 19 Feb 2020 9:44

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 152868
Ion Ratio Lower Upper
56 100
69 33.4 28.3 42.5
84 88.3 72.6 108.8

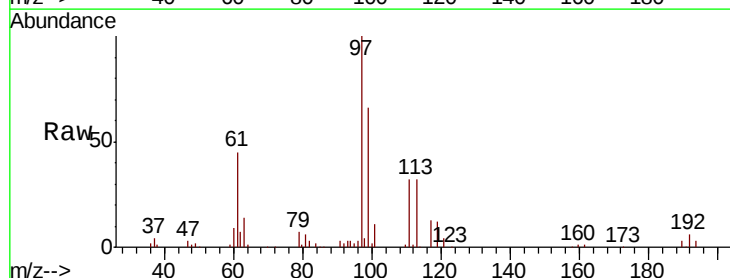


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

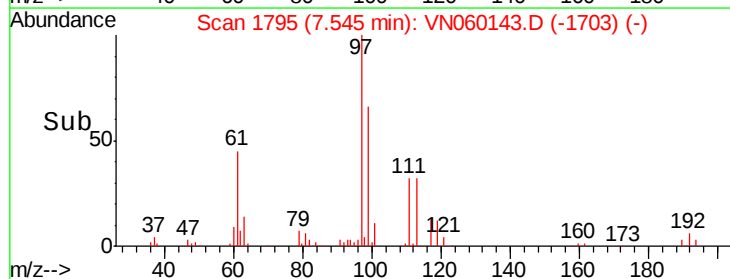
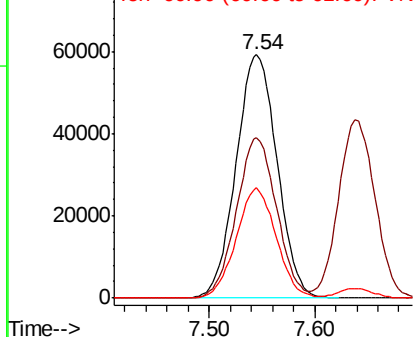


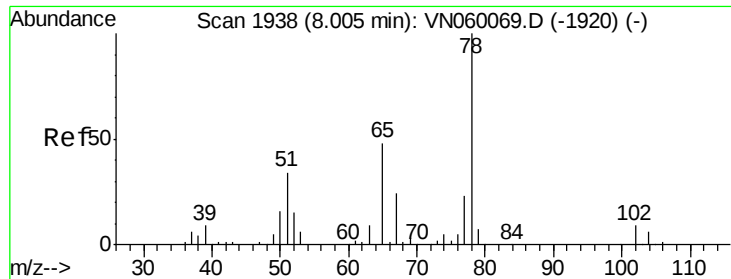
#32
1,1,1-Trichloroethane
Concen: 46.870 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN060143.D
Acq: 19 Feb 2020 9:44

Tgt Ion: 97 Resp: 160319
Ion Ratio Lower Upper
97 100
99 64.5 51.4 77.0
61 44.0 34.9 52.3



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

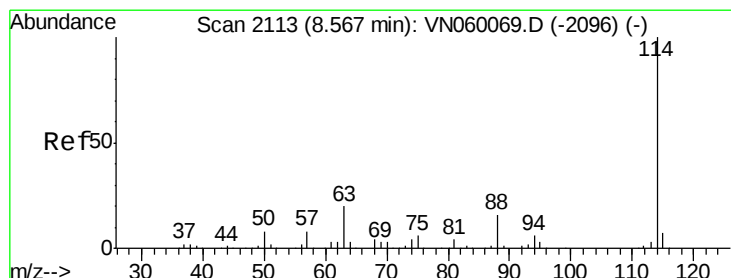
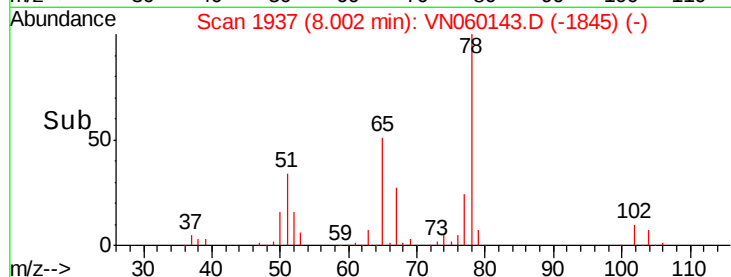
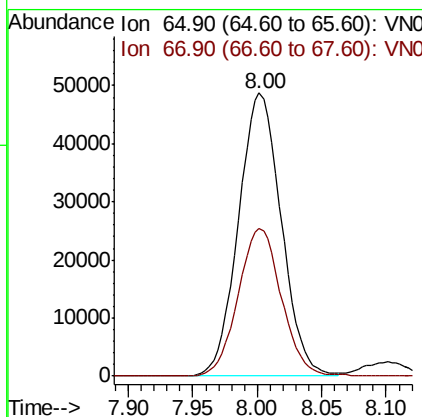
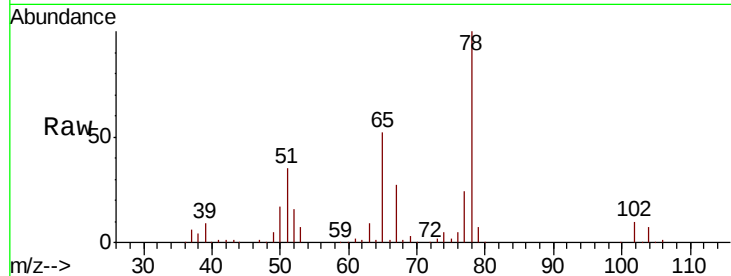




#33
 1,2-Dichloroethane-d4
 Concen: 47.840 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060143.D
 Acq: 19 Feb 2020 9:44

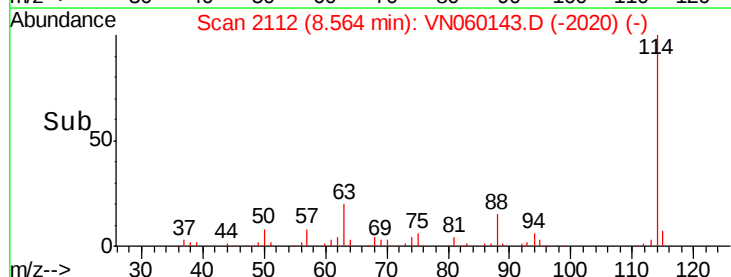
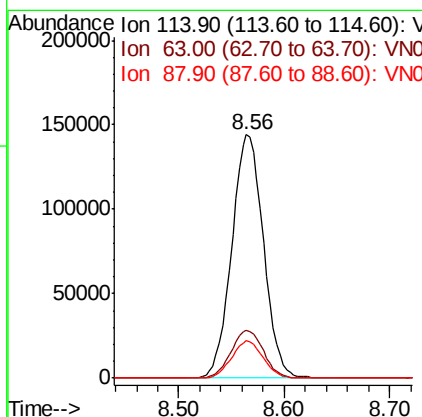
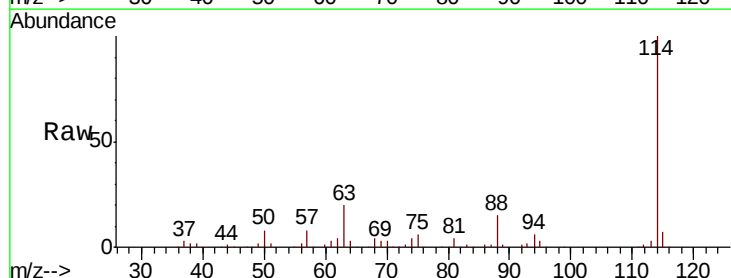
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 65 Resp: 112588
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060143.D
 Acq: 19 Feb 2020 9:44

Tgt Ion: 114 Resp: 299714
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 40.0
 88 15.2 0.0 31.6

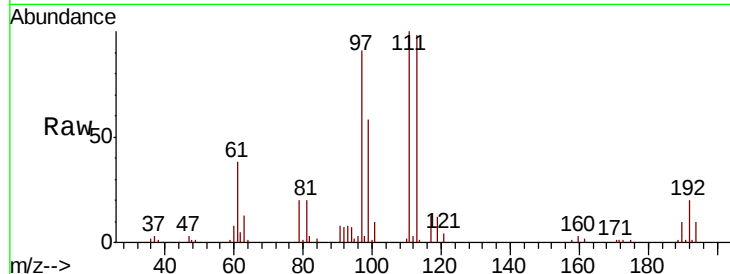




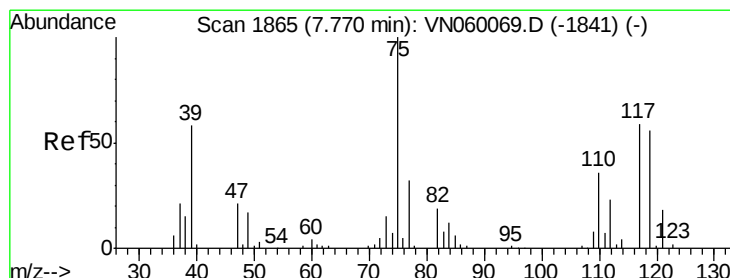
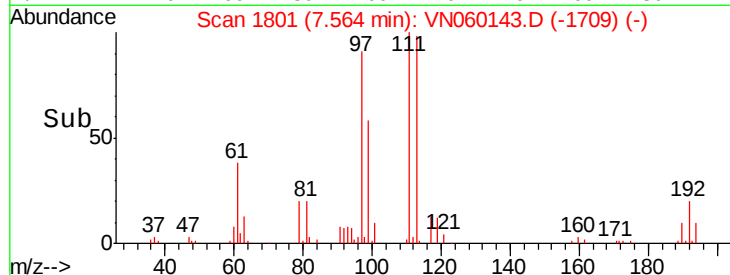
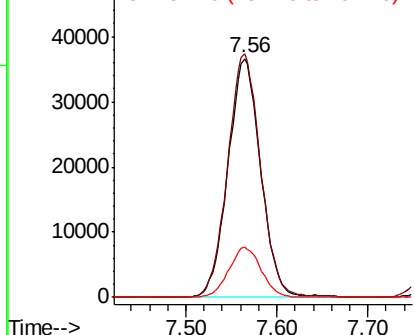
#35
 Dibromofluoromethane
 Concen: 49.491 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060143.D
 Acq: 19 Feb 2020 9:44

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:113 Resp: 91179
 Ion Ratio Lower Upper
 113 100
 111 102.5 81.4 122.2
 192 20.8 16.2 24.2

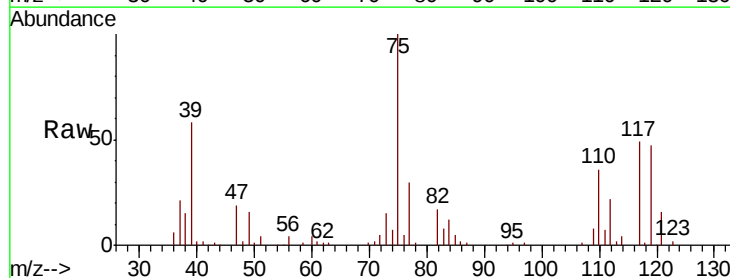


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

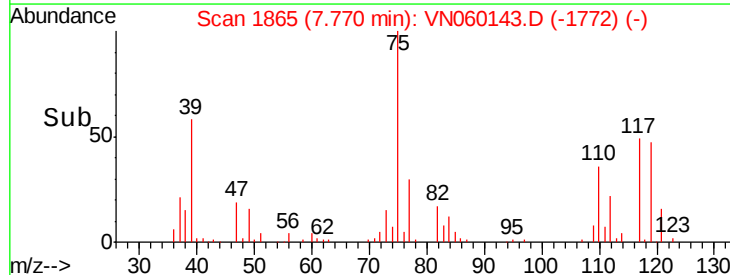
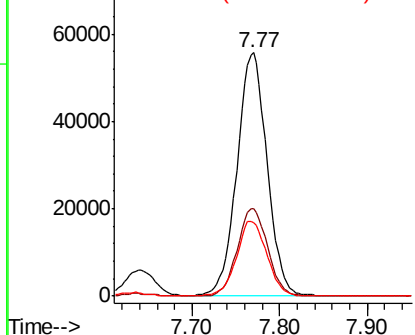


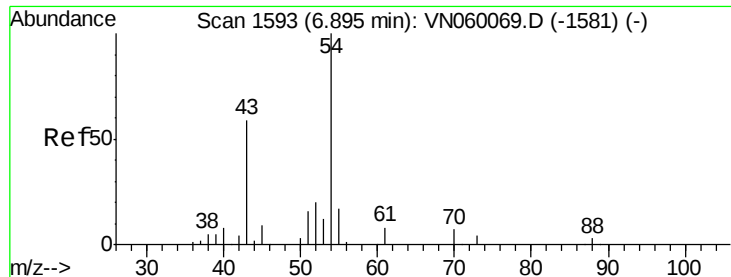
#36
 1,1-Dichloropropene
 Concen: 48.101 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN060143.D
 Acq: 19 Feb 2020 9:44

Tgt Ion: 75 Resp: 133531
 Ion Ratio Lower Upper
 75 100
 110 35.9 18.1 54.3
 77 31.0 25.1 37.7



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

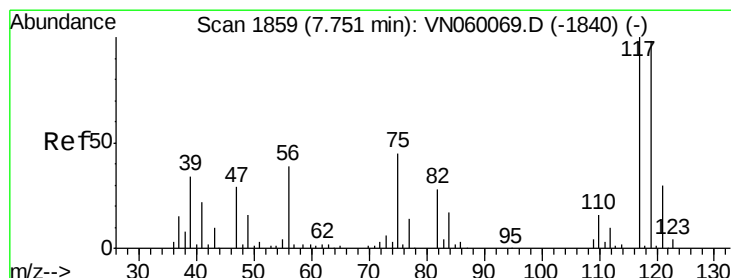
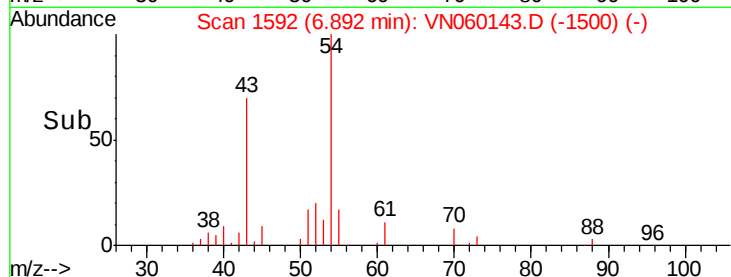
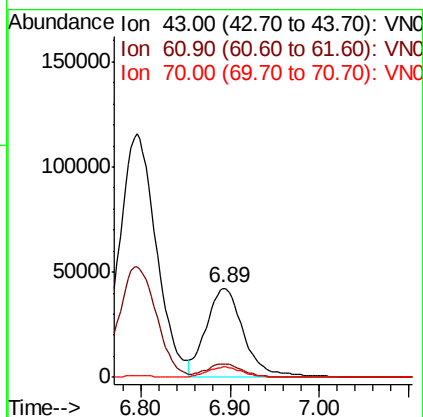
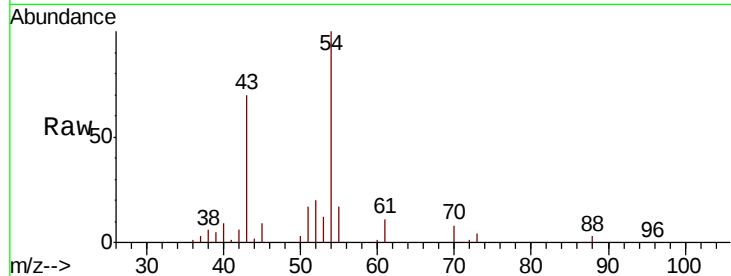




#37
Ethyl Acetate
Concen: 48.719 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060143.D
Acq: 19 Feb 2020 9:44

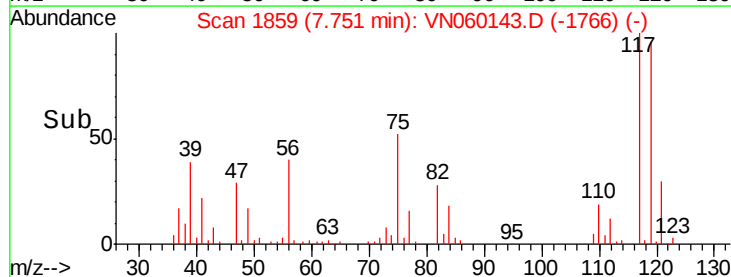
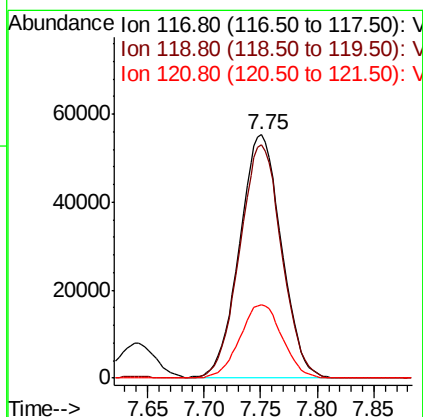
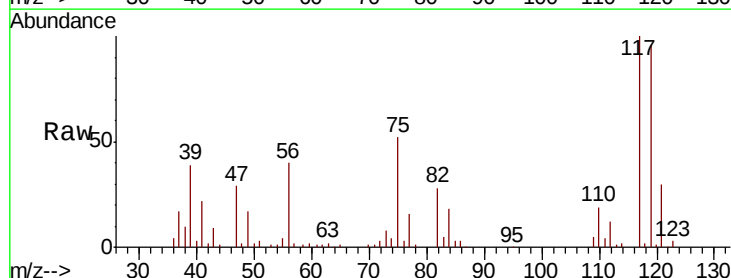
Instrument :
MSVOA_N
ClientSampleId :

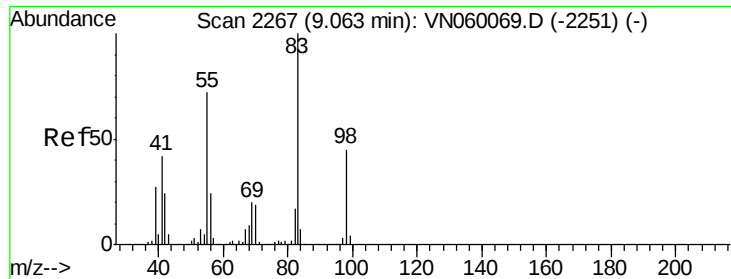
Tot Ion: 43 Resp: 122233
Ion Ratio Lower Upper
43 100
61 14.9 11.4 17.2
70 10.8 8.7 13.1



#38
Carbon Tetrachloride
Concen: 47.201 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060143.D
Acq: 19 Feb 2020 9:44

Tgt Ion: 117 Resp: 142307
Ion Ratio Lower Upper
117 100
119 95.6 78.2 117.4
121 29.9 24.2 36.2

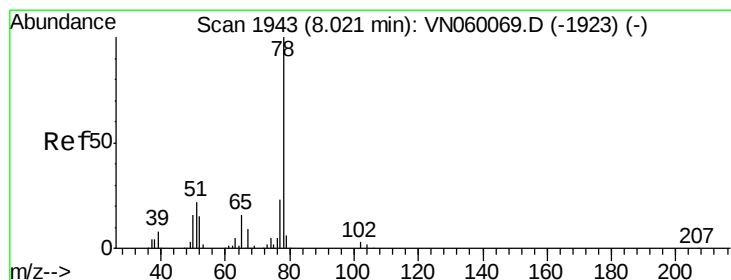
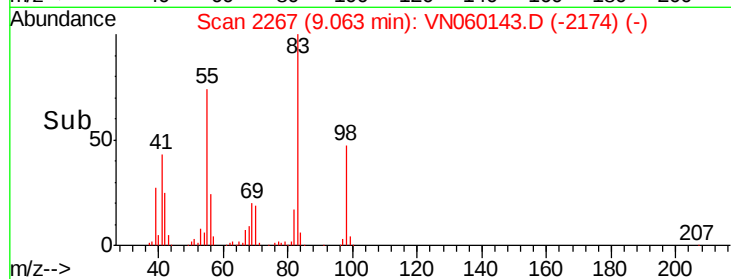
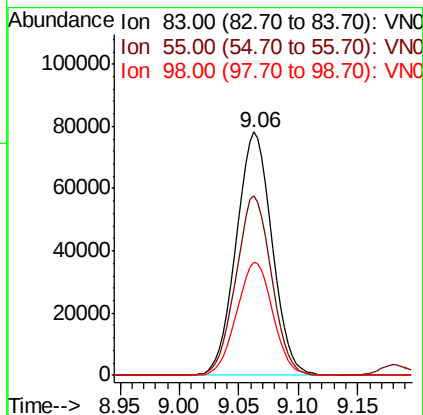
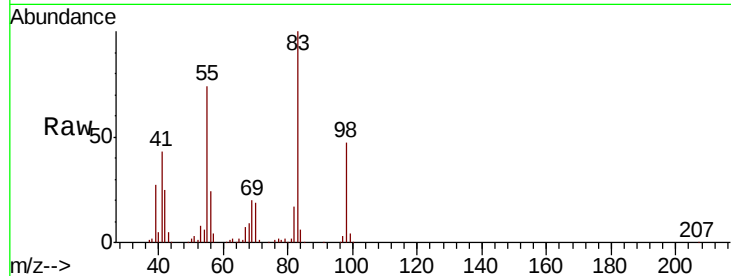




#39
Methvlcvclohexane
Concen: 47.403 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. 0.00 min
Lab File: VN060143.D
Acq: 19 Feb 2020 9:44

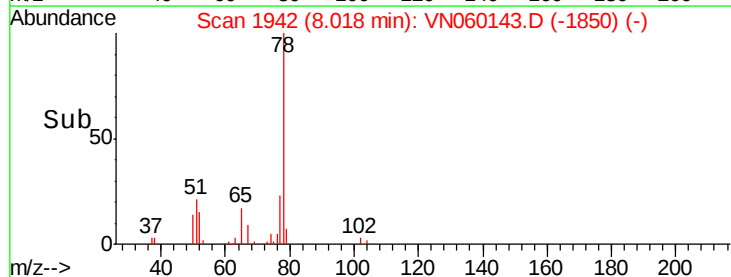
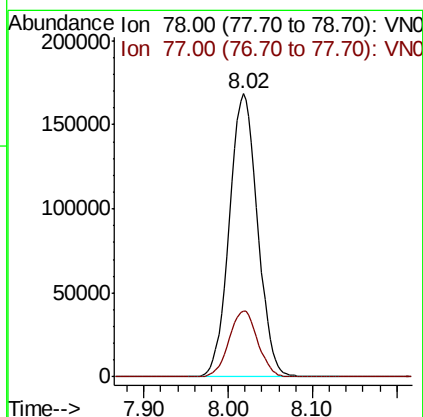
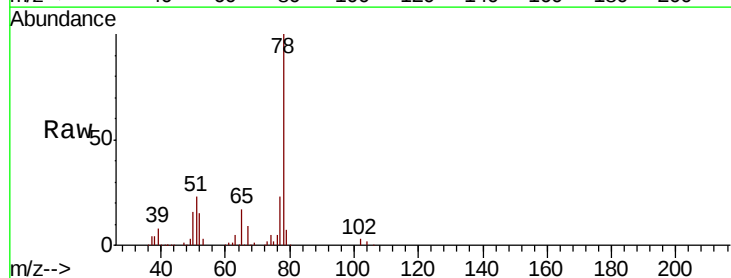
Instrument :
MSVOA_N
ClientSampled :

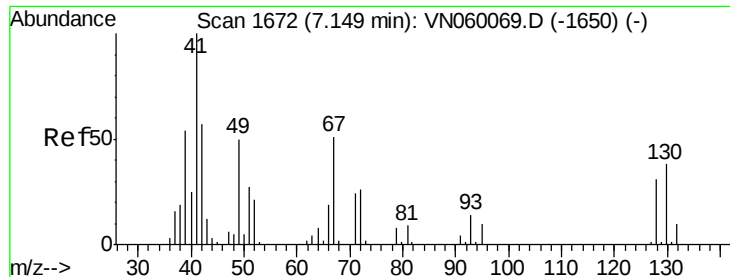
Tot Ion: 83 Resp: 163352
Ion Ratio Lower Upper
83 100
55 73.8 57.8 86.8
98 46.5 36.4 54.6



#40
Benzene
Concen: 47.662 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060143.D
Acq: 19 Feb 2020 9:44

Tgt Ion: 78 Resp: 392494
Ion Ratio Lower Upper
78 100
77 23.4 18.8 28.2

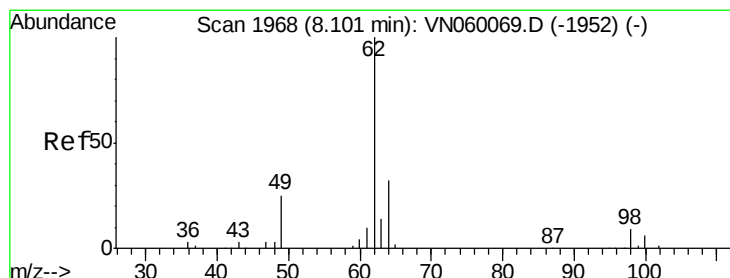
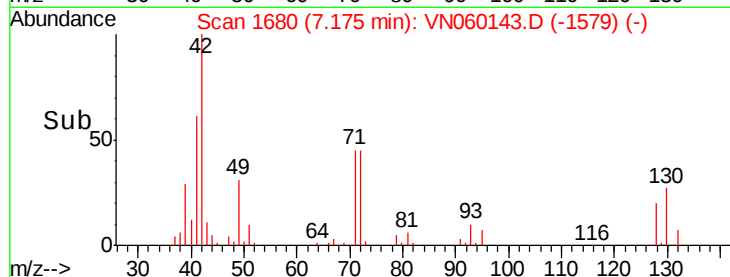
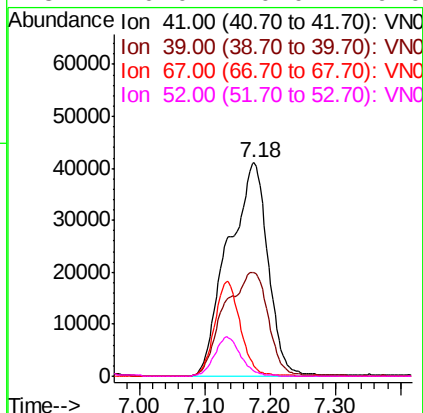
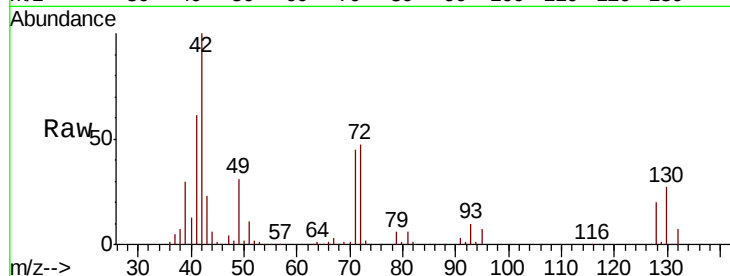




#41
Methacrylonitrile
Concen: 166.558 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.03 min
Lab File: VN060143.D
Acq: 19 Feb 2020 9:44

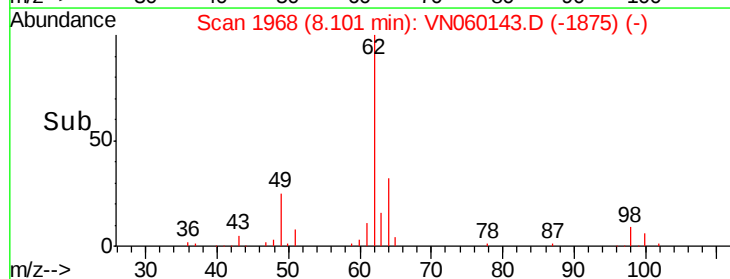
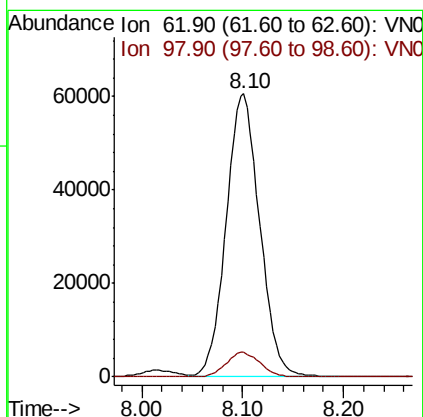
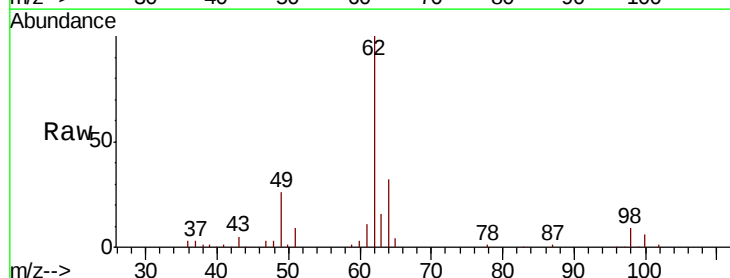
Instrument :
MSVOA_N
ClientSampleId :

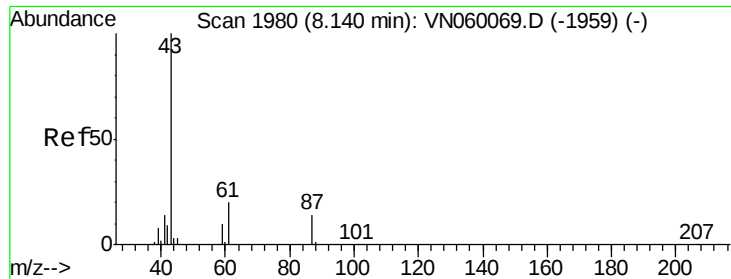
Tot Ion: 41 Resp: 175248
Ion Ratio Lower Upper
41 100
39 53.2 0.0 0.0#
67 0.0 0.0 0.0
52 0.0 0.0 0.0



#42
1,2-Dichloroethane
Concen: 48.633 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060143.D
Acq: 19 Feb 2020 9:44

Tgt Ion: 62 Resp: 140365
Ion Ratio Lower Upper
62 100
98 8.7 0.0 18.2

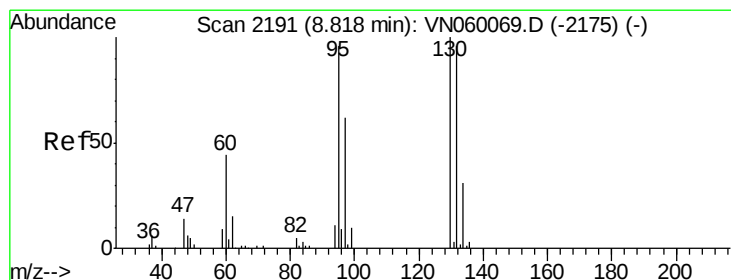
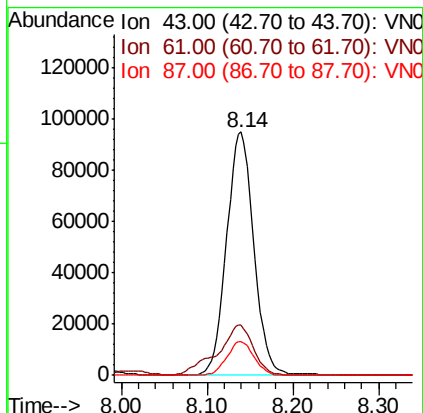
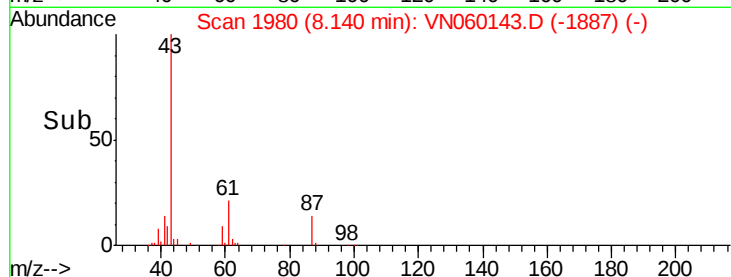
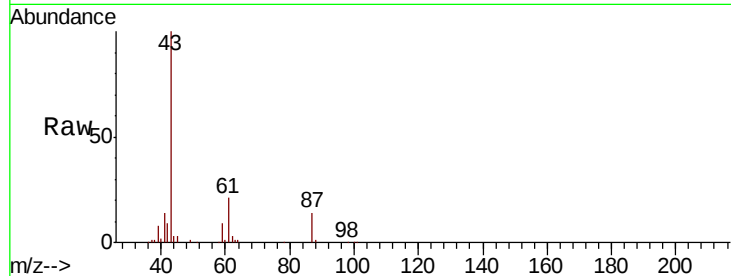




#43
Isopropyl Acetate
Concen: 48.807 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. 0.00 min
Lab File: VN060143.D
Acq: 19 Feb 2020 9:44

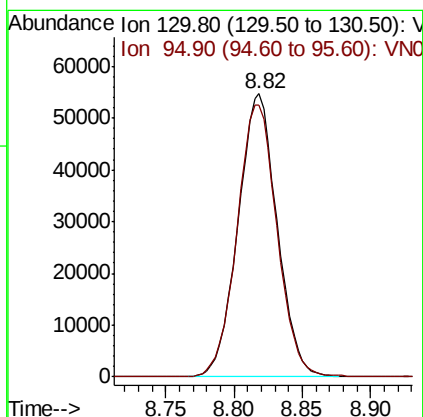
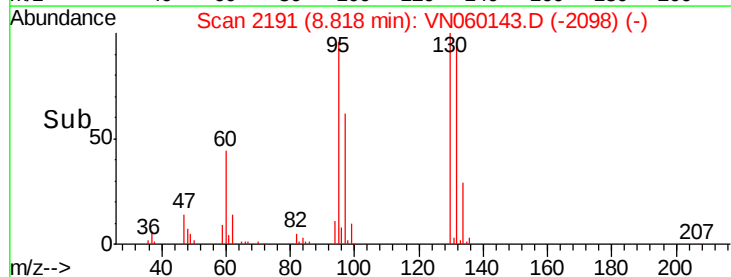
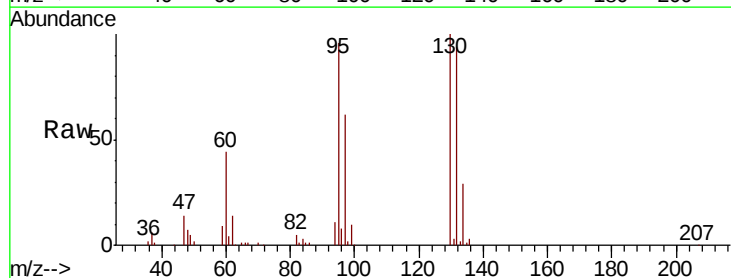
Instrument :
MSVOA_N
ClientSampled :

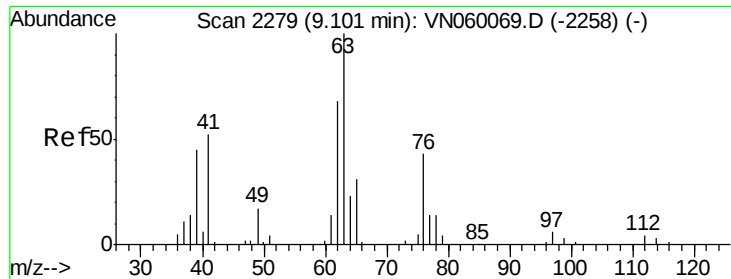
Tot Ion: 43 Resp: 209326
Ion Ratio Lower Upper
43 100
61 27.2 21.8 32.6
87 13.8 11.4 17.2



#44
Trichloroethene
Concen: 47.715 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. 0.00 min
Lab File: VN060143.D
Acq: 19 Feb 2020 9:44

Tgt Ion: 130 Resp: 108800
Ion Ratio Lower Upper
130 100
95 96.0 0.0 192.4

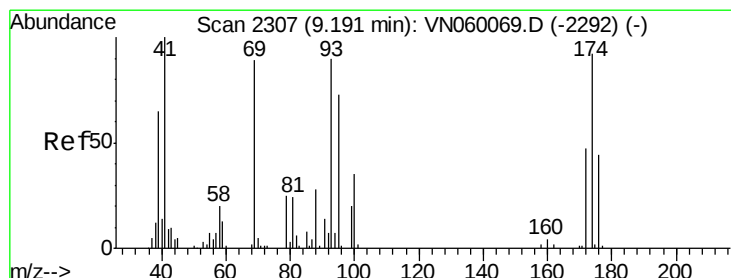
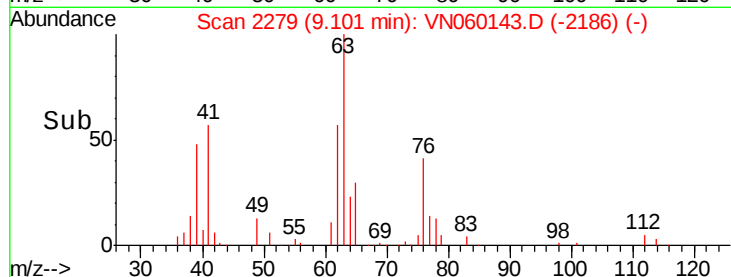
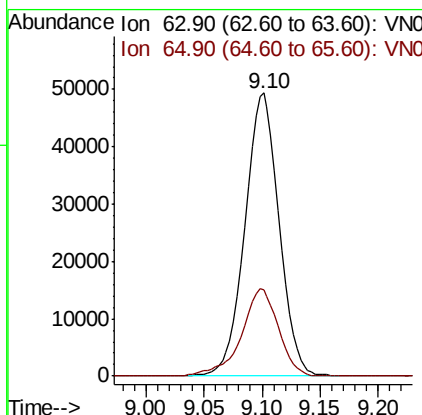
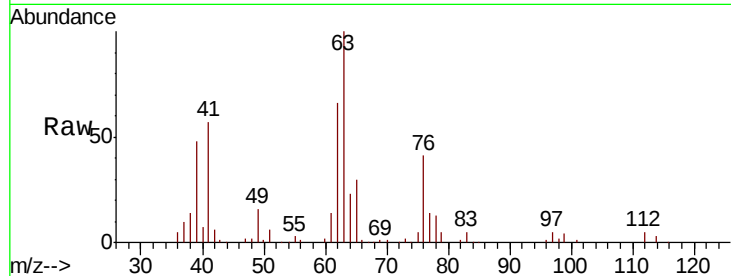




#45
 1,2-Dichloropropane
 Concen: 49.818 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN060143.D
 Acq: 19 Feb 2020 9:44

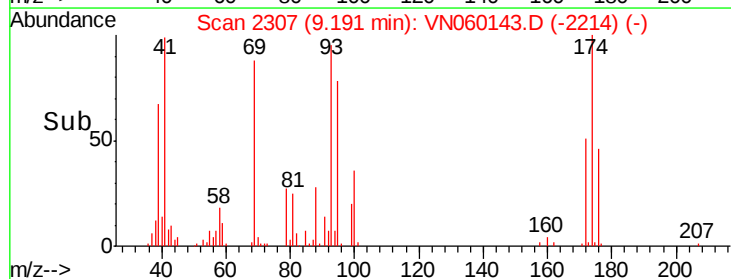
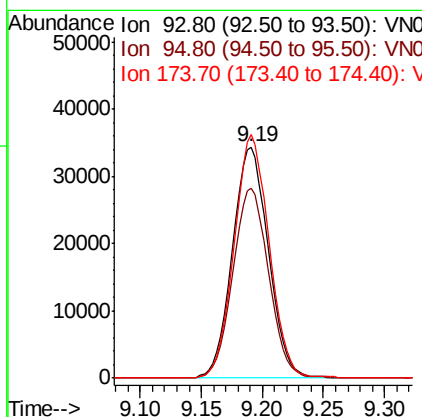
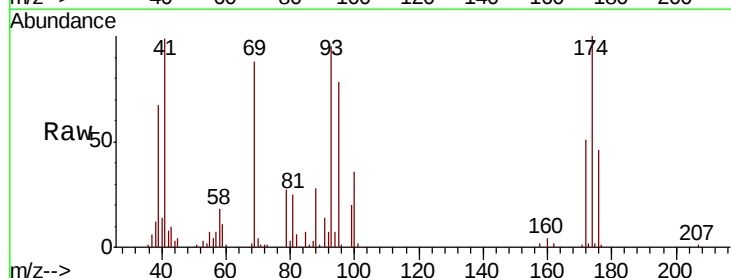
Instrument :
 MSVOA_N
 ClientSampled :

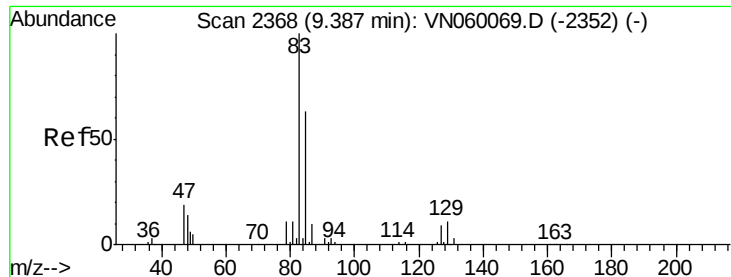
Tot Ion: 63 Resp: 101567
 Ion Ratio Lower Upper
 63 100
 65 30.4 25.0 37.4



#46
 Dibromomethane
 Concen: 48.790 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN060143.D
 Acq: 19 Feb 2020 9:44

Tgt Ion: 93 Resp: 70293
 Ion Ratio Lower Upper
 93 100
 95 81.7 65.0 97.6
 174 102.2 82.3 123.5

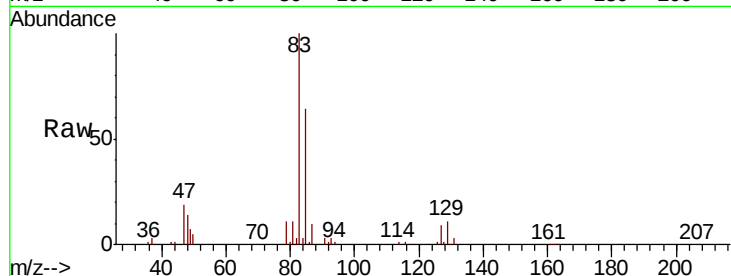




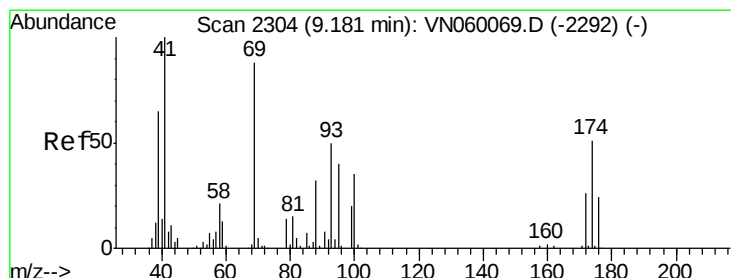
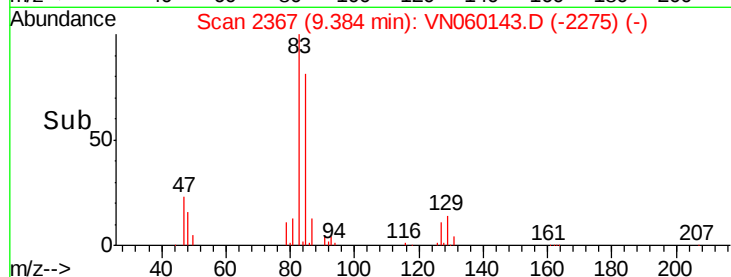
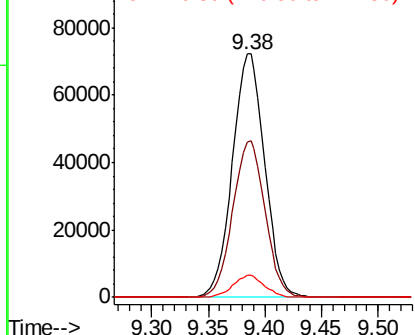
#47
Bromodichloromethane
Concen: 49.104 ug/l
RT: 9.38 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN060143.D
Acq: 19 Feb 2020 9:44

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 143831
Ion Ratio Lower Upper
83 100
85 63.9 50.6 75.8
127 8.9 7.0 10.6

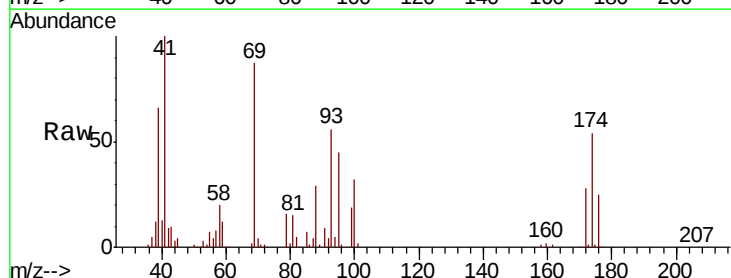


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0

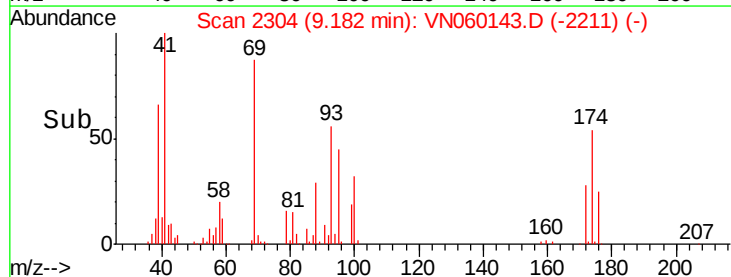
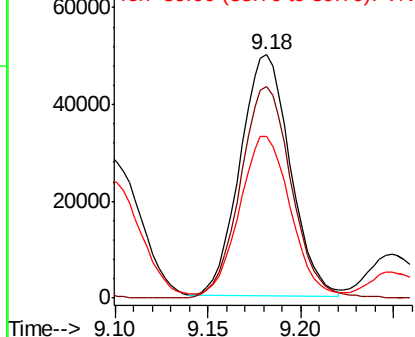


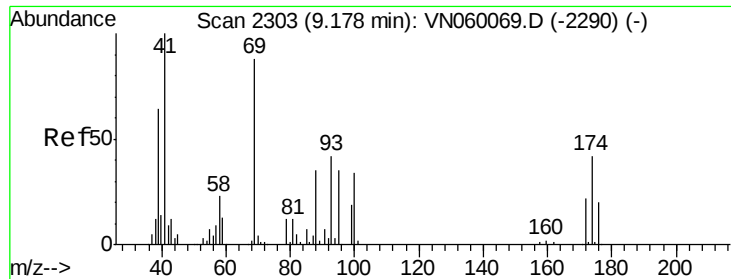
#48
Methyl methacrylate
Concen: 48.784 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060143.D
Acq: 19 Feb 2020 9:44

Tgt Ion: 41 Resp: 93872
Ion Ratio Lower Upper
41 100
69 89.3 72.0 108.0
39 69.0 54.1 81.1



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

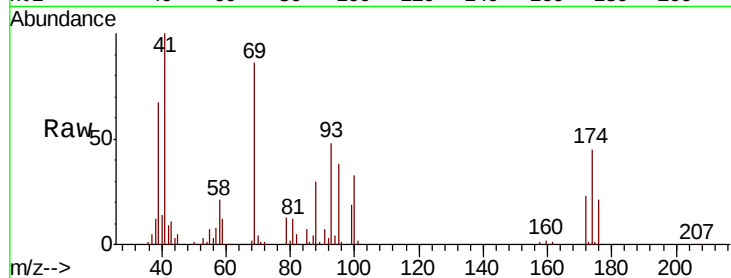




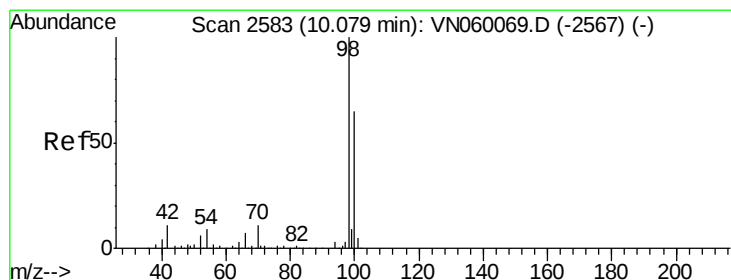
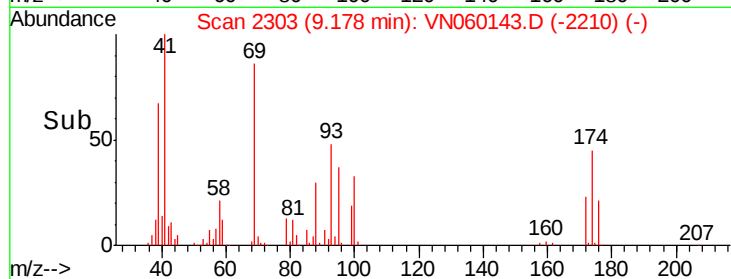
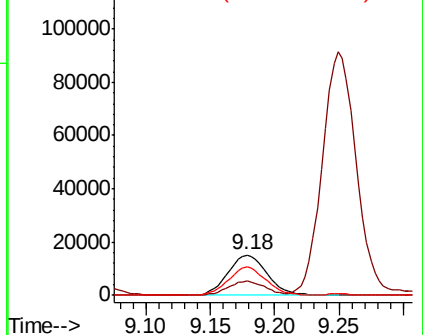
#49
1,4-Dioxane
Concen: 971.725 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060143.D
Acq: 19 Feb 2020 9:44

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 31948
Ion Ratio Lower Upper
88 100
43 33.6 26.2 39.2
58 67.6 53.2 79.8

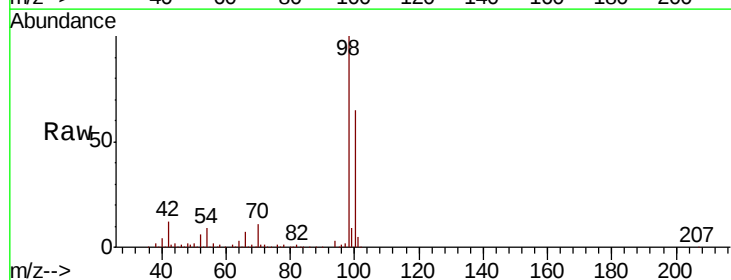


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

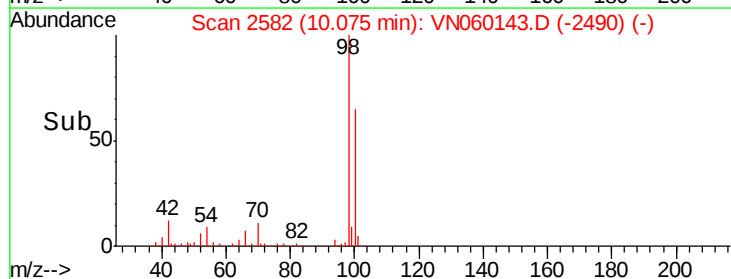
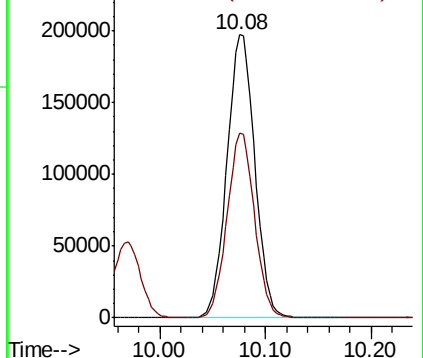


#50
Toluene-d8
Concen: 49.580 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060143.D
Acq: 19 Feb 2020 9:44

Tgt Ion: 98 Resp: 359706
Ion Ratio Lower Upper
98 100
100 64.6 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: 249.614 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060143.D

Acq: 19 Feb 2020 9:44

Instrument :

MSVOA_N

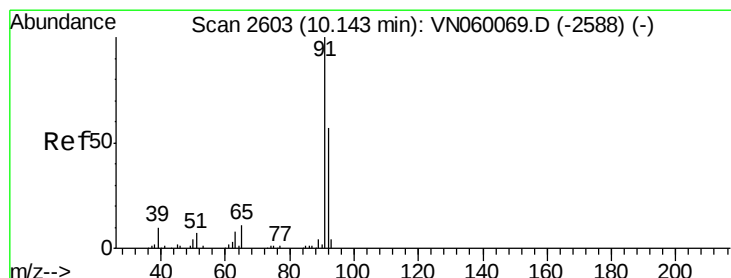
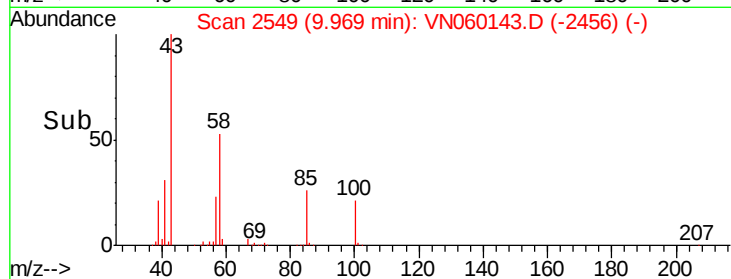
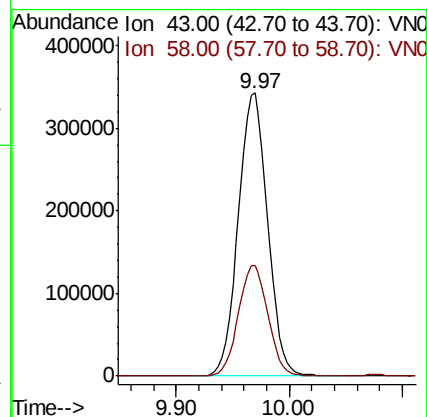
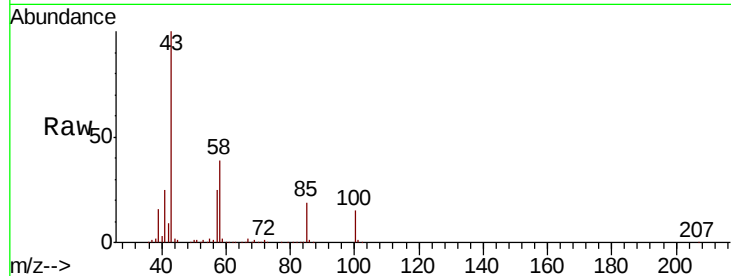
ClientSampleId :

Tot Ion: 43 Resp: 619652

Ion Ratio Lower Upper

43 100

58 39.4 31.8 47.8



#52

Toluene

Concen: 48.184 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060143.D

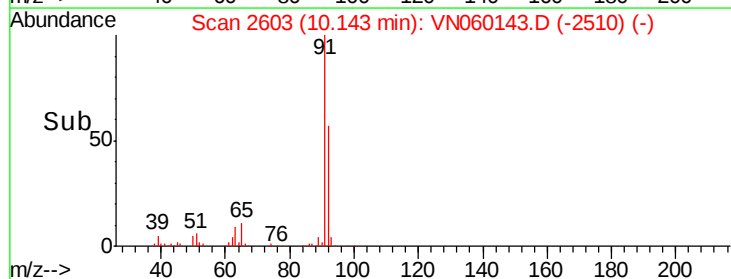
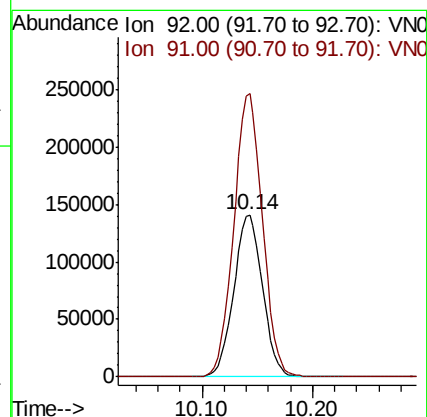
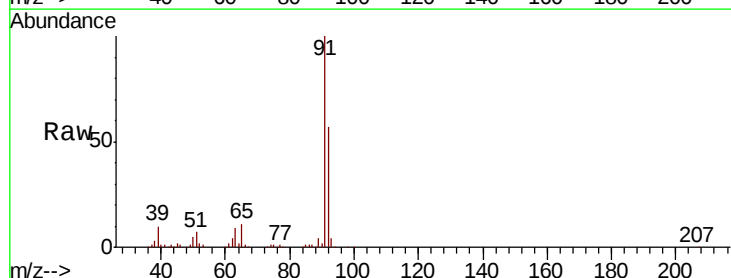
Acq: 19 Feb 2020 9:44

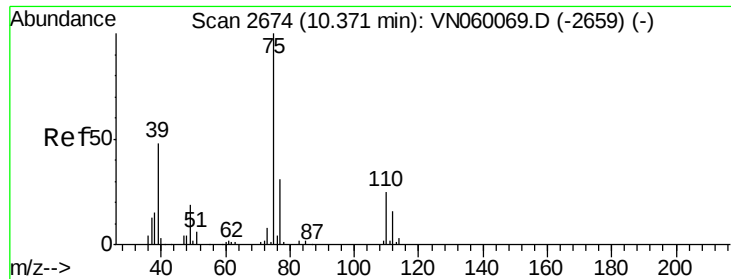
Tgt Ion: 92 Resp: 254447

Ion Ratio Lower Upper

92 100

91 174.1 140.9 211.3





#53

t-1,3-Dichloropropene

Concen: 50.049 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN060143.D

Acq: 19 Feb 2020 9:44

Instrument :

MSVOA_N

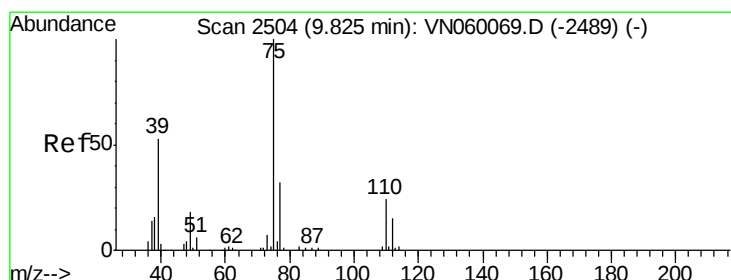
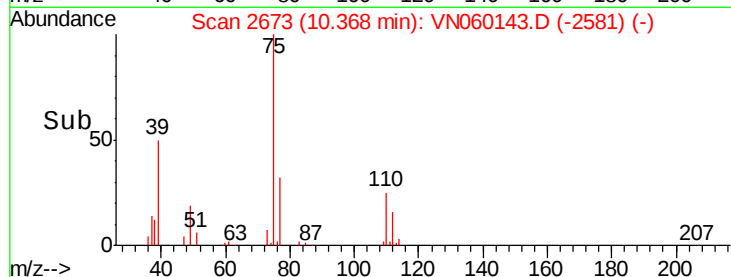
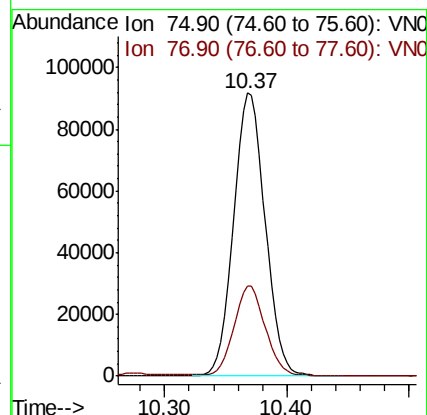
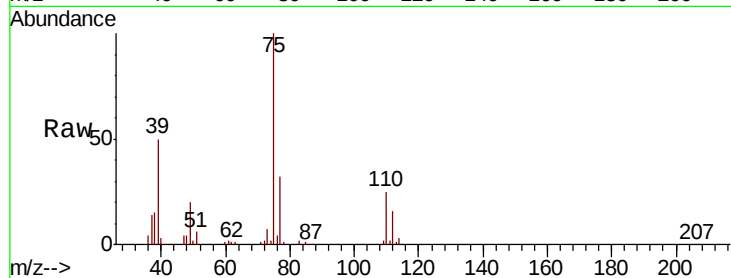
ClientSampleId :

Tot Ion: 75 Resp: 165474

Ion Ratio Lower Upper

75 100

77 31.7 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 49.114 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN060143.D

Acq: 19 Feb 2020 9:44

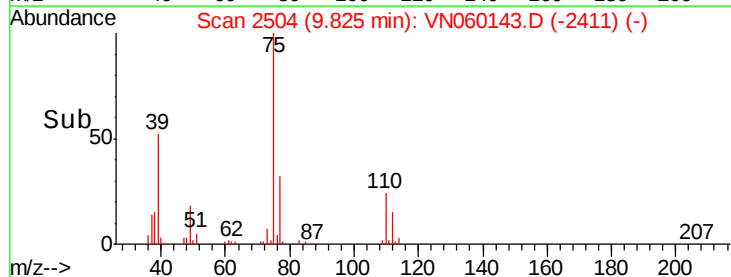
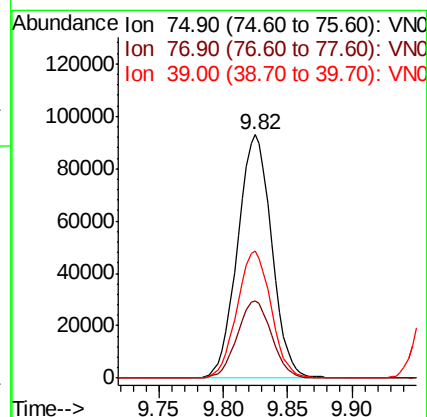
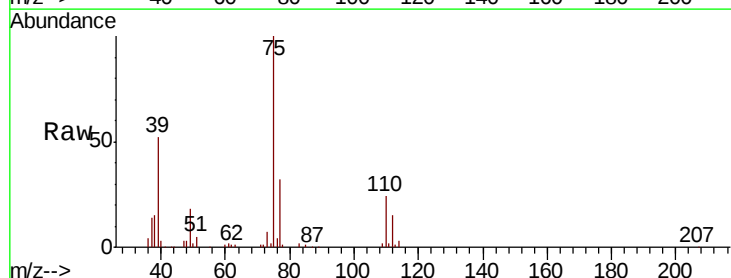
Tgt Ion: 75 Resp: 170992

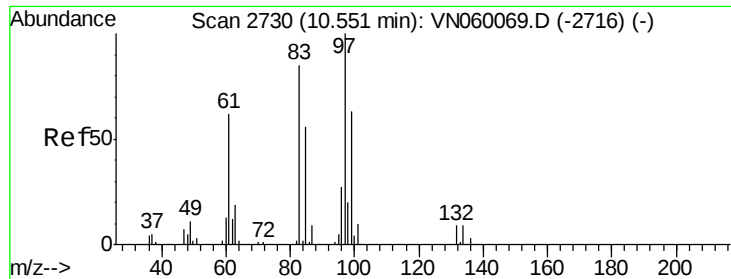
Ion Ratio Lower Upper

75 100

77 31.9 25.6 38.4

39 52.1 42.2 63.4

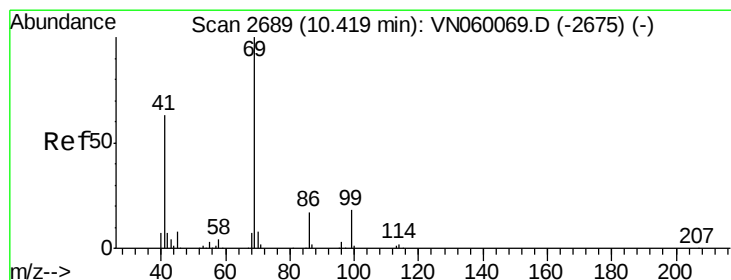
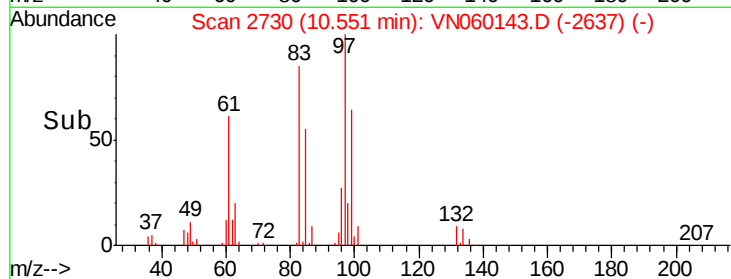
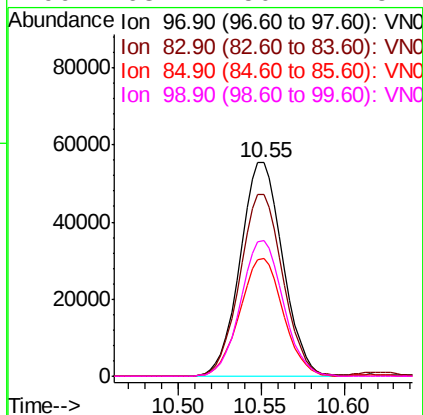
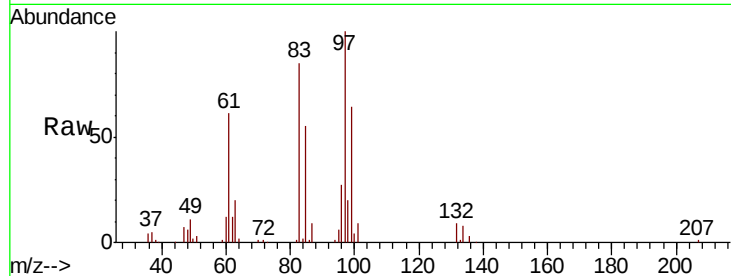




#55
 1,1,2-Trichloroethane
 Concen: 48.281 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060143.D
 Acq: 19 Feb 2020 9:44

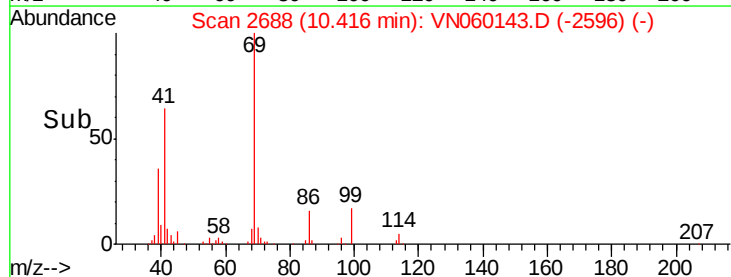
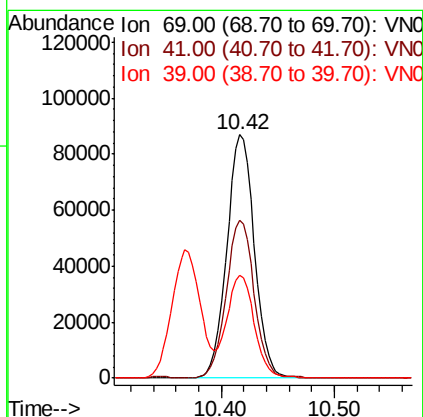
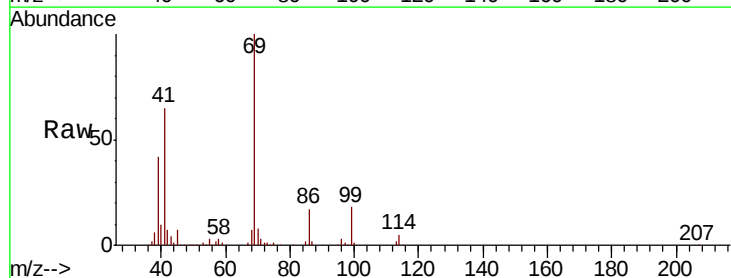
Instrument :
 MSVOA_N
 ClientSampleId :

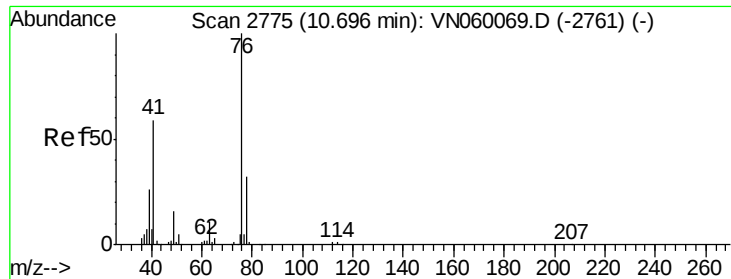
Tot Ion	97	Resp	99466
Ion	Ratio	Lower	Upper
97	100		
83	85.3	67.9	101.9
85	55.1	44.6	67.0
99	63.7	50.1	75.1



#56
 Ethyl methacrylate
 Concen: 50.574 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. -0.00 min
 Lab File: VN060143.D
 Acq: 19 Feb 2020 9:44

Tgt Ion	69	Resp	147391
Ion	Ratio	Lower	Upper
69	100		
41	65.2	51.1	76.7
39	42.7	33.8	50.8





#57

1,3-Dichloropropane

Concen: 48.549 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060143.D

Acq: 19 Feb 2020 9:44

Instrument :

MSVOA_N

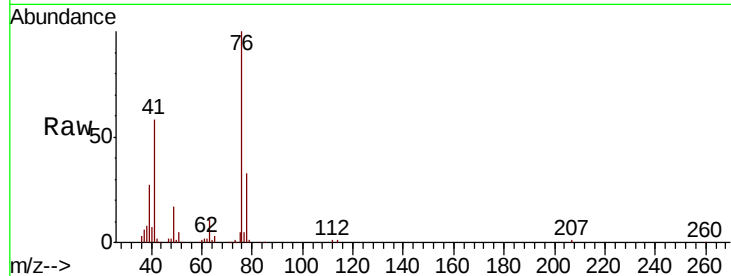
ClientSampled :

Tot Ion: 76 Resp: 165036

Ion Ratio Lower Upper

76 100

78 32.2 25.7 38.5



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

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

10.70

80000

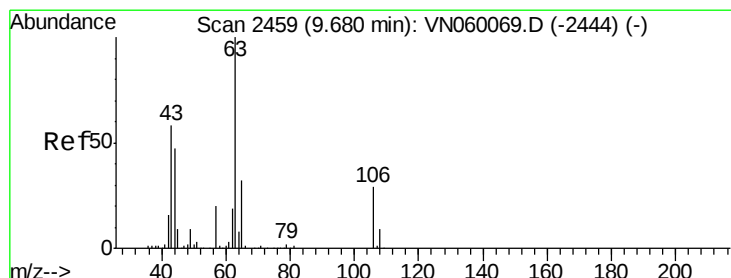
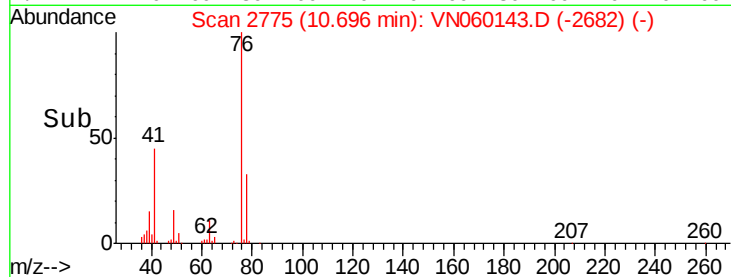
60000

40000

20000

0

Time--> 10.60 10.65 10.70 10.75



#58

2-Chloroethyl Vinyl ether

Concen: 257.826 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN060143.D

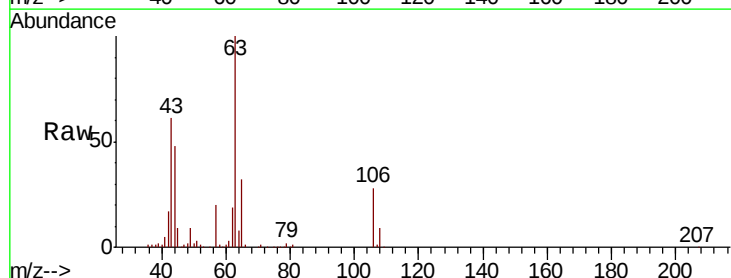
Acq: 19 Feb 2020 9:44

Tgt Ion: 63 Resp: 350052

Ion Ratio Lower Upper

63 100

106 27.8 22.9 34.3



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

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

9.68

200000

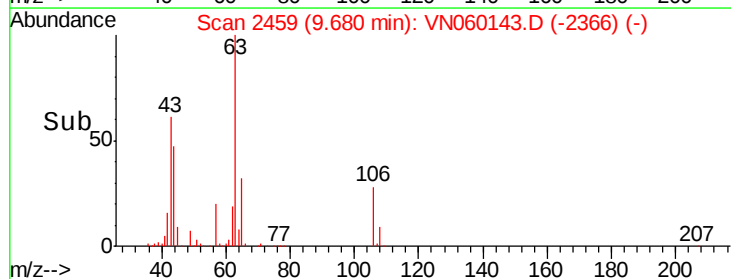
150000

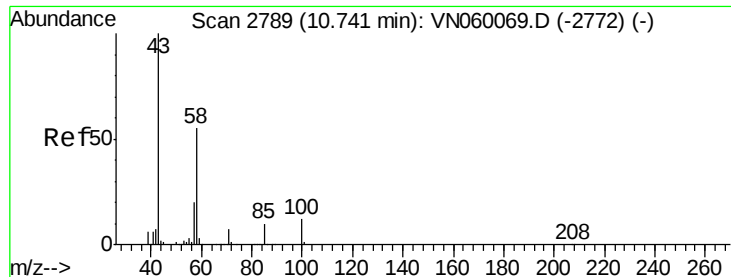
100000

50000

0

Time--> 9.60 9.70 9.80





#59

2-Hexanone

Concen: 261.102 ug/l

RT: 10.74 min Scan# 2789

Delta R.T. 0.00 min

Lab File: VN060143.D

Acq: 19 Feb 2020 9:44

Instrument :

MSVOA_N

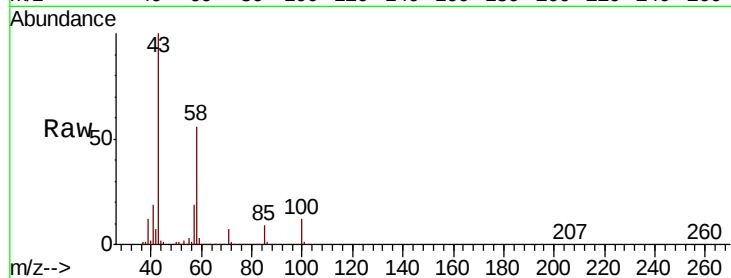
ClientSampleId :

Tot Ion: 43 Resp: 500695

Ion Ratio Lower Upper

43 100

58 54.9 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

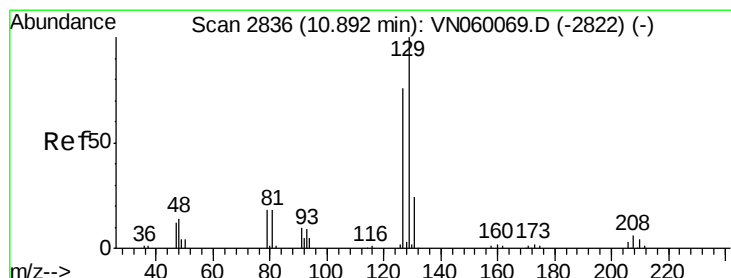
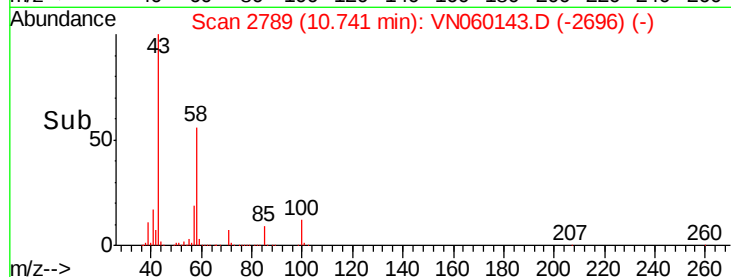
300000

200000

100000

0

Time-->



#60

Dibromochloromethane

Concen: 49.493 ug/l

RT: 10.89 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN060143.D

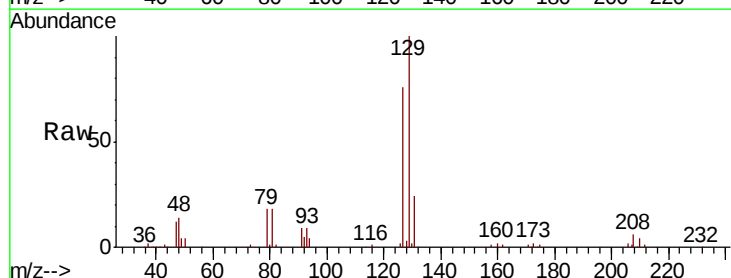
Acq: 19 Feb 2020 9:44

Tgt Ion: 129 Resp: 117007

Ion Ratio Lower Upper

129 100

127 75.9 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

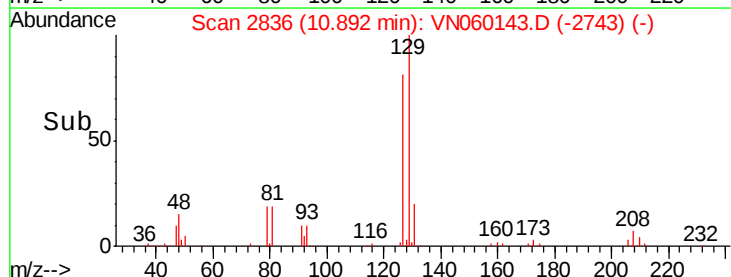
60000

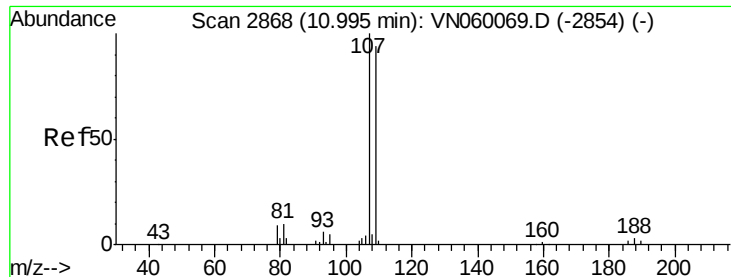
40000

20000

0

Time-->

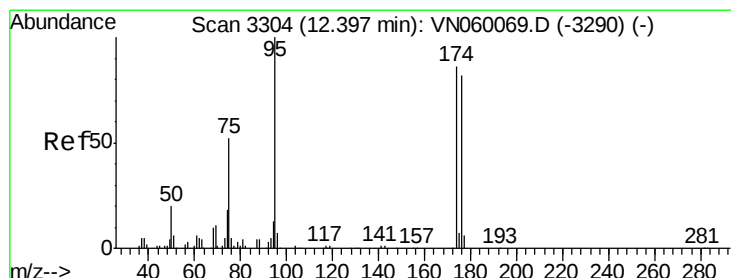
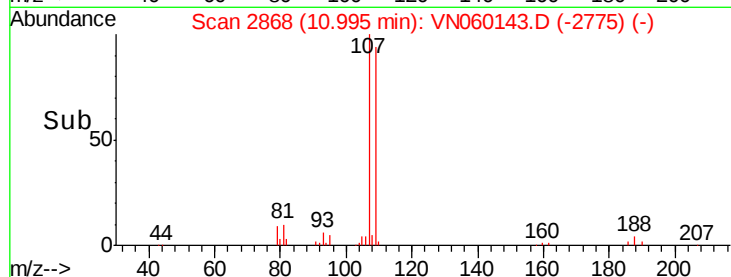
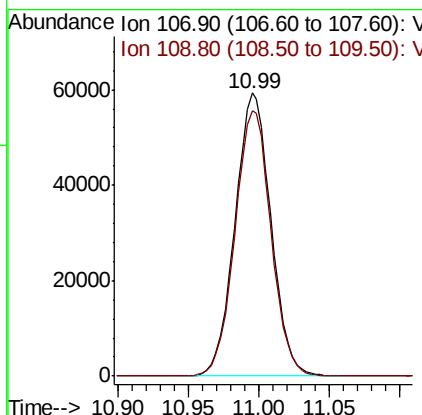
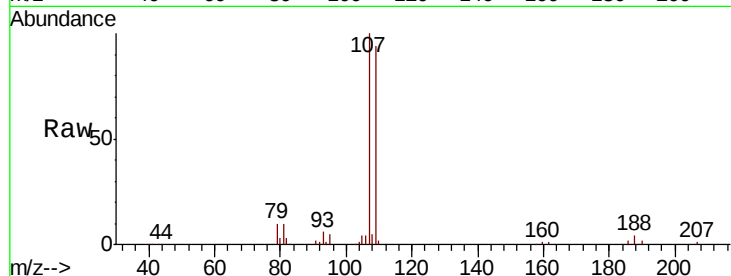




#61
 1,2-Dibromoethane
 Concen: 48.930 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. 0.00 min
 Lab File: VN060143.D
 Acq: 19 Feb 2020 9:44

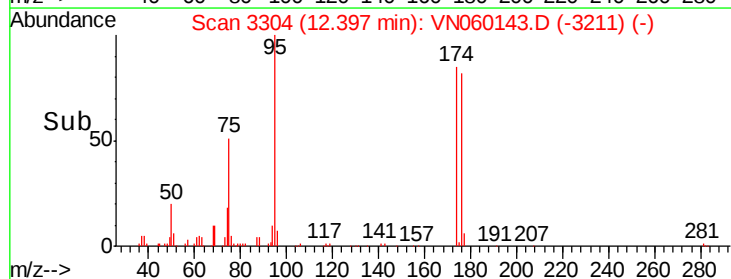
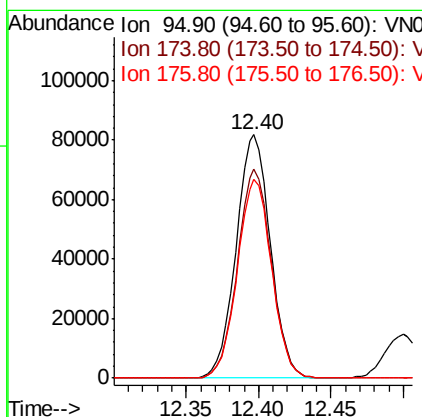
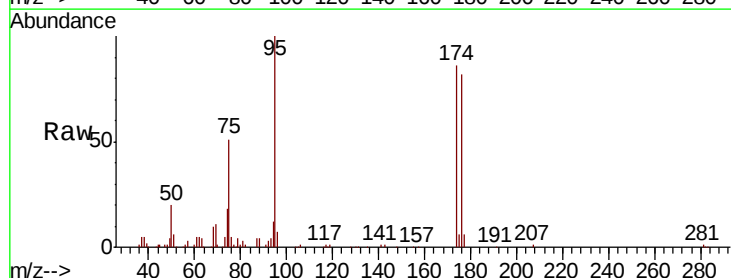
Instrument :
 MSVOA_N
 ClientSampleId :

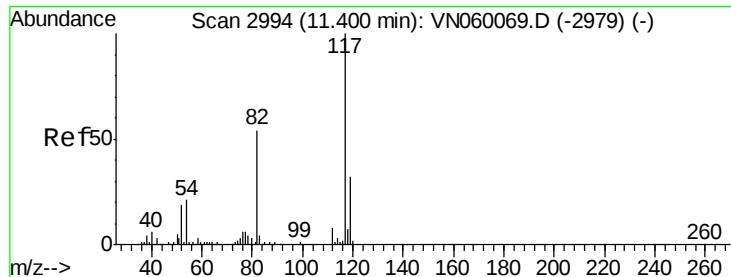
Tot Ion:107 Resp: 105670
 Ion Ratio Lower Upper
 107 100
 109 94.3 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 50.166 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060143.D
 Acq: 19 Feb 2020 9:44

Tgt Ion: 95 Resp: 133737
 Ion Ratio Lower Upper
 95 100
 174 85.4 0.0 169.8
 176 82.0 0.0 164.8

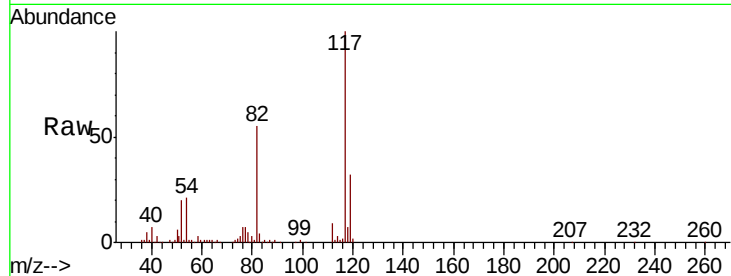




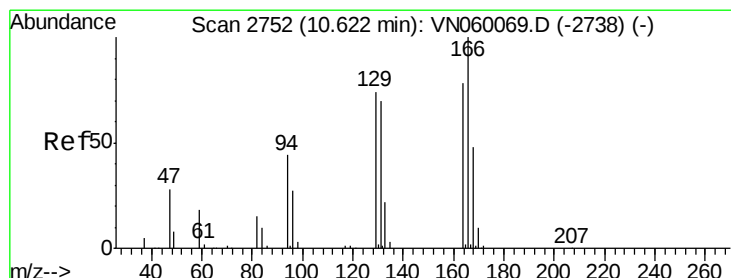
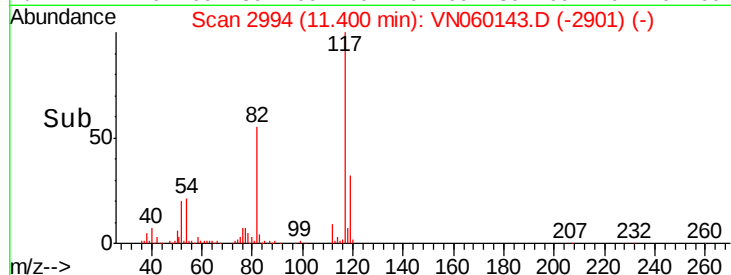
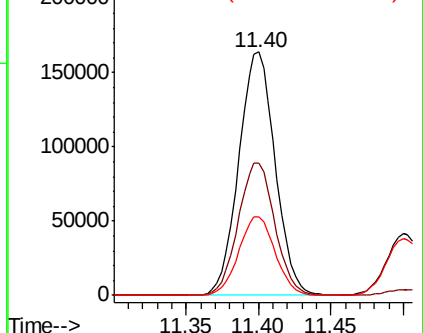
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060143.D
Acq: 19 Feb 2020 9:44

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 285431
Ion Ratio Lower Upper
117 100
82 54.5 43.4 65.0
119 32.3 25.8 38.6

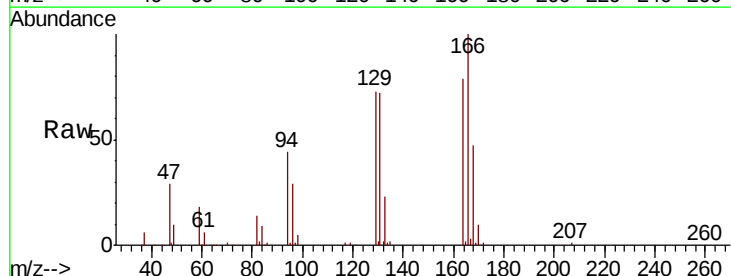


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

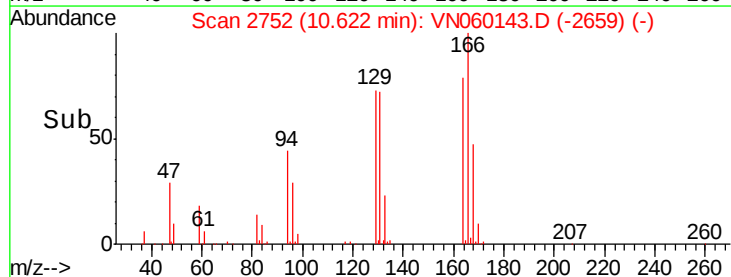
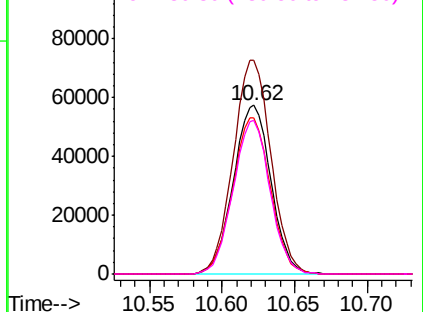


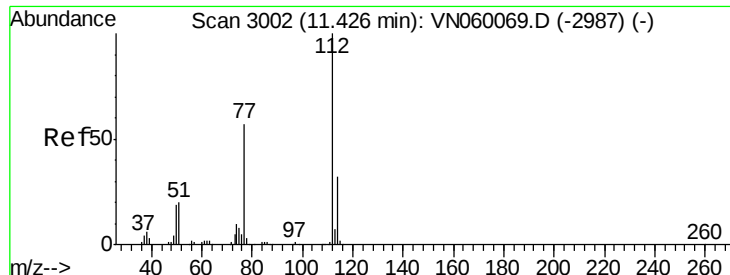
#64
Tetrachloroethene
Concen: 47.740 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060143.D
Acq: 19 Feb 2020 9:44

Tgt Ion:164 Resp: 103586
Ion Ratio Lower Upper
164 100
166 126.5 101.9 152.9
129 92.4 75.4 113.0
131 90.8 71.4 107.2



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

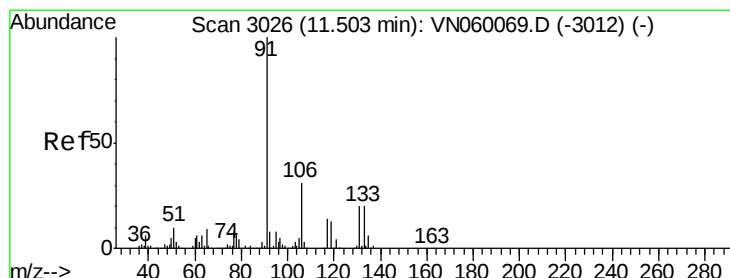
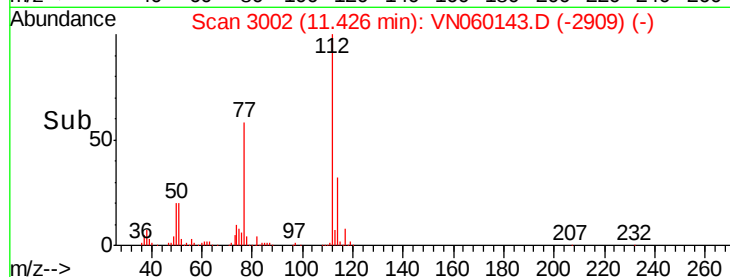
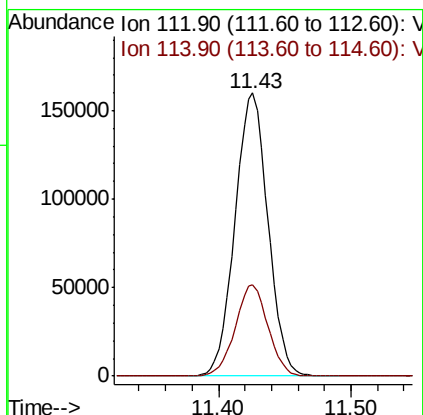
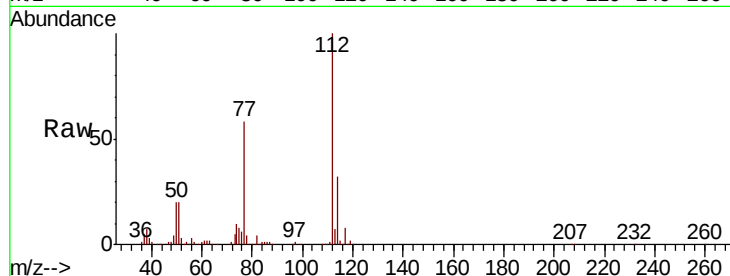




#65
Chlorobenzene
Concen: 47.442 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN060143.D
Acq: 19 Feb 2020 9:44

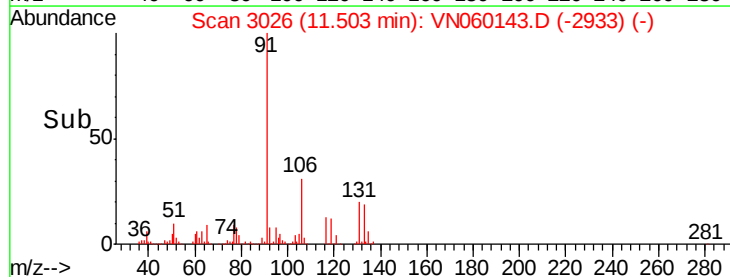
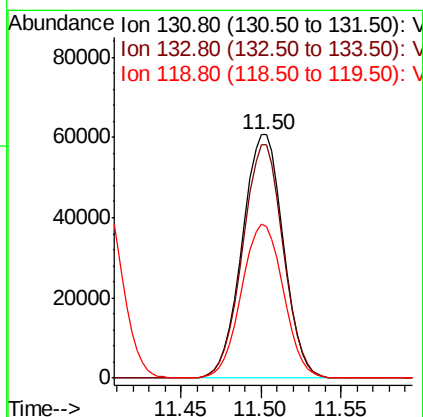
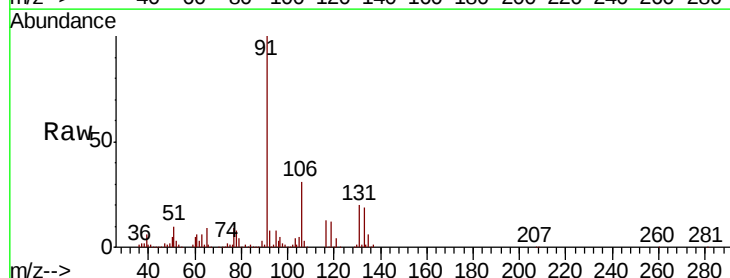
Instrument :
MSVOA_N
ClientSampled :

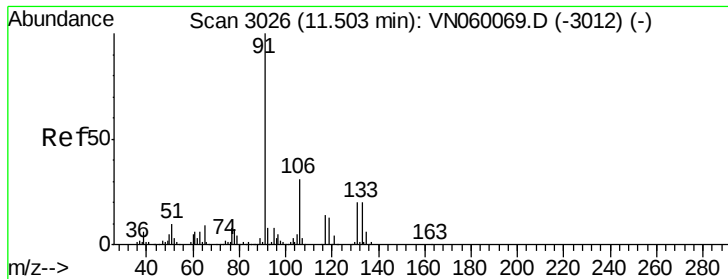
Tot Ion:112 Resp: 275887
Ion Ratio Lower Upper
112 100
114 32.4 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 48.452 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060143.D
Acq: 19 Feb 2020 9:44

Tgt Ion:131 Resp: 106588
Ion Ratio Lower Upper
131 100
133 95.2 47.9 143.7
119 64.4 32.6 97.7

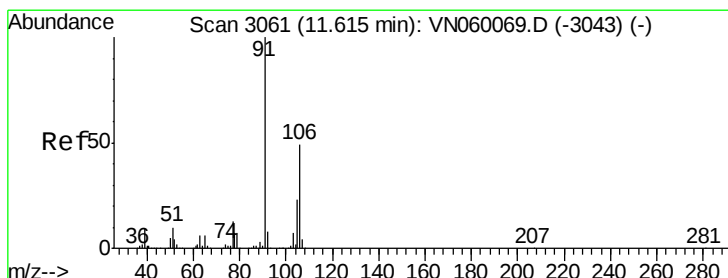
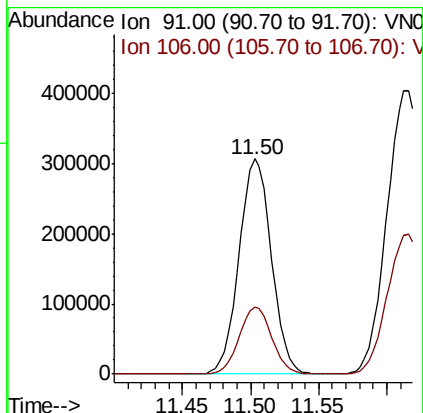
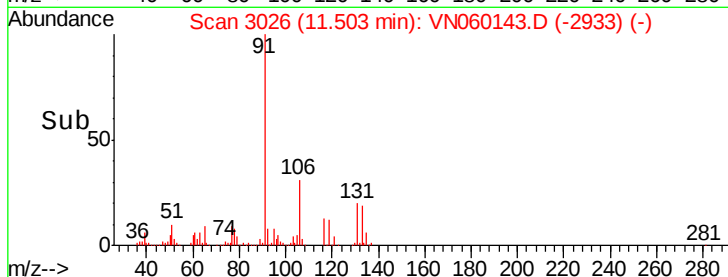
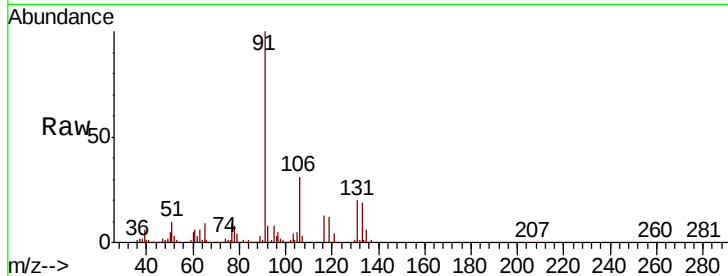




#67
Ethyl Benzene
Concen: 48.172 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060143.D
Acq: 19 Feb 2020 9:44

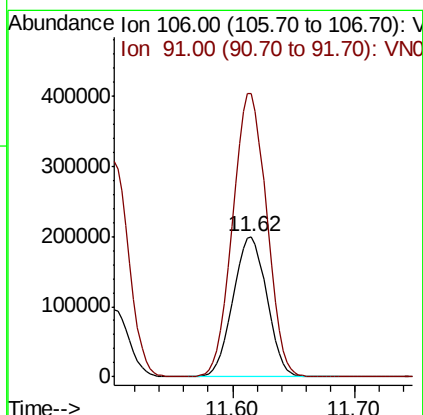
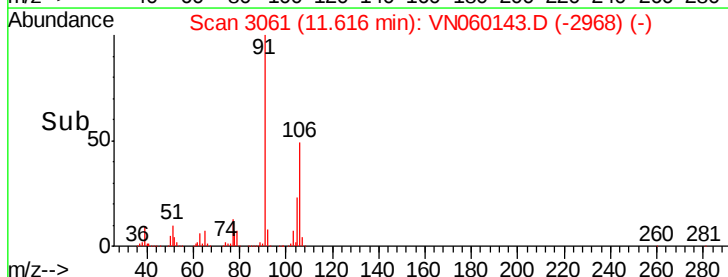
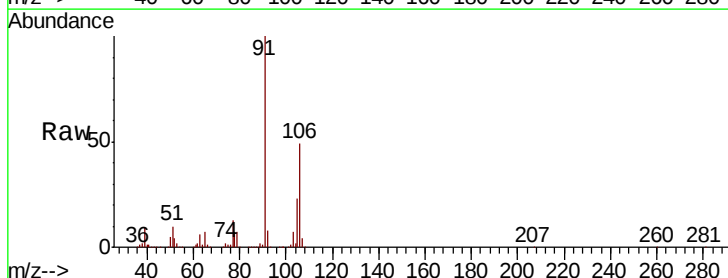
Instrument :
MSVOA_N
ClientSampled :

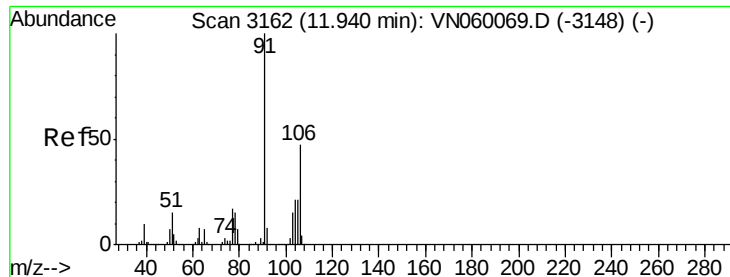
Tot Ion: 91 Resp: 505235
Ion Ratio Lower Upper
91 100
106 31.5 25.1 37.7



#68
m/p-Xylenes
Concen: 97.340 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN060143.D
Acq: 19 Feb 2020 9:44

Tgt Ion: 106 Resp: 383168
Ion Ratio Lower Upper
106 100
91 202.9 162.7 244.1

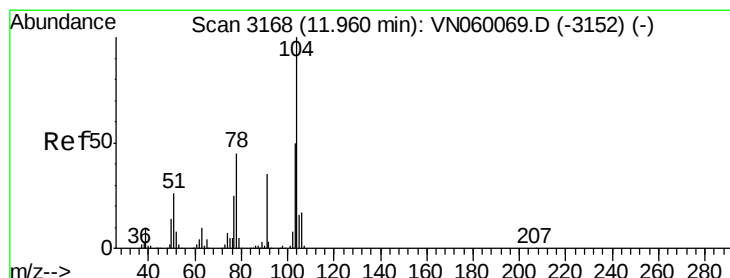
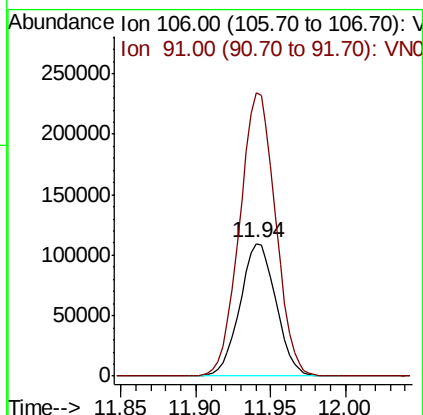
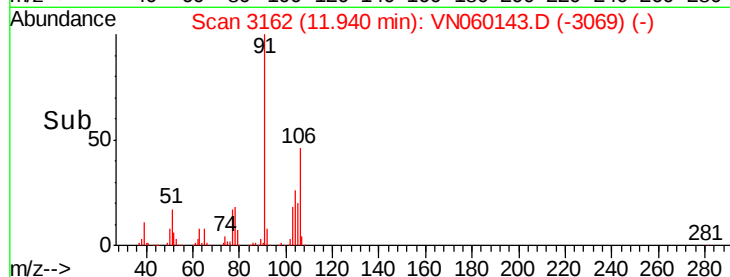
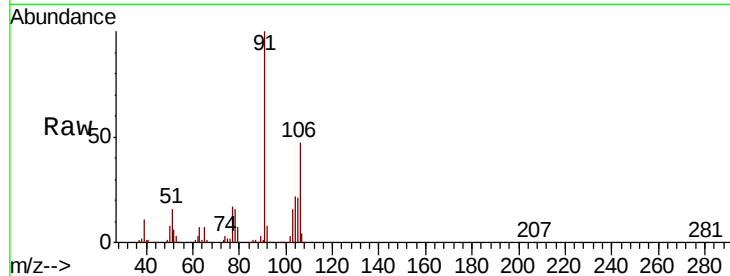




#69
o-Xylene
Concen: 48.303 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060143.D
Acq: 19 Feb 2020 9:44

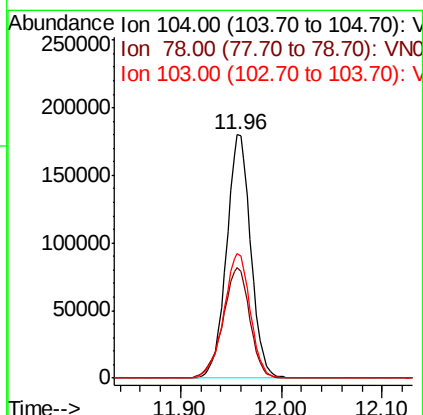
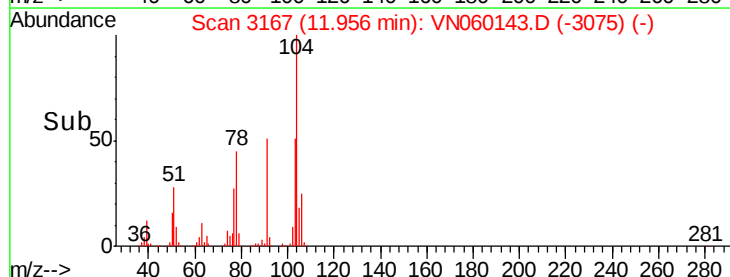
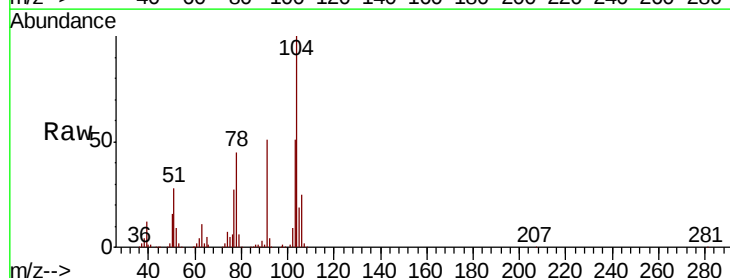
Instrument :
MSVOA_N
ClientSampled :

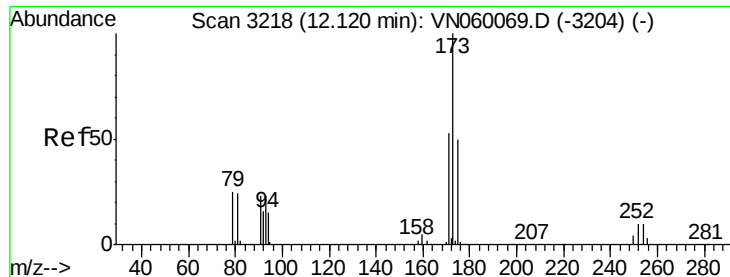
Tot Ion:106 Resp: 183072
Ion Ratio Lower Upper
106 100
91 213.9 107.2 321.6



#70
Styrene
Concen: 49.511 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060143.D
Acq: 19 Feb 2020 9:44

Tgt Ion:104 Resp: 302606
Ion Ratio Lower Upper
104 100
78 50.2 40.2 60.2
103 55.8 44.3 66.5

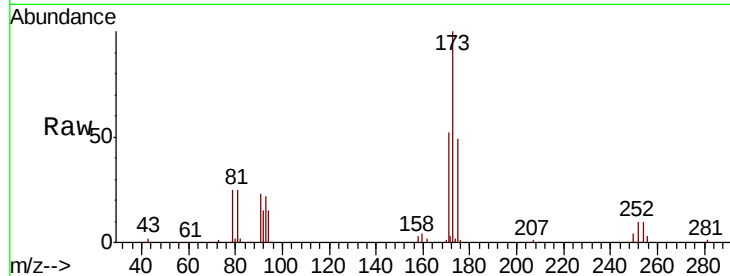




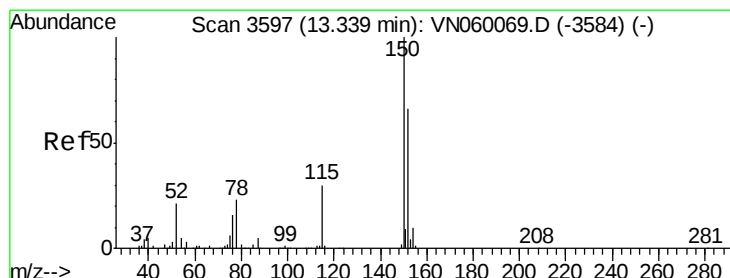
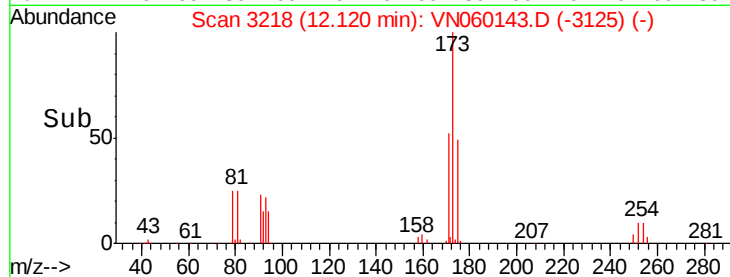
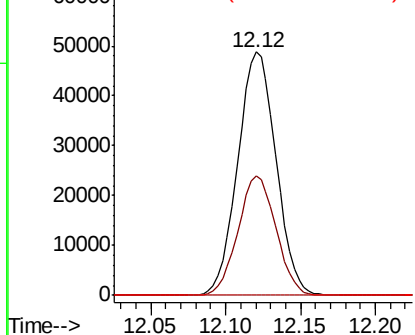
#71
Bromoform
Concen: 49.158 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN060143.D
Acq: 19 Feb 2020 9:44

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:173 Resp: 86980
Ion Ratio Lower Upper
173 100
175 48.5 24.9 74.6
254 0.0 0.0 0.0

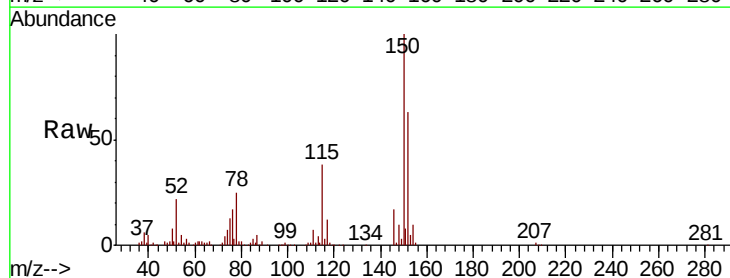


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

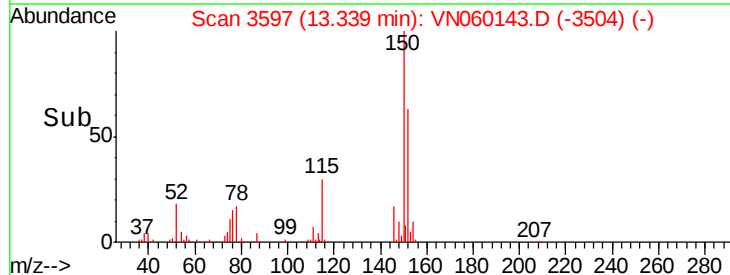
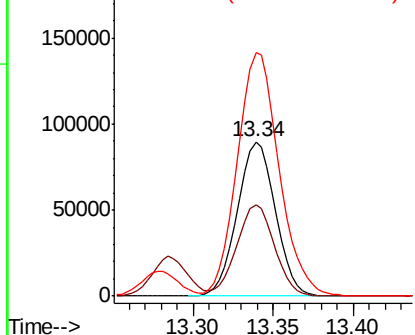


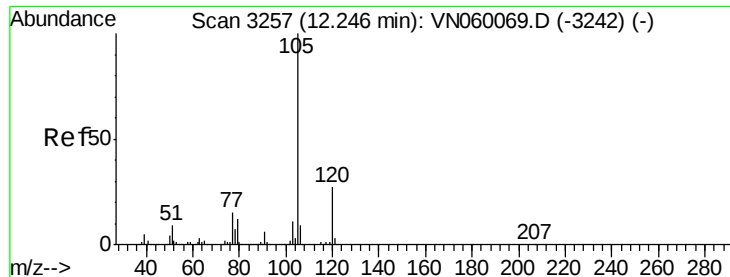
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060143.D
Acq: 19 Feb 2020 9:44

Tgt Ion:152 Resp: 144876
Ion Ratio Lower Upper
152 100
115 58.6 28.9 86.8
150 174.0 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: 46.443 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060143.D

Acq: 19 Feb 2020 9:44

Instrument :

MSVOA_N

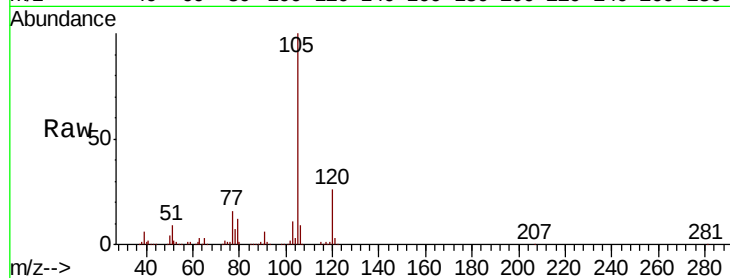
ClientSampleId :

Tot Ion:105 Resp: 502452

Ion Ratio Lower Upper

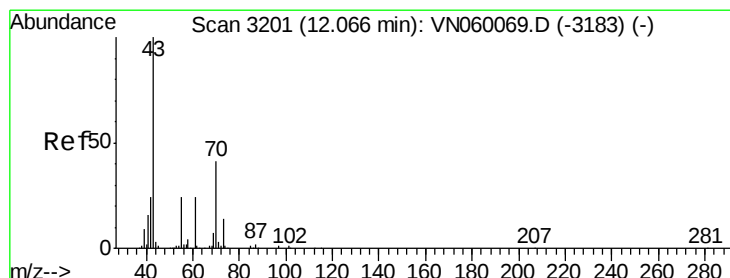
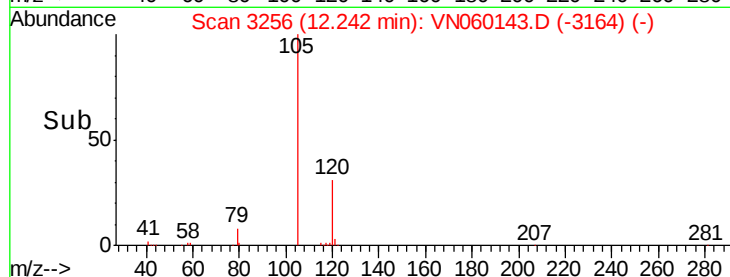
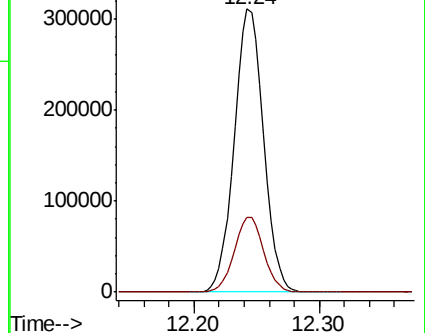
105 100

120 26.6 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.144 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060143.D

Acq: 19 Feb 2020 9:44

Tgt Ion: 43 Resp: 191717

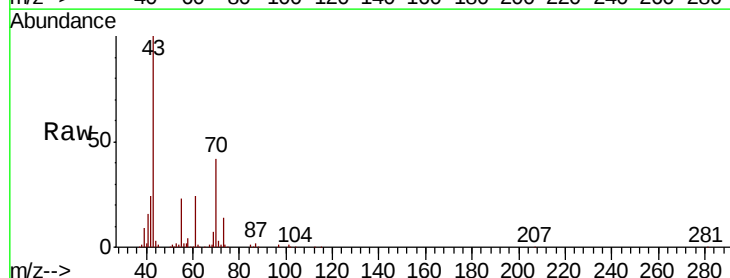
Ion Ratio Lower Upper

43 100

70 41.4 33.4 50.0

55 23.5 18.8 28.2

61 23.8 19.2 28.8

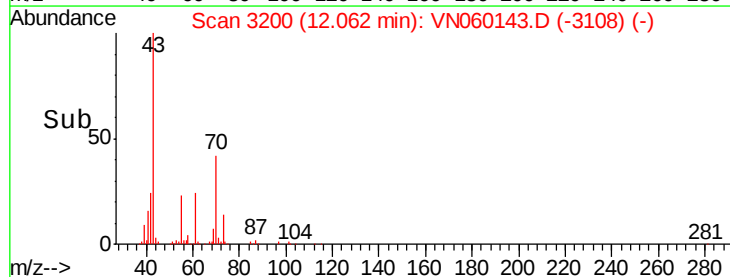
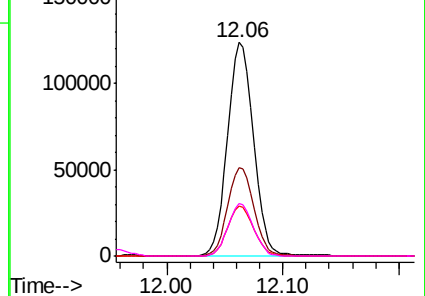


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 46.022 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060143.D

Acq: 19 Feb 2020 9:44

Instrument :

MSVOA_N

ClientSampleId :

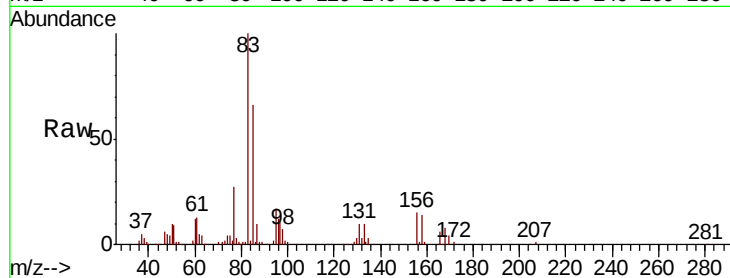
Tot Ion: 83 Resp: 143312

Ion Ratio Lower Upper

83 100

131 10.8 5.2 15.6

85 65.2 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VN060069.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN060069.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN060069.D (-3322) (-)

12.50

80000

60000

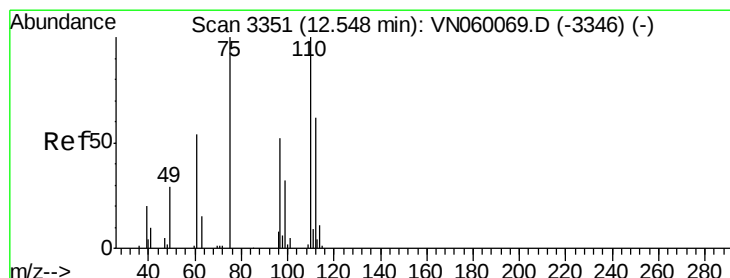
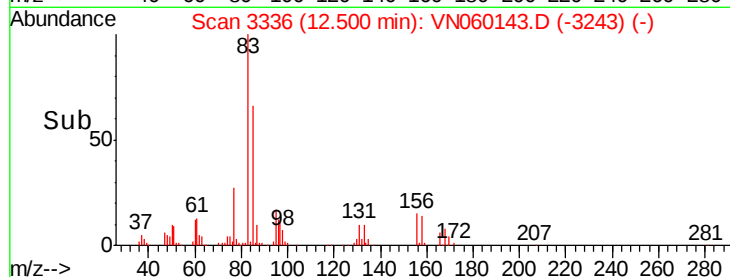
40000

20000

0

12.45 12.50 12.55

Time-->



#76

1,2,3-Trichloropropane

Concen: 71.158 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN060143.D

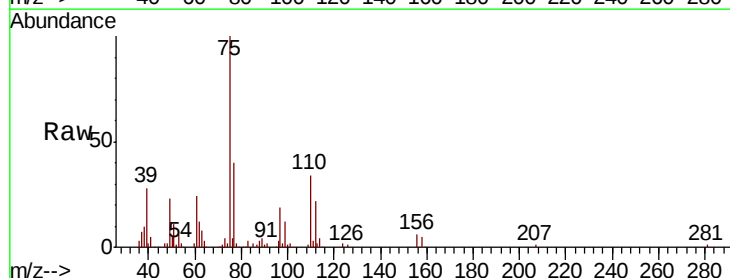
Acq: 19 Feb 2020 9:44

Tgt Ion: 75 Resp: 197236

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060069.D (-3346) (-)

Ion 77.00 (76.70 to 77.70): VN060069.D (-3346) (-)

12.55

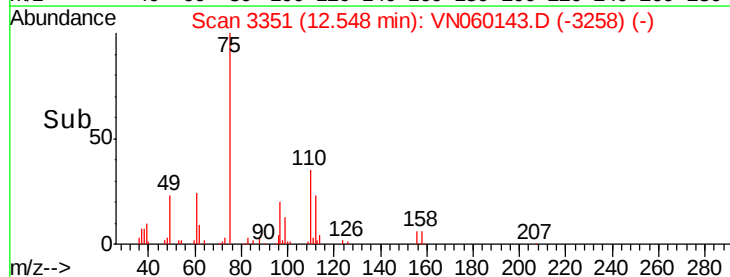
100000

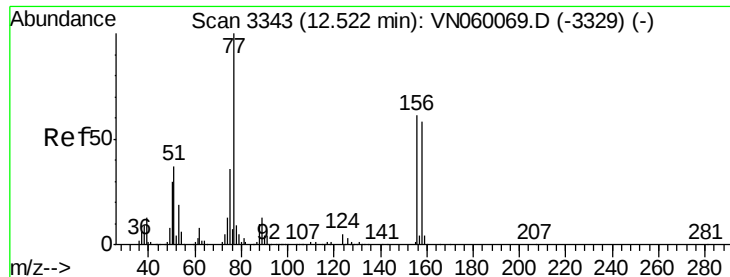
50000

0

12.50 12.55 12.60

Time-->





#77

Bromobenzene

Concen: 46.330 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN060143.D

Acq: 19 Feb 2020 9:44

Instrument :

MSVOA_N

ClientSampled :

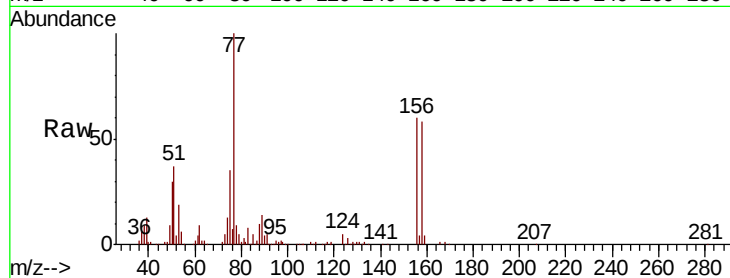
Tot Ion:156 Resp: 124389

Ion Ratio Lower Upper

156 100

77 200.3 98.7 296.1

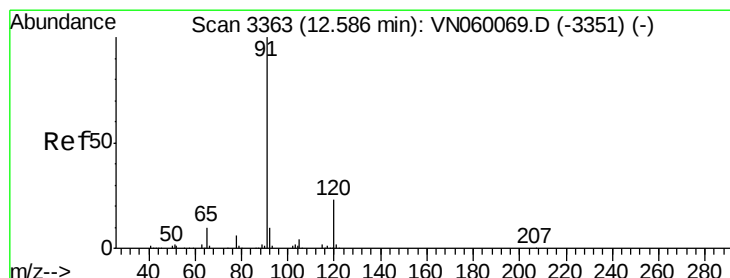
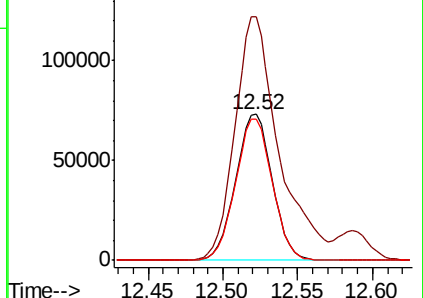
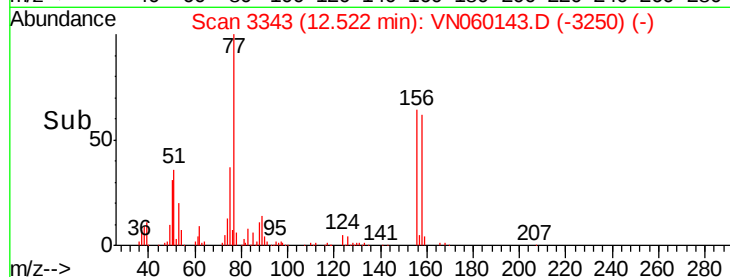
158 97.3 48.1 144.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 46.985 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060143.D

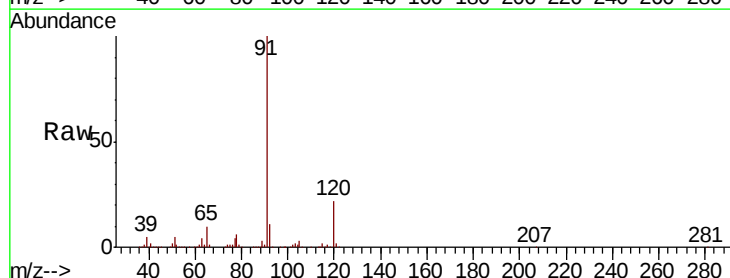
Acq: 19 Feb 2020 9:44

Tgt Ion: 91 Resp: 579137

Ion Ratio Lower Upper

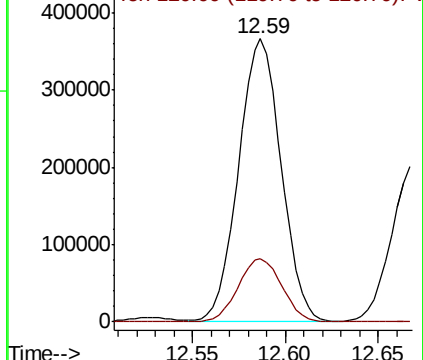
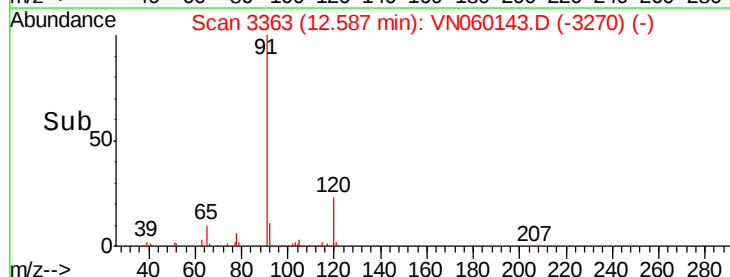
91 100

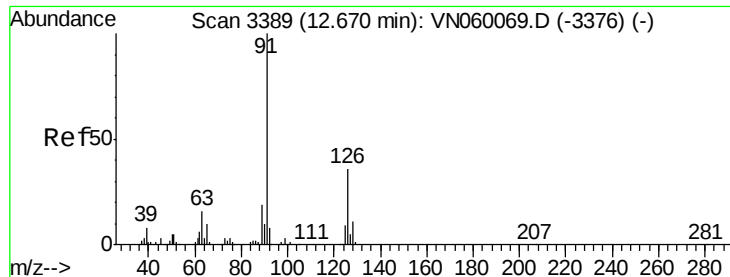
120 23.1 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

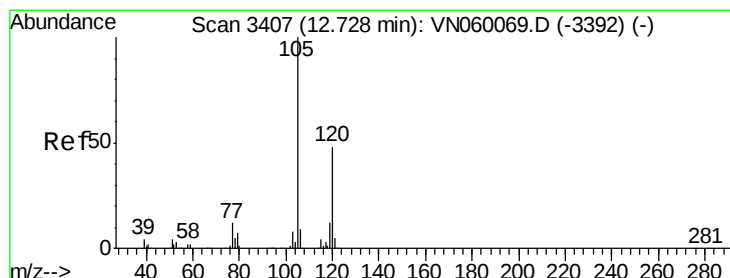
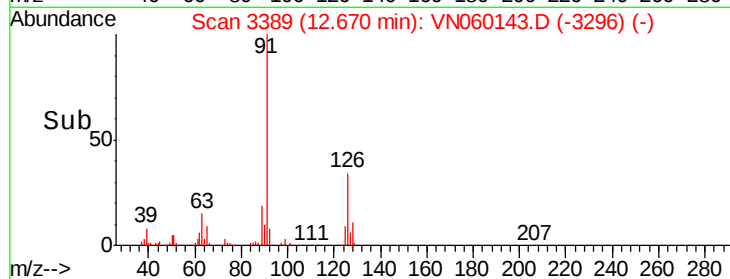
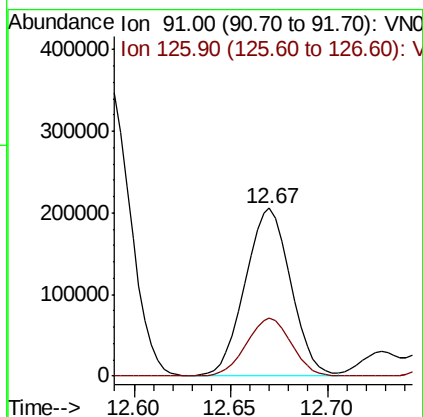
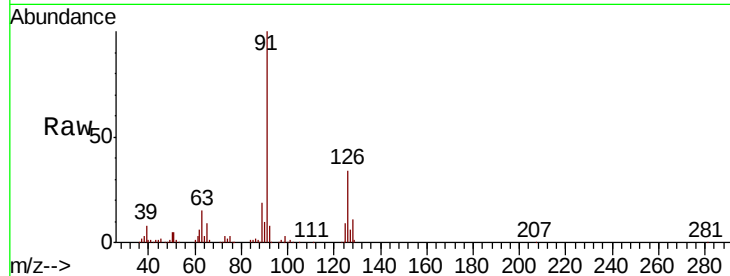




#79
 2-Chlorotoluene
 Concen: 46.413 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VN060143.D
 Acq: 19 Feb 2020 9:44

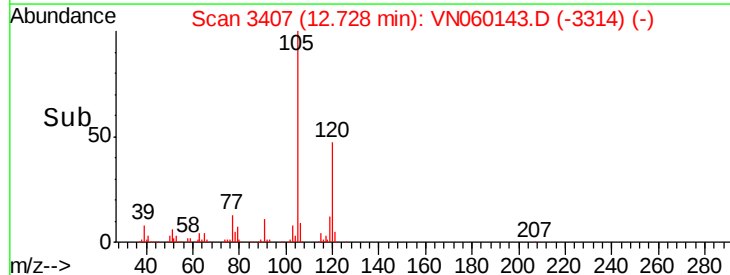
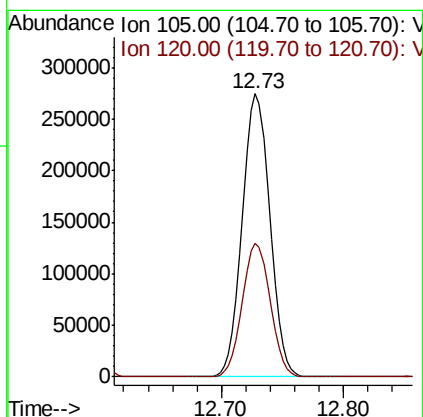
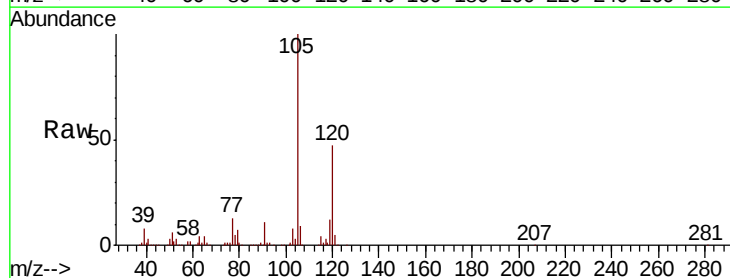
Instrument :
 MSVOA_N
 ClientSampleId :

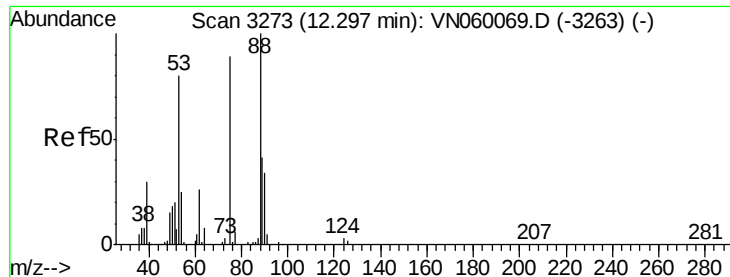
Tot Ion: 91 Resp: 336257
 Ion Ratio Lower Upper
 91 100
 126 34.5 17.4 52.2



#80
 1,3,5-Trimethylbenzene
 Concen: 47.458 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. 0.00 min
 Lab File: VN060143.D
 Acq: 19 Feb 2020 9:44

Tgt Ion: 105 Resp: 426896
 Ion Ratio Lower Upper
 105 100
 120 47.9 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 48.574 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. -0.00 min

Lab File: VN060143.D

Acq: 19 Feb 2020 9:44

Instrument :

MSVOA_N

ClientSampled :

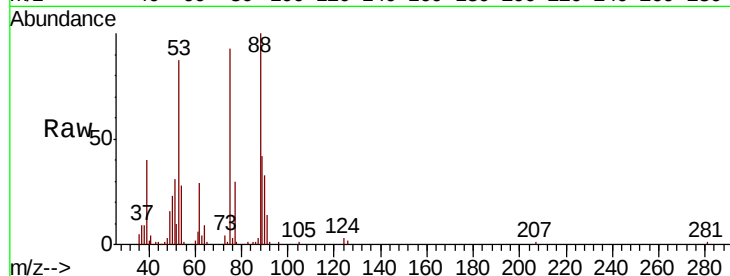
Tot Ion: 75 Resp: 54988

Ion Ratio Lower Upper

75 100

53 92.9 73.9 110.9

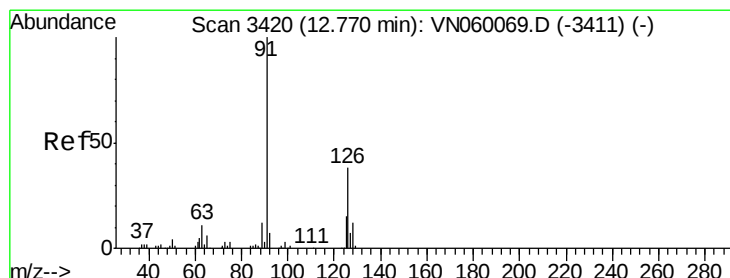
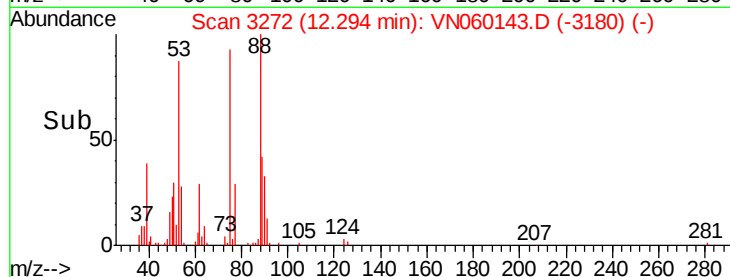
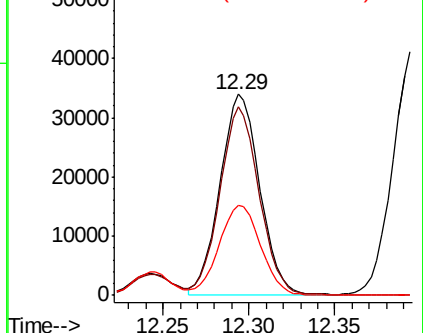
89 46.7 37.0 55.4



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: 47.169 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN060143.D

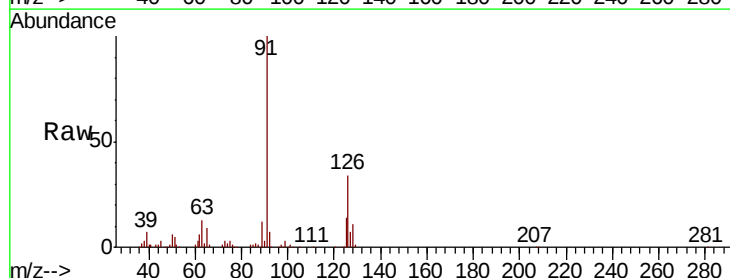
Acq: 19 Feb 2020 9:44

Tgt Ion: 91 Resp: 350604

Ion Ratio Lower Upper

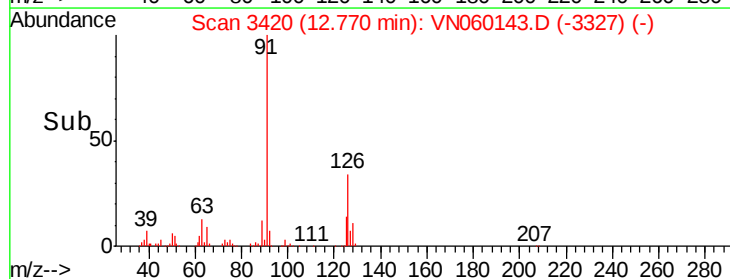
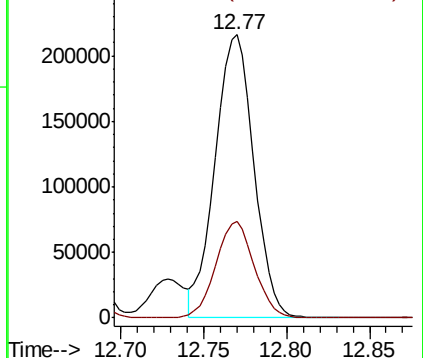
91 100

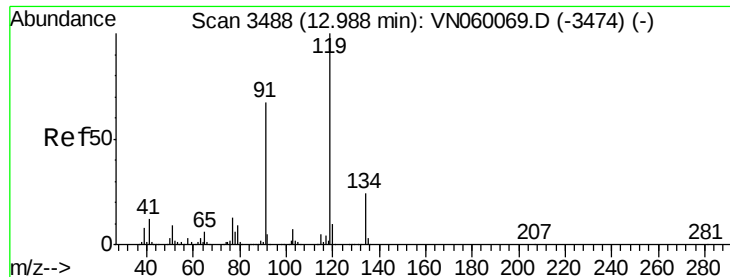
126 33.7 17.1 51.3



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

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

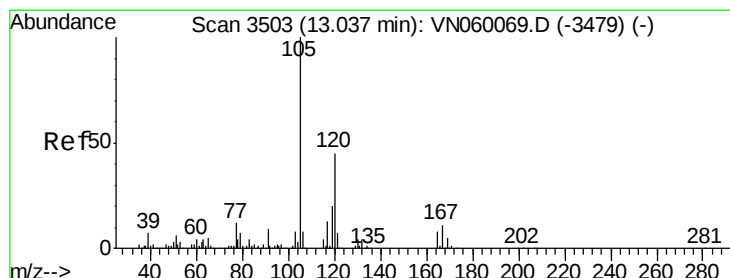
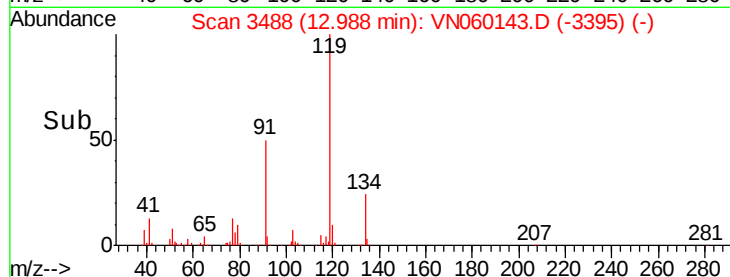
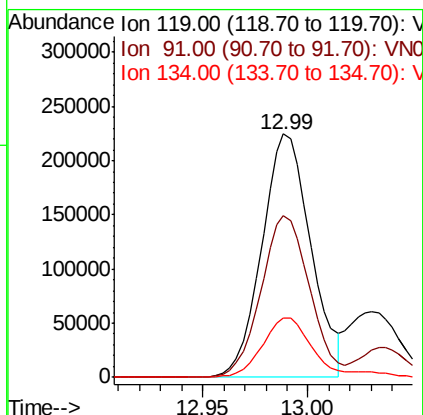
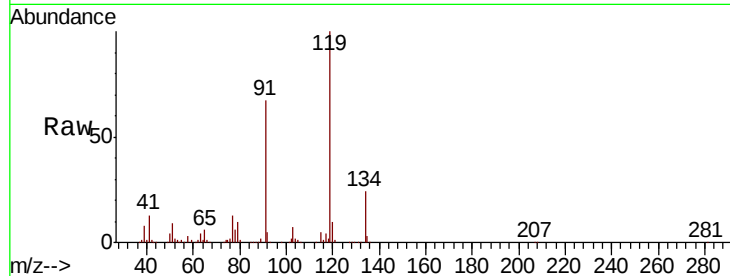




#83
tert-Butylbenzene
Concen: 45.636 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. 0.00 min
Lab File: VN060143.D
Acq: 19 Feb 2020 9:44

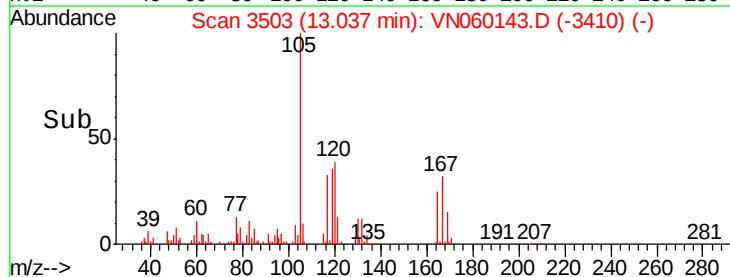
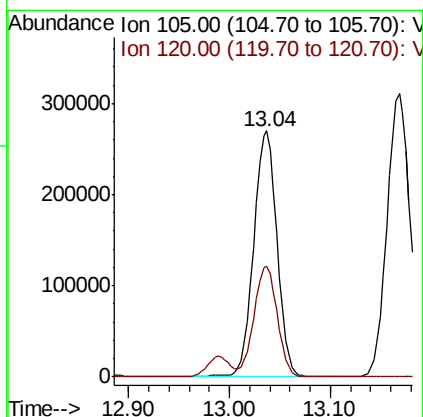
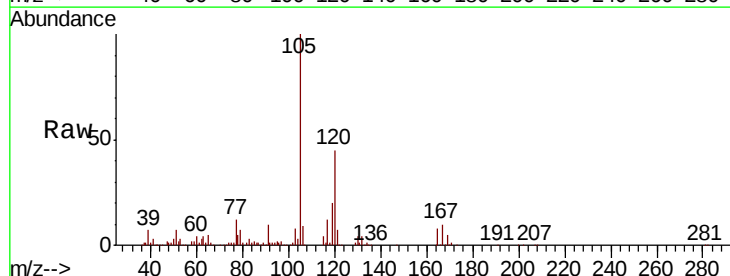
Instrument :
MSVOA_N
ClientSampleId :

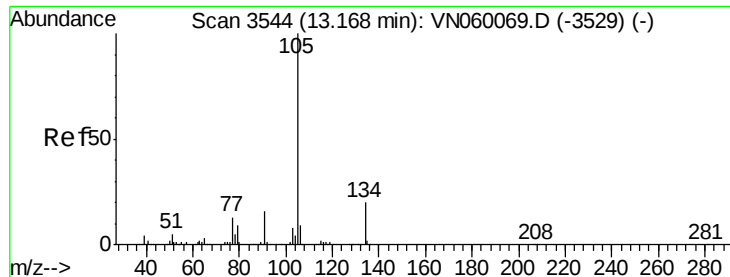
Tot Ion:119 Resp: 363133
Ion Ratio Lower Upper
119 100
91 65.9 32.7 98.1
134 24.3 12.9 38.7



#84
1,2,4-Trimethylbenzene
Concen: 48.268 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN060143.D
Acq: 19 Feb 2020 9:44

Tgt Ion:105 Resp: 428586
Ion Ratio Lower Upper
105 100
120 44.9 22.4 67.3





#85

sec-Butylbenzene

Concen: 47.358 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN060143.D

Acq: 19 Feb 2020 9:44

Instrument :

MSVOA_N

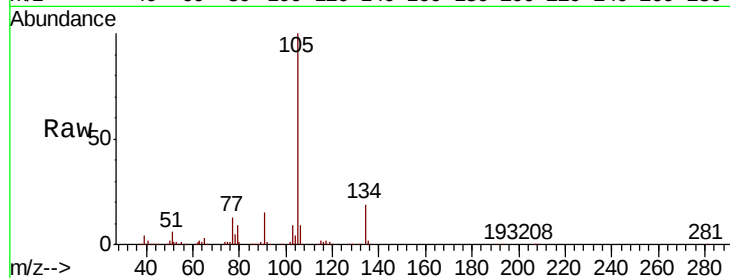
ClientSampleId :

Tot Ion:105 Resp: 499075

Ion Ratio Lower Upper

105 100

134 19.6 9.9 29.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

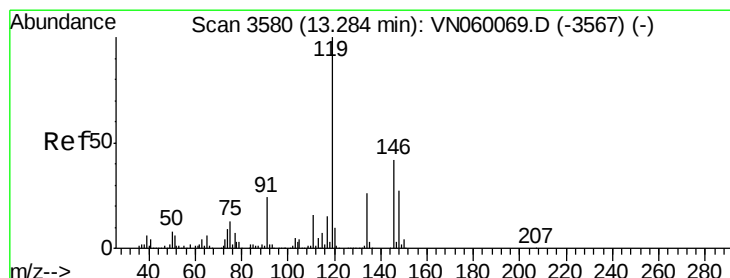
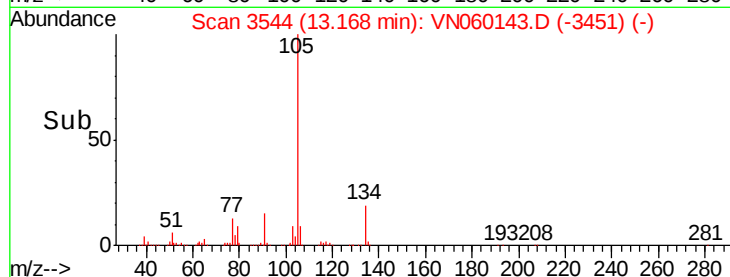
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 47.930 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN060143.D

Acq: 19 Feb 2020 9:44

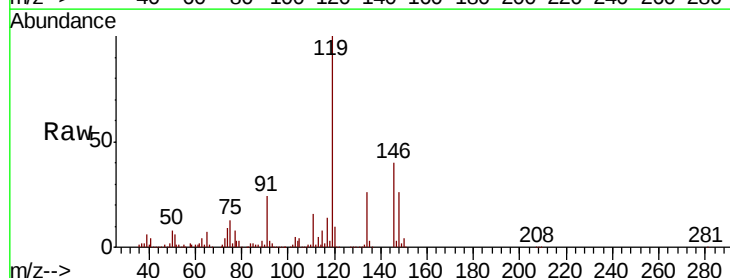
Tgt Ion:119 Resp: 457633

Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.8

91 24.0 11.9 35.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.28

400000

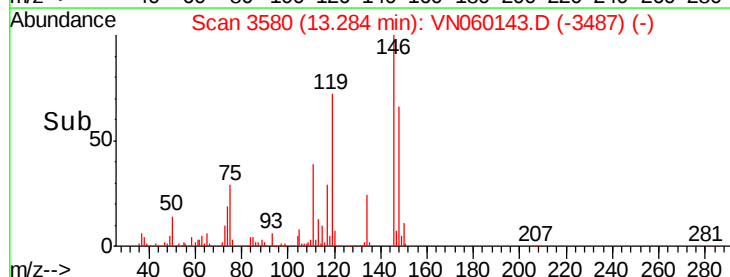
300000

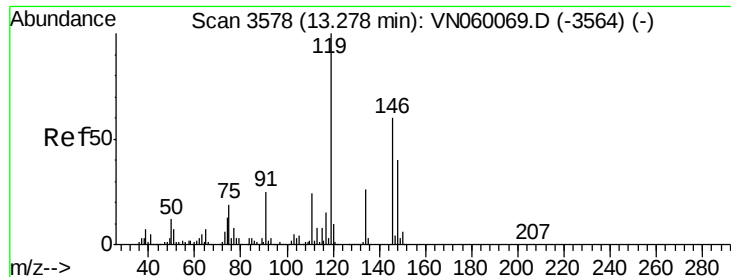
200000

100000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 47.380 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN060143.D

Acq: 19 Feb 2020 9:44

Instrument :

MSVOA_N

ClientSampled :

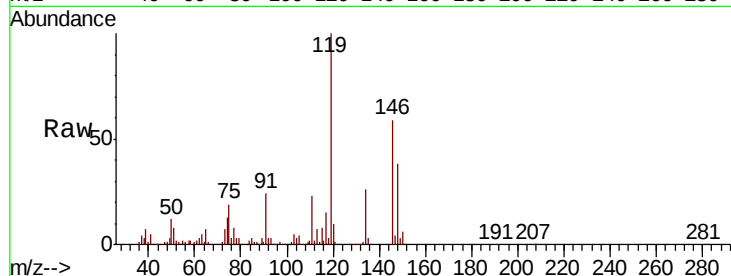
Tot Ion:146 Resp: 225174

Ion Ratio Lower Upper

146 100

111 39.2 19.8 59.3

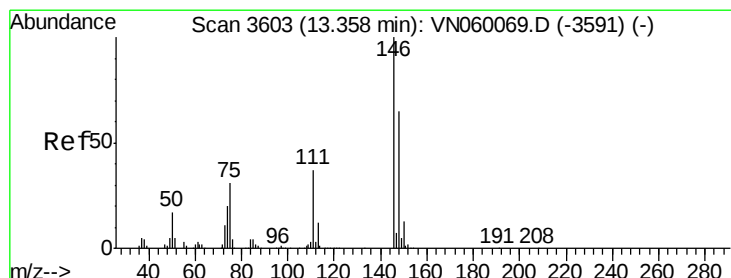
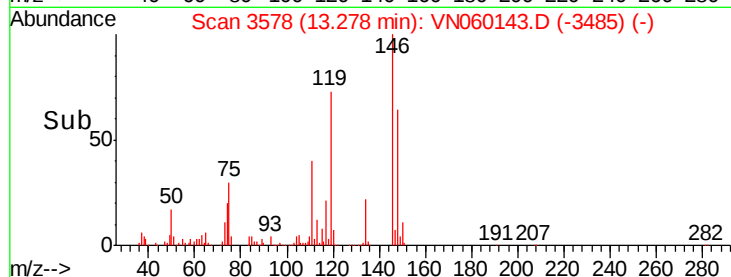
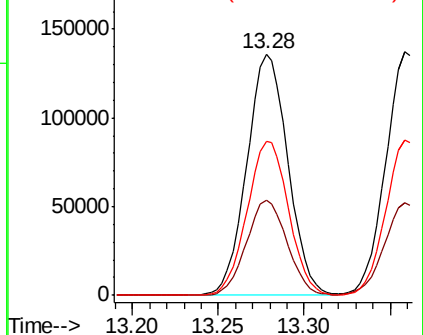
148 64.3 32.0 96.2



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: 47.719 ug/l

RT: 13.36 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN060143.D

Acq: 19 Feb 2020 9:44

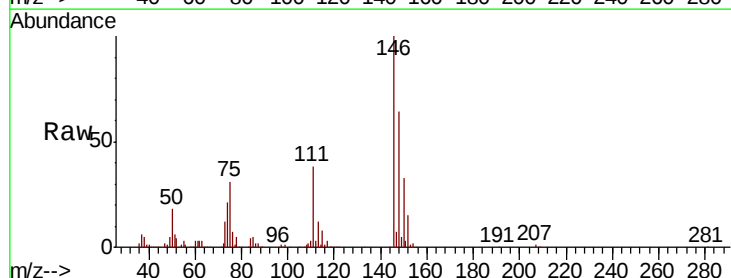
Tgt Ion:146 Resp: 226740

Ion Ratio Lower Upper

146 100

111 38.8 18.9 56.5

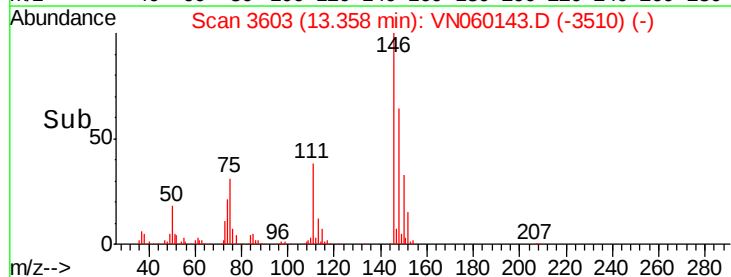
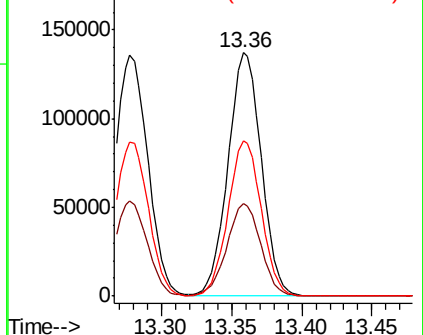
148 63.7 32.0 96.0

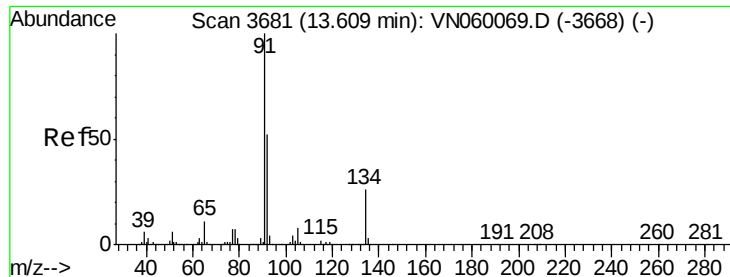


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 49.662 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN060143.D

Acq: 19 Feb 2020 9:44

Instrument :

MSVOA_N

ClientSampled :

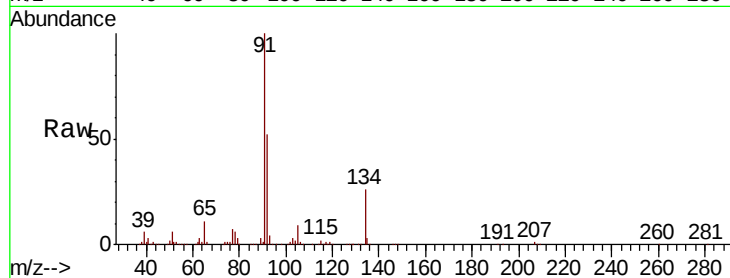
Tot Ion: 91 Resp: 417065

Ion Ratio Lower Upper

91 100

92 51.4 26.1 78.2

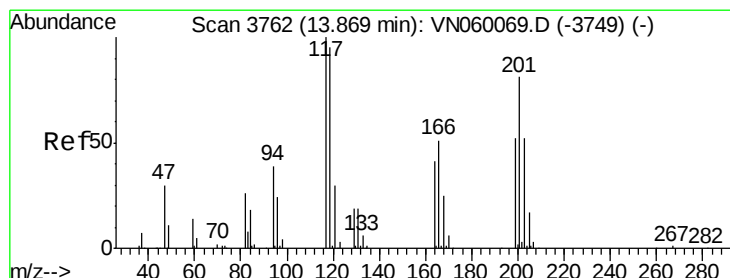
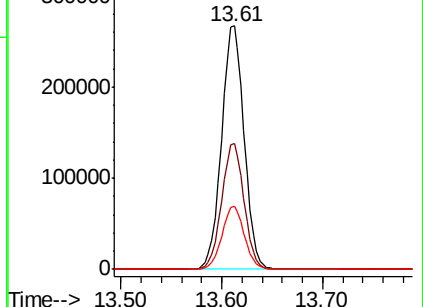
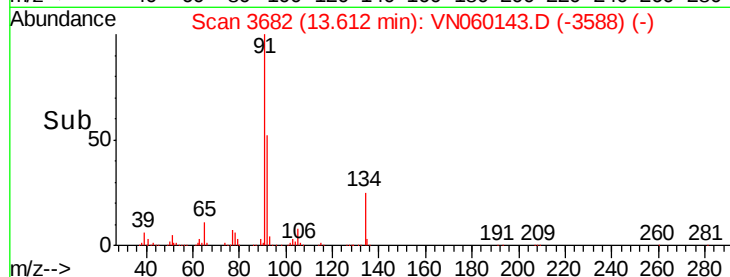
134 25.6 13.1 39.3



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) (-)



#90

Hexachloroethane

Concen: 46.726 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN060143.D

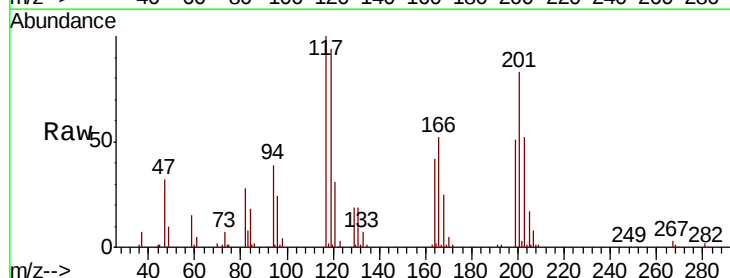
Acq: 19 Feb 2020 9:44

Tgt Ion: 117 Resp: 83347

Ion Ratio Lower Upper

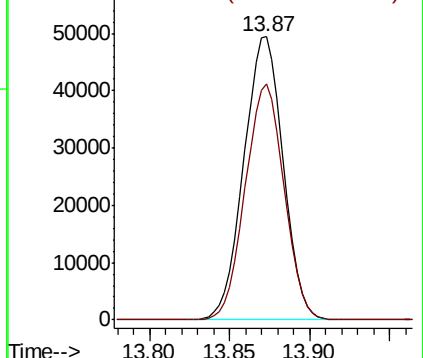
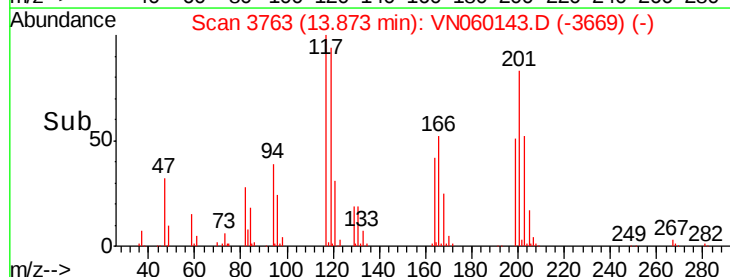
117 100

201 82.2 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) (-)





#91

1,2-Dichlorobenzene

Concen: 46.492 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN060143.D

Acq: 19 Feb 2020 9:44

Instrument :

MSVOA_N

ClientSampleId :

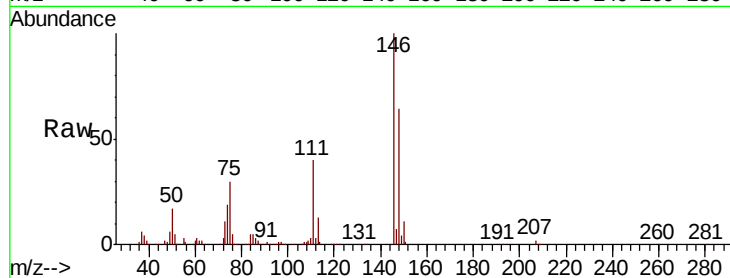
Tot Ion:146 Resp: 216234

Ion Ratio Lower Upper

146 100

111 40.5 20.1 60.2

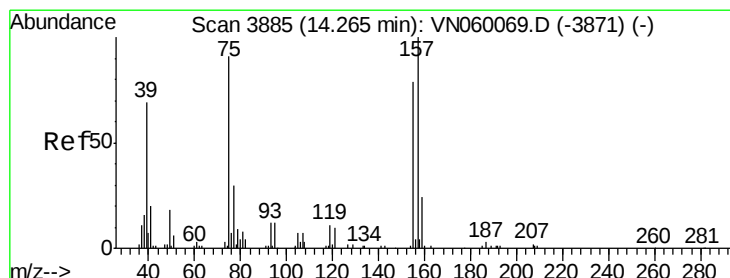
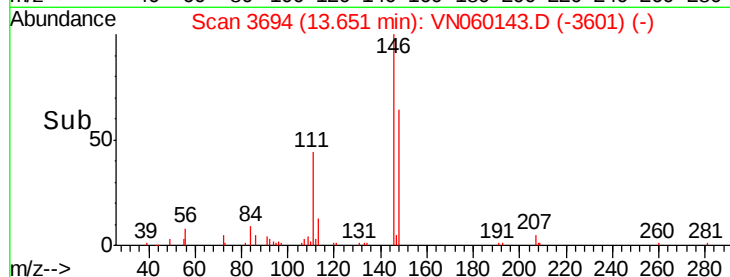
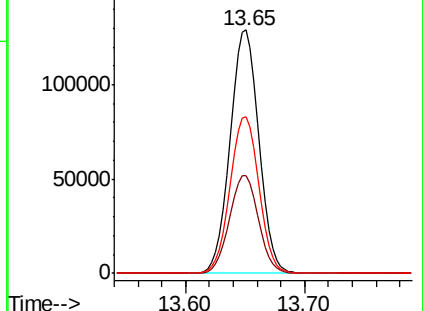
148 64.8 31.9 95.5



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: 46.635 ug/l

RT: 14.26 min Scan# 3885

Delta R.T. 0.00 min

Lab File: VN060143.D

Acq: 19 Feb 2020 9:44

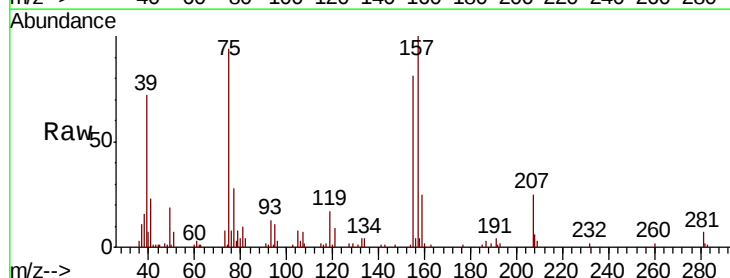
Tgt Ion: 75 Resp: 30912

Ion Ratio Lower Upper

75 100

155 83.0 43.0 129.0

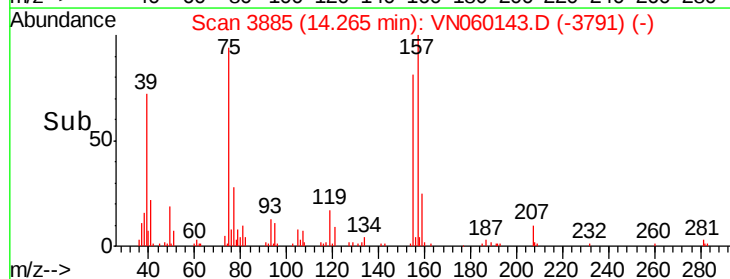
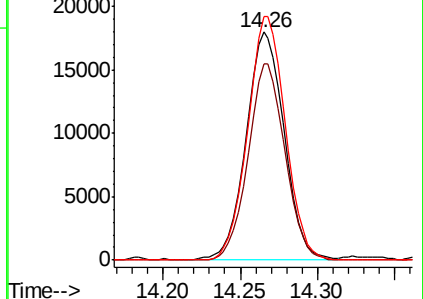
157 105.2 54.9 164.5

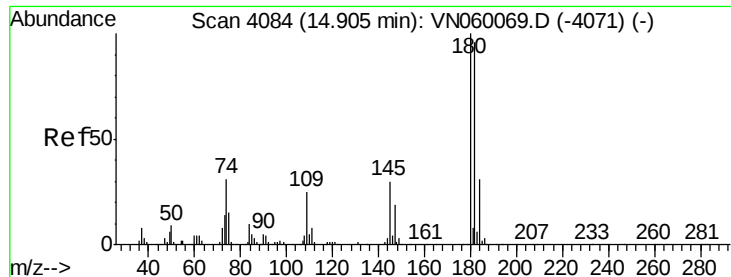


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

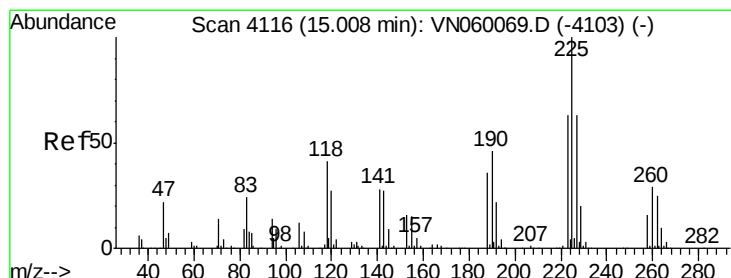
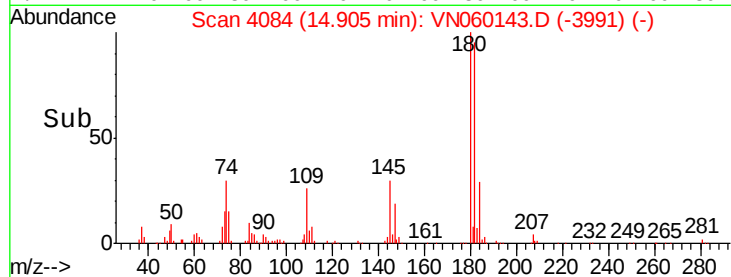
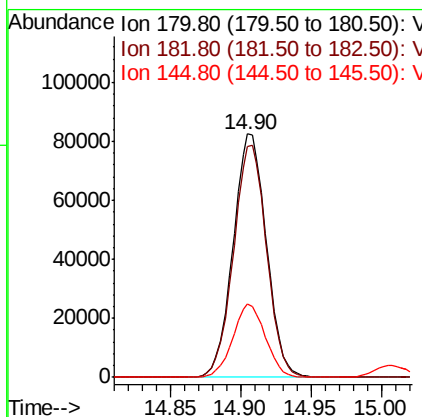
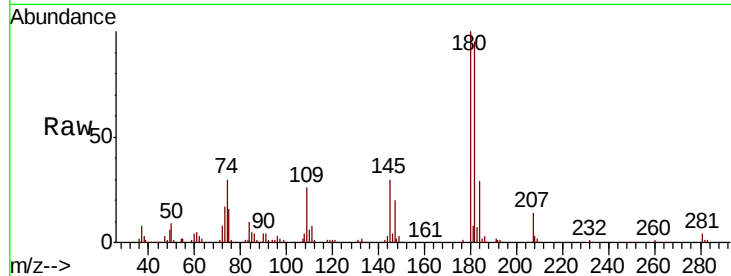




#93
 1,2,4-Trichlorobenzene
 Concen: 49.773 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN060143.D
 Acq: 19 Feb 2020 9:44

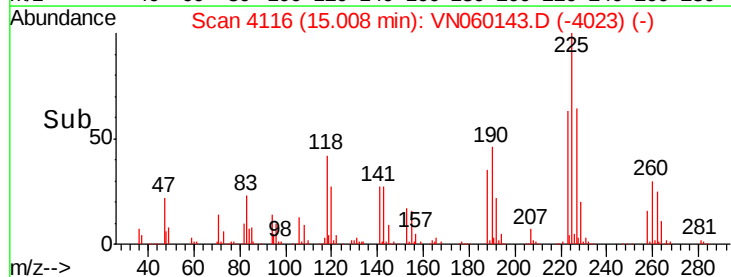
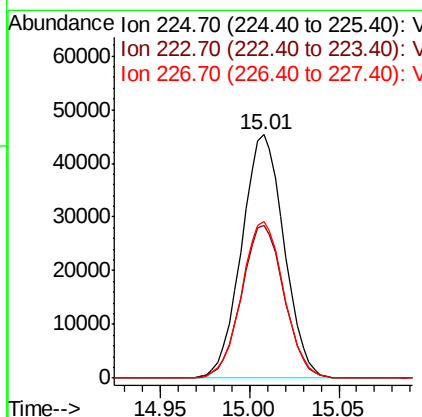
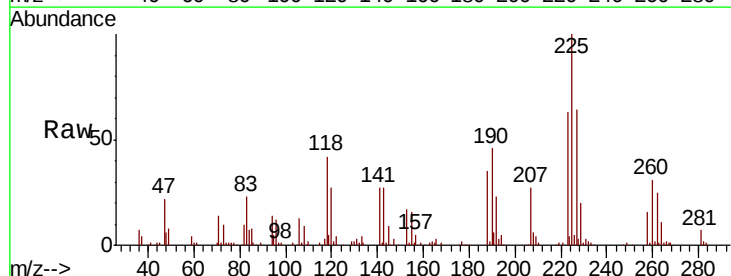
Instrument :
 MSVOA_N
 ClientSampled :

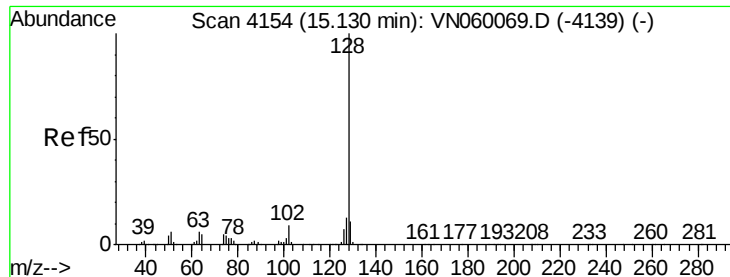
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.9	143.8
145	29.7	15.2	45.5



#94
 Hexachlorobutadiene
 Concen: 46.990 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060143.D
 Acq: 19 Feb 2020 9:44

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.5	94.5
227	64.0	31.8	95.4

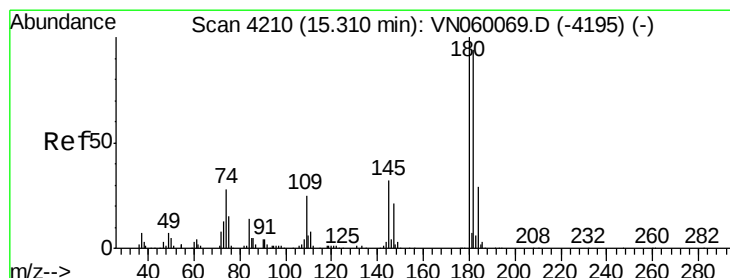
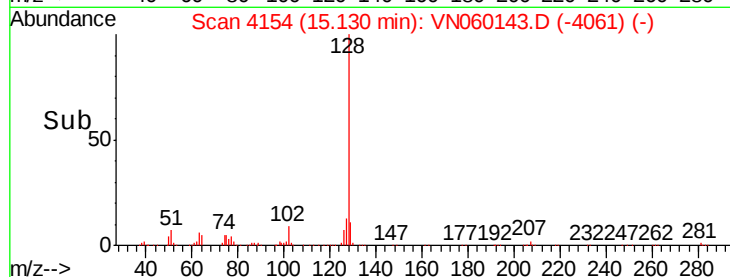
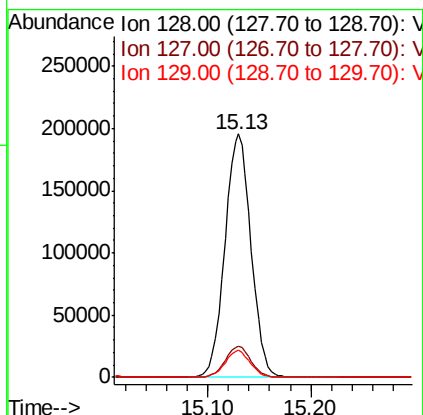
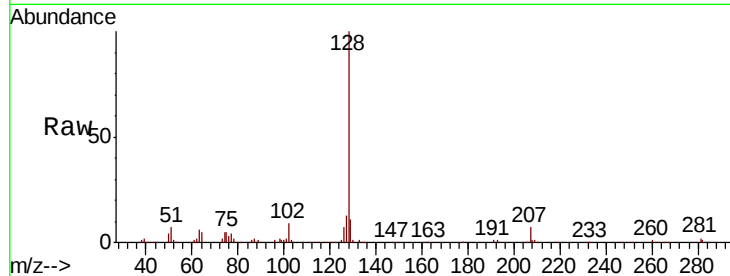




#95
Naphthalene
Concen: 46.533 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060143.D
Acq: 19 Feb 2020 9:44

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:128 Resp: 343510
Ion Ratio Lower Upper
128 100
127 12.7 10.3 15.5
129 10.8 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 47.036 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060143.D
Acq: 19 Feb 2020 9:44

Tgt Ion:180 Resp: 128005
Ion Ratio Lower Upper
180 100
182 94.6 47.5 142.5
145 32.1 16.1 48.3

