

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022620\
 Data File : VN060245.D
 Acq On : 26 Feb 2020 11:19
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 27 04:31:21 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	226918	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	355325	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	335358	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	170231	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	141765	51.34	ug/l	0.00
Spiked Amount			Recovery	=	102.68%	
35) Dibromofluoromethane	7.56	113	104775	47.97	ug/l	0.00
Spiked Amount			Recovery	=	95.94%	
50) Toluene-d8	10.08	98	428834	49.86	ug/l	0.00
Spiked Amount			Recovery	=	99.72%	
62) 4-Bromofluorobenzene	12.40	95	166329	52.63	ug/l	0.00
Spiked Amount			Recovery	=	105.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	99563	43.896	ug/l	100
3) Chloromethane	2.04	50	162744	60.293	ug/l	99
4) Vinyl Chloride	2.16	62	137258	44.613	ug/l	97
5) Bromomethane	2.54	94	54405	28.839	ug/l	100
6) Chloroethane	2.68	64	74242	47.709	ug/l	96
7) Trichlorofluoromethane	3.00	101	176473	44.488	ug/l	97
8) Diethyl Ether	3.38	74	66218	50.149	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.73	101	101111	45.911	ug/l	97
10) Methyl Iodide	3.93	142	95602	33.182	ug/l	100
11) Tert butyl alcohol	4.73	59	91929	222.480	ug/l	99
12) 1,1-Dichloroethene	3.71	96	98286	45.812	ug/l	95
13) Acrolein	3.57	56	101188	247.753	ug/l	98
14) Allyl chloride	4.29	41	166963	52.874	ug/l	92
15) Acrylonitrile	4.94	53	260513	258.166	ug/l	99
16) Acetone	3.78	43	183371	152.248	ug/l	99
17) Carbon Disulfide	4.03	76	271941	42.053	ug/l	99
18) Methyl Acetate	4.29	43	135254	59.780	ug/l	97
19) Methyl tert-butyl Ether	5.00	73	347864	48.215	ug/l	99
20) Methylene Chloride	4.52	84	111593	46.441	ug/l	94
21) trans-1,2-Dichloroethene	5.01	96	106261	45.436	ug/l	96
22) Diisopropyl ether	5.91	45	361169	52.188	ug/l	92
23) Vinyl Acetate	5.86	43	1486766	255.827	ug/l	97
24) 1,1-Dichloroethane	5.82	63	202563	48.317	ug/l	98
25) 2-Butanone	6.80	43	324612	214.297	ug/l	94
26) 2,2-Dichloropropane	6.79	77	186828	46.919	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	125475	45.844	ug/l	97
28) Bromochloromethane	7.17	49	89174	54.105	ug/l	92
29) Tetrahydrofuran	7.18	42	228578	245.972	ug/l	94
30) Chloroform	7.35	83	204422	46.549	ug/l	99
31) Cyclohexane	7.63	56	182473	46.725	ug/l	92
32) 1,1,1-Trichloroethane	7.54	97	181733	45.284	ug/l	99
36) 1,1-Dichloropropene	7.77	75	152009	46.187	ug/l	98
37) Ethyl Acetate	6.89	43	146716	49.325	ug/l	99
38) Carbon Tetrachloride	7.75	117	152998	42.804	ug/l	97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	185690	45.452	ug/l	94
40) Benzene	8.02	78	448456	45.935	ug/l	100
41) Methacrylonitrile	7.18	41	213900	171.476	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	162999	47.636	ug/l	98
43) Isopropyl Acetate	8.14	43	259345	51.006	ug/l	98
44) Trichloroethene	8.81	130	125360	46.373	ug/l	94
45) 1,2-Dichloropropane	9.10	63	119531	49.454	ug/l	100
46) Dibromomethane	9.19	93	77445	45.341	ug/l	97
47) Bromodichloromethane	9.39	83	158639	45.683	ug/l	99
48) Methyl methacrylate	9.18	41	117448	51.483	ug/l	94
49) 1,4-Dioxane	9.18	88	34113	875.187	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	739980	251.433	ug/l	98
52) Toluene	10.14	92	284356	45.420	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	189786	48.418	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	199999	48.455	ug/l	97
55) 1,1,2-Trichloroethane	10.55	97	111987	45.851	ug/l	99
56) Ethyl methacrylate	10.42	69	172564	49.945	ug/l	96
57) 1,3-Dichloropropane	10.70	76	186909	46.378	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	526527	327.112	ug/l	96
59) 2-Hexanone	10.74	43	535660	235.618	ug/l	98
60) Dibromochloromethane	10.89	129	120552	43.012	ug/l	100
61) 1,2-Dibromoethane	10.99	107	114612	44.764	ug/l	99
64) Tetrachloroethene	10.62	164	131648	51.640	ug/l	98
65) Chlorobenzene	11.43	112	304746	44.603	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	113744	44.007	ug/l	99
67) Ethyl Benzene	11.51	91	561213	45.543	ug/l	100
68) m/p-Xylenes	11.62	106	423629	91.597	ug/l	99
69) o-Xylene	11.94	106	204364	45.893	ug/l	99
70) Styrene	11.96	104	342972	47.762	ug/l	99
71) Bromoform	12.12	173	84014	40.413	ug/l #	98
73) Isopropylbenzene	12.25	105	554135	43.592	ug/l	100
74) N-amyl acetate	12.06	43	238195	51.964	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	148095	40.475	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	221677	68.064	ug/l #	100
77) Bromobenzene	12.52	156	135660	43.002	ug/l	94
78) n-propylbenzene	12.59	91	655840	45.283	ug/l	99
79) 2-Chlorotoluene	12.67	91	378404	44.451	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	473147	44.766	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	62119	46.701	ug/l #	75
82) 4-Chlorotoluene	12.77	91	398317	45.607	ug/l	98
83) tert-Butylbenzene	12.99	119	409498	43.797	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	478993	45.910	ug/l	100
85) sec-Butylbenzene	13.17	105	551027	44.500	ug/l	99
86) p-Isopropyltoluene	13.28	119	509167	45.384	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	247766	44.369	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	248695	44.544	ug/l	98
89) n-Butylbenzene	13.61	91	473395	47.974	ug/l	99
90) Hexachloroethane	13.87	117	74171	35.388	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	236354	43.249	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	32971	42.260	ug/l	96

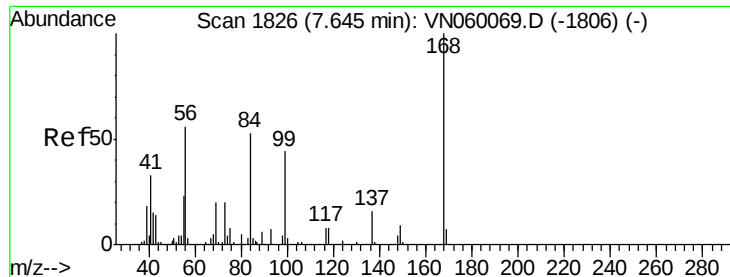
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	160716	50.051	ug/l	99
94) Hexachlorobutadiene	15.01	225	76247	40.560	ug/l	99
95) Naphthalene	15.13	128	466859	53.823	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	152531	47.700	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: VN060245.D

Acq: 26 Feb 2020 11:19

Instrument :

MSVOA_N

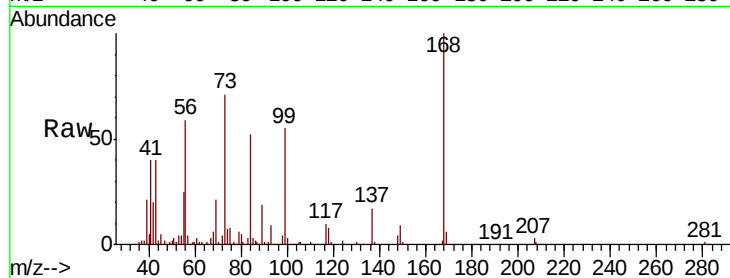
ClientSampled :

Tot Ion:168 Resp: 226918

Ion Ratio Lower Upper

168 100

99 55.3 42.7 64.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

100000

80000

60000

40000

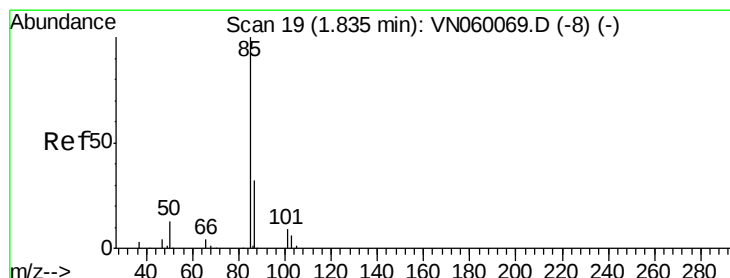
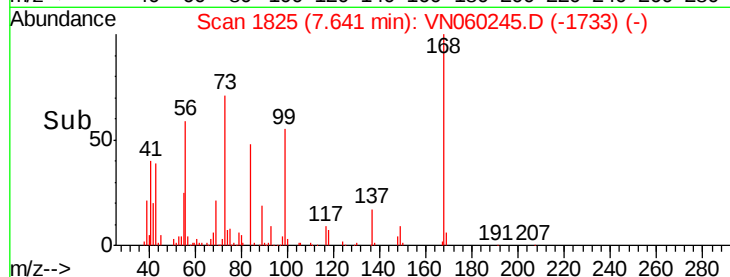
20000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 43.896 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060245.D

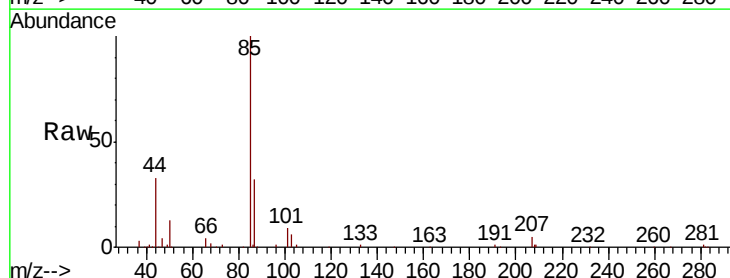
Acq: 26 Feb 2020 11:19

Tgt Ion: 85 Resp: 99563

Ion Ratio Lower Upper

85 100

87 32.2 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

80000

60000

40000

20000

0

1.75

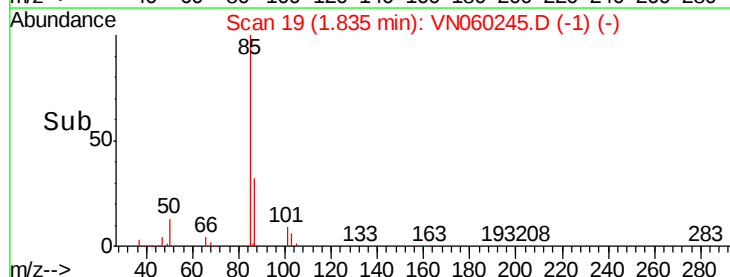
1.80

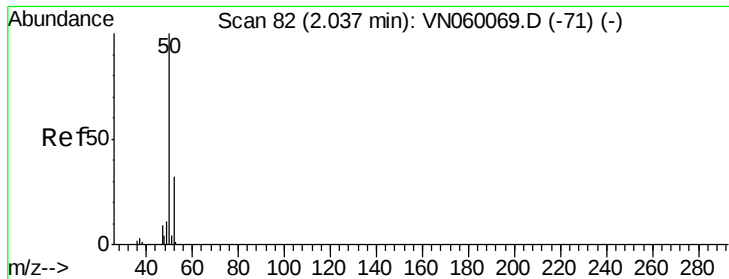
1.85

1.90

1.95

Time-->





#3

Chloromethane

Concen: 60.293 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN060245.D

Acq: 26 Feb 2020 11:19

Instrument :

MSVOA_N

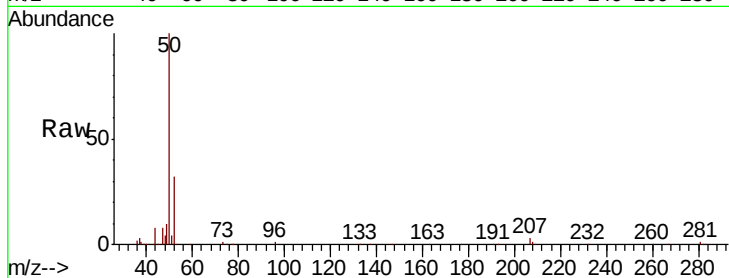
ClientSampled :

Tot Ion: 50 Resp: 162744

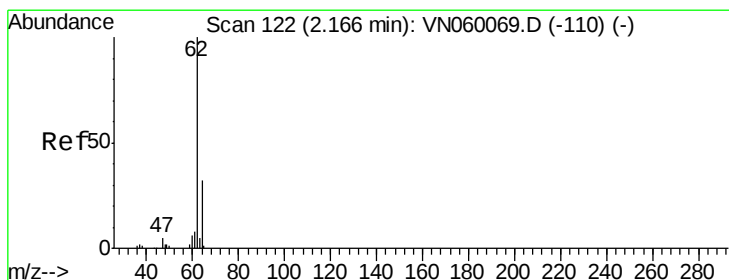
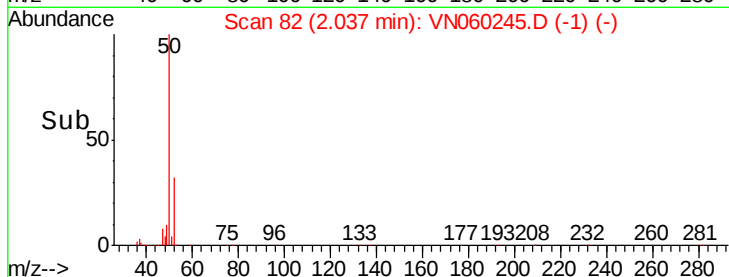
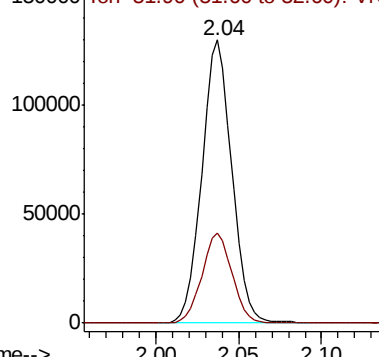
Ion Ratio Lower Upper

50 100

52 31.7 25.6 38.4



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



#4

Vinyl Chloride

Concen: 44.613 ug/l

RT: 2.16 min Scan# 121

Delta R.T. -0.00 min

Lab File: VN060245.D

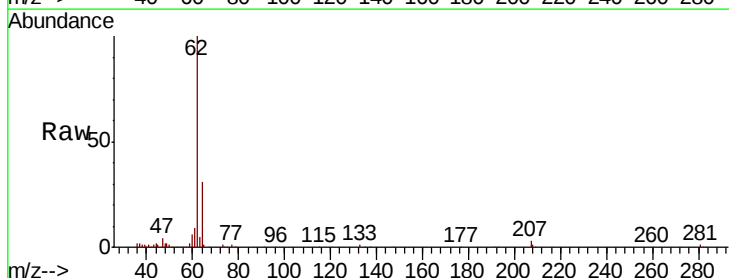
Acq: 26 Feb 2020 11:19

Tgt Ion: 62 Resp: 137258

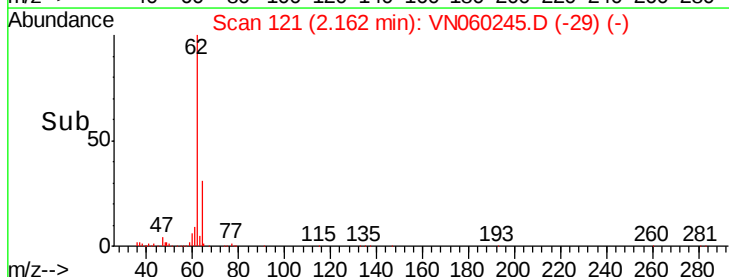
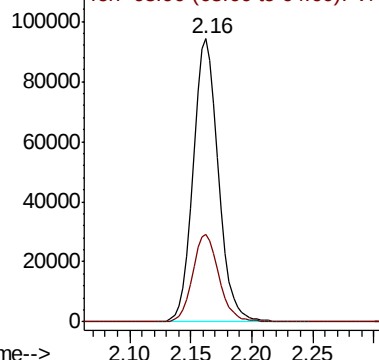
Ion Ratio Lower Upper

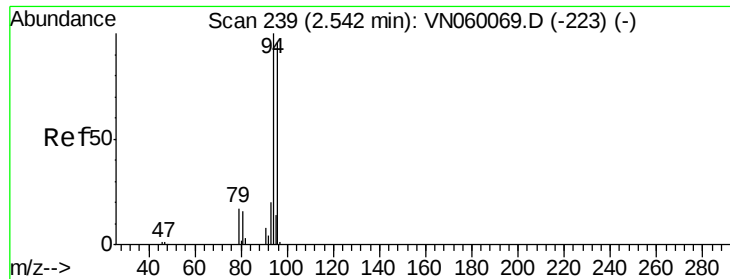
62 100

64 30.9 25.9 38.9



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





#5

Bromomethane

Concen: 28.839 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.01 min

Lab File: VN060245.D

Acq: 26 Feb 2020 11:19

Instrument :

MSVOA_N

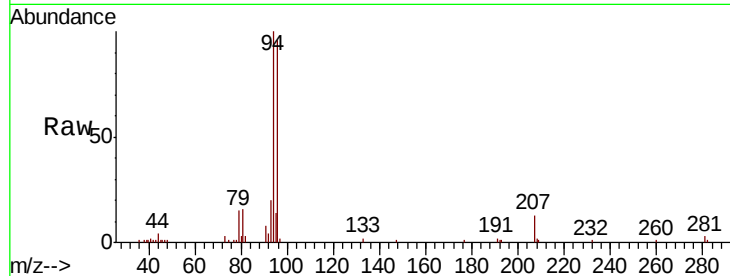
ClientSampleId :

Tot Ion: 94 Resp: 54405

Ion Ratio Lower Upper

94 100

96 95.5 76.7 115.1



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.54

25000

20000

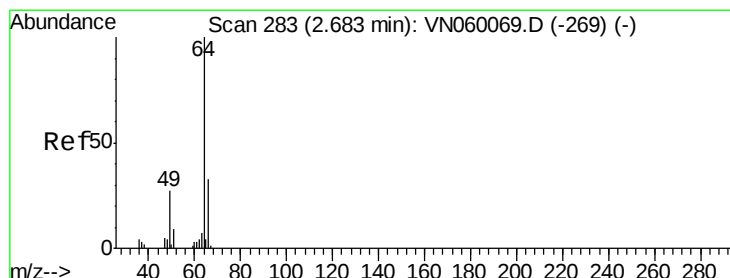
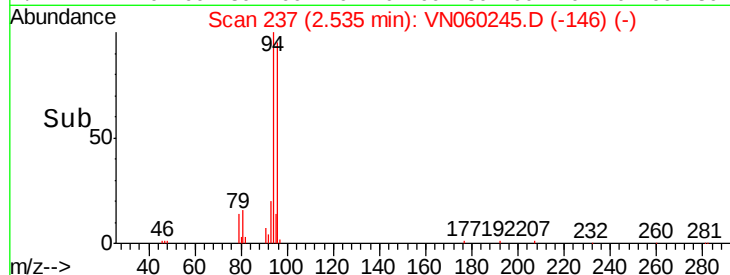
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 47.709 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN060245.D

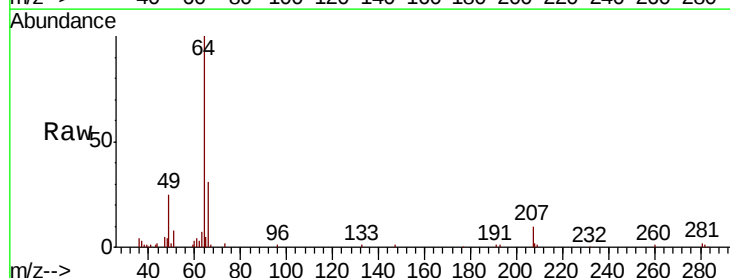
Acq: 26 Feb 2020 11:19

Tgt Ion: 64 Resp: 74242

Ion Ratio Lower Upper

64 100

66 30.9 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.68

40000

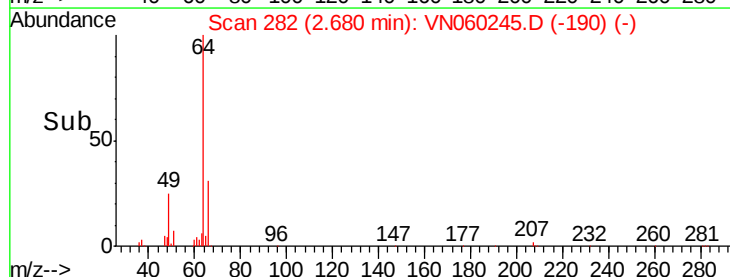
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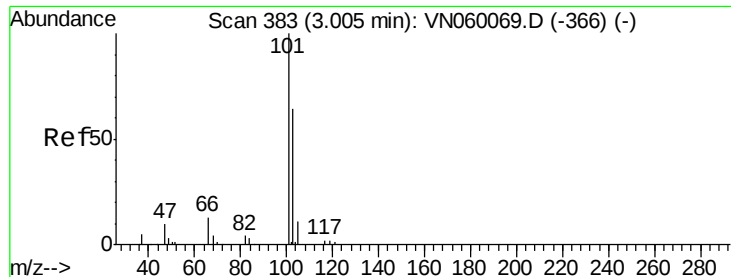
20000

10000

0

Time-->



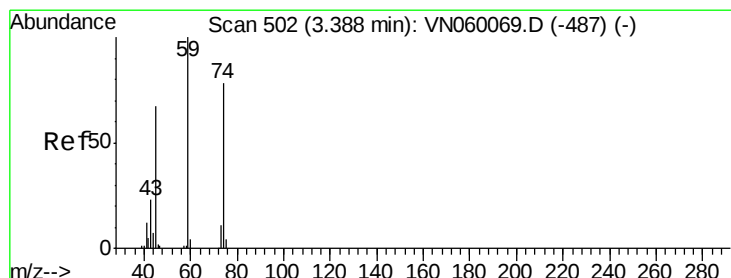
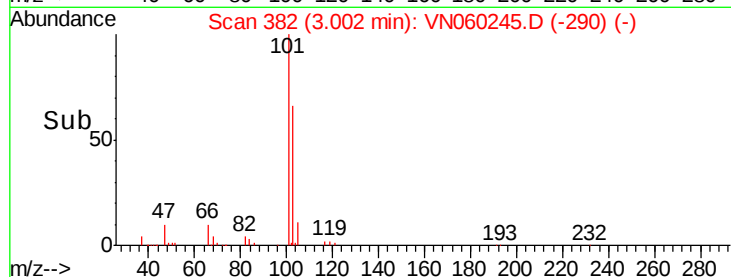
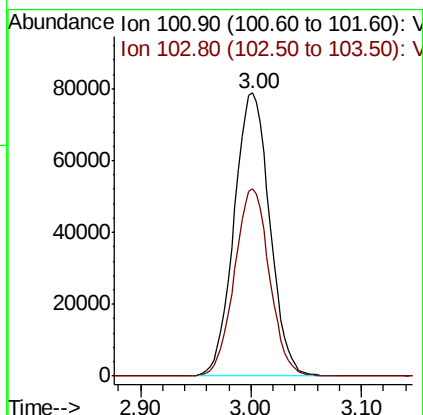
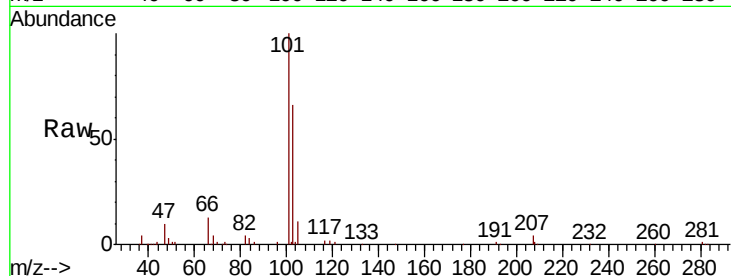


#7

Trichlorofluoromethane
 Concen: 44.488 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. -0.00 min
 Lab File: VN060245.D
 Acq: 26 Feb 2020 11:19

Instrument :
 MSVOA_N
 ClientSampled :

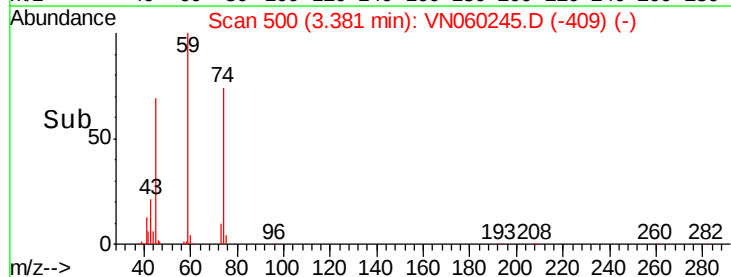
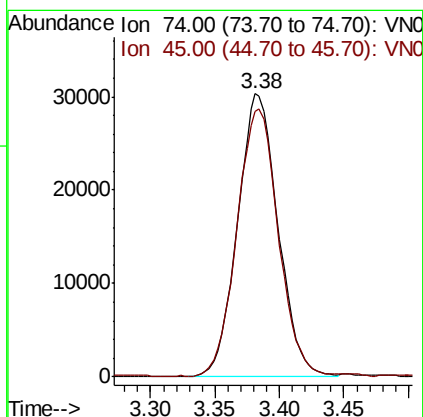
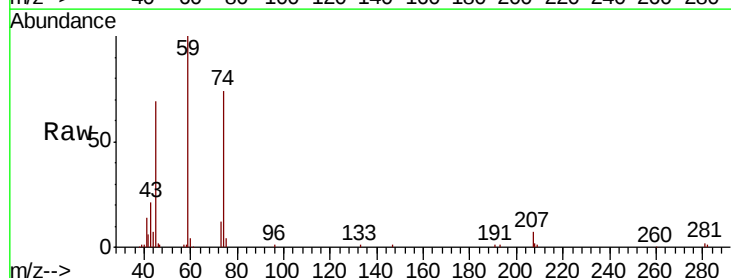
Tot Ion:101 Resp: 176473
 Ion Ratio Lower Upper
 101 100
 103 66.3 51.0 76.6

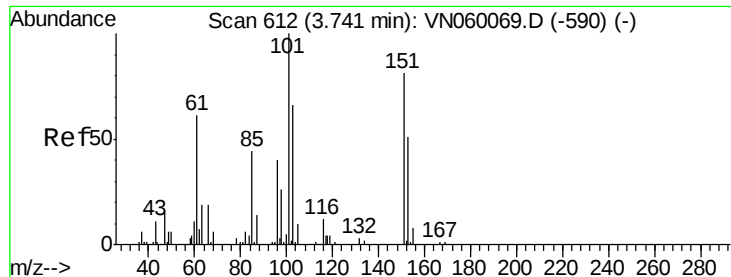


#8

Diethyl Ether
 Concen: 50.149 ug/l
 RT: 3.38 min Scan# 500
 Delta R.T. -0.01 min
 Lab File: VN060245.D
 Acq: 26 Feb 2020 11:19

Tgt Ion: 74 Resp: 66218
 Ion Ratio Lower Upper
 74 100
 45 97.3 44.7 134.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.911 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.01 min

Lab File: VN060245.D

Acq: 26 Feb 2020 11:19

Instrument :

MSVOA_N

ClientSampleId :

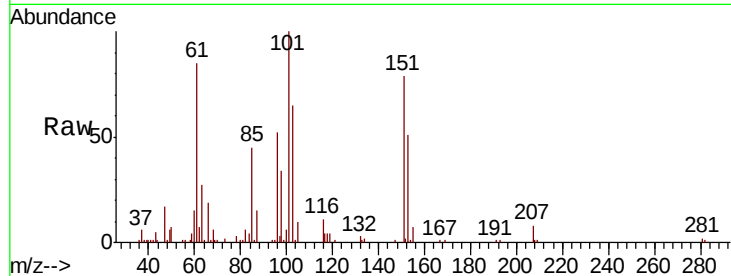
Tot Ion:101 Resp: 101111

Ion Ratio Lower Upper

101 100

85 44.9 35.1 52.7

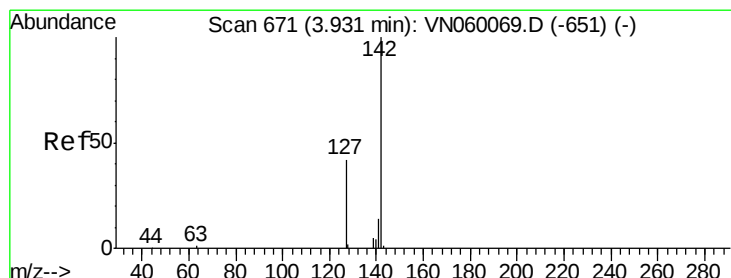
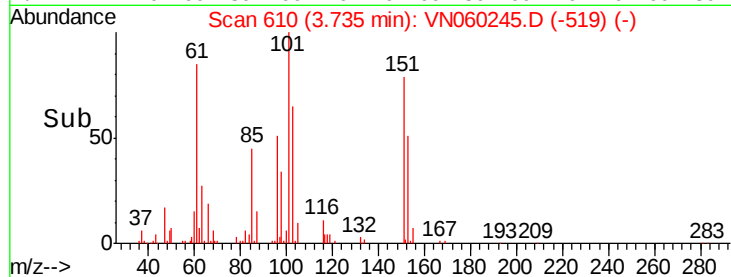
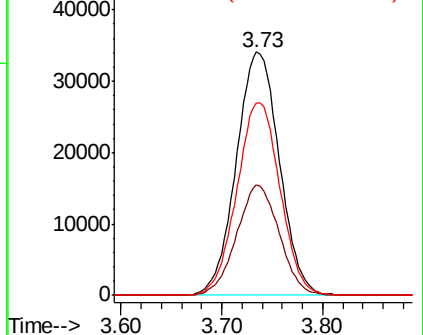
151 79.3 65.8 98.6



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: 33.182 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN060245.D

Acq: 26 Feb 2020 11:19

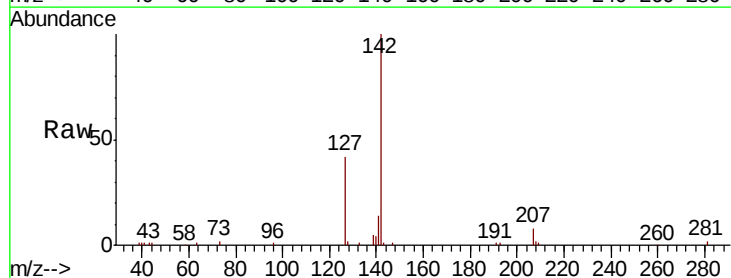
Tgt Ion:142 Resp: 95602

Ion Ratio Lower Upper

142 100

127 41.9 33.6 50.4

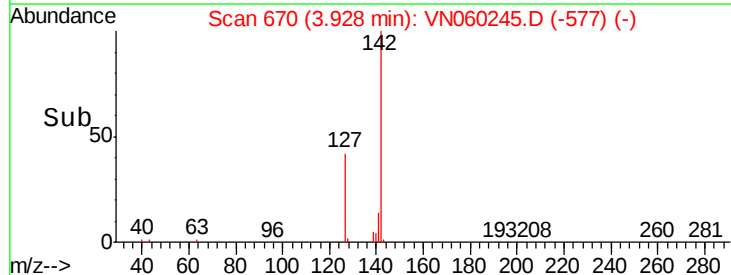
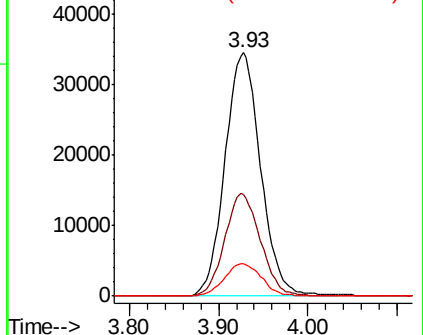
141 13.8 11.4 17.2

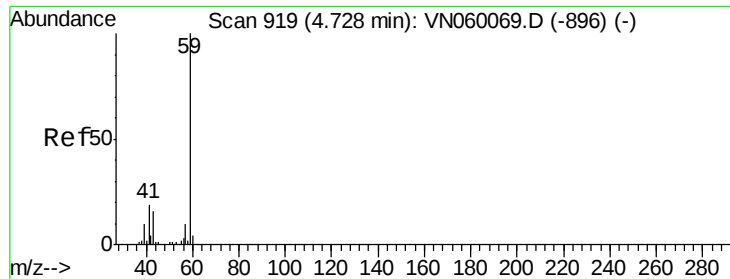


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



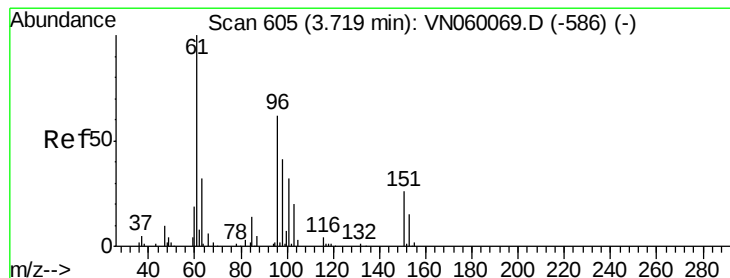
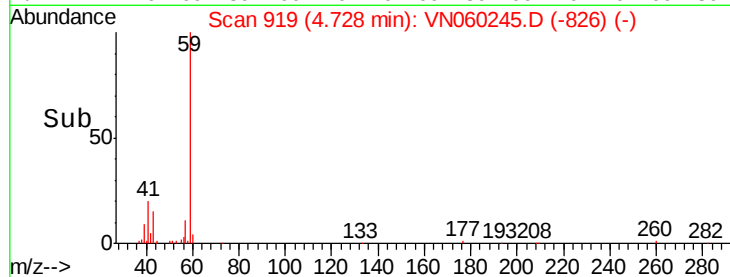
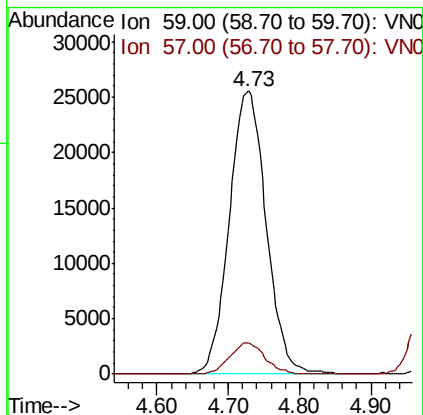
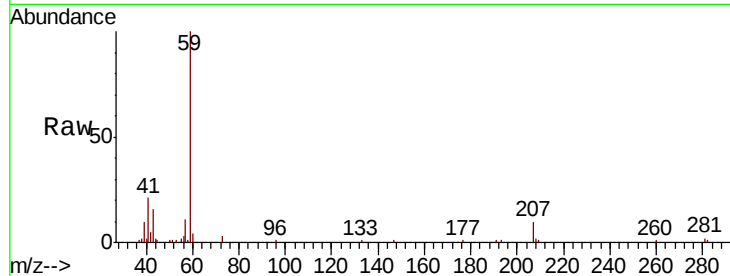


#11

Tert butyl alcohol
 Concen: 222.480 ug/l
 RT: 4.73 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VN060245.D
 Acq: 26 Feb 2020 11:19

Instrument :
 MSVOA_N
 ClientSampled :

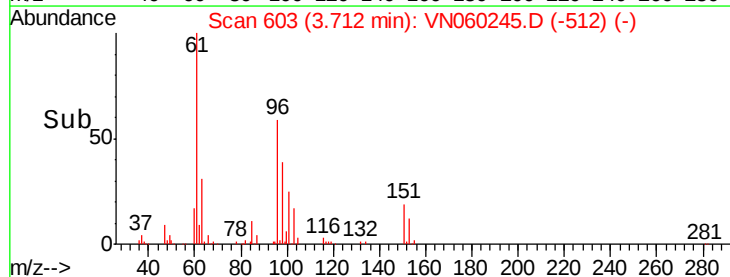
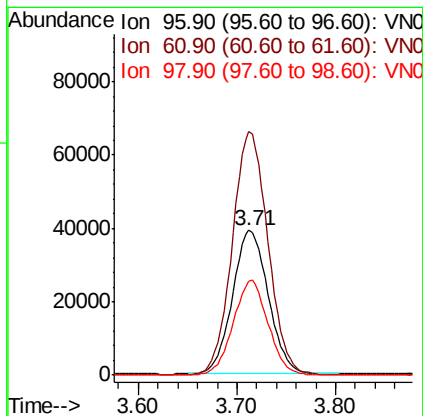
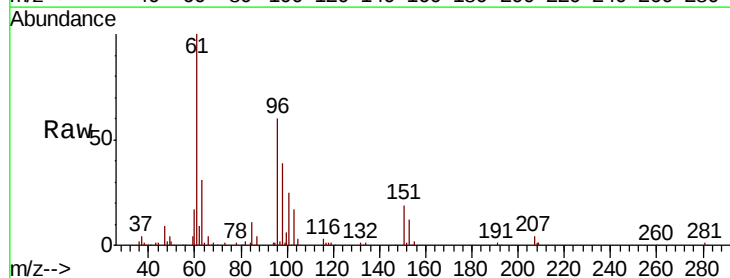
Tot Ion: 59 Resp: 91929
 Ion Ratio Lower Upper
 59 100
 57 10.6 8.2 12.4

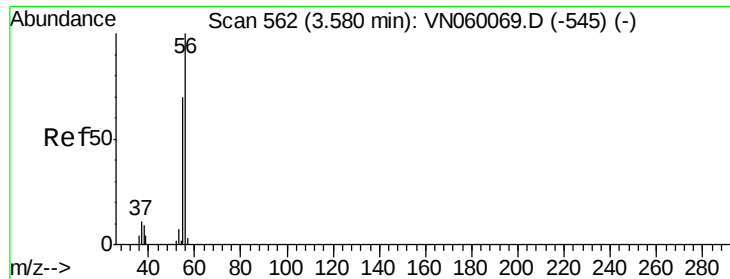


#12

1,1-Dichloroethene
 Concen: 45.812 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.01 min
 Lab File: VN060245.D
 Acq: 26 Feb 2020 11:19

Tgt Ion: 96 Resp: 98286
 Ion Ratio Lower Upper
 96 100
 61 169.6 128.3 192.5
 98 65.8 52.2 78.4





#13

Acrolein

Concen: 247.753 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.01 min

Lab File: VN060245.D

Acq: 26 Feb 2020 11:19

Instrument :

MSVOA_N

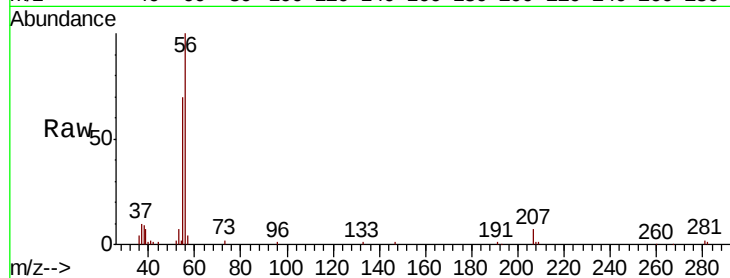
ClientSampled :

Tot Ion: 56 Resp: 101188

Ion Ratio Lower Upper

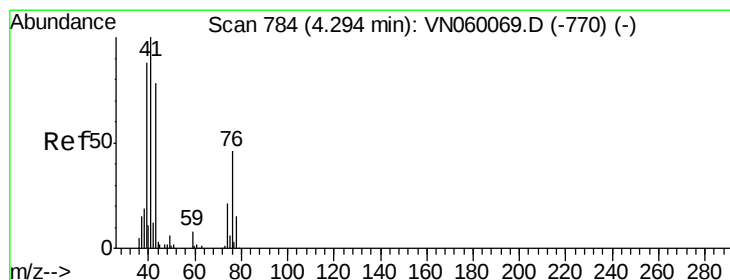
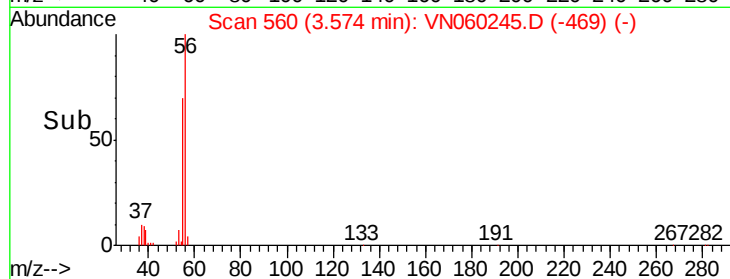
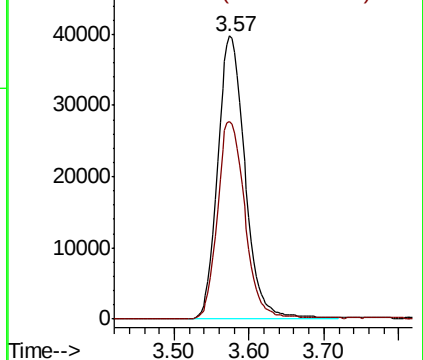
56 100

55 70.2 54.8 82.2



Abundance Ion 56.00 (55.70 to 56.70): VN060245.D (-545) (-)

Ion 55.00 (54.70 to 55.70): VN060245.D (-545) (-)



#14

Allyl chloride

Concen: 52.874 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN060245.D

Acq: 26 Feb 2020 11:19

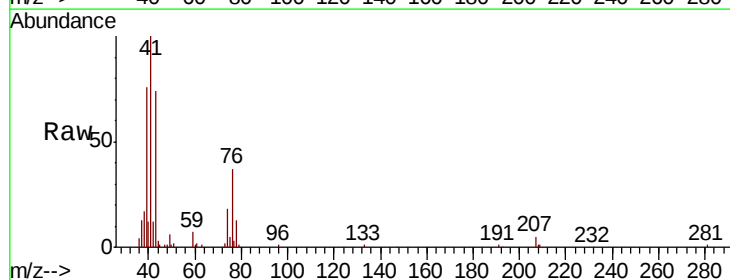
Tgt Ion: 41 Resp: 166963

Ion Ratio Lower Upper

41 100

39 77.4 67.8 101.8

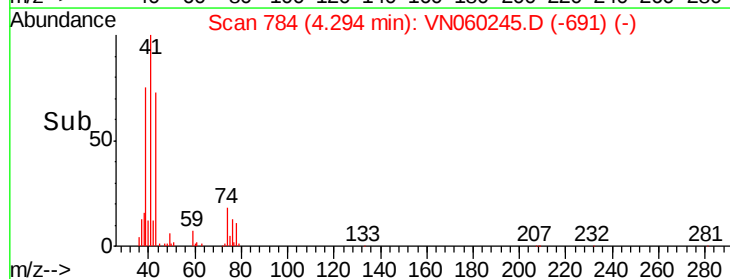
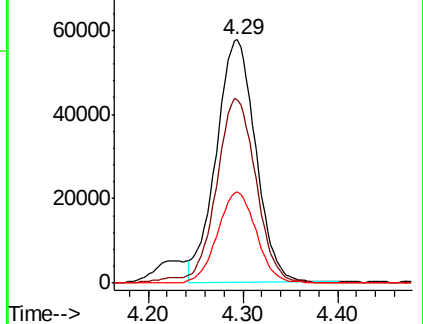
76 36.9 33.9 50.9

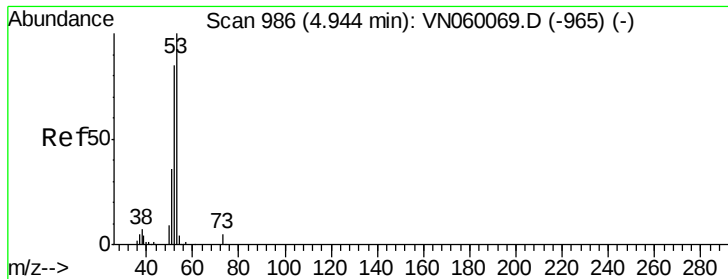


Abundance Ion 41.00 (40.70 to 41.70): VN060245.D (-691) (-)

Ion 39.00 (38.70 to 39.70): VN060245.D (-691) (-)

Ion 75.90 (75.60 to 76.60): VN060245.D (-691) (-)





#15

Acrylonitrile

Concen: 258.166 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060245.D

Acq: 26 Feb 2020 11:19

Instrument :

MSVOA_N

ClientSampleId :

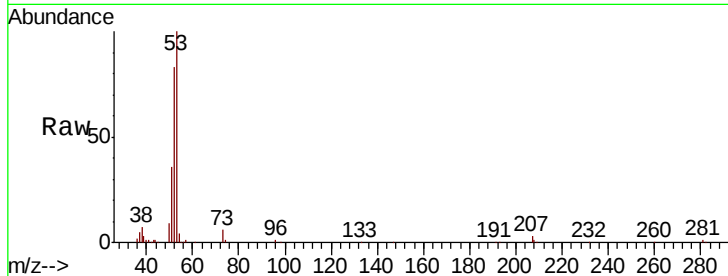
Tot Ion: 53 Resp: 260513

Ion Ratio Lower Upper

53 100

52 82.8 66.8 100.2

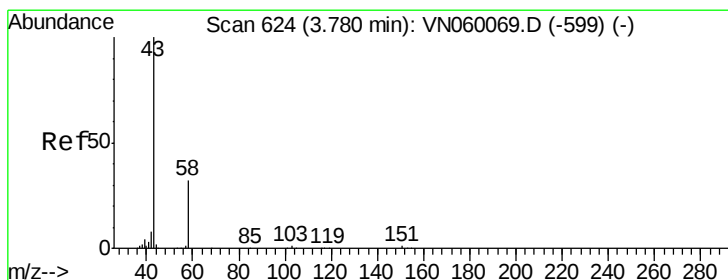
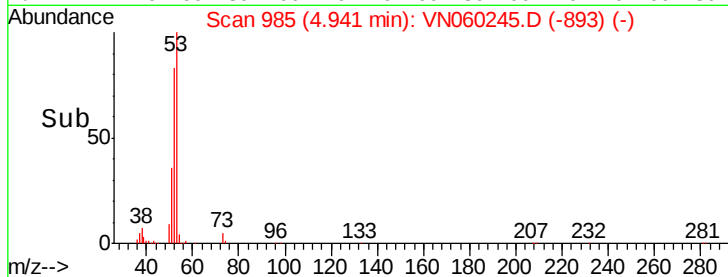
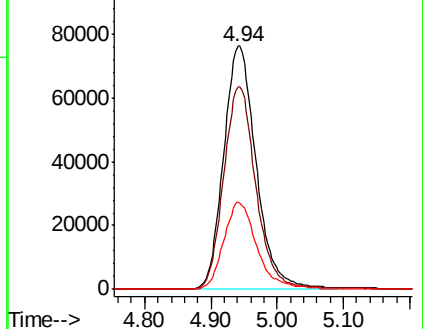
51 36.4 29.4 44.0



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

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

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



#16

Acetone

Concen: 152.248 ug/l

RT: 3.78 min Scan# 623

Delta R.T. -0.00 min

Lab File: VN060245.D

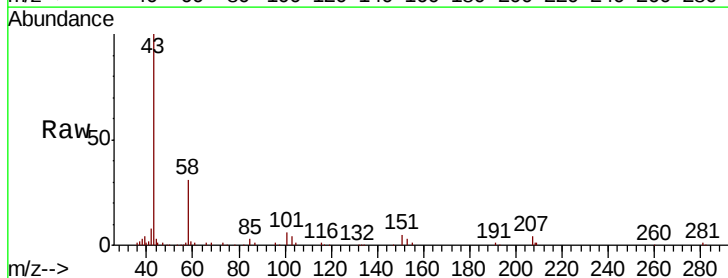
Acq: 26 Feb 2020 11:19

Tgt Ion: 43 Resp: 183371

Ion Ratio Lower Upper

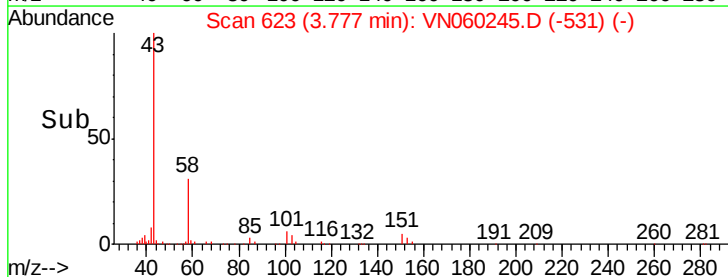
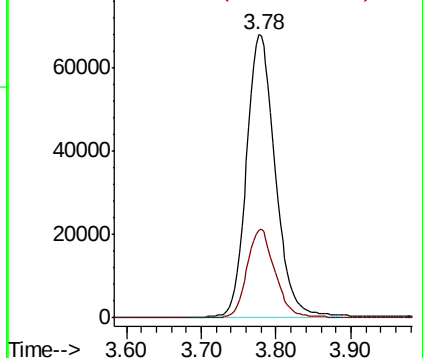
43 100

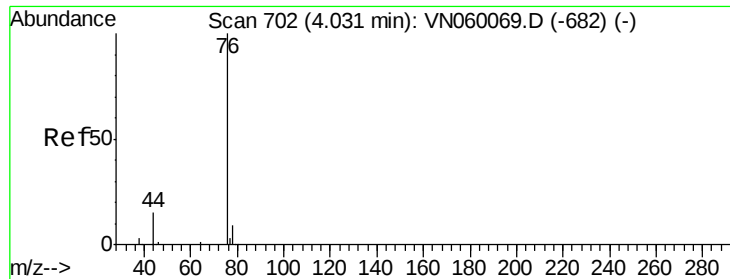
58 30.9 25.2 37.8



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

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

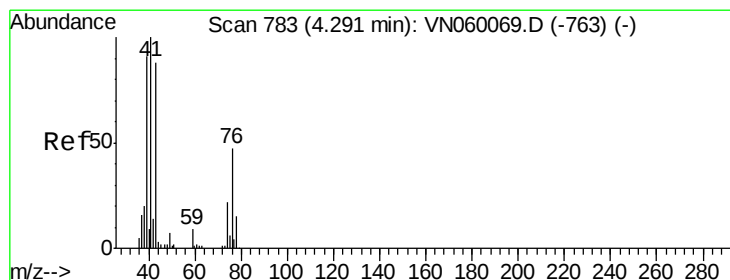
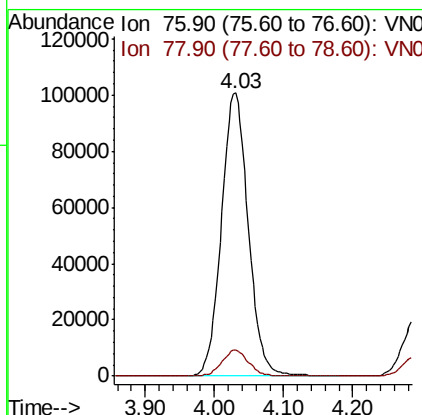
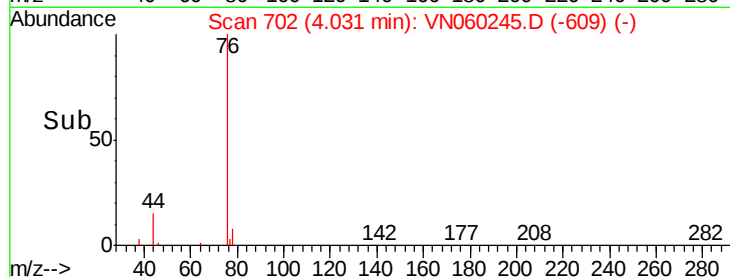
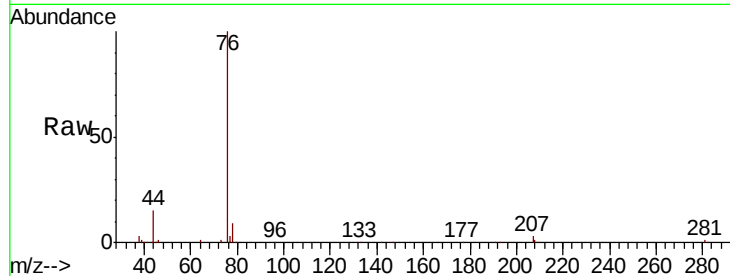




#17
Carbon Disulfide
Concen: 42.053 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN060245.D
Acq: 26 Feb 2020 11:19

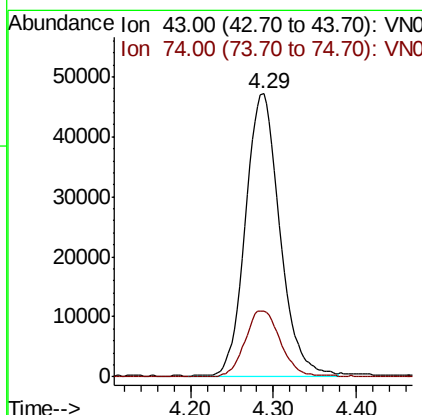
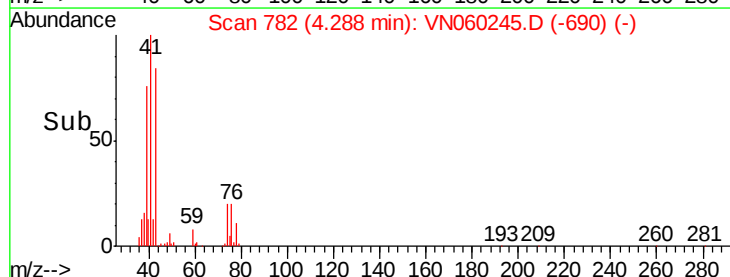
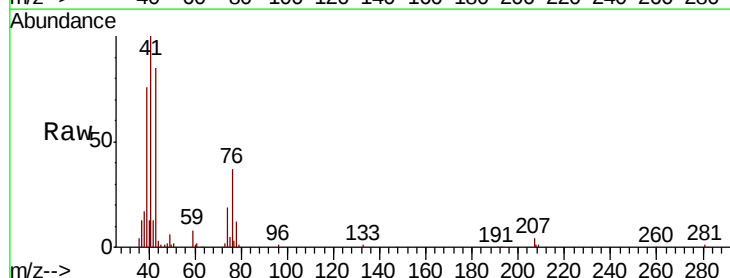
Instrument :
MSVOA_N
ClientSampleId :

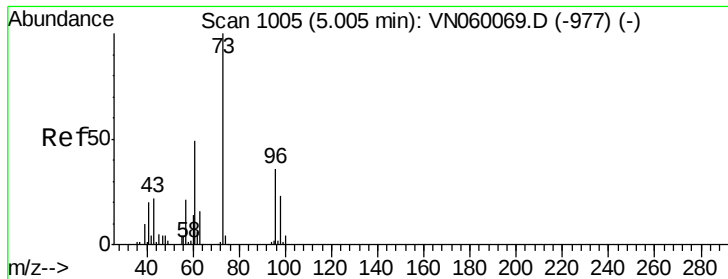
Tot Ion: 76 Resp: 271941
Ion Ratio Lower Upper
76 100
78 9.2 7.0 10.6



#18
Methyl Acetate
Concen: 59.780 ug/l
RT: 4.29 min Scan# 782
Delta R.T. -0.00 min
Lab File: VN060245.D
Acq: 26 Feb 2020 11:19

Tgt Ion: 43 Resp: 135254
Ion Ratio Lower Upper
43 100
74 24.1 20.3 30.5

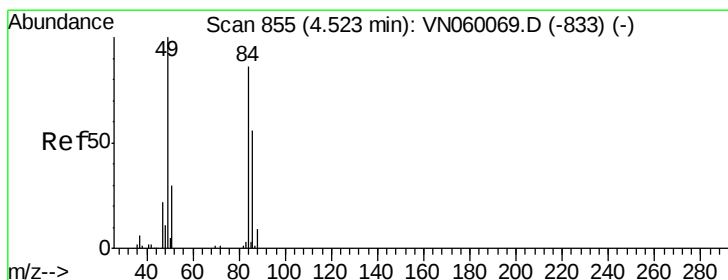
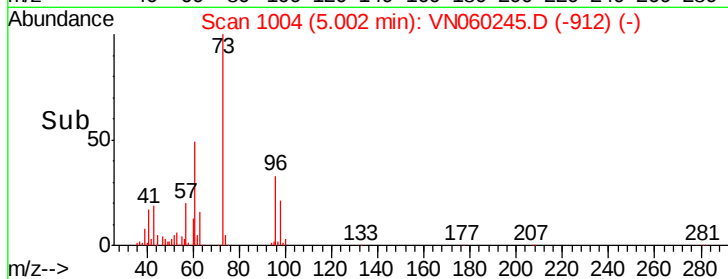
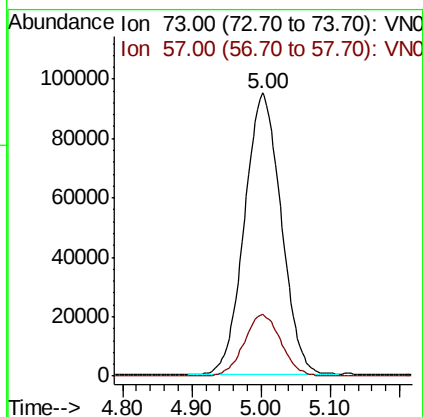
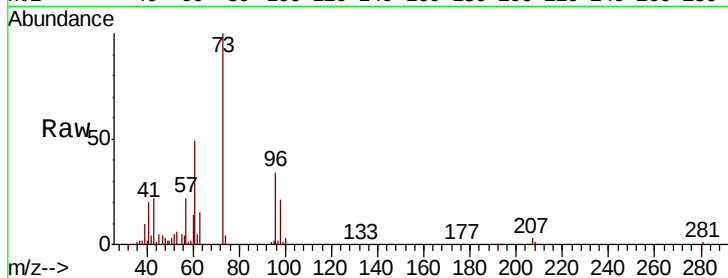




#19
Methvl tert-butvl Ether
Concen: 48.215 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060245.D
Acq: 26 Feb 2020 11:19

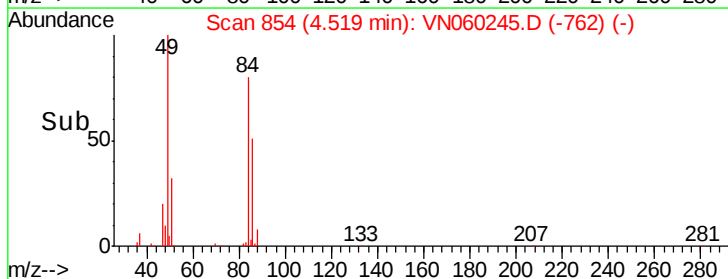
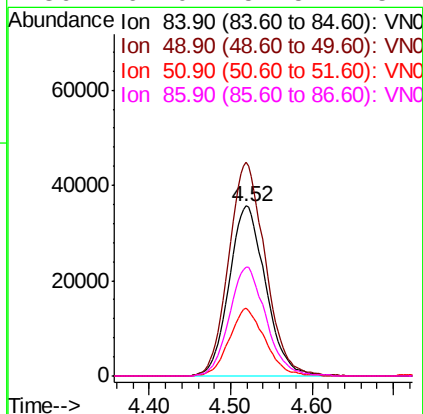
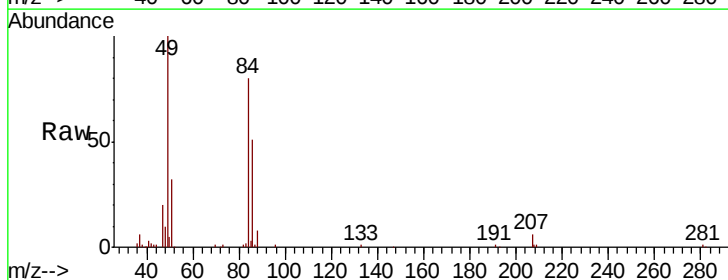
Instrument :
MSVOA_N
ClientSampleId :

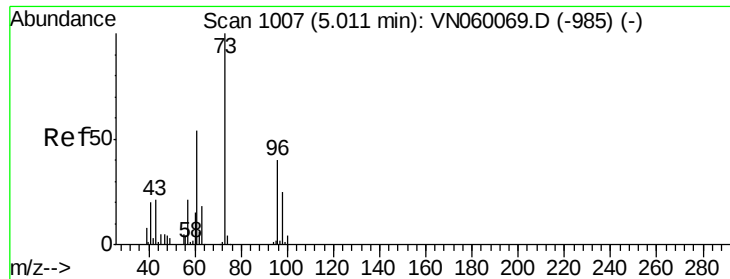
Tot Ion: 73 Resp: 347864
Ion Ratio Lower Upper
73 100
57 21.9 17.2 25.8



#20
Methylene Chloride
Concen: 46.441 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060245.D
Acq: 26 Feb 2020 11:19

Tgt Ion: 84 Resp: 111593
Ion Ratio Lower Upper
84 100
49 125.5 93.4 140.0
51 39.8 28.4 42.6
86 64.0 52.5 78.7



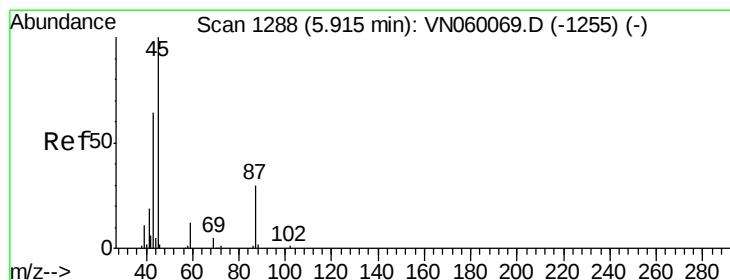
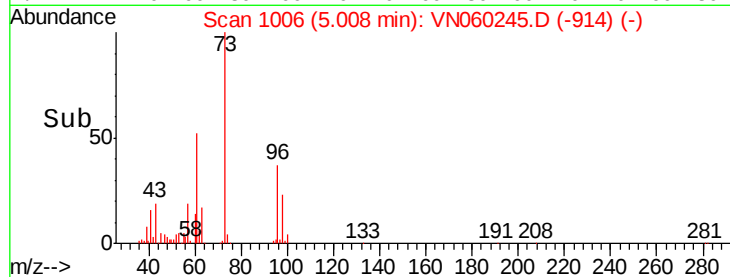
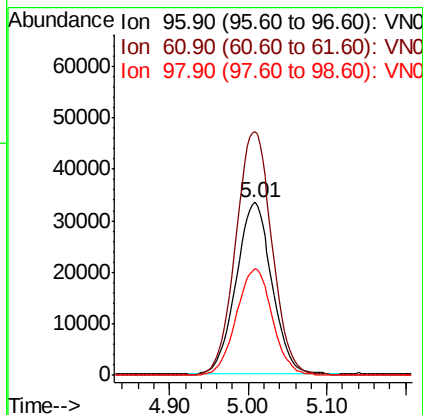
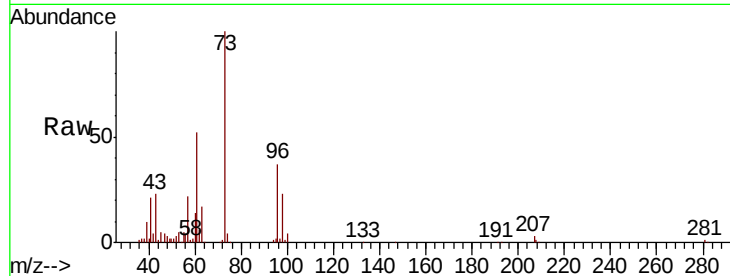


#21

trans-1,2-Dichloroethene
Concen: 45.436 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN060245.D
Acq: 26 Feb 2020 11:19

Instrument :
MSVOA_N
ClientSampleId :

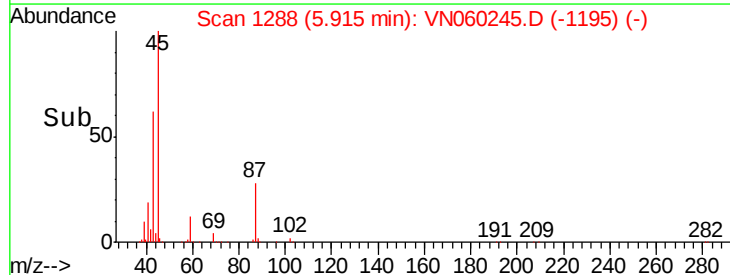
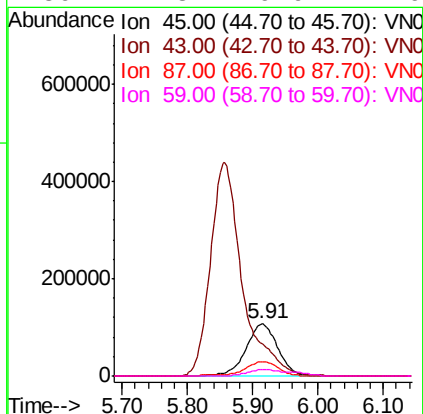
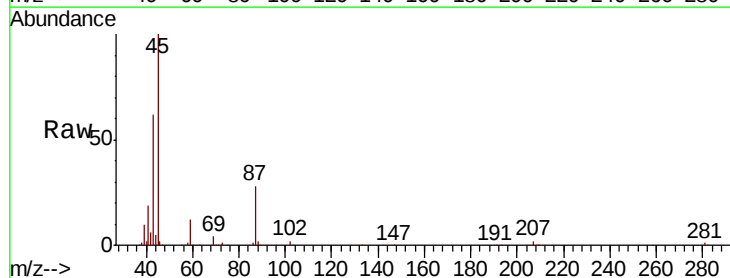
Tot Ion	96	Resp	106261
Ion	Ratio	Lower	Upper
96	100		
61	141.9	109.3	163.9
98	62.0	51.0	76.6

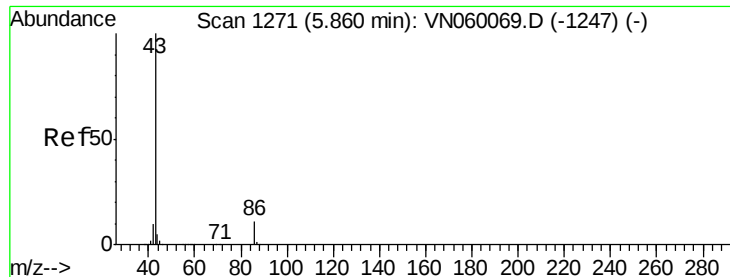


#22

Diisopropyl ether
Concen: 52.188 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VN060245.D
Acq: 26 Feb 2020 11:19

Tgt Ion	45	Resp	361169
Ion	Ratio	Lower	Upper
45	100		
43	61.4	55.9	83.9
87	28.0	24.5	36.7
59	11.8	9.9	14.9





#23

Vinyl Acetate

Concen: 255.827 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060245.D

Acq: 26 Feb 2020 11:19

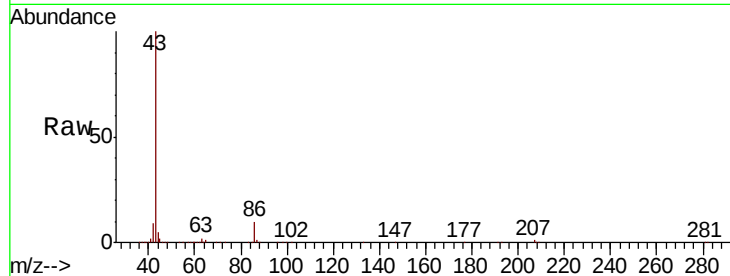
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 1486766

Ion Ratio Lower Upper

43 100

86 9.9 8.9 13.3



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

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

5.86

500000

400000

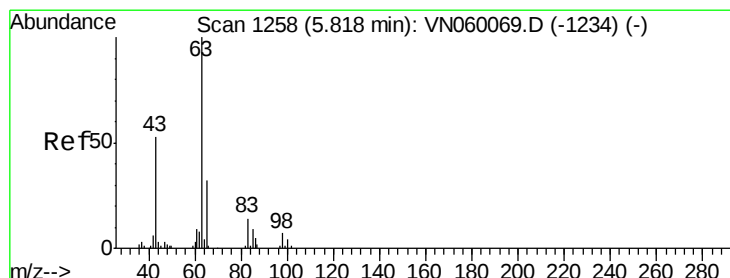
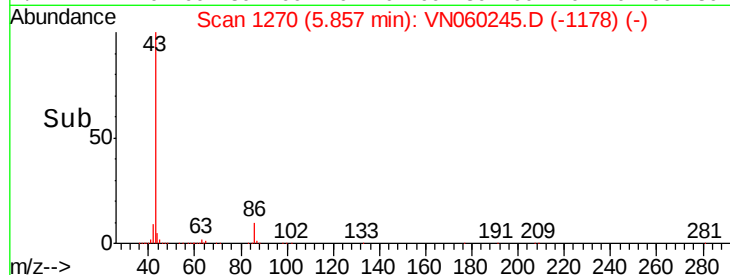
300000

200000

100000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 48.317 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060245.D

Acq: 26 Feb 2020 11:19

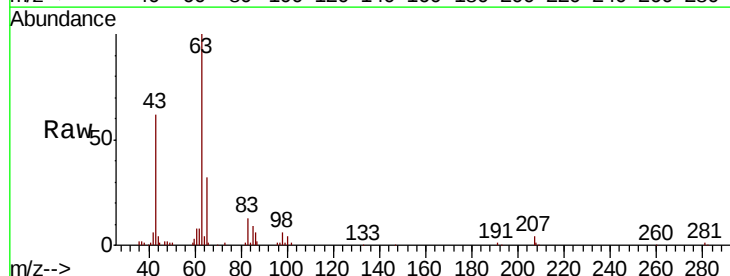
Tgt Ion: 63 Resp: 202563

Ion Ratio Lower Upper

63 100

98 6.2 3.5 10.5

100 4.1 2.2 6.6



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

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

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

5.82

80000

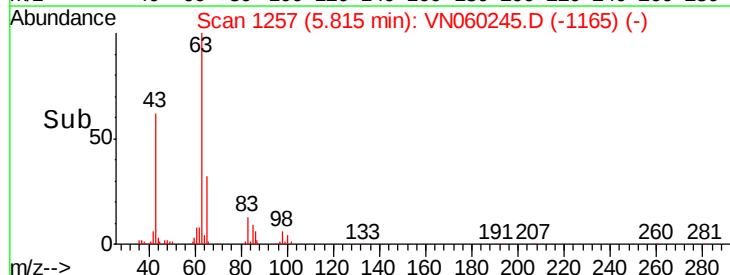
60000

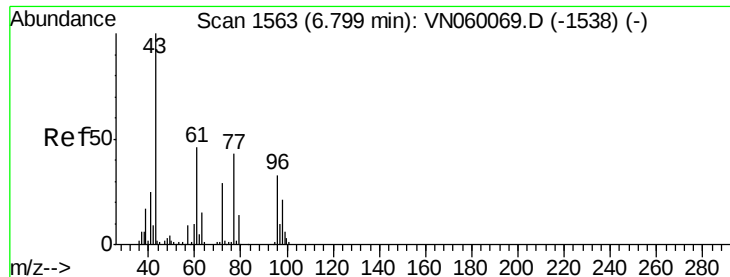
40000

20000

0

Time--> 5.70 5.80 5.90





#25

2-Butanone

Concen: 214.297 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060245.D

Acq: 26 Feb 2020 11:19

Instrument :

MSVOA_N

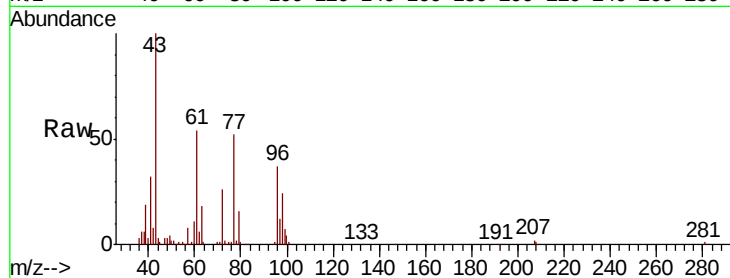
ClientSampled :

Tot Ion: 43 Resp: 324612

Ion Ratio Lower Upper

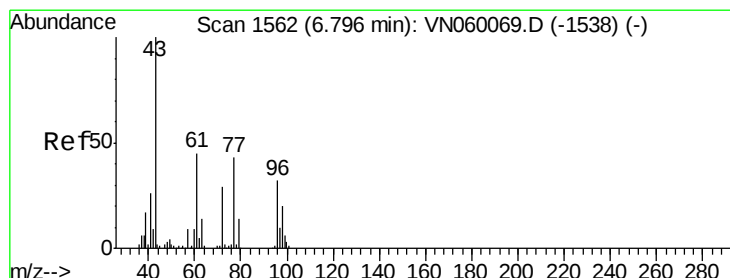
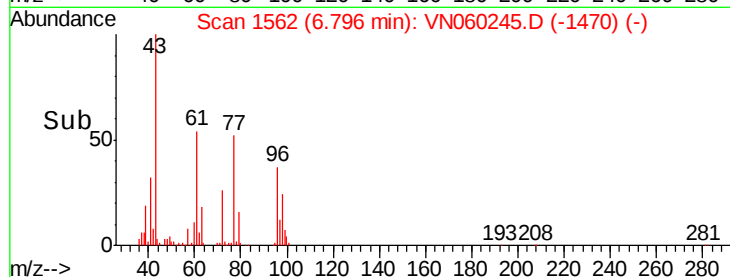
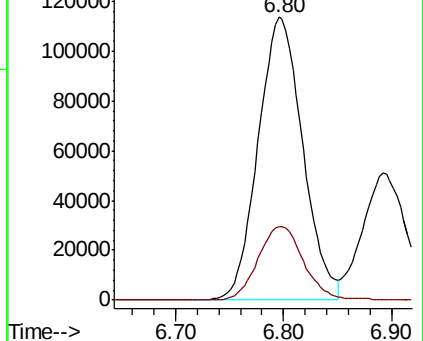
43 100

72 26.1 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 46.919 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060245.D

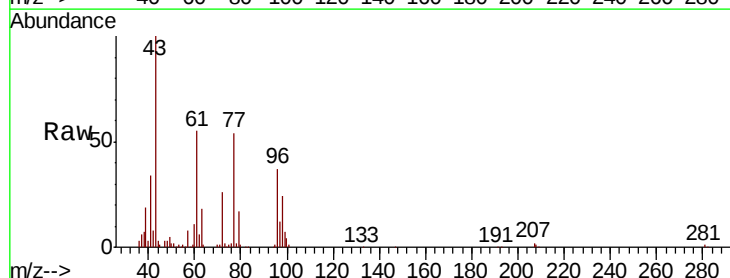
Acq: 26 Feb 2020 11:19

Tgt Ion: 77 Resp: 186828

Ion Ratio Lower Upper

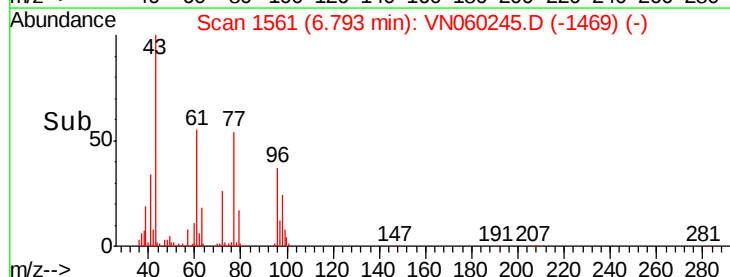
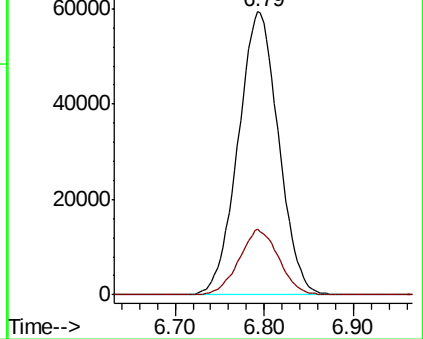
77 100

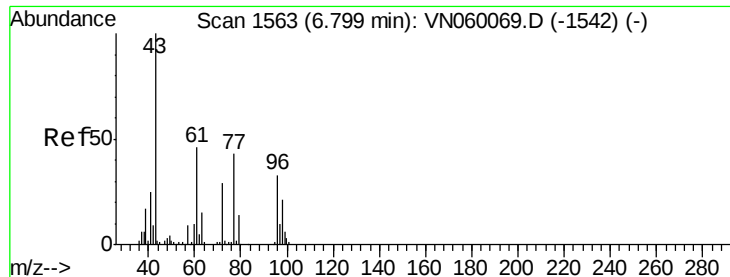
97 22.7 11.4 34.2



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 45.844 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060245.D

Acq: 26 Feb 2020 11:19

Instrument :
MSVOA_N
ClientSampleId :

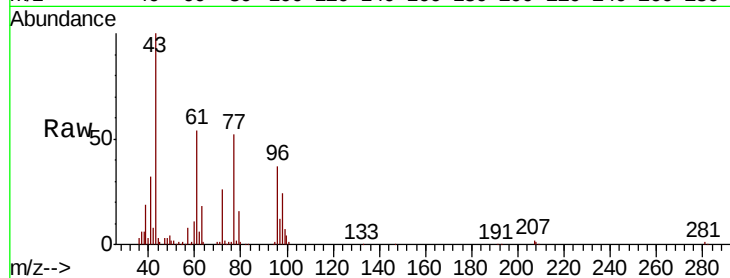
Tot Ion: 96 Resp: 125475

Ion Ratio Lower Upper

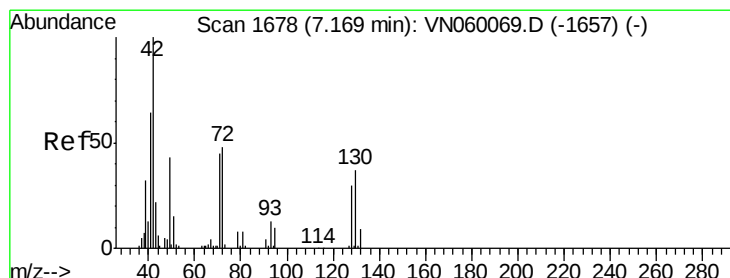
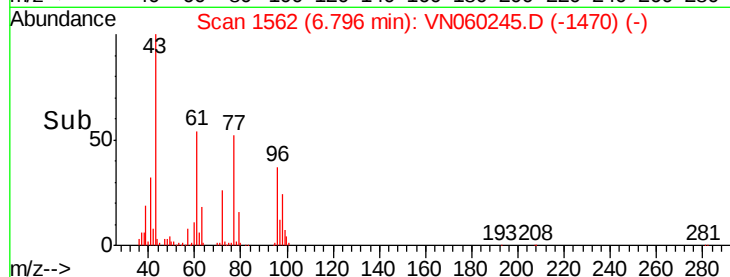
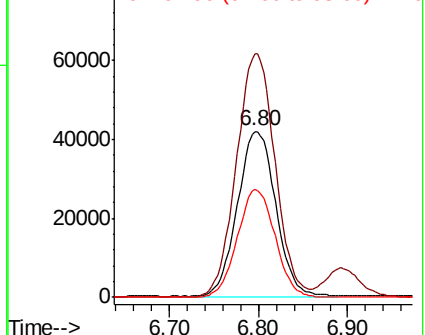
96 100

61 147.9 0.0 285.8

98 64.0 0.0 129.6



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



#28

Bromochloromethane

Concen: 54.105 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. -0.00 min

Lab File: VN060245.D

Acq: 26 Feb 2020 11:19

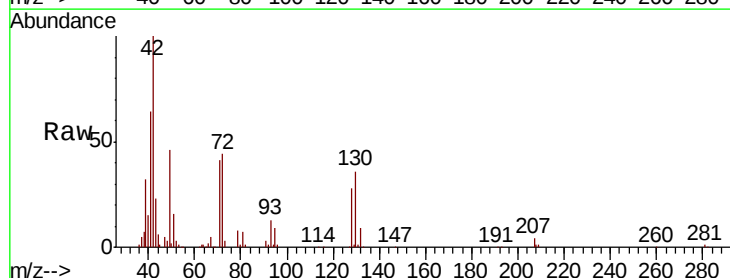
Tgt Ion: 49 Resp: 89174

Ion Ratio Lower Upper

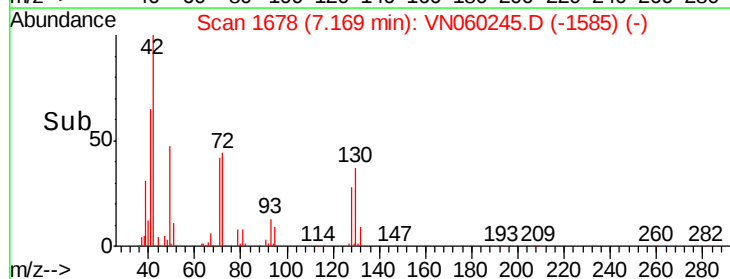
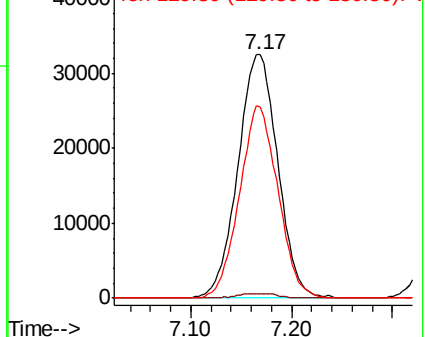
49 100

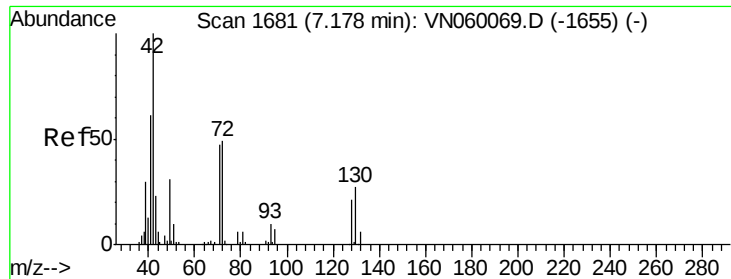
129 1.8 0.0 2.2

130 76.0 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

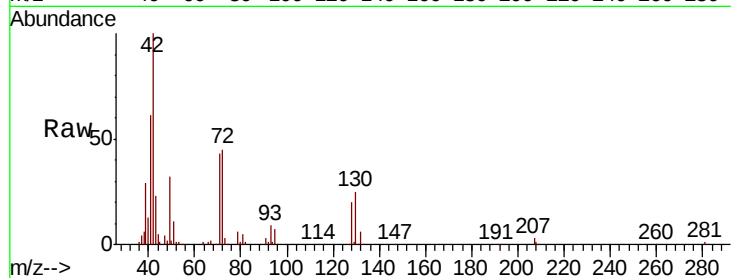




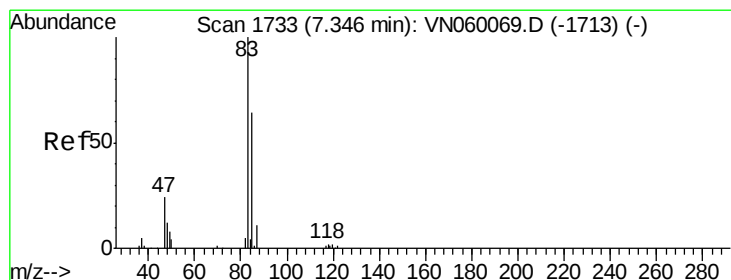
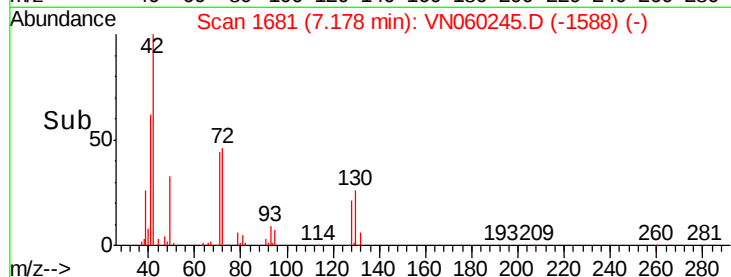
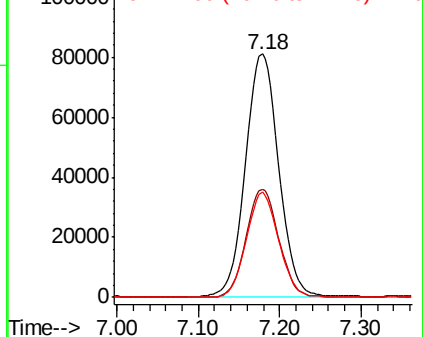
#29
Tetrahydrofuran
Concen: 245.972 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VN060245.D
Acq: 26 Feb 2020 11:19

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.7	38.2	57.4
71	41.5	36.6	54.8

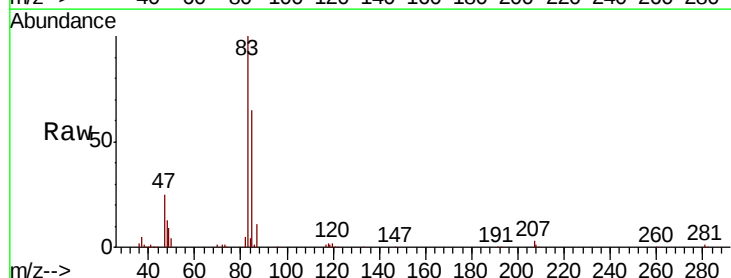


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

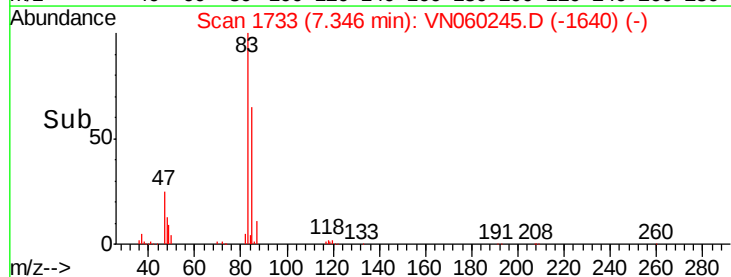
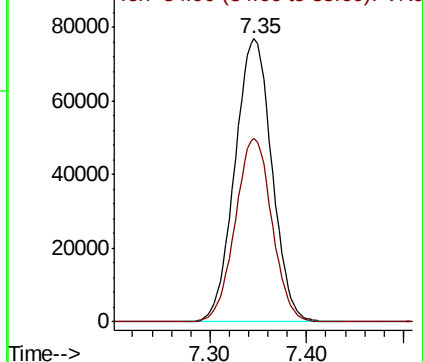


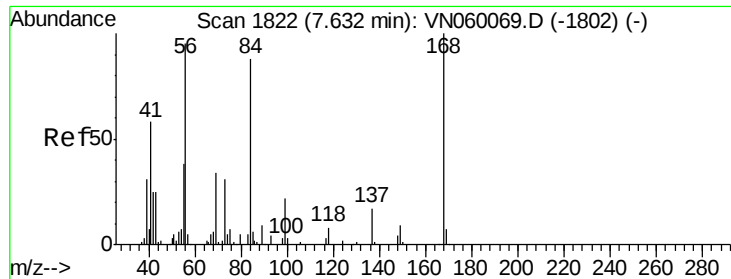
#30
Chloroform
Concen: 46.549 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060245.D
Acq: 26 Feb 2020 11:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.4	77.0



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

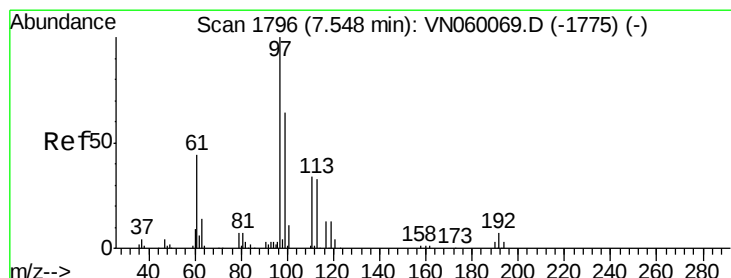
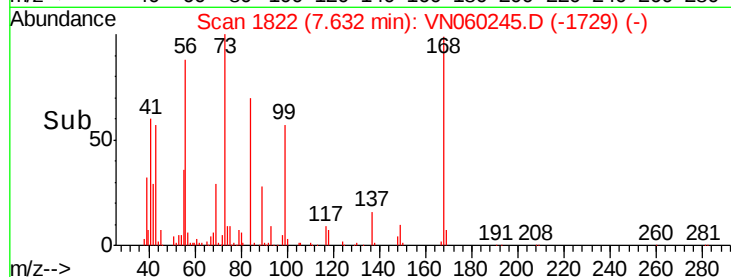
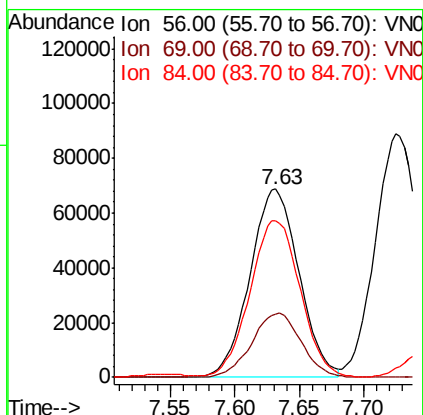
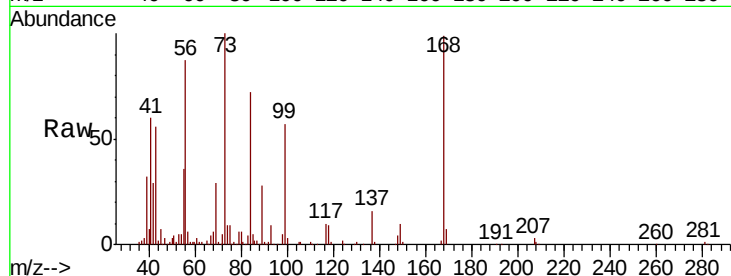




#31
Cyclohexane
Concen: 46.725 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN060245.D
Acq: 26 Feb 2020 11:19

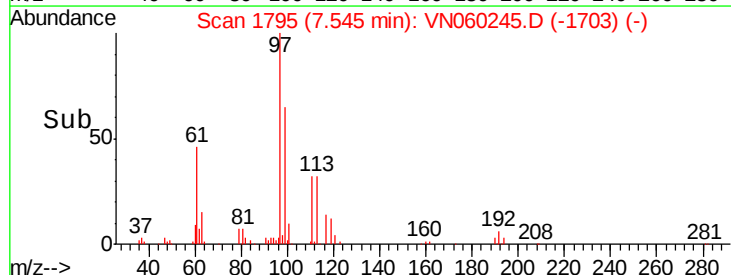
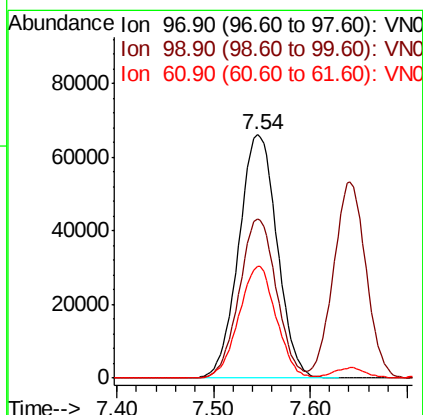
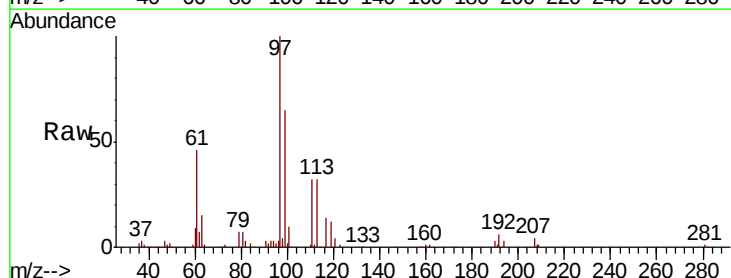
Instrument :
MSVOA_N
ClientSampled :

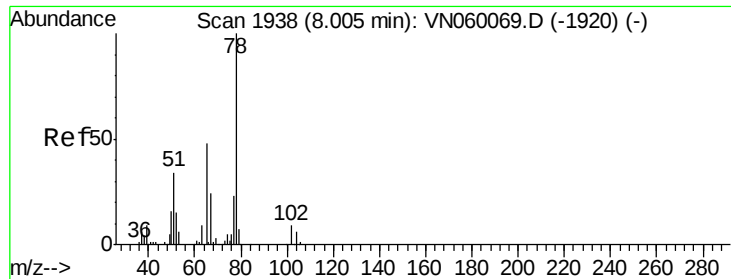
Tot Ion: 56 Resp: 182473
Ion Ratio Lower Upper
56 100
69 33.5 28.3 42.5
84 81.9 72.6 108.8



#32
1,1,1-Trichloroethane
Concen: 45.284 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN060245.D
Acq: 26 Feb 2020 11:19

Tgt Ion: 97 Resp: 181733
Ion Ratio Lower Upper
97 100
99 63.9 51.4 77.0
61 44.9 34.9 52.3

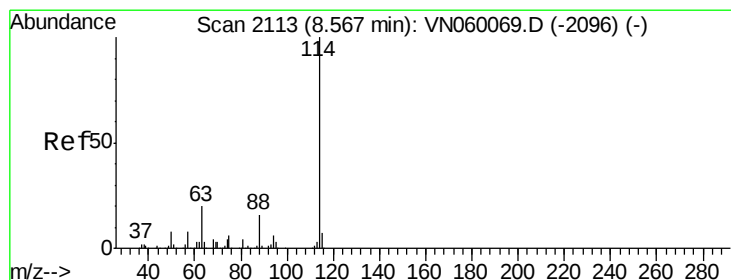
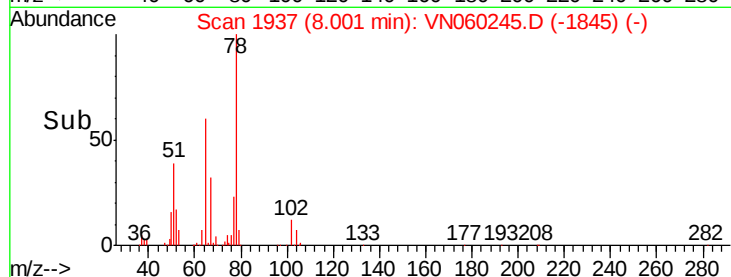
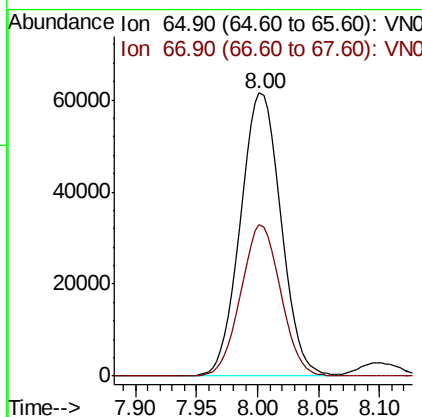
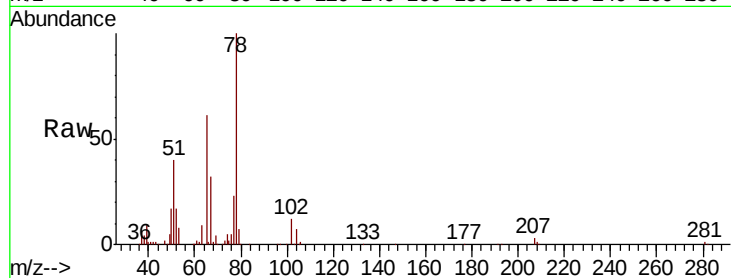




#33
 1,2-Dichloroethane-d4
 Concen: 51.342 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060245.D
 Acq: 26 Feb 2020 11:19

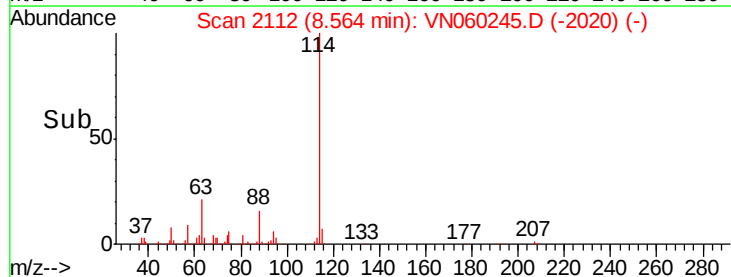
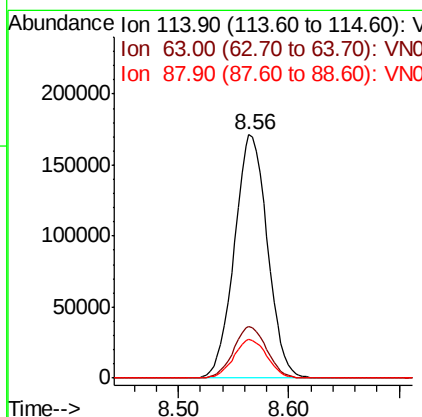
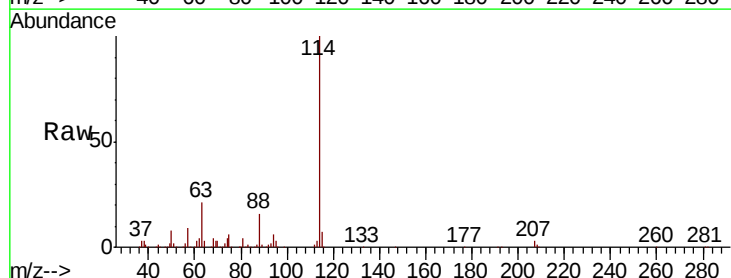
Instrument :
 MSVOA_N
 ClientSampleId :

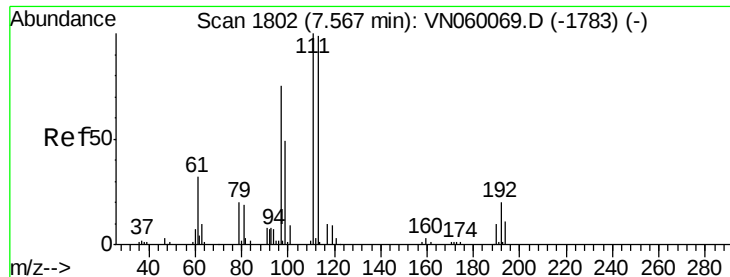
Tot Ion: 65 Resp: 141765
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060245.D
 Acq: 26 Feb 2020 11:19

Tgt Ion: 114 Resp: 355325
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 40.0
 88 15.8 0.0 31.6

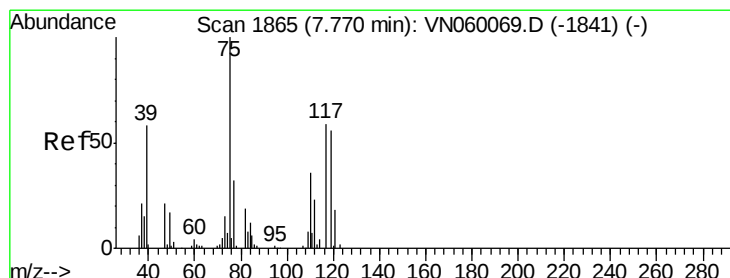
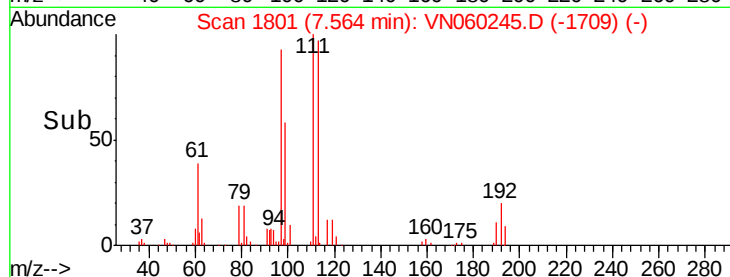
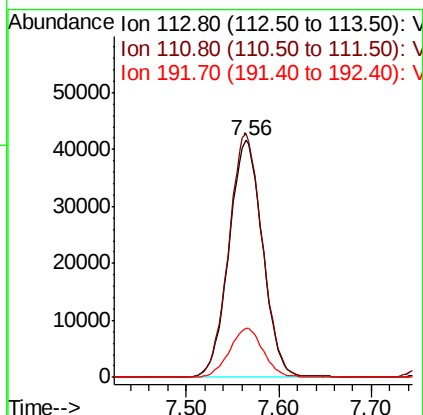
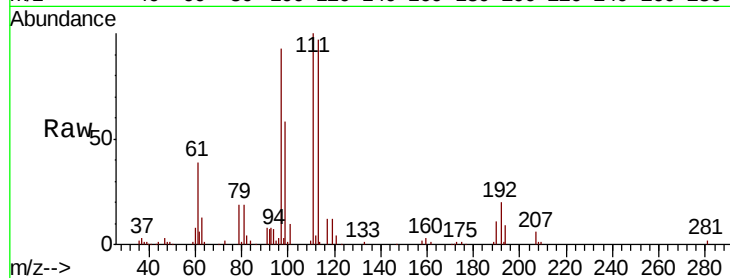




#35
 Dibromofluoromethane
 Concen: 47.970 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060245.D
 Acq: 26 Feb 2020 11:19

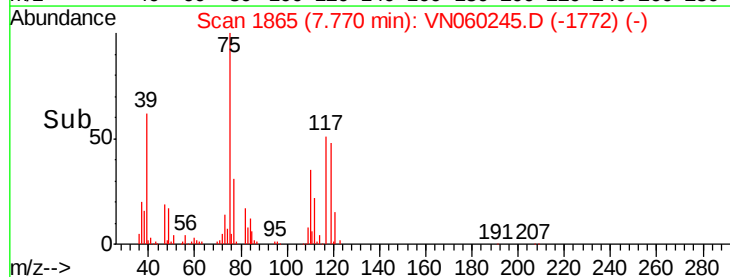
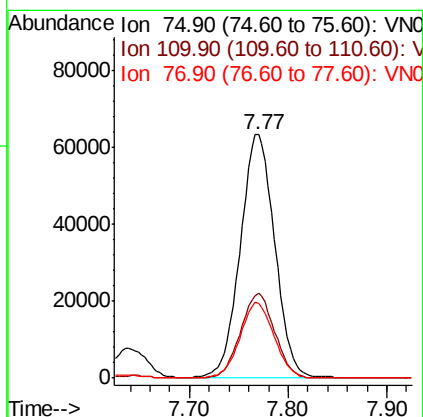
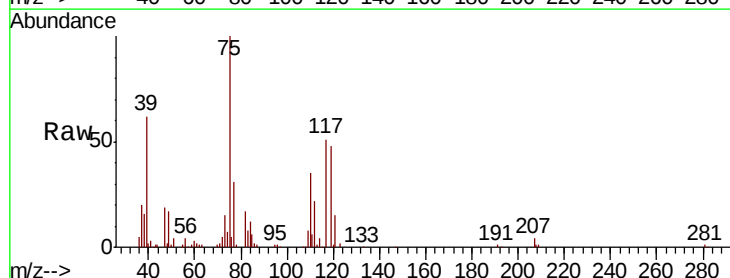
Instrument :
 MSVOA_N
 ClientSampled :

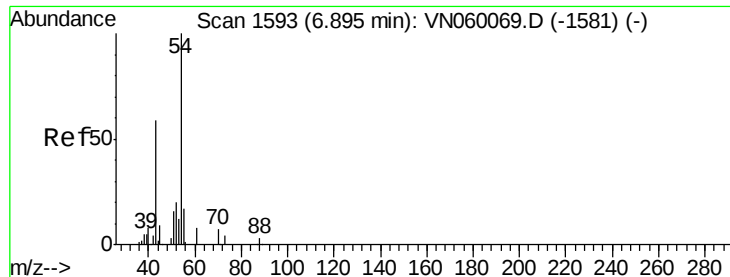
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.4	122.2
192	20.7	16.2	24.2



#36
 1,1-Dichloropropene
 Concen: 46.187 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN060245.D
 Acq: 26 Feb 2020 11:19

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.5	18.1	54.3
77	30.9	25.1	37.7

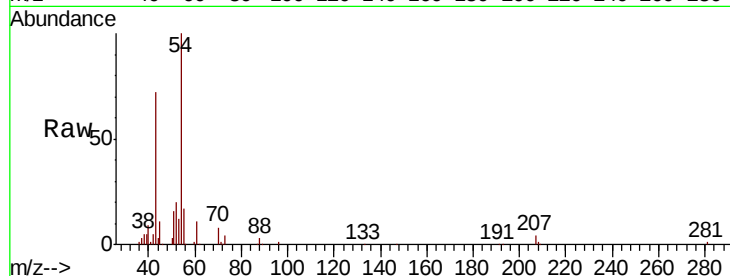




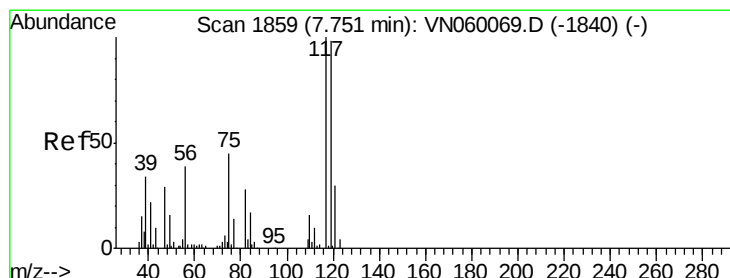
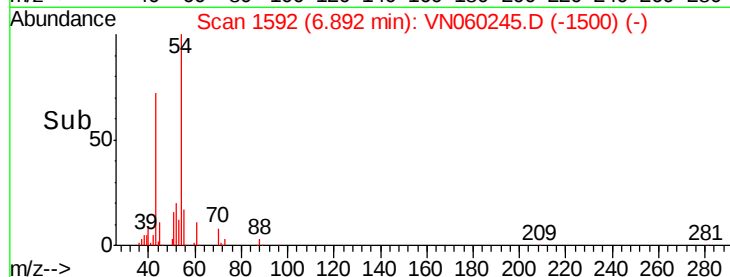
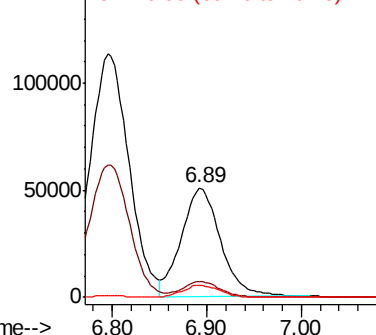
#37
Ethyl Acetate
Concen: 49.325 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060245.D
Acq: 26 Feb 2020 11:19

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 146716
Ion Ratio Lower Upper
43 100
61 13.9 11.4 17.2
70 10.5 8.7 13.1

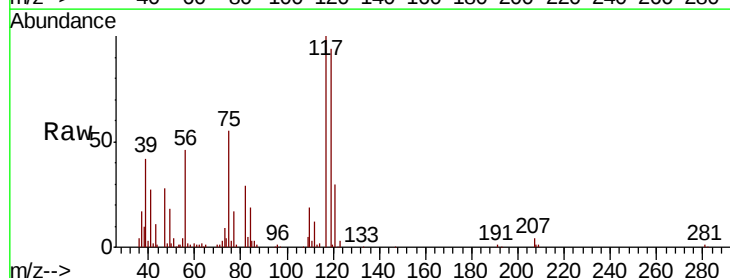


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

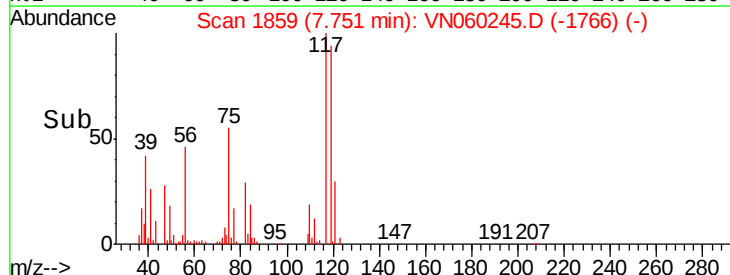
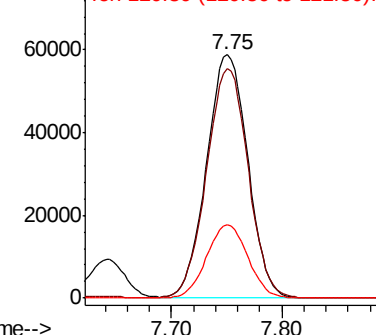


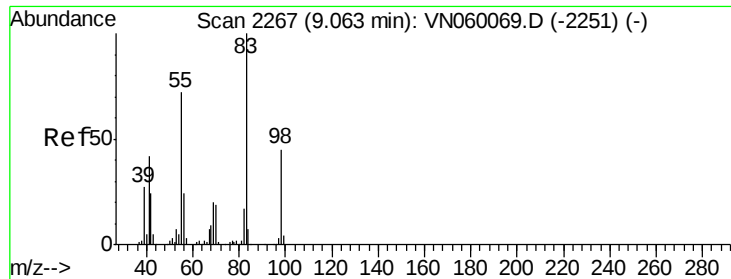
#38
Carbon Tetrachloride
Concen: 42.804 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN060245.D
Acq: 26 Feb 2020 11:19

Tgt Ion: 117 Resp: 152998
Ion Ratio Lower Upper
117 100
119 94.0 78.2 117.4
121 30.3 24.2 36.2



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

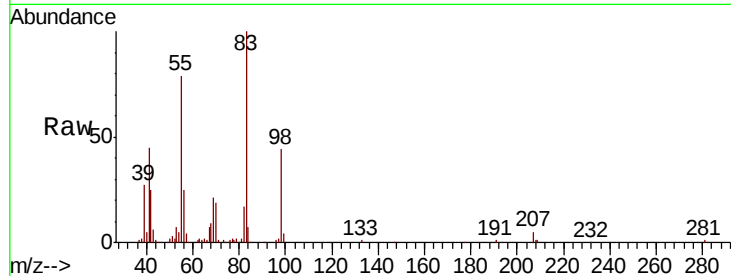




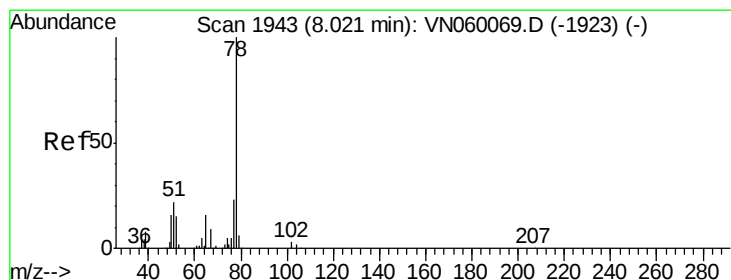
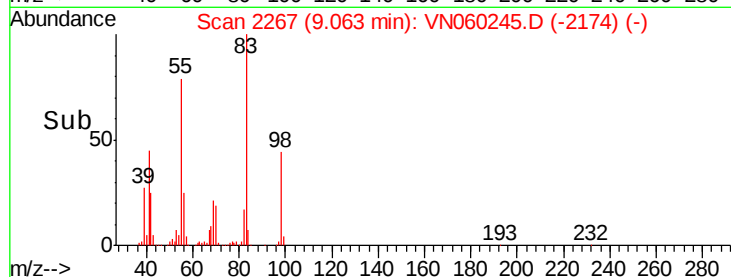
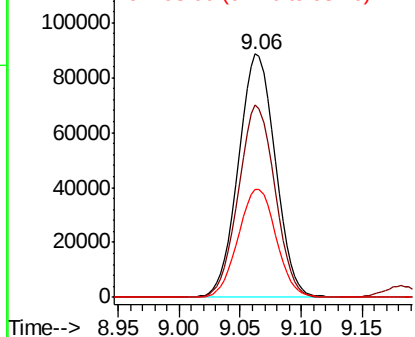
#39
Methvlcvclohexane
Concen: 45.452 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060245.D
Acq: 26 Feb 2020 11:19

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 185690
Ion Ratio Lower Upper
83 100
55 79.1 57.8 86.8
98 44.5 36.4 54.6

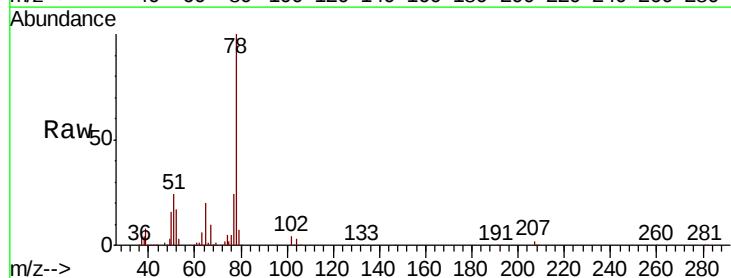


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

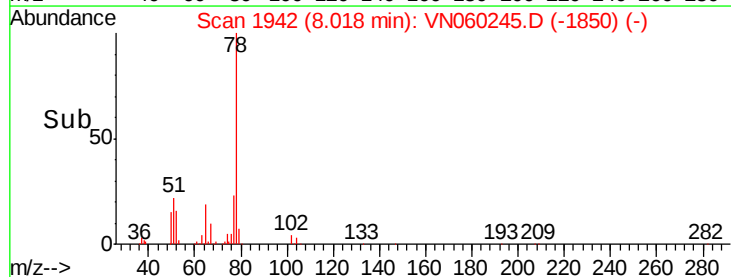
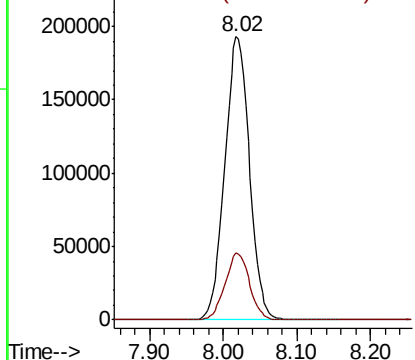


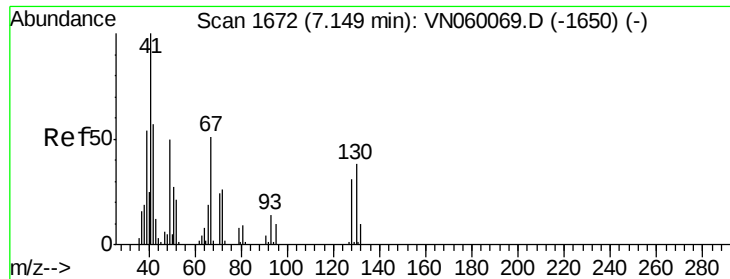
#40
Benzene
Concen: 45.935 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060245.D
Acq: 26 Feb 2020 11:19

Tgt Ion: 78 Resp: 448456
Ion Ratio Lower Upper
78 100
77 23.5 18.8 28.2



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

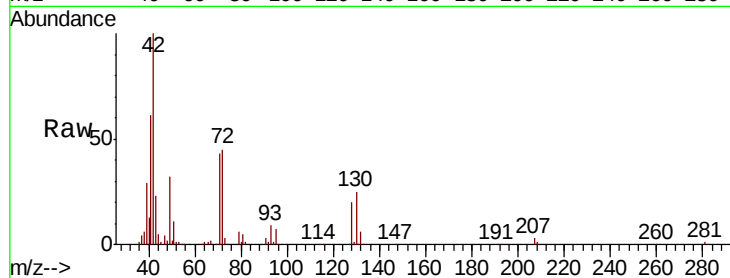




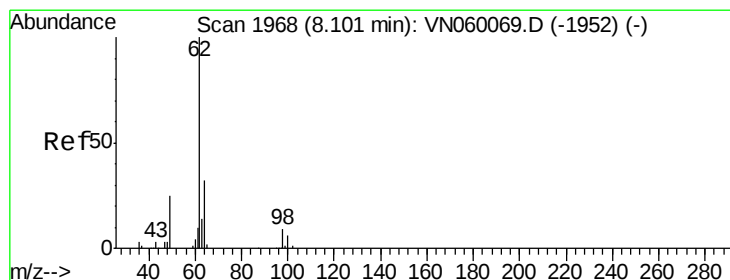
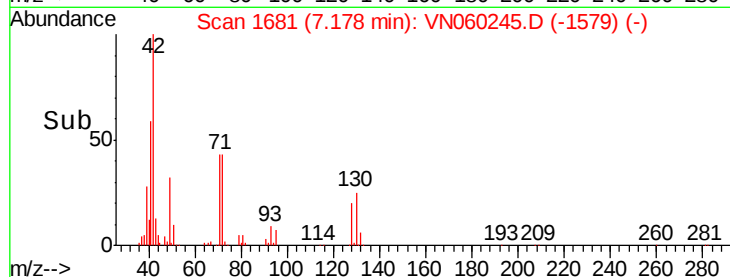
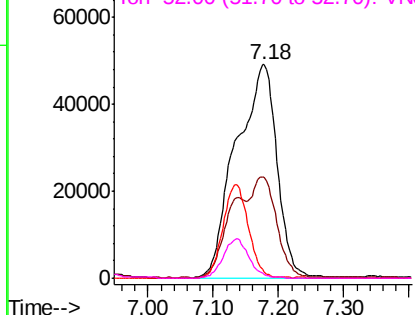
#41
Methacrylonitrile
Concen: 171.476 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.03 min
Lab File: VN060245.D
Acq: 26 Feb 2020 11:19

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	41	Resp:	213900
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

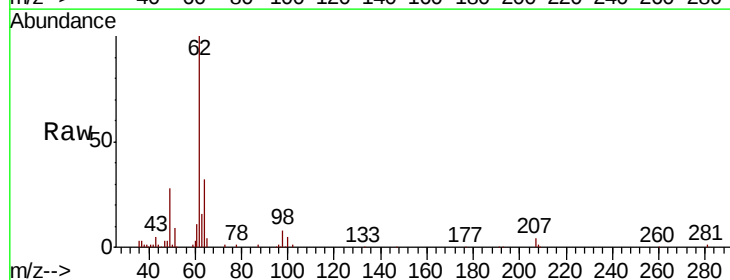


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

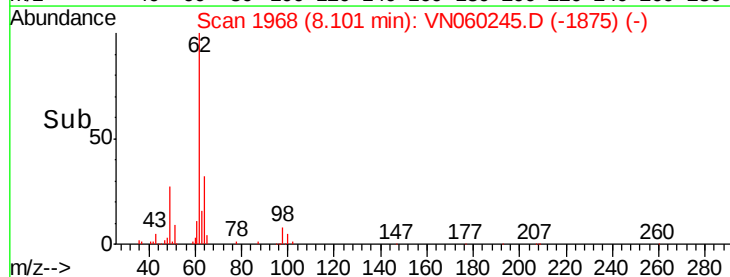
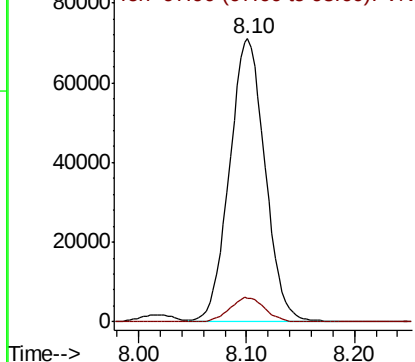


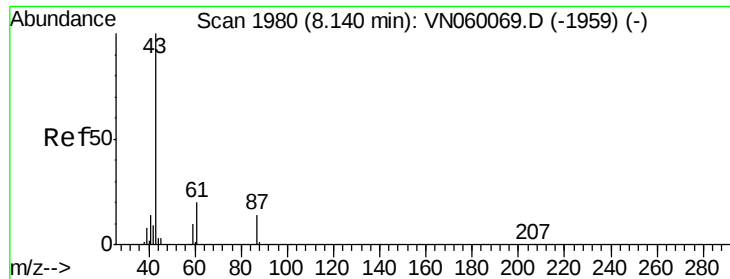
#42
1,2-Dichloroethane
Concen: 47.636 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN060245.D
Acq: 26 Feb 2020 11:19

Tgt Ion:	62	Resp:	162999
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	18.2



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





#43

Isopropyl Acetate

Concen: 51.006 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN060245.D

Acq: 26 Feb 2020 11:19

Instrument :

MSVOA_N

ClientSampleId :

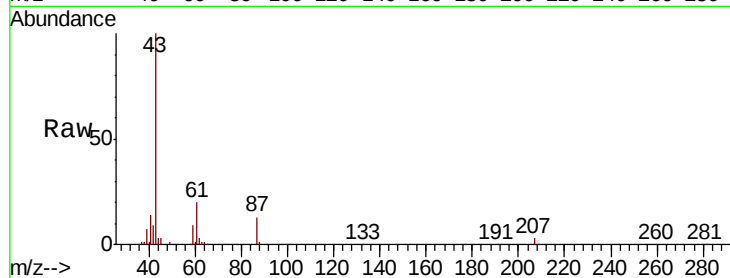
Tot Ion: 43 Resp: 259345

Ion Ratio Lower Upper

43 100

61 26.2 21.8 32.6

87 13.1 11.4 17.2

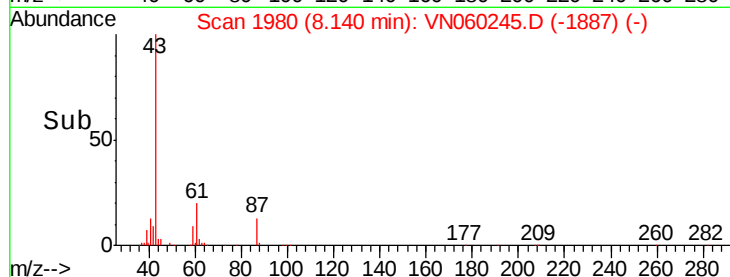


Abundance Ion 43.00 (42.70 to 43.70): VN060069.D (-1959) (-)

Ion 61.00 (60.70 to 61.70): VN060069.D (-1959) (-)

Ion 87.00 (86.70 to 87.70): VN060069.D (-1959) (-)

Time-->

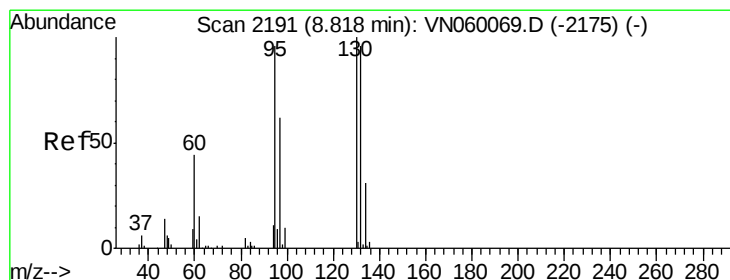


Abundance Ion 43.00 (42.70 to 43.70): VN060245.D (-1887) (-)

Ion 61.00 (60.70 to 61.70): VN060245.D (-1887) (-)

Ion 87.00 (86.70 to 87.70): VN060245.D (-1887) (-)

Time-->



#44

Trichloroethene

Concen: 46.373 ug/l

RT: 8.81 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VN060245.D

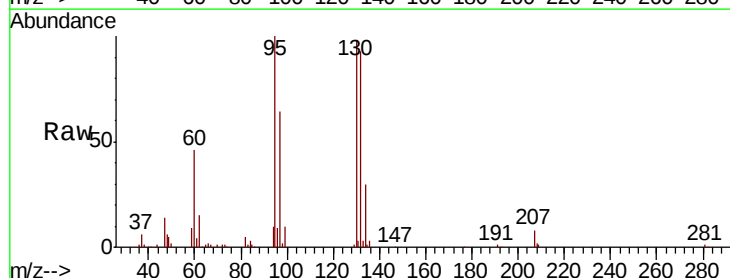
Acq: 26 Feb 2020 11:19

Tgt Ion:130 Resp: 125360

Ion Ratio Lower Upper

130 100

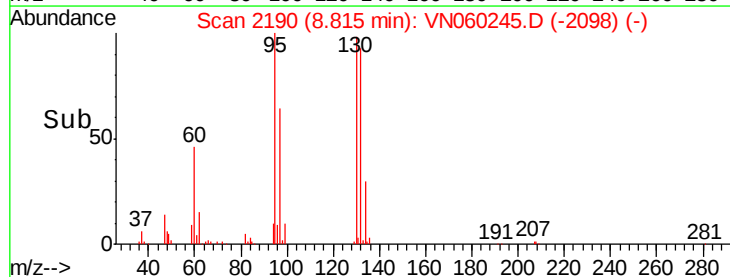
95 102.4 0.0 192.4



Abundance Ion 129.80 (129.50 to 130.50): VN060069.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN060069.D (-2175) (-)

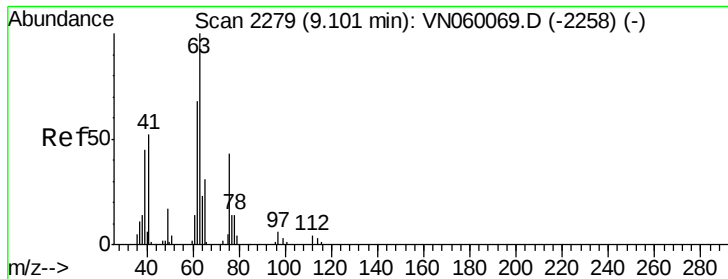
Time-->



Abundance Ion 129.80 (129.50 to 130.50): VN060245.D (-2098) (-)

Ion 94.90 (94.60 to 95.60): VN060245.D (-2098) (-)

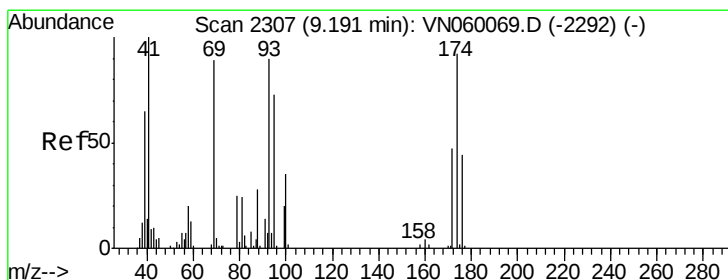
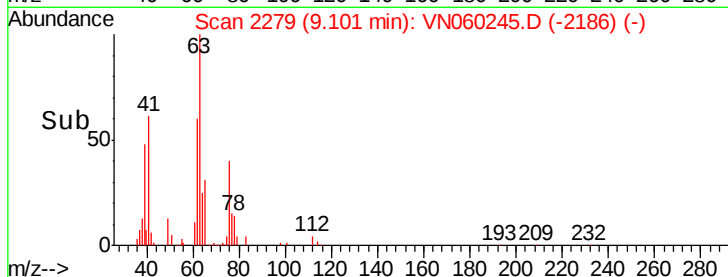
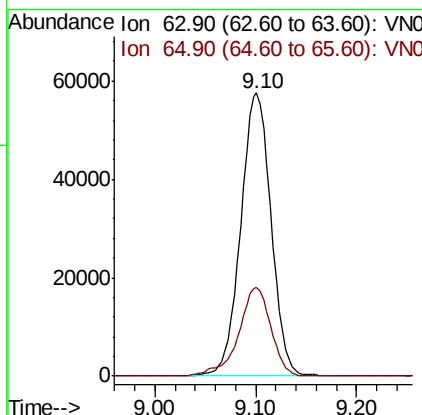
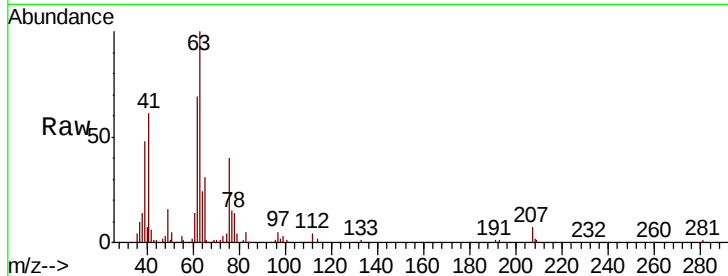
Time-->



#45
 1,2-Dichloropropane
 Concen: 49.454 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: VN060245.D
 Acq: 26 Feb 2020 11:19

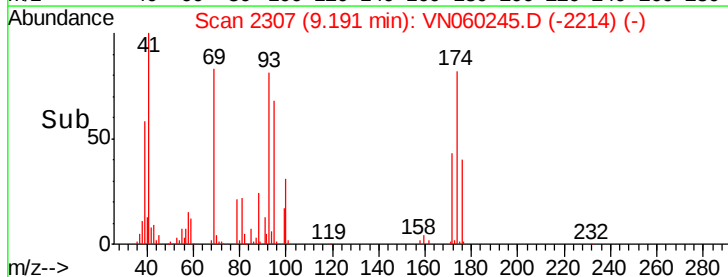
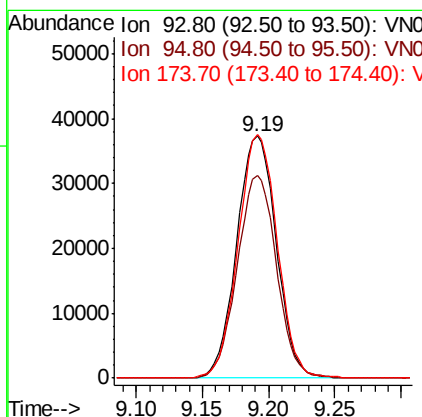
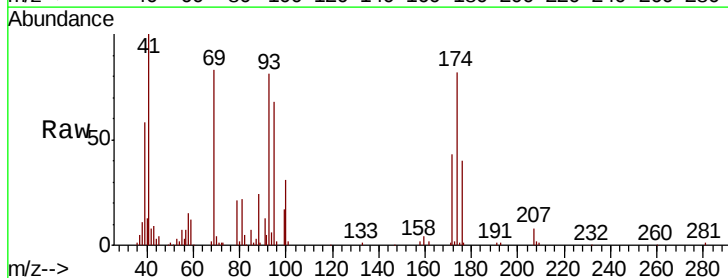
Instrument :
 MSVOA_N
 ClientSampleId :

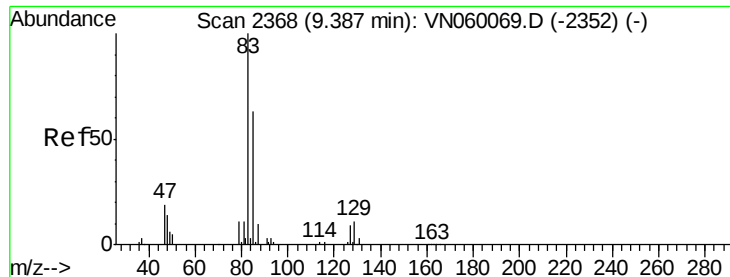
Tot Ion: 63 Resp: 119531
 Ion Ratio Lower Upper
 63 100
 65 31.4 25.0 37.4



#46
 Dibromomethane
 Concen: 45.341 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN060245.D
 Acq: 26 Feb 2020 11:19

Tgt Ion: 93 Resp: 77445
 Ion Ratio Lower Upper
 93 100
 95 83.1 65.0 97.6
 174 99.7 82.3 123.5





#47

Bromodichloromethane

Concen: 45.683 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN060245.D

Acq: 26 Feb 2020 11:19

Instrument :

MSVOA_N

ClientSampled :

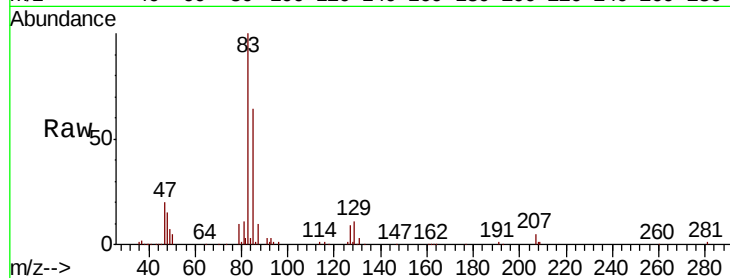
Tot Ion: 83 Resp: 158639

Ion Ratio Lower Upper

83 100

85 64.0 50.6 75.8

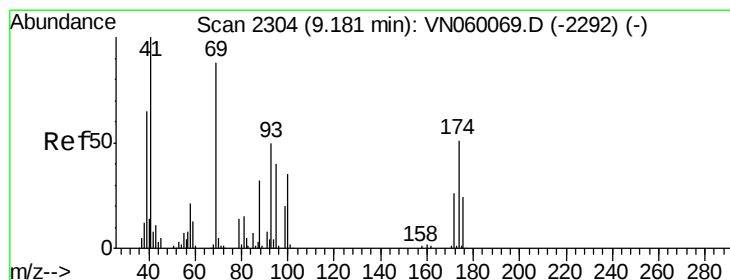
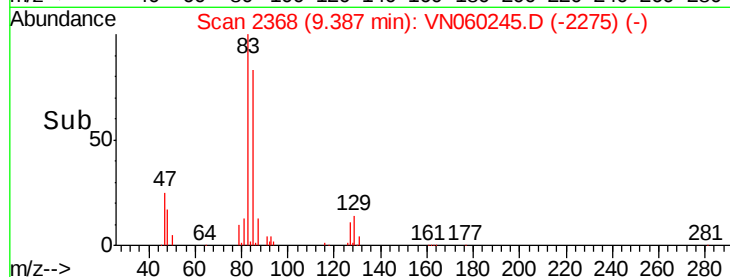
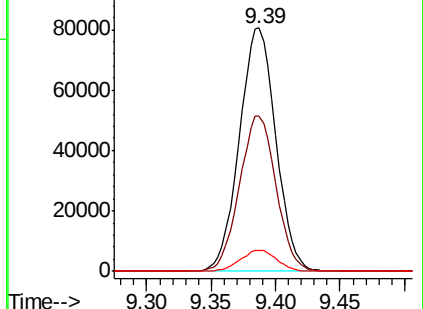
127 8.6 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VN060069.D (-2352) (-)

Ion 84.90 (84.60 to 85.60): VN060069.D (-2352) (-)

Ion 126.80 (126.50 to 127.50): VN060069.D (-2352) (-)



#48

Methyl methacrylate

Concen: 51.483 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. -0.00 min

Lab File: VN060245.D

Acq: 26 Feb 2020 11:19

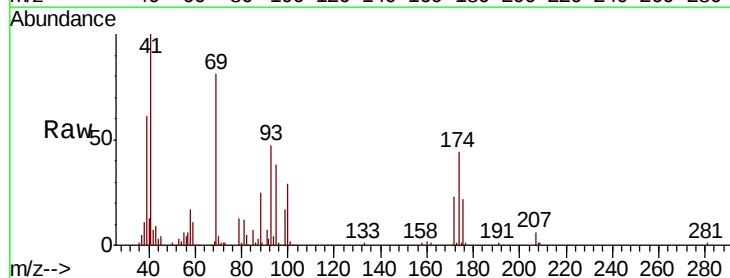
Tgt Ion: 41 Resp: 117448

Ion Ratio Lower Upper

41 100

69 84.0 72.0 108.0

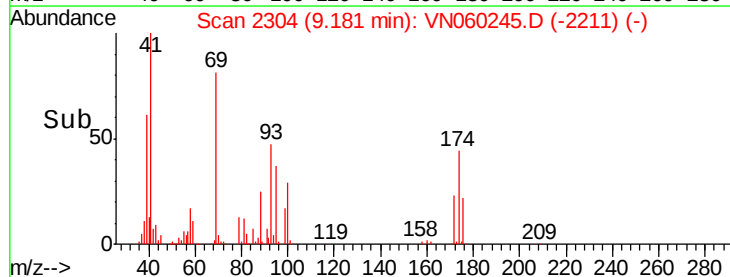
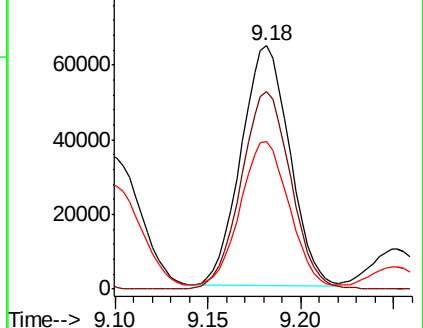
39 63.2 54.1 81.1

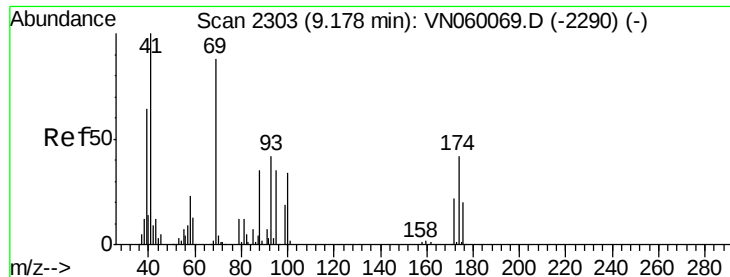


Abundance Ion 41.00 (40.70 to 41.70): VN060069.D (-2292) (-)

Ion 69.00 (68.70 to 69.70): VN060069.D (-2292) (-)

Ion 39.00 (38.70 to 39.70): VN060069.D (-2292) (-)

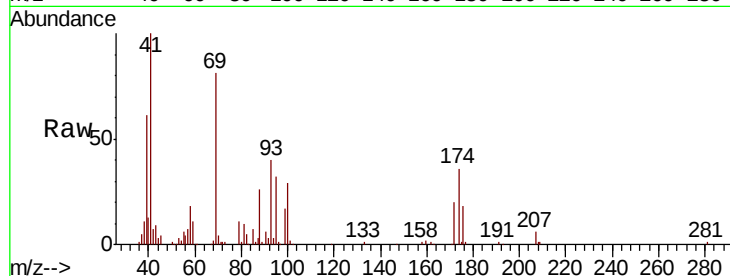




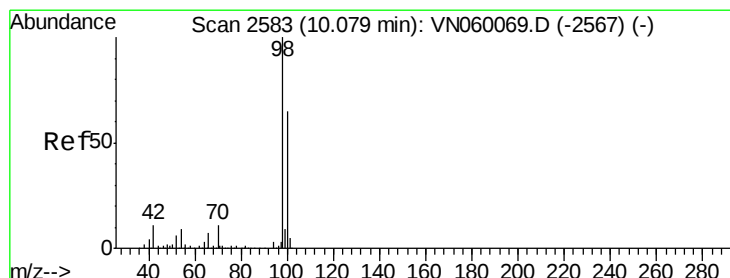
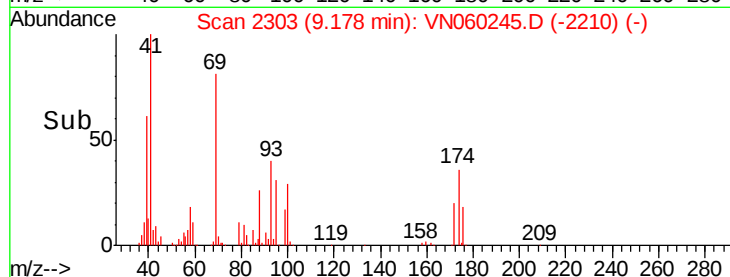
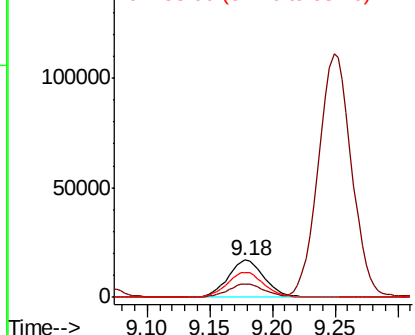
#49
1,4-Dioxane
Concen: 875.187 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VN060245.D
Acq: 26 Feb 2020 11:19

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 34113
Ion Ratio Lower Upper
88 100
43 36.1 26.2 39.2
58 67.7 53.2 79.8

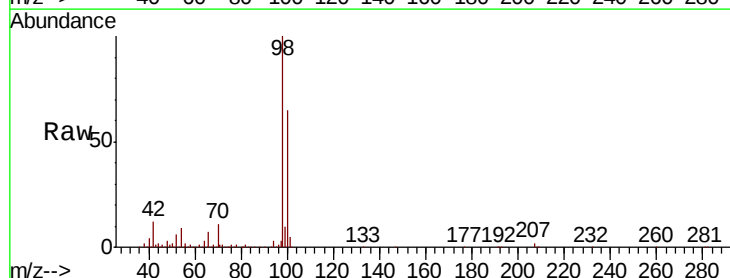


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

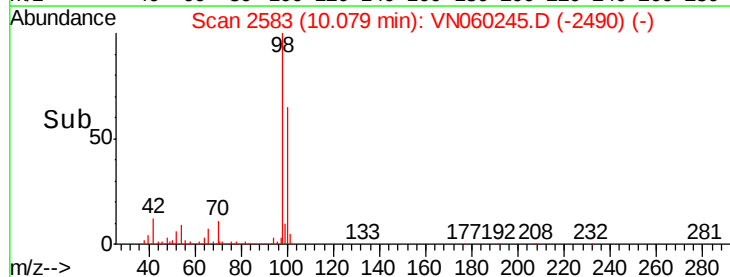
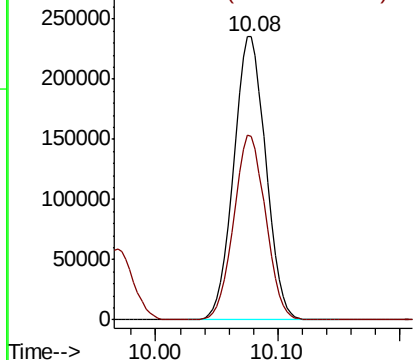


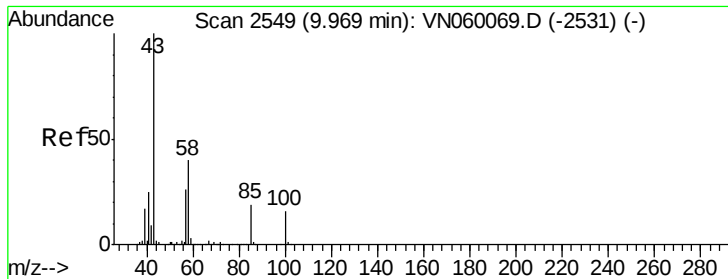
#50
Toluene-d8
Concen: 49.857 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN060245.D
Acq: 26 Feb 2020 11:19

Tgt Ion: 98 Resp: 428834
Ion Ratio Lower Upper
98 100
100 64.8 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: 251.433 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN060245.D

Acq: 26 Feb 2020 11:19

Instrument :

MSVOA_N

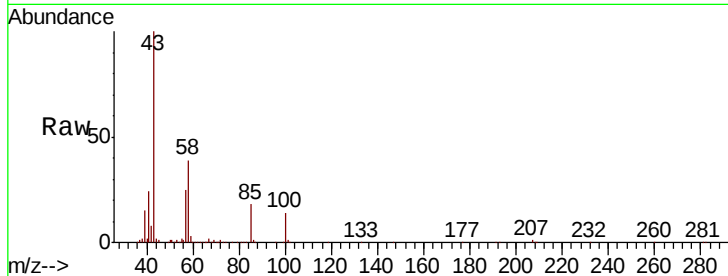
ClientSampleId :

Tot Ion: 43 Resp: 739980

Ion Ratio Lower Upper

43 100

58 38.8 31.8 47.8



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

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

9.97

400000

300000

200000

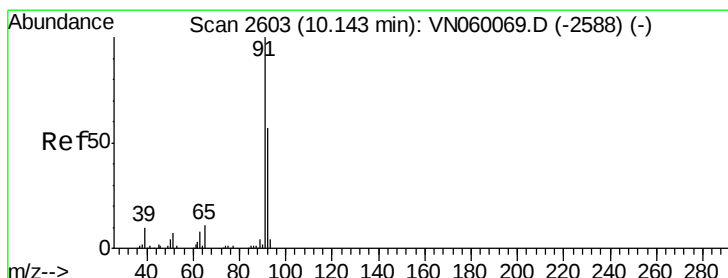
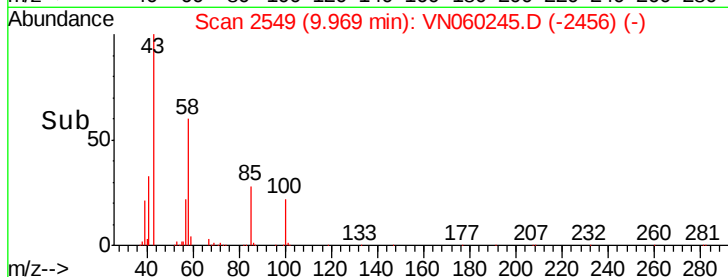
100000

0

9.90

10.00

Time-->



#52

Toluene

Concen: 45.420 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN060245.D

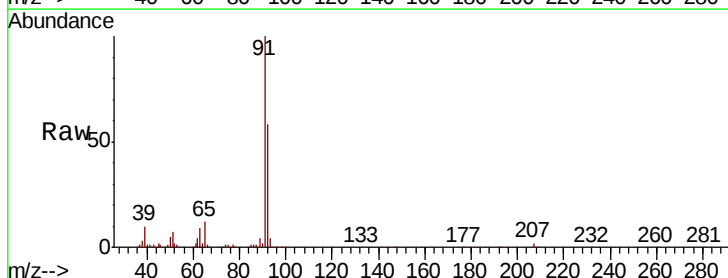
Acq: 26 Feb 2020 11:19

Tgt Ion: 92 Resp: 284356

Ion Ratio Lower Upper

92 100

91 174.7 140.9 211.3



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

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

10.14

300000

250000

200000

150000

100000

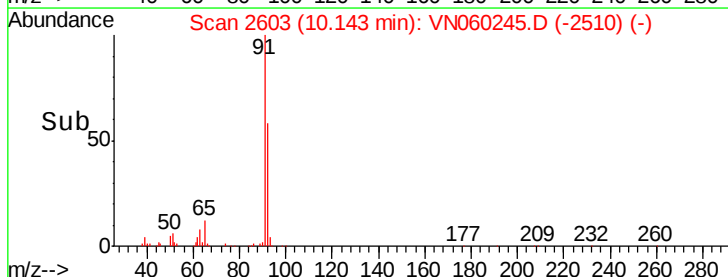
50000

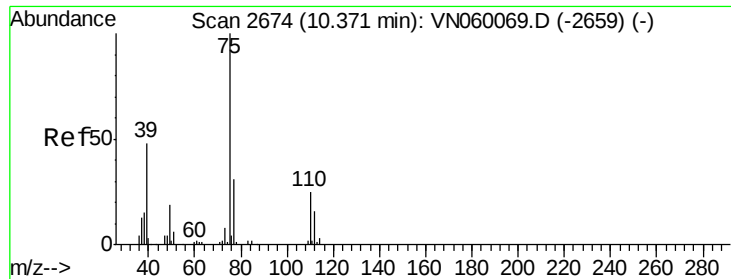
0

10.10

10.20

Time-->





#53

t-1,3-Dichloropropene

Concen: 48.418 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN060245.D

Acq: 26 Feb 2020 11:19

Instrument :

MSVOA_N

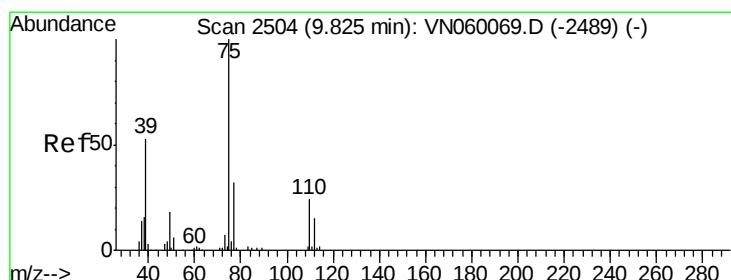
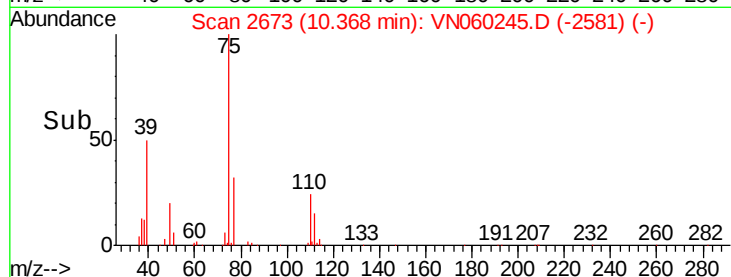
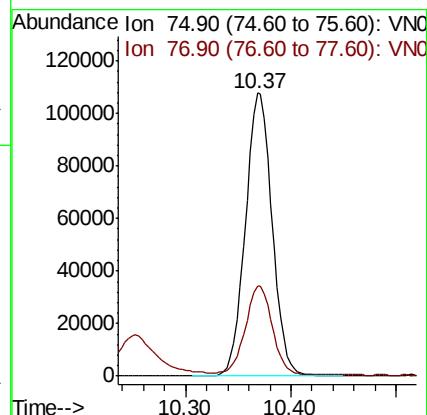
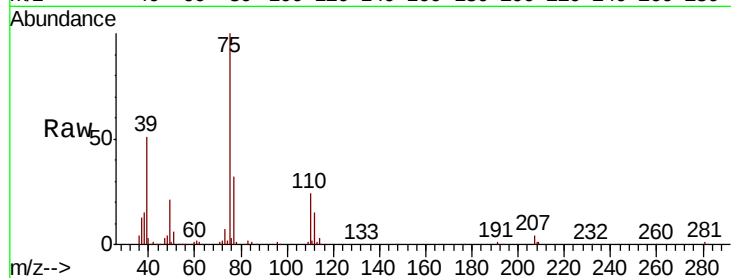
ClientSampleId :

Tot Ion: 75 Resp: 189786

Ion Ratio Lower Upper

75 100

77 31.5 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 48.455 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN060245.D

Acq: 26 Feb 2020 11:19

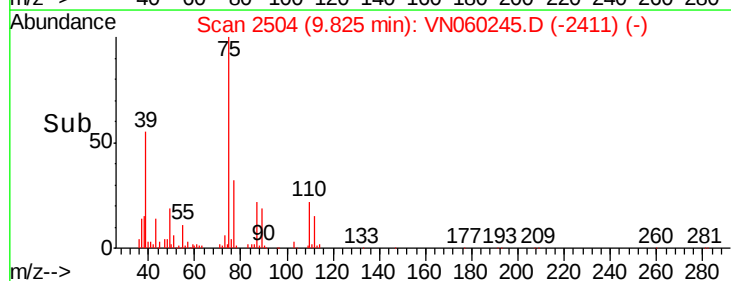
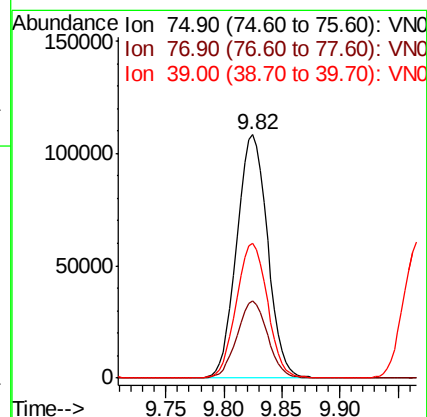
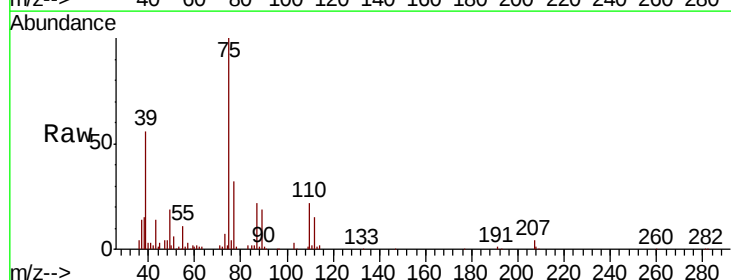
Tgt Ion: 75 Resp: 199999

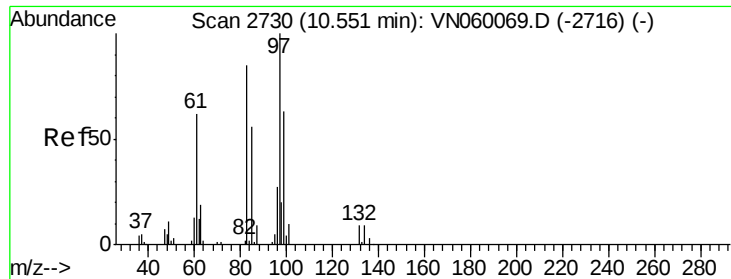
Ion Ratio Lower Upper

75 100

77 31.7 25.6 38.4

39 55.6 42.2 63.4

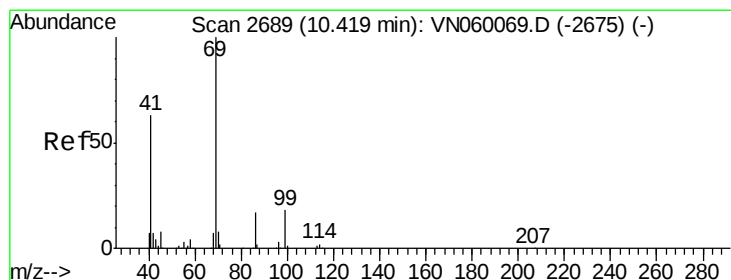
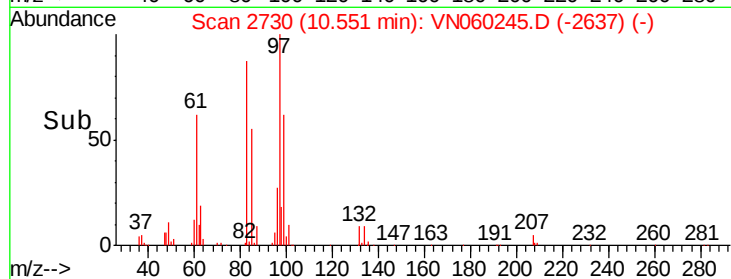
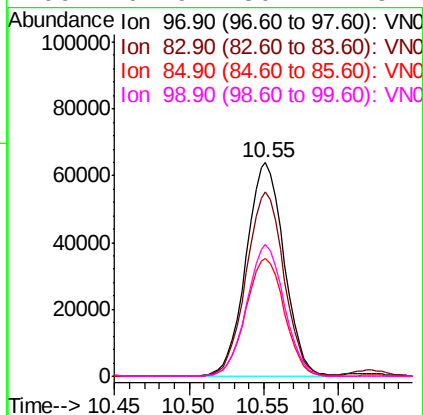
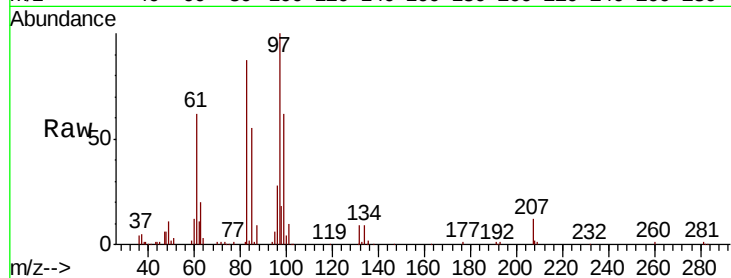




#55
 1,1,2-Trichloroethane
 Concen: 45.851 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VN060245.D
 Acq: 26 Feb 2020 11:19

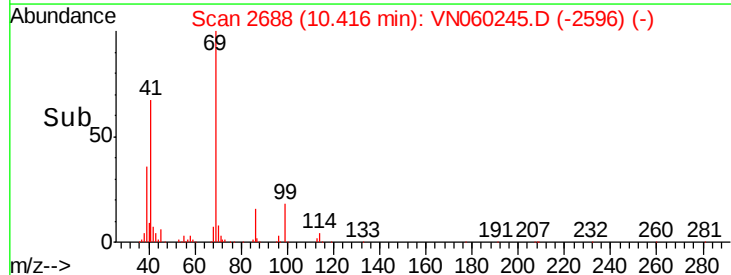
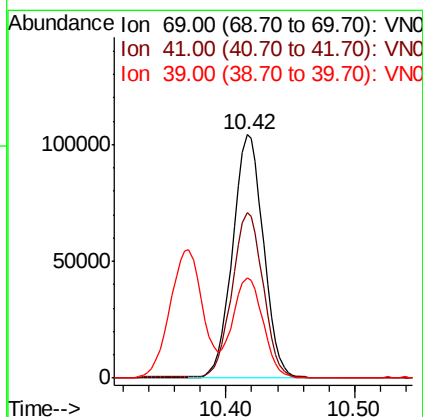
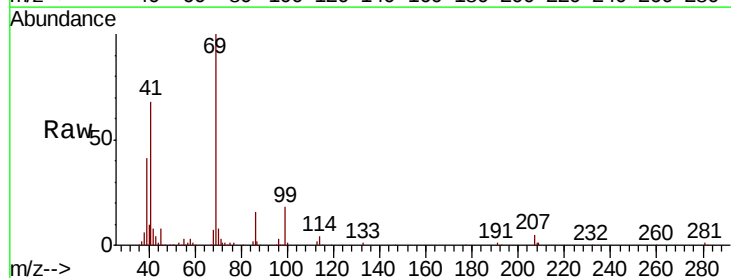
Instrument :
 MSVOA_N
 ClientSampleId :

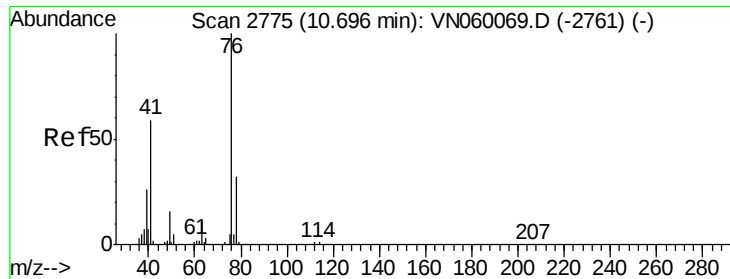
Tot Ion:	97	Resp:	111987
Ion	Ratio	Lower	Upper
97	100		
83	86.7	67.9	101.9
85	55.6	44.6	67.0
99	61.9	50.1	75.1



#56
 Ethyl methacrylate
 Concen: 49.945 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. -0.00 min
 Lab File: VN060245.D
 Acq: 26 Feb 2020 11:19

Tgt Ion:	69	Resp:	172564
Ion	Ratio	Lower	Upper
69	100		
41	68.2	51.1	76.7
39	41.0	33.8	50.8





#57

1,3-Dichloropropane

Concen: 46.378 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. -0.00 min

Lab File: VN060245.D

Acq: 26 Feb 2020 11:19

Instrument :

MSVOA_N

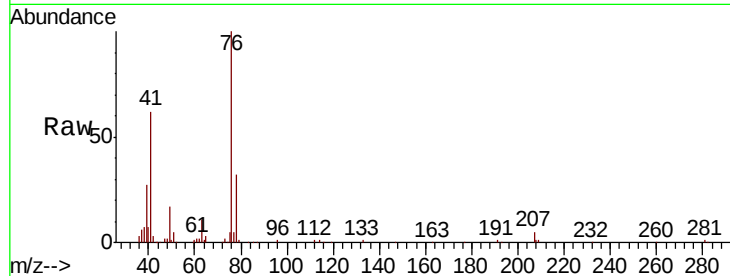
ClientSampleId :

Tot Ion: 76 Resp: 186909

Ion Ratio Lower Upper

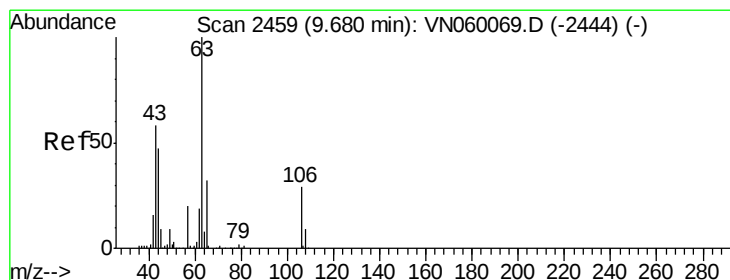
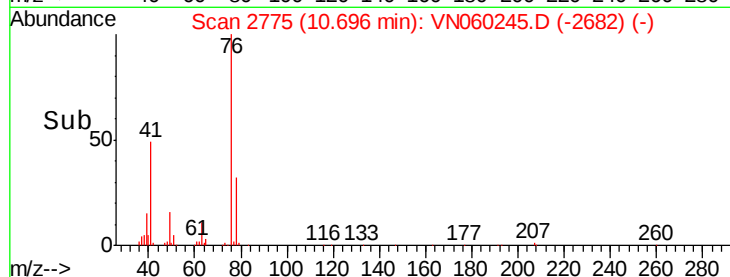
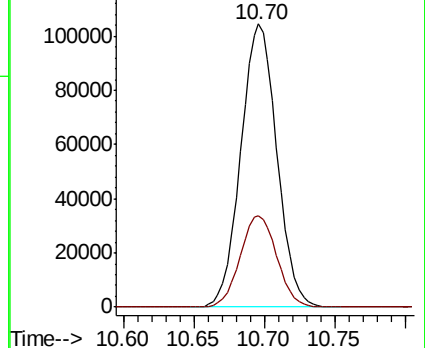
76 100

78 32.9 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VN060245.D (-2682) (-)

Ion 77.90 (77.60 to 78.60): VN060245.D (-2682) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 327.112 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. -0.00 min

Lab File: VN060245.D

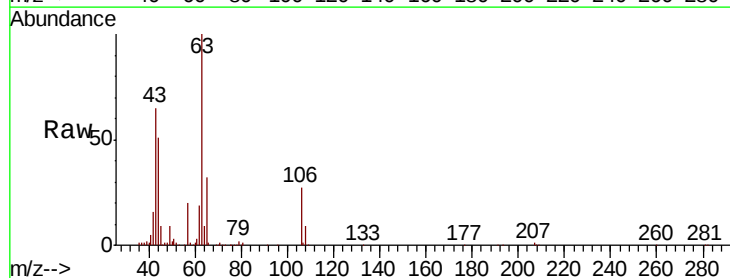
Acq: 26 Feb 2020 11:19

Tgt Ion: 63 Resp: 526527

Ion Ratio Lower Upper

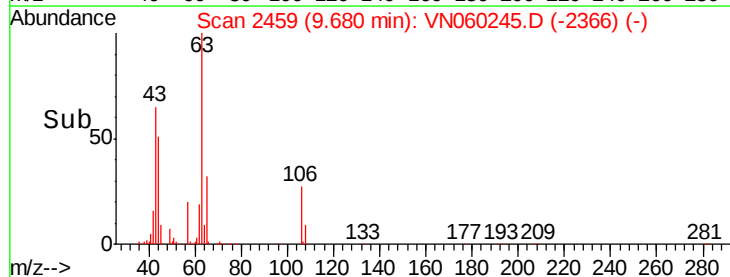
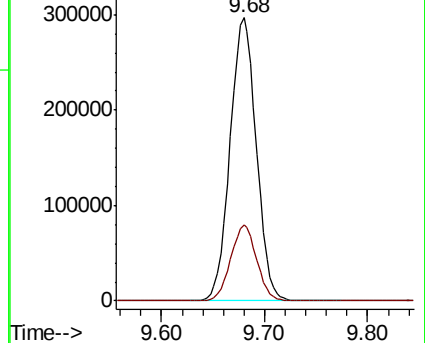
63 100

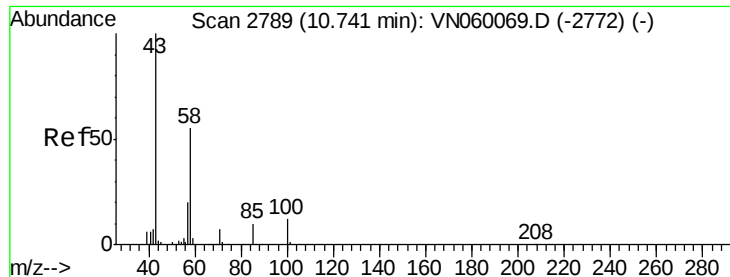
106 26.5 22.9 34.3



Abundance Ion 62.90 (62.60 to 63.60): VN060245.D (-2366) (-)

Ion 105.90 (105.60 to 106.60): VN060245.D (-2366) (-)

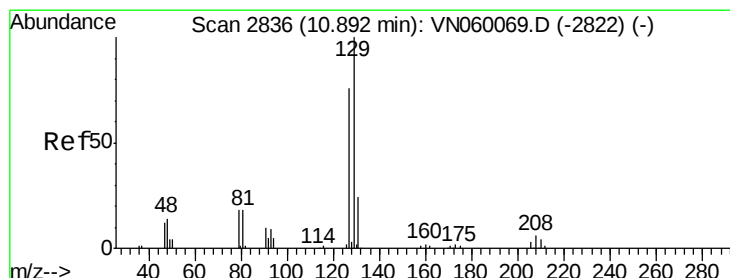
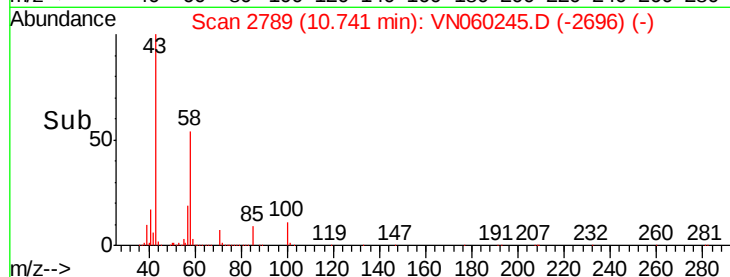
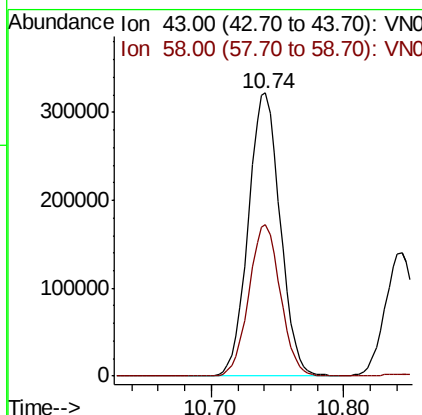
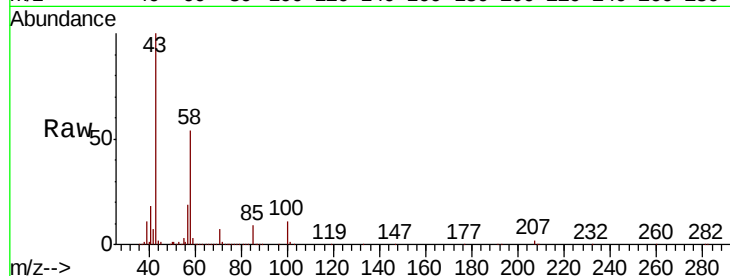




#59
2-Hexanone
Concen: 235.618 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN060245.D
Acq: 26 Feb 2020 11:19

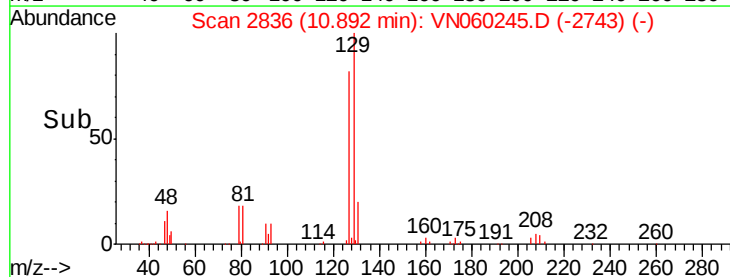
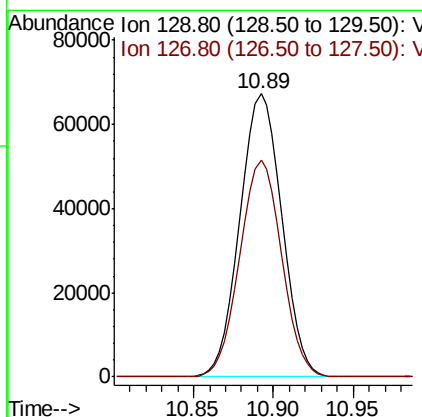
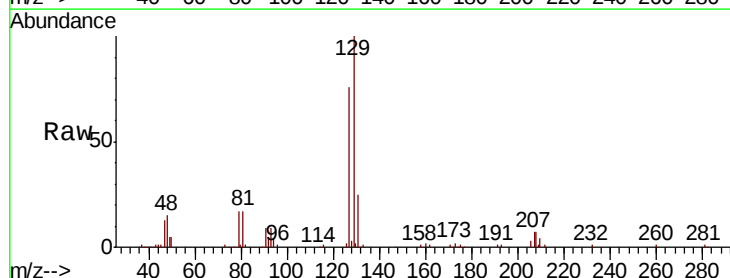
Instrument :
MSVOA_N
ClientSampled :

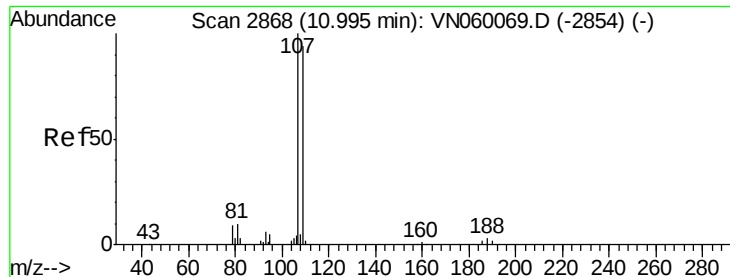
Tot Ion: 43 Resp: 535660
Ion Ratio Lower Upper
43 100
58 53.2 27.5 82.4



#60
Dibromochloromethane
Concen: 43.012 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN060245.D
Acq: 26 Feb 2020 11:19

Tgt Ion: 129 Resp: 120552
Ion Ratio Lower Upper
129 100
127 76.2 38.0 114.1

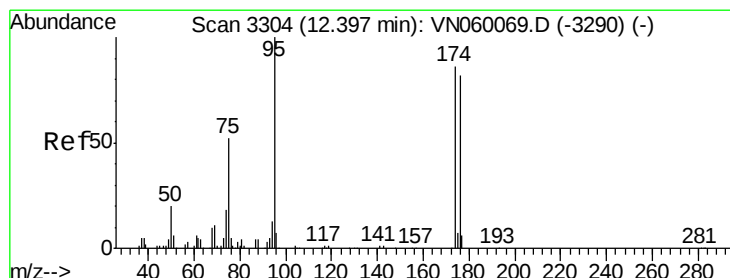
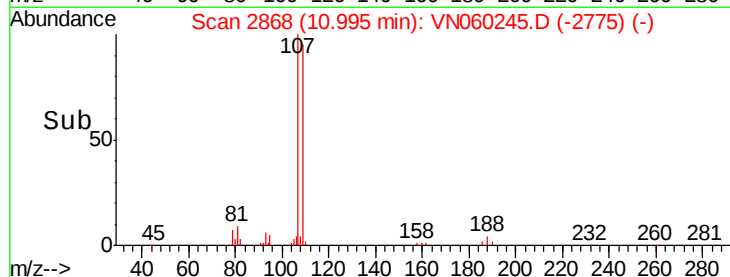
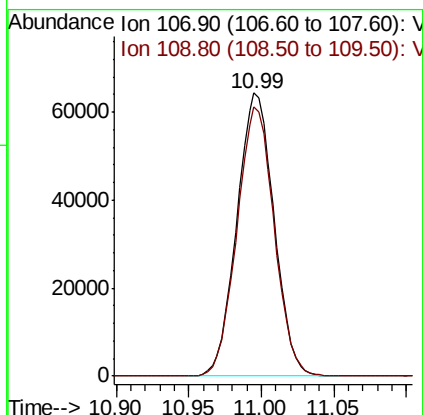
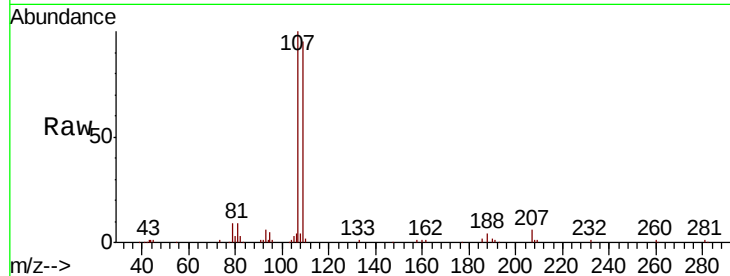




#61
 1,2-Dibromoethane
 Concen: 44.764 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060245.D
 Acq: 26 Feb 2020 11:19

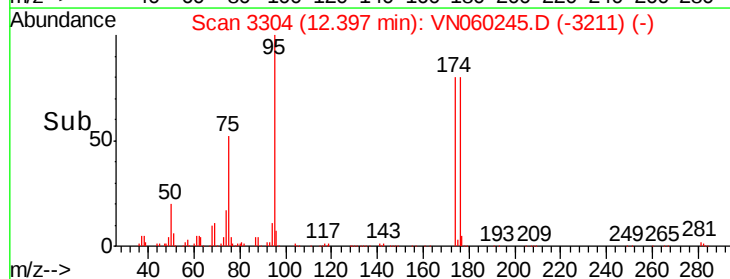
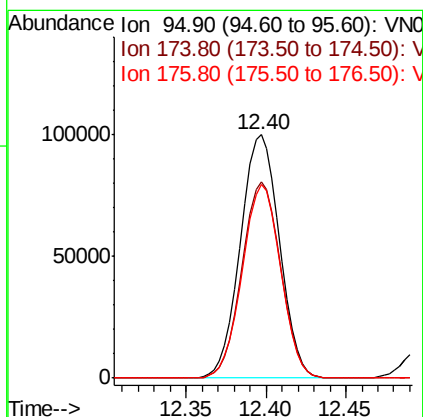
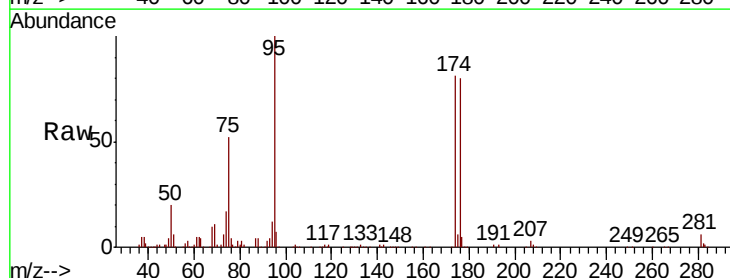
Instrument :
 MSVOA_N
 ClientSampleId :

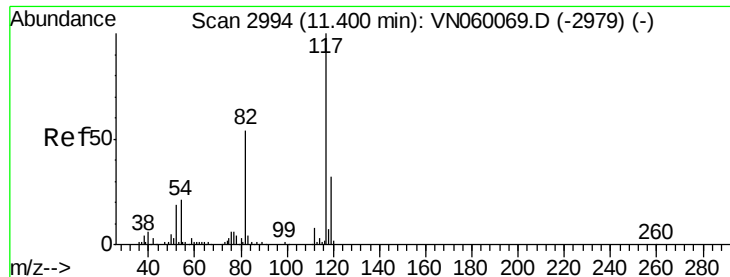
Tot Ion:107 Resp: 114612
 Ion Ratio Lower Upper
 107 100
 109 95.1 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 52.627 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN060245.D
 Acq: 26 Feb 2020 11:19

Tgt Ion: 95 Resp: 166329
 Ion Ratio Lower Upper
 95 100
 174 80.2 0.0 169.8
 176 78.5 0.0 164.8

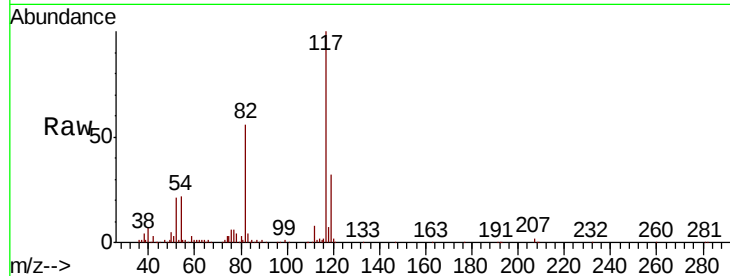




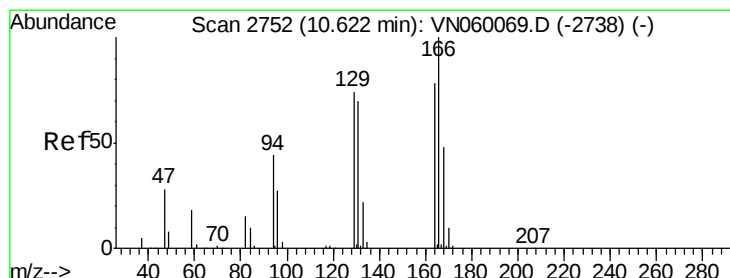
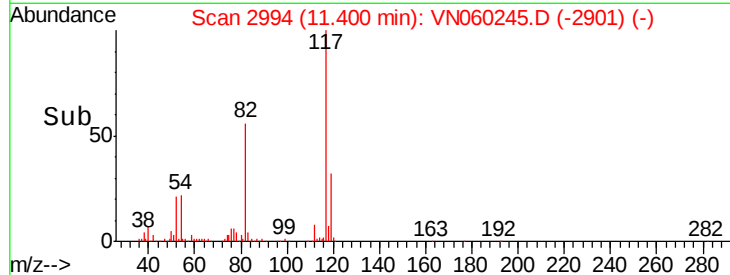
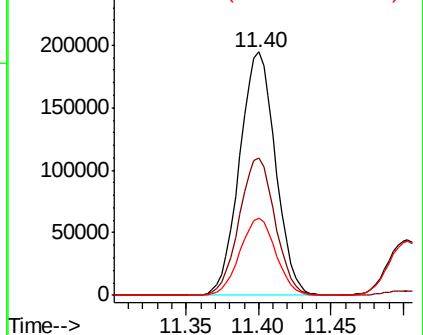
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060245.D
Acq: 26 Feb 2020 11:19

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 335358
Ion Ratio Lower Upper
117 100
82 56.3 43.4 65.0
119 31.9 25.8 38.6

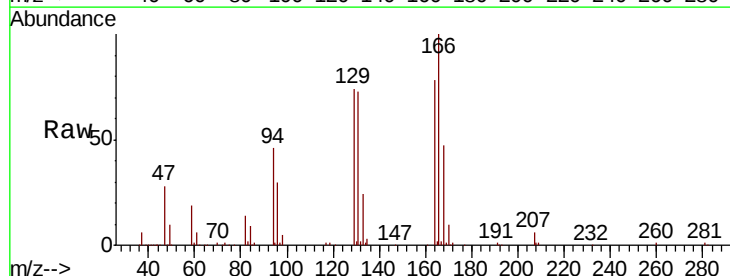


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

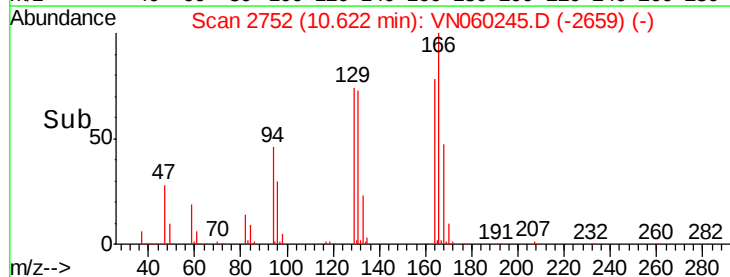
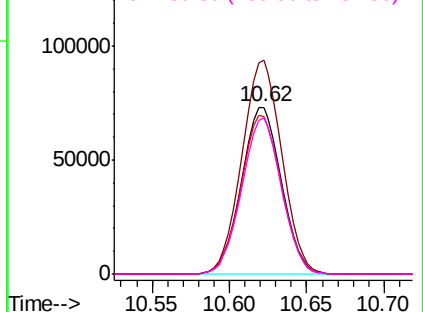


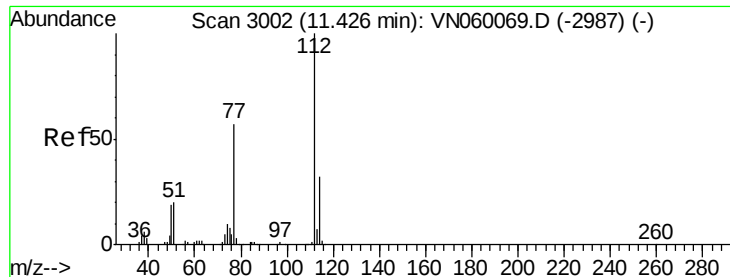
#64
Tetrachloroethene
Concen: 51.640 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN060245.D
Acq: 26 Feb 2020 11:19

Tgt Ion:164 Resp: 131648
Ion Ratio Lower Upper
164 100
166 128.0 101.9 152.9
129 94.5 75.4 113.0
131 93.8 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

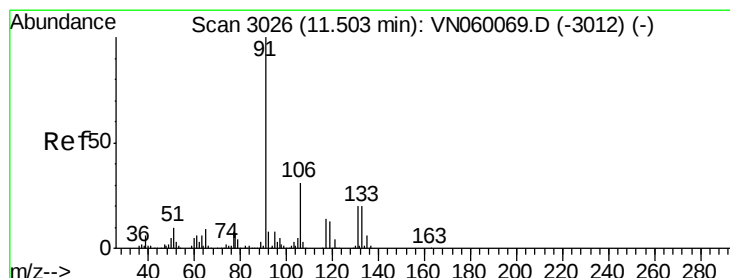
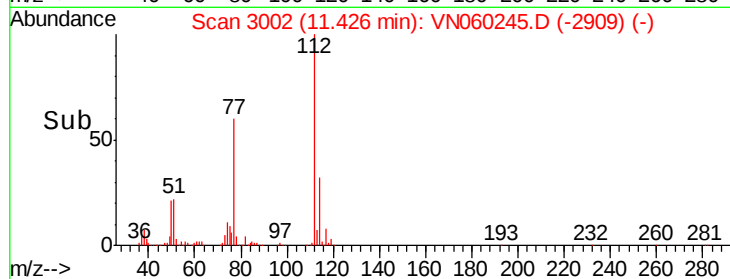
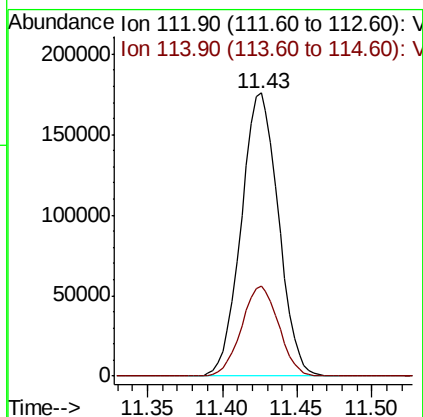
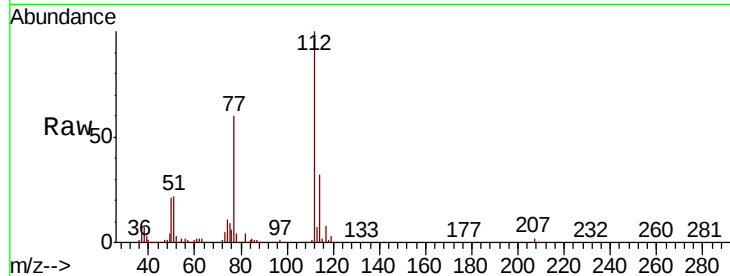




#65
Chlorobenzene
Concen: 44.603 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN060245.D
Acq: 26 Feb 2020 11:19

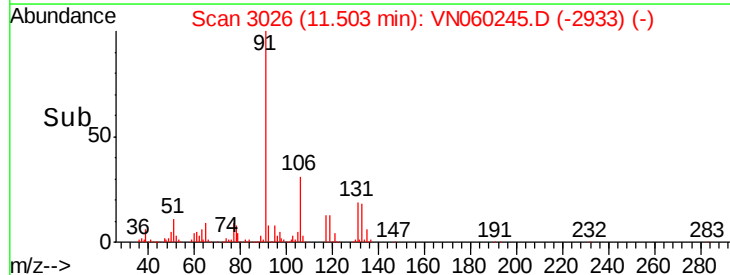
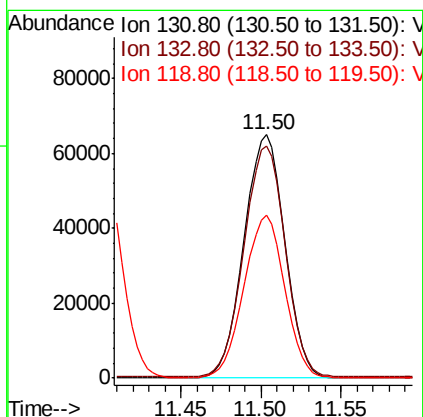
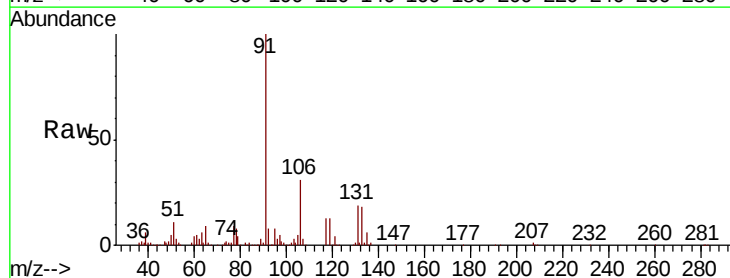
Instrument :
MSVOA_N
ClientSampleId :

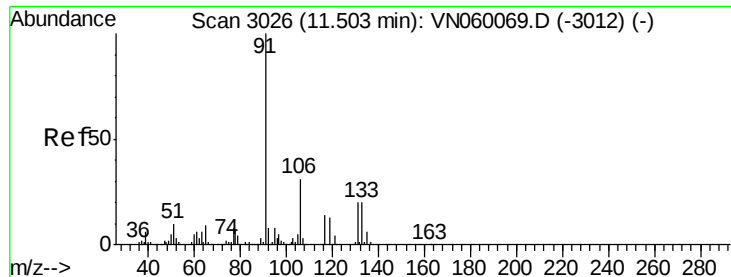
Tot Ion:112 Resp: 304746
Ion Ratio Lower Upper
112 100
114 31.7 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 44.007 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN060245.D
Acq: 26 Feb 2020 11:19

Tgt Ion:131 Resp: 113744
Ion Ratio Lower Upper
131 100
133 95.5 47.9 143.7
119 66.8 32.6 97.7





#67

Ethyl Benzene

Concen: 45.543 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN060245.D

Acq: 26 Feb 2020 11:19

Instrument :

MSVOA_N

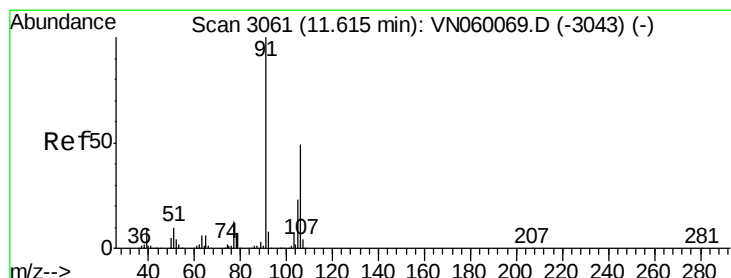
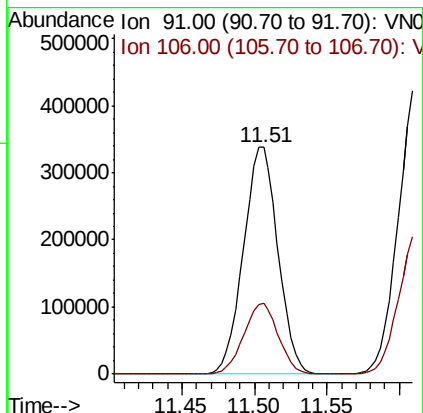
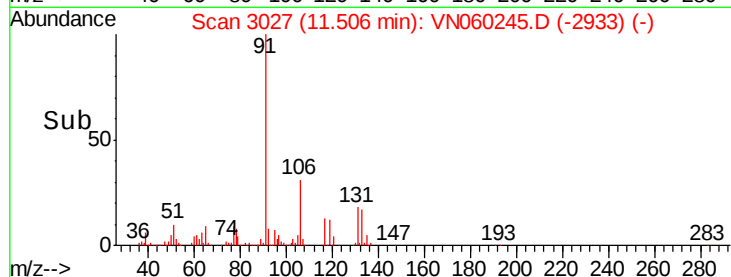
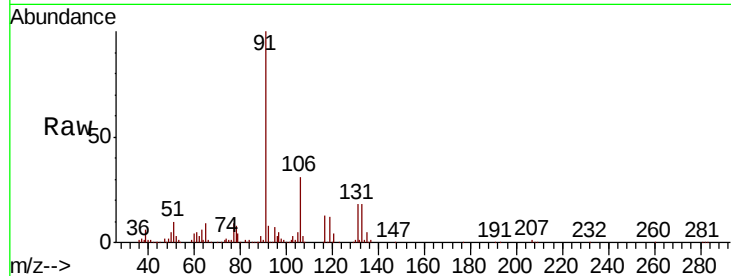
ClientSampled :

Tot Ion: 91 Resp: 561213

Ion Ratio Lower Upper

91 100

106 31.1 25.1 37.7



#68

m/p-Xylenes

Concen: 91.597 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN060245.D

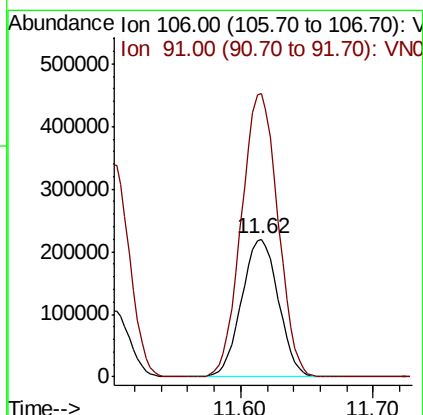
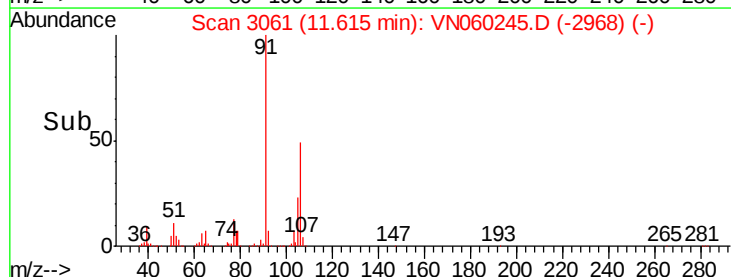
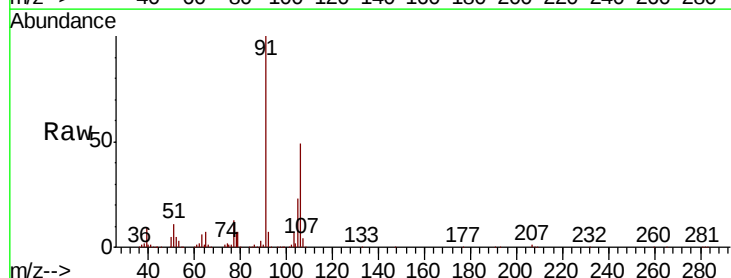
Acq: 26 Feb 2020 11:19

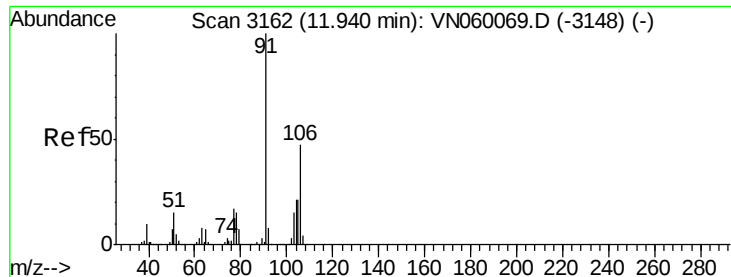
Tgt Ion: 106 Resp: 423629

Ion Ratio Lower Upper

106 100

91 205.1 162.7 244.1

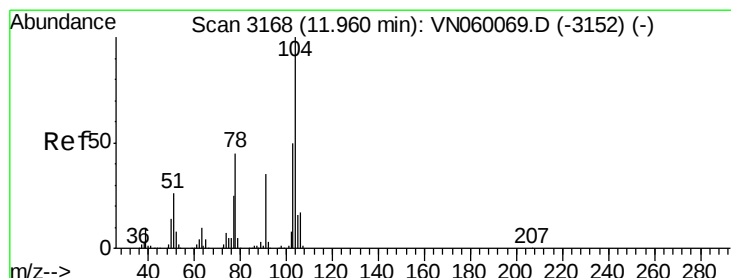
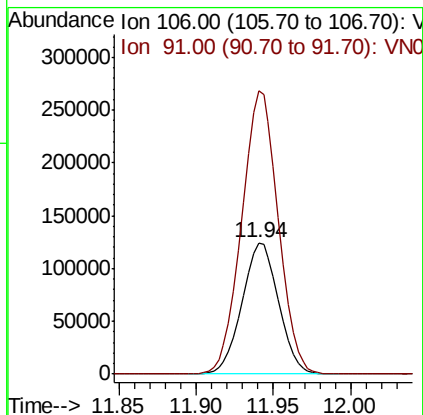
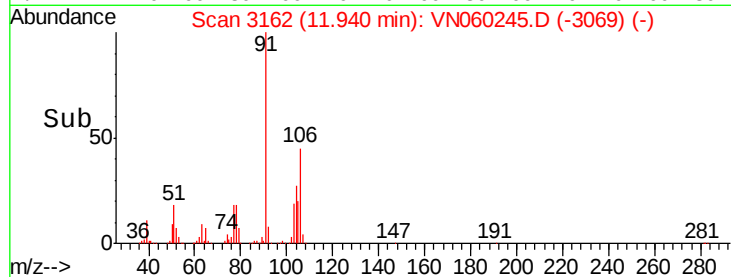
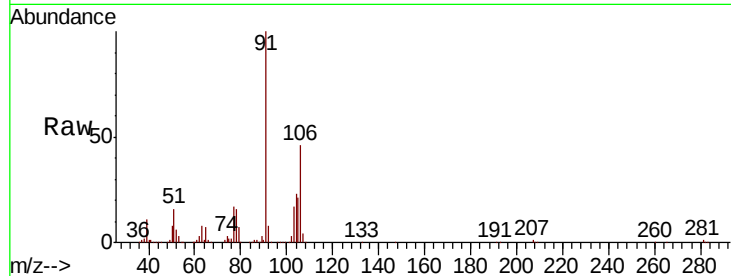




#69
o-Xylene
Concen: 45.893 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060245.D
Acq: 26 Feb 2020 11:19

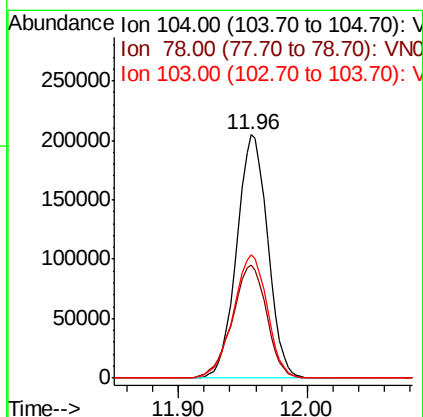
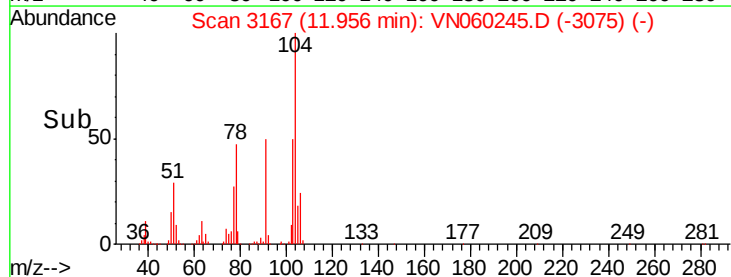
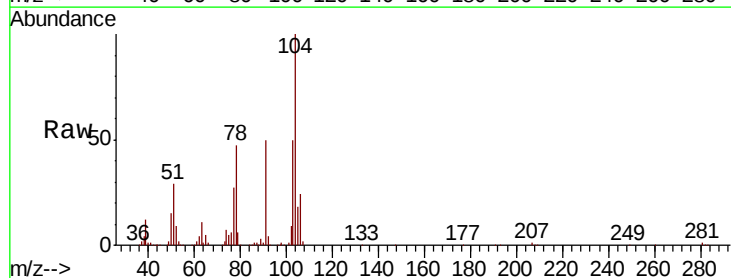
Instrument :
MSVOA_N
ClientSampled :

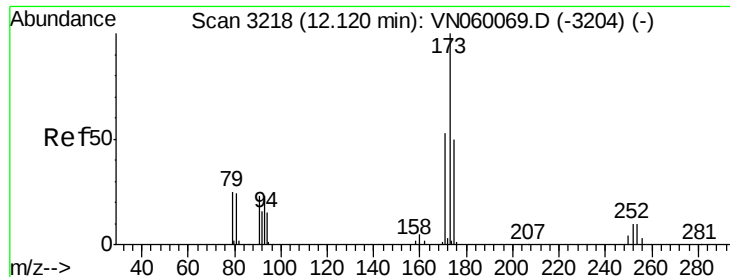
Tot Ion:106 Resp: 204364
Ion Ratio Lower Upper
106 100
91 215.6 107.2 321.6



#70
Styrene
Concen: 47.762 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060245.D
Acq: 26 Feb 2020 11:19

Tgt Ion:104 Resp: 342972
Ion Ratio Lower Upper
104 100
78 51.3 40.2 60.2
103 55.4 44.3 66.5

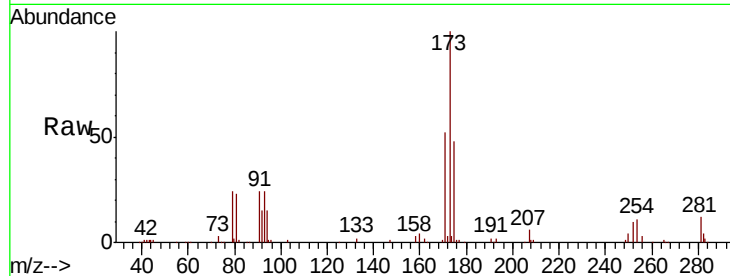




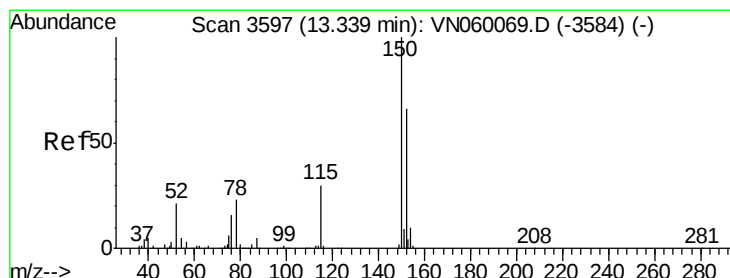
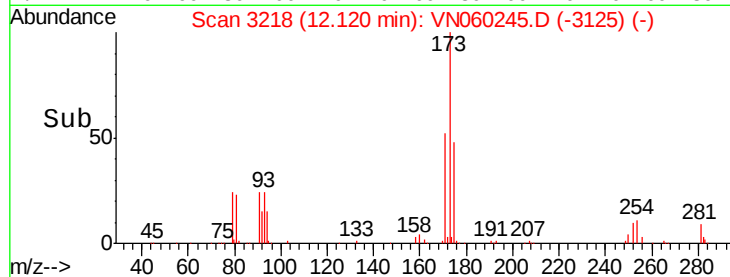
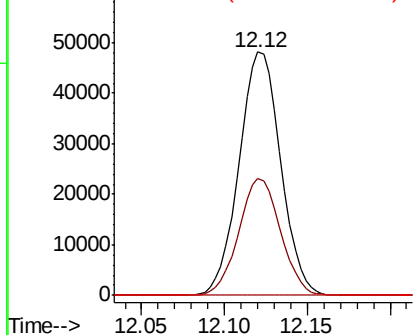
#71
Bromoform
Concen: 40.413 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. -0.00 min
Lab File: VN060245.D
Acq: 26 Feb 2020 11:19

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:173 Resp: 84014
Ion Ratio Lower Upper
173 100
175 48.1 24.9 74.6
254 0.0 0.0 0.0

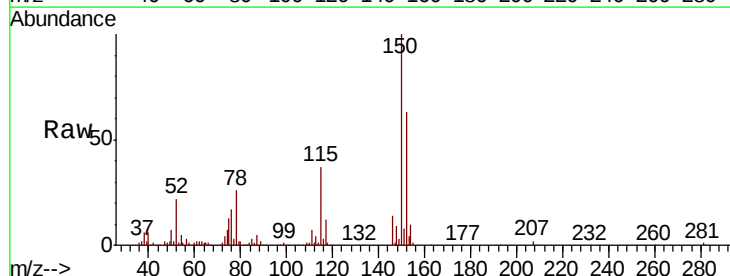


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

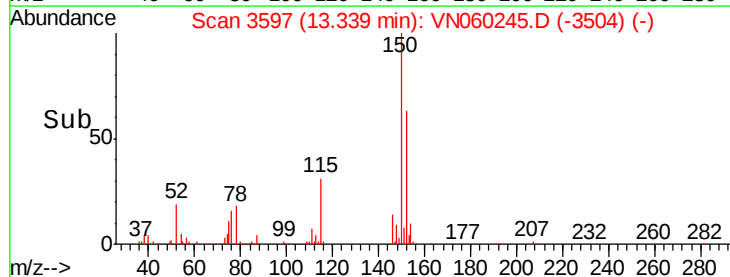
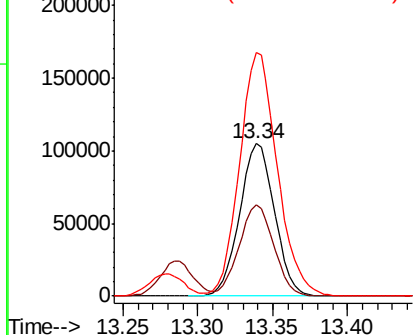


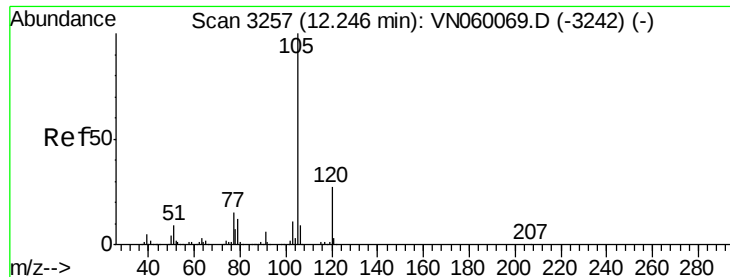
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060245.D
Acq: 26 Feb 2020 11:19

Tgt Ion:152 Resp: 170231
Ion Ratio Lower Upper
152 100
115 59.7 28.9 86.8
150 172.7 0.0 342.4



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





#73

Isopropylbenzene

Concen: 43.592 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN060245.D

Acq: 26 Feb 2020 11:19

Instrument :

MSVOA_N

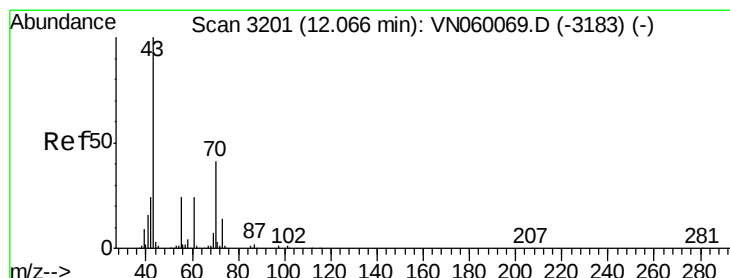
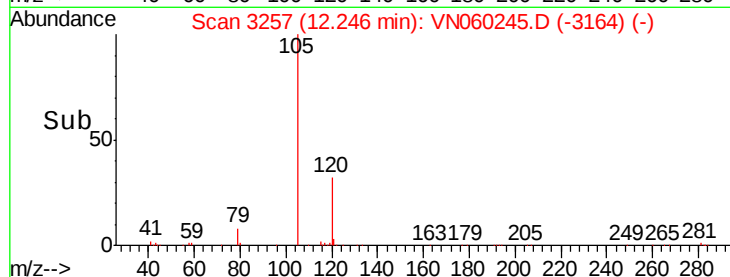
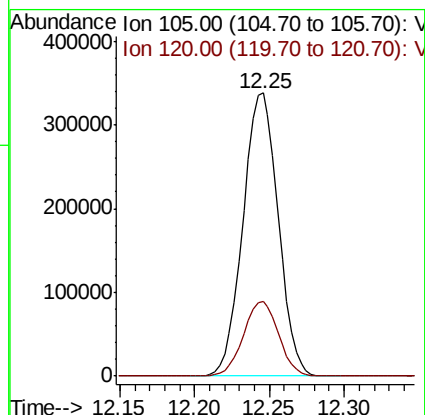
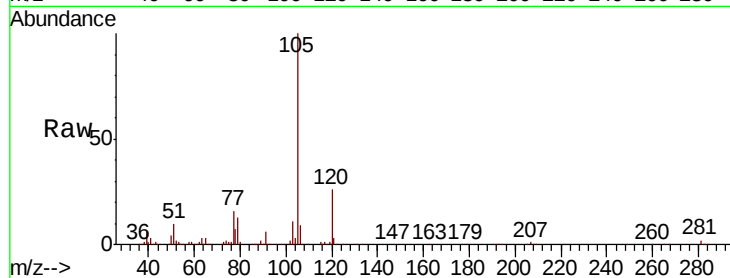
ClientSampleId :

Tot Ion:105 Resp: 554135

Ion Ratio Lower Upper

105 100

120 26.3 13.3 39.8



#74

N-ethyl acetate

Concen: 51.964 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060245.D

Acq: 26 Feb 2020 11:19

Tgt Ion: 43 Resp: 238195

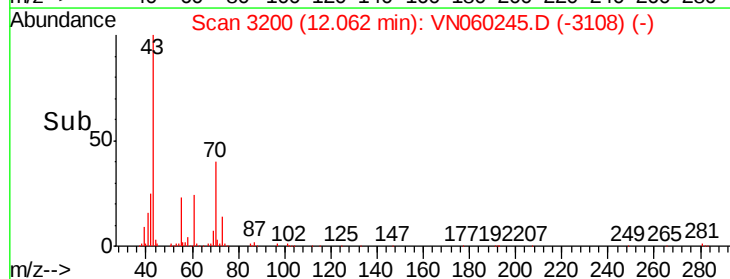
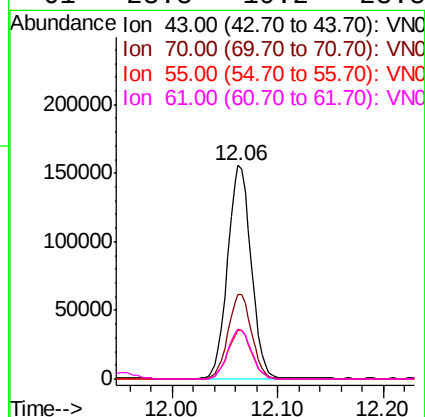
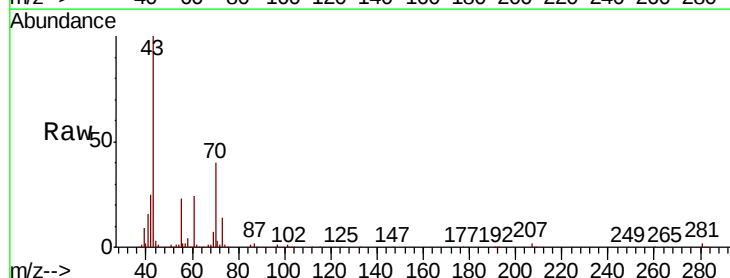
Ion Ratio Lower Upper

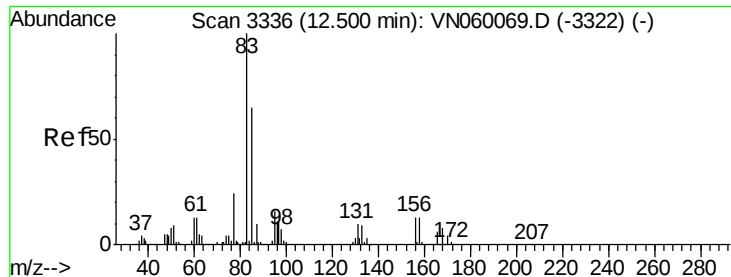
43 100

70 40.0 33.4 50.0

55 22.9 18.8 28.2

61 23.8 19.2 28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 40.475 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060245.D

Acq: 26 Feb 2020 11:19

Instrument :

MSVOA_N

ClientSampleId :

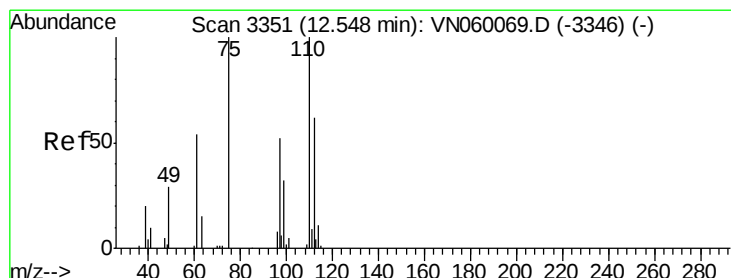
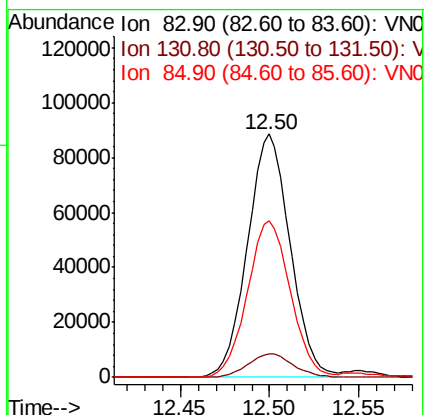
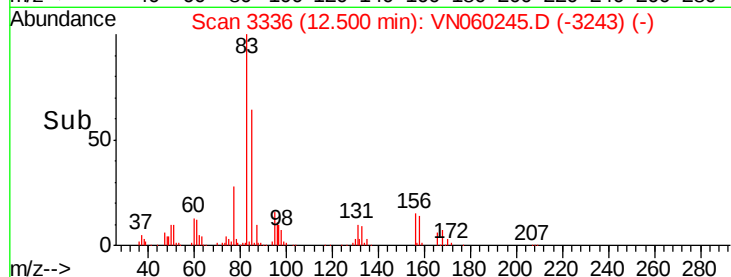
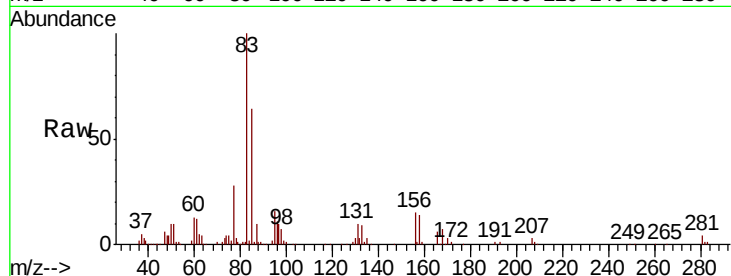
Tot Ion: 83 Resp: 148095

Ion Ratio Lower Upper

83 100

131 10.1 5.2 15.6

85 64.9 32.3 96.9



#76

1,2,3-Trichloropropane

Concen: 68.064 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VN060245.D

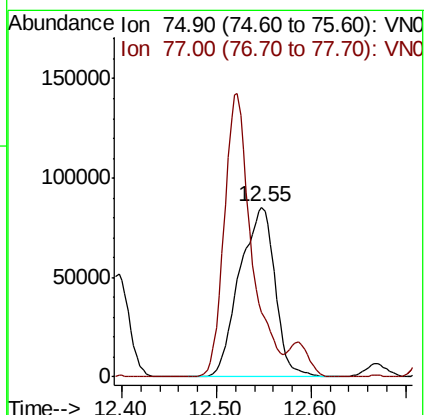
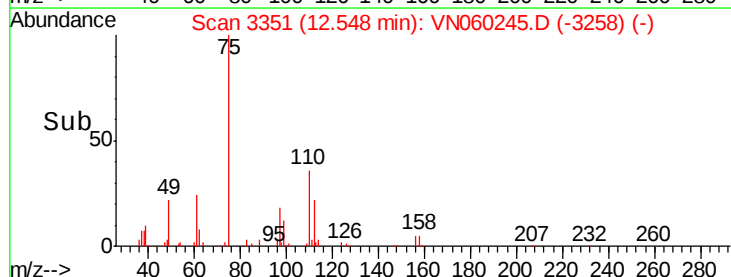
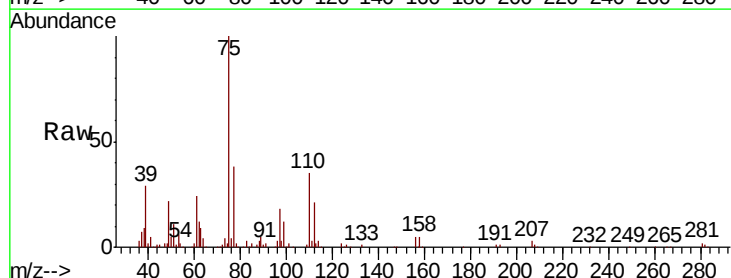
Acq: 26 Feb 2020 11:19

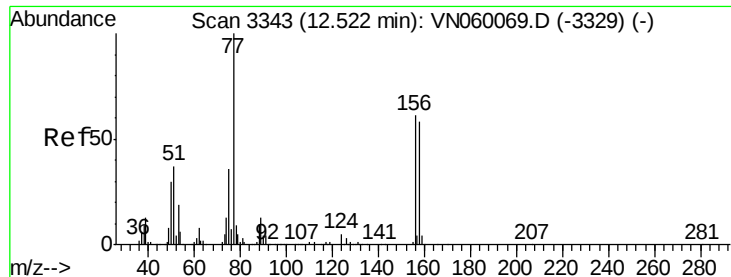
Tgt Ion: 75 Resp: 221677

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 43.002 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN060245.D

Acq: 26 Feb 2020 11:19

Instrument :

MSVOA_N

ClientSampleId :

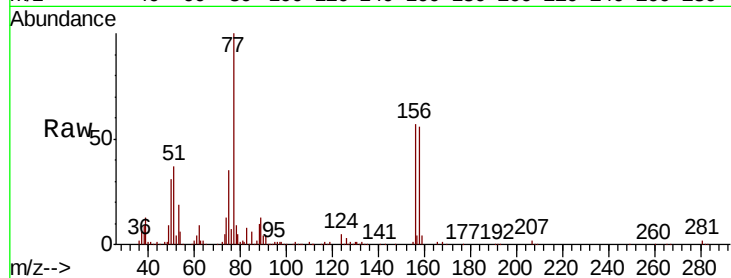
Tot Ion:156 Resp: 135660

Ion Ratio Lower Upper

156 100

77 210.8 98.7 296.1

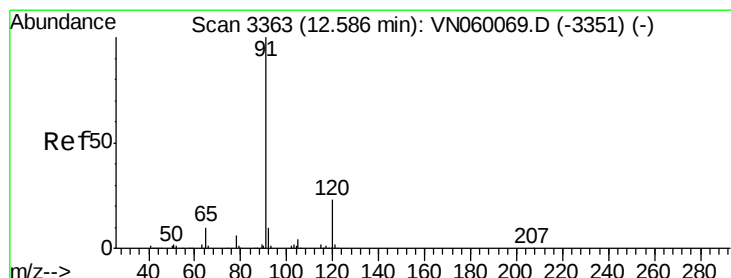
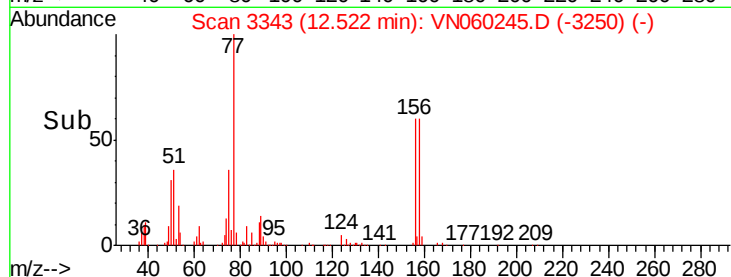
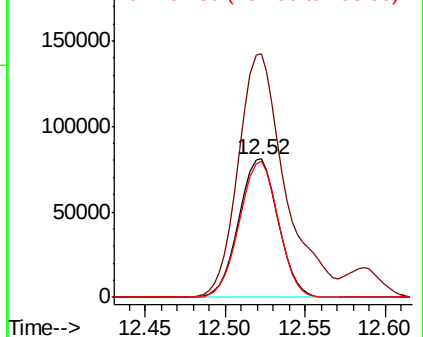
158 97.3 48.1 144.4



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: 45.283 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN060245.D

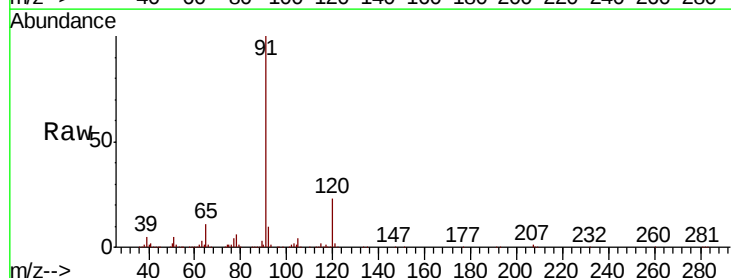
Acq: 26 Feb 2020 11:19

Tgt Ion: 91 Resp: 655840

Ion Ratio Lower Upper

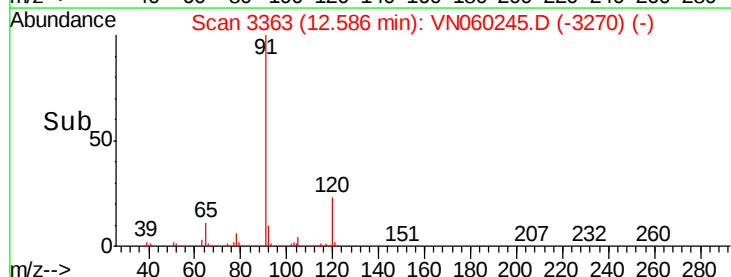
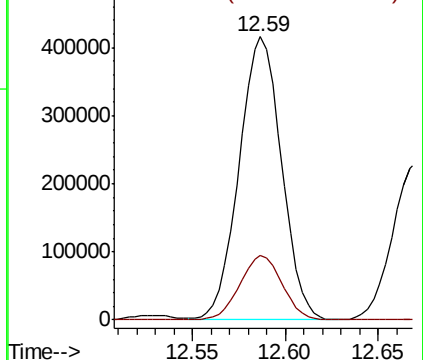
91 100

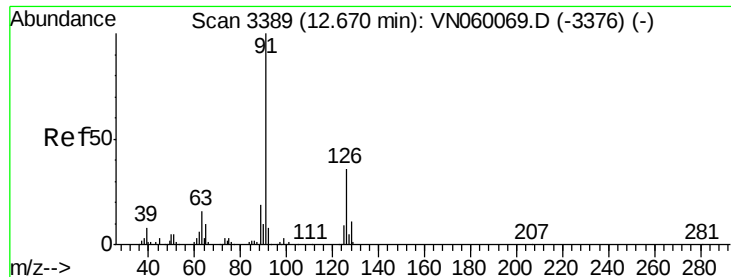
120 22.7 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

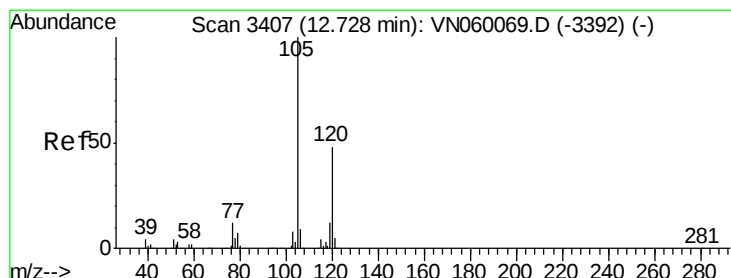
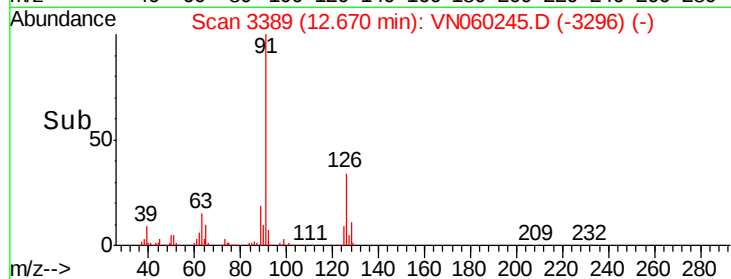
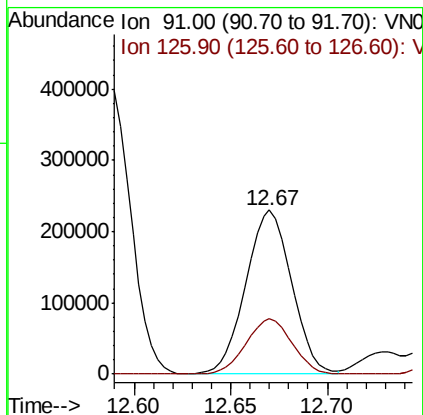
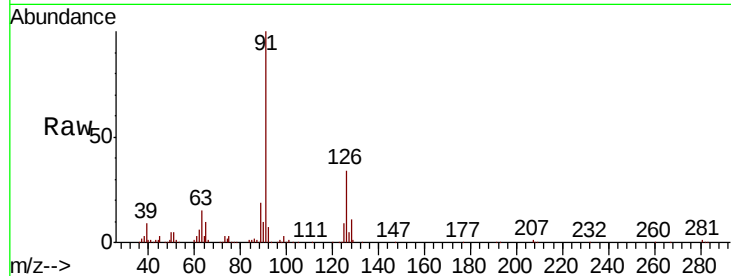




#79
2-Chlorotoluene
Concen: 44.451 ug/l
RT: 12.67 min Scan# 3389
Delta R.T. -0.00 min
Lab File: VN060245.D
Acq: 26 Feb 2020 11:19

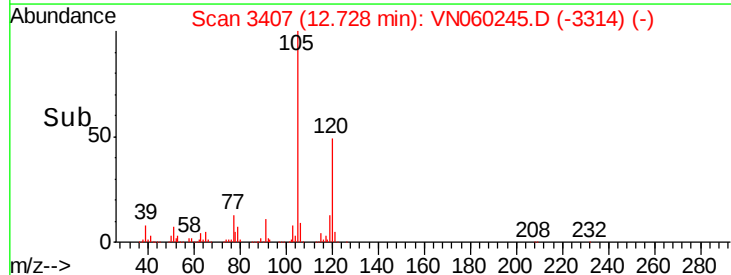
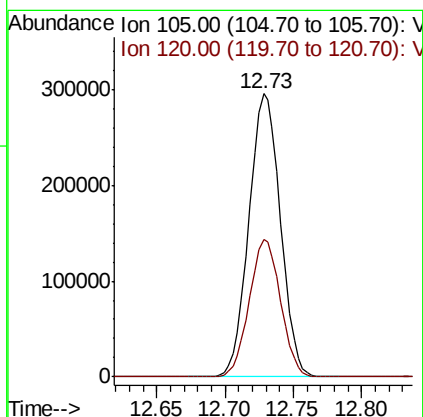
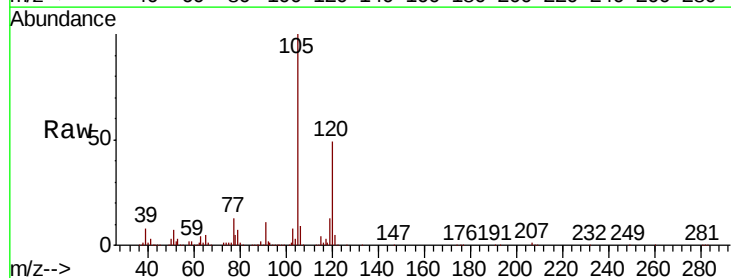
Instrument :
MSVOA_N
ClientSampled :

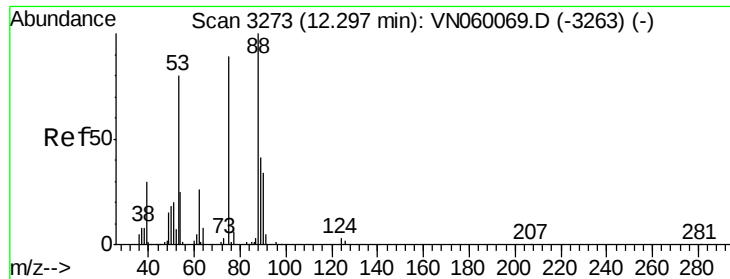
Tot Ion: 91 Resp: 378404
Ion Ratio Lower Upper
91 100
126 34.0 17.4 52.2



#80
1,3,5-Trimethylbenzene
Concen: 44.766 ug/l
RT: 12.73 min Scan# 3407
Delta R.T. -0.00 min
Lab File: VN060245.D
Acq: 26 Feb 2020 11:19

Tgt Ion: 105 Resp: 473147
Ion Ratio Lower Upper
105 100
120 48.3 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 46.701 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. -0.00 min

Lab File: VN060245.D

Acq: 26 Feb 2020 11:19

Instrument :

MSVOA_N

ClientSampleId :

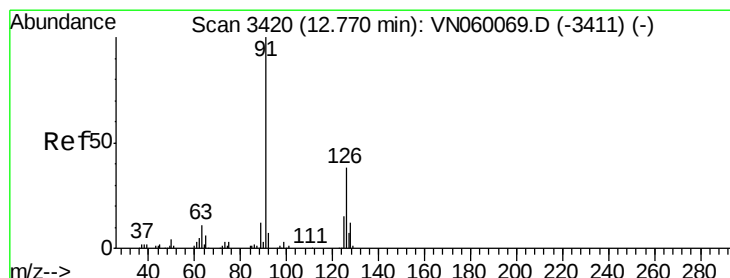
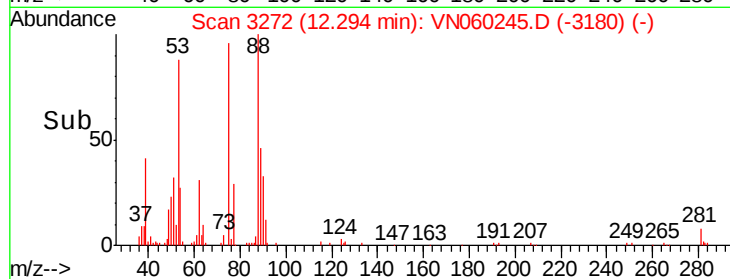
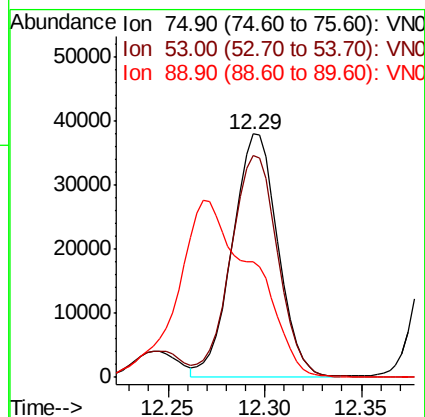
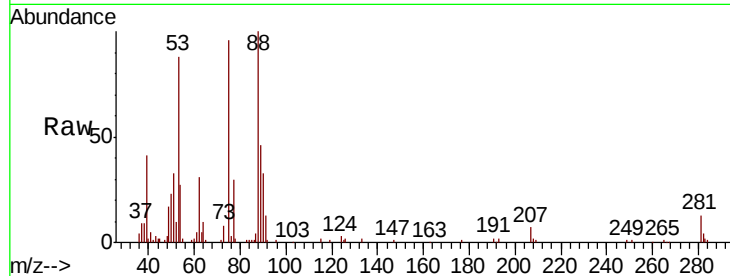
Tot Ion: 75 Resp: 62119

Ion Ratio Lower Upper

75 100

53 94.7 73.9 110.9

89 0.0 37.0 55.4#



#82

4-Chlorotoluene

Concen: 45.607 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN060245.D

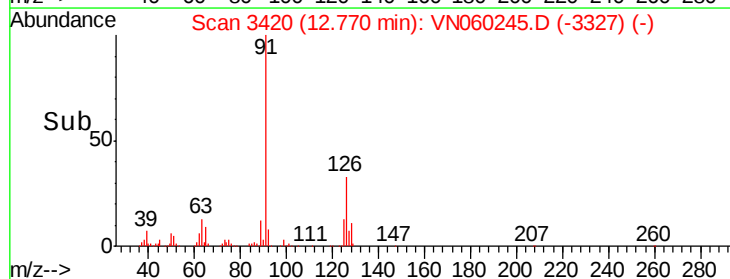
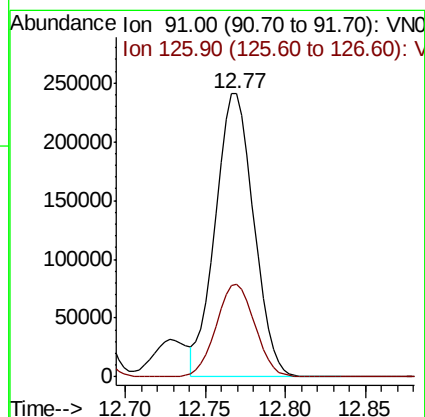
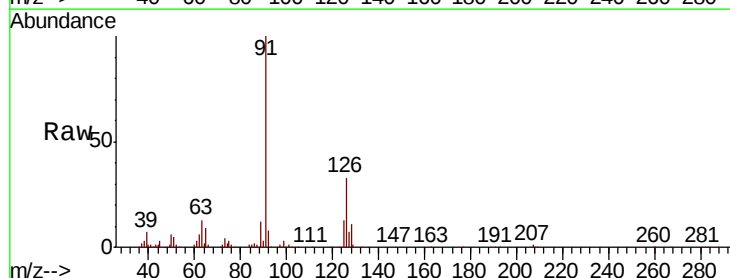
Acq: 26 Feb 2020 11:19

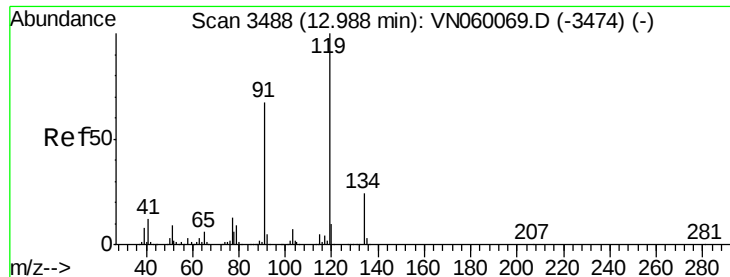
Tgt Ion: 91 Resp: 398317

Ion Ratio Lower Upper

91 100

126 32.8 17.1 51.3





#83

tert-Butylbenzene

Concen: 43.797 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. -0.00 min

Lab File: VN060245.D

Acq: 26 Feb 2020 11:19

Instrument :

MSVOA_N

ClientSampleId :

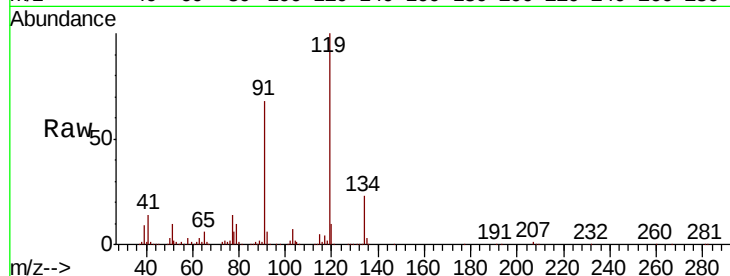
Tot Ion:119 Resp: 409498

Ion Ratio Lower Upper

119 100

91 65.8 32.7 98.1

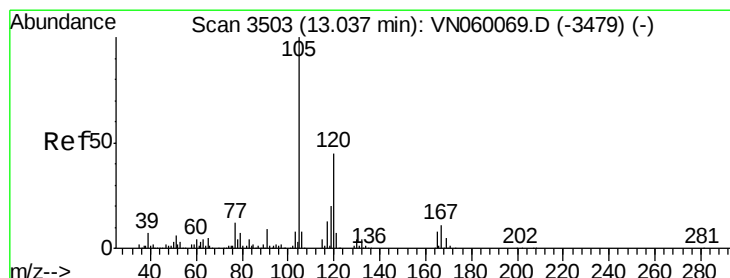
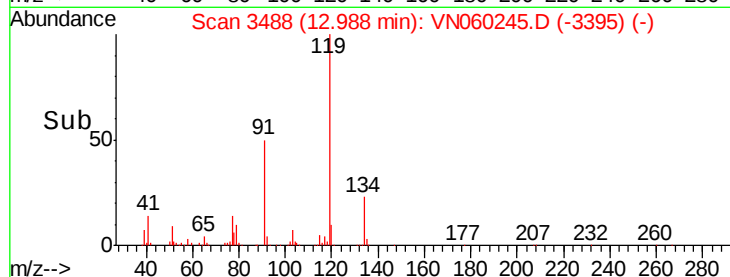
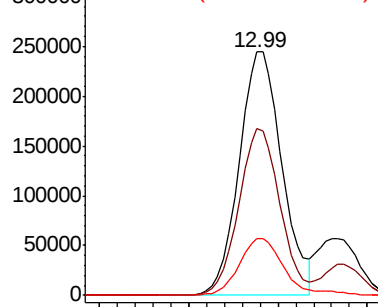
134 24.6 12.9 38.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 45.910 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. -0.00 min

Lab File: VN060245.D

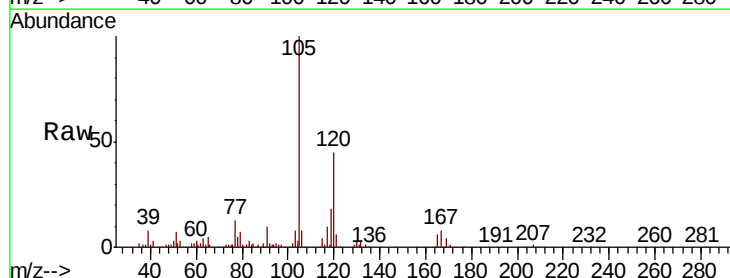
Acq: 26 Feb 2020 11:19

Tgt Ion:105 Resp: 478993

Ion Ratio Lower Upper

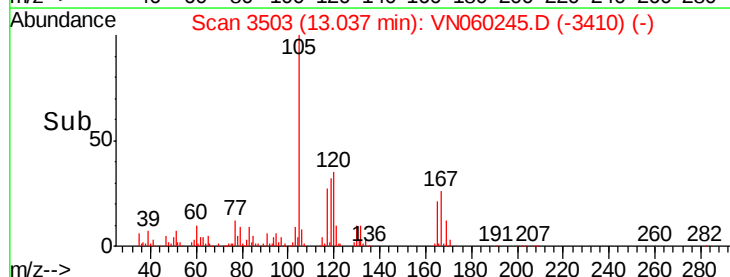
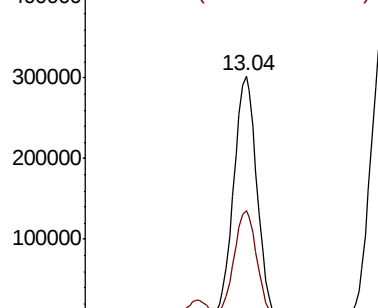
105 100

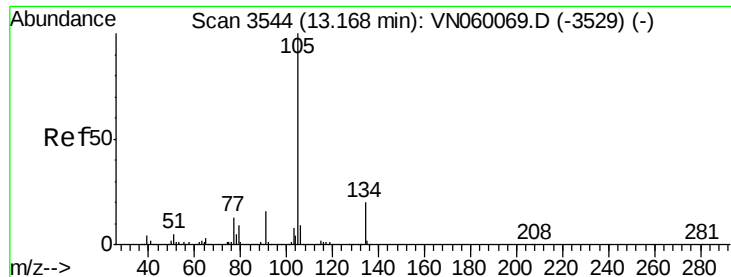
120 44.6 22.4 67.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 44.500 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN060245.D

Acq: 26 Feb 2020 11:19

Instrument :

MSVOA_N

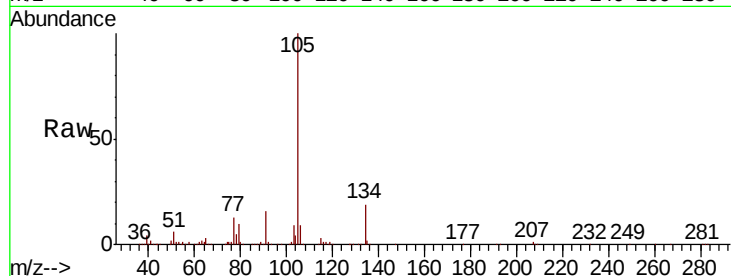
ClientSampleId :

Tot Ion:105 Resp: 551027

Ion Ratio Lower Upper

105 100

134 19.5 9.9 29.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

400000

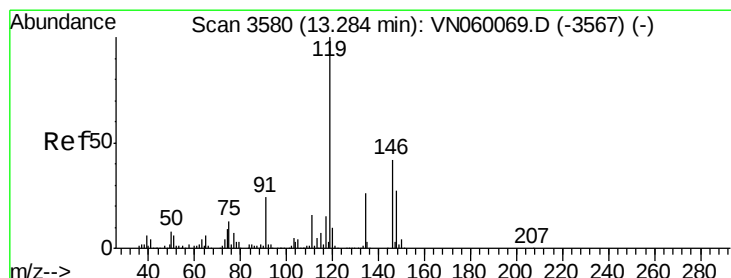
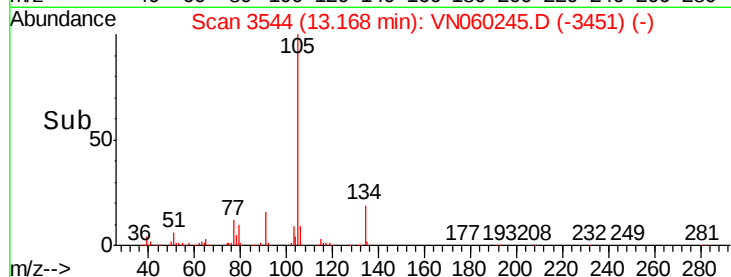
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 45.384 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN060245.D

Acq: 26 Feb 2020 11:19

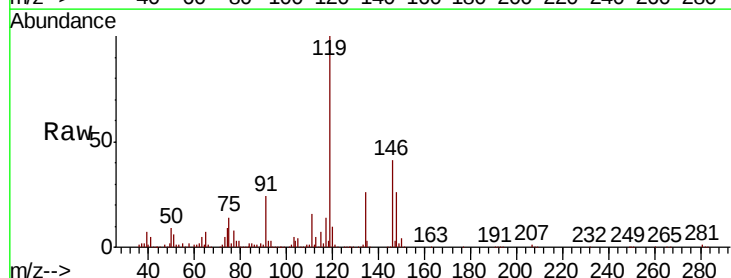
Tgt Ion:119 Resp: 509167

Ion Ratio Lower Upper

119 100

134 25.9 13.3 39.8

91 24.2 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

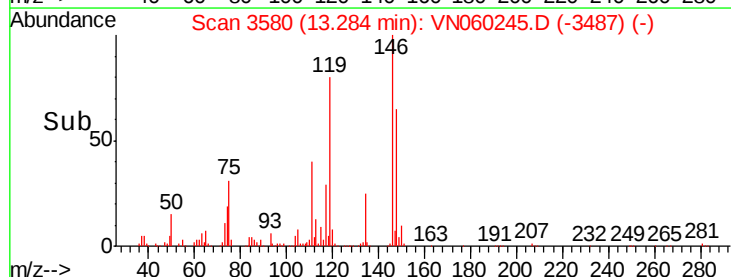
300000

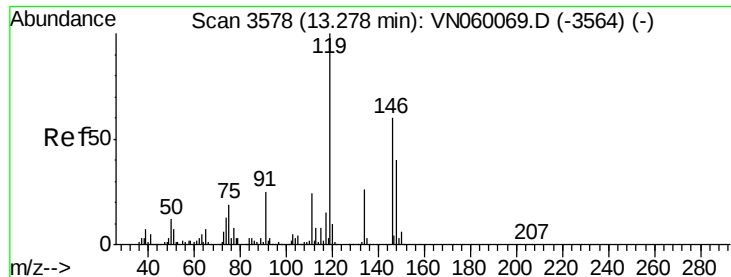
200000

100000

0

Time-->

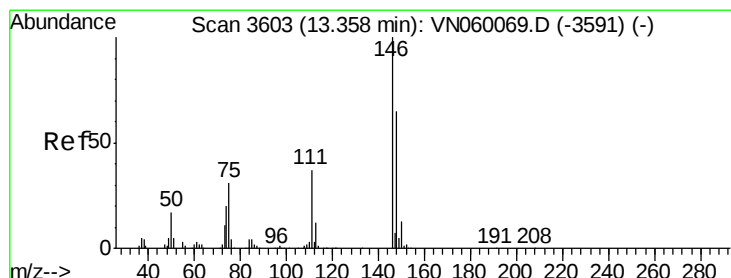
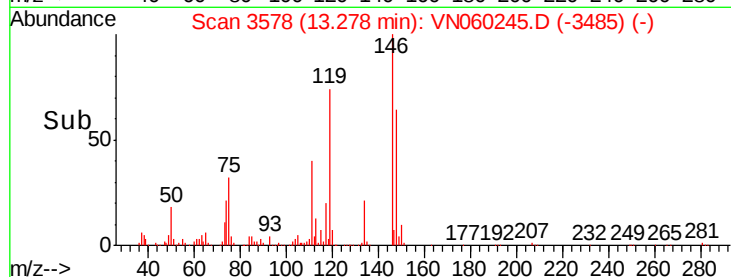
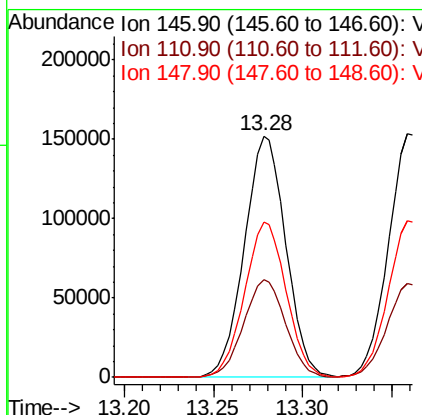
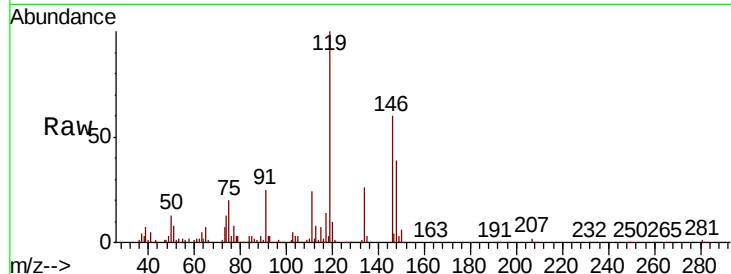




#87
 1,3-Dichlorobenzene
 Concen: 44.369 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. -0.00 min
 Lab File: VN060245.D
 Acq: 26 Feb 2020 11:19

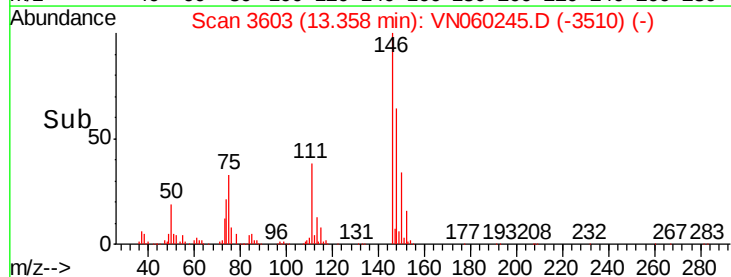
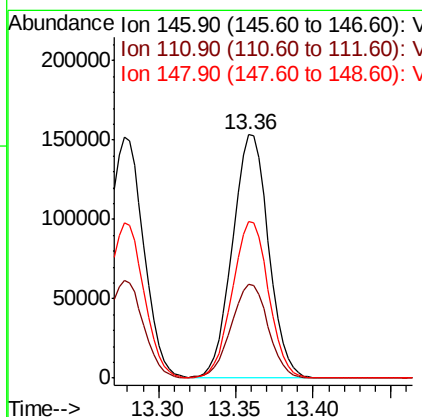
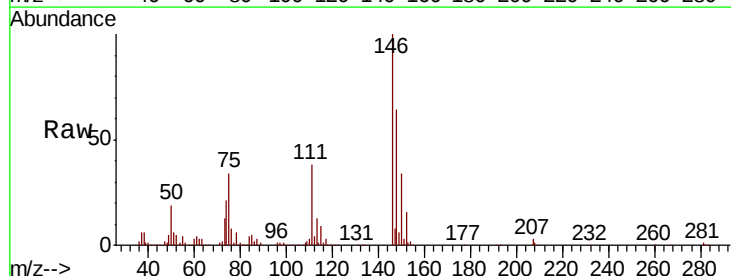
Instrument :
 MSVOA_N
 ClientSampled :

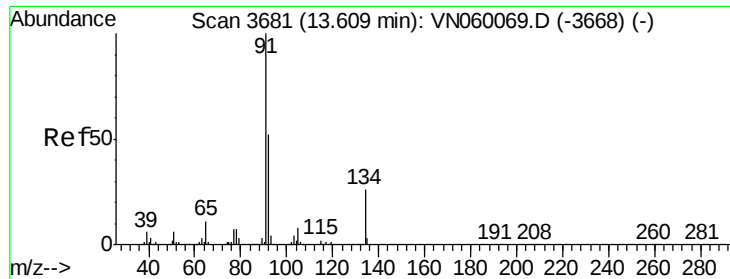
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	19.8	59.3
148	64.5	32.0	96.2



#88
 1,4-Dichlorobenzene
 Concen: 44.544 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN060245.D
 Acq: 26 Feb 2020 11:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	18.9	56.5
148	64.9	32.0	96.0

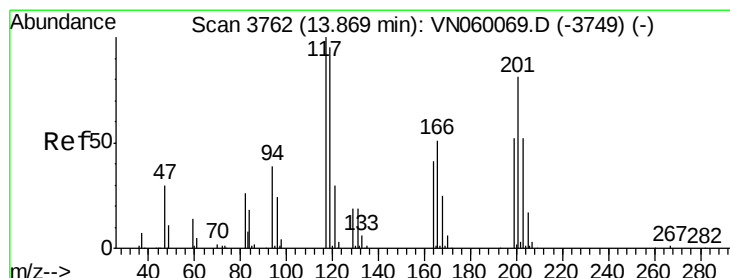
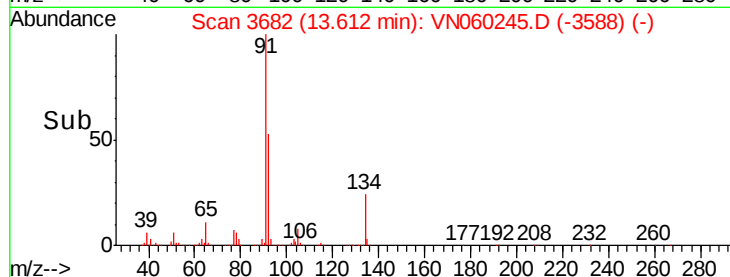
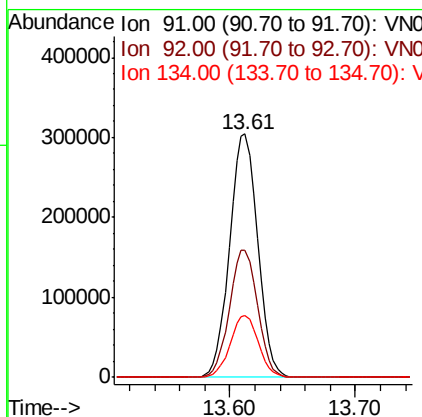
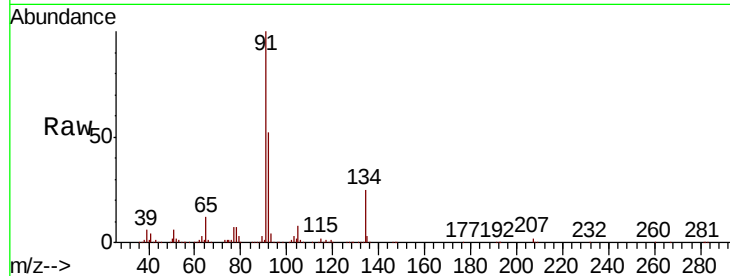




#89
n-Butylbenzene
Concen: 47.974 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060245.D
Acq: 26 Feb 2020 11:19

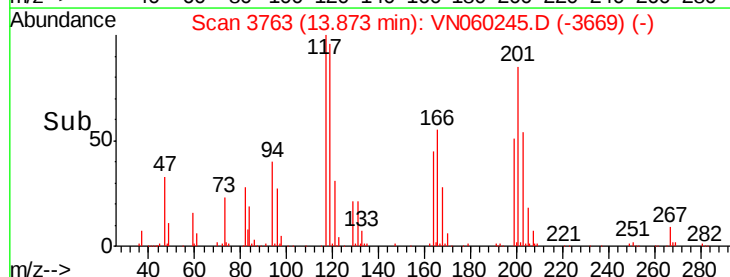
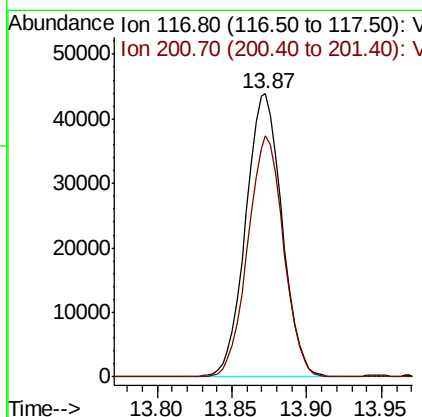
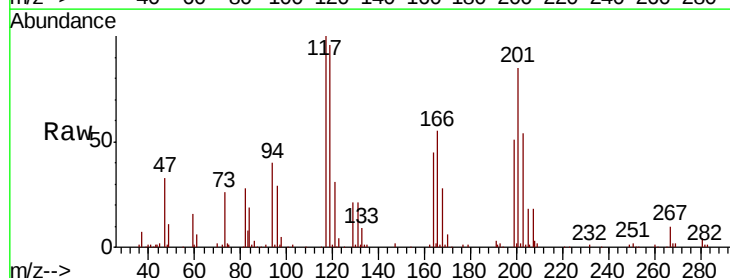
Instrument :
MSVOA_N
ClientSampled :

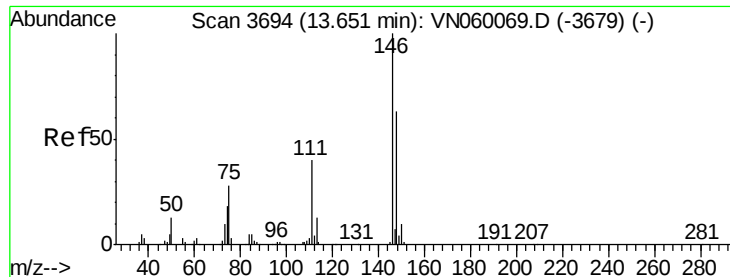
Tot Ion: 91 Resp: 473395
Ion Ratio Lower Upper
91 100
92 52.3 26.1 78.2
134 25.5 13.1 39.3



#90
Hexachloroethane
Concen: 35.388 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN060245.D
Acq: 26 Feb 2020 11:19

Tgt Ion: 117 Resp: 74171
Ion Ratio Lower Upper
117 100
201 83.3 41.7 125.1





#91

1,2-Dichlorobenzene

Concen: 43.249 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN060245.D

Acq: 26 Feb 2020 11:19

Instrument :

MSVOA_N

ClientSampleId :

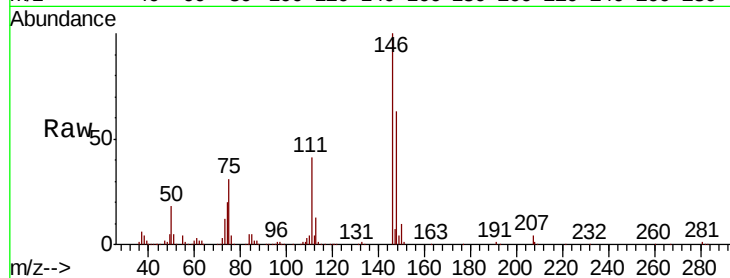
Tot Ion:146 Resp: 236354

Ion Ratio Lower Upper

146 100

111 41.3 20.1 60.2

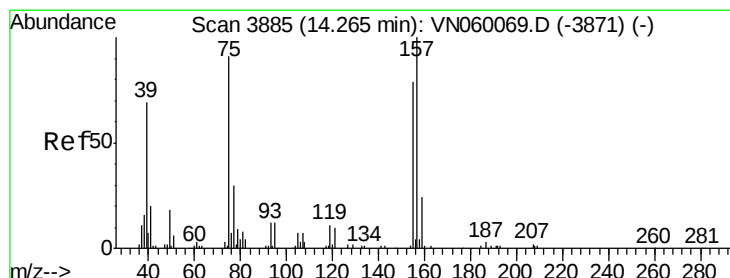
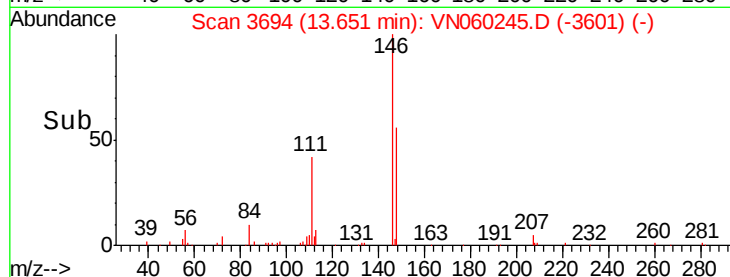
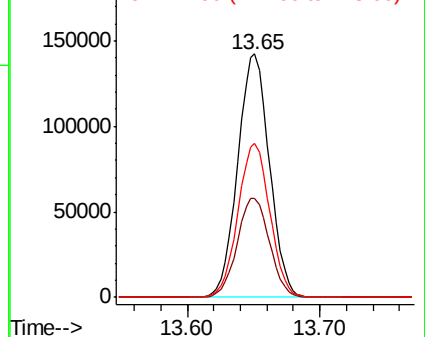
148 63.7 31.9 95.5



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: 42.260 ug/l

RT: 14.26 min Scan# 3885

Delta R.T. 0.00 min

Lab File: VN060245.D

Acq: 26 Feb 2020 11:19

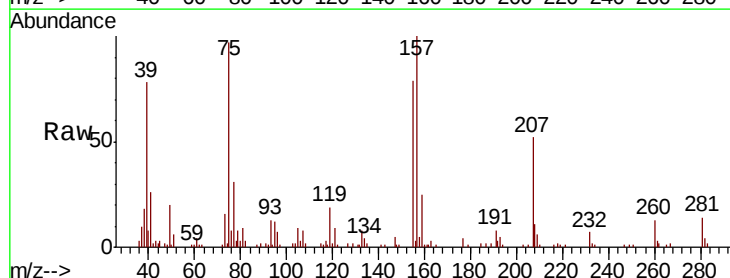
Tgt Ion: 75 Resp: 32971

Ion Ratio Lower Upper

75 100

155 81.1 43.0 129.0

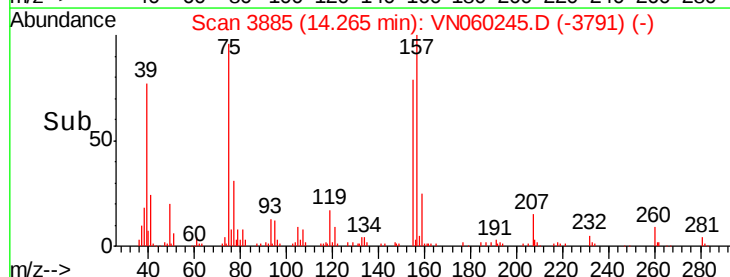
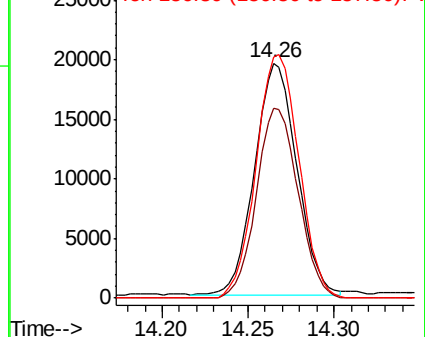
157 106.6 54.9 164.5

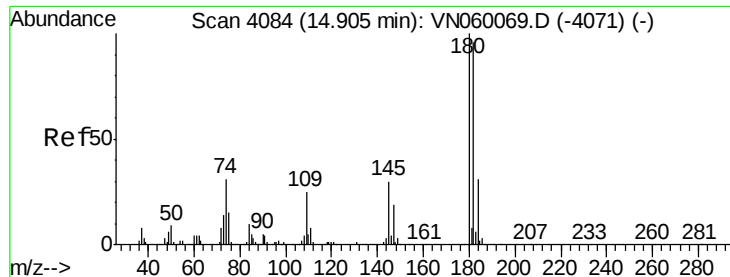


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

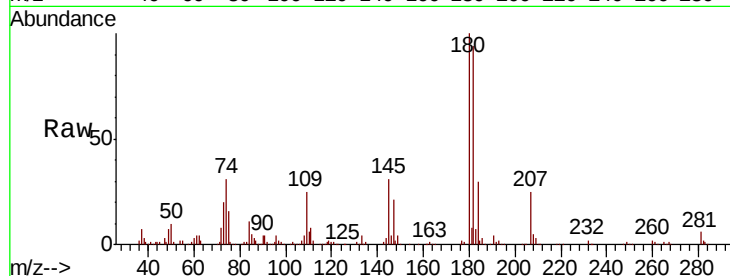




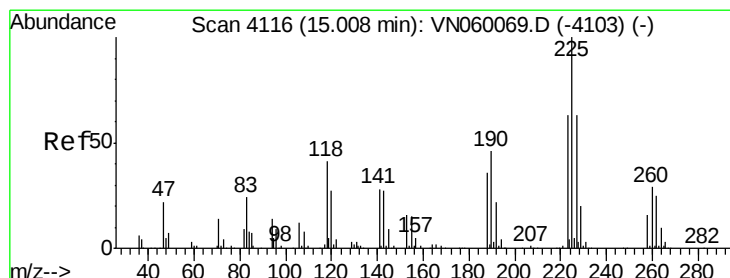
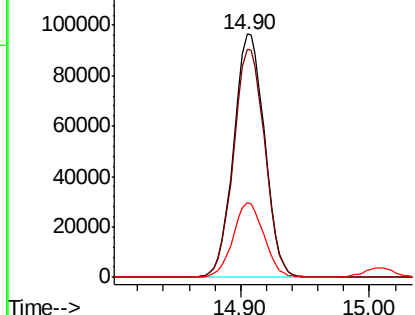
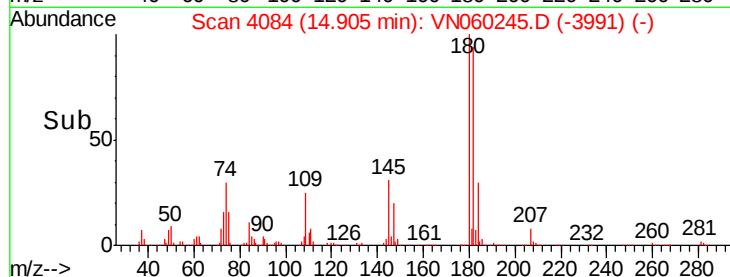
#93
 1,2,4-Trichlorobenzene
 Concen: 50.051 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN060245.D
 Acq: 26 Feb 2020 11:19

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.9	143.8
145	30.8	15.2	45.5

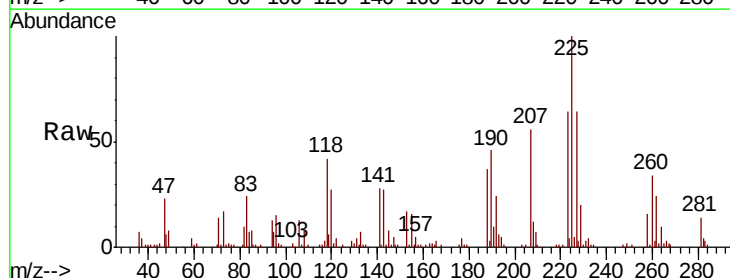


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

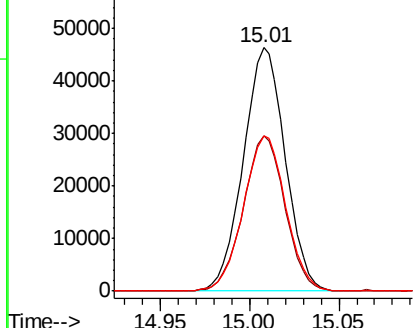
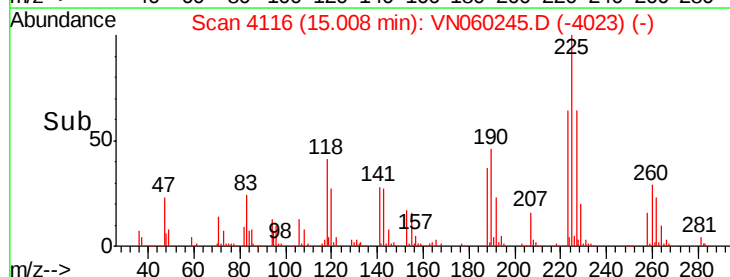


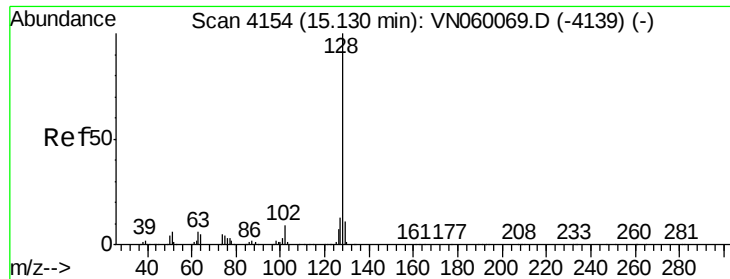
#94
 Hexachlorobutadiene
 Concen: 40.560 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN060245.D
 Acq: 26 Feb 2020 11:19

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	31.5	94.5
227	64.1	31.8	95.4



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





#95

Naphthalene

Concen: 53.823 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN060245.D

Acq: 26 Feb 2020 11:19

Instrument :

MSVOA_N

ClientSampleId :

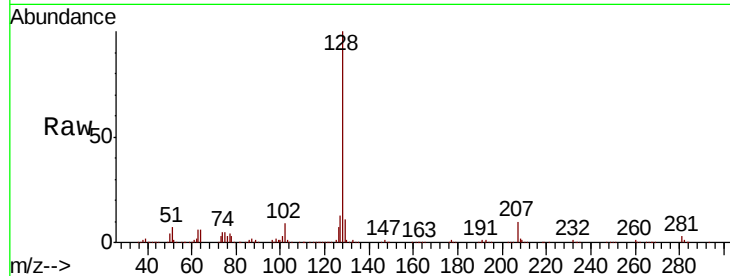
Tot Ion:128 Resp: 466859

Ion Ratio Lower Upper

128 100

127 13.1 10.3 15.5

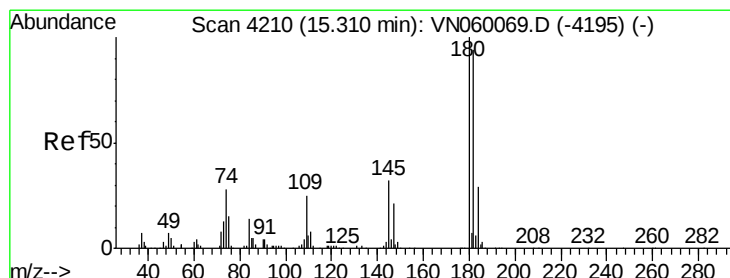
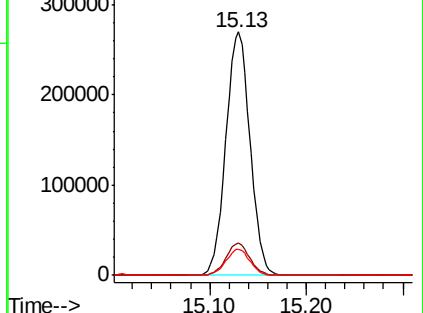
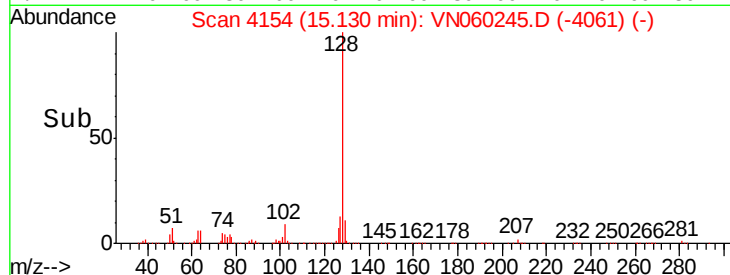
129 10.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 47.700 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN060245.D

Acq: 26 Feb 2020 11:19

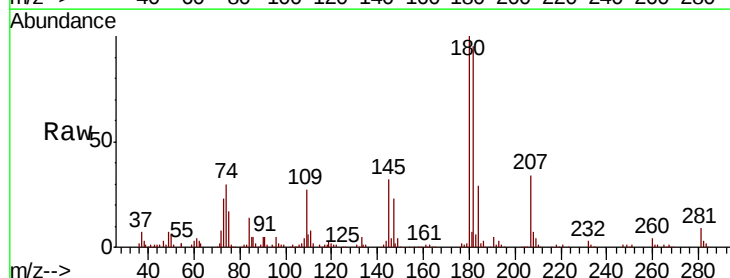
Tgt Ion:180 Resp: 152531

Ion Ratio Lower Upper

180 100

182 94.6 47.5 142.5

145 32.4 16.1 48.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

