

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030320\
 Data File : VN060335.D
 Acq On : 3 Mar 2020 17:20
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 04 01:16:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	227810	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	375765	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	352036	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	173354	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	139551	47.75	ug/l	0.00
Spiked Amount			Recovery	=	95.50%	
35) Dibromofluoromethane	7.57	113	81068	46.48	ug/l	0.00
Spiked Amount			Recovery	=	92.96%	
50) Toluene-d8	10.08	98	413742	46.87	ug/l	0.00
Spiked Amount			Recovery	=	93.74%	
62) 4-Bromofluorobenzene	12.40	95	160809	48.06	ug/l	0.00
Spiked Amount			Recovery	=	96.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	97589	46.723	ug/l	100
3) Chloromethane	2.04	50	186627	51.321	ug/l	98
4) Vinyl Chloride	2.16	62	141417	45.346	ug/l	98
5) Bromomethane	2.54	94	52691	41.569	ug/l	100
6) Chloroethane	2.68	64	82706	48.947	ug/l	95
7) Trichlorofluoromethane	3.00	101	183120	45.958	ug/l	100
8) Diethyl Ether	3.38	74	73119	48.603	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	103126	45.732	ug/l	99
10) Methyl Iodide	3.93	142	97246	47.251	ug/l	100
11) Tert butyl alcohol	4.73	59	95952	221.086	ug/l	99
12) 1,1-Dichloroethene	3.72	96	105829	48.352	ug/l	99
13) Acrolein	3.58	56	95882	236.812	ug/l	99
14) Allyl chloride	4.30	41	179248	44.419	ug/l	93
15) Acrylonitrile	4.94	53	293160	256.270	ug/l	98
16) Acetone	3.78	43	238024	252.178	ug/l	100
17) Carbon Disulfide	4.03	76	269004	46.264	ug/l	100
18) Methyl Acetate	4.29	43	143171	45.453	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	385057	48.458	ug/l	99
20) Methylene Chloride	4.52	84	119811	46.220	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	111408	47.356	ug/l	96
22) Diisopropyl ether	5.92	45	401932	49.172	ug/l	100
23) Vinyl Acetate	5.86	43	1601398	246.547	ug/l	99
24) 1,1-Dichloroethane	5.82	63	219538	47.447	ug/l	100
25) 2-Butanone	6.80	43	379519	248.934	ug/l	100
26) 2,2-Dichloropropane	6.80	77	193294	45.888	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	132827	44.191	ug/l	100
28) Bromochloromethane	7.17	49	91754	48.298	ug/l	98
29) Tetrahydrofuran	7.18	42	257579	242.963	ug/l	100
30) Chloroform	7.35	83	216931	47.097	ug/l	99
31) Cyclohexane	7.63	56	189399	47.911	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	192948	47.279	ug/l	99
36) 1,1-Dichloropropene	7.77	75	160116	44.710	ug/l	99
37) Ethyl Acetate	6.90	43	165363	48.766	ug/l	100
38) Carbon Tetrachloride	7.75	117	158948	45.586	ug/l	98

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

39) Methylcyclohexane	9.07	83	188677	44.684	ug/l	99
40) Benzene	8.02	78	482640	46.304	ug/l	100
41) Methacrylonitrile	7.18	41	236409	150.989	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	172227	45.789	ug/l	99
43) Isopropyl Acetate	8.14	43	285895	48.159	ug/l	99
44) Trichloroethene	8.82	130	130044	44.797	ug/l	100
45) 1,2-Dichloropropane	9.10	63	132462	48.606	ug/l	99
46) Dibromomethane	9.19	93	82260	46.519	ug/l	98
47) Bromodichloromethane	9.39	83	173476	48.235	ug/l	99
48) Methyl methacrylate	9.18	41	128041	47.298	ug/l	98
49) 1,4-Dioxane	9.18	88	30809	809.287	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	831775	247.120	ug/l	100
52) Toluene	10.14	92	304023	46.433	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	202930	46.049	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	213199	46.689	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	121663	46.206	ug/l	98
56) Ethyl methacrylate	10.42	69	192351	50.849	ug/l	98
57) 1,3-Dichloropropane	10.70	76	207251	48.265	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	465370	235.222	ug/l	100
59) 2-Hexanone	10.74	43	601769	243.502	ug/l	99
60) Dibromochloromethane	10.89	129	130292	48.658	ug/l	99
61) 1,2-Dibromoethane	11.00	107	123189	47.994	ug/l	98
64) Tetrachloroethene	10.62	164	132166	47.616	ug/l	99
65) Chlorobenzene	11.43	112	319282	44.916	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	123338	46.926	ug/l	99
67) Ethyl Benzene	11.51	91	595416	45.995	ug/l	99
68) m/p-Xylenes	11.62	106	440375	90.165	ug/l	99
69) o-Xylene	11.94	106	215463	46.262	ug/l	100
70) Styrene	11.96	104	362425	47.330	ug/l	100
71) Bromoform	12.12	173	93086	49.141	ug/l #	98
73) Isopropylbenzene	12.25	105	583352	45.401	ug/l	100
74) N-amyl acetate	12.07	43	265205	47.235	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	168043	48.114	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	238674	62.753	ug/l #	100
77) Bromobenzene	12.52	156	171516	54.457	ug/l	80
78) n-propylbenzene	12.59	91	691914	45.940	ug/l	100
79) 2-Chlorotoluene	12.67	91	402899	45.509	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	503264	46.521	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	66481	48.251	ug/l #	85
82) 4-Chlorotoluene	12.77	91	416746	44.679	ug/l	99
83) tert-Butylbenzene	12.99	119	426638	45.550	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	502182	45.991	ug/l	100
85) sec-Butylbenzene	13.17	105	575460	45.881	ug/l	100
86) p-Isopropyltoluene	13.29	119	518470	44.662	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	255563	47.211	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	255217	47.409	ug/l	100
89) n-Butylbenzene	13.61	91	486721	45.673	ug/l	99
90) Hexachloroethane	13.87	117	72546	43.173	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	250037	45.306	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	36059	45.591	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	166349	47.441	ug/l	100
94) Hexachlorobutadiene	15.01	225	77940	48.331	ug/l	99
95) Naphthalene	15.13	128	487860	47.217	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	158338	47.936	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN060335.D

Acq: 3 Mar 2020 17:20

Instrument :

MSVOA_N

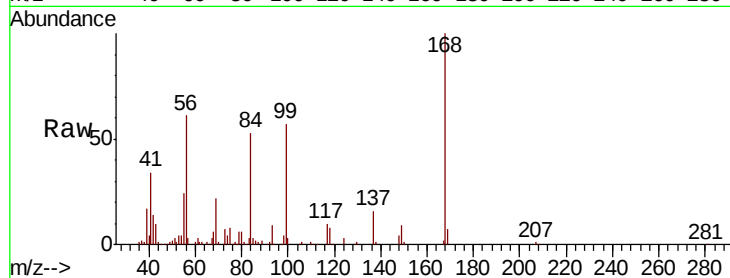
ClientSampled :

Tot Ion:168 Resp: 227810

Ion Ratio Lower Upper

168 100

99 56.8 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

100000

80000

60000

40000

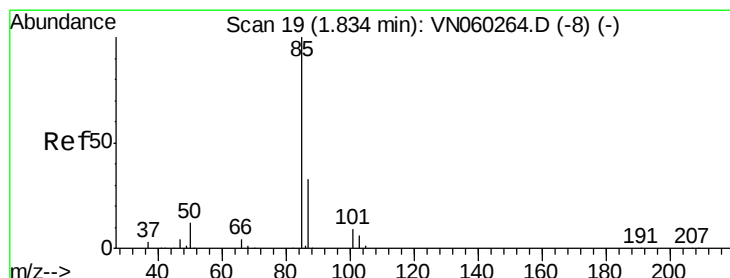
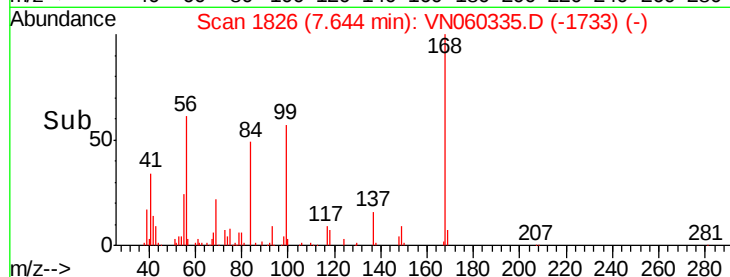
20000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 46.723 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060335.D

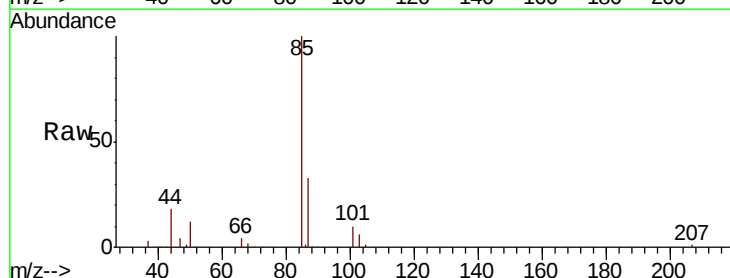
Acq: 3 Mar 2020 17:20

Tgt Ion: 85 Resp: 97589

Ion Ratio Lower Upper

85 100

87 32.8 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

80000

60000

40000

20000

0

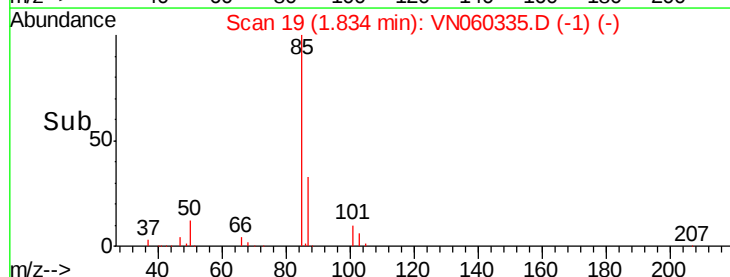
1.75

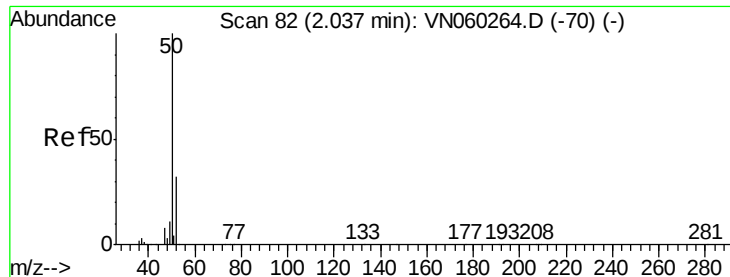
1.80

1.85

1.90

Time-->

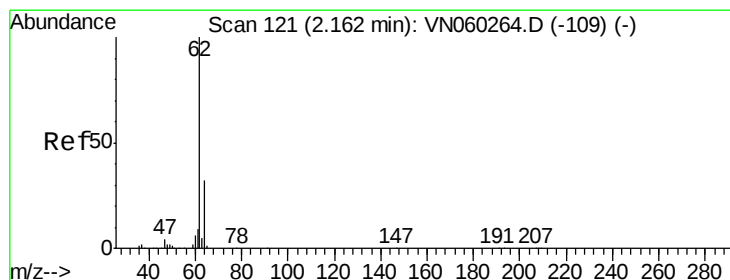
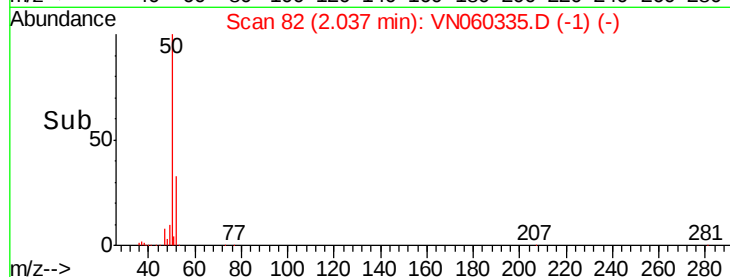
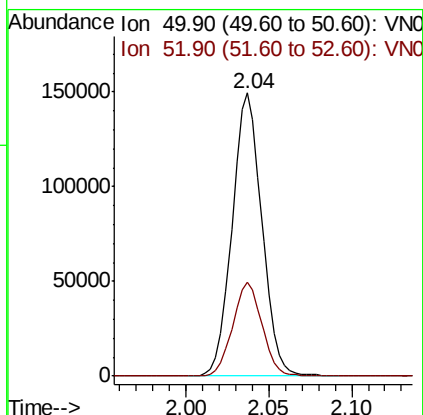
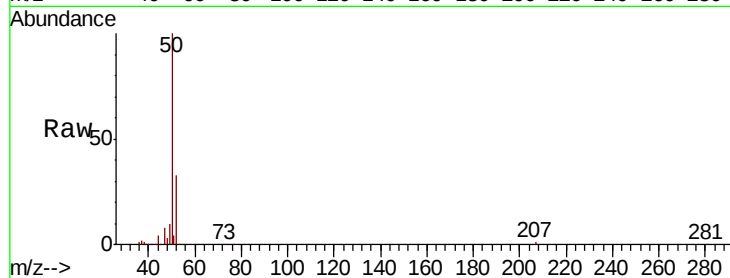




#3
Chloromethane
Concen: 51.321 ug/l
RT: 2.04 min Scan# 82
Delta R.T. 0.00 min
Lab File: VN060335.D
Acq: 3 Mar 2020 17:20

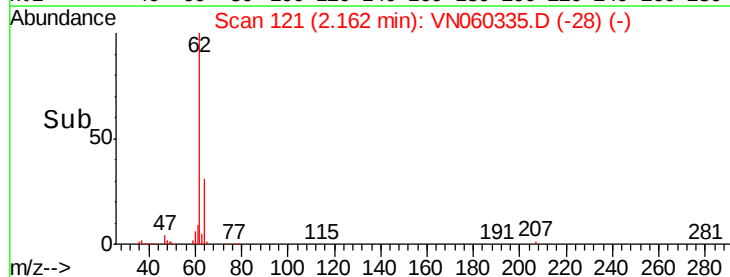
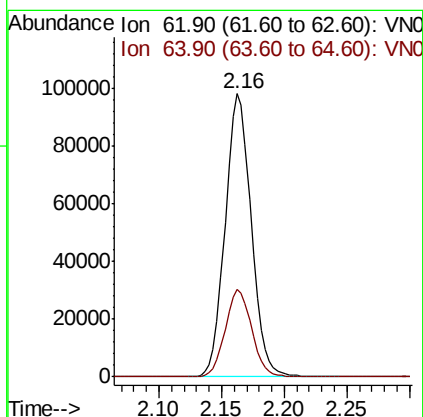
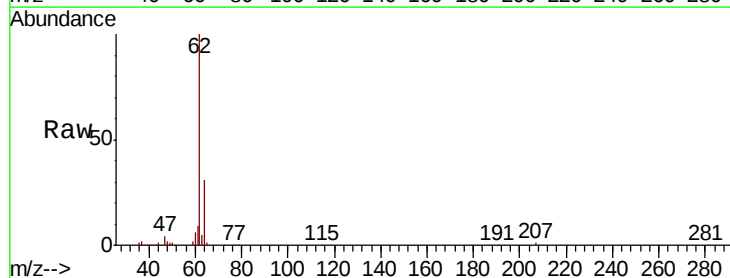
Instrument :
MSVOA_N
ClientSampleId :

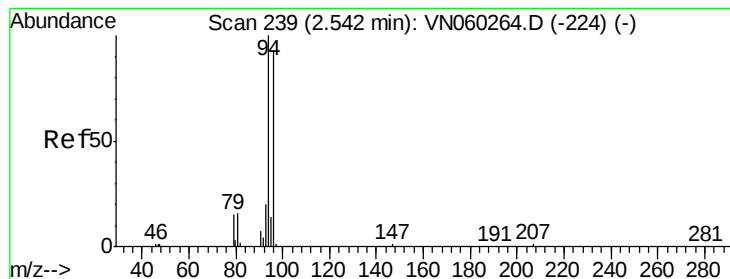
Tot Ion: 50 Resp: 186627
Ion Ratio Lower Upper
50 100
52 33.1 25.6 38.4



#4
Vinyl Chloride
Concen: 45.346 ug/l
RT: 2.16 min Scan# 121
Delta R.T. 0.00 min
Lab File: VN060335.D
Acq: 3 Mar 2020 17:20

Tgt Ion: 62 Resp: 141417
Ion Ratio Lower Upper
62 100
64 30.8 25.5 38.3





#5

Bromomethane

Concen: 41.569 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN060335.D

Acq: 3 Mar 2020 17:20

Instrument :

MSVOA_N

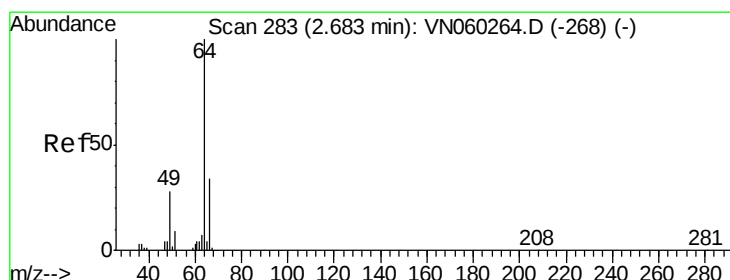
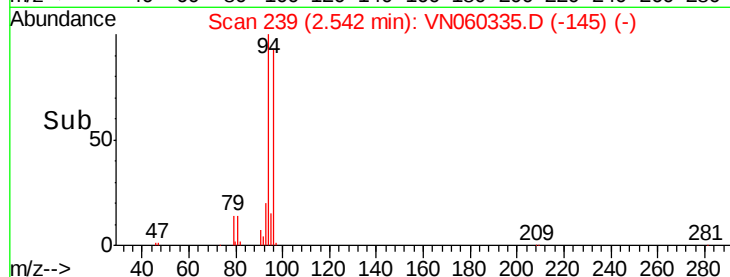
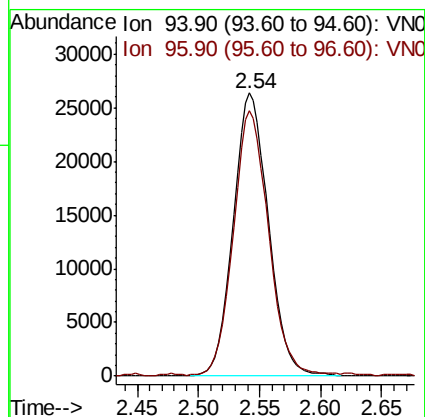
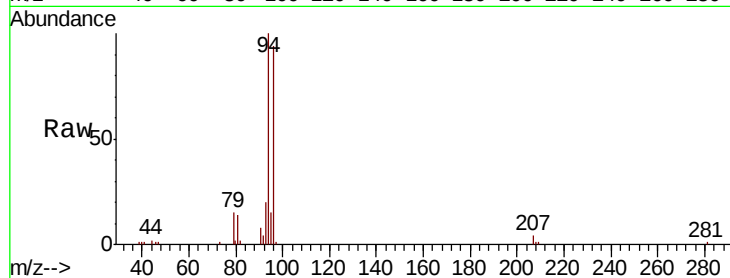
ClientSampleId :

Tot Ion: 94 Resp: 52691

Ion Ratio Lower Upper

94 100

96 93.3 74.3 111.5



#6

Chloroethane

Concen: 48.947 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN060335.D

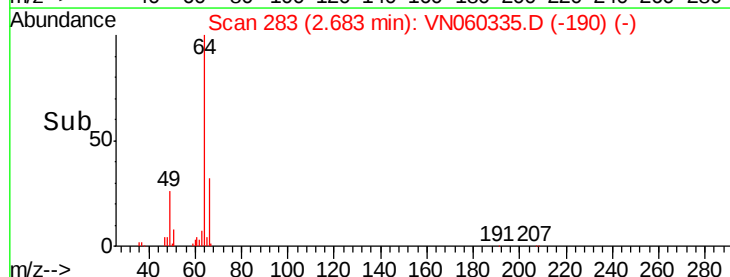
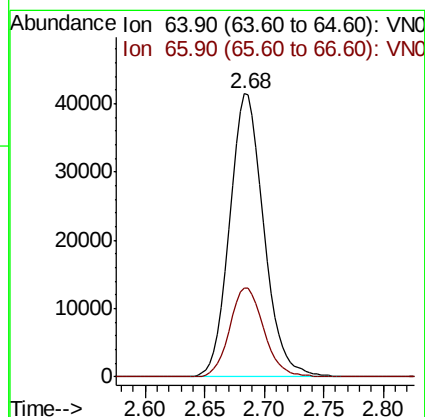
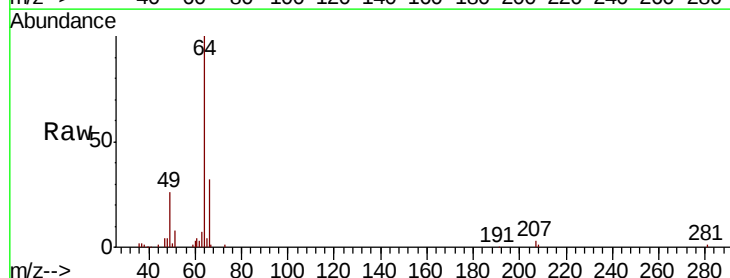
Acq: 3 Mar 2020 17:20

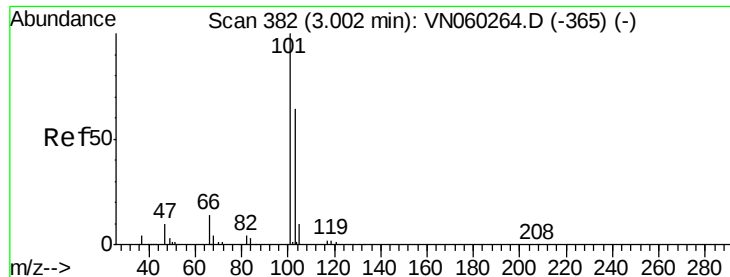
Tgt Ion: 64 Resp: 82706

Ion Ratio Lower Upper

64 100

66 31.6 27.4 41.2



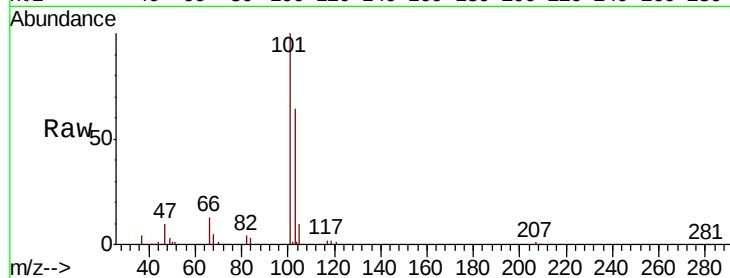


#7

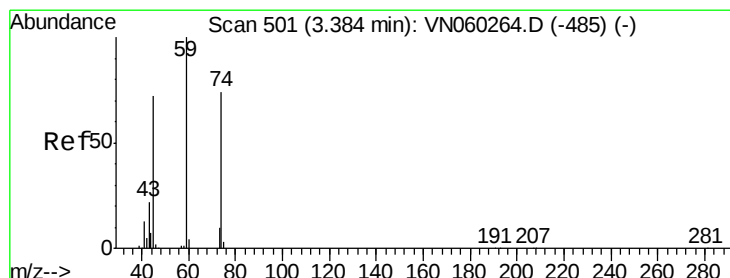
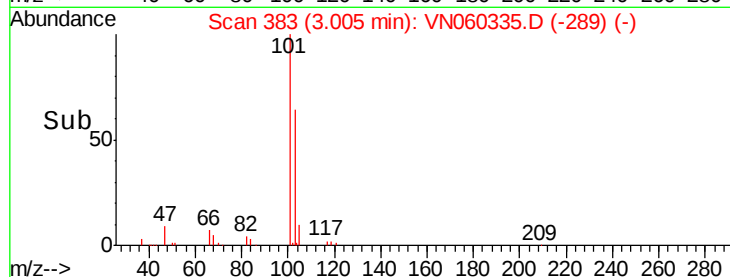
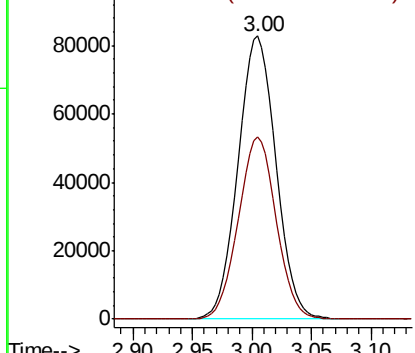
Trichlorofluoromethane
Concen: 45.958 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN060335.D
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Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:101 Resp: 183120
Ion Ratio Lower Upper
101 100
103 64.3 51.3 76.9



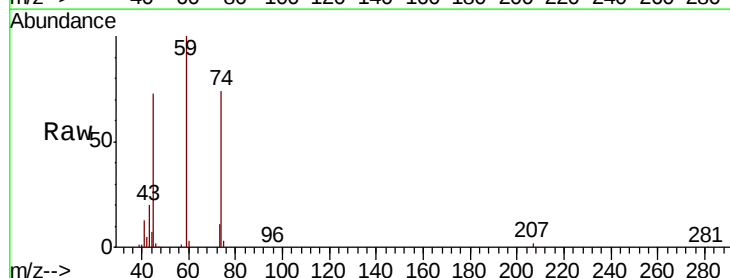
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



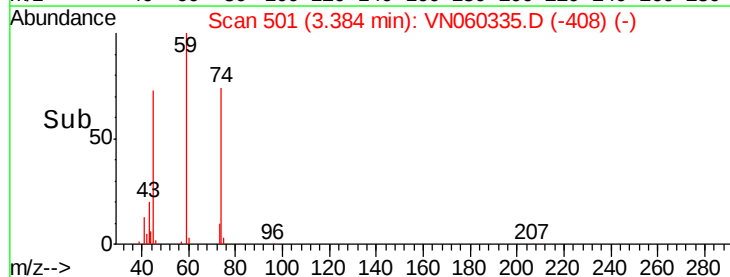
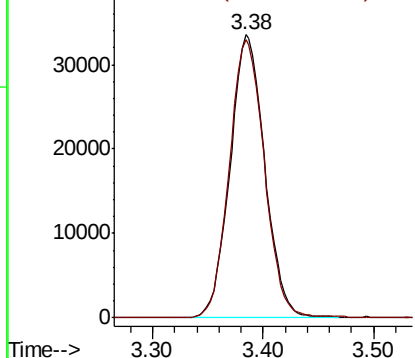
#8

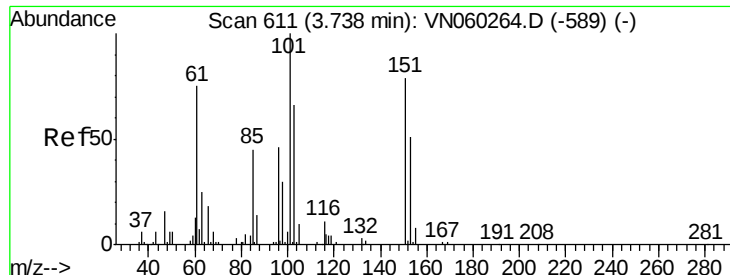
Diethyl Ether
Concen: 48.603 ug/l
RT: 3.38 min Scan# 501
Delta R.T. 0.00 min
Lab File: VN060335.D
Acq: 3 Mar 2020 17:20

Tgt Ion: 74 Resp: 73119
Ion Ratio Lower Upper
74 100
45 99.4 49.5 148.7



Abundance Ion 74.00 (73.70 to 74.70): VNO
Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.732 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN060335.D

Acq: 3 Mar 2020 17:20

Instrument :

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ClientSampleId :

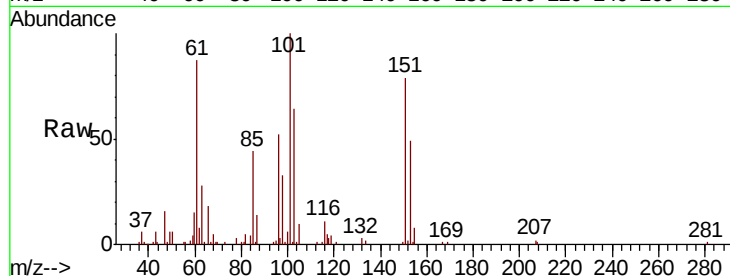
Tot Ion:101 Resp: 103126

Ion Ratio Lower Upper

101 100

85 44.7 35.4 53.2

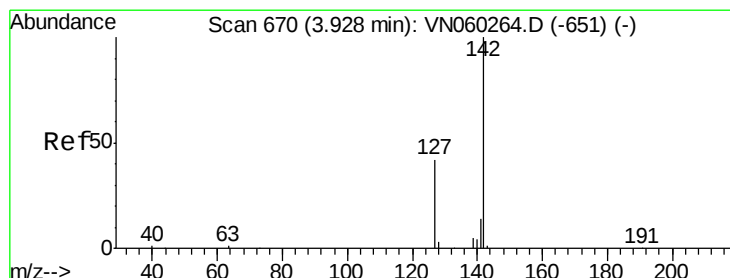
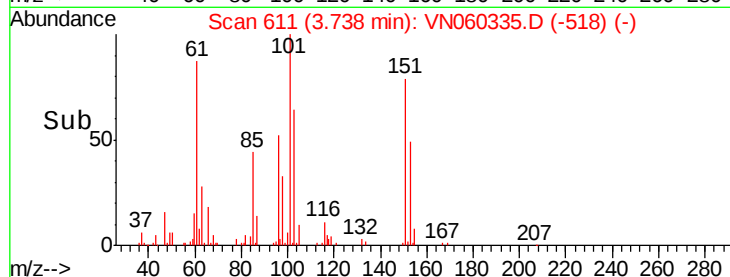
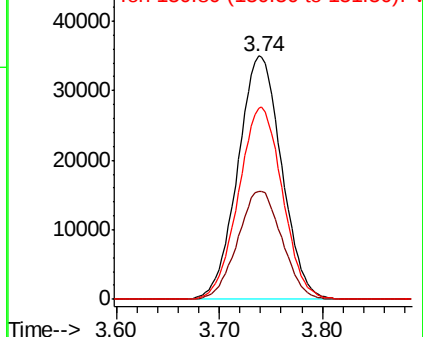
151 79.1 62.0 93.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 47.251 ug/l

RT: 3.93 min Scan# 670

Delta R.T. 0.00 min

Lab File: VN060335.D

Acq: 3 Mar 2020 17:20

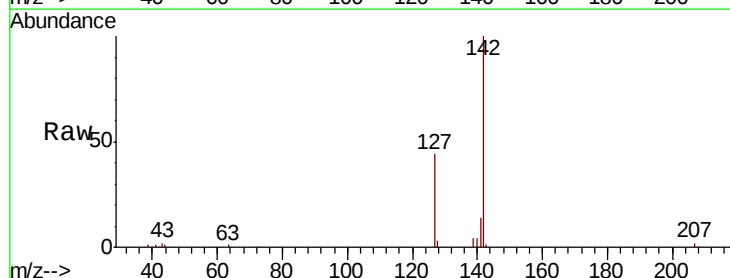
Tgt Ion:142 Resp: 97246

Ion Ratio Lower Upper

142 100

127 42.4 33.8 50.6

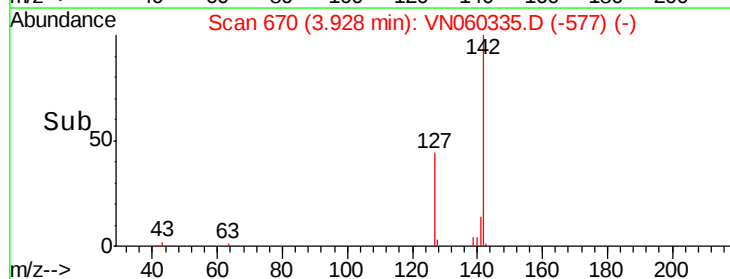
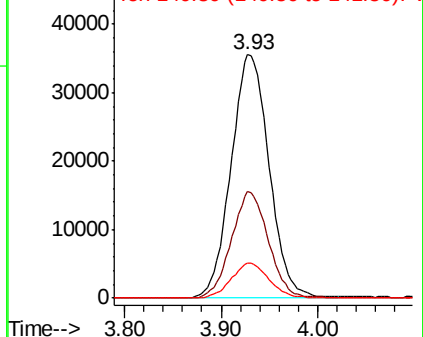
141 14.1 11.1 16.7



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



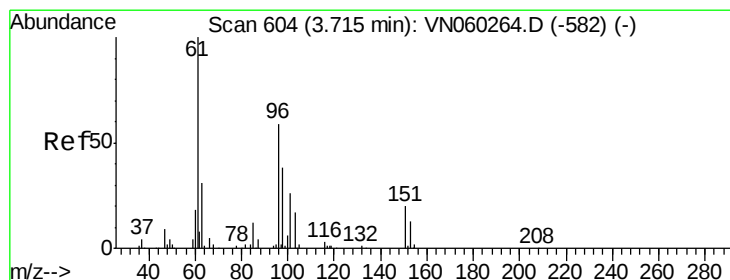
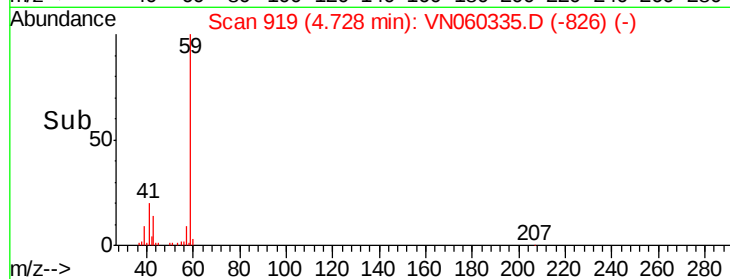
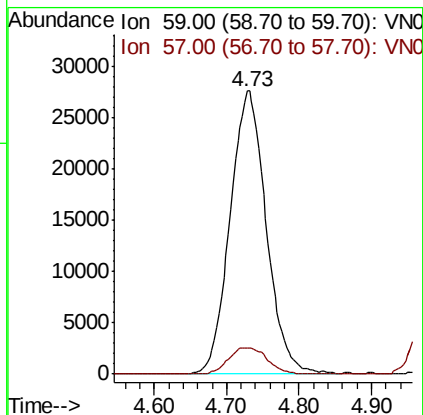
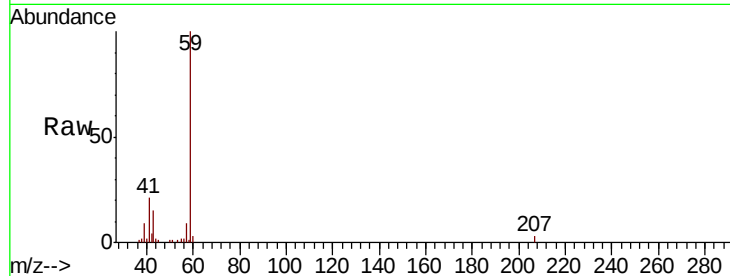


#11

Tert butyl alcohol
 Concen: 221.086 ug/l
 RT: 4.73 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VN060335.D
 Acq: 3 Mar 2020 17:20

Instrument :
 MSVOA_N
 ClientSampled :

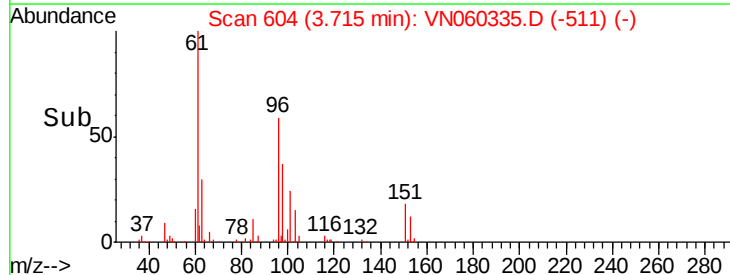
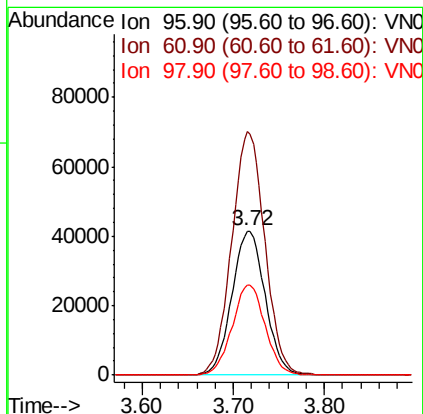
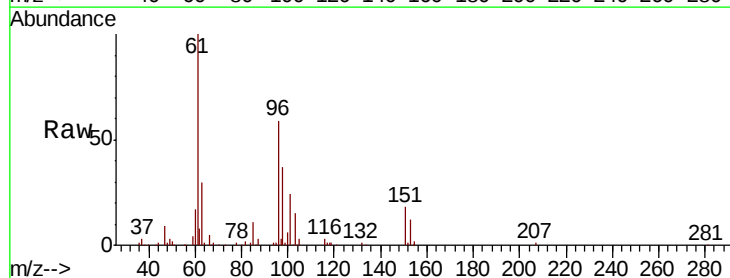
Tot Ion: 59 Resp: 95952
 Ion Ratio Lower Upper
 59 100
 57 10.0 8.2 12.2



#12

1,1-Dichloroethene
 Concen: 48.352 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN060335.D
 Acq: 3 Mar 2020 17:20

Tgt Ion: 96 Resp: 105829
 Ion Ratio Lower Upper
 96 100
 61 168.7 135.4 203.0
 98 62.6 51.6 77.4

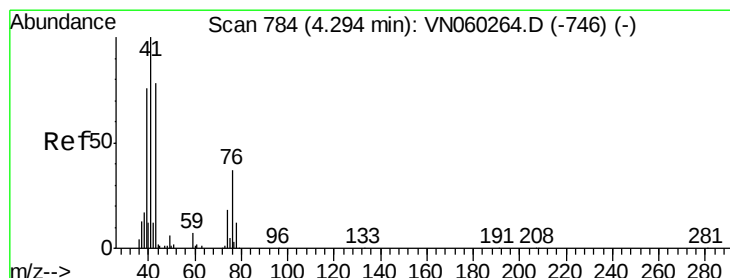
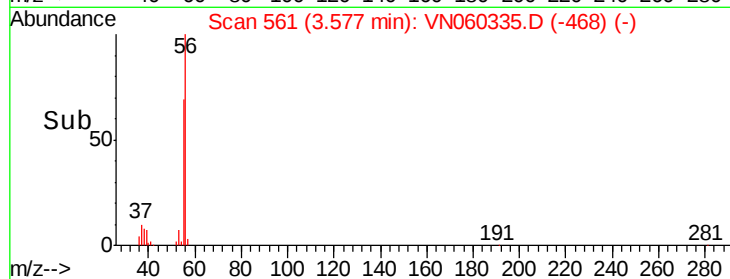
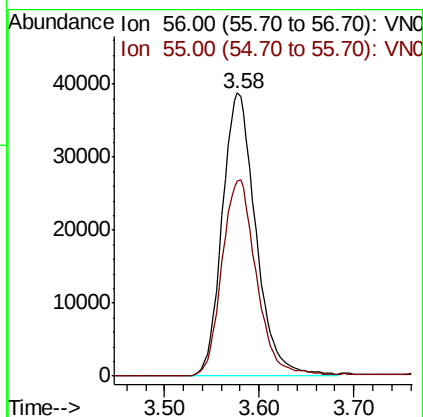
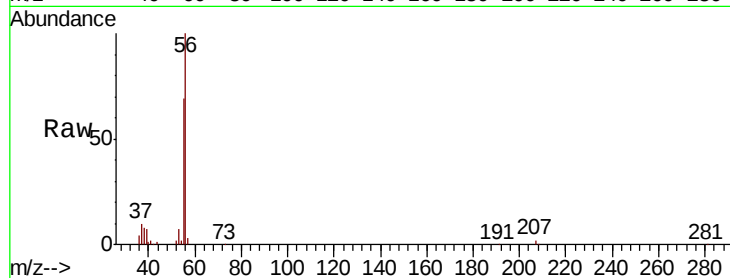




#13
Acrolein
Concen: 236.812 ug/l
RT: 3.58 min Scan# 561
Delta R.T. 0.00 min
Lab File: VN060335.D
Acq: 3 Mar 2020 17:20

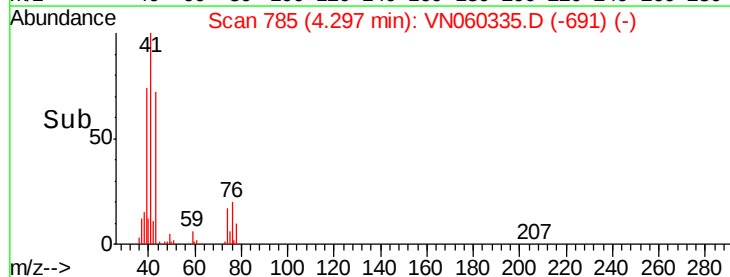
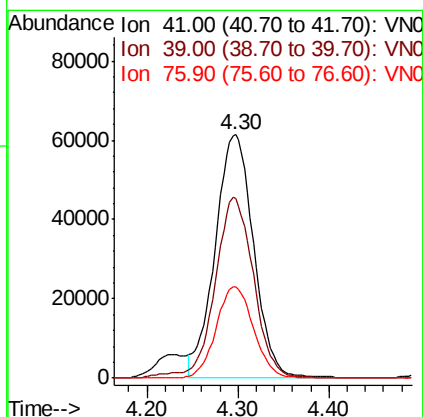
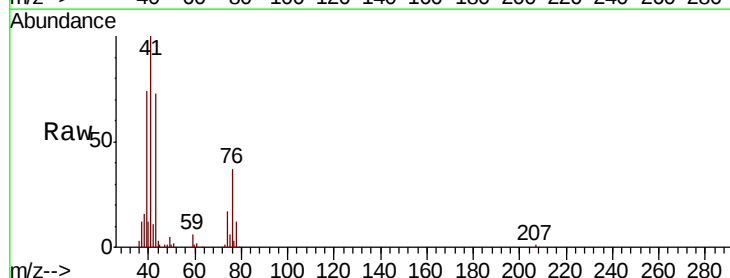
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 95882
Ion Ratio Lower Upper
56 100
55 70.9 57.4 86.0



#14
Allyl chloride
Concen: 44.419 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.00 min
Lab File: VN060335.D
Acq: 3 Mar 2020 17:20

Tgt Ion: 41 Resp: 179248
Ion Ratio Lower Upper
41 100
39 75.1 55.4 83.2
76 36.8 27.0 40.6





#15

Acrylonitrile

Concen: 256.270 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN060335.D

Acq: 3 Mar 2020 17:20

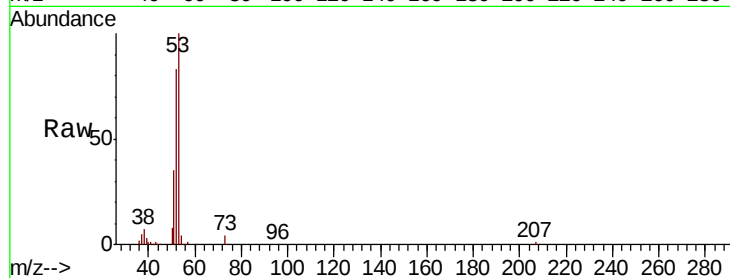
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 53 Resp: 293160

Ion	Ratio	Lower	Upper
53	100		
52	82.0	66.8	100.2
51	35.6	29.0	43.6

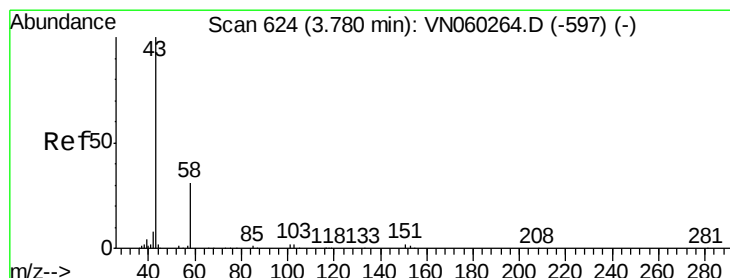
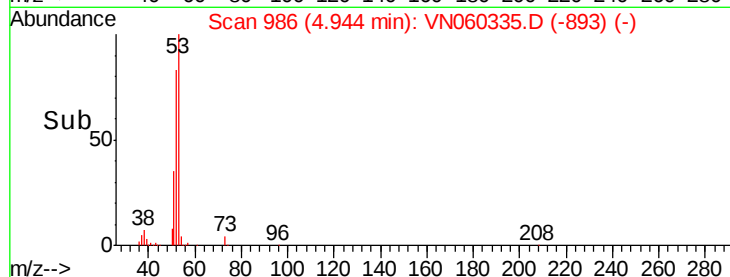
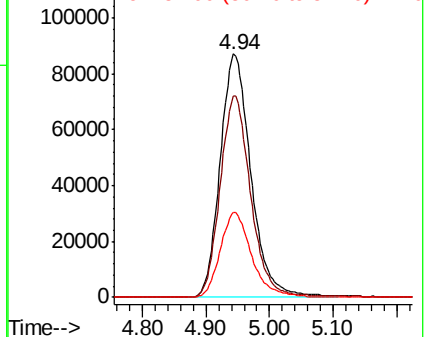


Abundance

Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 252.178 ug/l

RT: 3.78 min Scan# 624

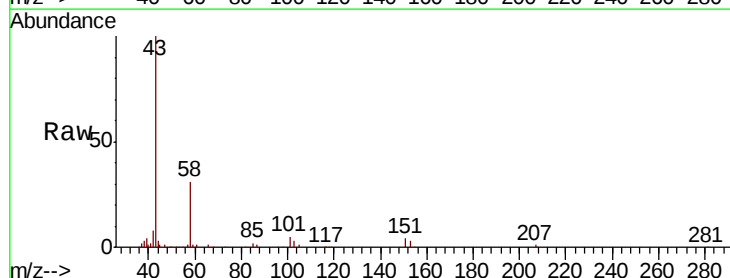
Delta R.T. 0.00 min

Lab File: VN060335.D

Acq: 3 Mar 2020 17:20

Tgt Ion: 43 Resp: 238024

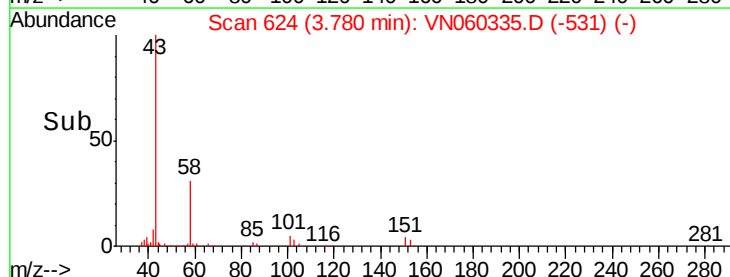
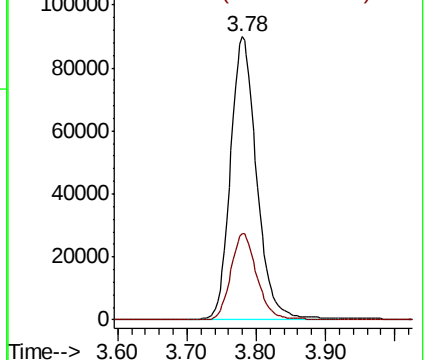
Ion	Ratio	Lower	Upper
43	100		
58	30.5	24.6	36.8

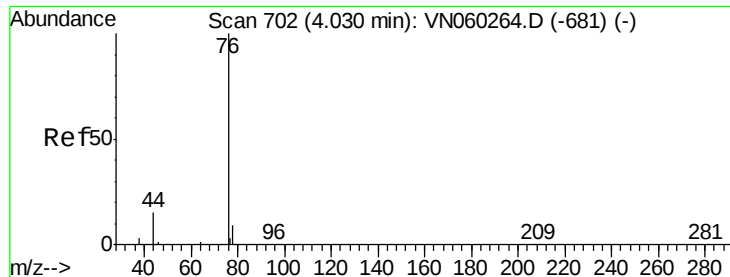


Abundance

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

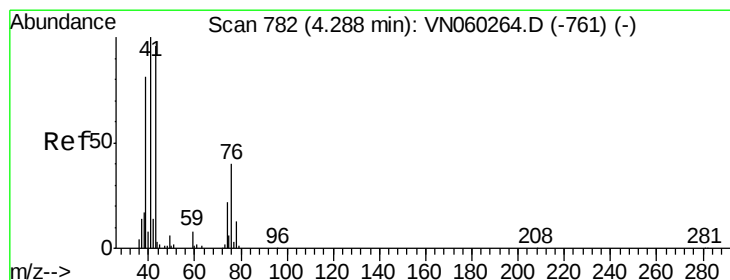
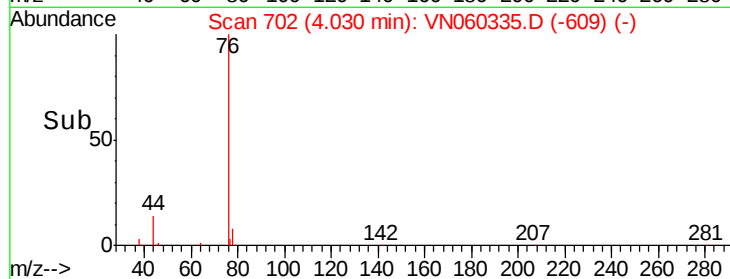
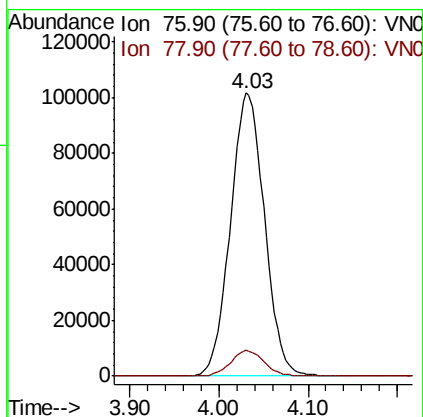
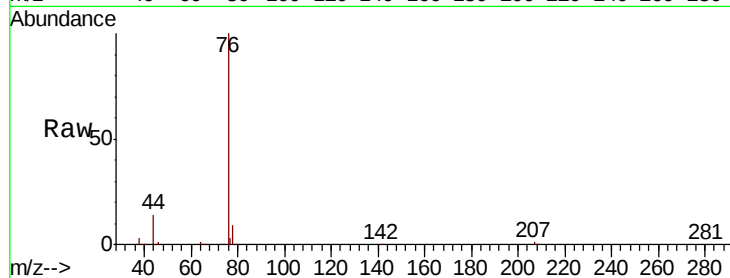




#17
Carbon Disulfide
Concen: 46.264 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN060335.D
Acq: 3 Mar 2020 17:20

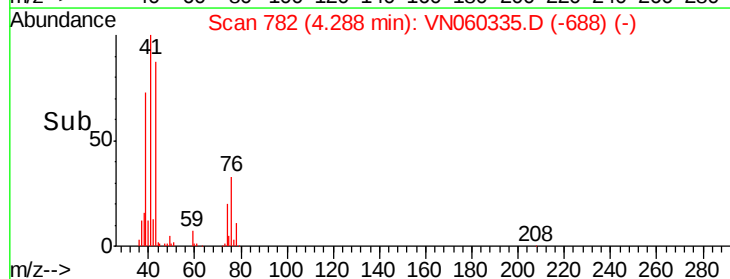
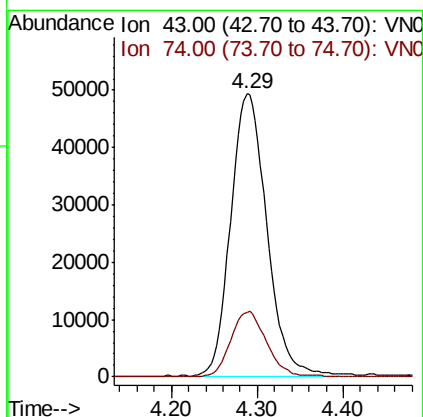
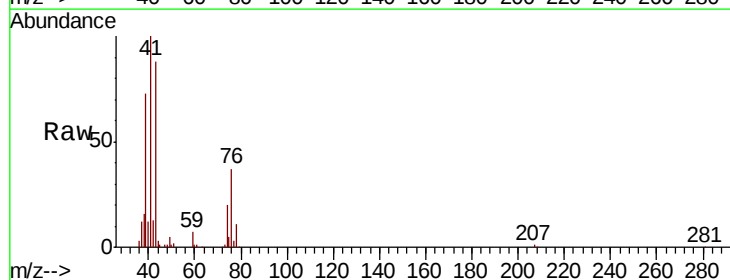
Instrument :
MSVOA_N
ClientSampled :

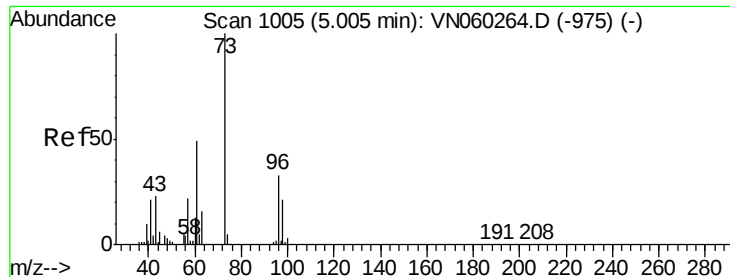
Tot Ion: 76 Resp: 269004
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.0



#18
Methyl Acetate
Concen: 45.453 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.00 min
Lab File: VN060335.D
Acq: 3 Mar 2020 17:20

Tgt Ion: 43 Resp: 143171
Ion Ratio Lower Upper
43 100
74 22.9 18.8 28.2



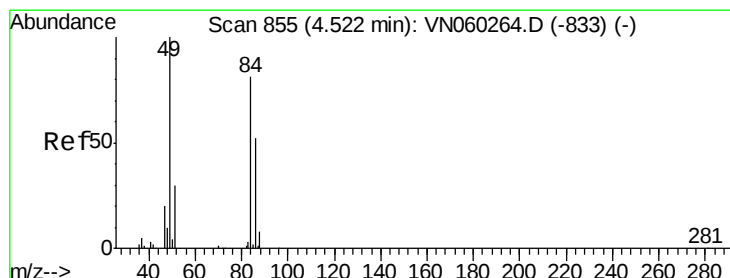
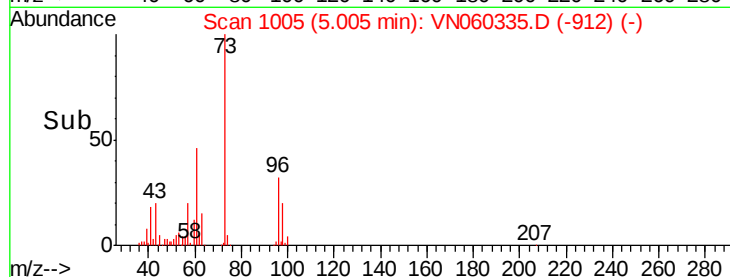
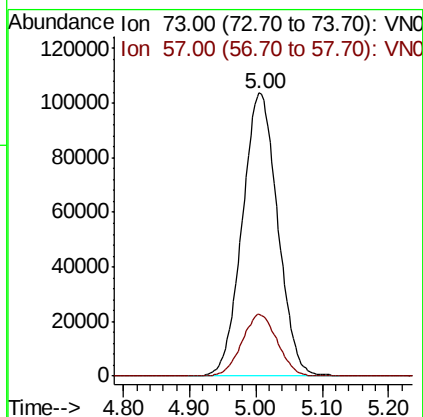
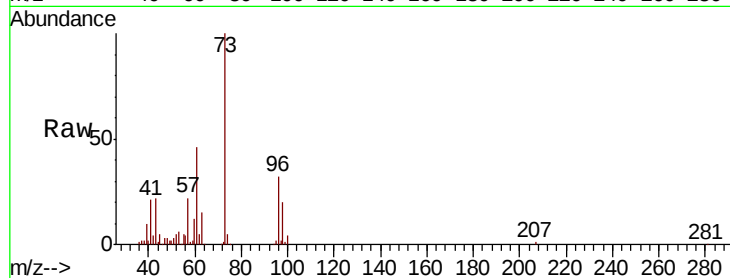


#19

Methyl tert-butyl Ether
 Concen: 48.458 ug/l
 RT: 5.00 min Scan# 1005
 Delta R.T. 0.00 min
 Lab File: VN060335.D
 Acq: 3 Mar 2020 17:20

Instrument :
 MSVOA_N
 ClientSampled :

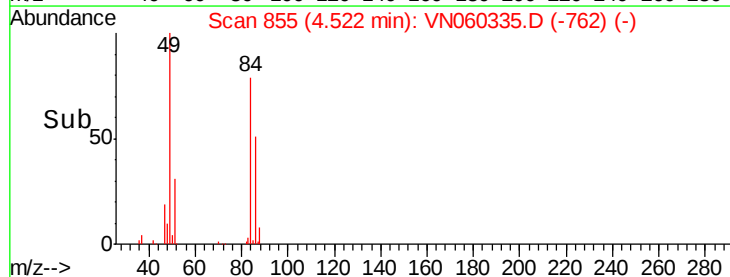
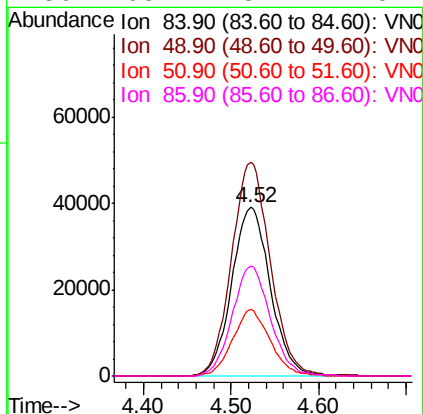
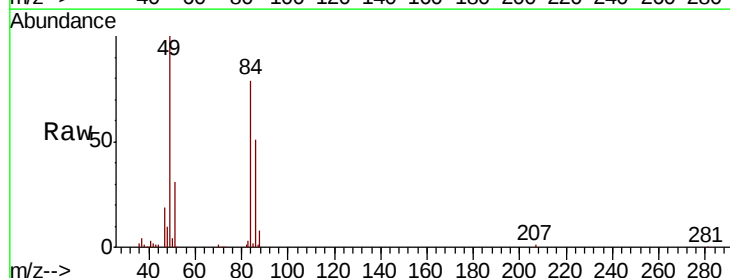
Tot Ion: 73 Resp: 385057
 Ion Ratio Lower Upper
 73 100
 57 22.0 17.3 25.9



#20

Methylene Chloride
 Concen: 46.220 ug/l
 RT: 4.52 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VN060335.D
 Acq: 3 Mar 2020 17:20

Tgt Ion: 84 Resp: 119811
 Ion Ratio Lower Upper
 84 100
 49 126.8 99.3 148.9
 51 39.9 30.1 45.1
 86 65.1 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 47.356 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. 0.00 min

Lab File: VN060335.D

Acq: 3 Mar 2020 17:20

Instrument :

MSVOA_N

ClientSampleId :

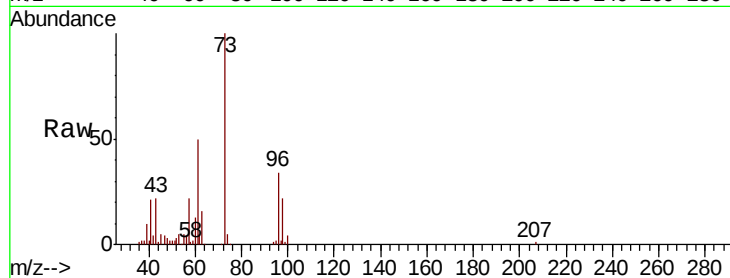
Tot Ion: 96 Resp: 111408

Ion Ratio Lower Upper

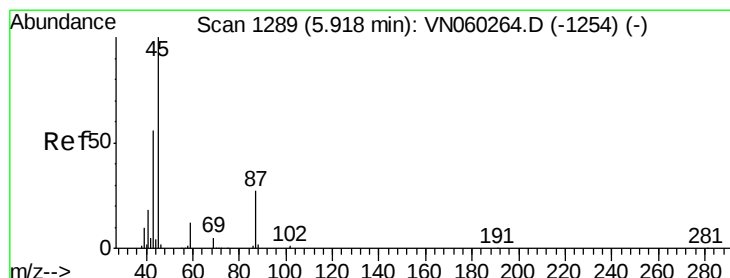
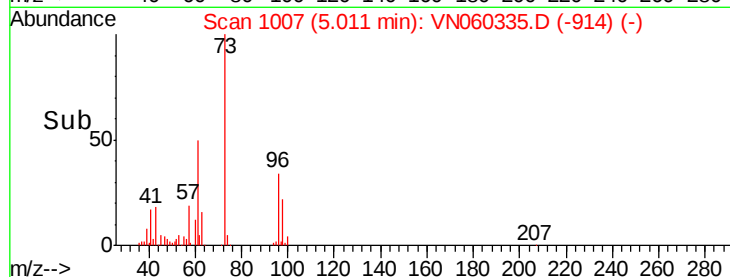
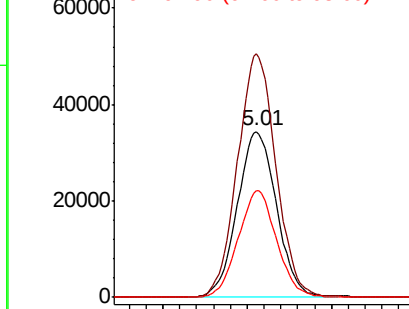
96 100

61 146.7 113.8 170.8

98 64.0 48.8 73.2



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



#22

Diisopropyl ether

Concen: 49.172 ug/l

RT: 5.92 min Scan# 1289

Delta R.T. 0.00 min

Lab File: VN060335.D

Acq: 3 Mar 2020 17:20

Tgt Ion: 45 Resp: 401932

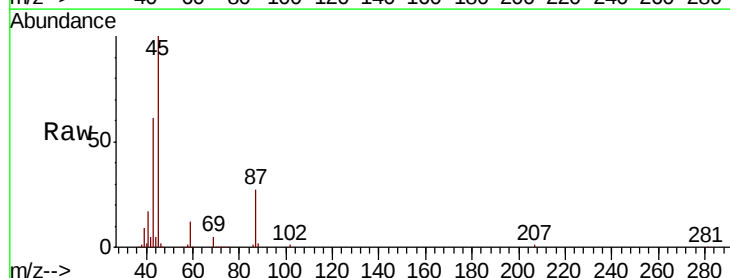
Ion Ratio Lower Upper

45 100

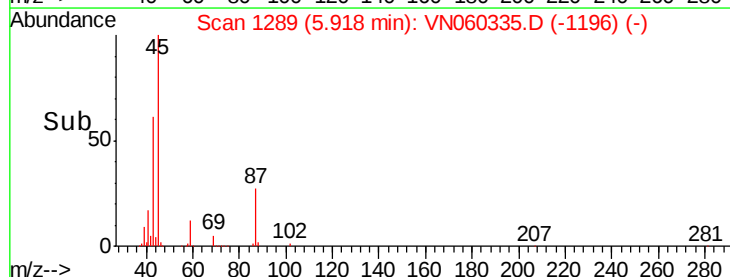
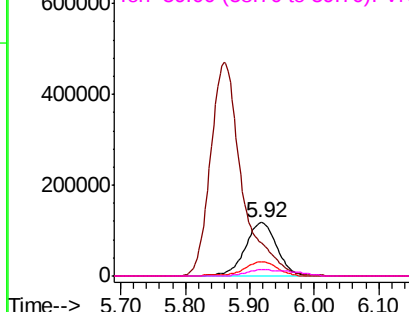
43 60.7 48.6 72.8

87 27.4 22.2 33.2

59 11.9 9.5 14.3



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





#23

Vinyl Acetate

Concen: 246.547 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VN060335.D

Acq: 3 Mar 2020 17:20

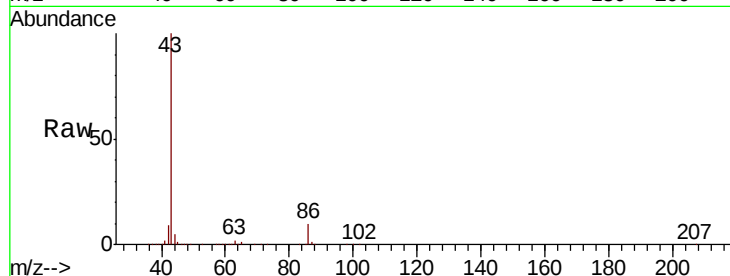
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 1601398

Ion Ratio Lower Upper

43 100

86 9.8 8.0 12.0



Abundance Ion 43.00 (42.70 to 43.70): VN060264.D (-1246) (-)

Ion 86.00 (85.70 to 86.70): VN060264.D (-1246) (-)

5.86

500000

400000

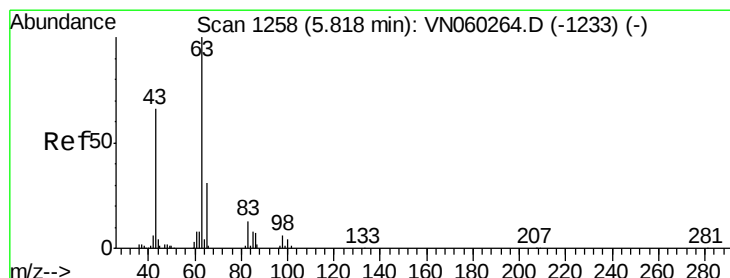
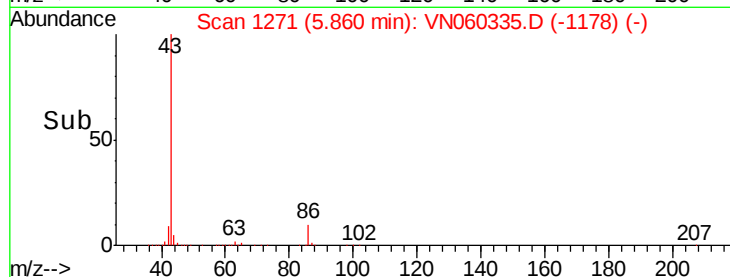
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 47.447 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VN060335.D

Acq: 3 Mar 2020 17:20

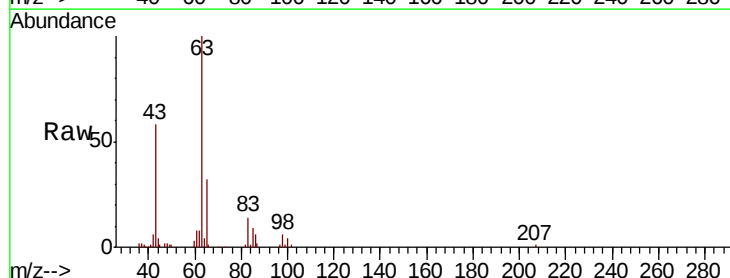
Tgt Ion: 63 Resp: 219538

Ion Ratio Lower Upper

63 100

98 6.1 3.0 9.0

100 4.1 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN060264.D (-1233) (-)

Ion 97.90 (97.60 to 98.60): VN060264.D (-1233) (-)

Ion 99.90 (99.60 to 100.60): VN060264.D (-1233) (-)

80000

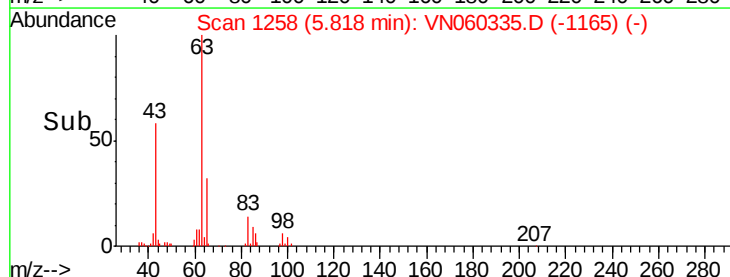
60000

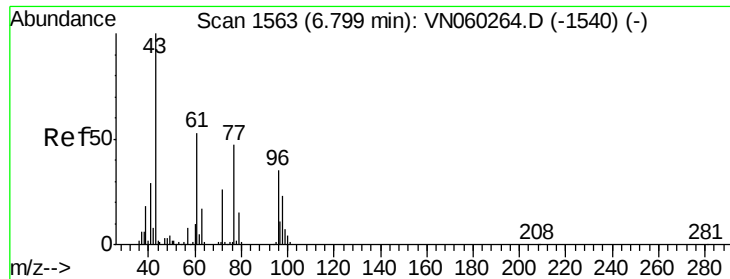
40000

20000

0

Time-->

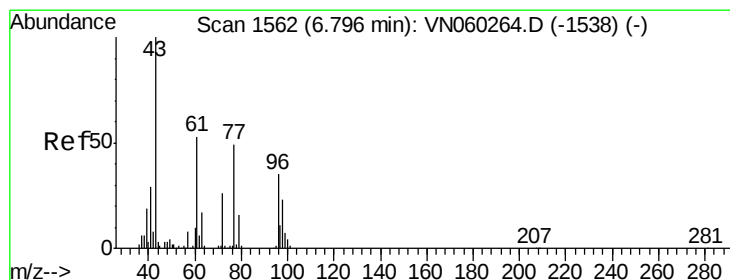
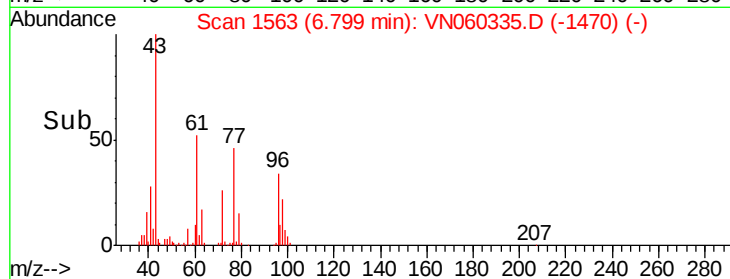
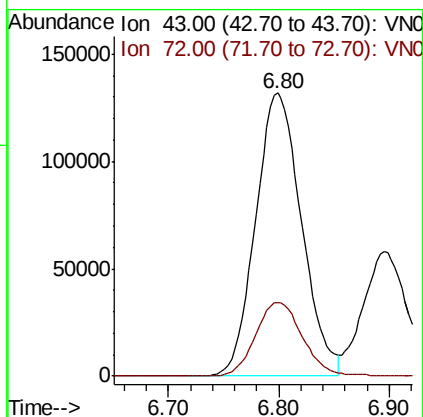
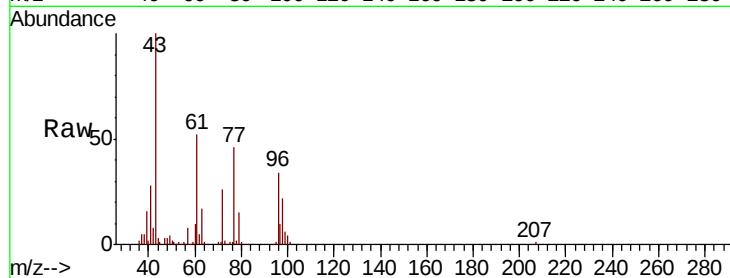




#25
2-Butanone
Concen: 248.934 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VN060335.D
Acq: 3 Mar 2020 17:20

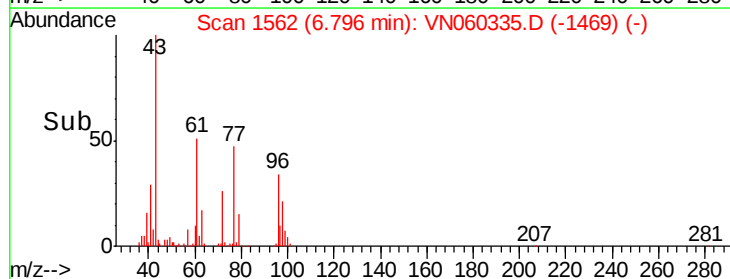
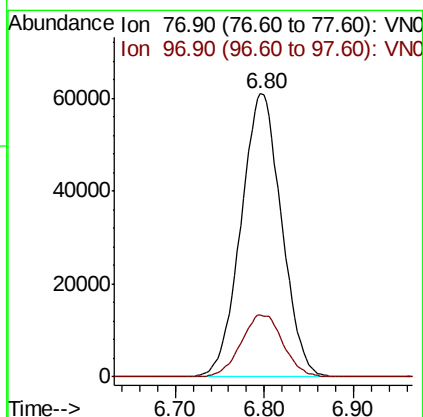
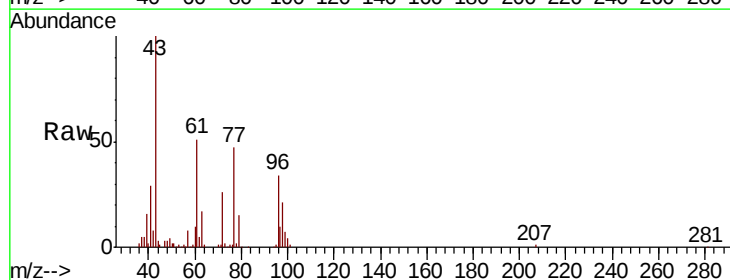
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 379519
Ion Ratio Lower Upper
43 100
72 26.2 20.9 31.3



#26
2,2-Dichloropropane
Concen: 45.888 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VN060335.D
Acq: 3 Mar 2020 17:20

Tgt Ion: 77 Resp: 193294
Ion Ratio Lower Upper
77 100
97 22.6 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 44.191 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060335.D

Acq: 3 Mar 2020 17:20

Instrument :

MSVOA_N

ClientSampleId :

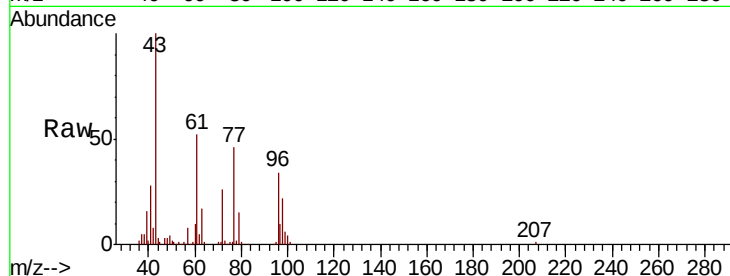
Tot Ion: 96 Resp: 132827

Ion Ratio Lower Upper

96 100

61 150.9 0.0 300.8

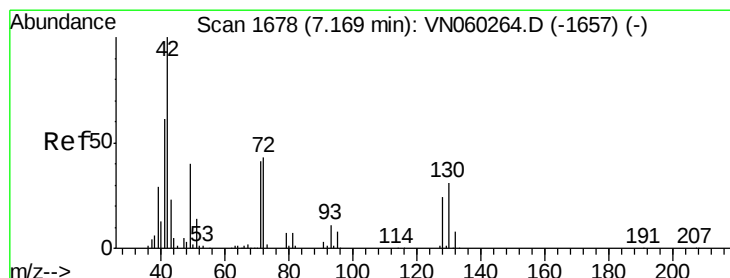
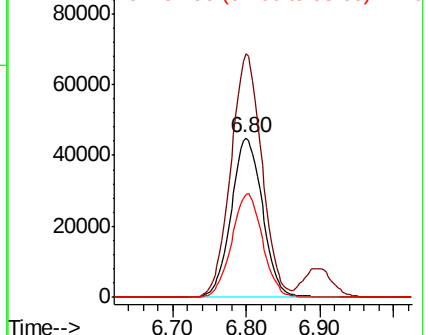
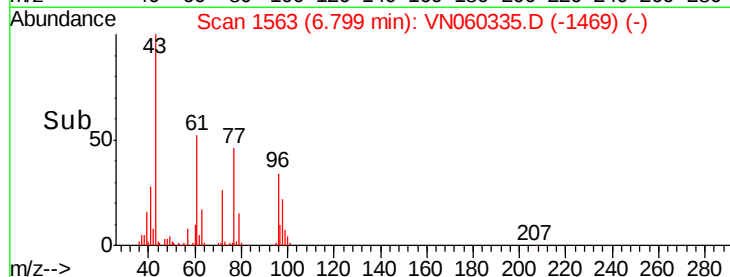
98 64.0 0.0 128.2



Abundance Ion 95.90 (95.60 to 96.60): VN060335.D (-1469) (-)

Ion 60.90 (60.60 to 61.60): VN060335.D (-1469) (-)

Ion 97.90 (97.60 to 98.60): VN060335.D (-1469) (-)



#28

Bromochloromethane

Concen: 48.298 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. 0.00 min

Lab File: VN060335.D

Acq: 3 Mar 2020 17:20

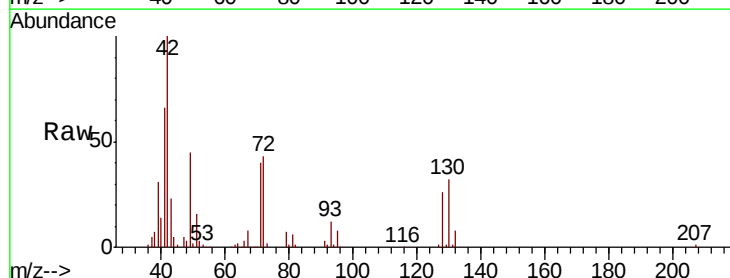
Tgt Ion: 49 Resp: 91754

Ion Ratio Lower Upper

49 100

129 2.0 0.0 3.8

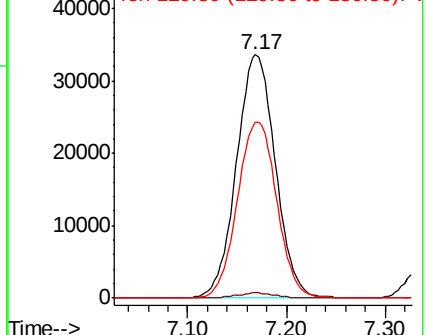
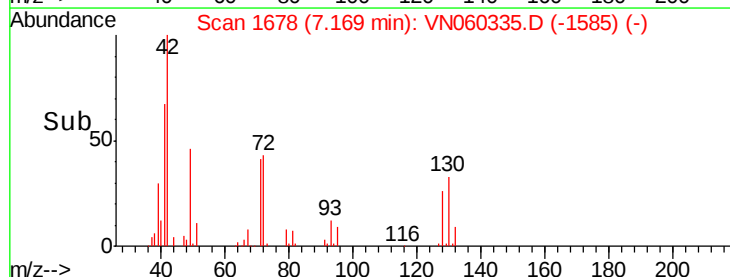
130 73.2 59.8 89.8



Abundance Ion 48.90 (48.60 to 49.60): VN060335.D (-1585) (-)

Ion 128.80 (128.50 to 129.50): VN060335.D (-1585) (-)

Ion 129.80 (129.50 to 130.50): VN060335.D (-1585) (-)





#29

Tetrahydrofuran

Concen: 242.963 ug/l

RT: 7.18 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VN060335.D

Acq: 3 Mar 2020 17:20

Instrument :

MSVOA_N

ClientSampleId :

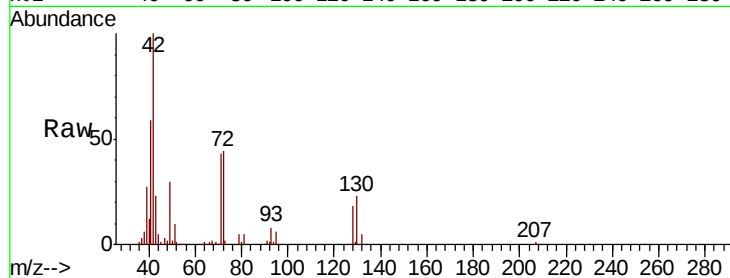
Tot Ion: 42 Resp: 257579

Ion Ratio Lower Upper

42 100

72 43.0 34.6 52.0

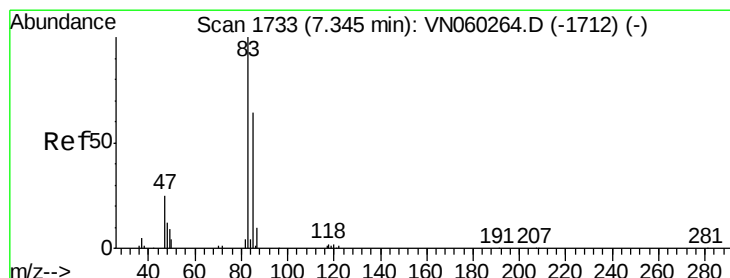
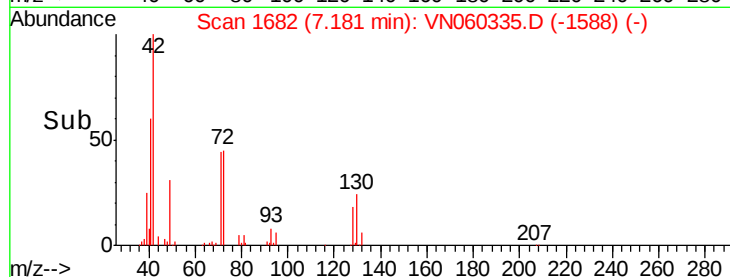
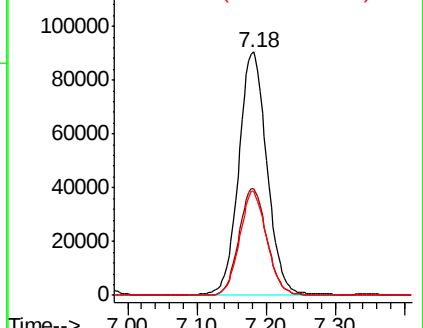
71 40.9 32.9 49.3



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: 47.097 ug/l

RT: 7.35 min Scan# 1734

Delta R.T. 0.00 min

Lab File: VN060335.D

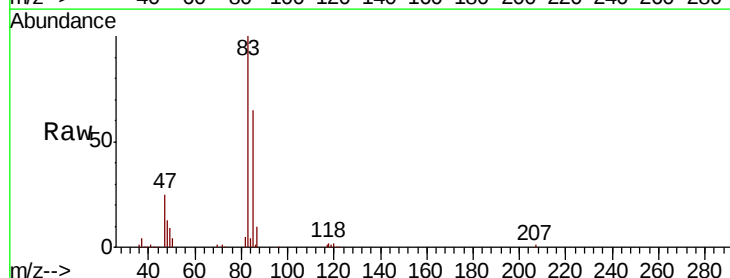
Acq: 3 Mar 2020 17:20

Tgt Ion: 83 Resp: 216931

Ion Ratio Lower Upper

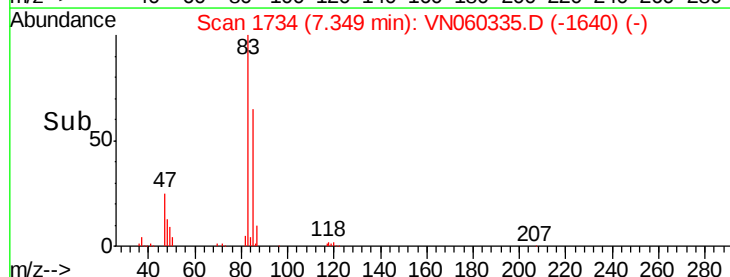
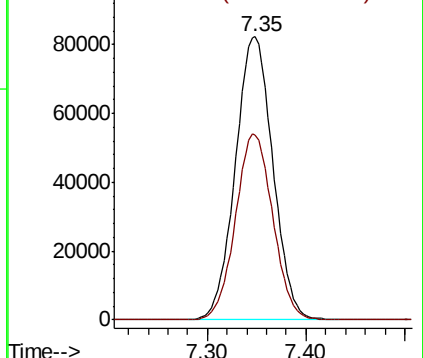
83 100

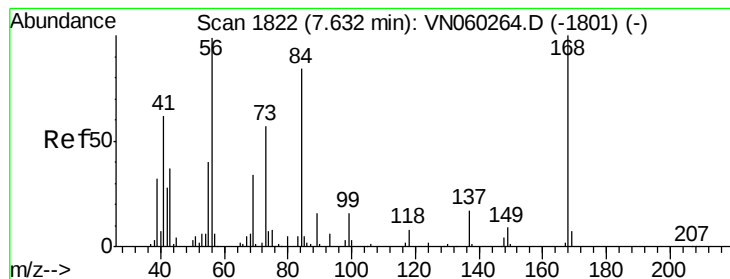
85 65.2 51.4 77.2



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 47.911 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN060335.D

Acq: 3 Mar 2020 17:20

Instrument :
MSVOA_N
ClientSampleId :

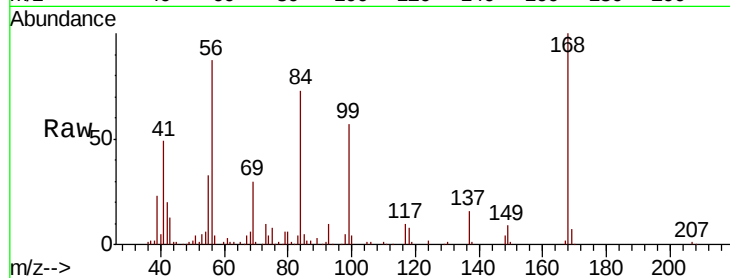
Tot Ion: 56 Resp: 189399

Ion Ratio Lower Upper

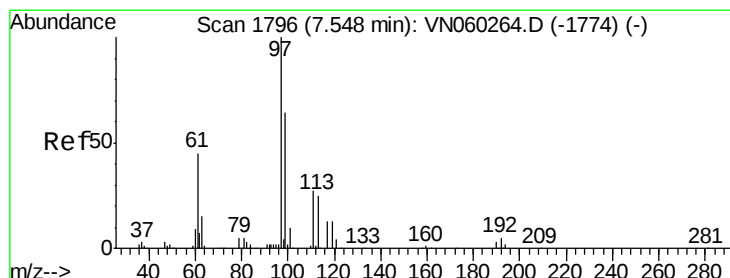
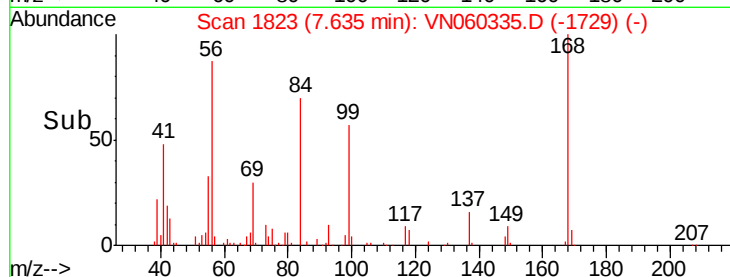
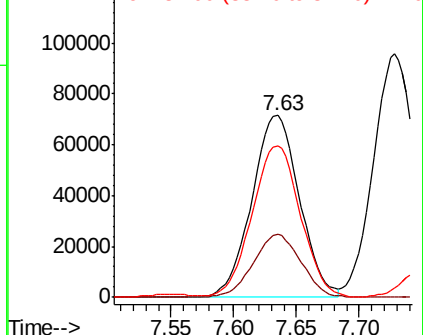
56 100

69 34.8 27.2 40.8

84 82.0 66.7 100.1



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



#32

1,1,1-Trichloroethane

Concen: 47.279 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VN060335.D

Acq: 3 Mar 2020 17:20

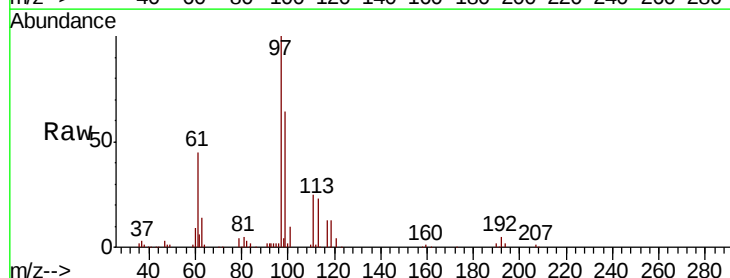
Tgt Ion: 97 Resp: 192948

Ion Ratio Lower Upper

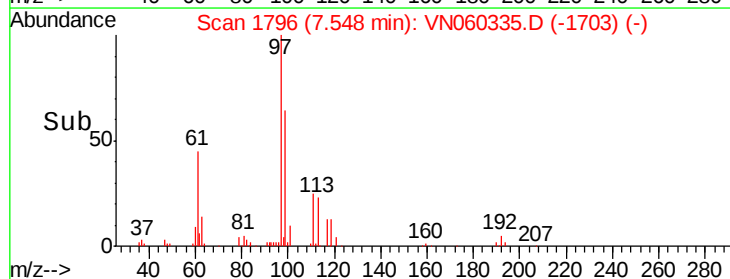
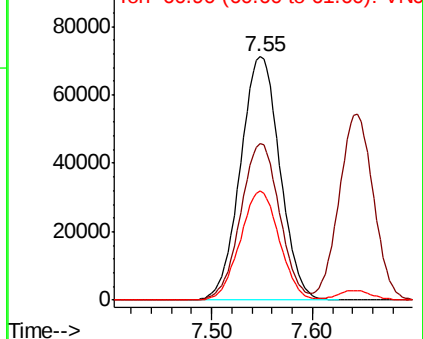
97 100

99 63.8 51.4 77.0

61 44.7 36.6 55.0



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

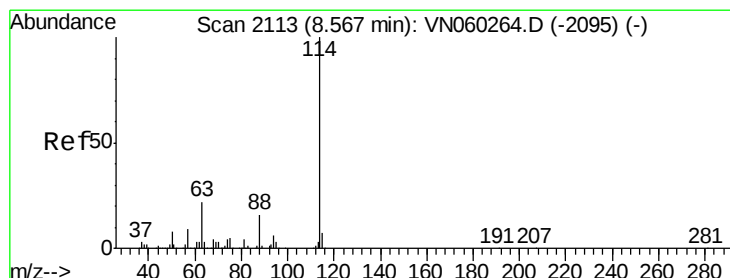
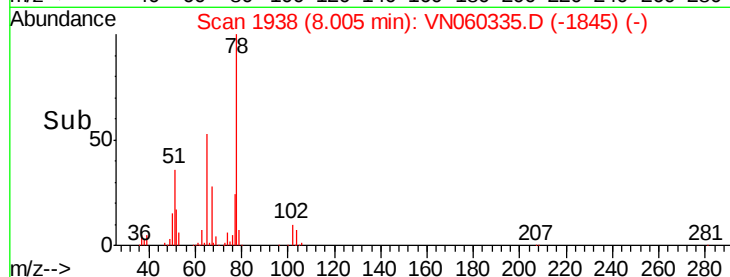
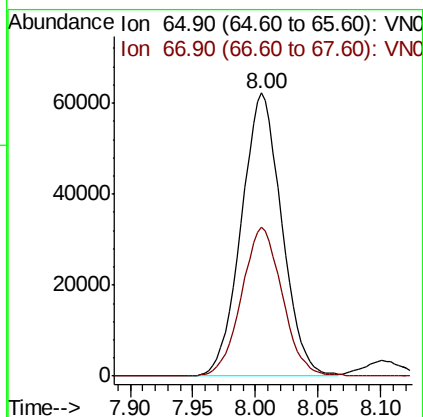
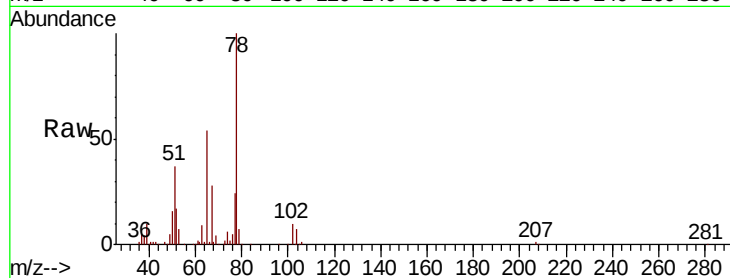




#33
 1,2-Dichloroethane-d4
 Concen: 47.745 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN060335.D
 Acq: 3 Mar 2020 17:20

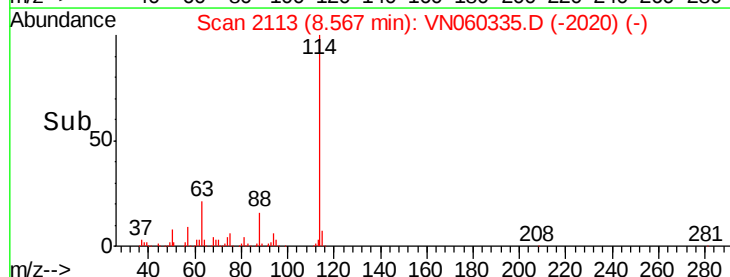
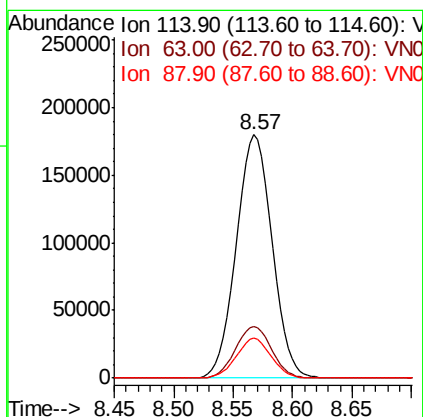
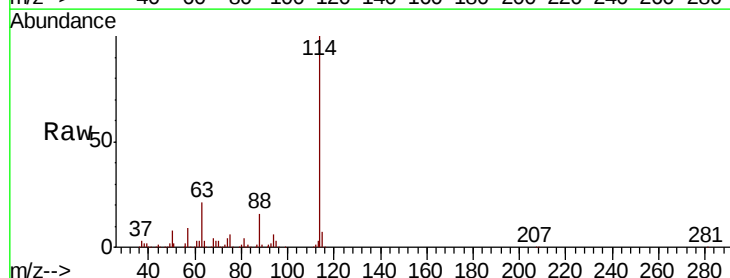
Instrument :
 MSVOA_N
 ClientSampleId :

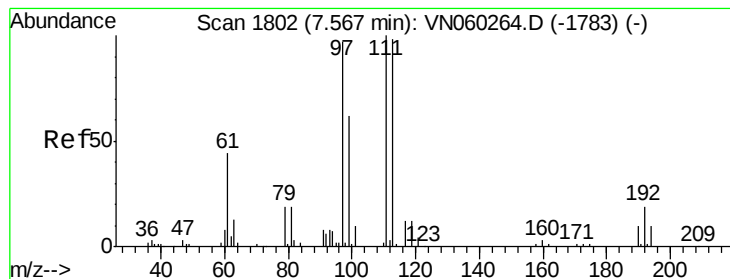
Tot Ion: 65 Resp: 139551
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060335.D
 Acq: 3 Mar 2020 17:20

Tgt Ion: 114 Resp: 375765
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 43.2
 88 16.3 0.0 31.6





#35

Dibromofluoromethane

Concen: 46.479 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN060335.D

Acq: 3 Mar 2020 17:20

Instrument :
MSVOA_N
ClientSampled :

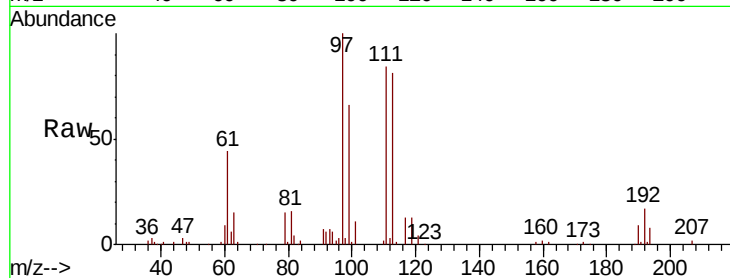
Tot Ion:113 Resp: 81068

Ion Ratio Lower Upper

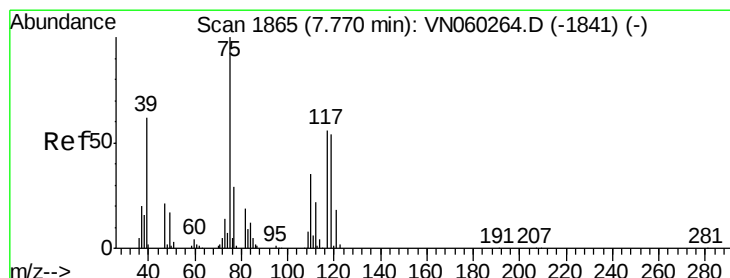
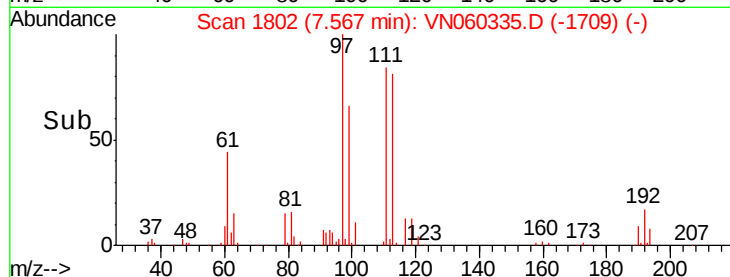
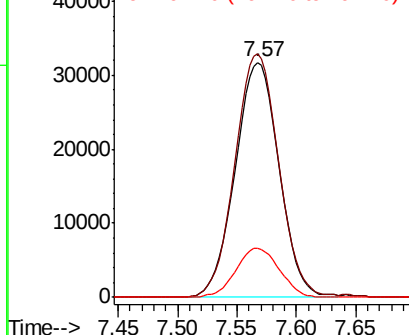
113 100

111 103.5 82.4 123.6

192 20.7 16.2 24.2



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



#36

1,1-Dichloropropene

Concen: 44.710 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. 0.00 min

Lab File: VN060335.D

Acq: 3 Mar 2020 17:20

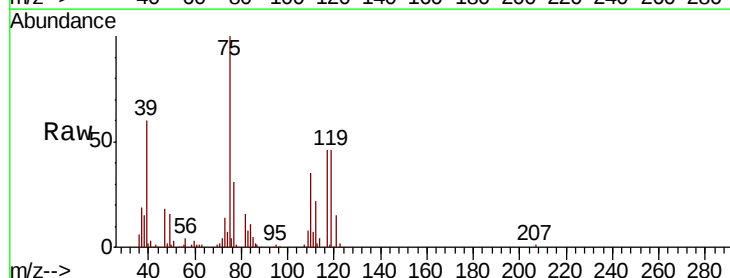
Tgt Ion: 75 Resp: 160116

Ion Ratio Lower Upper

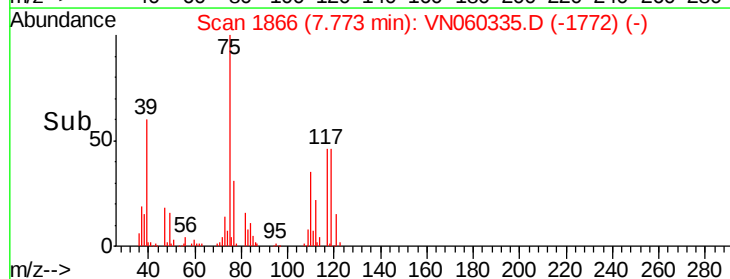
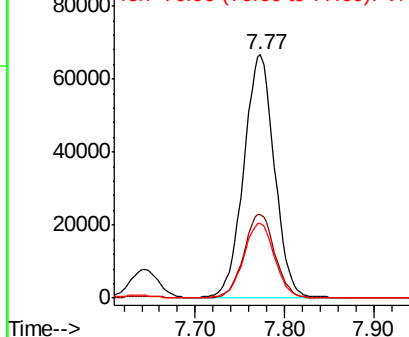
75 100

110 34.5 17.3 52.0

77 31.2 24.2 36.2



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

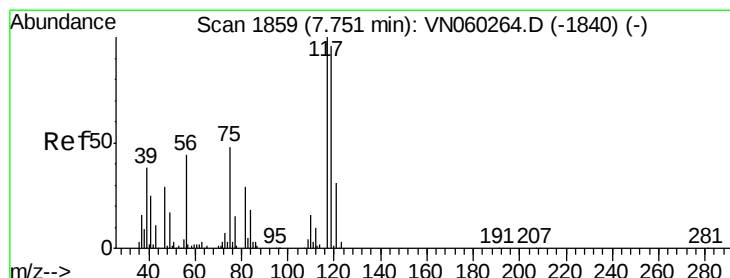
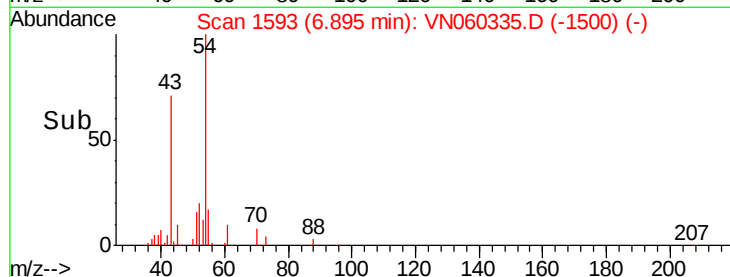
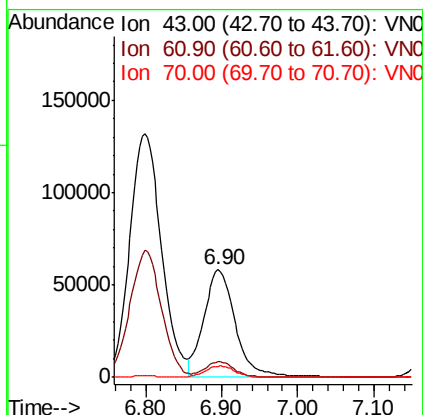
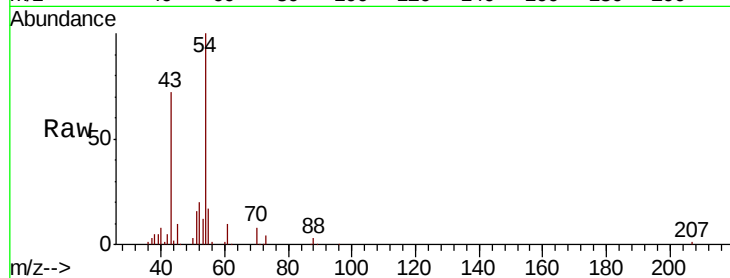




#37
Ethyl Acetate
Concen: 48.766 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN060335.D
Acq: 3 Mar 2020 17:20

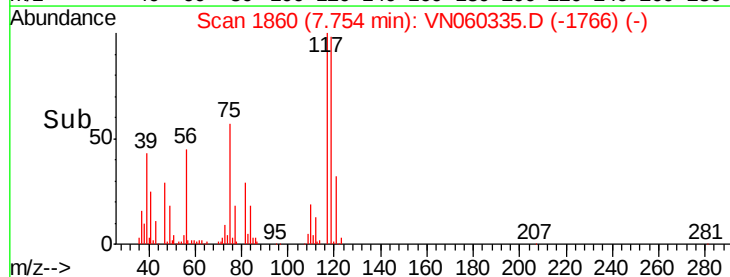
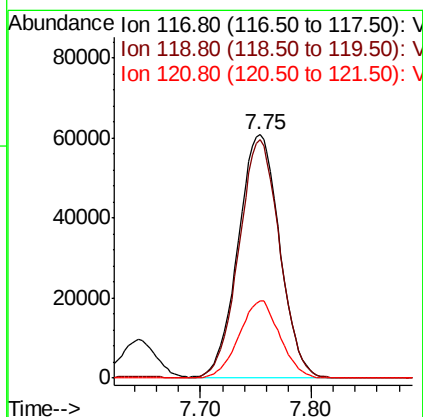
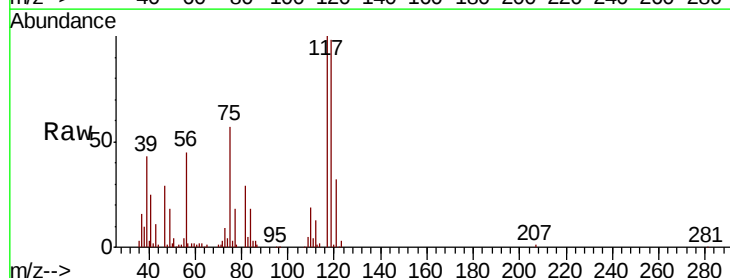
Instrument :
MSVOA_N
ClientSampled :

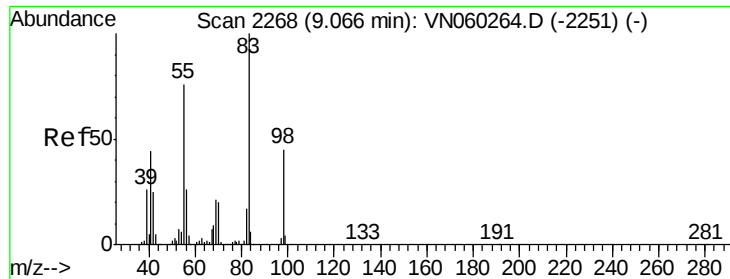
Tot Ion: 43 Resp: 165363
Ion Ratio Lower Upper
43 100
61 14.1 11.1 16.7
70 10.4 8.4 12.6



#38
Carbon Tetrachloride
Concen: 45.586 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN060335.D
Acq: 3 Mar 2020 17:20

Tgt Ion: 117 Resp: 158948
Ion Ratio Lower Upper
117 100
119 97.9 76.7 115.1
121 31.6 24.5 36.7

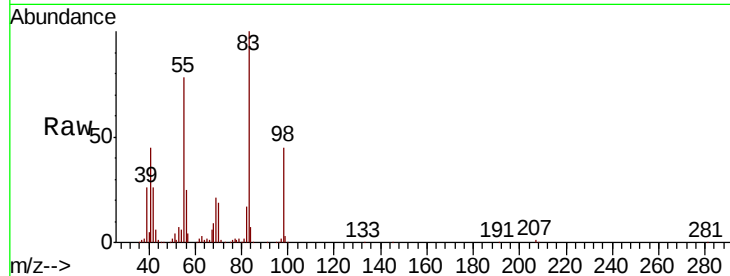




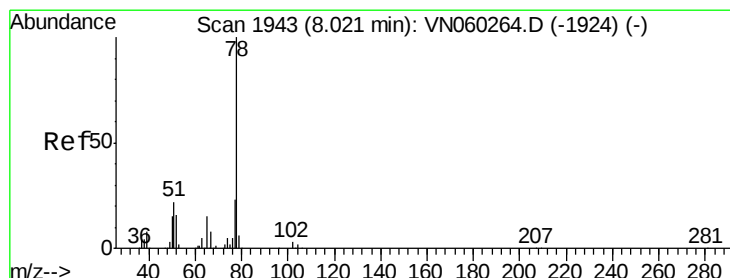
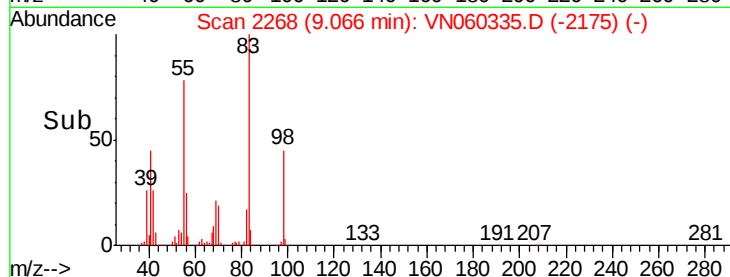
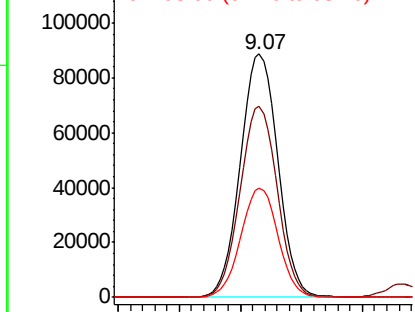
#39
Methvlcvclohexane
Concen: 44.684 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN060335.D
Acq: 3 Mar 2020 17:20

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 188677
Ion Ratio Lower Upper
83 100
55 78.1 61.0 91.4
98 45.1 36.1 54.1

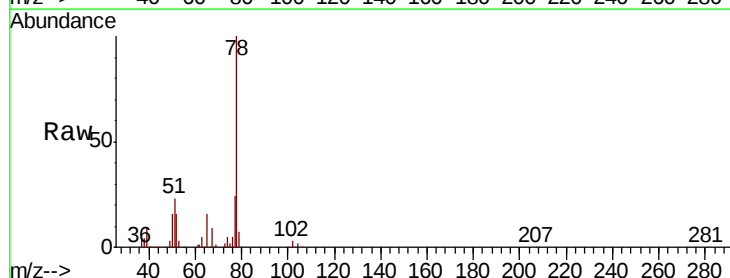


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

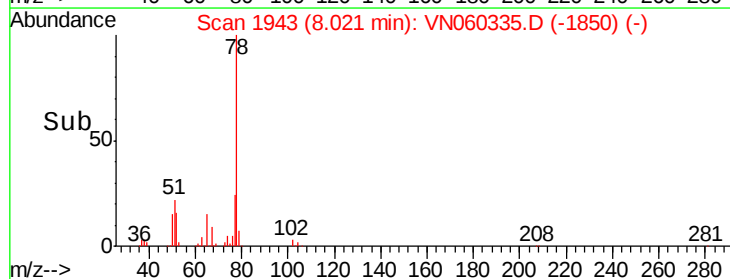
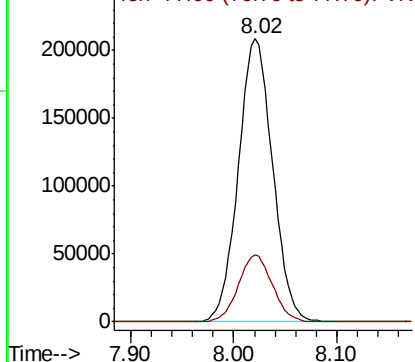


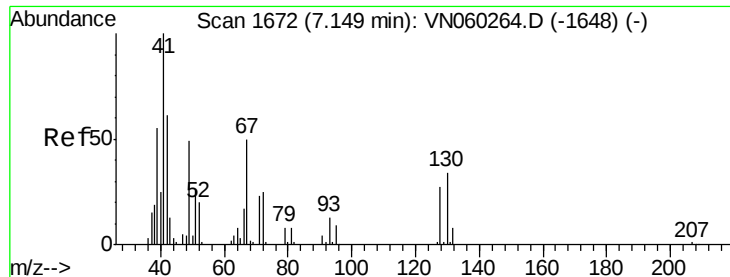
#40
Benzene
Concen: 46.304 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN060335.D
Acq: 3 Mar 2020 17:20

Tgt Ion: 78 Resp: 482640
Ion Ratio Lower Upper
78 100
77 23.7 18.8 28.2



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

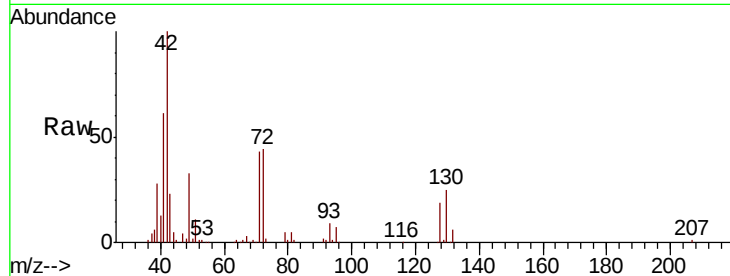




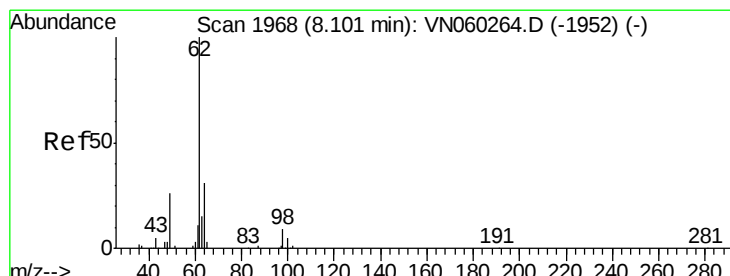
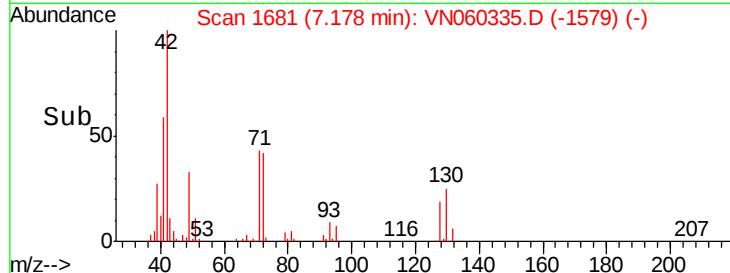
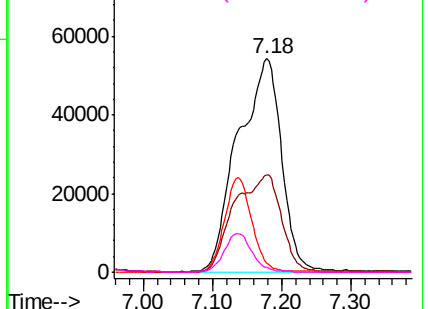
#41
Methacrylonitrile
Concen: 150.989 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.03 min
Lab File: VN060335.D
Acq: 3 Mar 2020 17:20

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 236409
Ion Ratio Lower Upper
41 100
39 49.8 0.0 0.0#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

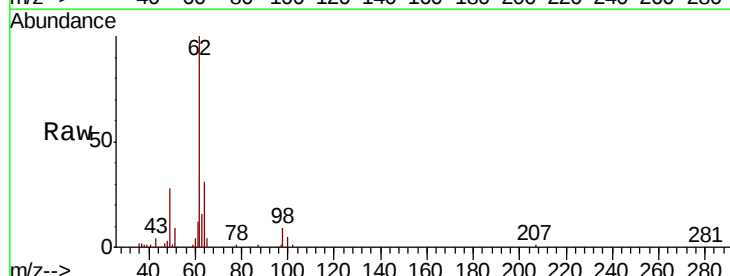


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

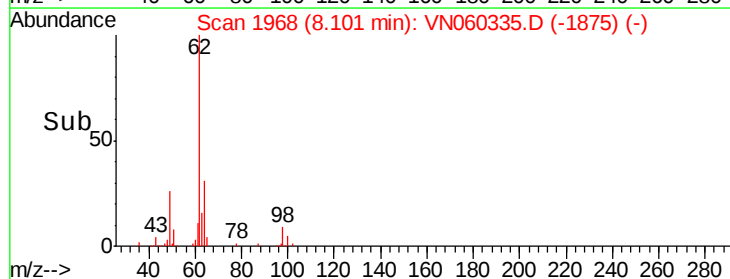
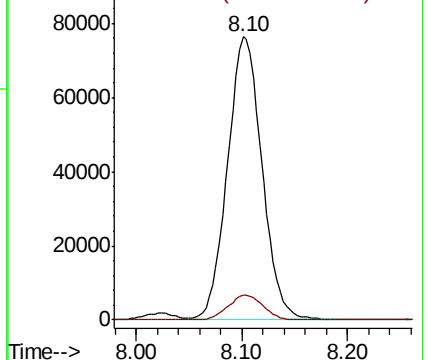


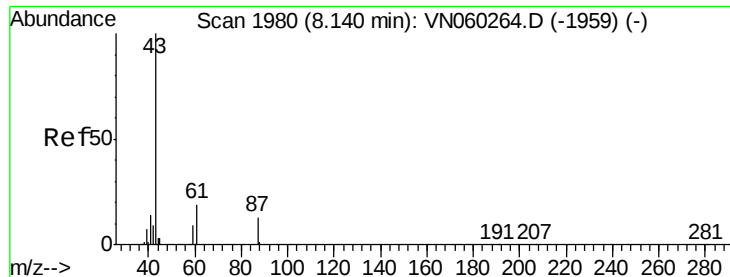
#42
1,2-Dichloroethane
Concen: 45.789 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060335.D
Acq: 3 Mar 2020 17:20

Tgt Ion: 62 Resp: 172227
Ion Ratio Lower Upper
62 100
98 8.8 0.0 17.0



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 48.159 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060335.D

Acq: 3 Mar 2020 17:20

Instrument :

MSVOA_N

ClientSampleId :

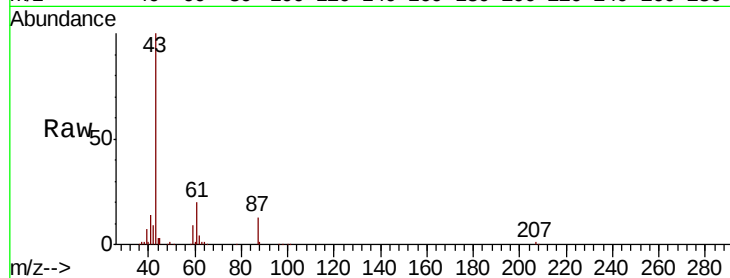
Tot Ion: 43 Resp: 285895

Ion Ratio Lower Upper

43 100

61 26.6 20.9 31.3

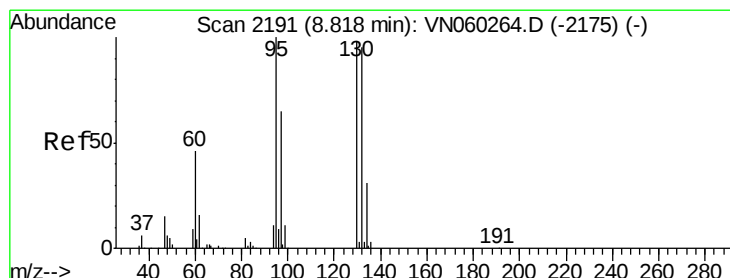
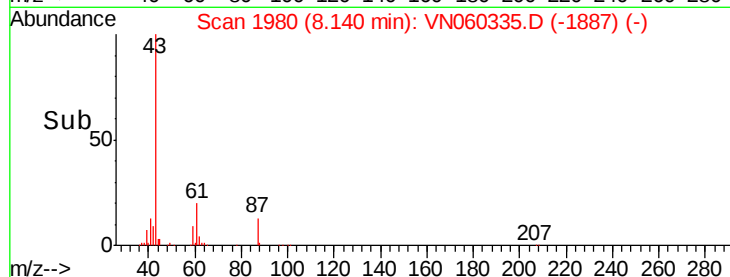
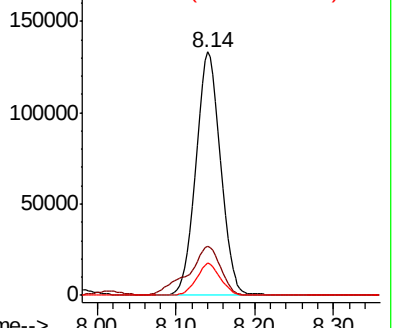
87 12.9 10.6 16.0



Abundance Ion 43.00 (42.70 to 43.70): VN060264.D (-1959) (-)

Ion 61.00 (60.70 to 61.70): VN060264.D (-1959) (-)

Ion 87.00 (86.70 to 87.70): VN060264.D (-1959) (-)



#44

Trichloroethene

Concen: 44.797 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VN060335.D

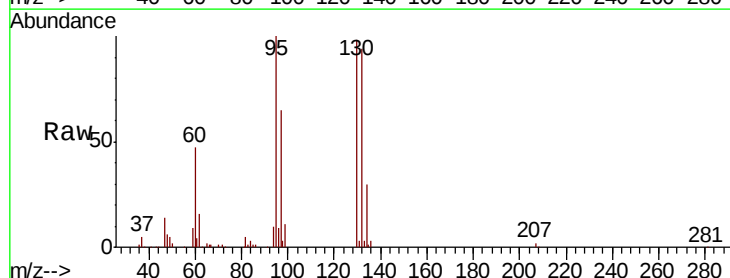
Acq: 3 Mar 2020 17:20

Tgt Ion:130 Resp: 130044

Ion Ratio Lower Upper

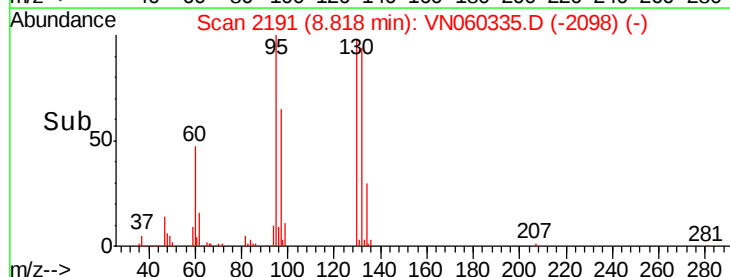
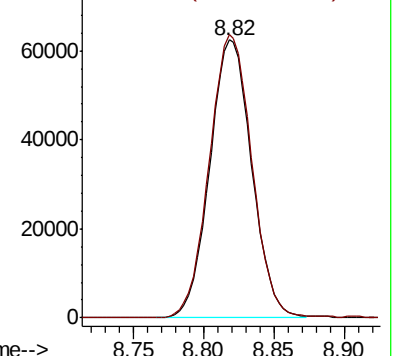
130 100

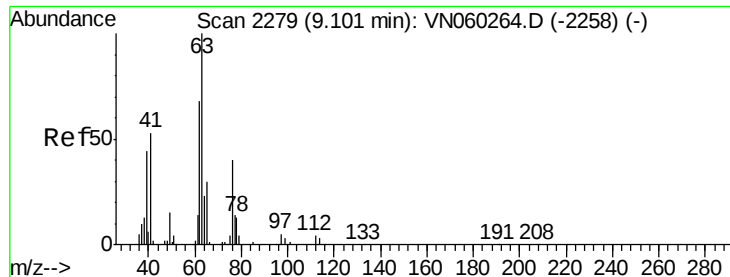
95 101.8 0.0 203.4



Abundance Ion 129.80 (129.50 to 130.50): VN060264.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN060264.D (-2175) (-)





#45

1,2-Dichloropropane

Concen: 48.606 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. 0.00 min

Lab File: VN060335.D

Acq: 3 Mar 2020 17:20

Instrument :

MSVOA_N

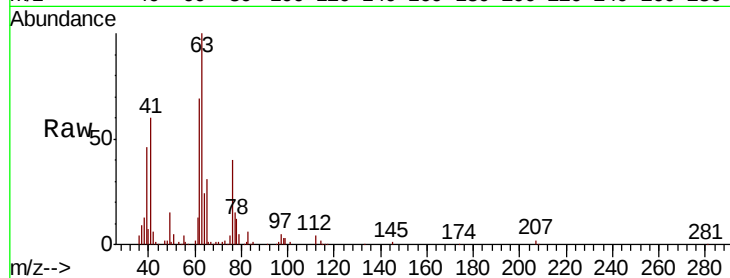
ClientSampleId :

Tot Ion: 63 Resp: 132462

Ion Ratio Lower Upper

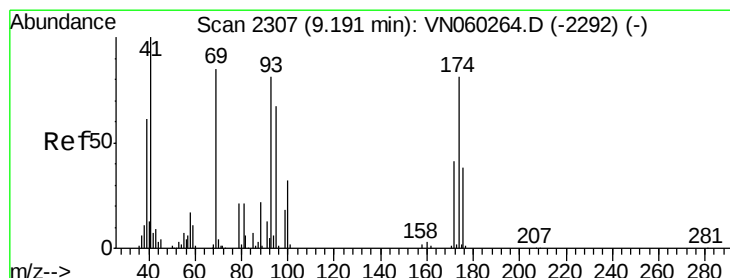
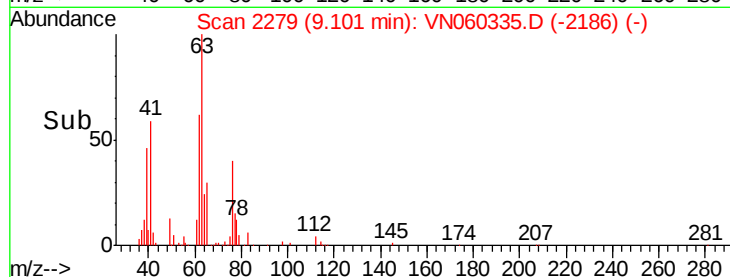
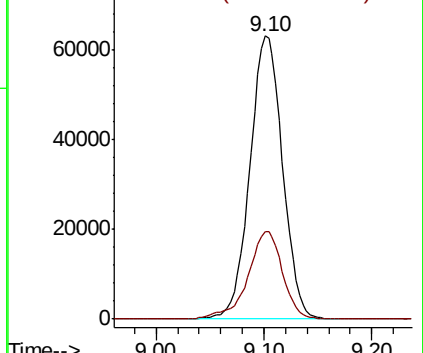
63 100

65 30.9 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN060335.D (-2186) (-)

Ion 64.90 (64.60 to 65.60): VN060335.D (-2186) (-)



#46

Dibromomethane

Concen: 46.519 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN060335.D

Acq: 3 Mar 2020 17:20

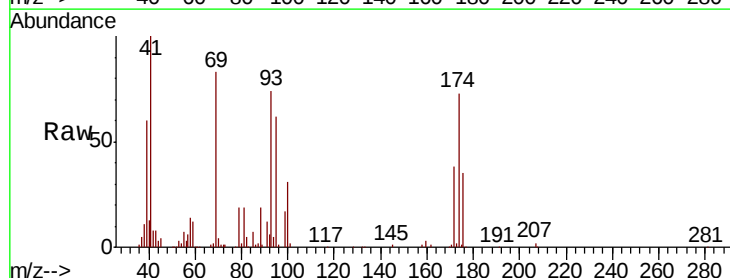
Tgt Ion: 93 Resp: 82260

Ion Ratio Lower Upper

93 100

95 83.5 65.9 98.9

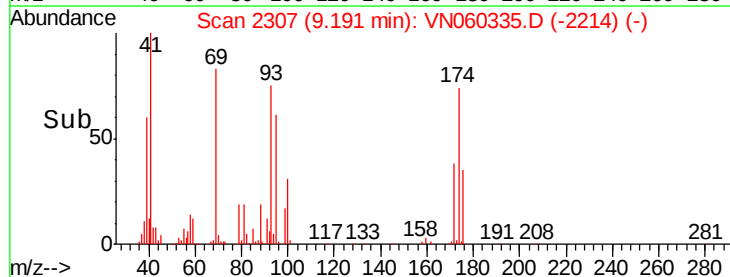
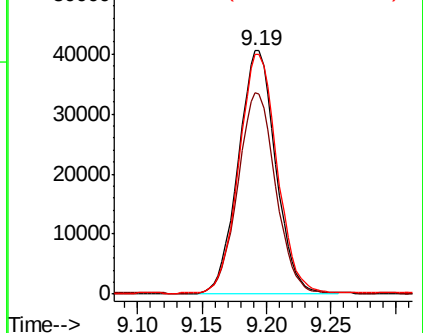
174 101.4 79.6 119.4

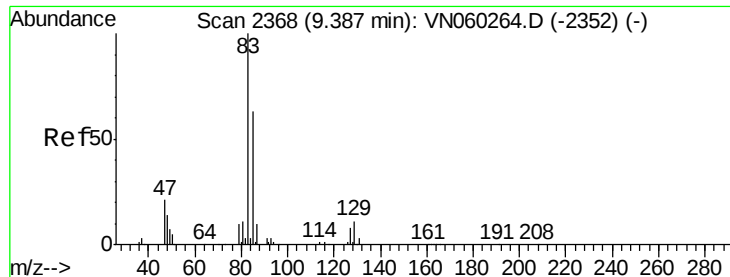


Abundance Ion 92.80 (92.50 to 93.50): VN060335.D (-2214) (-)

Ion 94.80 (94.50 to 95.50): VN060335.D (-2214) (-)

Ion 173.70 (173.40 to 174.40): VN060335.D (-2214) (-)





#47

Bromodichloromethane

Concen: 48.235 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN060335.D

Acq: 3 Mar 2020 17:20

Instrument :
MSVOA_N
ClientSampled :

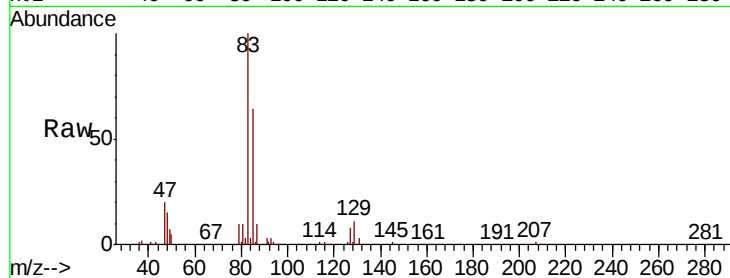
Tot Ion: 83 Resp: 173476

Ion Ratio Lower Upper

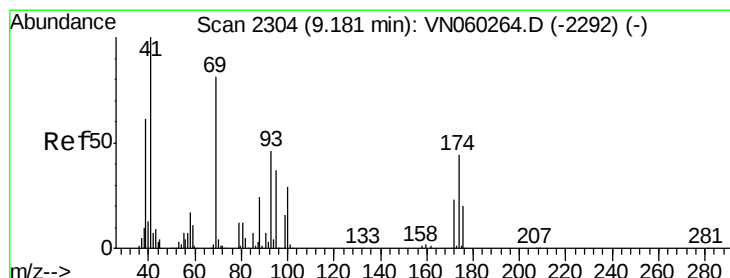
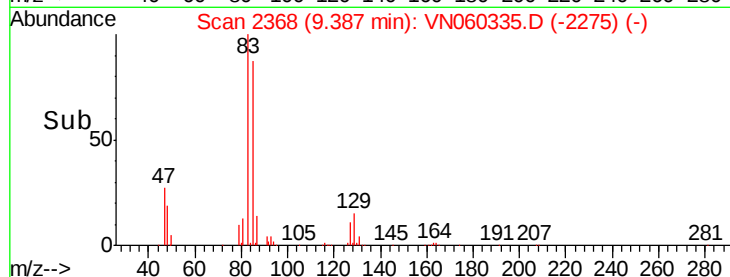
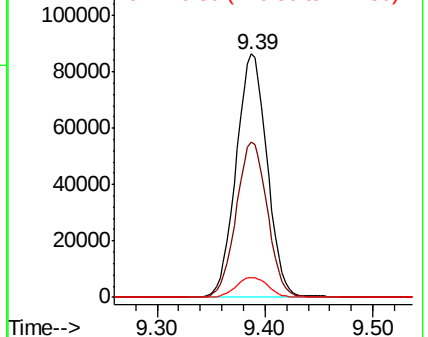
83 100

85 63.9 50.7 76.1

127 8.2 6.8 10.2



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



#48

Methyl methacrylate

Concen: 47.298 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. 0.00 min

Lab File: VN060335.D

Acq: 3 Mar 2020 17:20

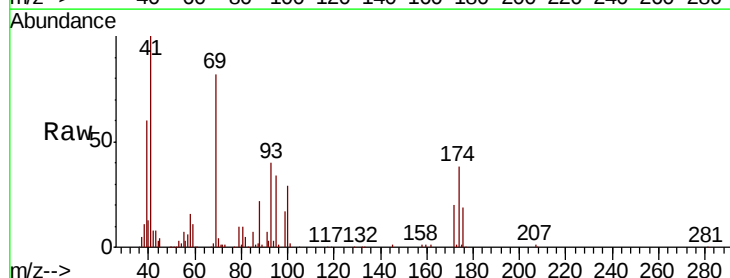
Tgt Ion: 41 Resp: 128041

Ion Ratio Lower Upper

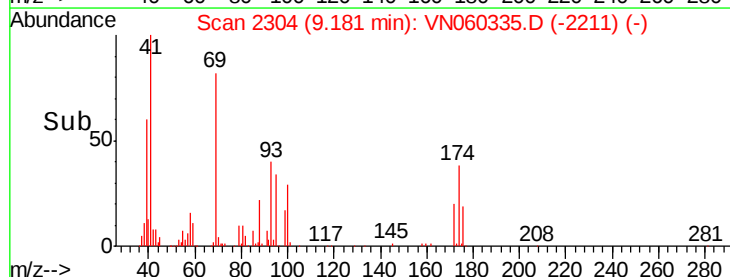
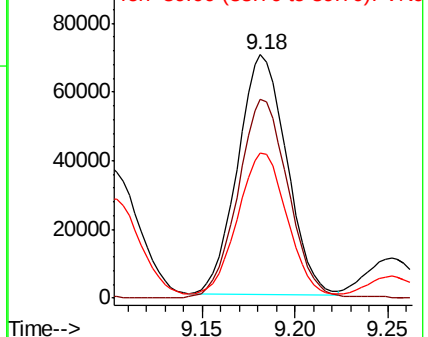
41 100

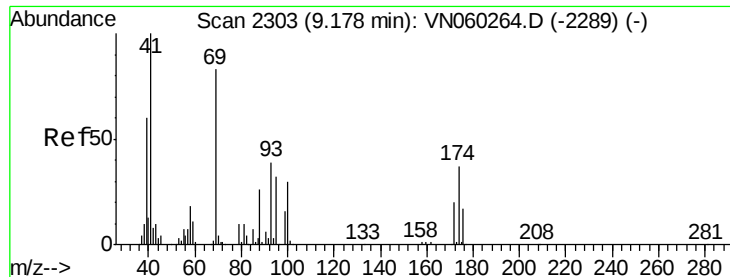
69 85.4 66.7 100.1

39 61.7 50.1 75.1



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

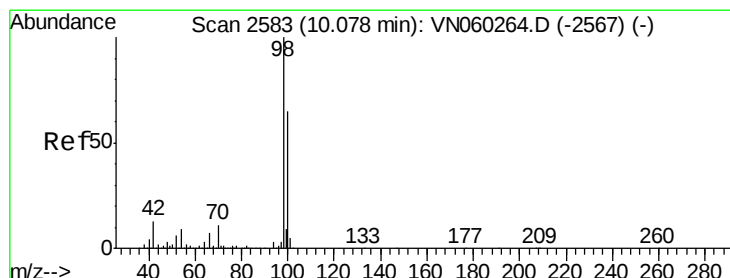
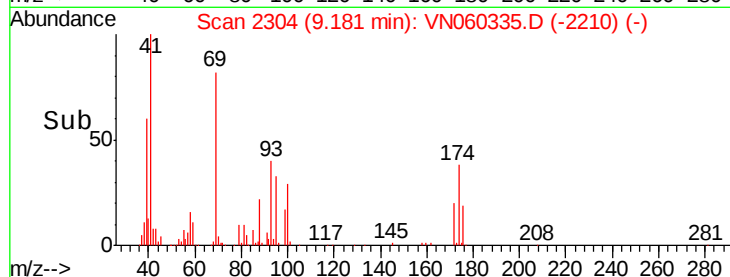
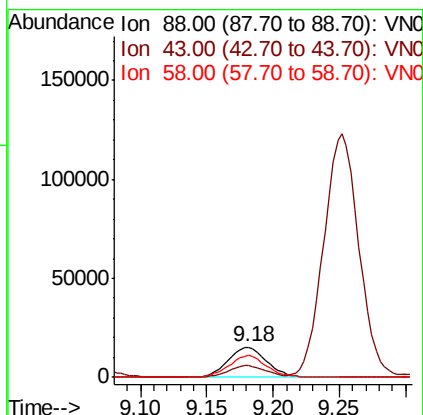
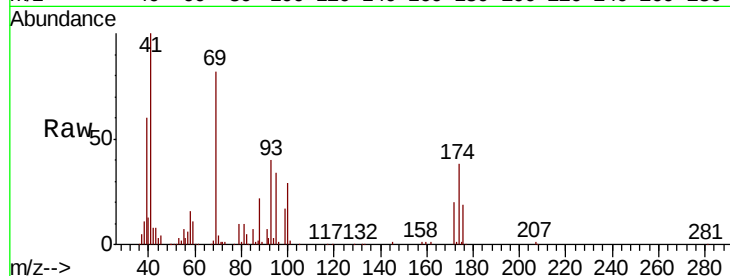




#49
1,4-Dioxane
Concen: 809.287 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060335.D
Acq: 3 Mar 2020 17:20

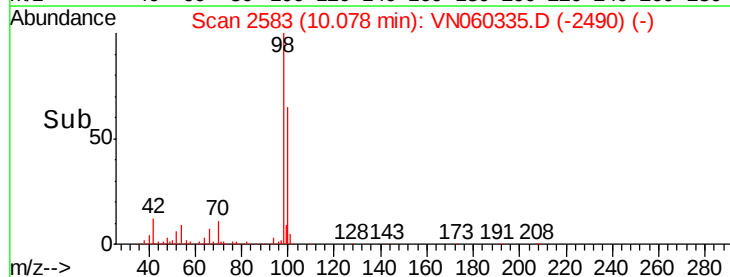
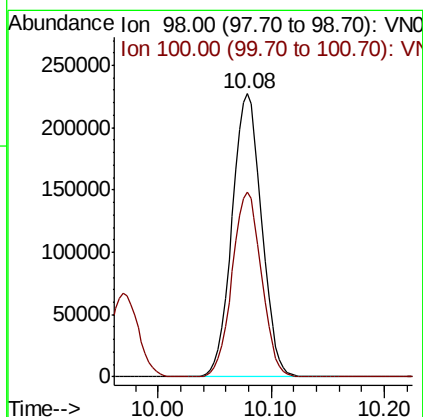
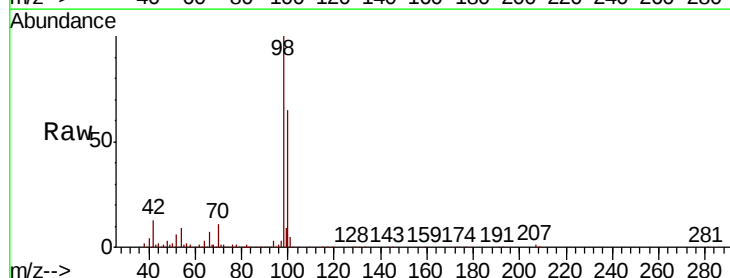
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 30809
Ion Ratio Lower Upper
88 100
43 38.9 30.4 45.6
58 70.7 57.0 85.6



#50
Toluene-d8
Concen: 46.870 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060335.D
Acq: 3 Mar 2020 17:20

Tgt Ion: 98 Resp: 413742
Ion Ratio Lower Upper
98 100
100 64.8 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 247.120 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060335.D

Acq: 3 Mar 2020 17:20

Instrument :

MSVOA_N

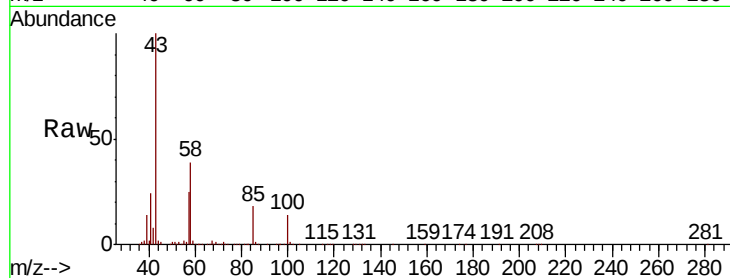
ClientSampleId :

Tot Ion: 43 Resp: 831775

Ion Ratio Lower Upper

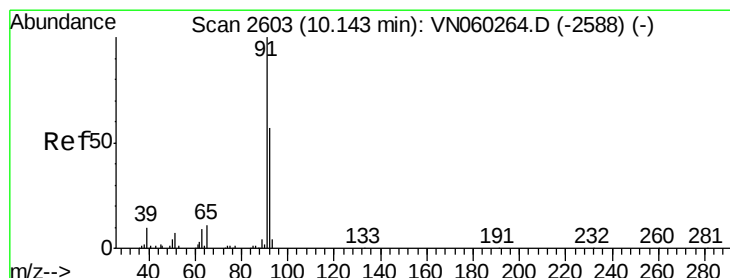
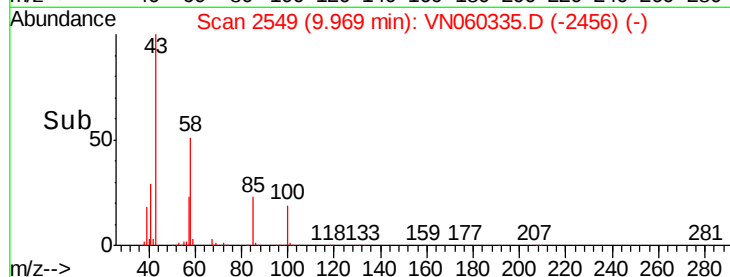
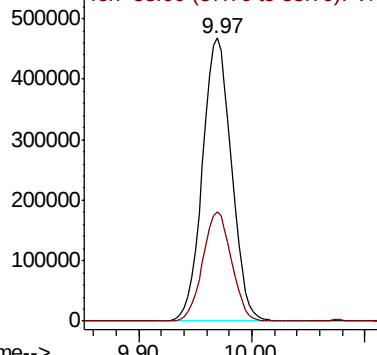
43 100

58 38.6 30.9 46.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 46.433 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060335.D

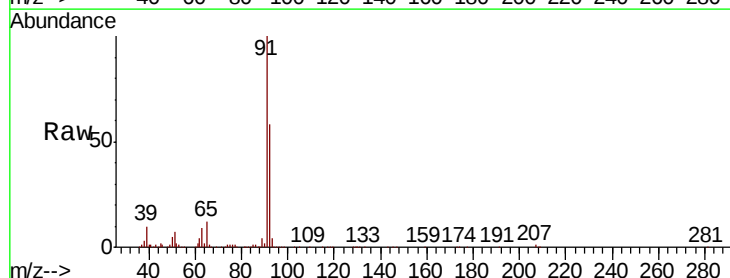
Acq: 3 Mar 2020 17:20

Tgt Ion: 92 Resp: 304023

Ion Ratio Lower Upper

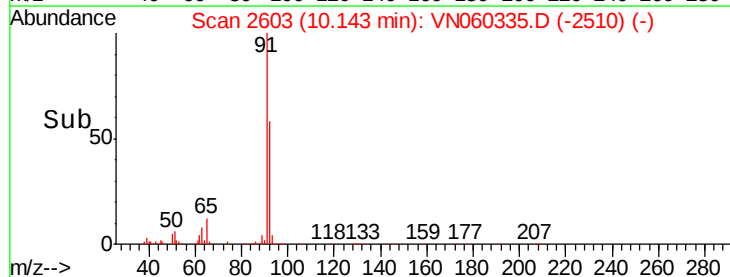
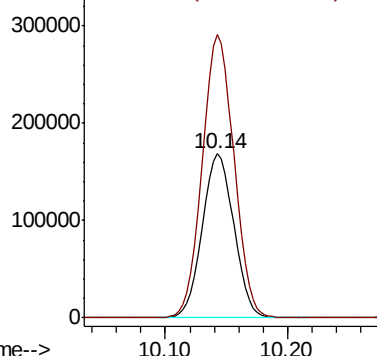
92 100

91 172.4 138.1 207.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 46.049 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. 0.00 min

Lab File: VN060335.D

Acq: 3 Mar 2020 17:20

Instrument :

MSVOA_N

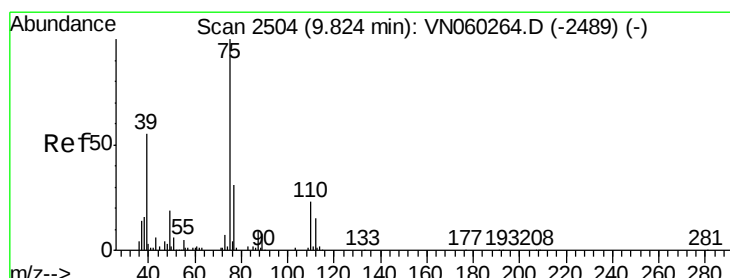
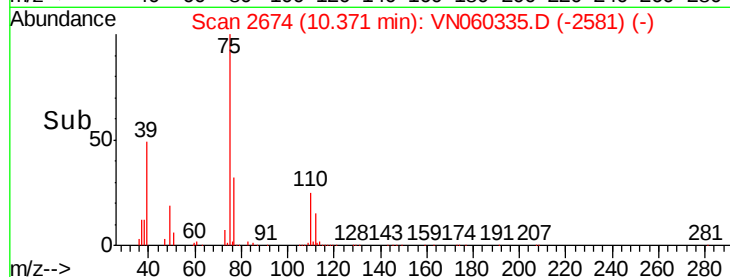
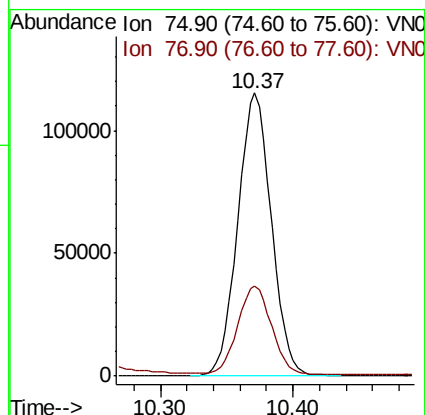
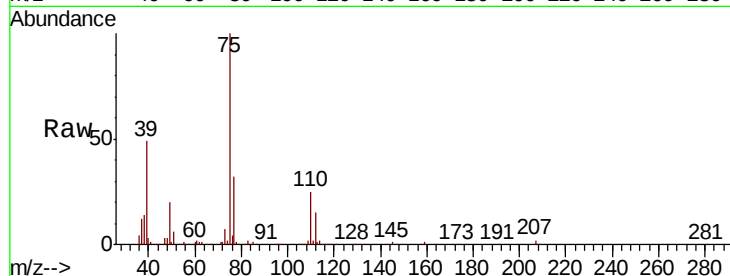
ClientSampled :

Tot Ion: 75 Resp: 202930

Ion Ratio Lower Upper

75 100

77 31.2 24.8 37.2



#54

cis-1,3-Dichloropropene

Concen: 46.689 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN060335.D

Acq: 3 Mar 2020 17:20

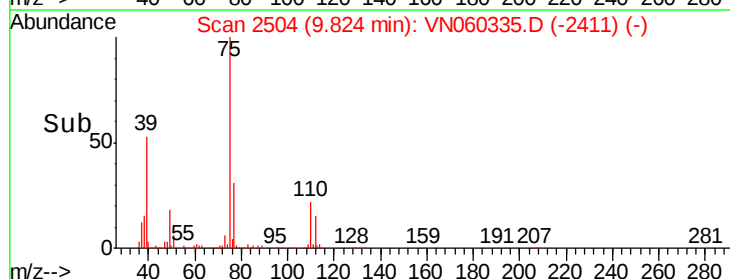
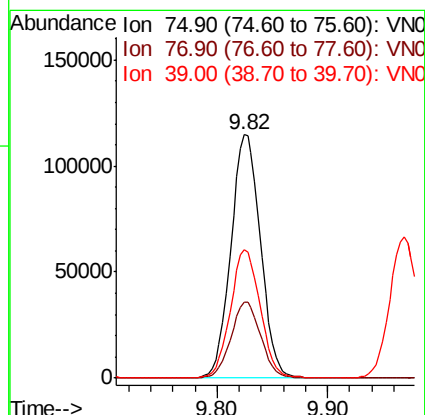
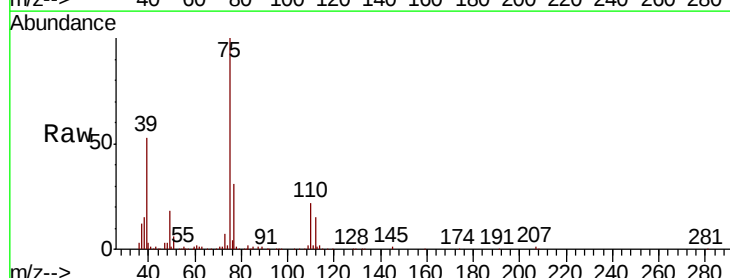
Tgt Ion: 75 Resp: 213199

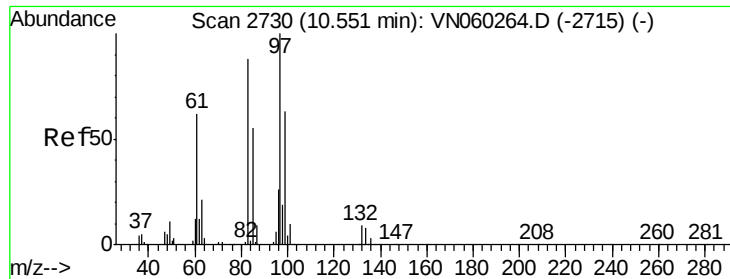
Ion Ratio Lower Upper

75 100

77 31.2 24.8 37.2

39 52.7 43.8 65.8

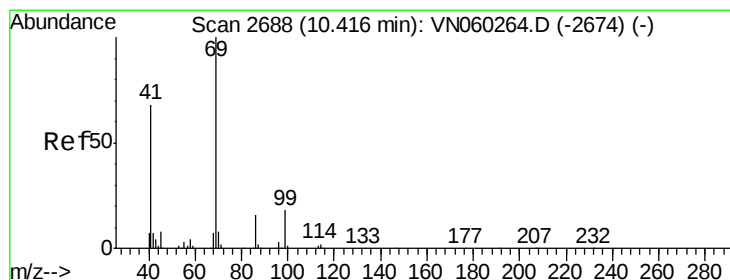
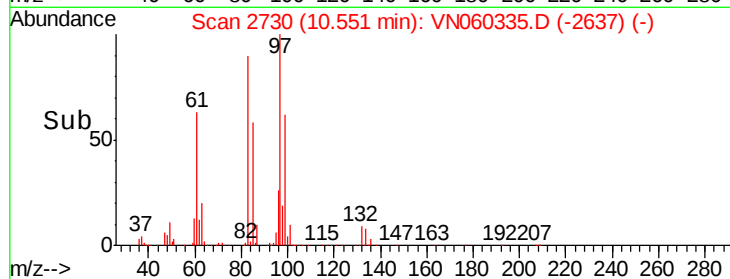
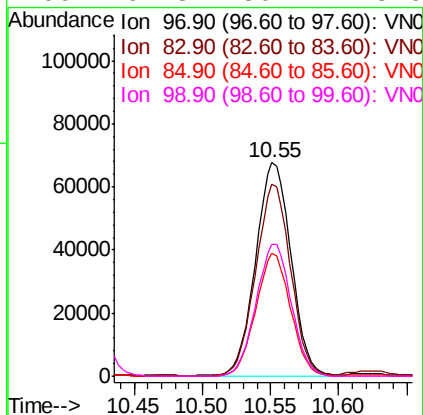
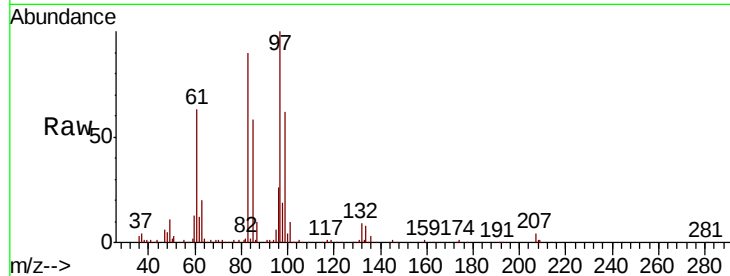




#55
 1,1,2-Trichloroethane
 Concen: 46.206 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060335.D
 Acq: 3 Mar 2020 17:20

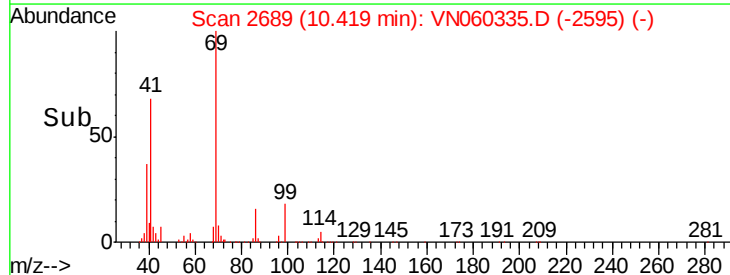
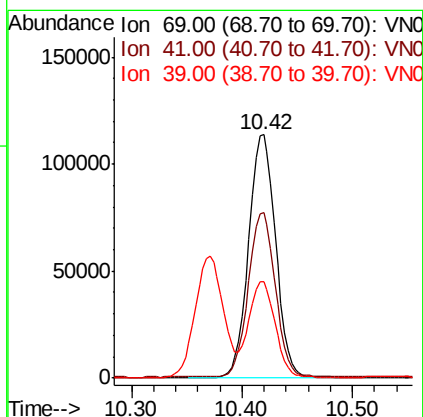
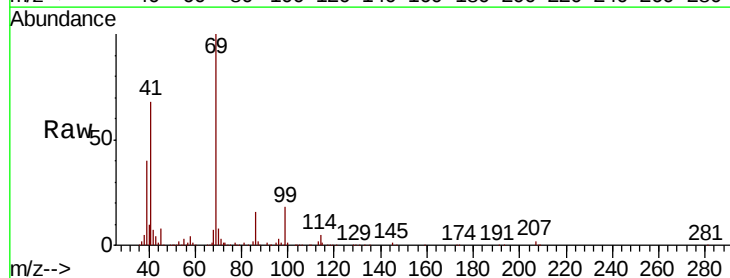
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:	97	Resp:	121663
Ion	Ratio	Lower	Upper
97	100		
83	89.7	70.0	105.0
85	57.7	44.0	66.0
99	61.8	50.4	75.6



#56
 Ethyl methacrylate
 Concen: 50.849 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN060335.D
 Acq: 3 Mar 2020 17:20

Tgt Ion:	69	Resp:	192351
Ion	Ratio	Lower	Upper
69	100		
41	67.4	54.1	81.1
39	38.2	32.5	48.7

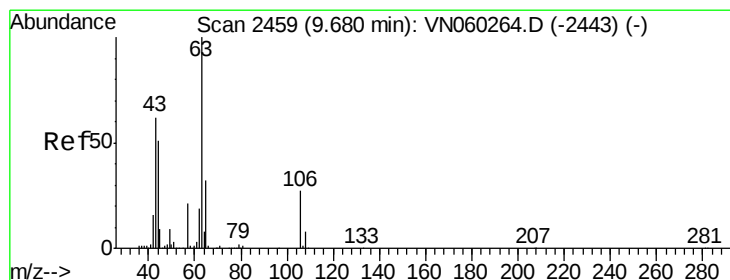
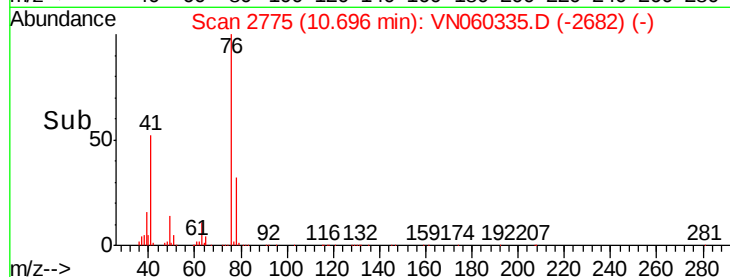
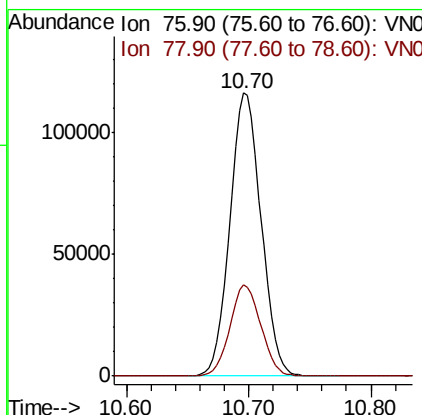
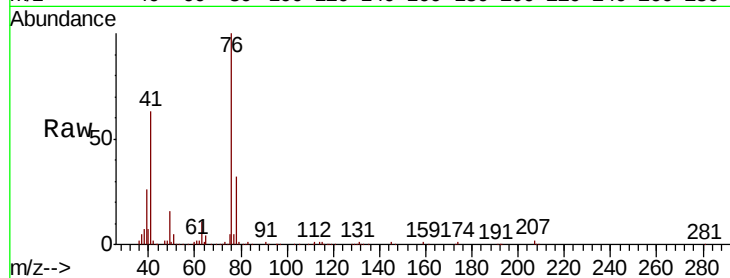




#57
 1,3-Dichloropropane
 Concen: 48.265 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN060335.D
 Acq: 3 Mar 2020 17:20

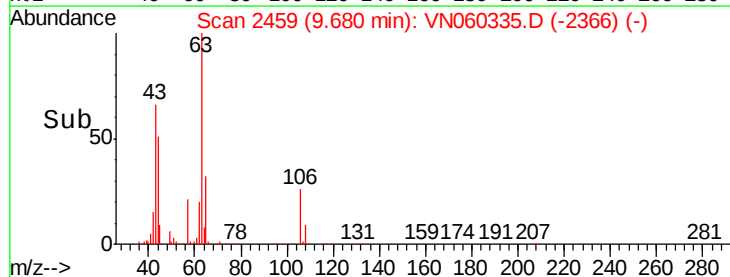
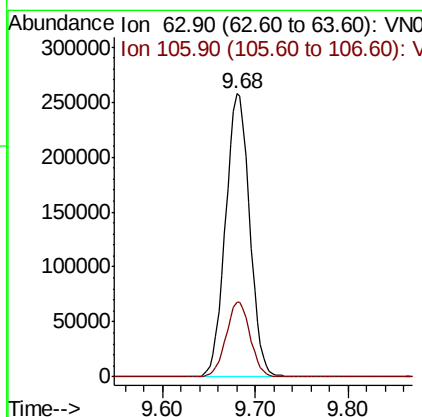
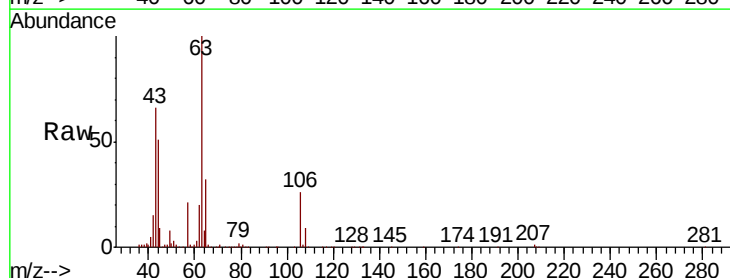
Instrument :
 MSVOA_N
 ClientSampleId :

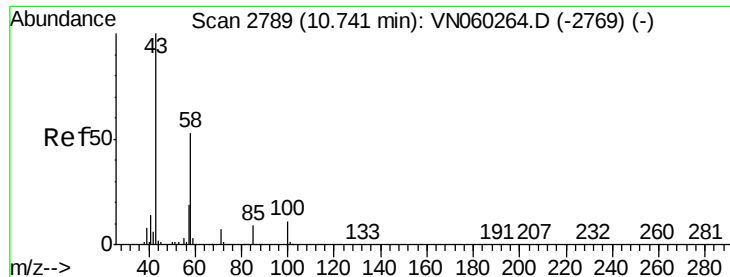
Tot Ion: 76 Resp: 207251
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 235.222 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. 0.00 min
 Lab File: VN060335.D
 Acq: 3 Mar 2020 17:20

Tgt Ion: 63 Resp: 465370
 Ion Ratio Lower Upper
 63 100
 106 26.4 21.1 31.7

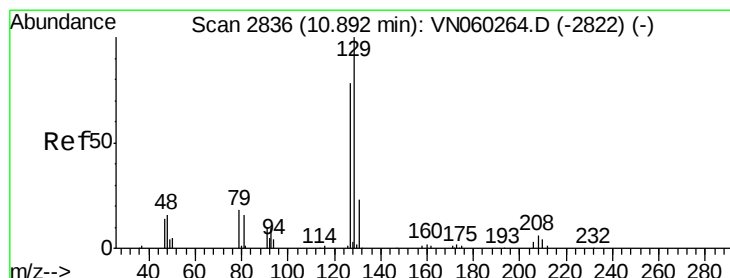
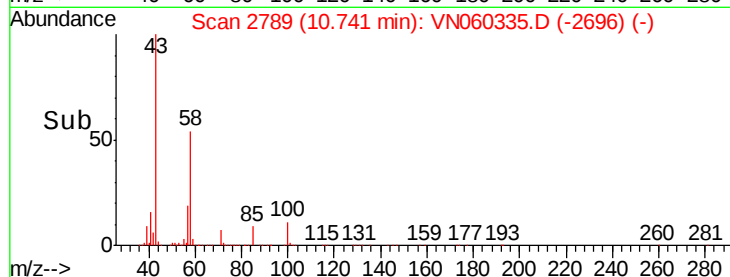
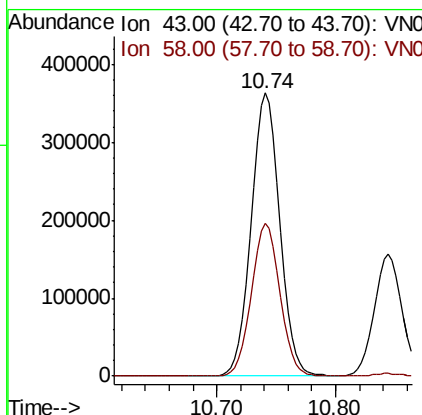
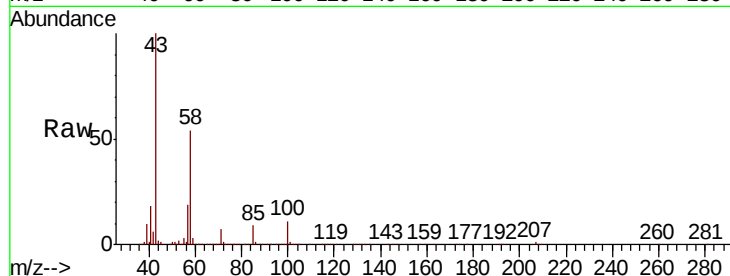




#59
2-Hexanone
Concen: 243.502 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060335.D
Acq: 3 Mar 2020 17:20

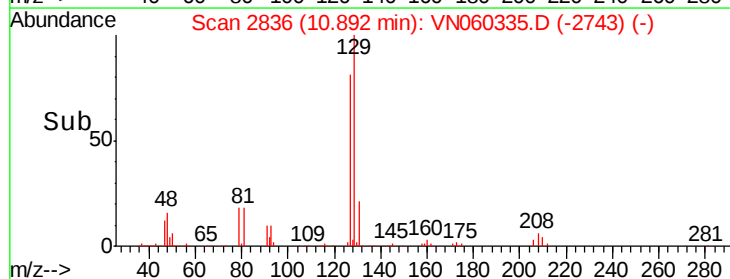
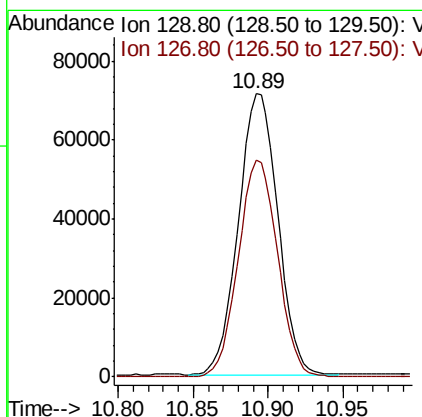
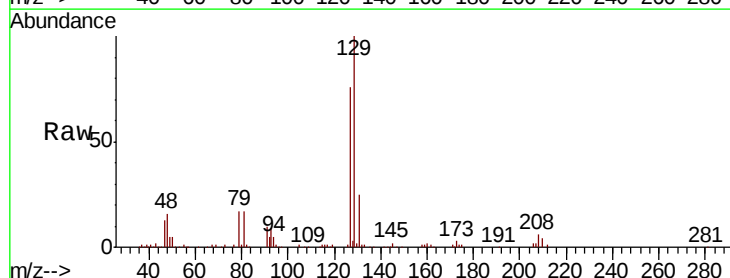
Instrument :
MSVOA_N
ClientSampled :

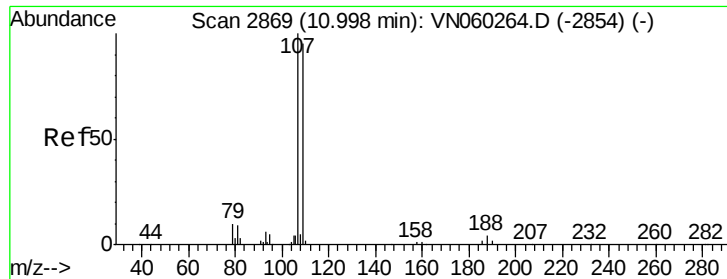
Tot Ion: 43 Resp: 601769
Ion Ratio Lower Upper
43 100
58 54.0 26.5 79.5



#60
Dibromochloromethane
Concen: 48.658 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060335.D
Acq: 3 Mar 2020 17:20

Tgt Ion: 129 Resp: 130292
Ion Ratio Lower Upper
129 100
127 77.4 38.9 116.7





#61

1,2-Dibromoethane

Concen: 47.994 ug/l

RT: 11.00 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VN060335.D

Acq: 3 Mar 2020 17:20

Instrument :

MSVOA_N

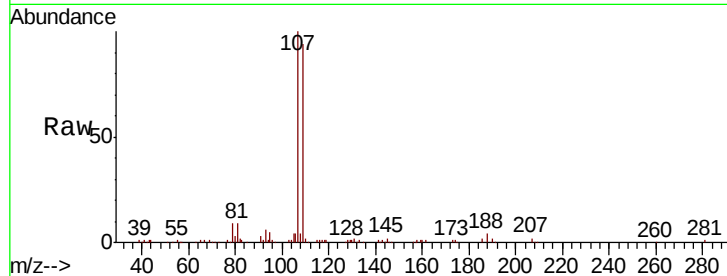
ClientSampleId :

Tot Ion: 107 Resp: 123189

Ion Ratio Lower Upper

107 100

109 93.8 76.8 115.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

80000

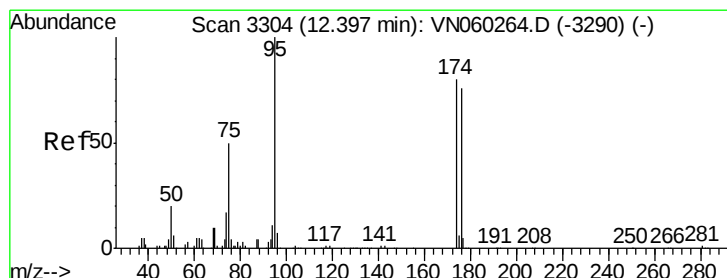
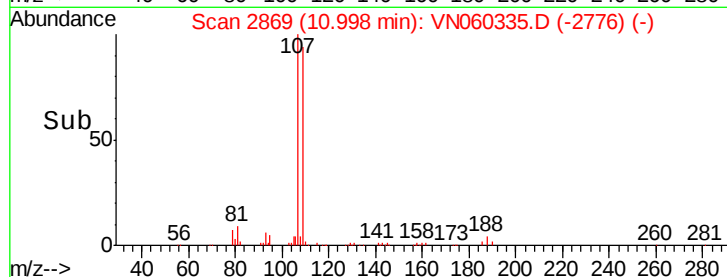
60000

40000

20000

0

Time--> 10.90 10.95 11.00 11.05



#62

4-Bromofluorobenzene

Concen: 48.056 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060335.D

Acq: 3 Mar 2020 17:20

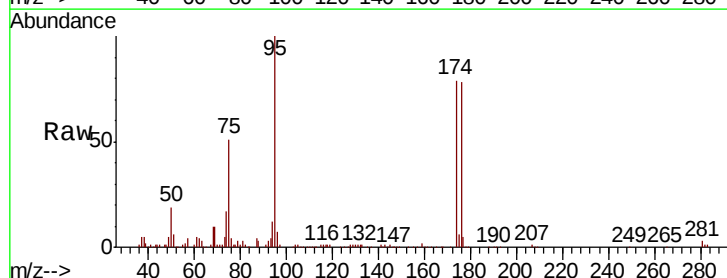
Tgt Ion: 95 Resp: 160809

Ion Ratio Lower Upper

95 100

174 78.5 0.0 159.2

176 78.3 0.0 153.8



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

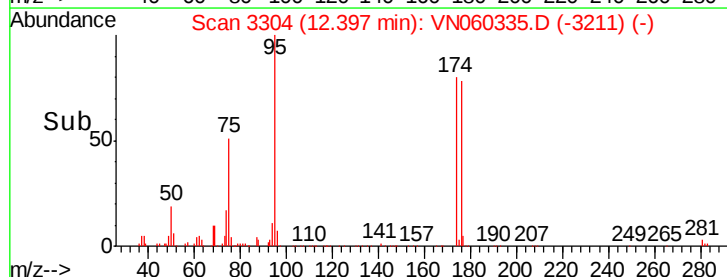
12.40

100000

50000

0

Time--> 12.30 12.40





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN060335.D

Acq: 3 Mar 2020 17:20

Instrument :

MSVOA_N

ClientSampled :

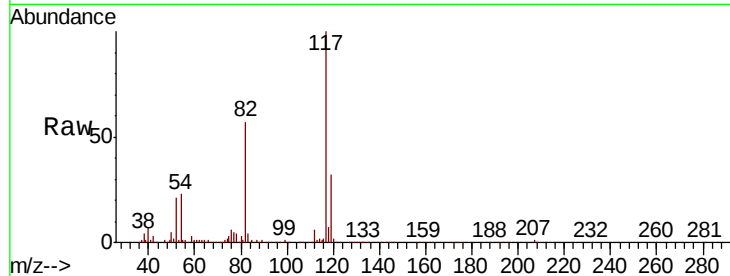
Tot Ion:117 Resp: 352036

Ion Ratio Lower Upper

117 100

82 57.1 45.8 68.6

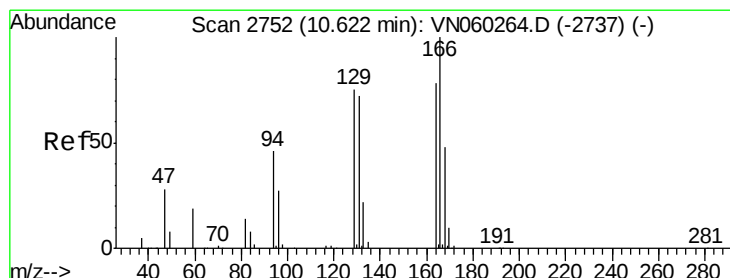
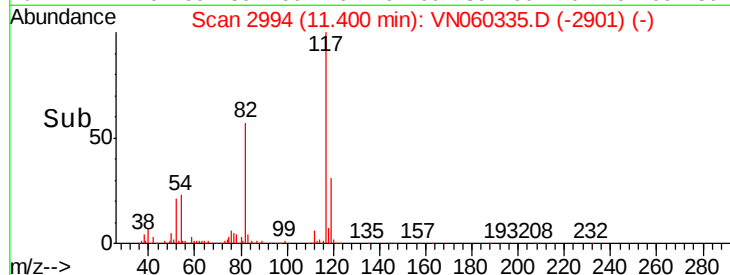
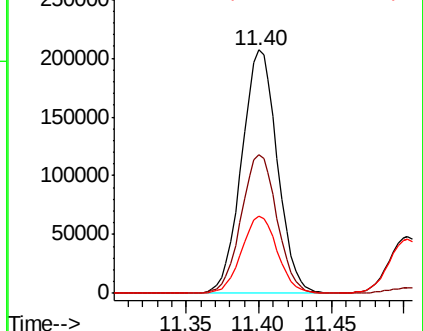
119 31.5 25.8 38.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 47.616 ug/l

RT: 10.62 min Scan# 2752

Delta R.T. 0.00 min

Lab File: VN060335.D

Acq: 3 Mar 2020 17:20

Tgt Ion:164 Resp: 132166

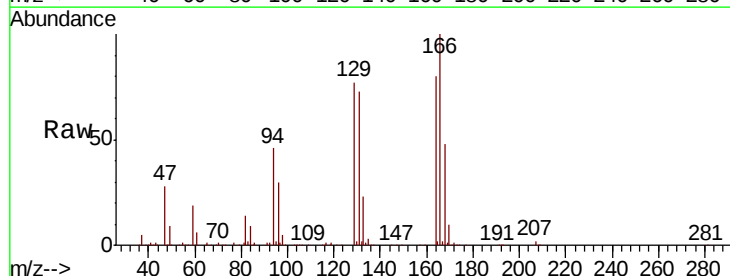
Ion Ratio Lower Upper

164 100

166 124.7 102.0 153.0

129 95.3 76.4 114.6

131 90.6 73.6 110.4

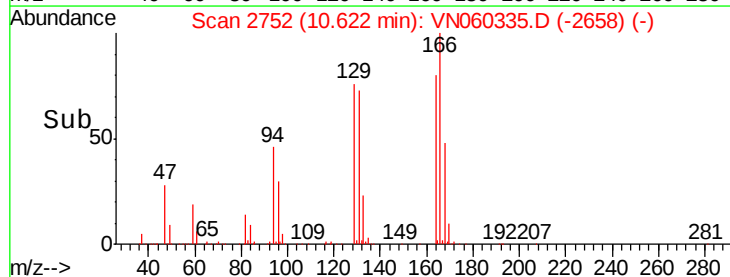
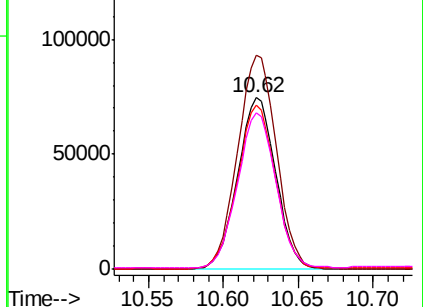


Abundance Ion 163.80 (163.50 to 164.50): V

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

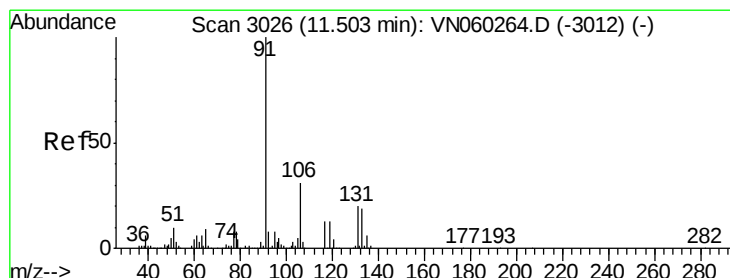
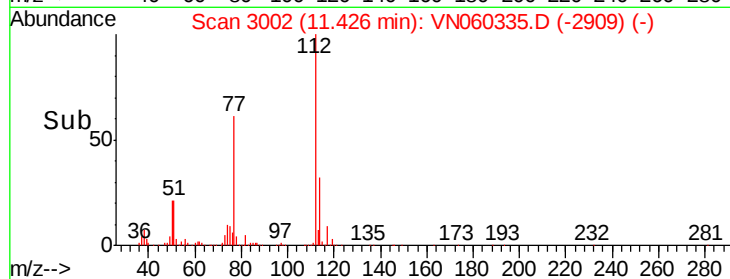
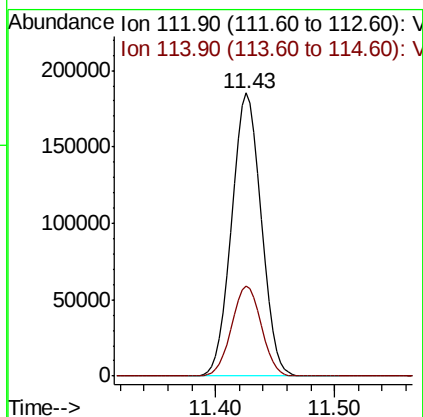
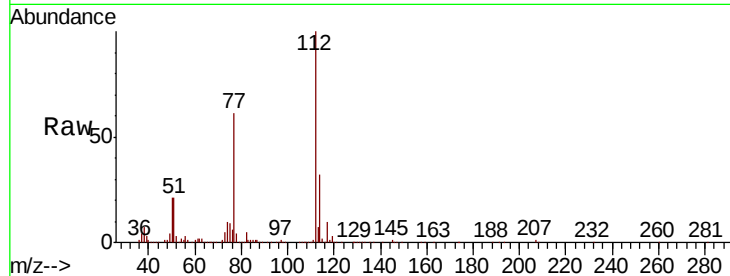




#65
Chlorobenzene
Concen: 44.916 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN060335.D
Acq: 3 Mar 2020 17:20

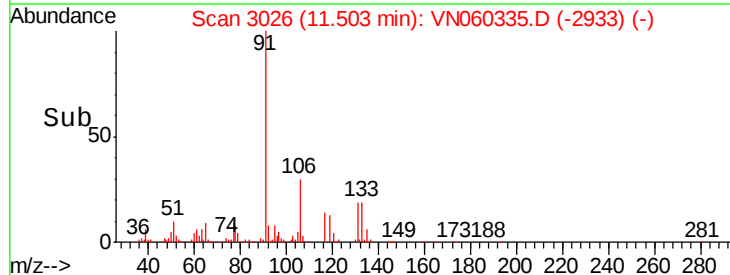
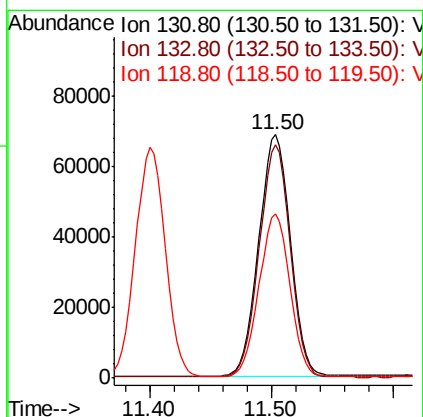
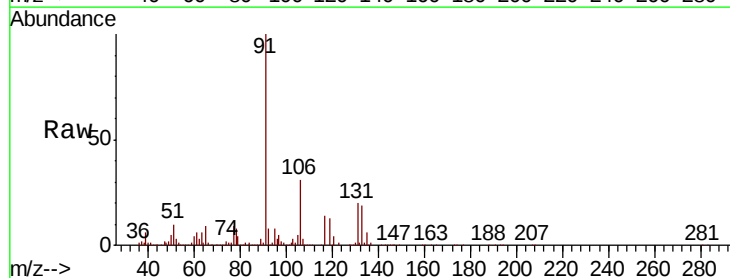
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:112 Resp: 319282
Ion Ratio Lower Upper
112 100
114 31.8 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 46.926 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060335.D
Acq: 3 Mar 2020 17:20

Tgt Ion:131 Resp: 123338
Ion Ratio Lower Upper
131 100
133 93.9 47.7 143.1
119 65.9 33.2 99.6

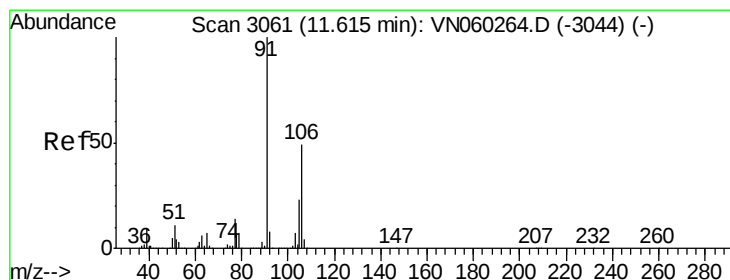
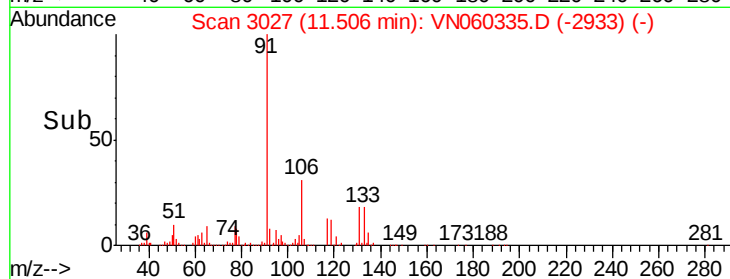
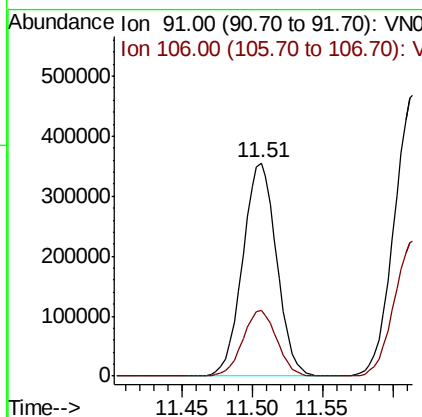
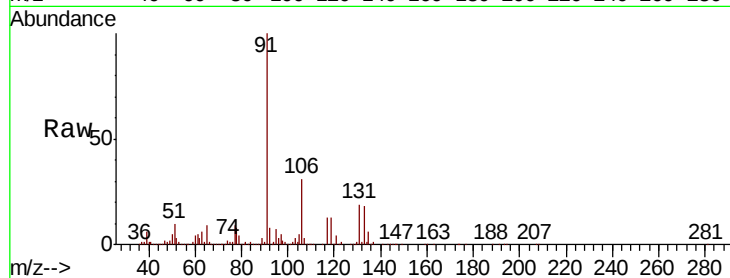




#67
Ethyl Benzene
Concen: 45.995 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN060335.D
Acq: 3 Mar 2020 17:20

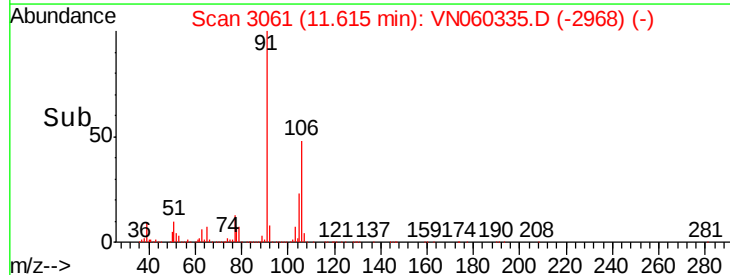
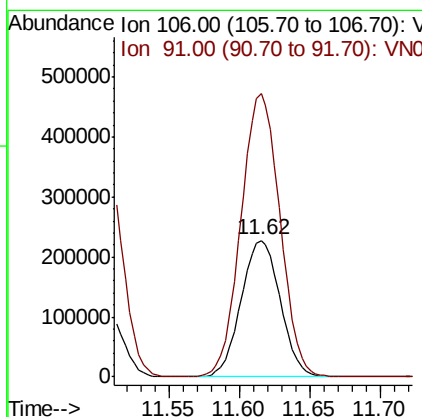
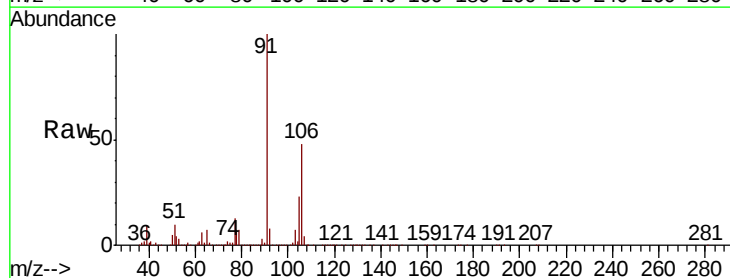
Instrument :
MSVOA_N
ClientSampled :

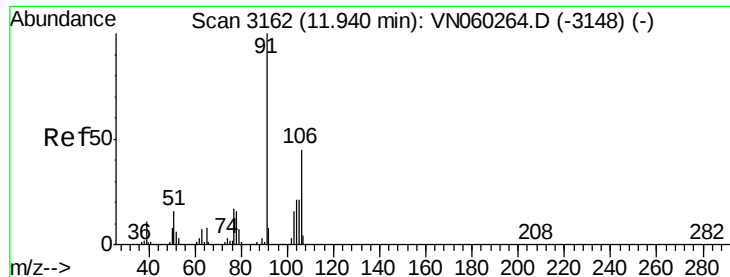
Tot Ion: 91 Resp: 595416
Ion Ratio Lower Upper
91 100
106 30.6 24.7 37.1



#68
m/p-Xylenes
Concen: 90.165 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN060335.D
Acq: 3 Mar 2020 17:20

Tgt Ion: 106 Resp: 440375
Ion Ratio Lower Upper
106 100
91 206.4 164.5 246.7

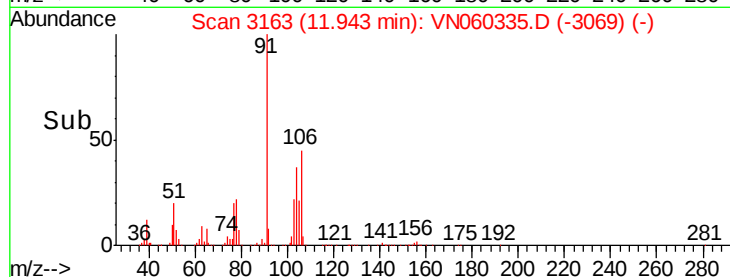
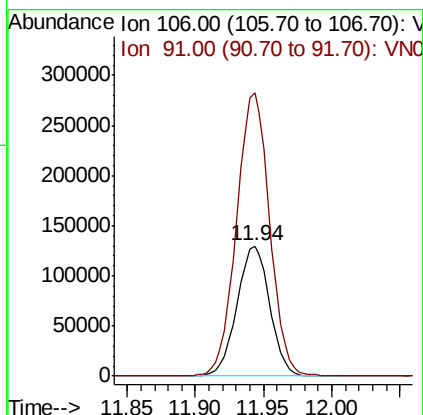
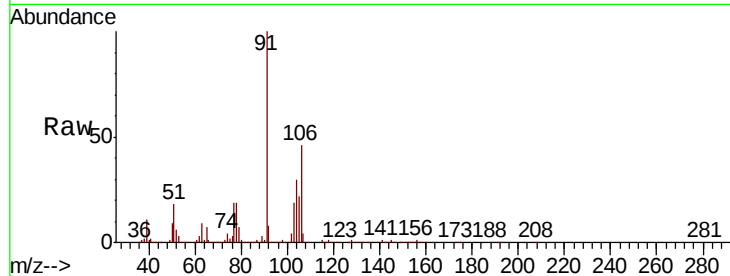




#69
o-Xylene
Concen: 46.262 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN060335.D
Acq: 3 Mar 2020 17:20

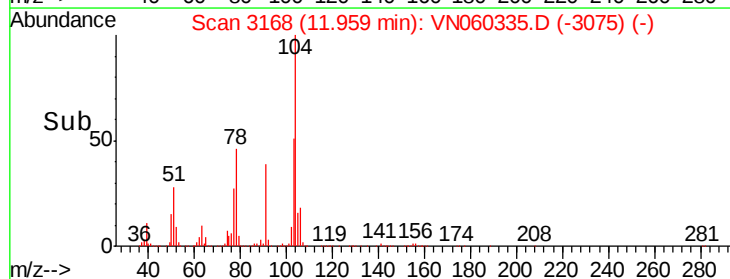
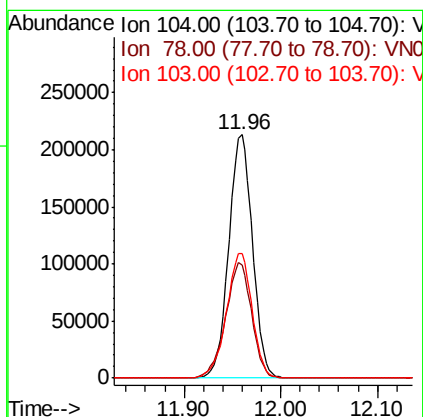
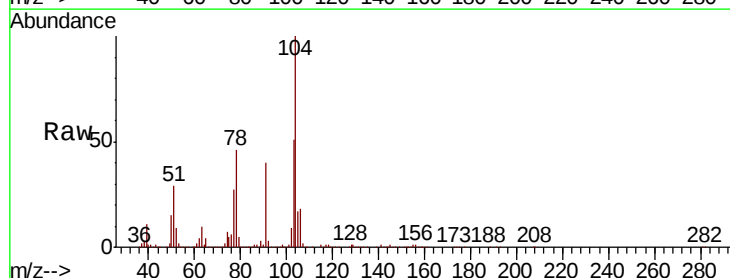
Instrument :
MSVOA_N
ClientSampled :

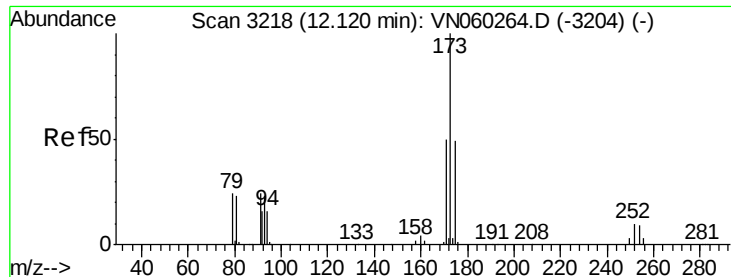
Tot Ion:106 Resp: 215463
Ion Ratio Lower Upper
106 100
91 218.5 109.5 328.4



#70
Styrene
Concen: 47.330 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN060335.D
Acq: 3 Mar 2020 17:20

Tgt Ion:104 Resp: 362425
Ion Ratio Lower Upper
104 100
78 51.8 41.2 61.8
103 54.7 43.9 65.9

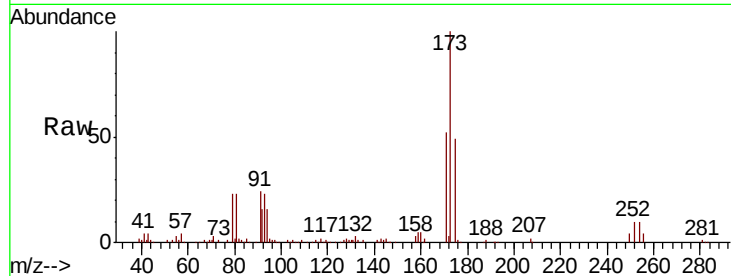




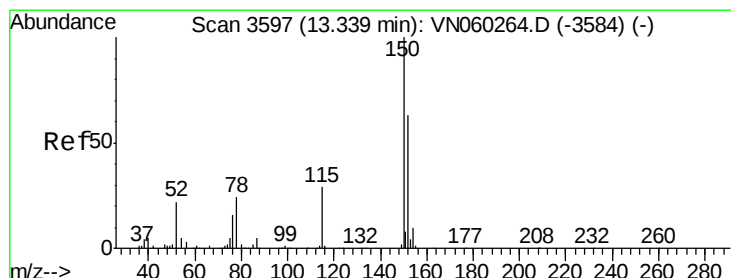
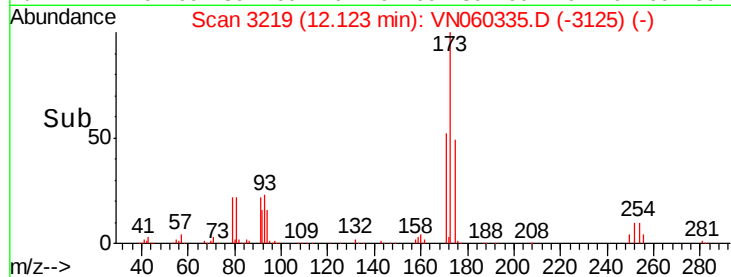
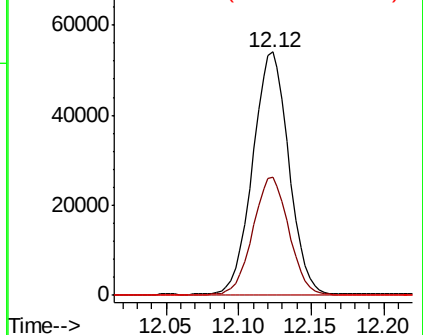
#71
Bromoform
Concen: 49.141 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. 0.00 min
Lab File: VN060335.D
Acq: 3 Mar 2020 17:20

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:173 Resp: 93086
Ion Ratio Lower Upper
173 100
175 49.4 24.1 72.2
254 0.0 0.0 0.0

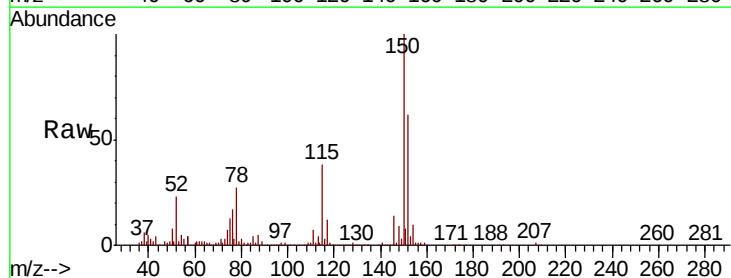


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

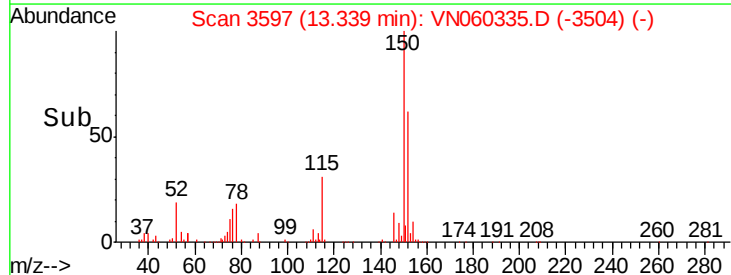
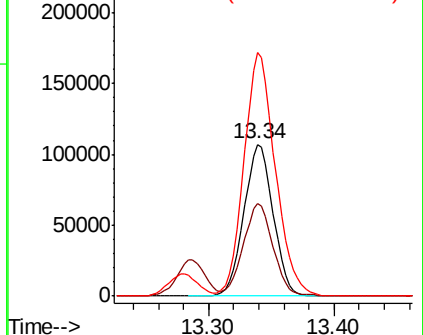


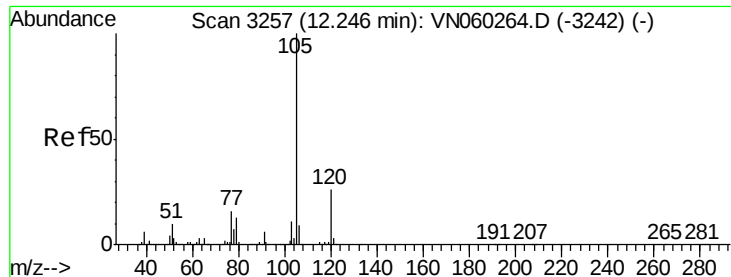
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060335.D
Acq: 3 Mar 2020 17:20

Tgt Ion:152 Resp: 173354
Ion Ratio Lower Upper
152 100
115 60.6 30.0 90.0
150 172.6 0.0 349.6



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





#73

Isopropylbenzene

Concen: 45.401 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN060335.D

Acq: 3 Mar 2020 17:20

Instrument :

MSVOA_N

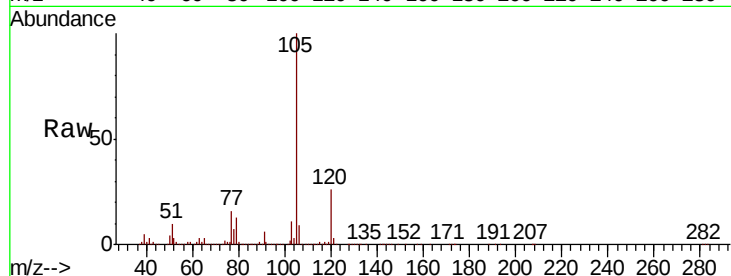
ClientSampled :

Tot Ion:105 Resp: 583352

Ion Ratio Lower Upper

105 100

120 26.1 13.0 38.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

400000

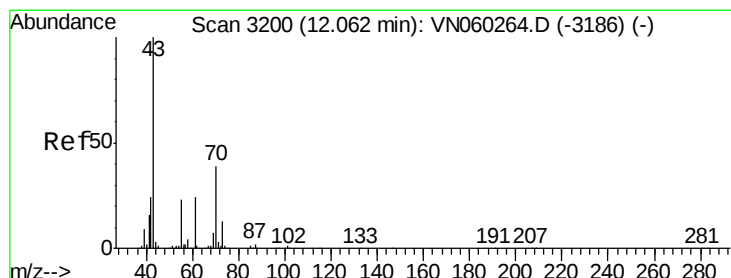
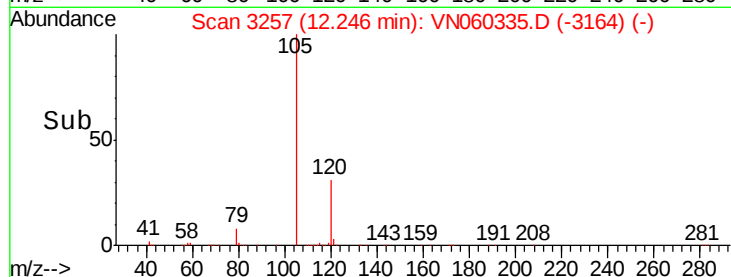
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 47.235 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN060335.D

Acq: 3 Mar 2020 17:20

Tgt Ion: 43 Resp: 265205

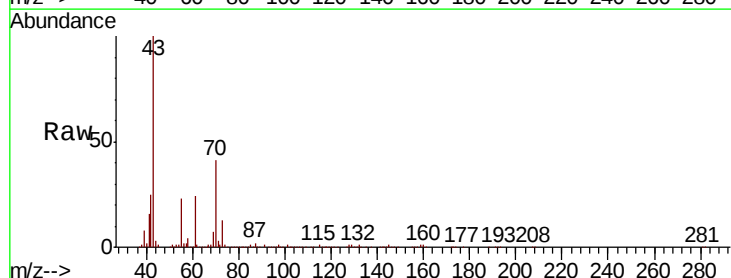
Ion Ratio Lower Upper

43 100

70 39.5 32.2 48.2

55 22.9 18.2 27.4

61 23.4 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

250000

200000

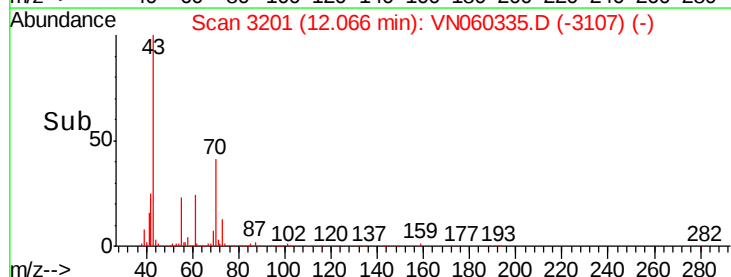
150000

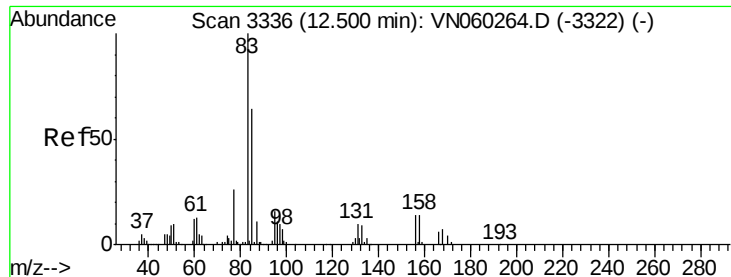
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 48.114 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060335.D

Acq: 3 Mar 2020 17:20

Instrument :

MSVOA_N

ClientSampleId :

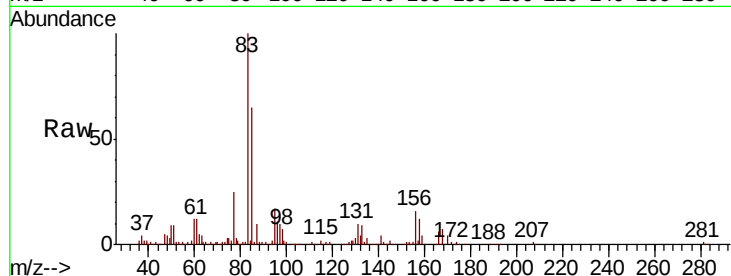
Tot Ion: 83 Resp: 168043

Ion Ratio Lower Upper

83 100

131 11.8 5.1 15.3

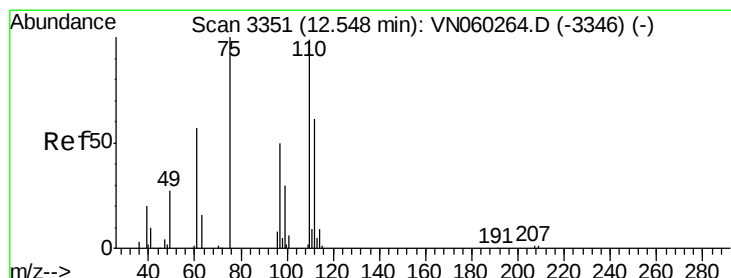
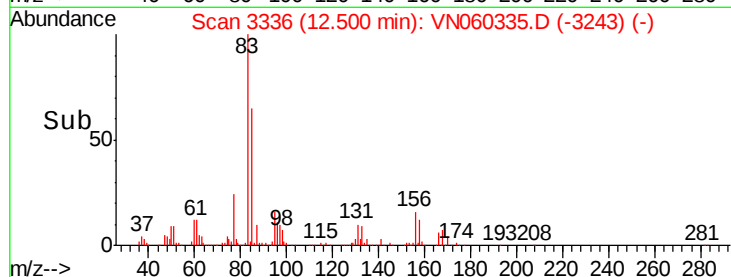
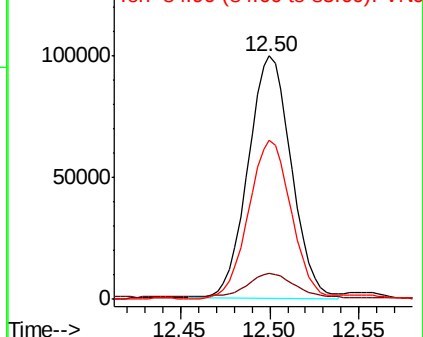
85 64.5 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN060335.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN060335.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN060335.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 62.753 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN060335.D

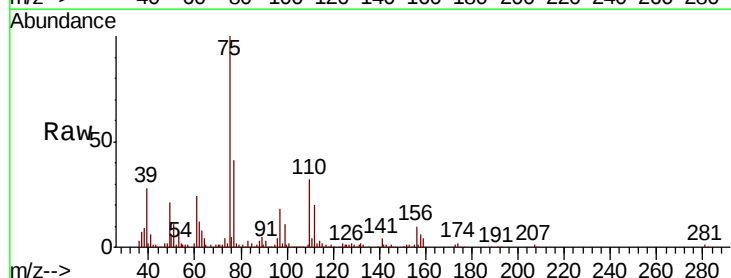
Acq: 3 Mar 2020 17:20

Tgt Ion: 75 Resp: 238674

Ion Ratio Lower Upper

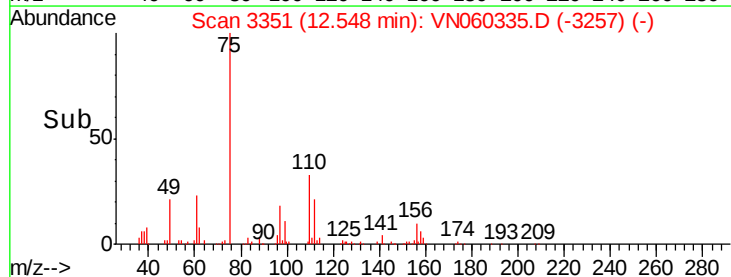
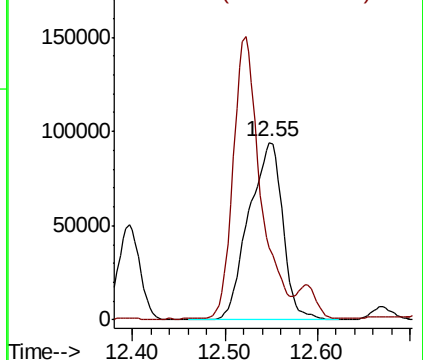
75 100

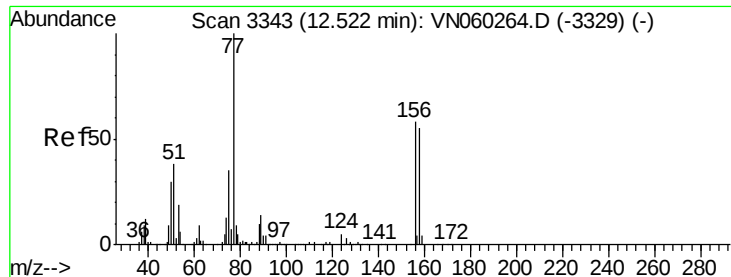
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060335.D (-3257) (-)

Ion 77.00 (76.70 to 77.70): VN060335.D (-3257) (-)





#77

Bromobenzene

Concen: 54.457 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN060335.D

Acq: 3 Mar 2020 17:20

Instrument :

MSVOA_N

ClientSampleId :

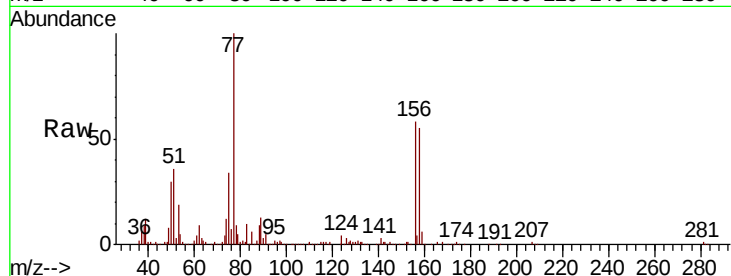
Tot Ion:156 Resp: 171516

Ion Ratio Lower Upper

156 100

77 178.0 106.1 318.3

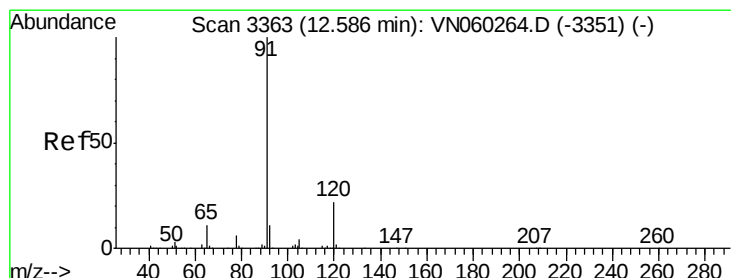
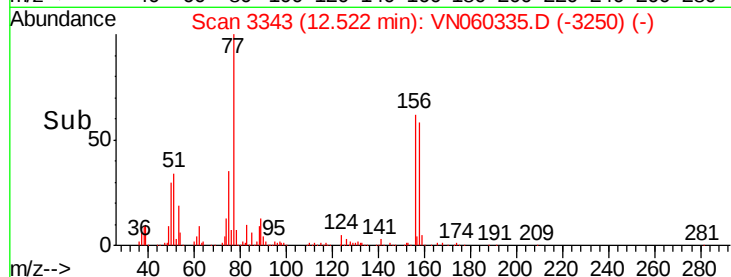
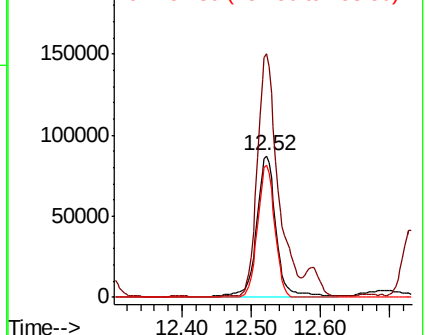
158 81.0 48.3 144.8



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: 45.940 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060335.D

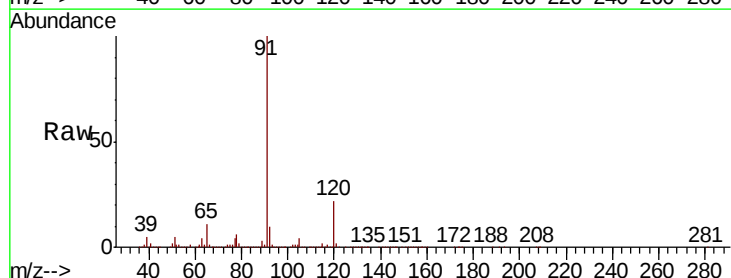
Acq: 3 Mar 2020 17:20

Tgt Ion: 91 Resp: 691914

Ion Ratio Lower Upper

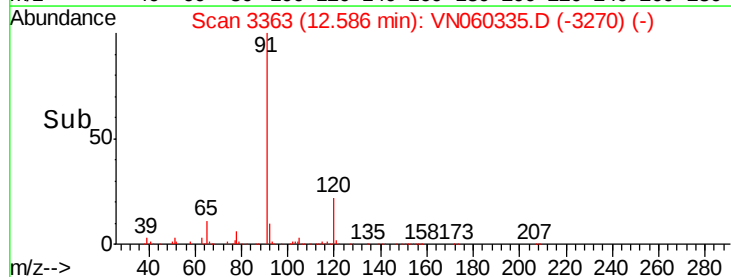
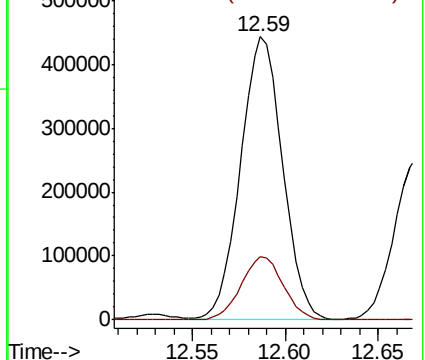
91 100

120 22.6 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

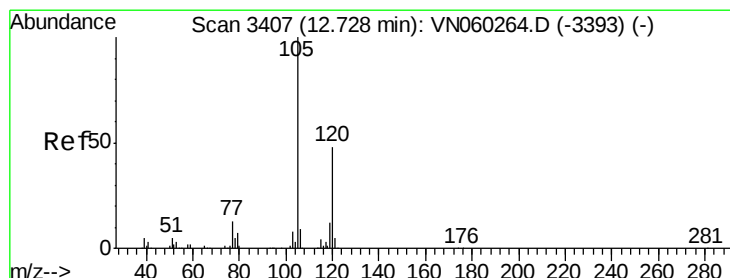
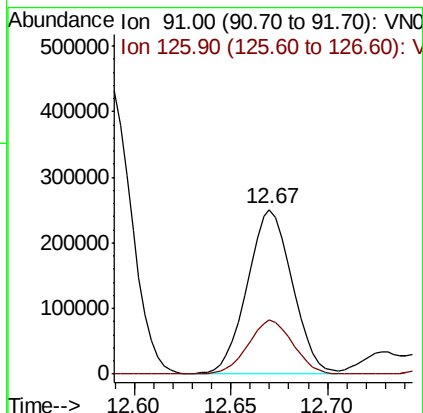
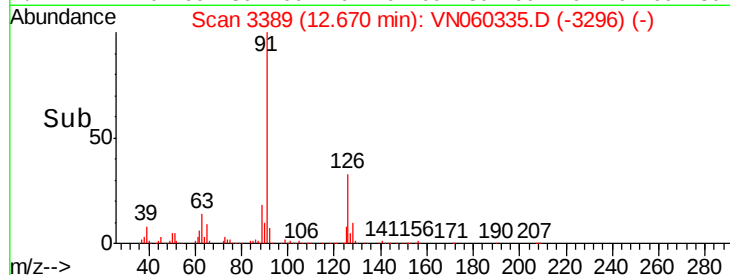
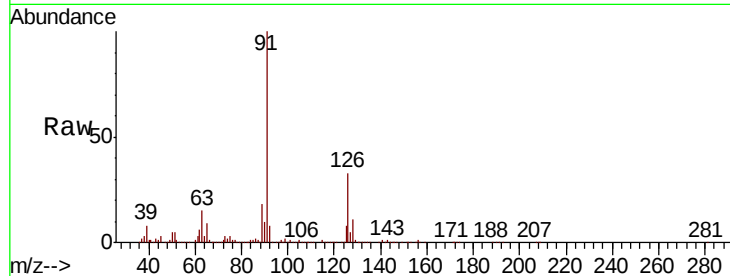




#79
2-Chlorotoluene
Concen: 45.509 ug/l
RT: 12.67 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VN060335.D
Acq: 3 Mar 2020 17:20

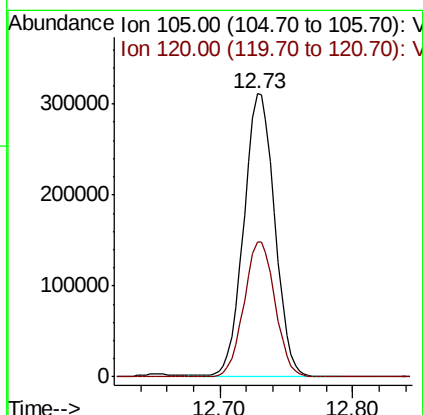
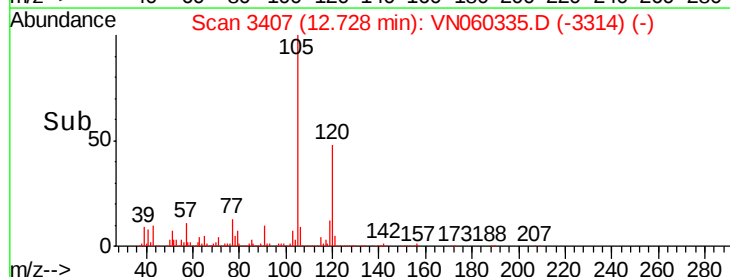
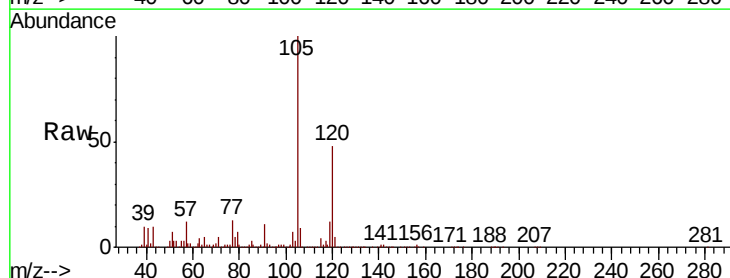
Instrument :
MSVOA_N
ClientSampleId :

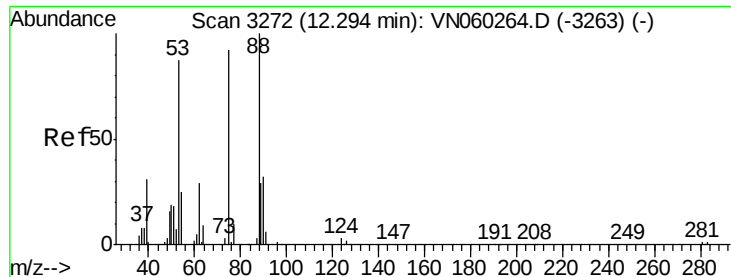
Tot Ion: 91 Resp: 402899
Ion Ratio Lower Upper
91 100
126 33.1 16.6 49.8



#80
1,3,5-Trimethylbenzene
Concen: 46.521 ug/l
RT: 12.73 min Scan# 3407
Delta R.T. 0.00 min
Lab File: VN060335.D
Acq: 3 Mar 2020 17:20

Tgt Ion: 105 Resp: 503264
Ion Ratio Lower Upper
105 100
120 47.7 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 48.251 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN060335.D

Acq: 3 Mar 2020 17:20

Instrument :

MSVOA_N

ClientSampleId :

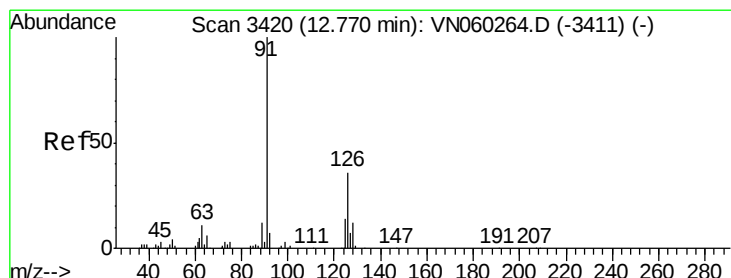
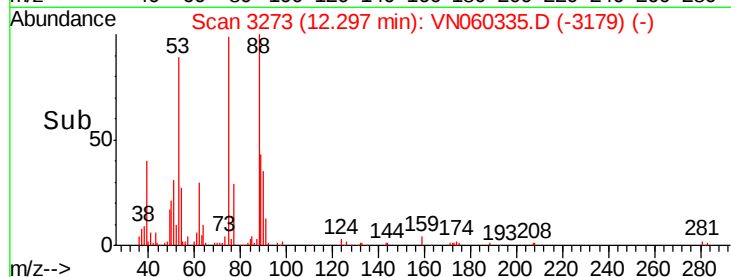
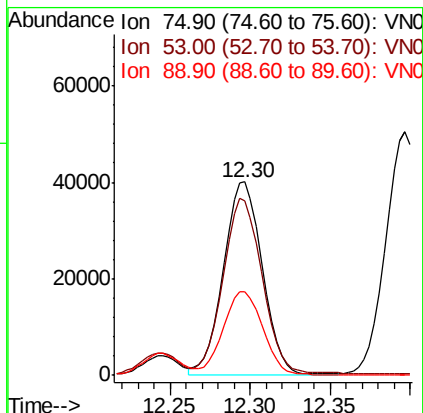
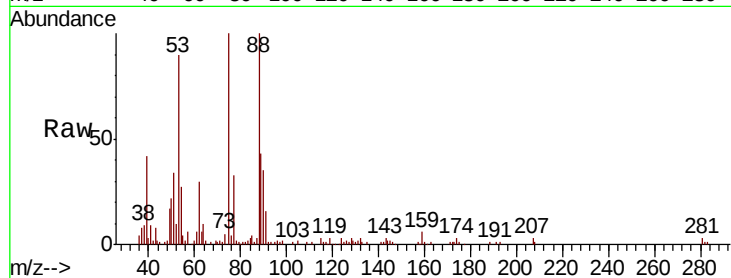
Tot Ion: 75 Resp: 66481

Ion Ratio Lower Upper

75 100

53 91.0 73.8 110.6

89 43.3 57.1 85.7#



#82

4-Chlorotoluene

Concen: 44.679 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN060335.D

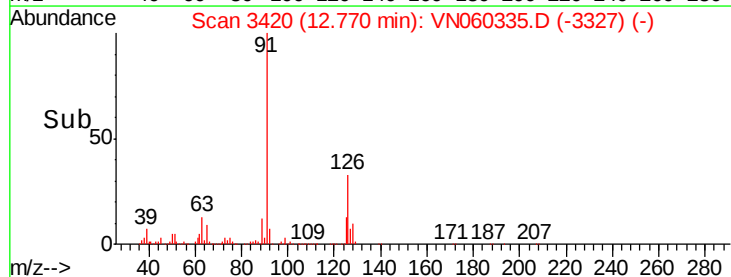
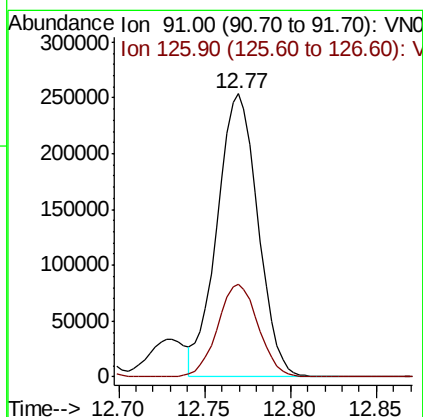
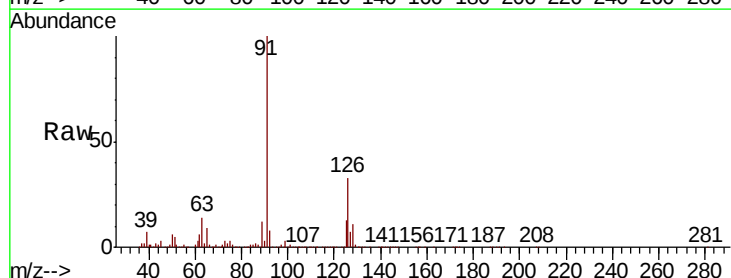
Acq: 3 Mar 2020 17:20

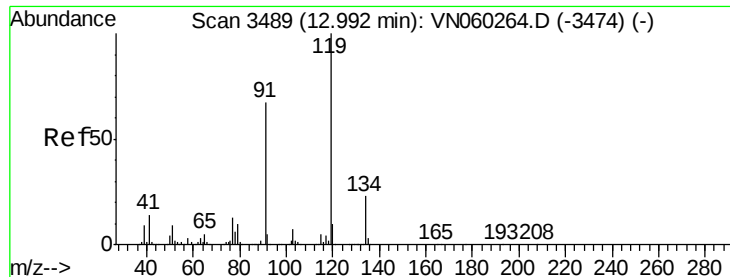
Tgt Ion: 91 Resp: 416746

Ion Ratio Lower Upper

91 100

126 32.8 16.7 50.1

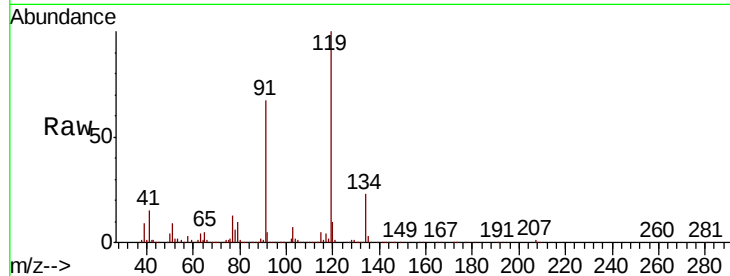




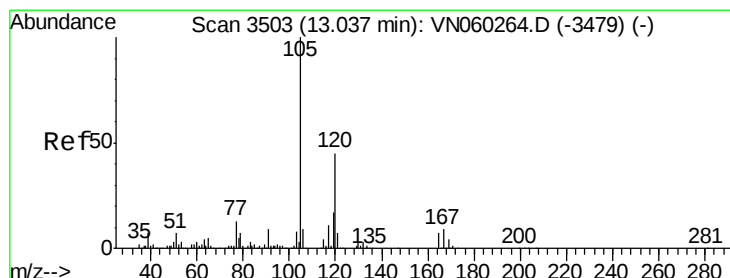
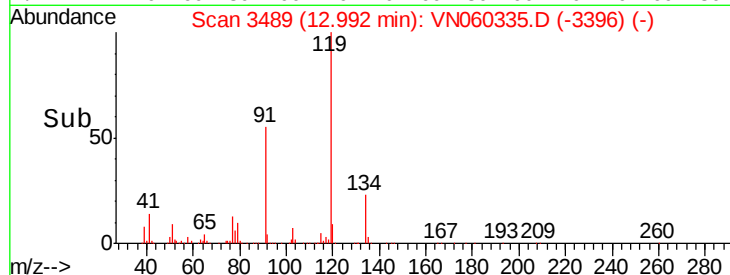
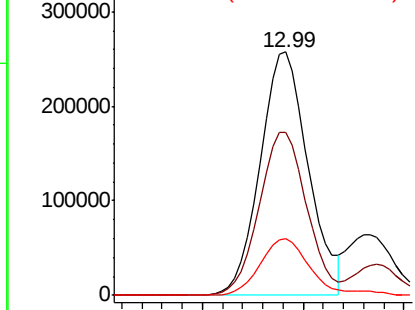
#83
tert-Butylbenzene
Concen: 45.550 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN060335.D
Acq: 3 Mar 2020 17:20

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:119 Resp: 426638
Ion Ratio Lower Upper
119 100
91 65.7 33.1 99.2
134 24.7 12.4 37.0

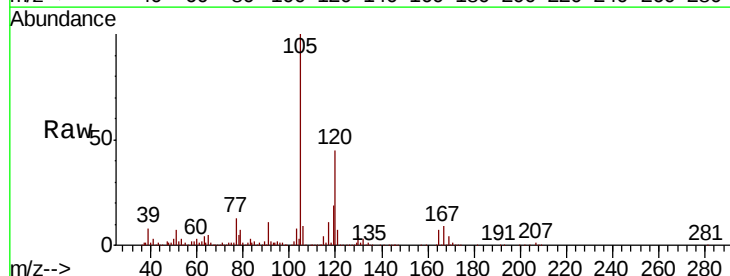


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

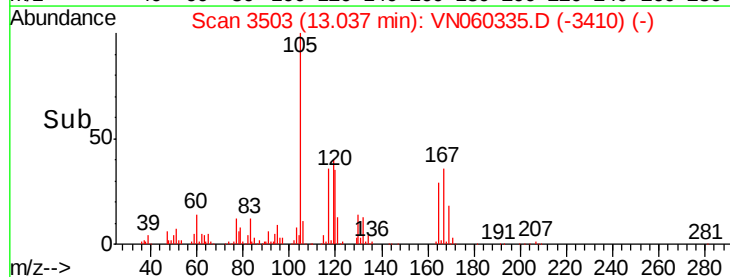
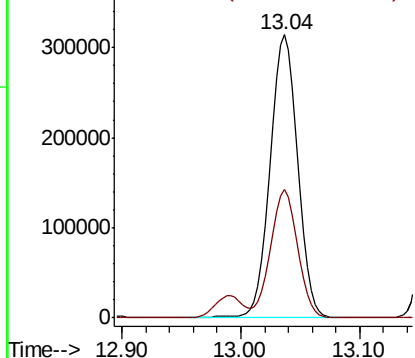


#84
1,2,4-Trimethylbenzene
Concen: 45.991 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN060335.D
Acq: 3 Mar 2020 17:20

Tgt Ion:105 Resp: 502182
Ion Ratio Lower Upper
105 100
120 44.7 22.3 66.9



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

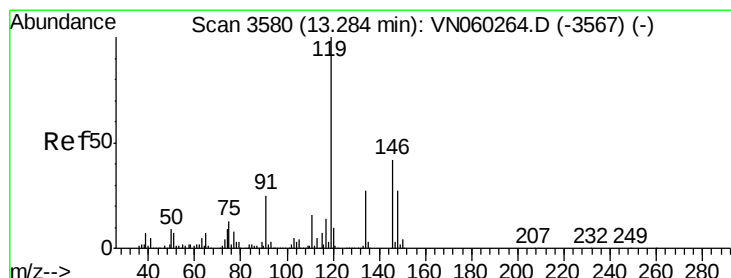
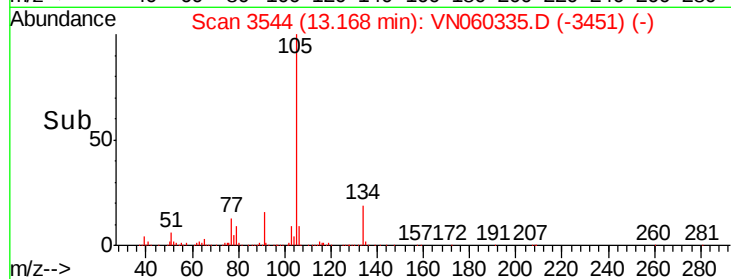
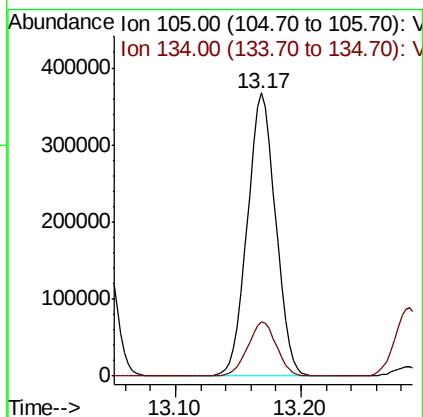
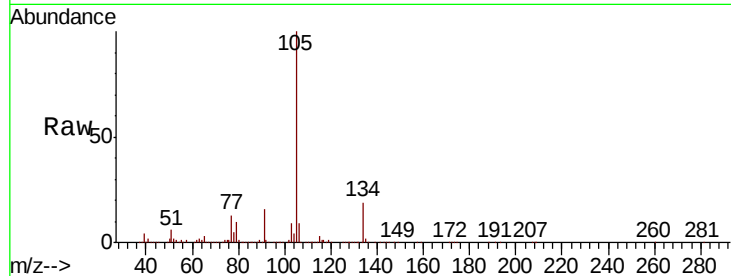




#85
 sec-Butylbenzene
 Concen: 45.881 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN060335.D
 Acq: 3 Mar 2020 17:20

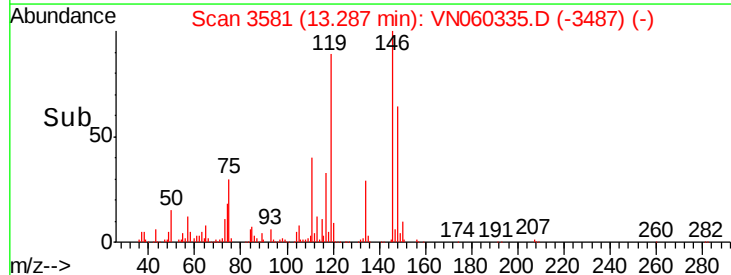
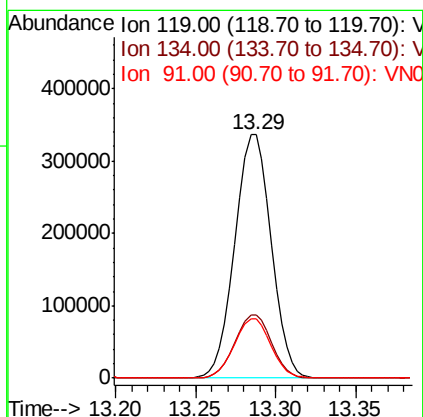
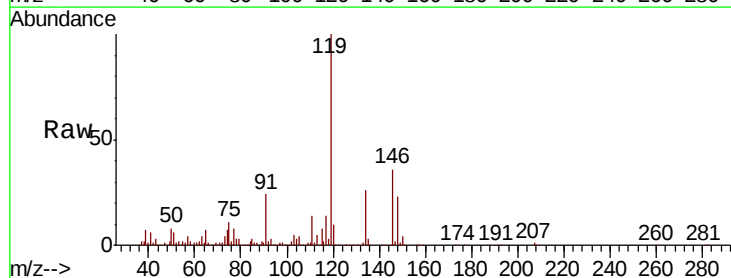
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:105 Resp: 575460
 Ion Ratio Lower Upper
 105 100
 134 19.6 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 44.662 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN060335.D
 Acq: 3 Mar 2020 17:20

Tgt Ion:119 Resp: 518470
 Ion Ratio Lower Upper
 119 100
 134 26.2 13.2 39.6
 91 24.3 12.2 36.6





#87

1,3-Dichlorobenzene

Concen: 47.211 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN060335.D

Acq: 3 Mar 2020 17:20

Instrument :

MSVOA_N

ClientSampled :

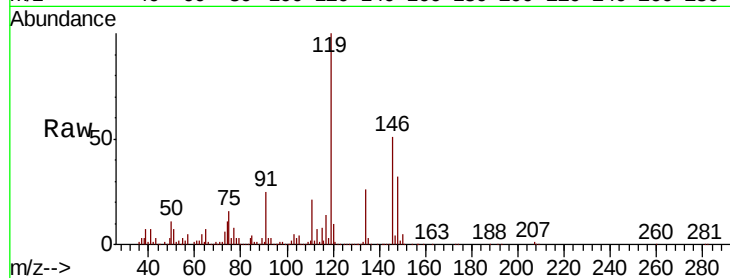
Tot Ion:146 Resp: 255563

Ion Ratio Lower Upper

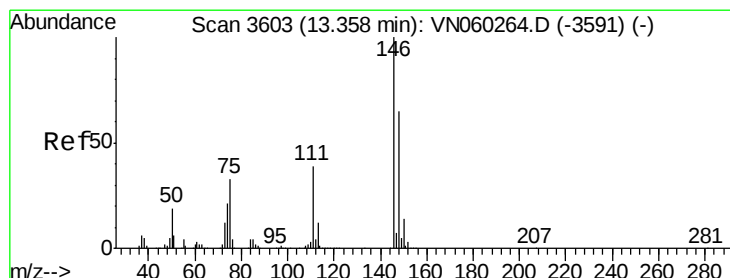
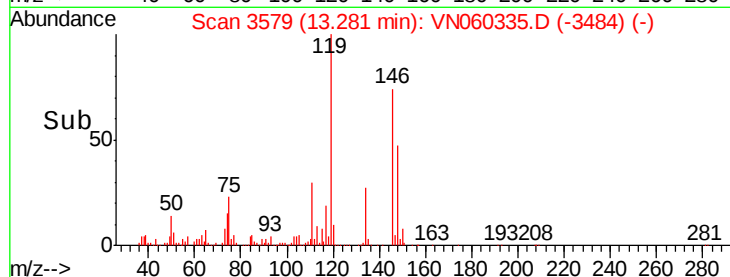
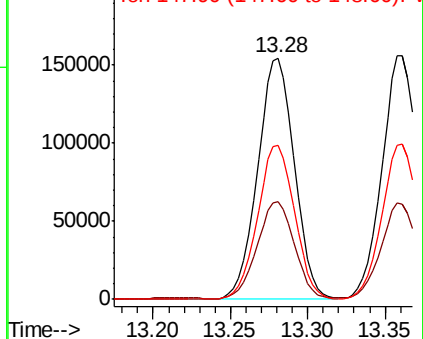
146 100

111 40.3 20.0 59.9

148 64.2 32.1 96.3



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



#88

1,4-Dichlorobenzene

Concen: 47.409 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN060335.D

Acq: 3 Mar 2020 17:20

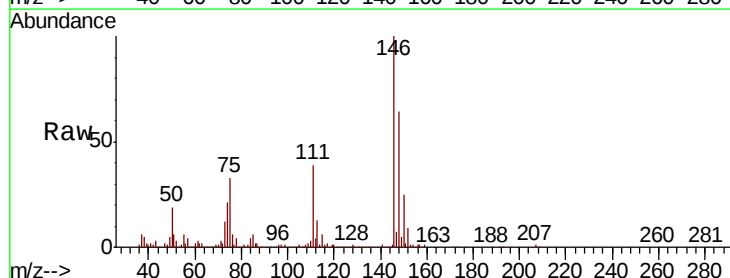
Tgt Ion:146 Resp: 255217

Ion Ratio Lower Upper

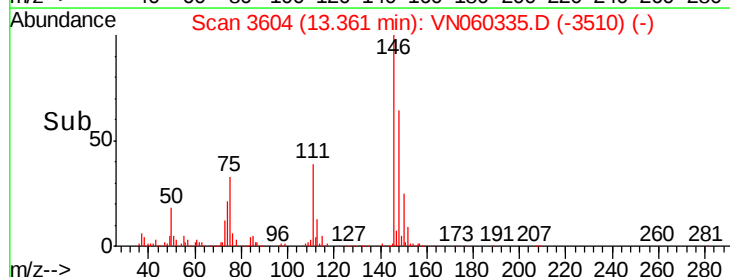
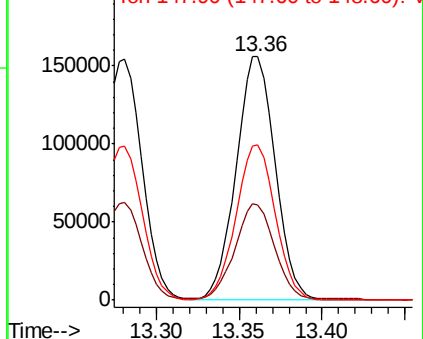
146 100

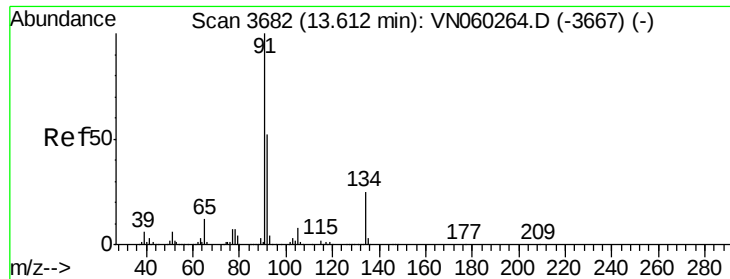
111 39.3 19.8 59.4

148 64.3 32.3 96.9



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

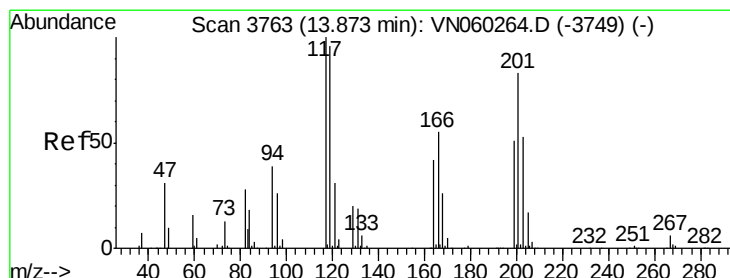
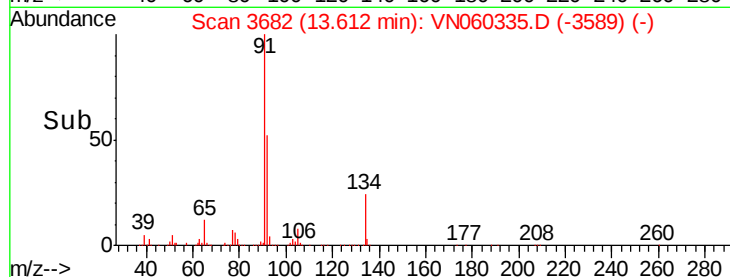
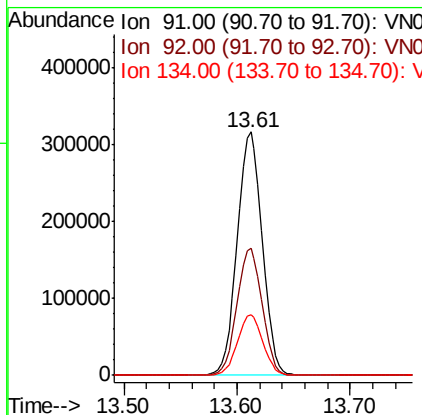
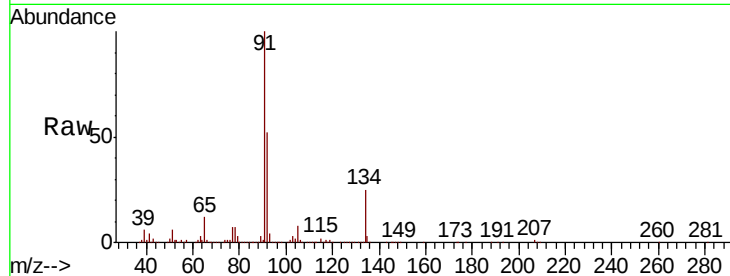




#89
n-Butylbenzene
Concen: 45.673 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060335.D
Acq: 3 Mar 2020 17:20

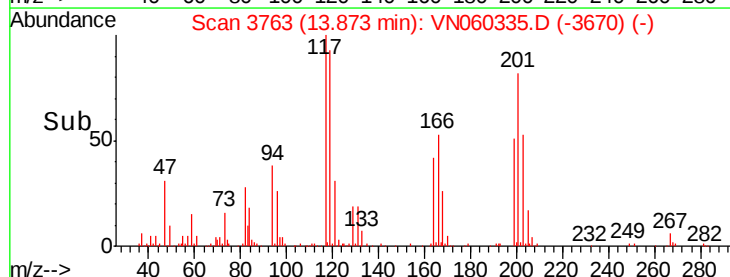
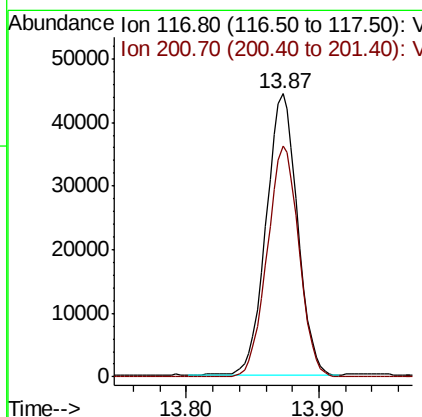
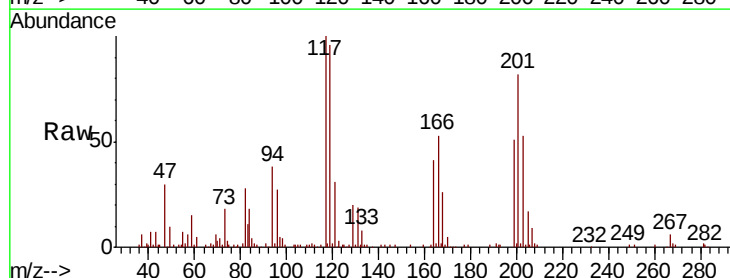
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 91 Resp: 486721
Ion Ratio Lower Upper
91 100
92 52.6 26.0 78.0
134 25.1 12.7 38.1



#90
Hexachloroethane
Concen: 43.173 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN060335.D
Acq: 3 Mar 2020 17:20

Tgt Ion: 117 Resp: 72546
Ion Ratio Lower Upper
117 100
201 83.4 41.0 123.0





#91

1,2-Dichlorobenzene

Concen: 45.306 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN060335.D

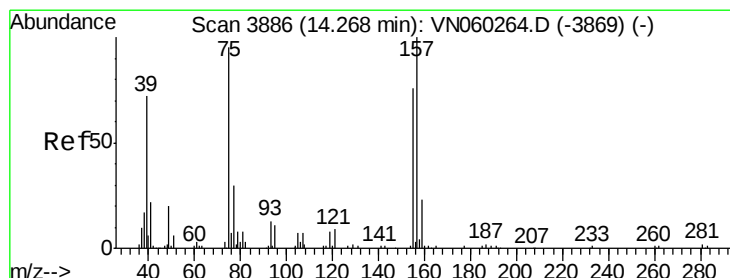
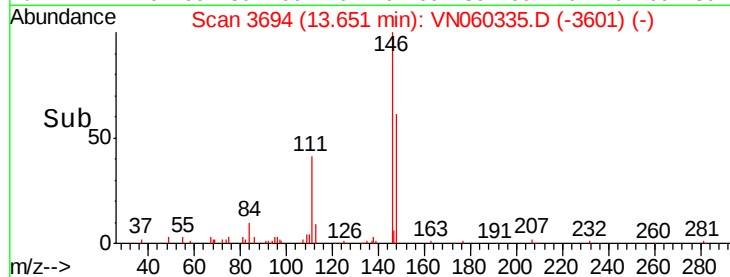
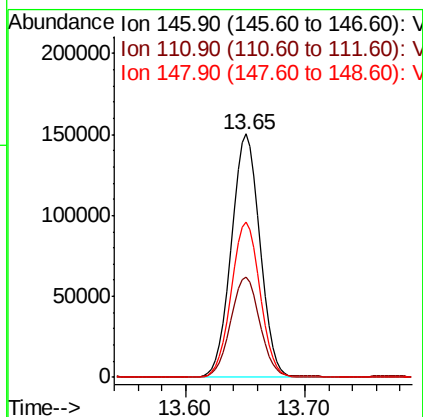
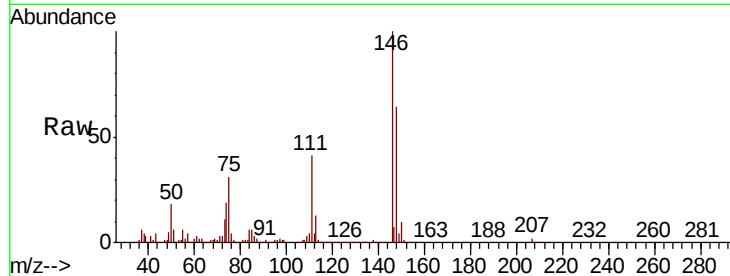
Acq: 3 Mar 2020 17:20

Instrument :

MSVOA_N

ClientSampled :

Tot Ion:	146	Resp:	250037
Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.3	61.0
148	64.2	31.8	95.3



#92

1,2-Dibromo-3-Chloropropane

Concen: 45.591 ug/l

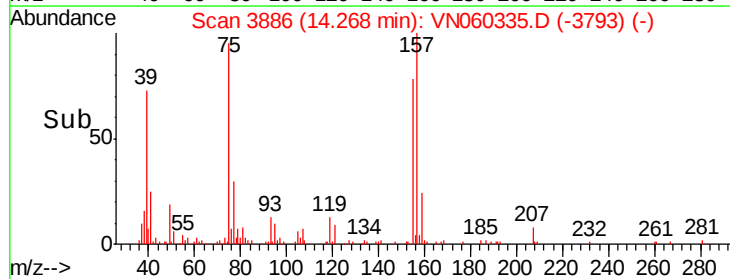
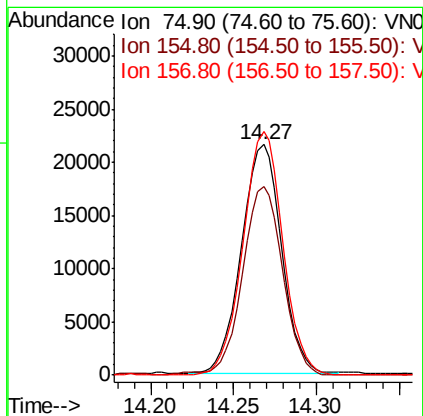
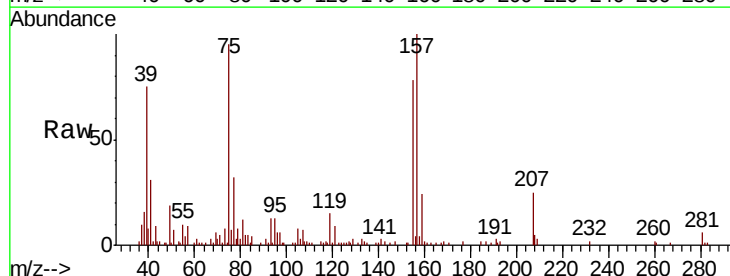
RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN060335.D

Acq: 3 Mar 2020 17:20

Tgt Ion:	75	Resp:	36059
Ion	Ratio	Lower	Upper
75	100		
155	83.2	40.4	121.2
157	106.3	52.5	157.5

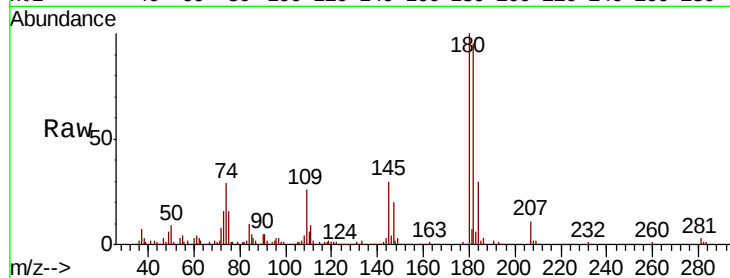




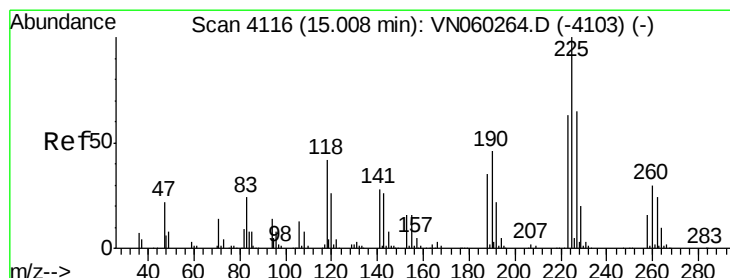
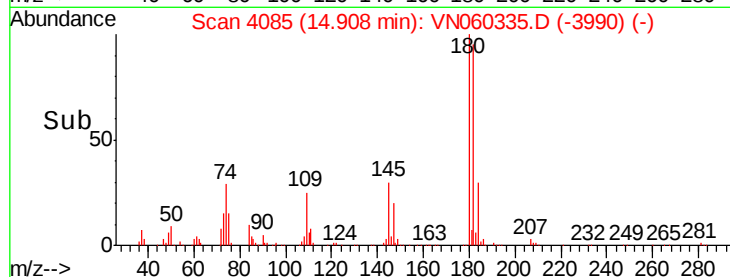
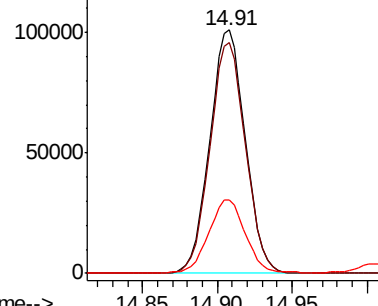
#93
 1,2,4-Trichlorobenzene
 Concen: 47.441 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060335.D
 Acq: 3 Mar 2020 17:20

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 166349
 Ion Ratio Lower Upper
 180 100
 182 95.1 47.8 143.3
 145 30.7 15.4 46.1

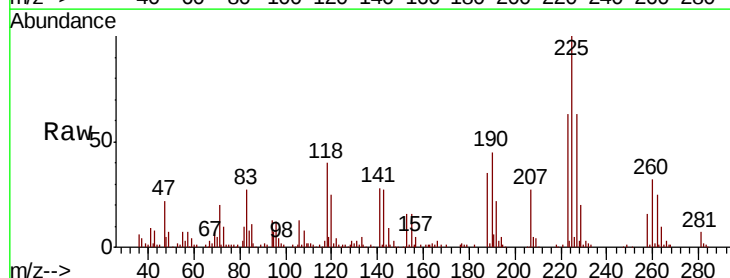


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

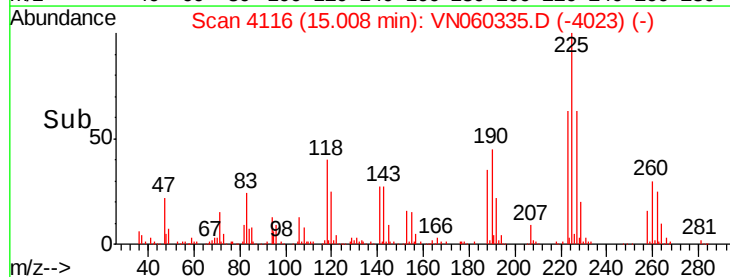
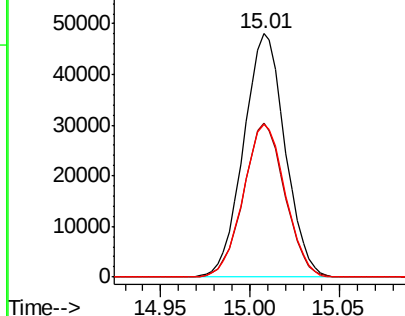


#94
 Hexachlorobutadiene
 Concen: 48.331 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060335.D
 Acq: 3 Mar 2020 17:20

Tgt Ion:225 Resp: 77940
 Ion Ratio Lower Upper
 225 100
 223 62.9 31.3 93.9
 227 63.5 32.3 96.9



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: 47.217 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN060335.D

Acq: 3 Mar 2020 17:20

Instrument :

MSVOA_N

ClientSampleId :

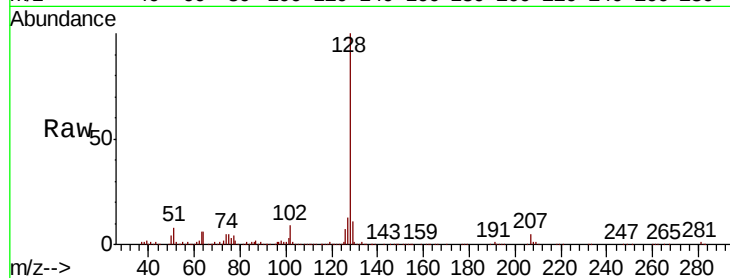
Tot Ion:128 Resp: 487860

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

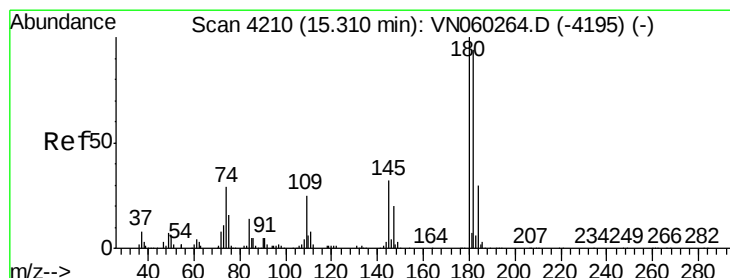
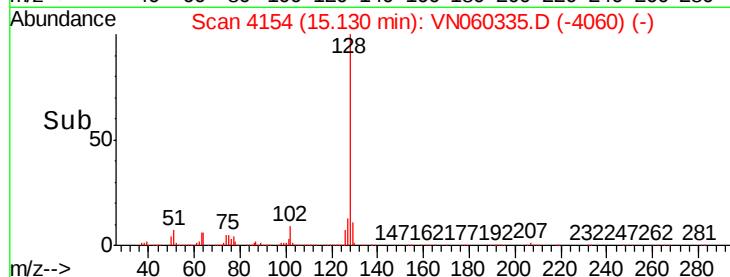
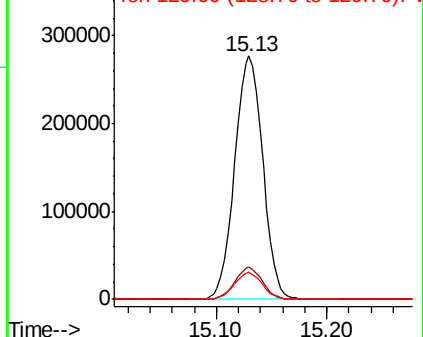
129 11.0 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 47.936 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN060335.D

Acq: 3 Mar 2020 17:20

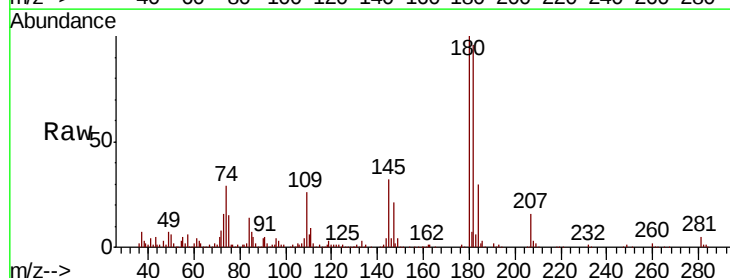
Tgt Ion:180 Resp: 158338

Ion Ratio Lower Upper

180 100

182 94.8 47.3 142.0

145 32.7 16.2 48.5



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

