

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030320\
 Data File : VN060321.D
 Acq On : 3 Mar 2020 12:03
 Operator : JC/MD
 Sample : L1161-07 .2PPB LOD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 04 03:05:17 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	201629	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	335328	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	298872	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	133612	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	131367	50.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.56%	
35) Dibromofluoromethane	7.57	113	91906	59.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.10%	
50) Toluene-d8	10.08	98	373157	47.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.74%	
62) 4-Bromofluorobenzene	12.40	95	130253	43.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.24%	

Target Compounds

					Qvalue
3) Chloromethane	2.04	50	1358	0.422	ug/l 94
4) Vinyl Chloride	2.17	62	654	0.237	ug/l # 43
11) Tert butyl alcohol	4.73	59	102	0.266	ug/l # 73
15) Acrylonitrile	4.96	53	830	0.820	ug/l # 68
16) Acetone	3.79	43	1416	1.695	ug/l # 44
17) Carbon Disulfide	4.04	76	2362	0.393	ug/l # 75
23) Vinyl Acetate	5.87	43	5728	0.996	ug/l # 73
25) 2-Butanone	6.81	43	1428	1.058	ug/l # 49
27) cis-1,2-Dichloroethene	6.80	96	537	0.202	ug/l 34
29) Tetrahydrofuran	7.18	42	595	0.634	ug/l # 68
31) Cyclohexane	7.64	56	4844	1.276	ug/l # 8
36) 1,1-Dichloropropene	7.64	75	15349	4.803	ug/l # 49
38) Carbon Tetrachloride	7.64	117	19533	6.278	ug/l # 17
40) Benzene	8.02	78	2002	0.215	ug/l 94
42) 1,2-Dichloroethane	8.10	62	962	0.287	ug/l # 76
43) Isopropyl Acetate	8.14	43	1122	0.212	ug/l # 55
44) Trichloroethene	8.82	130	551	0.213	ug/l 96
51) 4-Methyl-2-Pentanone	9.97	43	3394	1.130	ug/l 91
52) Toluene	10.15	92	1240	0.212	ug/l 87
53) t-1,3-Dichloropropene	10.37	75	995	0.253	ug/l # 59
54) cis-1,3-Dichloropropene	9.82	75	996	0.244	ug/l 91
55) 1,1,2-Trichloroethane	10.55	97	572	0.243	ug/l # 55
57) 1,3-Dichloropropane	10.70	76	797	0.208	ug/l 96
58) 2-Chloroethyl Vinyl ether	9.68	63	1543	0.874	ug/l 90
59) 2-Hexanone	10.74	43	2621	1.188	ug/l 98
61) 1,2-Dibromoethane	10.99	107	562	0.245	ug/l # 70
64) Tetrachloroethene	10.62	164	606	0.228	ug/l # 66
65) Chlorobenzene	11.43	112	1435	0.238	ug/l 99
67) Ethyl Benzene	11.50	91	2817	0.256	ug/l 92
68) m/p-Xylenes	11.62	106	1974	0.476	ug/l 99
69) o-Xylene	11.95	106	820	0.207	ug/l 86
70) Styrene	11.96	104	1509	0.232	ug/l # 82
73) Isopropylbenzene	12.24	105	2408	0.243	ug/l 95
74) N-ethyl acetate	12.07	43	1404	0.324	ug/l # 86

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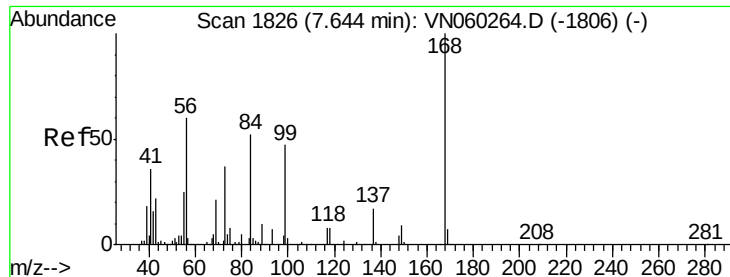
Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 04 03:05:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
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 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

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

75) 1,1,2,2-Tetrachloroethane	12.50	83	579	0.215	ug/l #	70
76) 1,2,3-Trichloropropane	12.40	75	67479	23.019	ug/l #	100
77) Bromobenzene	12.52	156	591	0.243	ug/l	60
78) n-propylbenzene	12.59	91	3191	0.275	ug/l	95
79) 2-Chlorotoluene	12.67	91	1957	0.287	ug/l	87
80) 1,3,5-Trimethylbenzene	12.73	105	2030	0.243	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.40	75	67479	63.543	ug/l #	8
82) 4-Chlorotoluene	12.77	91	2430	0.338	ug/l	87
83) tert-Butylbenzene	12.99	119	1718	0.238	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	2299	0.273	ug/l	94
85) sec-Butylbenzene	13.17	105	2393	0.248	ug/l	99
86) p-Isopropyltoluene	13.29	119	2456	0.274	ug/l	96
87) 1,3-Dichlorobenzene	13.28	146	1482	0.325	ug/l	90
88) 1,4-Dichlorobenzene	13.28	146	1482	0.327	ug/l	90
89) n-Butylbenzene	13.61	91	2884	0.351	ug/l	94
91) 1,2-Dichlorobenzene	13.65	146	1556	0.366	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.27	75	489	0.802	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.91	180	1898	0.628	ug/l	93
94) Hexachlorobutadiene	15.01	225	591	0.413	ug/l	88
95) Naphthalene	15.13	128	5850	0.672	ug/l	97
96) 1,2,3-Trichlorobenzene	15.31	180	2149	0.757	ug/l	89

(#) = 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: VN060321.D

Acq: 3 Mar 2020 12:03

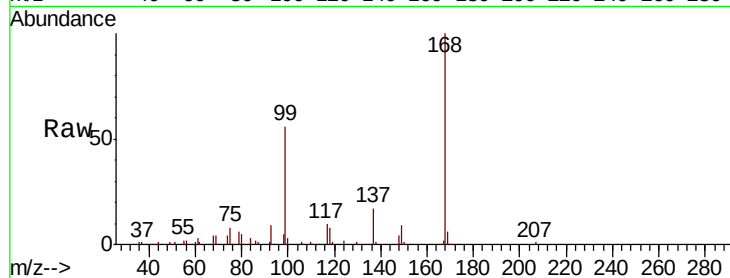
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 201629

Ion Ratio Lower Upper

168 100

99 55.8 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

60000

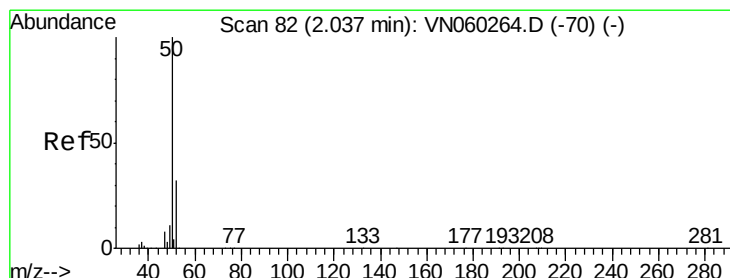
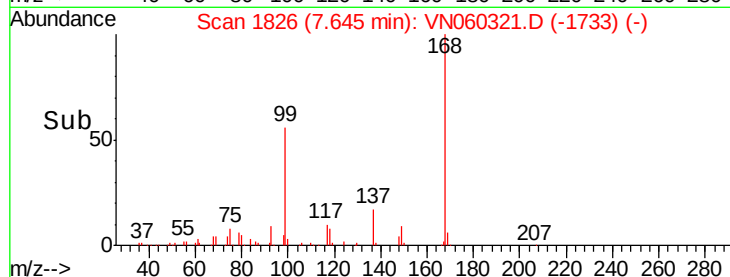
40000

20000

0

7.60 7.70

Time-->



#3

Chloromethane

Concen: 0.422 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN060321.D

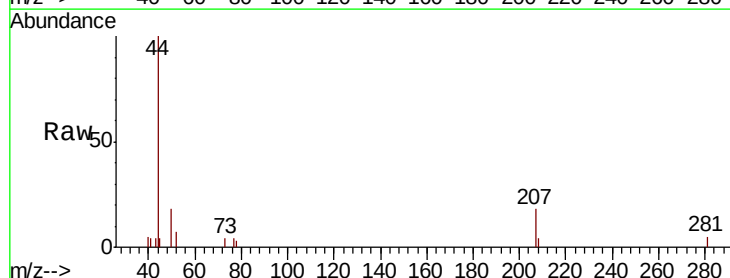
Acq: 3 Mar 2020 12:03

Tgt Ion: 50 Resp: 1358

Ion Ratio Lower Upper

50 100

52 35.5 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.04

1200

1000

800

600

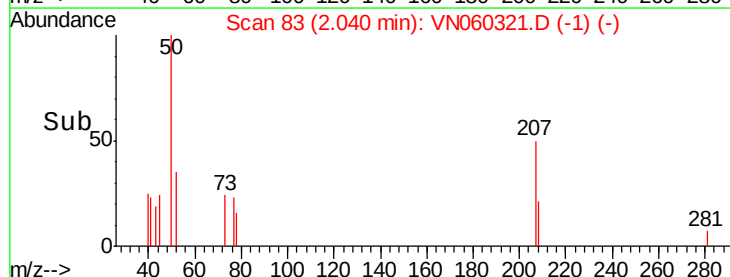
400

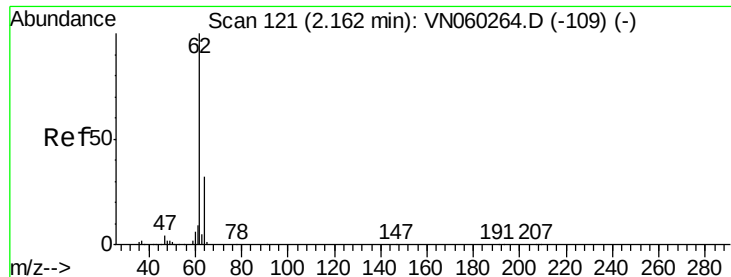
200

0

2.00 2.02 2.04 2.06

Time-->





#4

Vinyl Chloride

Concen: 0.237 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN060321.D

Acq: 3 Mar 2020 12:03

Instrument :

MSVOA_N

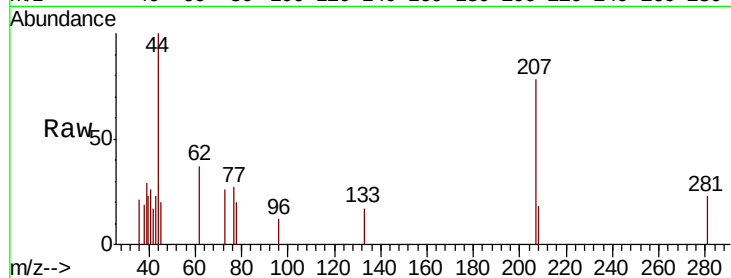
ClientSampled :

Tot Ion: 62 Resp: 654

Ion Ratio Lower Upper

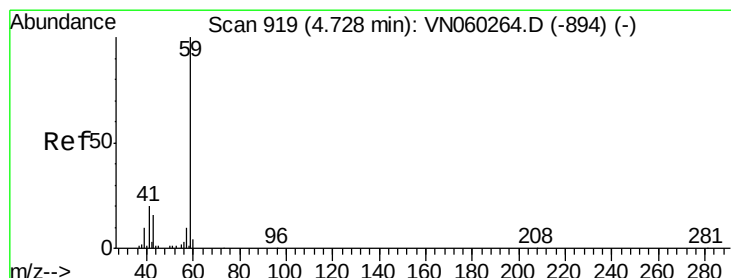
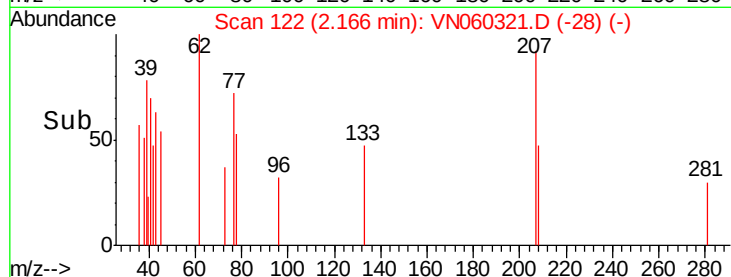
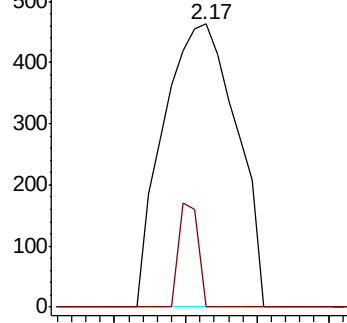
62 100

64 0.0 25.5 38.3#



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0



#11

Tert butyl alcohol

Concen: 0.266 ug/l

RT: 4.73 min Scan# 921

Delta R.T. 0.01 min

Lab File: VN060321.D

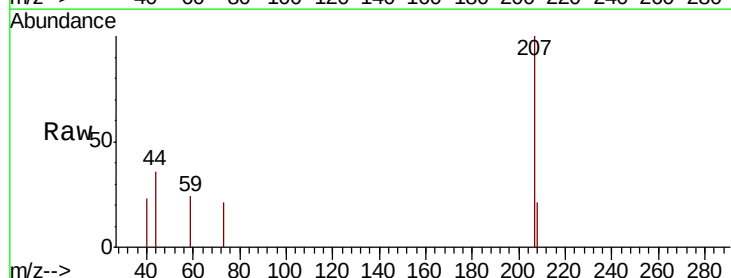
Acq: 3 Mar 2020 12:03

Tgt Ion: 59 Resp: 102

Ion Ratio Lower Upper

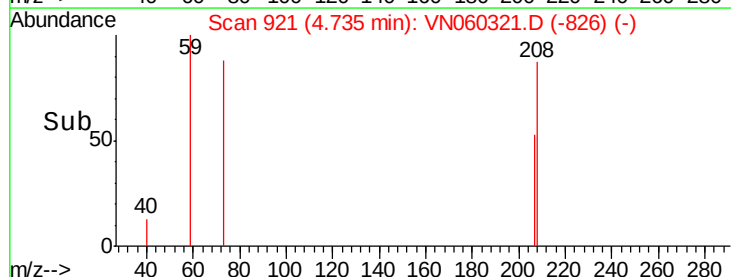
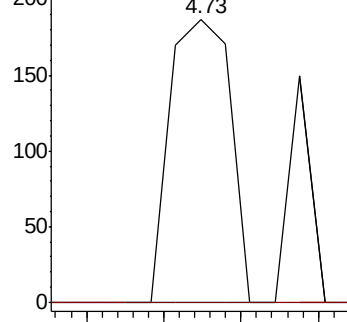
59 100

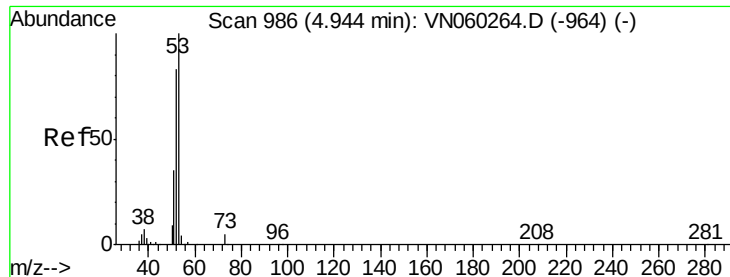
57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0





#15

Acrylonitrile

Concen: 0.820 ug/l

RT: 4.96 min Scan# 990

Delta R.T. 0.01 min

Lab File: VN060321.D

Acq: 3 Mar 2020 12:03

Instrument :

MSVOA_N

ClientSampleId :

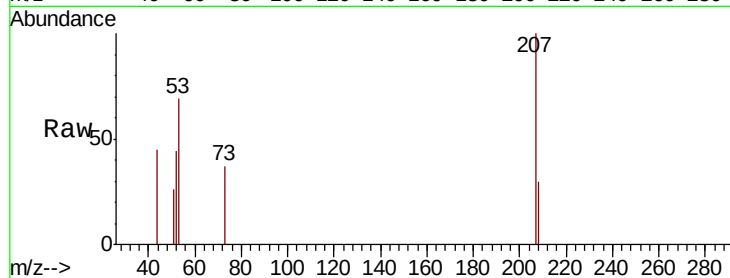
Tot Ion: 53 Resp: 830

Ion Ratio Lower Upper

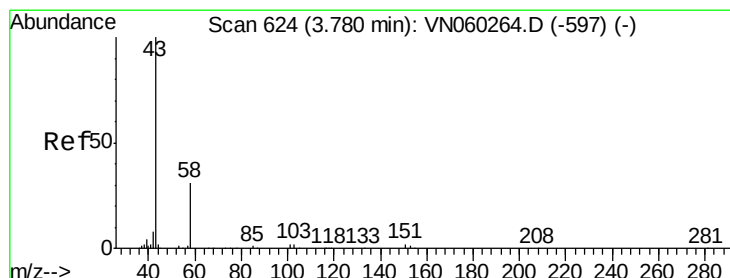
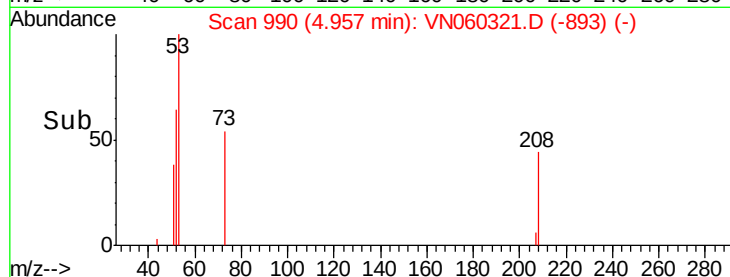
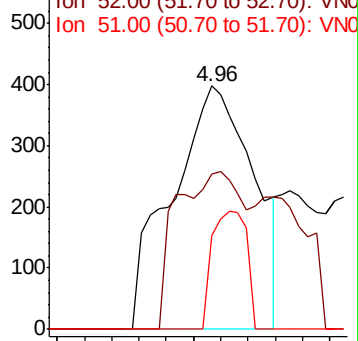
53 100

52 52.3 66.8 100.2#

51 20.5 29.0 43.6#



Abundance Ion 53.00 (52.70 to 53.70): VN060321.D (-964) (-)



#16

Acetone

Concen: 1.695 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN060321.D

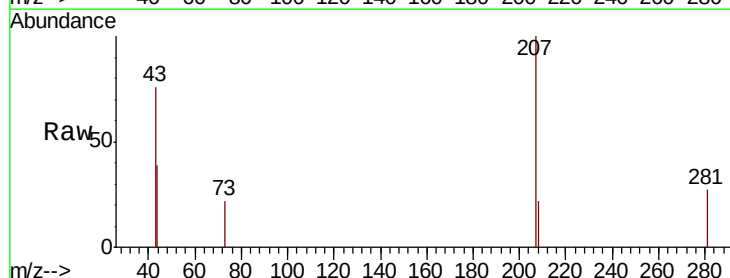
Acq: 3 Mar 2020 12:03

Tgt Ion: 43 Resp: 1416

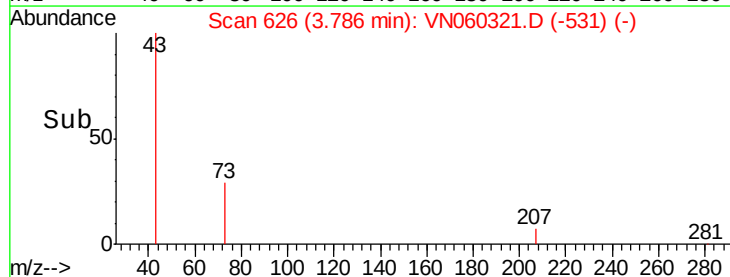
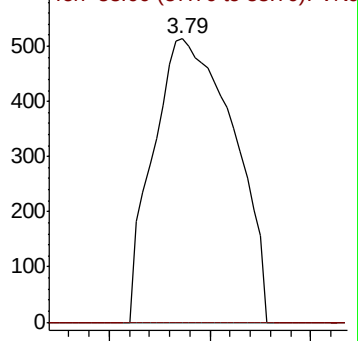
Ion Ratio Lower Upper

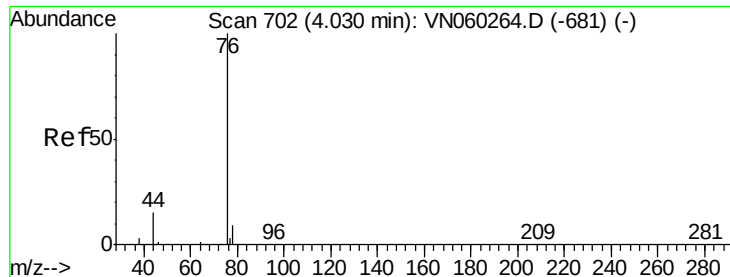
43 100

58 0.0 24.6 36.8#



Abundance Ion 43.00 (42.70 to 43.70): VN060321.D (-531) (-)





#17

Carbon Disulfide

Concen: 0.393 ug/l

RT: 4.04 min Scan# 704

Delta R.T. 0.01 min

Lab File: VN060321.D

Acq: 3 Mar 2020 12:03

Instrument :

MSVOA_N

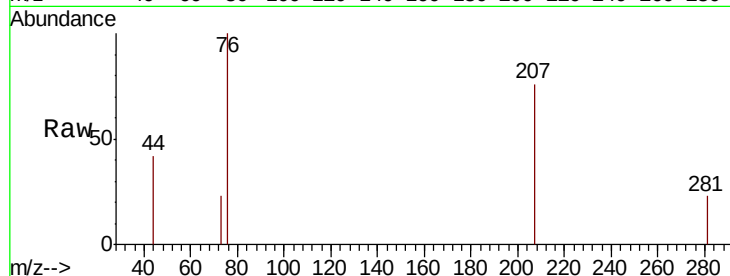
ClientSampleId :

Tot Ion: 76 Resp: 2362

Ion Ratio Lower Upper

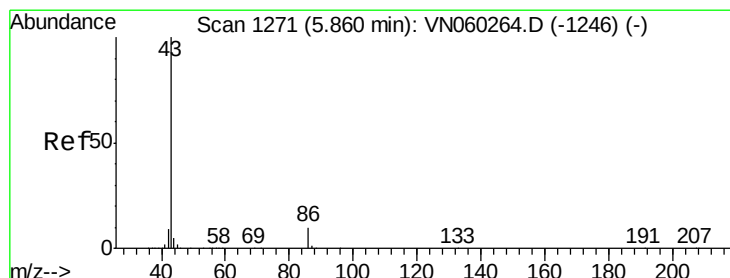
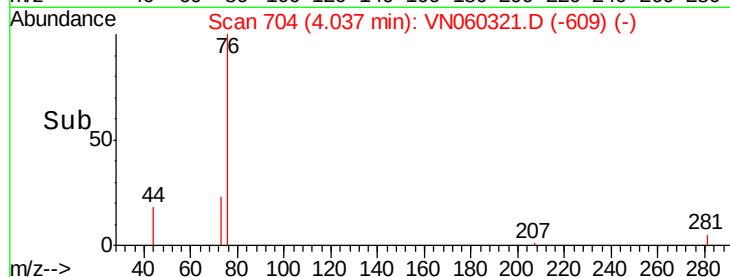
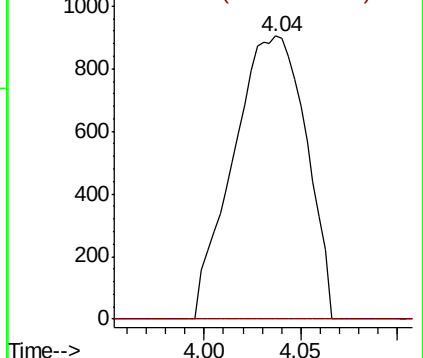
76 100

78 0.0 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#23

Vinyl Acetate

Concen: 0.996 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. 0.01 min

Lab File: VN060321.D

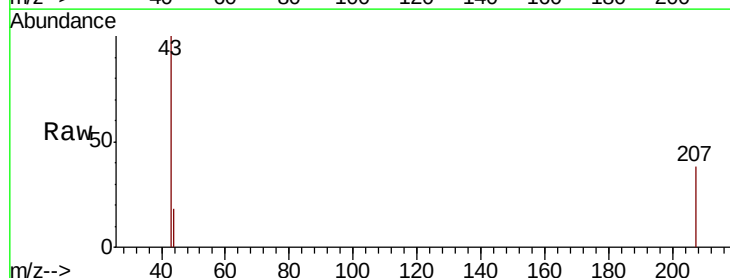
Acq: 3 Mar 2020 12:03

Tgt Ion: 43 Resp: 5728

Ion Ratio Lower Upper

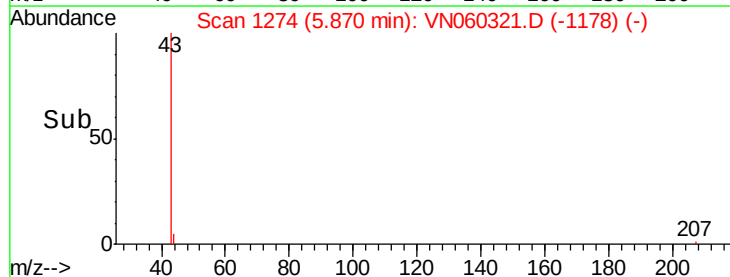
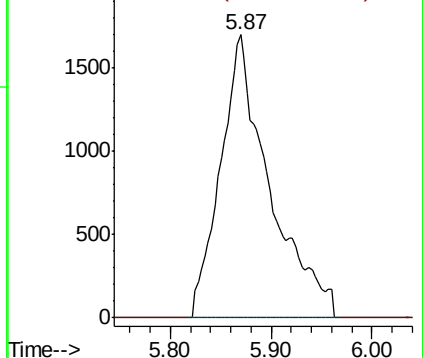
43 100

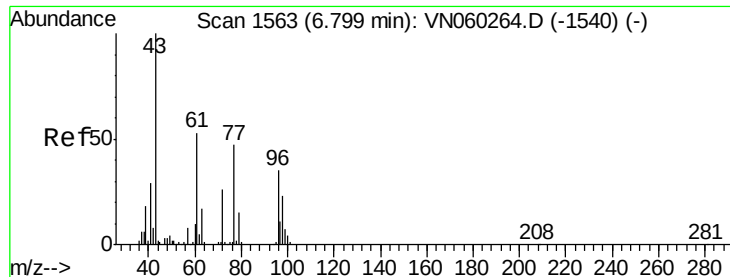
86 0.0 8.0 12.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

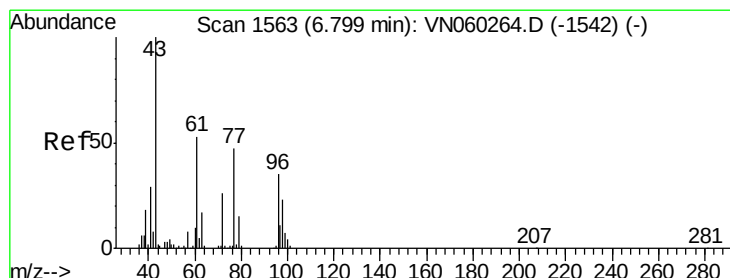
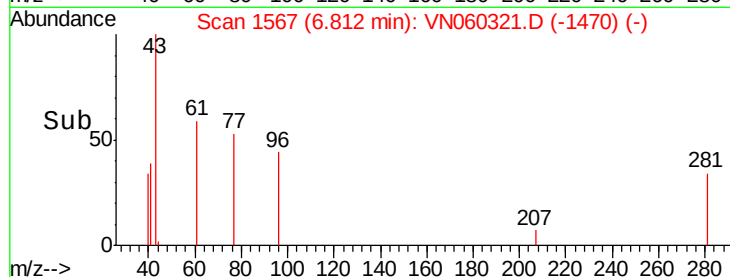
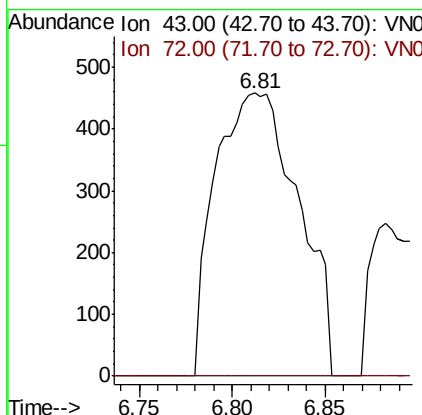
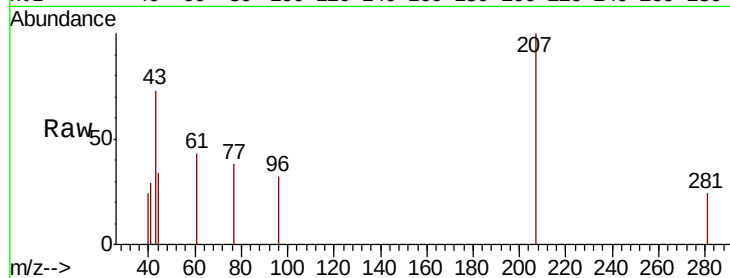




#25
2-Butanone
Concen: 1.058 ug/l
RT: 6.81 min Scan# 1567
Delta R.T. 0.01 min
Lab File: VN060321.D
Acq: 3 Mar 2020 12:03

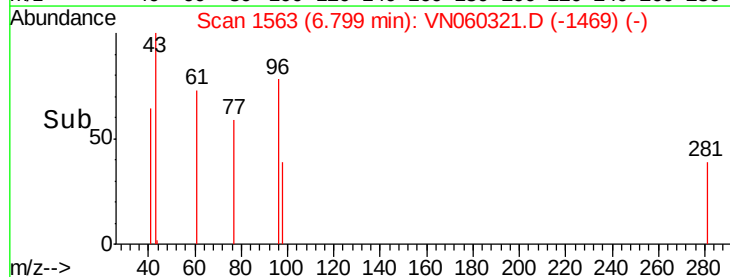
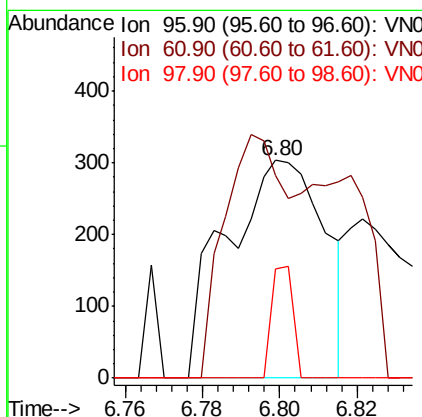
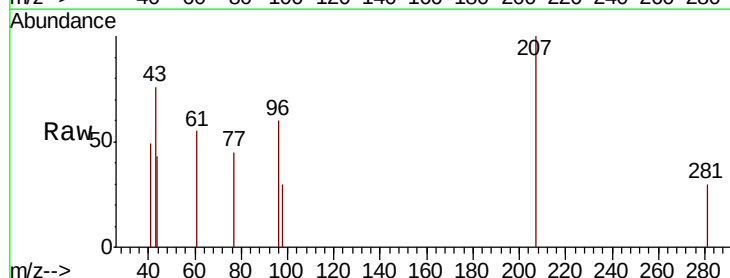
Instrument :
MSVOA_N
ClientSampled :

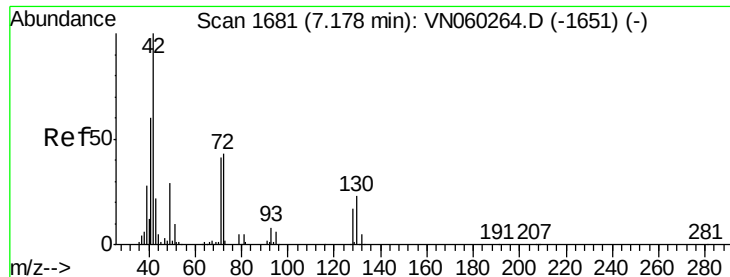
Tot Ion: 43 Resp: 1428
Ion Ratio Lower Upper
43 100
72 0.0 20.9 31.3#



#27
cis-1,2-Dichloroethene
Concen: 0.202 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VN060321.D
Acq: 3 Mar 2020 12:03

Tgt Ion: 96 Resp: 537
Ion Ratio Lower Upper
96 100
61 68.0 0.0 300.8
98 11.0 0.0 128.2





#29

Tetrahydrofuran

Concen: 0.634 ug/l

RT: 7.18 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VN060321.D

Acq: 3 Mar 2020 12:03

Instrument :

MSVOA_N

ClientSampleId :

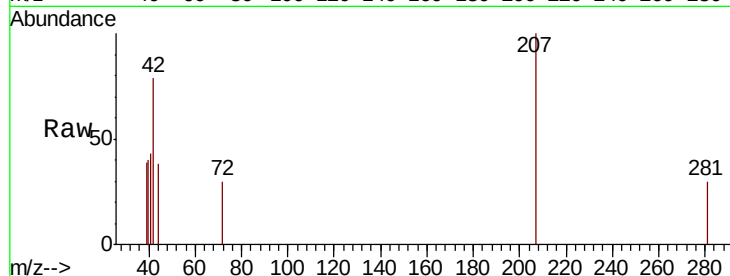
Tot Ion: 42 Resp: 595

Ion Ratio Lower Upper

42 100

72 9.7 34.6 52.0#

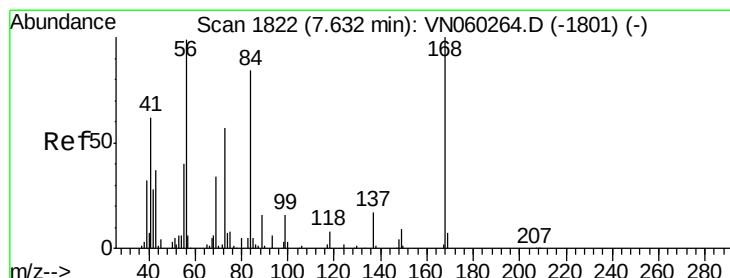
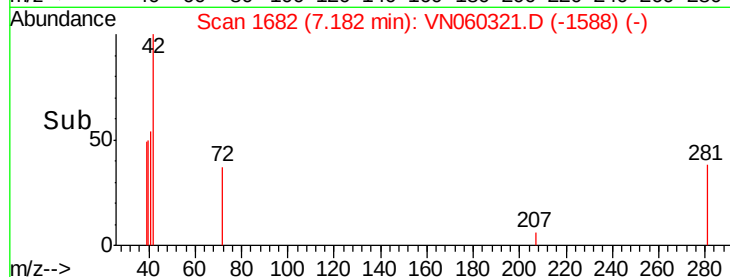
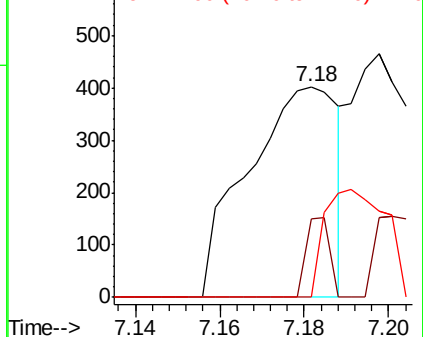
71 34.8 32.9 49.3



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



#31

Cyclohexane

Concen: 1.276 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.01 min

Lab File: VN060321.D

Acq: 3 Mar 2020 12:03

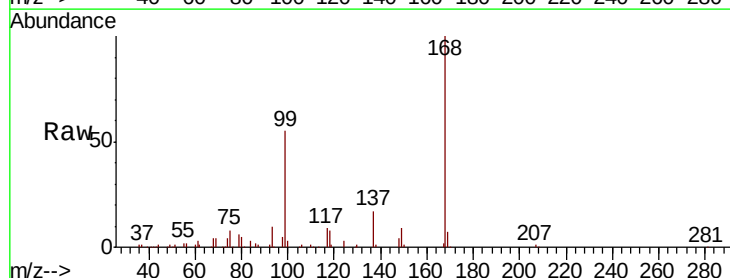
Tgt Ion: 56 Resp: 4844

Ion Ratio Lower Upper

56 100

69 164.3 27.2 40.8#

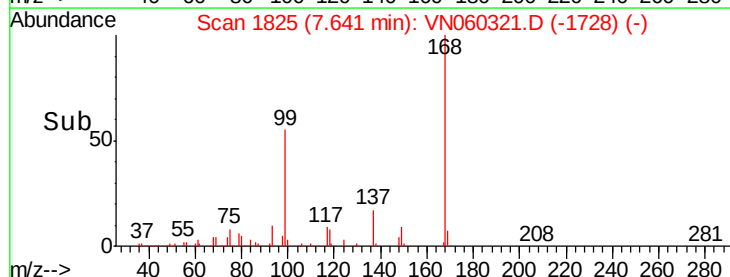
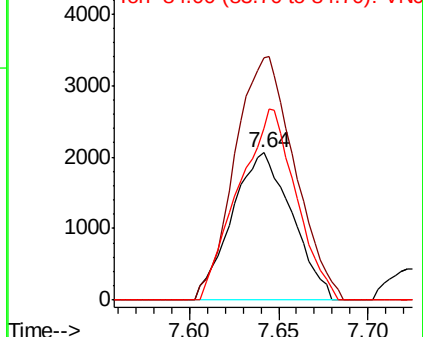
84 117.0 66.7 100.1#

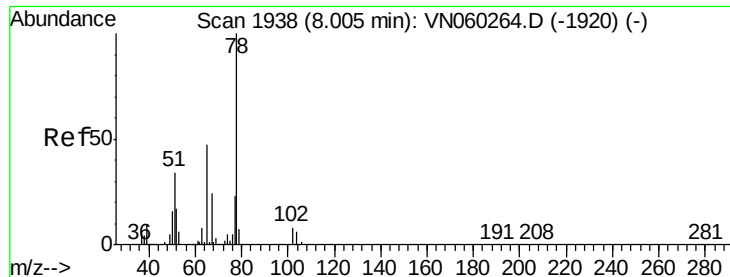


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

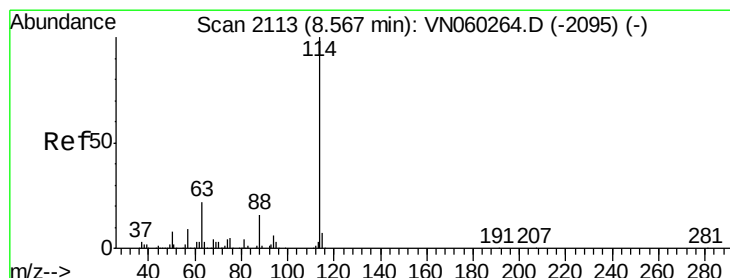
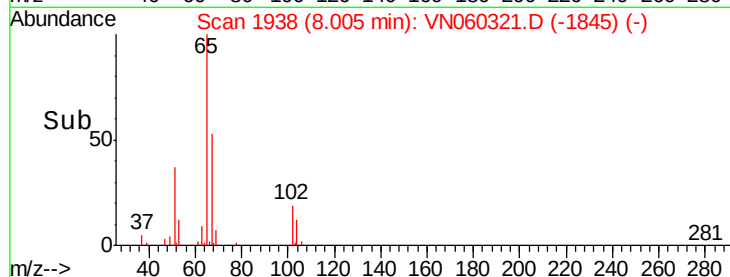
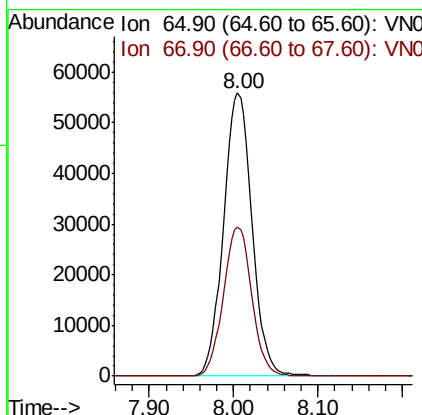
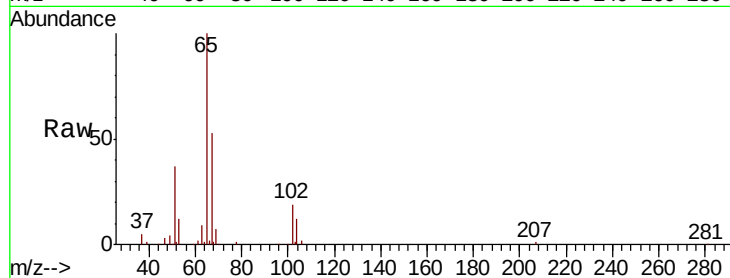




#33
 1,2-Dichloroethane-d4
 Concen: 50.781 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN060321.D
 Acq: 3 Mar 2020 12:03

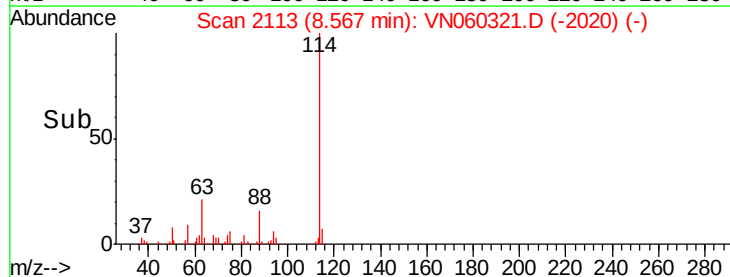
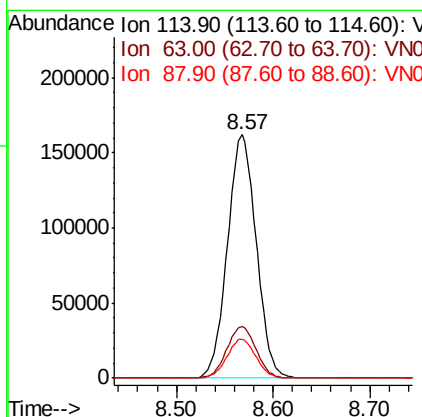
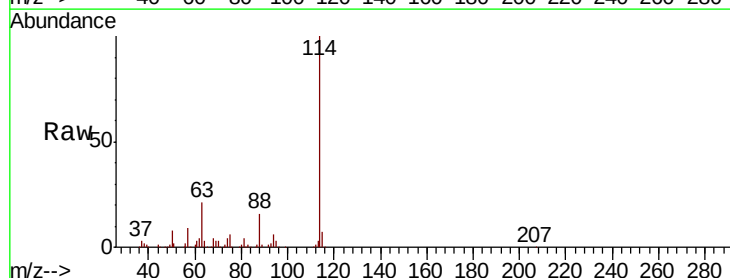
Instrument :
 MSVOA_N
 ClientSampleId :

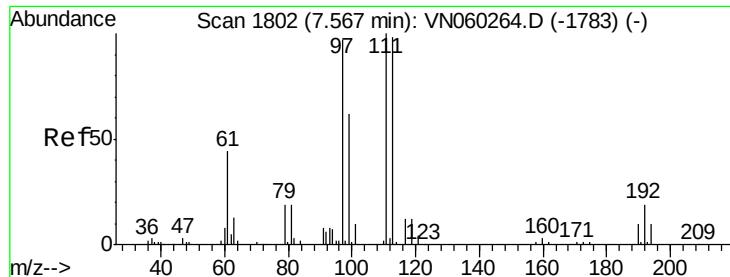
Tot Ion: 65 Resp: 131367
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060321.D
 Acq: 3 Mar 2020 12:03

Tgt Ion: 114 Resp: 335328
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 43.2
 88 16.0 0.0 31.6

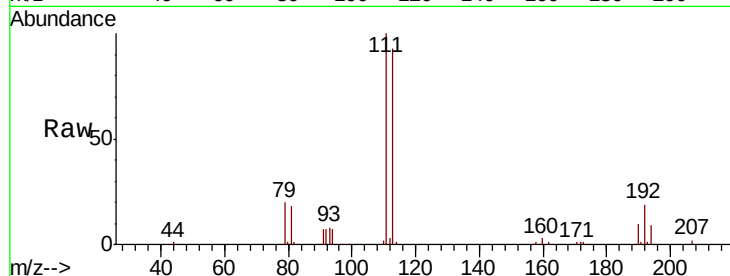




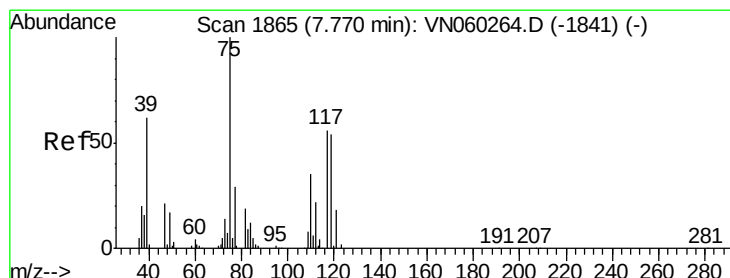
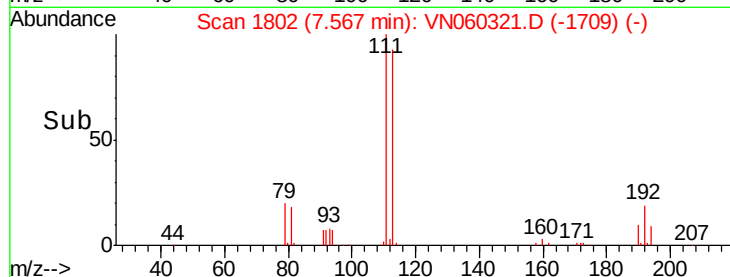
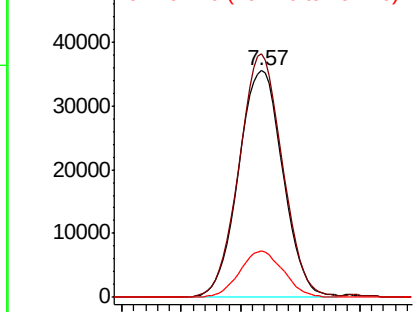
#35
Dibromofluoromethane
Concen: 59.047 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN060321.D
Acq: 3 Mar 2020 12:03

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.6	82.4	123.6
192	20.0	16.2	24.2

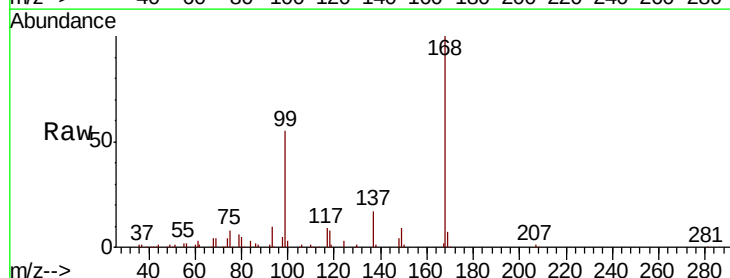


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

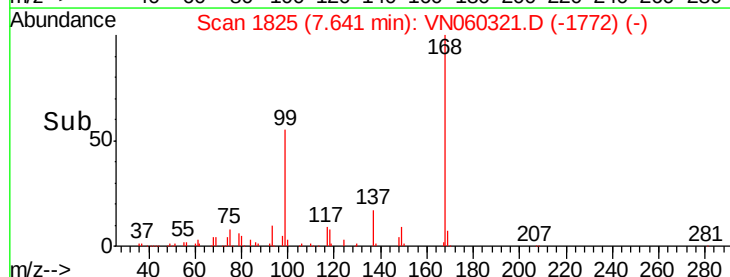
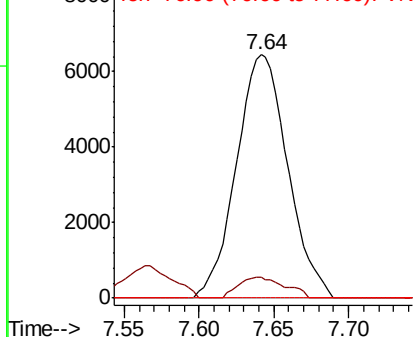


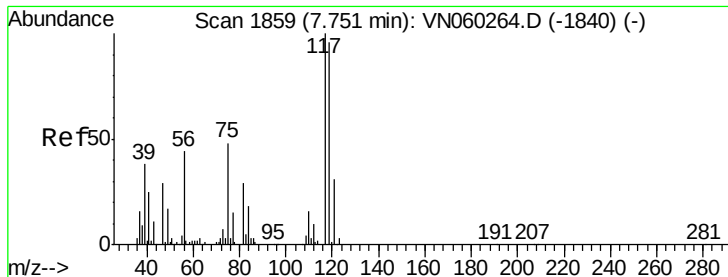
#36
1,1-Dichloropropene
Concen: 4.803 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.13 min
Lab File: VN060321.D
Acq: 3 Mar 2020 12:03

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.7	17.3	52.0#
77	0.0	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





#38

Carbon Tetrachloride

Concen: 6.278 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.11 min

Lab File: VN060321.D

Acq: 3 Mar 2020 12:03

Instrument :

MSVOA_N

ClientSampleId :

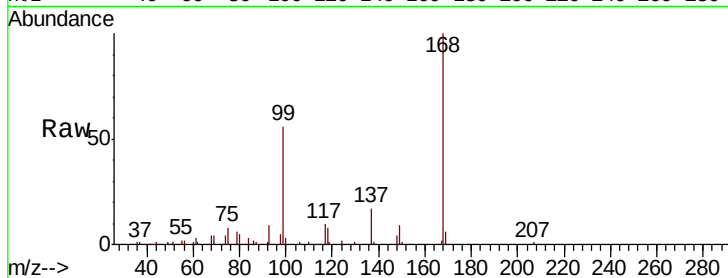
Tot Ion:117 Resp: 19533

Ion Ratio Lower Upper

117 100

119 6.1 76.7 115.1#

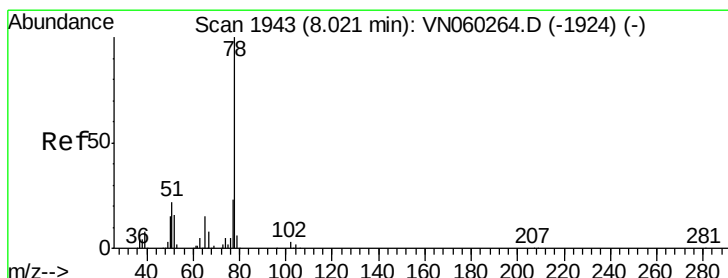
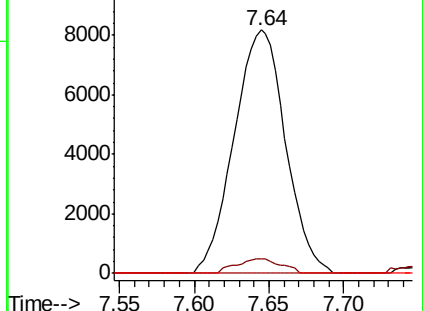
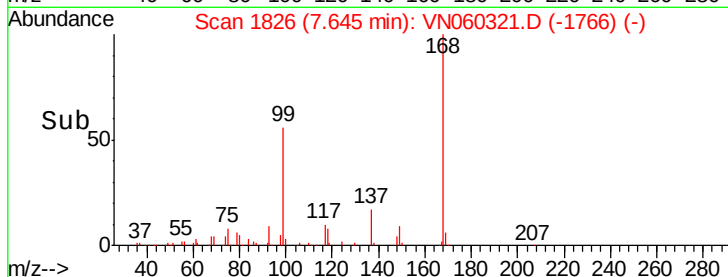
121 0.0 24.5 36.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#40

Benzene

Concen: 0.215 ug/l

RT: 8.02 min Scan# 1942

Delta R.T. -0.00 min

Lab File: VN060321.D

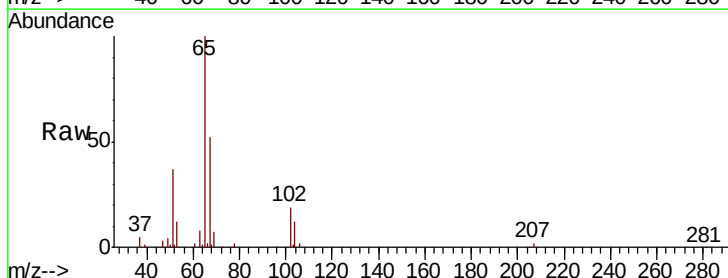
Acq: 3 Mar 2020 12:03

Tgt Ion: 78 Resp: 2002

Ion Ratio Lower Upper

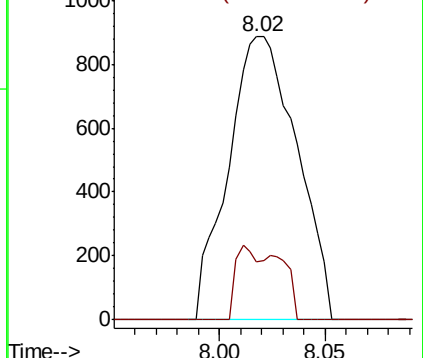
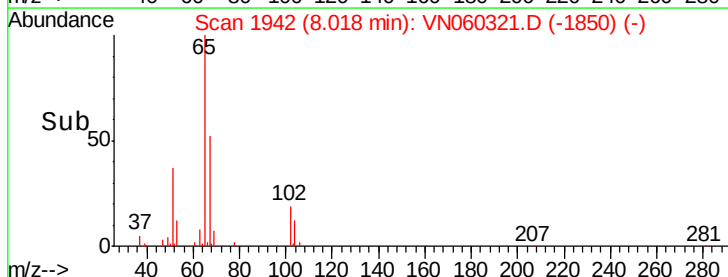
78 100

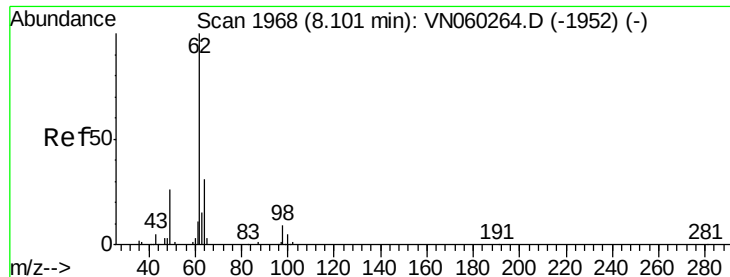
77 20.5 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

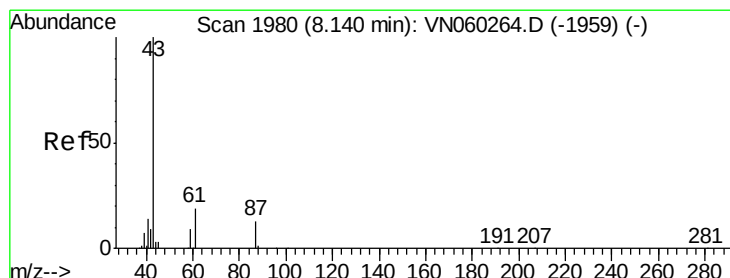
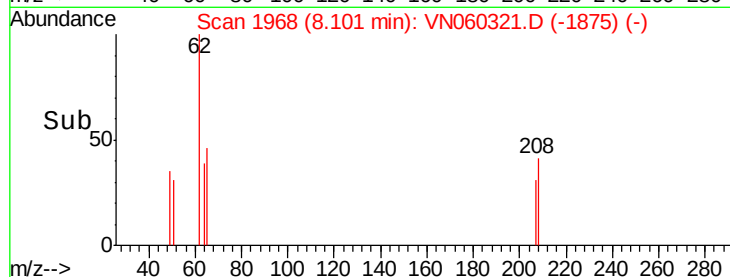
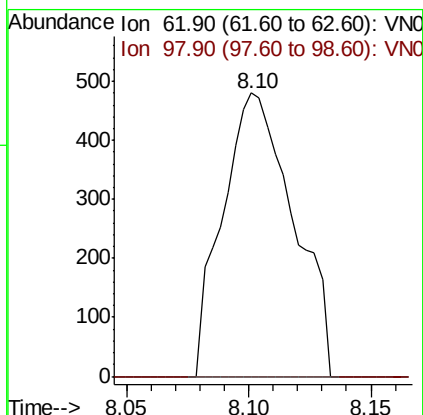
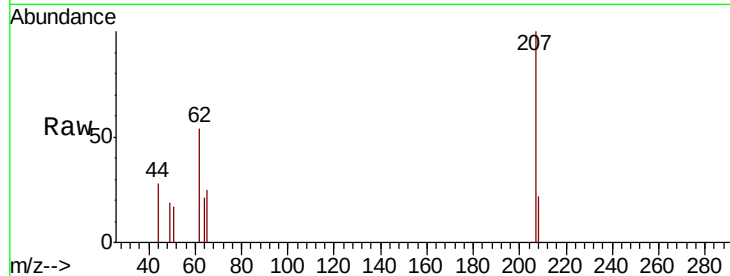




#42
 1,2-Dichloroethane
 Concen: 0.287 ug/l
 RT: 8.10 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VN060321.D
 Acq: 3 Mar 2020 12:03

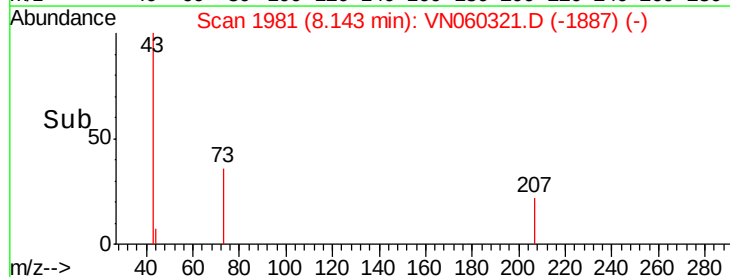
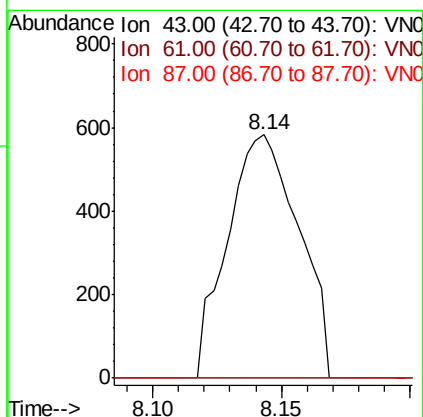
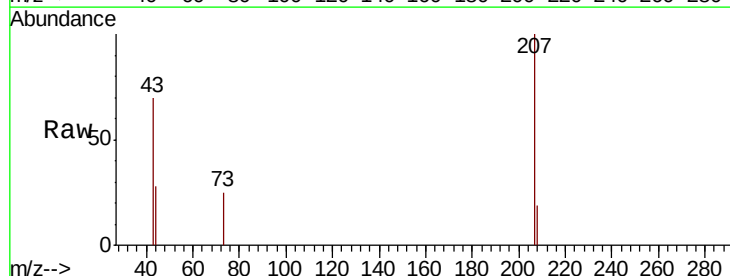
Instrument :
 MSVOA_N
 ClientSampled :

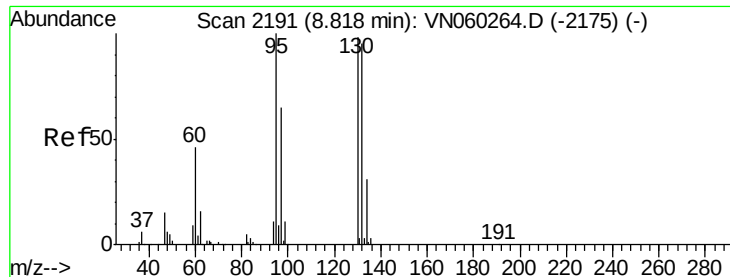
Tot Ion: 62 Resp: 962
 Ion Ratio Lower Upper
 62 100
 98 0.0 0.0 17.0



#43
 Isopropyl Acetate
 Concen: 0.212 ug/l
 RT: 8.14 min Scan# 1981
 Delta R.T. 0.00 min
 Lab File: VN060321.D
 Acq: 3 Mar 2020 12:03

Tgt Ion: 43 Resp: 1122
 Ion Ratio Lower Upper
 43 100
 61 0.0 20.9 31.3#
 87 0.0 10.6 16.0#





#44

Trichloroethene

Concen: 0.213 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VN060321.D

Acq: 3 Mar 2020 12:03

Instrument :

MSVOA_N

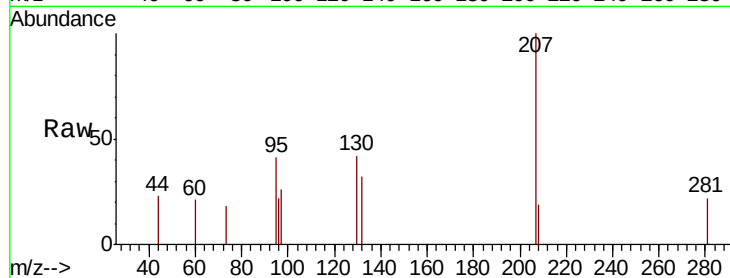
ClientSampleId :

Tot Ion:130 Resp: 551

Ion Ratio Lower Upper

130 100

95 97.2 0.0 203.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN

8.82

400

300

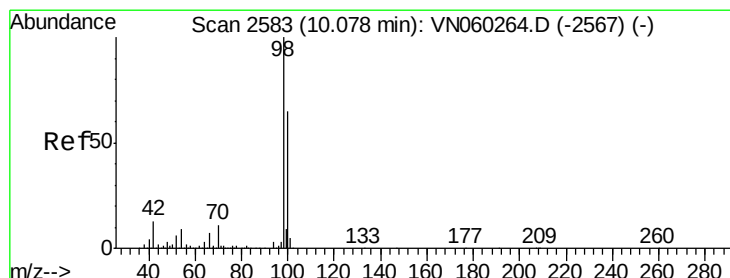
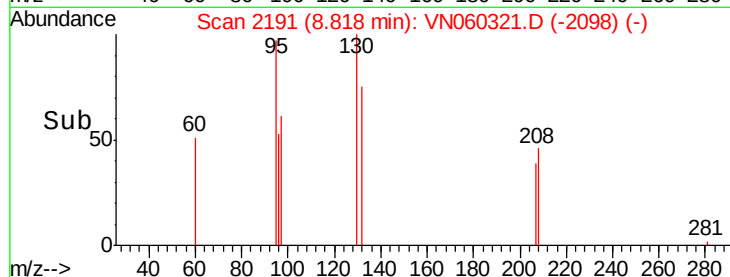
200

100

0

8.78 8.80 8.82 8.84

Time-->



#50

Toluene-d8

Concen: 47.370 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN060321.D

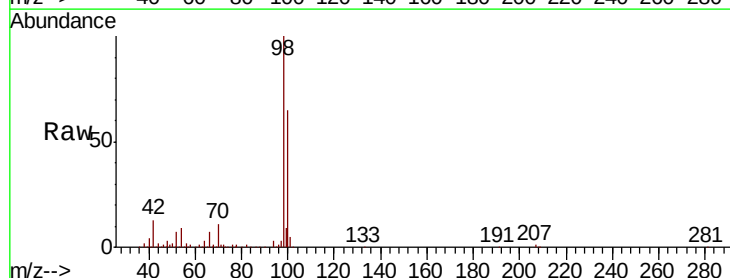
Acq: 3 Mar 2020 12:03

Tgt Ion: 98 Resp: 373157

Ion Ratio Lower Upper

98 100

100 64.9 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN

10.08

200000

150000

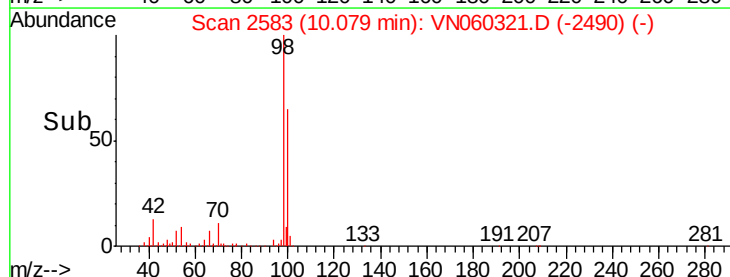
100000

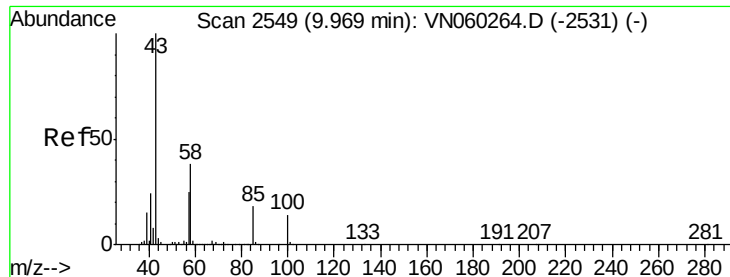
50000

0

10.00 10.10

Time-->





#51

4-Methyl-2-Pentanone

Concen: 1.130 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060321.D

Acq: 3 Mar 2020 12:03

Instrument :

MSVOA_N

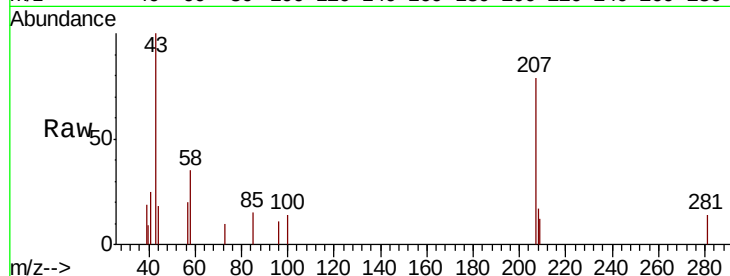
ClientSampleId :

Tot Ion: 43 Resp: 3394

Ion Ratio Lower Upper

43 100

58 33.4 30.9 46.3



Abundance Ion 43.00 (42.70 to 43.70): VN060264.D (-2531) (-)

Ion 58.00 (57.70 to 58.70): VN060264.D (-2531) (-)

9.97

2000

1500

1000

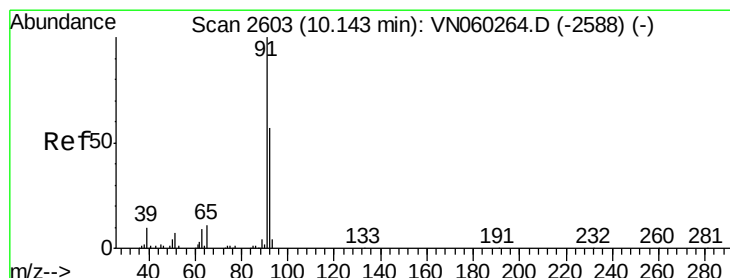
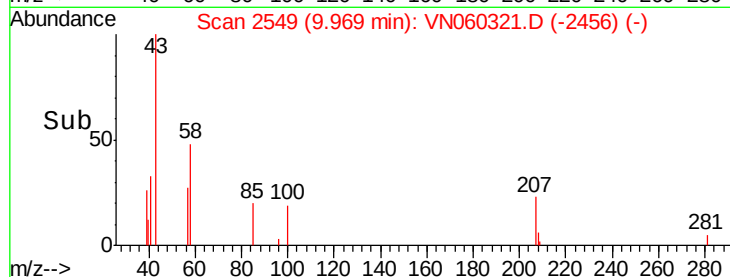
500

0

9.95

10.00

Time-->



#52

Toluene

Concen: 0.212 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN060321.D

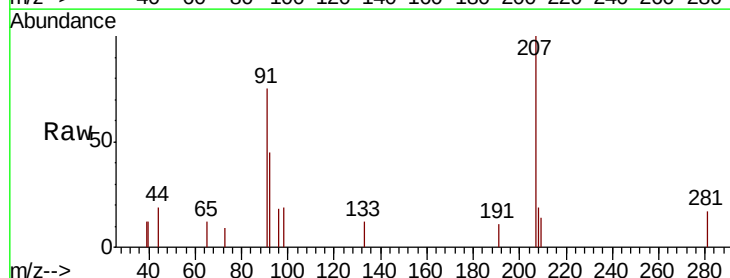
Acq: 3 Mar 2020 12:03

Tgt Ion: 92 Resp: 1240

Ion Ratio Lower Upper

92 100

91 190.8 138.1 207.1



Abundance Ion 92.00 (91.70 to 92.70): VN060264.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN060264.D (-2588) (-)

1500

1000

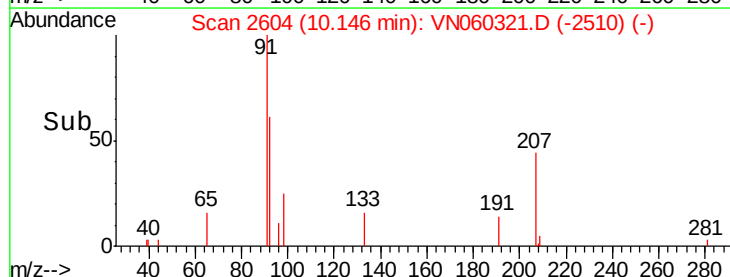
500

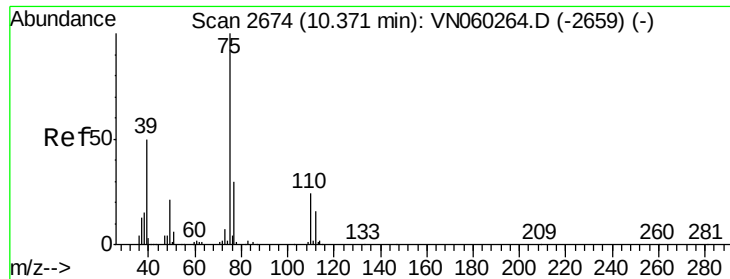
0

10.10

10.15

Time-->





#53

t-1,3-Dichloropropene

Concen: 0.253 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. 0.00 min

Lab File: VN060321.D

Acq: 3 Mar 2020 12:03

Instrument :

MSVOA_N

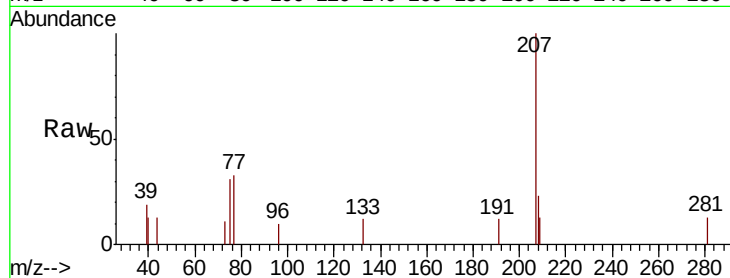
ClientSampled :

Tot Ion: 75 Resp: 995

Ion Ratio Lower Upper

75 100

77 8.3 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

800

600

400

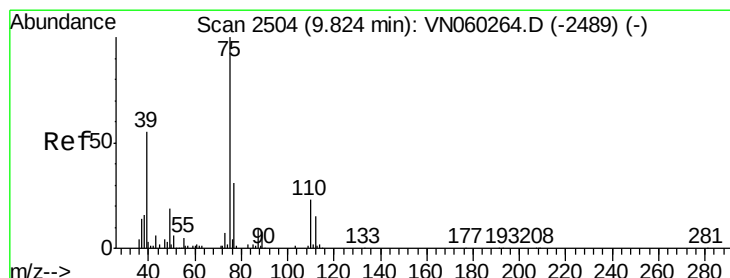
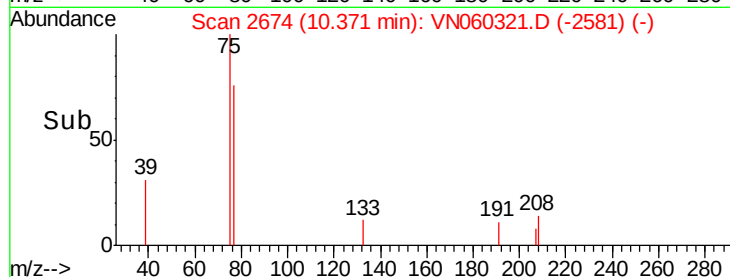
200

0

10.35

10.40

Time-->



#54

cis-1,3-Dichloropropene

Concen: 0.244 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN060321.D

Acq: 3 Mar 2020 12:03

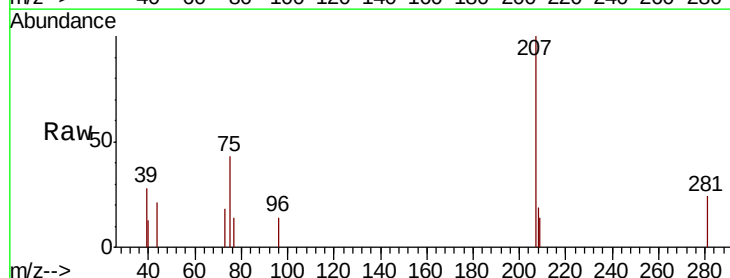
Tgt Ion: 75 Resp: 996

Ion Ratio Lower Upper

75 100

77 31.6 24.8 37.2

39 64.4 43.8 65.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

600

400

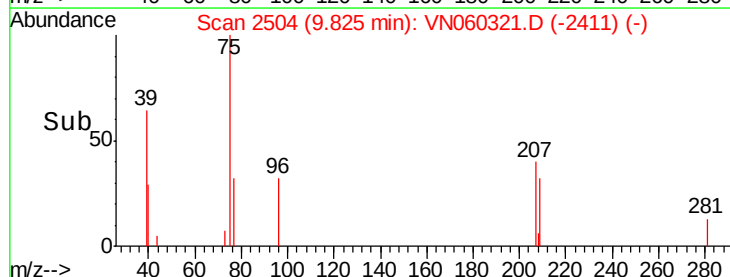
200

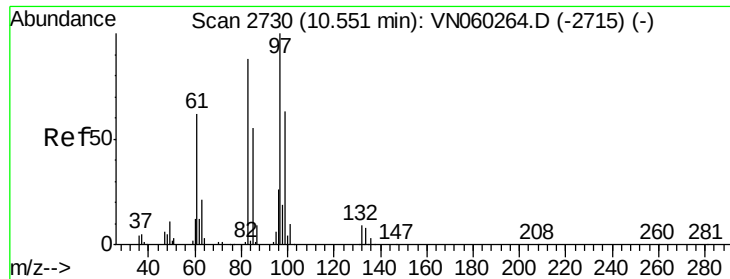
0

9.80

9.85

Time-->

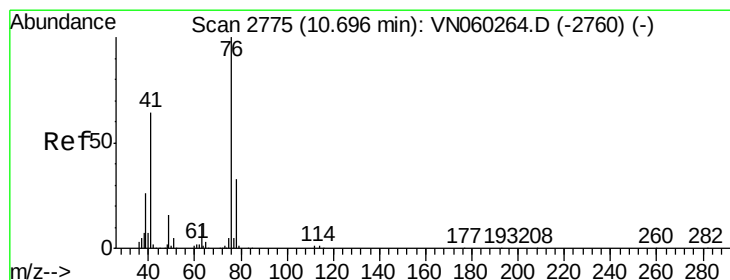
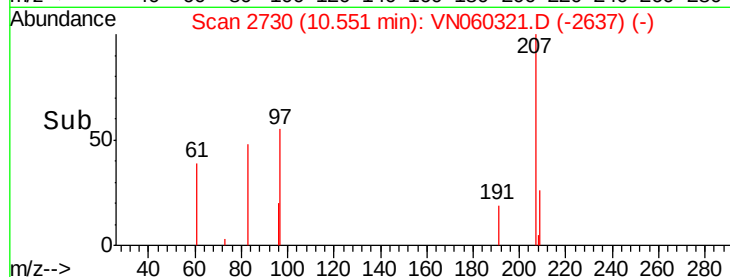
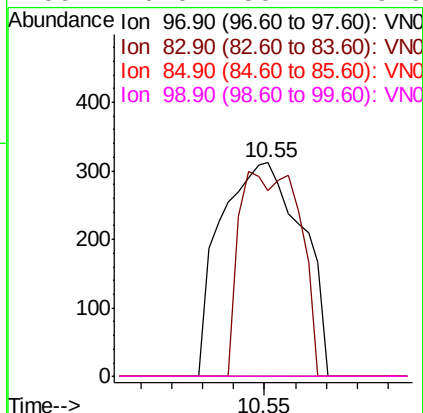
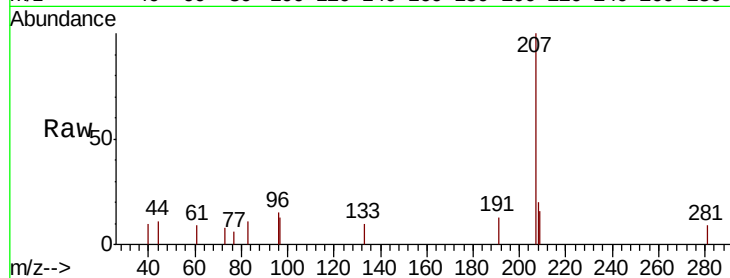




#55
 1,1,2-Trichloroethane
 Concen: 0.243 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060321.D
 Acq: 3 Mar 2020 12:03

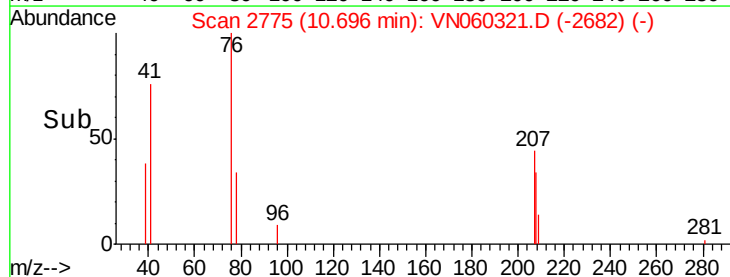
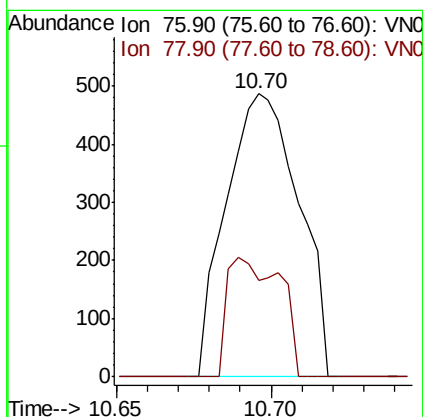
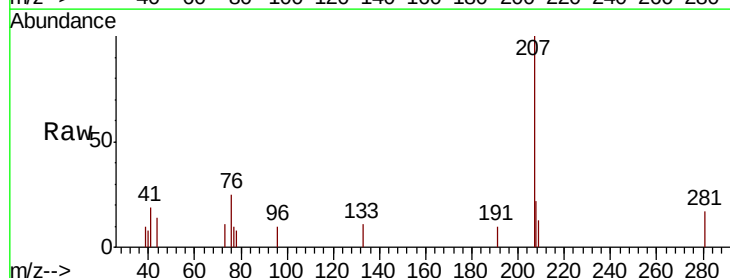
Instrument :
 MSVOA_N
 ClientSampled :

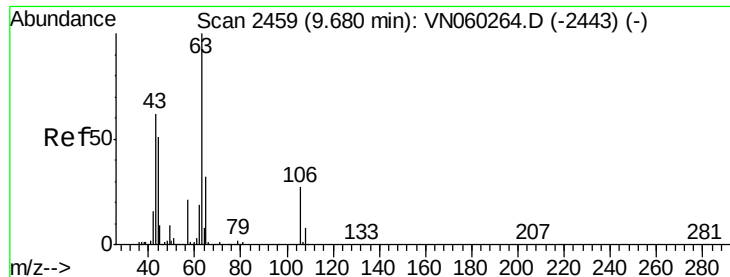
Tot Ion: 97 Resp: 572
 Ion Ratio Lower Upper
 97 100
 83 87.2 70.0 105.0
 85 0.0 44.0 66.0#
 99 0.0 50.4 75.6#



#57
 1,3-Dichloropropane
 Concen: 0.208 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN060321.D
 Acq: 3 Mar 2020 12:03

Tgt Ion: 76 Resp: 797
 Ion Ratio Lower Upper
 76 100
 78 30.5 26.2 39.2

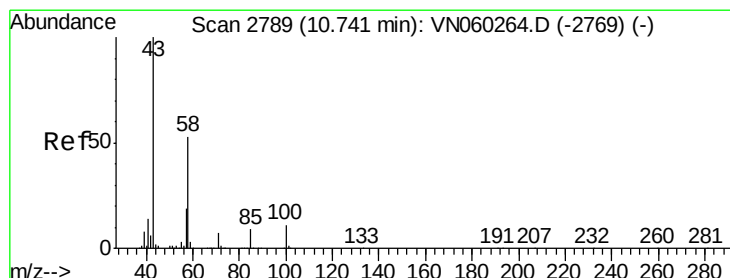
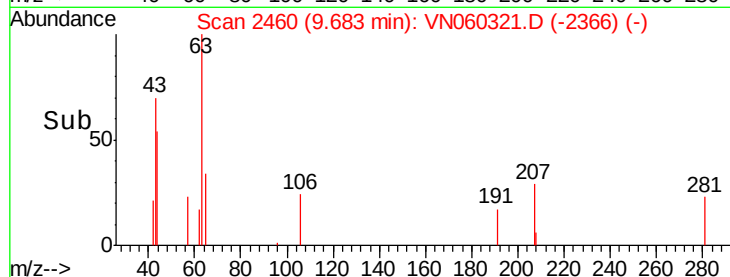
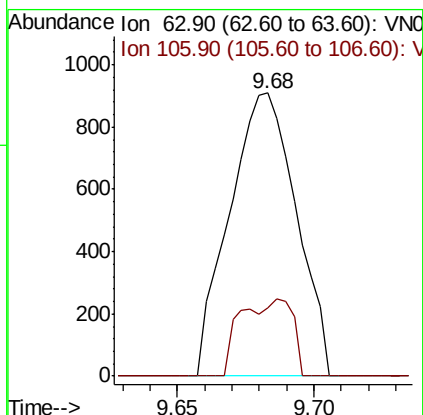
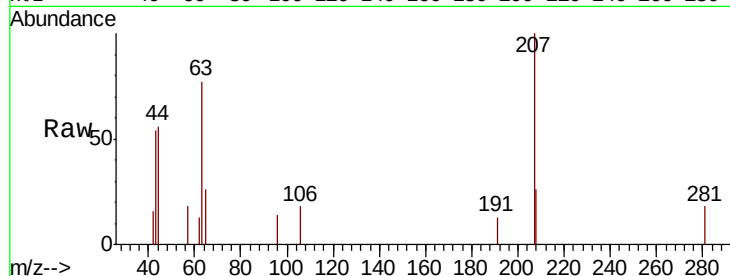




#58
 2-Chloroethyl Vinyl ether
 Concen: 0.874 ug/l
 RT: 9.68 min Scan# 2460
 Delta R.T. 0.00 min
 Lab File: VN060321.D
 Acq: 3 Mar 2020 12:03

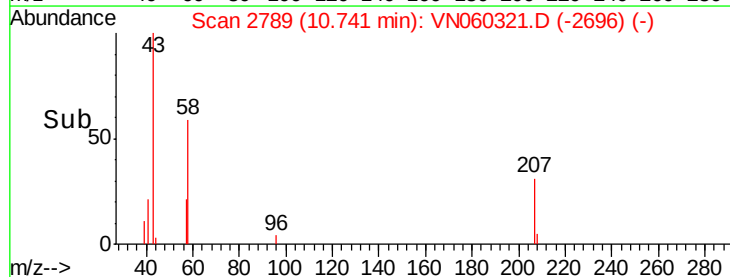
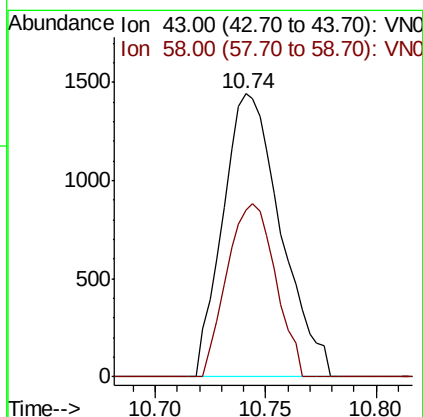
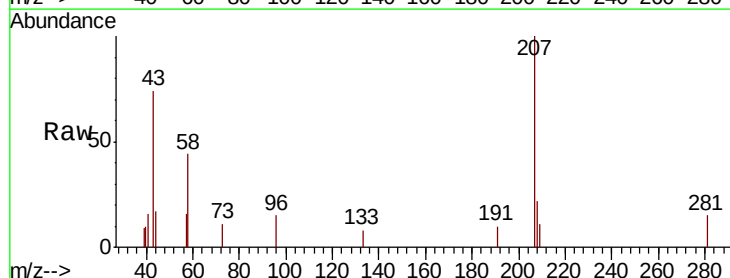
Instrument :
 MSVOA_N
 ClientSampled :

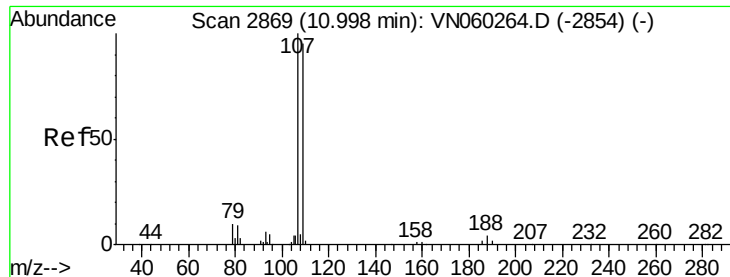
Tot Ion: 63 Resp: 1543
 Ion Ratio Lower Upper
 63 100
 106 21.3 21.1 31.7



#59
 2-Hexanone
 Concen: 1.188 ug/l
 RT: 10.74 min Scan# 2789
 Delta R.T. 0.00 min
 Lab File: VN060321.D
 Acq: 3 Mar 2020 12:03

Tgt Ion: 43 Resp: 2621
 Ion Ratio Lower Upper
 43 100
 58 51.2 26.5 79.5





#61

1,2-Dibromoethane

Concen: 0.245 ug/l

RT: 10.99 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VN060321.D

Acq: 3 Mar 2020 12:03

Instrument :

MSVOA_N

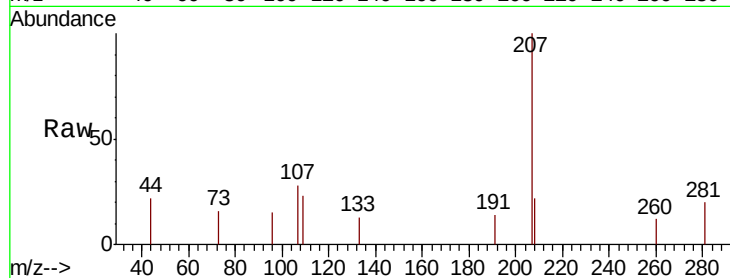
ClientSampleId :

Tot Ion: 107 Resp: 562

Ion Ratio Lower Upper

107 100

109 66.9 76.8 115.2#



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

10.99

300

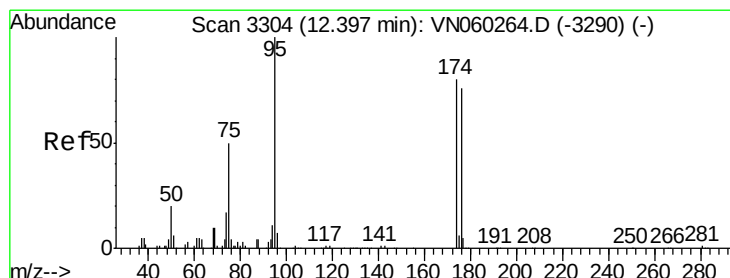
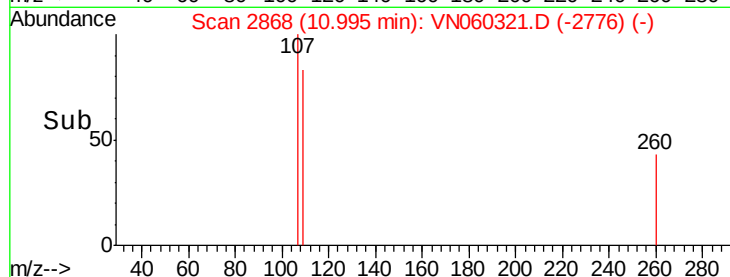
200

100

0

Time-->

11.00



#62

4-Bromofluorobenzene

Concen: 43.618 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060321.D

Acq: 3 Mar 2020 12:03

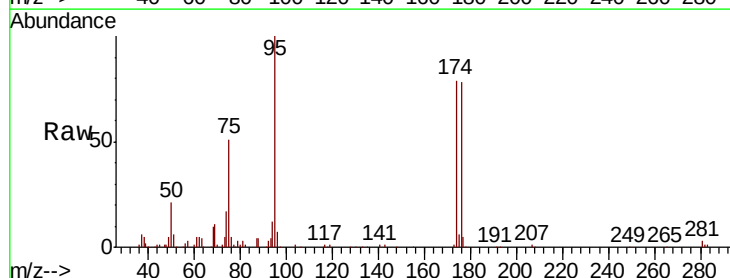
Tgt Ion: 95 Resp: 130253

Ion Ratio Lower Upper

95 100

174 80.3 0.0 159.2

176 78.6 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

100000

80000

60000

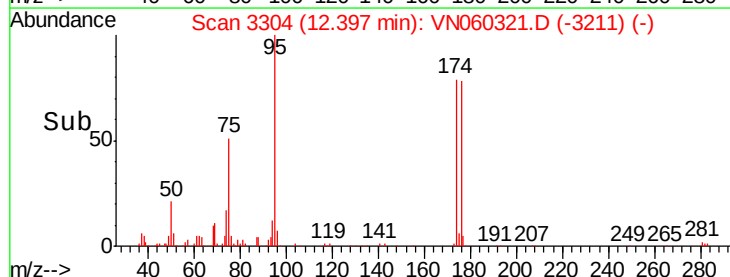
40000

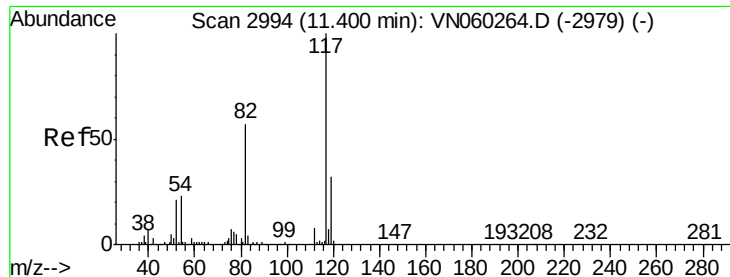
20000

0

Time-->

12.30 12.35 12.40 12.45

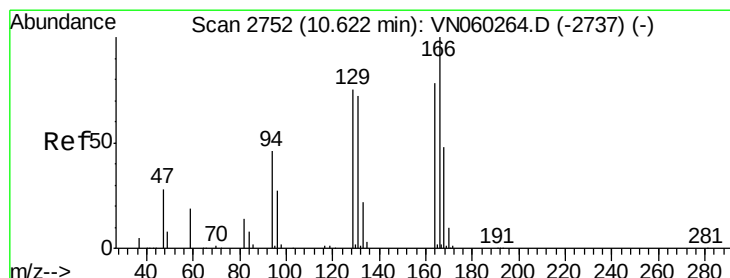
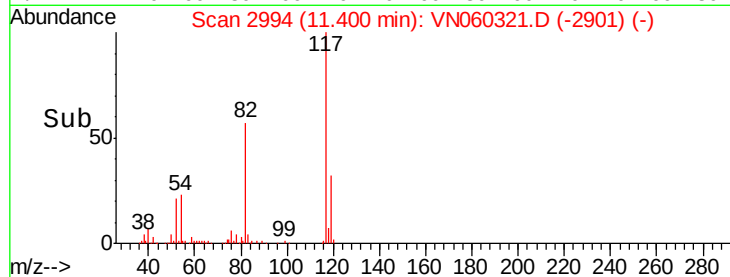
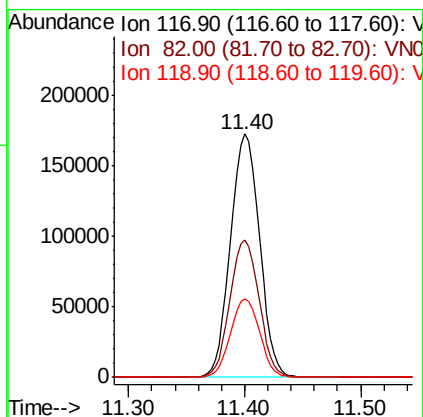
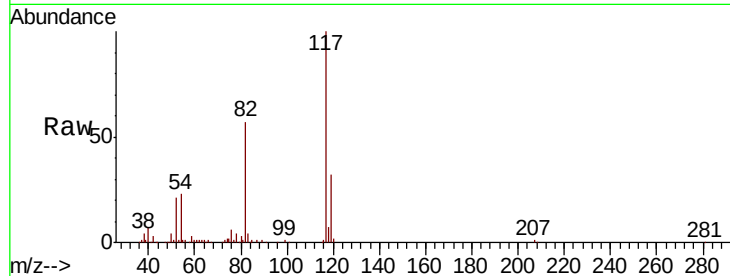




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060321.D
Acq: 3 Mar 2020 12:03

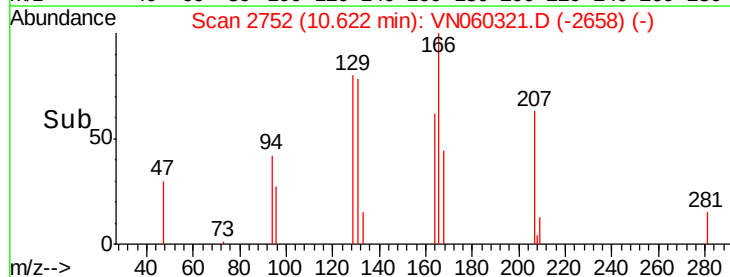
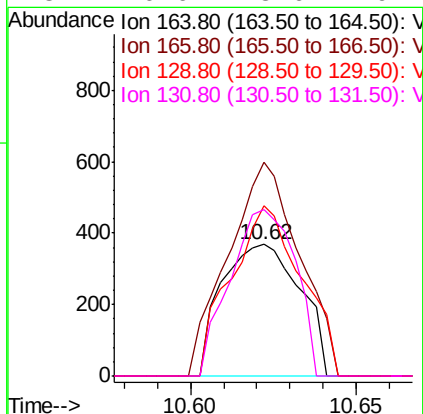
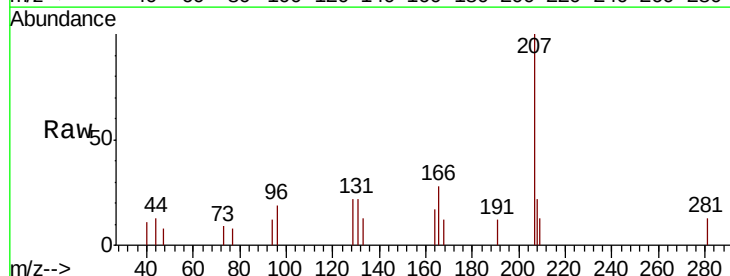
Instrument :
MSVOA_N
ClientSampleId :

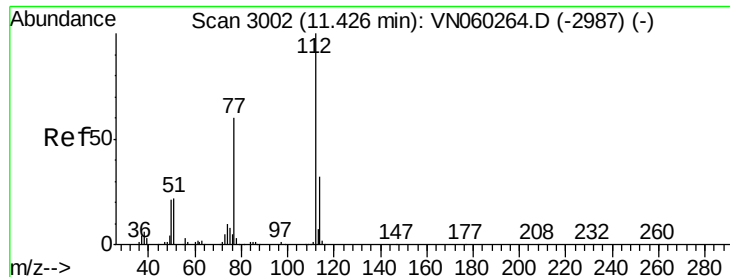
Tot Ion:117 Resp: 298872
Ion Ratio Lower Upper
117 100
82 56.6 45.8 68.6
119 32.3 25.8 38.8



#64
Tetrachloroethene
Concen: 0.228 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060321.D
Acq: 3 Mar 2020 12:03

Tgt Ion:164 Resp: 606
Ion Ratio Lower Upper
164 100
166 162.5 102.0 153.0#
129 129.6 76.4 114.6#
131 126.6 73.6 110.4#

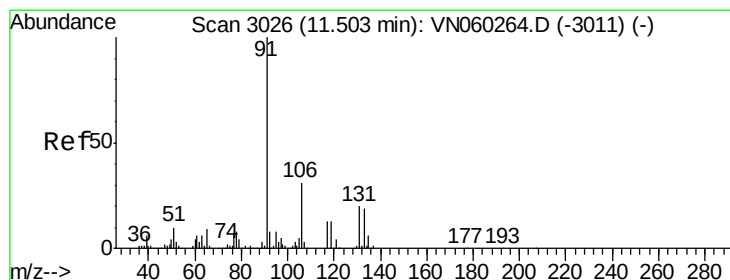
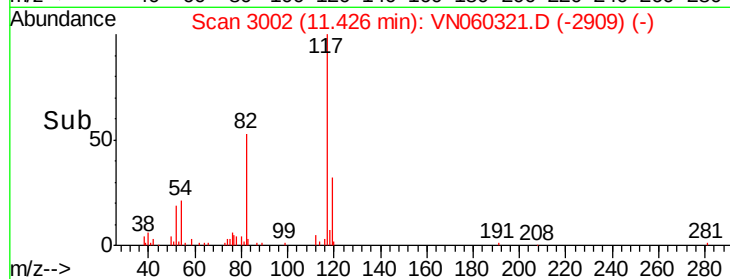
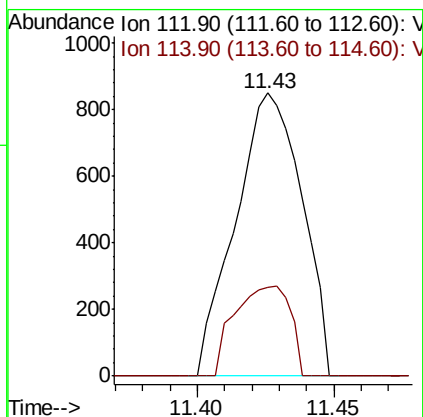
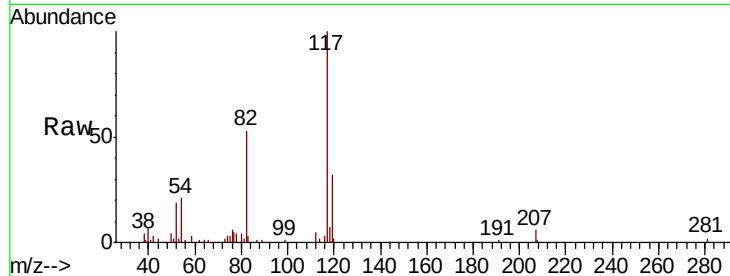




#65
Chlorobenzene
Concen: 0.238 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN060321.D
Acq: 3 Mar 2020 12:03

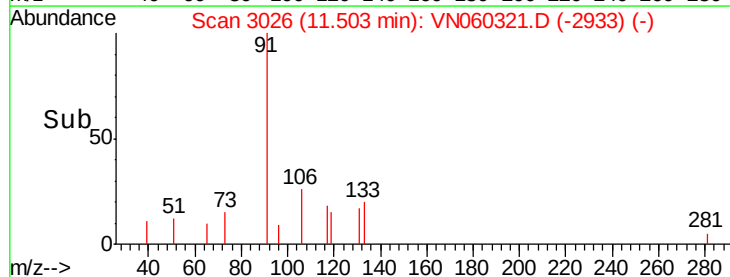
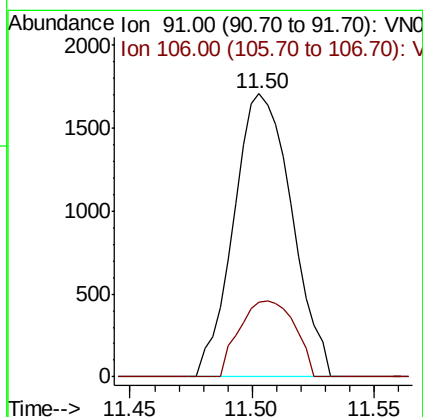
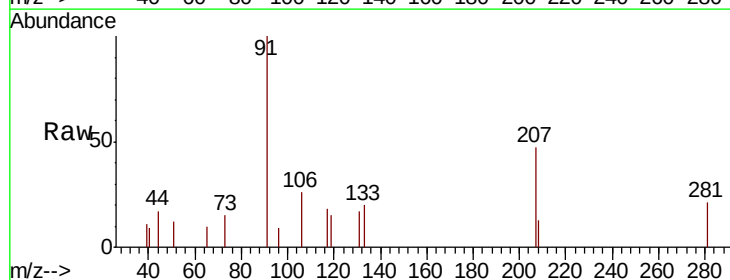
Instrument :
MSVOA_N
ClientSampled :

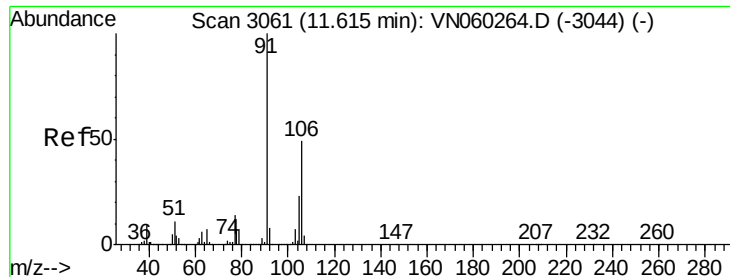
Tot Ion:112 Resp: 1435
Ion Ratio Lower Upper
112 100
114 31.4 25.4 38.0



#67
Ethyl Benzene
Concen: 0.256 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060321.D
Acq: 3 Mar 2020 12:03

Tgt Ion: 91 Resp: 2817
Ion Ratio Lower Upper
91 100
106 26.5 24.7 37.1

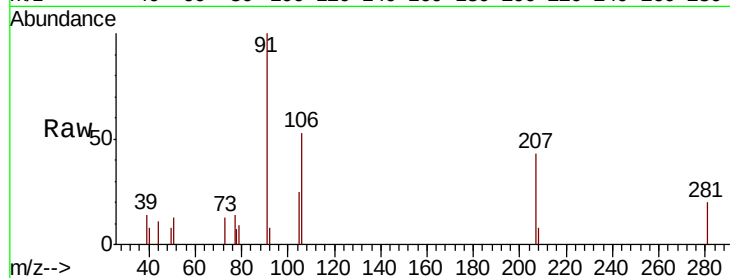




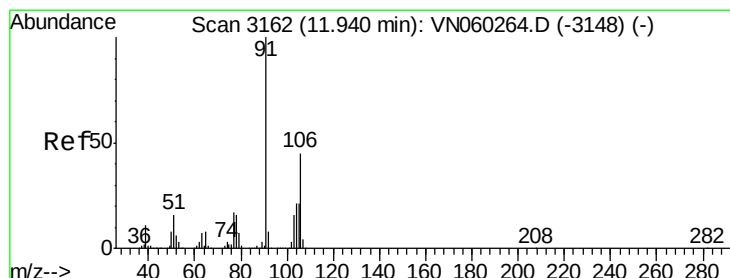
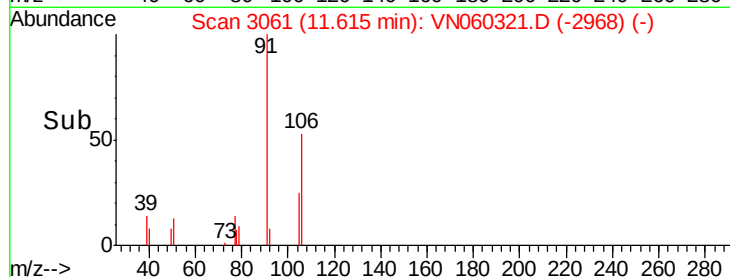
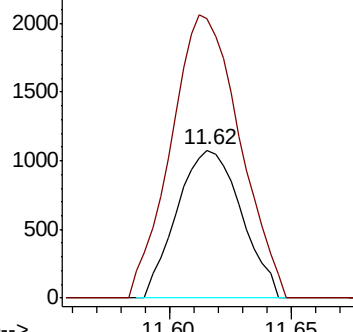
#68
m/p-Xylenes
Concen: 0.476 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN060321.D
Acq: 3 Mar 2020 12:03

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 1974
Ion Ratio Lower Upper
106 100
91 203.6 164.5 246.7

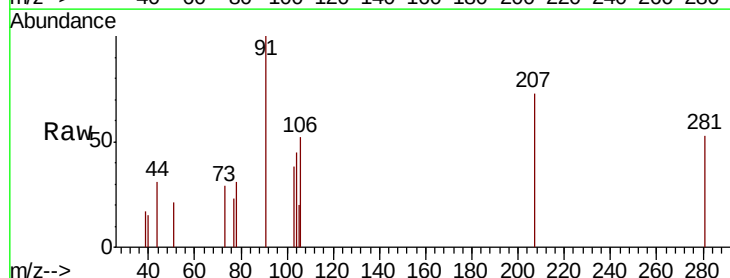


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

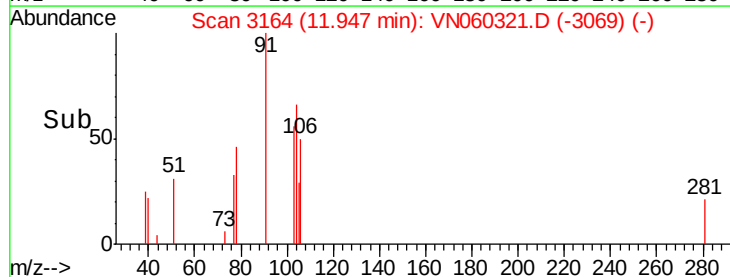
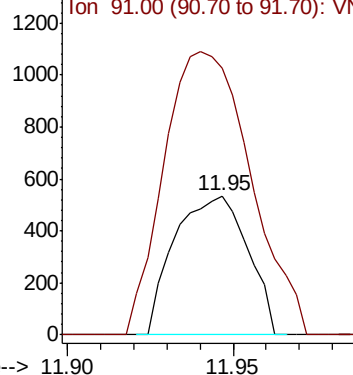


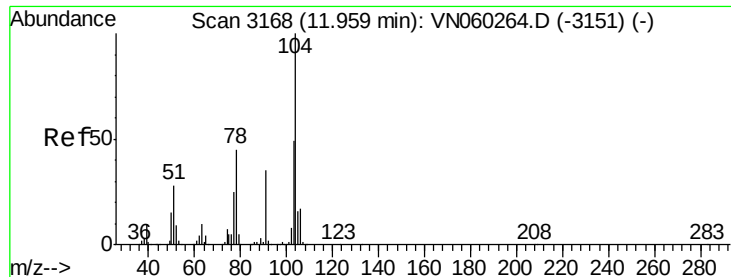
#69
o-Xylene
Concen: 0.207 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.01 min
Lab File: VN060321.D
Acq: 3 Mar 2020 12:03

Tgt Ion:106 Resp: 820
Ion Ratio Lower Upper
106 100
91 241.6 109.5 328.4



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

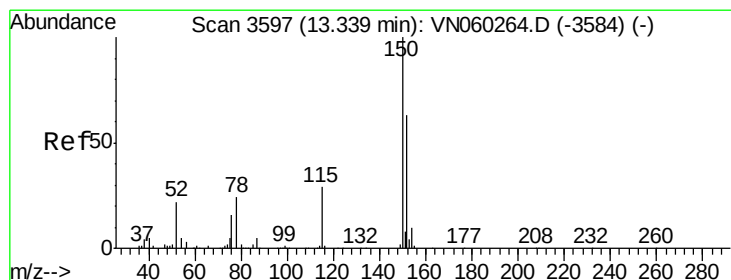
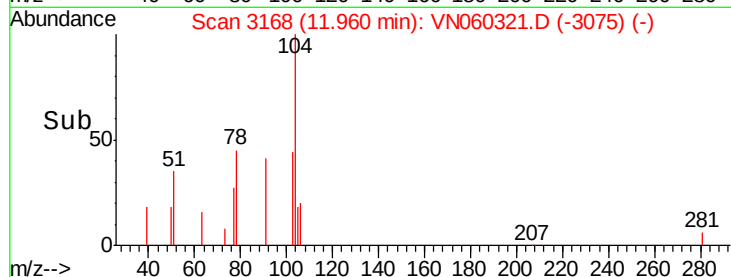
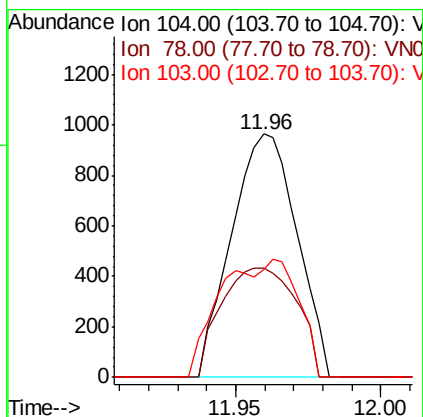
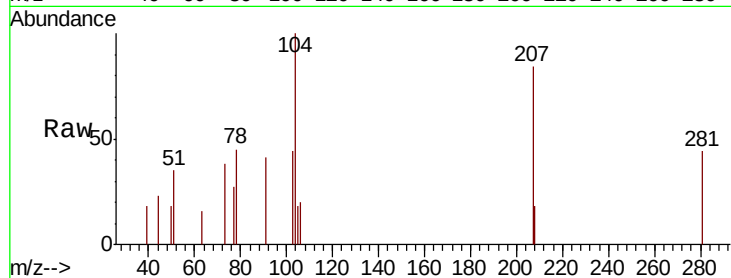




#70
Stvrene
Concen: 0.232 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN060321.D
Acq: 3 Mar 2020 12:03

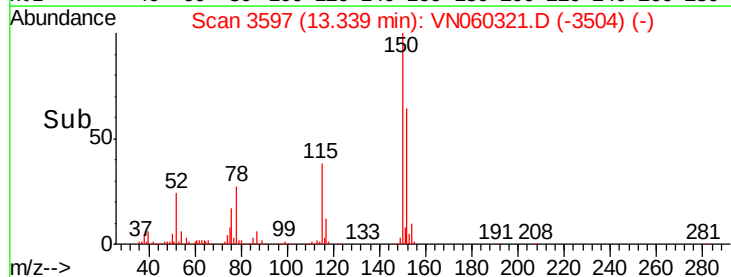
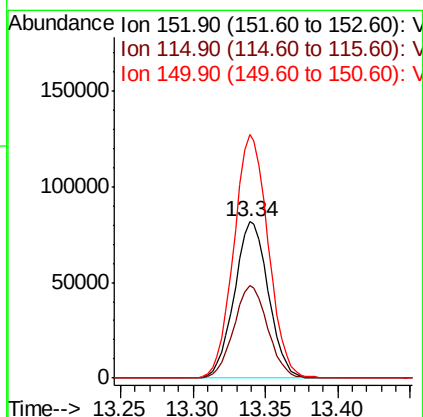
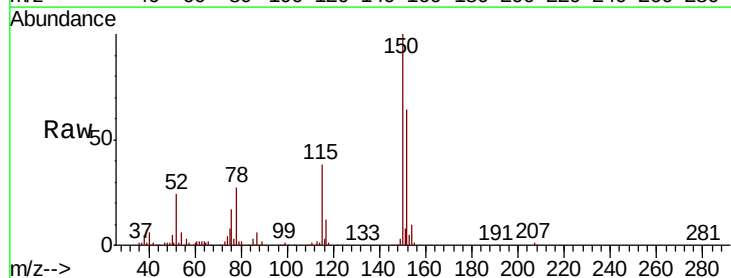
Instrument :
MSVOA_N
ClientSampled :

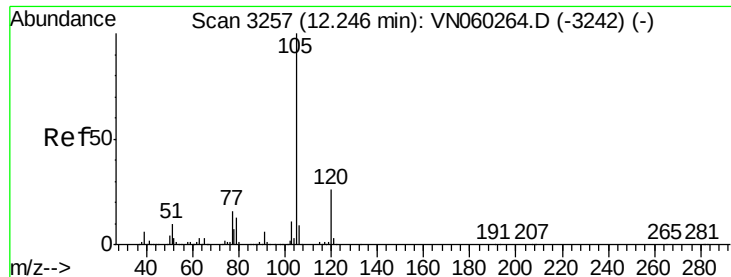
Tot Ion:104 Resp: 1509
Ion Ratio Lower Upper
104 100
78 51.6 41.2 61.8
103 29.6 43.9 65.9#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060321.D
Acq: 3 Mar 2020 12:03

Tgt Ion:152 Resp: 133612
Ion Ratio Lower Upper
152 100
115 58.6 30.0 90.0
150 157.0 0.0 349.6





#73

Isopropylbenzene

Concen: 0.243 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060321.D

Acq: 3 Mar 2020 12:03

Instrument :

MSVOA_N

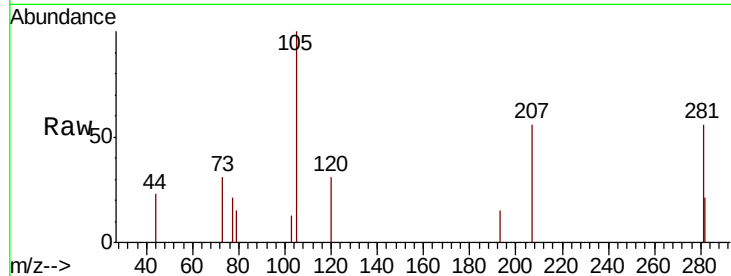
ClientSampleId :

Tot Ion: 105 Resp: 2408

Ion Ratio Lower Upper

105 100

120 23.2 13.0 38.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.24

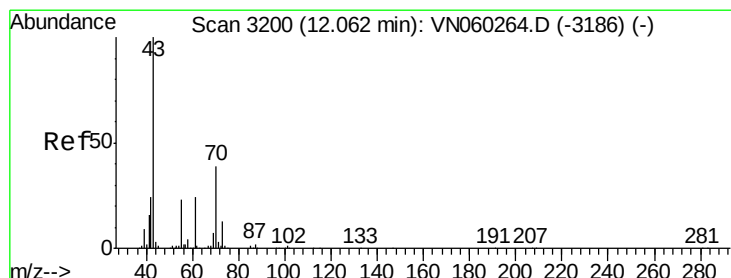
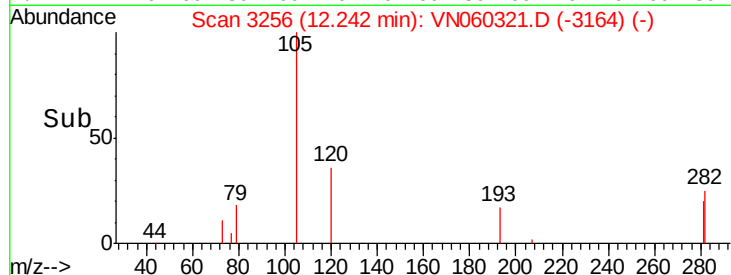
1500

1000

500

0

Time-->



#74

N-ethyl acetate

Concen: 0.324 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN060321.D

Acq: 3 Mar 2020 12:03

Tgt Ion: 43 Resp: 1404

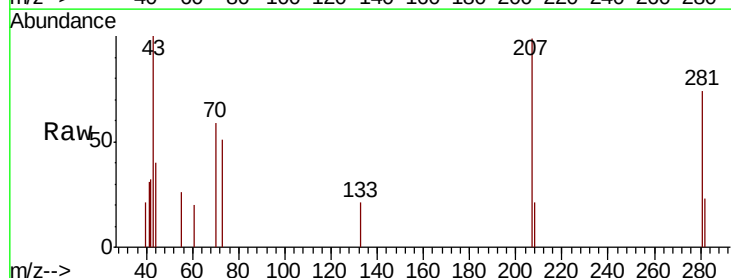
Ion Ratio Lower Upper

43 100

70 39.5 32.2 48.2

55 16.0 18.2 27.4#

61 7.0 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

1200

1000

800

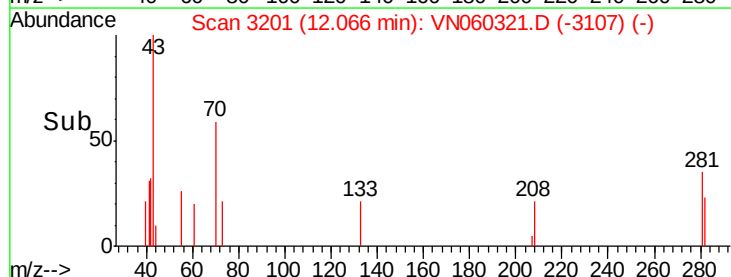
600

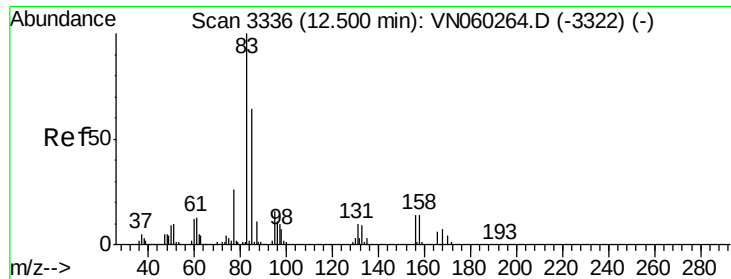
400

200

0

Time-->

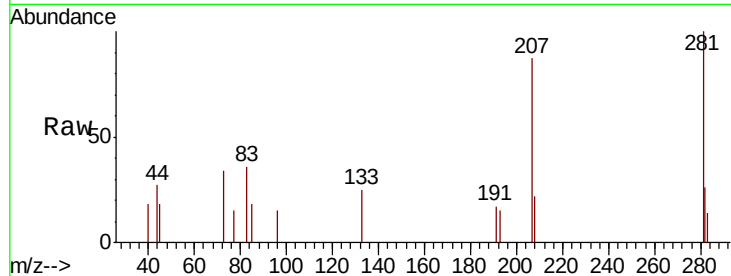




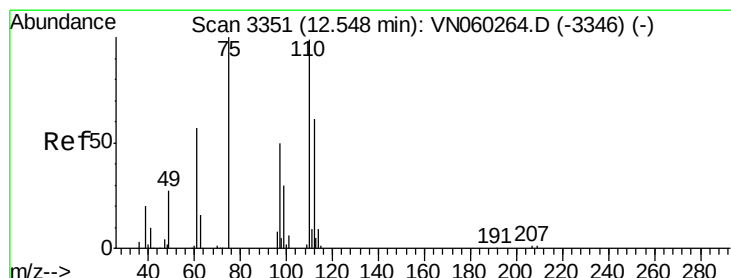
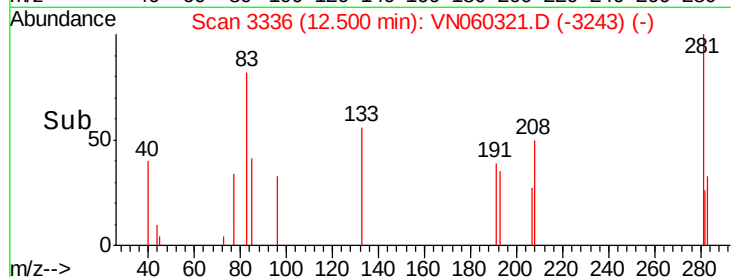
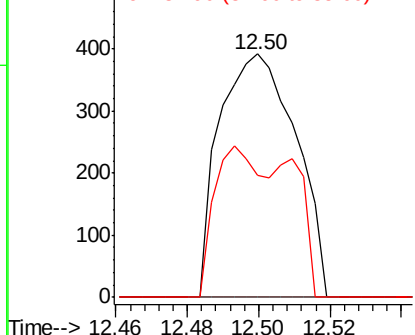
#75
 1,1,2,2-Tetrachloroethane
 Concen: 0.215 ug/l
 RT: 12.50 min Scan# 3336
 Delta R.T. 0.00 min
 Lab File: VN060321.D
 Acq: 3 Mar 2020 12:03

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 83 Resp: 579
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.1 15.3#
 85 40.9 32.3 96.8

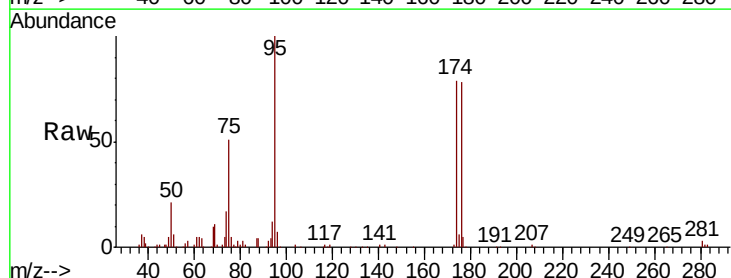


Abundance Ion 82.90 (82.60 to 83.60): VN0
 Ion 130.80 (130.50 to 131.50): V
 Ion 84.90 (84.60 to 85.60): VN0

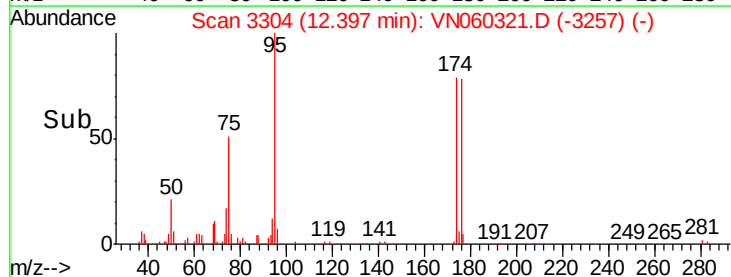
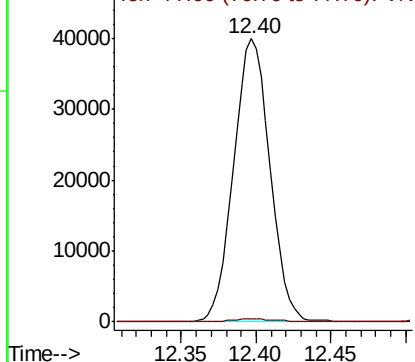


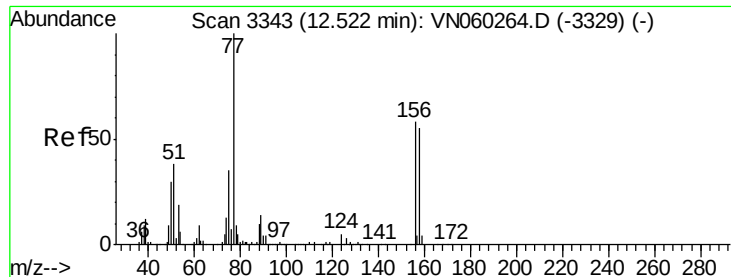
#76
 1,2,3-Trichloropropane
 Concen: 23.019 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.15 min
 Lab File: VN060321.D
 Acq: 3 Mar 2020 12:03

Tgt Ion: 75 Resp: 67479
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 0.243 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060321.D

Acq: 3 Mar 2020 12:03

Instrument :

MSVOA_N

ClientSampleId :

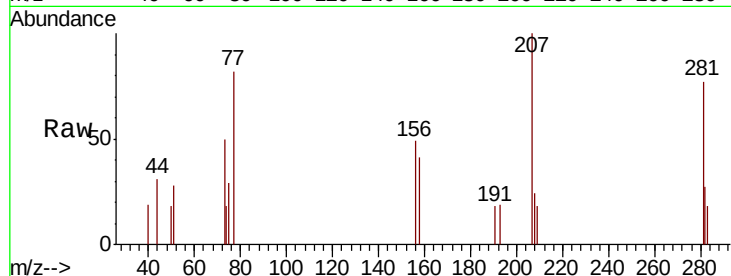
Tot Ion:156 Resp: 591

Ion Ratio Lower Upper

156 100

77 294.9 106.1 318.3

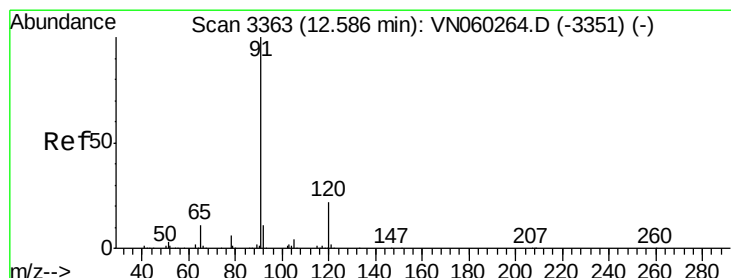
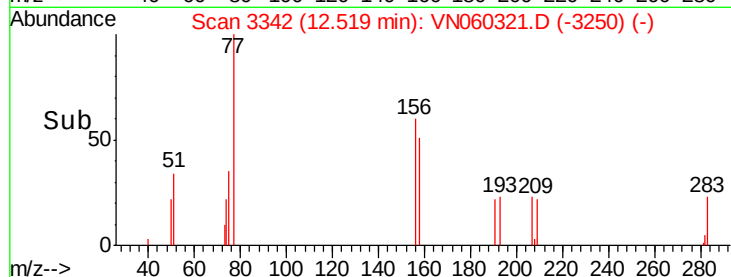
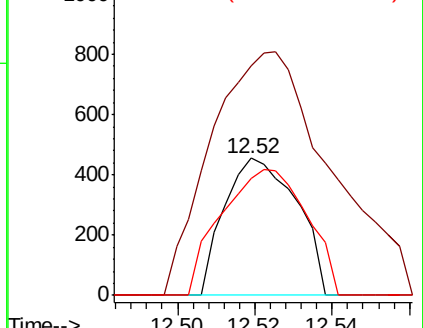
158 108.8 48.3 144.8



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: 0.275 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060321.D

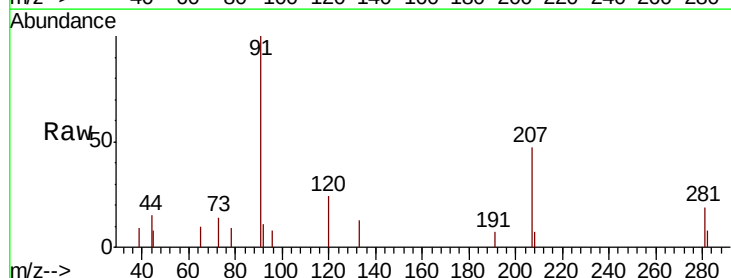
Acq: 3 Mar 2020 12:03

Tgt Ion: 91 Resp: 3191

Ion Ratio Lower Upper

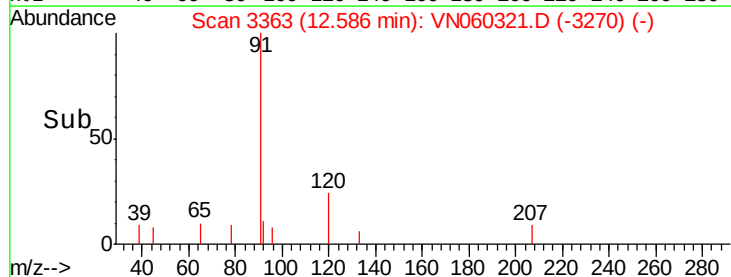
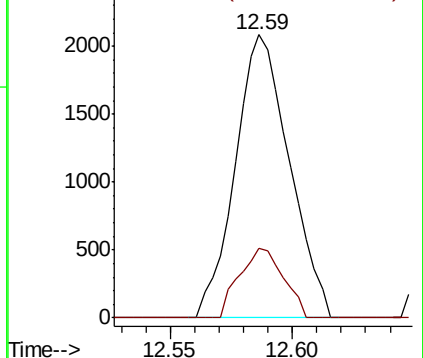
91 100

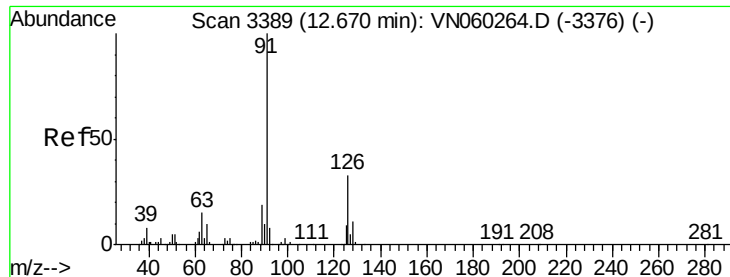
120 20.1 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 0.287 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN060321.D

Acq: 3 Mar 2020 12:03

Instrument :

MSVOA_N

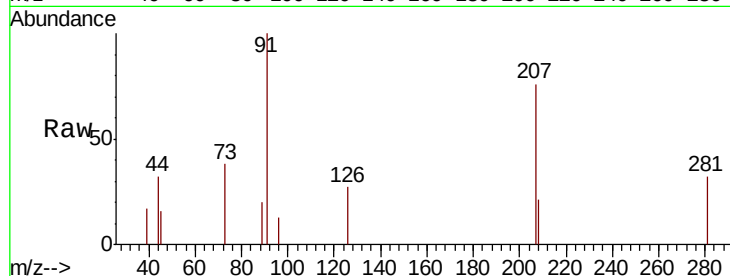
ClientSampled :

Tot Ion: 91 Resp: 1957

Ion Ratio Lower Upper

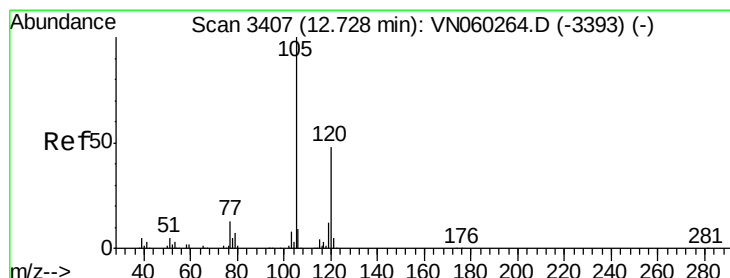
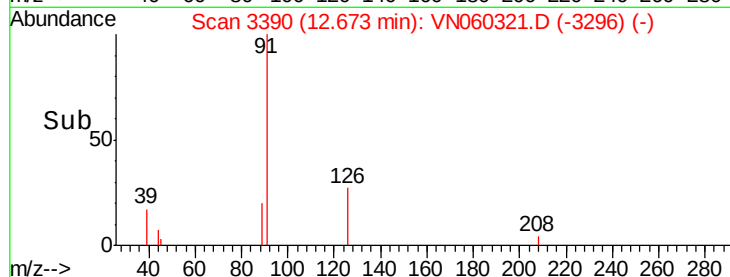
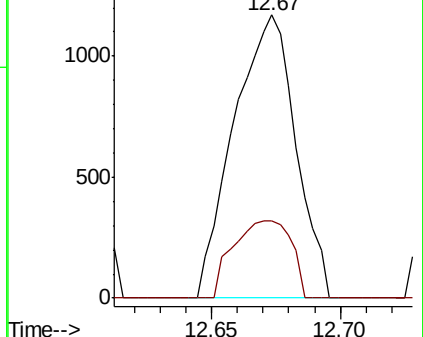
91 100

126 25.6 16.6 49.8



Abundance Ion 91.00 (90.70 to 91.70): VN060264.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN060264.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.243 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060321.D

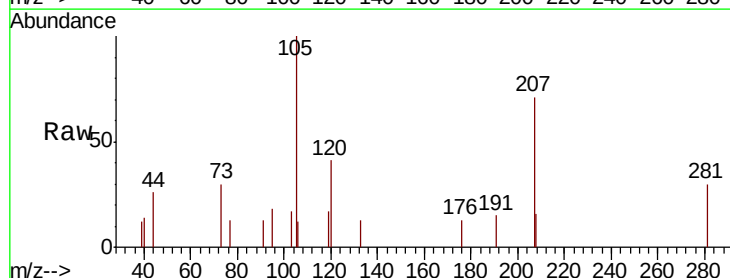
Acq: 3 Mar 2020 12:03

Tgt Ion:105 Resp: 2030

Ion Ratio Lower Upper

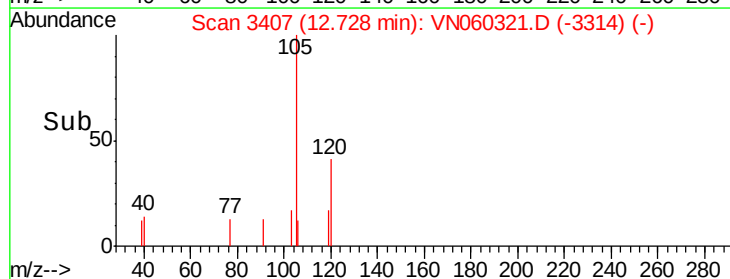
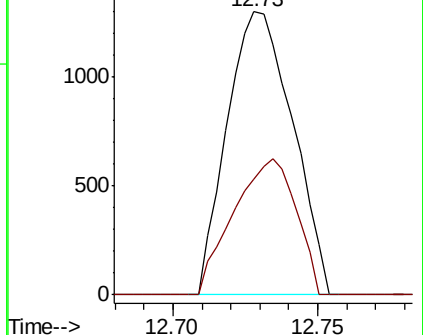
105 100

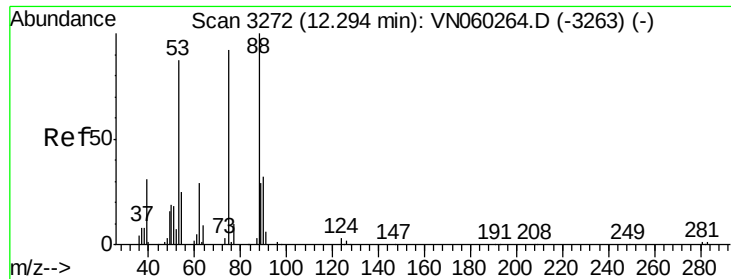
120 46.1 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN060264.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN060264.D (-3393) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 63.543 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060321.D

Acq: 3 Mar 2020 12:03

Instrument :

MSVOA_N

ClientSampleId :

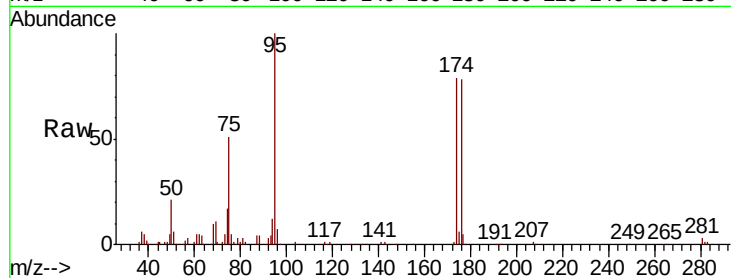
Tot Ion: 75 Resp: 67479

Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

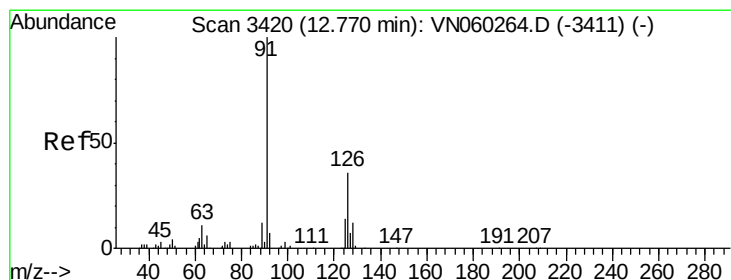
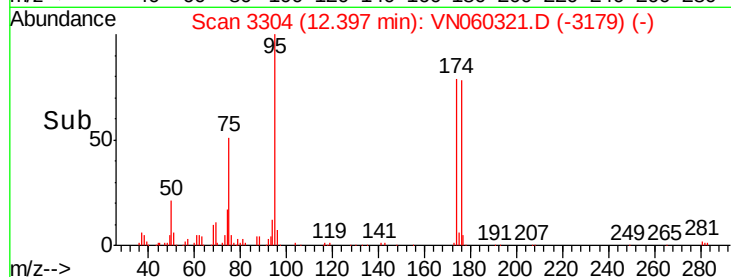
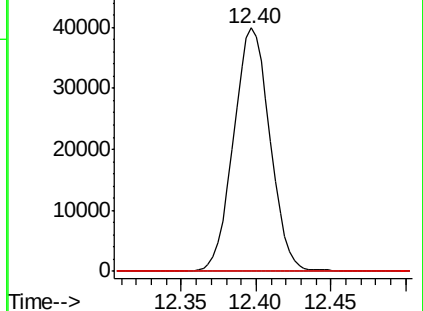
89 0.0 57.1 85.7#



Abundance Ion 74.90 (74.60 to 75.60): VN060321.D (-3179) (-)

Ion 53.00 (52.70 to 53.70): VN060321.D (-3179) (-)

Ion 88.90 (88.60 to 89.60): VN060321.D (-3179) (-)



#82

4-Chlorotoluene

Concen: 0.338 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN060321.D

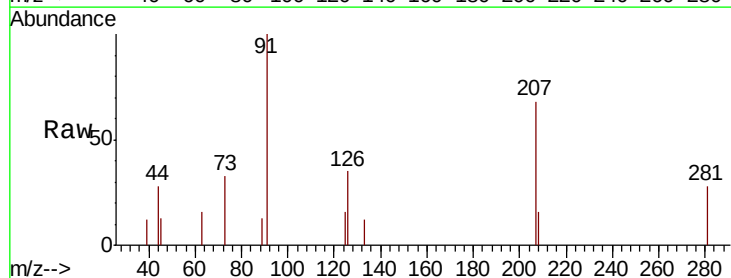
Acq: 3 Mar 2020 12:03

Tgt Ion: 91 Resp: 2430

Ion Ratio Lower Upper

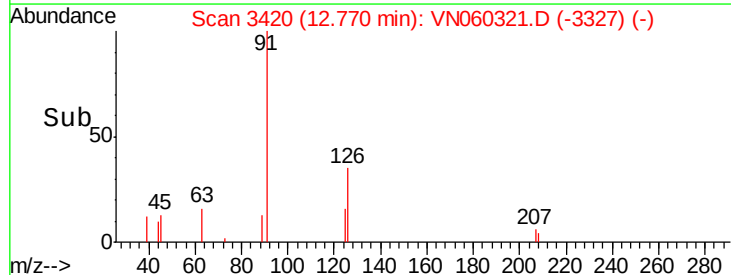
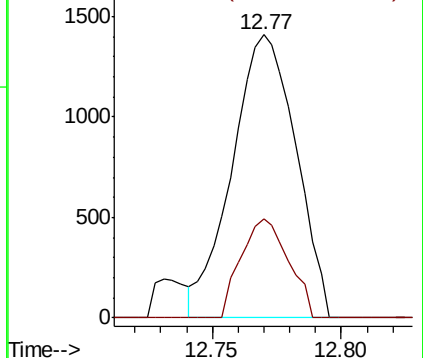
91 100

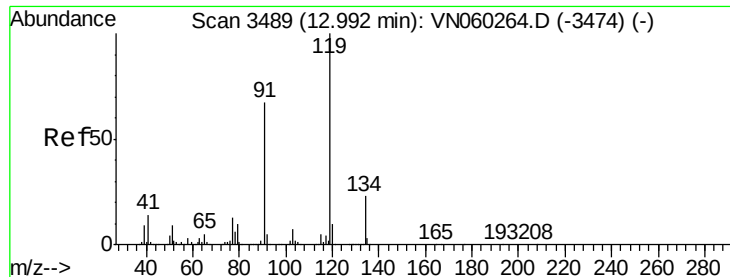
126 26.2 16.7 50.1



Abundance Ion 91.00 (90.70 to 91.70): VN060321.D (-3327) (-)

Ion 125.90 (125.60 to 126.60): VN060321.D (-3327) (-)

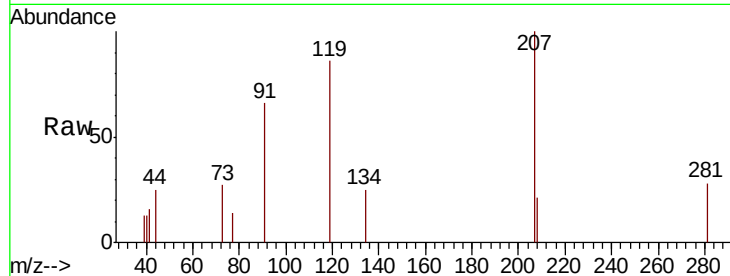




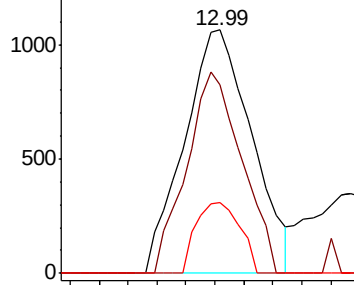
#83
 tert-Butylbenzene
 Concen: 0.238 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN060321.D
 Acq: 3 Mar 2020 12:03

Instrument :
 MSVOA_N
 ClientSampled :

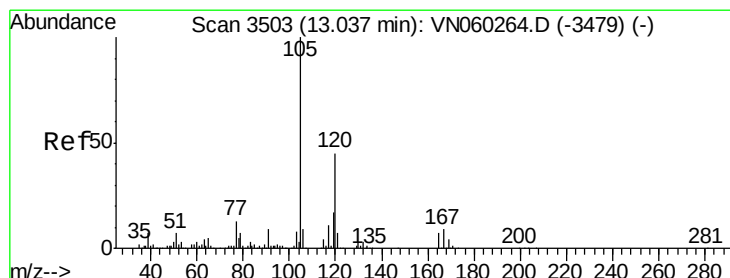
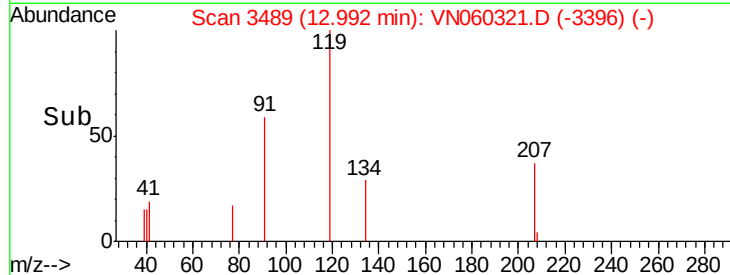
Tot Ion:119 Resp: 1718
 Ion Ratio Lower Upper
 119 100
 91 67.7 33.1 99.2
 134 19.0 12.4 37.0



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

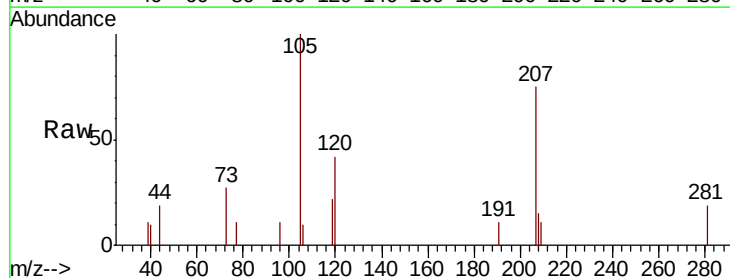


Time-->

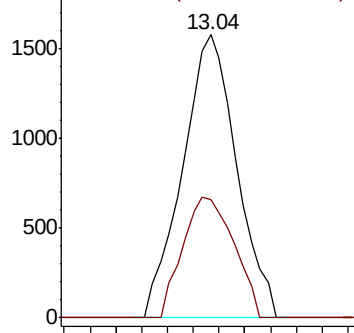


#84
 1,2,4-Trimethylbenzene
 Concen: 0.273 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN060321.D
 Acq: 3 Mar 2020 12:03

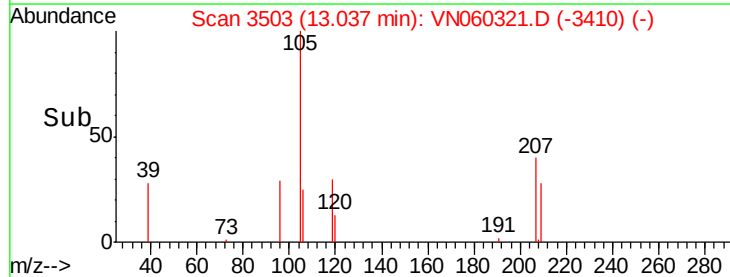
Tgt Ion:105 Resp: 2299
 Ion Ratio Lower Upper
 105 100
 120 40.5 22.3 66.9

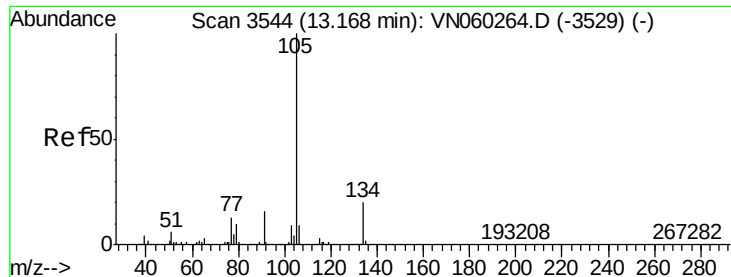


Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V



Time-->

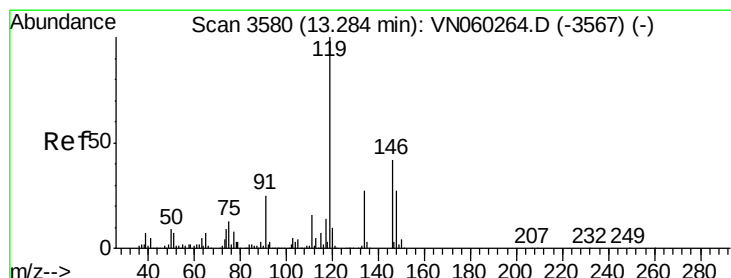
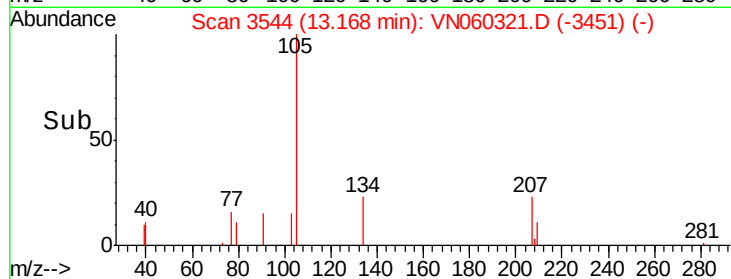
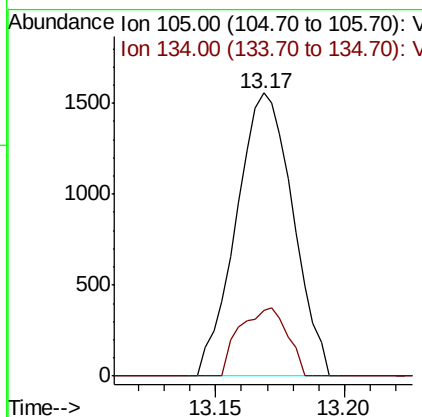
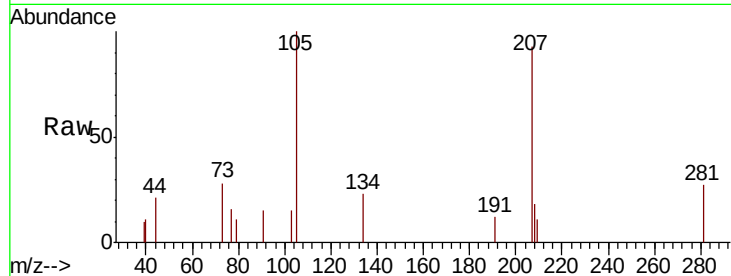




#85
 sec-Butylbenzene
 Concen: 0.248 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN060321.D
 Acq: 3 Mar 2020 12:03

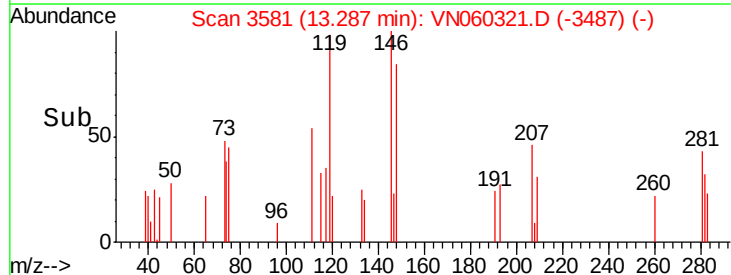
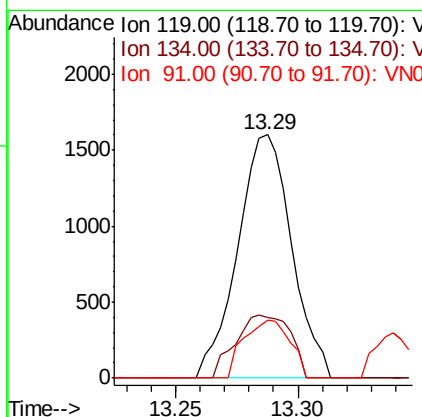
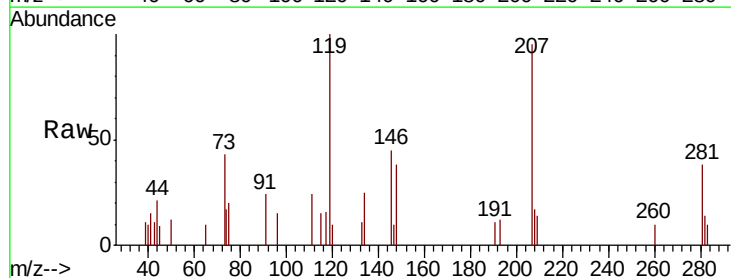
Instrument :
 MSVOA_N
 ClientSampleId :

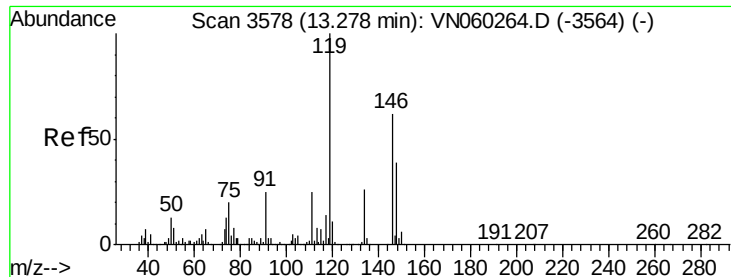
Tot Ion:105 Resp: 2393
 Ion Ratio Lower Upper
 105 100
 134 20.2 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 0.274 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN060321.D
 Acq: 3 Mar 2020 12:03

Tgt Ion:119 Resp: 2456
 Ion Ratio Lower Upper
 119 100
 134 26.3 13.2 39.6
 91 20.3 12.2 36.6

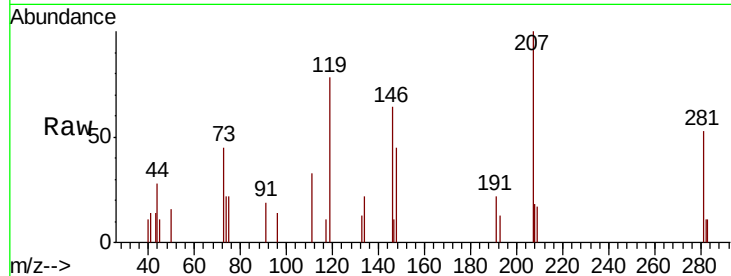




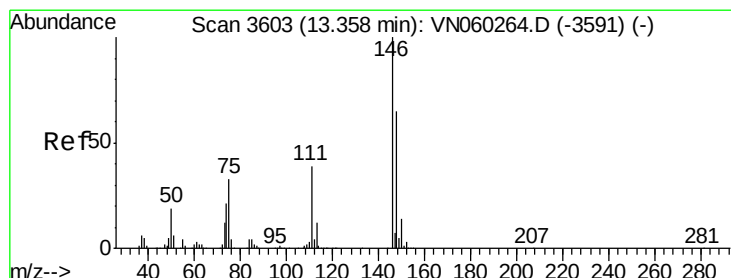
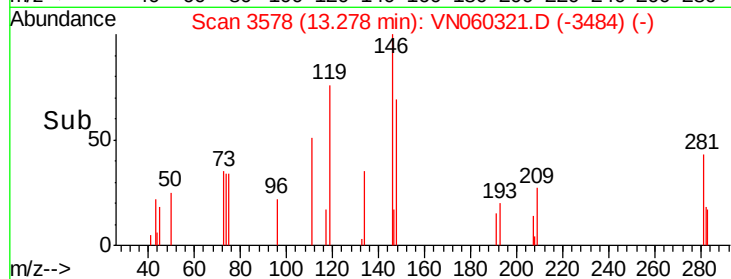
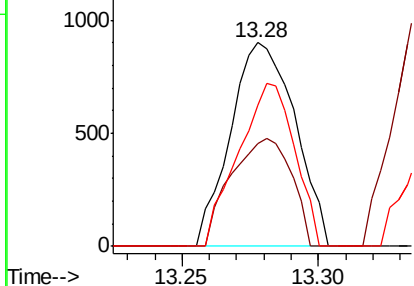
#87
 1,3-Dichlorobenzene
 Concen: 0.325 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN060321.D
 Acq: 3 Mar 2020 12:03

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:146 Resp: 1482
 Ion Ratio Lower Upper
 146 100
 111 49.7 20.0 59.9
 148 69.5 32.1 96.3

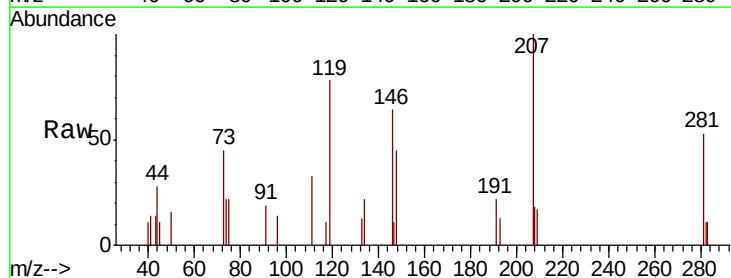


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

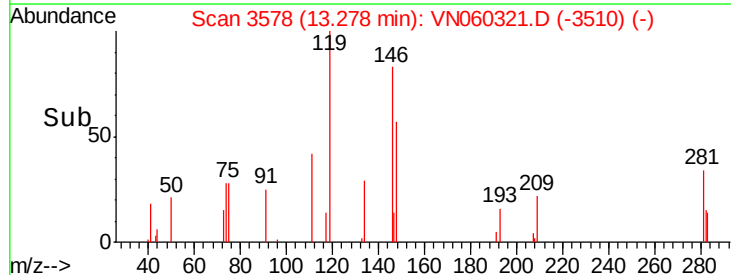
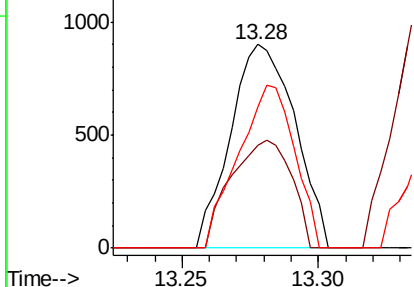


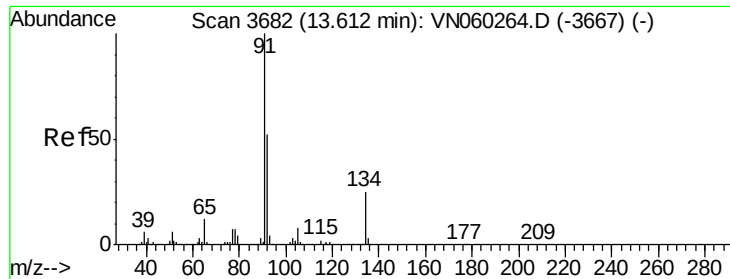
#88
 1,4-Dichlorobenzene
 Concen: 0.327 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. -0.08 min
 Lab File: VN060321.D
 Acq: 3 Mar 2020 12:03

Tgt Ion:146 Resp: 1482
 Ion Ratio Lower Upper
 146 100
 111 49.7 19.8 59.4
 148 69.5 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

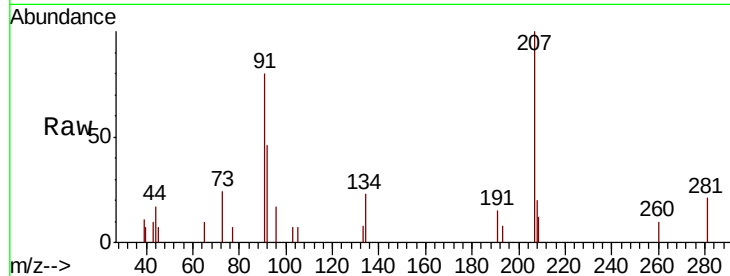




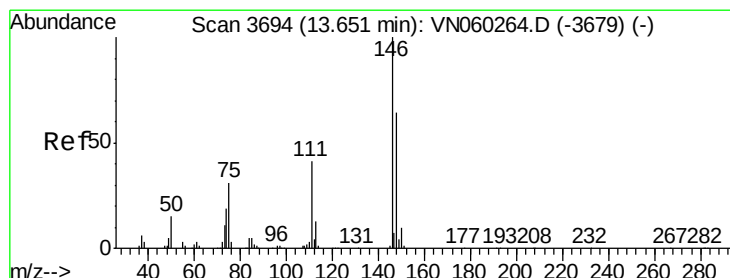
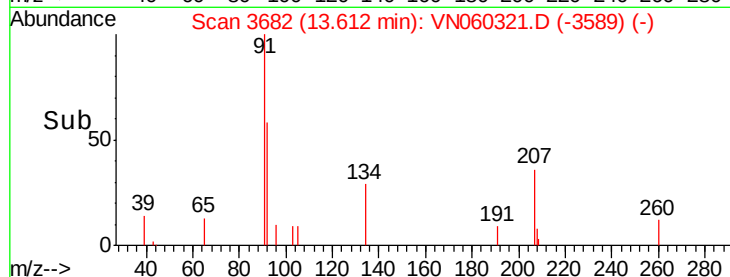
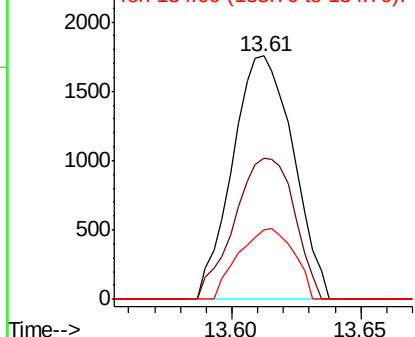
#89
n-Butylbenzene
Concen: 0.351 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060321.D
Acq: 3 Mar 2020 12:03

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 91 Resp: 2884
Ion Ratio Lower Upper
91 100
92 57.1 26.0 78.0
134 26.5 12.7 38.1

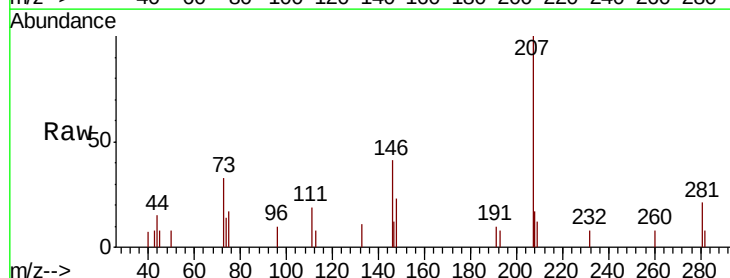


Abundance Ion 91.00 (90.70 to 91.70): VN060321.D (-3667) (-)
Ion 92.00 (91.70 to 92.70): VN060321.D (-3667) (-)
Ion 134.00 (133.70 to 134.70): VN060321.D (-3667) (-)

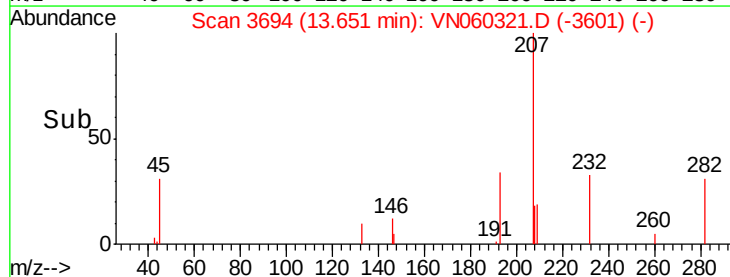
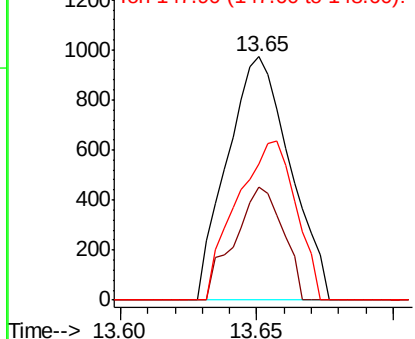


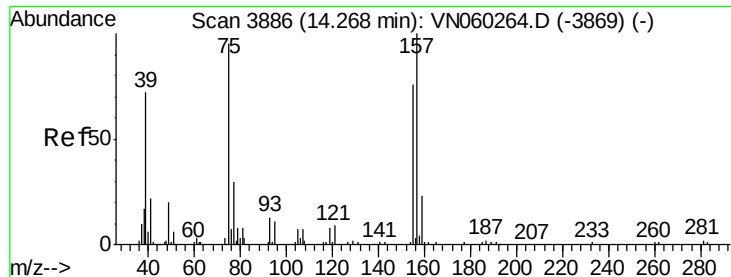
#91
1,2-Dichlorobenzene
Concen: 0.366 ug/l
RT: 13.65 min Scan# 3694
Delta R.T. 0.00 min
Lab File: VN060321.D
Acq: 3 Mar 2020 12:03

Tgt Ion: 146 Resp: 1556
Ion Ratio Lower Upper
146 100
111 35.7 20.3 61.0
148 61.9 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): VN060321.D (-3679) (-)
Ion 110.90 (110.60 to 111.60): VN060321.D (-3679) (-)
Ion 147.90 (147.60 to 148.60): VN060321.D (-3679) (-)

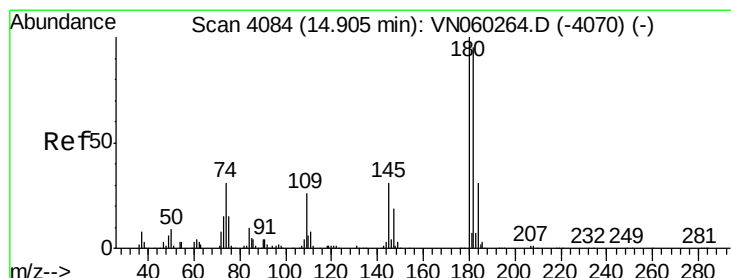
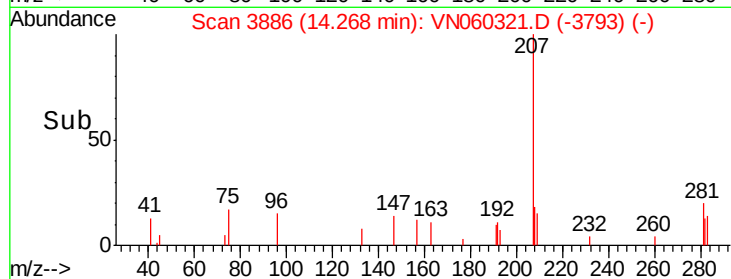
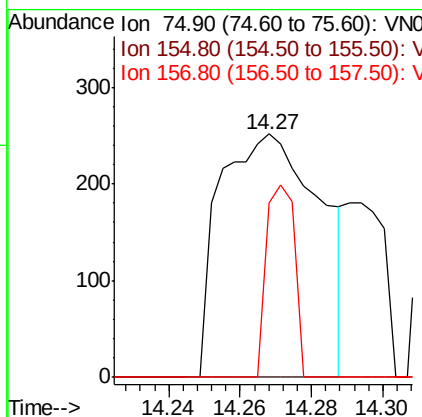
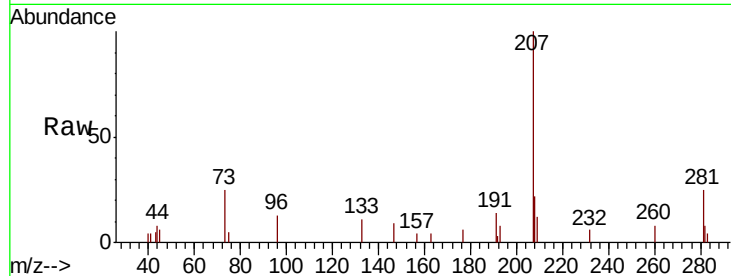




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.802 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN060321.D
 Acq: 3 Mar 2020 12:03

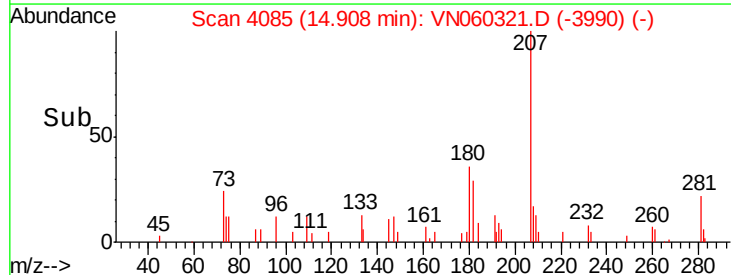
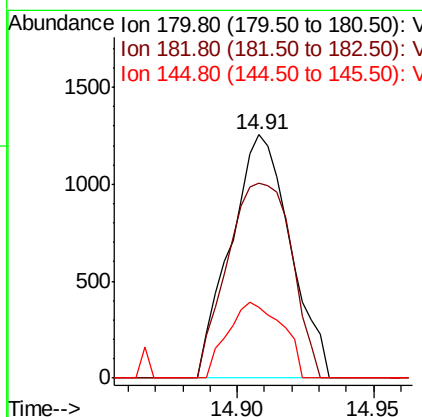
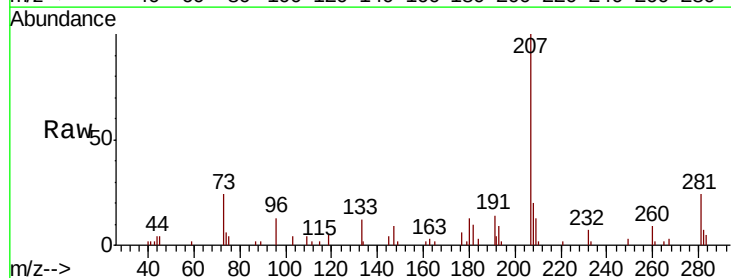
Instrument :
 MSVOA_N
 ClientSampleId :

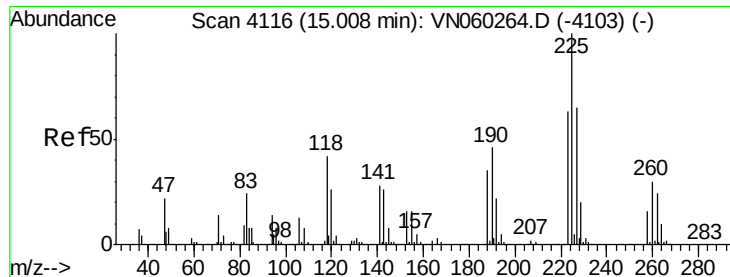
Tot Ion: 75 Resp: 489
 Ion Ratio Lower Upper
 75 100
 155 0.0 40.4 121.2#
 157 22.1 52.5 157.5#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.628 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060321.D
 Acq: 3 Mar 2020 12:03

Tgt Ion: 180 Resp: 1898
 Ion Ratio Lower Upper
 180 100
 182 87.0 47.8 143.3
 145 28.8 15.4 46.1





#94

Hexachlorobutadiene

Concen: 0.413 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN060321.D

Acq: 3 Mar 2020 12:03

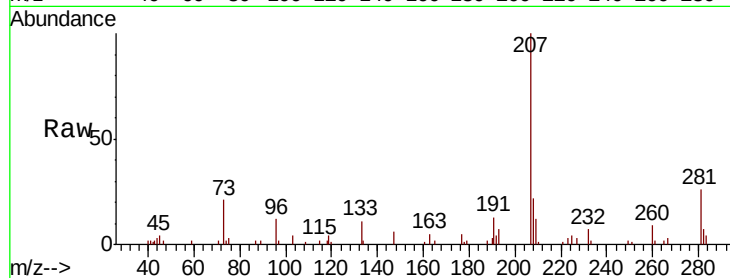
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:225 Resp: 591

Ion	Ratio	Lower	Upper
225	100		
223	71.1	31.3	93.9
227	54.7	32.3	96.9

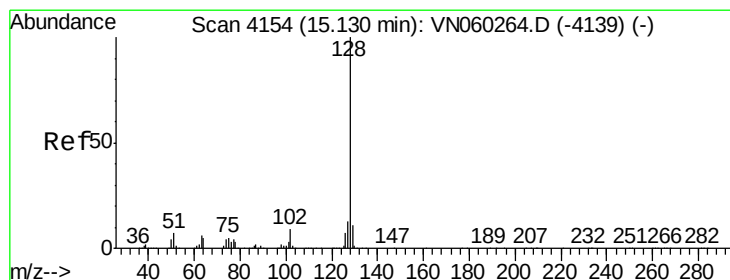
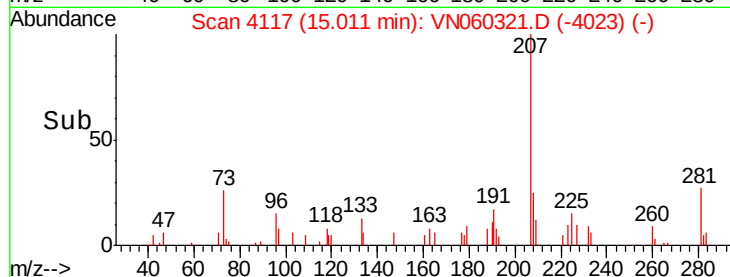
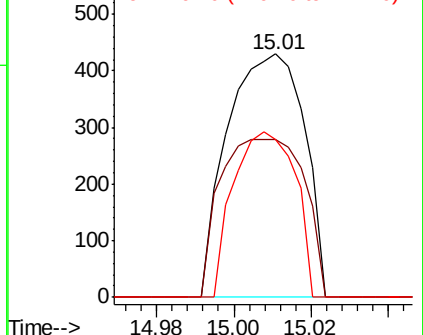


Abundance

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: 0.672 ug/l

RT: 15.13 min Scan# 4154

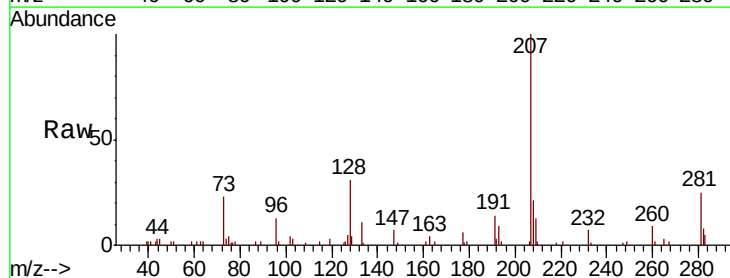
Delta R.T. 0.00 min

Lab File: VN060321.D

Acq: 3 Mar 2020 12:03

Tgt Ion:128 Resp: 5850

Ion	Ratio	Lower	Upper
128	100		
127	14.3	10.4	15.6
129	10.2	8.6	13.0

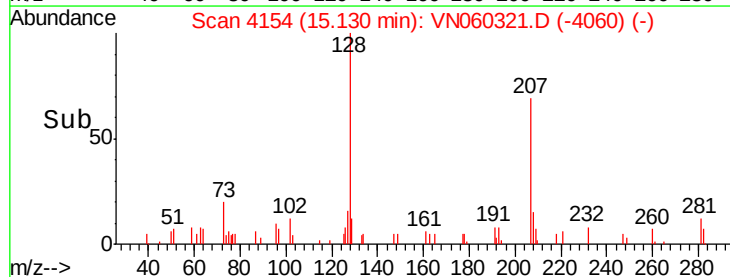
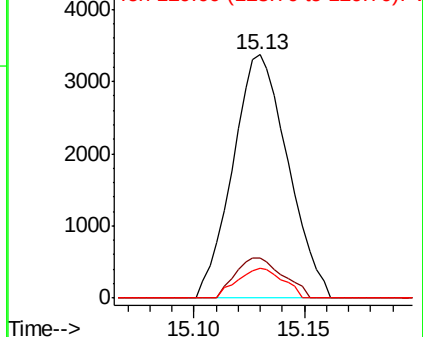


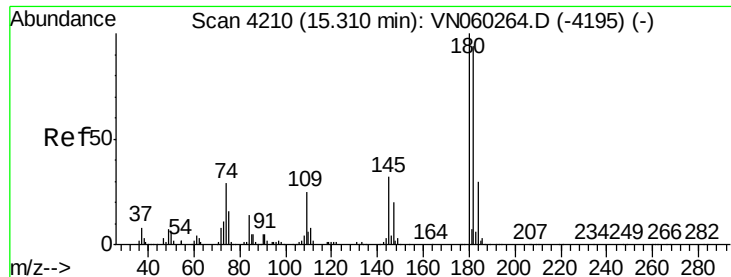
Abundance

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

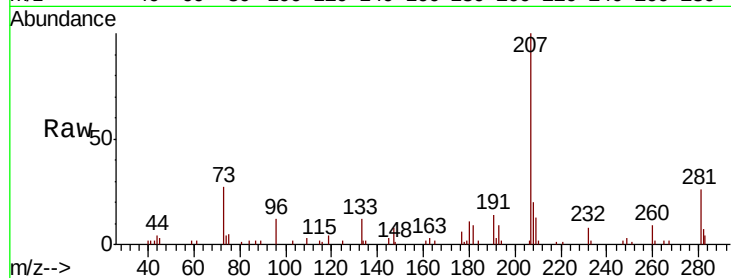




#96
 1,2,3-Trichlorobenzene
 Concen: 0.757 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN060321.D
 Acq: 3 Mar 2020 12:03

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	82.2	47.3	142.0
145	29.0	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

