

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031720\
 Data File : VN060549.D
 Acq On : 17 Mar 2020 12:24
 Operator : JC/MD
 Sample : L1946-04 50X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 COMP

Quant Time: Mar 18 06:42:32 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

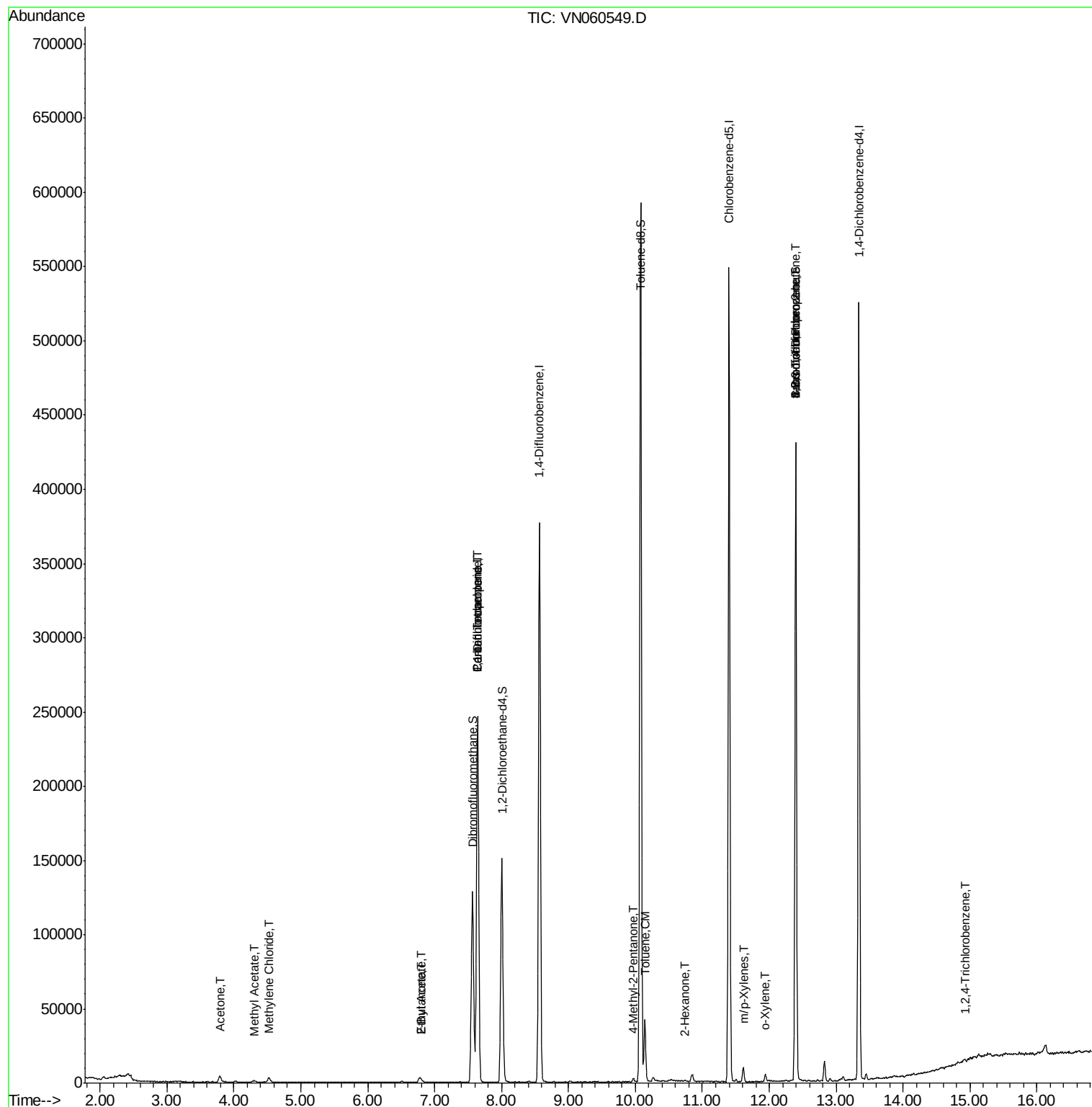
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	201868	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	338368	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	309283	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	140490	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	130333	50.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.64%	
35) Dibromofluoromethane	7.57	113	98983	63.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	126.04%	
50) Toluene-d8	10.08	98	411992	51.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.66%	
62) 4-Bromofluorobenzene	12.40	95	152473	50.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.20%	
Target Compounds						
					Qvalue	
16) Acetone	3.79	43	8065	9.643	ug/l	97
17) Carbon Disulfide	4.03	76	261	Below Cal	#	75
18) Methyl Acetate	4.30	43	2258	0.809	ug/l #	61
20) Methylene Chloride	4.52	84	2438	1.061	ug/l	91
25) 2-Butanone	6.81	43	1831	1.355	ug/l #	49
31) Cyclohexane	7.64	56	4055	Below Cal	#	1
36) 1,1-Dichloropropene	7.64	75	16021	4.968	ug/l #	49
37) Ethyl Acetate	6.81	43	1831	0.600	ug/l #	68
38) Carbon Tetrachloride	7.64	117	19269	6.137	ug/l #	16
51) 4-Methyl-2-Pentanone	9.98	43	1684	0.556	ug/l #	74
52) Toluene	10.14	92	17905	3.037	ug/l	100
59) 2-Hexanone	10.74	43	504	0.226	ug/l #	25
68) m/p-Xylenes	11.62	106	2812	0.655	ug/l	82
69) o-Xylene	11.94	106	1399	0.342	ug/l	100
71) Bromoform	12.39	173	367	0.221	ug/l #	29
76) 1,2,3-Trichloropropane	12.40	75	76128	24.698	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	76128	68.178	ug/l #	8
87) 1,3-Dichlorobenzene	13.28	146	198	Below Cal	#	51
88) 1,4-Dichlorobenzene	13.35	146	483	Below Cal	#	1
93) 1,2,4-Trichlorobenzene	14.91	180	467	0.252	ug/l #	59
95) Naphthalene	15.13	128	1755	Below Cal	#	81
96) 1,2,3-Trichlorobenzene	15.31	180	461	Below Cal	#	88

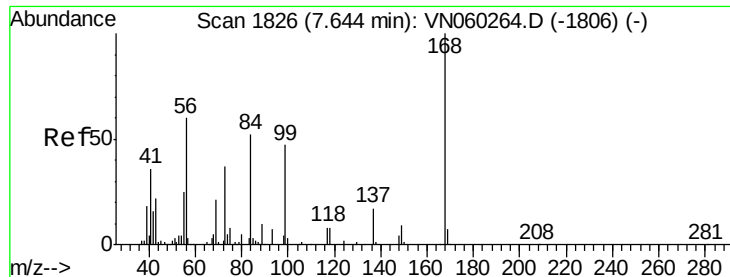
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Feb 27 13:52:50 2020
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060549.D

Acq: 17 Mar 2020 12:24

Instrument :

MSVOA_N

ClientSampleId :

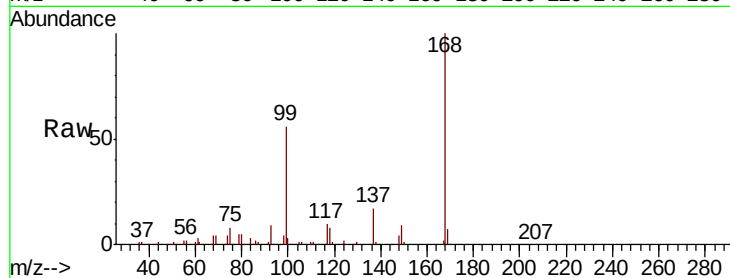
COMP

Tot Ion:168 Resp: 201868

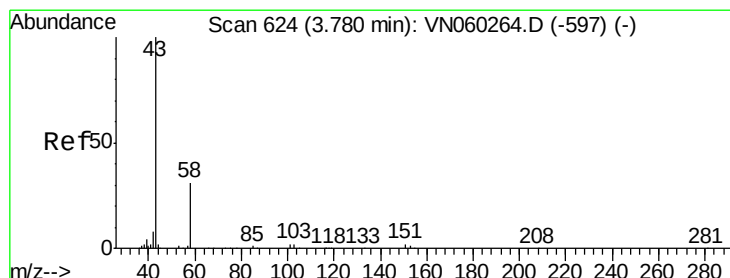
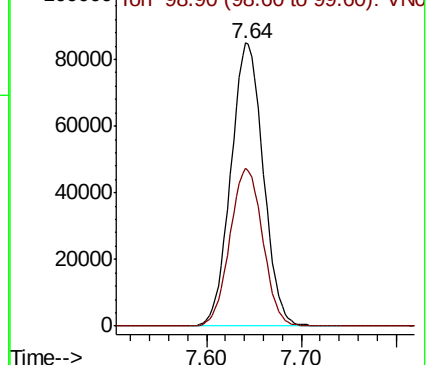
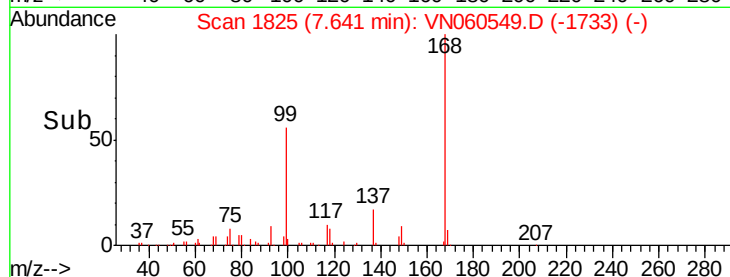
Ion Ratio Lower Upper

168 100

99 55.6 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): VN060549.D (-1733) (-)



#16

Acetone

Concen: 9.643 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN060549.D

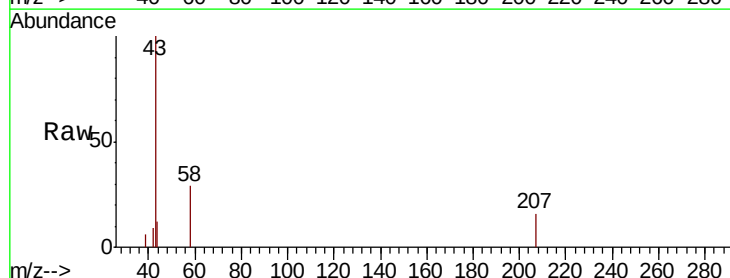
Acq: 17 Mar 2020 12:24

Tgt Ion: 43 Resp: 8065

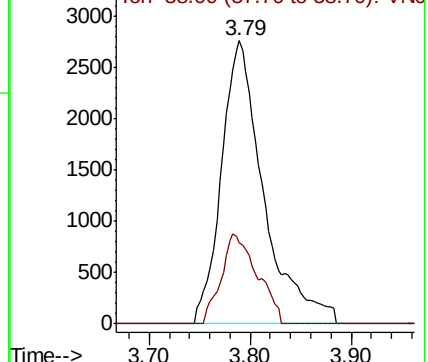
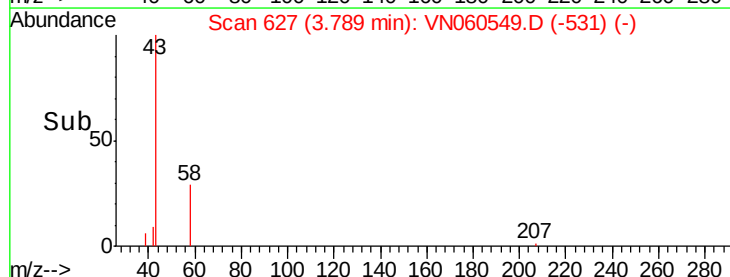
Ion Ratio Lower Upper

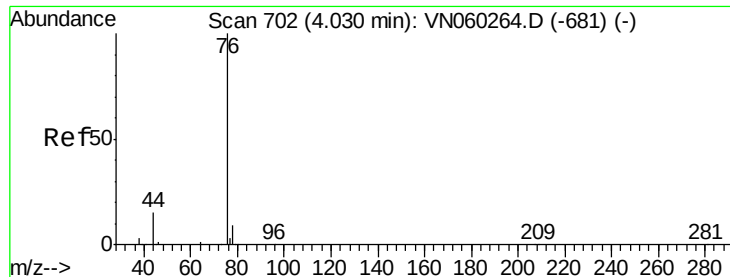
43 100

58 28.9 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN060549.D (-531) (-)





#17

Carbon Disulfide

Concen: Below Cal

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN060549.D

Acq: 17 Mar 2020 12:24

Instrument :

MSVOA_N

ClientSampled :

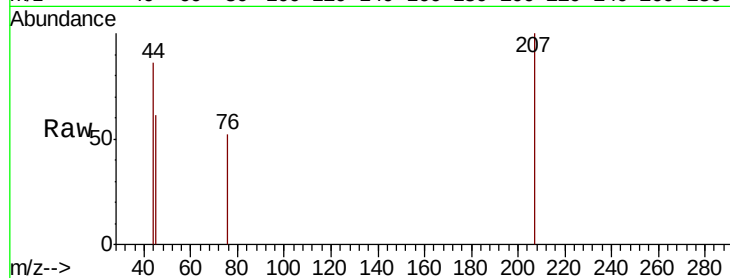
COMP

Tot Ion: 76 Resp: 261

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

4.03

250

200

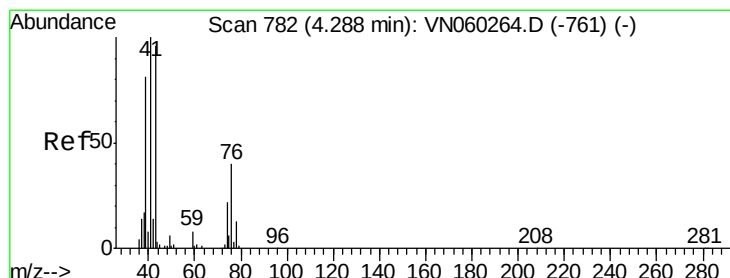
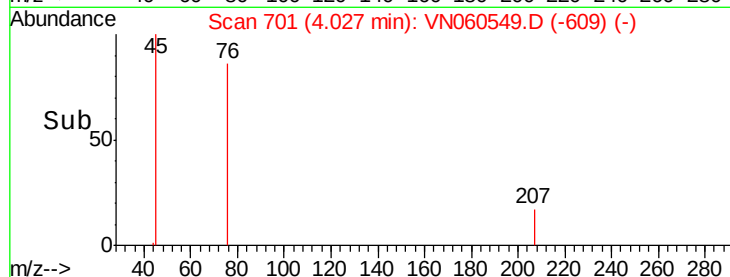
150

100

50

0

Time-->



#18

Methyl Acetate

Concen: 0.809 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.02 min

Lab File: VN060549.D

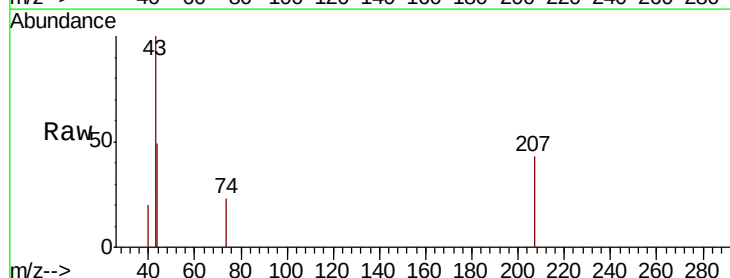
Acq: 17 Mar 2020 12:24

Tgt Ion: 43 Resp: 2258

Ion Ratio Lower Upper

43 100

74 4.6 18.8 28.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.30

800

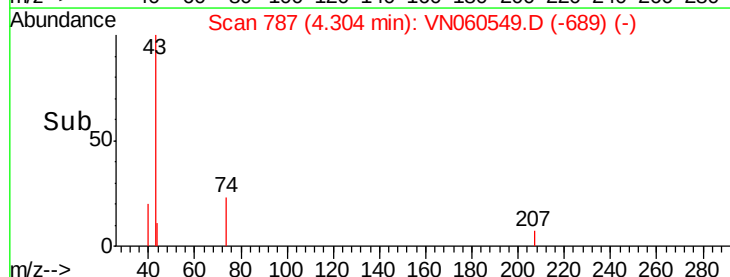
600

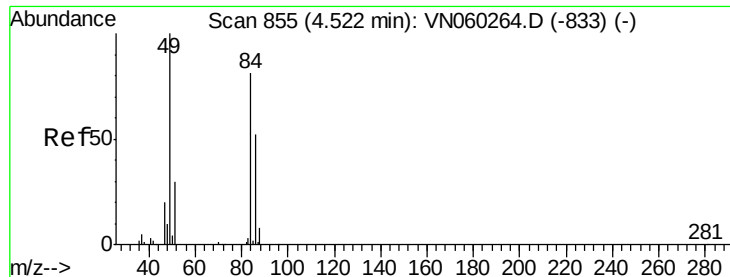
400

200

0

Time-->

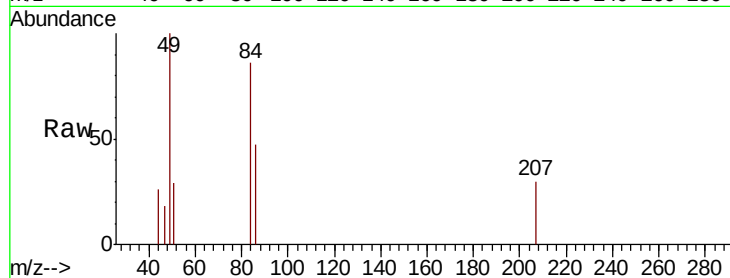




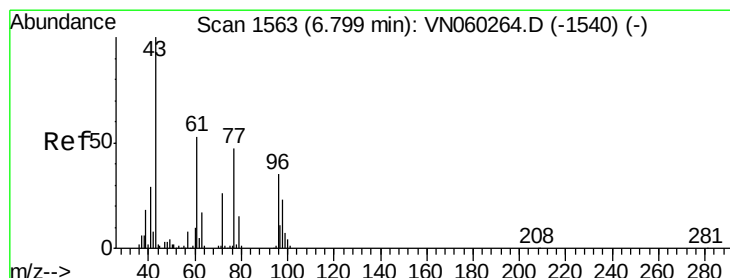
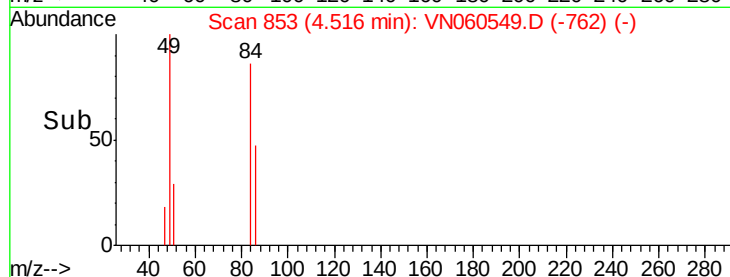
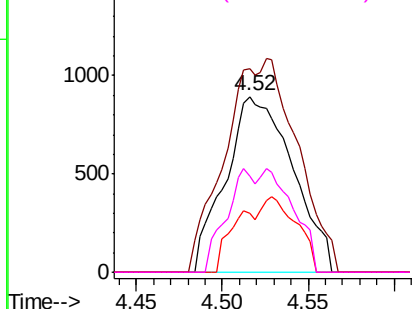
#20
Methylene Chloride
Concen: 1.061 ug/l
RT: 4.52 min Scan# 853
Delta R.T. -0.01 min
Lab File: VN060549.D
Acq: 17 Mar 2020 12:24

Instrument :
MSVOA_N
ClientSampled :
COMP

Tot Ion: 84 Resp: 2438
Ion Ratio Lower Upper
84 100
49 116.0 99.3 148.9
51 33.3 30.1 45.1
86 54.4 51.1 76.7

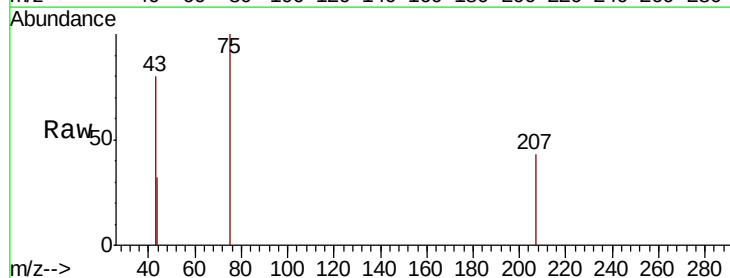


Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

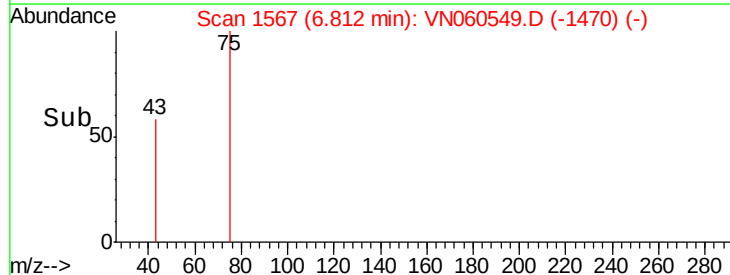
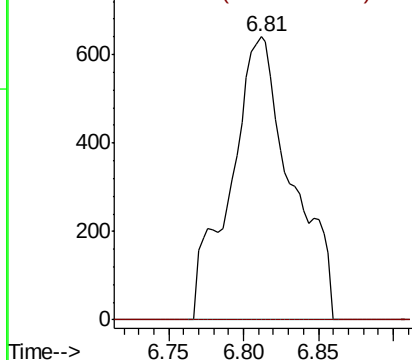


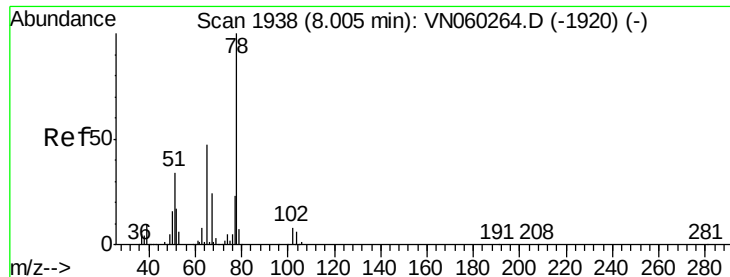
#25
2-Butanone
Concen: 1.355 ug/l
RT: 6.81 min Scan# 1567
Delta R.T. 0.01 min
Lab File: VN060549.D
Acq: 17 Mar 2020 12:24

Tgt Ion: 43 Resp: 1831
Ion Ratio Lower Upper
43 100
72 0.0 20.9 31.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 72.00 (71.70 to 72.70): VN0

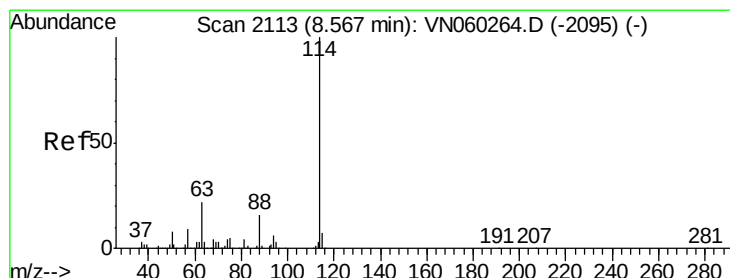
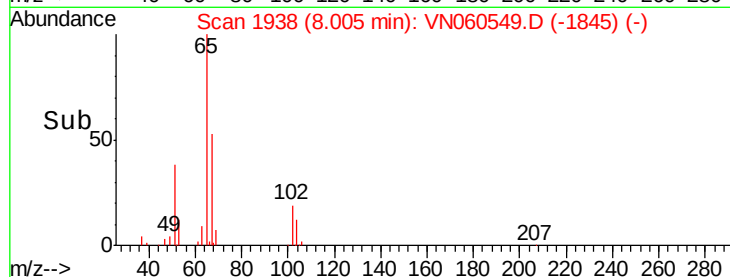
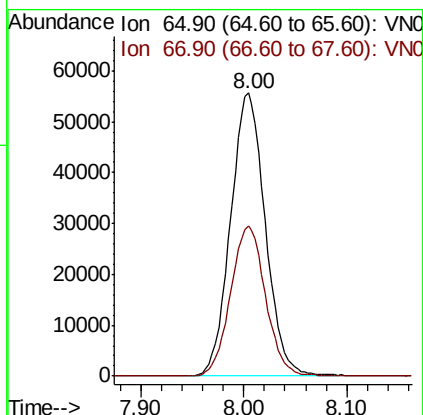
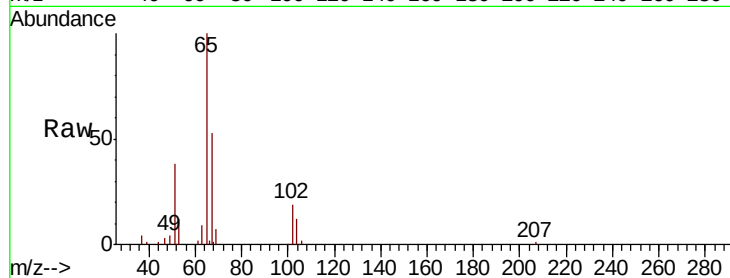




#33
 1,2-Dichloroethane-d4
 Concen: 50.322 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN060549.D
 Acq: 17 Mar 2020 12:24

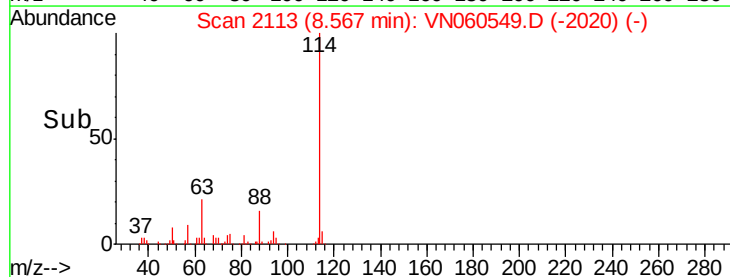
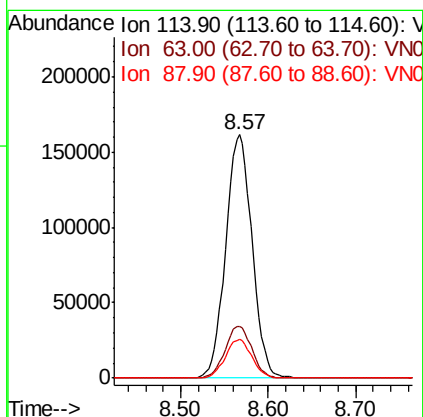
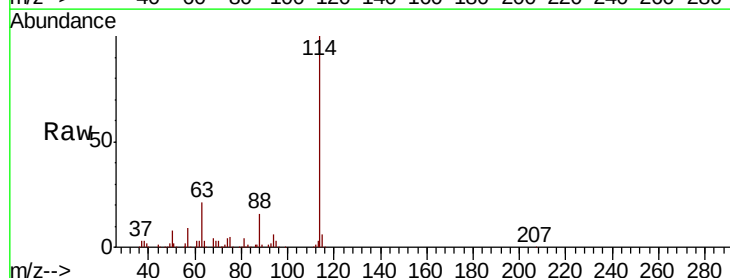
Instrument :
 MSVOA_N
 ClientSampleId :
 COMP

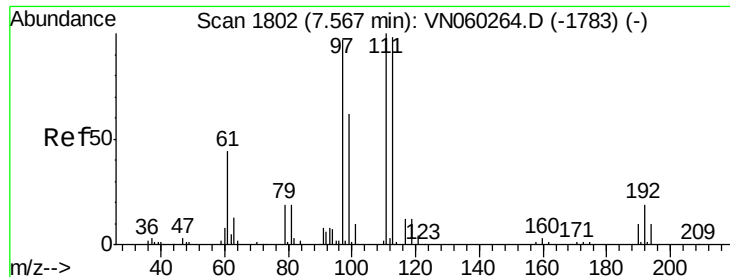
Tot Ion: 65 Resp: 130333
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060549.D
 Acq: 17 Mar 2020 12:24

Tgt Ion: 114 Resp: 338368
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 43.2
 88 16.0 0.0 31.6

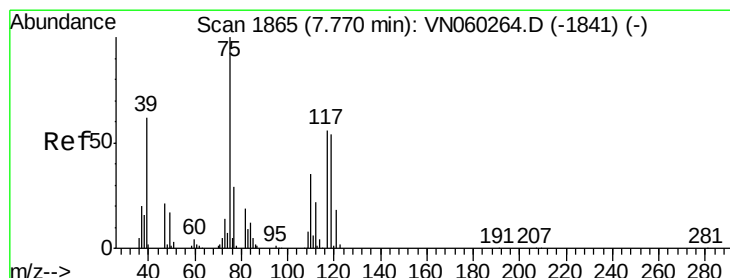
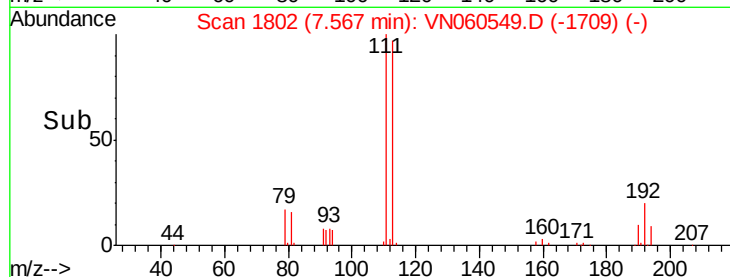
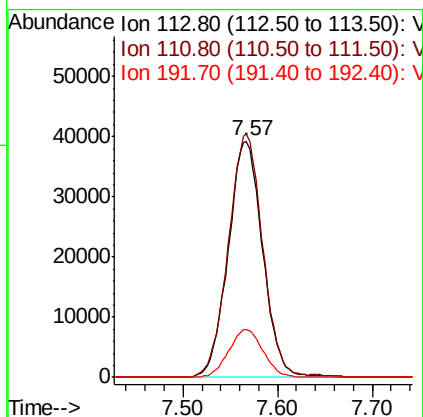
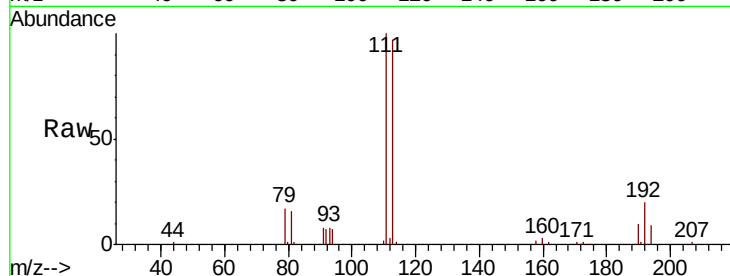




#35
Dibromofluoromethane
Concen: 63.023 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN060549.D
Acq: 17 Mar 2020 12:24

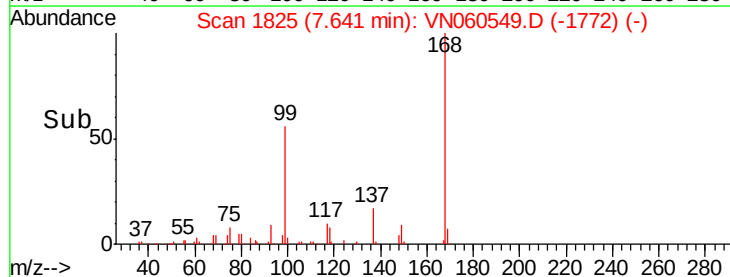
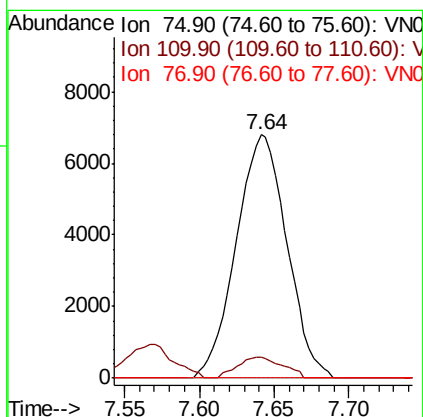
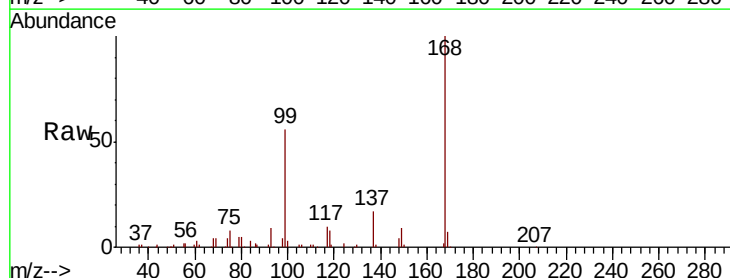
Instrument :
MSVOA_N
ClientSampled :
COMP

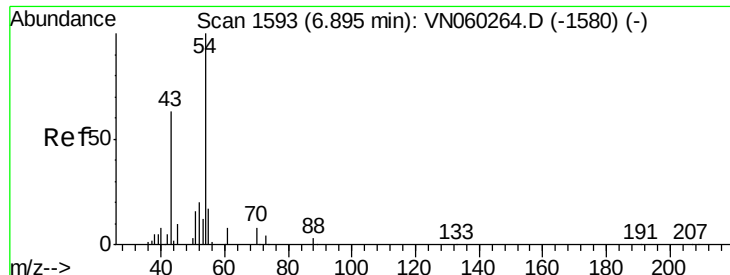
Tot Ion:113 Resp: 98983
Ion Ratio Lower Upper
113 100
111 102.7 82.4 123.6
192 20.2 16.2 24.2



#36
1,1-Dichloropropene
Concen: 4.968 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.13 min
Lab File: VN060549.D
Acq: 17 Mar 2020 12:24

Tgt Ion: 75 Resp: 16021
Ion Ratio Lower Upper
75 100
110 7.6 17.3 52.0#
77 0.0 24.2 36.2#

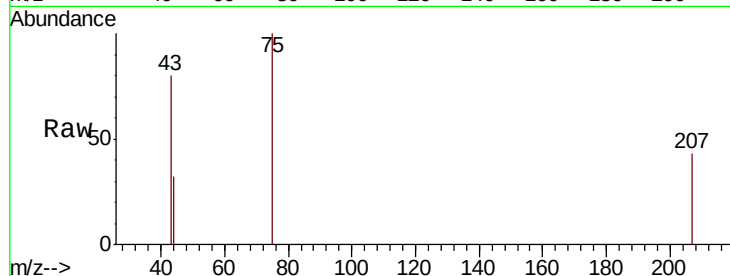




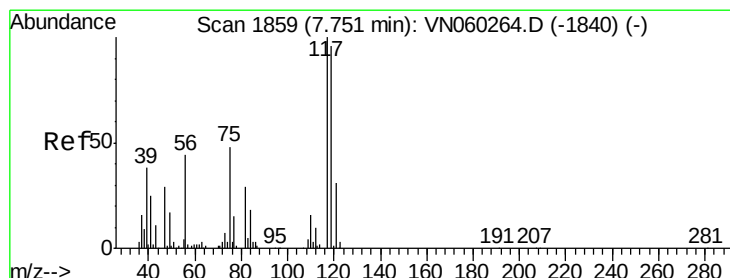
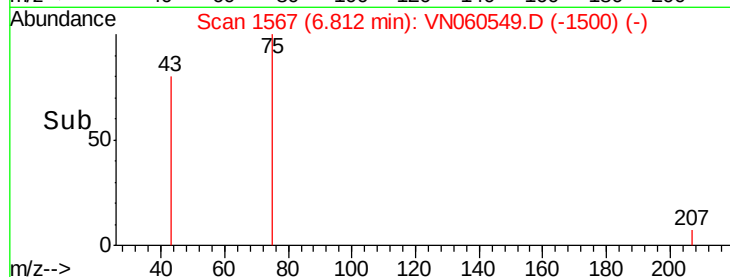
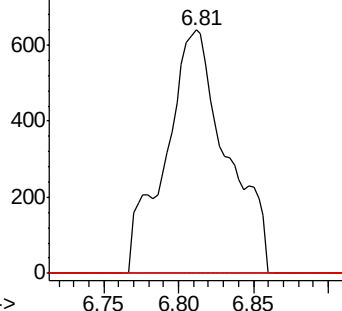
#37
Ethyl Acetate
Concen: 0.600 ug/l
RT: 6.81 min Scan# 1567
Delta R.T. -0.08 min
Lab File: VN060549.D
Acq: 17 Mar 2020 12:24

Instrument :
MSVOA_N
ClientSampleId :
COMP

Tot Ion: 43 Resp: 1831
Ion Ratio Lower Upper
43 100
61 0.0 11.1 16.7#
70 0.0 8.4 12.6#

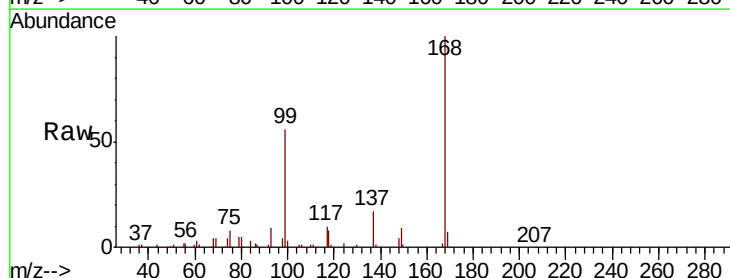


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

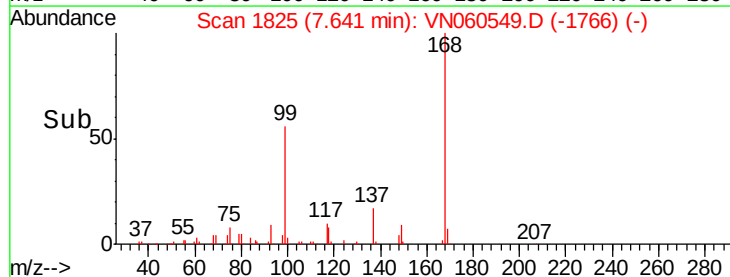
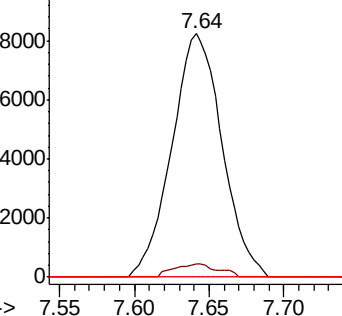


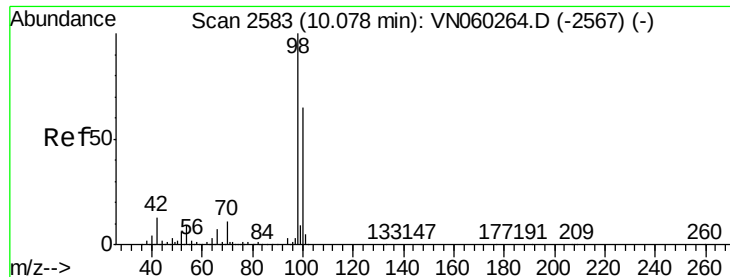
#38
Carbon Tetrachloride
Concen: 6.137 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.11 min
Lab File: VN060549.D
Acq: 17 Mar 2020 12:24

Tgt Ion: 117 Resp: 19269
Ion Ratio Lower Upper
117 100
119 5.5 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





#50

Toluene-d8

Concen: 51.830 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN060549.D

Acq: 17 Mar 2020 12:24

Instrument :

MSVOA_N

ClientSampled :

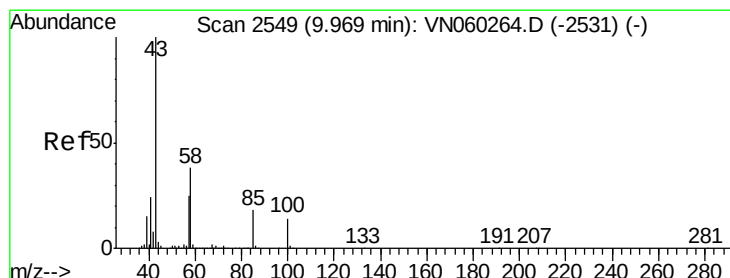
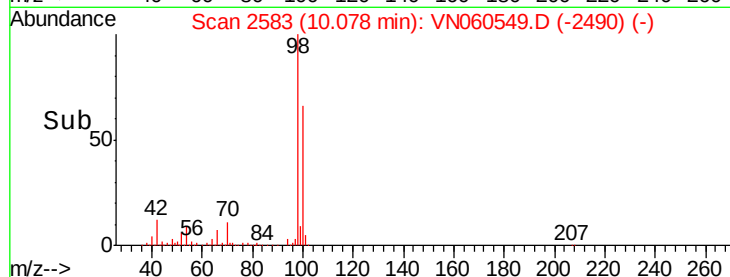
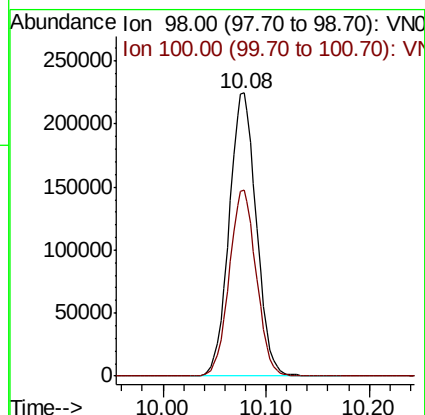
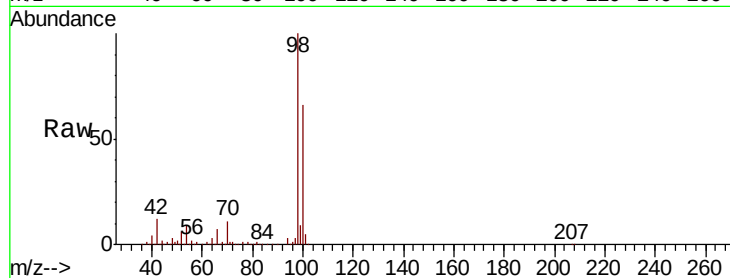
COMP

Tot Ion: 98 Resp: 411992

Ion Ratio Lower Upper

98 100

100 65.4 52.2 78.2



#51

4-Methyl-2-Pentanone

Concen: 0.556 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.01 min

Lab File: VN060549.D

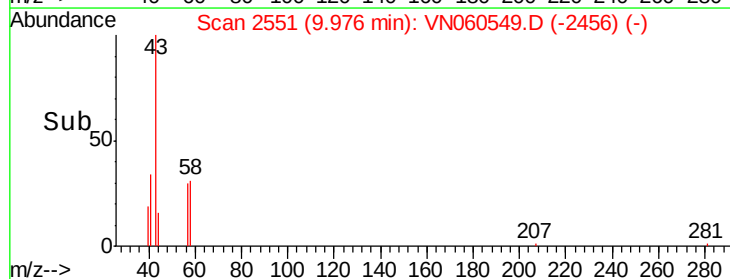
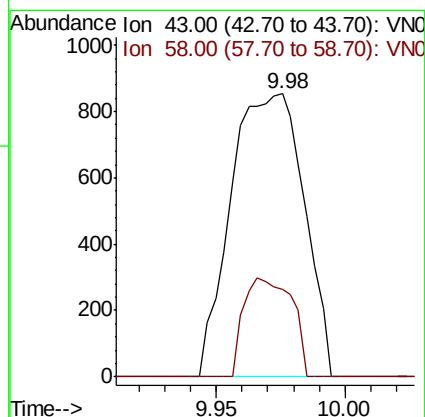
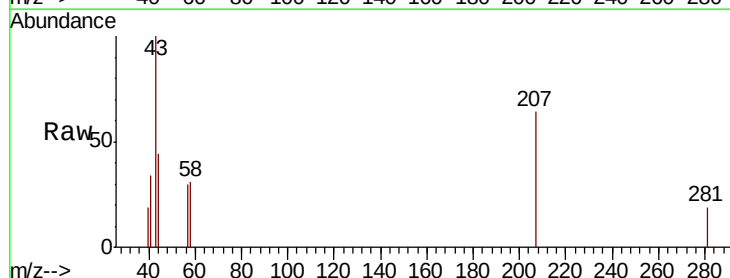
Acq: 17 Mar 2020 12:24

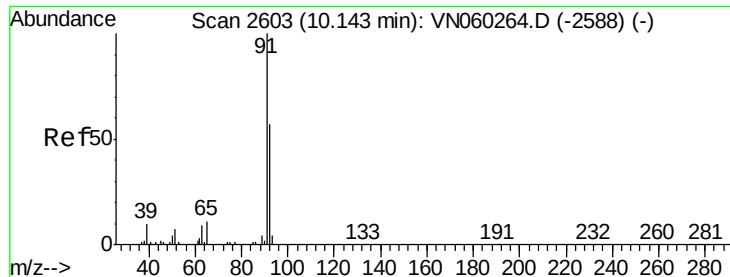
Tgt Ion: 43 Resp: 1684

Ion Ratio Lower Upper

43 100

58 23.1 30.9 46.3#





#52

Toluene

Concen: 3.037 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN060549.D

Acq: 17 Mar 2020 12:24

Instrument :

MSVOA_N

ClientSampleId :

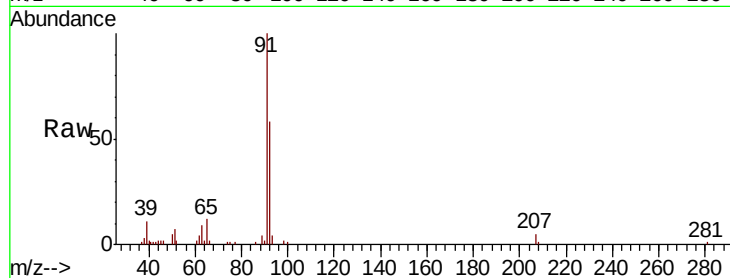
COMP

Tot Ion: 92 Resp: 17905

Ion Ratio Lower Upper

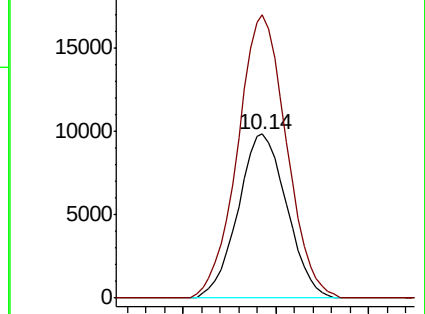
92 100

91 172.8 138.1 207.1

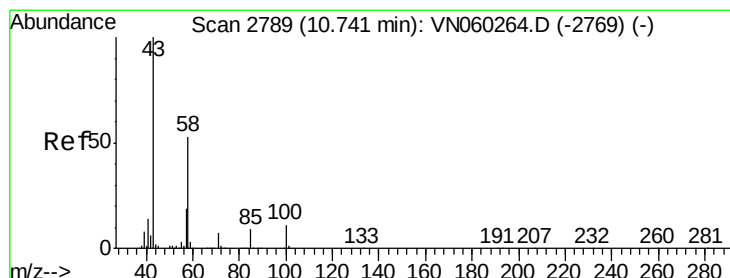
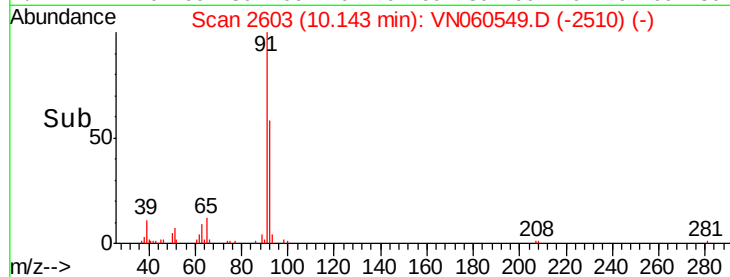


Abundance Ion 92.00 (91.70 to 92.70): VN060549.D (-2510) (-)

Ion 91.00 (90.70 to 91.70): VN060549.D (-2510) (-)



Time-->



#59

2-Hexanone

Concen: 0.226 ug/l

RT: 10.74 min Scan# 2789

Delta R.T. -0.00 min

Lab File: VN060549.D

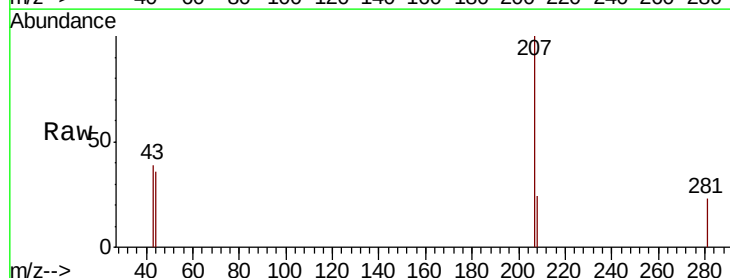
Acq: 17 Mar 2020 12:24

Tgt Ion: 43 Resp: 504

Ion Ratio Lower Upper

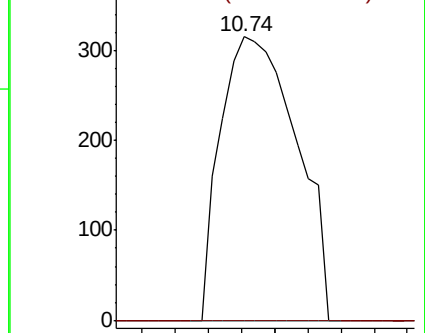
43 100

58 0.0 26.5 79.5#

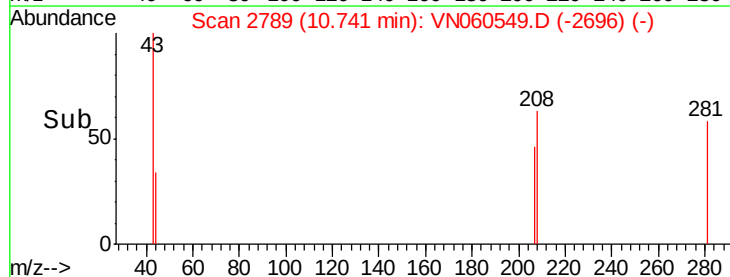


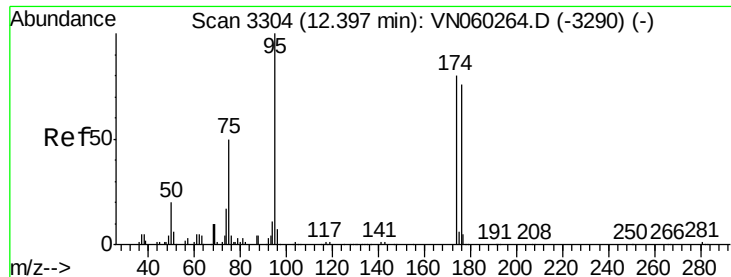
Abundance Ion 43.00 (42.70 to 43.70): VN060549.D (-2696) (-)

Ion 58.00 (57.70 to 58.70): VN060549.D (-2696) (-)



Time-->

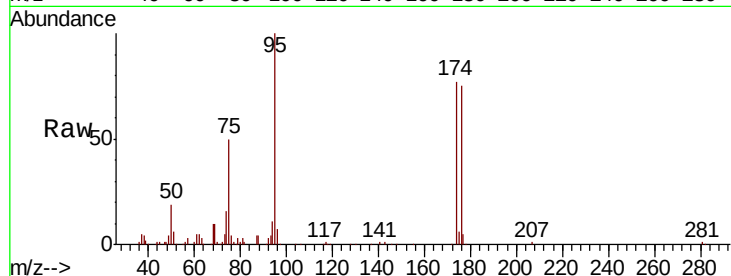




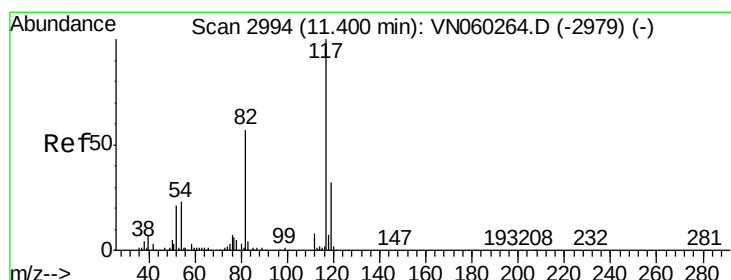
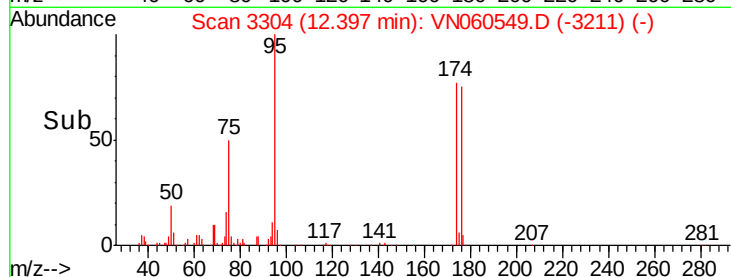
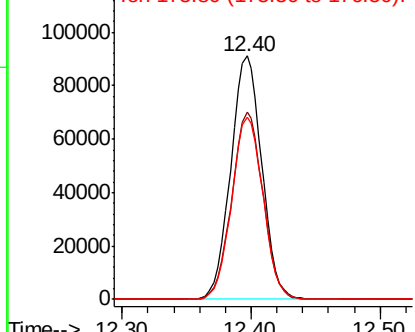
#62
4-Bromofluorobenzene
Concen: 50.601 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN060549.D
Acq: 17 Mar 2020 12:24

Instrument :
MSVOA_N
ClientSampleId :
COMP

Tot Ion: 95 Resp: 152473
Ion Ratio Lower Upper
95 100
174 77.1 0.0 159.2
176 75.2 0.0 153.8

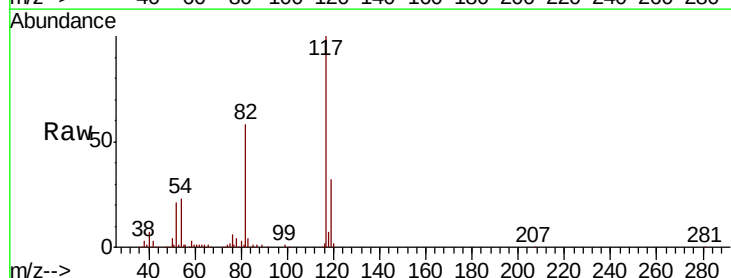


Abundance Ion 94.90 (94.60 to 95.60): VN0
Ion 173.80 (173.50 to 174.50): VN
Ion 175.80 (175.50 to 176.50): VN

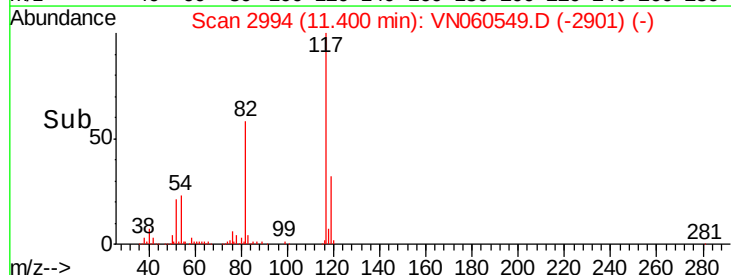
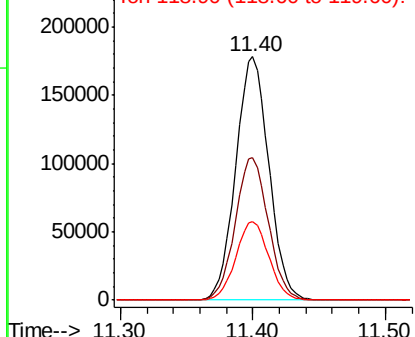


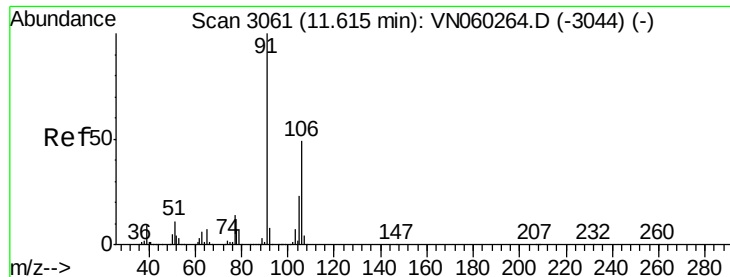
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060549.D
Acq: 17 Mar 2020 12:24

Tgt Ion: 117 Resp: 309283
Ion Ratio Lower Upper
117 100
82 58.3 45.8 68.6
119 32.5 25.8 38.8



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

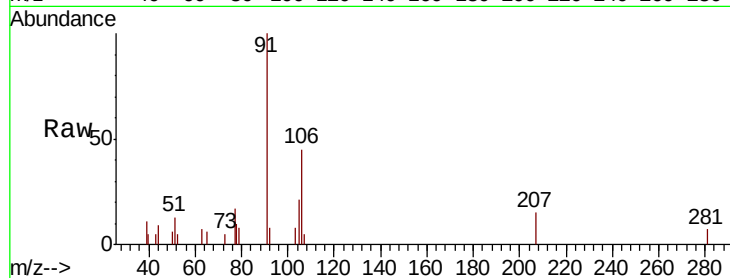




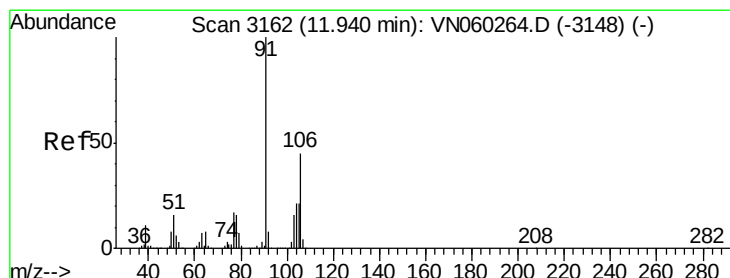
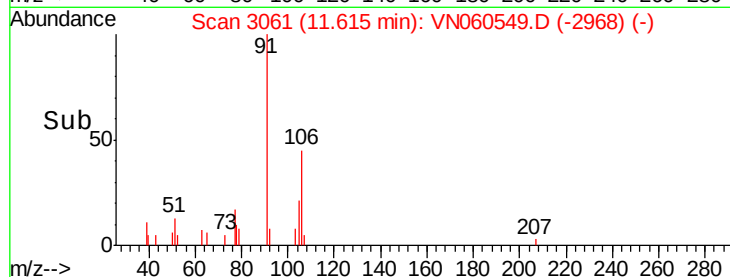
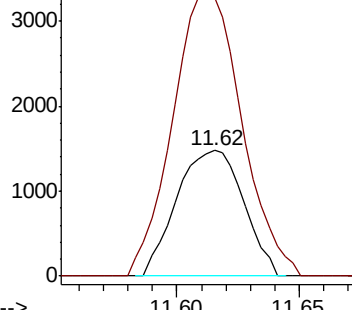
#68
m/p-Xylenes
Concen: 0.655 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN060549.D
Acq: 17 Mar 2020 12:24

Instrument :
MSVOA_N
ClientSampled :
COMP

Tot Ion:106 Resp: 2812
Ion Ratio Lower Upper
106 100
91 232.8 164.5 246.7

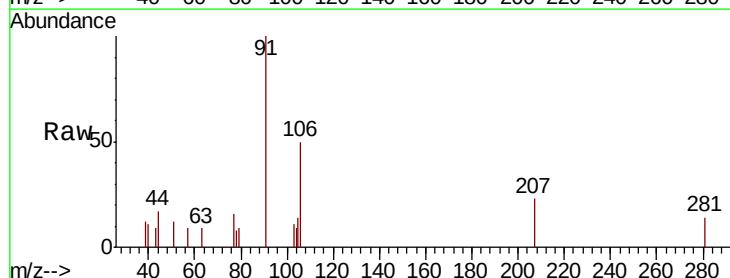


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

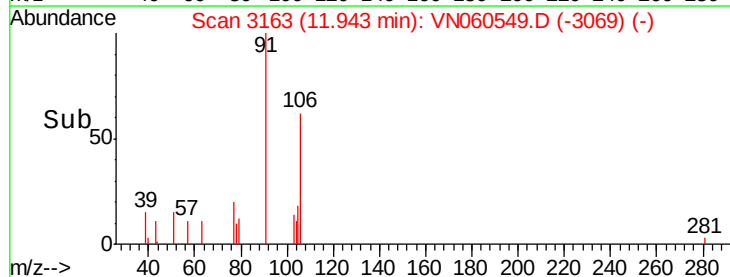
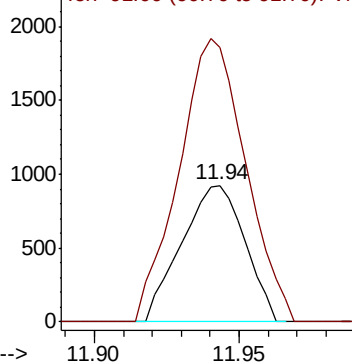


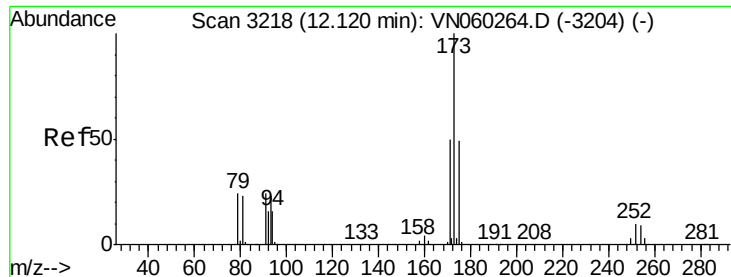
#69
o-Xylene
Concen: 0.342 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN060549.D
Acq: 17 Mar 2020 12:24

Tgt Ion:106 Resp: 1399
Ion Ratio Lower Upper
106 100
91 218.9 109.5 328.4



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





#71

Bromoform

Concen: 0.221 ug/l

RT: 12.39 min Scan# 3302

Delta R.T. 0.27 min

Lab File: VN060549.D

Acq: 17 Mar 2020 12:24

Instrument :

MSVOA_N

ClientSampleId :

COMP

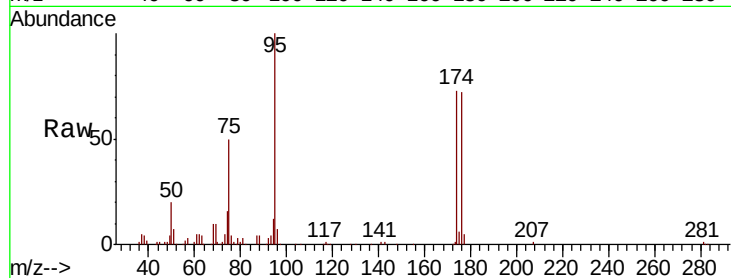
Tot Ion:173 Resp: 367

Ion Ratio Lower Upper

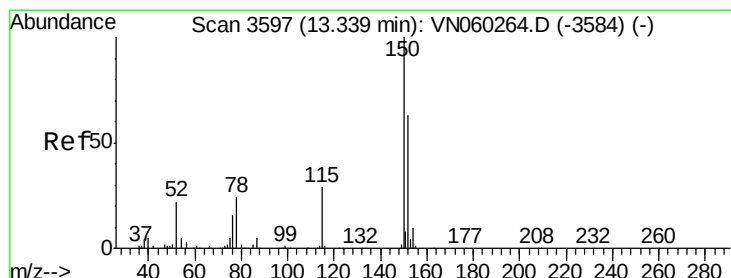
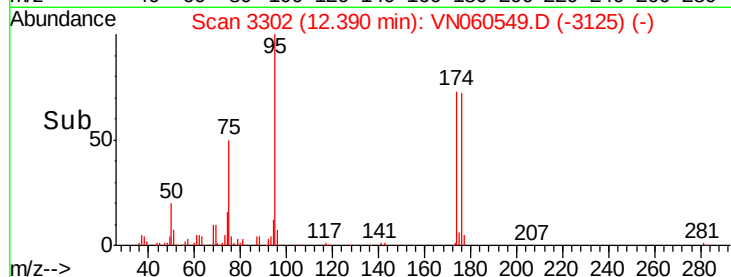
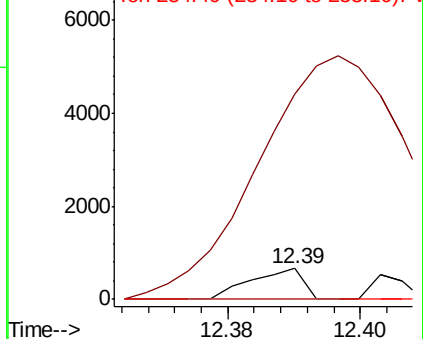
173 100

175 0.0 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: VN060549.D

Acq: 17 Mar 2020 12:24

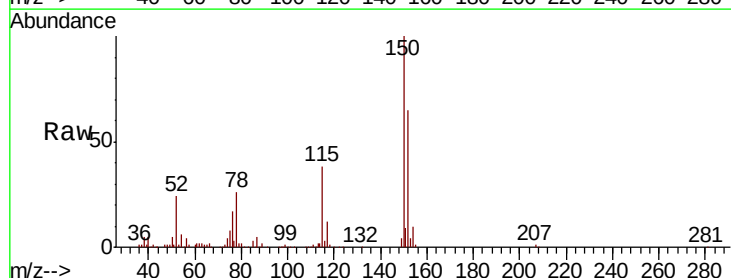
Tgt Ion:152 Resp: 140490

Ion Ratio Lower Upper

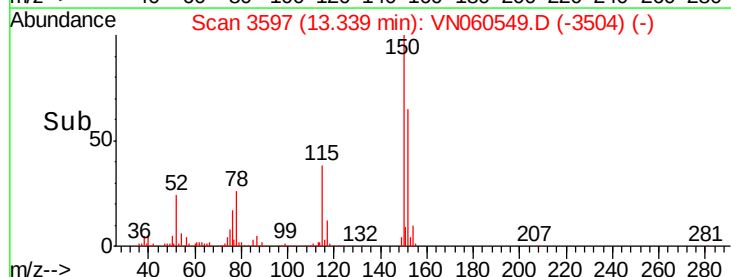
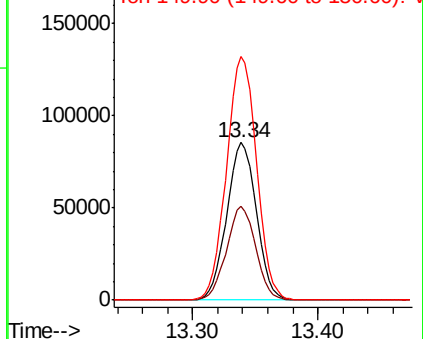
152 100

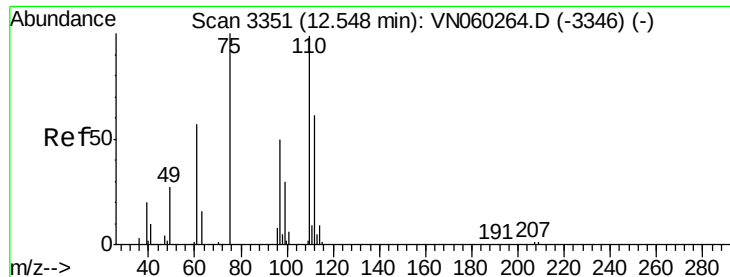
115 58.3 30.0 90.0

150 156.4 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





#76

1,2,3-Trichloropropane

Concen: 24.698 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060549.D

Acq: 17 Mar 2020 12:24

Instrument :

MSVOA_N

ClientSampled :

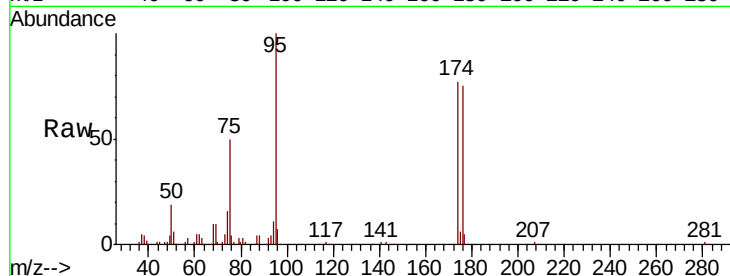
COMP

Tot Ion: 75 Resp: 76128

Ion Ratio Lower Upper

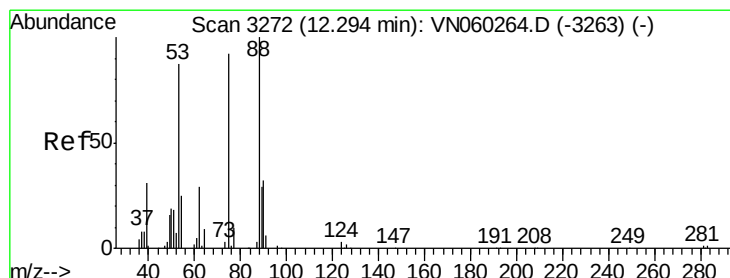
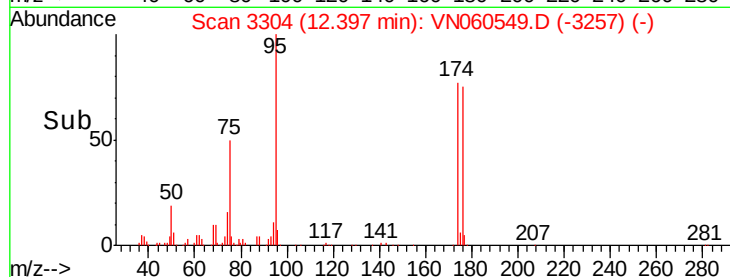
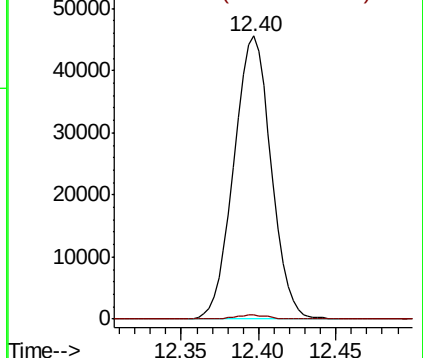
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 68.178 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060549.D

Acq: 17 Mar 2020 12:24

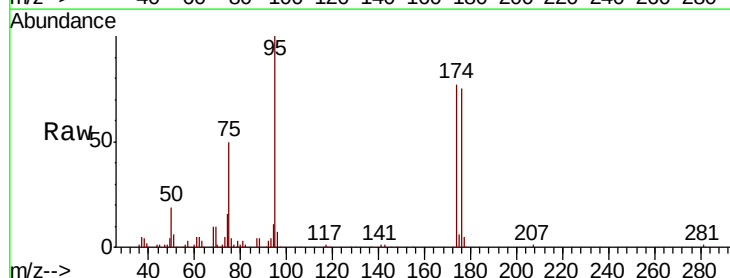
Tgt Ion: 75 Resp: 76128

Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

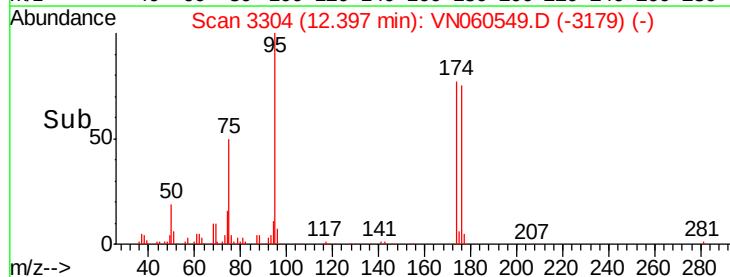
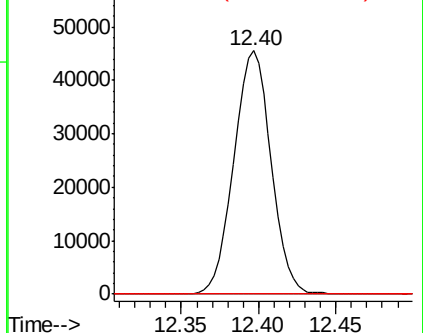
89 0.0 57.1 85.7#

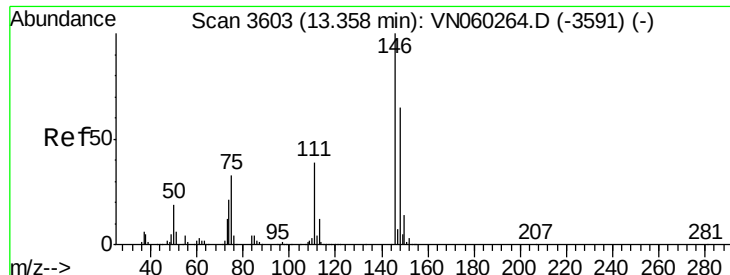


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

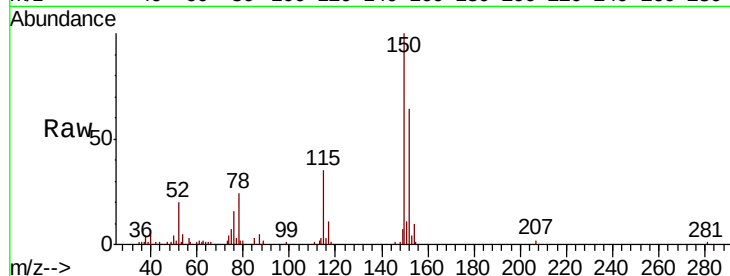




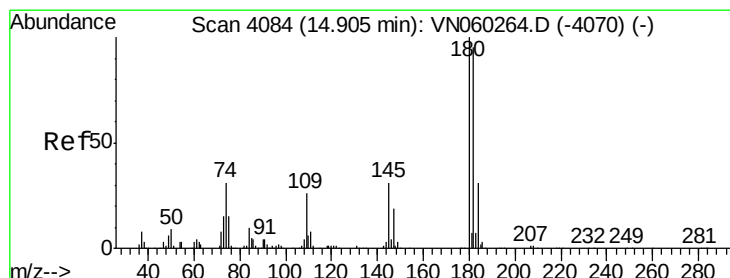
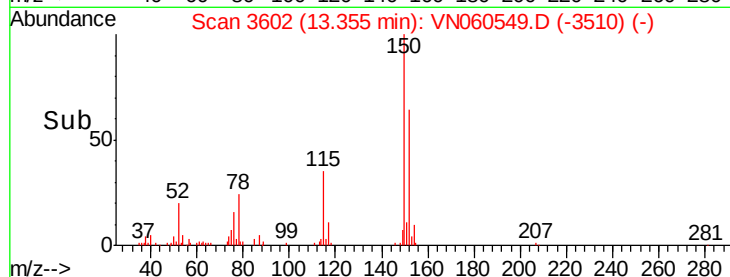
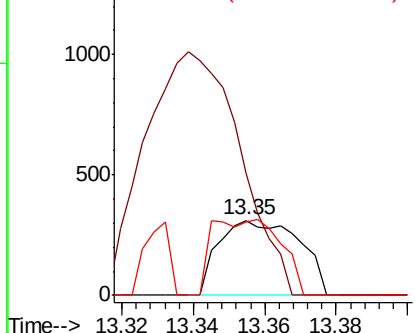
#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 13.35 min Scan# 3602
 Delta R.T. -0.00 min
 Lab File: VN060549.D
 Acq: 17 Mar 2020 12:24

Instrument :
 MSVOA_N
 ClientSampled :
 COMP

Tot Ion:146 Resp: 483
 Ion Ratio Lower Upper
 146 100
 111 386.7 19.8 59.4#
 148 35.8 32.3 96.9

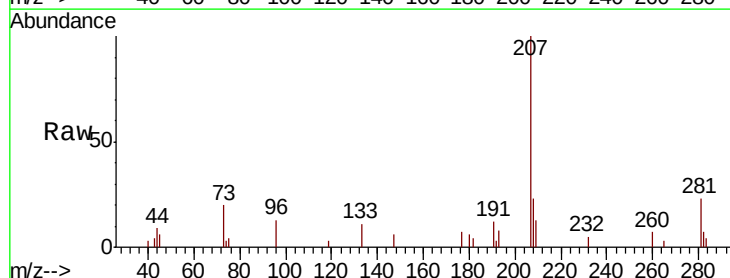


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V



#93
 1,2,4-Trichlorobenzene
 Concen: 0.252 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.01 min
 Lab File: VN060549.D
 Acq: 17 Mar 2020 12:24

Tgt Ion:180 Resp: 467
 Ion Ratio Lower Upper
 180 100
 182 60.2 47.8 143.3
 145 0.0 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

