

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030620\
 Data File : VN060382.D
 Acq On : 6 Mar 2020 15:51
 Operator : JC/MD
 Sample : PB127296ZHE#01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 07 00:56:49 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	185624	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	304516	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	288070	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	136969	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	119857	50.33	ug/l	0.00
Spiked Amount			Recovery	=	100.66%	
35) Dibromofluoromethane	7.57	113	87160	61.66	ug/l	0.00
Spiked Amount			Recovery	=	123.32%	
50) Toluene-d8	10.08	98	376191	52.59	ug/l	0.00
Spiked Amount			Recovery	=	105.18%	
62) 4-Bromofluorobenzene	12.40	95	143202	52.81	ug/l	0.00
Spiked Amount			Recovery	=	105.62%	

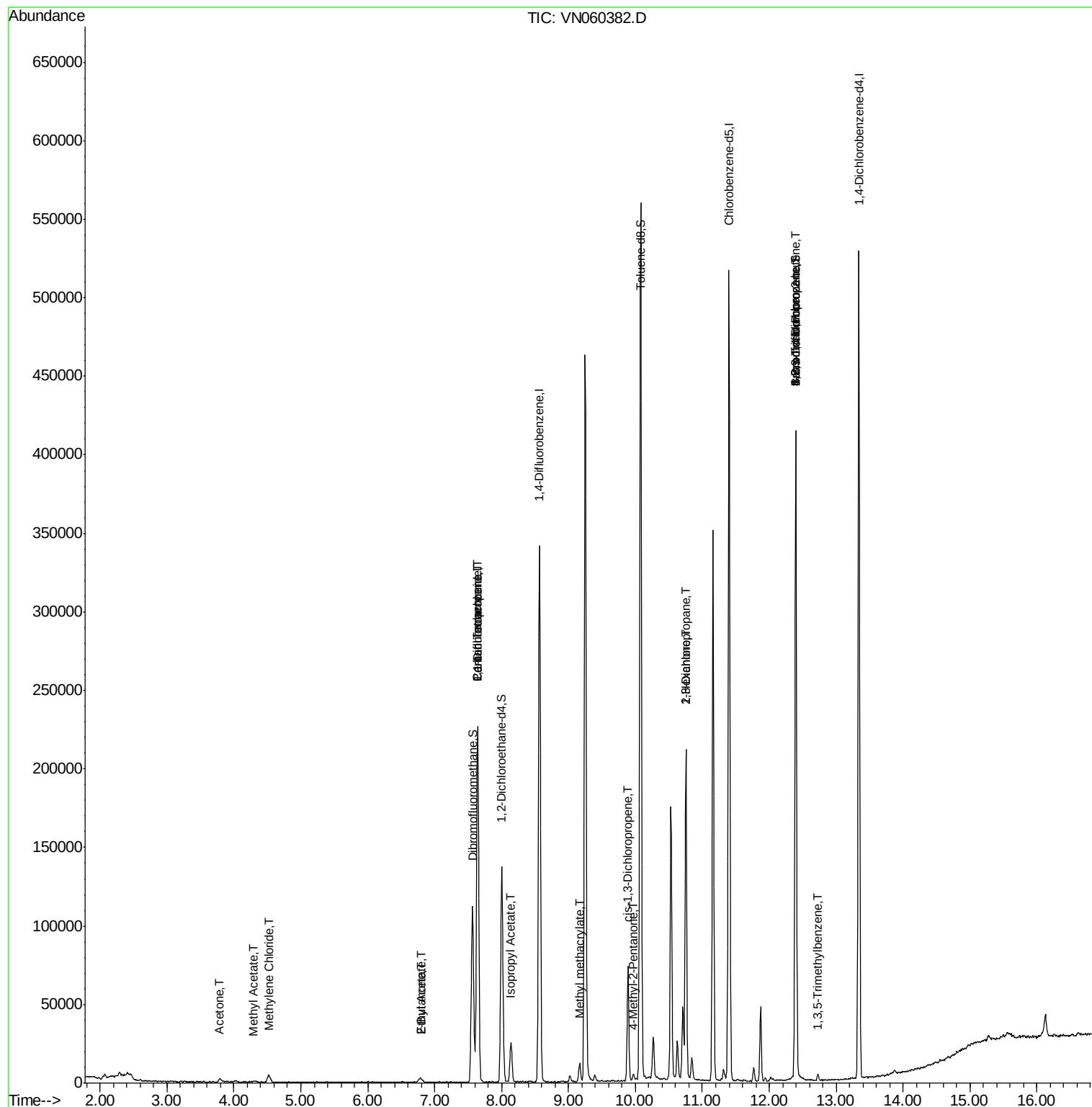
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	3861	5.020	ug/l	97
18) Methyl Acetate	4.30	43	703	0.274	ug/l #	52
20) Methylene Chloride	4.52	84	3505	1.659	ug/l	91
25) 2-Butanone	6.81	43	881	0.709	ug/l #	49
31) Cyclohexane	7.64	56	3930	Below Cal	#	1
36) 1,1-Dichloropropene	7.64	75	14714	5.070	ug/l #	48
37) Ethyl Acetate	6.81	43	881	0.321	ug/l #	68
38) Carbon Tetrachloride	7.64	117	17563	6.216	ug/l #	15
43) Isopropyl Acetate	8.14	43	30176	6.272	ug/l #	89
48) Methyl methacrylate	9.16	41	1986	0.905	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	3124	1.145	ug/l	90
54) cis-1,3-Dichloropropene	9.89	75	13004	3.514	ug/l #	61
57) 1,3-Dichloropropane	10.75	76	1953	0.561	ug/l #	42
59) 2-Hexanone	10.75	43	31829	15.893	ug/l #	53
71) Bromoform	12.40	173	786	0.507	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	72982	24.286	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	2621	0.307	ug/l	88
81) trans-1,4-Dichloro-2-buten	12.40	75	72982	67.041	ug/l #	8
87) 1,3-Dichlorobenzene	13.36	146	91	Below Cal	#	25
88) 1,4-Dichlorobenzene	13.36	146	91	Below Cal	#	25
95) Naphthalene	15.13	128	367	Below Cal	#	69

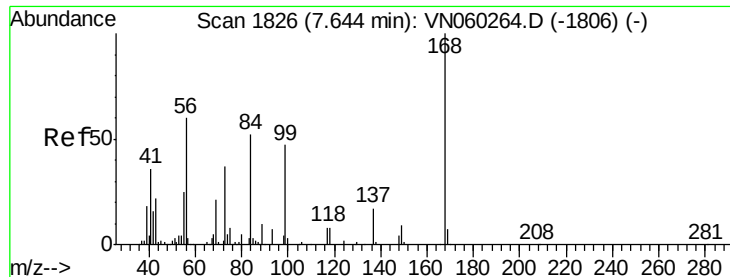
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Feb 27 13:52:50 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN060382.D

Acq: 6 Mar 2020 15:51

Instrument :

MSVOA_N

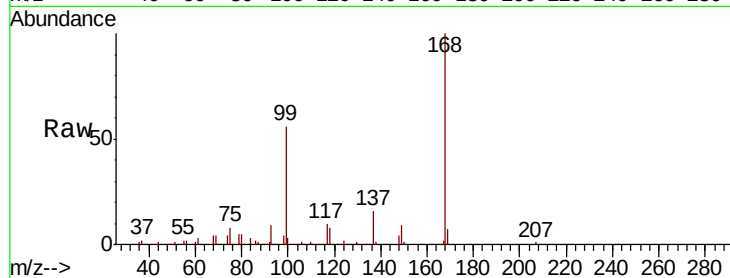
ClientSampled :

Tot Ion:168 Resp: 185624

Ion Ratio Lower Upper

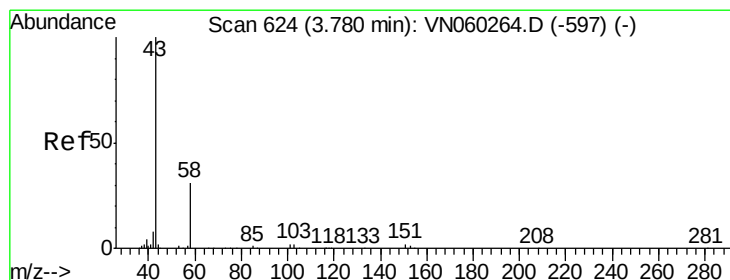
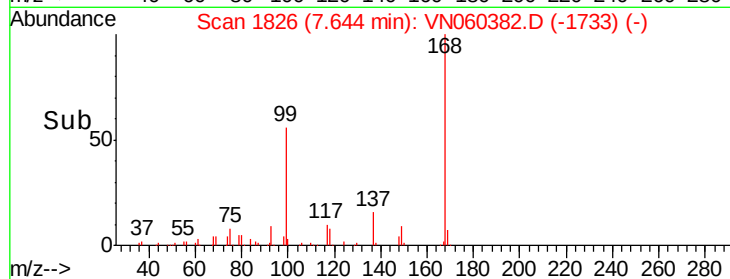
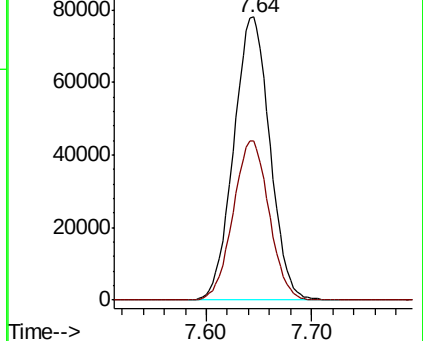
168 100

99 56.4 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#16

Acetone

Concen: 5.020 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.01 min

Lab File: VN060382.D

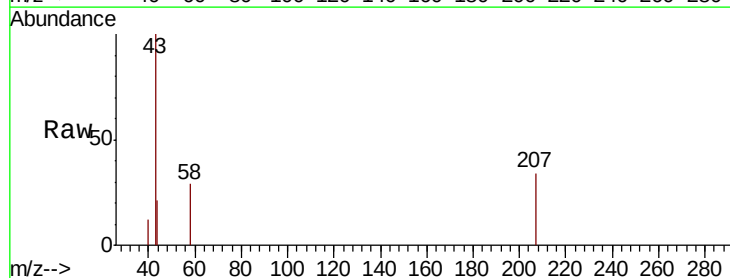
Acq: 6 Mar 2020 15:51

Tgt Ion: 43 Resp: 3861

Ion Ratio Lower Upper

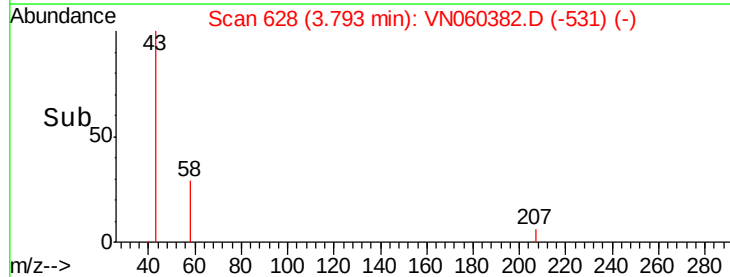
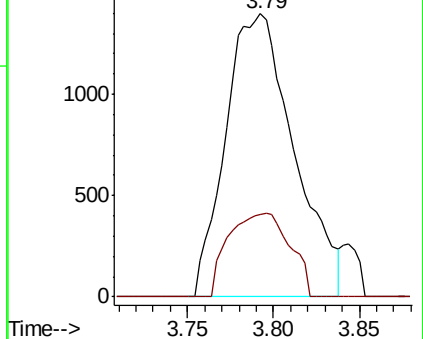
43 100

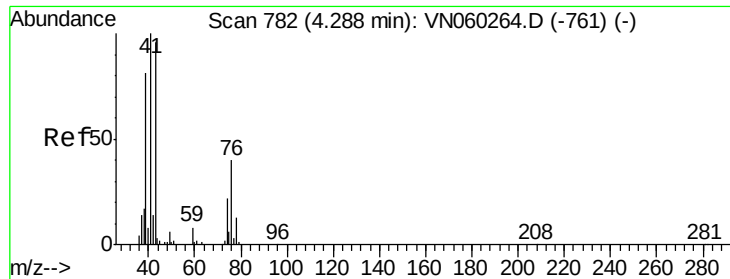
58 29.1 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

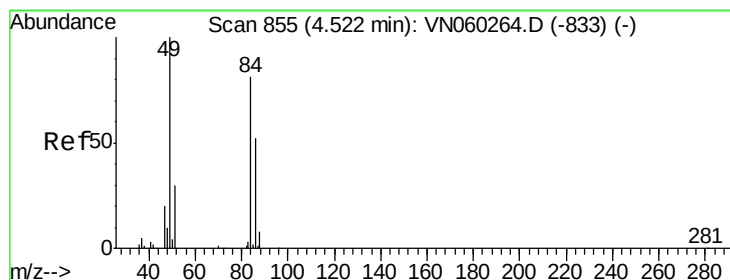
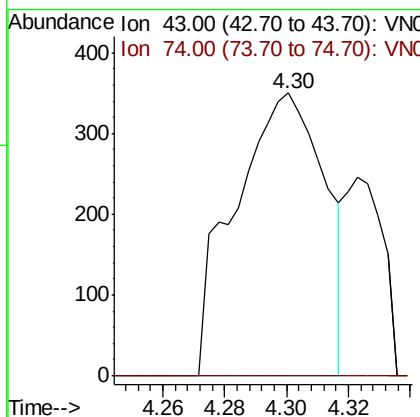
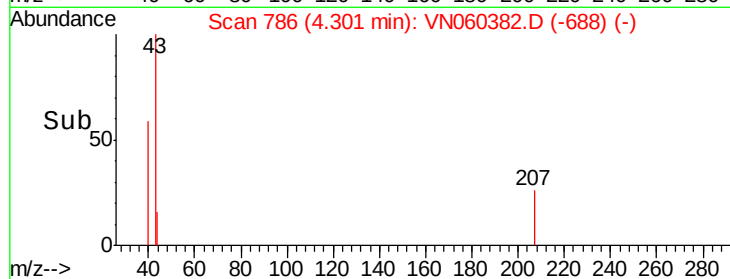
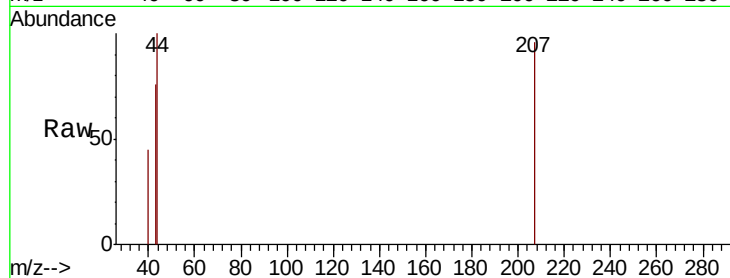




#18
Methvl Acetate
Concen: 0.274 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.01 min
Lab File: VN060382.D
Acq: 6 Mar 2020 15:51

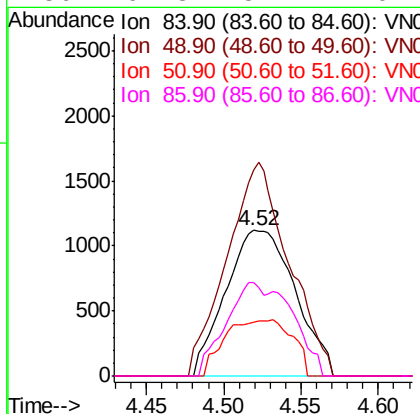
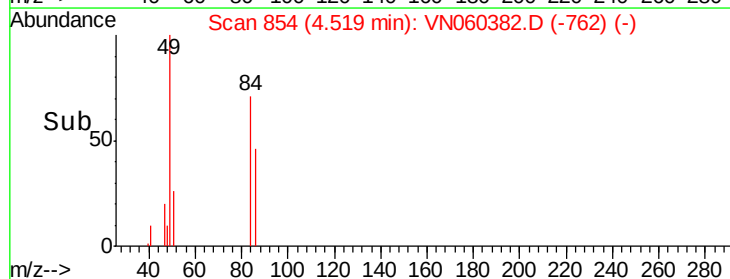
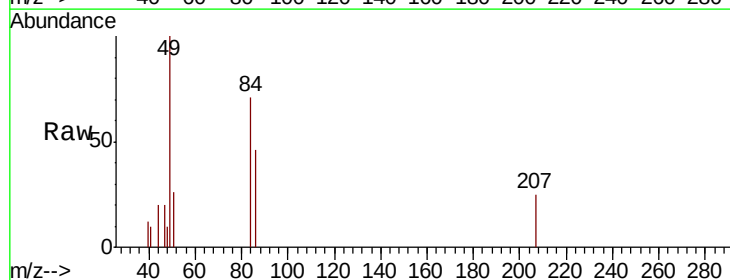
Instrument :
MSVOA_N
ClientSampleId :

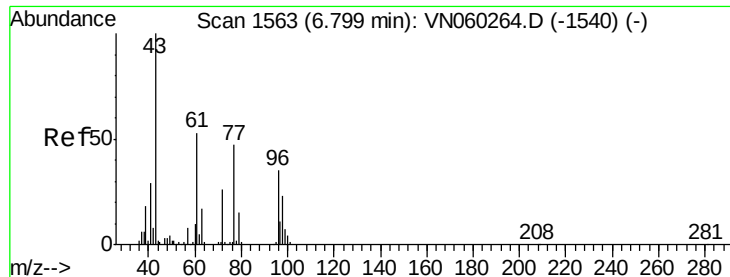
Tot Ion: 43 Resp: 703
Ion Ratio Lower Upper
43 100
74 0.0 18.8 28.2#



#20
Methylene Chloride
Concen: 1.659 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060382.D
Acq: 6 Mar 2020 15:51

Tgt Ion: 84 Resp: 3505
Ion Ratio Lower Upper
84 100
49 141.3 99.3 148.9
51 36.8 30.1 45.1
86 64.3 51.1 76.7





#25

2-Butanone

Concen: 0.709 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.01 min

Lab File: VN060382.D

Acq: 6 Mar 2020 15:51

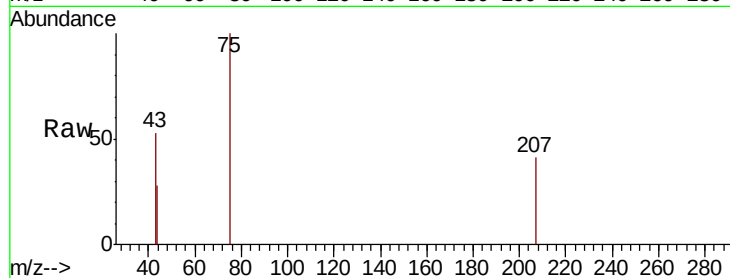
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 881

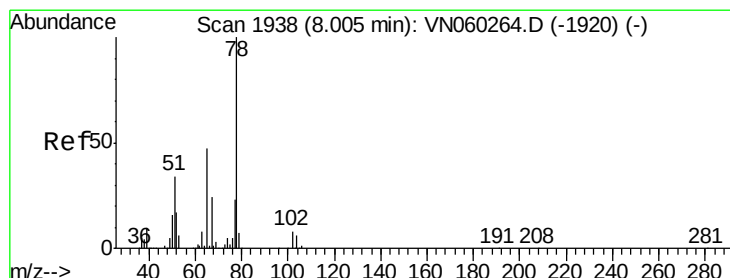
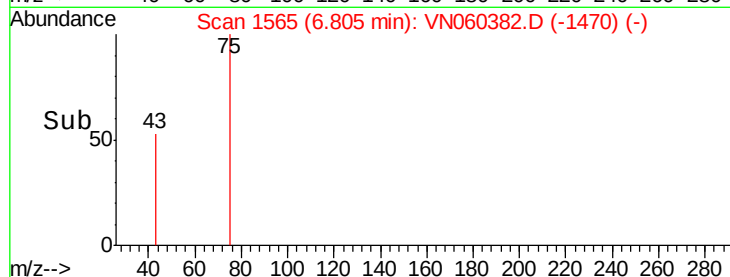
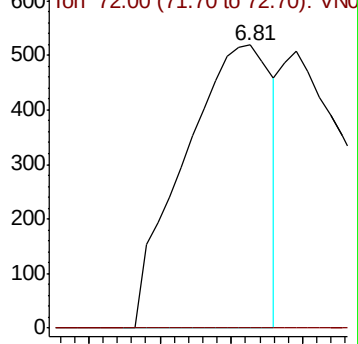
Ion Ratio Lower Upper

43 100

72 0.0 20.9 31.3#



Abundance Ion 43.00 (42.70 to 43.70): VN060382.D (-1540) (-)



#33

1,2-Dichloroethane-d4

Concen: 50.327 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN060382.D

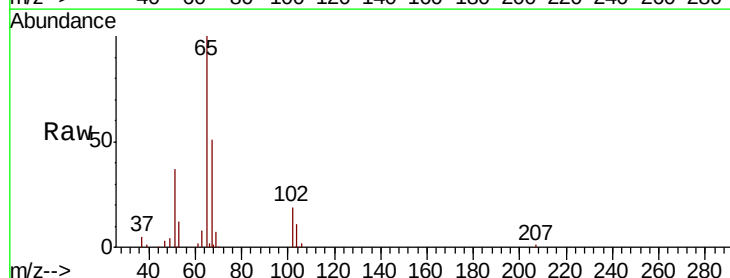
Acq: 6 Mar 2020 15:51

Tgt Ion: 65 Resp: 119857

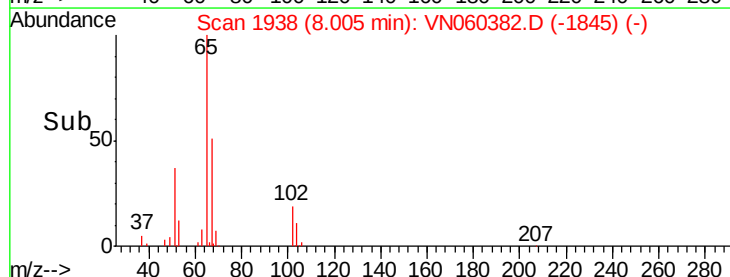
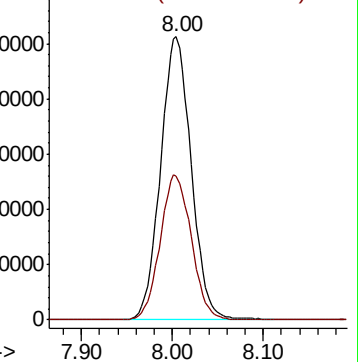
Ion Ratio Lower Upper

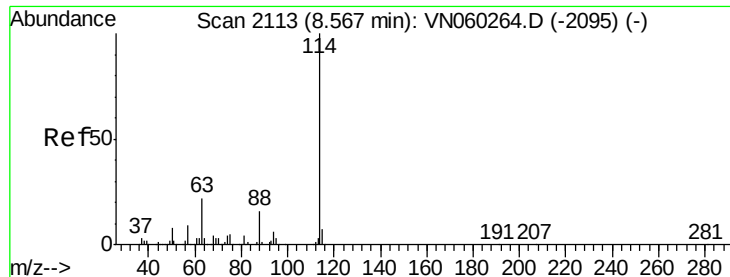
65 100

67 52.0 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN060382.D (-1845) (-)

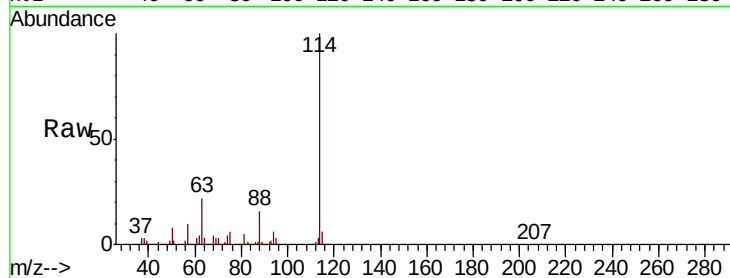




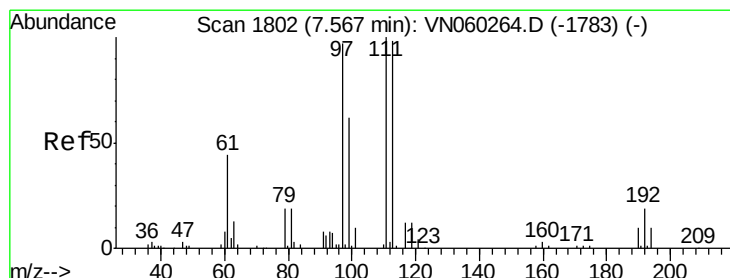
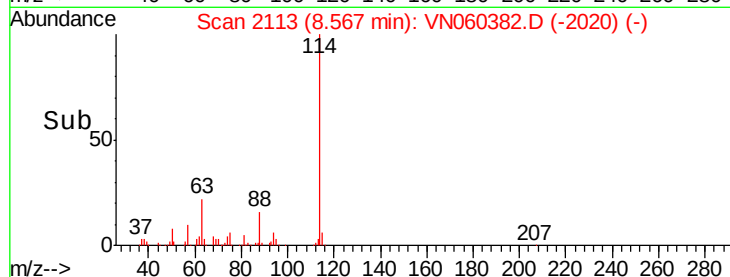
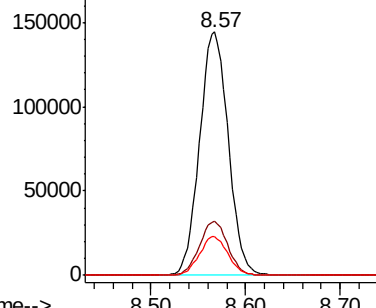
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.57 min Scan# 2113
Delta R.T. -0.00 min
Lab File: VN060382.D
Acq: 6 Mar 2020 15:51

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:114 Resp: 304516
Ion Ratio Lower Upper
114 100
63 22.0 0.0 43.2
88 16.1 0.0 31.6

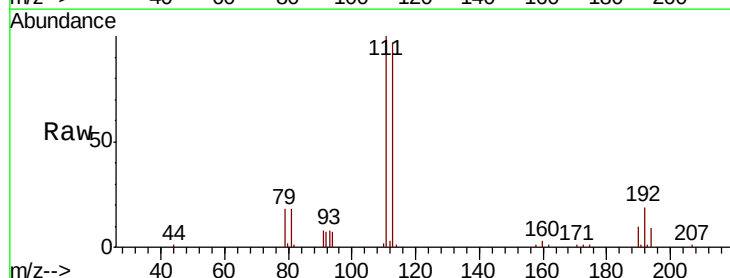


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

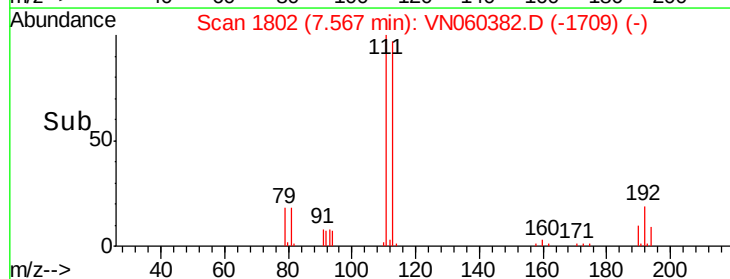
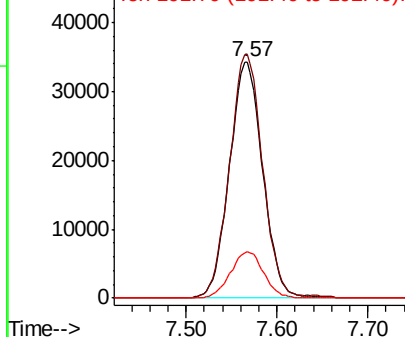


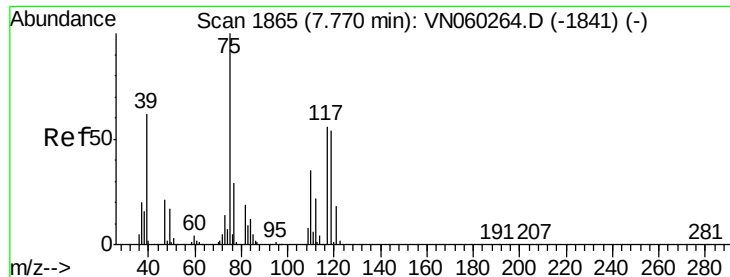
#35
Dibromofluoromethane
Concen: 61.664 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN060382.D
Acq: 6 Mar 2020 15:51

Tgt Ion:113 Resp: 87160
Ion Ratio Lower Upper
113 100
111 102.4 82.4 123.6
192 19.4 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: 5.070 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.13 min

Lab File: VN060382.D

Acq: 6 Mar 2020 15:51

Instrument :

MSVOA_N

ClientSampleId :

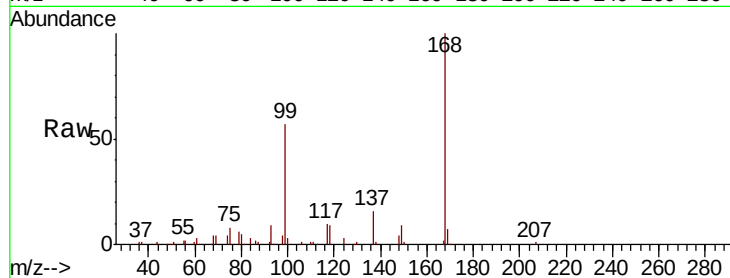
Tot Ion: 75 Resp: 14714

Ion Ratio Lower Upper

75 100

110 6.9 17.3 52.0#

77 0.0 24.2 36.2#

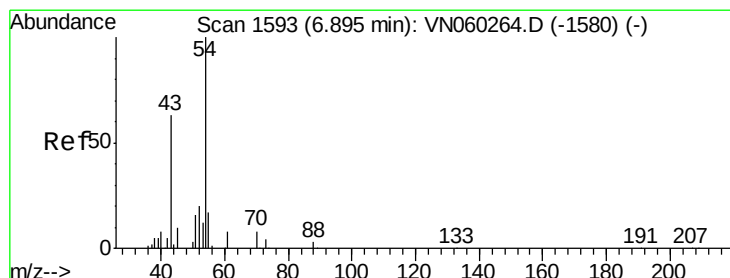
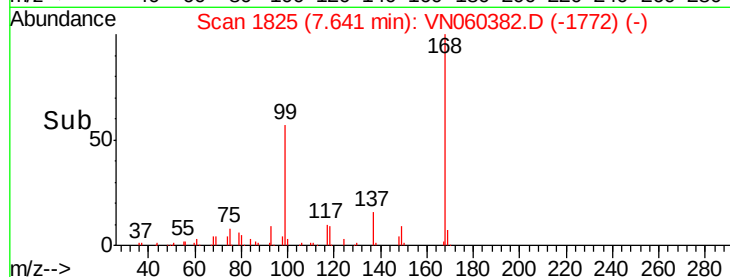


Abundance Ion 74.90 (74.60 to 75.60): VN060382.D (-1772) (-)

Ion 109.90 (109.60 to 110.60): VN060382.D (-1772) (-)

Ion 76.90 (76.60 to 77.60): VN060382.D (-1772) (-)

Time-->



#37

Ethyl Acetate

Concen: 0.321 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.09 min

Lab File: VN060382.D

Acq: 6 Mar 2020 15:51

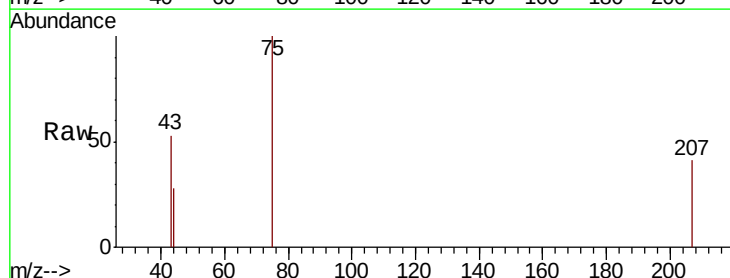
Tgt Ion: 43 Resp: 881

Ion Ratio Lower Upper

43 100

61 0.0 11.1 16.7#

70 0.0 8.4 12.6#

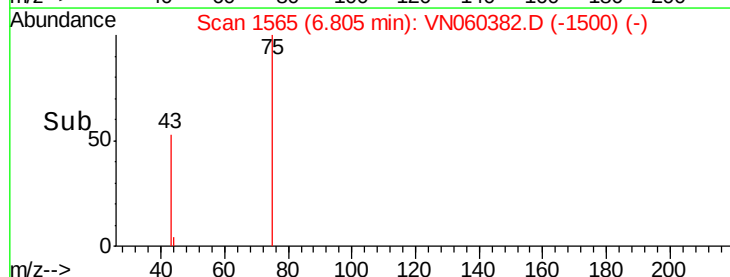


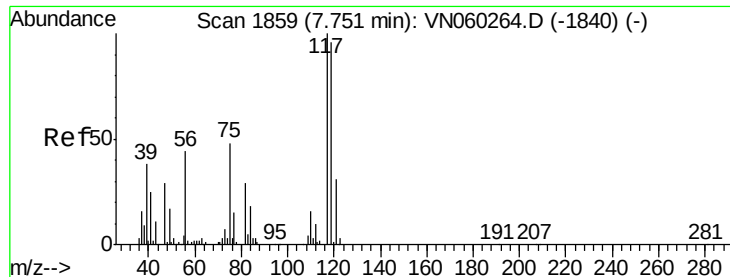
Abundance Ion 43.00 (42.70 to 43.70): VN060382.D (-1500) (-)

Ion 60.90 (60.60 to 61.60): VN060382.D (-1500) (-)

Ion 70.00 (69.70 to 70.70): VN060382.D (-1500) (-)

Time-->





#38

Carbon Tetrachloride

Concen: 6.216 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN060382.D

Acq: 6 Mar 2020 15:51

Instrument :

MSVOA_N

ClientSampled :

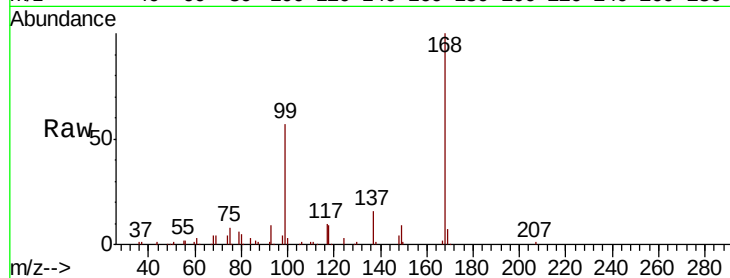
Tot Ion:117 Resp: 17563

Ion Ratio Lower Upper

117 100

119 4.2 76.7 115.1#

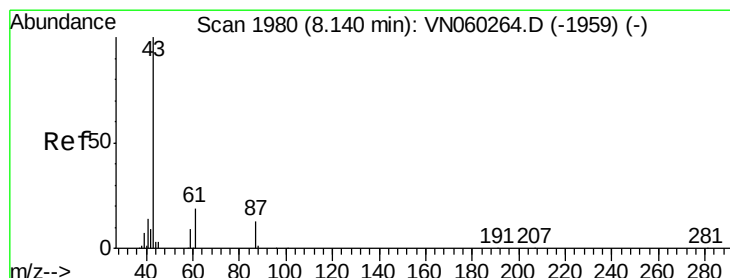
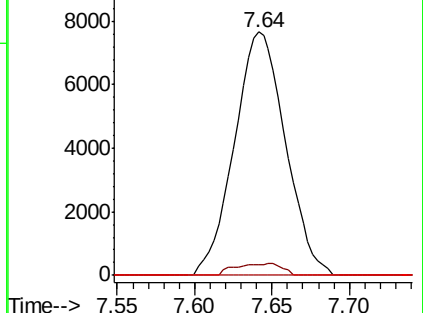
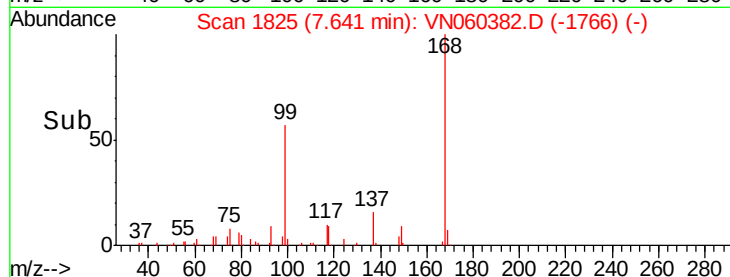
121 0.0 24.5 36.7#



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



#43

Isopropyl Acetate

Concen: 6.272 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN060382.D

Acq: 6 Mar 2020 15:51

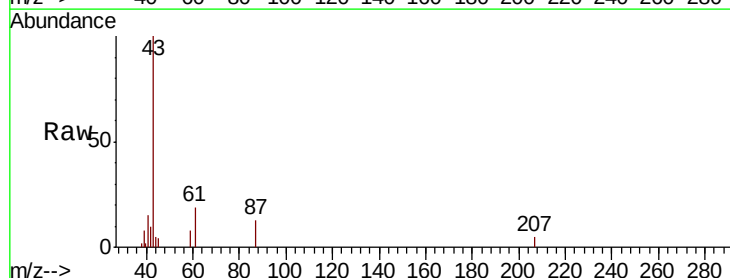
Tgt Ion: 43 Resp: 30176

Ion Ratio Lower Upper

43 100

61 18.5 20.9 31.3#

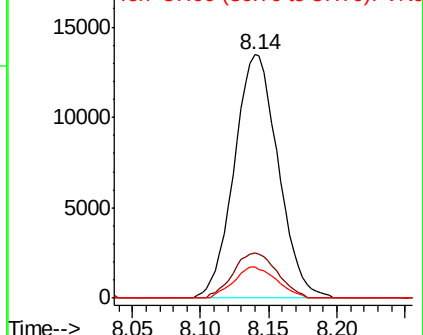
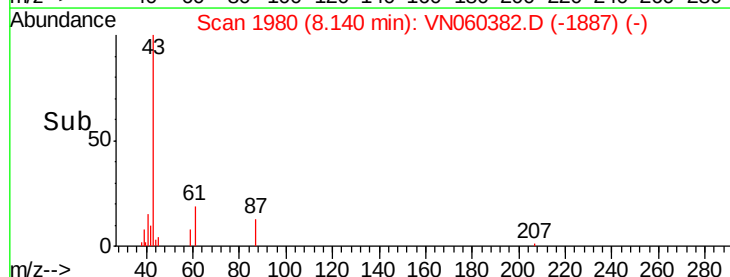
87 12.4 10.6 16.0

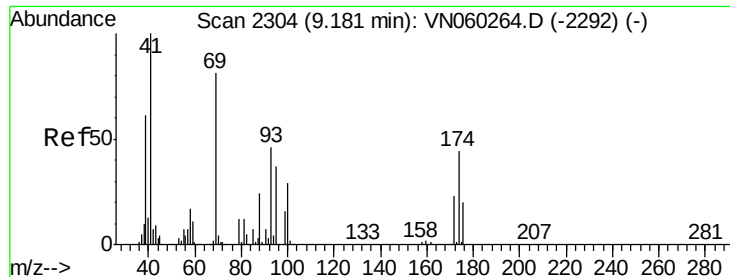


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

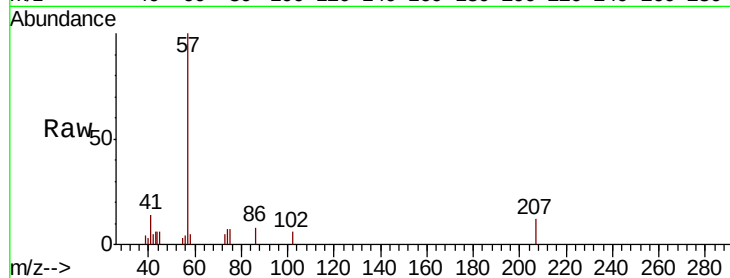




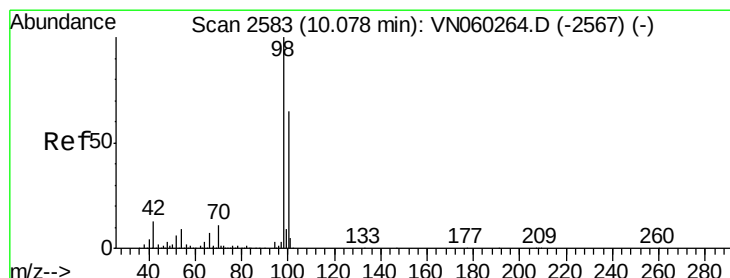
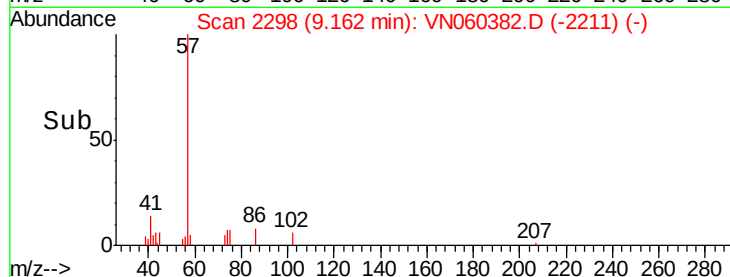
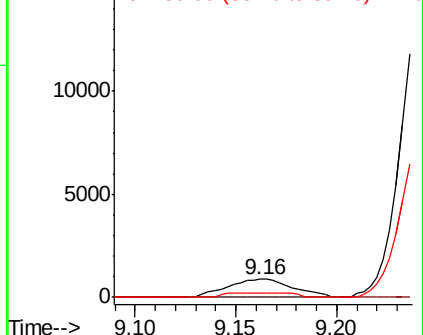
#48
Methyl methacrylate
Concen: 0.905 ug/l
RT: 9.16 min Scan# 2298
Delta R.T. -0.02 min
Lab File: VN060382.D
Acq: 6 Mar 2020 15:51

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 41 Resp: 1986
Ion Ratio Lower Upper
41 100
69 0.0 66.7 100.1#
39 0.0 50.1 75.1#

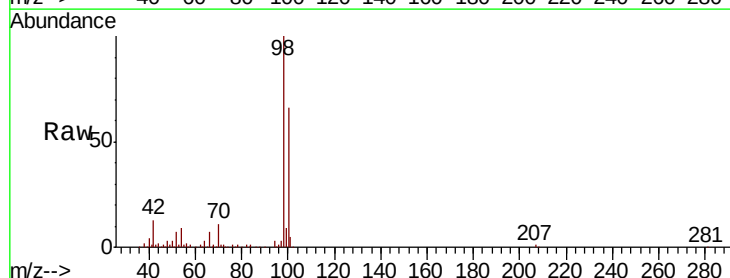


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

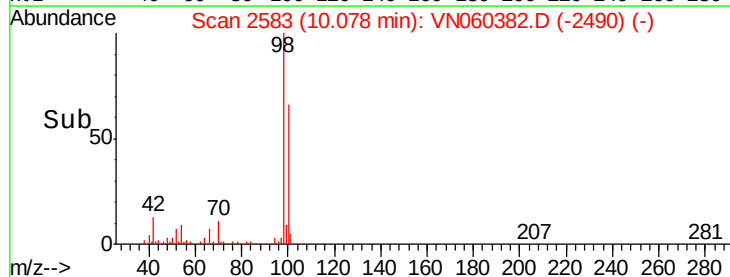
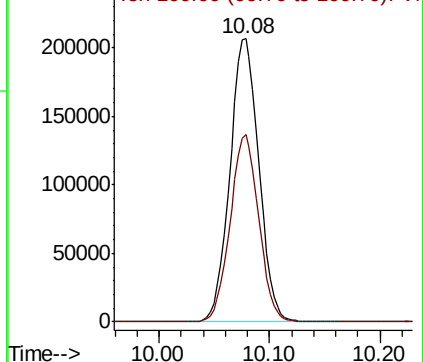


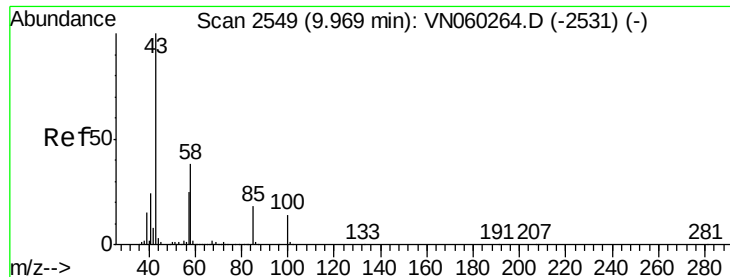
#50
Toluene-d8
Concen: 52.587 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN060382.D
Acq: 6 Mar 2020 15:51

Tgt Ion: 98 Resp: 376191
Ion Ratio Lower Upper
98 100
100 65.3 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 1.145 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN060382.D

Acq: 6 Mar 2020 15:51

Instrument :

MSVOA_N

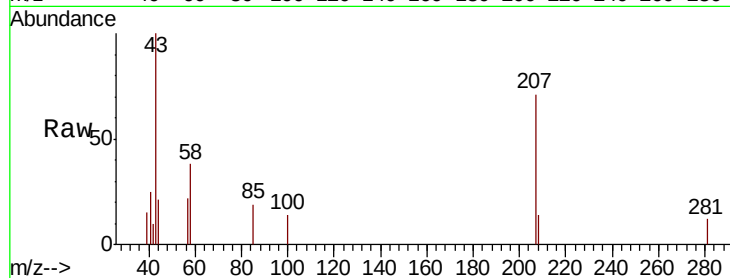
ClientSampled :

Tot Ion: 43 Resp: 3124

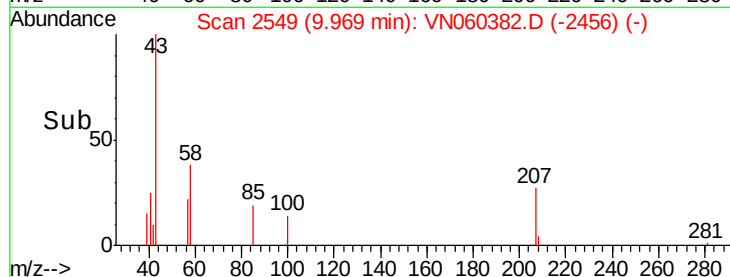
Ion Ratio Lower Upper

43 100

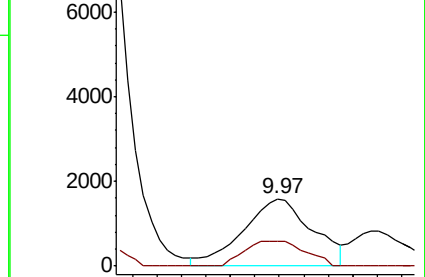
58 32.5 30.9 46.3



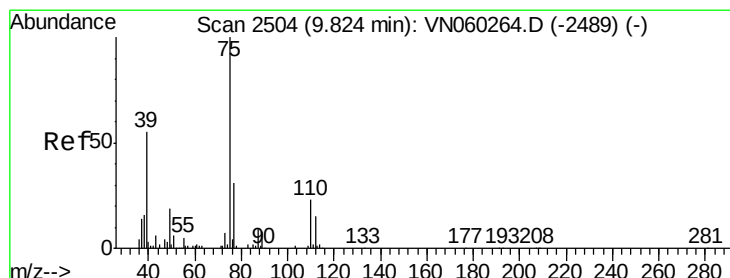
Abundance Ion 43.00 (42.70 to 43.70): VN060382.D (-2456) (-)



Ion 58.00 (57.70 to 58.70): VN060382.D (-2456) (-)



Time-->



#54

cis-1,3-Dichloropropene

Concen: 3.514 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060382.D

Acq: 6 Mar 2020 15:51

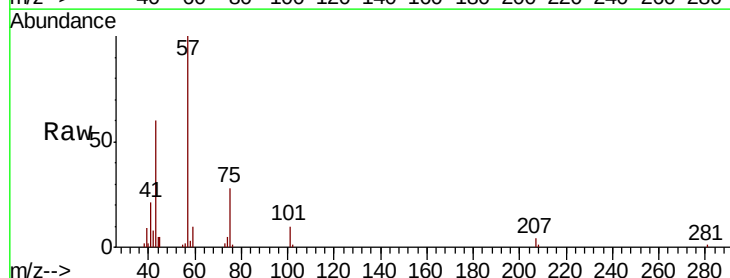
Tgt Ion: 75 Resp: 13004

Ion Ratio Lower Upper

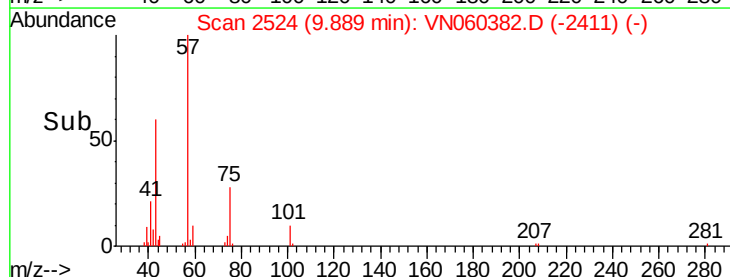
75 100

77 0.0 24.8 37.2#

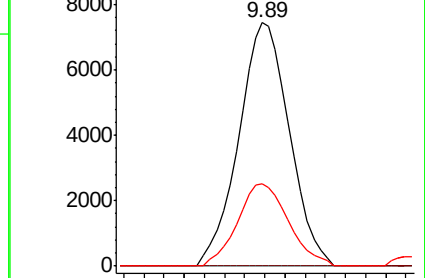
39 33.9 43.8 65.8#



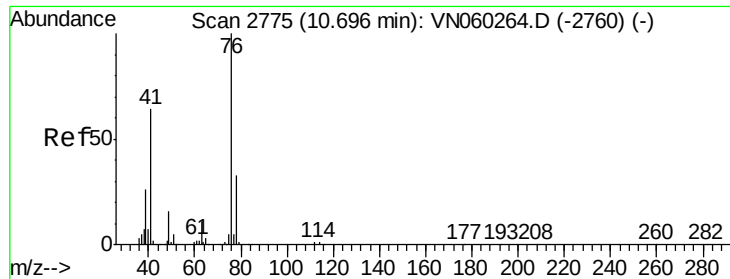
Abundance Ion 74.90 (74.60 to 75.60): VN060382.D (-2411) (-)



Ion 76.90 (76.60 to 77.60): VN060382.D (-2411) (-)



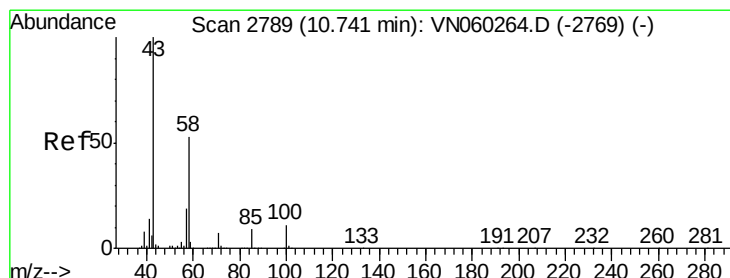
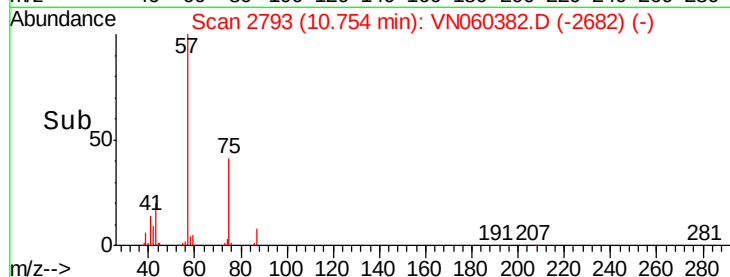
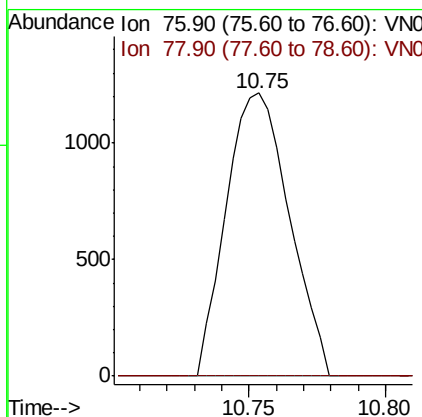
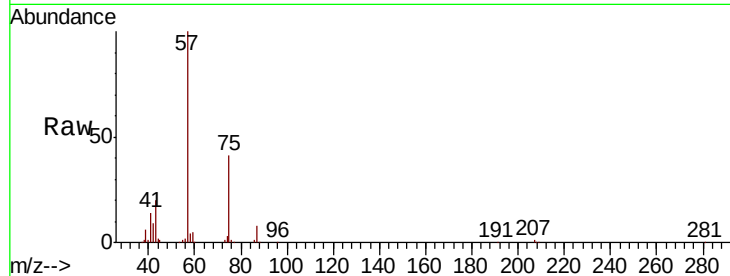
Time-->



#57
 1,3-Dichloropropane
 Concen: 0.561 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.06 min
 Lab File: VN060382.D
 Acq: 6 Mar 2020 15:51

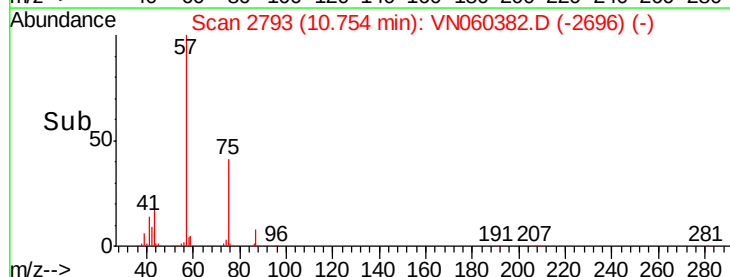
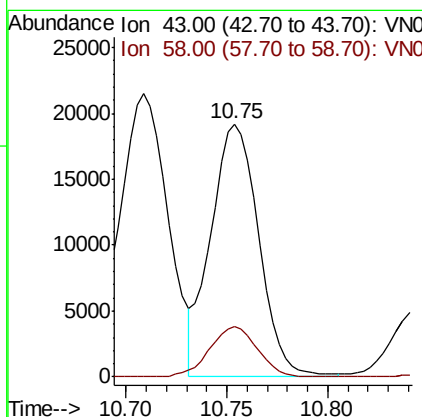
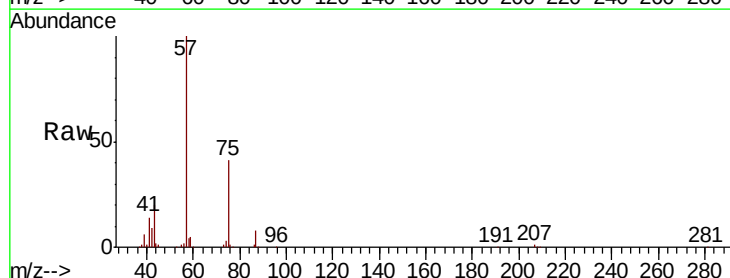
Instrument :
 MSVOA_N
 ClientSampled :

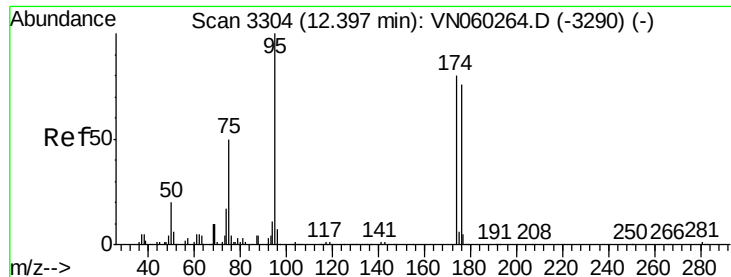
Tot Ion: 76 Resp: 1953
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.2#



#59
 2-Hexanone
 Concen: 15.893 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.01 min
 Lab File: VN060382.D
 Acq: 6 Mar 2020 15:51

Tgt Ion: 43 Resp: 31829
 Ion Ratio Lower Upper
 43 100
 58 19.7 26.5 79.5#

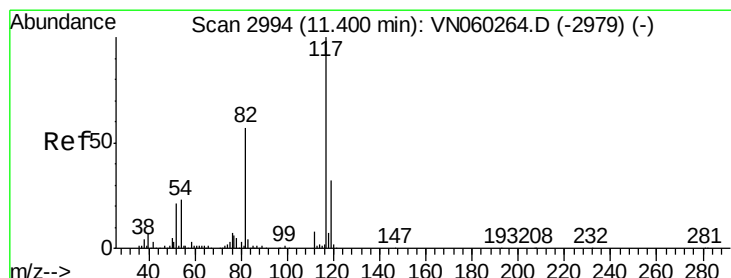
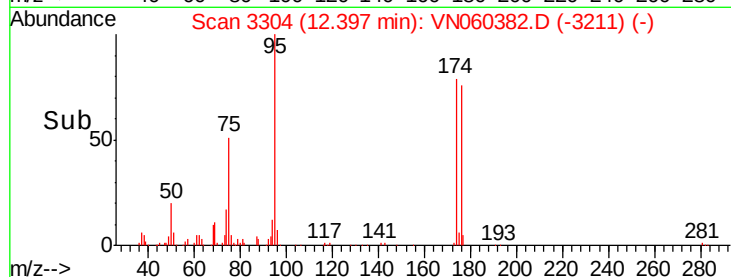
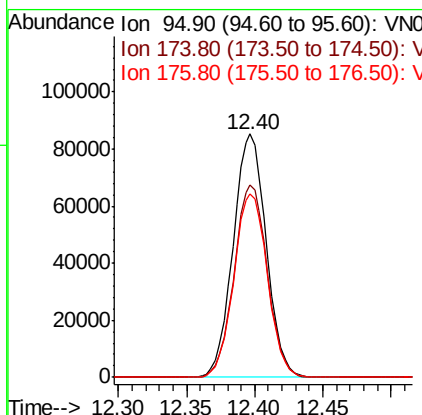
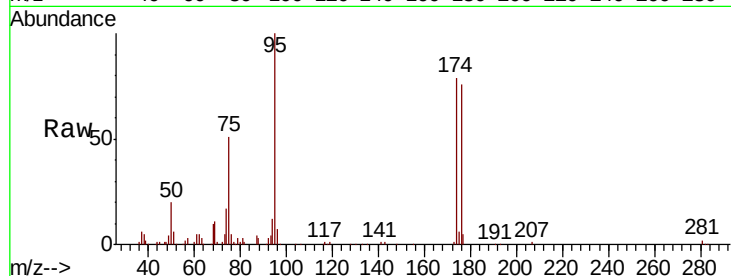




#62
4-Bromofluorobenzene
Concen: 52.807 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN060382.D
Acq: 6 Mar 2020 15:51

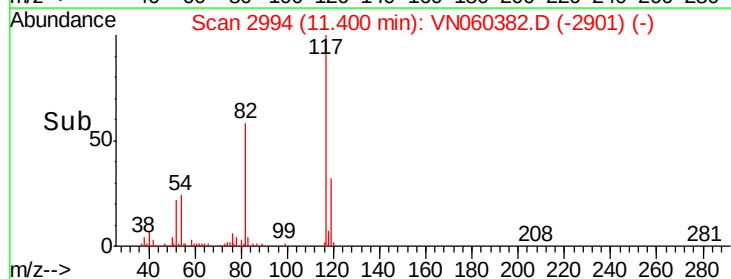
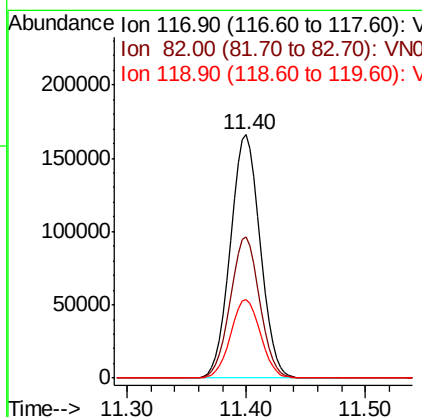
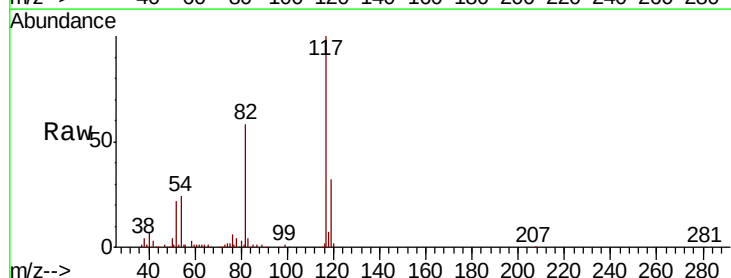
Instrument :
MSVOA_N
ClientSampled :

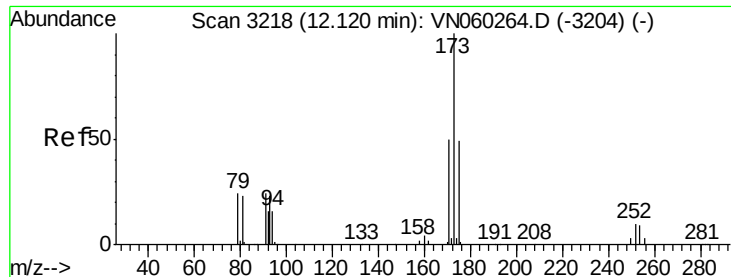
Tot Ion: 95 Resp: 143202
Ion Ratio Lower Upper
95 100
174 79.3 0.0 159.2
176 76.4 0.0 153.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060382.D
Acq: 6 Mar 2020 15:51

Tgt Ion: 117 Resp: 288070
Ion Ratio Lower Upper
117 100
82 57.8 45.8 68.6
119 32.2 25.8 38.8





#71

Bromoform

Concen: 0.507 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.28 min

Lab File: VN060382.D

Acq: 6 Mar 2020 15:51

Instrument :

MSVOA_N

ClientSampleId :

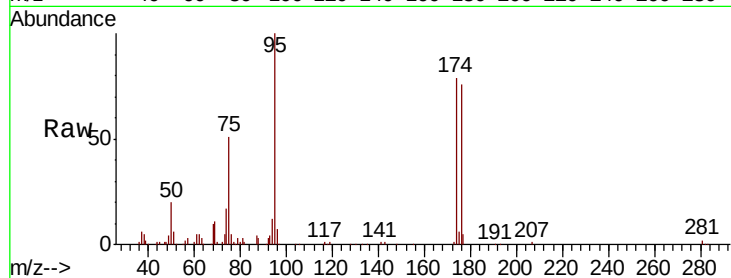
Tot Ion:173 Resp: 786

Ion Ratio Lower Upper

173 100

175 946.2 24.1 72.2#

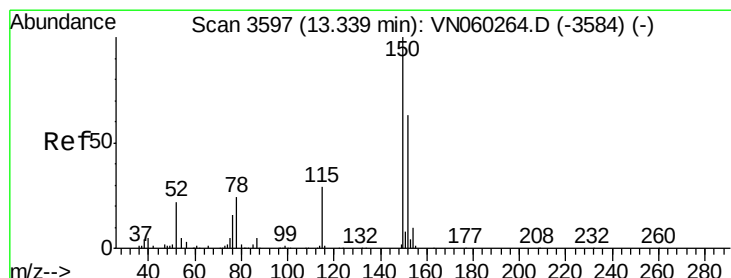
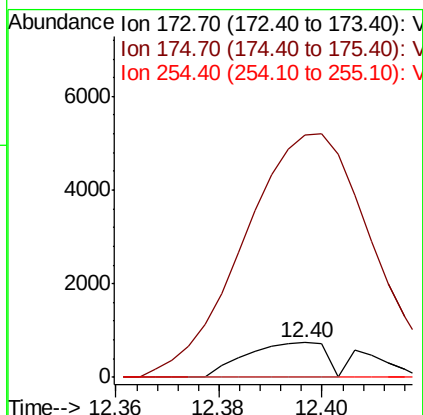
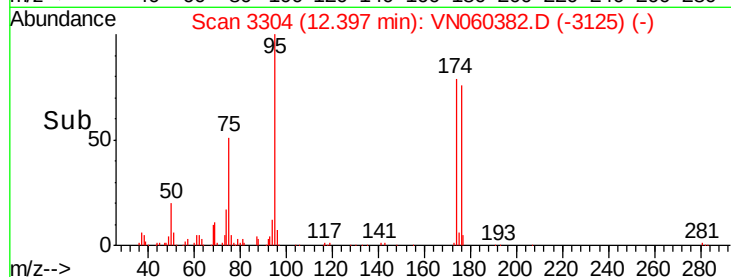
254 0.0 0.0 0.0



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: VN060382.D

Acq: 6 Mar 2020 15:51

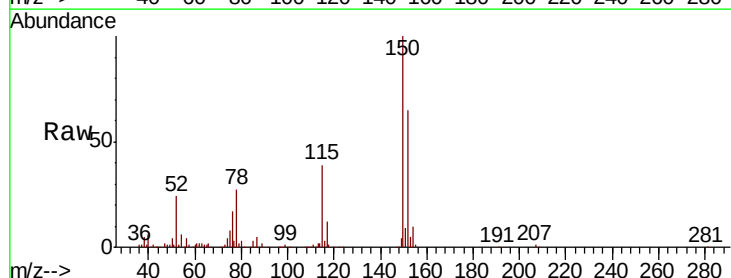
Tgt Ion:152 Resp: 136969

Ion Ratio Lower Upper

152 100

115 59.5 30.0 90.0

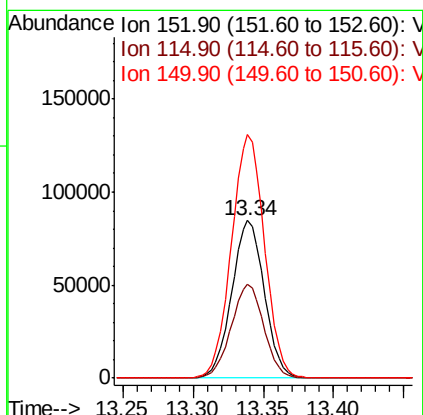
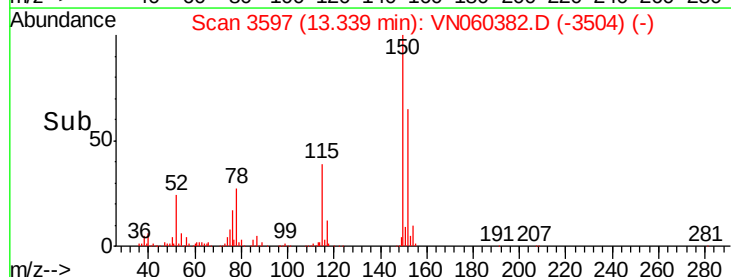
150 157.0 0.0 349.6

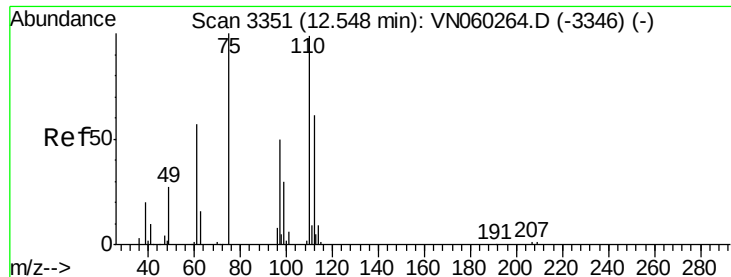


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 24.286 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060382.D

Acq: 6 Mar 2020 15:51

Instrument :

MSVOA_N

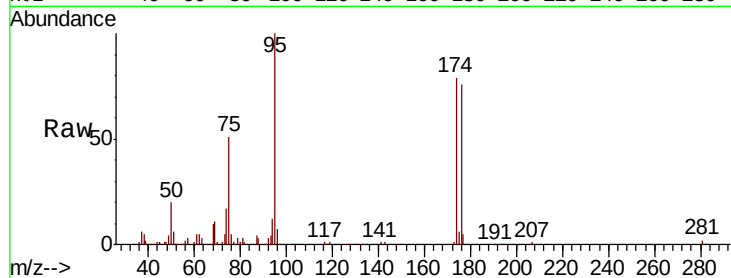
ClientSampled :

Tot Ion: 75 Resp: 72982

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#

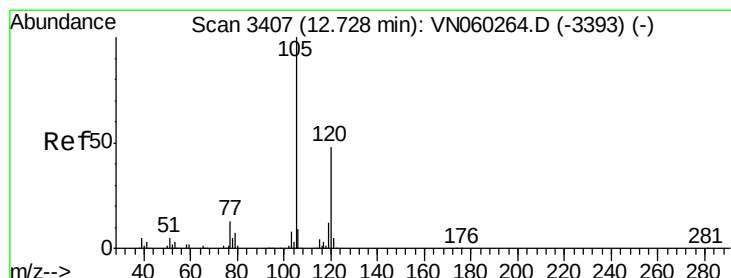
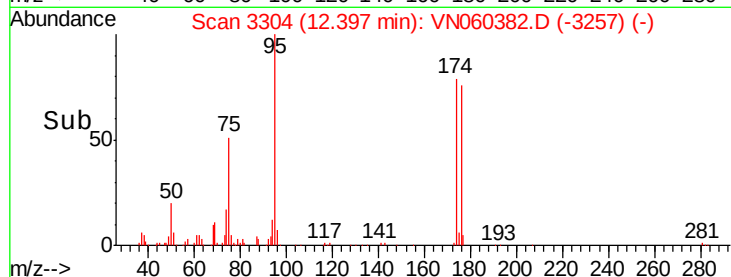


Abundance Ion 74.90 (74.60 to 75.60): VN060382.D (-3257) (-)

Ion 77.00 (76.70 to 77.70): VN060382.D (-3257) (-)

12.40

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 0.307 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060382.D

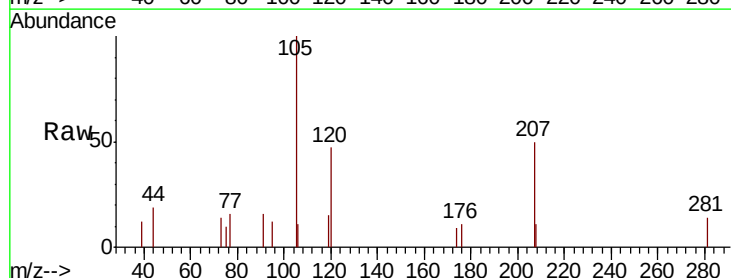
Acq: 6 Mar 2020 15:51

Tgt Ion: 105 Resp: 2621

Ion Ratio Lower Upper

105 100

120 40.4 24.1 72.4

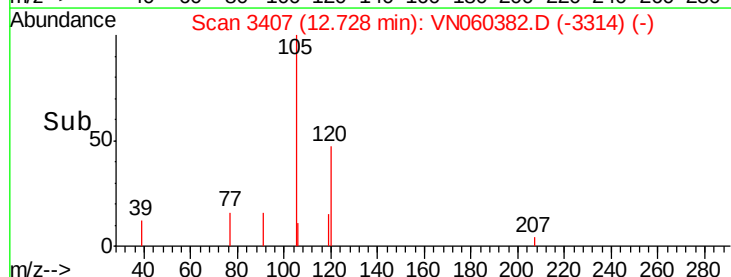


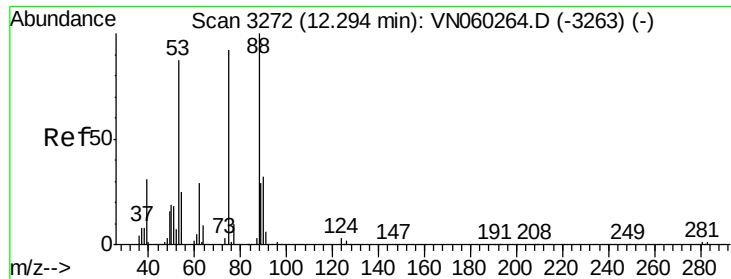
Abundance Ion 105.00 (104.70 to 105.70): VN060382.D (-3314) (-)

Ion 120.00 (119.70 to 120.70): VN060382.D (-3314) (-)

12.73

Time-->

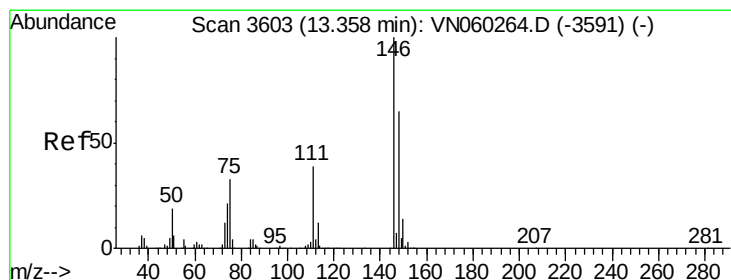
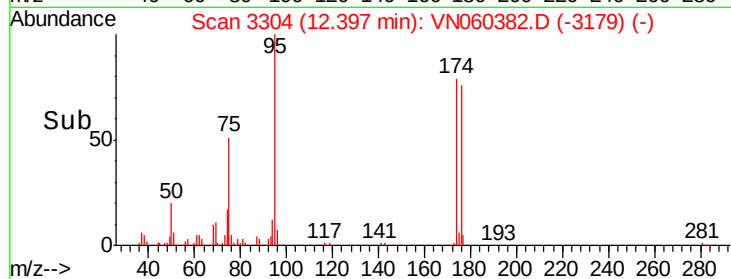
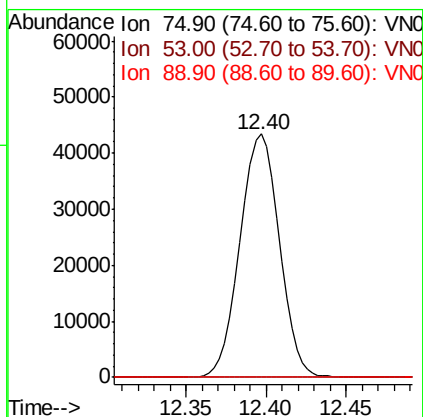
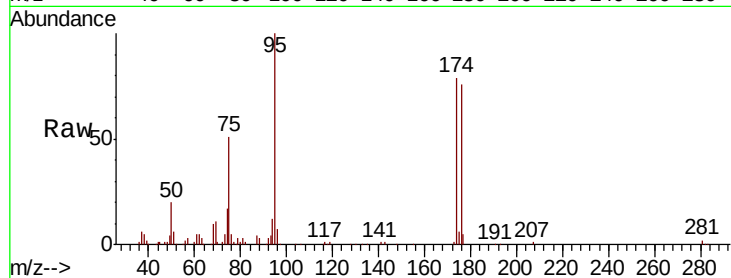




#81
trans-1,4-Dichloro-2-butene
Concen: 67.041 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.10 min
Lab File: VN060382.D
Acq: 6 Mar 2020 15:51

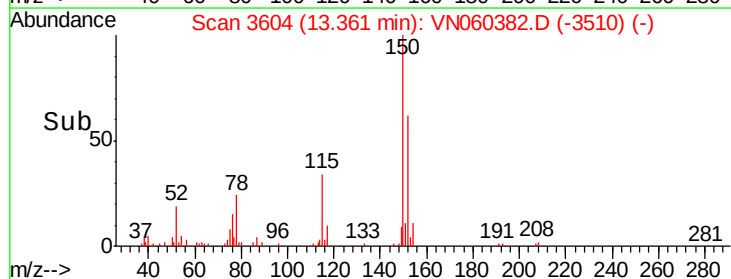
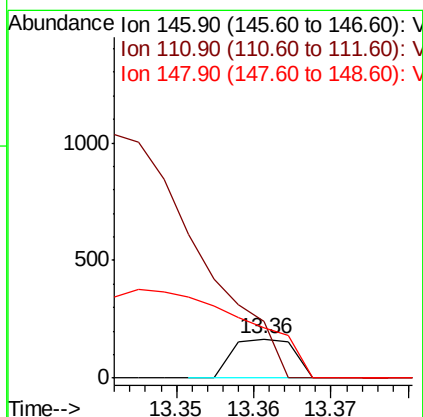
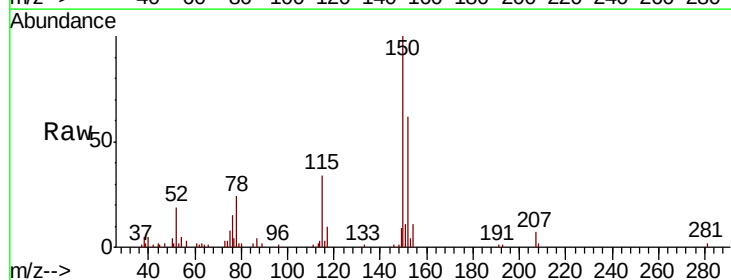
Instrument :
MSVOA_N
ClientSampleId :

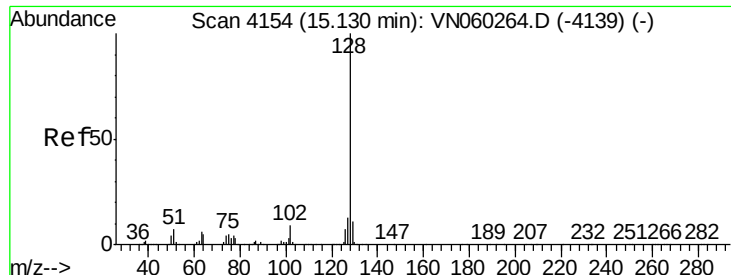
Tot Ion: 75 Resp: 72982
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 57.1 85.7#



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.36 min Scan# 3604
Delta R.T. 0.00 min
Lab File: VN060382.D
Acq: 6 Mar 2020 15:51

Tgt Ion: 146 Resp: 91
Ion Ratio Lower Upper
146 100
111 0.0 19.8 59.4#
148 0.0 32.3 96.9#

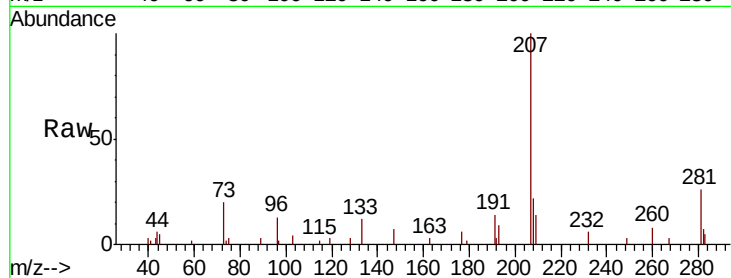




#95
Naphthalene
Concen: Below Cal
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060382.D
Acq: 6 Mar 2020 15:51

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.4	15.6#
129	0.0	8.6	13.0#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

