

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031720\
 Data File : VN060552.D
 Acq On : 17 Mar 2020 13:33
 Operator : JC/MD
 Sample : L1943-12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 J+B-2A

Quant Time: Mar 18 06:43:13 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	200773	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	333754	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	309450	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	138436	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	129863	50.41	ug/l	0.00
Spiked Amount			Recovery	=	100.82%	
35) Dibromofluoromethane	7.57	113	98646	63.68	ug/l	0.00
Spiked Amount			Recovery	=	127.36%	
50) Toluene-d8	10.08	98	408889	52.15	ug/l	0.00
Spiked Amount			Recovery	=	104.30%	
62) 4-Bromofluorobenzene	12.40	95	152492	51.31	ug/l	0.00
Spiked Amount			Recovery	=	102.62%	

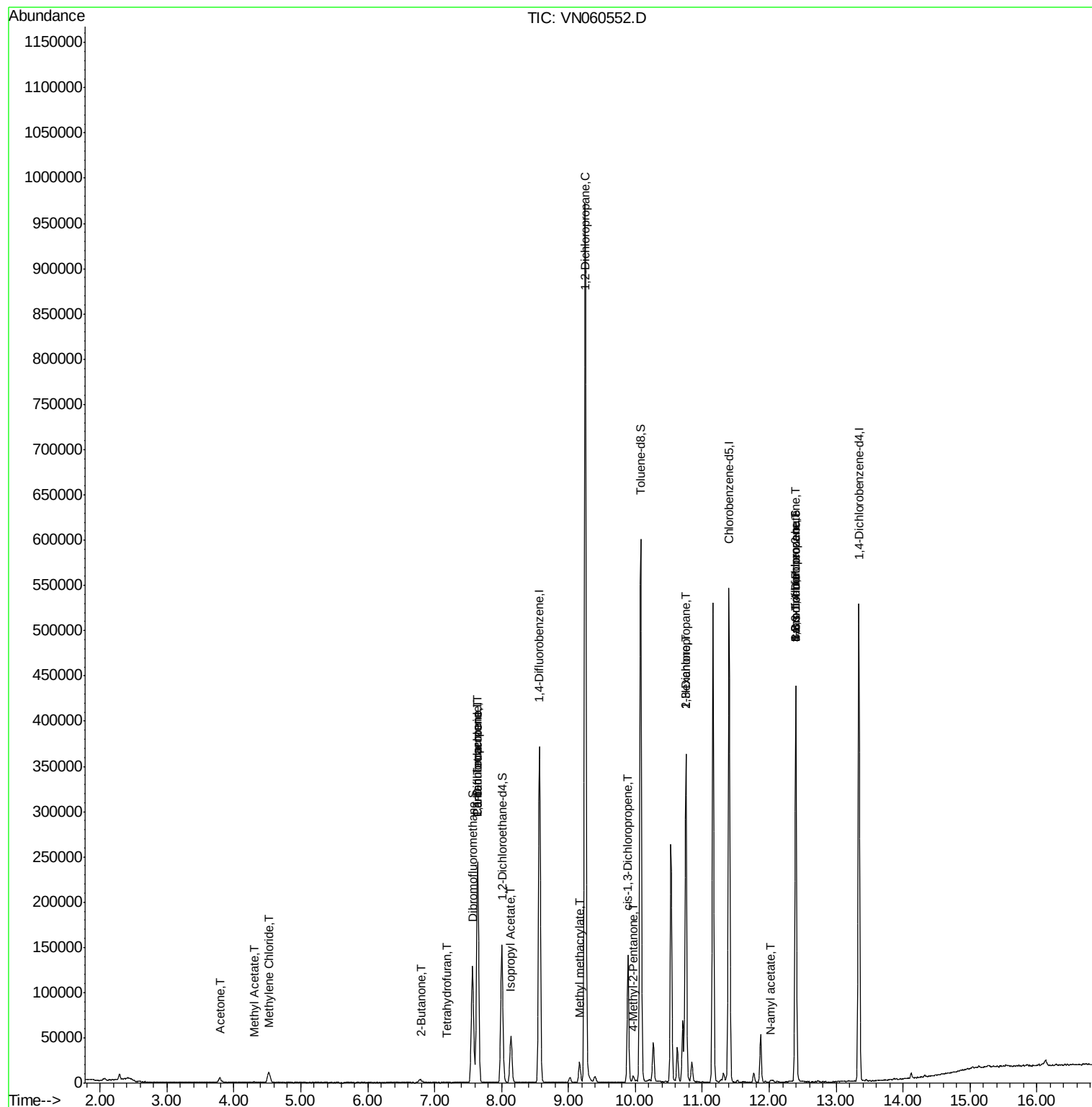
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	9813	11.797	ug/l	100
17) Carbon Disulfide	4.03	76	92	Below Cal	#	75
18) Methyl Acetate	4.30	43	1752	0.631	ug/l #	63
20) Methylene Chloride	4.52	84	9237	4.043	ug/l	98
25) 2-Butanone	6.81	43	2663	1.982	ug/l	97
29) Tetrahydrofuran	7.18	42	370	0.396	ug/l #	33
31) Cyclohexane	7.64	56	4176	Below Cal	#	1
36) 1,1-Dichloropropene	7.64	75	15805	4.969	ug/l #	49
38) Carbon Tetrachloride	7.64	117	19190	6.196	ug/l #	16
43) Isopropyl Acetate	8.14	43	62043	11.767	ug/l #	91
45) 1,2-Dichloropropane	9.25	63	1252	0.517	ug/l #	44
48) Methyl methacrylate	9.16	41	3413	1.419	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	5370	1.796	ug/l	91
54) cis-1,3-Dichloropropene	9.89	75	25028	6.171	ug/l #	58
57) 1,3-Dichloropropane	10.75	76	3562	0.934	ug/l #	42
59) 2-Hexanone	10.75	43	53948	24.578	ug/l #	52
71) Bromoform	12.40	173	812	0.488	ug/l #	1
74) N-amyl acetate	12.02	43	1647	0.367	ug/l #	44
76) 1,2,3-Trichloropropane	12.40	75	75484	24.852	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	75484	68.604	ug/l #	8
87) 1,3-Dichlorobenzene	13.28	146	101	Below Cal	#	25
88) 1,4-Dichlorobenzene	13.36	146	249	Below Cal	#	1
95) Naphthalene	15.13	128	556	Below Cal	#	69

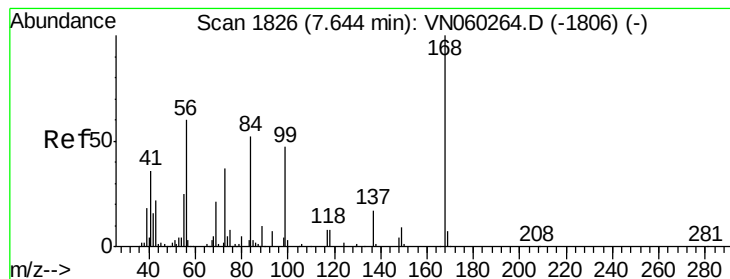
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN031720\
Data File : VN060552.D
Acq On : 17 Mar 2020 13:33
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ALS Vial : 11 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Time: Mar 18 06:43:13 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
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# 1825

Delta R.T. -0.00 min

Lab File: VN060552.D

Acq: 17 Mar 2020 13:33

Instrument :

MSVOA_N

ClientSampleId :

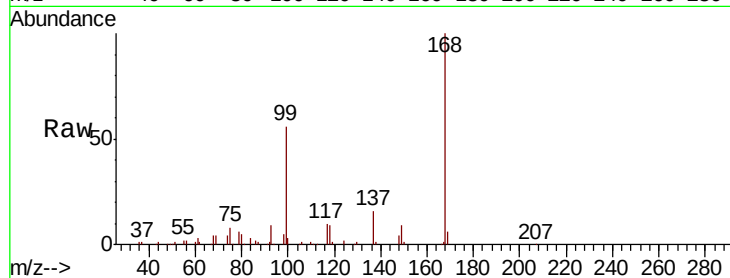
J+B-2A

Tot Ion:168 Resp: 200773

Ion Ratio Lower Upper

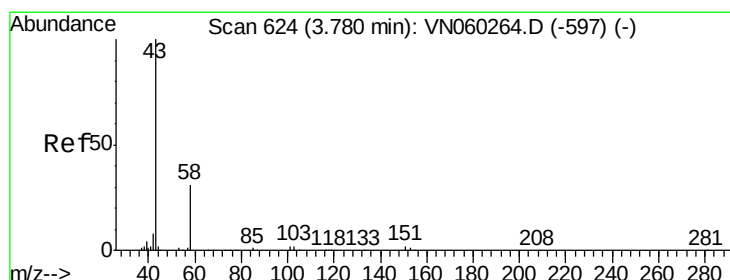
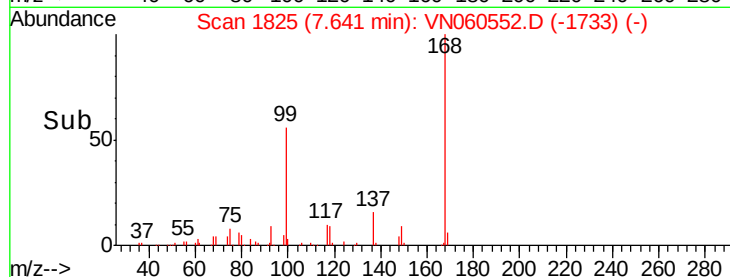
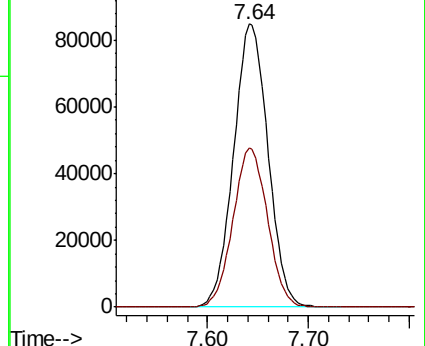
168 100

99 56.4 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): VN060264.D (-1806) (-)

Ion 98.90 (98.60 to 99.60): VN060264.D (-1806) (-)



#16

Acetone

Concen: 11.797 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN060552.D

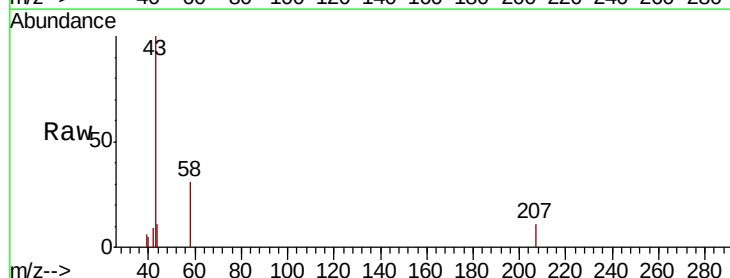
Acq: 17 Mar 2020 13:33

Tgt Ion: 43 Resp: 9813

Ion Ratio Lower Upper

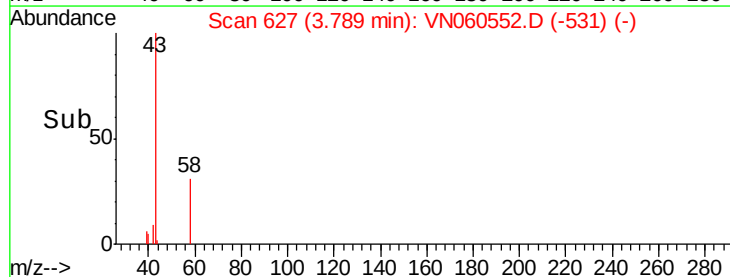
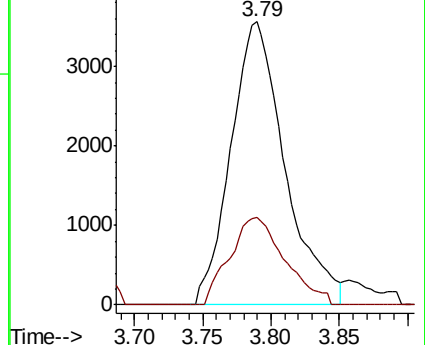
43 100

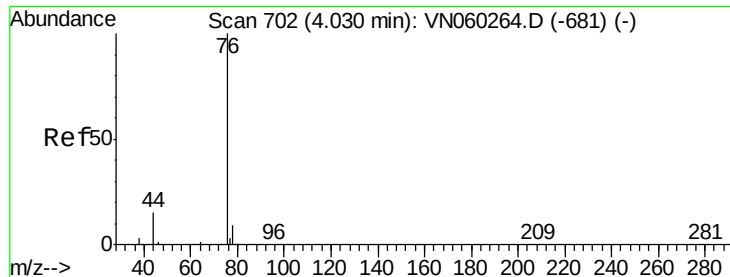
58 30.8 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN060264.D (-597) (-)

Ion 58.00 (57.70 to 58.70): VN060264.D (-597) (-)





#17

Carbon Disulfide

Concen: Below Cal

RT: 4.03 min Scan# 703

Delta R.T. 0.00 min

Lab File: VN060552.D

Acq: 17 Mar 2020 13:33

Instrument :

MSVOA_N

ClientSampleId :

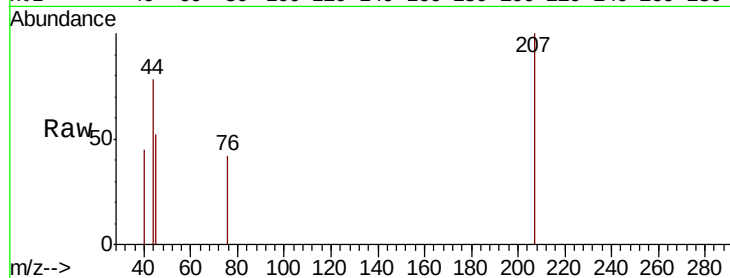
J+B-2A

Tot Ion: 76 Resp: 92

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

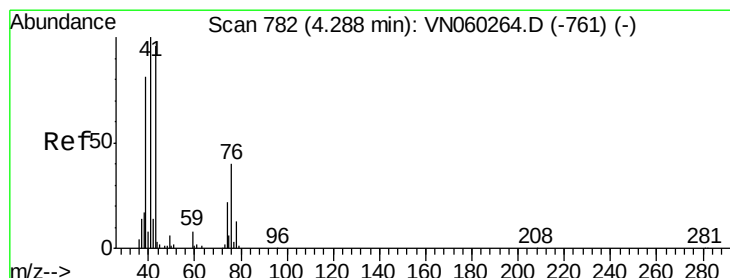
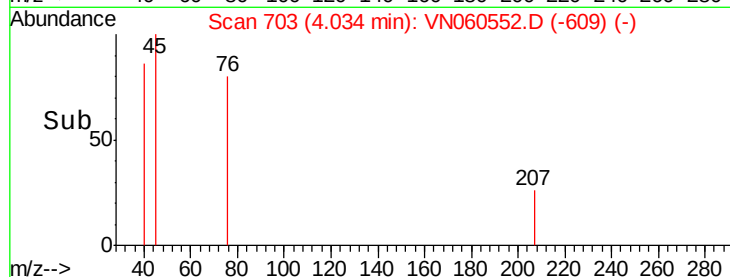
150

100

50

0

Time--> 4.02 4.03 4.04



#18

Methyl Acetate

Concen: 0.631 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.01 min

Lab File: VN060552.D

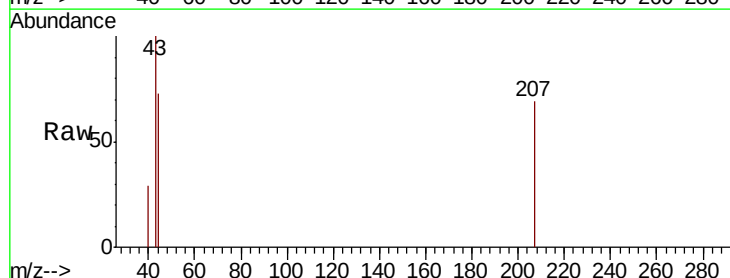
Acq: 17 Mar 2020 13:33

Tgt Ion: 43 Resp: 1752

Ion Ratio Lower Upper

43 100

74 5.3 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

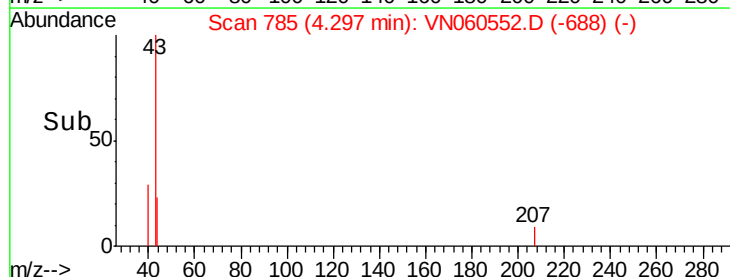
600

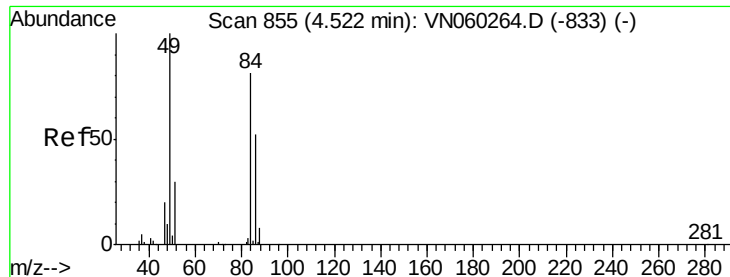
400

200

0

Time--> 4.25 4.30 4.35

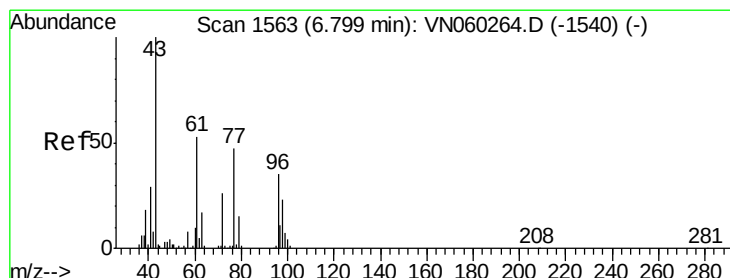
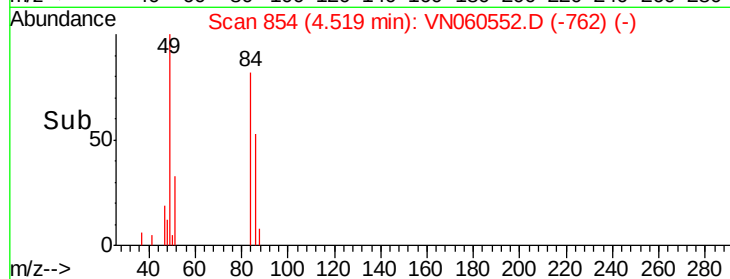
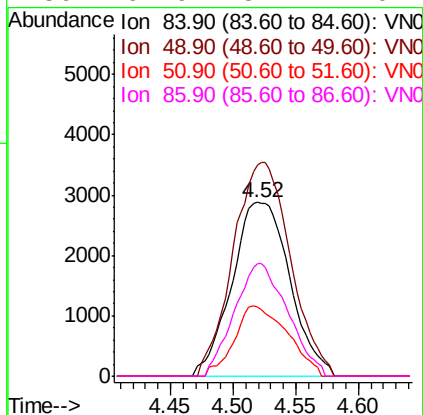
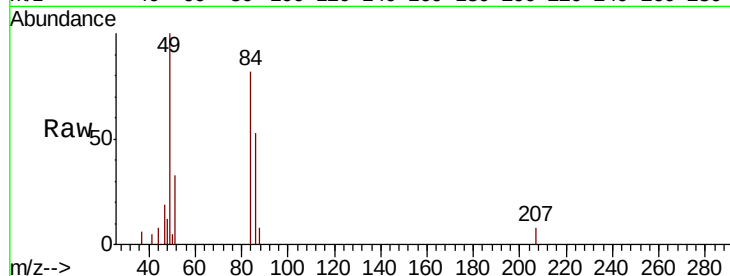




#20
Methylene Chloride
Concen: 4.043 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060552.D
Acq: 17 Mar 2020 13:33

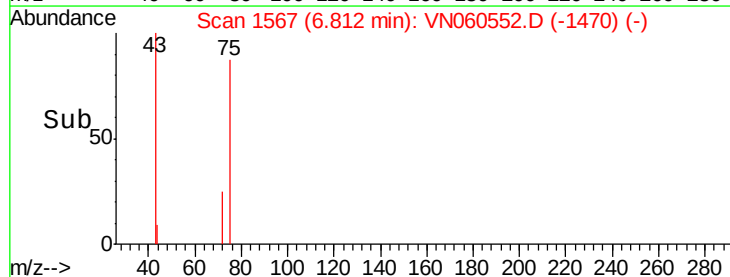
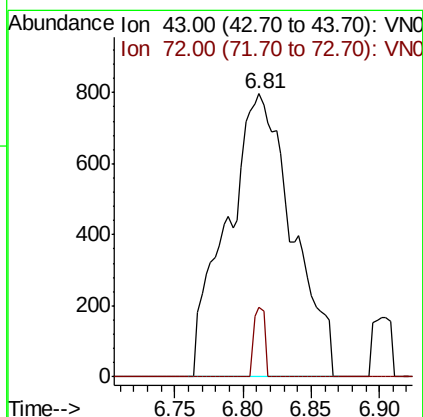
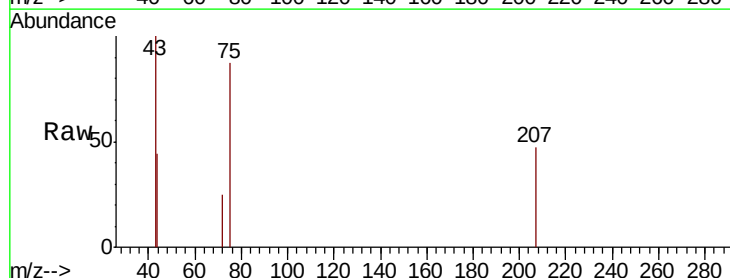
Instrument :
MSVOA_N
ClientSampled :
J+B-2A

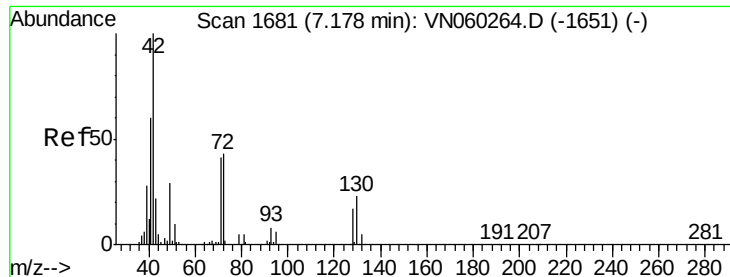
Tot Ion:	84	Resp:	9237
Ion	Ratio	Lower	Upper
84	100		
49	121.5	99.3	148.9
51	39.9	30.1	45.1
86	64.9	51.1	76.7



#25
2-Butanone
Concen: 1.982 ug/l
RT: 6.81 min Scan# 1567
Delta R.T. 0.01 min
Lab File: VN060552.D
Acq: 17 Mar 2020 13:33

Tgt Ion:	43	Resp:	2663
Ion	Ratio	Lower	Upper
43	100		
72	24.7	20.9	31.3





#29

Tetrahydrofuran

Concen: 0.396 ug/l

RT: 7.18 min Scan# 1683

Delta R.T. 0.01 min

Lab File: VN060552.D

Acq: 17 Mar 2020 13:33

Instrument :

MSVOA_N

ClientSampleId :

J+B-2A

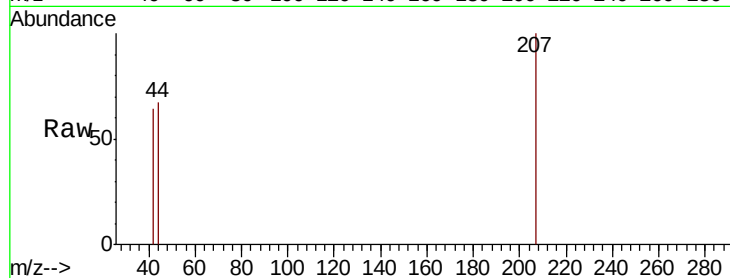
Tot Ion: 42 Resp: 370

Ion Ratio Lower Upper

42 100

72 0.0 34.6 52.0#

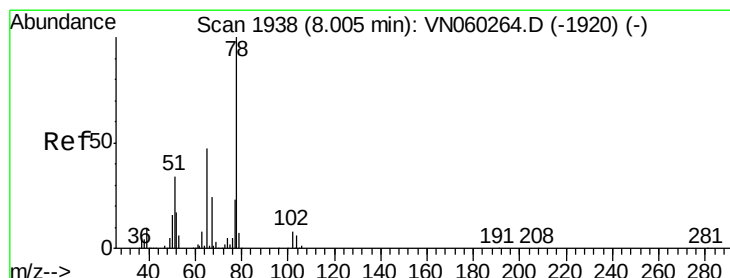
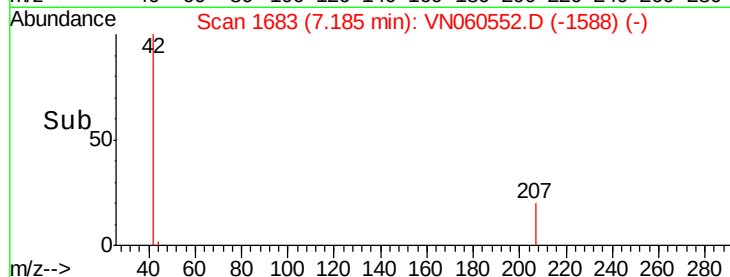
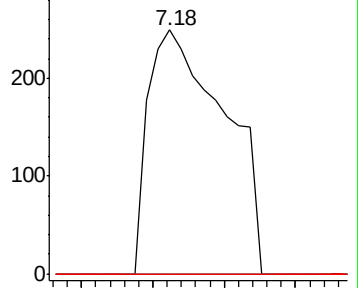
71 0.0 32.9 49.3#



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



#33

1,2-Dichloroethane-d4

Concen: 50.414 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN060552.D

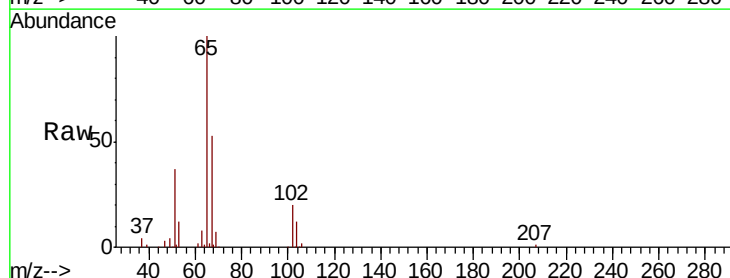
Acq: 17 Mar 2020 13:33

Tgt Ion: 65 Resp: 129863

Ion Ratio Lower Upper

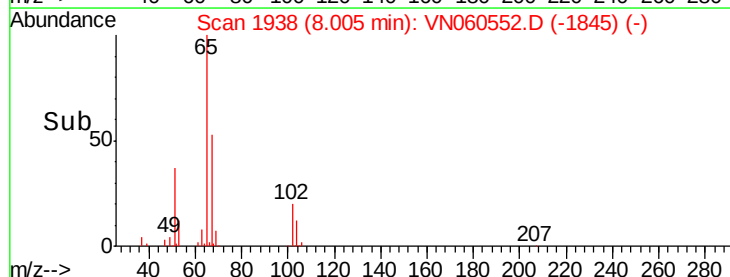
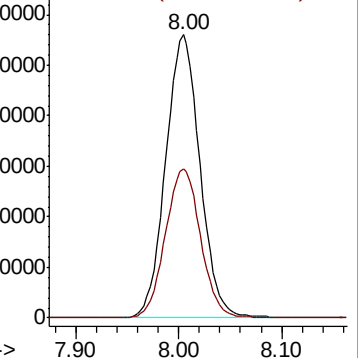
65 100

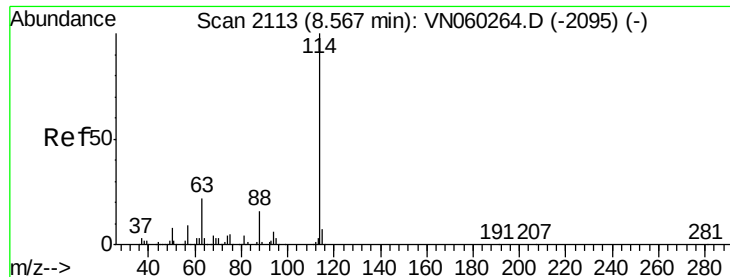
67 53.9 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

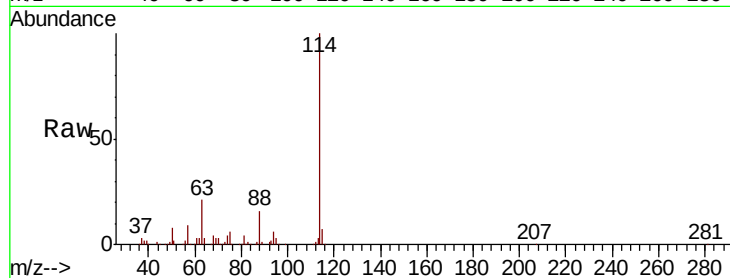




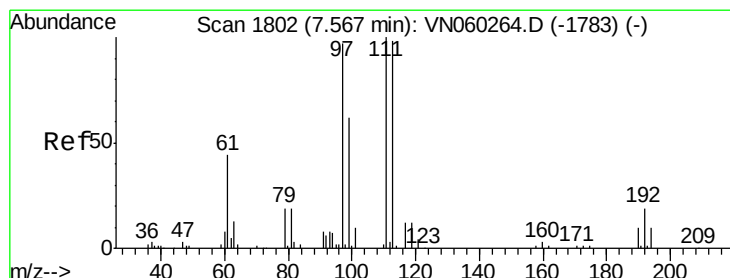
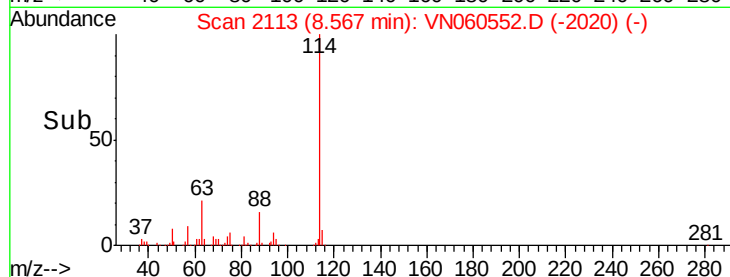
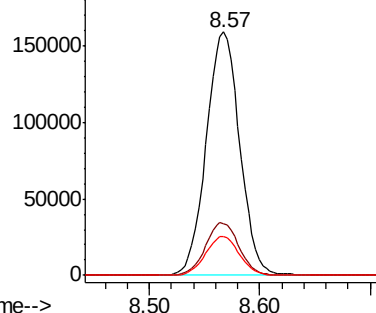
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.57 min Scan# 2113
Delta R.T. 0.00 min
Lab File: VN060552.D
Acq: 17 Mar 2020 13:33

Instrument :
MSVOA_N
ClientSampleId :
J+B-2A

Tot Ion:114 Resp: 333754
Ion Ratio Lower Upper
114 100
63 21.3 0.0 43.2
88 16.2 0.0 31.6

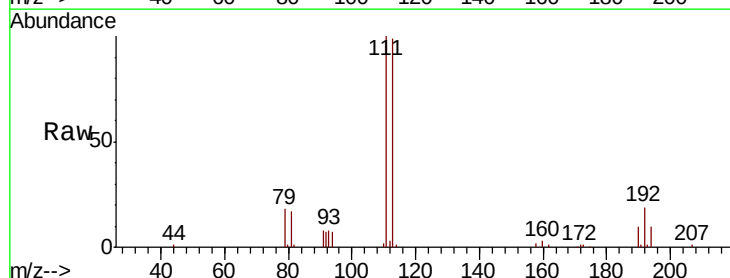


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

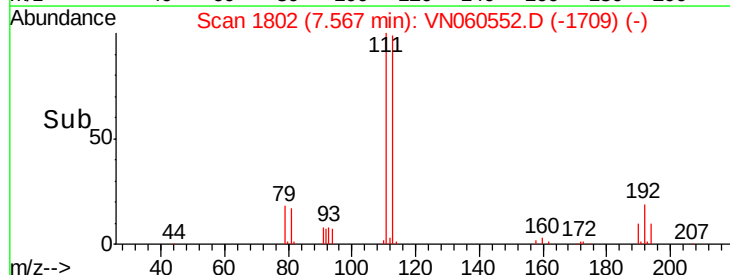
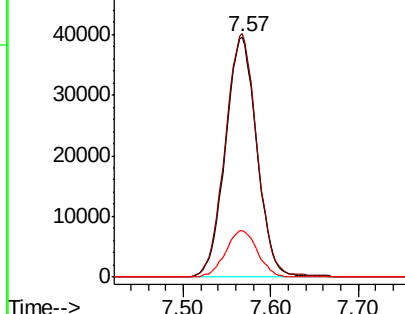


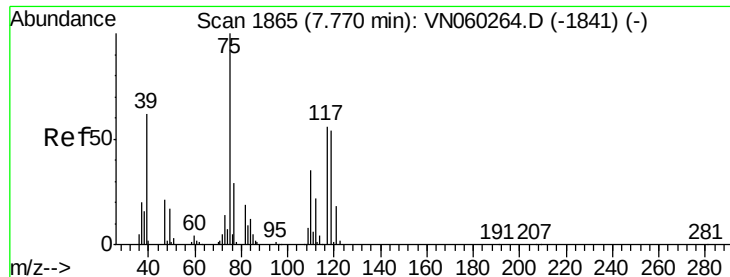
#35
Dibromofluoromethane
Concen: 63.676 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN060552.D
Acq: 17 Mar 2020 13:33

Tgt Ion:113 Resp: 98646
Ion Ratio Lower Upper
113 100
111 102.0 82.4 123.6
192 19.7 16.2 24.2



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





#36

1,1-Dichloropropene

Concen: 4.969 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.13 min

Lab File: VN060552.D

Acq: 17 Mar 2020 13:33

Instrument :

MSVOA_N

ClientSampleId :

J+B-2A

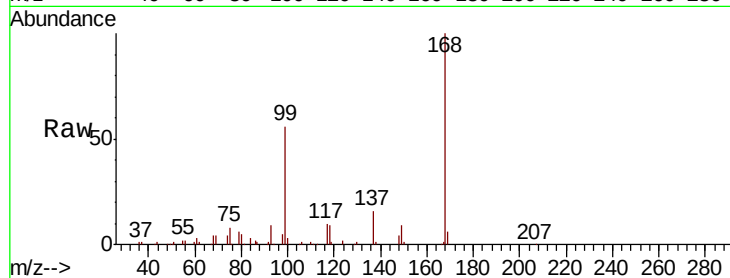
Tot Ion: 75 Resp: 15805

Ion Ratio Lower Upper

75 100

110 7.1 17.3 52.0#

77 0.0 24.2 36.2#

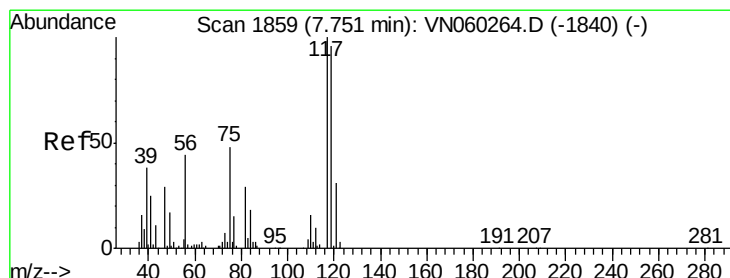
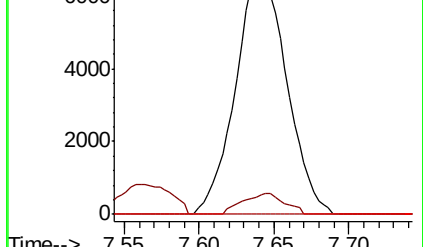
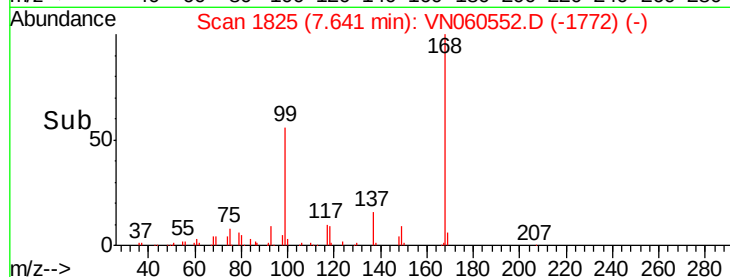


Abundance Ion 74.90 (74.60 to 75.60): VN060264.D (-1841) (-)

Ion 109.90 (109.60 to 110.60): VN060264.D (-1841) (-)

Ion 76.90 (76.60 to 77.60): VN060264.D (-1841) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 6.196 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN060552.D

Acq: 17 Mar 2020 13:33

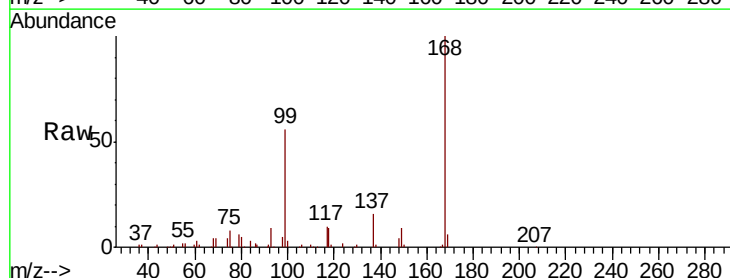
Tgt Ion: 117 Resp: 19190

Ion Ratio Lower Upper

117 100

119 5.2 76.7 115.1#

121 0.0 24.5 36.7#

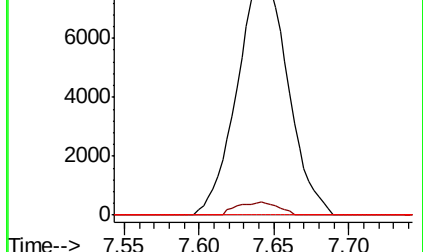
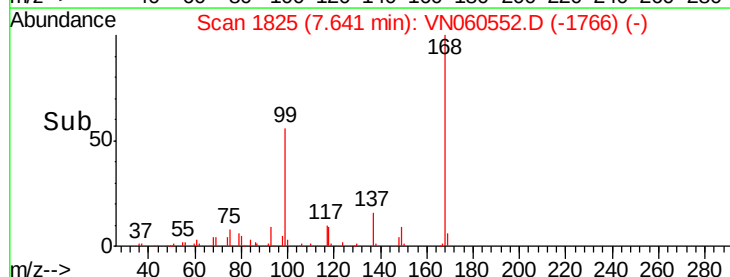


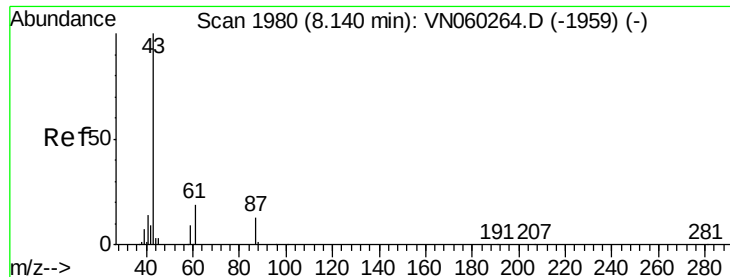
Abundance Ion 116.80 (116.50 to 117.50): VN060264.D (-1840) (-)

Ion 118.80 (118.50 to 119.50): VN060264.D (-1840) (-)

Ion 120.80 (120.50 to 121.50): VN060264.D (-1840) (-)

Time-->





#43

Isopropyl Acetate

Concen: 11.767 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060552.D

Acq: 17 Mar 2020 13:33

Instrument :

MSVOA_N

ClientSampled :

J+B-2A

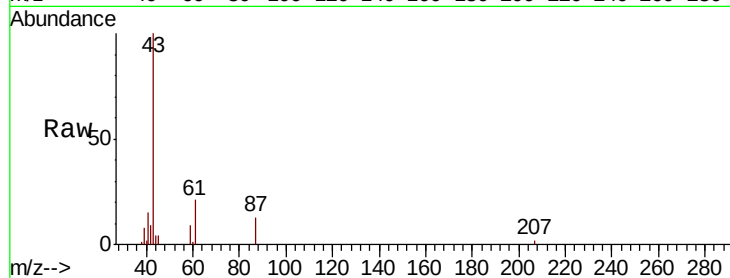
Tot Ion: 43 Resp: 62043

Ion Ratio Lower Upper

43 100

61 19.9 20.9 31.3#

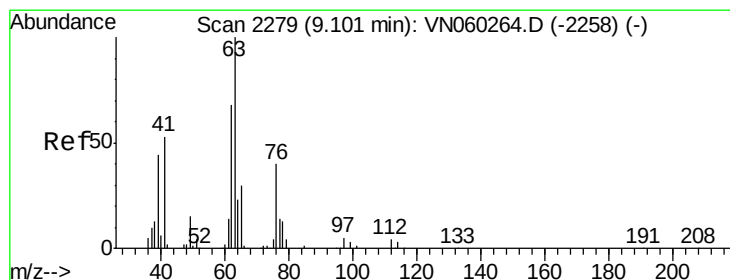
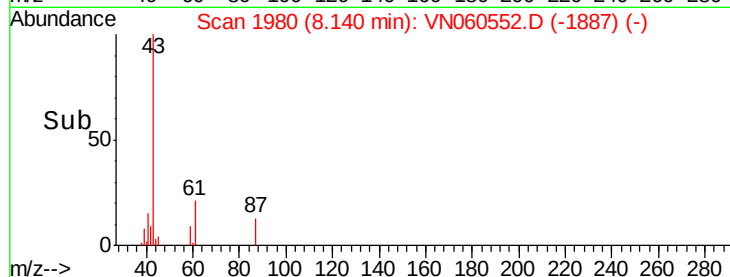
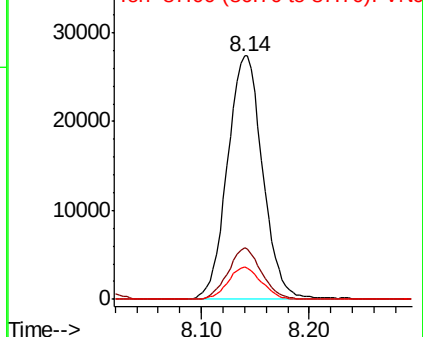
87 12.4 10.6 16.0



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

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

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



#45

1,2-Dichloropropane

Concen: 0.517 ug/l

RT: 9.25 min Scan# 2324

Delta R.T. 0.14 min

Lab File: VN060552.D

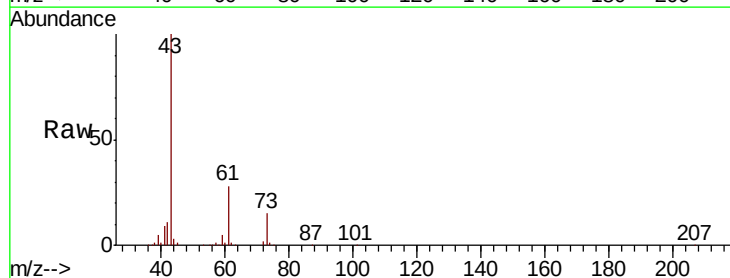
Acq: 17 Mar 2020 13:33

Tgt Ion: 63 Resp: 1252

Ion Ratio Lower Upper

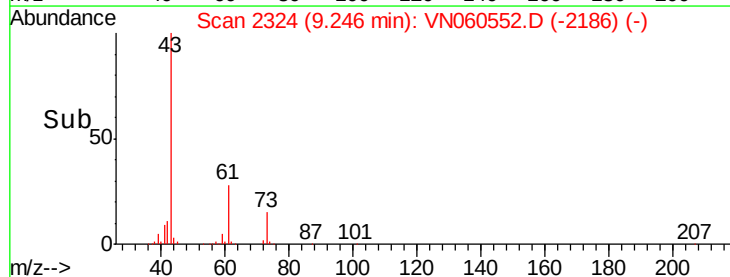
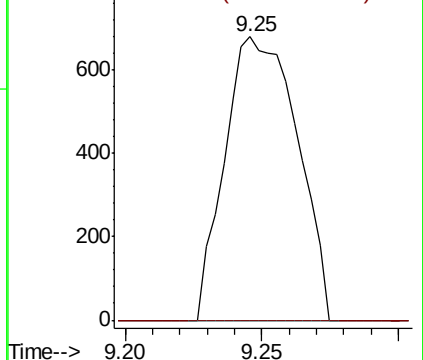
63 100

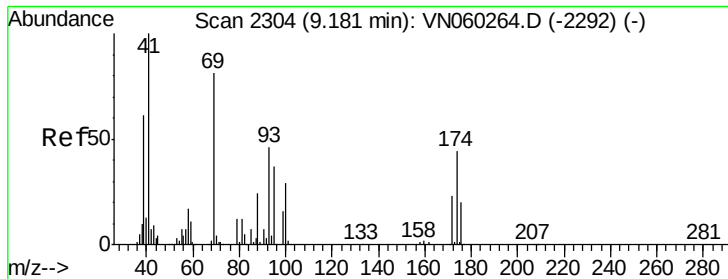
65 0.0 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VN060264.D (-2258) (-)

Ion 64.90 (64.60 to 65.60): VN060264.D (-2258) (-)

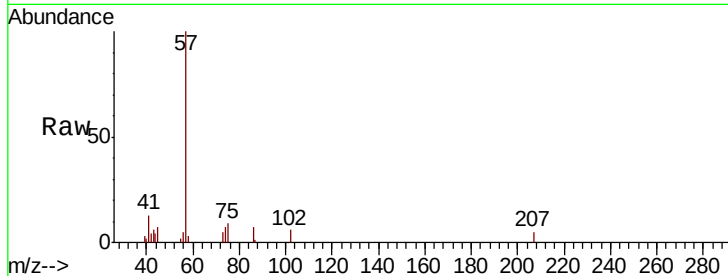




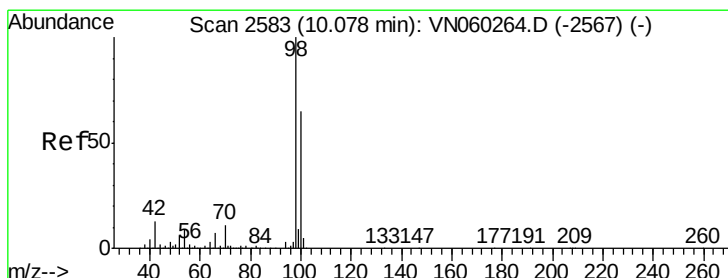
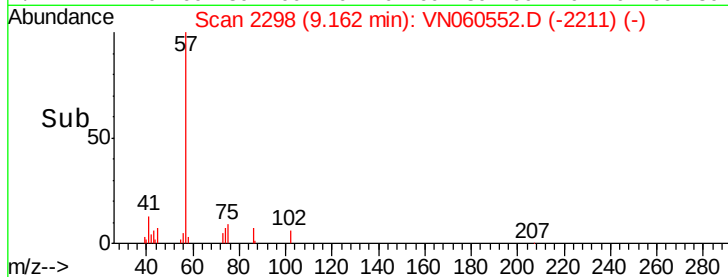
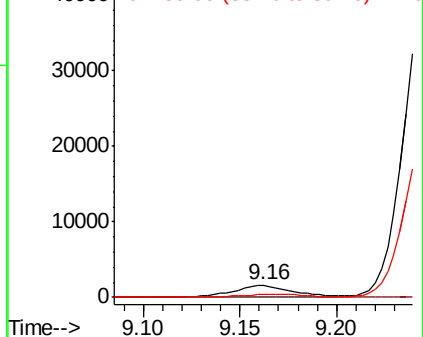
#48
Methvl methacrylate
Concen: 1.419 ug/l
RT: 9.16 min Scan# 2298
Delta R.T. -0.02 min
Lab File: VN060552.D
Acq: 17 Mar 2020 13:33

Instrument :
MSVOA_N
ClientSampled :
J+B-2A

Tot Ion: 41 Resp: 3413
Ion Ratio Lower Upper
41 100
69 0.0 66.7 100.1#
39 0.0 50.1 75.1#

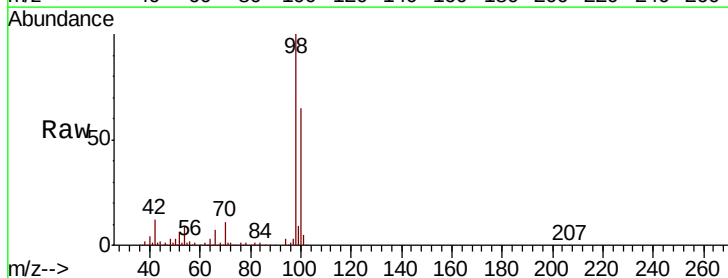


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

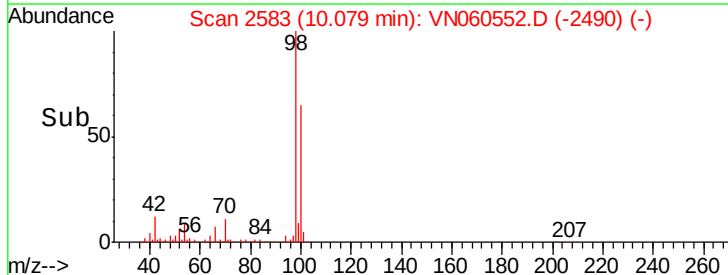
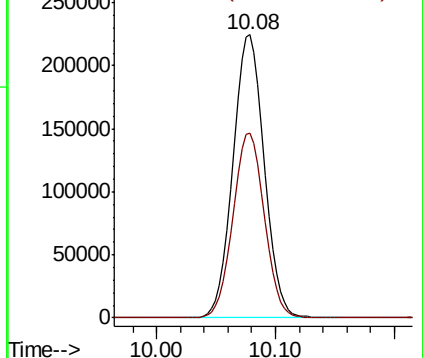


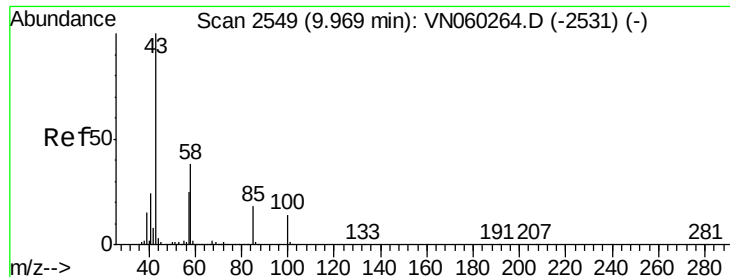
#50
Toluene-d8
Concen: 52.150 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060552.D
Acq: 17 Mar 2020 13:33

Tgt Ion: 98 Resp: 408889
Ion Ratio Lower Upper
98 100
100 65.5 52.2 78.2



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

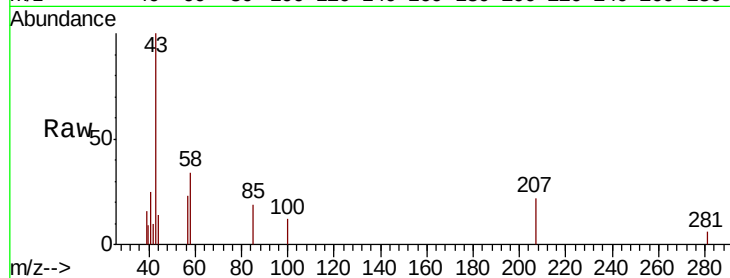




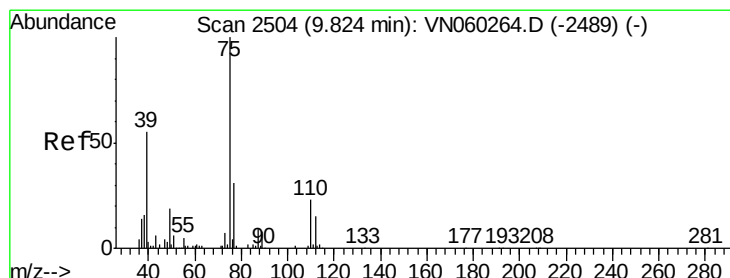
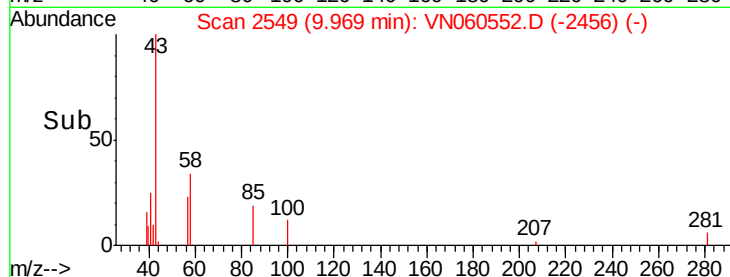
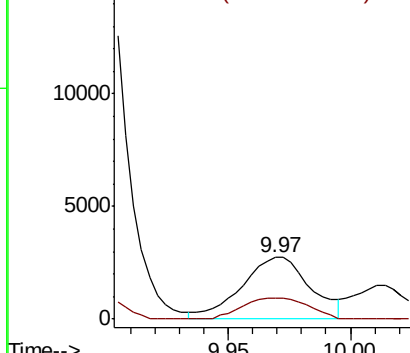
#51
 4-Methyl-2-Pentanone
 Concen: 1.796 ug/l
 RT: 9.97 min Scan# 2549
 Delta R.T. 0.00 min
 Lab File: VN060552.D
 Acq: 17 Mar 2020 13:33

Instrument :
 MSVOA_N
 ClientSampled :
 J+B-2A

Tot Ion: 43 Resp: 5370
 Ion Ratio Lower Upper
 43 100
 58 32.9 30.9 46.3

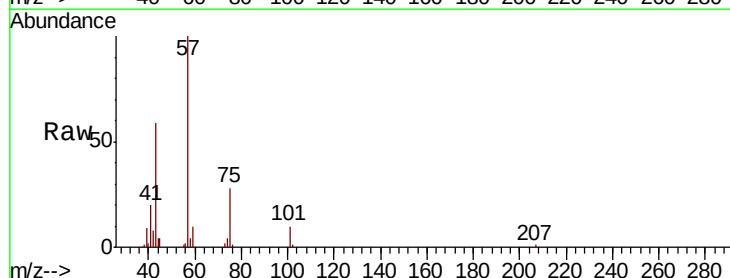


Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

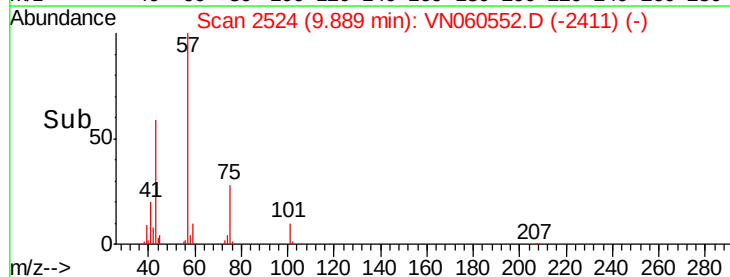
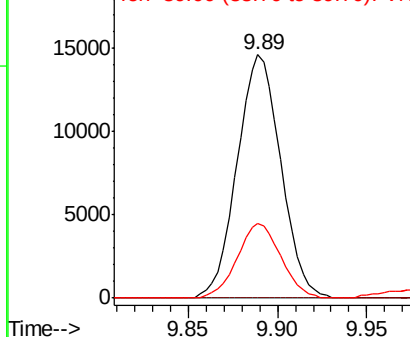


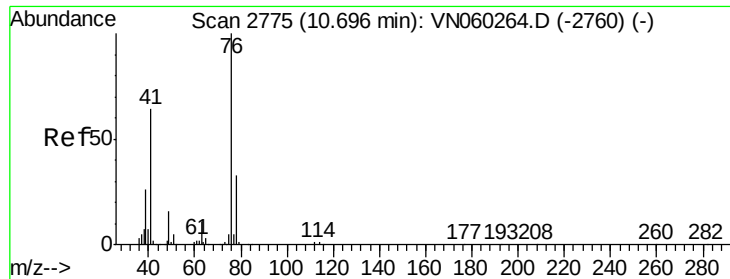
#54
 cis-1,3-Dichloropropene
 Concen: 6.171 ug/l
 RT: 9.89 min Scan# 2524
 Delta R.T. 0.06 min
 Lab File: VN060552.D
 Acq: 17 Mar 2020 13:33

Tgt Ion: 75 Resp: 25028
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.8 37.2#
 39 30.8 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

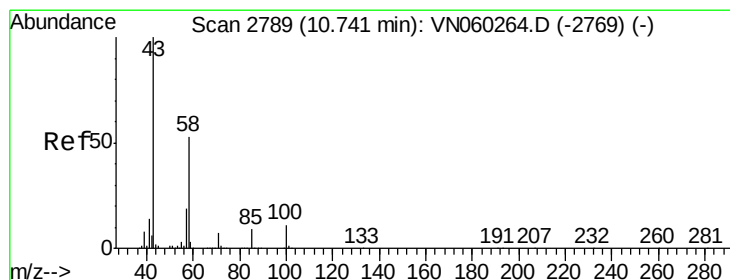
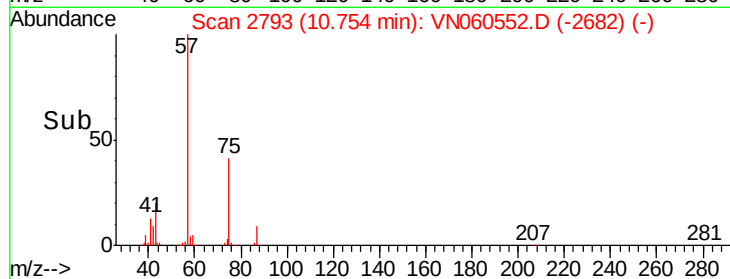
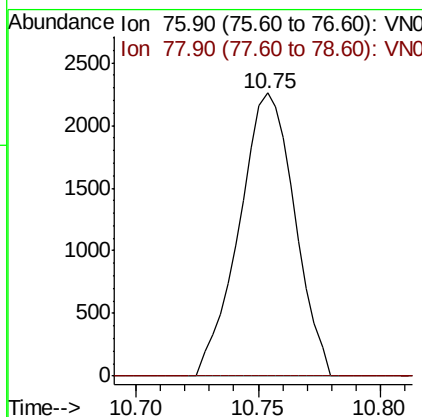
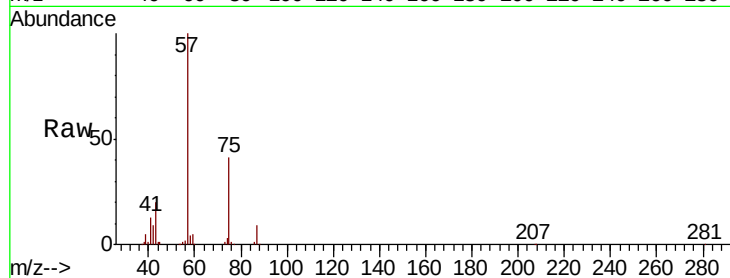




#57
 1,3-Dichloropropane
 Concen: 0.934 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.06 min
 Lab File: VN060552.D
 Acq: 17 Mar 2020 13:33

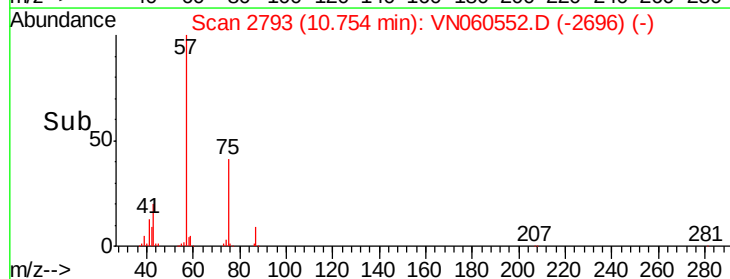
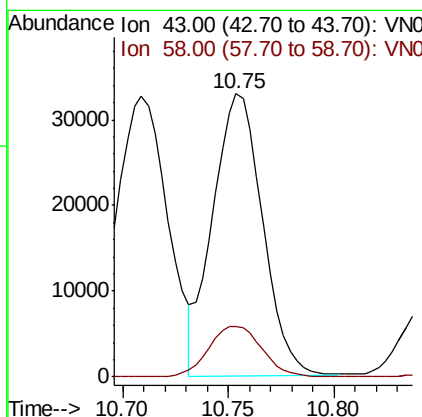
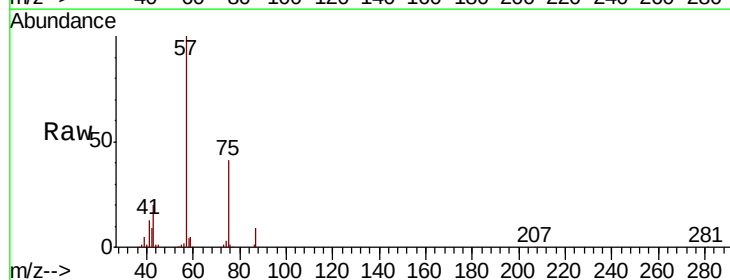
Instrument :
 MSVOA_N
 ClientSampled :
 J+B-2A

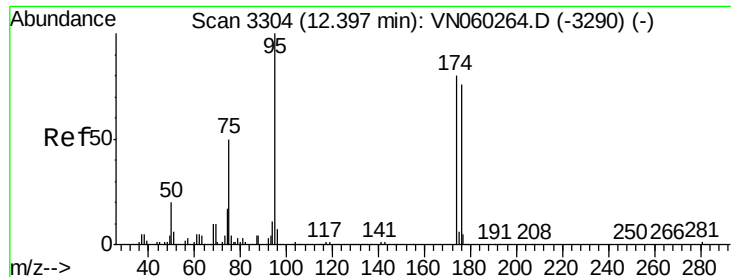
Tot Ion: 76 Resp: 3562
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.2#



#59
 2-Hexanone
 Concen: 24.578 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.01 min
 Lab File: VN060552.D
 Acq: 17 Mar 2020 13:33

Tgt Ion: 43 Resp: 53948
 Ion Ratio Lower Upper
 43 100
 58 19.2 26.5 79.5#





#62

4-Bromofluorobenzene

Concen: 51.307 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060552.D

Acq: 17 Mar 2020 13:33

Instrument :

MSVOA_N

ClientSampleId :

J+B-2A

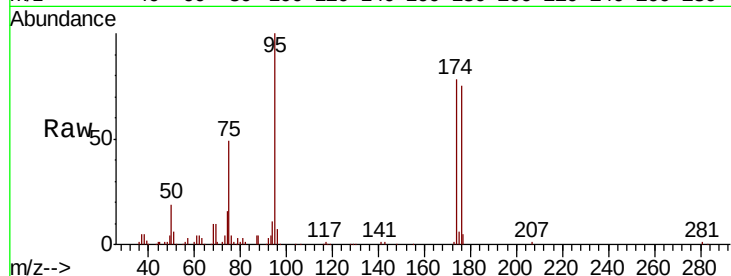
Tot Ion: 95 Resp: 152492

Ion Ratio Lower Upper

95 100

174 77.8 0.0 159.2

176 74.9 0.0 153.8

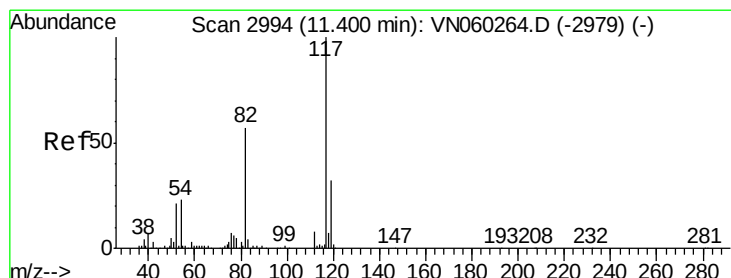
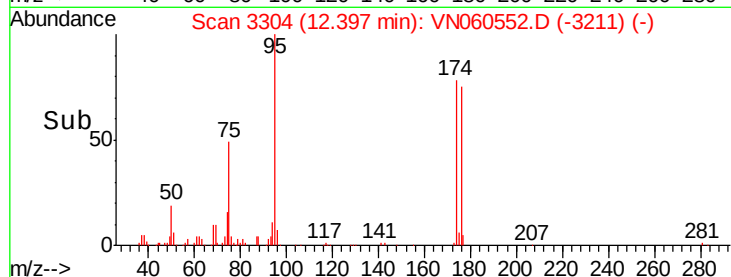
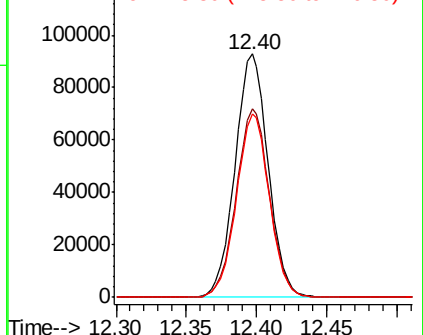


Abundance

Ion 94.90 (94.60 to 95.60): VN060552.D (-2901) (-)

Ion 173.80 (173.50 to 174.50): VN060552.D (-2901) (-)

Ion 175.80 (175.50 to 176.50): VN060552.D (-2901) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN060552.D

Acq: 17 Mar 2020 13:33

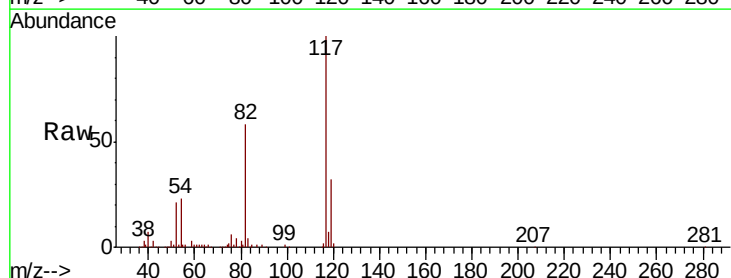
Tgt Ion: 117 Resp: 309450

Ion Ratio Lower Upper

117 100

82 57.7 45.8 68.6

119 31.9 25.8 38.8

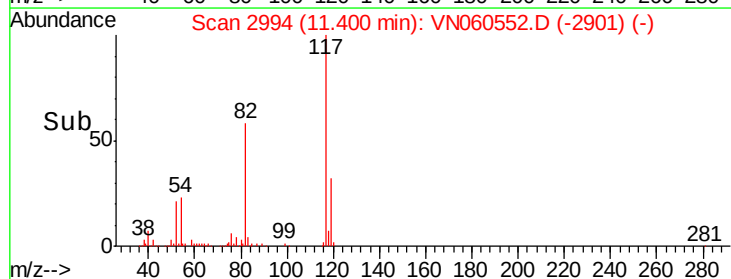
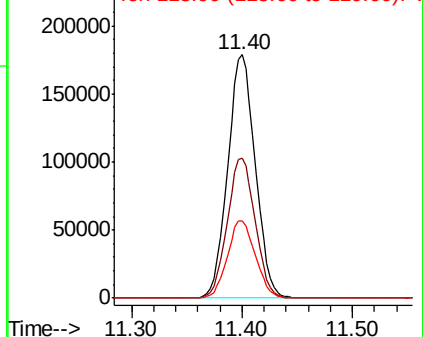


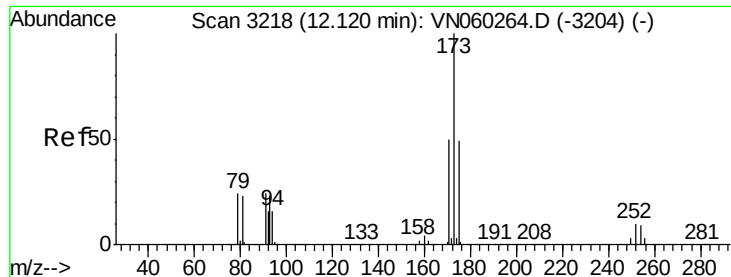
Abundance

Ion 116.90 (116.60 to 117.60): VN060552.D (-2901) (-)

Ion 82.00 (81.70 to 82.70): VN060552.D (-2901) (-)

Ion 118.90 (118.60 to 119.60): VN060552.D (-2901) (-)





#71

Bromoform

Concen: 0.488 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.28 min

Lab File: VN060552.D

Acq: 17 Mar 2020 13:33

Instrument :

MSVOA_N

ClientSampleId :

J+B-2A

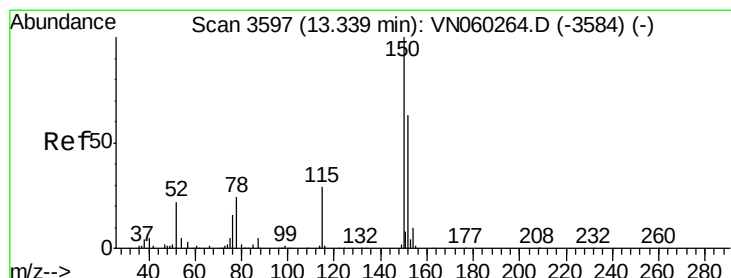
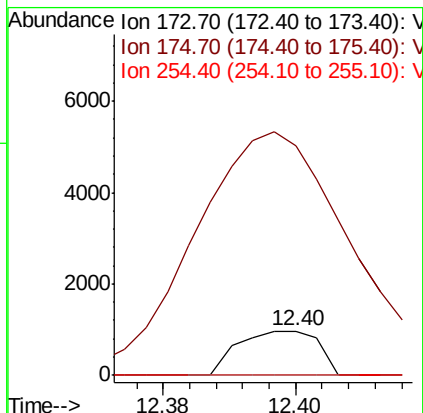
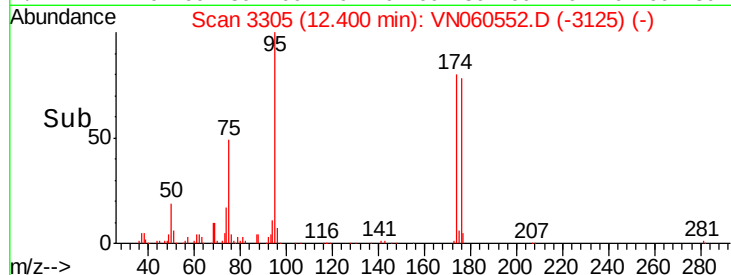
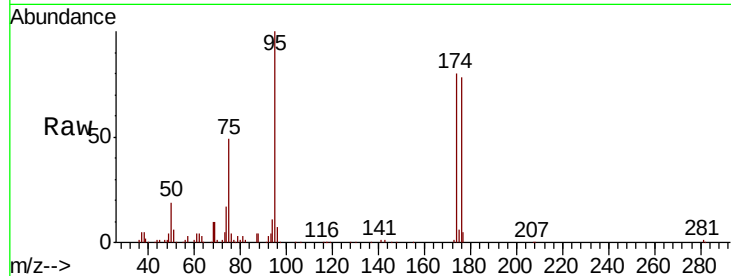
Tot Ion:173 Resp: 812

Ion Ratio Lower Upper

173 100

175 910.5 24.1 72.2#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060552.D

Acq: 17 Mar 2020 13:33

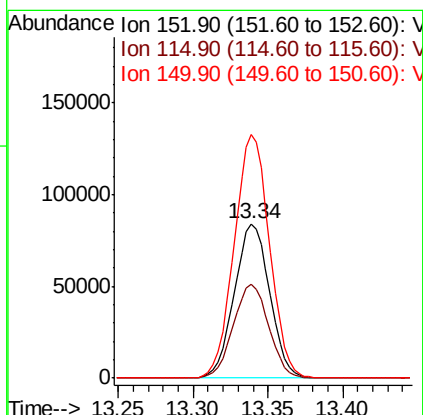
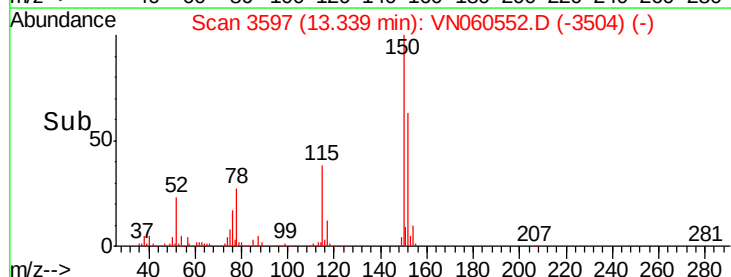
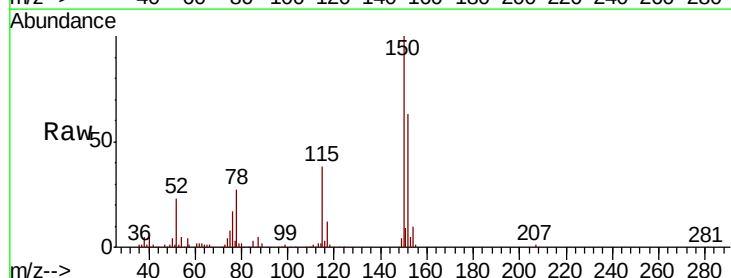
Tgt Ion:152 Resp: 138436

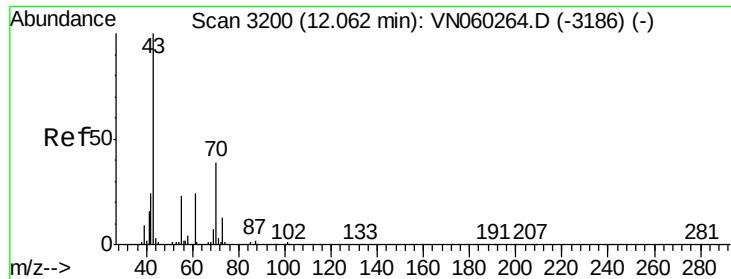
Ion Ratio Lower Upper

152 100

115 60.9 30.0 90.0

150 157.4 0.0 349.6

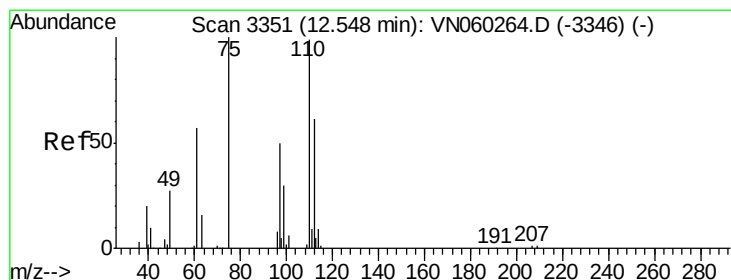
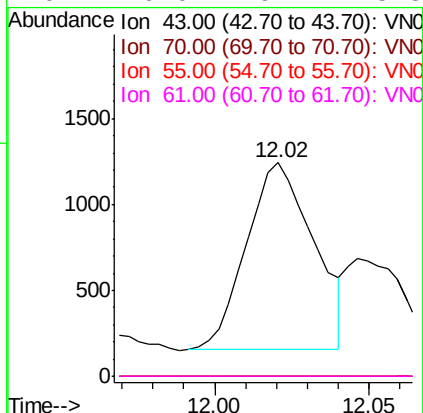
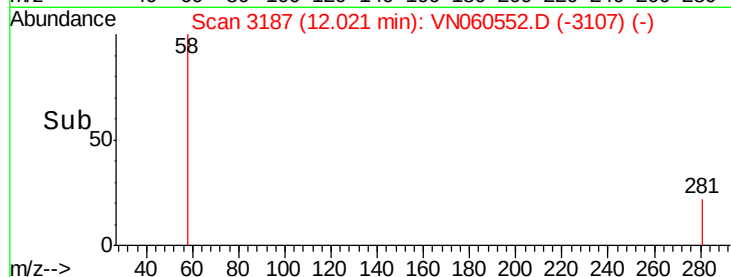
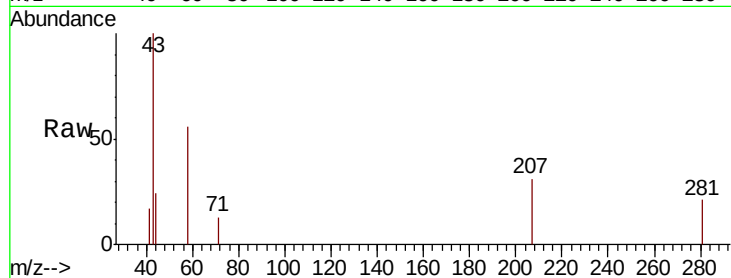




#74
N-amyl acetate
Concen: 0.367 ug/l
RT: 12.02 min Scan# 3187
Delta R.T. -0.04 min
Lab File: VN060552.D
Acq: 17 Mar 2020 13:33

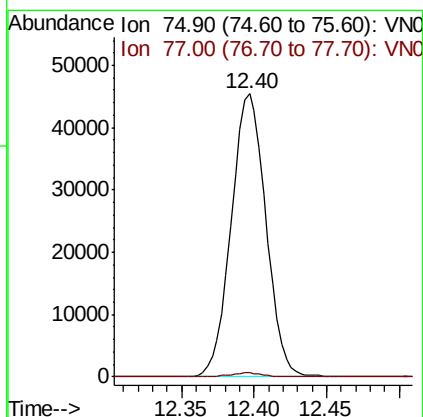
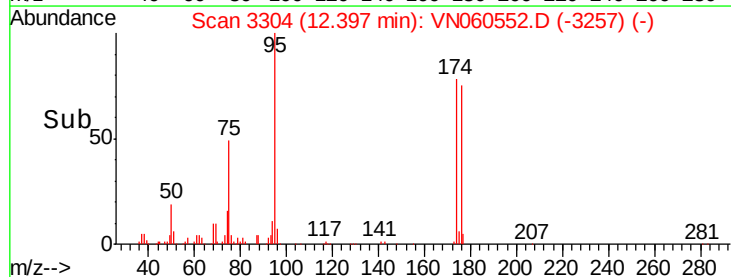
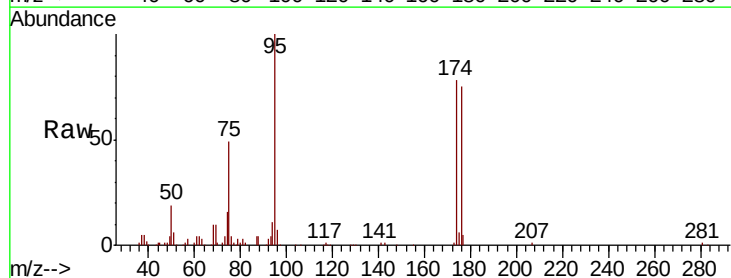
Instrument :
MSVOA_N
ClientSampleId :
J+B-2A

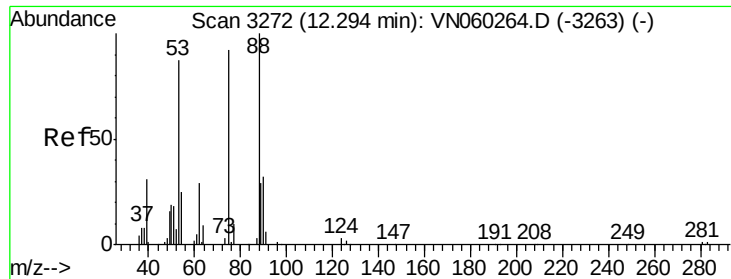
Tot Ion:	43	Resp:	1647
Ion	Ratio	Lower	Upper
43	100		
70	0.0	32.2	48.2#
55	0.0	18.2	27.4#
61	0.0	19.2	28.8#



#76
1,2,3-Trichloropropane
Concen: 24.852 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.15 min
Lab File: VN060552.D
Acq: 17 Mar 2020 13:33

Tgt Ion:	75	Resp:	75484
Ion	Ratio	Lower	Upper
75	100		
77	1.3	0.0	0.0#

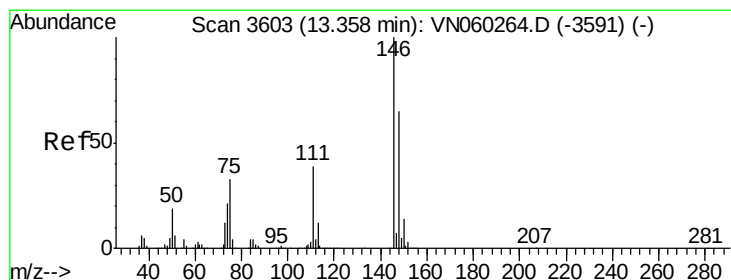
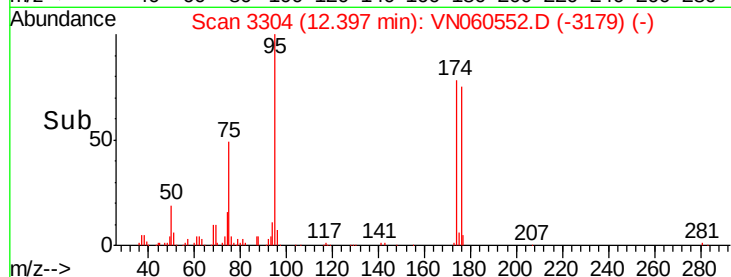
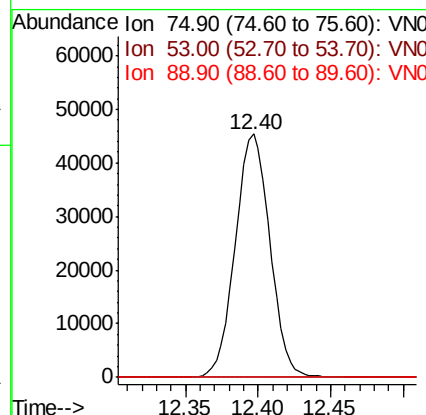
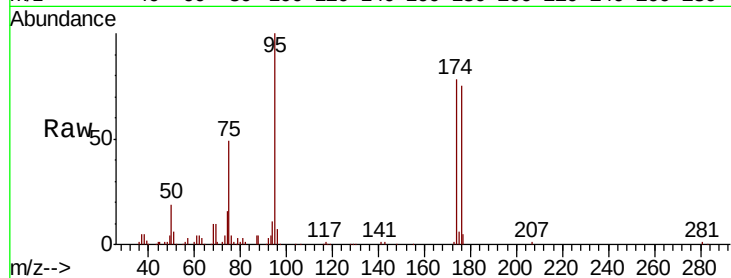




#81
trans-1,4-Dichloro-2-butene
Concen: 68.604 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.10 min
Lab File: VN060552.D
Acq: 17 Mar 2020 13:33

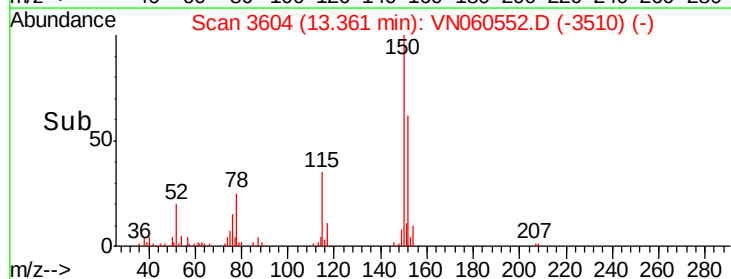
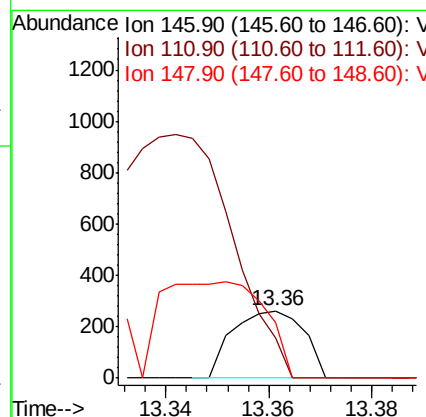
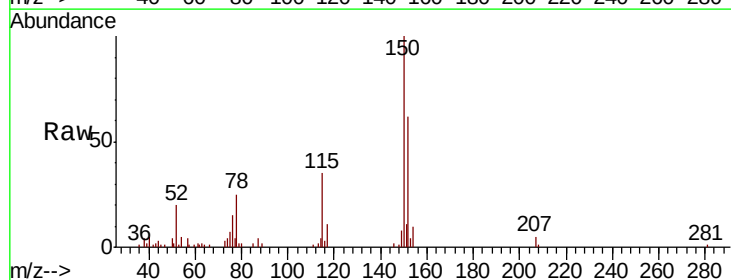
Instrument :
MSVOA_N
ClientSampled :
J+B-2A

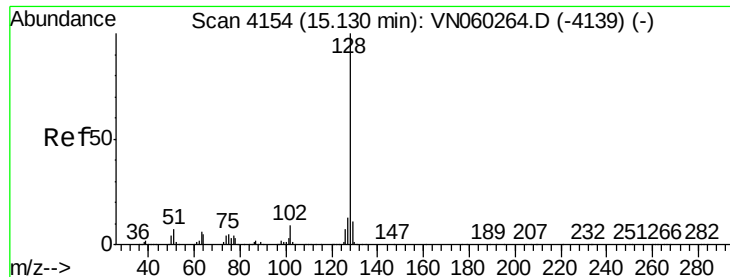
Tot Ion: 75 Resp: 75484
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 57.1 85.7#



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.36 min Scan# 3604
Delta R.T. 0.00 min
Lab File: VN060552.D
Acq: 17 Mar 2020 13:33

Tgt Ion: 146 Resp: 249
Ion Ratio Lower Upper
146 100
111 671.9 19.8 59.4#
148 225.7 32.3 96.9#





#95

Naphthalene

Concen: Below Cal

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN060552.D

Acq: 17 Mar 2020 13:33

Instrument :

MSVOA_N

ClientSampleId :

J+B-2A

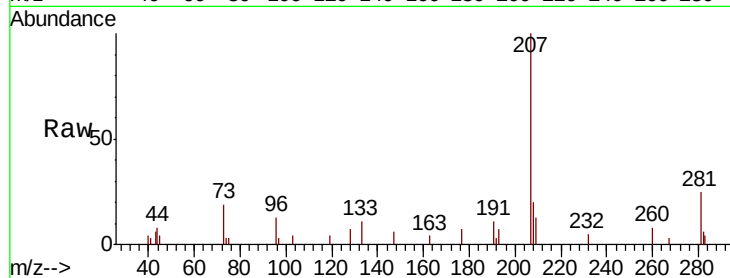
Tot Ion:128 Resp: 556

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

