

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031720\
 Data File : VN060550.D
 Acq On : 17 Mar 2020 12:47
 Operator : JC/MD
 Sample : L1943-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-8A

Quant Time: Mar 18 06:42:45 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	202287	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	335595	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	309674	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	136043	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	129983	50.08	ug/l	0.00
Spiked Amount			Recovery	=	100.16%	
35) Dibromofluoromethane	7.56	113	98469	63.21	ug/l	0.00
Spiked Amount			Recovery	=	126.42%	
50) Toluene-d8	10.08	98	415580	52.71	ug/l	0.00
Spiked Amount			Recovery	=	105.42%	
62) 4-Bromofluorobenzene	12.40	95	151323	50.63	ug/l	0.00
Spiked Amount			Recovery	=	101.26%	

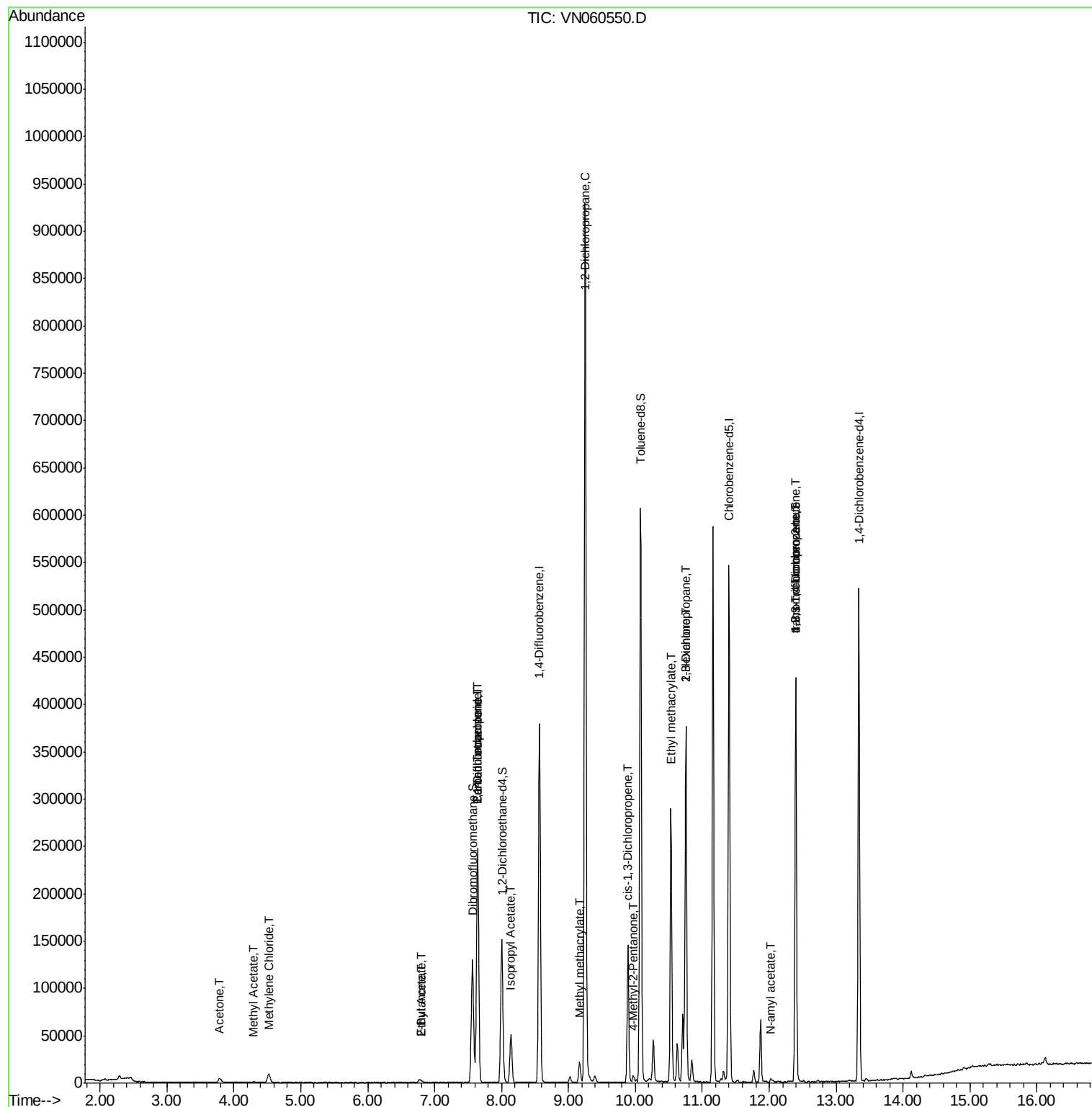
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	8767	10.460	ug/l	96
17) Carbon Disulfide	4.04	76	199	Below Cal	#	75
18) Methyl Acetate	4.30	43	1822	0.651	ug/l #	52
20) Methylene Chloride	4.53	84	6891	2.994	ug/l	97
25) 2-Butanone	6.81	43	2531	1.870	ug/l #	49
31) Cyclohexane	7.64	56	4375	Below Cal	#	1
36) 1,1-Dichloropropene	7.64	75	15429	4.824	ug/l #	49
37) Ethyl Acetate	6.81	43	2531	0.836	ug/l #	68
38) Carbon Tetrachloride	7.64	117	19456	6.248	ug/l #	16
43) Isopropyl Acetate	8.14	43	61901	11.675	ug/l #	91
45) 1,2-Dichloropropane	9.25	63	1085	0.446	ug/l #	44
48) Methyl methacrylate	9.16	41	3232	1.337	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	5364	1.784	ug/l	93
54) cis-1,3-Dichloropropene	9.89	75	25345	6.215	ug/l #	59
56) Ethyl methacrylate	10.53	69	681	0.202	ug/l #	1
57) 1,3-Dichloropropane	10.75	76	3943	1.028	ug/l #	42
59) 2-Hexanone	10.75	43	56591	25.640	ug/l #	52
74) N-amyl acetate	12.02	43	2272	0.516	ug/l #	44
76) 1,2,3-Trichloropropane	12.40	75	76769	25.720	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	76769	70.999	ug/l #	8
87) 1,3-Dichlorobenzene	13.28	146	137	Below Cal	#	25
88) 1,4-Dichlorobenzene	13.36	146	238	Below Cal	#	1
95) Naphthalene	15.13	128	1007	Below Cal	#	69
96) 1,2,3-Trichlorobenzene	15.31	180	261	Below Cal	#	76

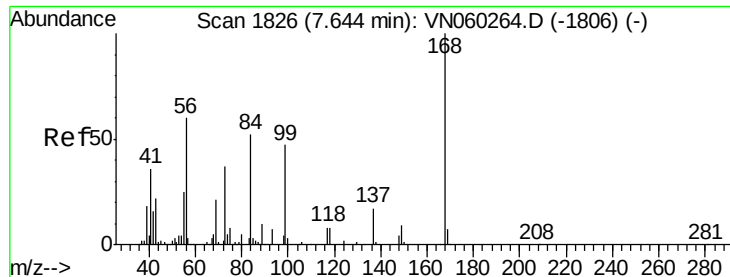
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN060550.D

Acq: 17 Mar 2020 12:47

Instrument :

MSVOA_N

ClientSampleId :

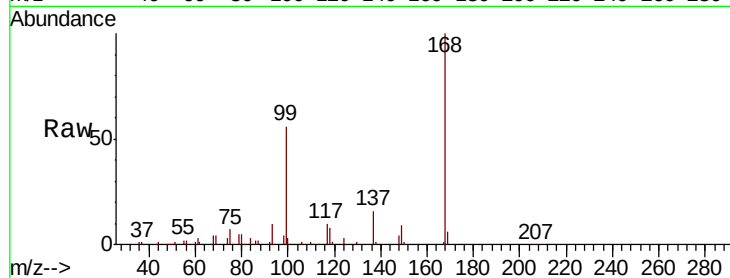
TP-8A

Tot Ion:168 Resp: 202287

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

7.64

80000

60000

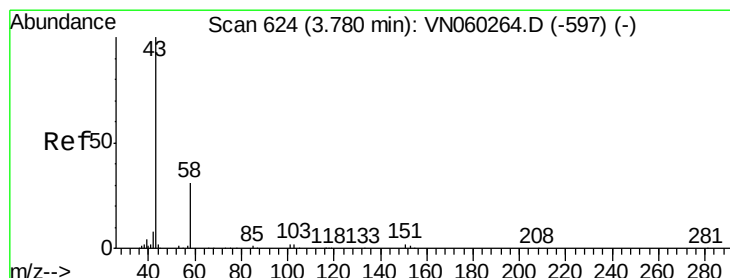
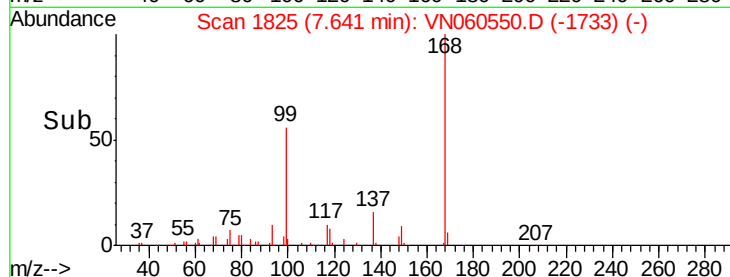
40000

20000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#16

Acetone

Concen: 10.460 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN060550.D

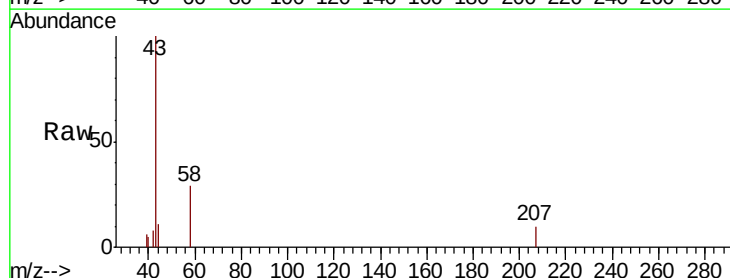
Acq: 17 Mar 2020 12:47

Tgt Ion: 43 Resp: 8767

Ion Ratio Lower Upper

43 100

58 28.6 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.79

3000

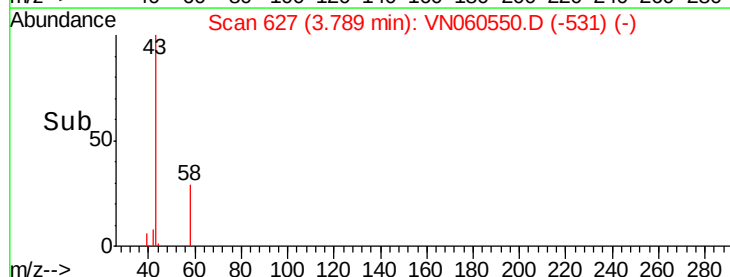
2000

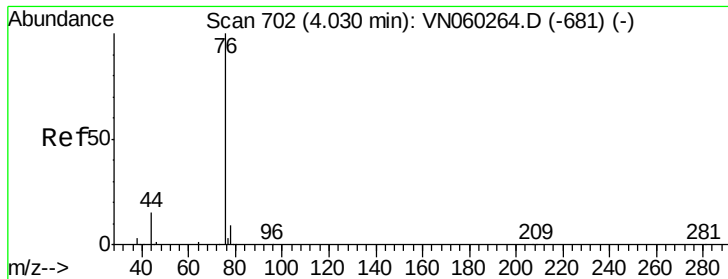
1000

0

3.70 3.75 3.80 3.85

Time-->





#17

Carbon Disulfide

Concen: Below Cal

RT: 4.04 min Scan# 704

Delta R.T. 0.01 min

Lab File: VN060550.D

Acq: 17 Mar 2020 12:47

Instrument :

MSVOA_N

ClientSampled :

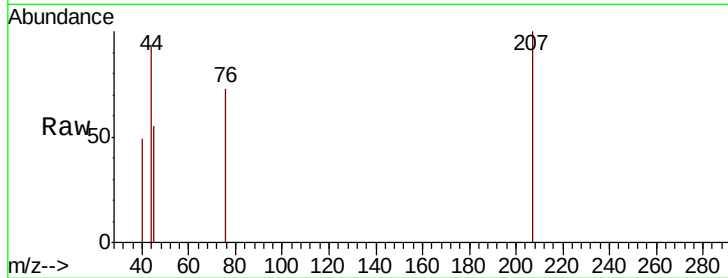
TP-8A

Tot Ion: 76 Resp: 199

Ion Ratio Lower Upper

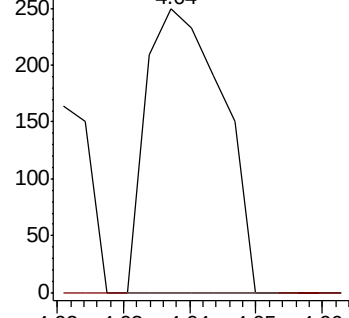
76 100

78 0.0 7.4 11.0#

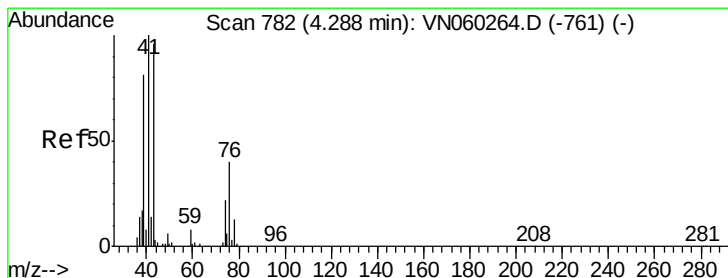
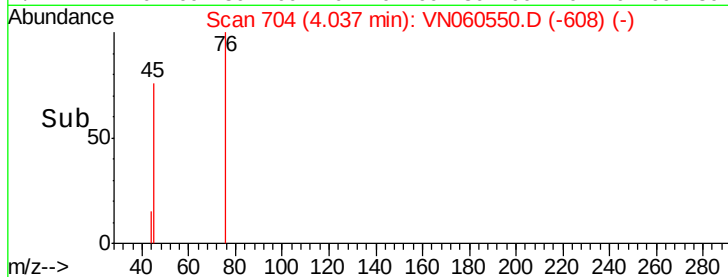


Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



Time-->



#18

Methyl Acetate

Concen: 0.651 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.02 min

Lab File: VN060550.D

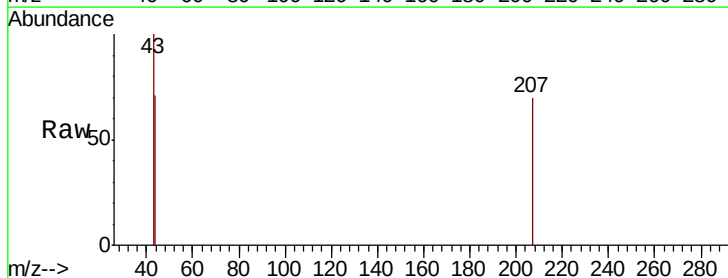
Acq: 17 Mar 2020 12:47

Tgt Ion: 43 Resp: 1822

Ion Ratio Lower Upper

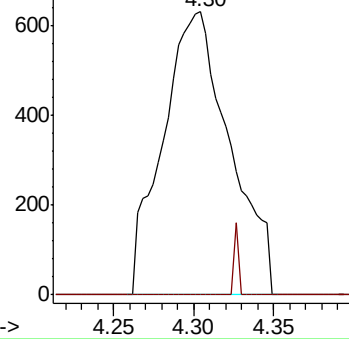
43 100

74 0.0 18.8 28.2#

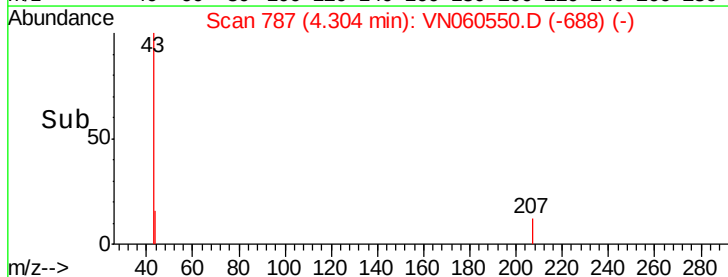


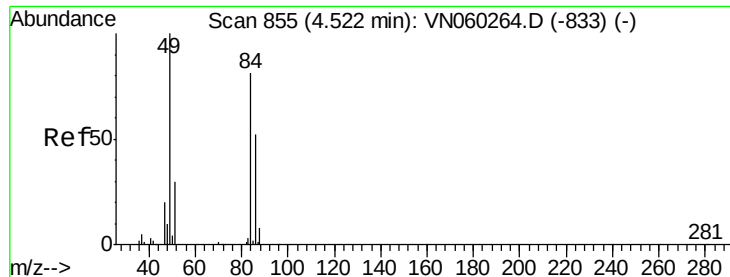
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0



Time-->

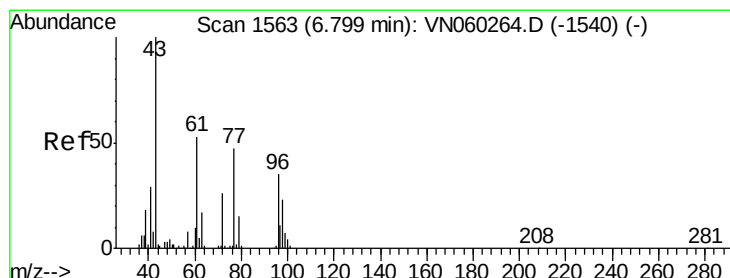
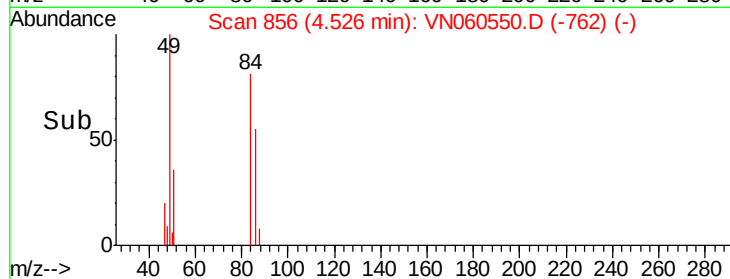
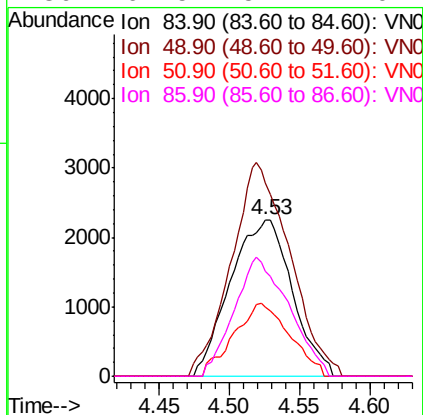
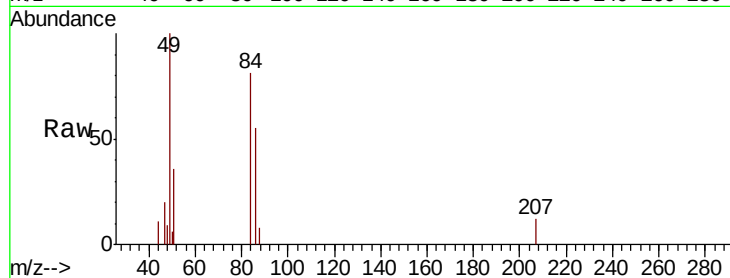




#20
Methylene Chloride
Concen: 2.994 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN060550.D
Acq: 17 Mar 2020 12:47

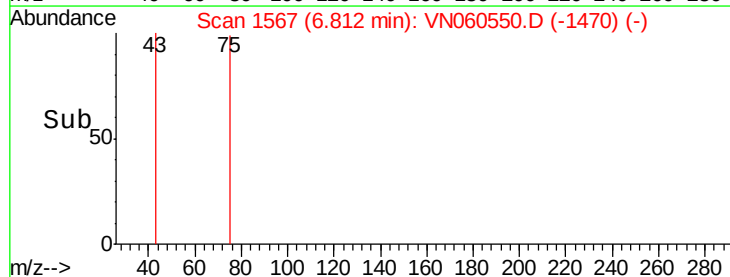
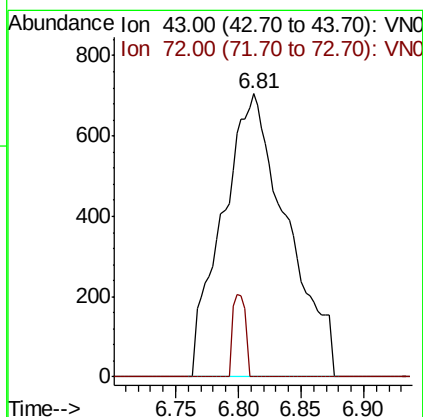
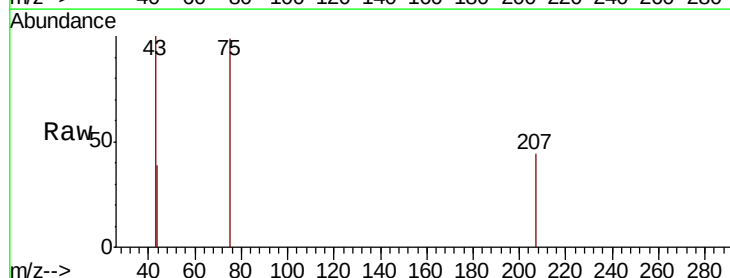
Instrument :
MSVOA_N
ClientSampled :
TP-8A

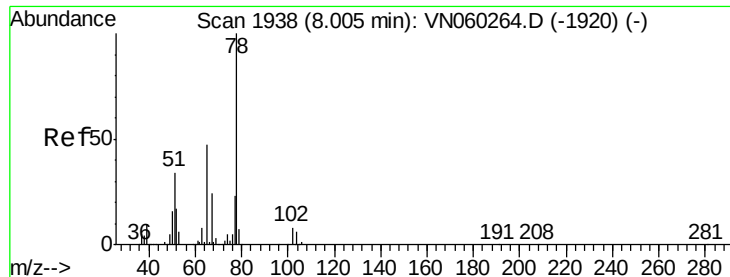
Tot Ion:	84	Resp:	6891
Ion	Ratio	Lower	Upper
84	100		
49	123.7	99.3	148.9
51	44.5	30.1	45.1
86	67.5	51.1	76.7



#25
2-Butanone
Concen: 1.870 ug/l
RT: 6.81 min Scan# 1567
Delta R.T. 0.01 min
Lab File: VN060550.D
Acq: 17 Mar 2020 12:47

Tgt Ion:	43	Resp:	2531
Ion	Ratio	Lower	Upper
43	100		
72	0.0	20.9	31.3#

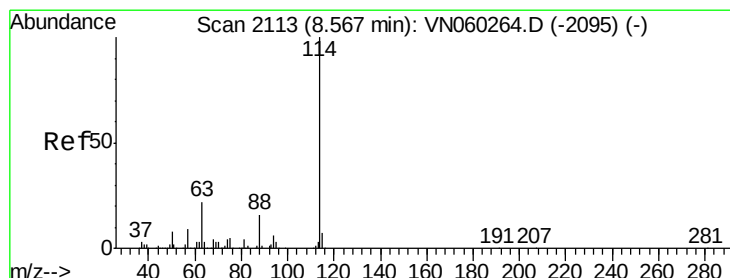
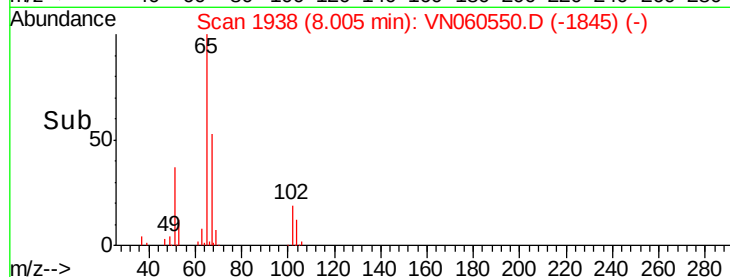
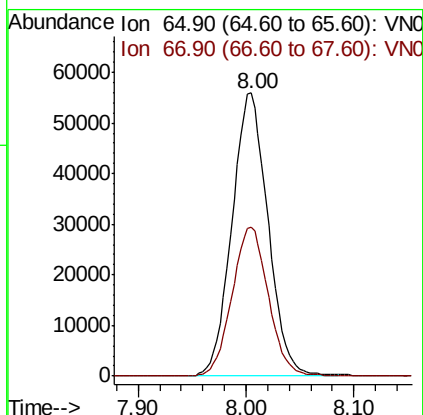
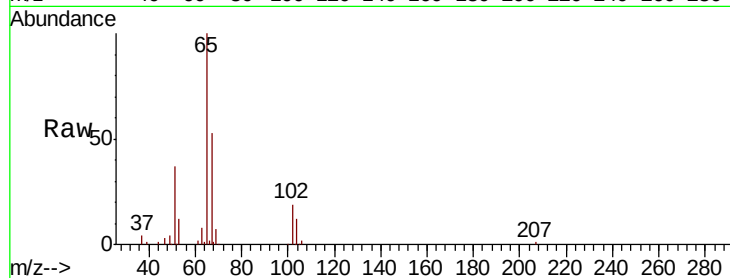




#33
 1,2-Dichloroethane-d4
 Concen: 50.083 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN060550.D
 Acq: 17 Mar 2020 12:47

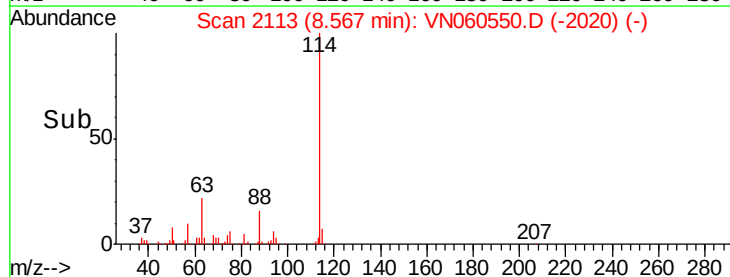
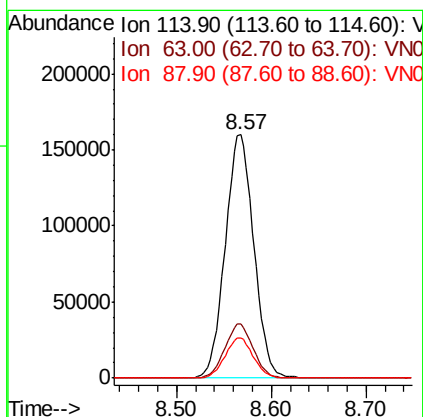
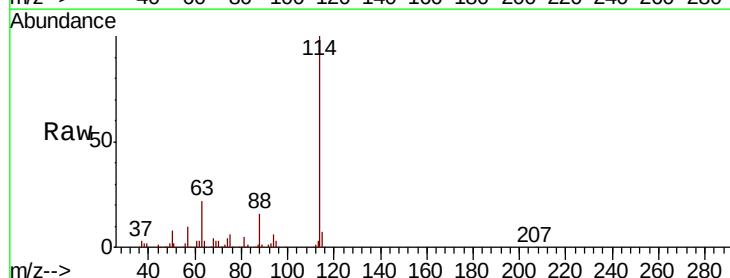
Instrument :
 MSVOA_N
 ClientSampled :
 TP-8A

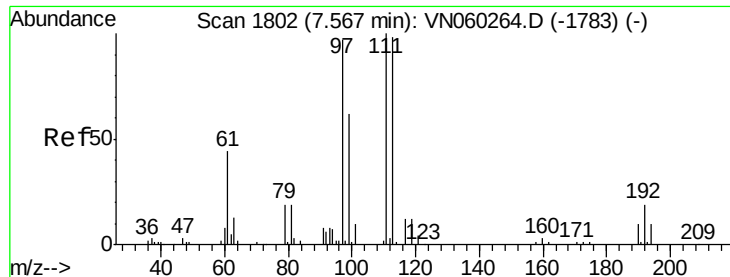
Tot Ion: 65 Resp: 129983
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060550.D
 Acq: 17 Mar 2020 12:47

Tgt Ion: 114 Resp: 335595
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 43.2
 88 16.5 0.0 31.6





#35

Dibromofluoromethane

Concen: 63.213 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN060550.D

Acq: 17 Mar 2020 12:47

Instrument :

MSVOA_N

ClientSampled :

TP-8A

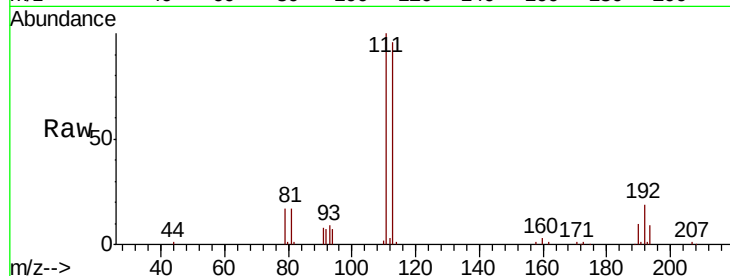
Tot Ion:113 Resp: 98469

Ion Ratio Lower Upper

113 100

111 103.5 82.4 123.6

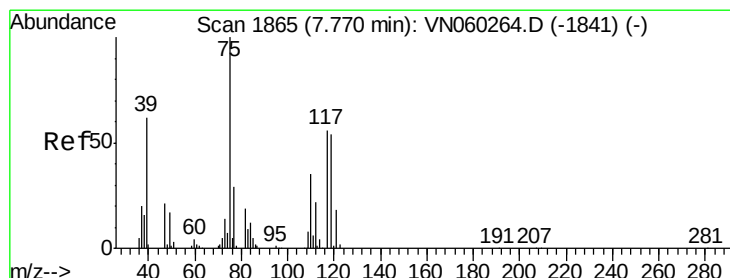
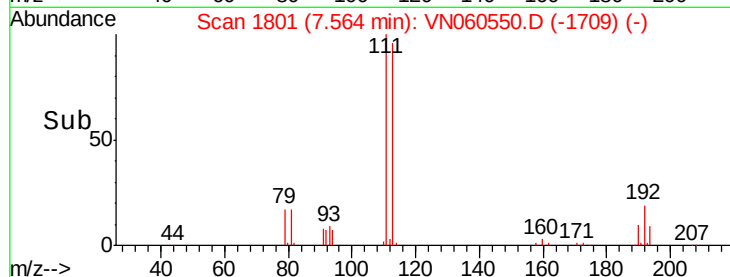
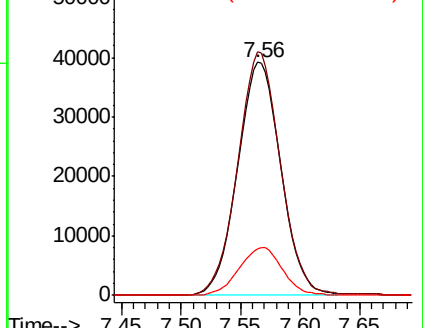
192 20.5 16.2 24.2



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: 4.824 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.13 min

Lab File: VN060550.D

Acq: 17 Mar 2020 12:47

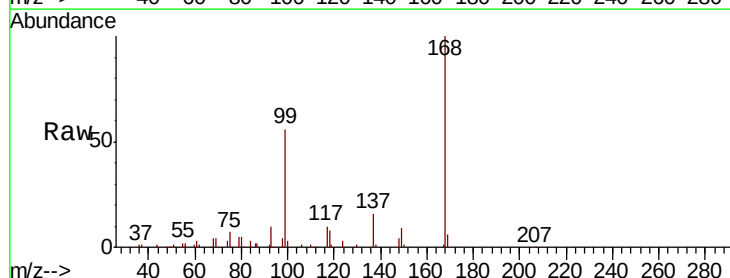
Tgt Ion: 75 Resp: 15429

Ion Ratio Lower Upper

75 100

110 7.5 17.3 52.0#

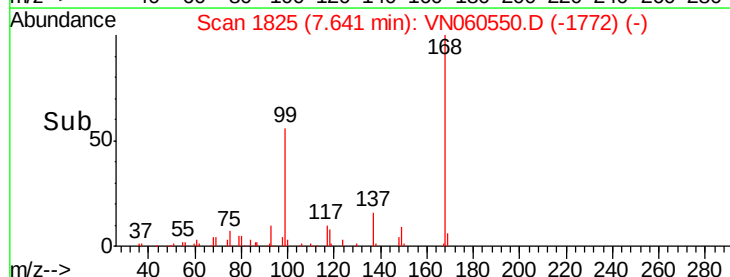
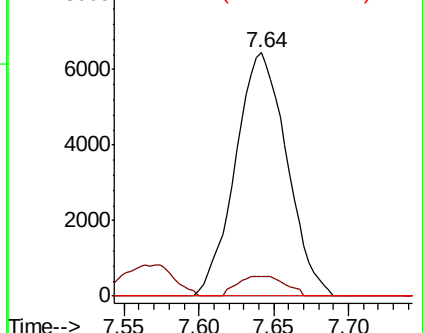
77 0.0 24.2 36.2#

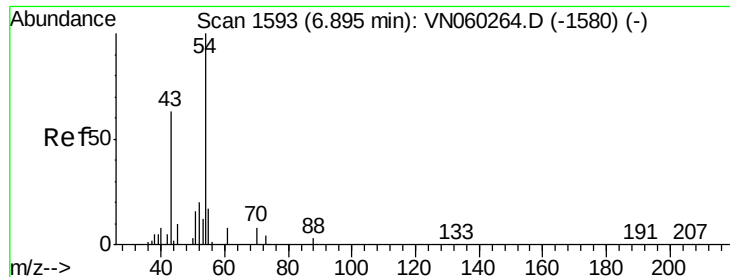


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0

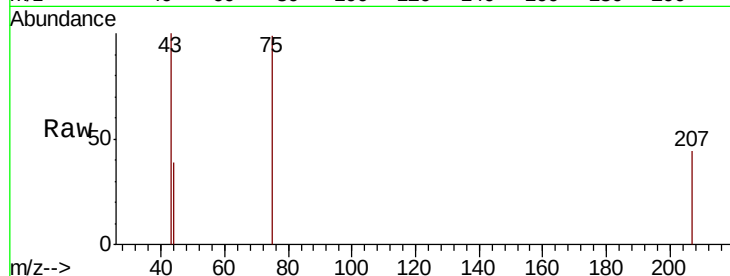




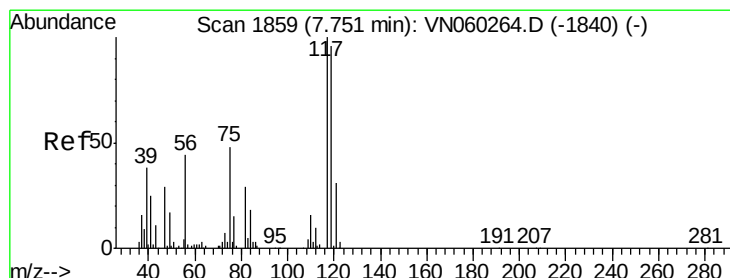
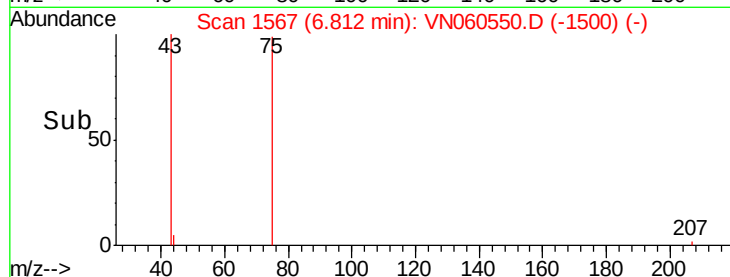
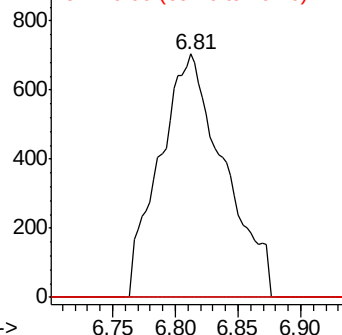
#37
Ethyl Acetate
Concen: 0.836 ug/l
RT: 6.81 min Scan# 1567
Delta R.T. -0.08 min
Lab File: VN060550.D
Acq: 17 Mar 2020 12:47

Instrument :
MSVOA_N
ClientSampleId :
TP-8A

Tot Ion: 43 Resp: 2531
Ion Ratio Lower Upper
43 100
61 0.0 11.1 16.7#
70 0.0 8.4 12.6#

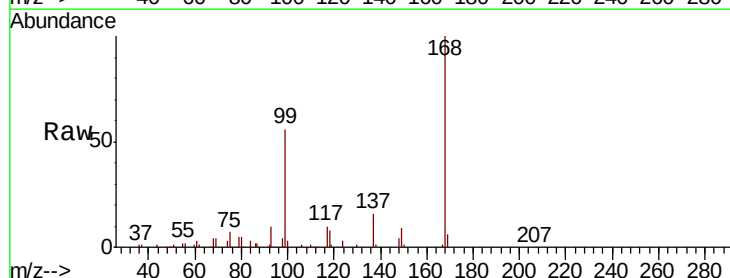


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

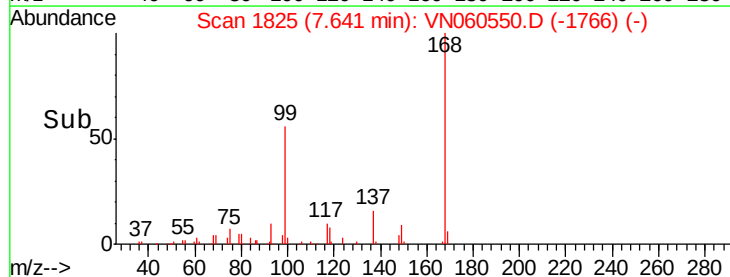
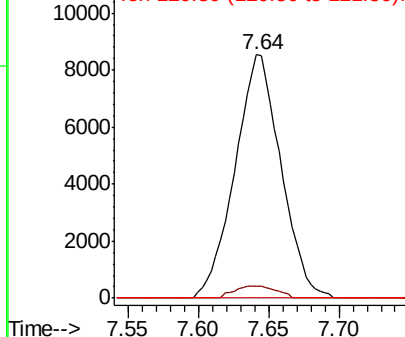


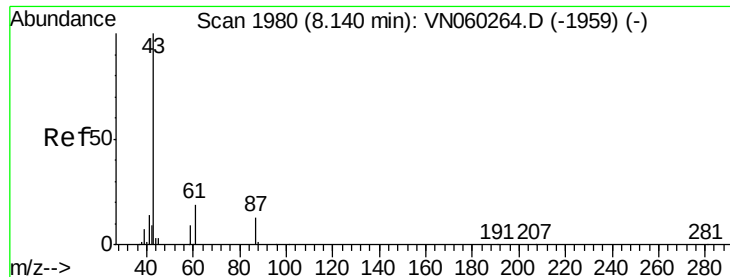
#38
Carbon Tetrachloride
Concen: 6.248 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.11 min
Lab File: VN060550.D
Acq: 17 Mar 2020 12:47

Tgt Ion: 117 Resp: 19456
Ion Ratio Lower Upper
117 100
119 5.1 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





#43

Isopropyl Acetate

Concen: 11.675 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060550.D

Acq: 17 Mar 2020 12:47

Instrument :

MSVOA_N

ClientSampled :

TP-8A

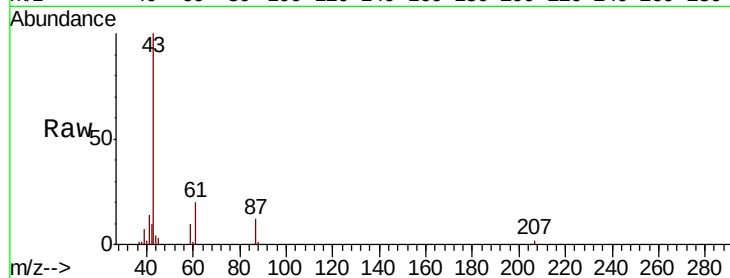
Tot Ion: 43 Resp: 61901

Ion Ratio Lower Upper

43 100

61 19.6 20.9 31.3#

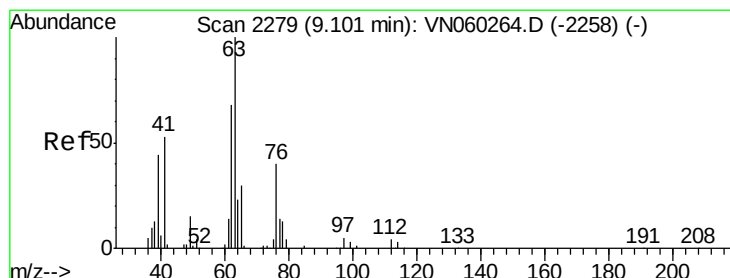
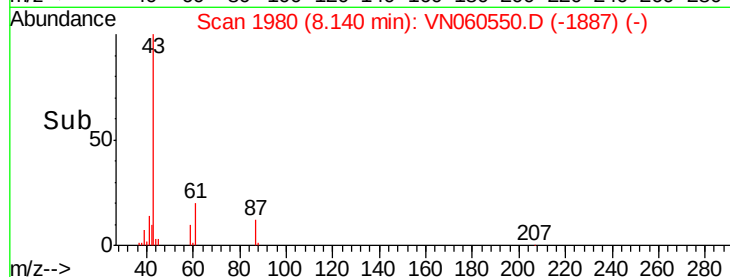
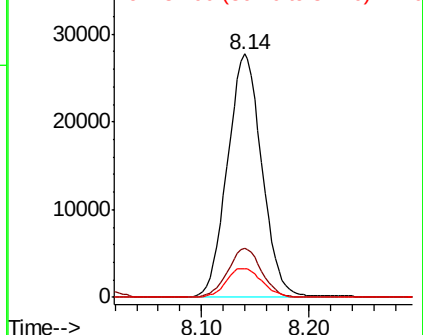
87 12.2 10.6 16.0



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: 0.446 ug/l

RT: 9.25 min Scan# 2325

Delta R.T. 0.15 min

Lab File: VN060550.D

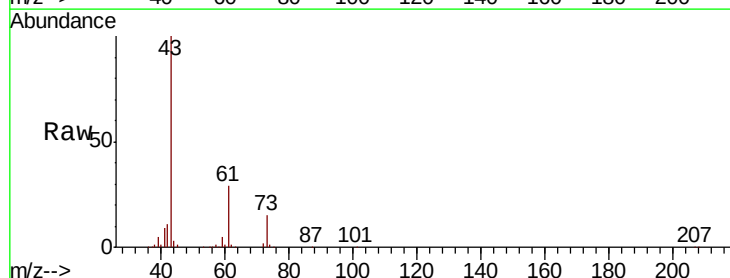
Acq: 17 Mar 2020 12:47

Tgt Ion: 63 Resp: 1085

Ion Ratio Lower Upper

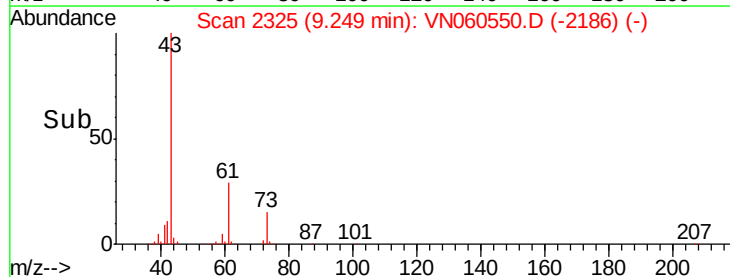
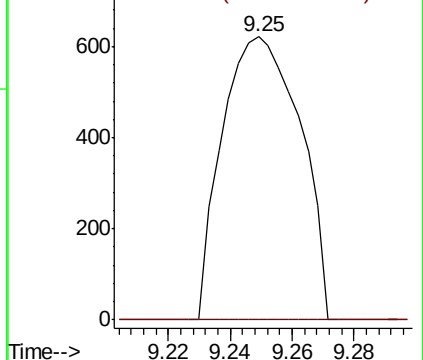
63 100

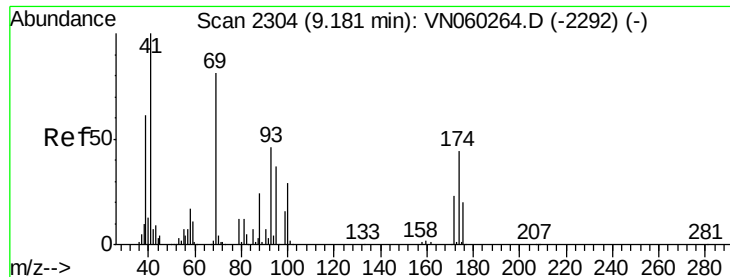
65 0.0 24.4 36.6#



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

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

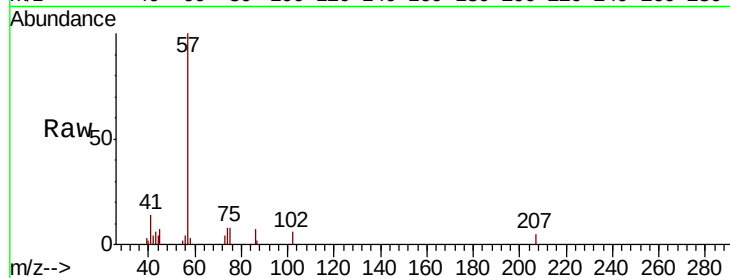




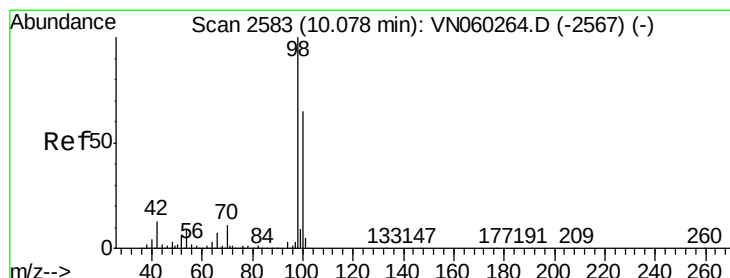
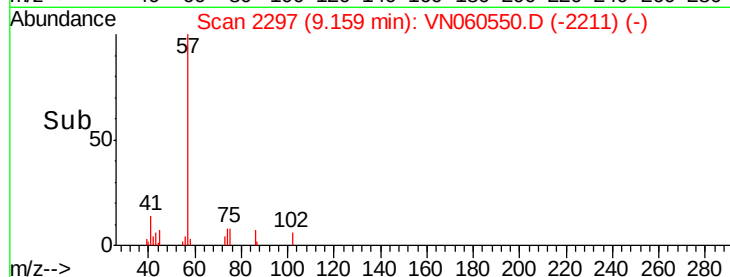
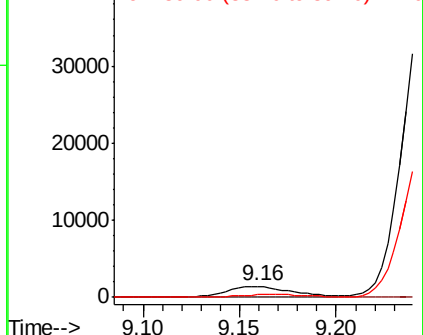
#48
Methvl methacrylate
Concen: 1.337 ug/l
RT: 9.16 min Scan# 2297
Delta R.T. -0.02 min
Lab File: VN060550.D
Acq: 17 Mar 2020 12:47

Instrument :
MSVOA_N
ClientSampled :
TP-8A

Tot Ion: 41 Resp: 3232
Ion Ratio Lower Upper
41 100
69 0.0 66.7 100.1#
39 0.0 50.1 75.1#

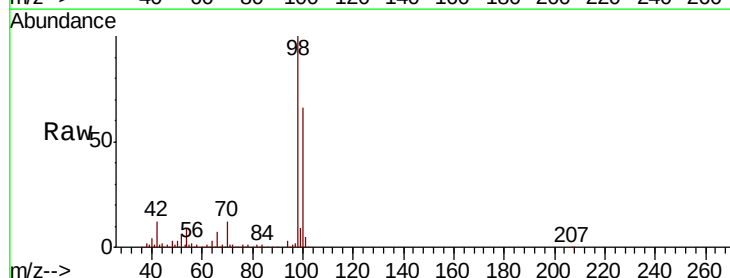


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

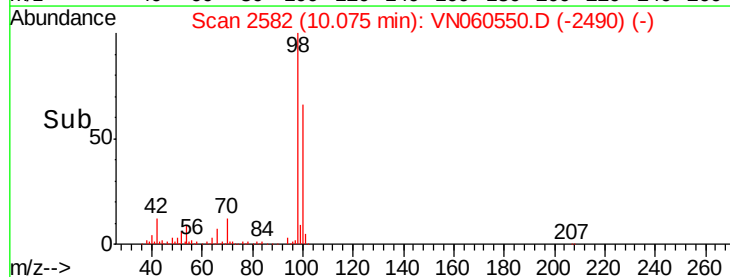
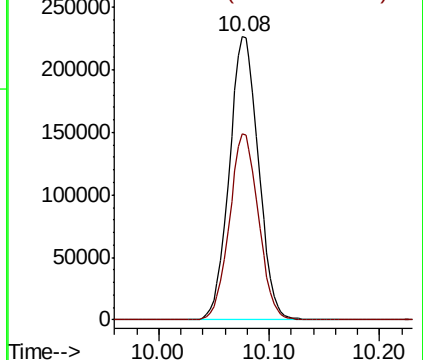


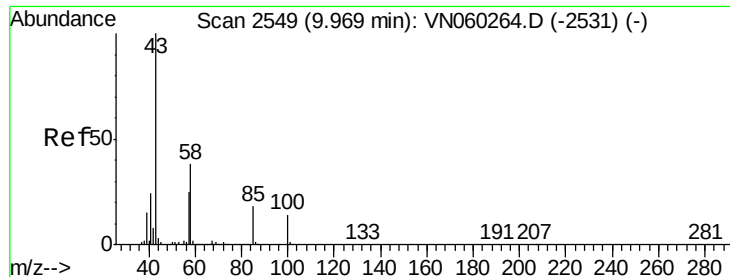
#50
Toluene-d8
Concen: 52.713 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060550.D
Acq: 17 Mar 2020 12:47

Tgt Ion: 98 Resp: 415580
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.2



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

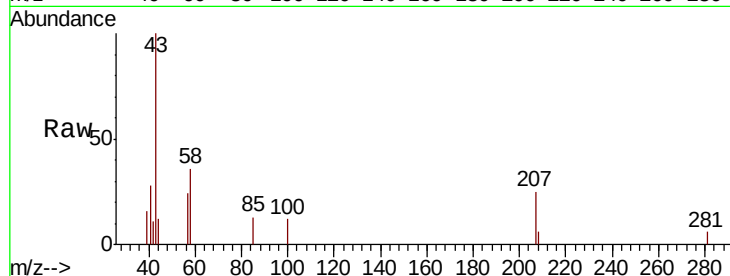




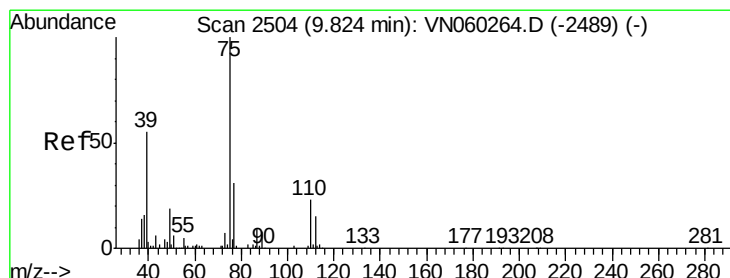
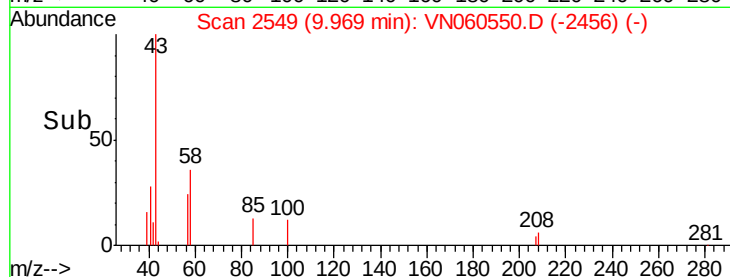
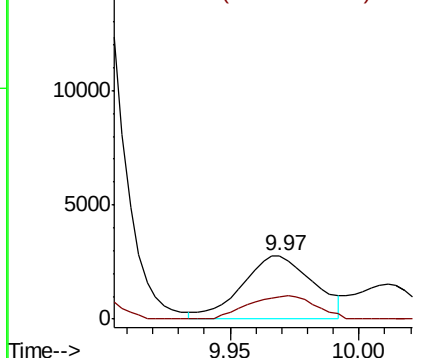
#51
 4-Methyl-2-Pentanone
 Concen: 1.784 ug/l
 RT: 9.97 min Scan# 2549
 Delta R.T. 0.00 min
 Lab File: VN060550.D
 Acq: 17 Mar 2020 12:47

Instrument :
 MSVOA_N
 ClientSampled :
 TP-8A

Tot Ion: 43 Resp: 5364
 Ion Ratio Lower Upper
 43 100
 58 34.5 30.9 46.3

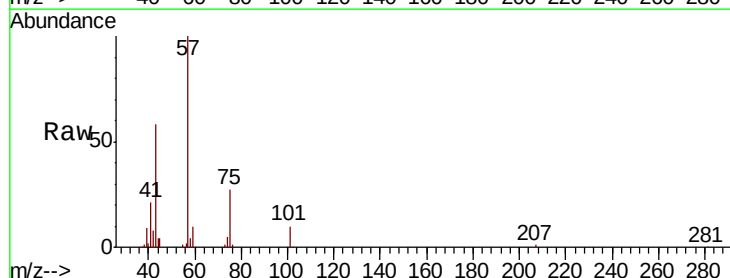


Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

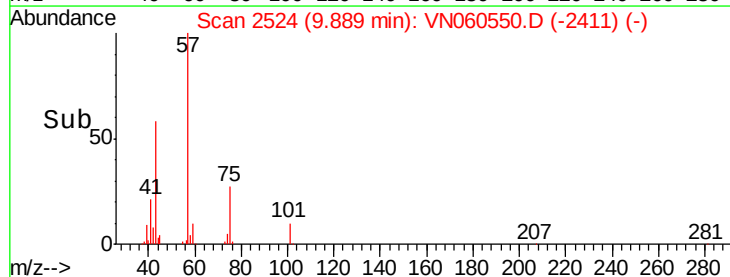
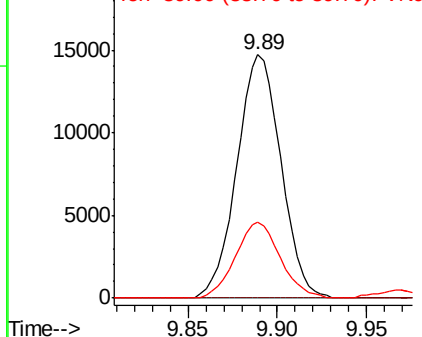


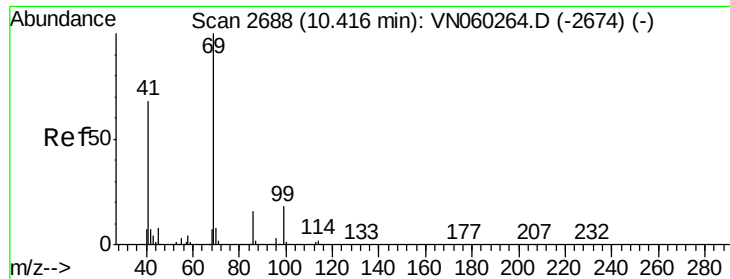
#54
 cis-1,3-Dichloropropene
 Concen: 6.215 ug/l
 RT: 9.89 min Scan# 2524
 Delta R.T. 0.06 min
 Lab File: VN060550.D
 Acq: 17 Mar 2020 12:47

Tgt Ion: 75 Resp: 25345
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.8 37.2#
 39 31.4 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





#56

Ethyl methacrylate

Concen: 0.202 ug/l

RT: 10.53 min Scan# 2724

Delta R.T. 0.12 min

Lab File: VN060550.D

Acq: 17 Mar 2020 12:47

Instrument :

MSVOA_N

ClientSampled :

TP-8A

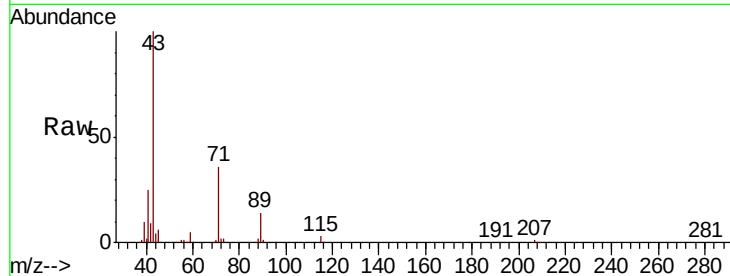
Tot Ion: 69 Resp: 681

Ion Ratio Lower Upper

69 100

41 7585.8 54.1 81.1#

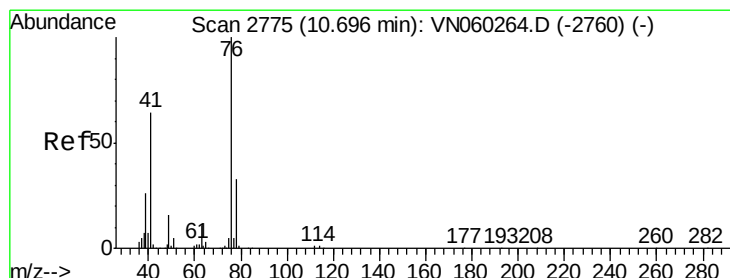
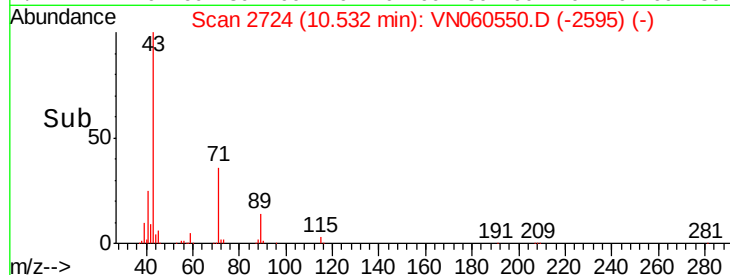
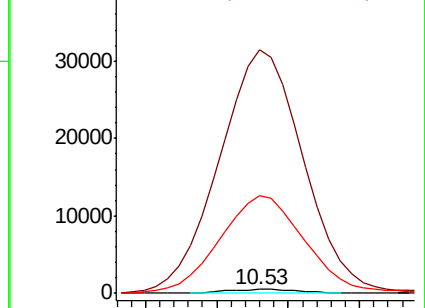
39 3064.5 32.5 48.7#



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#57

1,3-Dichloropropane

Concen: 1.028 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN060550.D

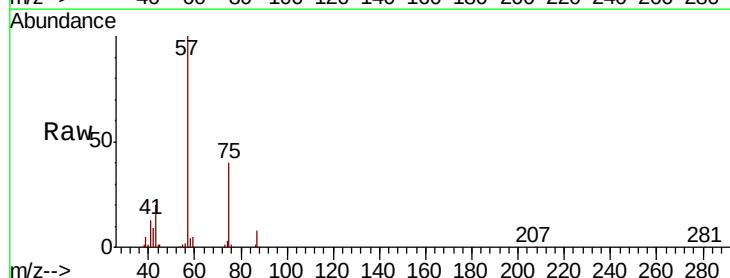
Acq: 17 Mar 2020 12:47

Tgt Ion: 76 Resp: 3943

Ion Ratio Lower Upper

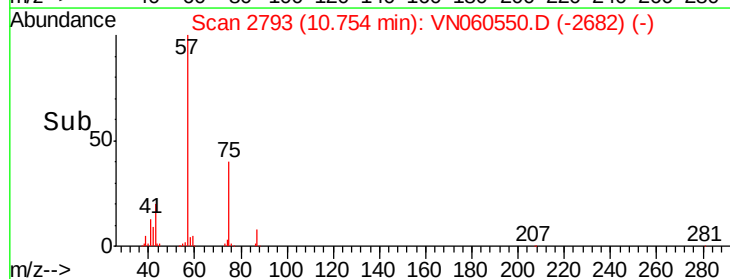
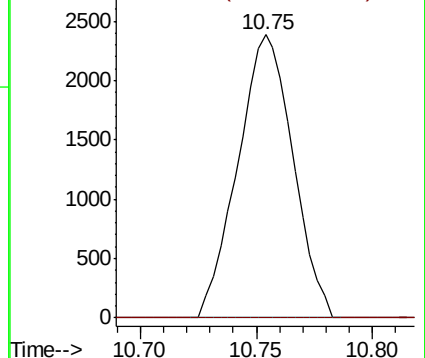
76 100

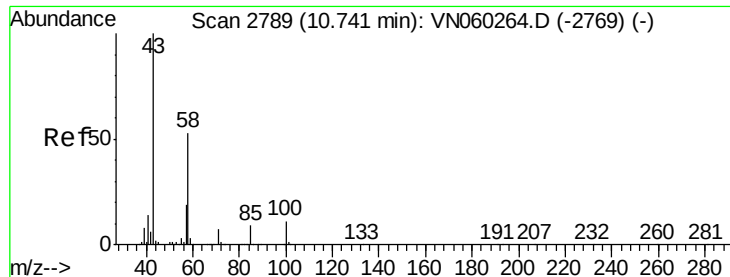
78 0.0 26.2 39.2#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0





#59

2-Hexanone

Concen: 25.640 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.01 min

Lab File: VN060550.D

Acq: 17 Mar 2020 12:47

Instrument :

MSVOA_N

ClientSampleId :

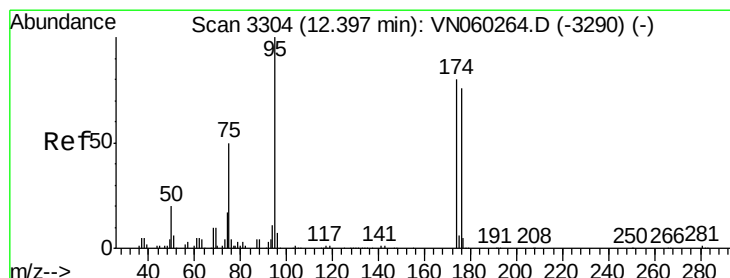
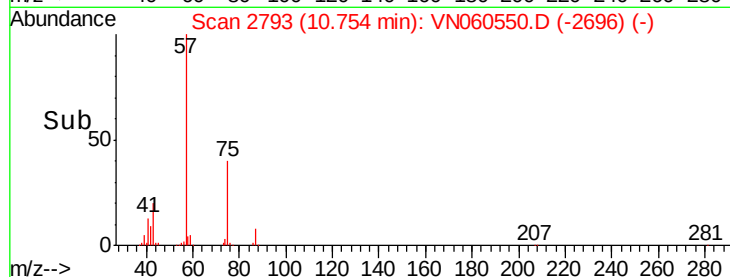
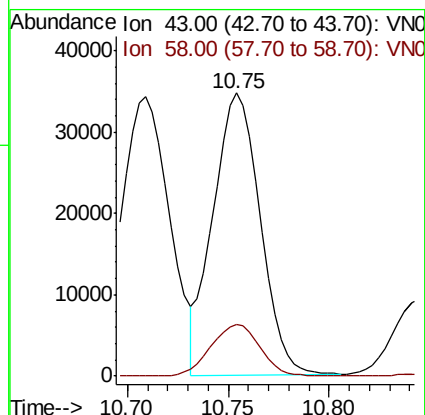
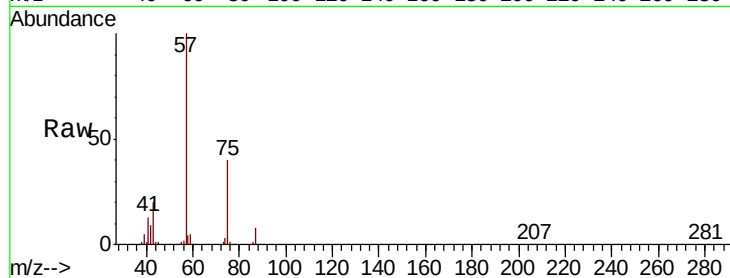
TP-8A

Tot Ion: 43 Resp: 56591

Ion Ratio Lower Upper

43 100

58 18.8 26.5 79.5#



#62

4-Bromofluorobenzene

Concen: 50.634 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060550.D

Acq: 17 Mar 2020 12:47

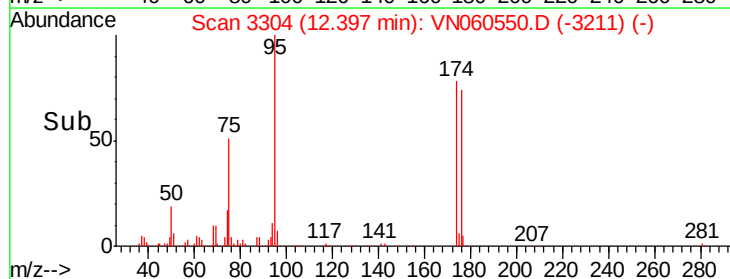
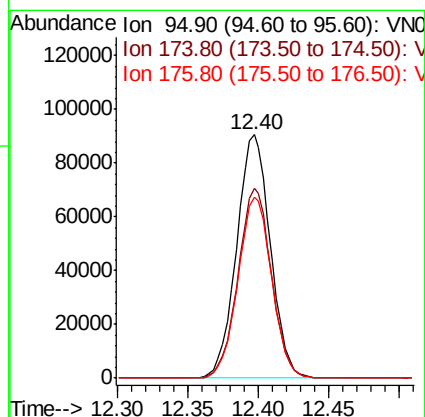
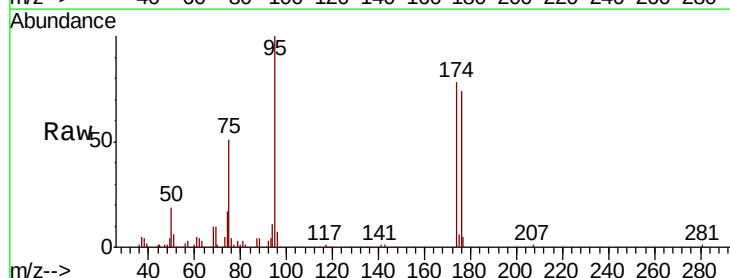
Tgt Ion: 95 Resp: 151323

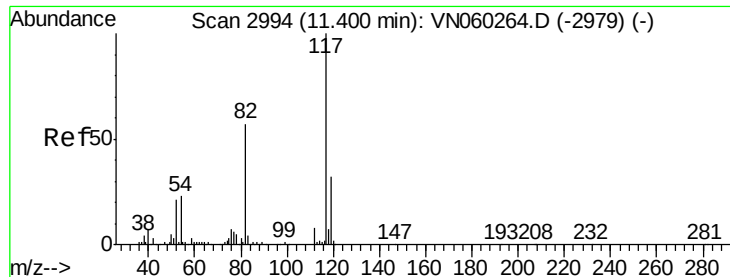
Ion Ratio Lower Upper

95 100

174 77.2 0.0 159.2

176 74.5 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: VN060550.D

Acq: 17 Mar 2020 12:47

Instrument :

MSVOA_N

ClientSampleId :

TP-8A

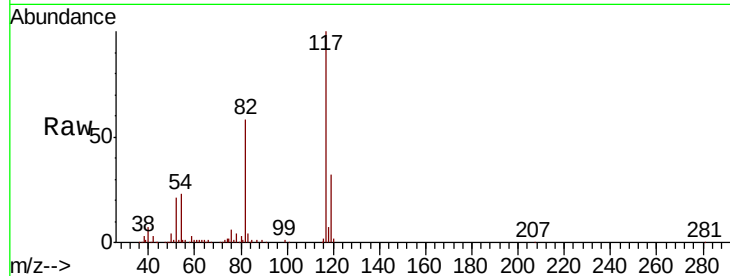
Tot Ion:117 Resp: 309674

Ion Ratio Lower Upper

117 100

82 58.1 45.8 68.6

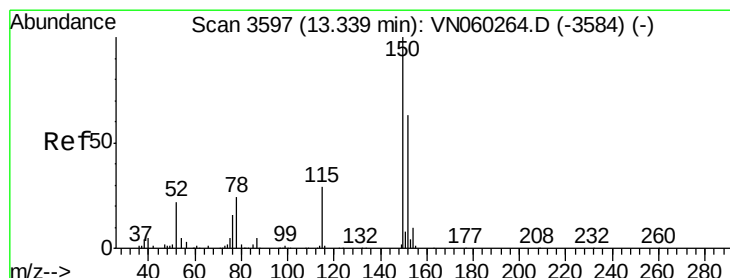
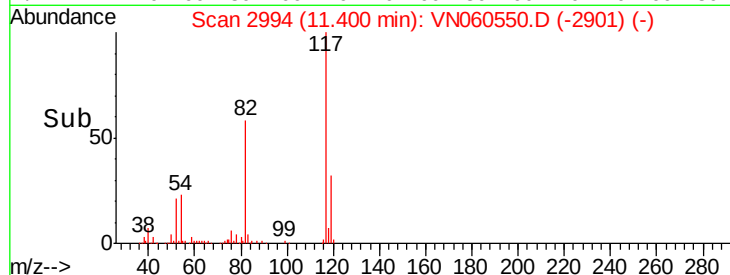
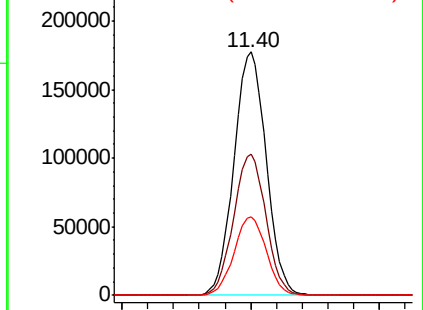
119 32.2 25.8 38.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060550.D

Acq: 17 Mar 2020 12:47

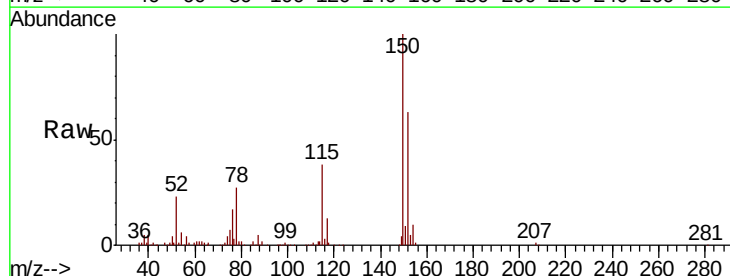
Tgt Ion:152 Resp: 136043

Ion Ratio Lower Upper

152 100

115 60.4 30.0 90.0

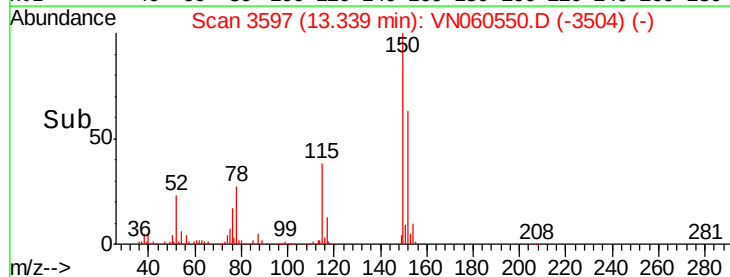
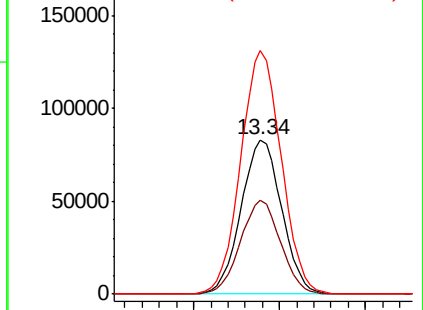
150 157.9 0.0 349.6

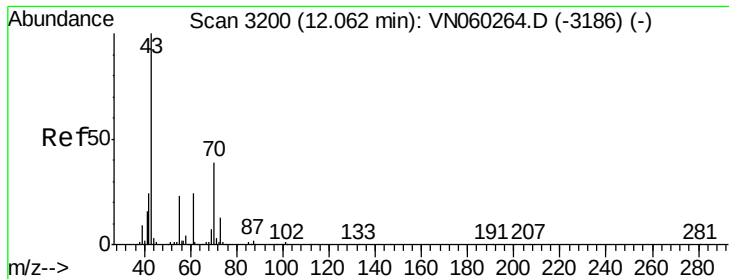


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

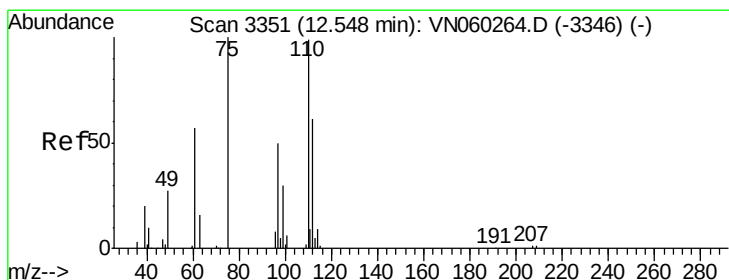
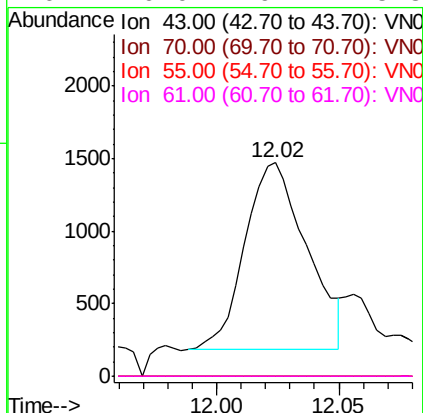
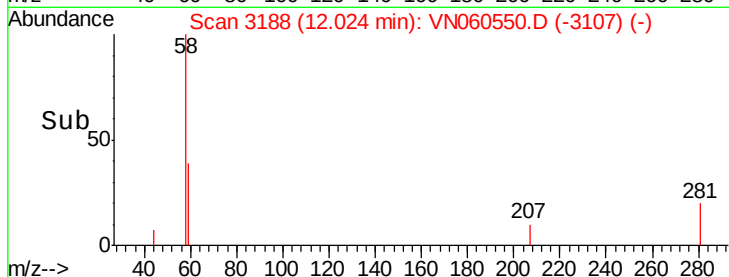
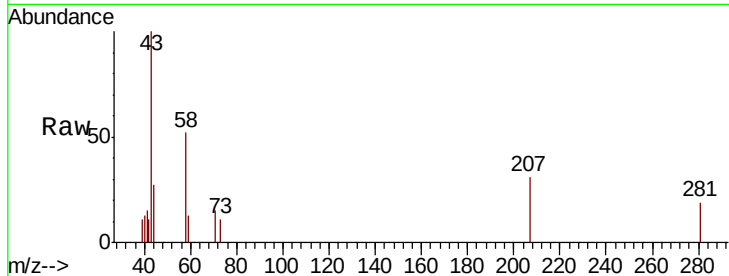




#74
N-amvl acetate
Concen: 0.516 ug/l
RT: 12.02 min Scan# 3188
Delta R.T. -0.04 min
Lab File: VN060550.D
Acq: 17 Mar 2020 12:47

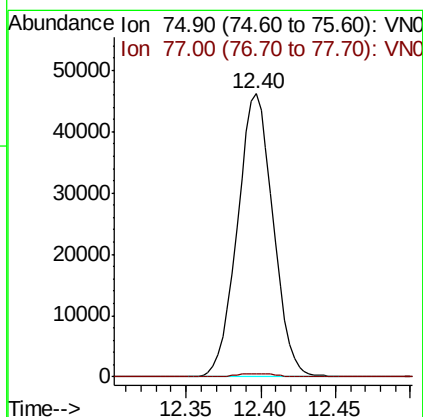
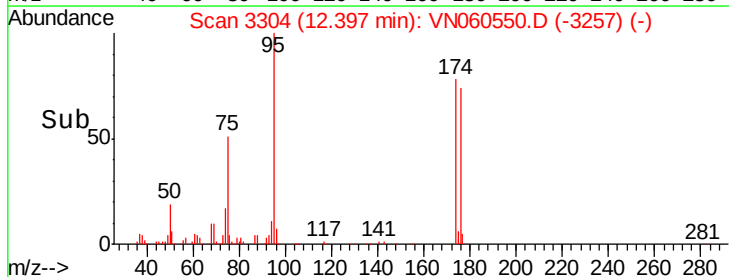
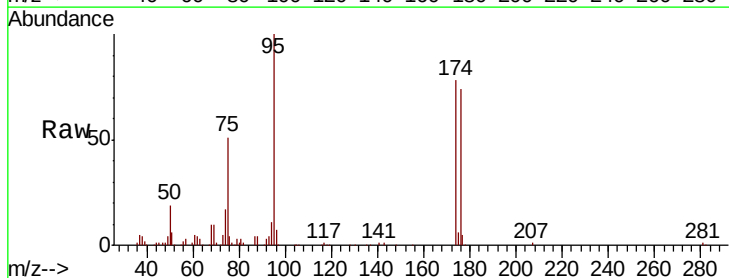
Instrument :
MSVOA_N
ClientSampled :
TP-8A

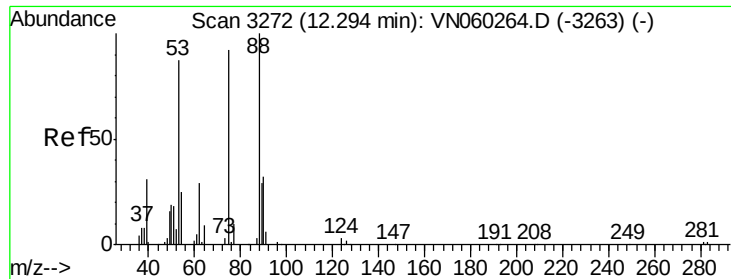
Tot Ion: 43 Resp: 2272
Ion Ratio Lower Upper
43 100
70 0.0 32.2 48.2#
55 0.0 18.2 27.4#
61 0.0 19.2 28.8#



#76
1,2,3-Trichloropropane
Concen: 25.720 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.15 min
Lab File: VN060550.D
Acq: 17 Mar 2020 12:47

Tgt Ion: 75 Resp: 76769
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#

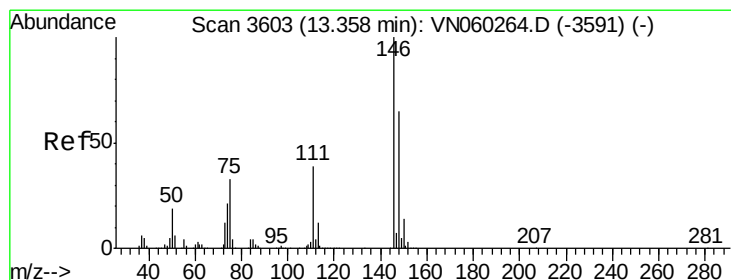
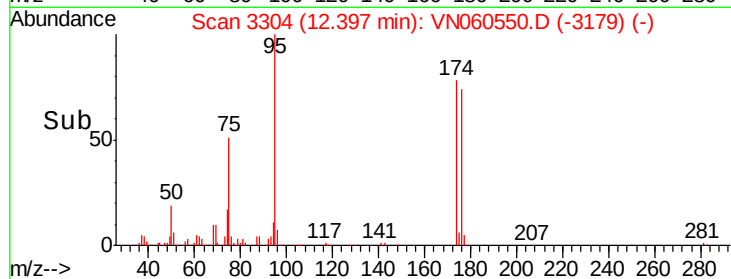
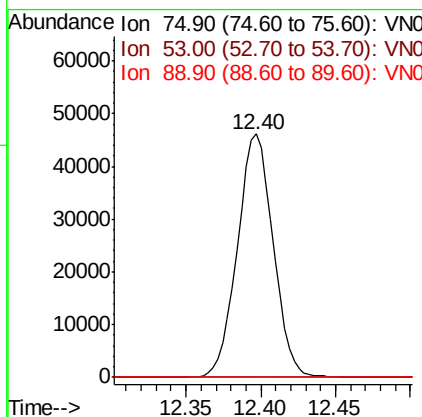
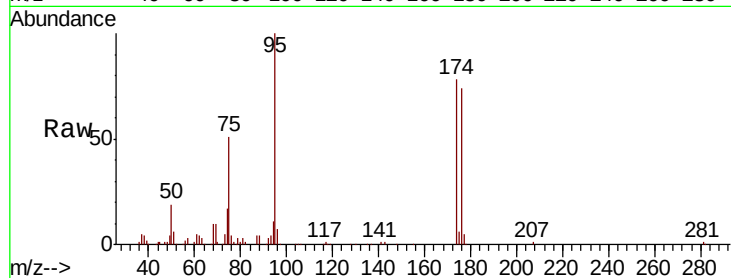




#81
trans-1,4-Dichloro-2-butene
Concen: 70.999 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.10 min
Lab File: VN060550.D
Acq: 17 Mar 2020 12:47

Instrument :
MSVOA_N
ClientSampleId :
TP-8A

Tot Ion: 75 Resp: 76769
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# 3603
Delta R.T. 0.00 min
Lab File: VN060550.D
Acq: 17 Mar 2020 12:47

Tgt Ion: 146 Resp: 238
Ion Ratio Lower Upper
146 100
111 748.3 19.8 59.4#
148 306.3 32.3 96.9#

