

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022020\
 Data File : VN060174.D
 Acq On : 20 Feb 2020 16:07
 Operator : JC/MD
 Sample : PB126926TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 21 02:26:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	188938	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	293172	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	276430	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	125910	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	109978	47.84	ug/l	0.00
Spiked Amount			Recovery	=	95.68%	
35) Dibromofluoromethane	7.57	113	87452	48.53	ug/l	0.00
Spiked Amount			Recovery	=	97.06%	
50) Toluene-d8	10.08	98	359494	50.66	ug/l	0.00
Spiked Amount			Recovery	=	101.32%	
62) 4-Bromofluorobenzene	12.40	95	130904	50.20	ug/l	0.00
Spiked Amount			Recovery	=	100.40%	

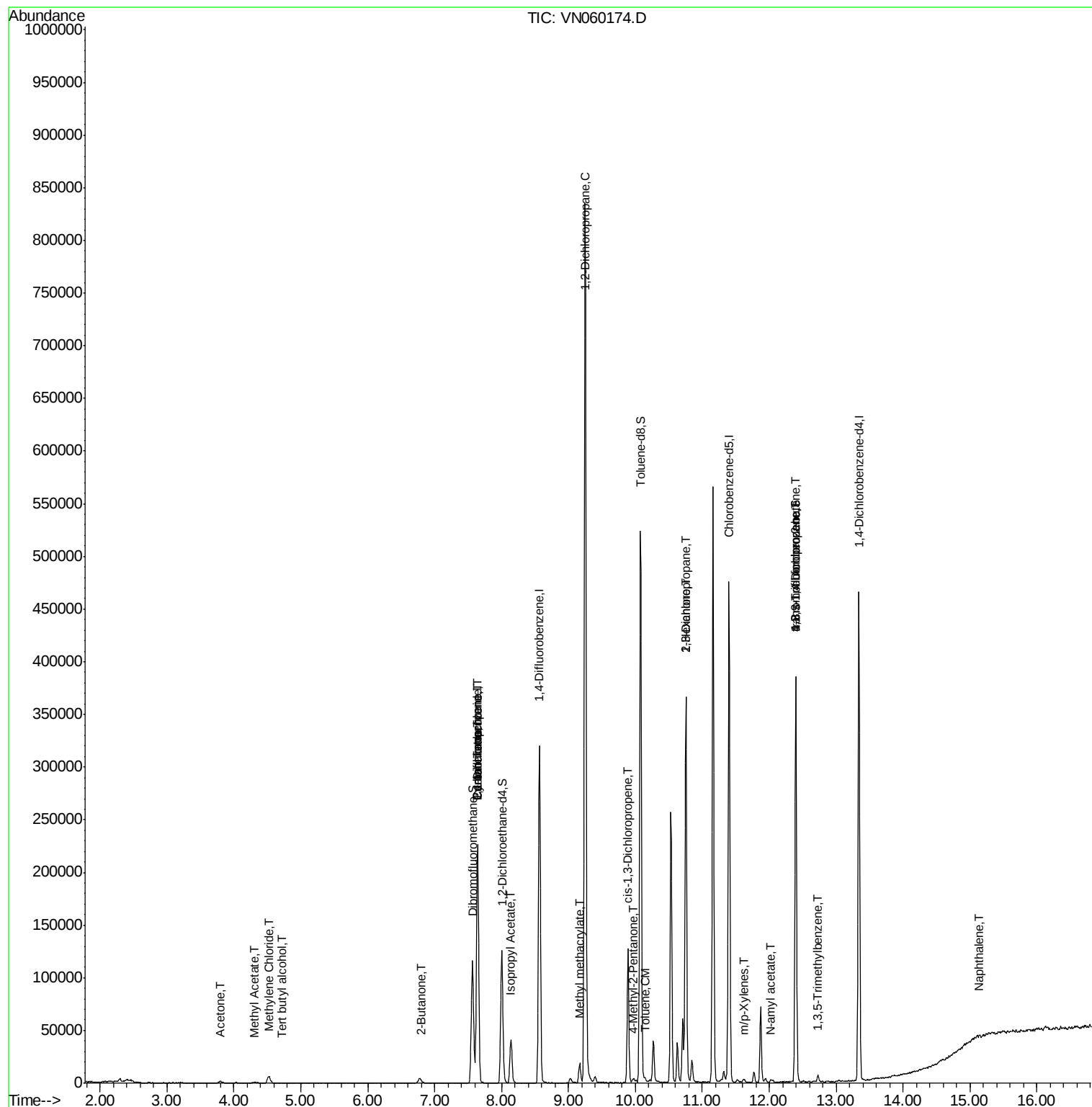
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.72	59	92	0.267	ug/l #	72
16) Acetone	3.79	43	3537	3.527	ug/l	89
18) Methyl Acetate	4.30	43	1224	0.650	ug/l #	50
20) Methylene Chloride	4.53	84	5106	2.552	ug/l	94
25) 2-Butanone	6.81	43	1000	0.793	ug/l #	46
31) Cyclohexane	7.64	56	3680	1.132	ug/l #	23
36) 1,1-Dichloropropene	7.64	75	13218	4.868	ug/l #	48
38) Carbon Tetrachloride	7.64	117	17865	6.058	ug/l #	15
43) Isopropyl Acetate	8.14	43	50066	11.934	ug/l #	90
45) 1,2-Dichloropropane	9.25	63	1086	0.545	ug/l #	43
48) Methyl methacrylate	9.17	41	2697	1.433	ug/l #	9
51) 4-Methyl-2-Pentanone	9.97	43	3519	1.449	ug/l #	77
52) Toluene	10.14	92	2223	0.430	ug/l	91
54) cis-1,3-Dichloropropene	9.89	75	23566	6.920	ug/l #	59
57) 1,3-Dichloropropane	10.75	76	3879	1.167	ug/l #	43
59) 2-Hexanone	10.75	43	53999	28.788	ug/l #	52
68) m/p-Xylenes	11.61	106	1150	0.302	ug/l	94
74) N-amyl acetate	12.03	43	2142	0.632	ug/l #	43
76) 1,2,3-Trichloropropane	12.40	75	67699	28.103	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	4105	0.525	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.40	75	67699	68.811	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.31	75	161	Below Cal	#	1
95) Naphthalene	15.13	128	1752	0.273	ug/l #	74

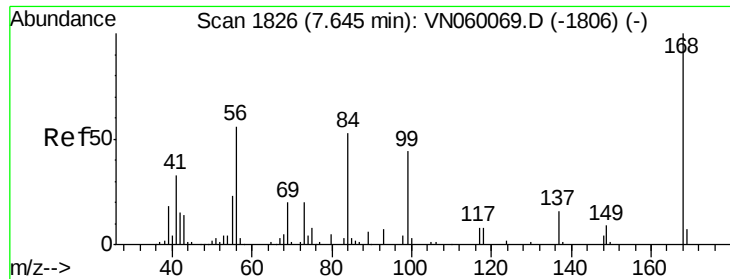
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN022020\
Data File : VN060174.D
Acq On : 20 Feb 2020 16:07
Operator : JC/MD
Sample : PB126926TB
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Feb 21 02:26:19 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 12 14:12:21 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: VN060174.D

Acq: 20 Feb 2020 16:07

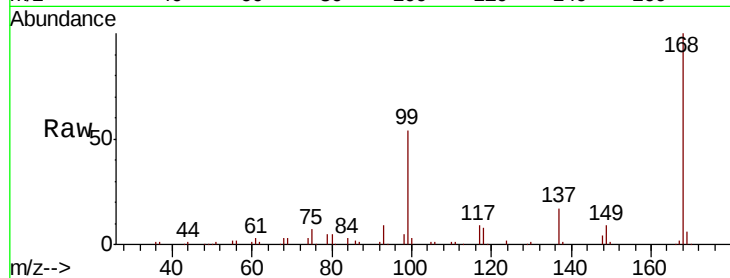
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 188938

Ion Ratio Lower Upper

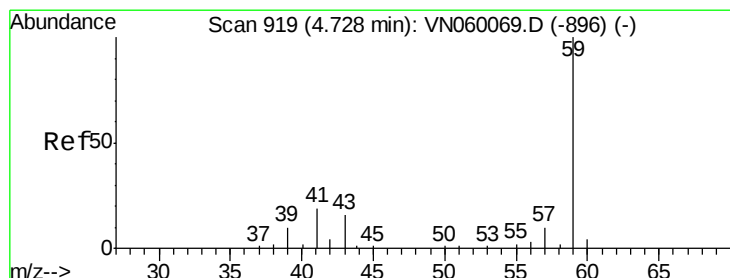
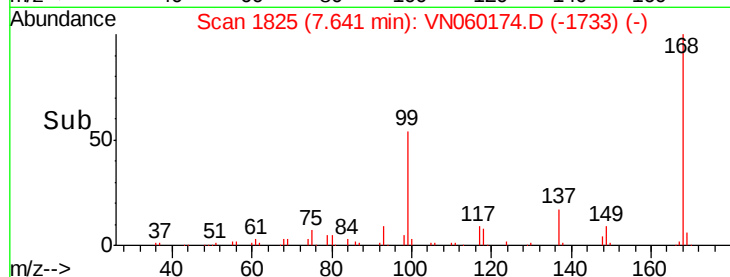
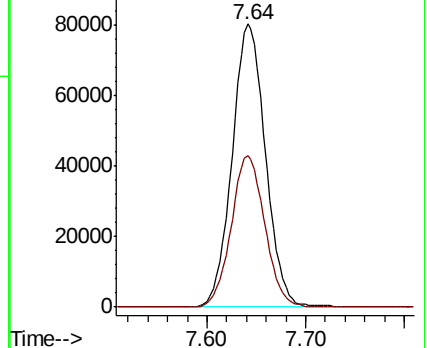
168 100

99 53.5 42.7 64.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#11

Tert butyl alcohol

Concen: 0.267 ug/l

RT: 4.72 min Scan# 917

Delta R.T. -0.01 min

Lab File: VN060174.D

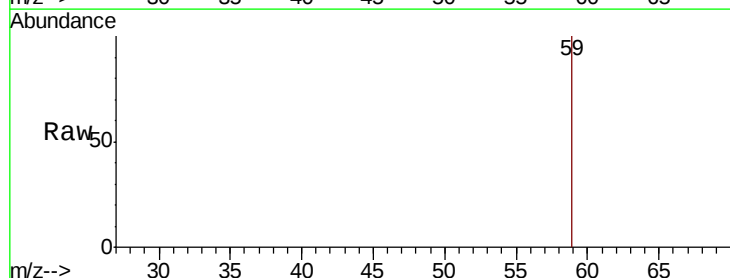
Acq: 20 Feb 2020 16:07

Tgt Ion: 59 Resp: 92

Ion Ratio Lower Upper

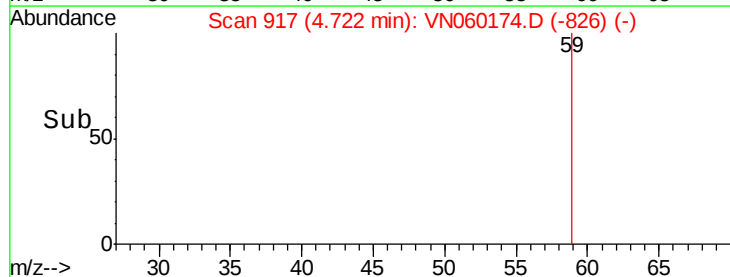
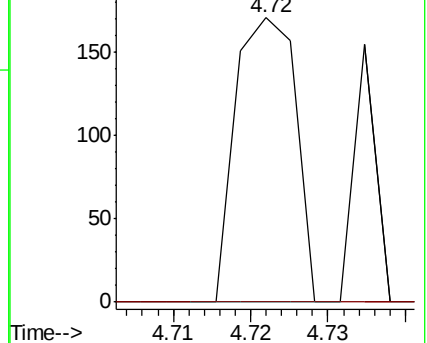
59 100

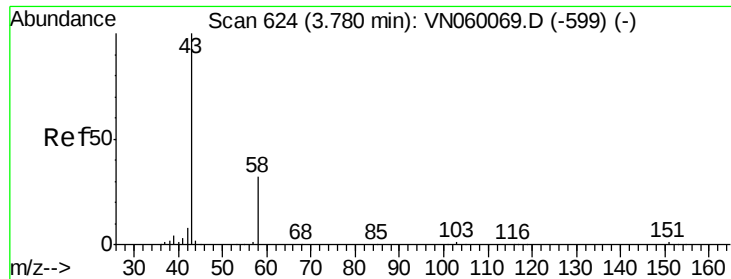
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN





#16

Acetone

Concen: 3.527 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN060174.D

Acq: 20 Feb 2020 16:07

Instrument :

MSVOA_N

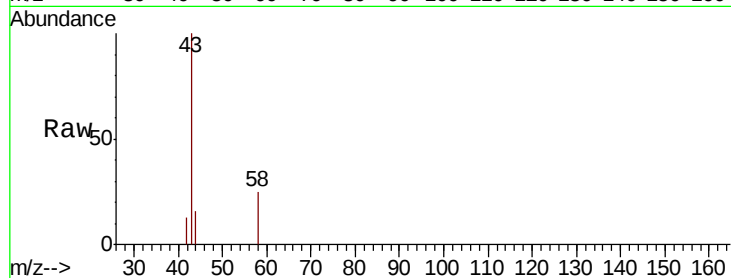
ClientSampled :

Tot Ion: 43 Resp: 3537

Ion Ratio Lower Upper

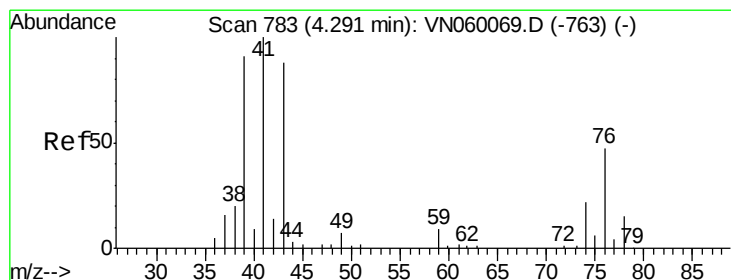
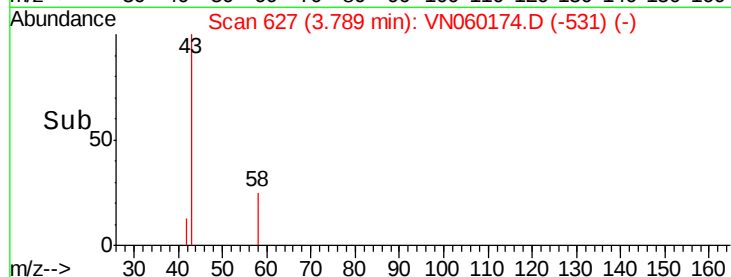
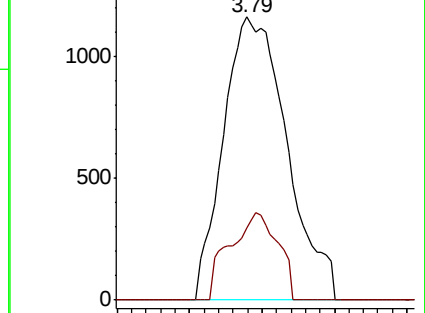
43 100

58 25.3 25.2 37.8



Abundance Ion 43.00 (42.70 to 43.70): VN060174.D (-531) (-)

Ion 58.00 (57.70 to 58.70): VN060174.D (-531) (-)



#18

Methyl Acetate

Concen: 0.650 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.01 min

Lab File: VN060174.D

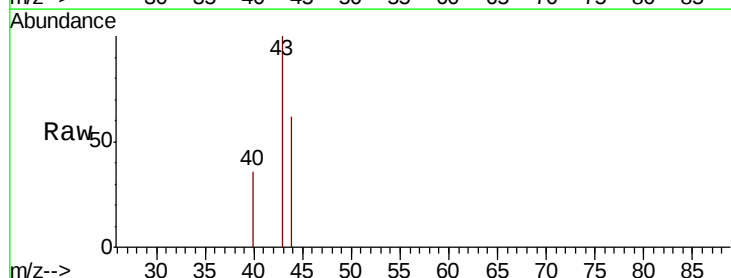
Acq: 20 Feb 2020 16:07

Tgt Ion: 43 Resp: 1224

Ion Ratio Lower Upper

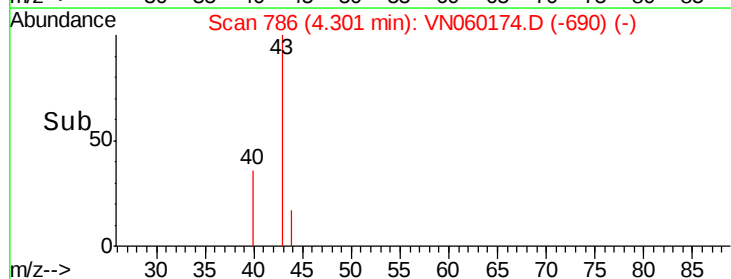
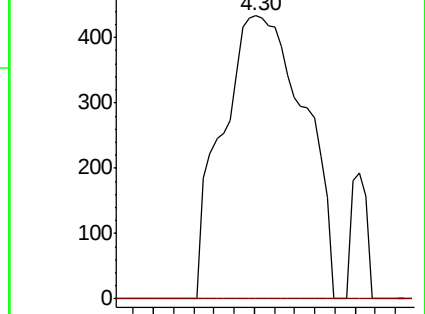
43 100

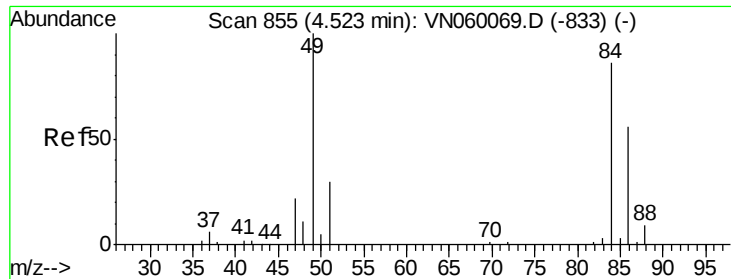
74 0.0 20.3 30.5#



Abundance Ion 43.00 (42.70 to 43.70): VN060174.D (-690) (-)

Ion 74.00 (73.70 to 74.70): VN060174.D (-690) (-)

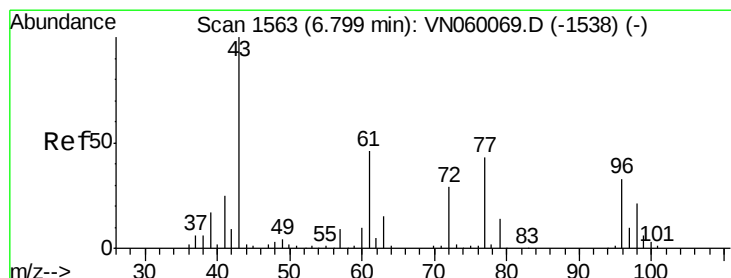
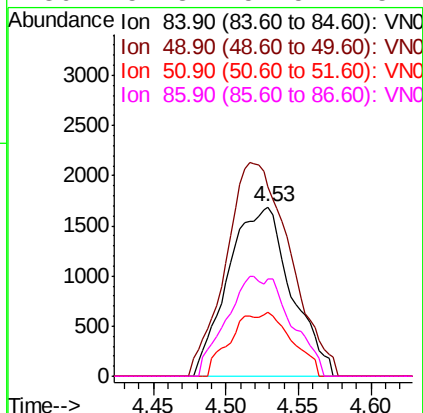
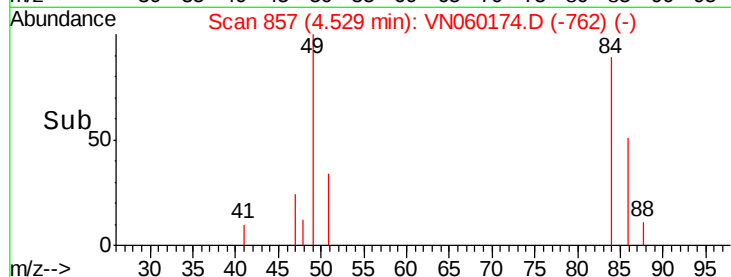
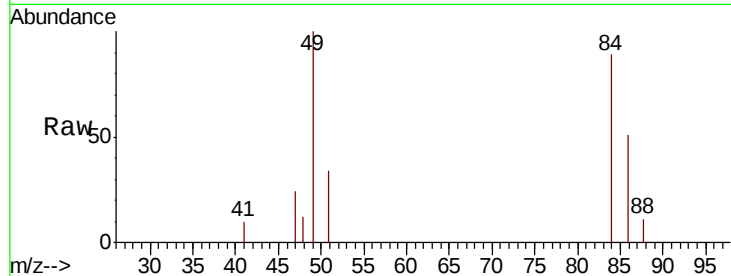




#20
Methvlene Chloride
Concen: 2.552 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.01 min
Lab File: VN060174.D
Acq: 20 Feb 2020 16:07

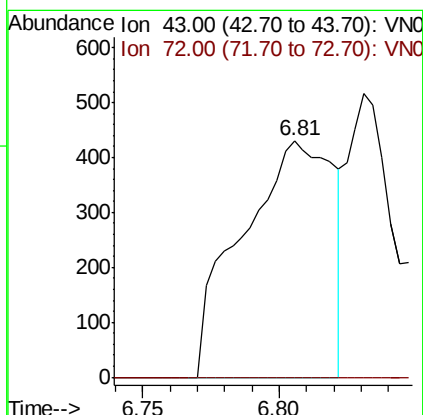
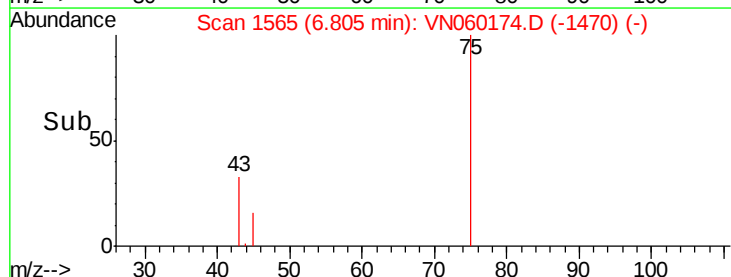
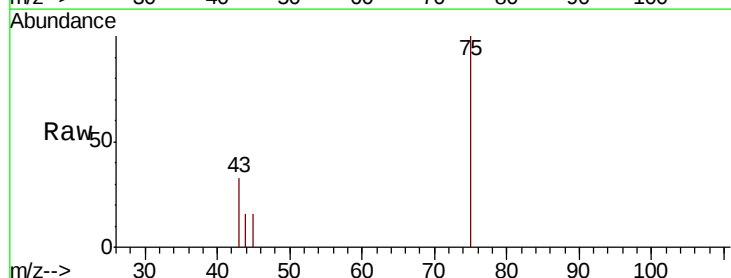
Instrument :
MSVOA_N
ClientSampleId :

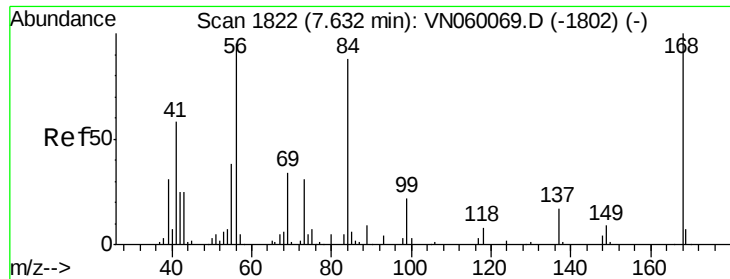
Tot Ion: 84 Resp: 5106
Ion Ratio Lower Upper
84 100
49 111.9 93.4 140.0
51 37.6 28.4 42.6
86 57.3 52.5 78.7



#25
2-Butanone
Concen: 0.793 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. 0.01 min
Lab File: VN060174.D
Acq: 20 Feb 2020 16:07

Tgt Ion: 43 Resp: 1000
Ion Ratio Lower Upper
43 100
72 0.0 23.3 34.9#

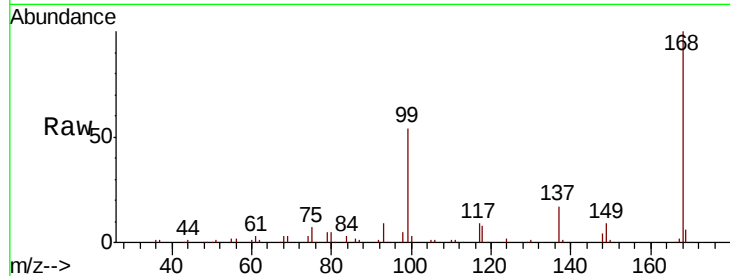




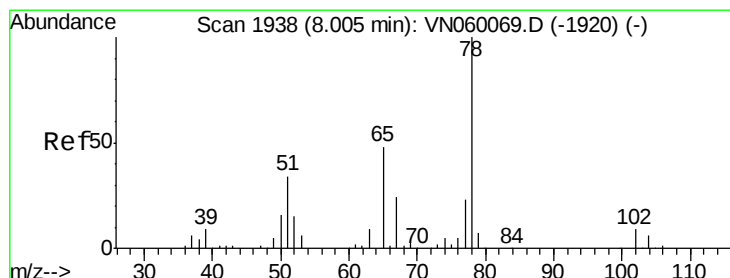
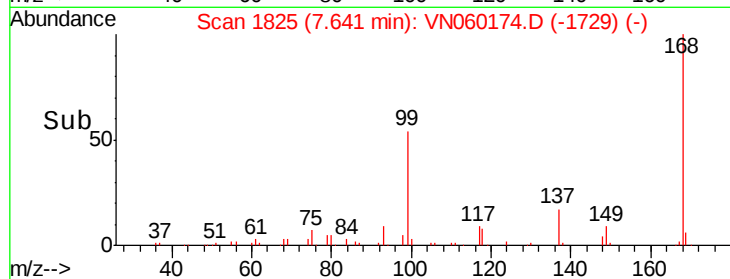
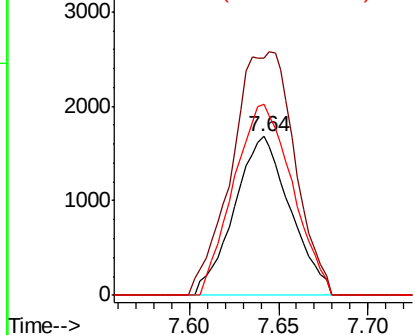
#31
Cyclohexane
Concen: 1.132 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN060174.D
Acq: 20 Feb 2020 16:07

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 3680
Ion Ratio Lower Upper
56 100
69 149.7 28.3 42.5#
84 120.3 72.6 108.8#

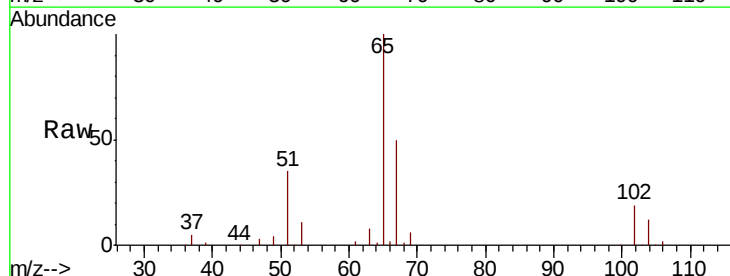


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

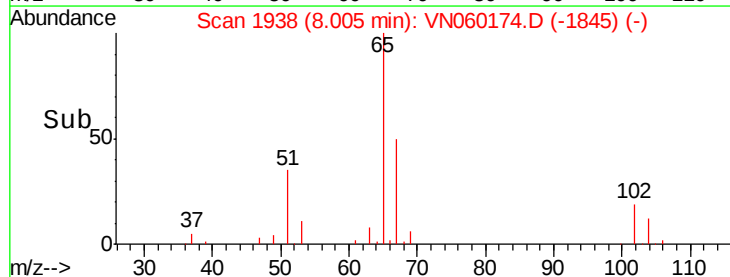
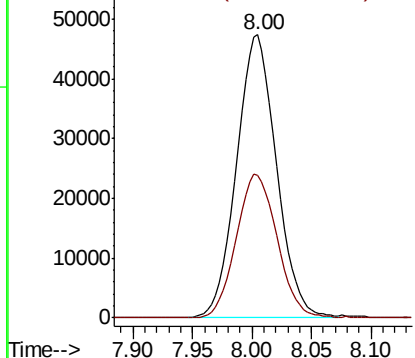


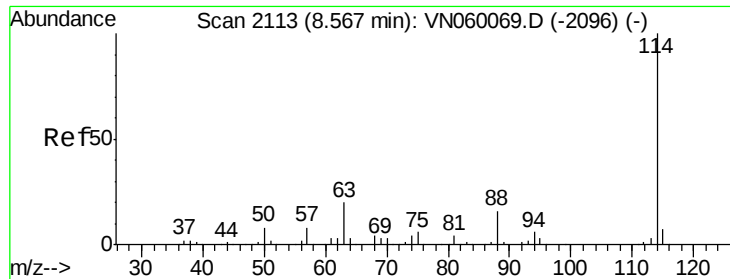
#33
1,2-Dichloroethane-d4
Concen: 47.836 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VN060174.D
Acq: 20 Feb 2020 16:07

Tgt Ion: 65 Resp: 109978
Ion Ratio Lower Upper
65 100
67 52.1 0.0 104.0



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

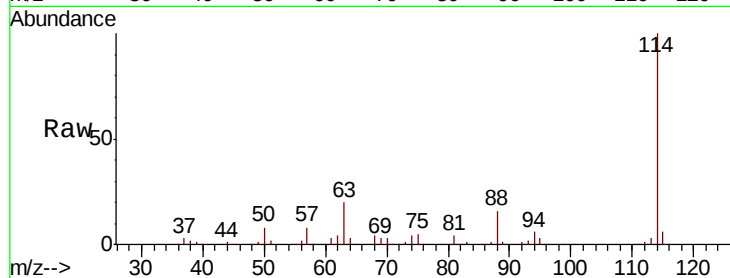




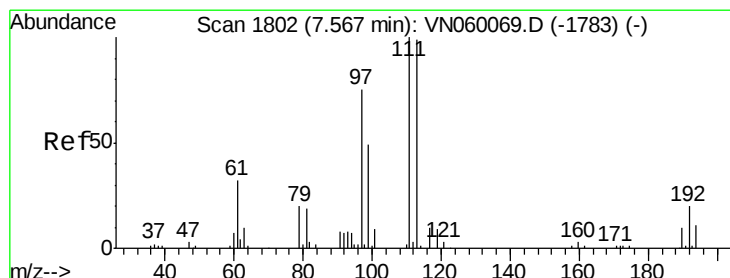
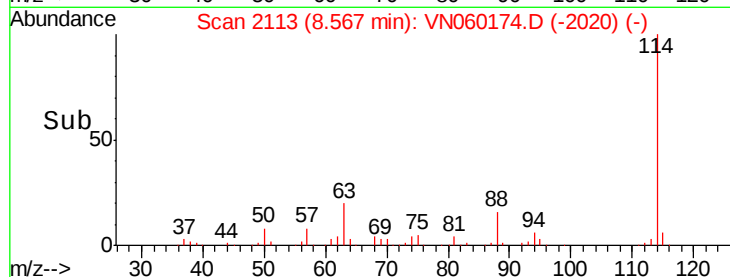
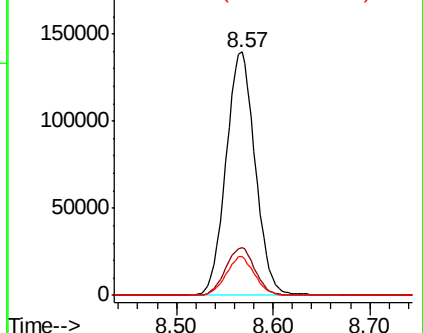
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060174.D
 Acq: 20 Feb 2020 16:07

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	40.0
88	15.9	0.0	31.6

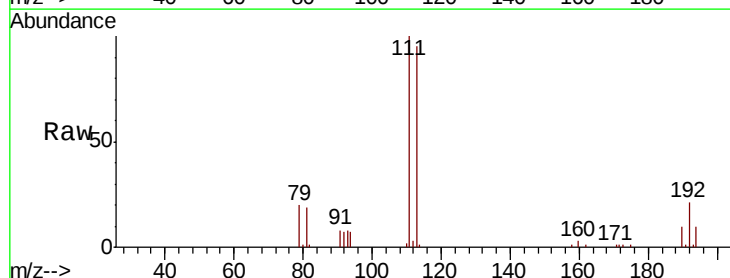


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

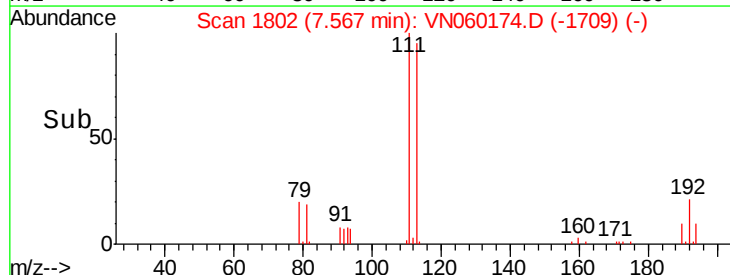
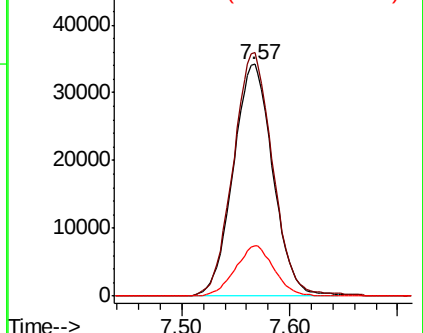


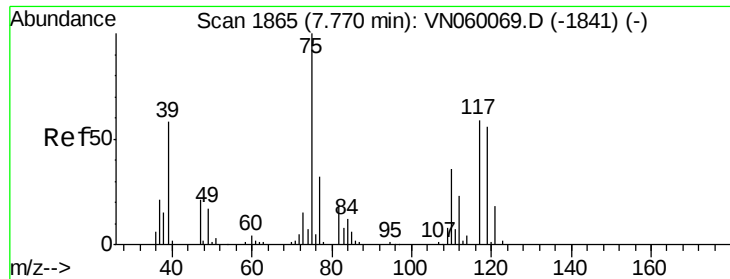
#35
 Dibromofluoromethane
 Concen: 48.527 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN060174.D
 Acq: 20 Feb 2020 16:07

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.9	81.4	122.2
192	21.1	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

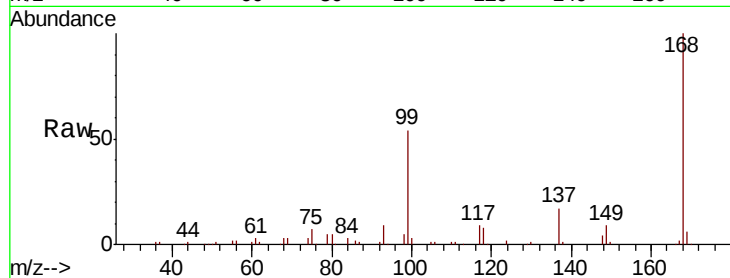




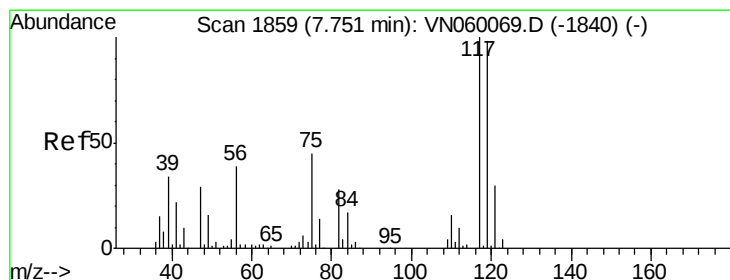
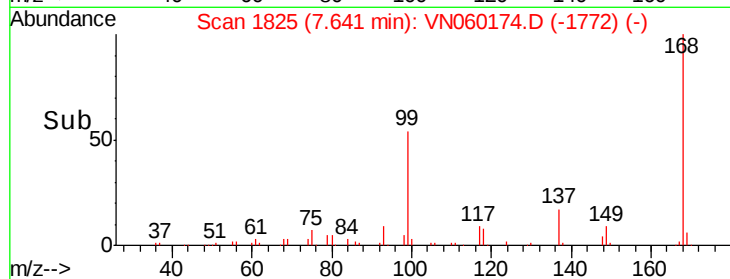
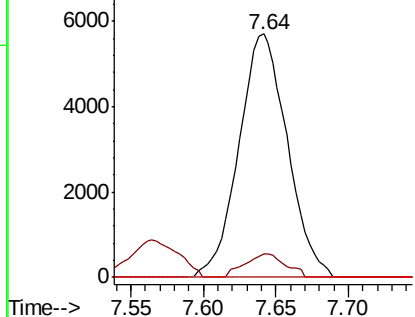
#36
 1,1-Dichloropropene
 Concen: 4.868 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060174.D
 Acq: 20 Feb 2020 16:07

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	8.1	18.1	54.3#
77	0.0	25.1	37.7#

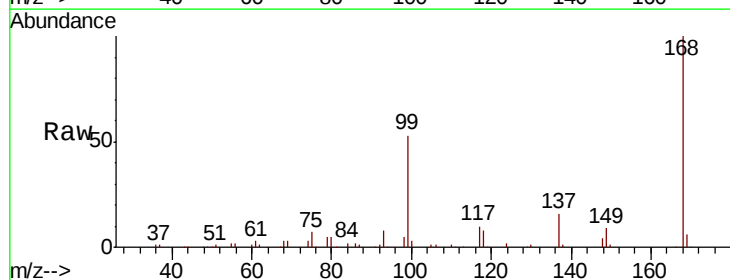


Abundance Ion 74.90 (74.60 to 75.60): VN060174.D (-1772) (-)
 Ion 109.90 (109.60 to 110.60): VN060174.D (-1772) (-)
 Ion 76.90 (76.60 to 77.60): VN060174.D (-1772) (-)

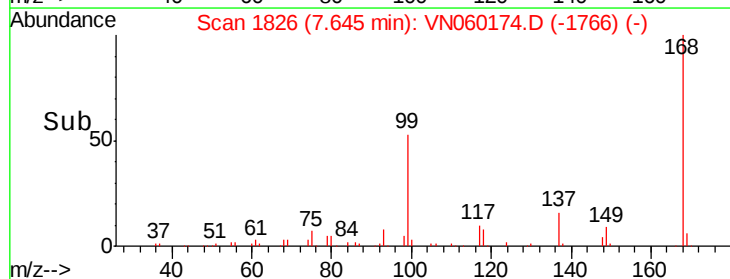
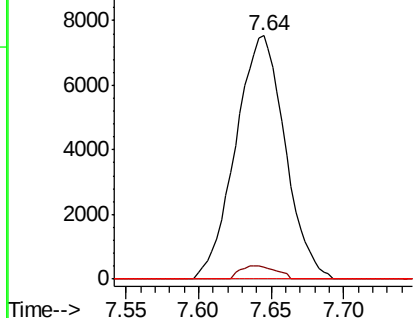


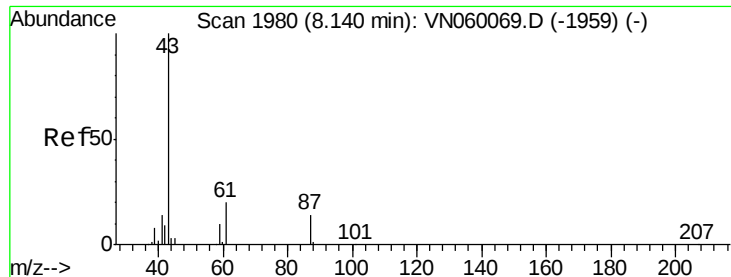
#38
 Carbon Tetrachloride
 Concen: 6.058 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.11 min
 Lab File: VN060174.D
 Acq: 20 Feb 2020 16:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.8	78.2	117.4#
121	0.0	24.2	36.2#



Abundance Ion 116.80 (116.50 to 117.50): VN060174.D (-1766) (-)
 Ion 118.80 (118.50 to 119.50): VN060174.D (-1766) (-)
 Ion 120.80 (120.50 to 121.50): VN060174.D (-1766) (-)





#43

Isopropyl Acetate

Concen: 11.934 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060174.D

Acq: 20 Feb 2020 16:07

Instrument :

MSVOA_N

ClientSampled :

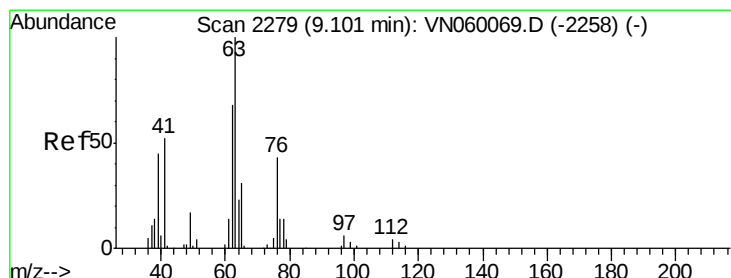
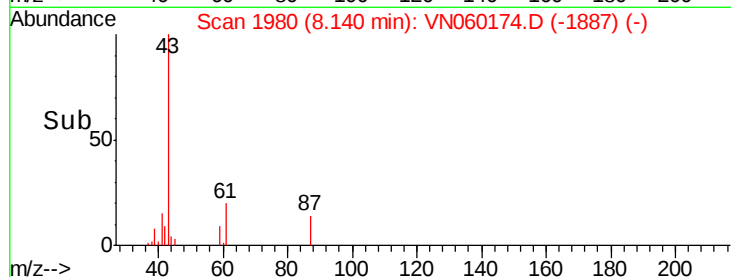
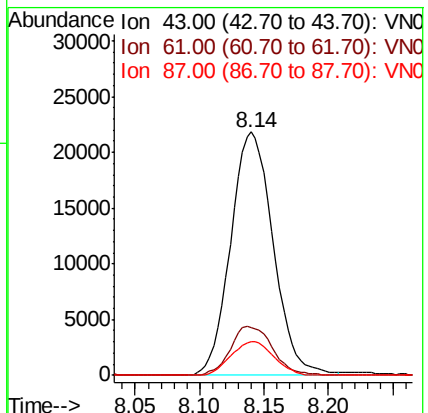
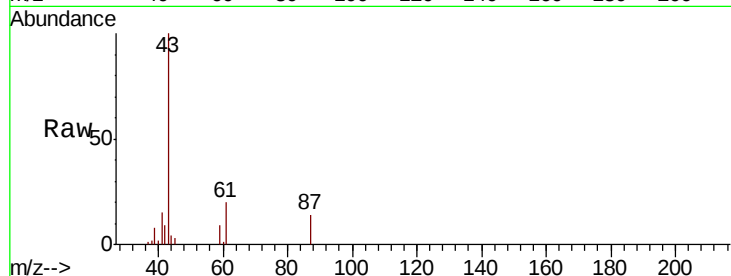
Tot Ion: 43 Resp: 50066

Ion Ratio Lower Upper

43 100

61 20.0 21.8 32.6#

87 13.8 11.4 17.2



#45

1,2-Dichloropropane

Concen: 0.545 ug/l

RT: 9.25 min Scan# 2324

Delta R.T. 0.14 min

Lab File: VN060174.D

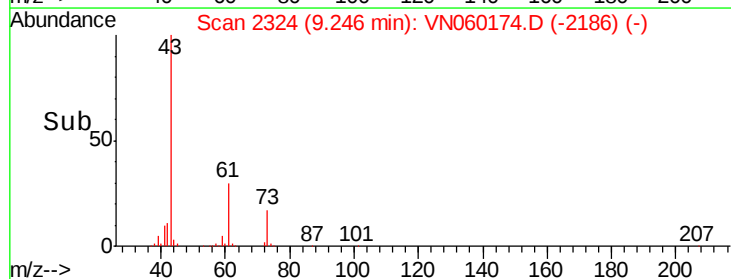
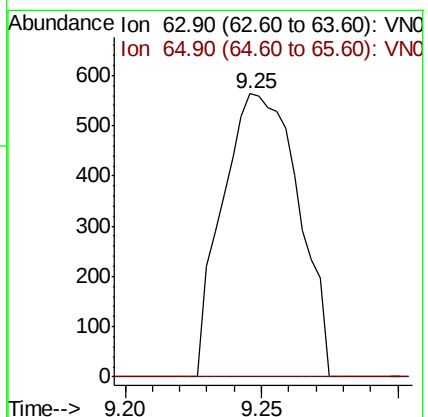
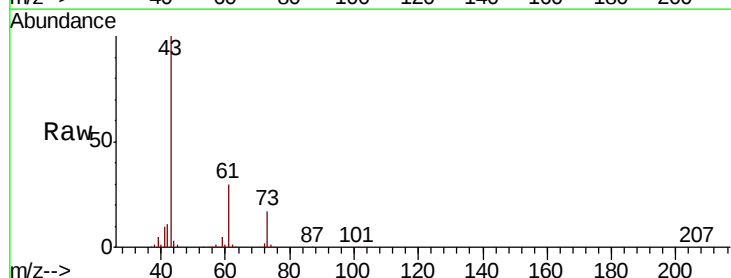
Acq: 20 Feb 2020 16:07

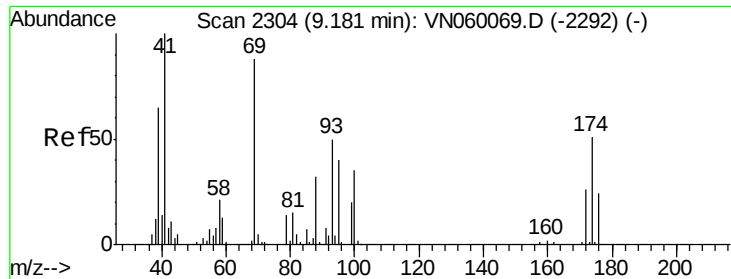
Tgt Ion: 63 Resp: 1086

Ion Ratio Lower Upper

63 100

65 0.0 25.0 37.4#

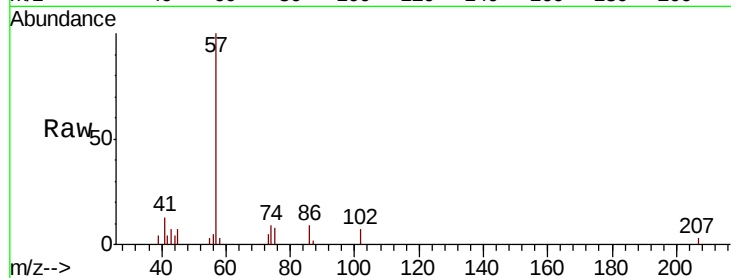




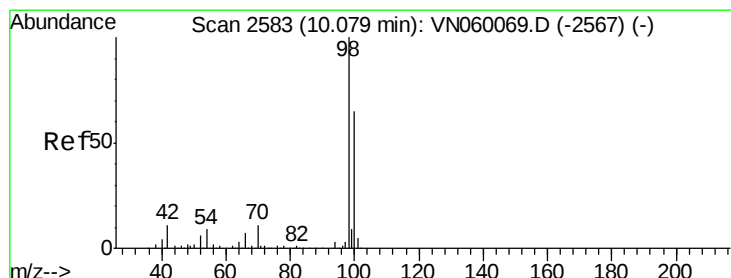
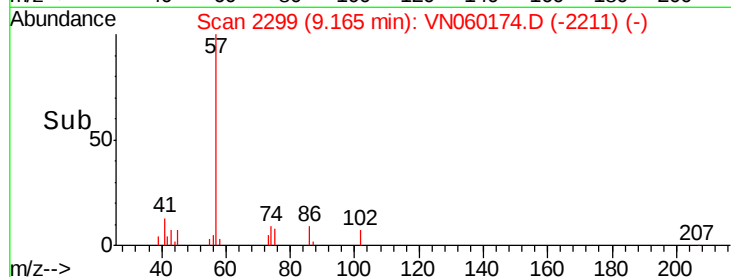
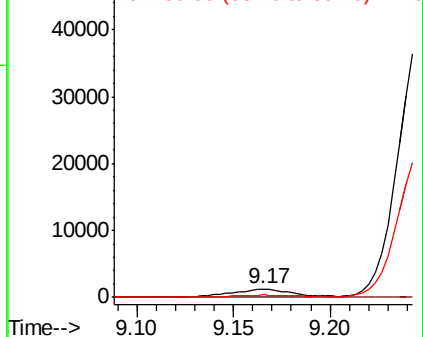
#48
Methvl methacrylate
Concen: 1.433 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.02 min
Lab File: VN060174.D
Acq: 20 Feb 2020 16:07

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 41 Resp: 2697
Ion Ratio Lower Upper
41 100
69 0.0 72.0 108.0#
39 0.0 54.1 81.1#

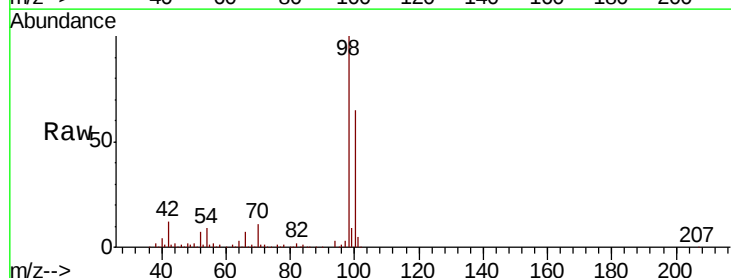


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

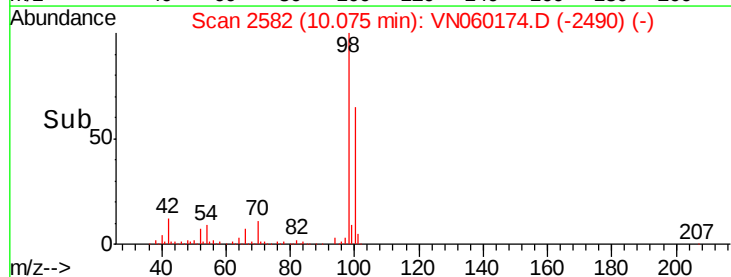
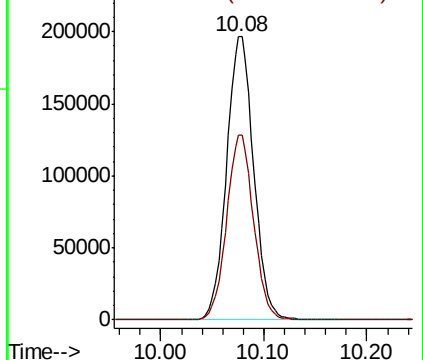


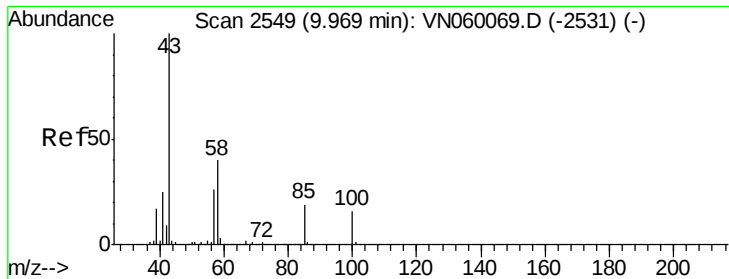
#50
Toluene-d8
Concen: 50.657 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060174.D
Acq: 20 Feb 2020 16:07

Tgt Ion: 98 Resp: 359494
Ion Ratio Lower Upper
98 100
100 64.9 51.7 77.5



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: 1.449 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060174.D

Acq: 20 Feb 2020 16:07

Instrument :

MSVOA_N

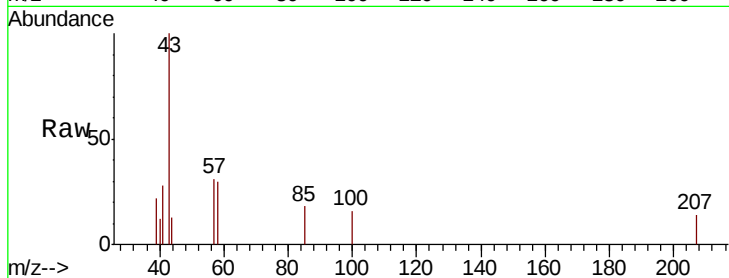
ClientSampled :

Tot Ion: 43 Resp: 3519

Ion Ratio Lower Upper

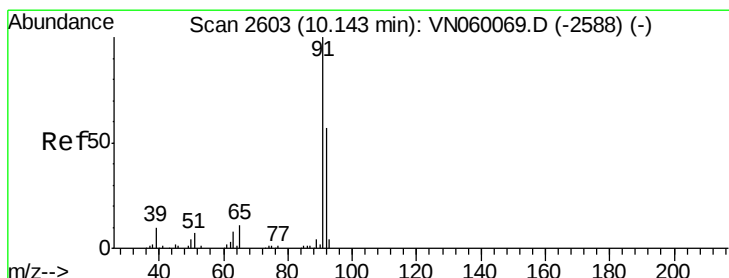
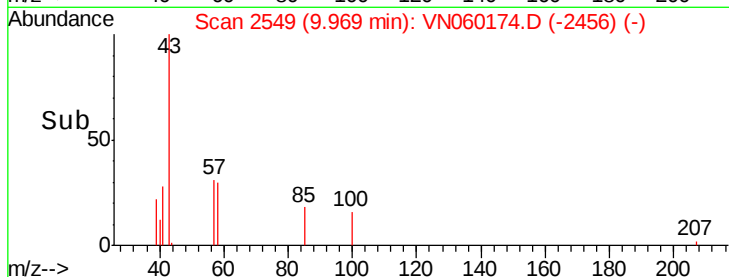
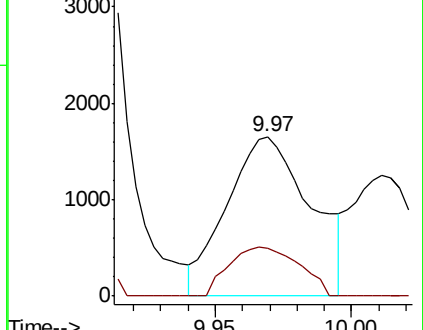
43 100

58 25.9 31.8 47.8#



Abundance Ion 43.00 (42.70 to 43.70): VN060069.D (-2531) (-)

Ion 58.00 (57.70 to 58.70): VN060069.D (-2531) (-)



#52

Toluene

Concen: 0.430 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. -0.00 min

Lab File: VN060174.D

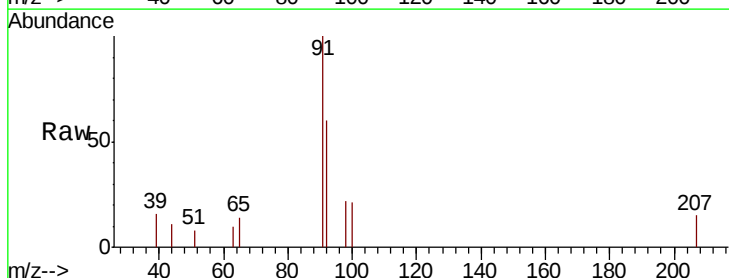
Acq: 20 Feb 2020 16:07

Tgt Ion: 92 Resp: 2223

Ion Ratio Lower Upper

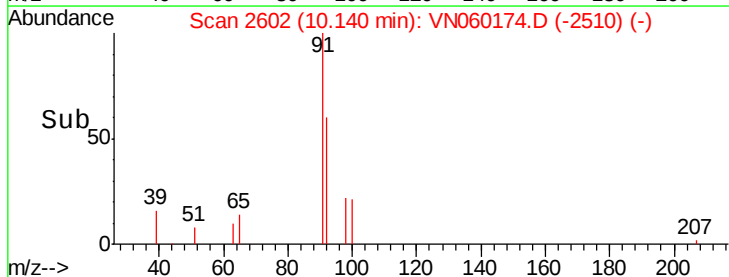
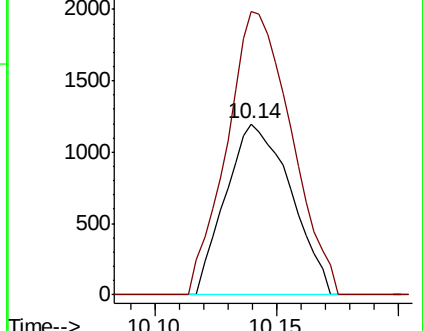
92 100

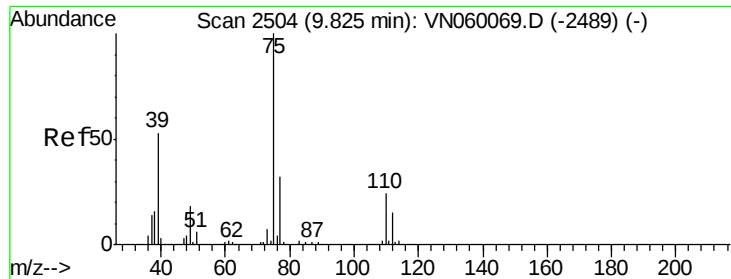
91 164.0 140.9 211.3



Abundance Ion 92.00 (91.70 to 92.70): VN060069.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN060069.D (-2588) (-)



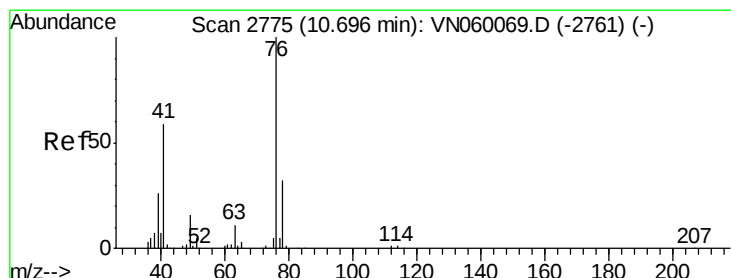
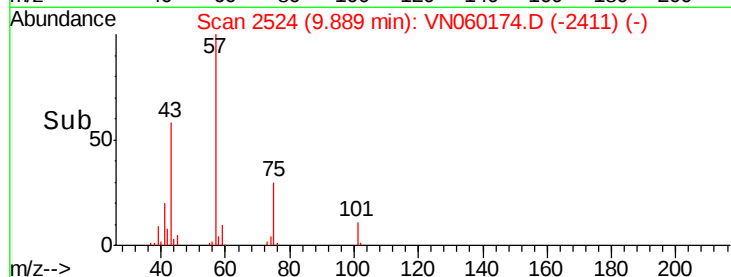
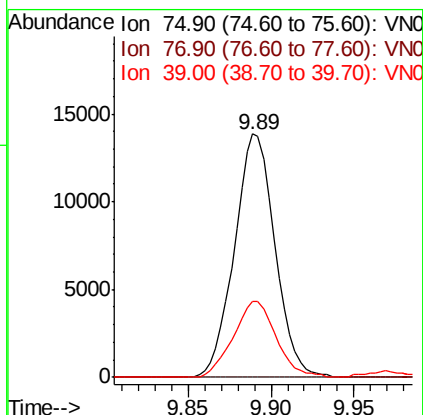
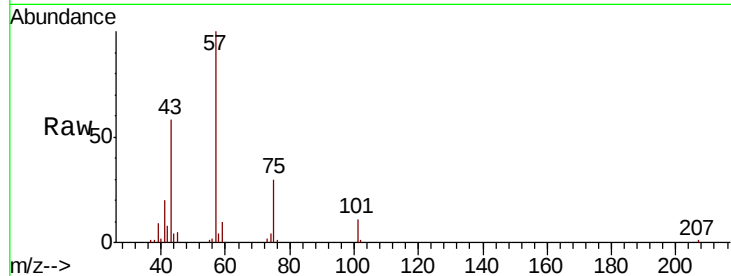


#54

cis-1,3-Dichloropropene
 Concen: 6.920 ug/l
 RT: 9.89 min Scan# 2524
 Delta R.T. 0.06 min
 Lab File: VN060174.D
 Acq: 20 Feb 2020 16:07

Instrument :
 MSVOA_N
 ClientSampleId :

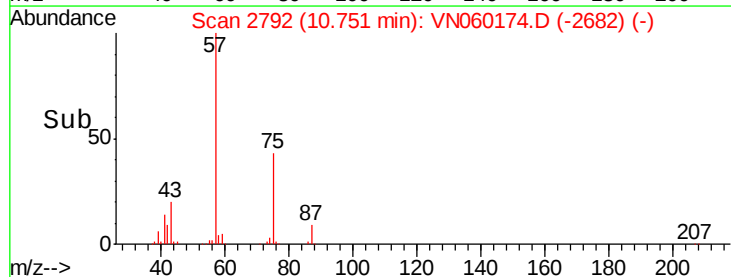
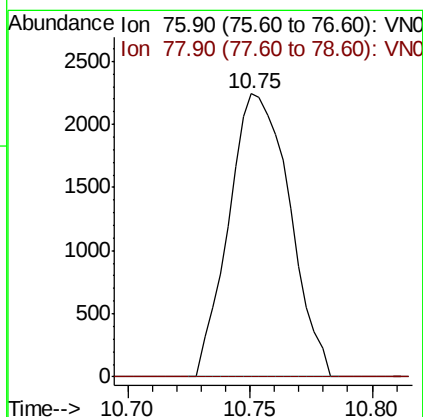
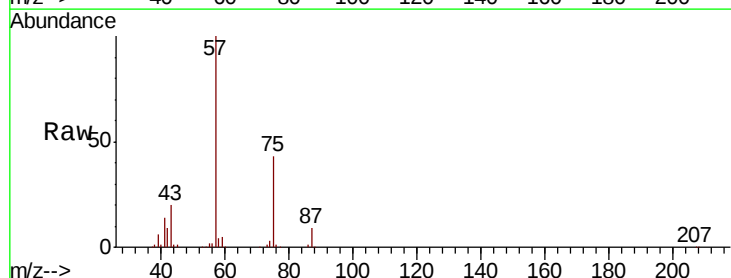
Tot Ion	Ratio	Lower	Upper
75	100		
77	0.0	25.6	38.4#
39	31.3	42.2	63.4#

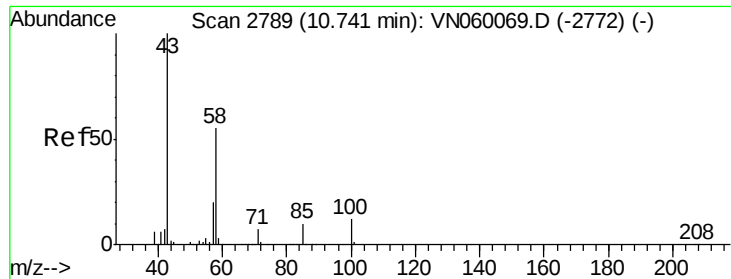


#57

1,3-Dichloropropane
 Concen: 1.167 ug/l
 RT: 10.75 min Scan# 2792
 Delta R.T. 0.05 min
 Lab File: VN060174.D
 Acq: 20 Feb 2020 16:07

Tgt Ion	Ratio	Lower	Upper
76	100		
78	0.0	25.7	38.5#

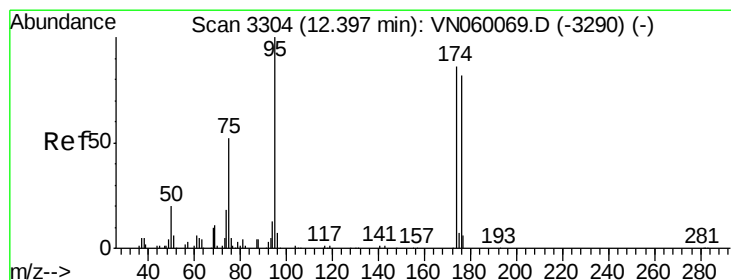
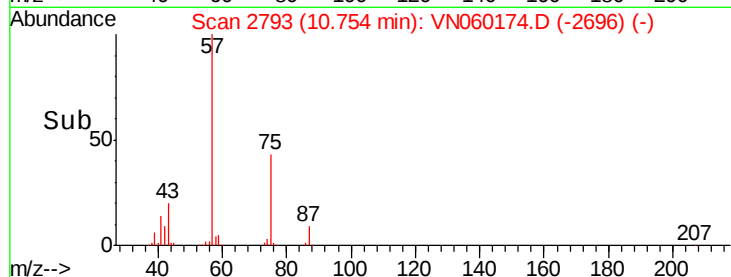
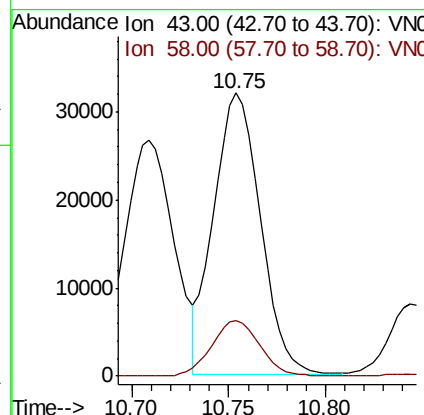
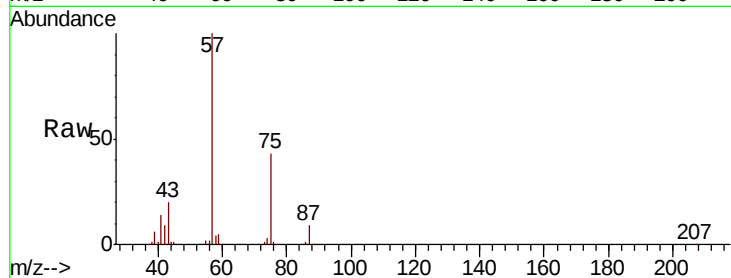




#59
2-Hexanone
Concen: 28.788 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN060174.D
Acq: 20 Feb 2020 16:07

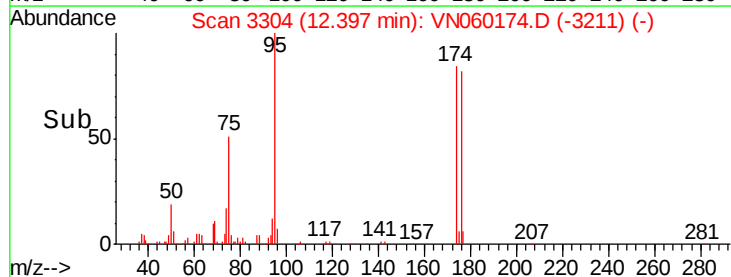
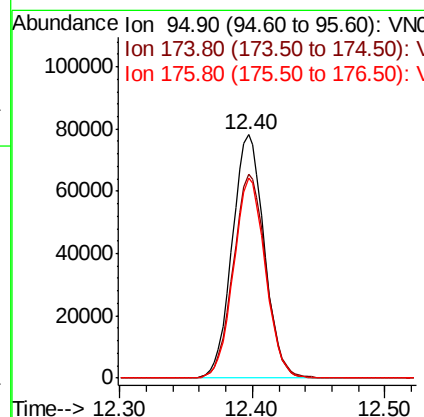
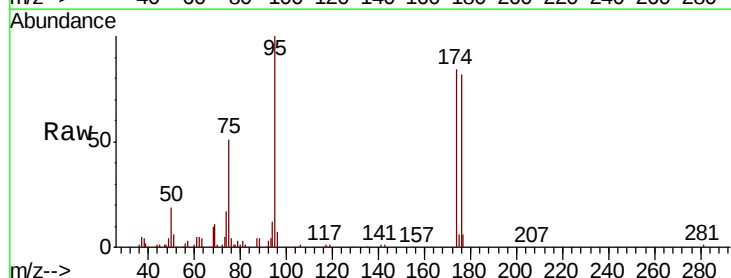
Instrument :
MSVOA_N
ClientSampleId :

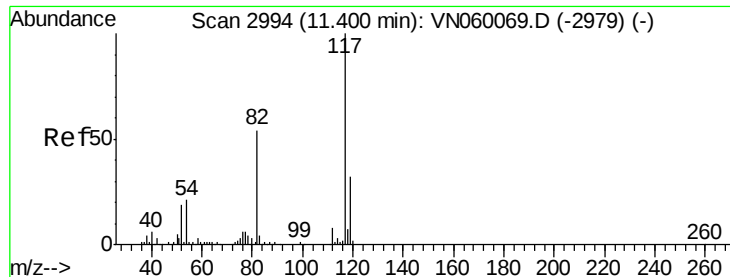
Tot Ion: 43 Resp: 53999
Ion Ratio Lower Upper
43 100
58 20.2 27.5 82.4#



#62
4-Bromofluorobenzene
Concen: 50.199 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN060174.D
Acq: 20 Feb 2020 16:07

Tgt Ion: 95 Resp: 130904
Ion Ratio Lower Upper
95 100
174 85.4 0.0 169.8
176 81.6 0.0 164.8

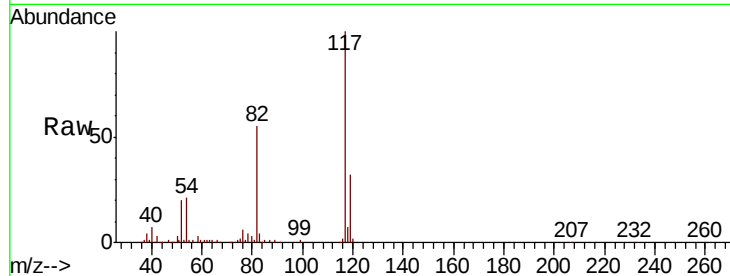




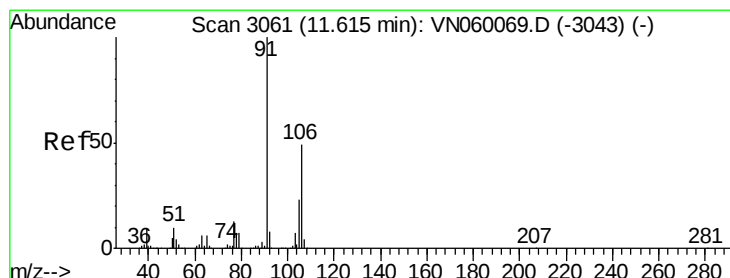
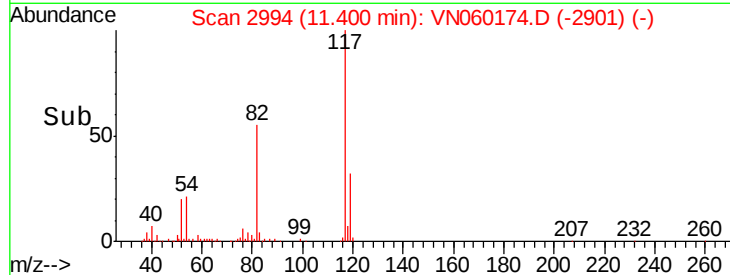
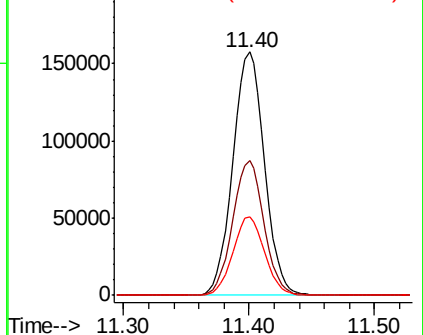
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060174.D
Acq: 20 Feb 2020 16:07

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 276430
Ion Ratio Lower Upper
117 100
82 55.1 43.4 65.0
119 32.1 25.8 38.6

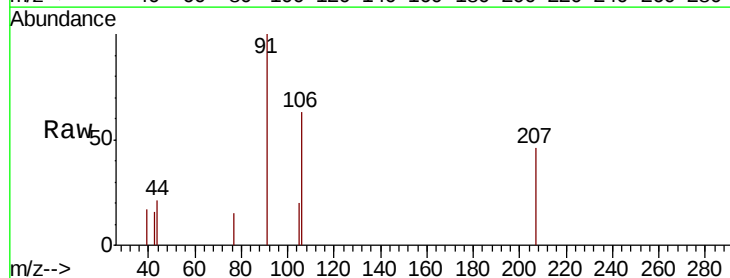


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

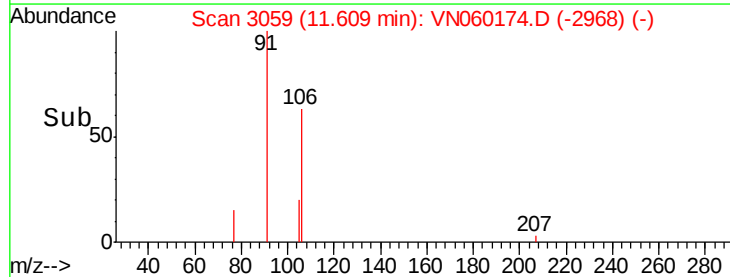
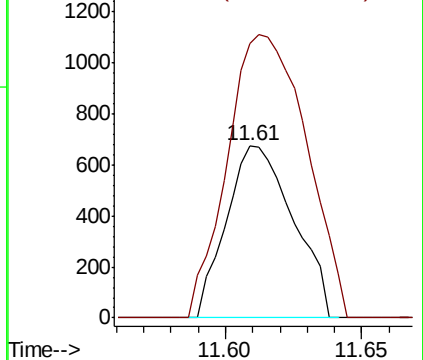


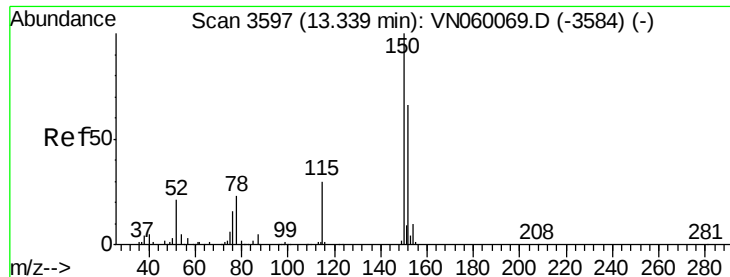
#68
m/p-Xylenes
Concen: 0.302 ug/l
RT: 11.61 min Scan# 3059
Delta R.T. -0.01 min
Lab File: VN060174.D
Acq: 20 Feb 2020 16:07

Tgt Ion:106 Resp: 1150
Ion Ratio Lower Upper
106 100
91 194.1 162.7 244.1



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



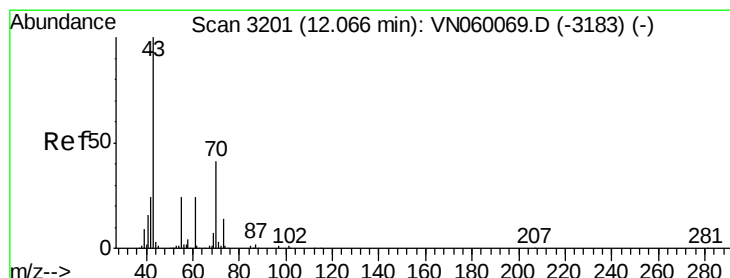
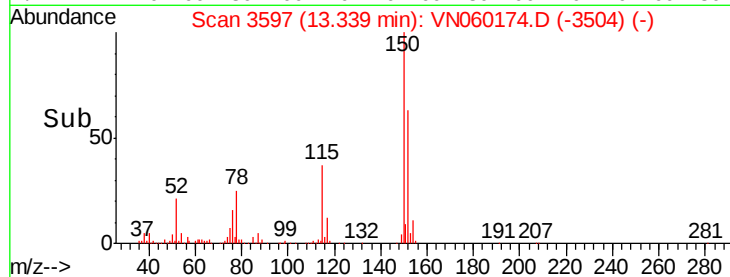
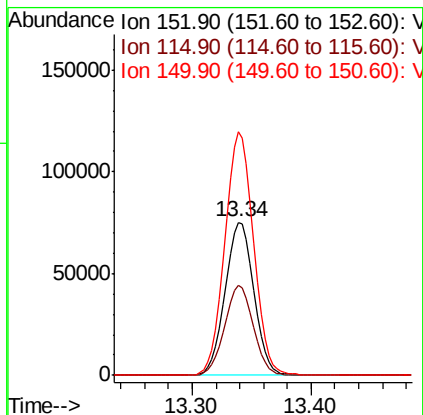
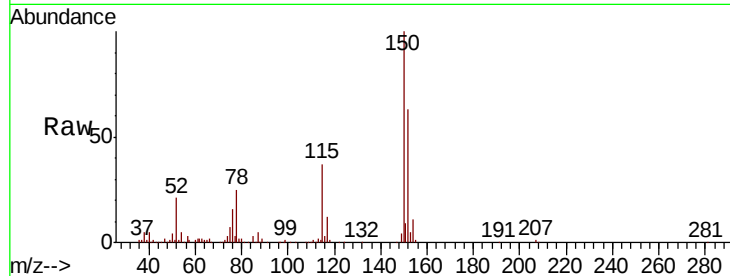


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060174.D
Acq: 20 Feb 2020 16:07

Instrument :
MSVOA_N
ClientSampled :

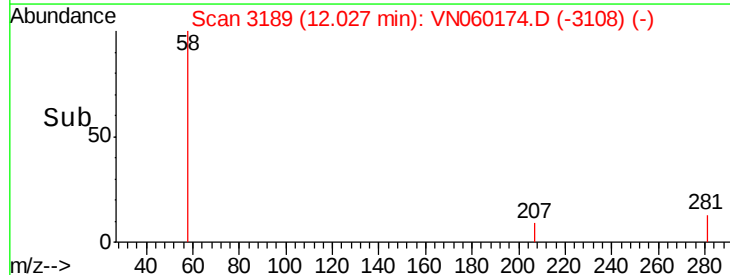
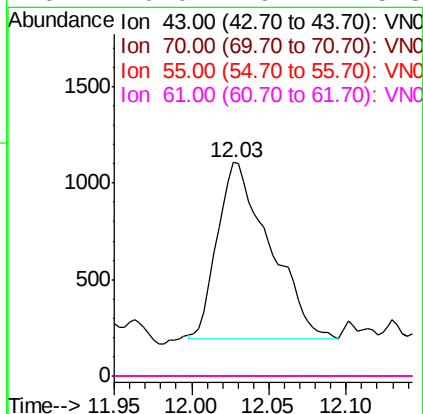
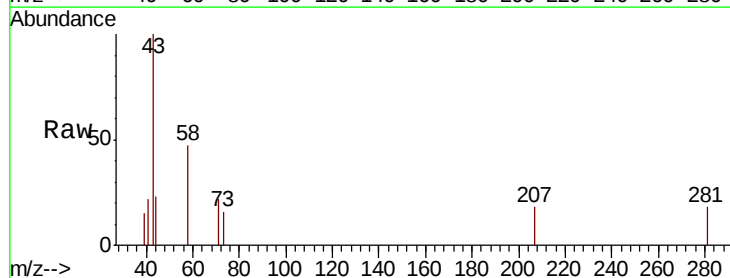
Tot Ion	Ratio	Lower	Upper
152	100		
115	58.5	28.9	86.8
150	158.3	0.0	342.4

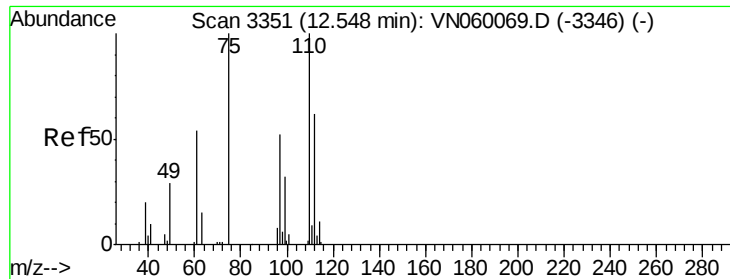


#74

N-ethyl acetate
Concen: 0.632 ug/l
RT: 12.03 min Scan# 3189
Delta R.T. -0.04 min
Lab File: VN060174.D
Acq: 20 Feb 2020 16:07

Tgt Ion	Ratio	Lower	Upper
43	100		
70	0.0	33.4	50.0#
55	0.0	18.8	28.2#
61	0.0	19.2	28.8#





#76

1,2,3-Trichloropropane

Concen: 28.103 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060174.D

Acq: 20 Feb 2020 16:07

Instrument :

MSVOA_N

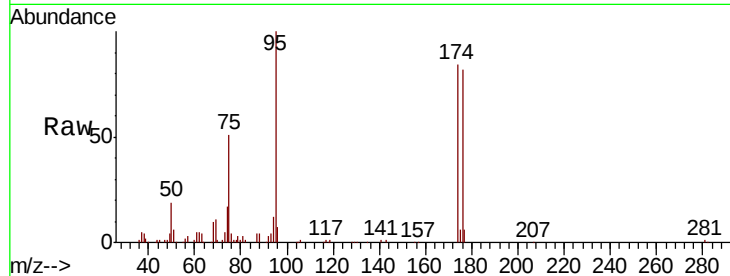
ClientSampled :

Tot Ion: 75 Resp: 67699

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN060069.D (-3346) (-)

Ion 77.00 (76.70 to 77.70): VN060069.D (-3346) (-)

12.40

40000

30000

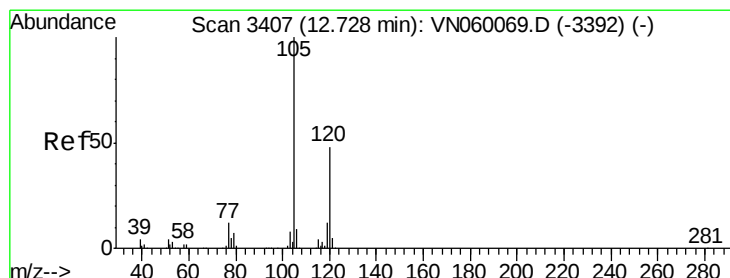
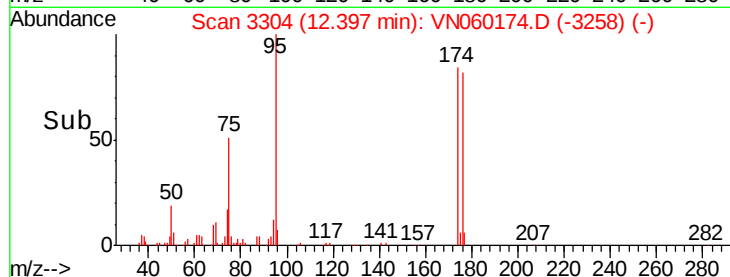
20000

10000

0

12.35 12.40 12.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 0.525 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN060174.D

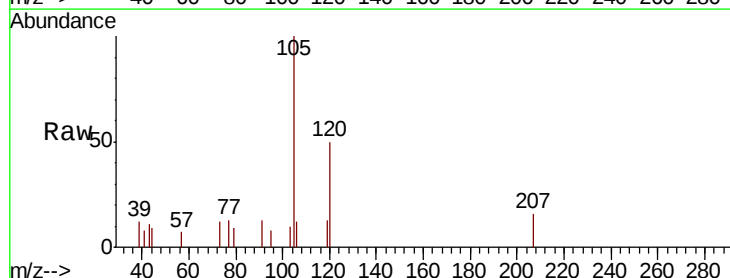
Acq: 20 Feb 2020 16:07

Tgt Ion: 105 Resp: 4105

Ion Ratio Lower Upper

105 100

120 44.9 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VN060069.D (-3392) (-)

Ion 120.00 (119.70 to 120.70): VN060069.D (-3392) (-)

12.73

2500

2000

1500

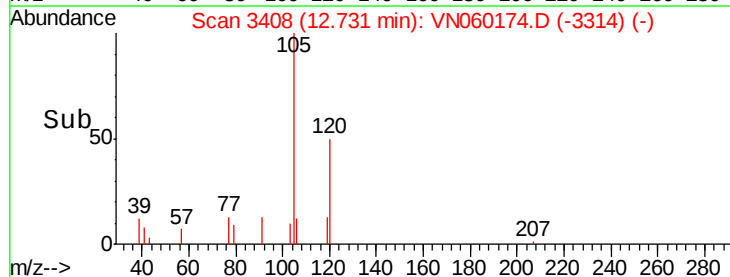
1000

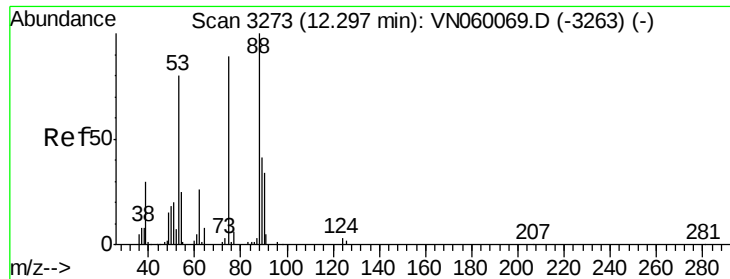
500

0

12.70 12.75

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 68.811 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060174.D

Acq: 20 Feb 2020 16:07

Instrument :

MSVOA_N

ClientSampled :

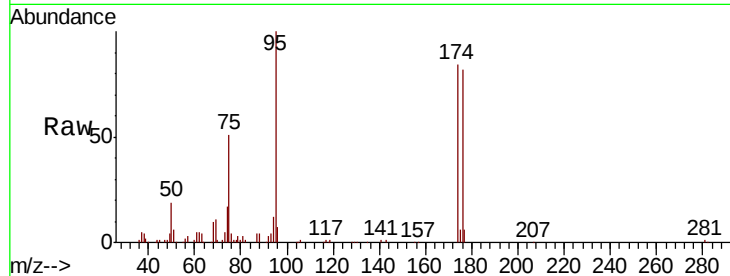
Tot Ion: 75 Resp: 67699

Ion Ratio Lower Upper

75 100

53 0.0 73.9 110.9#

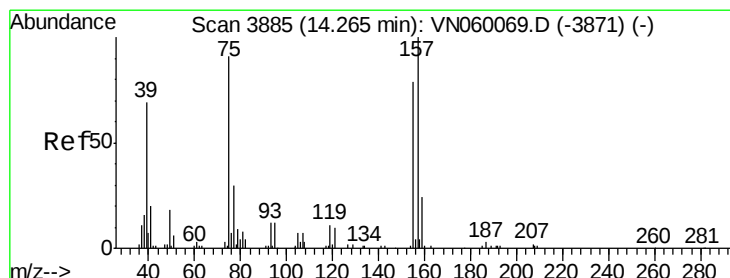
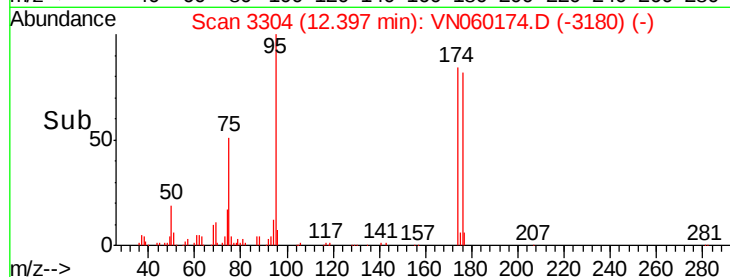
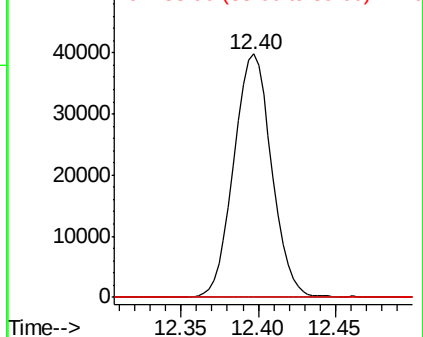
89 0.0 37.0 55.4#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.31 min Scan# 3900

Delta R.T. 0.05 min

Lab File: VN060174.D

Acq: 20 Feb 2020 16:07

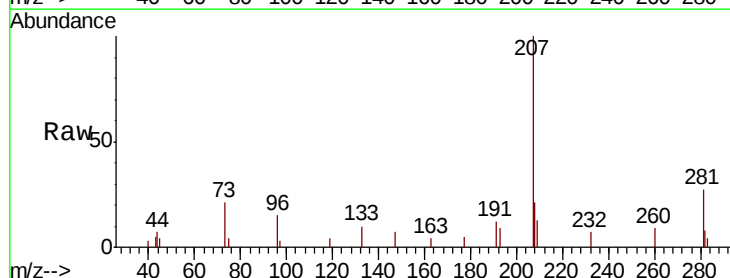
Tgt Ion: 75 Resp: 161

Ion Ratio Lower Upper

75 100

155 0.0 43.0 129.0#

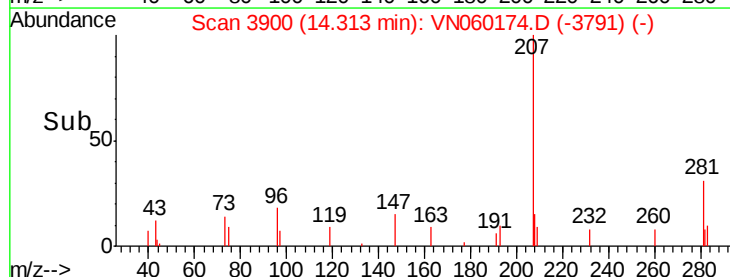
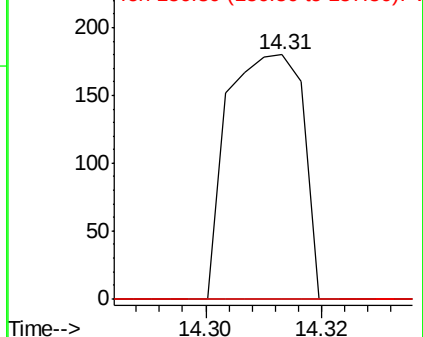
157 0.0 54.9 164.5#

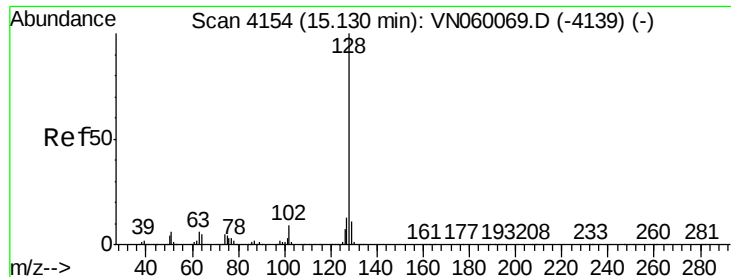


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

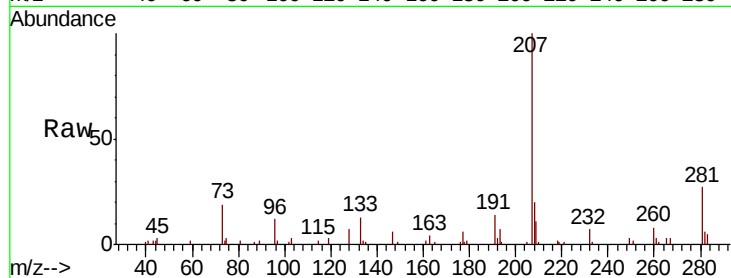




#95
 Naphthalene
 Concen: 0.273 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN060174.D
 Acq: 20 Feb 2020 16:07

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	3.8	10.3	15.5#
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

