

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102220\
 Data File : VN064274.D
 Acq On : 23 Oct 2020 00:47
 Operator : JC/MD
 Sample : L4436-09
 Misc : 12.71µ/5mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 36B

Quant Time: Oct 23 03:44:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102120W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 21 12:48:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	236965	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	420523	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	410457	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	198840	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.98	65	185579	52.73	ug/l	0.00
Spiked Amount			Recovery	=	105.46%	
35) Dibromofluoromethane	7.55	113	136019	48.65	ug/l	0.00
Spiked Amount			Recovery	=	97.30%	
50) Toluene-d8	10.06	98	515447	50.82	ug/l	0.00
Spiked Amount			Recovery	=	101.64%	
62) 4-Bromofluorobenzene	12.38	95	234234	56.97	ug/l	0.00
Spiked Amount			Recovery	=	113.94%	

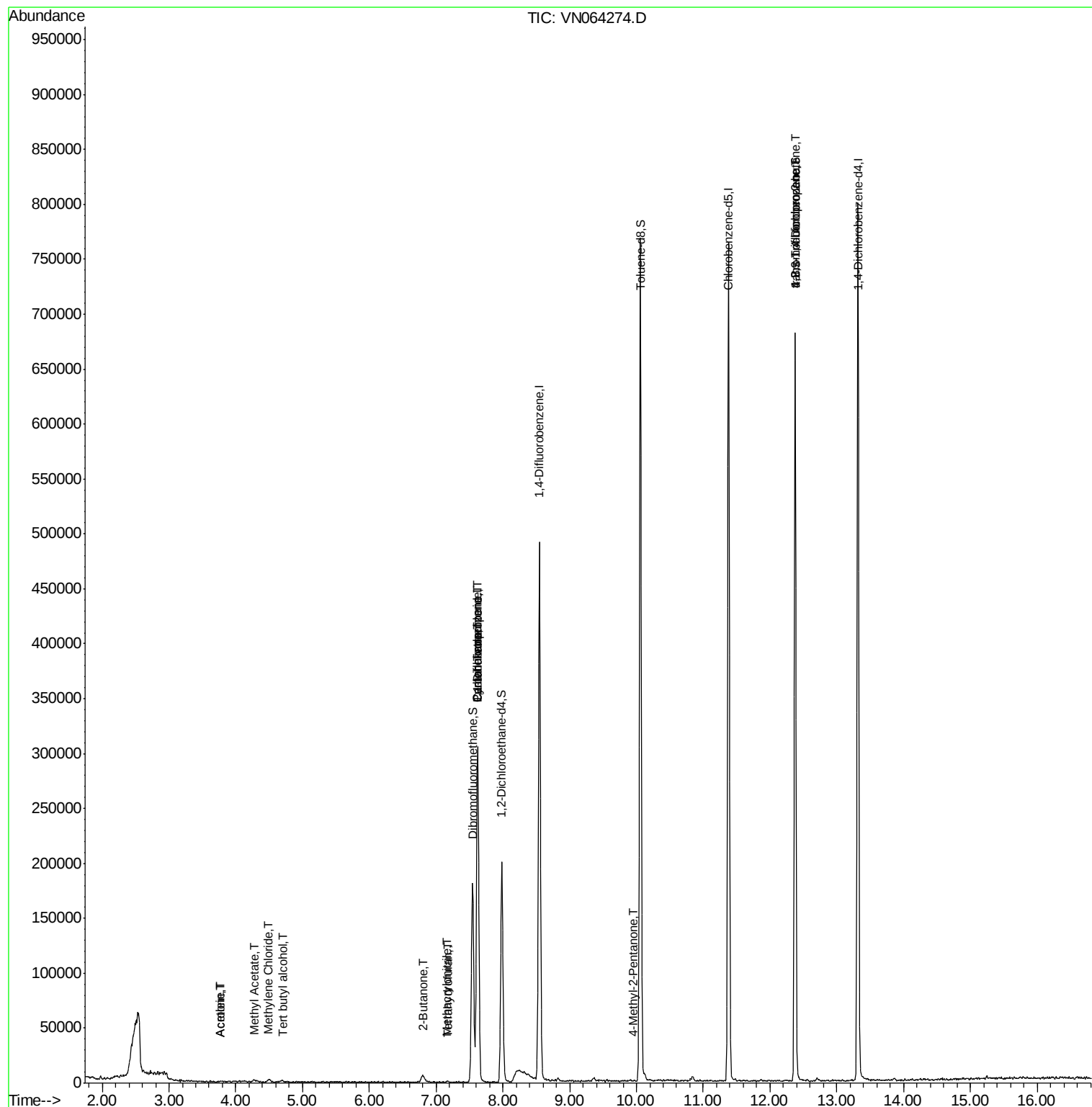
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.70	59	375	0.796	ug/l #	70
13) Acrolein	3.77	56	135	0.457	ug/l #	43
16) Acetone	3.77	43	396	0.393	ug/l #	49
18) Methyl Acetate	4.28	43	1252	0.488	ug/l	99
20) Methylene Chloride	4.49	84	541	0.201	ug/l #	50
25) 2-Butanone	6.79	43	891	0.557	ug/l #	51
29) Tetrahydrofuran	7.18	42	321	0.335	ug/l #	38
31) Cyclohexane	7.62	56	5779	1.385	ug/l #	43
36) 1,1-Dichloropropene	7.62	75	21350	5.093	ug/l #	49
38) Carbon Tetrachloride	7.62	117	26275	5.508	ug/l #	13
41) Methacrylonitrile	7.17	41	406	0.203	ug/l #	26
51) 4-Methyl-2-Pentanone	9.96	43	1013	0.267	ug/l #	39
76) 1,2,3-Trichloropropane	12.38	75	128755	30.715	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	128755	77.548	ug/l #	9

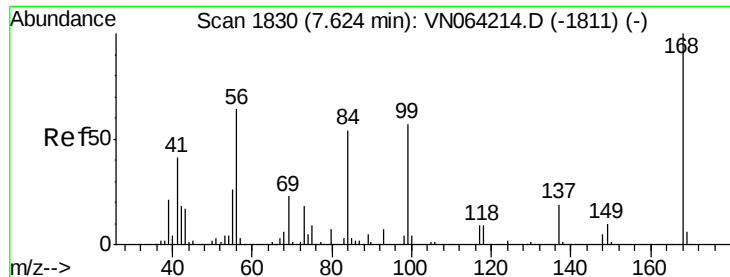
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Acq On : 23 Oct 2020 00:47
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Quant Time: Oct 23 03:44:26 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N102120W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 21 12:48:40 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN064274.D

Acq: 23 Oct 2020 00:47

Instrument :

MSVOA_N

ClientSampled :

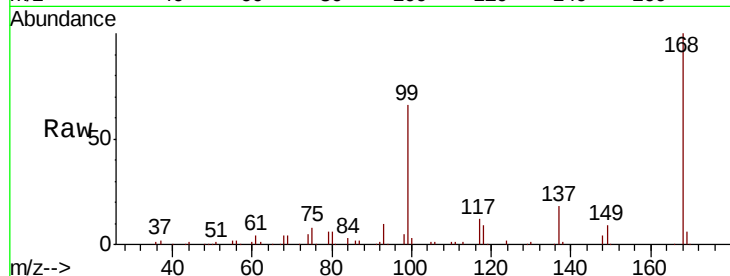
36B

Tot Ion:168 Resp: 236965

Ion Ratio Lower Upper

168 100

99 66.0 54.0 81.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

100000

80000

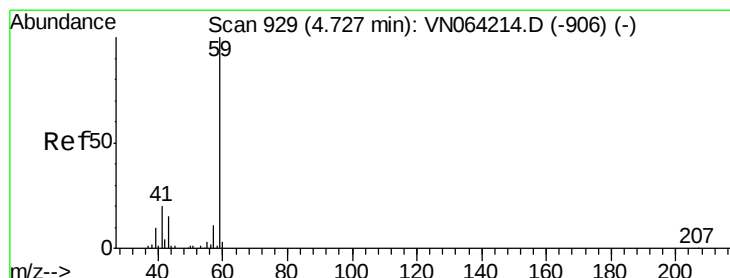
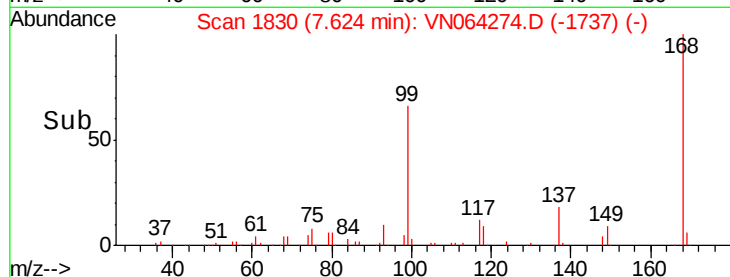
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#11

Tert butyl alcohol

Concen: 0.796 ug/l

RT: 4.70 min Scan# 921

Delta R.T. -0.03 min

Lab File: VN064274.D

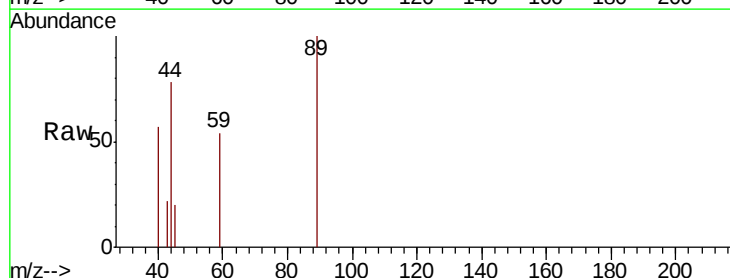
Acq: 23 Oct 2020 00:47

Tgt Ion: 59 Resp: 375

Ion Ratio Lower Upper

59 100

57 0.0 9.2 13.8#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.70

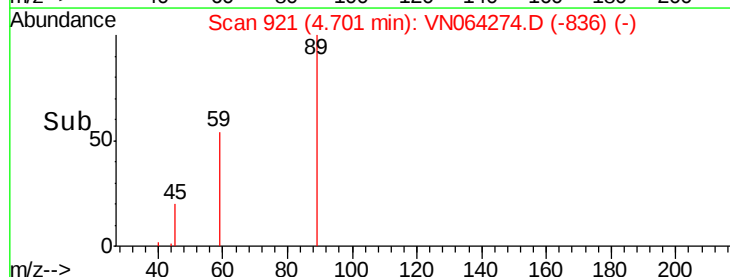
600

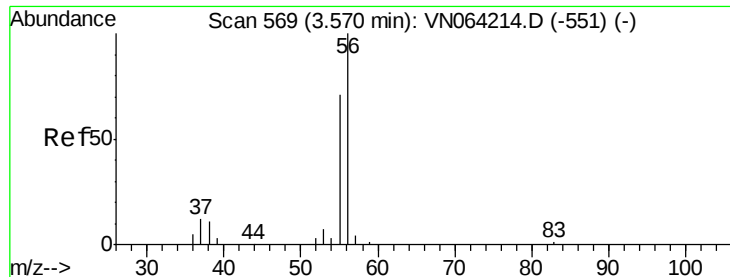
400

200

0

Time--> 4.70 4.72

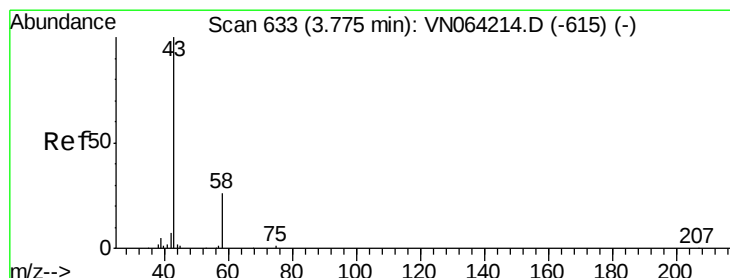
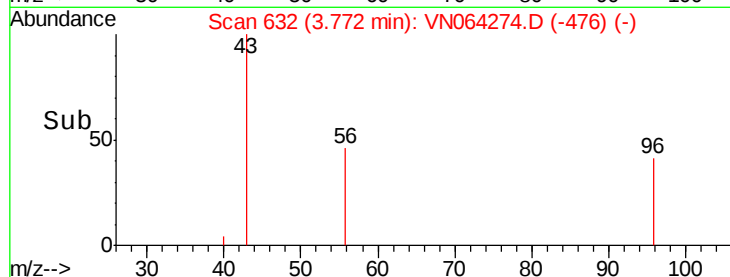
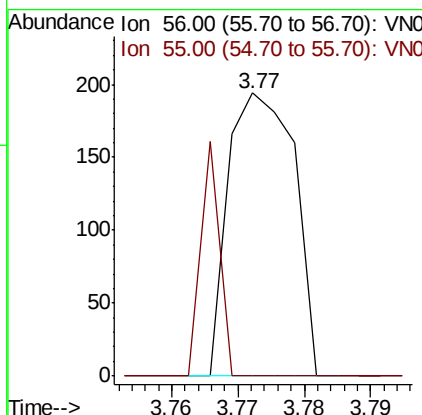
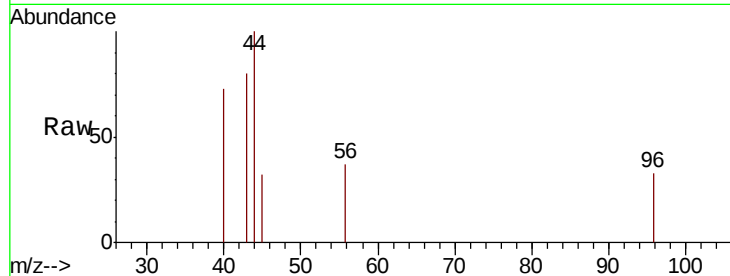




#13
Acrolein
Concen: 0.457 ug/l
RT: 3.77 min Scan# 632
Delta R.T. 0.20 min
Lab File: VN064274.D
Acq: 23 Oct 2020 00:47

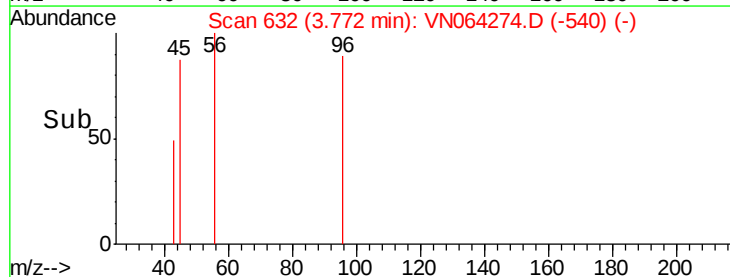
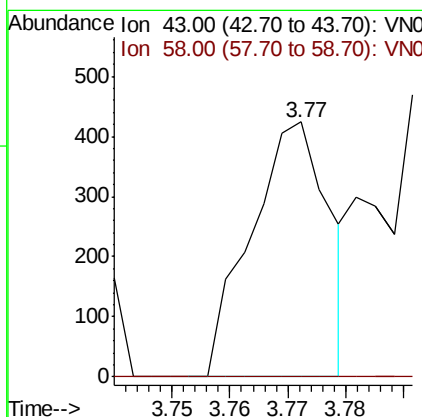
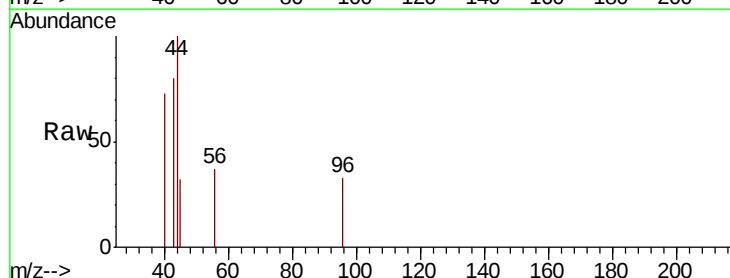
Instrument :
MSVOA_N
ClientSampled :
36B

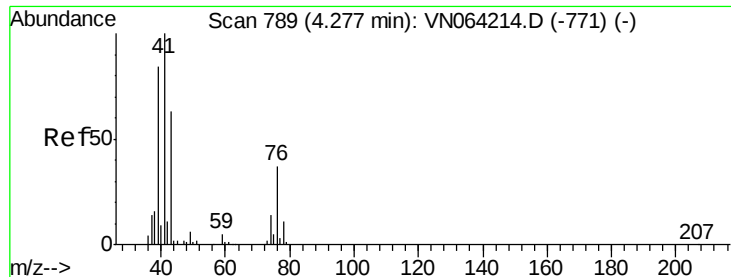
Tot Ion: 56 Resp: 135
Ion Ratio Lower Upper
56 100
55 23.0 56.1 84.1#



#16
Acetone
Concen: 0.393 ug/l
RT: 3.77 min Scan# 632
Delta R.T. -0.00 min
Lab File: VN064274.D
Acq: 23 Oct 2020 00:47

Tgt Ion: 43 Resp: 396
Ion Ratio Lower Upper
43 100
58 0.0 21.0 31.4#

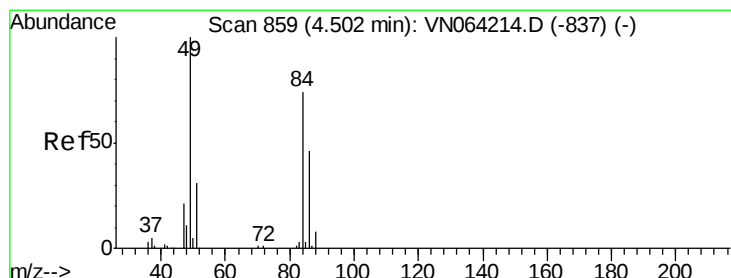
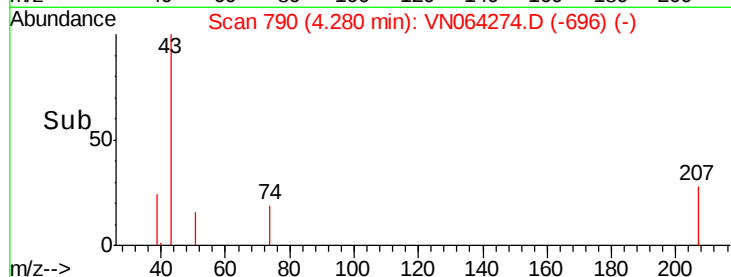
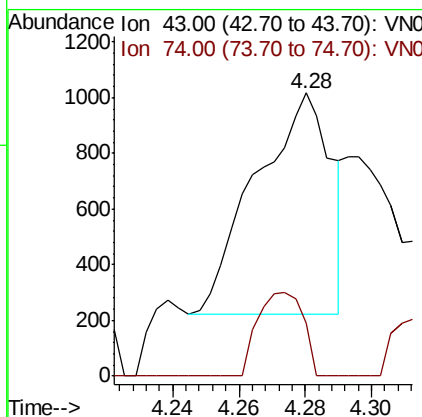
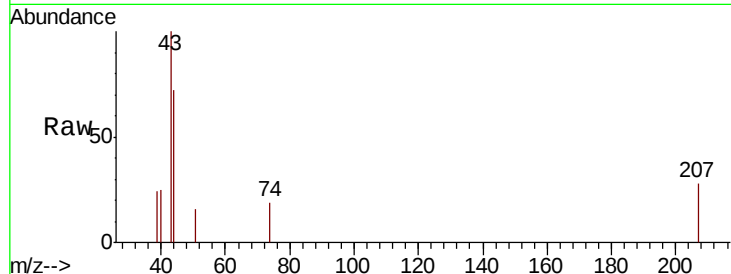




#18
Methyl Acetate
Concen: 0.488 ug/l
RT: 4.28 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN064274.D
Acq: 23 Oct 2020 00:47

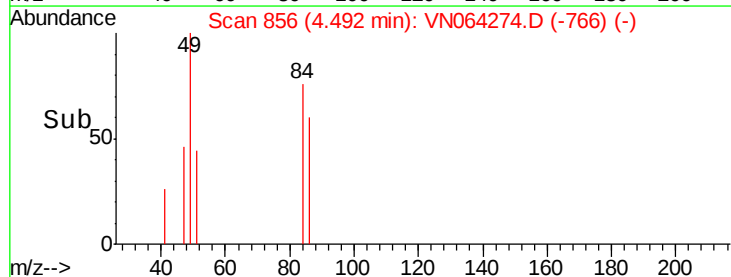
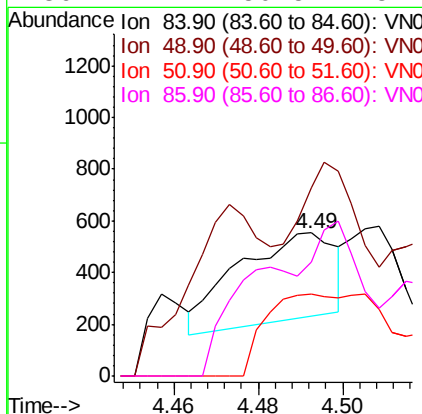
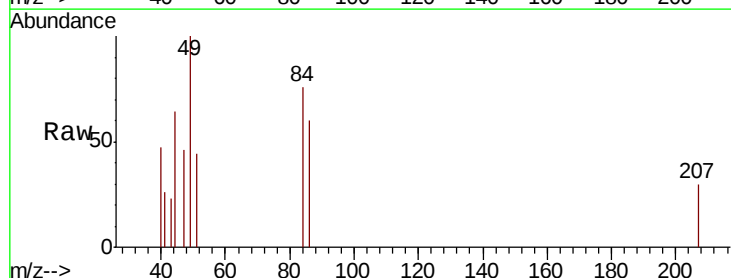
Instrument :
MSVOA_N
ClientSampled :
36B

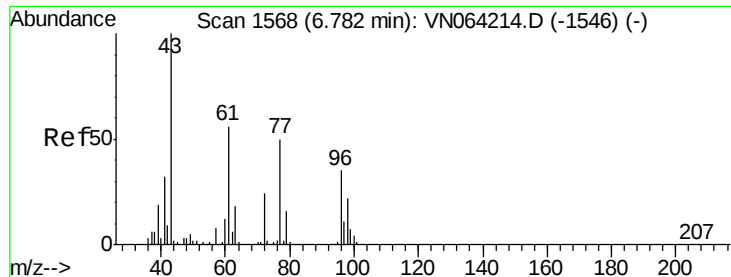
Tot Ion: 43 Resp: 1252
Ion Ratio Lower Upper
43 100
74 22.8 17.9 26.9



#20
Methylene Chloride
Concen: 0.201 ug/l
RT: 4.49 min Scan# 856
Delta R.T. -0.01 min
Lab File: VN064274.D
Acq: 23 Oct 2020 00:47

Tgt Ion: 84 Resp: 541
Ion Ratio Lower Upper
84 100
49 124.0 108.5 162.7
51 104.6 33.8 50.8#
86 144.7 50.5 75.7#





#25

2-Butanone

Concen: 0.557 ug/l

RT: 6.79 min Scan# 1571

Delta R.T. 0.01 min

Lab File: VN064274.D

Acq: 23 Oct 2020 00:47

Instrument :

MSVOA_N

ClientSampled :

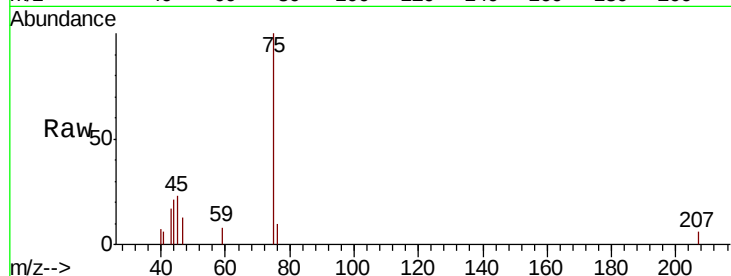
36B

Tot Ion: 43 Resp: 891

Ion Ratio Lower Upper

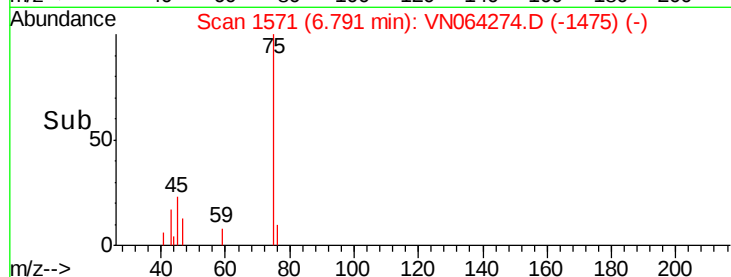
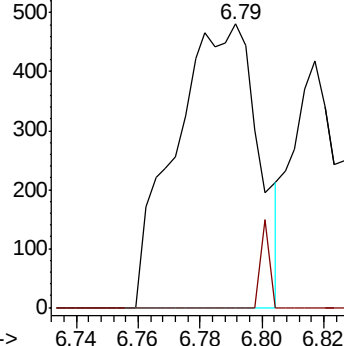
43 100

72 0.0 19.4 29.0#

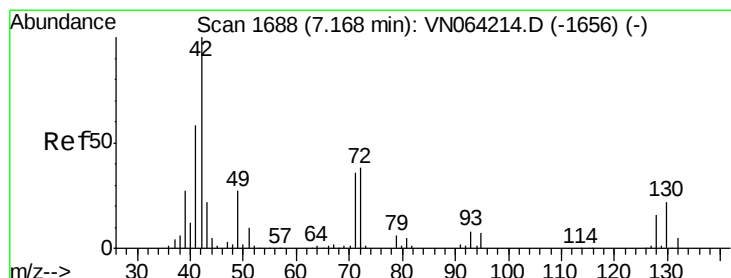


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



Time-->



#29

Tetrahydrofuran

Concen: 0.335 ug/l

RT: 7.18 min Scan# 1692

Delta R.T. 0.01 min

Lab File: VN064274.D

Acq: 23 Oct 2020 00:47

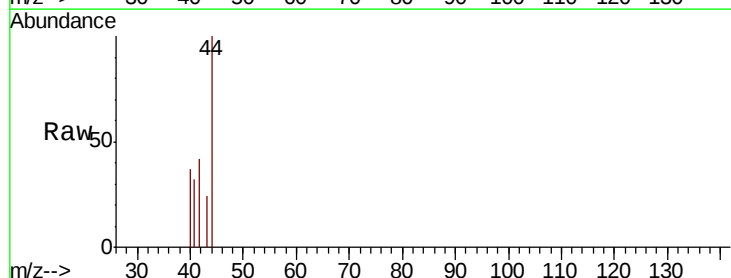
Tgt Ion: 42 Resp: 321

Ion Ratio Lower Upper

42 100

72 0.0 30.8 46.2#

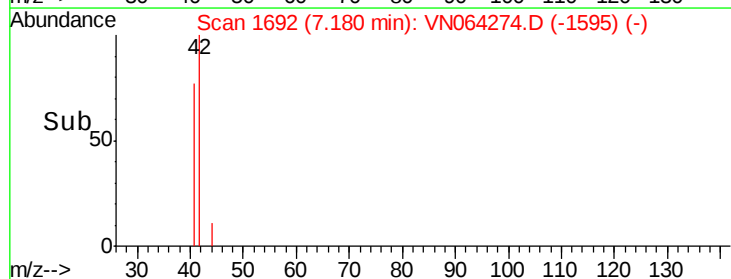
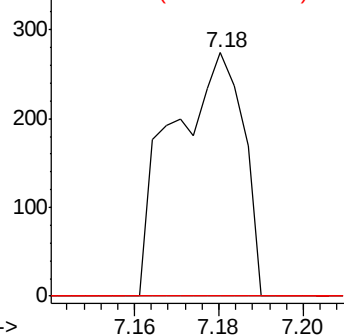
71 0.0 29.0 43.6#



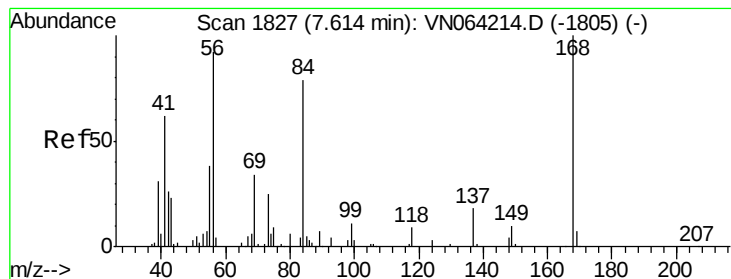
Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



Time-->



#31

Cyclohexane

Concen: 1.385 ug/l

RT: 7.62 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN064274.D

Acq: 23 Oct 2020 00:47

Instrument :

MSVOA_N

ClientSampled :

36B

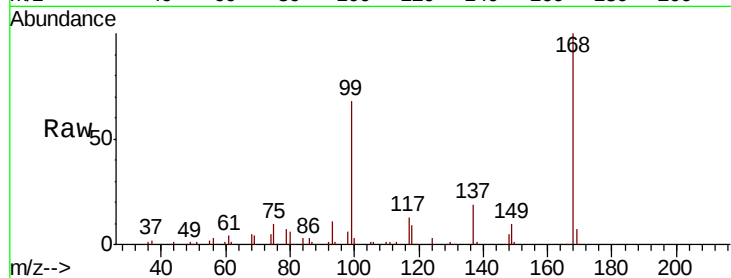
Tot Ion: 56 Resp: 5779

Ion Ratio Lower Upper

56 100

69 136.0 29.8 44.6#

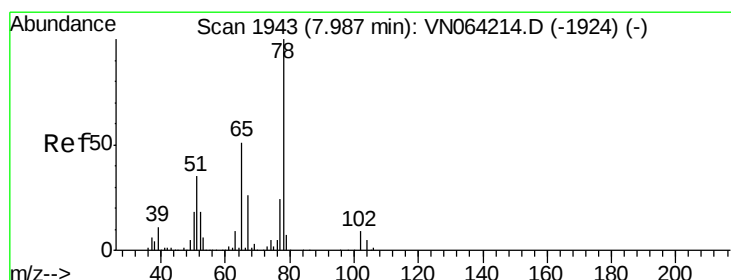
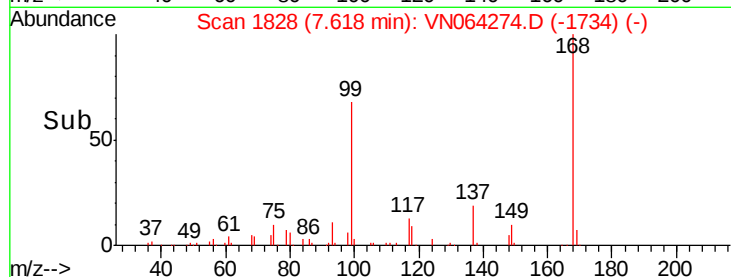
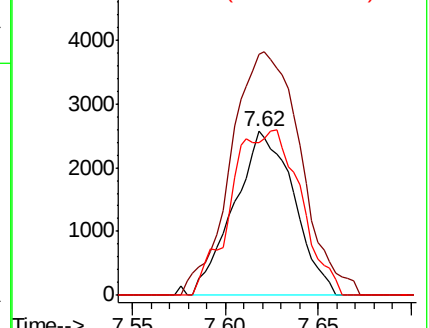
84 93.4 68.1 102.1



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: 52.735 ug/l

RT: 7.98 min Scan# 1942

Delta R.T. -0.00 min

Lab File: VN064274.D

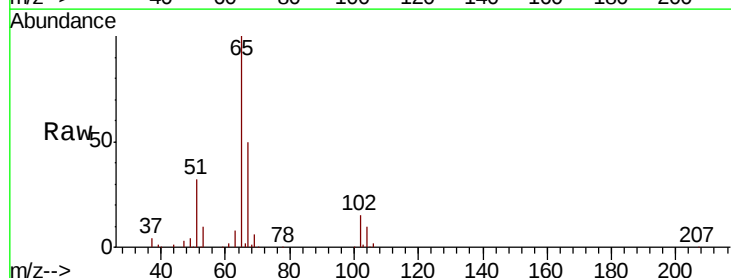
Acq: 23 Oct 2020 00:47

Tgt Ion: 65 Resp: 185579

Ion Ratio Lower Upper

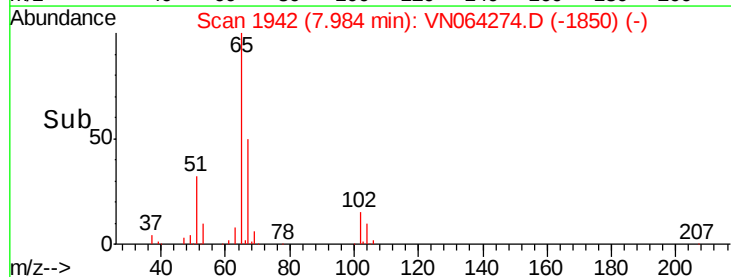
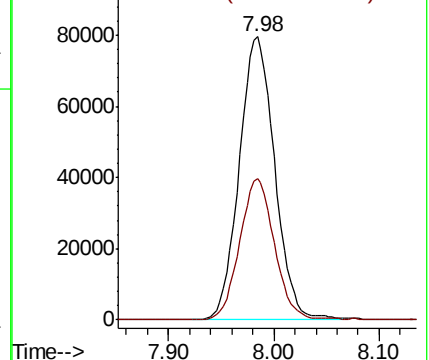
65 100

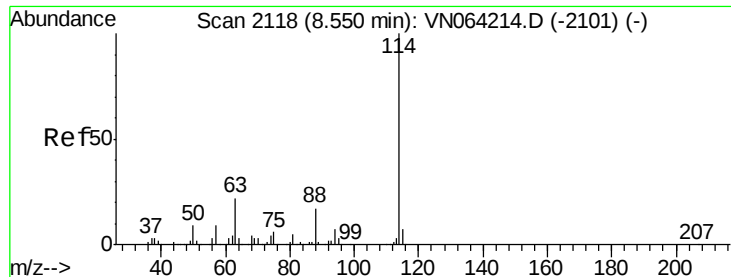
67 48.7 0.0 100.2



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: 8.55 min Scan# 2117

Delta R.T. -0.00 min

Lab File: VN064274.D

Acq: 23 Oct 2020 00:47

Instrument :

MSVOA_N

ClientSampled :

36B

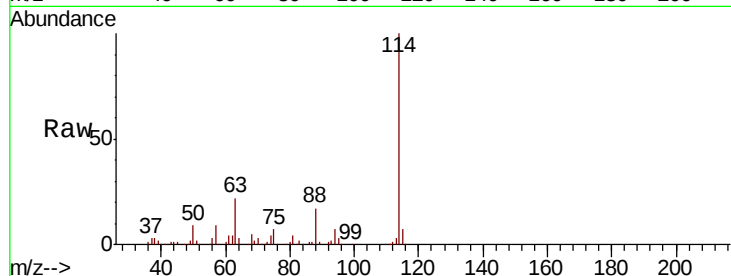
Tot Ion:114 Resp: 420523

Ion Ratio Lower Upper

114 100

63 21.8 0.0 44.0

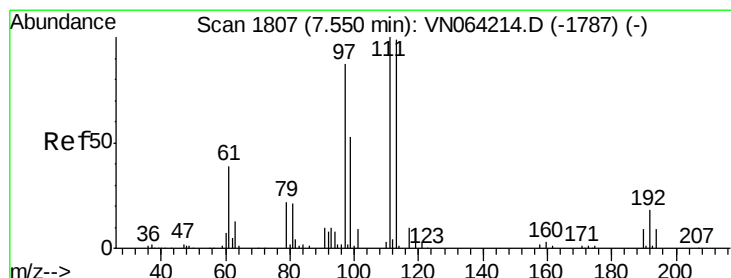
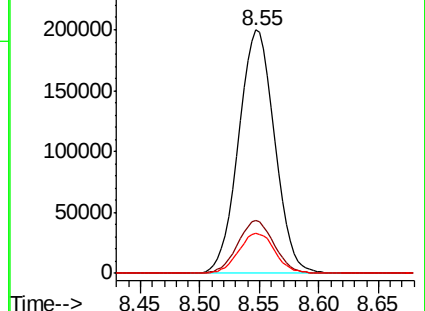
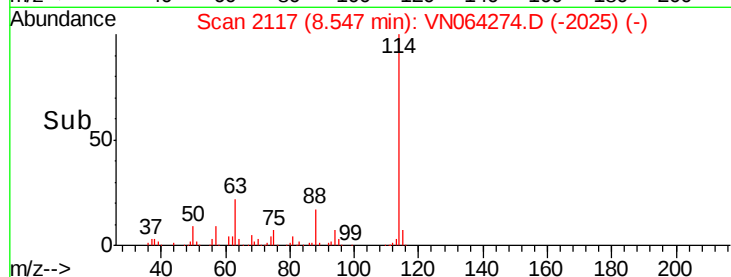
88 16.5 0.0 34.2



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: 48.651 ug/l

RT: 7.55 min Scan# 1806

Delta R.T. -0.00 min

Lab File: VN064274.D

Acq: 23 Oct 2020 00:47

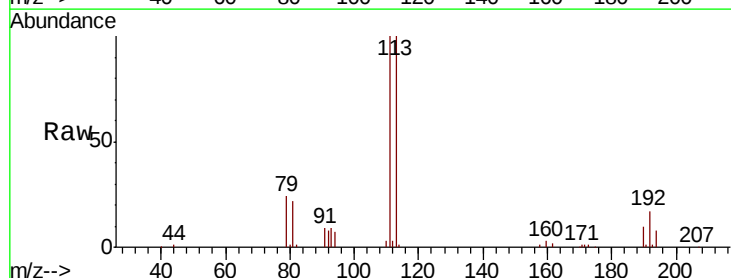
Tgt Ion:113 Resp: 136019

Ion Ratio Lower Upper

113 100

111 102.4 84.2 126.2

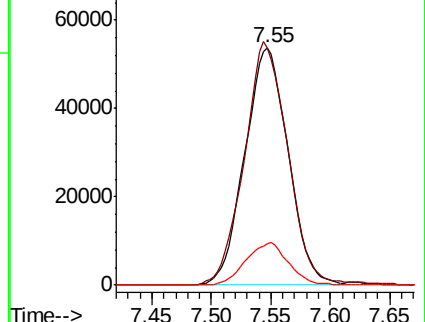
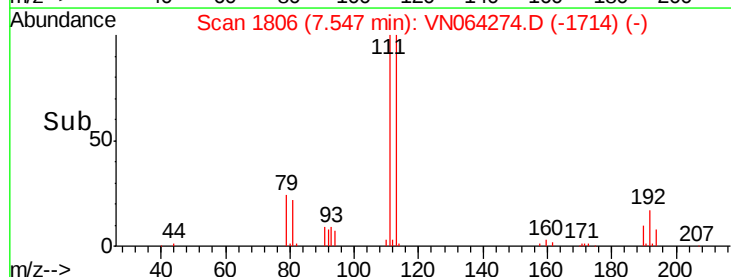
192 17.4 15.2 22.8

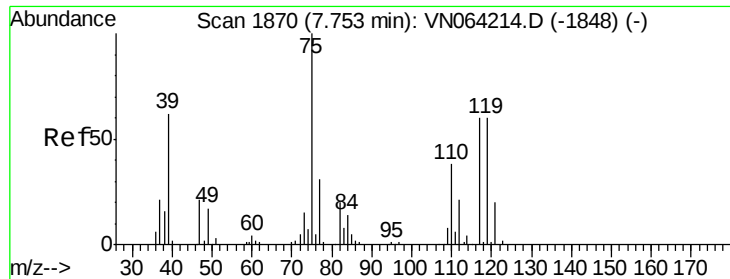


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

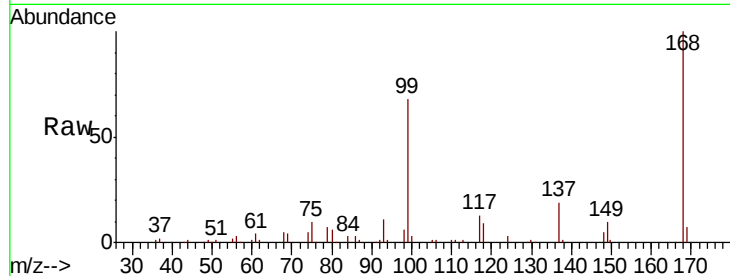




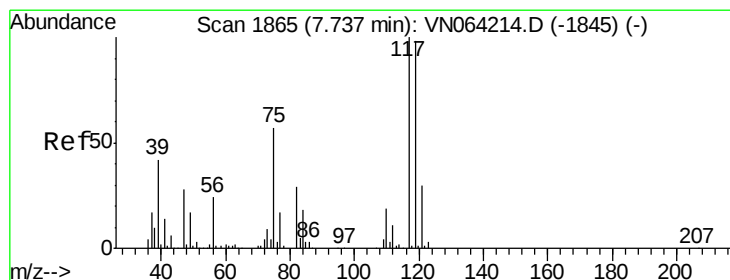
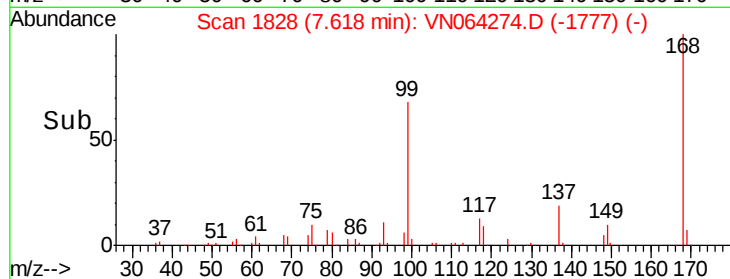
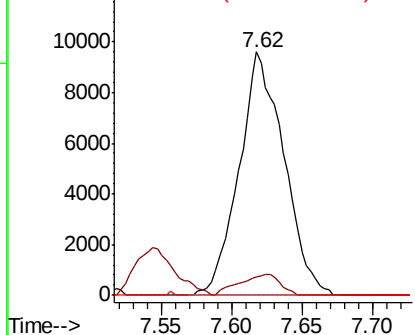
#36
 1,1-Dichloropropene
 Concen: 5.093 ug/l
 RT: 7.62 min Scan# 1828
 Delta R.T. -0.13 min
 Lab File: VN064274.D
 Acq: 23 Oct 2020 00:47

Instrument :
 MSVOA_N
 ClientSampleId :
 36B

Tot Ion	Ratio	Lower	Upper
75	100		
110	7.8	17.2	51.6#
77	0.0	24.9	37.3#

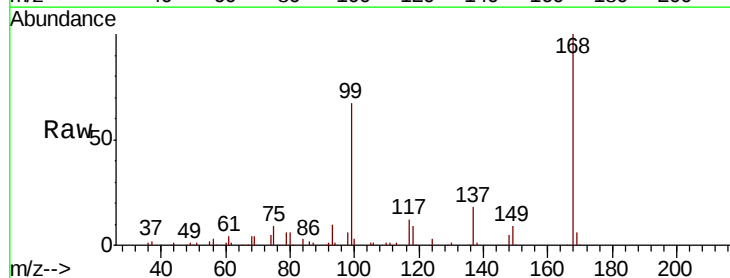


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0

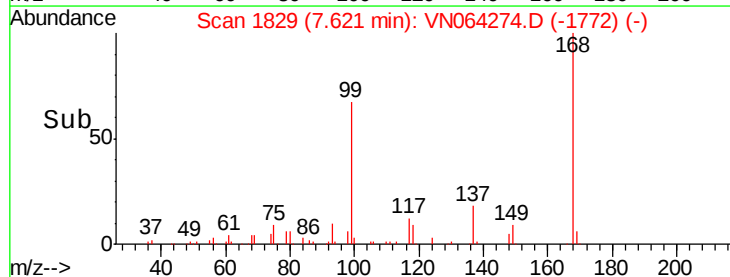
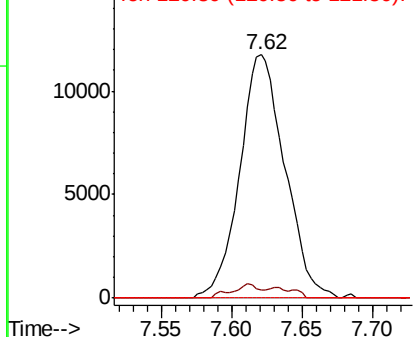


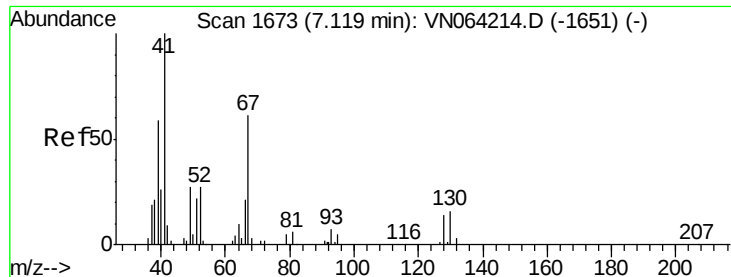
#38
 Carbon Tetrachloride
 Concen: 5.508 ug/l
 RT: 7.62 min Scan# 1829
 Delta R.T. -0.12 min
 Lab File: VN064274.D
 Acq: 23 Oct 2020 00:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.1	78.5	117.7#
121	0.0	24.3	36.5#



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

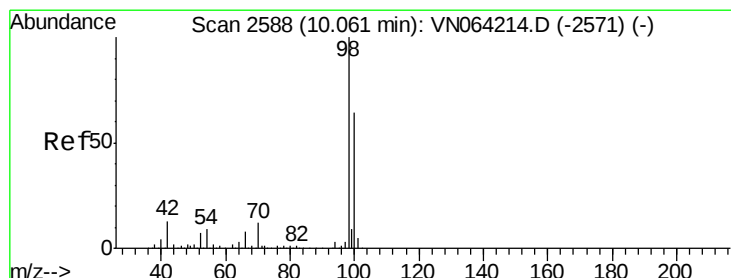
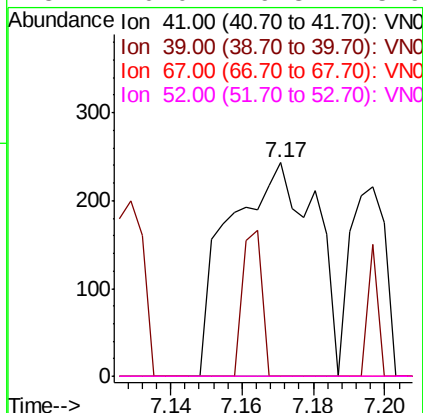
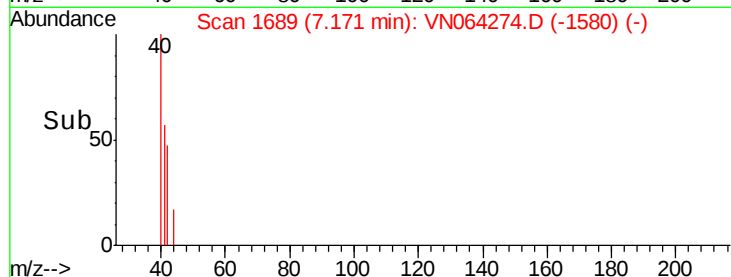
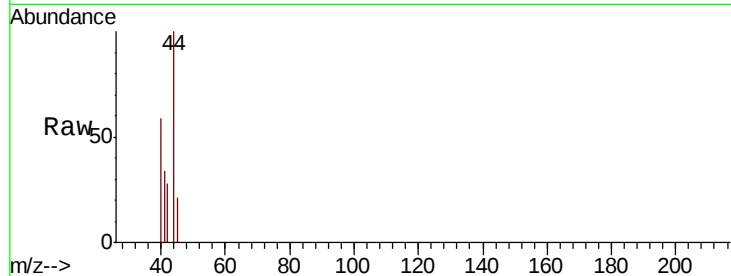




#41
Methacrylonitrile
Concen: 0.203 ug/l
RT: 7.17 min Scan# 1689
Delta R.T. 0.05 min
Lab File: VN064274.D
Acq: 23 Oct 2020 00:47

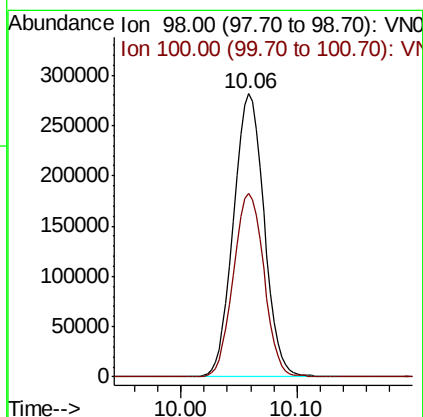
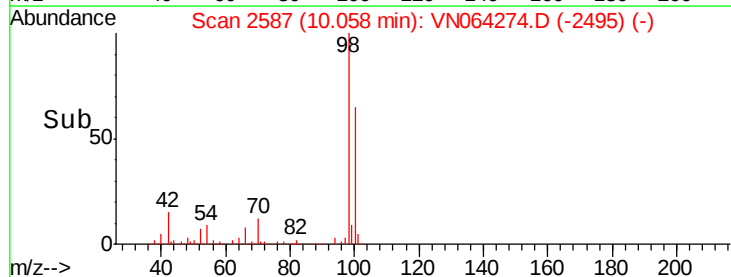
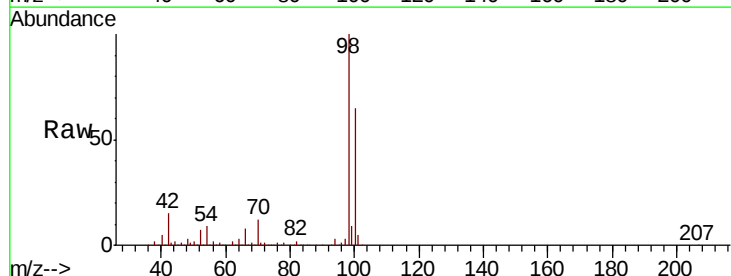
Instrument :
MSVOA_N
ClientSampleId :
36B

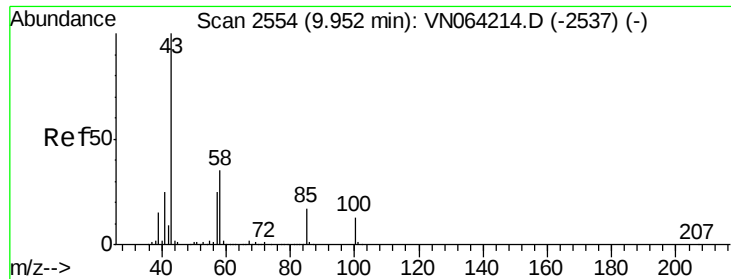
Tot Ion: 41 Resp: 406
Ion Ratio Lower Upper
41 100
39 15.3 50.5 75.7#
67 0.0 63.2 94.8#
52 0.0 29.3 43.9#



#50
Toluene-d8
Concen: 50.823 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN064274.D
Acq: 23 Oct 2020 00:47

Tgt Ion: 98 Resp: 515447
Ion Ratio Lower Upper
98 100
100 64.9 50.8 76.2

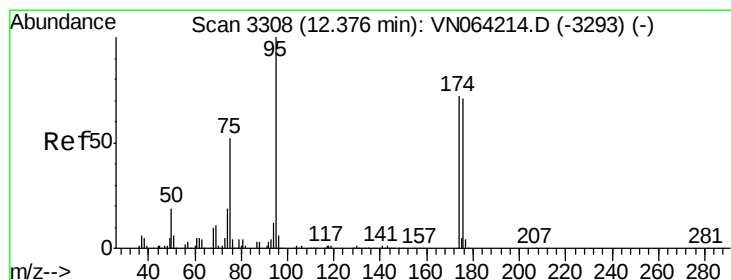
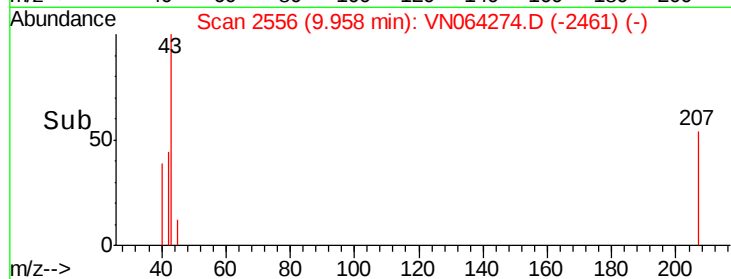
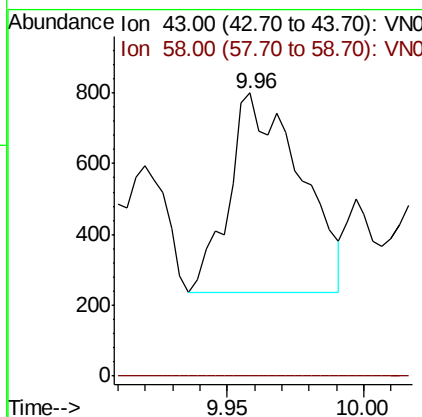
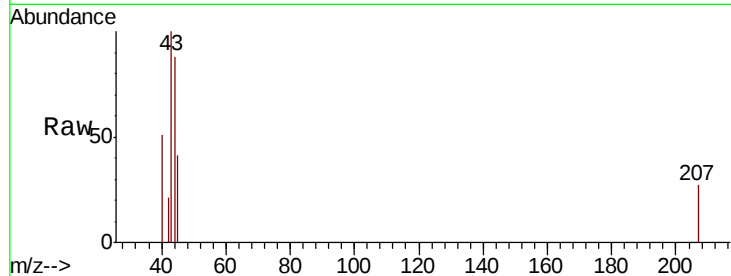




#51
 4-Methyl-2-Pentanone
 Concen: 0.267 ug/l
 RT: 9.96 min Scan# 2556
 Delta R.T. 0.01 min
 Lab File: VN064274.D
 Acq: 23 Oct 2020 00:47

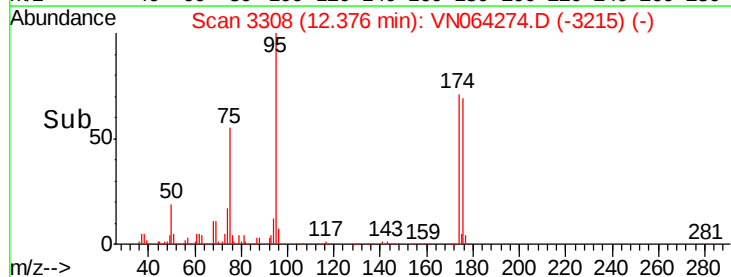
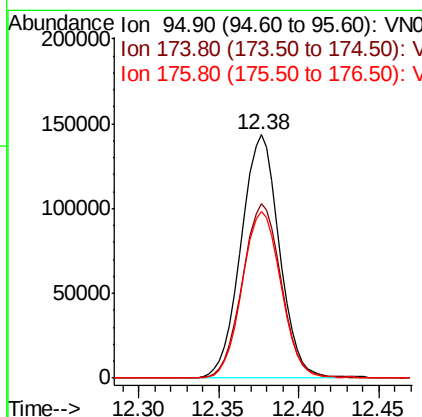
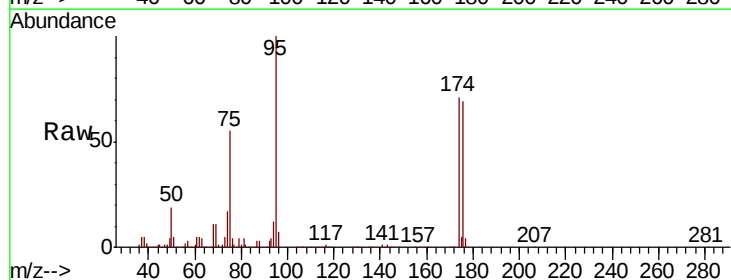
Instrument :
 MSVOA_N
 Client Sampled :
 36B

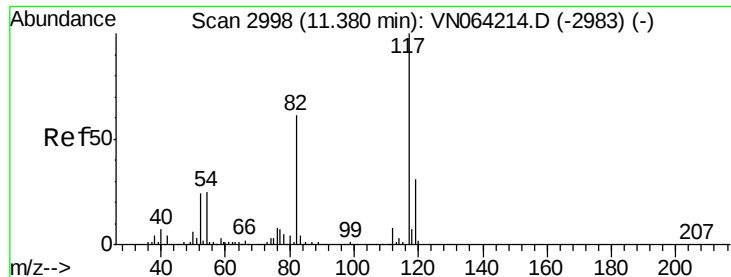
Tot Ion: 43 Resp: 1013
 Ion Ratio Lower Upper
 43 100
 58 0.0 28.6 42.8#



#62
 4-Bromofluorobenzene
 Concen: 56.971 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: VN064274.D
 Acq: 23 Oct 2020 00:47

Tgt Ion: 95 Resp: 234234
 Ion Ratio Lower Upper
 95 100
 174 73.0 0.0 144.4
 176 69.6 0.0 139.2

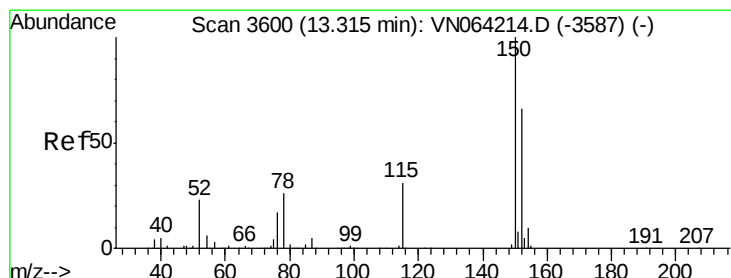
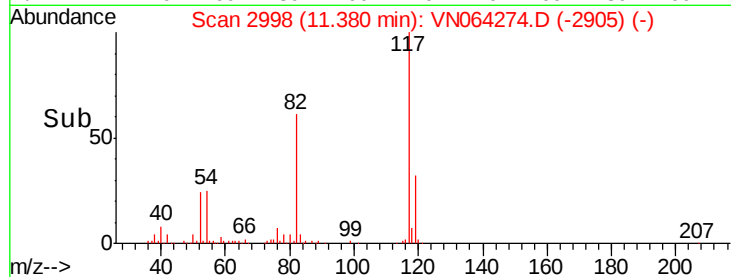
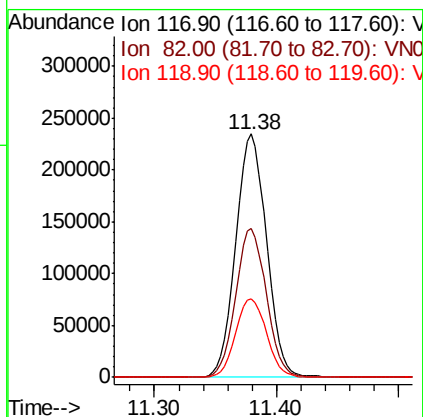
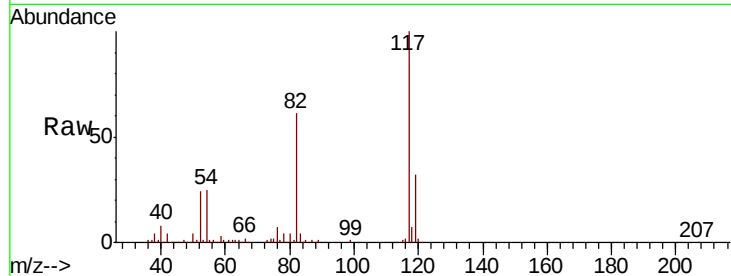




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064274.D
Acq: 23 Oct 2020 00:47

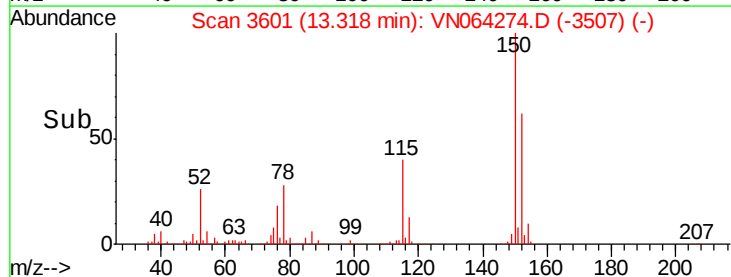
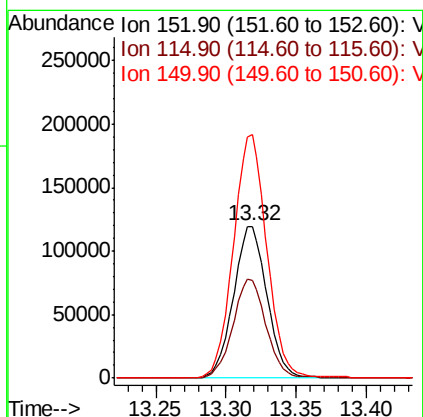
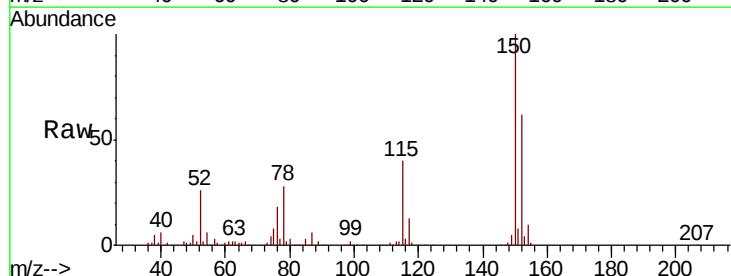
Instrument :
MSVOA_N
ClientSampleId :
36B

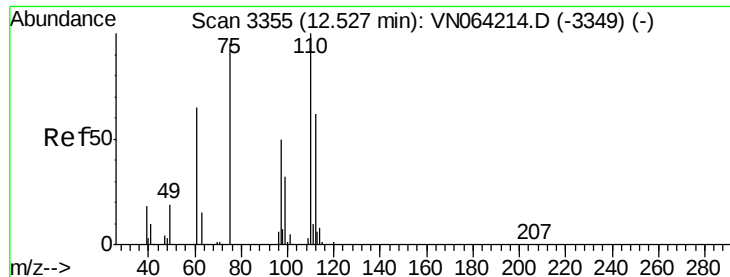
Tot Ion	Ratio	Lower	Upper
117	100		
82	60.9	48.8	73.2
119	32.3	24.7	37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN064274.D
Acq: 23 Oct 2020 00:47

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.8	32.0	96.2
150	160.4	0.0	356.6





#76

1,2,3-Trichloropropane

Concen: 30.715 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064274.D

Acq: 23 Oct 2020 00:47

Instrument :

MSVOA_N

ClientSampleId :

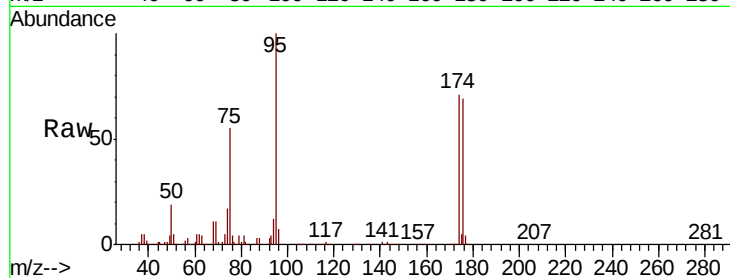
36B

Tot Ion: 75 Resp: 128755

Ion Ratio Lower Upper

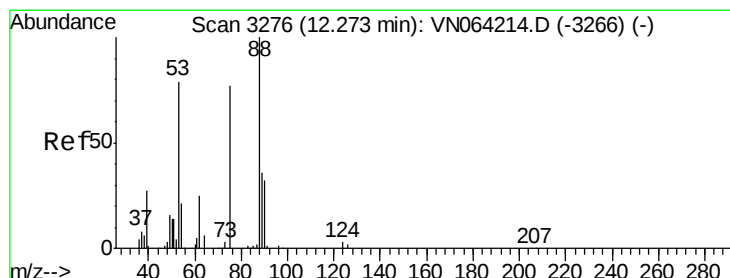
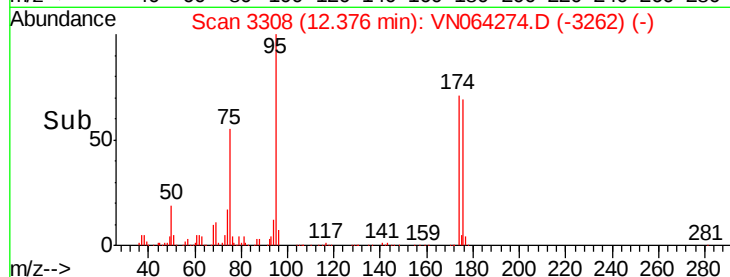
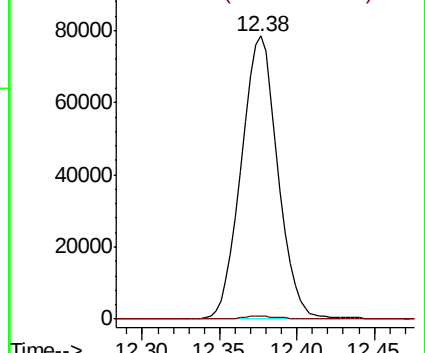
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 77.548 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064274.D

Acq: 23 Oct 2020 00:47

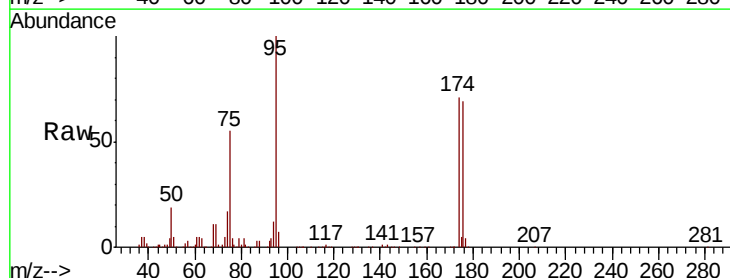
Tgt Ion: 75 Resp: 128755

Ion Ratio Lower Upper

75 100

53 0.0 81.0 121.4#

89 0.0 38.7 58.1#



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

