

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081120\
 Data File : VN062839.D
 Acq On : 11 Aug 2020 19:09
 Operator : JC/MD
 Sample : PB130874ZHE#01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB130874ZHE#01

Quant Time: Aug 11 21:23:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080520W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:26:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	125588	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	220822	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	234937	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	84546	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	107947	51.98	ug/l	0.00
Spiked Amount			Recovery	=	103.96%	
35) Dibromofluoromethane	7.55	113	75480	49.97	ug/l	0.00
Spiked Amount			Recovery	=	99.94%	
50) Toluene-d8	10.06	98	294849	50.00	ug/l	0.00
Spiked Amount			Recovery	=	100.00%	
62) 4-Bromofluorobenzene	12.38	95	107181	48.09	ug/l	0.00
Spiked Amount			Recovery	=	96.18%	

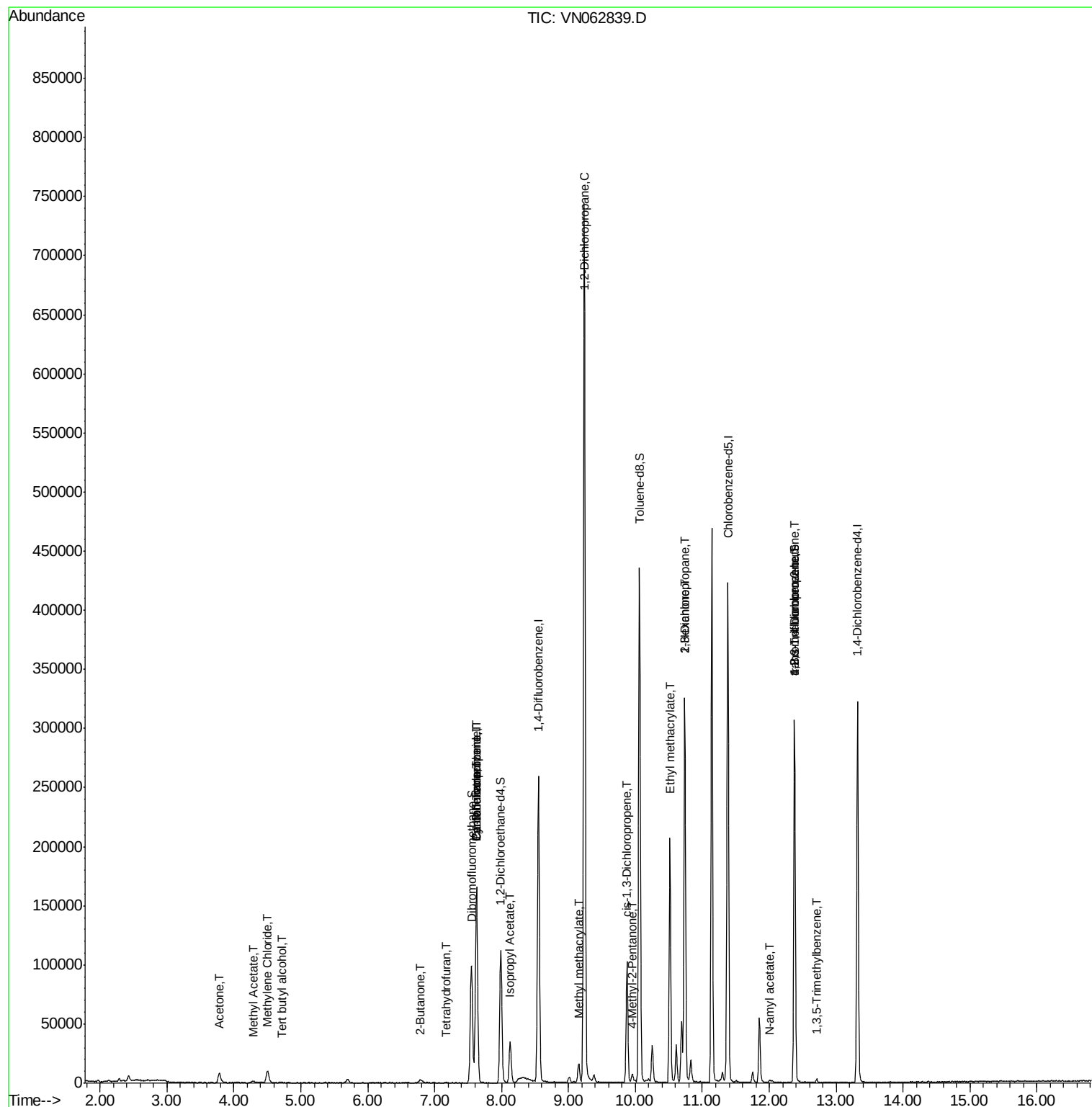
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.73	59	176	0.517	ug/l #	72
16) Acetone	3.78	43	13431	17.898	ug/l	91
18) Methyl Acetate	4.28	43	3281	0.736	ug/l #	70
20) Methylene Chloride	4.51	84	7897	5.067	ug/l	92
25) 2-Butanone	6.79	43	1726	1.624	ug/l #	81
29) Tetrahydrofuran	7.18	42	340	0.492	ug/l #	56
31) Cyclohexane	7.63	56	2644	1.050	ug/l #	2
36) 1,1-Dichloropropene	7.62	75	10520	4.893	ug/l #	48
38) Carbon Tetrachloride	7.63	117	12931	5.085	ug/l #	15
43) Isopropyl Acetate	8.13	43	39562	10.560	ug/l	99
45) 1,2-Dichloropropane	9.24	63	756	0.435	ug/l #	45
48) Methyl methacrylate	9.15	41	2248	1.220	ug/l #	13
51) 4-Methyl-2-Pentanone	9.95	43	3488	1.439	ug/l #	80
54) cis-1,3-Dichloropropene	9.87	75	17671	6.261	ug/l #	61
56) Ethyl methacrylate	10.52	69	1051	0.413	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	3126	1.087	ug/l #	43
59) 2-Hexanone	10.74	43	45825	25.344	ug/l #	53
74) N-amyl acetate	12.01	43	1776	0.688	ug/l #	44
76) 1,2,3-Trichloropropane	12.38	75	59135	25.935	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	2084	0.377	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	59135	79.173	ug/l #	10

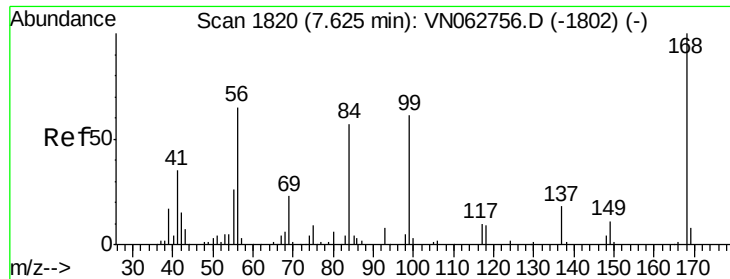
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Aug 05 13:26:42 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VN062839.D

Acq: 11 Aug 2020 19:09

Instrument :

MSVOA_N

ClientSampleId :

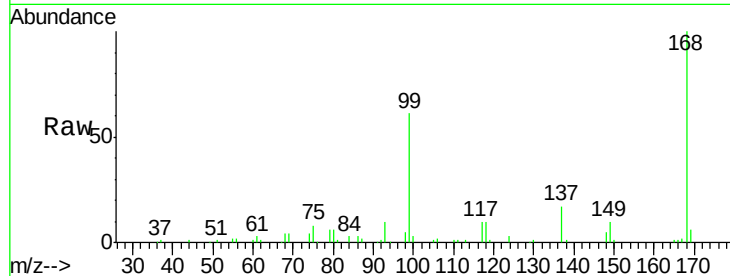
PB130874ZHE#01

Tgt Ion:168 Resp: 125588

Ion Ratio Lower Upper

168 100

99 60.7 52.9 79.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

60000

50000

40000

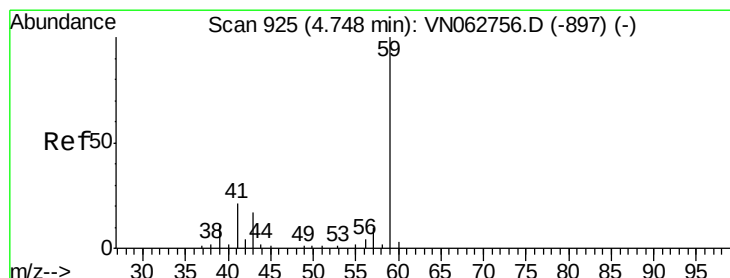
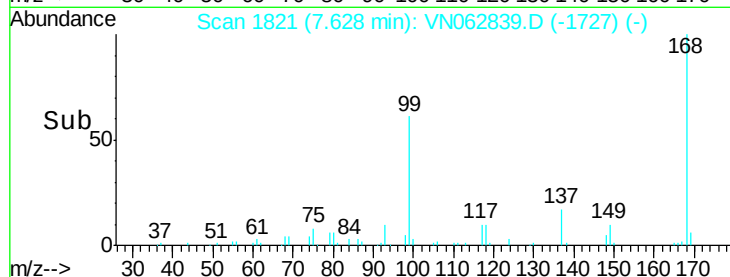
30000

20000

10000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.517 ug/l

RT: 4.73 min Scan# 919

Delta R.T. -0.02 min

Lab File: VN062839.D

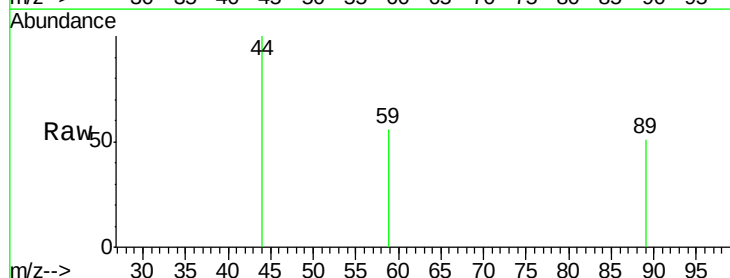
Acq: 11 Aug 2020 19:09

Tgt Ion: 59 Resp: 176

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

250

200

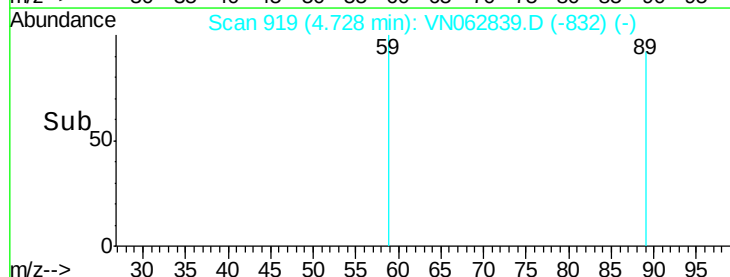
150

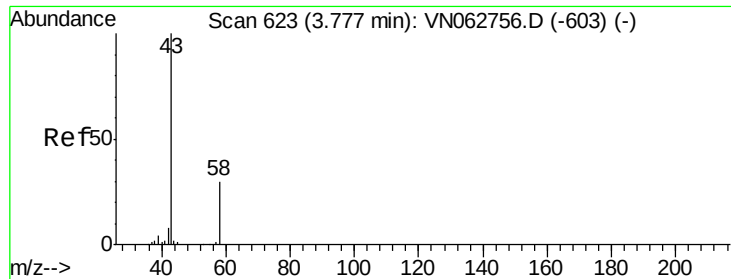
100

50

0

Time-->





#16

Acetone

Concen: 17.898 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.01 min

Lab File: VN062839.D

Acq: 11 Aug 2020 19:09

Instrument :

MSVOA_N

ClientSampleId :

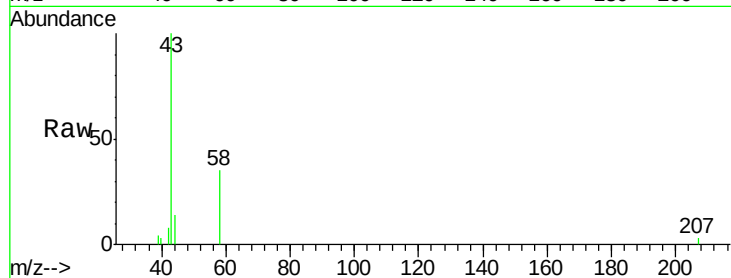
PB130874ZHE#01

Tgt Ion: 43 Resp: 13431

Ion Ratio Lower Upper

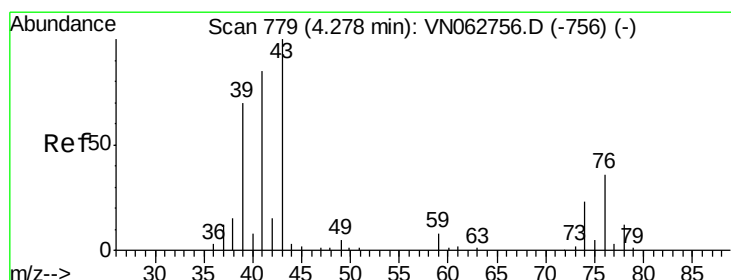
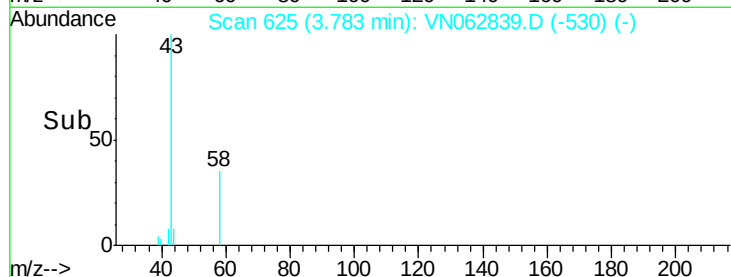
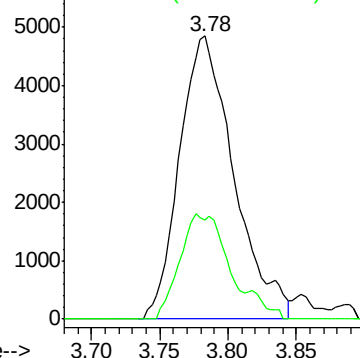
43 100

58 35.1 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 0.736 ug/l

RT: 4.28 min Scan# 781

Delta R.T. 0.01 min

Lab File: VN062839.D

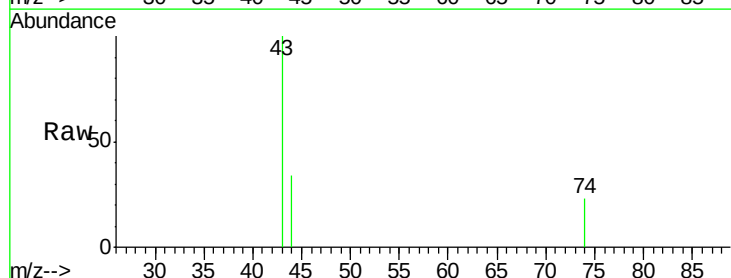
Acq: 11 Aug 2020 19:09

Tgt Ion: 43 Resp: 3281

Ion Ratio Lower Upper

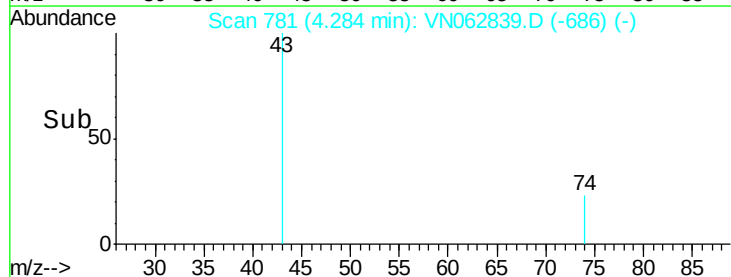
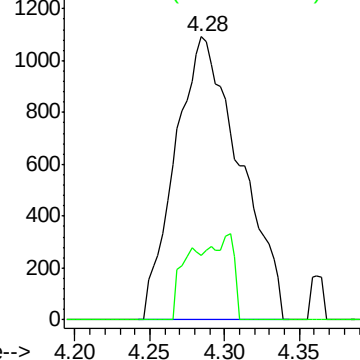
43 100

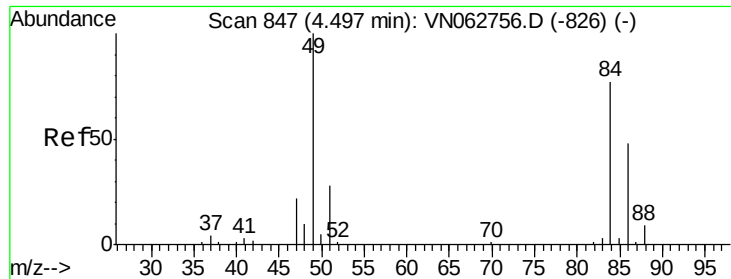
74 8.4 18.6 28.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

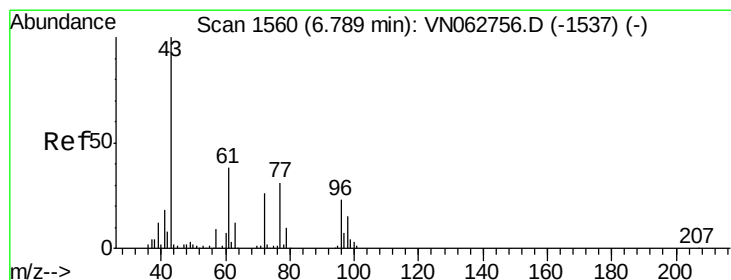
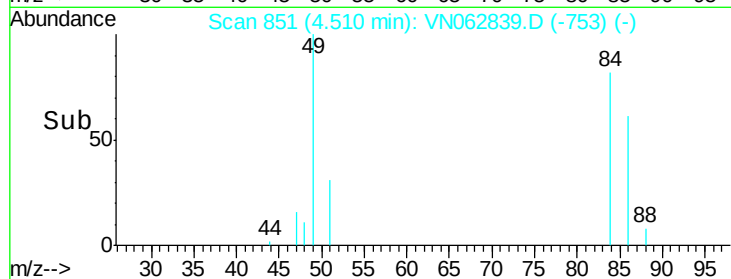
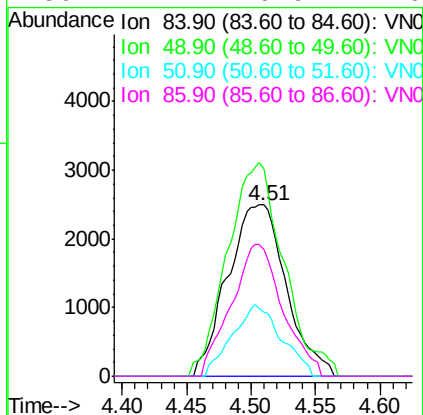
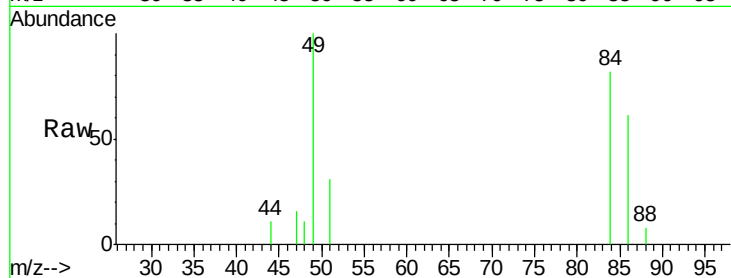




#20
Methylene Chloride
Concen: 5.067 ug/l
RT: 4.51 min Scan# 851
Delta R.T. 0.01 min
Lab File: VN062839.D
Acq: 11 Aug 2020 19:09

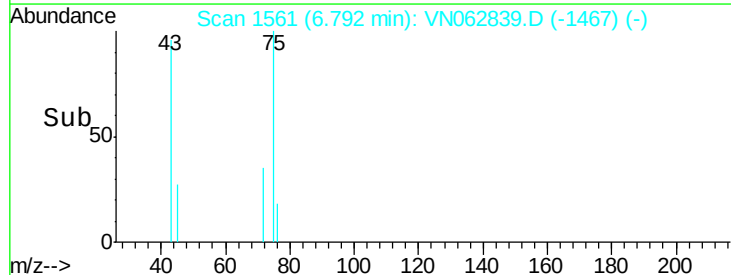
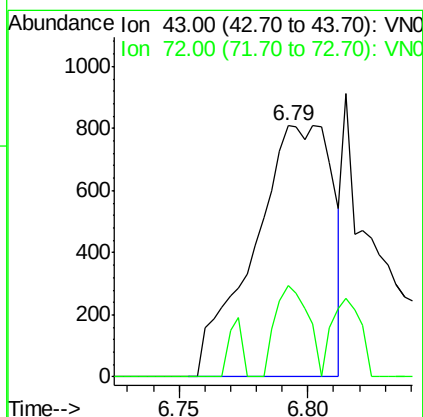
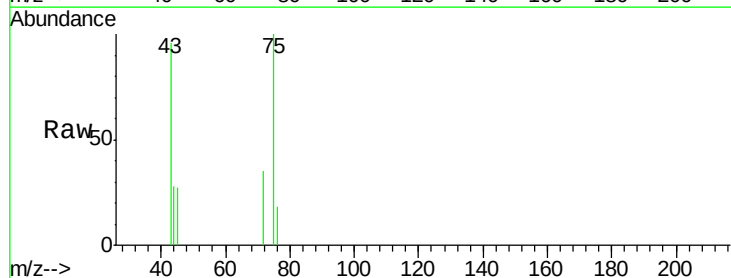
Instrument :
MSVOA_N
ClientSampleId :
PB130874ZHE#01

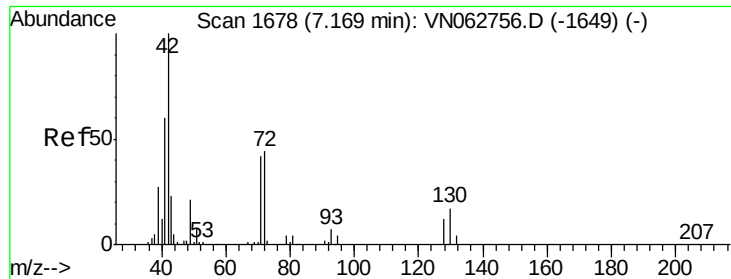
Tgt Ion:	84	Resp:	7897
Ion	Ratio	Lower	Upper
84	100		
49	121.2	103.4	155.2
51	37.6	29.3	43.9
86	74.1	49.9	74.9



#25
2-Butanone
Concen: 1.624 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. 0.00 min
Lab File: VN062839.D
Acq: 11 Aug 2020 19:09

Tgt Ion:	43	Resp:	1726
Ion	Ratio	Lower	Upper
43	100		
72	36.2	21.1	31.7#

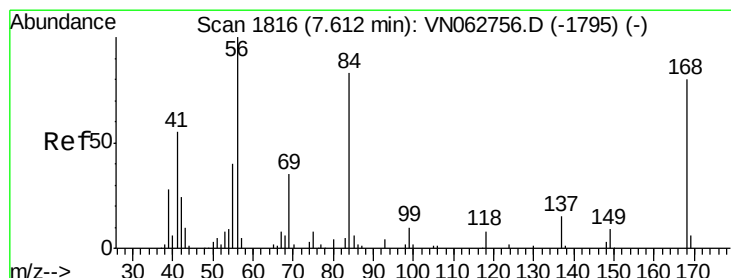
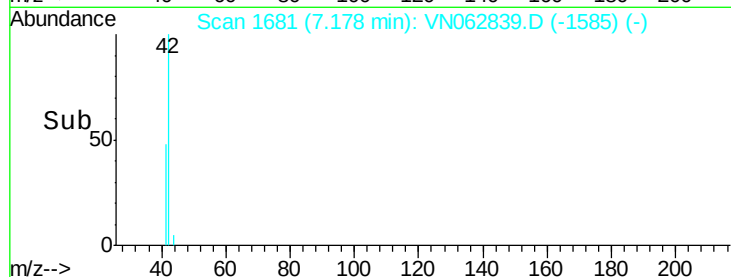
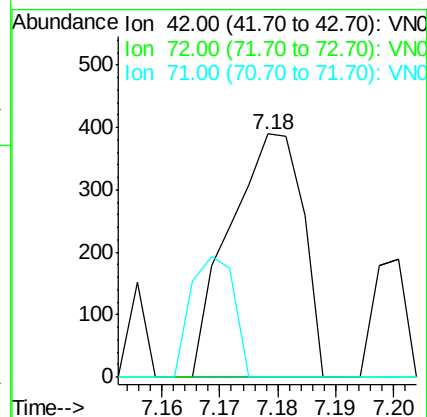
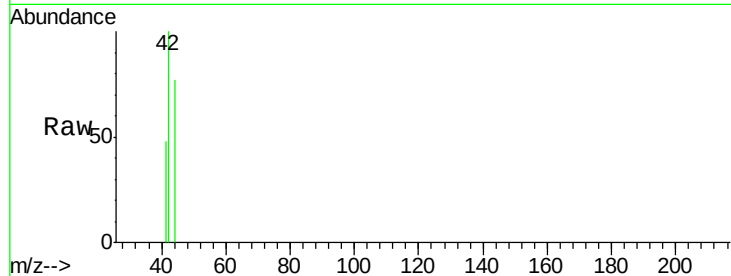




#29
Tetrahydrofuran
Concen: 0.492 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VN062839.D
Acq: 11 Aug 2020 19:09

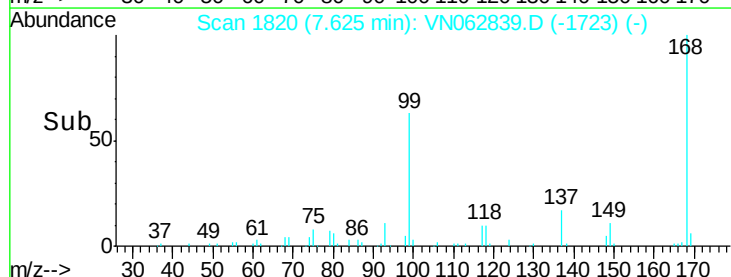
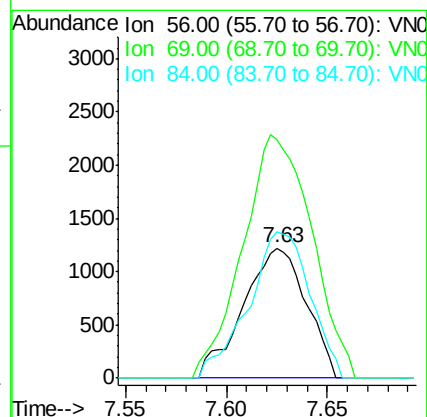
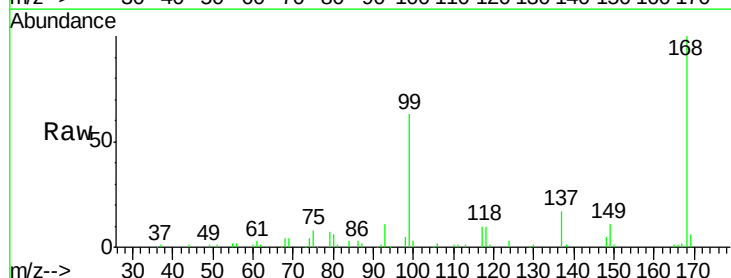
Instrument :
MSVOA_N
ClientSampleId :
PB130874ZHE#01

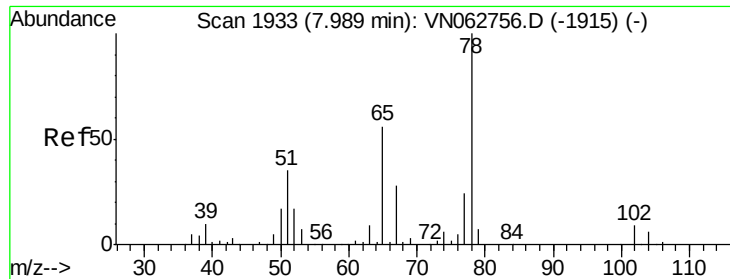
Tgt Ion: 42 Resp: 340
Ion Ratio Lower Upper
42 100
72 0.0 35.0 52.4#
71 29.7 33.2 49.8#



#31
Cyclohexane
Concen: 1.050 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. 0.01 min
Lab File: VN062839.D
Acq: 11 Aug 2020 19:09

Tgt Ion: 56 Resp: 2644
Ion Ratio Lower Upper
56 100
69 182.8 28.1 42.1#
84 112.7 66.8 100.2#

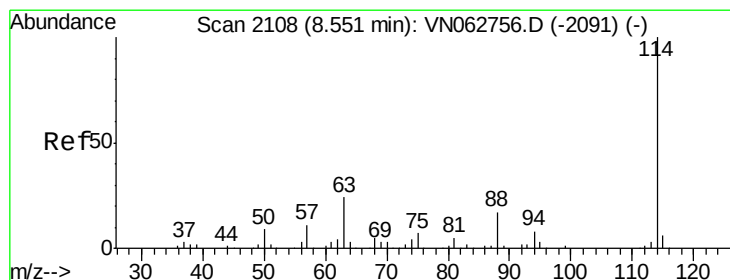
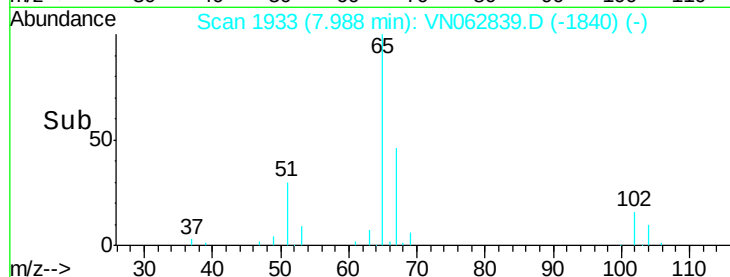
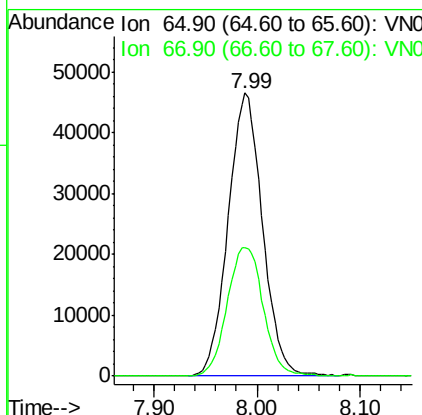
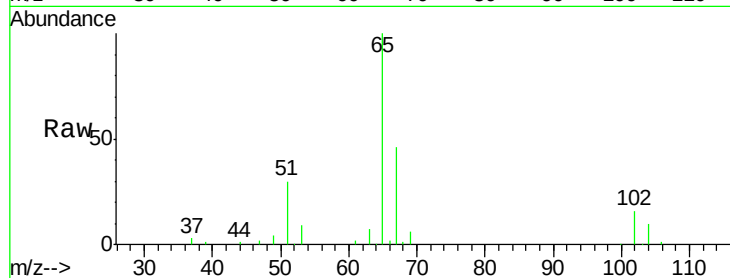




#33
 1,2-Dichloroethane-d4
 Concen: 51.977 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. -0.00 min
 Lab File: VN062839.D
 Acq: 11 Aug 2020 19:09

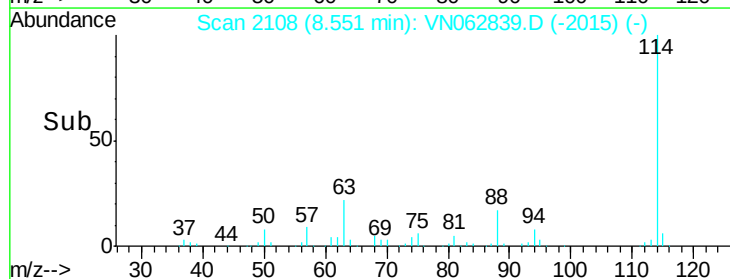
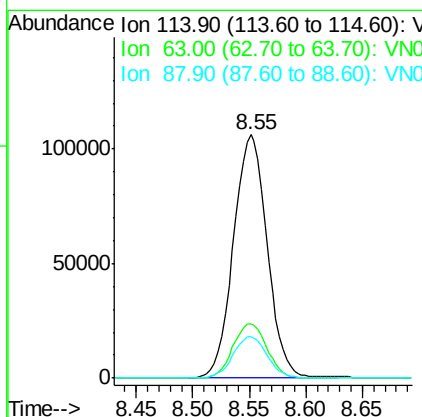
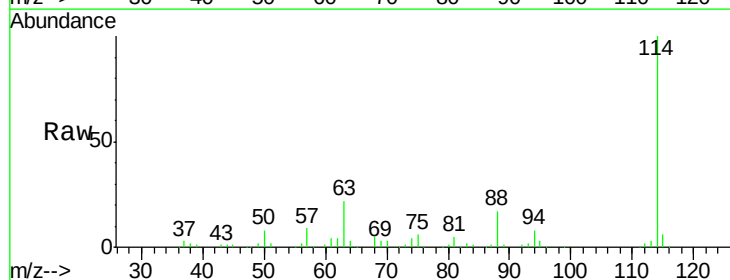
Instrument :
 MSVOA_N
 ClientSampleId :
 PB130874ZHE#01

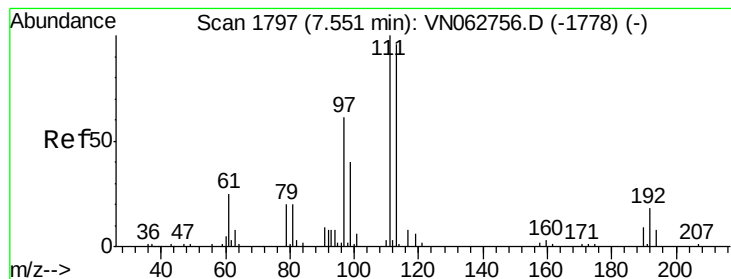
Tgt Ion: 65 Resp: 107947
 Ion Ratio Lower Upper
 65 100
 67 47.7 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062839.D
 Acq: 11 Aug 2020 19:09

Tgt Ion: 114 Resp: 220822
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 47.6
 88 17.2 0.0 34.4





#35

Dibromofluoromethane

Concen: 49.969 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. -0.00 min

Lab File: VN062839.D

Acq: 11 Aug 2020 19:09

Instrument :

MSVOA_N

ClientSampleId :

PB130874ZHE#01

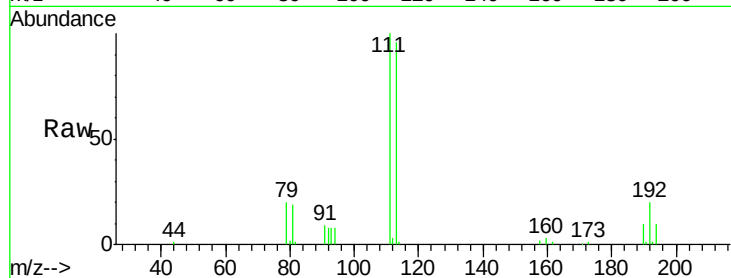
Tgt Ion:113 Resp: 75480

Ion Ratio Lower Upper

113 100

111 104.2 81.8 122.6

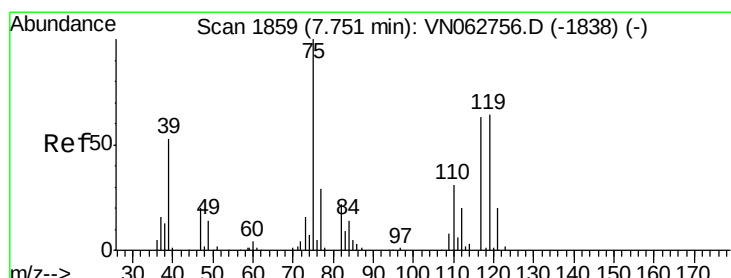
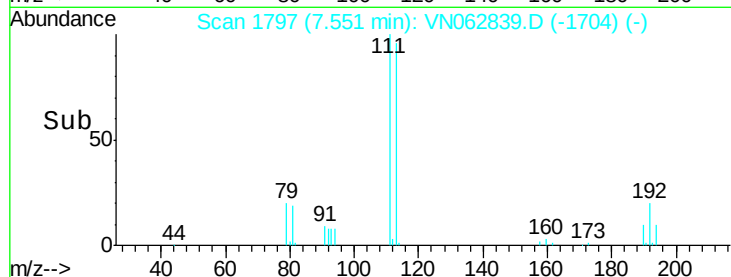
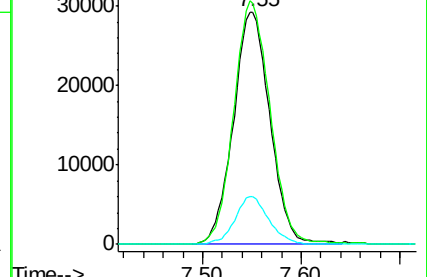
192 18.9 15.0 22.4



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: 4.893 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.13 min

Lab File: VN062839.D

Acq: 11 Aug 2020 19:09

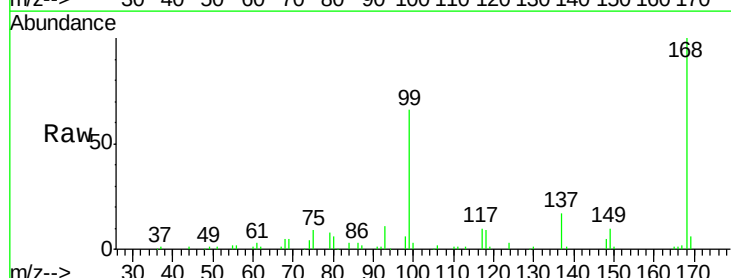
Tgt Ion: 75 Resp: 10520

Ion Ratio Lower Upper

75 100

110 4.3 15.6 46.7#

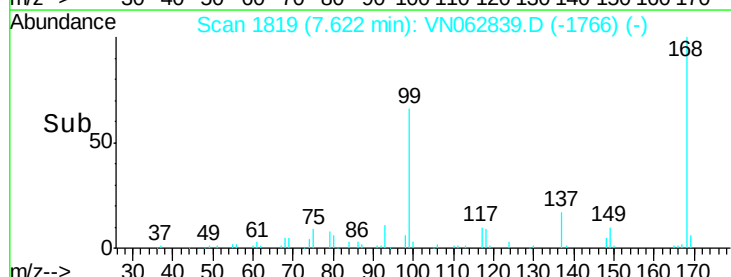
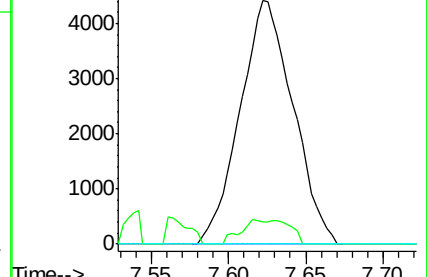
77 0.0 24.1 36.1#

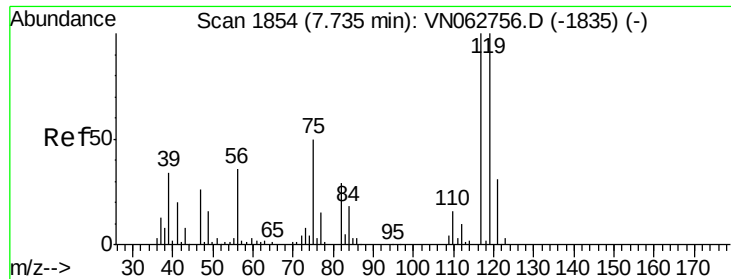


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 5.085 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.11 min

Lab File: VN062839.D

Acq: 11 Aug 2020 19:09

Instrument :

MSVOA_N

ClientSampleId :

PB130874ZHE#01

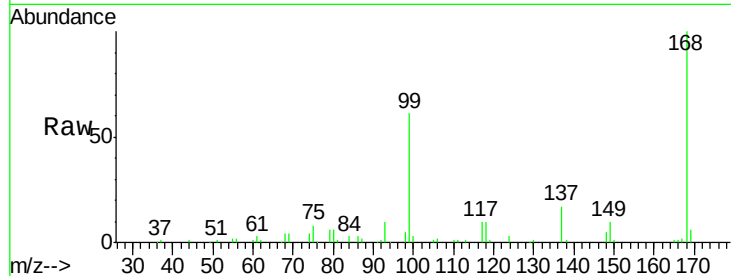
Tgt Ion: 117 Resp: 12931

Ion Ratio Lower Upper

117 100

119 6.2 79.4 119.2#

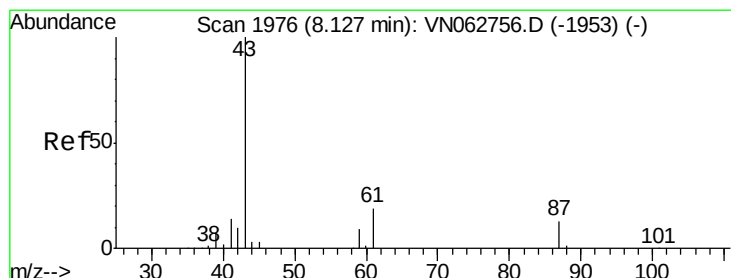
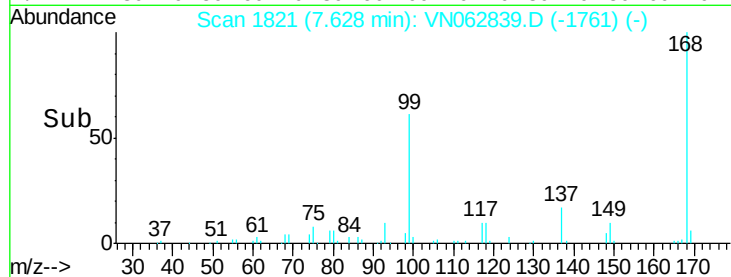
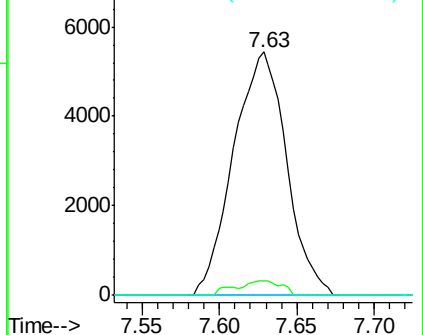
121 0.0 24.9 37.3#



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: 10.560 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN062839.D

Acq: 11 Aug 2020 19:09

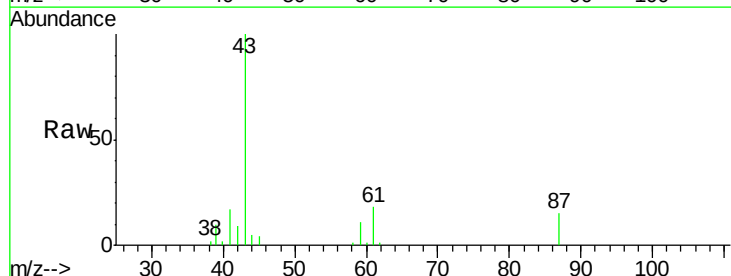
Tgt Ion: 43 Resp: 39562

Ion Ratio Lower Upper

43 100

61 19.4 15.8 23.6

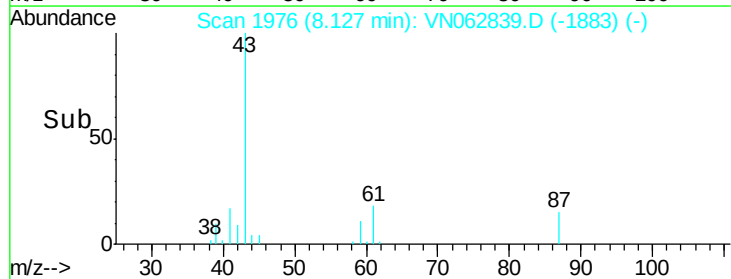
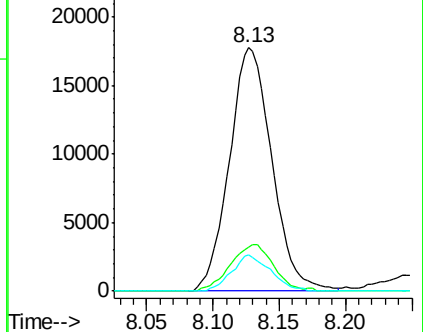
87 13.5 9.9 14.9

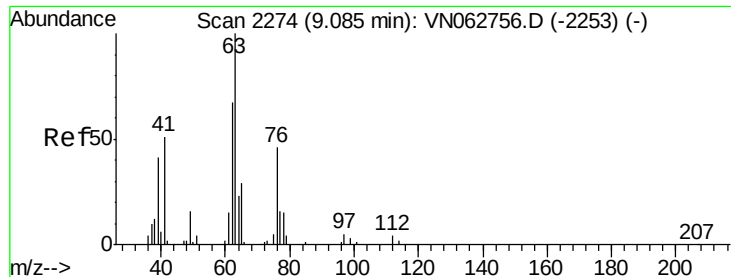


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

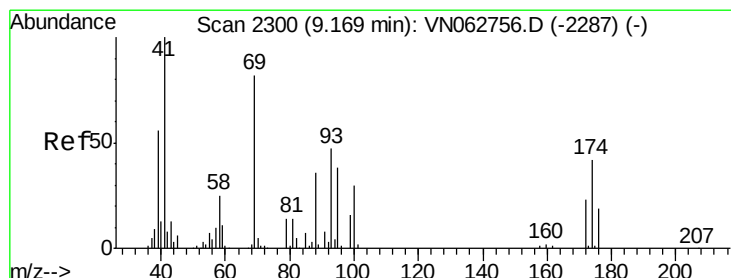
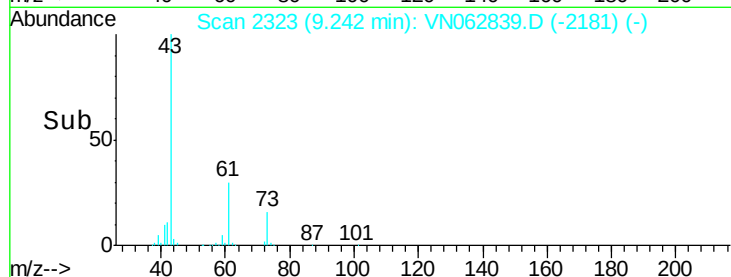
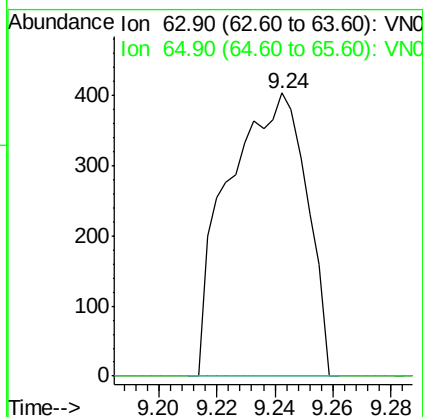
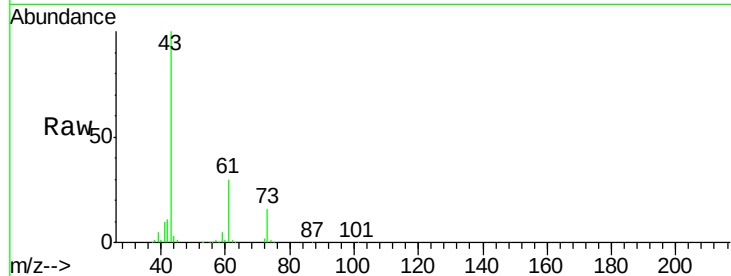




#45
 1,2-Dichloropropane
 Concen: 0.435 ug/l
 RT: 9.24 min Scan# 2323
 Delta R.T. 0.16 min
 Lab File: VN062839.D
 Acq: 11 Aug 2020 19:09

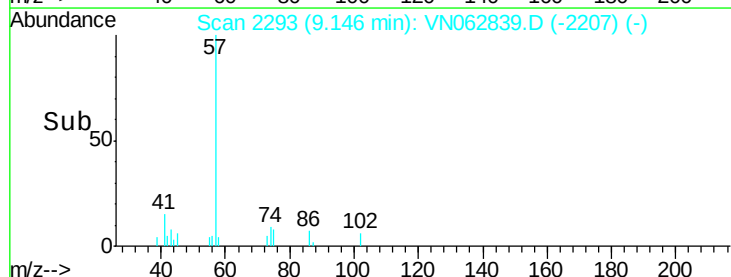
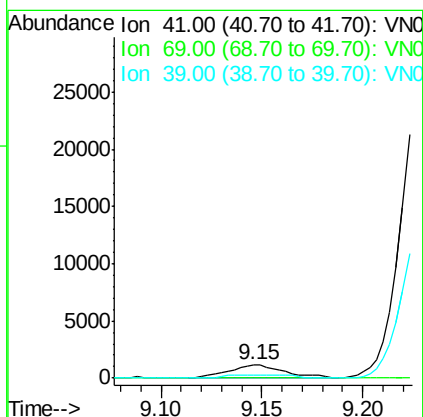
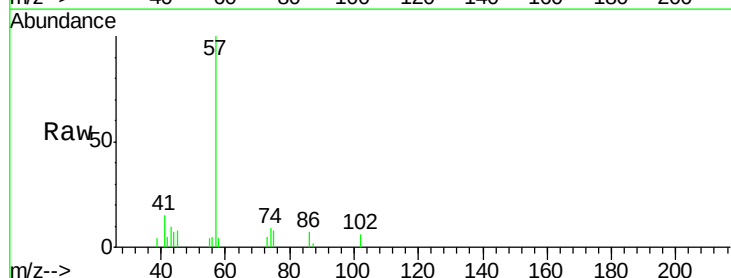
Instrument :
 MSVOA_N
 ClientSampleId :
 PB130874ZHE#01

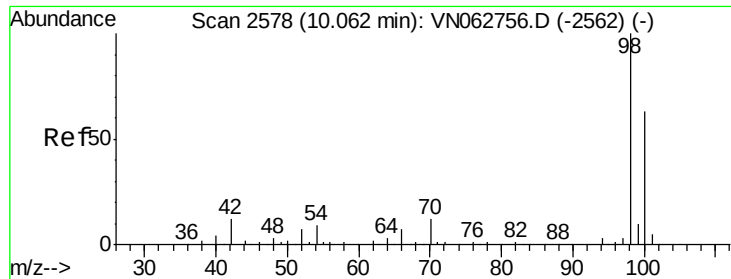
Tgt Ion: 63 Resp: 756
 Ion Ratio Lower Upper
 63 100
 65 0.0 23.5 35.3#



#48
 Methyl methacrylate
 Concen: 1.220 ug/l
 RT: 9.15 min Scan# 2293
 Delta R.T. -0.02 min
 Lab File: VN062839.D
 Acq: 11 Aug 2020 19:09

Tgt Ion: 41 Resp: 2248
 Ion Ratio Lower Upper
 41 100
 69 0.0 67.4 101.2#
 39 0.0 47.6 71.4#





#50

Toluene-d8

Concen: 49.997 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062839.D

Acq: 11 Aug 2020 19:09

Instrument :

MSVOA_N

ClientSampleId :

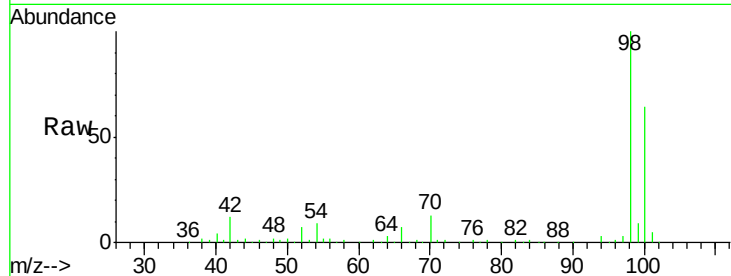
PB130874ZHE#01

Tgt Ion: 98 Resp: 294849

Ion Ratio Lower Upper

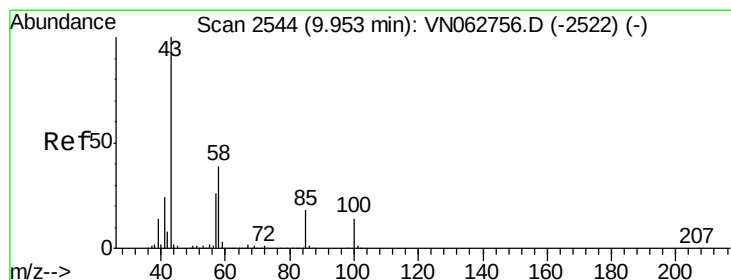
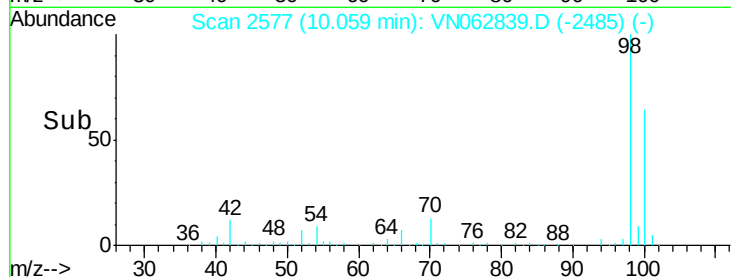
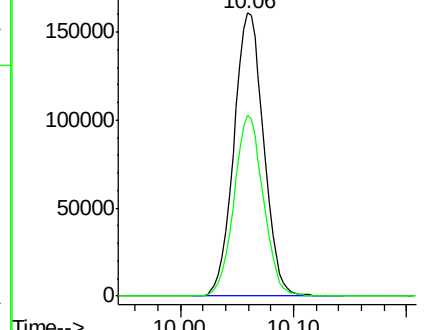
98 100

100 62.7 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VN062756.D (-2562) (-)

Ion 100.00 (99.70 to 100.70): VN062756.D (-2562) (-)



#51

4-Methyl-2-Pentanone

Concen: 1.439 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN062839.D

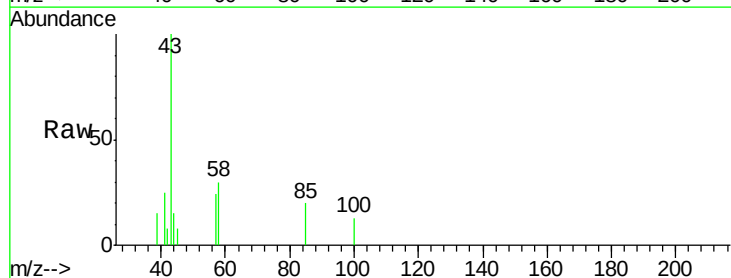
Acq: 11 Aug 2020 19:09

Tgt Ion: 43 Resp: 3488

Ion Ratio Lower Upper

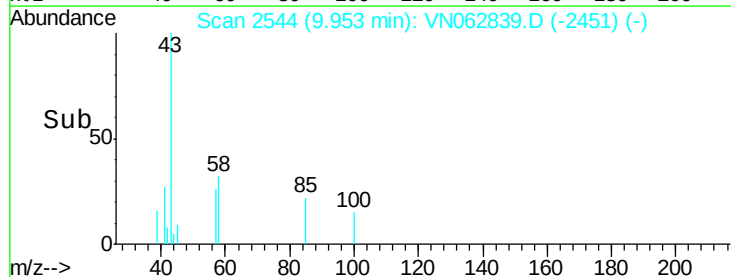
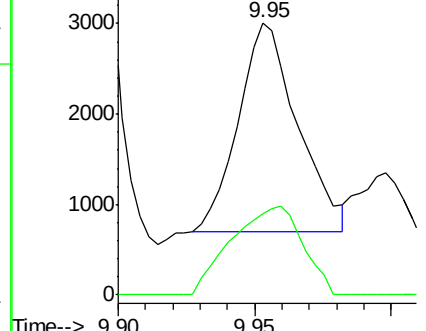
43 100

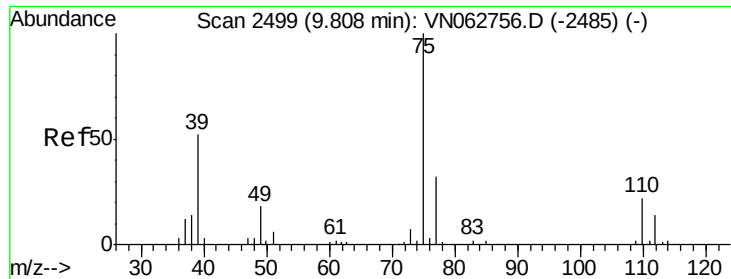
58 51.0 31.1 46.7#



Abundance Ion 43.00 (42.70 to 43.70): VN062756.D (-2522) (-)

Ion 58.00 (57.70 to 58.70): VN062756.D (-2522) (-)





#54

cis-1,3-Dichloropropene

Concen: 6.261 ug/l

RT: 9.87 min Scan# 2519

Delta R.T. 0.06 min

Lab File: VN062839.D

Acq: 11 Aug 2020 19:09

Instrument :

MSVOA_N

ClientSampleId :

PB130874ZHE#01

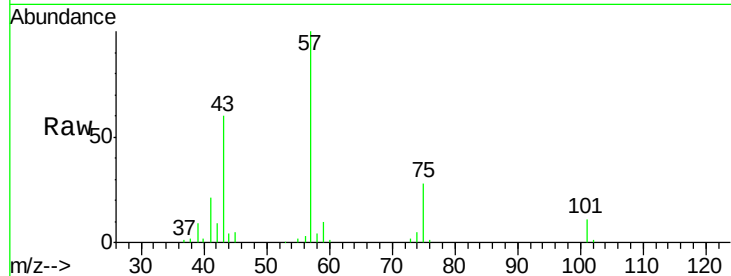
Tgt Ion: 75 Resp: 17671

Ion Ratio Lower Upper

75 100

77 0.0 25.5 38.3#

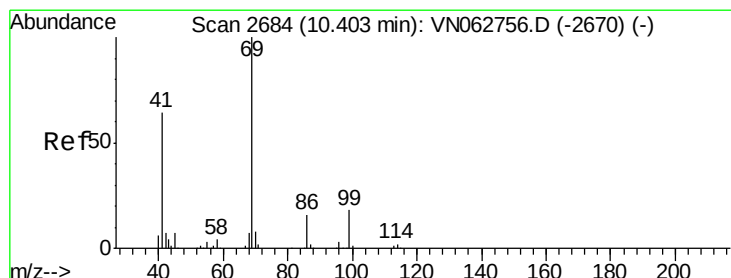
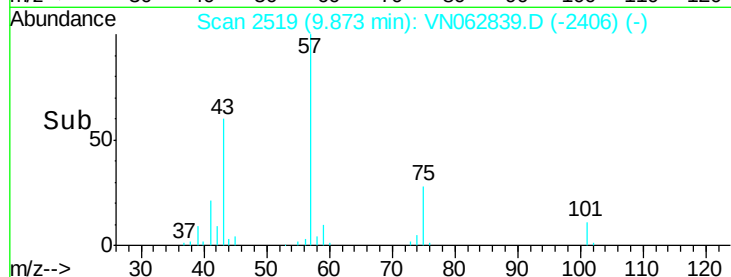
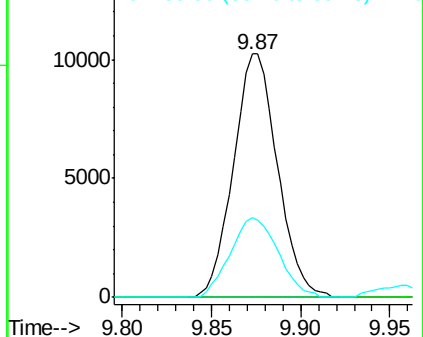
39 32.9 41.9 62.9#



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: 0.413 ug/l

RT: 10.52 min Scan# 2720

Delta R.T. 0.12 min

Lab File: VN062839.D

Acq: 11 Aug 2020 19:09

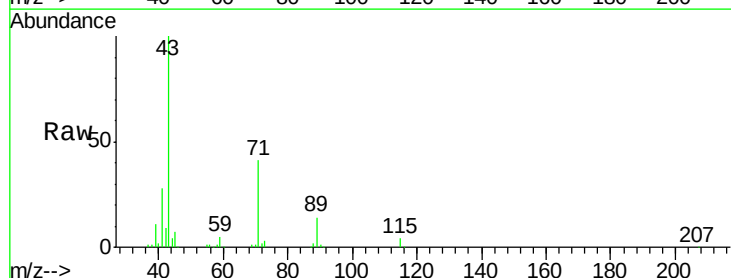
Tgt Ion: 69 Resp: 1051

Ion Ratio Lower Upper

69 100

41 3734.4 52.2 78.2#

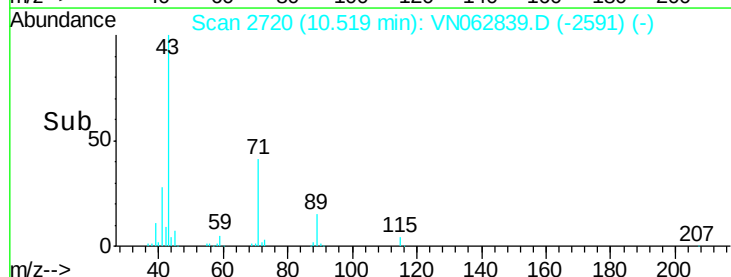
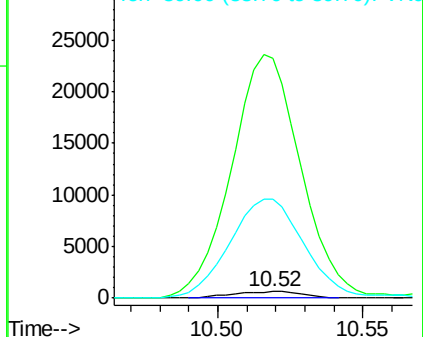
39 1653.0 30.9 46.3#

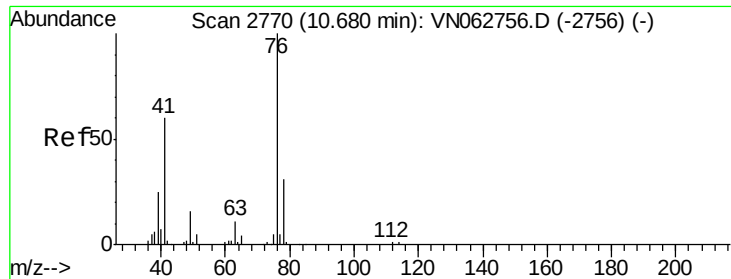


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

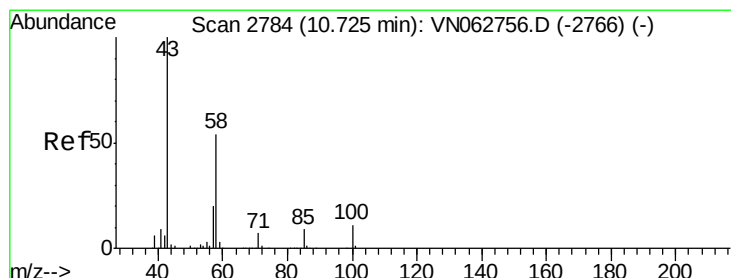
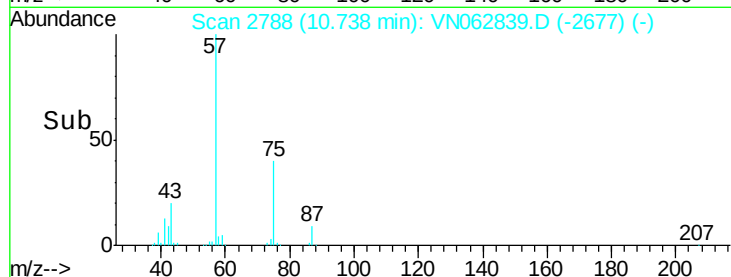
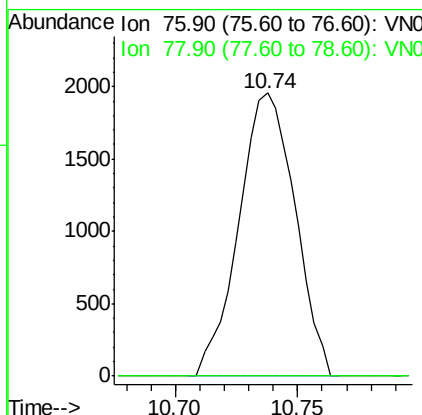
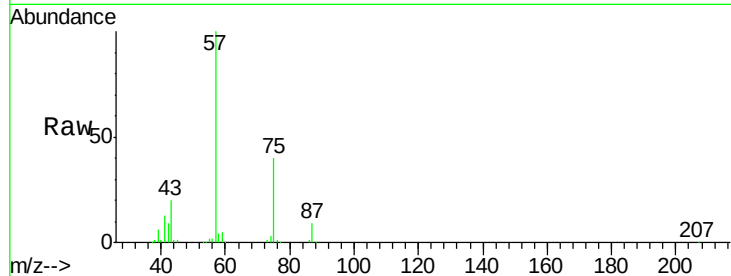




#57
 1,3-Dichloropropane
 Concen: 1.087 ug/l
 RT: 10.74 min Scan# 2788
 Delta R.T. 0.06 min
 Lab File: VN062839.D
 Acq: 11 Aug 2020 19:09

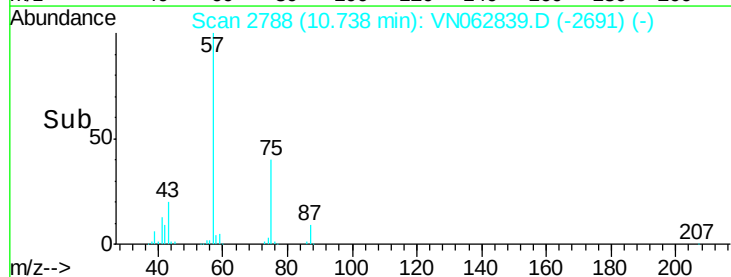
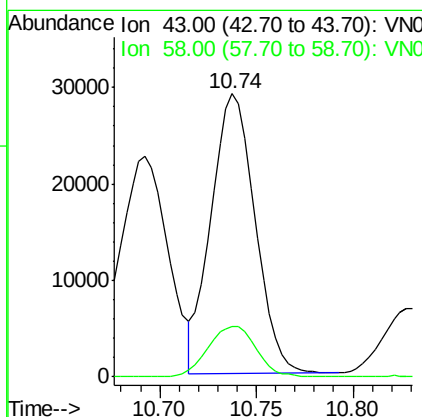
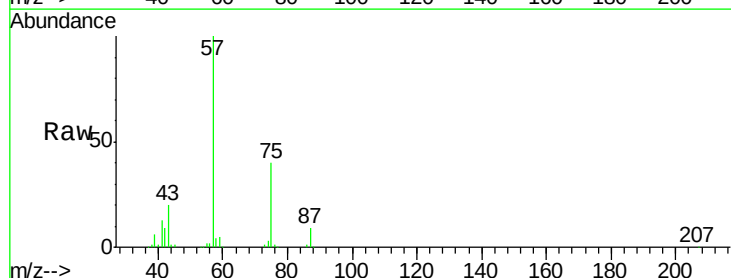
Instrument :
 MSVOA_N
 ClientSampleId :
 PB130874ZHE#01

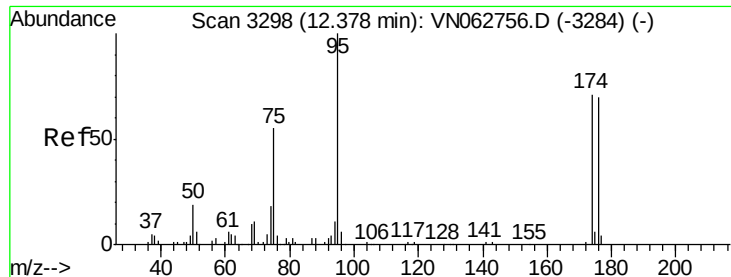
Tgt Ion: 76 Resp: 3126
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.4 38.0#



#59
 2-Hexanone
 Concen: 25.344 ug/l
 RT: 10.74 min Scan# 2788
 Delta R.T. 0.01 min
 Lab File: VN062839.D
 Acq: 11 Aug 2020 19:09

Tgt Ion: 43 Resp: 45825
 Ion Ratio Lower Upper
 43 100
 58 19.7 26.7 80.1#





#62

4-Bromofluorobenzene

Concen: 48.094 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062839.D

Acq: 11 Aug 2020 19:09

Instrument :

MSVOA_N

ClientSampleId :

PB130874ZHE#01

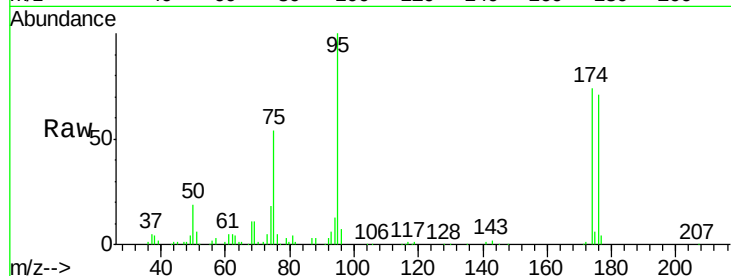
Tgt Ion: 95 Resp: 107181

Ion Ratio Lower Upper

95 100

174 75.1 0.0 144.8

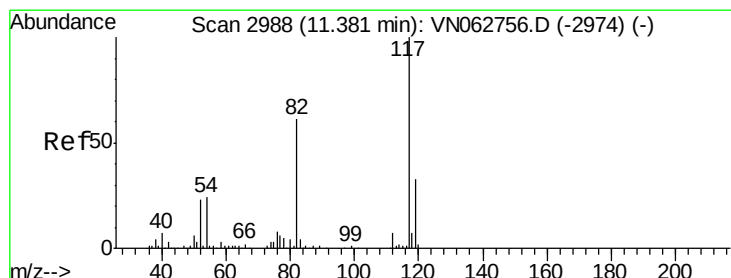
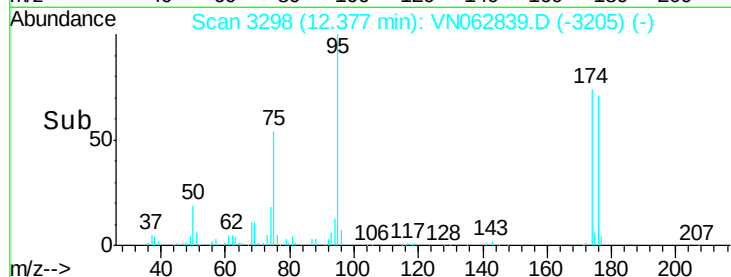
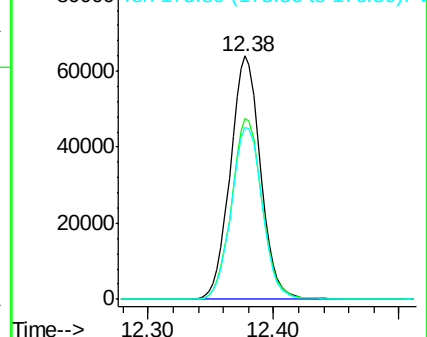
176 72.4 0.0 142.2



Abundance Ion 94.90 (94.60 to 95.60): VN062839.D (-3205) (-)

Ion 173.80 (173.50 to 174.50): VN062839.D (-3205) (-)

Ion 175.80 (175.50 to 176.50): VN062839.D (-3205) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. -0.00 min

Lab File: VN062839.D

Acq: 11 Aug 2020 19:09

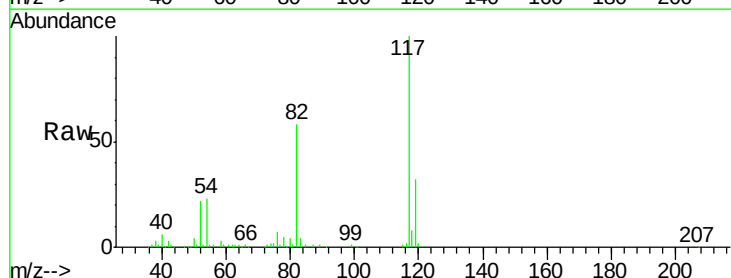
Tgt Ion: 117 Resp: 234937

Ion Ratio Lower Upper

117 100

82 58.0 49.0 73.4

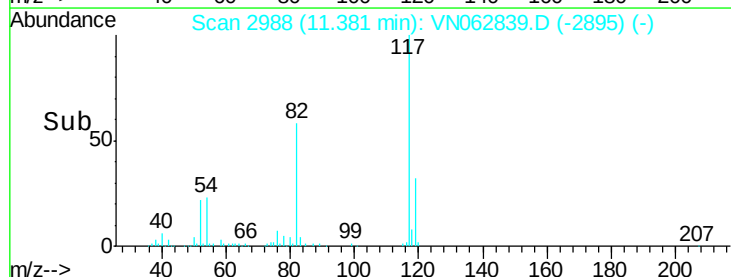
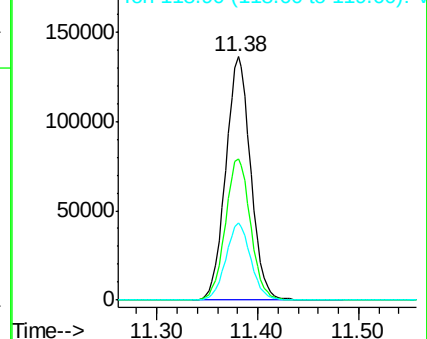
119 31.7 26.2 39.2

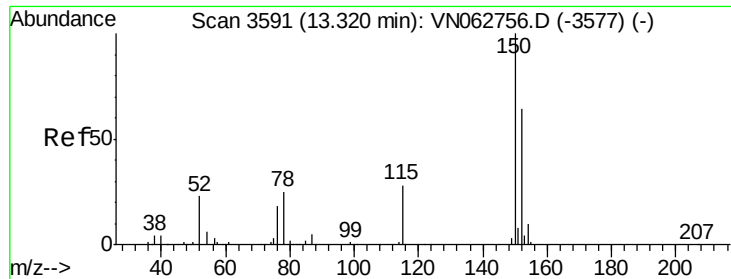


Abundance Ion 116.90 (116.60 to 117.60): VN062839.D (-2895) (-)

Ion 82.00 (81.70 to 82.70): VN062839.D (-2895) (-)

Ion 118.90 (118.60 to 119.60): VN062839.D (-2895) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. -0.00 min

Lab File: VN062839.D

Acq: 11 Aug 2020 19:09

Instrument :

MSVOA_N

ClientSampleId :

PB130874ZHE#01

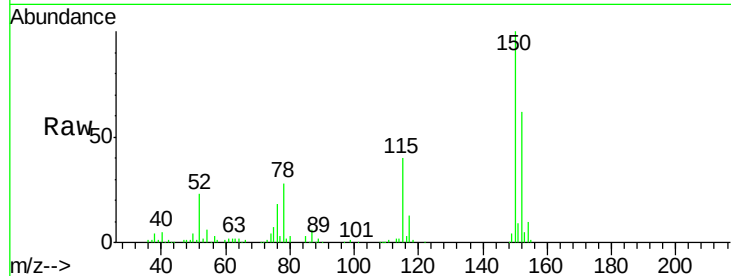
Tgt Ion:152 Resp: 84546

Ion Ratio Lower Upper

152 100

115 63.8 31.6 94.8

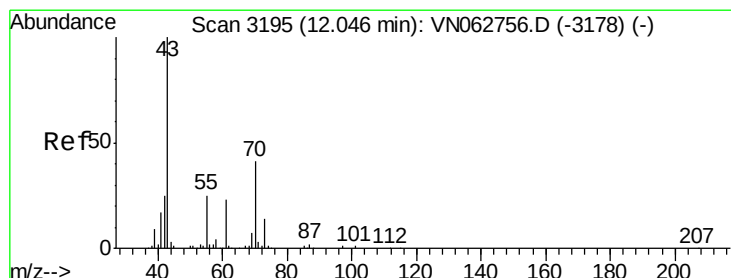
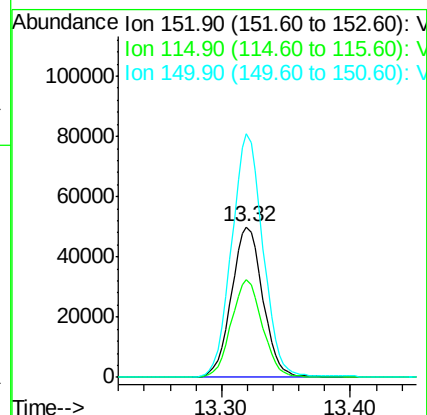
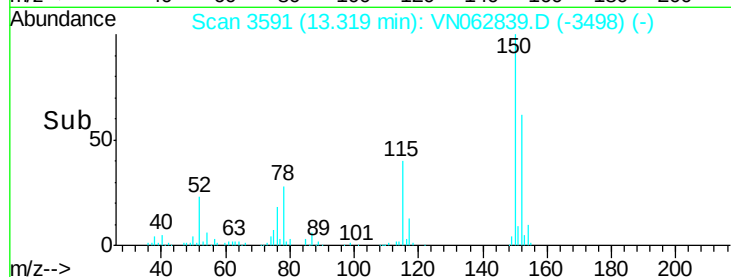
150 161.1 0.0 349.2



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-ethyl acetate

Concen: 0.688 ug/l

RT: 12.01 min Scan# 3184

Delta R.T. -0.04 min

Lab File: VN062839.D

Acq: 11 Aug 2020 19:09

Tgt Ion: 43 Resp: 1776

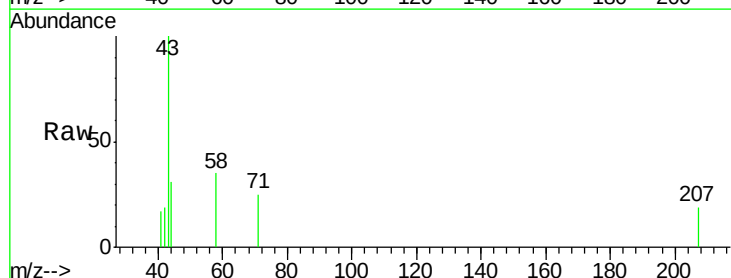
Ion Ratio Lower Upper

43 100

70 0.0 32.3 48.5#

55 0.0 20.2 30.2#

61 0.0 18.2 27.4#

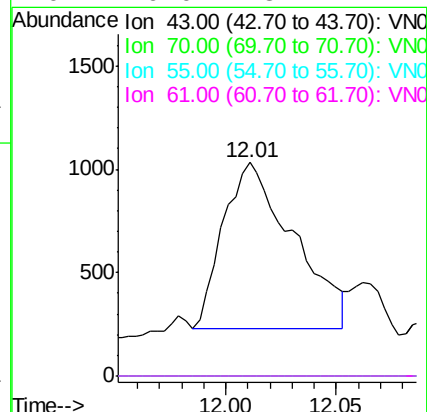
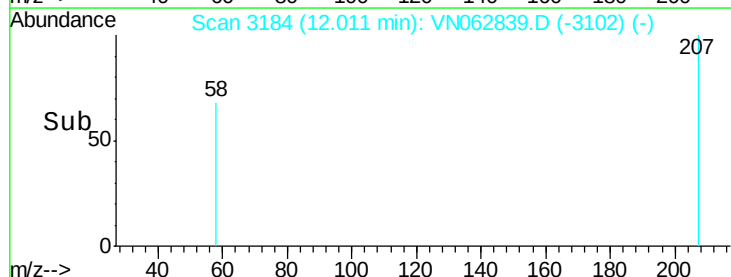


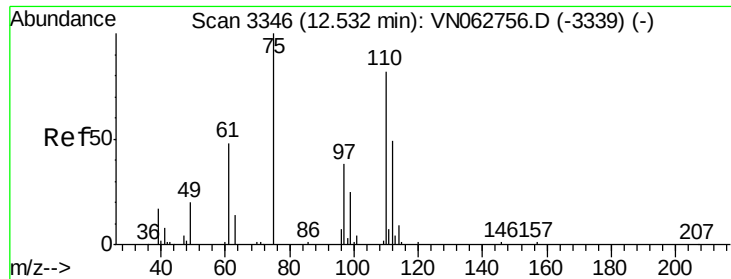
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 25.935 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062839.D

Acq: 11 Aug 2020 19:09

Instrument :

MSVOA_N

ClientSampleId :

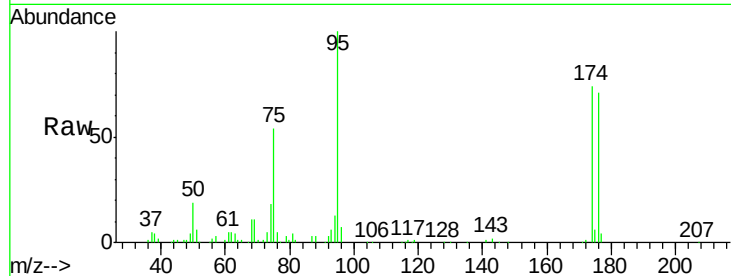
PB130874ZHE#01

Tgt Ion: 75 Resp: 59135

Ion Ratio Lower Upper

75 100

77 0.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN062839.D (-3253) (-)

Ion 77.00 (76.70 to 77.70): VN062839.D (-3253) (-)

12.38

40000

30000

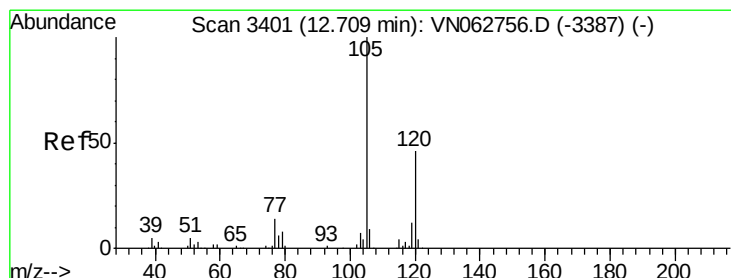
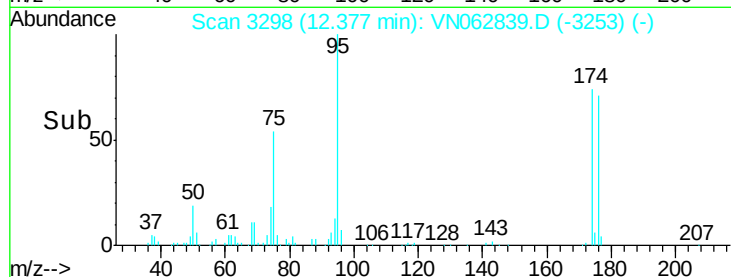
20000

10000

0

Time-->

12.30 12.35 12.40 12.45



#80

1,3,5-Trimethylbenzene

Concen: 0.377 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN062839.D

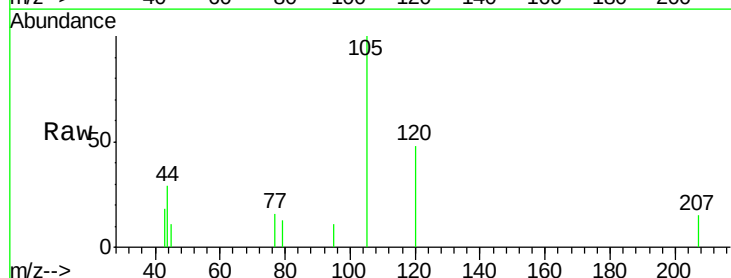
Acq: 11 Aug 2020 19:09

Tgt Ion: 105 Resp: 2084

Ion Ratio Lower Upper

105 100

120 47.3 22.9 68.5



Abundance Ion 105.00 (104.70 to 105.70): VN062839.D (-3308) (-)

Ion 120.00 (119.70 to 120.70): VN062839.D (-3308) (-)

12.71

1500

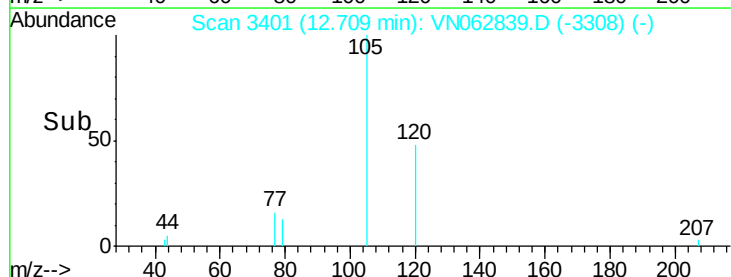
1000

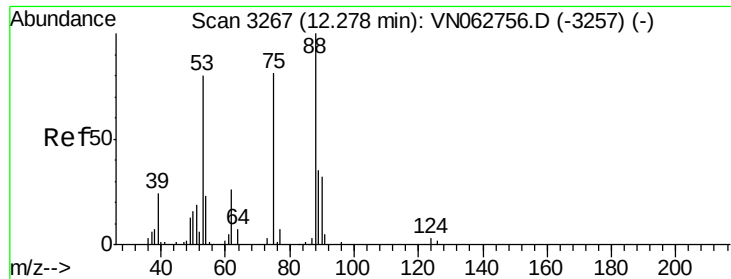
500

0

Time-->

12.70 12.75





#81

trans-1,4-Dichloro-2-butene

Concen: 79.173 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062839.D

Acq: 11 Aug 2020 19:09

Instrument :

MSVOA_N

ClientSampleId :

PB130874ZHE#01

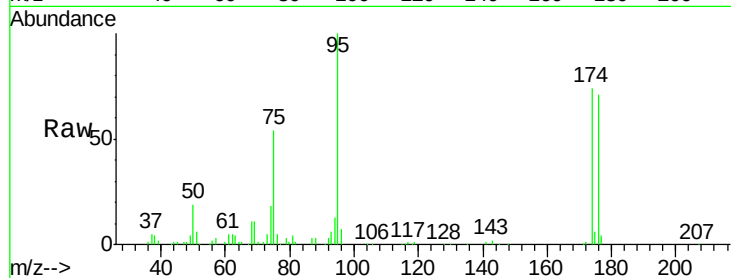
Tgt Ion: 75 Resp: 59135

Ion Ratio Lower Upper

75 100

53 0.0 79.1 118.7#

89 0.0 36.2 54.2#



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

