

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081120\
 Data File : VN062832.D
 Acq On : 11 Aug 2020 15:54
 Operator : JC/MD
 Sample : PB130875ZHE#17
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB130875ZHE#17

Quant Time: Aug 11 21:22:28 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	123789	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	216965	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	208676	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	82402	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	107736	52.63	ug/l	0.00
Spiked Amount			Recovery	=	105.26%	
35) Dibromofluoromethane	7.55	113	76263	51.38	ug/l	0.00
Spiked Amount			Recovery	=	102.76%	
50) Toluene-d8	10.06	98	266578	46.01	ug/l	0.00
Spiked Amount			Recovery	=	92.02%	
62) 4-Bromofluorobenzene	12.38	95	104073	47.53	ug/l	0.00
Spiked Amount			Recovery	=	95.06%	

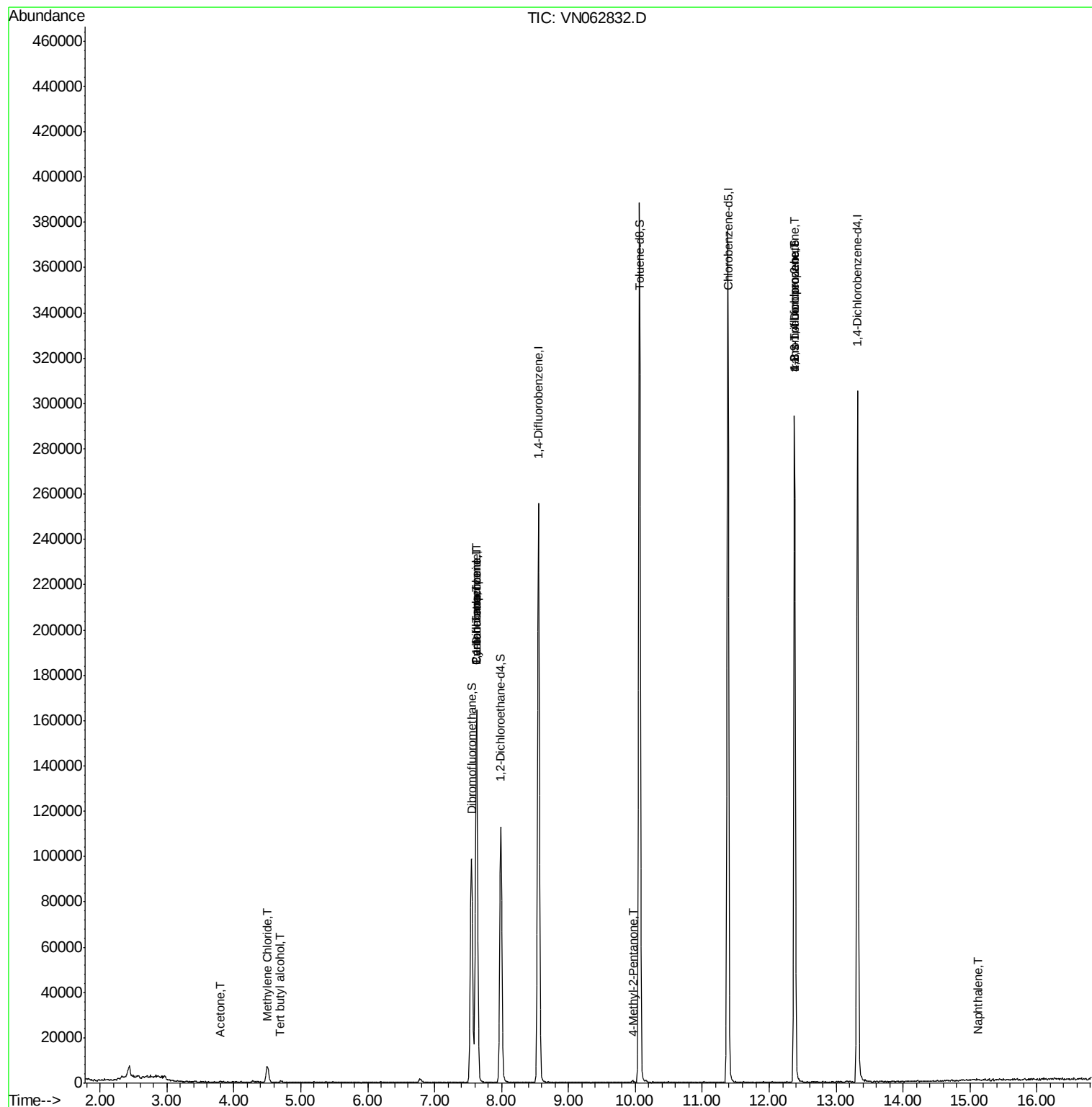
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.70	59	278	0.829	ug/l #	72
16) Acetone	3.79	43	307	0.415	ug/l #	45
18) Methyl Acetate	4.28	43	1264	Below Cal	#	52
20) Methylene Chloride	4.49	84	5500	3.354	ug/l #	90
31) Cyclohexane	7.62	56	2588	1.043	ug/l #	14
36) 1,1-Dichloropropene	7.63	75	10562	4.999	ug/l #	53
38) Carbon Tetrachloride	7.63	117	14072	5.632	ug/l #	15
51) 4-Methyl-2-Pentanone	9.96	43	922	0.387	ug/l #	36
76) 1,2,3-Trichloropropane	12.38	75	58147	26.165	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	58147	79.876	ug/l #	10
95) Naphthalene	15.12	128	30	3.716	ug/l #	68

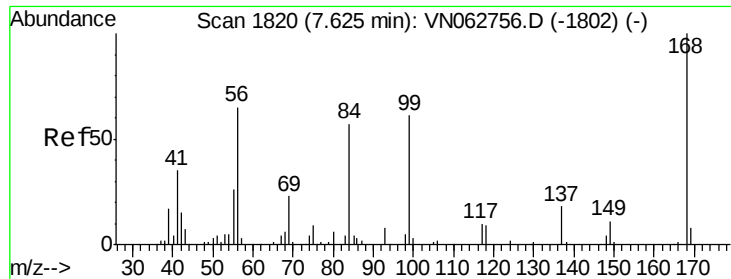
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN062832.D

Acq: 11 Aug 2020 15:54

Instrument :

MSVOA_N

ClientSampleId :

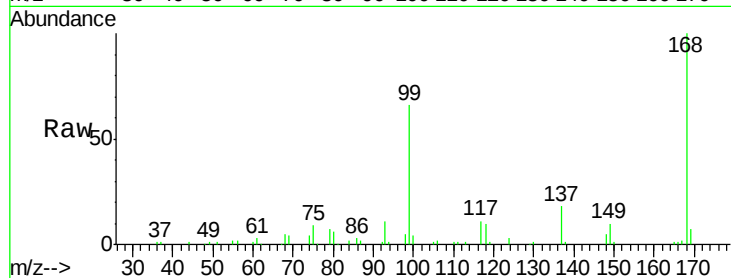
PB130875ZHE#17

Tgt Ion:168 Resp: 123789

Ion Ratio Lower Upper

168 100

99 65.7 52.9 79.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

60000

50000

40000

30000

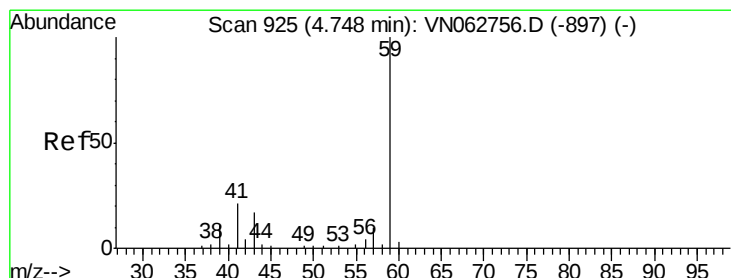
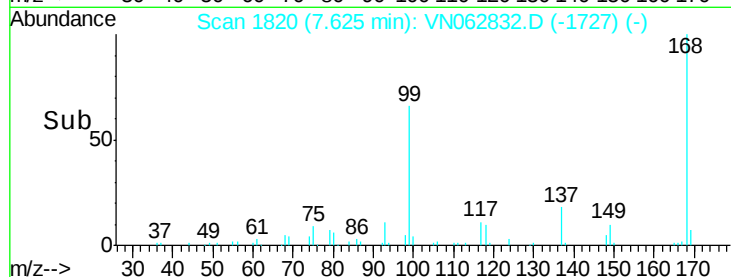
20000

10000

0

Time--> 7.50 7.60 7.70

7.63



#11

Tert butyl alcohol

Concen: 0.829 ug/l

RT: 4.70 min Scan# 910

Delta R.T. -0.05 min

Lab File: VN062832.D

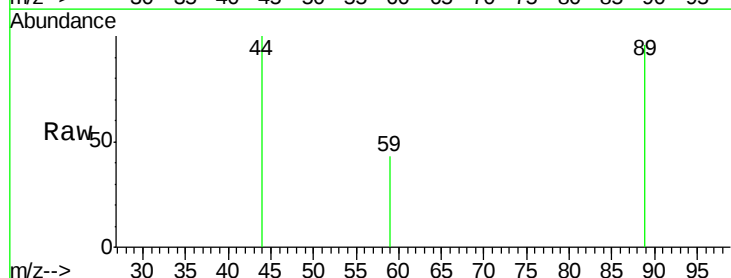
Acq: 11 Aug 2020 15:54

Tgt Ion: 59 Resp: 278

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

200

150

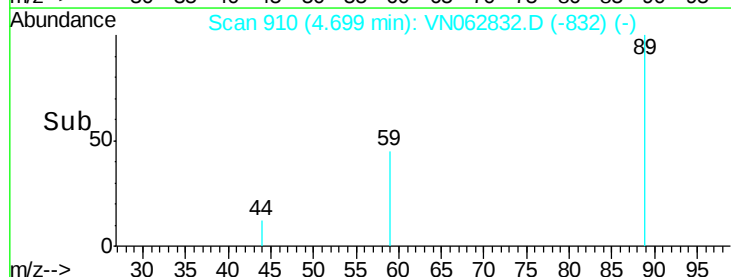
100

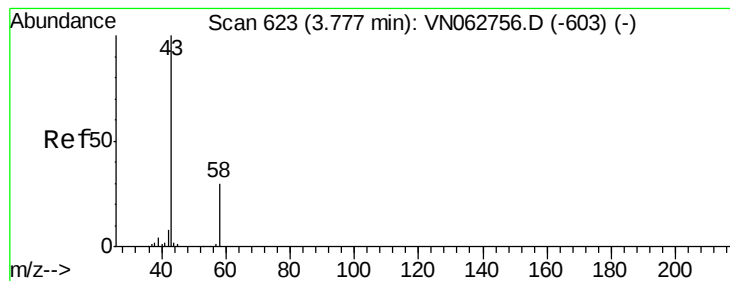
50

0

Time--> 4.68 4.70 4.72

4.70





#16

Acetone

Concen: 0.415 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.02 min

Lab File: VN062832.D

Acq: 11 Aug 2020 15:54

Instrument :

MSVOA_N

ClientSampleId :

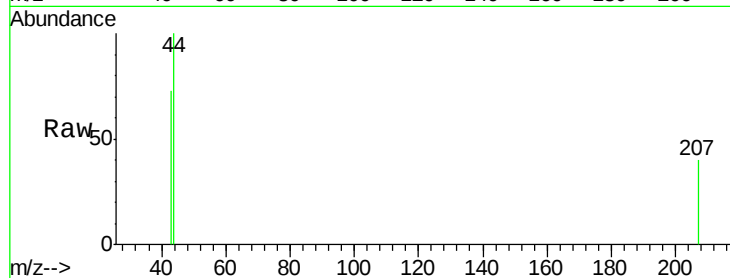
PB130875ZHE#17

Tgt Ion: 43 Resp: 307

Ion Ratio Lower Upper

43 100

58 0.0 24.1 36.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.79

250

200

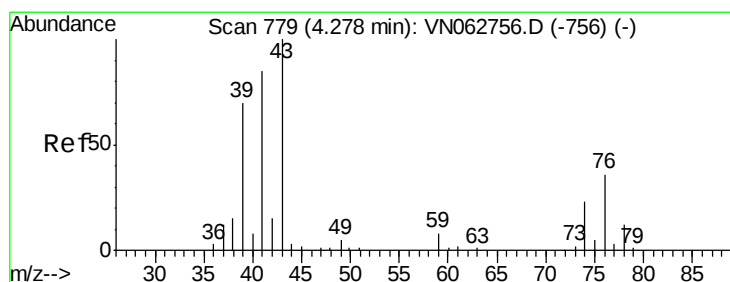
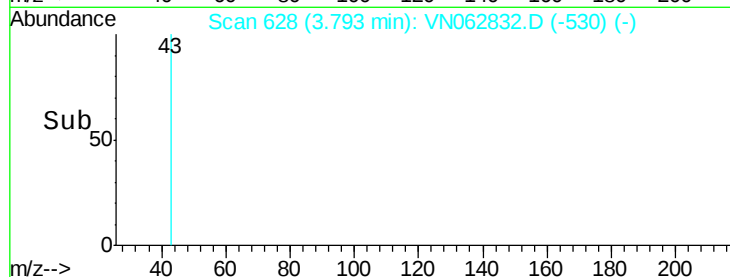
150

100

50

0

Time--> 3.77 3.78 3.79 3.80 3.81



#18

Methyl Acetate

Concen: Below Cal

RT: 4.28 min Scan# 781

Delta R.T. 0.01 min

Lab File: VN062832.D

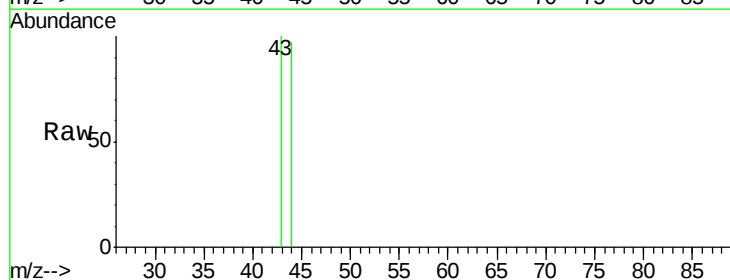
Acq: 11 Aug 2020 15:54

Tgt Ion: 43 Resp: 1264

Ion Ratio Lower Upper

43 100

74 0.0 18.6 28.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.28

500

400

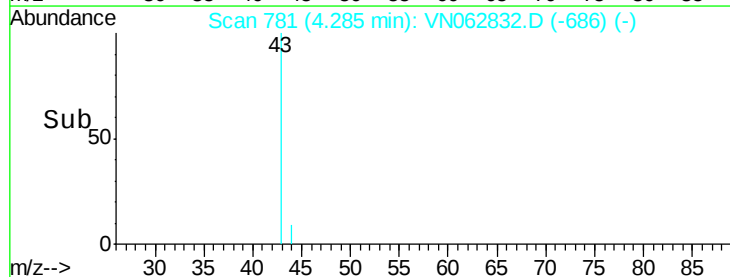
300

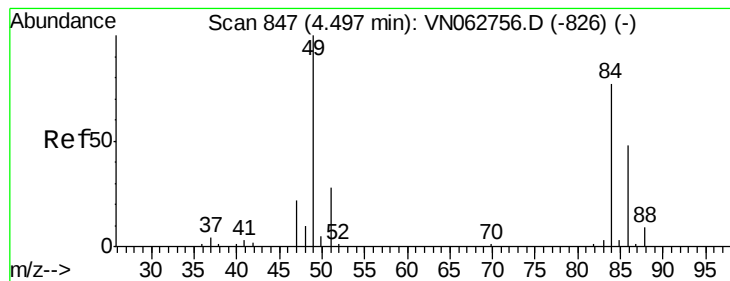
200

100

0

Time--> 4.25 4.30 4.35





#20

Methylene Chloride

Concen: 3.354 ug/l

RT: 4.49 min Scan# 846

Delta R.T. -0.00 min

Lab File: VN062832.D

Acq: 11 Aug 2020 15:54

Instrument :

MSVOA_N

ClientSampleId :

PB130875ZHE#17

Tgt Ion: 84 Resp: 5500

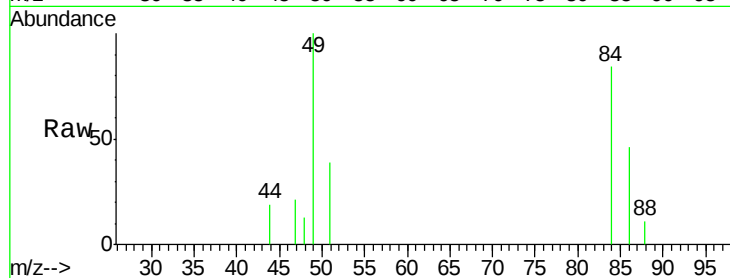
Ion Ratio Lower Upper

84 100

49 119.1 103.4 155.2

51 45.8 29.3 43.9#

86 55.3 49.9 74.9

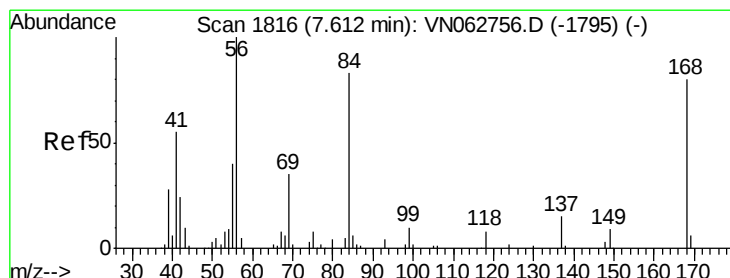
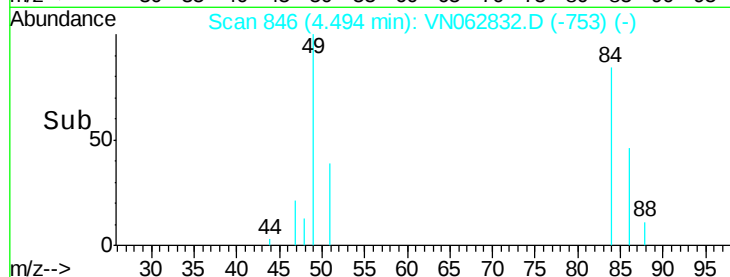
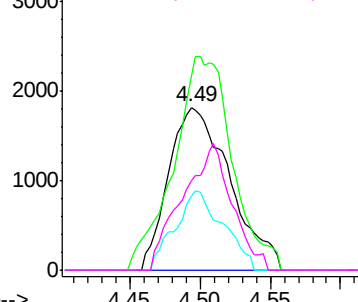


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#31

Cyclohexane

Concen: 1.043 ug/l

RT: 7.62 min Scan# 1817

Delta R.T. 0.00 min

Lab File: VN062832.D

Acq: 11 Aug 2020 15:54

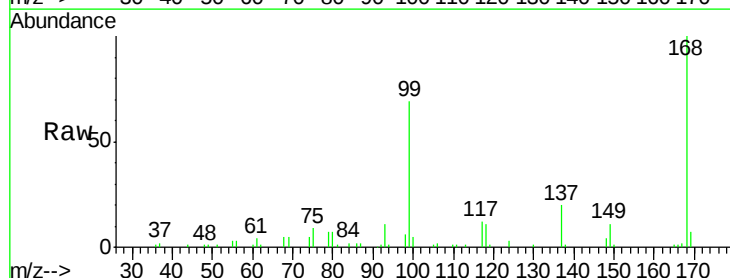
Tgt Ion: 56 Resp: 2588

Ion Ratio Lower Upper

56 100

69 195.8 28.1 42.1#

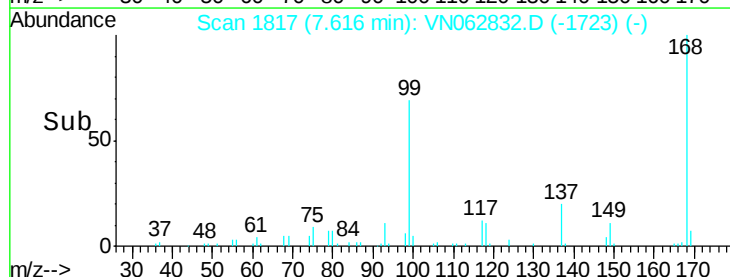
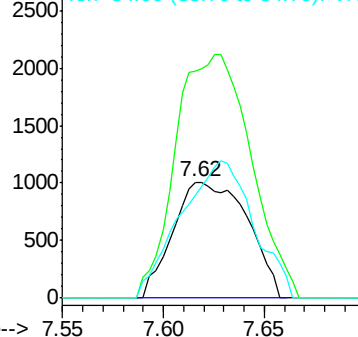
84 88.9 66.8 100.2

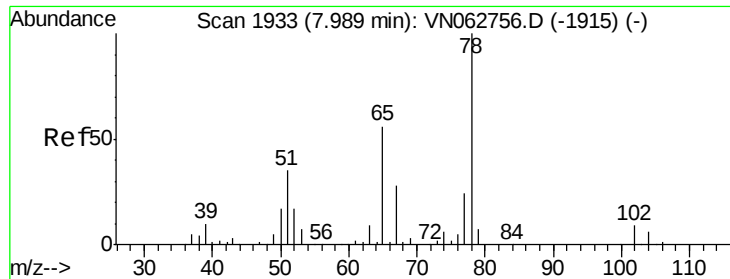


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0





#33

1,2-Dichloroethane-d4

Concen: 52.629 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN062832.D

Acq: 11 Aug 2020 15:54

Instrument :

MSVOA_N

ClientSampleId :

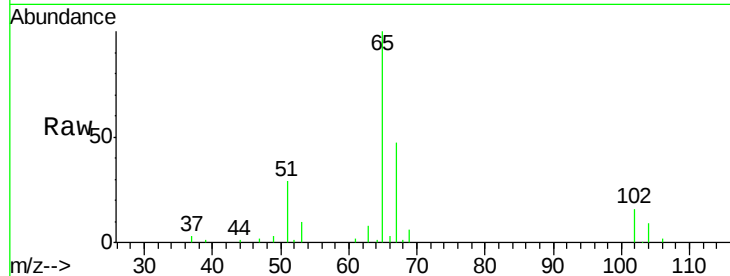
PB130875ZHE#17

Tgt Ion: 65 Resp: 107736

Ion Ratio Lower Upper

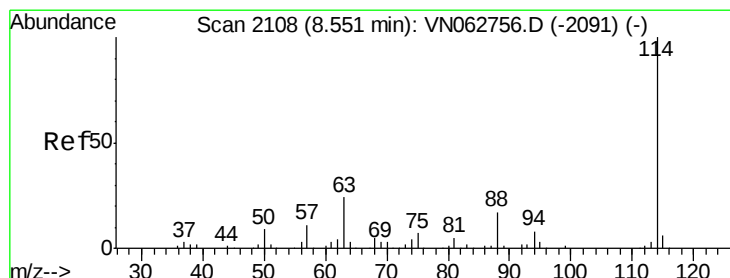
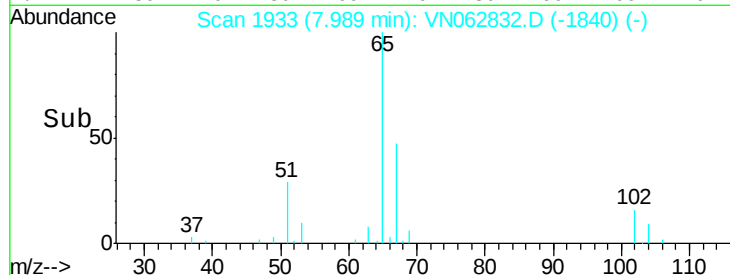
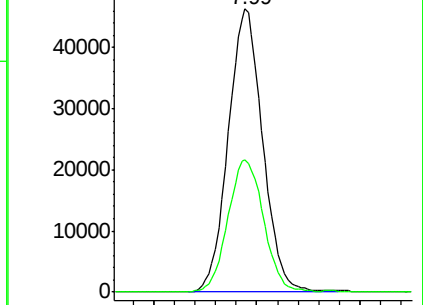
65 100

67 48.4 0.0 101.4



Abundance Ion 64.90 (64.60 to 65.60): VN062832.D (-1840) (-)

Ion 66.90 (66.60 to 67.60): VN062832.D (-1840) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. 0.00 min

Lab File: VN062832.D

Acq: 11 Aug 2020 15:54

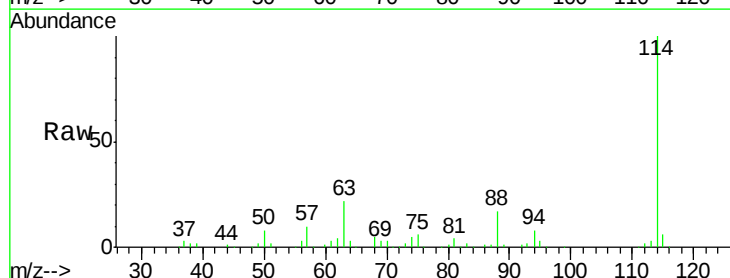
Tgt Ion: 114 Resp: 216965

Ion Ratio Lower Upper

114 100

63 22.0 0.0 47.6

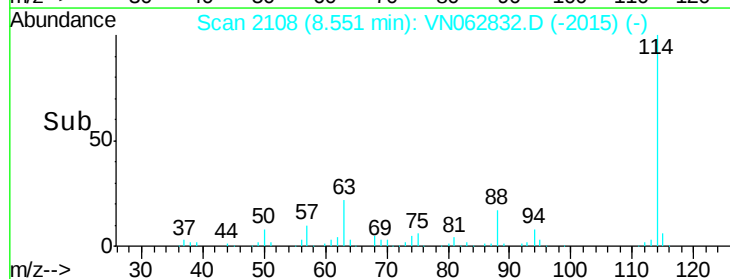
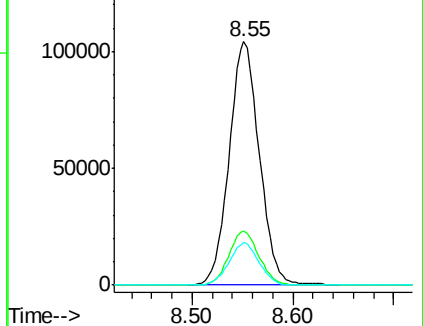
88 17.4 0.0 34.4

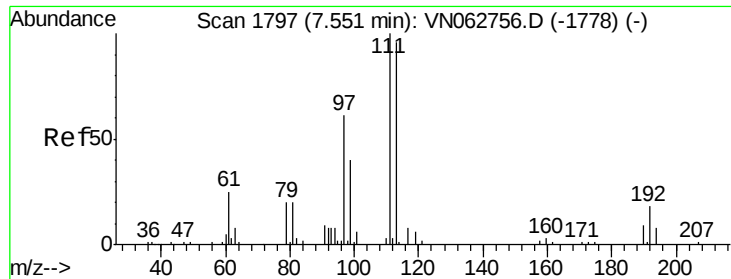


Abundance Ion 113.90 (113.60 to 114.60): VN062832.D (-2015) (-)

Ion 63.00 (62.70 to 63.70): VN062832.D (-2015) (-)

Ion 87.90 (87.60 to 88.60): VN062832.D (-2015) (-)

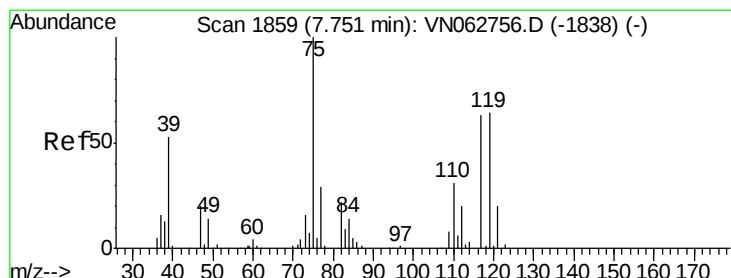
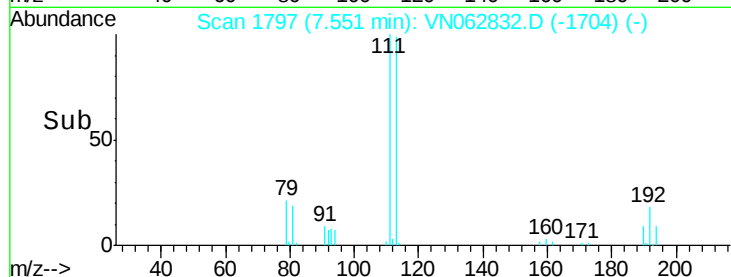
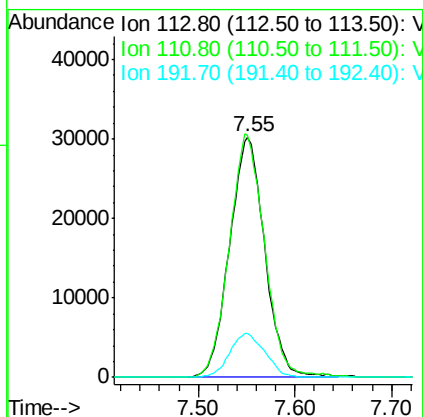
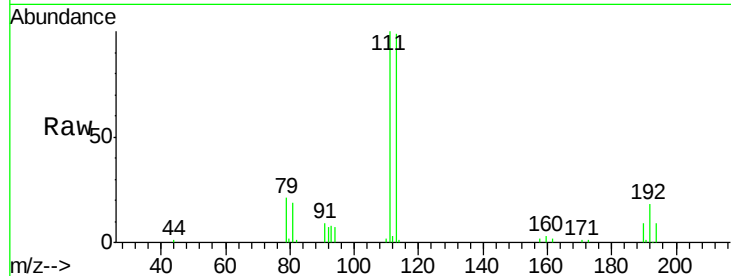




#35
 Dibromofluoromethane
 Concen: 51.385 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN062832.D
 Acq: 11 Aug 2020 15:54

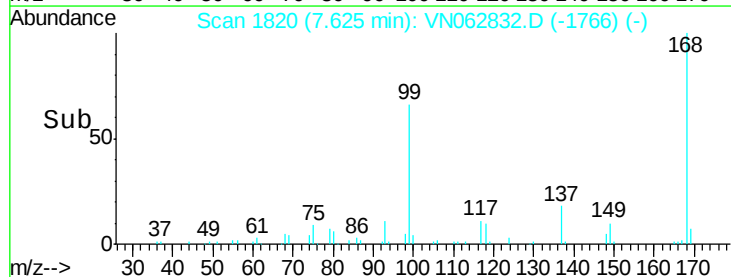
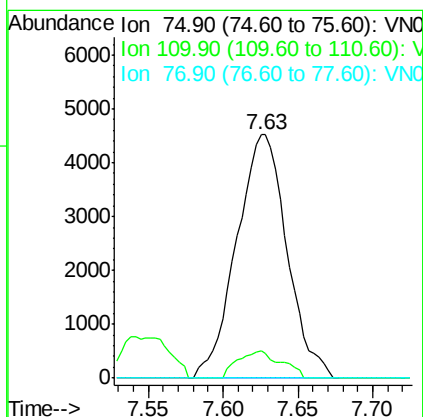
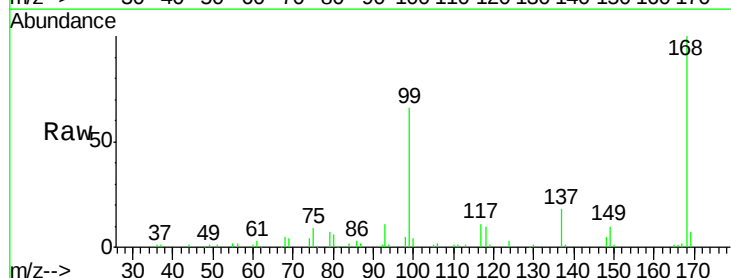
Instrument :
 MSVOA_N
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 PB130875ZHE#17

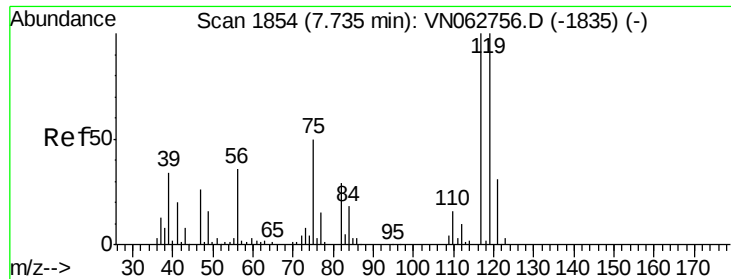
Tgt Ion:113 Resp: 76263
 Ion Ratio Lower Upper
 113 100
 111 101.6 81.8 122.6
 192 18.3 15.0 22.4



#36
 1,1-Dichloropropene
 Concen: 4.999 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062832.D
 Acq: 11 Aug 2020 15:54

Tgt Ion: 75 Resp: 10562
 Ion Ratio Lower Upper
 75 100
 110 9.6 15.6 46.7#
 77 0.0 24.1 36.1#





#38

Carbon Tetrachloride

Concen: 5.632 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.11 min

Lab File: VN062832.D

Acq: 11 Aug 2020 15:54

Instrument :

MSVOA_N

ClientSampleId :

PB130875ZHE#17

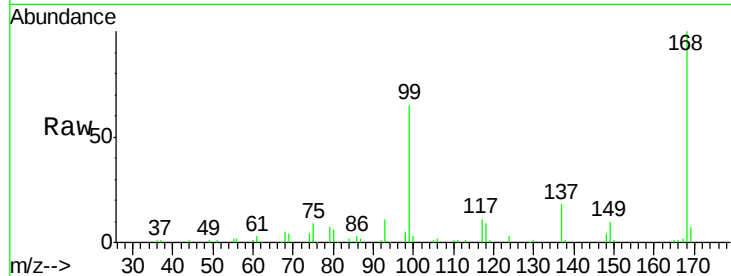
Tgt Ion:117 Resp: 14072

Ion Ratio Lower Upper

117 100

119 5.6 79.4 119.2#

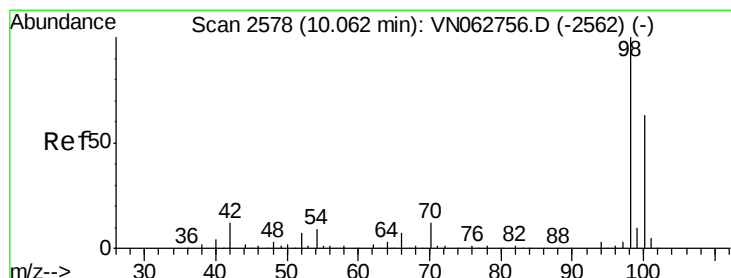
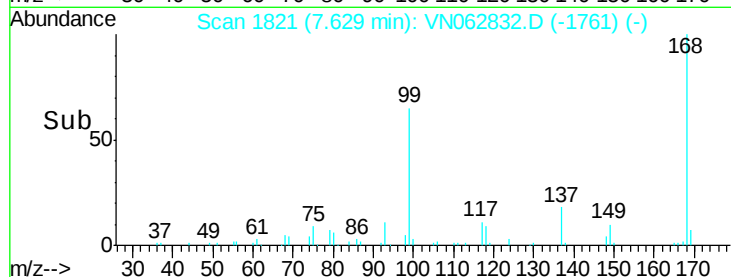
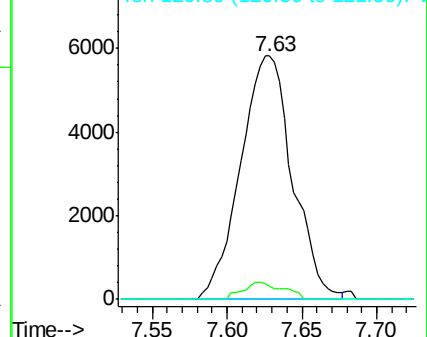
121 0.0 24.9 37.3#



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



#50

Toluene-d8

Concen: 46.007 ug/l

RT: 10.06 min Scan# 2578

Delta R.T. 0.00 min

Lab File: VN062832.D

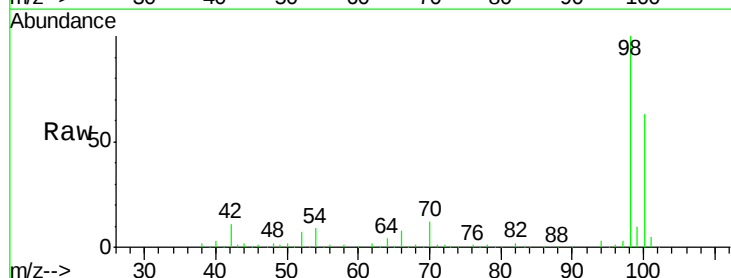
Acq: 11 Aug 2020 15:54

Tgt Ion: 98 Resp: 266578

Ion Ratio Lower Upper

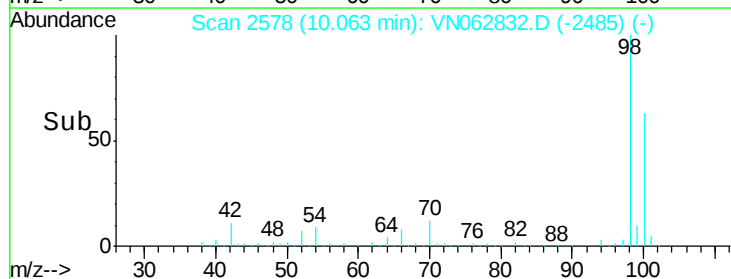
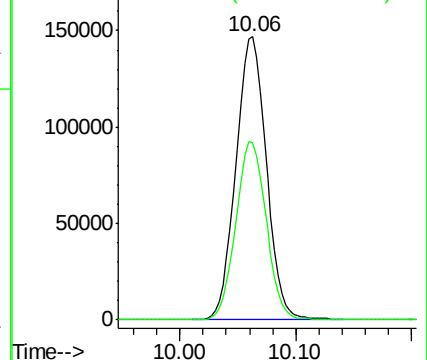
98 100

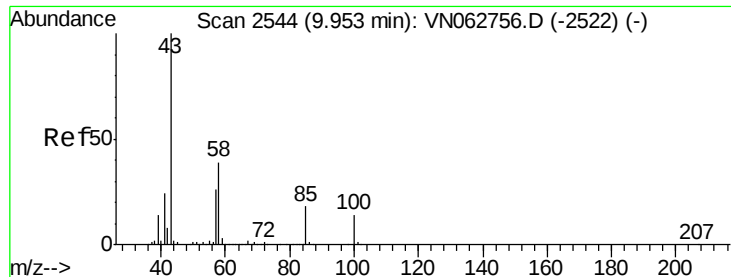
100 63.0 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN

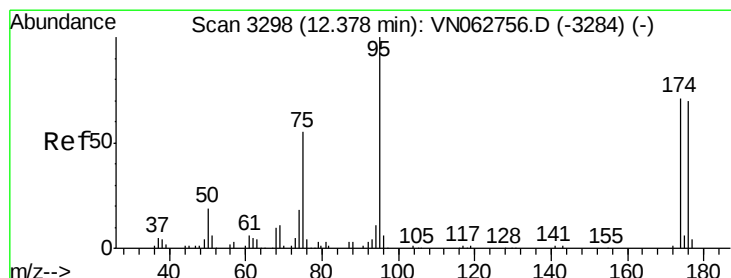
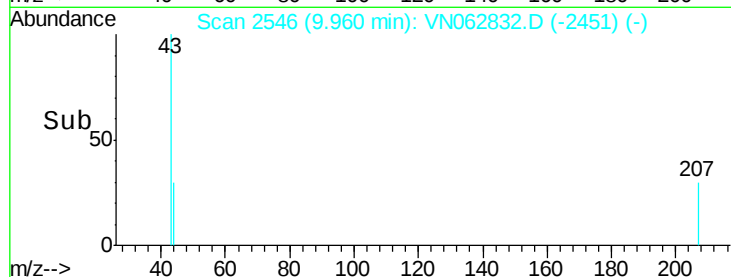
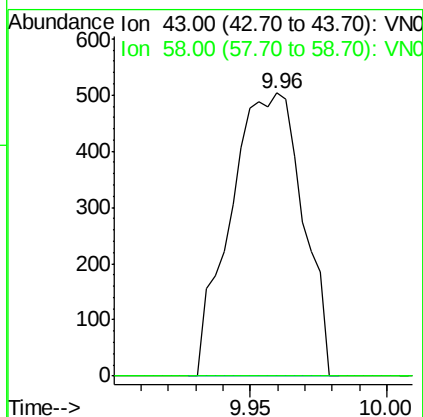
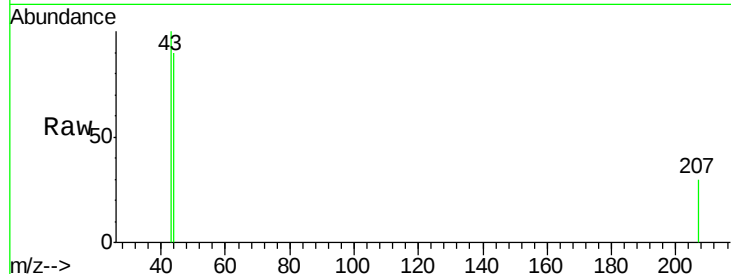




#51
 4-Methyl-2-Pentanone
 Concen: 0.387 ug/l
 RT: 9.96 min Scan# 2546
 Delta R.T. 0.01 min
 Lab File: VN062832.D
 Acq: 11 Aug 2020 15:54

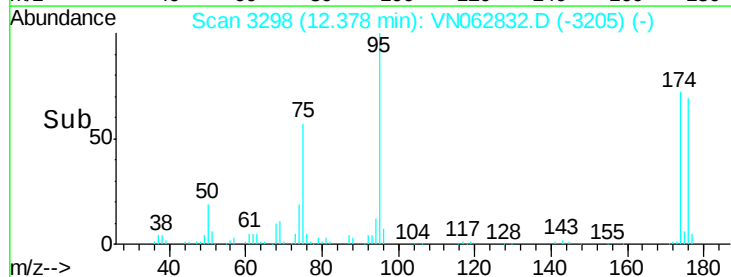
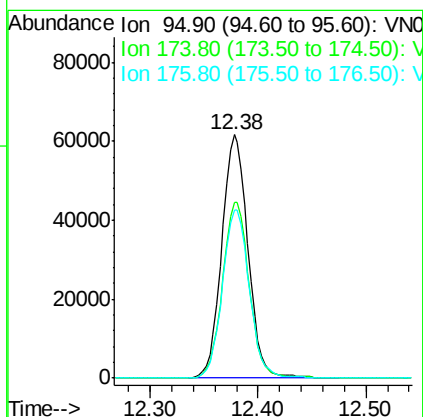
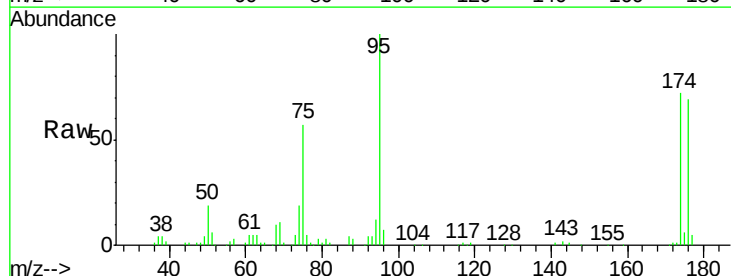
Instrument :
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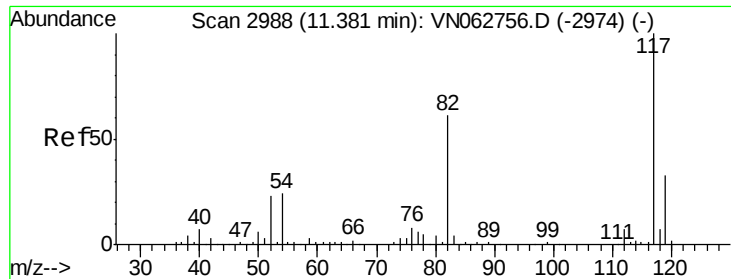
Tgt Ion: 43 Resp: 922
 Ion Ratio Lower Upper
 43 100
 58 0.0 31.1 46.7#



#62
 4-Bromofluorobenzene
 Concen: 47.529 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VN062832.D
 Acq: 11 Aug 2020 15:54

Tgt Ion: 95 Resp: 104073
 Ion Ratio Lower Upper
 95 100
 174 73.4 0.0 144.8
 176 71.1 0.0 142.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. 0.00 min

Lab File: VN062832.D

Acq: 11 Aug 2020 15:54

Instrument :

MSVOA_N

ClientSampleId :

PB130875ZHE#17

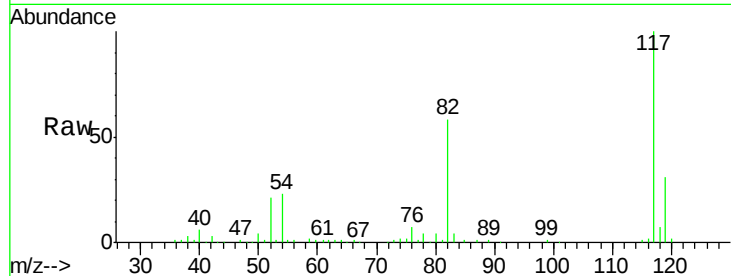
Tgt Ion:117 Resp: 208676

Ion Ratio Lower Upper

117 100

82 58.4 49.0 73.4

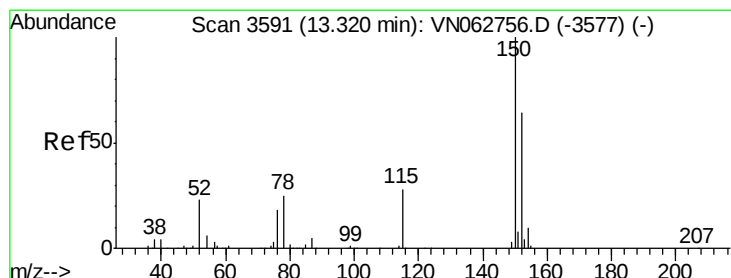
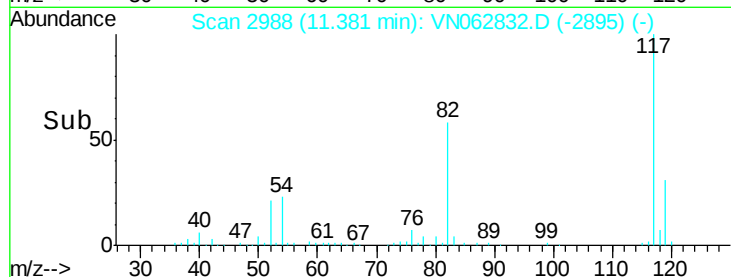
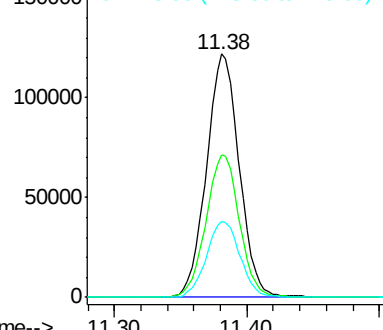
119 31.1 26.2 39.2



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062832.D

Acq: 11 Aug 2020 15:54

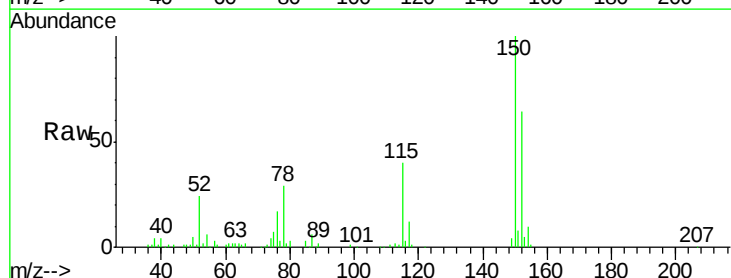
Tgt Ion:152 Resp: 82402

Ion Ratio Lower Upper

152 100

115 62.7 31.6 94.8

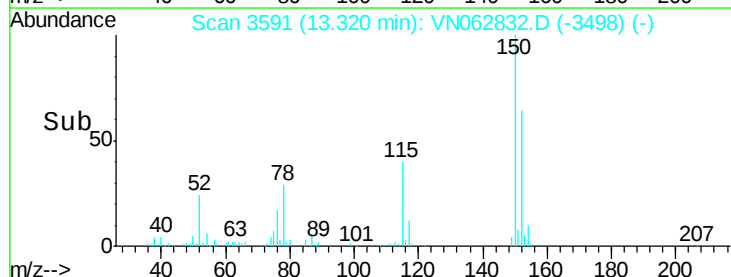
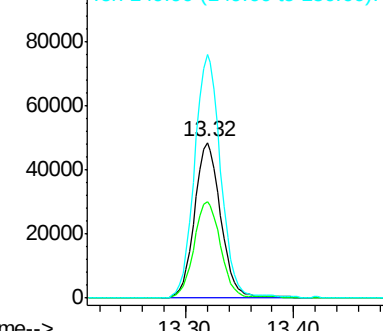
150 155.0 0.0 349.2

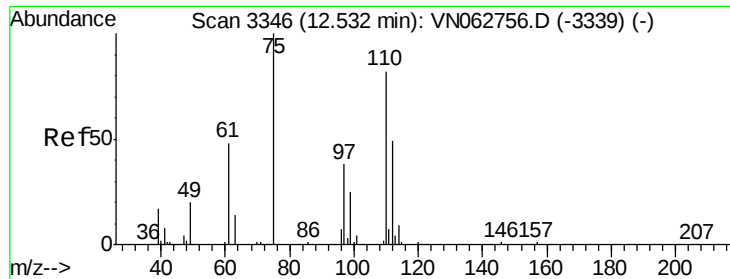


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

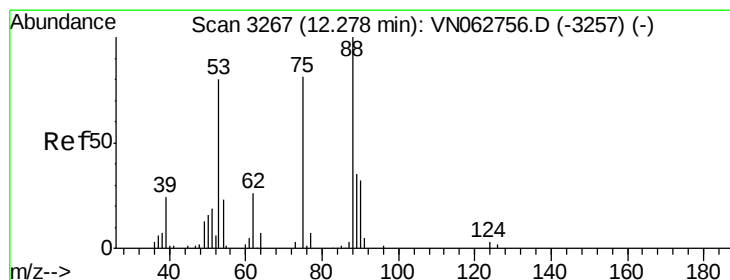
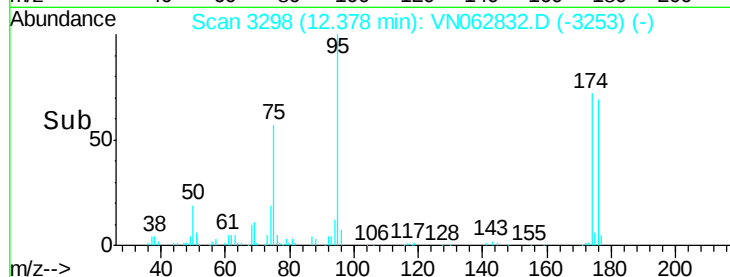
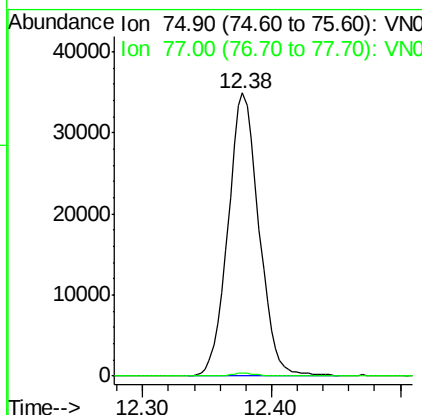
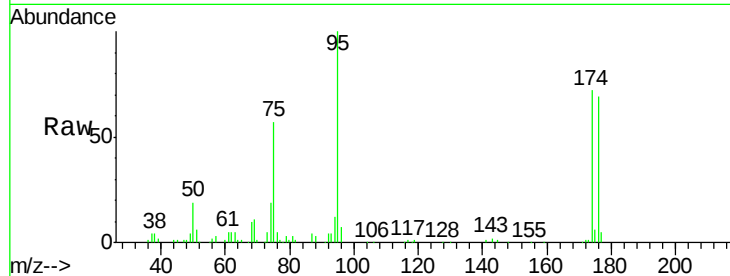




#76
 1,2,3-Trichloropropane
 Concen: 26.165 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.15 min
 Lab File: VN062832.D
 Acq: 11 Aug 2020 15:54

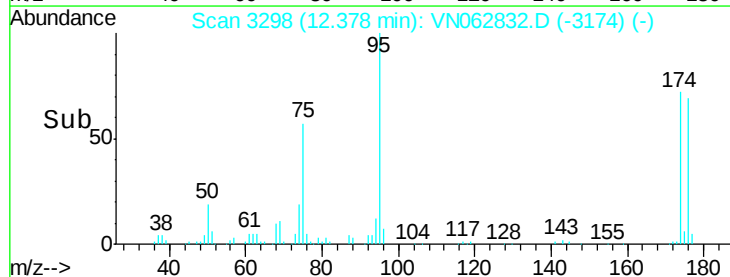
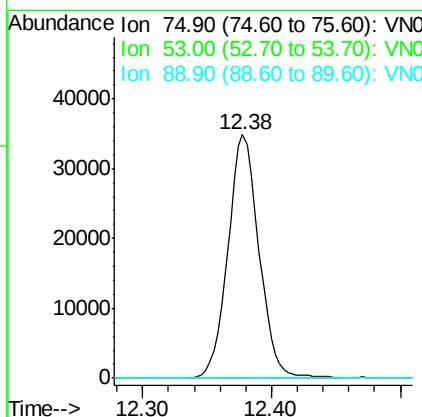
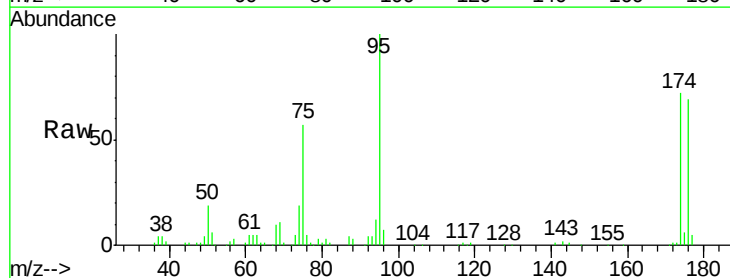
Instrument :
 MSVOA_N
 ClientSampleId :
 PB130875ZHE#17

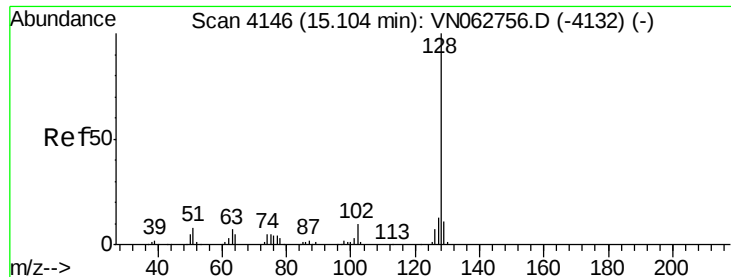
Tgt Ion: 75 Resp: 58147
 Ion Ratio Lower Upper
 75 100
 77 0.7 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 79.876 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.10 min
 Lab File: VN062832.D
 Acq: 11 Aug 2020 15:54

Tgt Ion: 75 Resp: 58147
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.1 118.7#
 89 0.0 36.2 54.2#





#95

Naphthalene

Concen: 3.716 ug/l

RT: 15.12 min Scan# 4152

Delta R.T. 0.02 min

Lab File: VN062832.D

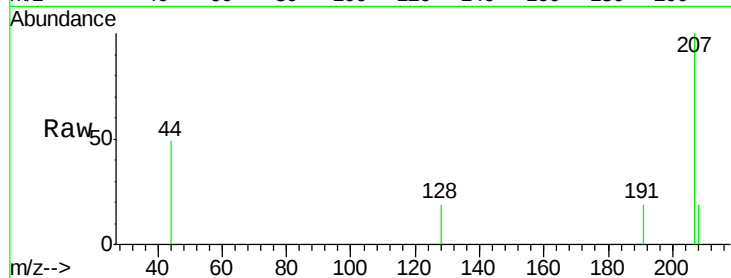
Acq: 11 Aug 2020 15:54

Instrument :

MSVOA_N

ClientSampleId :

PB130875ZHE#17



Tgt Ion:	128	Resp:	30
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.8	16.2#
129	0.0	8.8	13.2#

