

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081220\
 Data File : VN062886.D
 Acq On : 13 Aug 2020 3:56
 Operator : JC/MD
 Sample : PB130908ZHE#16
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB130908ZHE#16

Quant Time: Aug 13 05:29:55 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	120957	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	209218	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	212880	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	79782	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	104761	52.37	ug/l	0.00
Spiked Amount			Recovery	=	104.74%	
35) Dibromofluoromethane	7.55	113	74639	52.15	ug/l	0.00
Spiked Amount			Recovery	=	104.30%	
50) Toluene-d8	10.06	98	273408	48.93	ug/l	0.00
Spiked Amount			Recovery	=	97.86%	
62) 4-Bromofluorobenzene	12.38	95	101473	48.06	ug/l	0.00
Spiked Amount			Recovery	=	96.12%	

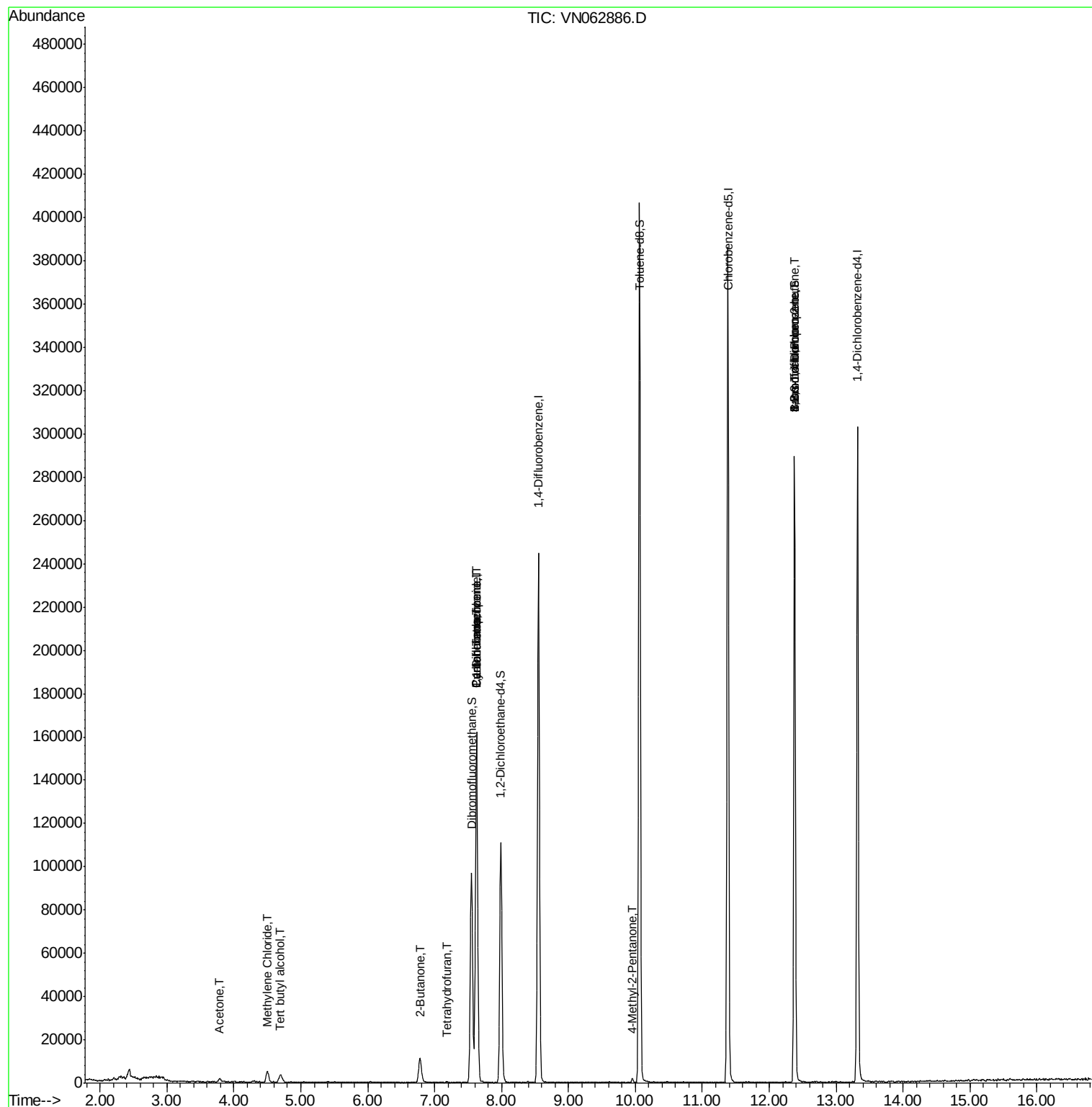
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.69	59	3573	10.899	ug/l #	72
16) Acetone	3.78	43	3214	4.447	ug/l	93
18) Methyl Acetate	4.28	43	594	Below Cal	#	52
20) Methylene Chloride	4.49	84	1719	0.548	ug/l #	80
25) 2-Butanone	6.80	43	1432	1.399	ug/l #	49
29) Tetrahydrofuran	7.18	42	431	0.648	ug/l #	38
31) Cyclohexane	7.63	56	2879	1.187	ug/l #	14
36) 1,1-Dichloropropene	7.63	75	10985	5.392	ug/l #	52
38) Carbon Tetrachloride	7.62	117	13069	5.424	ug/l #	14
51) 4-Methyl-2-Pentanone	9.96	43	1544	0.672	ug/l #	82
71) Bromoform	12.38	173	642	0.439	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	55216	25.662	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	55216	78.340	ug/l #	10

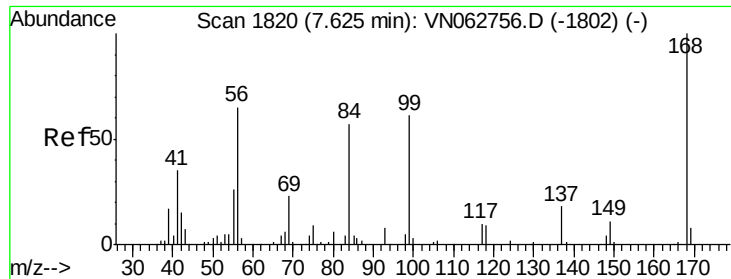
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN081220\
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Quant Time: Aug 13 05:29:55 2020
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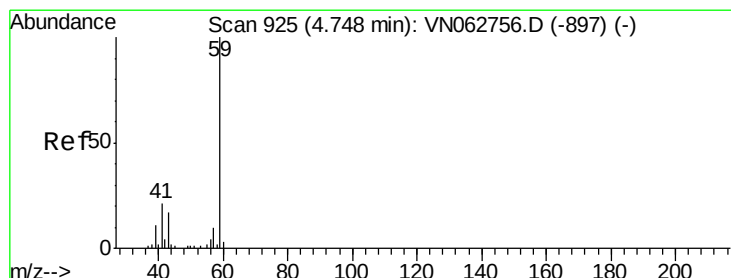
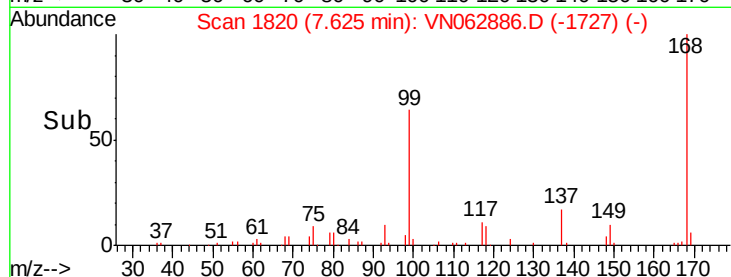
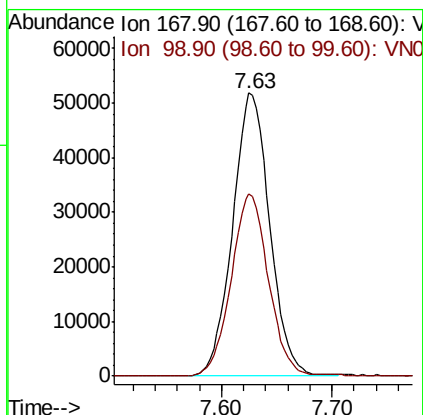
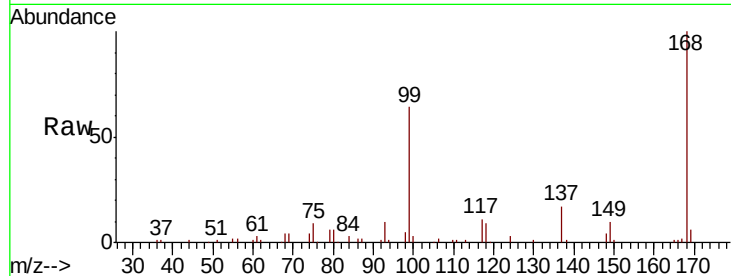




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. -0.00 min
Lab File: VN062886.D
Acq: 13 Aug 2020 3:56

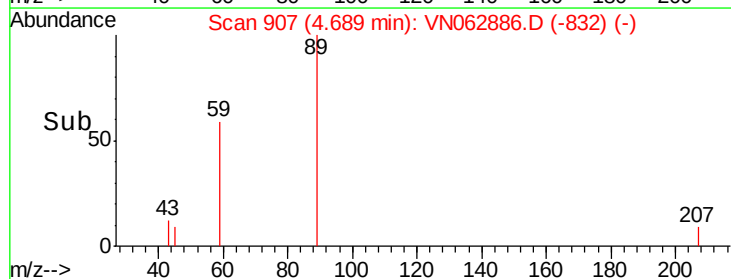
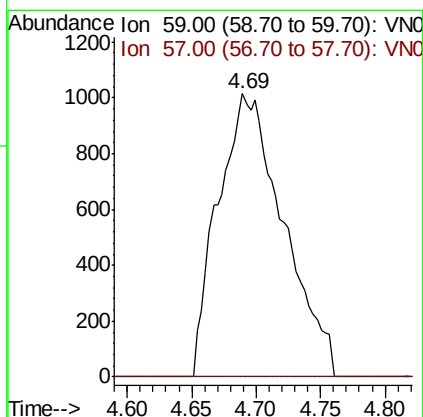
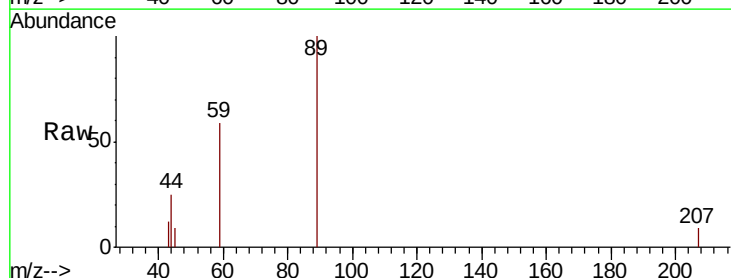
Instrument :
MSVOA_N
ClientSampleId :
PB130908ZHE#16

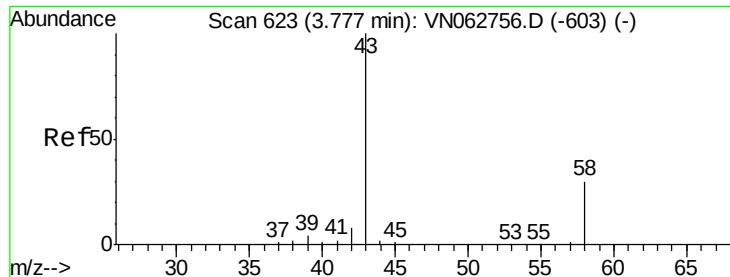
Tot Ion:168 Resp: 120957
Ion Ratio Lower Upper
168 100
99 64.4 52.9 79.3



#11
Tert butyl alcohol
Concen: 10.899 ug/l
RT: 4.69 min Scan# 907
Delta R.T. -0.06 min
Lab File: VN062886.D
Acq: 13 Aug 2020 3:56

Tgt Ion: 59 Resp: 3573
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#16

Acetone

Concen: 4.447 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.01 min

Lab File: VN062886.D

Acq: 13 Aug 2020 3:56

Instrument :

MSVOA_N

ClientSampleId :

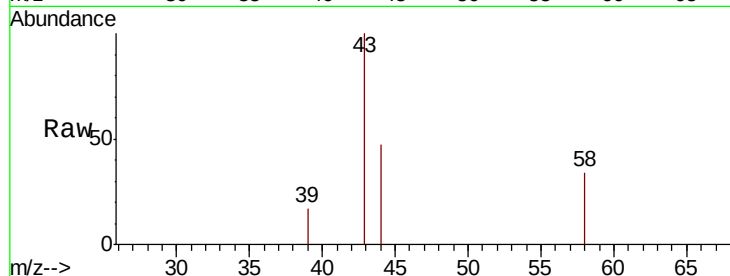
PB130908ZHE#16

Tot Ion: 43 Resp: 3214

Ion Ratio Lower Upper

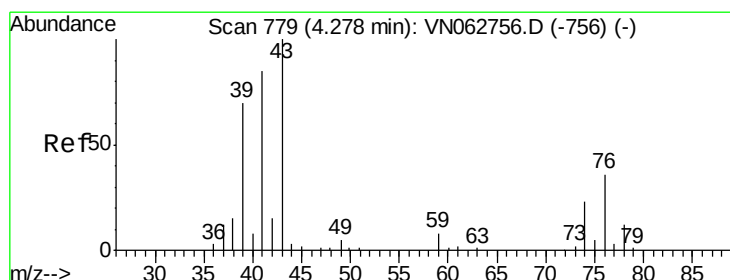
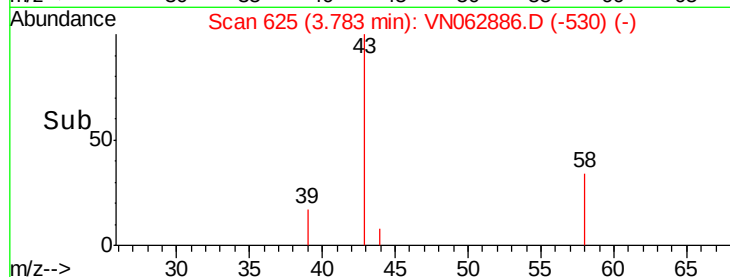
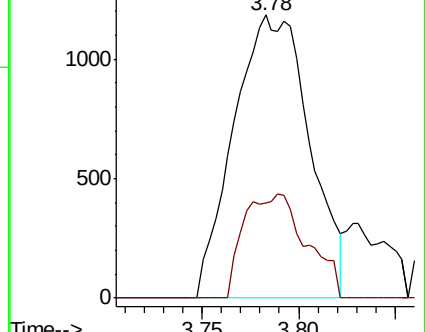
43 100

58 33.7 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VN062756.D (-603) (-)

Ion 58.00 (57.70 to 58.70): VN062756.D (-603) (-)



#18

Methyl Acetate

Concen: Below Cal

RT: 4.28 min Scan# 780

Delta R.T. 0.00 min

Lab File: VN062886.D

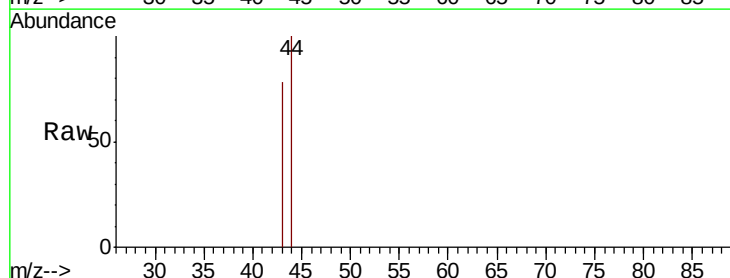
Acq: 13 Aug 2020 3:56

Tgt Ion: 43 Resp: 594

Ion Ratio Lower Upper

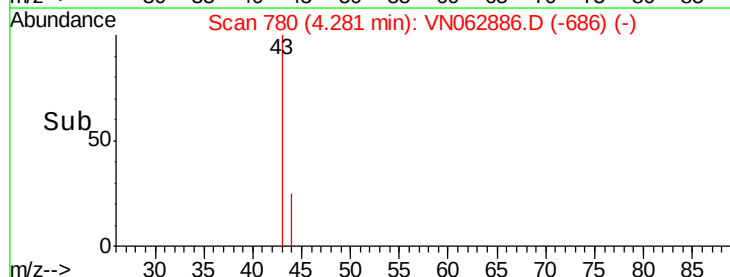
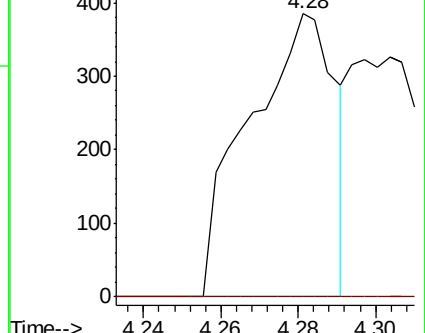
43 100

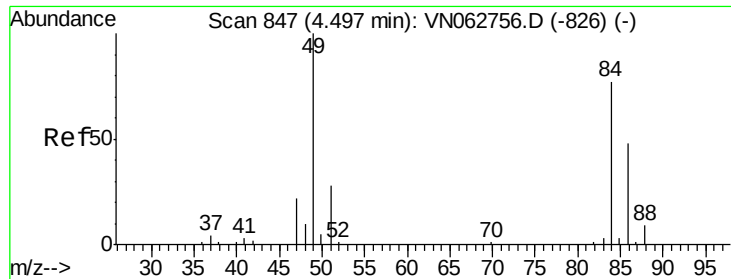
74 0.0 18.6 28.0#



Abundance Ion 43.00 (42.70 to 43.70): VN062756.D (-756) (-)

Ion 74.00 (73.70 to 74.70): VN062756.D (-756) (-)

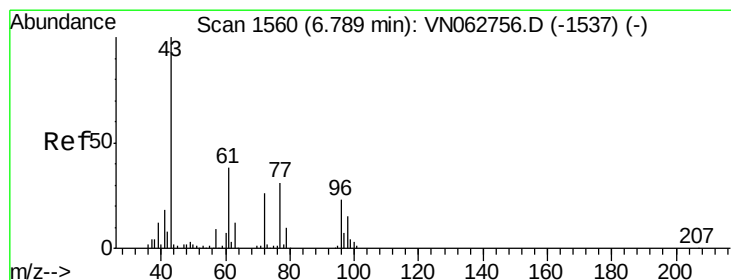
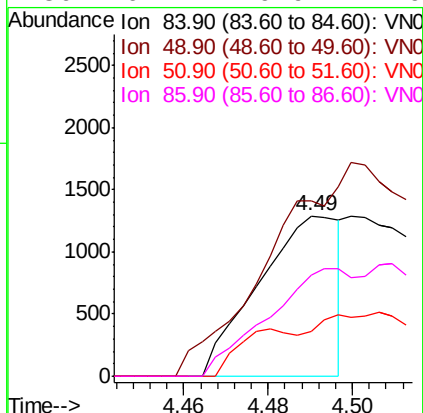
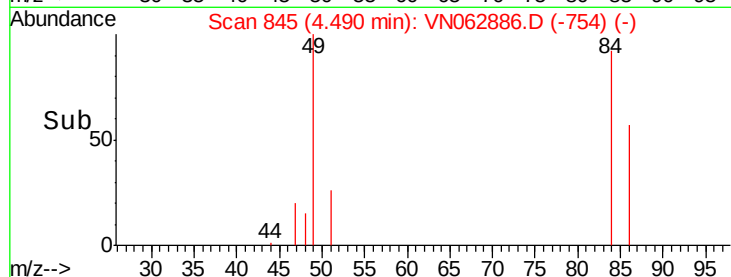
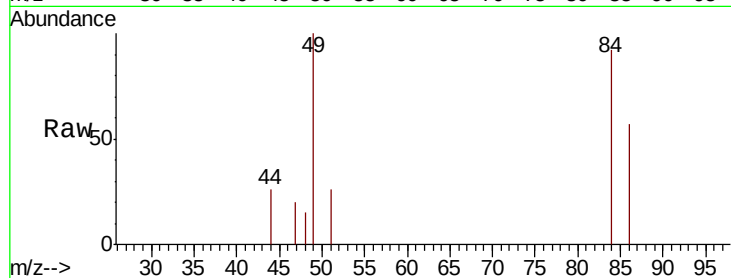




#20
Methvlene Chloride
Concen: 0.548 ug/l
RT: 4.49 min Scan# 845
Delta R.T. -0.01 min
Lab File: VN062886.D
Acq: 13 Aug 2020 3:56

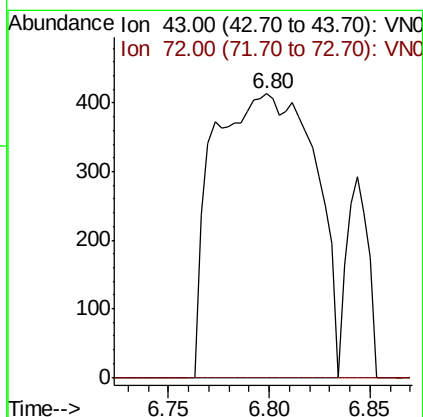
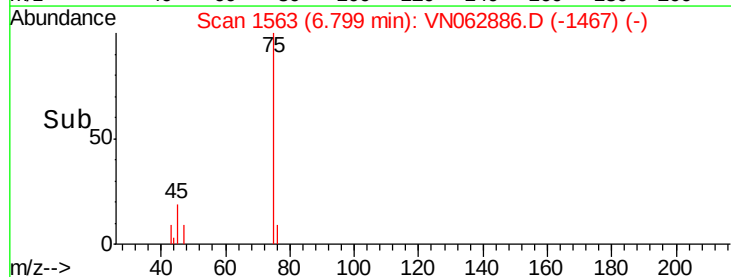
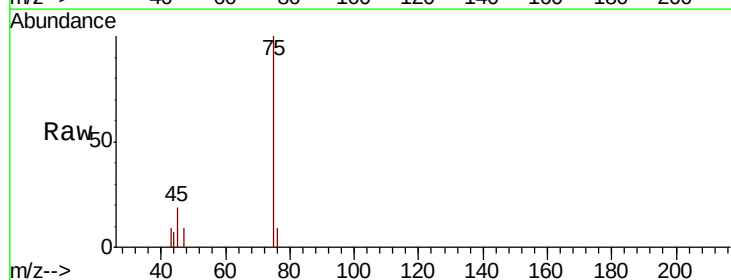
Instrument :
MSVOA_N
ClientSampleId :
PB130908ZHE#16

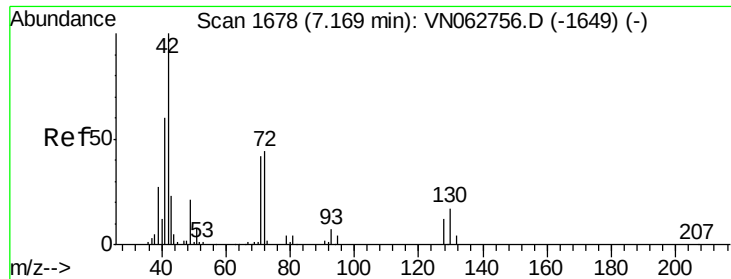
Tot Ion: 84 Resp: 1719
Ion Ratio Lower Upper
84 100
49 93.0 103.4 155.2#
51 27.9 29.3 43.9#
86 62.7 49.9 74.9



#25
2-Butanone
Concen: 1.399 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.01 min
Lab File: VN062886.D
Acq: 13 Aug 2020 3:56

Tgt Ion: 43 Resp: 1432
Ion Ratio Lower Upper
43 100
72 0.0 21.1 31.7#





#29

Tetrahydrofuran

Concen: 0.648 ug/l

RT: 7.18 min Scan# 1682

Delta R.T. 0.01 min

Lab File: VN062886.D

Acq: 13 Aug 2020 3:56

Instrument :

MSVOA_N

ClientSampleId :

PB130908ZHE#16

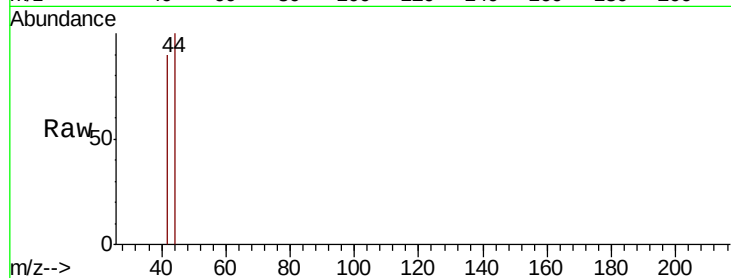
Tot Ion: 42 Resp: 431

Ion Ratio Lower Upper

42 100

72 6.7 35.0 52.4#

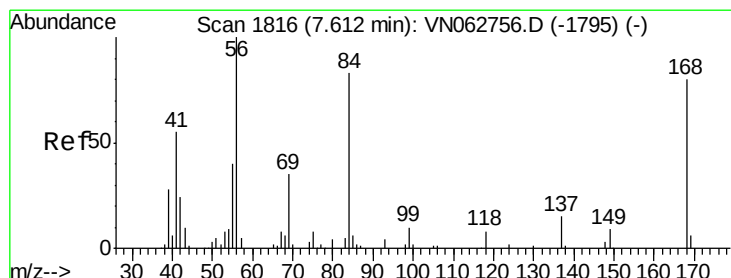
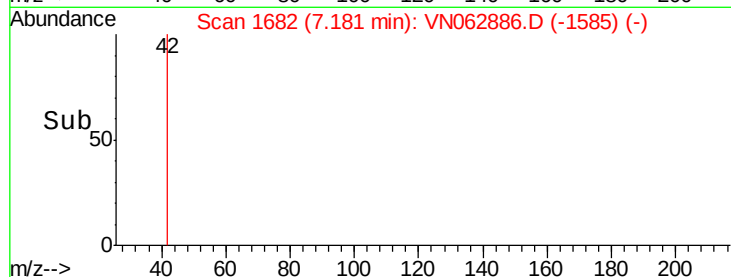
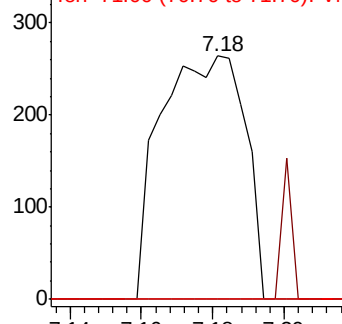
71 0.0 33.2 49.8#



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



#31

Cyclohexane

Concen: 1.187 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.02 min

Lab File: VN062886.D

Acq: 13 Aug 2020 3:56

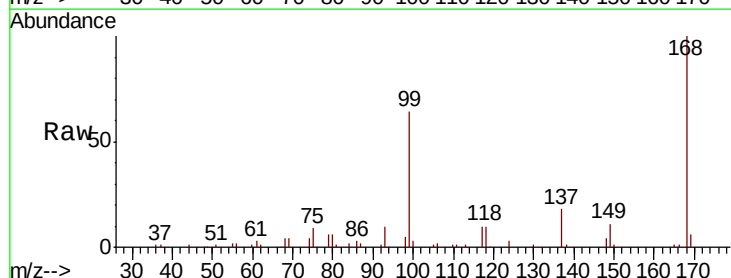
Tgt Ion: 56 Resp: 2879

Ion Ratio Lower Upper

56 100

69 186.9 28.1 42.1#

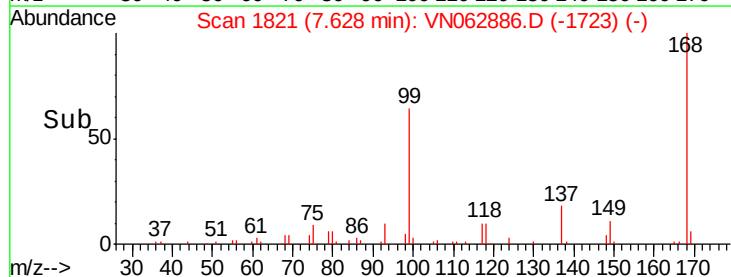
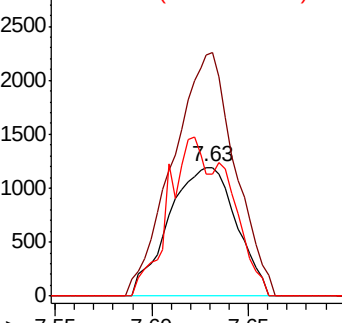
84 94.3 66.8 100.2

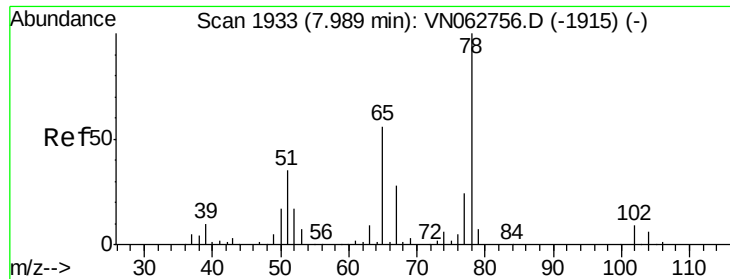


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

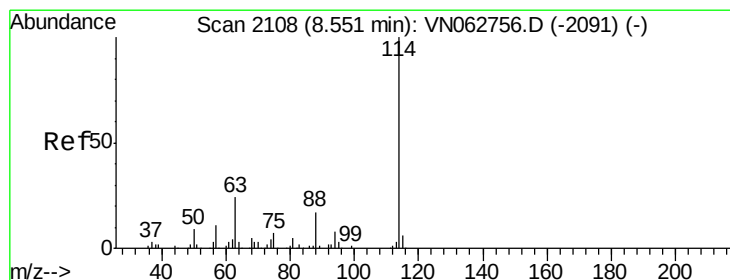
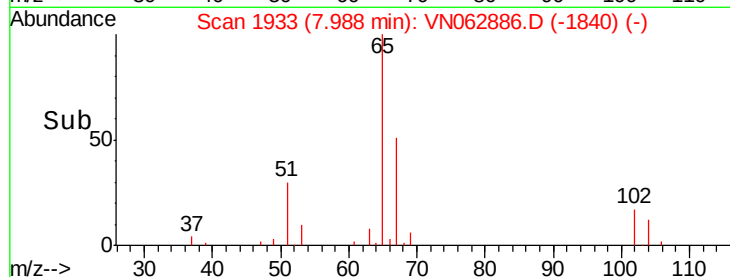
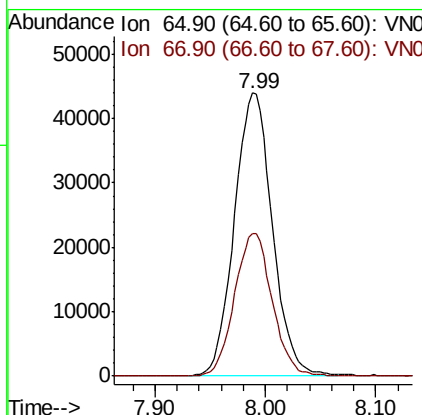
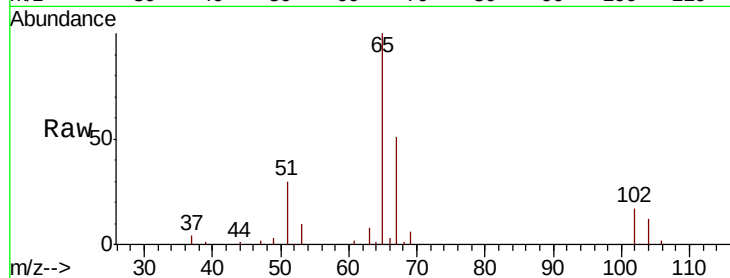




#33
 1,2-Dichloroethane-d4
 Concen: 52.374 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. -0.00 min
 Lab File: VN062886.D
 Acq: 13 Aug 2020 3:56

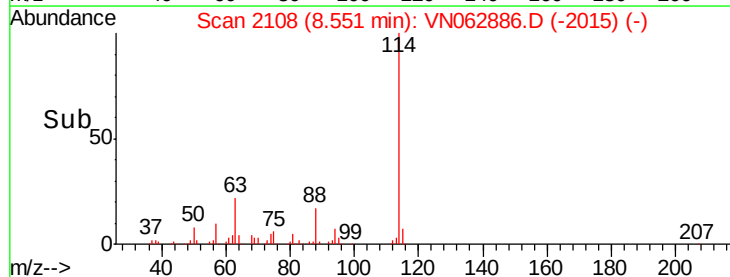
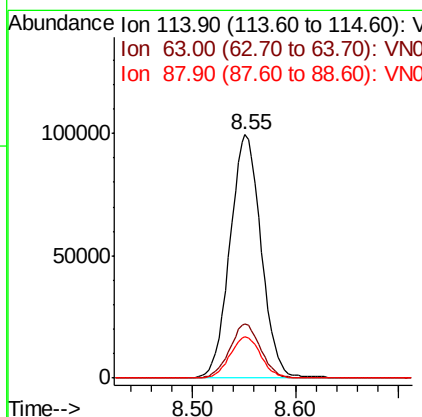
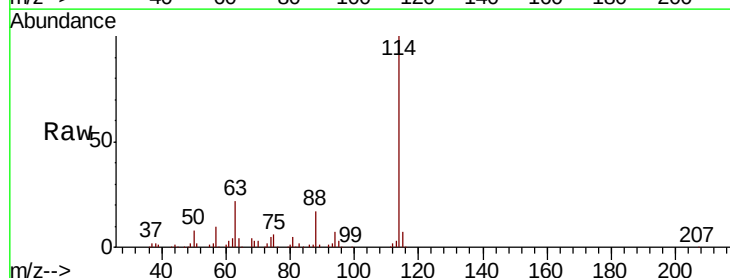
Instrument :
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 PB130908ZHE#16

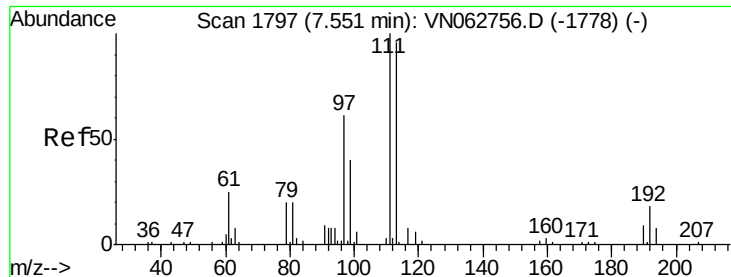
Tot Ion: 65 Resp: 104761
 Ion Ratio Lower Upper
 65 100
 67 49.9 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062886.D
 Acq: 13 Aug 2020 3:56

Tgt Ion: 114 Resp: 209218
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 47.6
 88 16.9 0.0 34.4

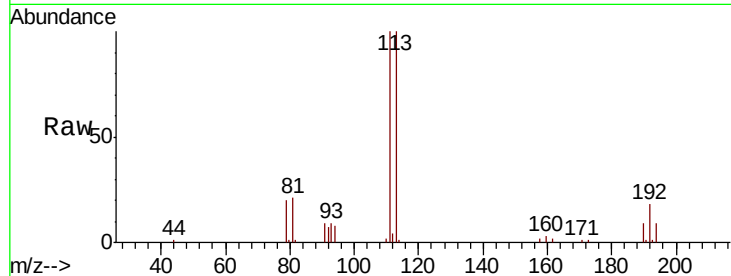




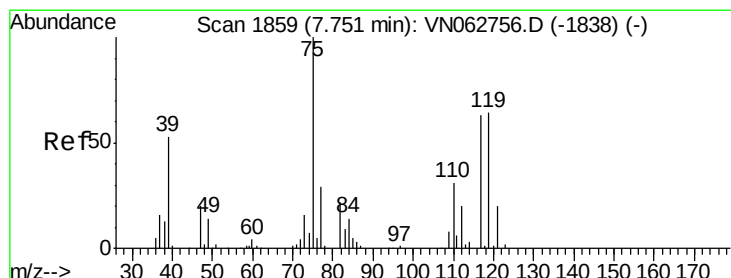
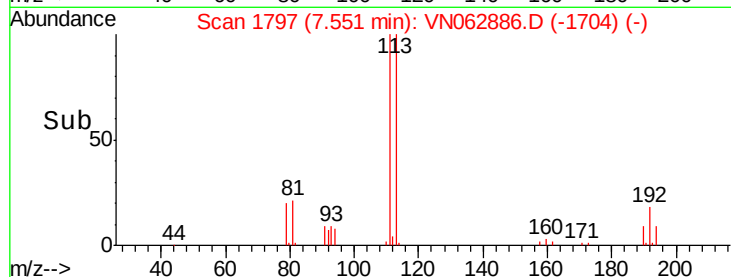
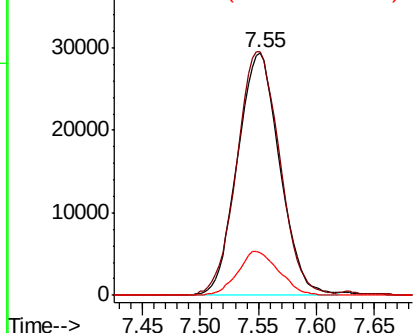
#35
 Dibromofluoromethane
 Concen: 52.152 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. -0.00 min
 Lab File: VN062886.D
 Acq: 13 Aug 2020 3:56

Instrument :
 MSVOA_N
 ClientSampleId :
 PB130908ZHE#16

Tot Ion:113 Resp: 74639
 Ion Ratio Lower Upper
 113 100
 111 102.0 81.8 122.6
 192 17.6 15.0 22.4

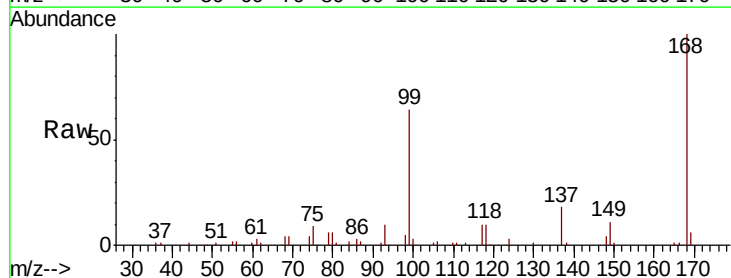


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

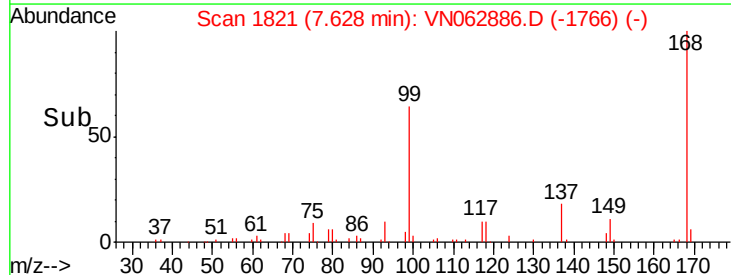
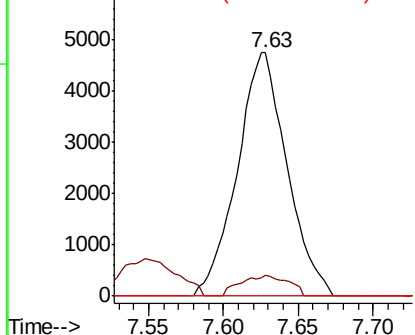


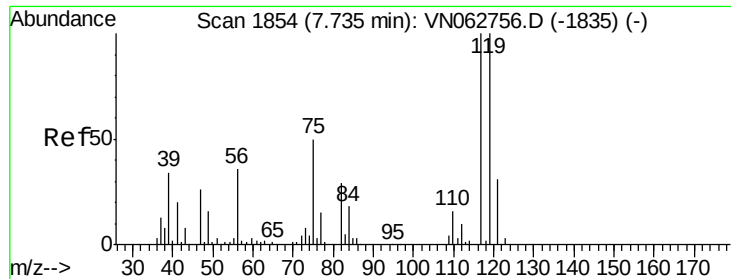
#36
 1,1-Dichloropropene
 Concen: 5.392 ug/l
 RT: 7.63 min Scan# 1821
 Delta R.T. -0.12 min
 Lab File: VN062886.D
 Acq: 13 Aug 2020 3:56

Tgt Ion: 75 Resp: 10985
 Ion Ratio Lower Upper
 75 100
 110 8.1 15.6 46.7#
 77 0.0 24.1 36.1#



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





#38

Carbon Tetrachloride

Concen: 5.424 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.11 min

Lab File: VN062886.D

Acq: 13 Aug 2020 3:56

Instrument :

MSVOA_N

ClientSampleId :

PB130908ZHE#16

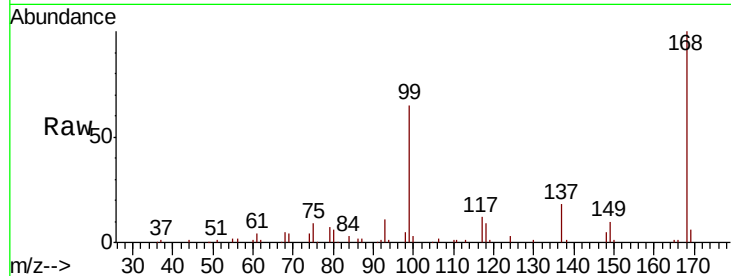
Tot Ion:117 Resp: 13069

Ion Ratio Lower Upper

117 100

119 4.8 79.4 119.2#

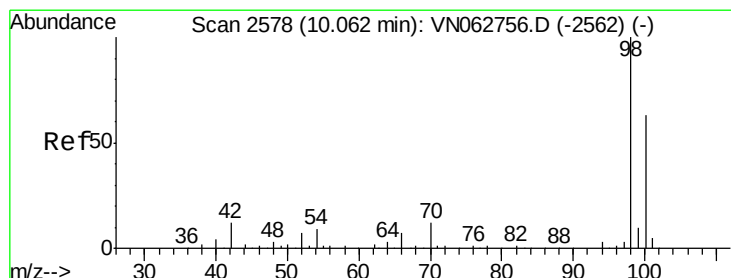
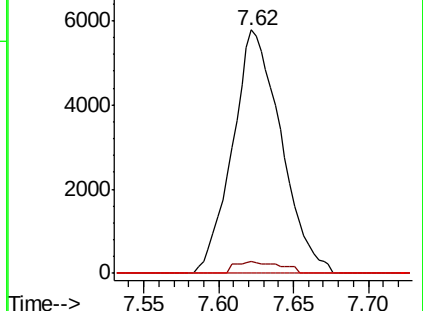
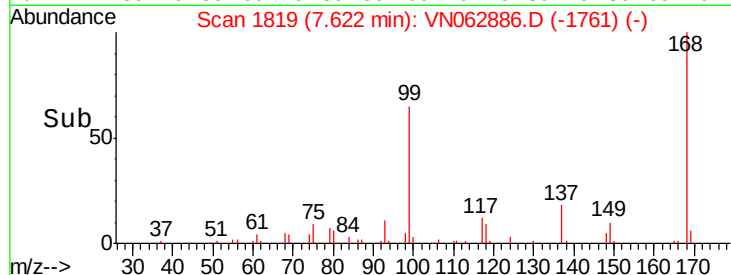
121 0.0 24.9 37.3#



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: 48.933 ug/l

RT: 10.06 min Scan# 2578

Delta R.T. -0.00 min

Lab File: VN062886.D

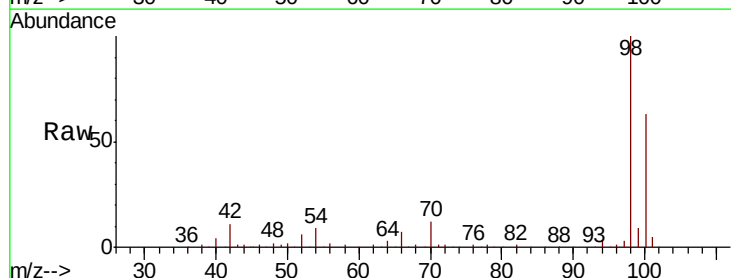
Acq: 13 Aug 2020 3:56

Tgt Ion: 98 Resp: 273408

Ion Ratio Lower Upper

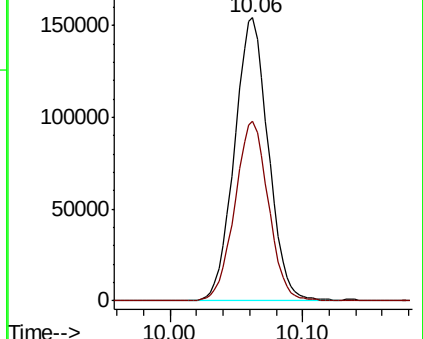
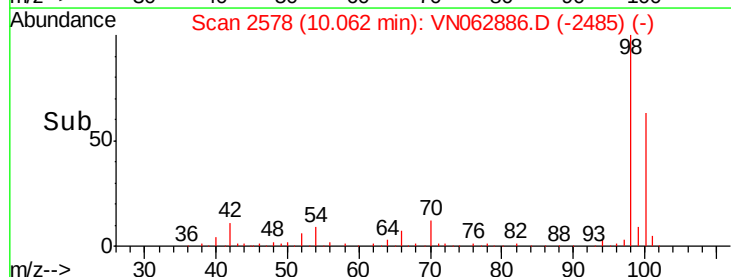
98 100

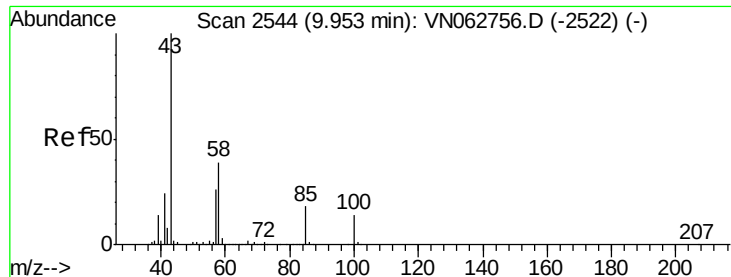
100 63.1 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN

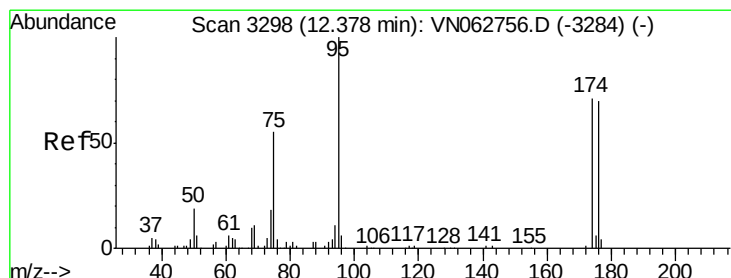
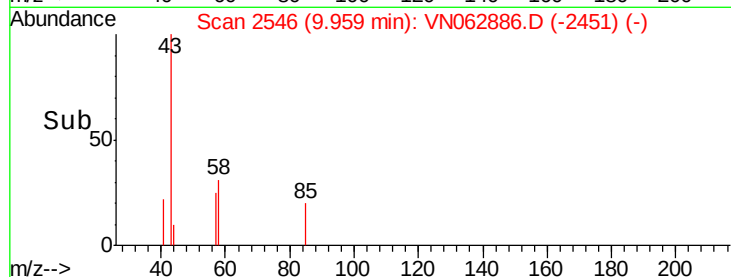
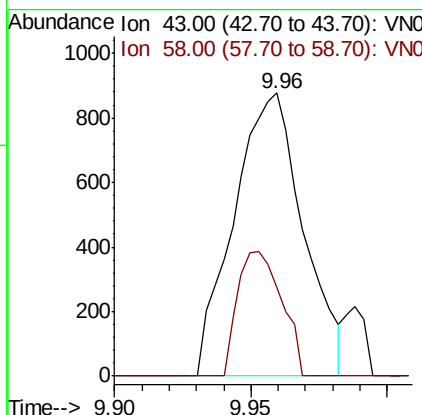
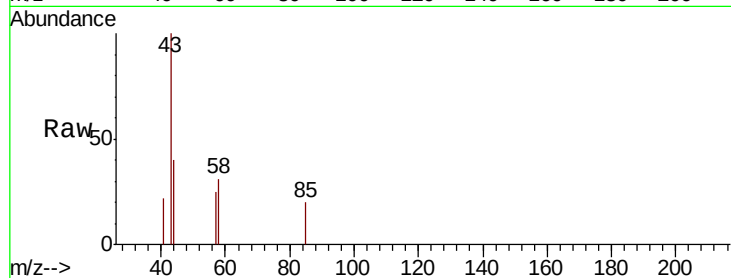




#51
 4-Methyl-2-Pentanone
 Concen: 0.672 ug/l
 RT: 9.96 min Scan# 2546
 Delta R.T. 0.01 min
 Lab File: VN062886.D
 Acq: 13 Aug 2020 3:56

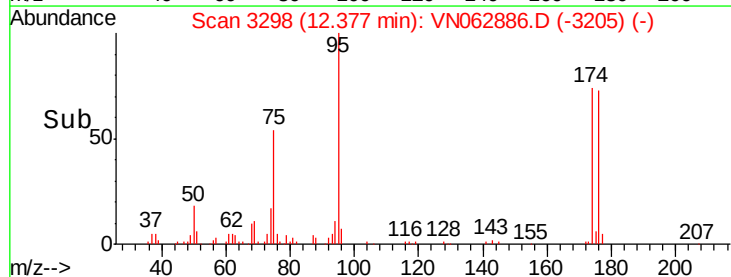
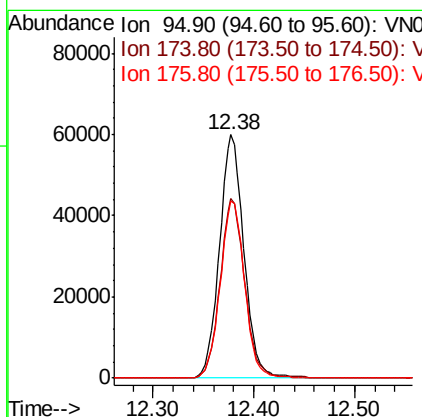
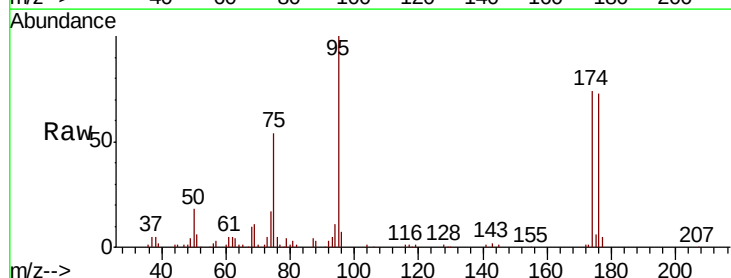
Instrument :
 MSVOA_N
 ClientSampleId :
 PB130908ZHE#16

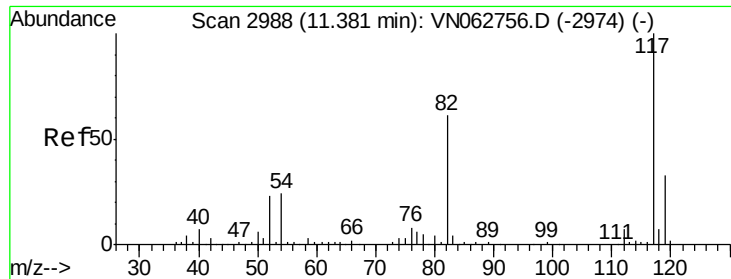
Tot Ion: 43 Resp: 1544
 Ion Ratio Lower Upper
 43 100
 58 28.1 31.1 46.7#



#62
 4-Bromofluorobenzene
 Concen: 48.058 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VN062886.D
 Acq: 13 Aug 2020 3:56

Tgt Ion: 95 Resp: 101473
 Ion Ratio Lower Upper
 95 100
 174 74.3 0.0 144.8
 176 72.4 0.0 142.2

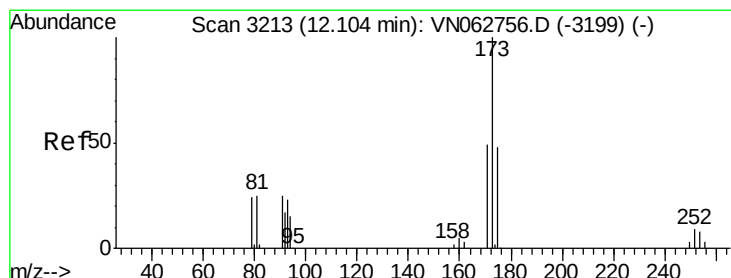
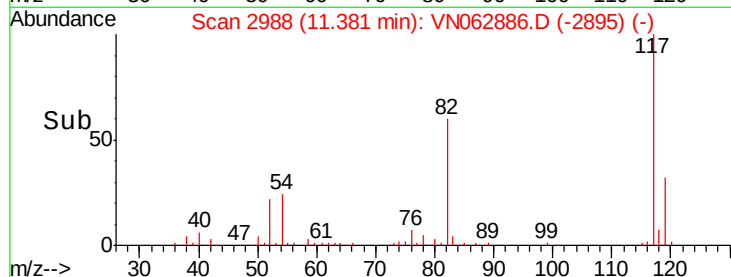
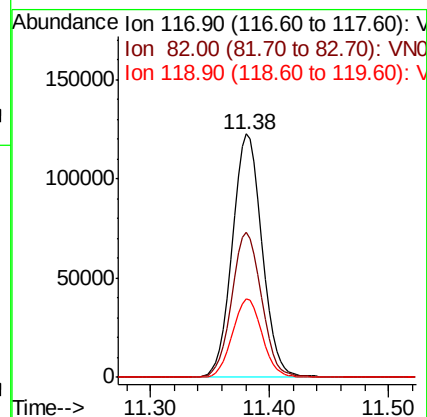
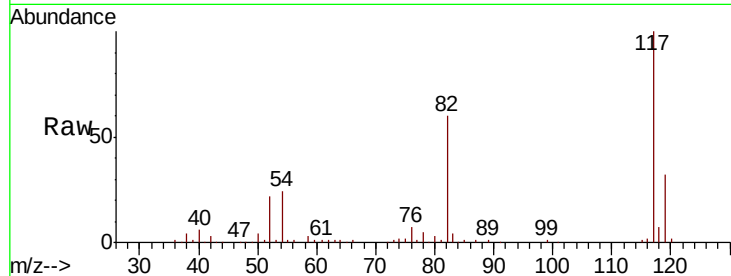




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062886.D
Acq: 13 Aug 2020 3:56

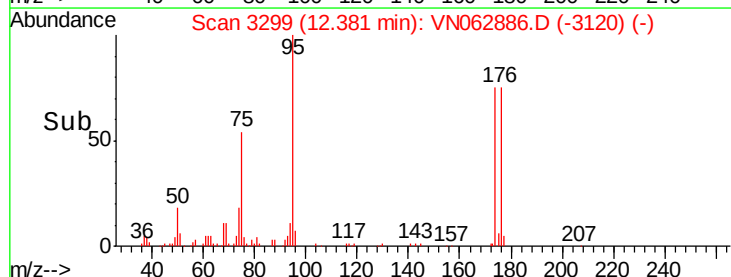
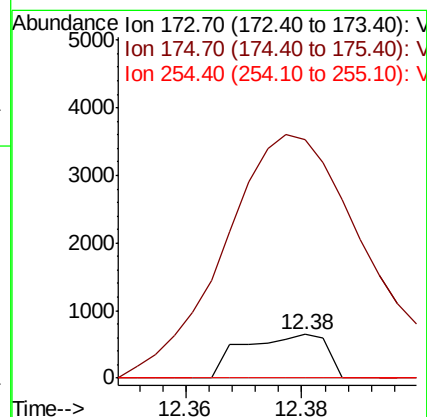
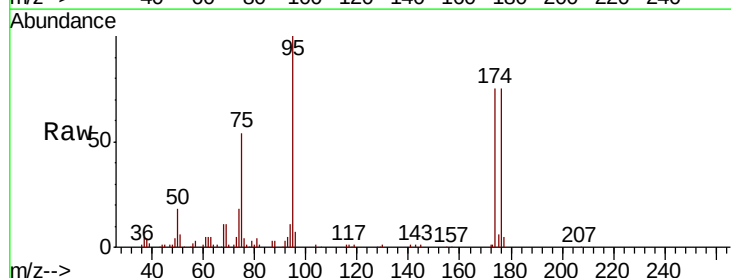
Instrument :
MSVOA_N
ClientSampleId :
PB130908ZHE#16

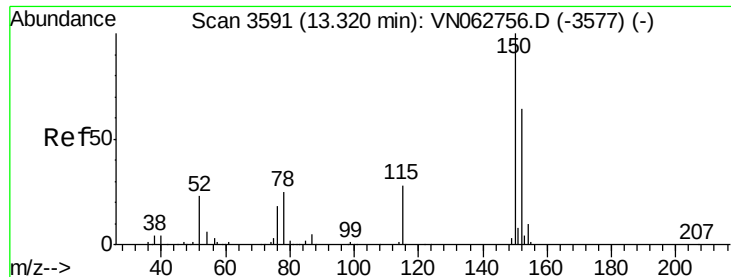
Tot Ion:117 Resp: 212880
Ion Ratio Lower Upper
117 100
82 59.6 49.0 73.4
119 32.1 26.2 39.2



#71
Bromoform
Concen: 0.439 ug/l
RT: 12.38 min Scan# 3299
Delta R.T. 0.28 min
Lab File: VN062886.D
Acq: 13 Aug 2020 3:56

Tgt Ion:173 Resp: 642
Ion Ratio Lower Upper
173 100
175 812.9 24.0 72.0#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. -0.00 min

Lab File: VN062886.D

Acq: 13 Aug 2020 3:56

Instrument :

MSVOA_N

ClientSampleId :

PB130908ZHE#16

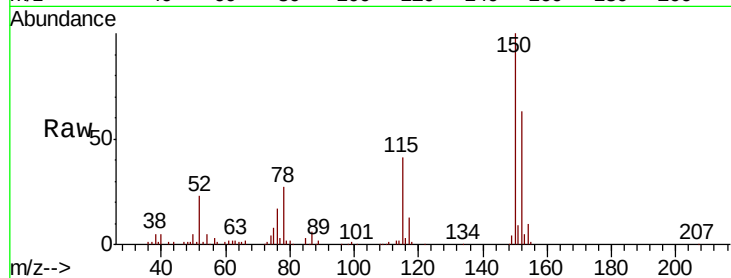
Tot Ion:152 Resp: 79782

Ion Ratio Lower Upper

152 100

115 64.9 31.6 94.8

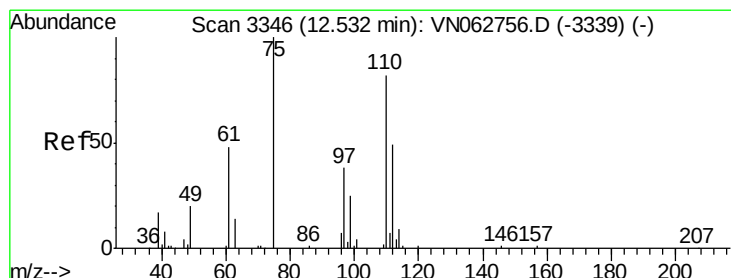
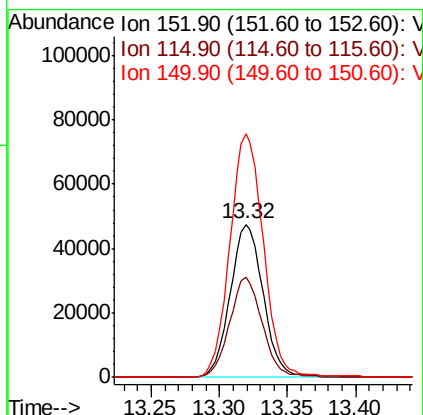
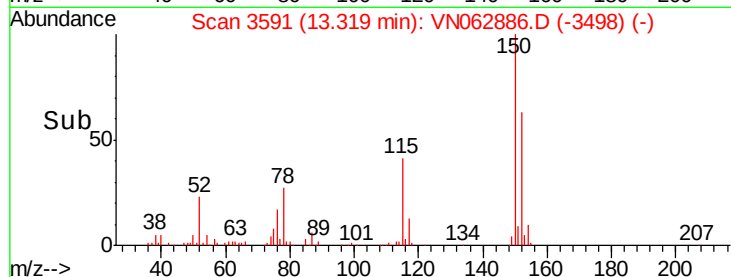
150 162.2 0.0 349.2



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: 25.662 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062886.D

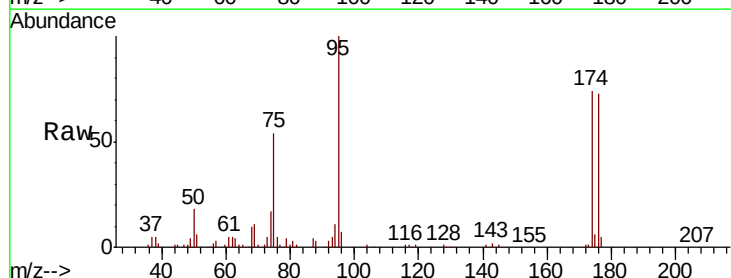
Acq: 13 Aug 2020 3:56

Tgt Ion: 75 Resp: 55216

Ion Ratio Lower Upper

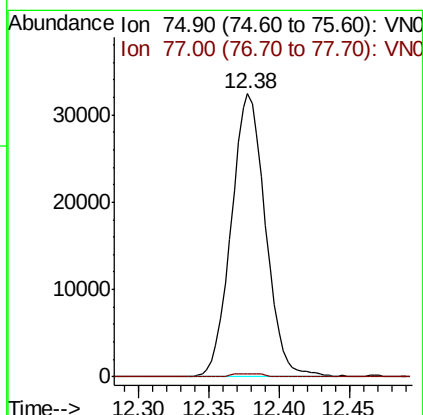
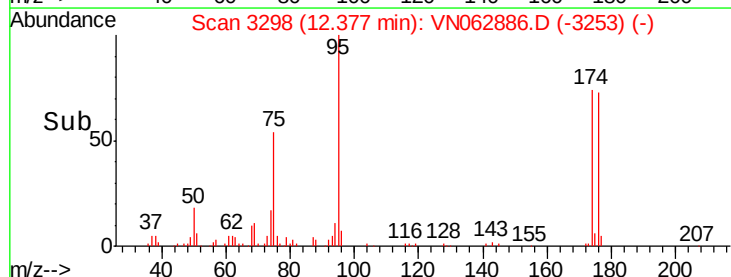
75 100

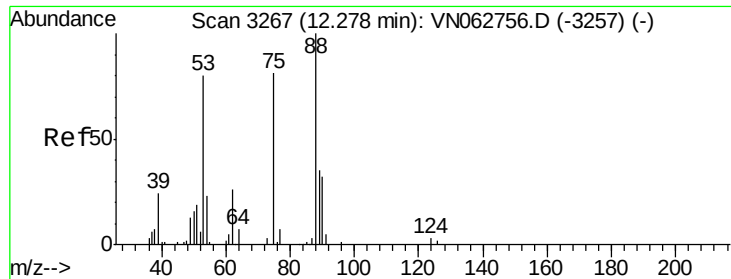
77 1.0 0.0 0.0#



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: 78.340 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062886.D

Acq: 13 Aug 2020 3:56

Instrument :

MSVOA_N

ClientSampleId :

PB130908ZHE#16

Tot Ion: 75 Resp: 55216

Ion Ratio Lower Upper

75 100

53 0.0 79.1 118.7#

89 0.0 36.2 54.2#

