

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081120\
 Data File : VN062829.D
 Acq On : 11 Aug 2020 14:41
 Operator : JC/MD
 Sample : L3624-11
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SS-TP-3

Quant Time: Aug 11 15:06:15 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

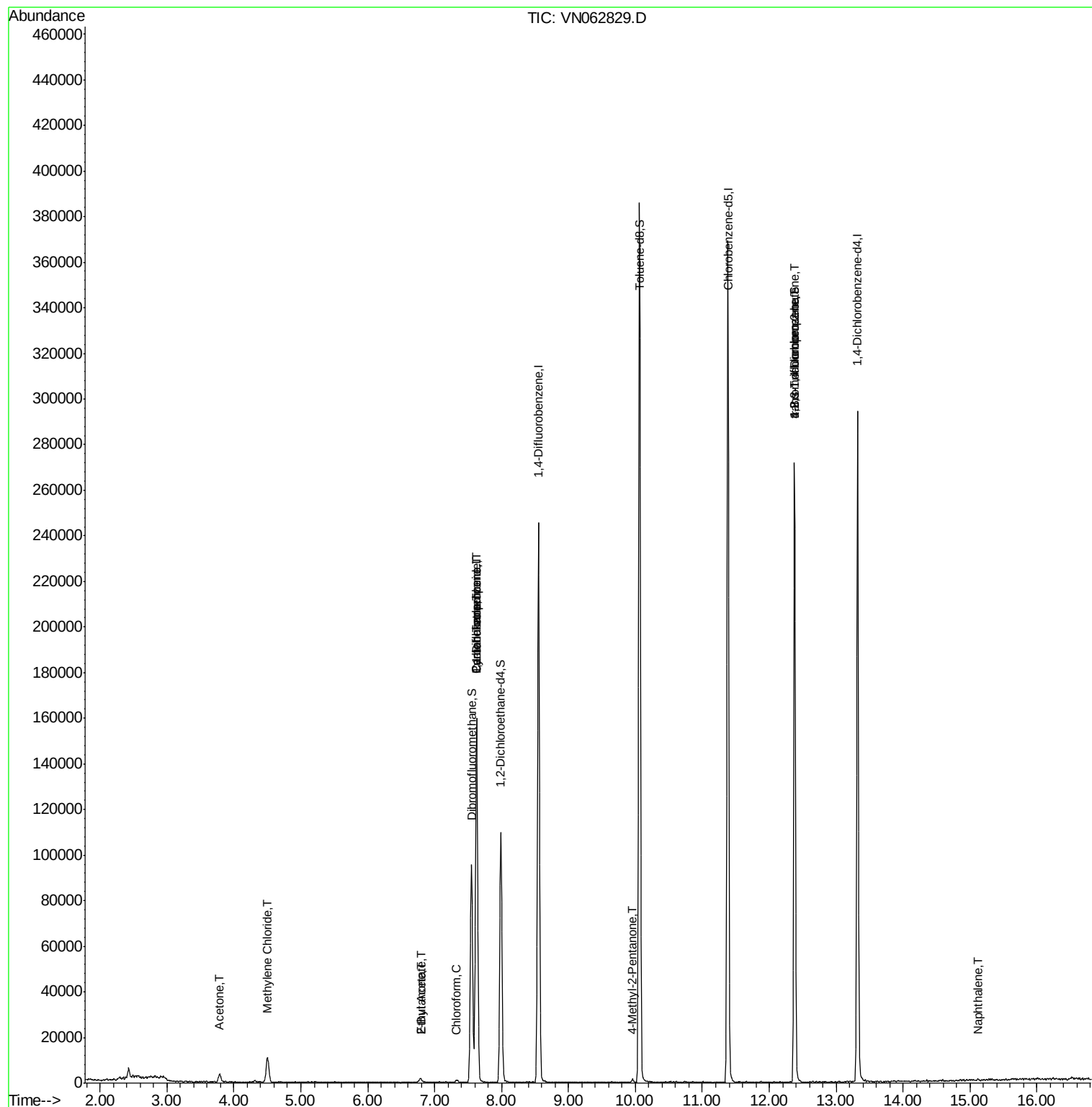
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	122245	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	209329	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	206900	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	76848	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	101491	50.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.40%	
35) Dibromofluoromethane	7.55	113	72303	50.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.98%	
50) Toluene-d8	10.06	98	269844	48.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.54%	
62) 4-Bromofluorobenzene	12.38	95	98444	46.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.20%	
Target Compounds						
					Qvalue	
16) Acetone	3.78	43	6723	9.204	ug/l	92
17) Carbon Disulfide	4.01	76	174	Below Cal	#	74
18) Methyl Acetate	4.27	43	267	Below Cal	#	52
20) Methylene Chloride	4.49	84	8801	5.913	ug/l	96
25) 2-Butanone	6.81	43	1146	1.108	ug/l #	49
30) Chloroform	7.33	83	1039	0.366	ug/l	100
31) Cyclohexane	7.62	56	2590	1.057	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	10015	4.913	ug/l #	51
37) Ethyl Acetate	6.81	43	1146	0.538	ug/l #	67
38) Carbon Tetrachloride	7.63	117	13136	5.449	ug/l #	16
51) 4-Methyl-2-Pentanone	9.96	43	1419	0.618	ug/l #	86
76) 1,2,3-Trichloropropane	12.38	75	51929	25.056	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	51929	76.489	ug/l #	10
95) Naphthalene	15.10	128	844	3.929	ug/l #	68

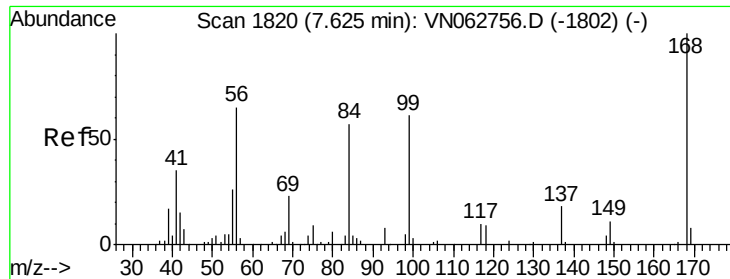
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VN062829.D

Acq: 11 Aug 2020 14:41

Instrument :

MSVOA_N

ClientSampleId :

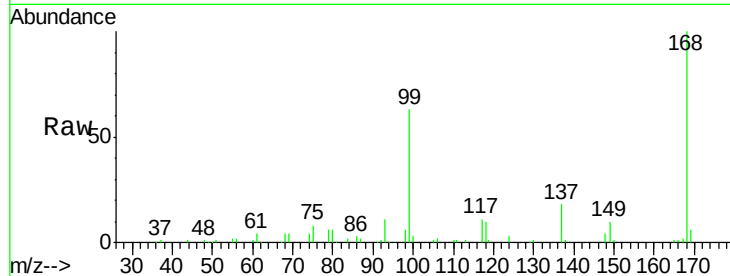
SS-TP-3

Tgt Ion:168 Resp: 122245

Ion Ratio Lower Upper

168 100

99 63.2 52.9 79.3



Abundance Ion 167.90 (167.60 to 168.60): VN062756.D (-1802) (-)

Ion 98.90 (98.60 to 99.60): VN062756.D (-1802) (-)

7.63

60000

50000

40000

30000

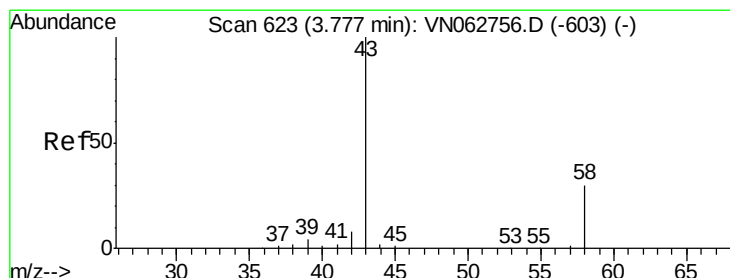
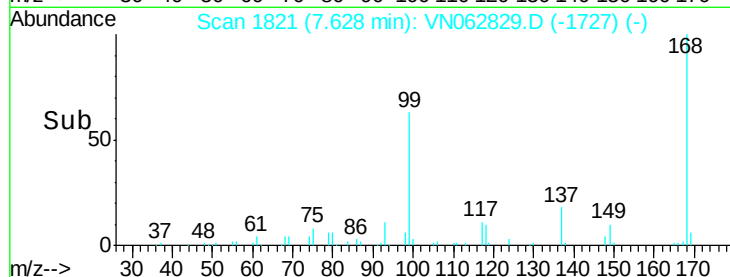
20000

10000

0

Time-->

7.55 7.60 7.65 7.70 7.75



#16

Acetone

Concen: 9.204 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.00 min

Lab File: VN062829.D

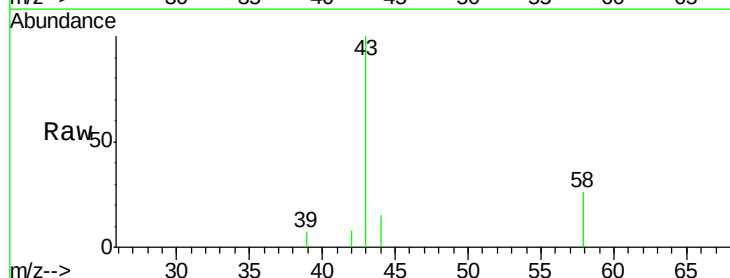
Acq: 11 Aug 2020 14:41

Tgt Ion: 43 Resp: 6723

Ion Ratio Lower Upper

43 100

58 25.6 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) (-)

3.78

3000

2500

2000

1500

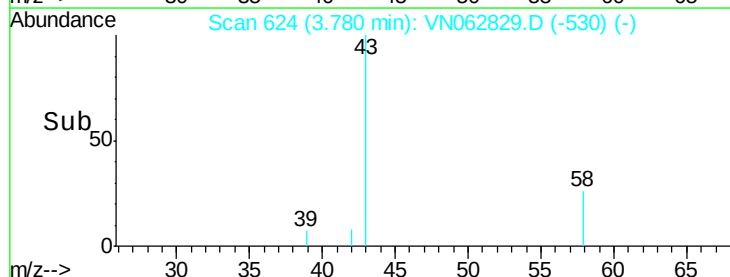
1000

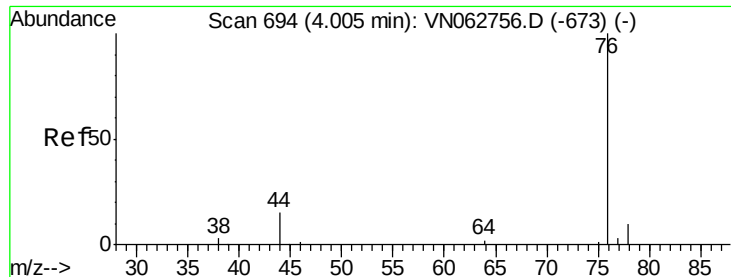
500

0

Time-->

3.70 3.75 3.80 3.85





#17

Carbon Disulfide

Concen: Below Cal

RT: 4.01 min Scan# 697

Delta R.T. 0.01 min

Lab File: VN062829.D

Acq: 11 Aug 2020 14:41

Instrument :

MSVOA_N

ClientSampleId :

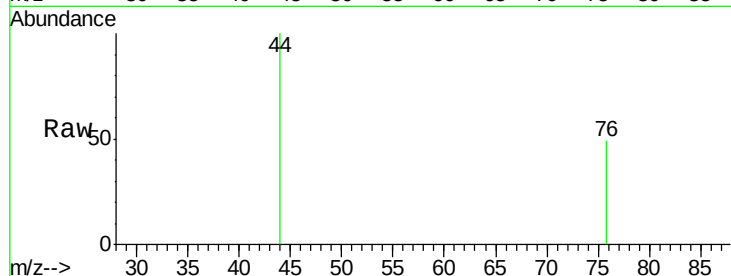
SS-TP-3

Tgt Ion: 76 Resp: 174

Ion Ratio Lower Upper

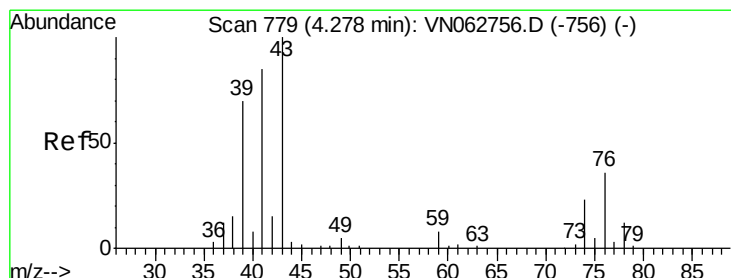
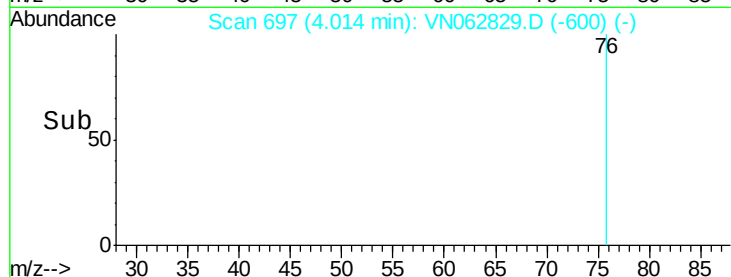
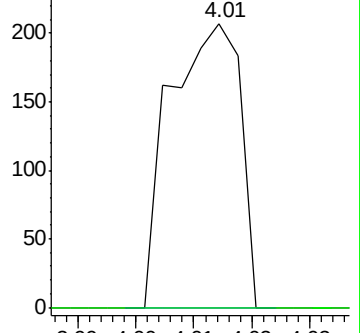
76 100

78 0.0 7.7 11.5#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: Below Cal

RT: 4.27 min Scan# 778

Delta R.T. -0.00 min

Lab File: VN062829.D

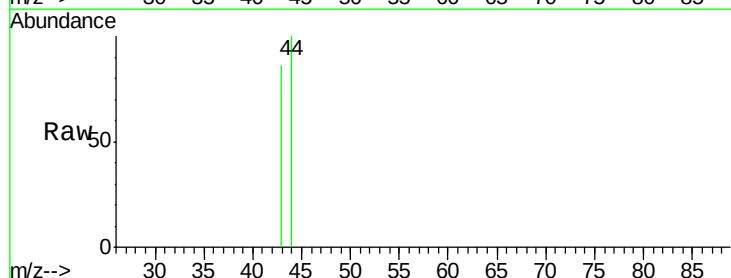
Acq: 11 Aug 2020 14:41

Tgt Ion: 43 Resp: 267

Ion Ratio Lower Upper

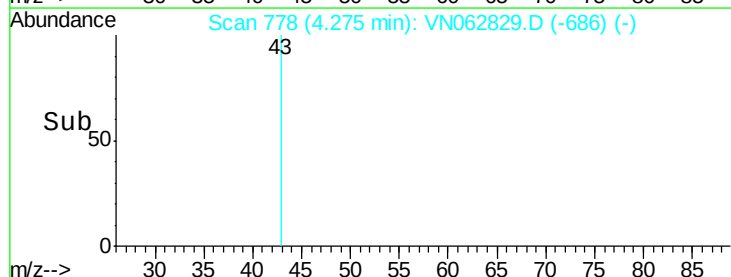
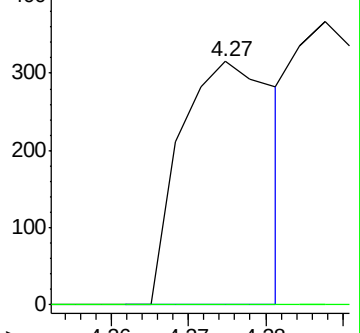
43 100

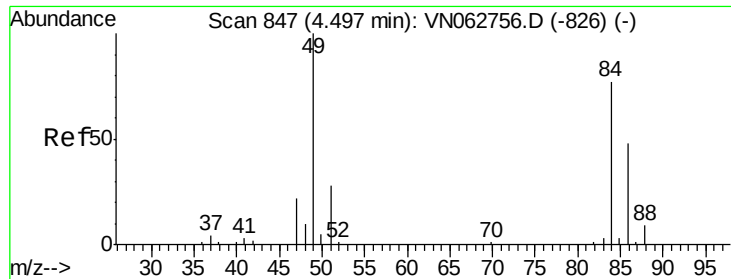
74 0.0 18.6 28.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

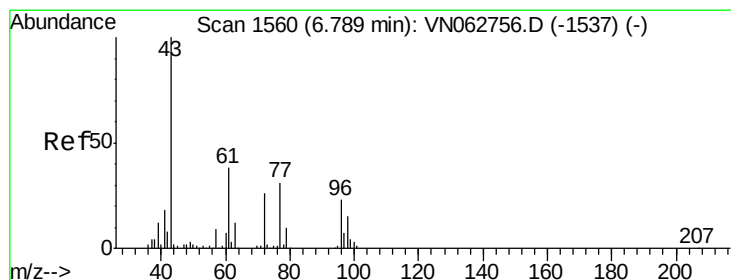
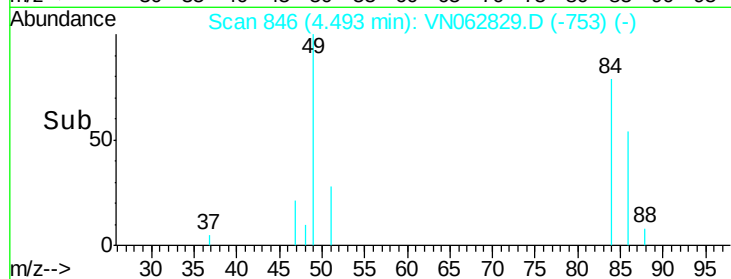
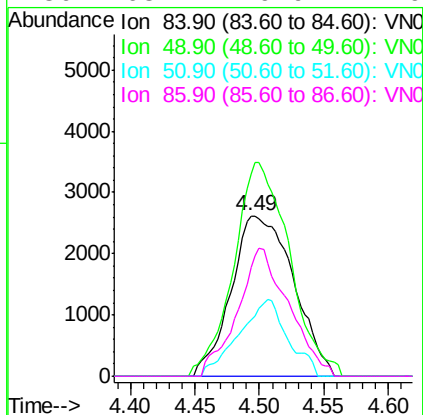
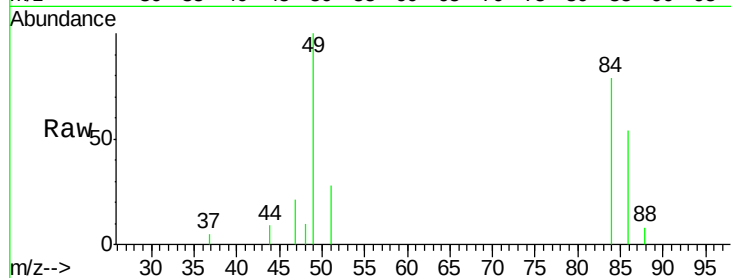




#20
Methylene Chloride
Concen: 5.913 ug/l
RT: 4.49 min Scan# 846
Delta R.T. -0.00 min
Lab File: VN062829.D
Acq: 11 Aug 2020 14:41

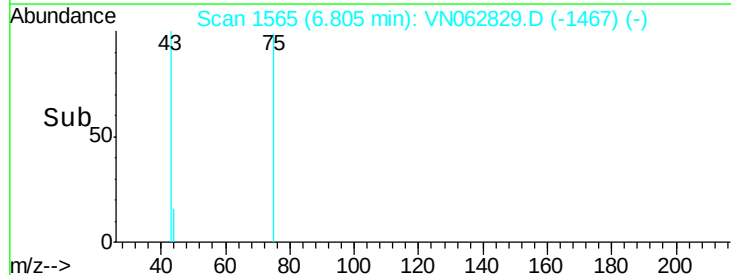
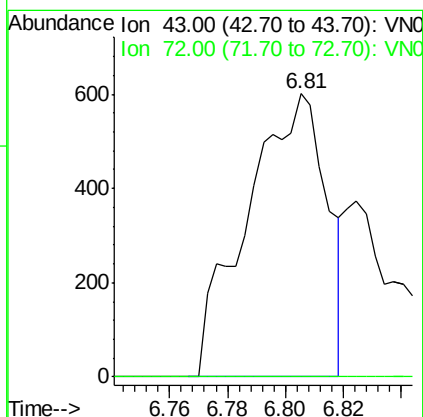
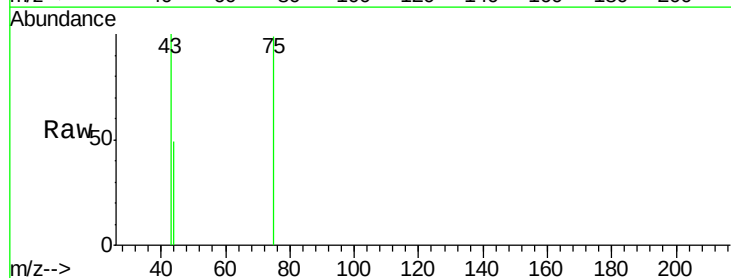
Instrument :
MSVOA_N
ClientSampled :
SS-TP-3

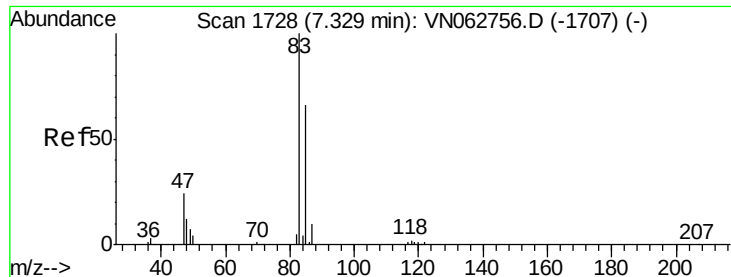
Tgt Ion:	84	Resp:	8801
Ion	Ratio	Lower	Upper
84	100		
49	125.9	103.4	155.2
51	35.2	29.3	43.9
86	68.1	49.9	74.9



#25
2-Butanone
Concen: 1.108 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. 0.02 min
Lab File: VN062829.D
Acq: 11 Aug 2020 14:41

Tgt Ion:	43	Resp:	1146
Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.1	31.7#

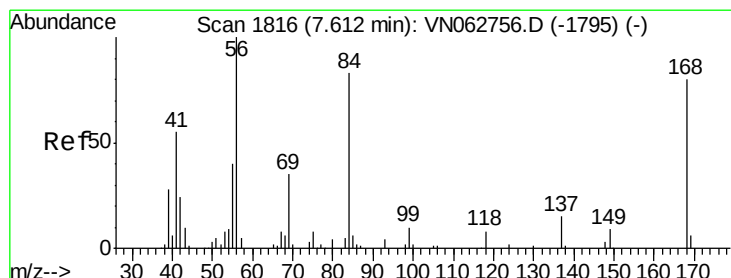
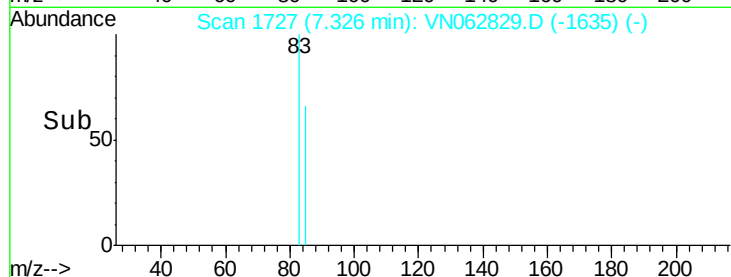
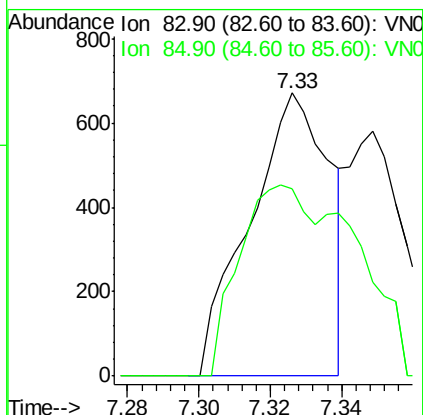
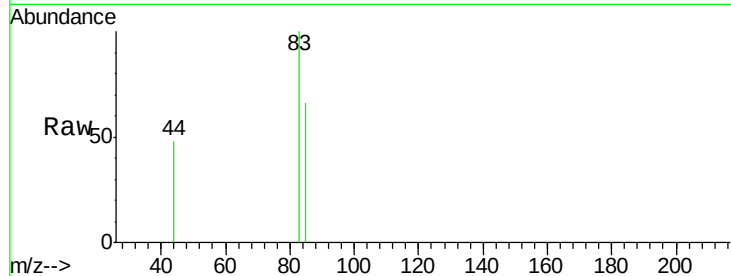




#30
Chloroform
Concen: 0.366 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN062829.D
Acq: 11 Aug 2020 14:41

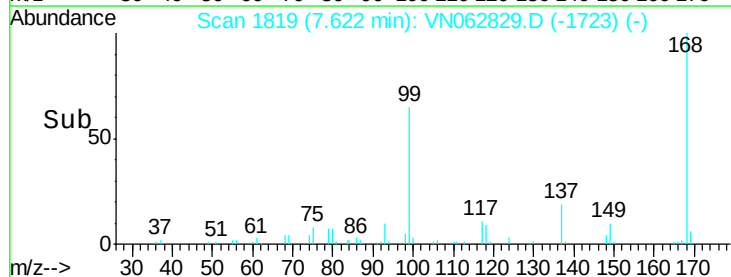
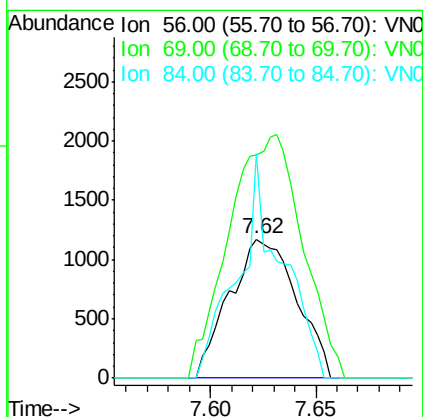
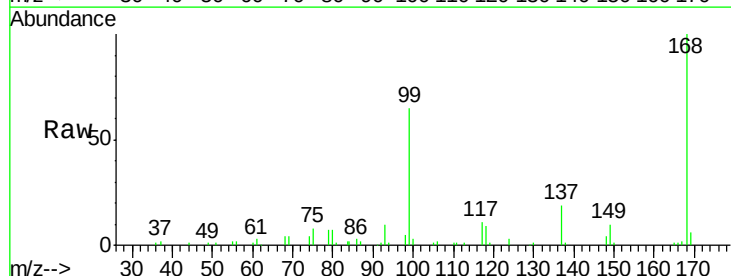
Instrument :
MSVOA_N
ClientSampleId :
SS-TP-3

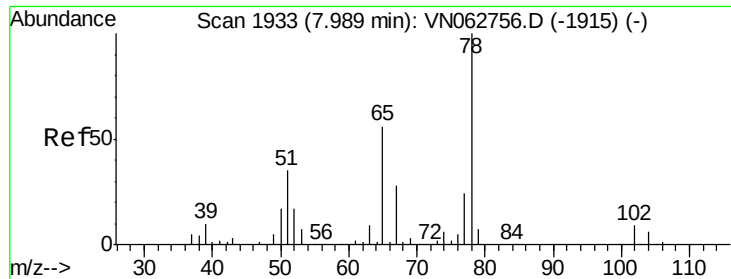
Tgt Ion: 83 Resp: 1039
Ion Ratio Lower Upper
83 100
85 66.0 52.7 79.1



#31
Cyclohexane
Concen: 1.057 ug/l
RT: 7.62 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VN062829.D
Acq: 11 Aug 2020 14:41

Tgt Ion: 56 Resp: 2590
Ion Ratio Lower Upper
56 100
69 160.1 28.1 42.1#
84 161.2 66.8 100.2#

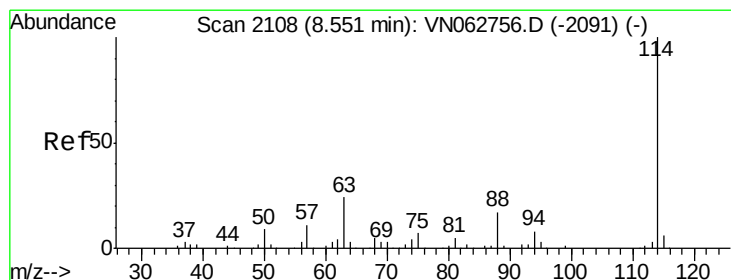
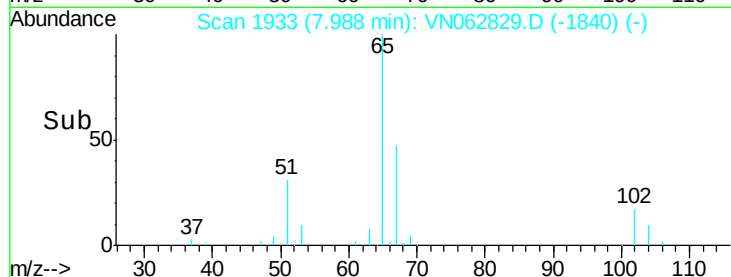
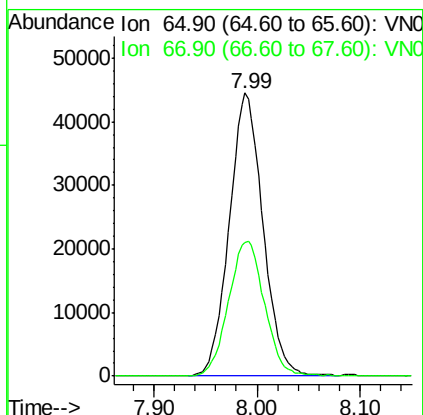
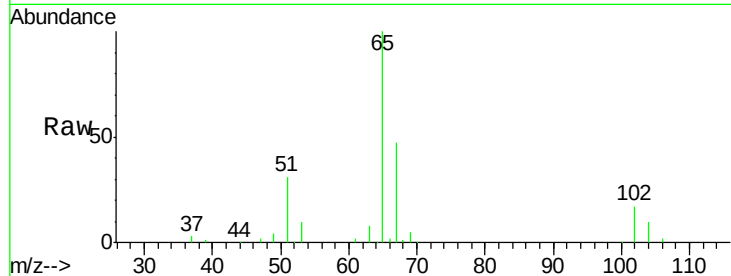




#33
 1,2-Dichloroethane-d4
 Concen: 50.205 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. -0.00 min
 Lab File: VN062829.D
 Acq: 11 Aug 2020 14:41

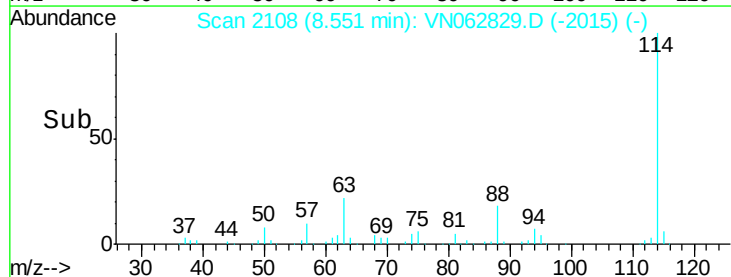
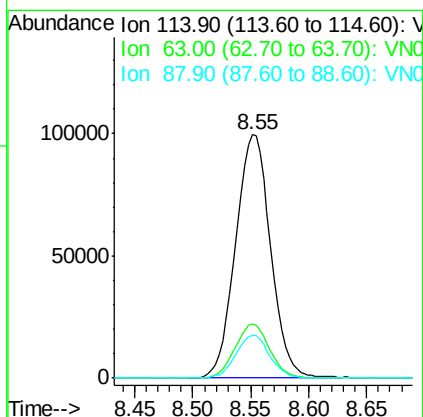
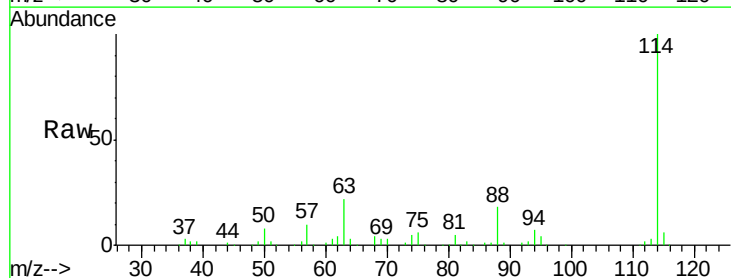
Instrument :
 MSVOA_N
 ClientSampleId :
 SS-TP-3

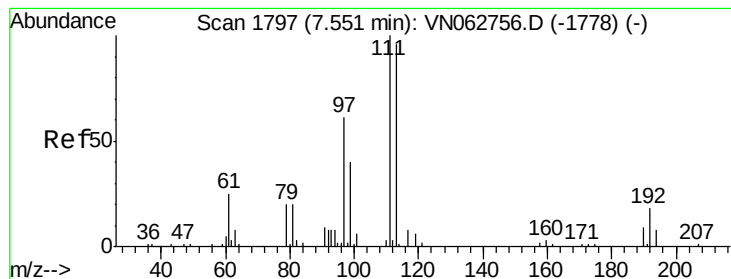
Tgt Ion: 65 Resp: 101491
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062829.D
 Acq: 11 Aug 2020 14:41

Tgt Ion: 114 Resp: 209329
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 47.6
 88 17.6 0.0 34.4





#35

Dibromofluoromethane

Concen: 50.493 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. -0.00 min

Lab File: VN062829.D

Acq: 11 Aug 2020 14:41

Instrument :

MSVOA_N

ClientSampleId :

SS-TP-3

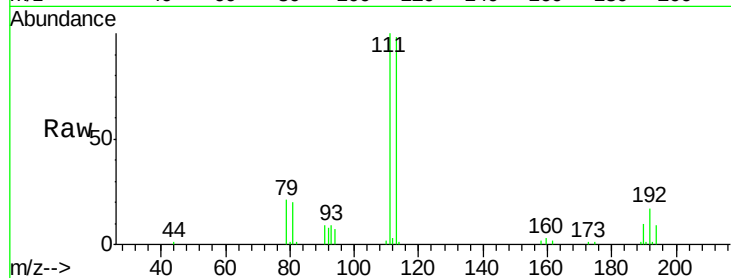
Tgt Ion:113 Resp: 72303

Ion Ratio Lower Upper

113 100

111 101.6 81.8 122.6

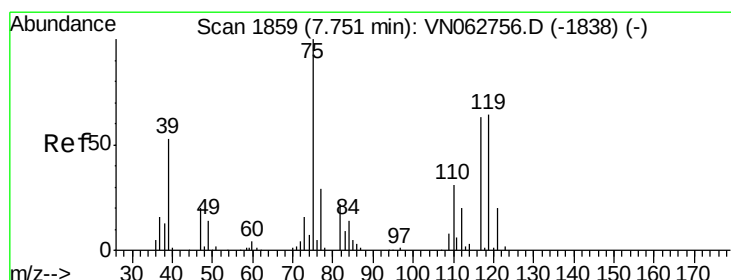
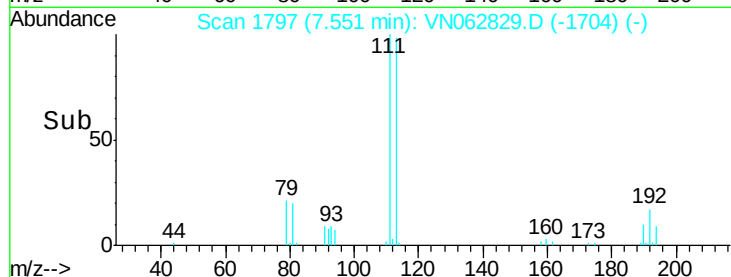
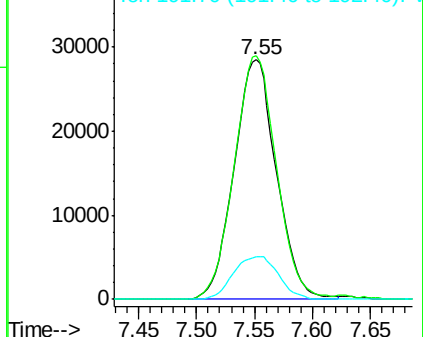
192 18.9 15.0 22.4



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: 4.913 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.12 min

Lab File: VN062829.D

Acq: 11 Aug 2020 14:41

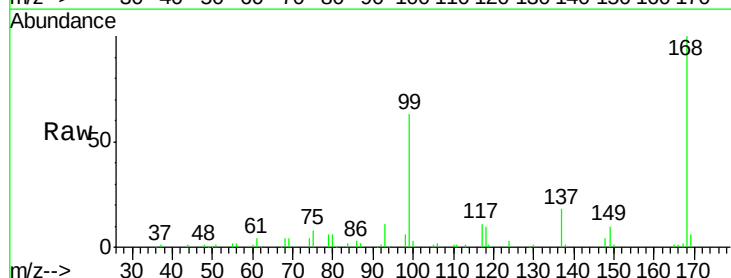
Tgt Ion: 75 Resp: 10015

Ion Ratio Lower Upper

75 100

110 7.8 15.6 46.7#

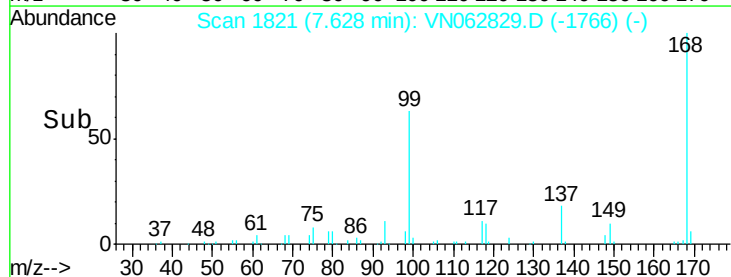
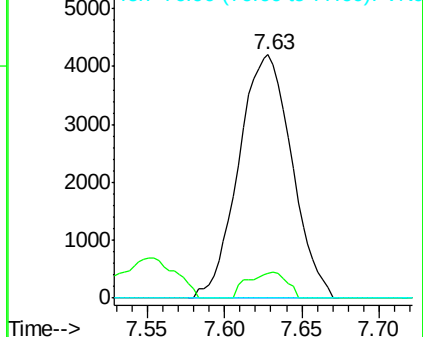
77 0.0 24.1 36.1#

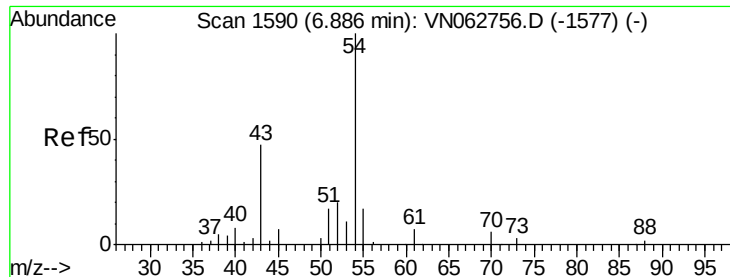


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

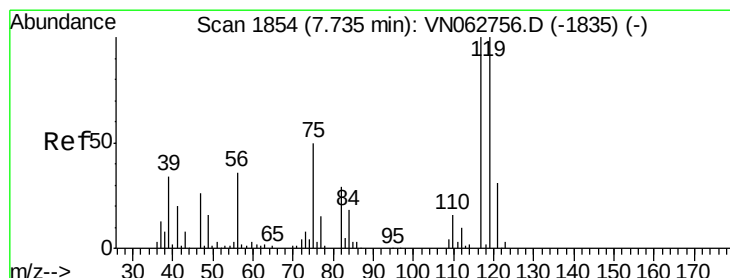
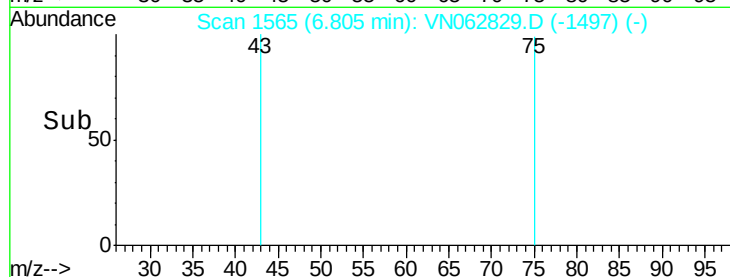
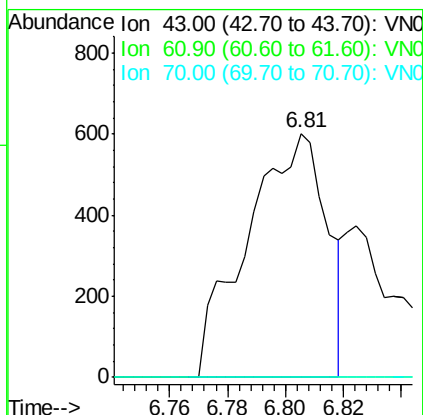
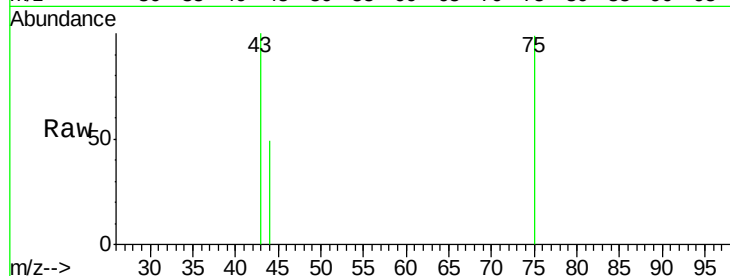




#37
 Ethyl Acetate
 Concen: 0.538 ug/l
 RT: 6.81 min Scan# 1565
 Delta R.T. -0.08 min
 Lab File: VN062829.D
 Acq: 11 Aug 2020 14:41

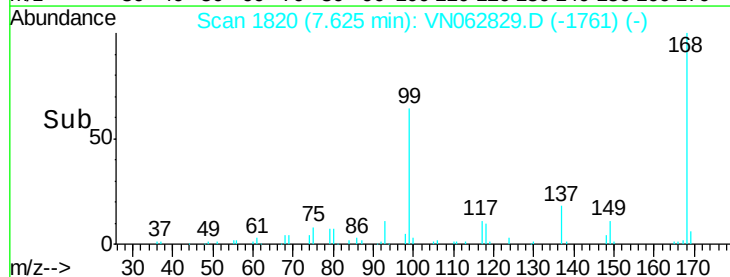
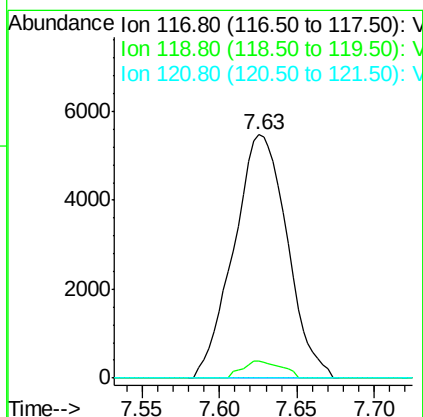
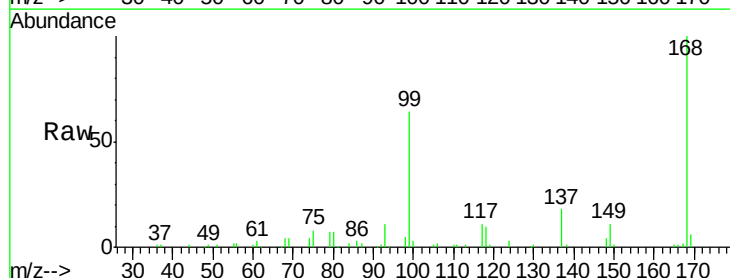
Instrument :
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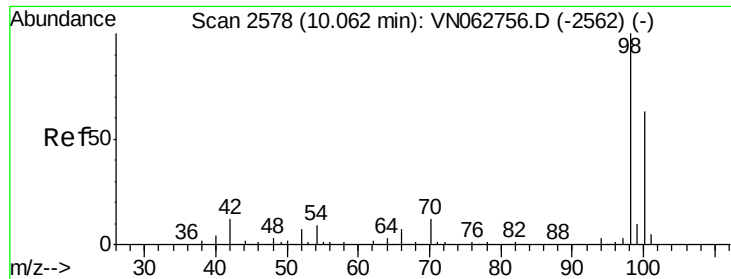
Tgt Ion: 43 Resp: 1146
 Ion Ratio Lower Upper
 43 100
 61 0.0 12.1 18.1#
 70 0.0 8.3 12.5#



#38
 Carbon Tetrachloride
 Concen: 5.449 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.11 min
 Lab File: VN062829.D
 Acq: 11 Aug 2020 14:41

Tgt Ion: 117 Resp: 13136
 Ion Ratio Lower Upper
 117 100
 119 7.1 79.4 119.2#
 121 0.0 24.9 37.3#





#50

Toluene-d8

Concen: 48.270 ug/l

RT: 10.06 min Scan# 2578

Delta R.T. -0.00 min

Lab File: VN062829.D

Acq: 11 Aug 2020 14:41

Instrument :

MSVOA_N

ClientSampled :

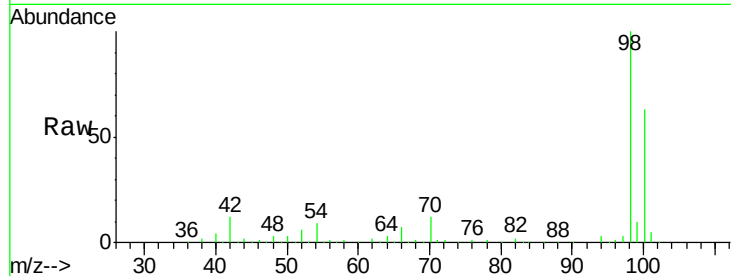
SS-TP-3

Tgt Ion: 98 Resp: 269844

Ion Ratio Lower Upper

98 100

100 62.4 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) (-)

10.06

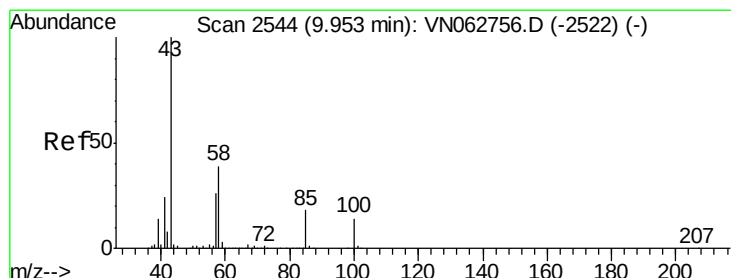
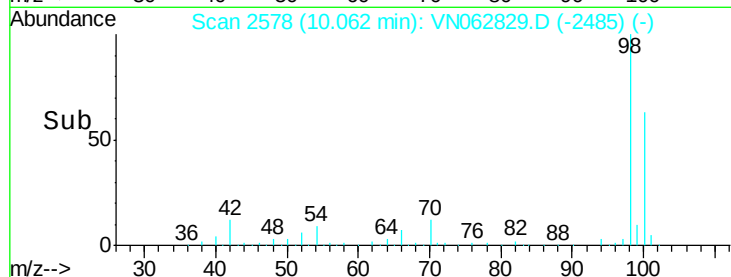
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.618 ug/l

RT: 9.96 min Scan# 2545

Delta R.T. 0.00 min

Lab File: VN062829.D

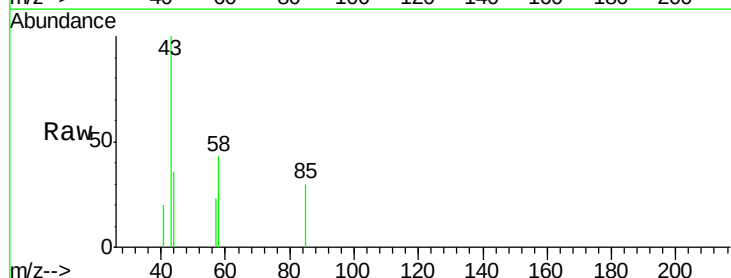
Acq: 11 Aug 2020 14:41

Tgt Ion: 43 Resp: 1419

Ion Ratio Lower Upper

43 100

58 30.6 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) (-)

9.96

800

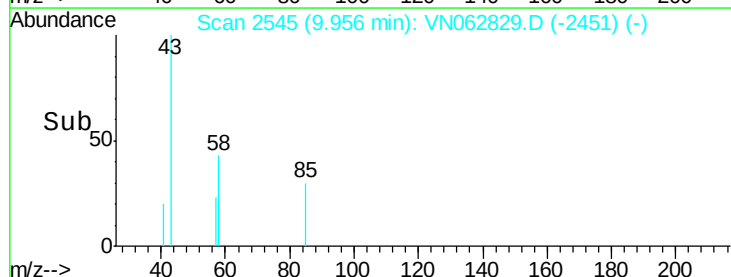
600

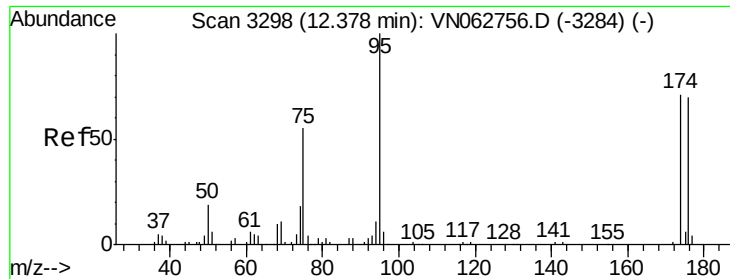
400

200

0

Time-->

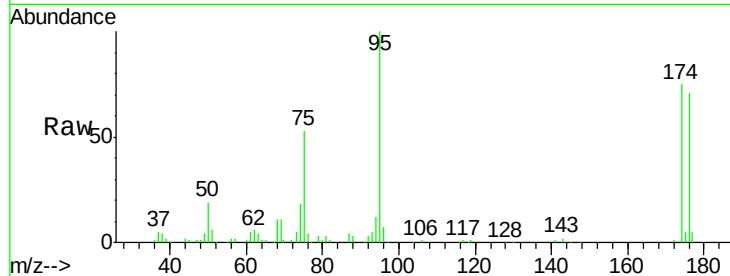




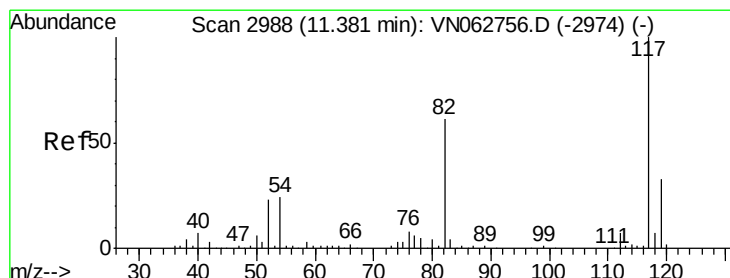
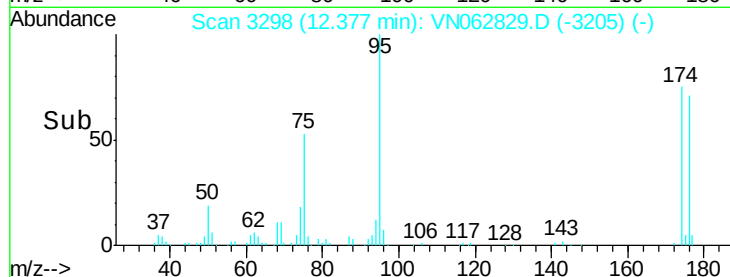
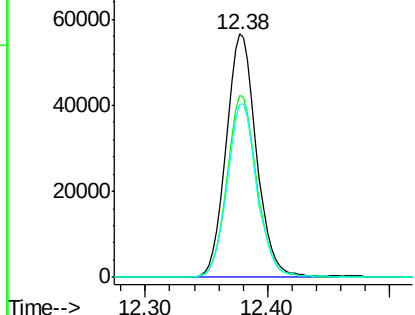
#62
4-Bromofluorobenzene
Concen: 46.599 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN062829.D
Acq: 11 Aug 2020 14:41

Instrument :
MSVOA_N
ClientSampleId :
SS-TP-3

Tgt Ion: 95 Resp: 98444
Ion Ratio Lower Upper
95 100
174 74.0 0.0 144.8
176 70.2 0.0 142.2

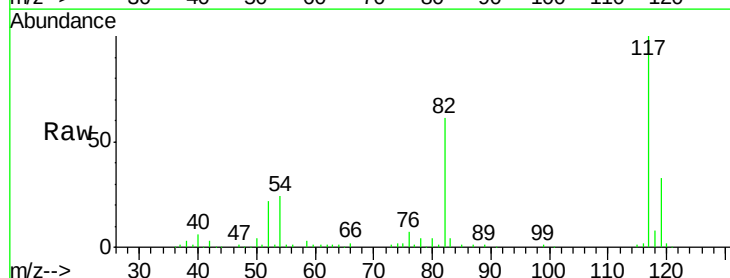


Abundance Ion 94.90 (94.60 to 95.60): VN062829.D (-3205) (-)
Ion 173.80 (173.50 to 174.50): VN062829.D (-3205) (-)
Ion 175.80 (175.50 to 176.50): VN062829.D (-3205) (-)

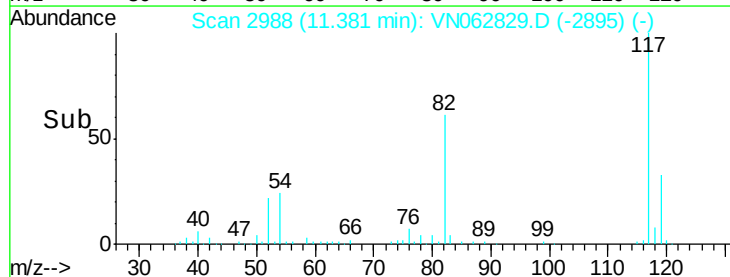
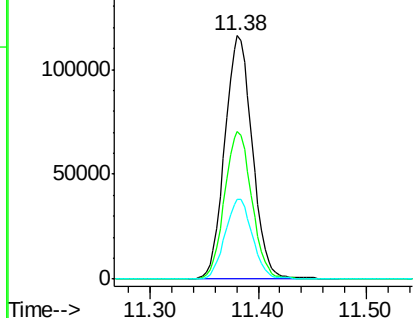


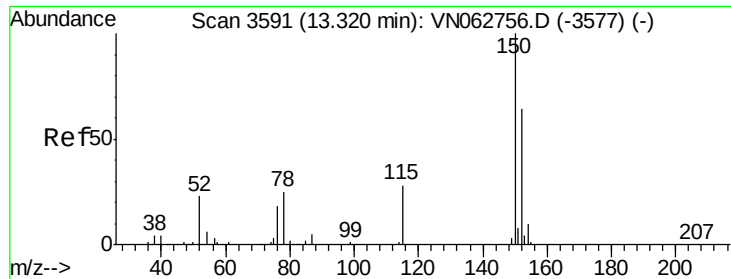
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062829.D
Acq: 11 Aug 2020 14:41

Tgt Ion: 117 Resp: 206900
Ion Ratio Lower Upper
117 100
82 60.8 49.0 73.4
119 32.9 26.2 39.2



Abundance Ion 116.90 (116.60 to 117.60): VN062829.D (-2895) (-)
Ion 82.00 (81.70 to 82.70): VN062829.D (-2895) (-)
Ion 118.90 (118.60 to 119.60): VN062829.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: VN062829.D

Acq: 11 Aug 2020 14:41

Instrument :

MSVOA_N

ClientSampleId :

SS-TP-3

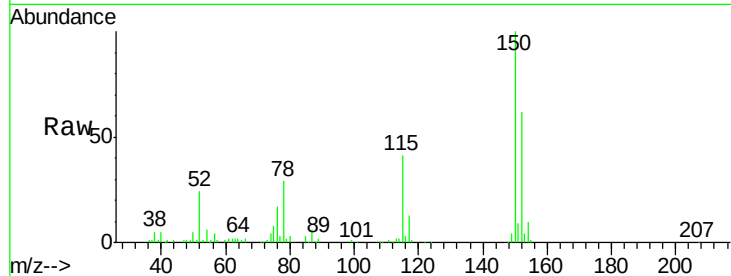
Tgt Ion:152 Resp: 76848

Ion Ratio Lower Upper

152 100

115 65.0 31.6 94.8

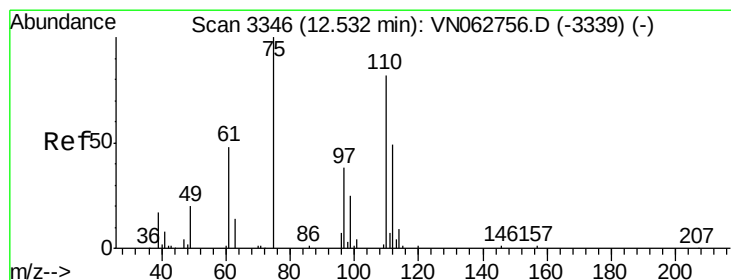
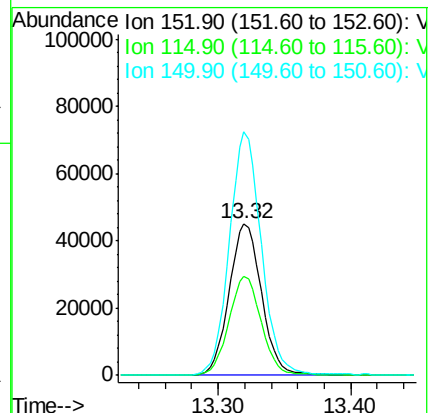
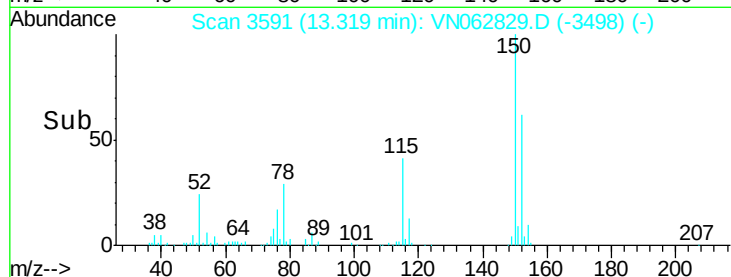
150 157.8 0.0 349.2



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: 25.056 ug/l

RT: 12.38 min Scan# 3299

Delta R.T. -0.15 min

Lab File: VN062829.D

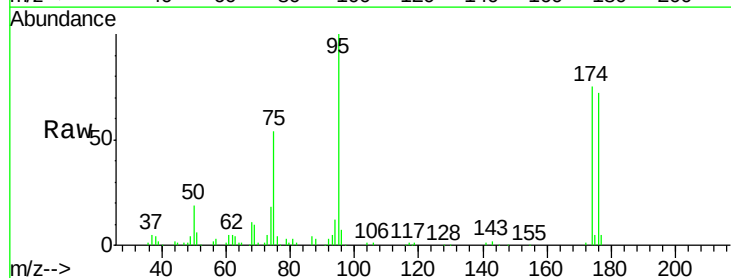
Acq: 11 Aug 2020 14:41

Tgt Ion: 75 Resp: 51929

Ion Ratio Lower Upper

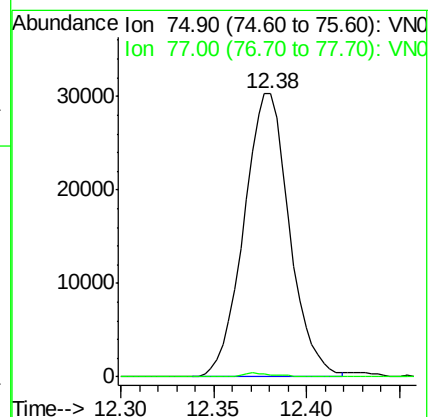
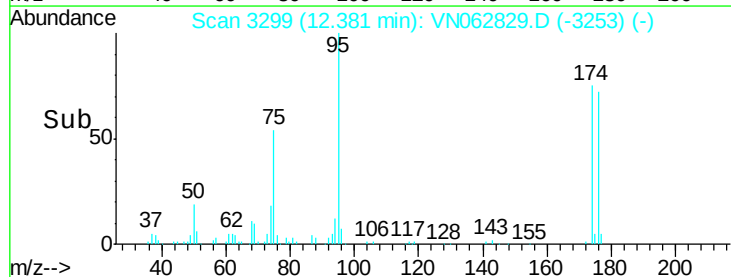
75 100

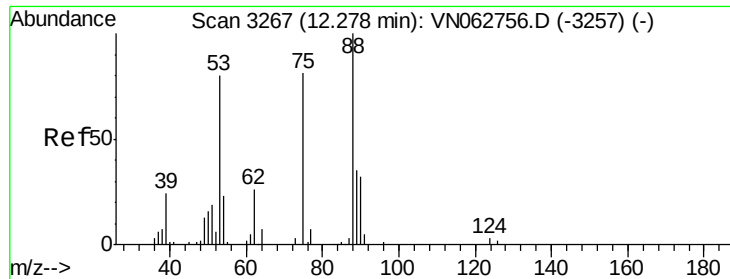
77 0.9 0.0 0.0#



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: 76.489 ug/l

RT: 12.38 min Scan# 3299

Delta R.T. 0.10 min

Lab File: VN062829.D

Acq: 11 Aug 2020 14:41

Instrument :

MSVOA_N

ClientSampled :

SS-TP-3

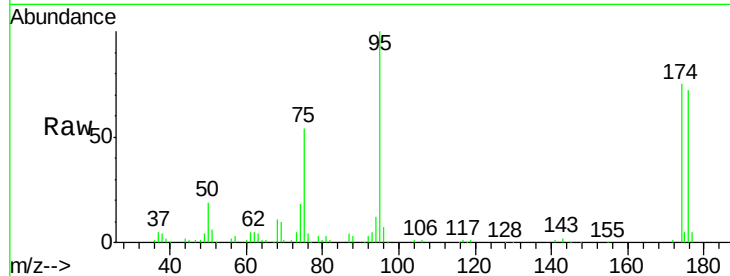
Tgt Ion: 75 Resp: 51929

Ion Ratio Lower Upper

75 100

53 0.0 79.1 118.7#

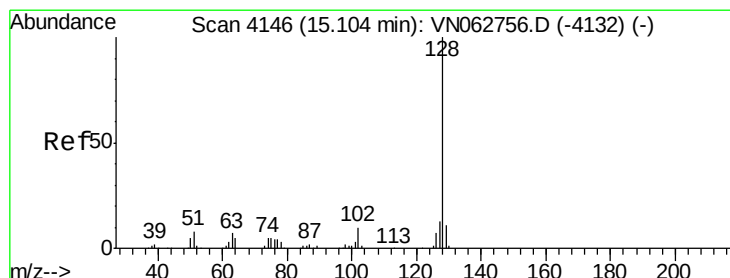
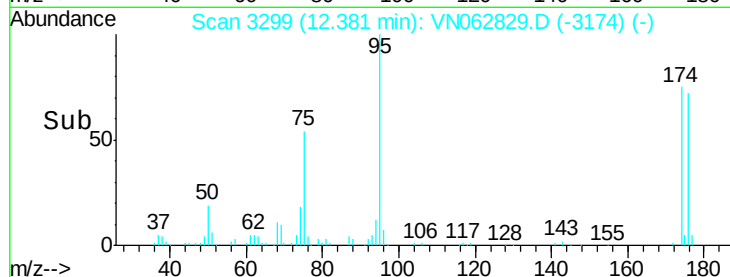
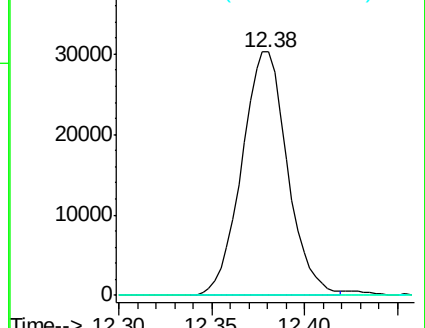
89 0.0 36.2 54.2#



Abundance Ion 74.90 (74.60 to 75.60): VN062829.D (-3174) (-)

Ion 53.00 (52.70 to 53.70): VN062829.D (-3174) (-)

Ion 88.90 (88.60 to 89.60): VN062829.D (-3174) (-)



#95

Naphthalene

Concen: 3.929 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. -0.00 min

Lab File: VN062829.D

Acq: 11 Aug 2020 14:41

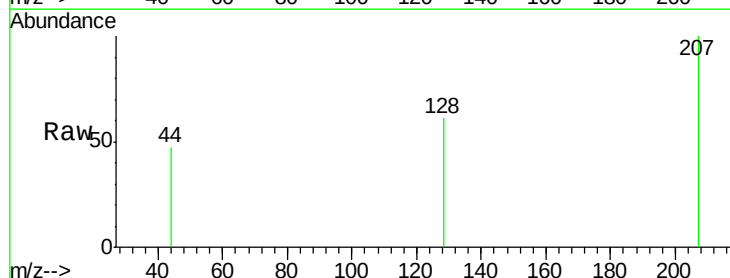
Tgt Ion: 128 Resp: 844

Ion Ratio Lower Upper

128 100

127 0.0 10.8 16.2#

129 0.0 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): VN062829.D (-4053) (-)

Ion 127.00 (126.70 to 127.70): VN062829.D (-4053) (-)

Ion 129.00 (128.70 to 129.70): VN062829.D (-4053) (-)

