

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081720\
 Data File : VN062985.D
 Acq On : 17 Aug 2020 21:56
 Operator : JC/MD
 Sample : L3508-23
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TR-08-081420

Quant Time: Aug 18 05:54:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081720W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 17 17:31:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	182808	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	289182	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	299110	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	122078	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	103735	53.57	ug/l	0.00
Spiked Amount			Recovery	=	107.14%	
35) Dibromofluoromethane	7.55	113	93218	49.49	ug/l	0.00
Spiked Amount			Recovery	=	98.98%	
50) Toluene-d8	10.06	98	364085	49.81	ug/l	0.00
Spiked Amount			Recovery	=	99.62%	
62) 4-Bromofluorobenzene	12.38	95	129372	49.25	ug/l	0.00
Spiked Amount			Recovery	=	98.50%	

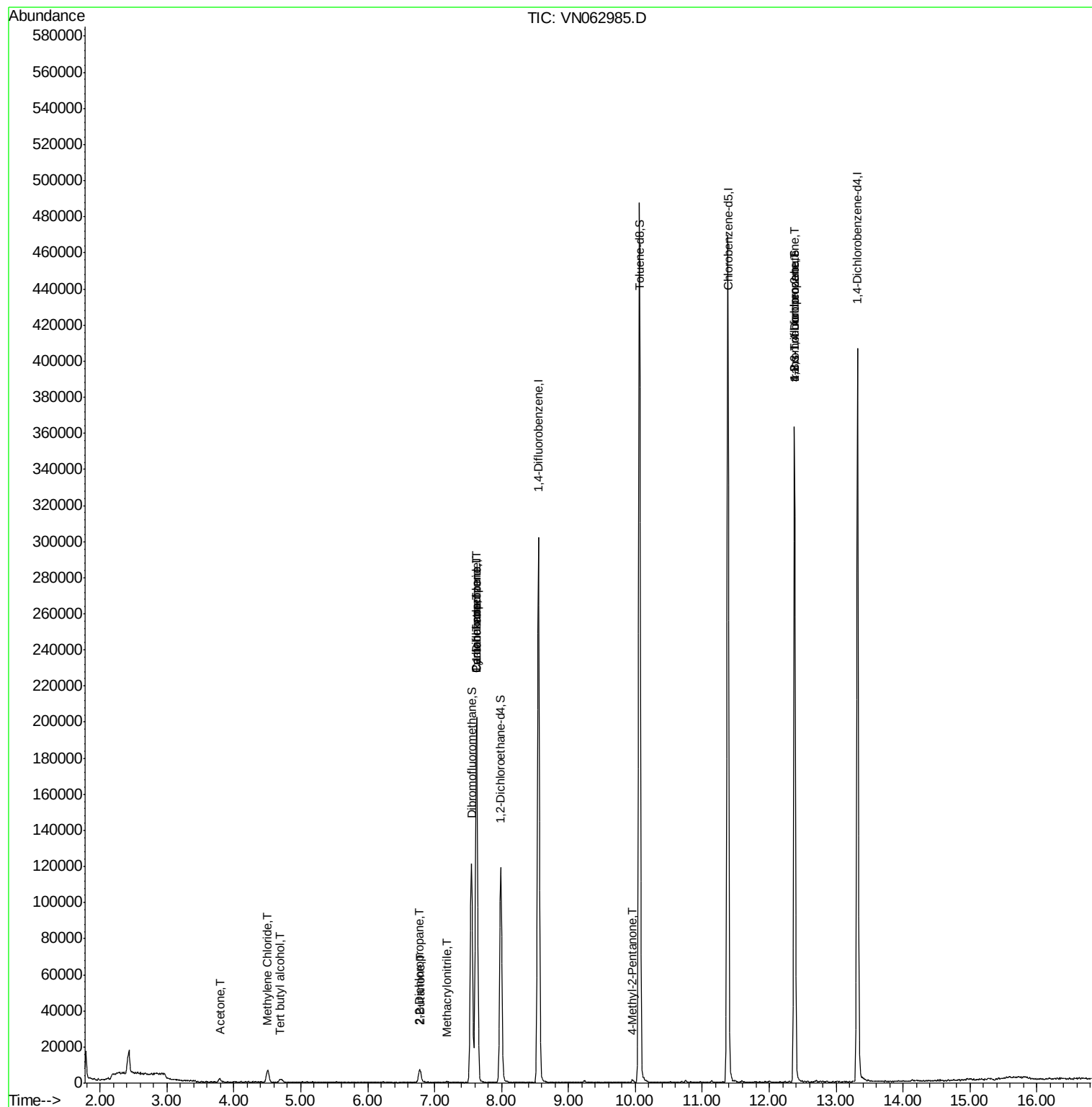
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.68	59	1959	5.920	ug/l #	74
16) Acetone	3.79	43	2899	3.866	ug/l	89
18) Methyl Acetate	4.29	43	320	Below Cal	#	48
20) Methylene Chloride	4.51	84	5267	3.483	ug/l #	94
25) 2-Butanone	6.79	43	343	0.317	ug/l #	45
26) 2,2-Dichloropropane	6.77	77	520	0.205	ug/l #	51
29) Tetrahydrofuran	7.18	42	269	Below Cal	#	29
31) Cyclohexane	7.63	56	2777	0.930	ug/l #	1
36) 1,1-Dichloropropene	7.62	75	11551	4.656	ug/l #	47
38) Carbon Tetrachloride	7.63	117	15200	5.800	ug/l #	16
41) Methacrylonitrile	7.18	41	318	0.286	ug/l #	8
51) 4-Methyl-2-Pentanone	9.95	43	1085	0.450	ug/l	98
59) 2-Hexanone	10.75	43	266	Below Cal	#	21
76) 1,2,3-Trichloropropane	12.38	75	59955	24.806	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	59955	66.590	ug/l #	16
95) Naphthalene	15.11	128	268	Below Cal	#	69

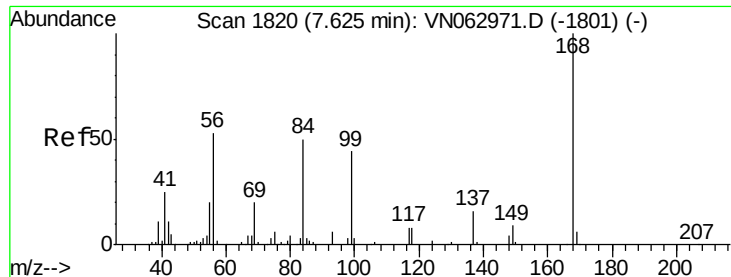
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN062985.D

Acq: 17 Aug 2020 21:56

Instrument :

MSVOA_N

ClientSampleId :

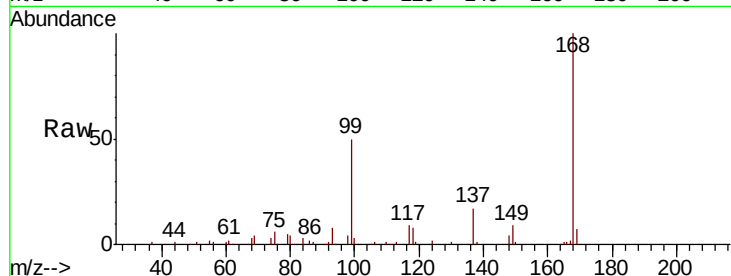
TR-08-081420

Tot Ion:168 Resp: 182808

Ion Ratio Lower Upper

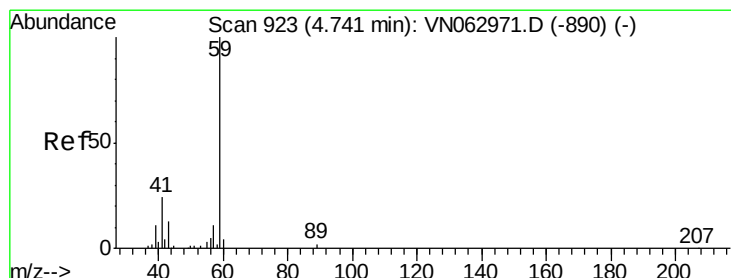
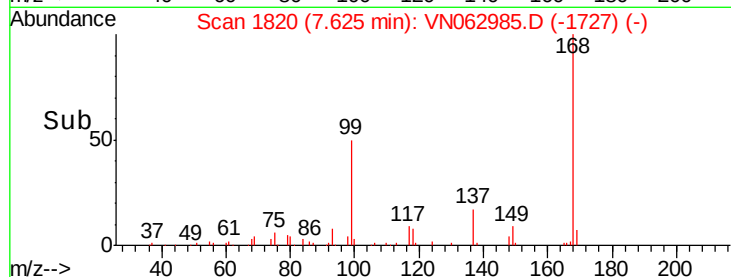
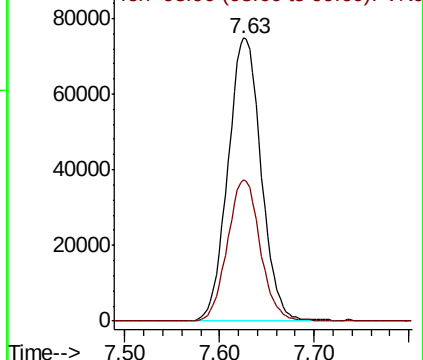
168 100

99 49.8 39.4 59.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#11

Tert butyl alcohol

Concen: 5.920 ug/l

RT: 4.68 min Scan# 905

Delta R.T. -0.06 min

Lab File: VN062985.D

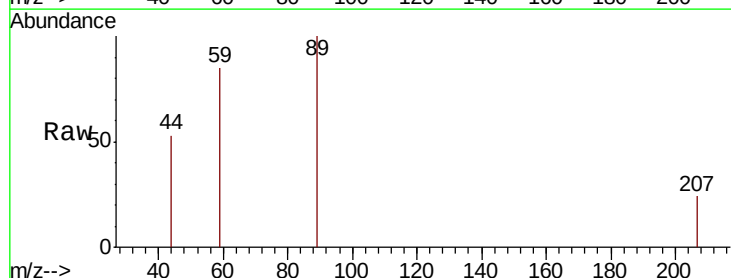
Acq: 17 Aug 2020 21:56

Tgt Ion: 59 Resp: 1959

Ion Ratio Lower Upper

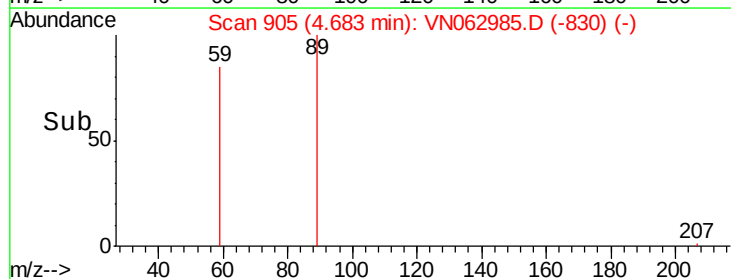
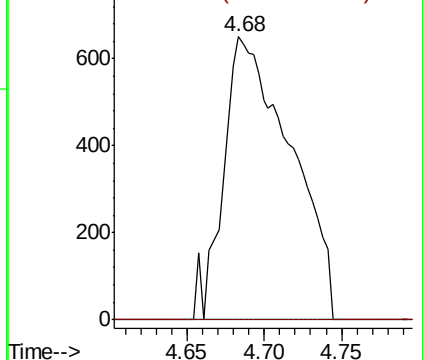
59 100

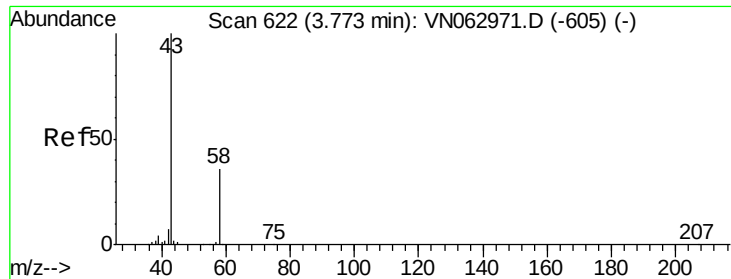
57 0.0 7.6 11.4#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

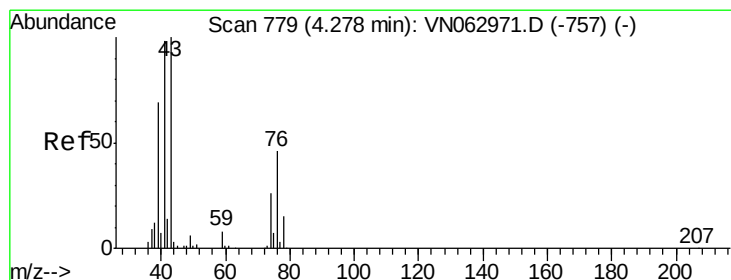
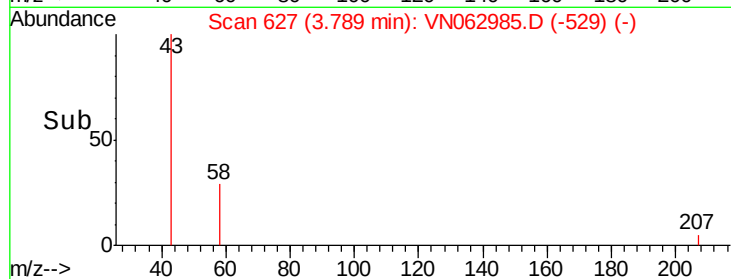
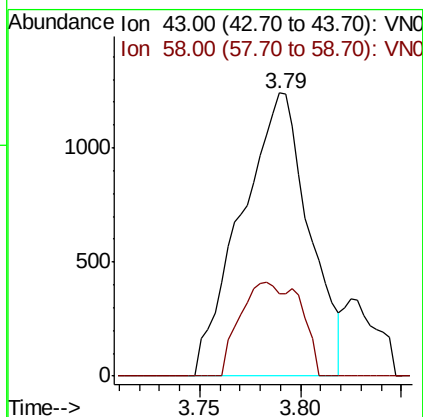
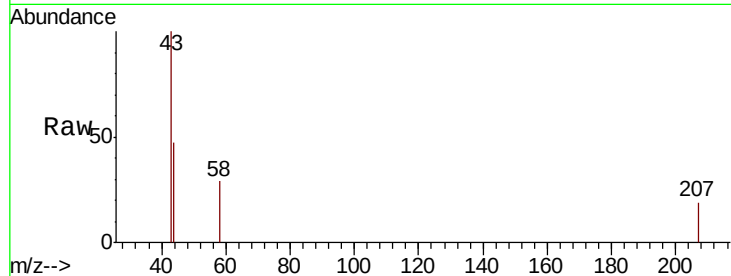




#16
Acetone
Concen: 3.866 ug/l
RT: 3.79 min Scan# 627
Delta R.T. 0.02 min
Lab File: VN062985.D
Acq: 17 Aug 2020 21:56

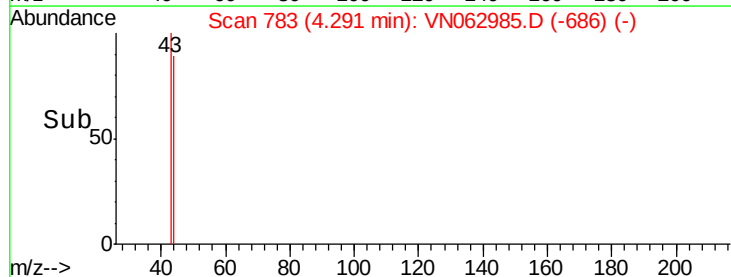
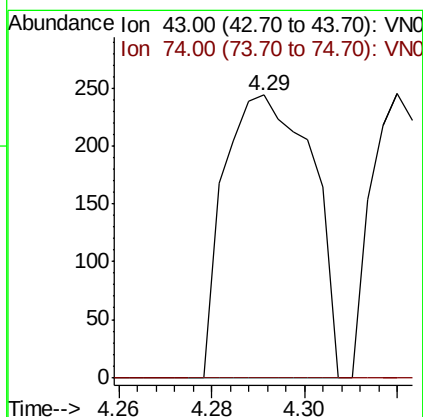
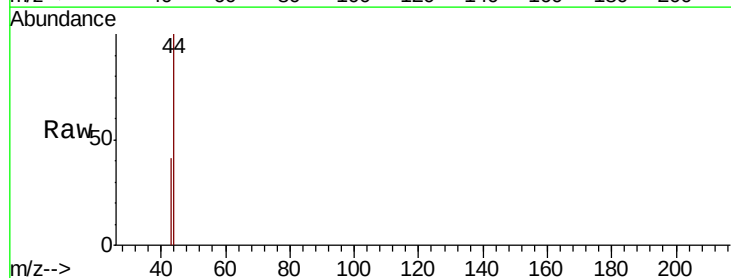
Instrument :
MSVOA_N
ClientSampled :
TR-08-081420

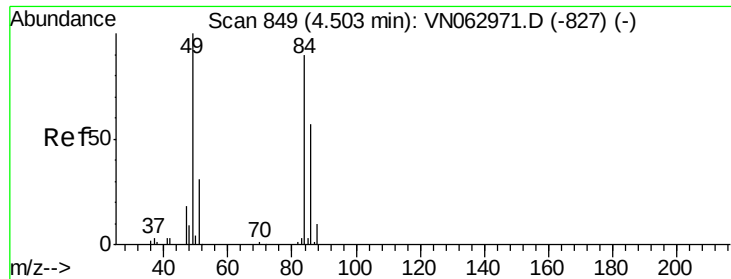
Tot Ion: 43 Resp: 2899
Ion Ratio Lower Upper
43 100
58 29.2 28.7 43.1



#18
Methyl Acetate
Concen: Below Cal
RT: 4.29 min Scan# 783
Delta R.T. 0.01 min
Lab File: VN062985.D
Acq: 17 Aug 2020 21:56

Tgt Ion: 43 Resp: 320
Ion Ratio Lower Upper
43 100
74 0.0 21.6 32.4#

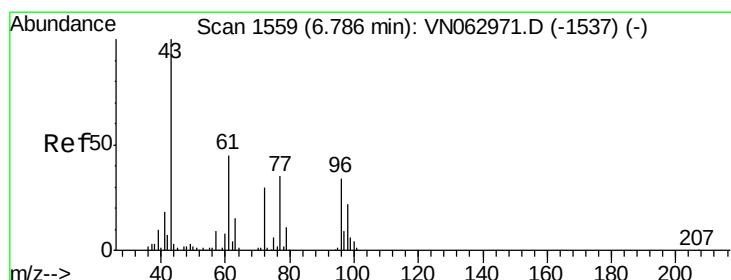
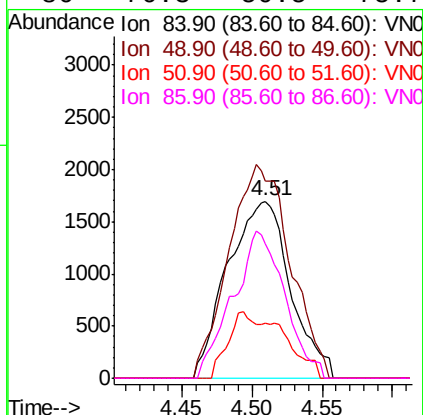
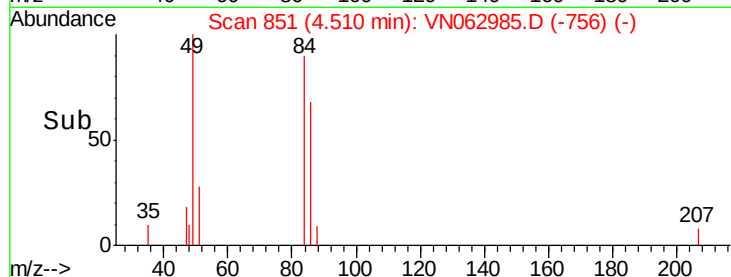
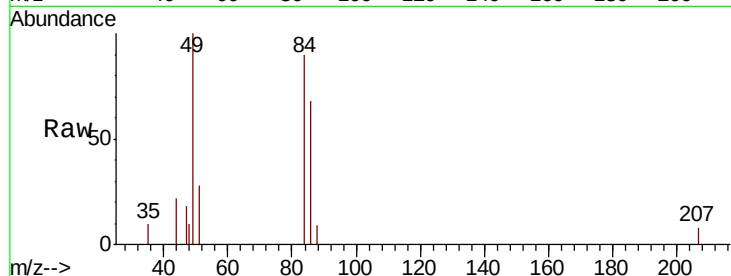




#20
Methvlene Chloride
Concen: 3.483 ug/l
RT: 4.51 min Scan# 851
Delta R.T. 0.01 min
Lab File: VN062985.D
Acq: 17 Aug 2020 21:56

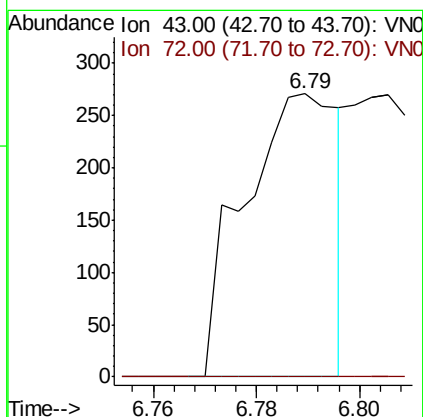
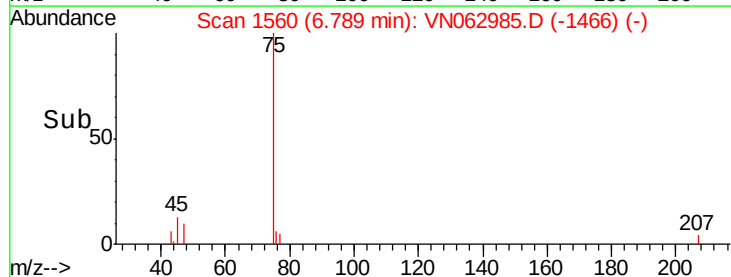
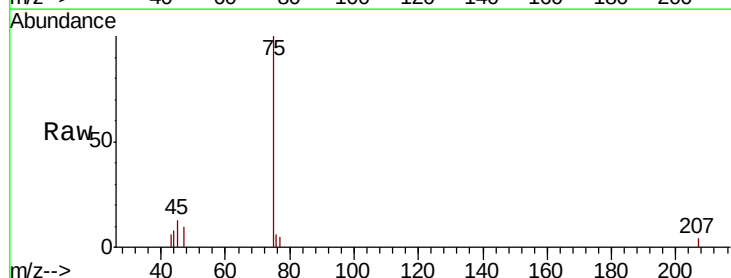
Instrument :
MSVOA_N
ClientSampleId :
TR-08-081420

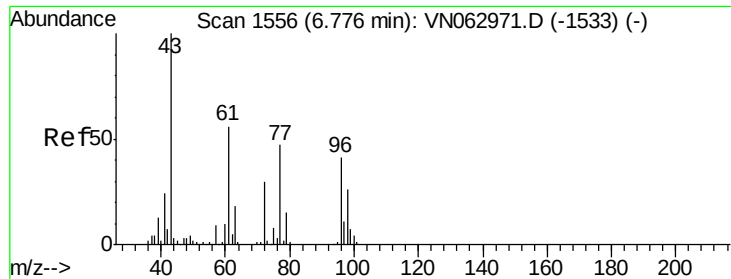
Tot Ion: 84 Resp: 5267
Ion Ratio Lower Upper
84 100
49 111.6 88.8 133.2
51 31.0 27.1 40.7
86 76.3 50.5 75.7#



#25
2-Butanone
Concen: 0.317 ug/l
RT: 6.79 min Scan# 1560
Delta R.T. 0.00 min
Lab File: VN062985.D
Acq: 17 Aug 2020 21:56

Tgt Ion: 43 Resp: 343
Ion Ratio Lower Upper
43 100
72 0.0 23.9 35.9#

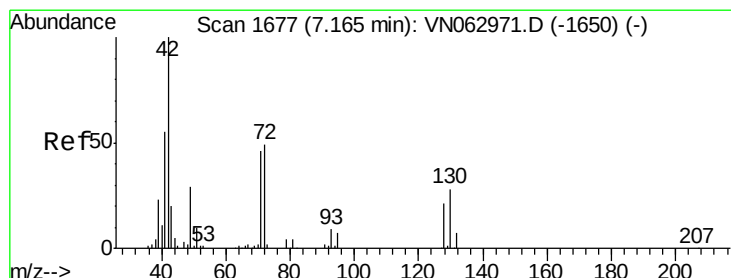
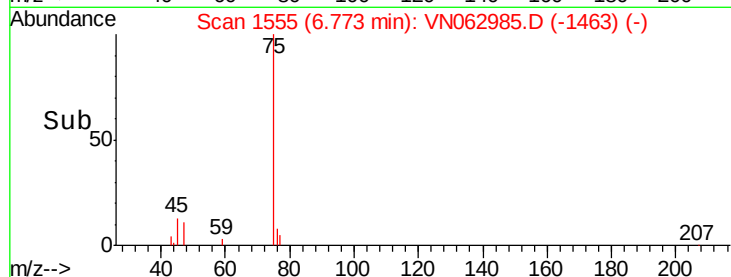
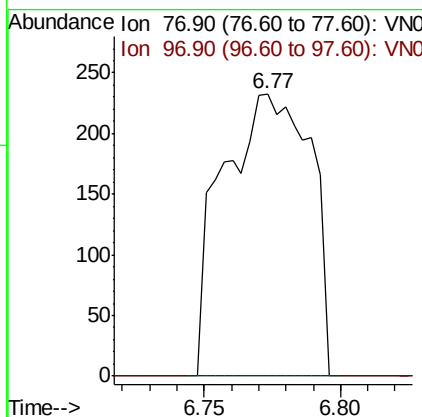
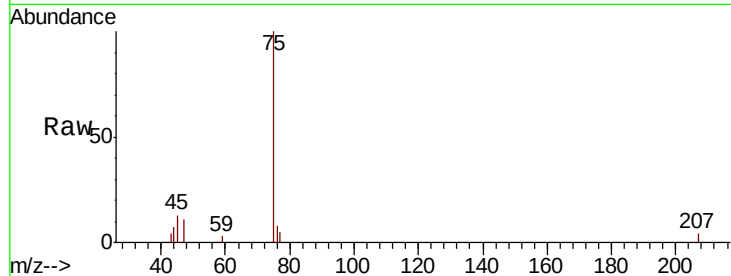




#26
 2,2-Dichloropropane
 Concen: 0.205 ug/l
 RT: 6.77 min Scan# 1555
 Delta R.T. -0.00 min
 Lab File: VN062985.D
 Acq: 17 Aug 2020 21:56

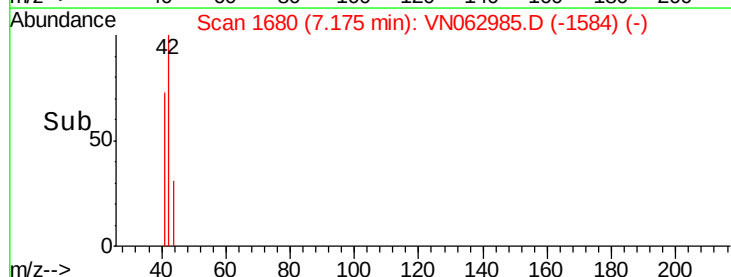
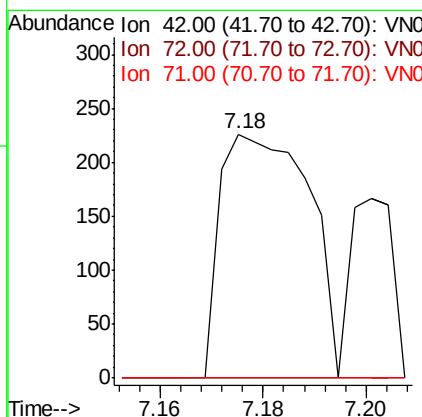
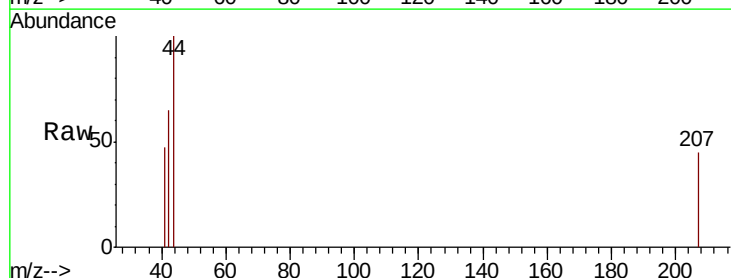
Instrument :
 MSVOA_N
 ClientSampleId :
 TR-08-081420

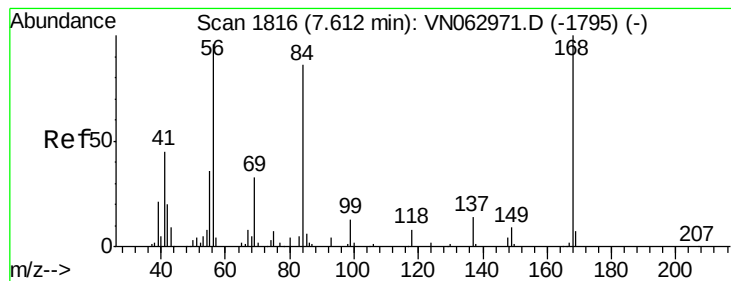
Tot Ion: 77 Resp: 520
 Ion Ratio Lower Upper
 77 100
 97 0.0 12.0 36.1#



#29
 Tetrahydrofuran
 Concen: Below Cal
 RT: 7.18 min Scan# 1680
 Delta R.T. 0.01 min
 Lab File: VN062985.D
 Acq: 17 Aug 2020 21:56

Tgt Ion: 42 Resp: 269
 Ion Ratio Lower Upper
 42 100
 72 0.0 39.4 59.2#
 71 0.0 37.2 55.8#





#31

Cyclohexane

Concen: 0.930 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.02 min

Lab File: VN062985.D

Acq: 17 Aug 2020 21:56

Instrument :

MSVOA_N

ClientSampleId :

TR-08-081420

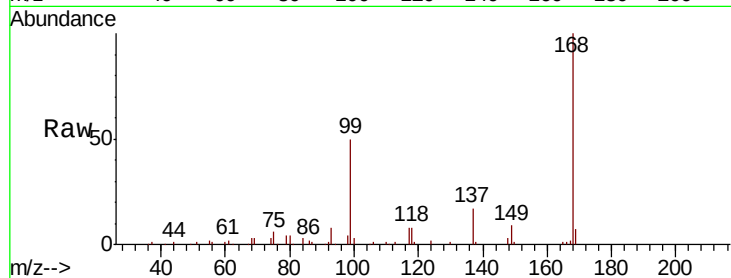
Tot Ion: 56 Resp: 2777

Ion Ratio Lower Upper

56 100

69 238.0 27.4 41.2#

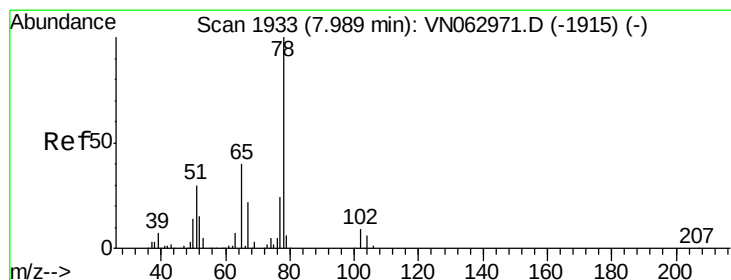
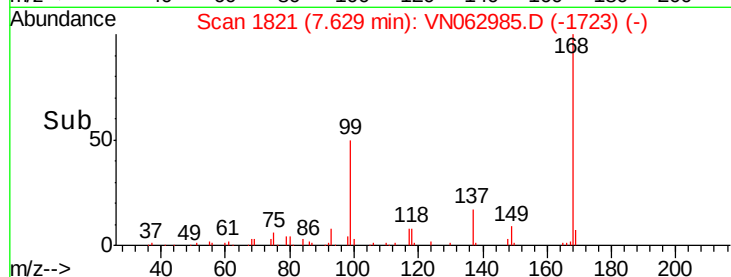
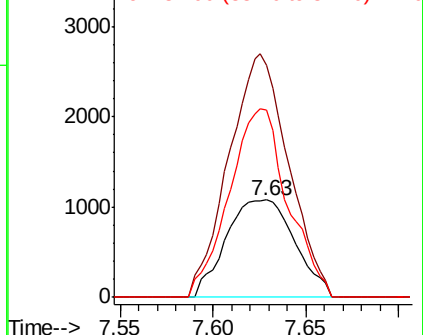
84 192.4 71.3 106.9#



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: 53.567 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN062985.D

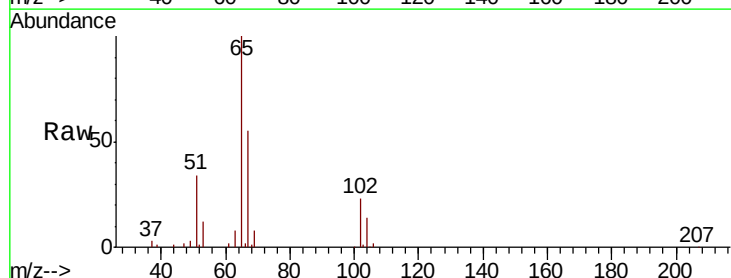
Acq: 17 Aug 2020 21:56

Tgt Ion: 65 Resp: 103735

Ion Ratio Lower Upper

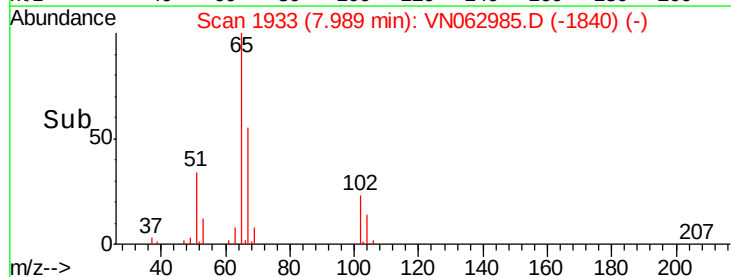
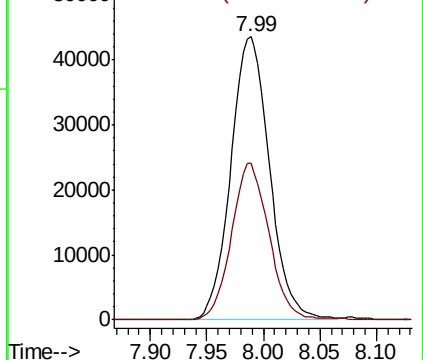
65 100

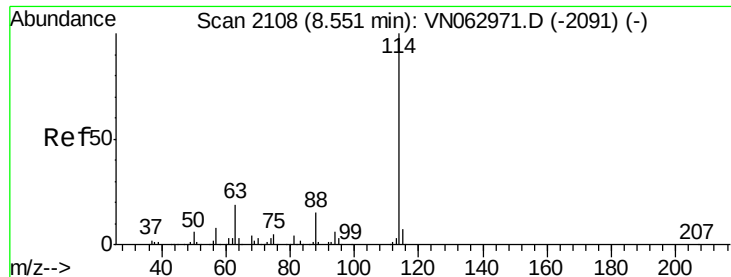
67 53.9 0.0 108.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. 0.00 min

Lab File: VN062985.D

Acq: 17 Aug 2020 21:56

Instrument :

MSVOA_N

ClientSampleId :

TR-08-081420

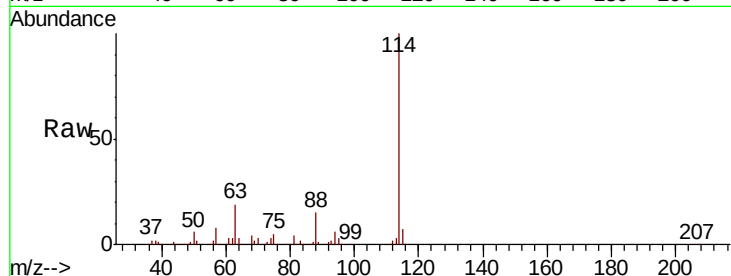
Tot Ion:114 Resp: 289182

Ion Ratio Lower Upper

114 100

63 18.9 0.0 37.6

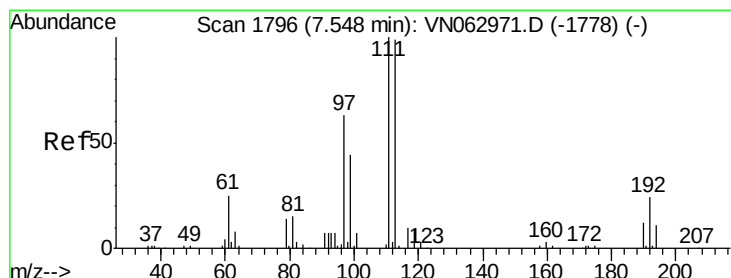
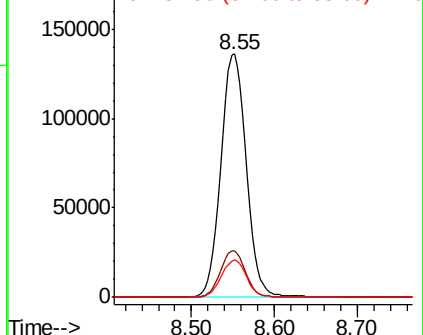
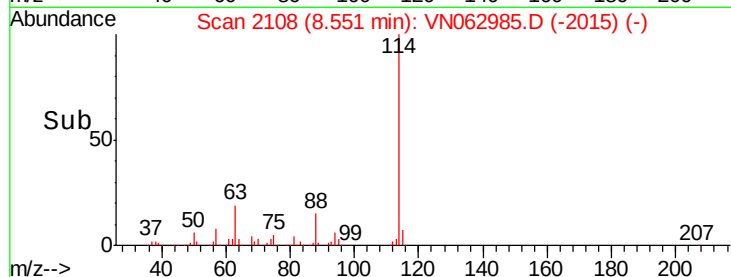
88 15.4 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 49.490 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VN062985.D

Acq: 17 Aug 2020 21:56

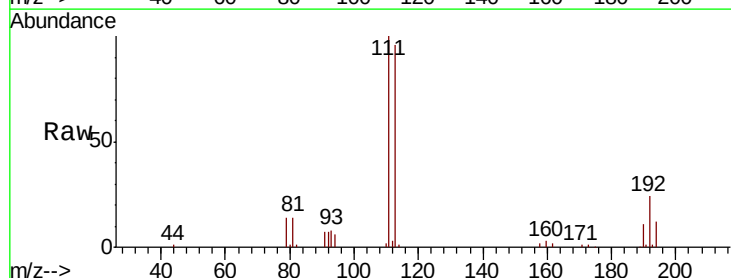
Tgt Ion:113 Resp: 93218

Ion Ratio Lower Upper

113 100

111 104.7 81.4 122.0

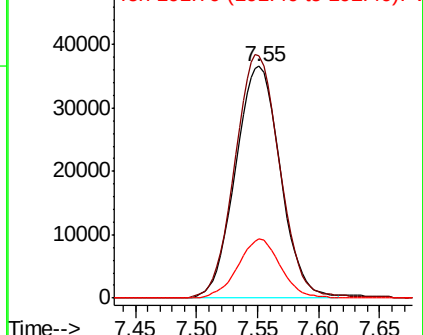
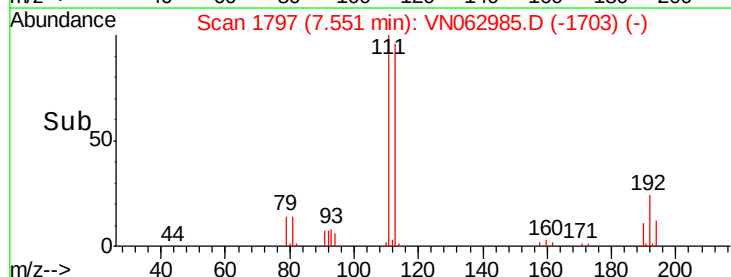
192 24.2 19.2 28.8

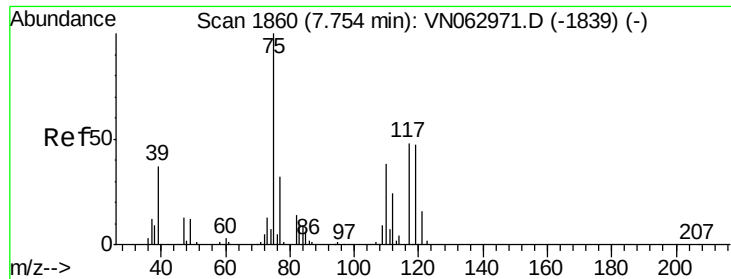


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.656 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.13 min

Lab File: VN062985.D

Acq: 17 Aug 2020 21:56

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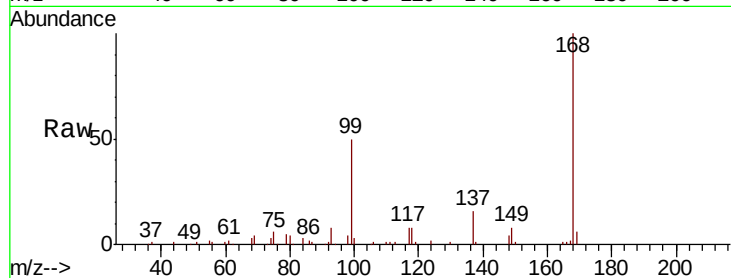
Tot Ion: 75 Resp: 11551

Ion Ratio Lower Upper

75 100

110 7.9 18.7 56.1#

77 0.0 25.6 38.4#

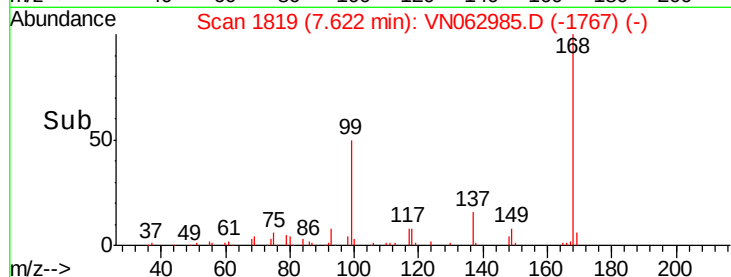


Abundance Ion 74.90 (74.60 to 75.60): VN062971.D (-1839) (-)

Ion 109.90 (109.60 to 110.60): VN062971.D (-1839) (-)

Ion 76.90 (76.60 to 77.60): VN062971.D (-1839) (-)

Time-->

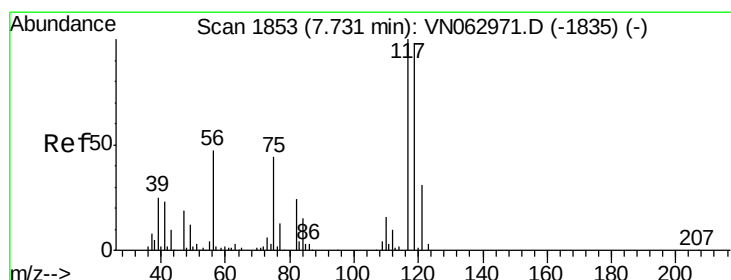


Abundance Ion 74.90 (74.60 to 75.60): VN062971.D (-1839) (-)

Ion 109.90 (109.60 to 110.60): VN062971.D (-1839) (-)

Ion 76.90 (76.60 to 77.60): VN062971.D (-1839) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 5.800 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN062985.D

Acq: 17 Aug 2020 21:56

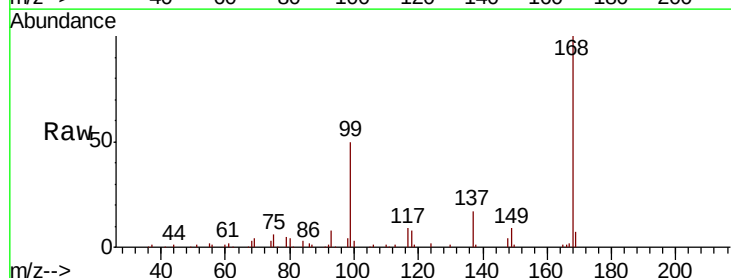
Tgt Ion: 117 Resp: 15200

Ion Ratio Lower Upper

117 100

119 6.3 77.9 116.9#

121 0.0 24.8 37.2#

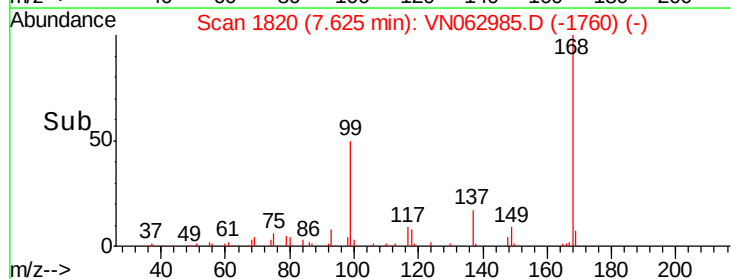


Abundance Ion 116.80 (116.50 to 117.50): VN062971.D (-1835) (-)

Ion 118.80 (118.50 to 119.50): VN062971.D (-1835) (-)

Ion 120.80 (120.50 to 121.50): VN062971.D (-1835) (-)

Time-->

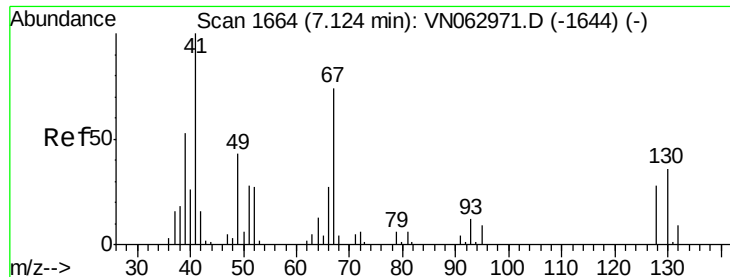


Abundance Ion 116.80 (116.50 to 117.50): VN062971.D (-1835) (-)

Ion 118.80 (118.50 to 119.50): VN062971.D (-1835) (-)

Ion 120.80 (120.50 to 121.50): VN062971.D (-1835) (-)

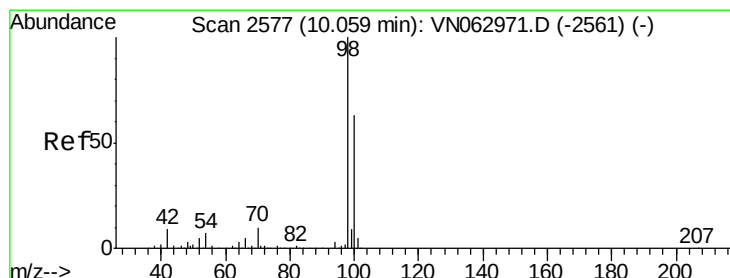
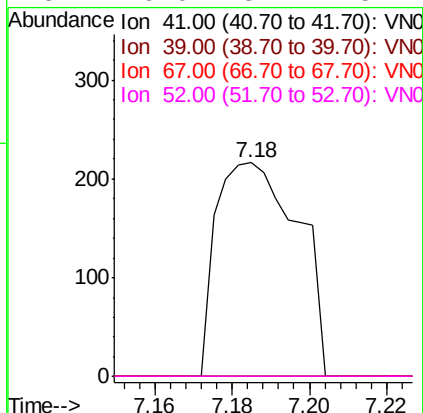
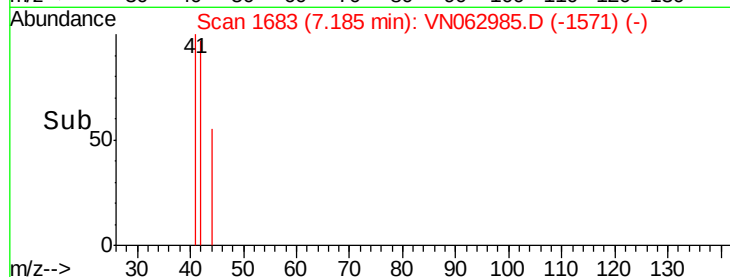
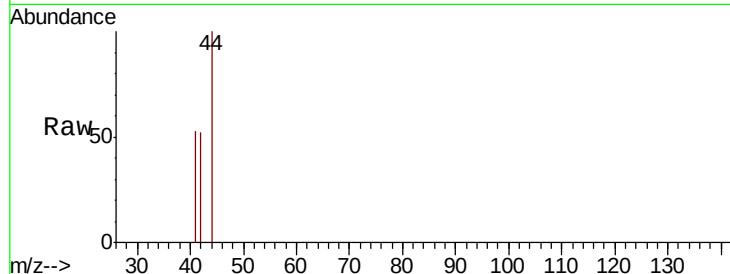
Time-->



#41
Methacrylonitrile
Concen: 0.286 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.06 min
Lab File: VN062985.D
Acq: 17 Aug 2020 21:56

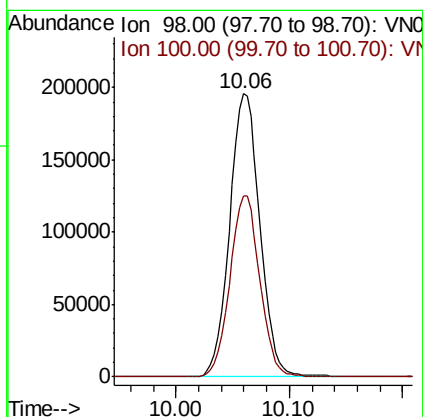
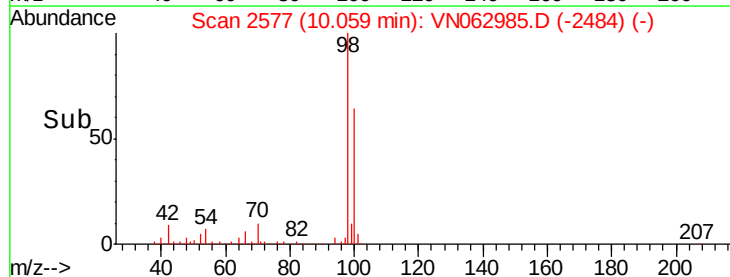
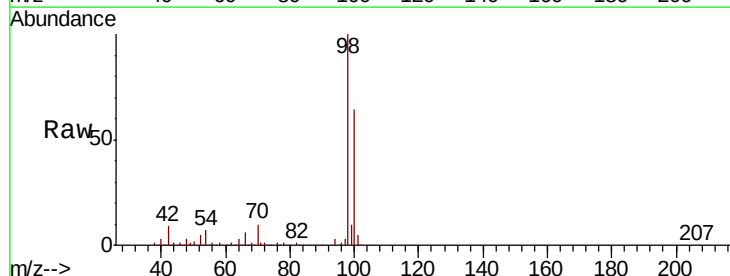
Instrument :
MSVOA_N
ClientSampled :
TR-08-081420

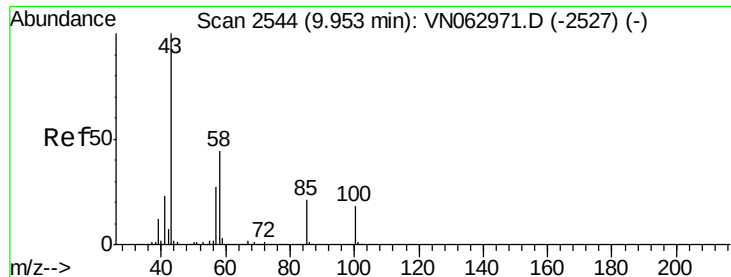
Tot Ion: 41 Resp: 318
Ion Ratio Lower Upper
41 100
39 0.0 58.6 88.0#
67 0.0 90.1 135.1#
52 0.0 34.7 52.1#



#50
Toluene-d8
Concen: 49.807 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN062985.D
Acq: 17 Aug 2020 21:56

Tgt Ion: 98 Resp: 364085
Ion Ratio Lower Upper
98 100
100 63.2 51.0 76.4

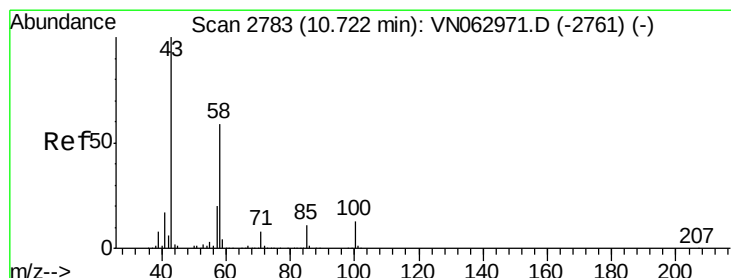
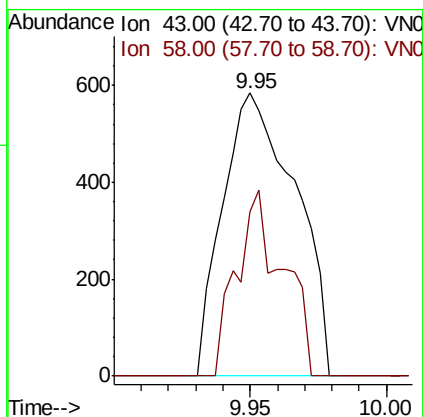
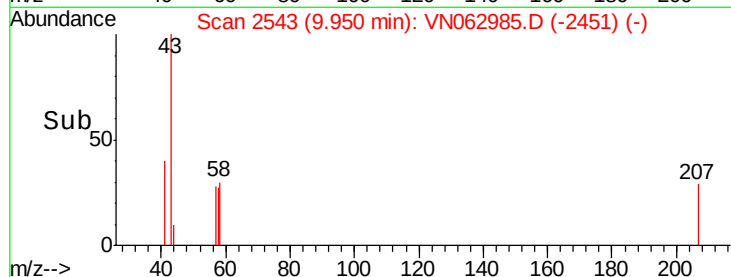
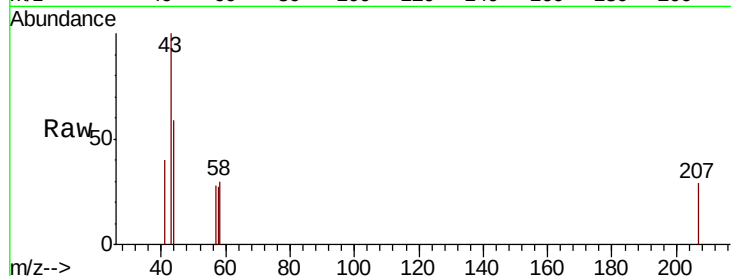




#51
4-Methyl-2-Pentanone
Concen: 0.450 ug/l
RT: 9.95 min Scan# 2543
Delta R.T. -0.00 min
Lab File: VN062985.D
Acq: 17 Aug 2020 21:56

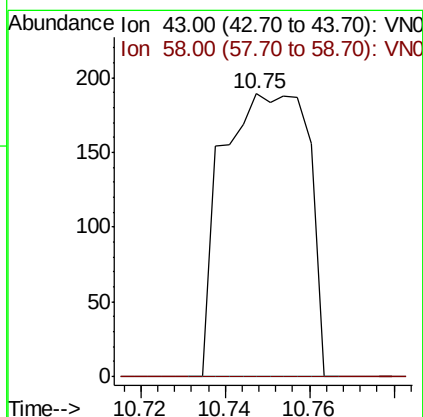
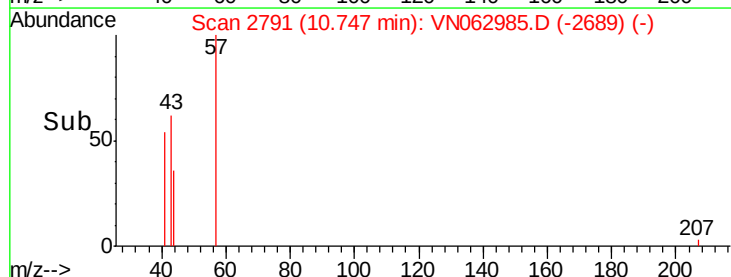
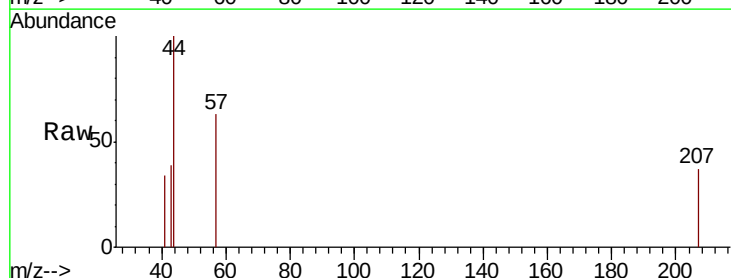
Instrument :
MSVOA_N
ClientSampleId :
TR-08-081420

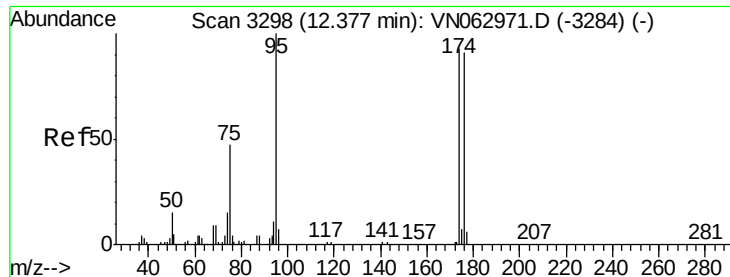
Tot Ion: 43 Resp: 1085
Ion Ratio Lower Upper
43 100
58 41.8 34.3 51.5



#59
2-Hexanone
Concen: Below Cal
RT: 10.75 min Scan# 2791
Delta R.T. 0.03 min
Lab File: VN062985.D
Acq: 17 Aug 2020 21:56

Tgt Ion: 43 Resp: 266
Ion Ratio Lower Upper
43 100
58 0.0 29.5 88.5#

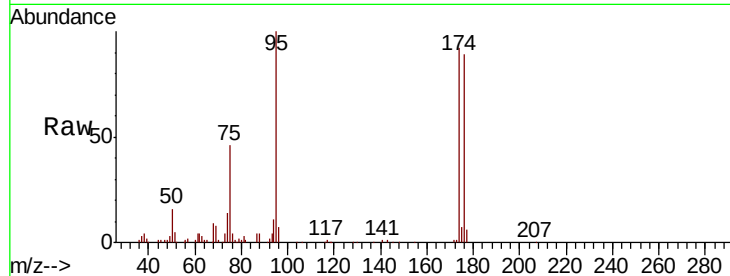




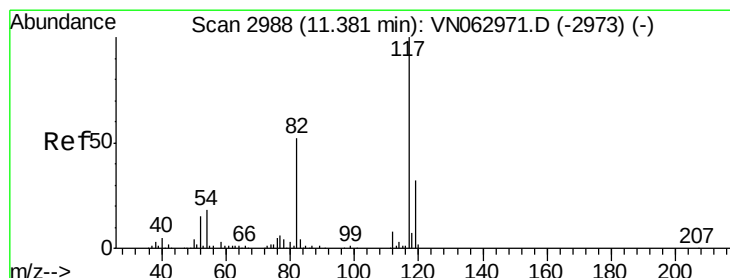
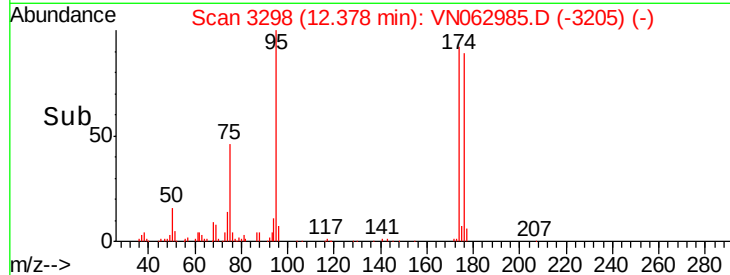
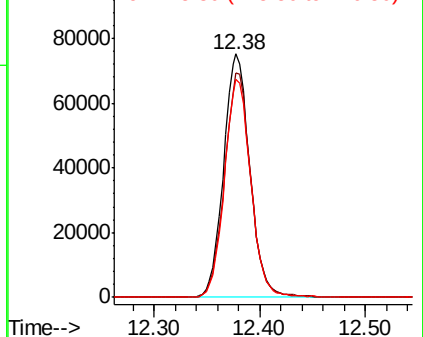
#62
4-Bromofluorobenzene
Concen: 49.253 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN062985.D
Acq: 17 Aug 2020 21:56

Instrument :
MSVOA_N
ClientSampleId :
TR-08-081420

Tot Ion: 95 Resp: 129372
Ion Ratio Lower Upper
95 100
174 92.5 0.0 185.2
176 89.3 0.0 178.8

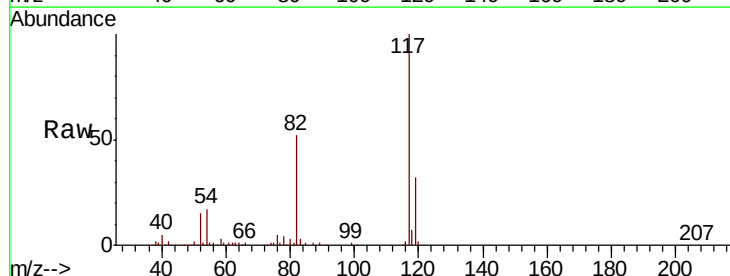


Abundance Ion 94.90 (94.60 to 95.60): VN062971.D (-3284) (-)
Ion 173.80 (173.50 to 174.50): VN062971.D (-3284) (-)
Ion 175.80 (175.50 to 176.50): VN062971.D (-3284) (-)

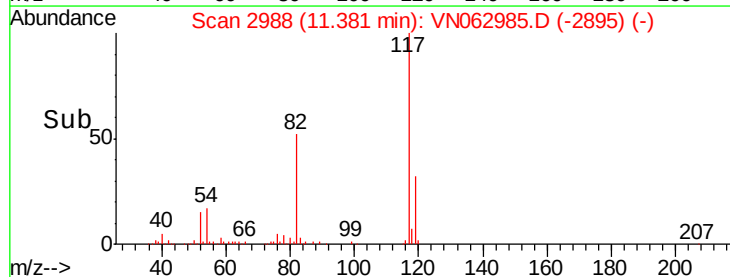
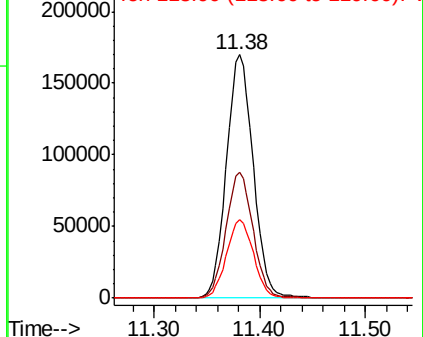


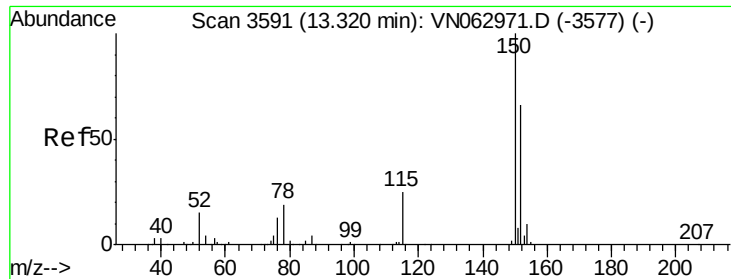
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062985.D
Acq: 17 Aug 2020 21:56

Tgt Ion: 117 Resp: 299110
Ion Ratio Lower Upper
117 100
82 51.5 41.3 61.9
119 32.1 25.8 38.8



Abundance Ion 116.90 (116.60 to 117.60): VN062971.D (-2973) (-)
Ion 82.00 (81.70 to 82.70): VN062971.D (-2973) (-)
Ion 118.90 (118.60 to 119.60): VN062971.D (-2973) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062985.D

Acq: 17 Aug 2020 21:56

Instrument :

MSVOA_N

ClientSampled :

TR-08-081420

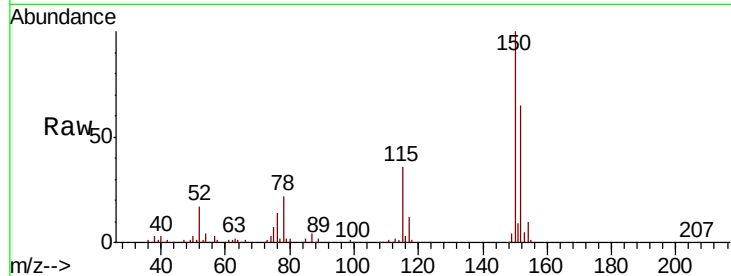
Tot Ion:152 Resp: 122078

Ion Ratio Lower Upper

152 100

115 54.6 27.1 81.3

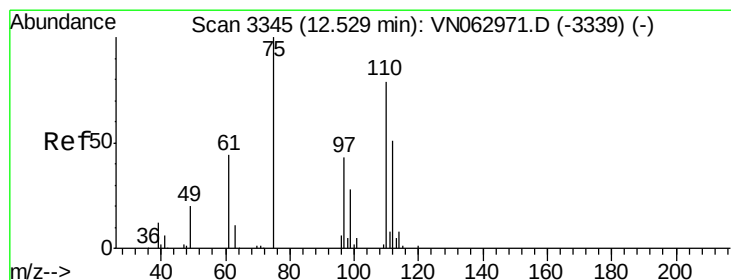
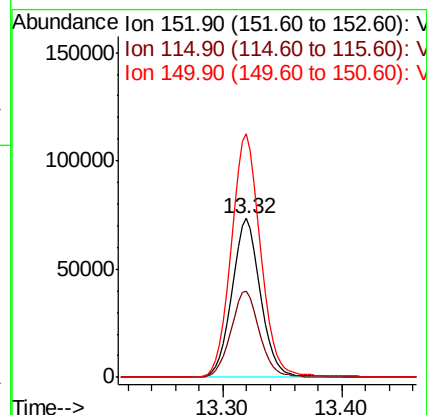
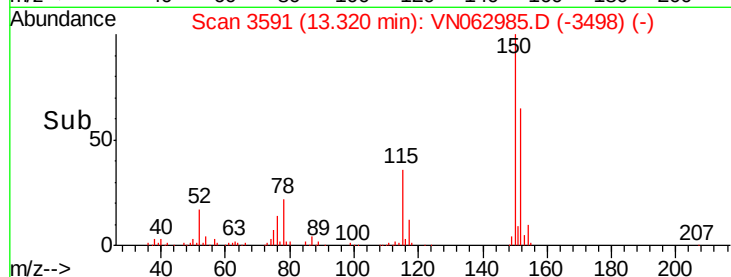
150 157.6 0.0 341.4



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: 24.806 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062985.D

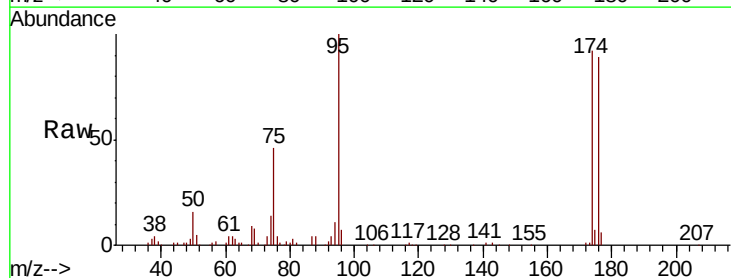
Acq: 17 Aug 2020 21:56

Tgt Ion: 75 Resp: 59955

Ion Ratio Lower Upper

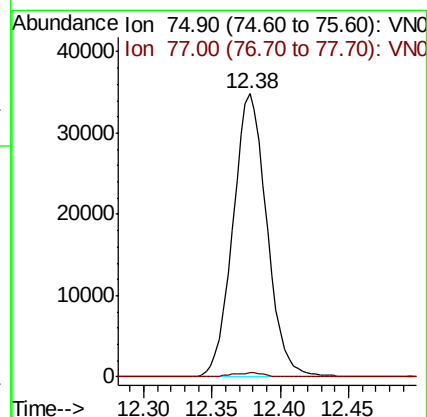
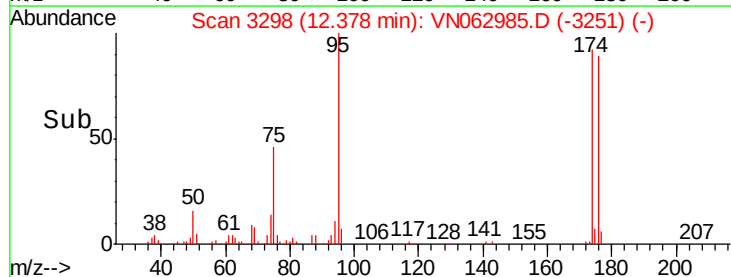
75 100

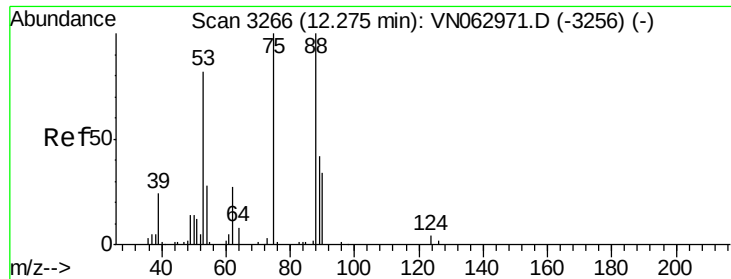
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 66.590 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062985.D

Acq: 17 Aug 2020 21:56

Instrument :

MSVOA_N

ClientSampled :

TR-08-081420

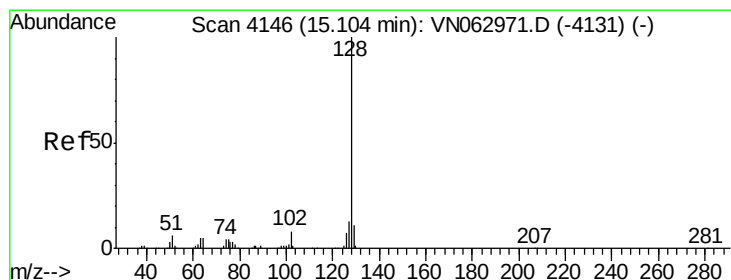
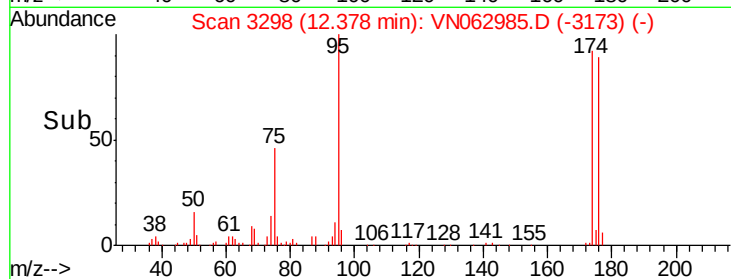
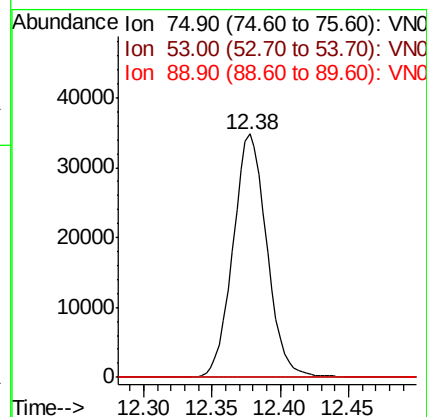
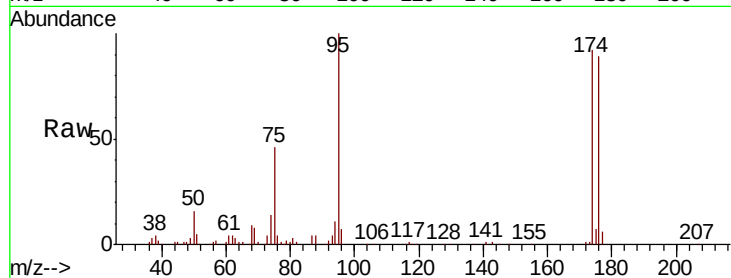
Tot Ion: 75 Resp: 59955

Ion Ratio Lower Upper

75 100

53 0.0 66.2 99.2#

89 0.0 35.0 52.4#



#95

Naphthalene

Concen: Below Cal

RT: 15.11 min Scan# 4147

Delta R.T. 0.00 min

Lab File: VN062985.D

Acq: 17 Aug 2020 21:56

Tgt Ion: 128 Resp: 268

Ion Ratio Lower Upper

128 100

127 0.0 10.6 15.8#

129 0.0 8.6 12.8#

