

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081920\
 Data File : VN063018.D
 Acq On : 19 Aug 2020 17:33
 Operator : JC/MD
 Sample : L3496-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 AU-06-081720

Quant Time: Aug 20 01:26:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 19 06:09:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	147771	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	246733	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	252714	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	92242	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	96644	55.18	ug/l	0.00
Spiked Amount			Recovery	=	110.36%	
35) Dibromofluoromethane	7.55	113	85164	52.97	ug/l	0.00
Spiked Amount			Recovery	=	105.94%	
50) Toluene-d8	10.06	98	316055	51.18	ug/l	0.00
Spiked Amount			Recovery	=	102.36%	
62) 4-Bromofluorobenzene	12.38	95	105122	48.24	ug/l	0.00
Spiked Amount			Recovery	=	96.48%	

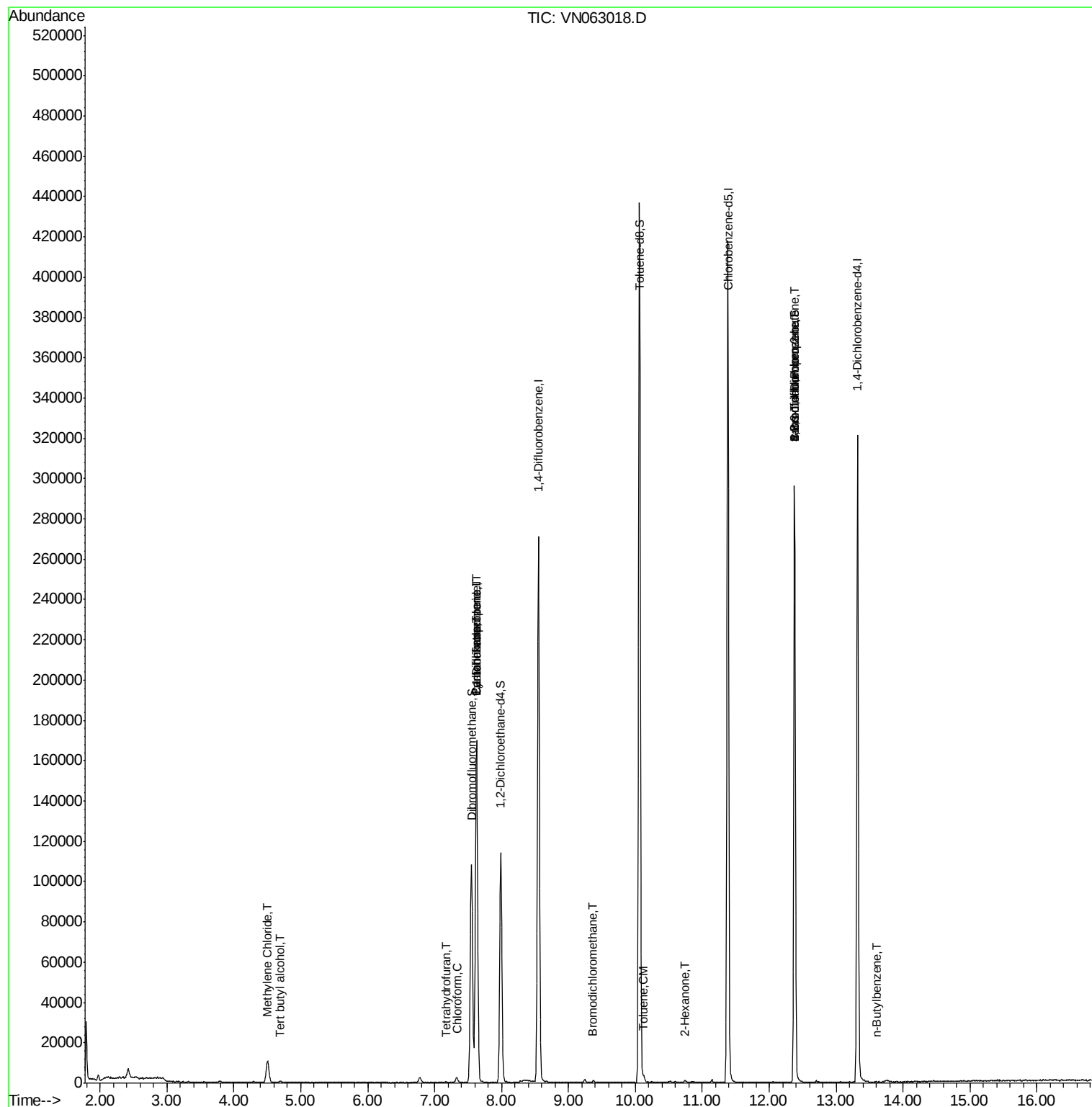
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.68	59	273	1.100	ug/l #	74
16) Acetone	3.79	43	1522	Below Cal	#	40
20) Methylene Chloride	4.50	84	8470	4.264	ug/l	96
29) Tetrahydrofuran	7.17	42	151	0.252	ug/l #	34
30) Chloroform	7.33	83	3212	1.137	ug/l	95
31) Cyclohexane	7.63	56	2793	1.082	ug/l #	3
36) 1,1-Dichloropropene	7.63	75	10113	4.651	ug/l #	48
38) Carbon Tetrachloride	7.63	117	13413	6.110	ug/l #	18
47) Bromodichloromethane	9.37	83	993	0.394	ug/l #	87
52) Toluene	10.12	92	978	0.235	ug/l	82
59) 2-Hexanone	10.73	43	375	0.252	ug/l #	23
71) Bromoform	12.38	173	961	0.612	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	50118	27.952	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	50118	76.770	ug/l #	15
89) n-Butylbenzene	13.60	91	98	2.789	ug/l #	34

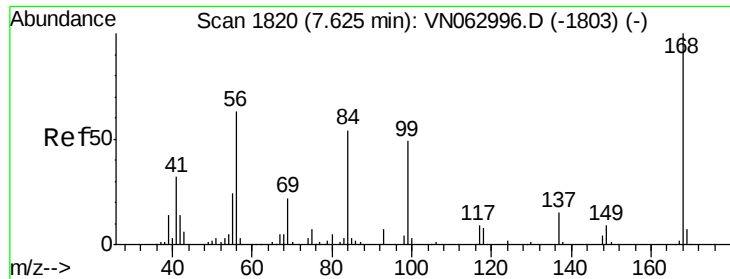
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN081920\
Data File : VN063018.D
Acq On : 19 Aug 2020 17:33
Operator : JC/MD
Sample : L3496-07
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
AU-06-081720

Quant Time: Aug 20 01:26:00 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N081820W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 19 06:09:27 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN063018.D

Acq: 19 Aug 2020 17:33

Instrument :

MSVOA_N

ClientSampleId :

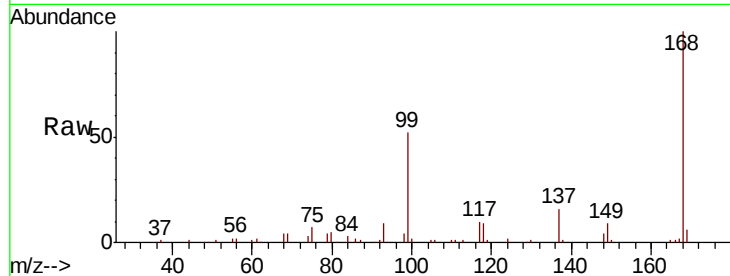
AU-06-081720

Tot Ion:168 Resp: 147771

Ion Ratio Lower Upper

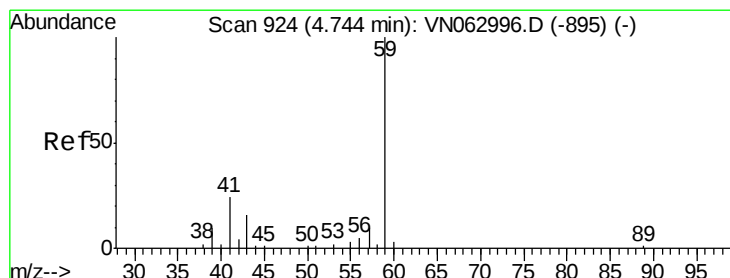
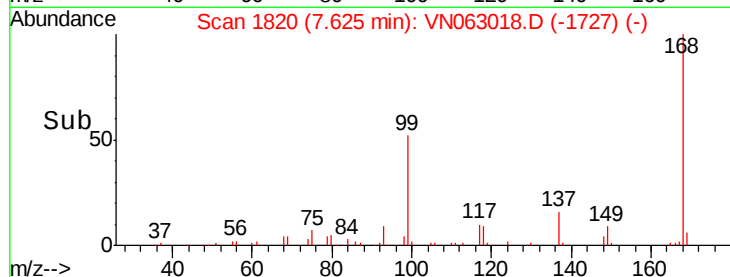
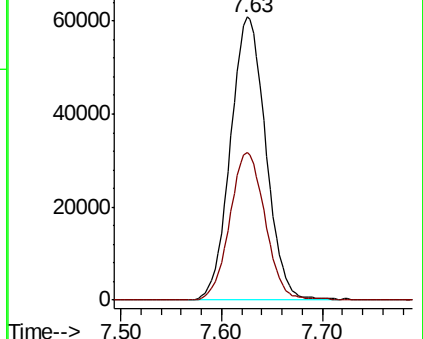
168 100

99 52.1 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#11

Tert butyl alcohol

Concen: 1.100 ug/l

RT: 4.68 min Scan# 905

Delta R.T. -0.06 min

Lab File: VN063018.D

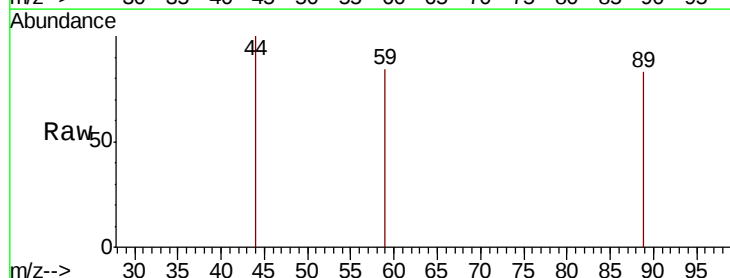
Acq: 19 Aug 2020 17:33

Tgt Ion: 59 Resp: 273

Ion Ratio Lower Upper

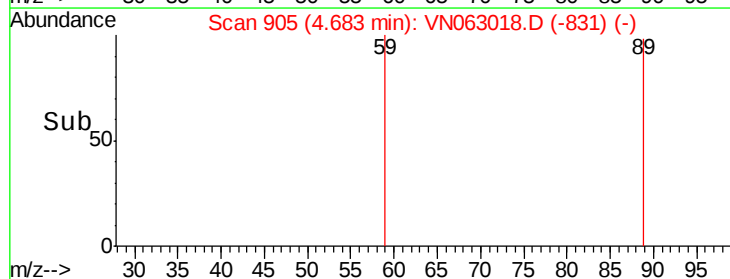
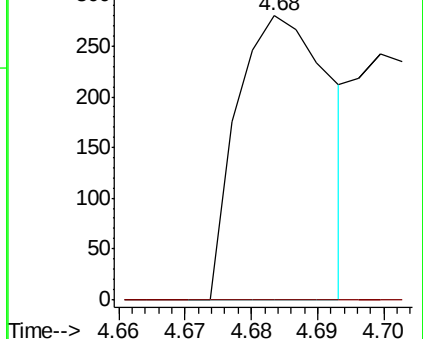
59 100

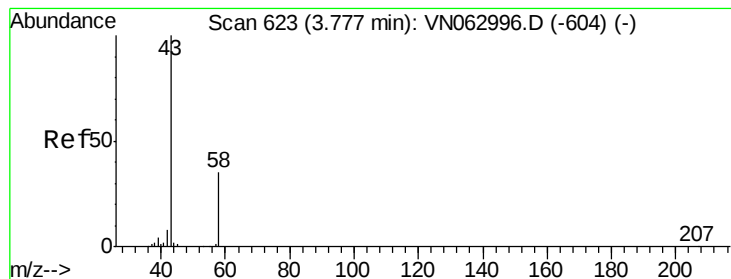
57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0





#16

Acetone

Concen: Below Cal

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN063018.D

Acq: 19 Aug 2020 17:33

Instrument :

MSVOA_N

ClientSampleId :

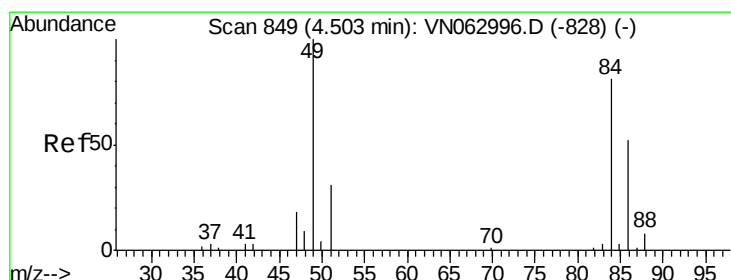
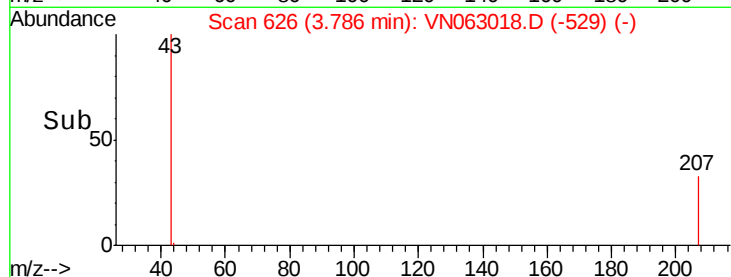
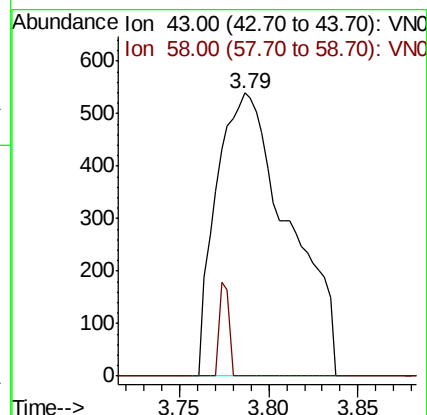
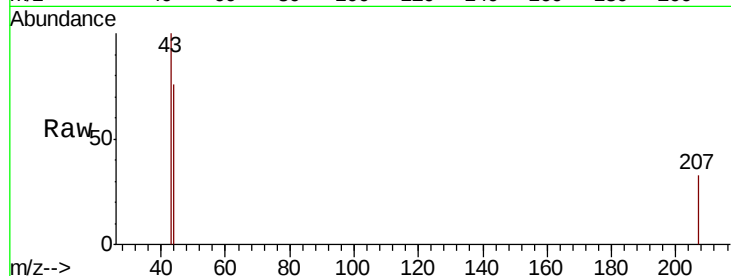
AU-06-081720

Tot Ion: 43 Resp: 1522

Ion Ratio Lower Upper

43 100

58 0.0 27.8 41.6#



#20

Methylene Chloride

Concen: 4.264 ug/l

RT: 4.50 min Scan# 849

Delta R.T. 0.00 min

Lab File: VN063018.D

Acq: 19 Aug 2020 17:33

Tgt Ion: 84 Resp: 8470

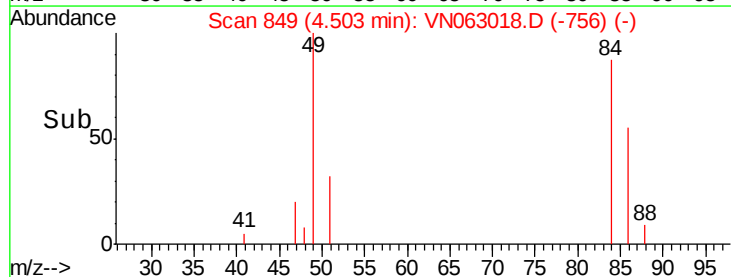
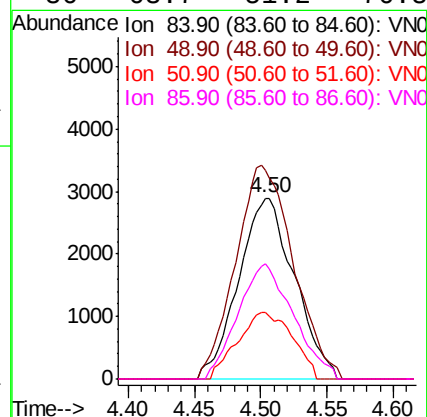
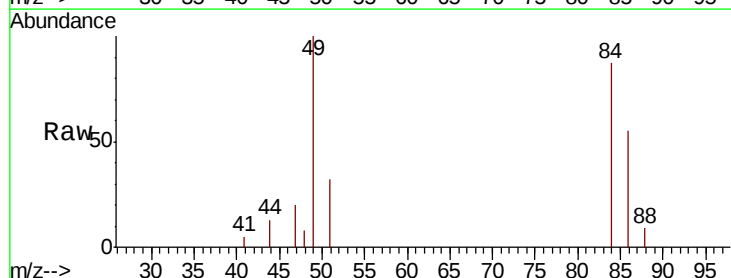
Ion Ratio Lower Upper

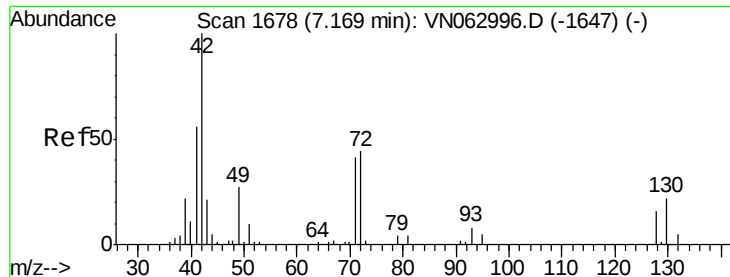
84 100

49 115.4 98.7 148.1

51 36.8 30.8 46.2

86 63.7 51.2 76.8





#29

Tetrahydrofuran

Concen: 0.252 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN063018.D

Acq: 19 Aug 2020 17:33

Instrument :

MSVOA_N

ClientSampleId :

AU-06-081720

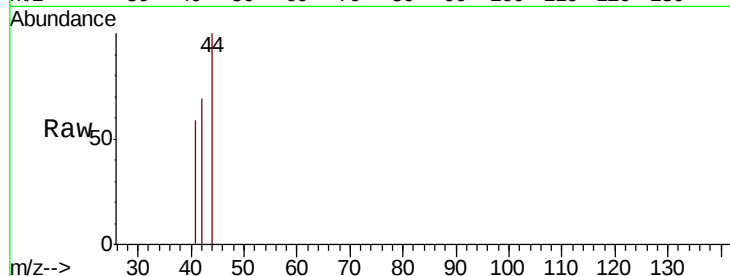
Tot Ion: 42 Resp: 151

Ion Ratio Lower Upper

42 100

72 0.0 34.6 52.0#

71 0.0 32.3 48.5#



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

7.17

250

200

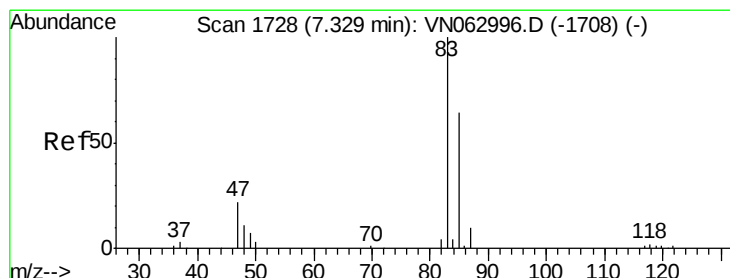
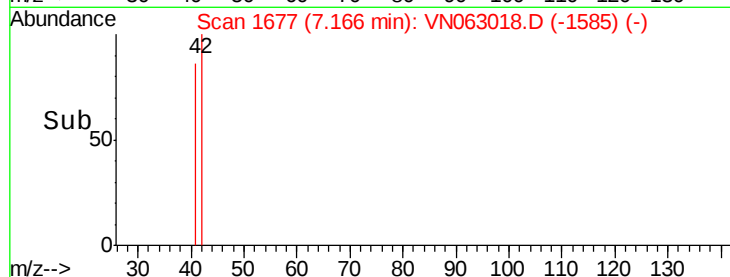
150

100

50

0

Time--> 7.15 7.16 7.17



#30

Chloroform

Concen: 1.137 ug/l

RT: 7.33 min Scan# 1728

Delta R.T. 0.00 min

Lab File: VN063018.D

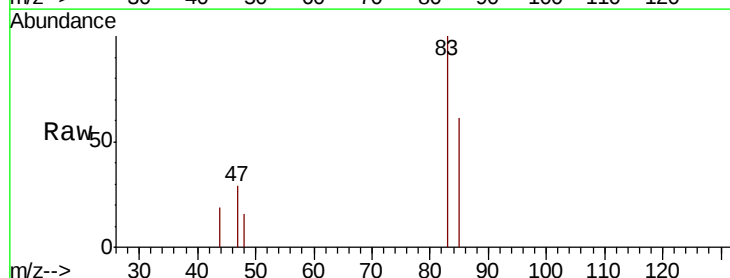
Acq: 19 Aug 2020 17:33

Tgt Ion: 83 Resp: 3212

Ion Ratio Lower Upper

83 100

85 60.5 51.5 77.3



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

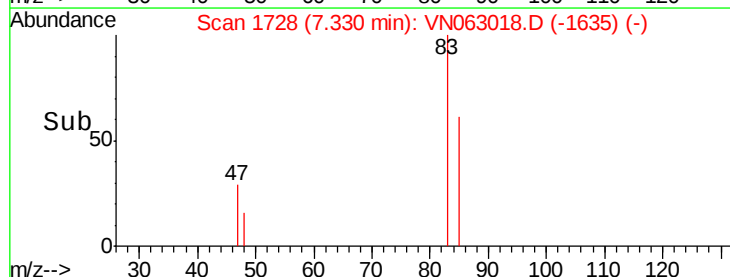
7.33

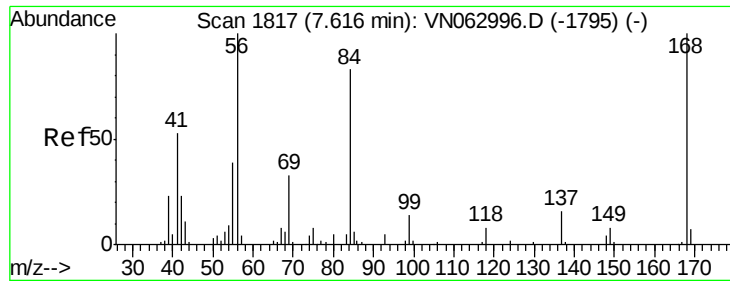
1000

500

0

Time--> 7.25 7.30 7.35 7.40

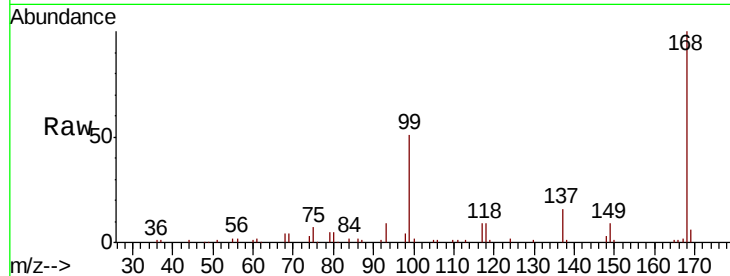




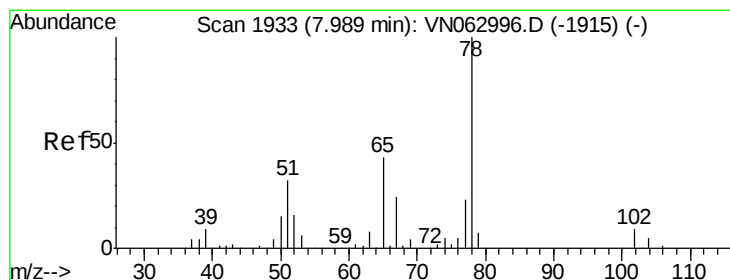
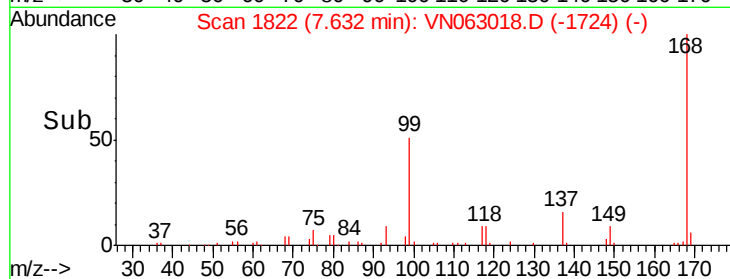
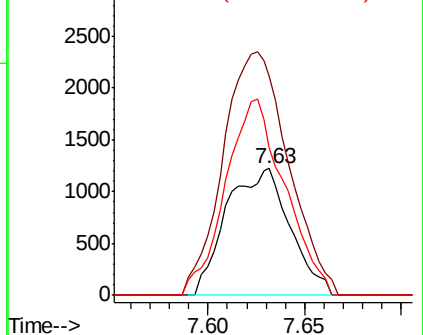
#31
Cyclohexane
Concen: 1.082 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.02 min
Lab File: VN063018.D
Acq: 19 Aug 2020 17:33

Instrument :
MSVOA_N
ClientSampleId :
AU-06-081720

Tot Ion: 56 Resp: 2793
Ion Ratio Lower Upper
56 100
69 172.3 26.6 40.0#
84 116.4 66.4 99.6#

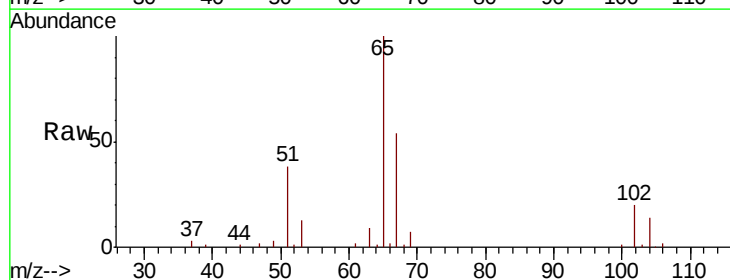


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

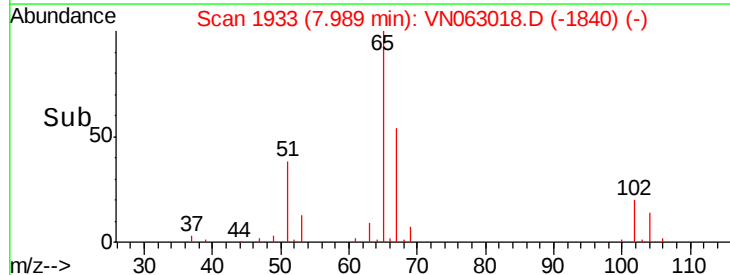
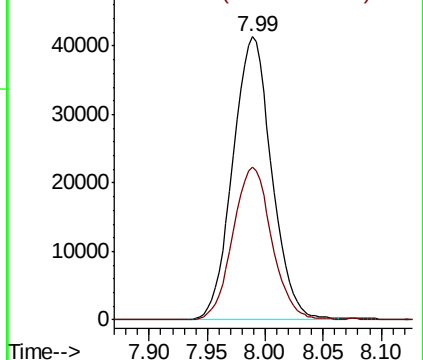


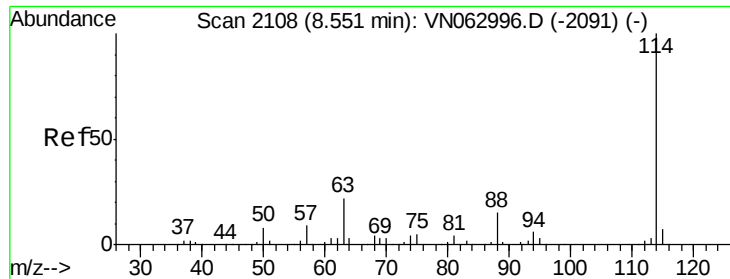
#33
1,2-Dichloroethane-d4
Concen: 55.182 ug/l
RT: 7.99 min Scan# 1933
Delta R.T. 0.00 min
Lab File: VN063018.D
Acq: 19 Aug 2020 17:33

Tgt Ion: 65 Resp: 96644
Ion Ratio Lower Upper
65 100
67 53.9 0.0 112.0



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: VN063018.D

Acq: 19 Aug 2020 17:33

Instrument :

MSVOA_N

ClientSampleId :

AU-06-081720

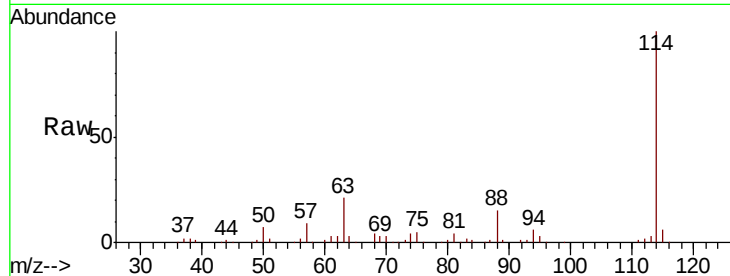
Tot Ion:114 Resp: 246733

Ion Ratio Lower Upper

114 100

63 20.7 0.0 43.2

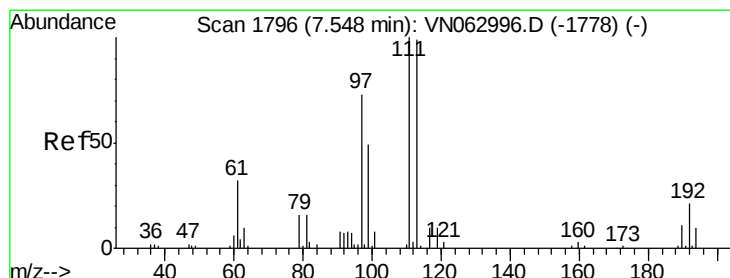
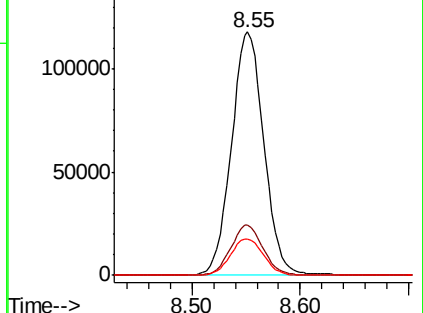
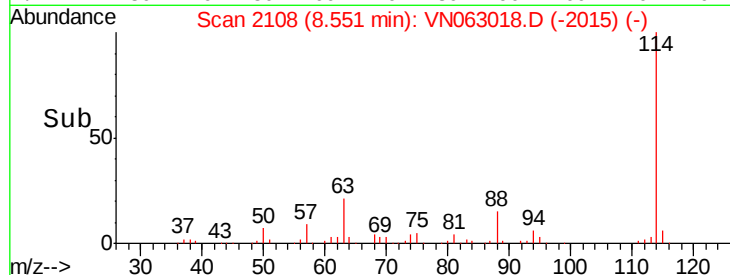
88 15.1 0.0 30.6



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: 52.972 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VN063018.D

Acq: 19 Aug 2020 17:33

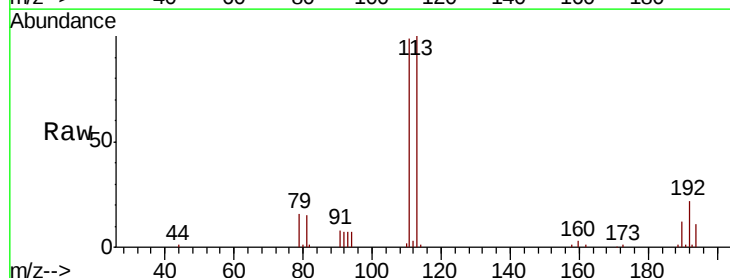
Tgt Ion:113 Resp: 85164

Ion Ratio Lower Upper

113 100

111 101.3 81.7 122.5

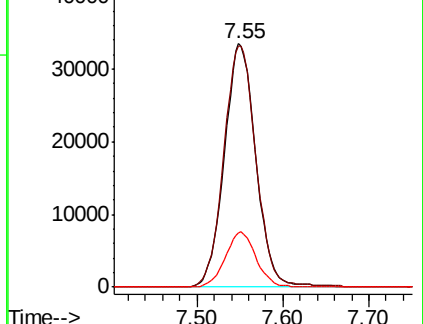
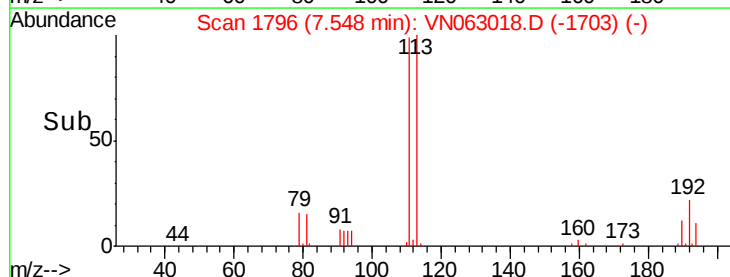
192 22.0 17.5 26.3

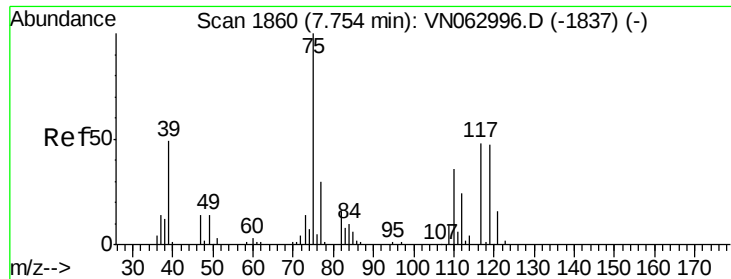


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.651 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.13 min

Lab File: VN063018.D

Acq: 19 Aug 2020 17:33

Instrument :

MSVOA_N

ClientSampleId :

AU-06-081720

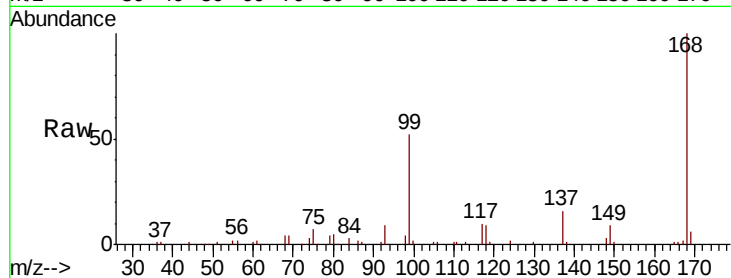
Tot Ion: 75 Resp: 10113

Ion Ratio Lower Upper

75 100

110 6.5 17.5 52.6#

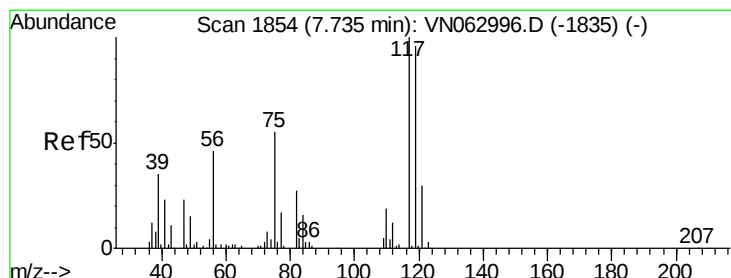
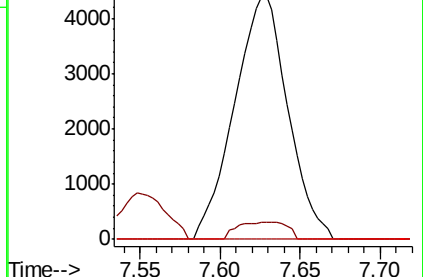
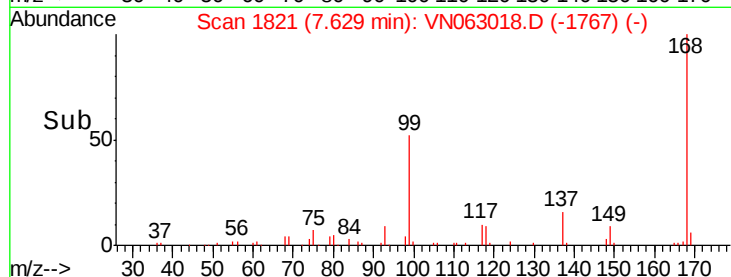
77 0.0 24.2 36.4#



Abundance Ion 74.90 (74.60 to 75.60): VN063018.D (-1767) (-)

Ion 109.90 (109.60 to 110.60): VN063018.D (-1767) (-)

Ion 76.90 (76.60 to 77.60): VN063018.D (-1767) (-)



#38

Carbon Tetrachloride

Concen: 6.110 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN063018.D

Acq: 19 Aug 2020 17:33

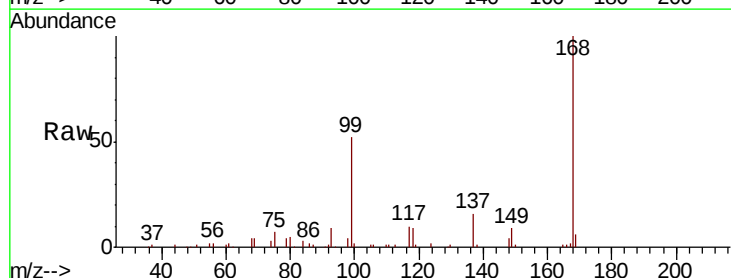
Tgt Ion: 117 Resp: 13413

Ion Ratio Lower Upper

117 100

119 7.2 76.2 114.4#

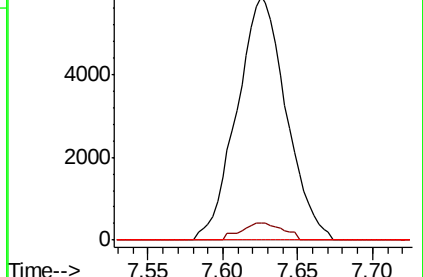
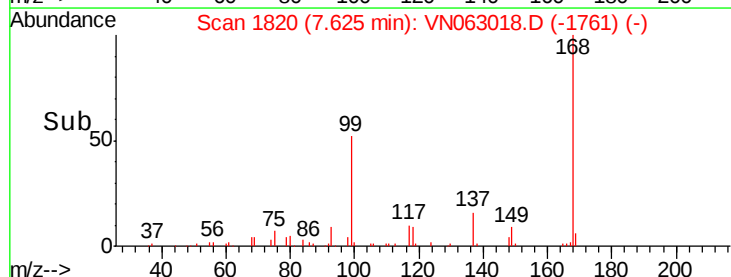
121 0.0 24.2 36.2#

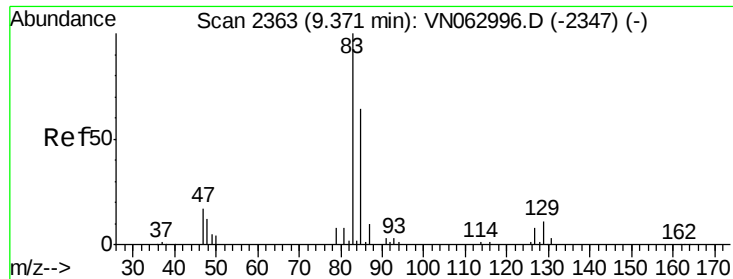


Abundance Ion 116.80 (116.50 to 117.50): VN063018.D (-1761) (-)

Ion 118.80 (118.50 to 119.50): VN063018.D (-1761) (-)

Ion 120.80 (120.50 to 121.50): VN063018.D (-1761) (-)





#47

Bromodichloromethane

Concen: 0.394 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. 0.00 min

Lab File: VN063018.D

Acq: 19 Aug 2020 17:33

Instrument :

MSVOA_N

ClientSampleId :

AU-06-081720

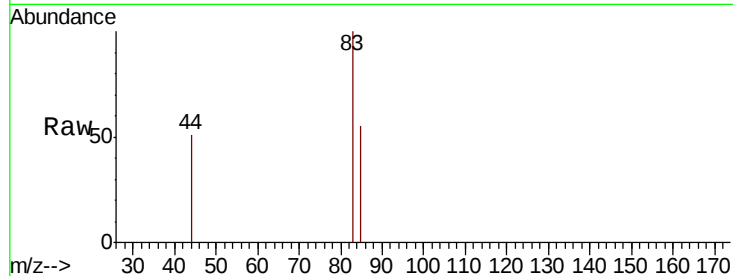
Tot Ion: 83 Resp: 993

Ion Ratio Lower Upper

83 100

85 54.5 51.1 76.7

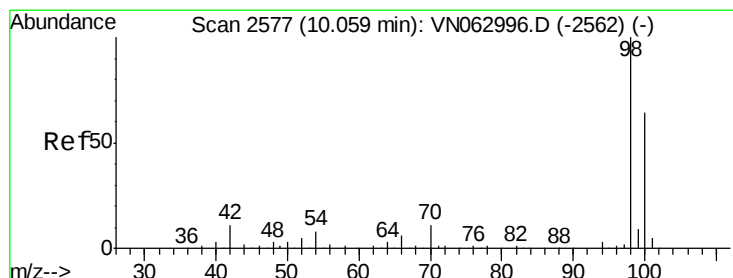
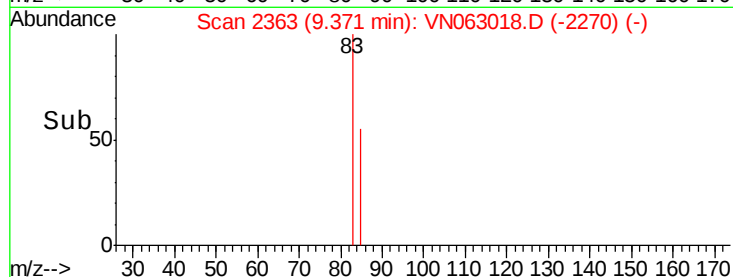
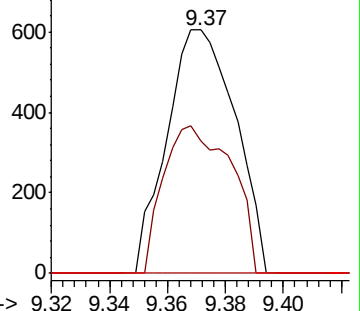
127 0.0 6.6 9.8#



Abundance Ion 82.90 (82.60 to 83.60): VN063018.D (-2270) (-)

Ion 84.90 (84.60 to 85.60): VN063018.D (-2270) (-)

Ion 126.80 (126.50 to 127.50): VN063018.D (-2270) (-)



#50

Toluene-d8

Concen: 51.181 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN063018.D

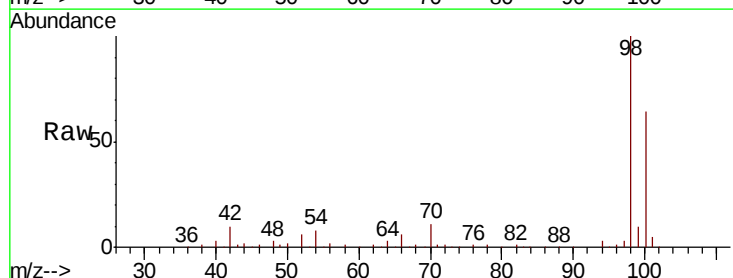
Acq: 19 Aug 2020 17:33

Tgt Ion: 98 Resp: 316055

Ion Ratio Lower Upper

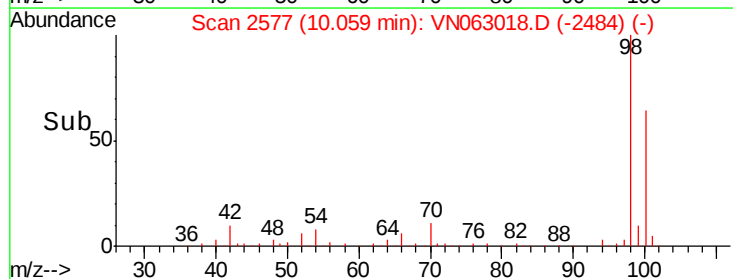
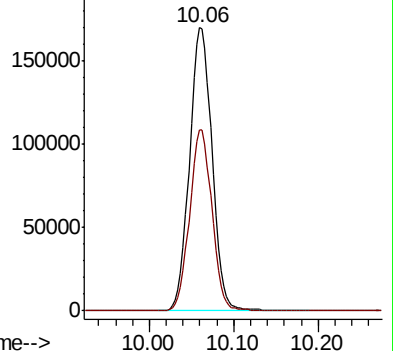
98 100

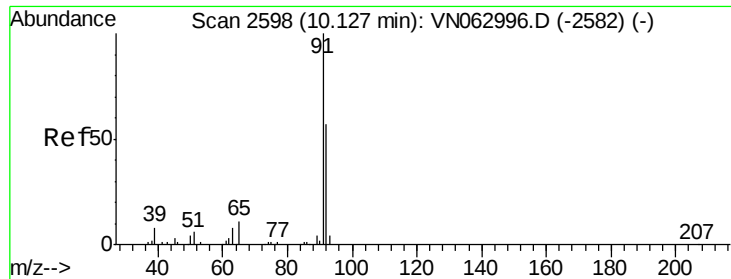
100 63.2 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN063018.D (-2484) (-)

Ion 100.00 (99.70 to 100.70): VN063018.D (-2484) (-)





#52

Toluene

Concen: 0.235 ug/l

RT: 10.12 min Scan# 2596

Delta R.T. -0.01 min

Lab File: VN063018.D

Acq: 19 Aug 2020 17:33

Instrument :

MSVOA_N

ClientSampleId :

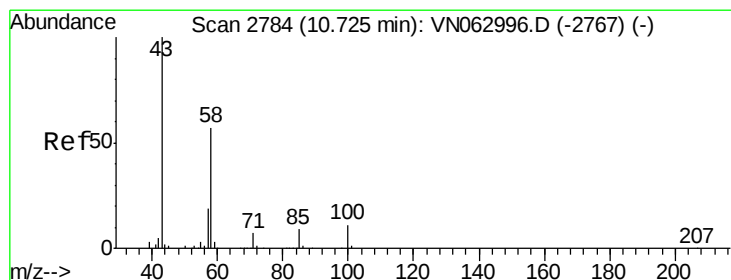
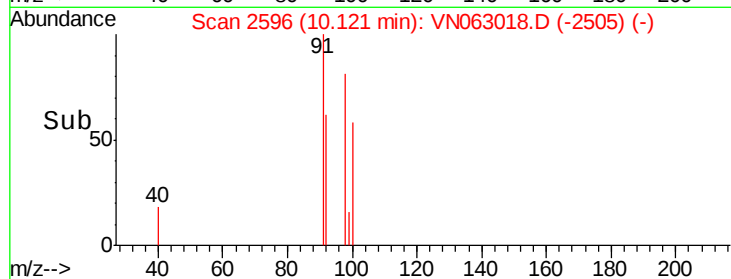
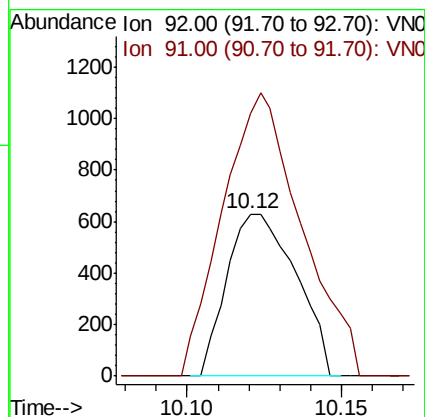
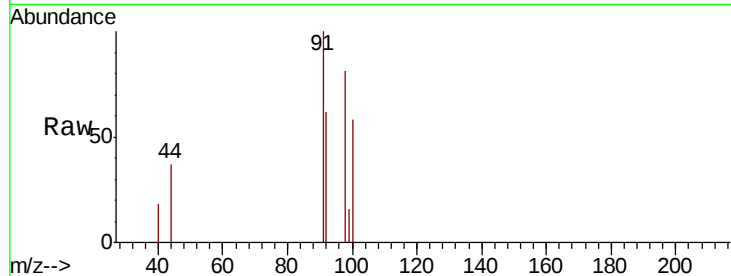
AU-06-081720

Tot Ion: 92 Resp: 978

Ion Ratio Lower Upper

92 100

91 199.4 139.2 208.8



#59

2-Hexanone

Concen: 0.252 ug/l

RT: 10.73 min Scan# 2787

Delta R.T. 0.01 min

Lab File: VN063018.D

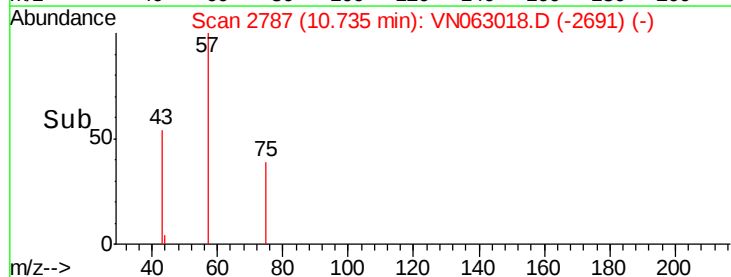
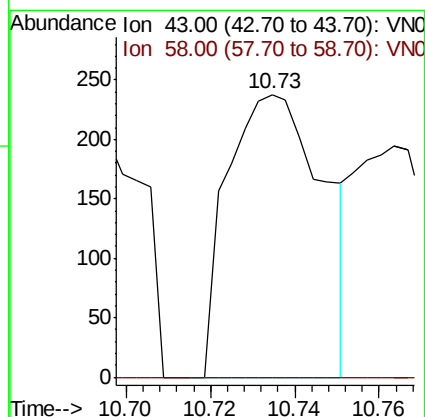
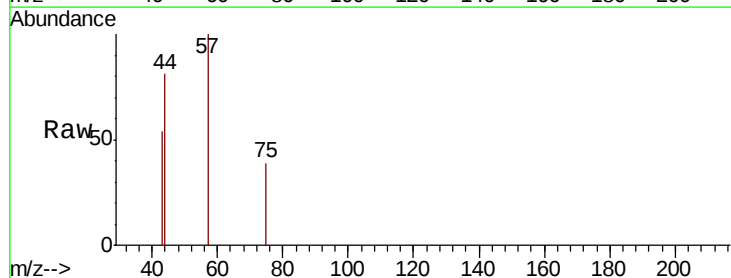
Acq: 19 Aug 2020 17:33

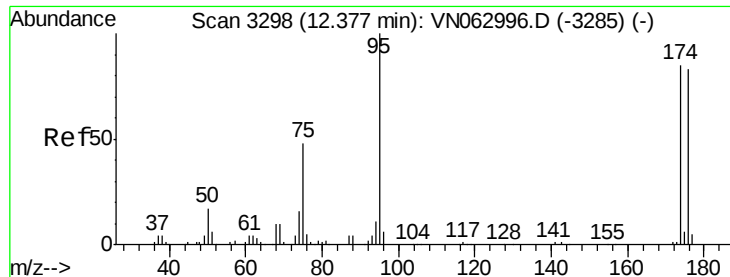
Tgt Ion: 43 Resp: 375

Ion Ratio Lower Upper

43 100

58 0.0 28.1 84.3#

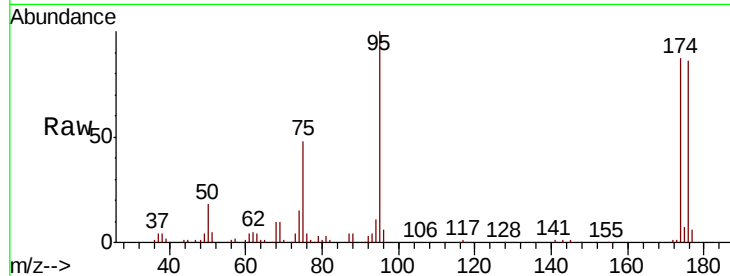




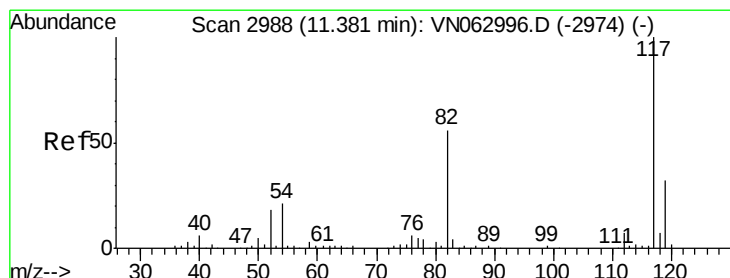
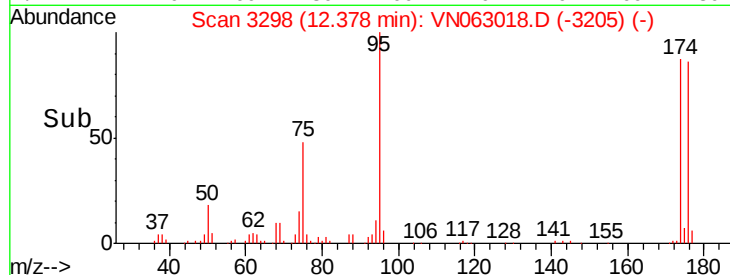
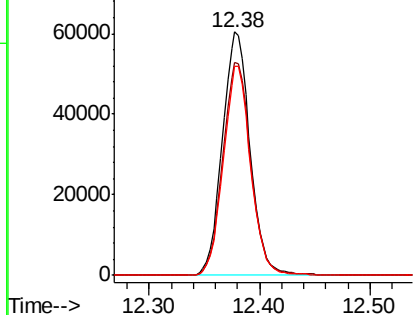
#62
4-Bromofluorobenzene
Concen: 48.240 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN063018.D
Acq: 19 Aug 2020 17:33

Instrument :
MSVOA_N
ClientSampleId :
AU-06-081720

Tot Ion: 95 Resp: 105122
Ion Ratio Lower Upper
95 100
174 88.6 0.0 170.8
176 85.1 0.0 164.8

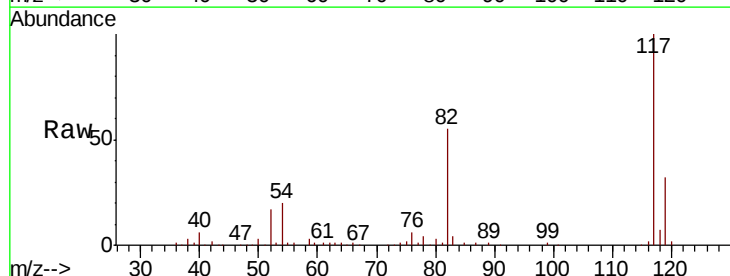


Abundance Ion 94.90 (94.60 to 95.60): VN062996.D (-3285) (-)
Ion 173.80 (173.50 to 174.50): VN062996.D (-3285) (-)
Ion 175.80 (175.50 to 176.50): VN062996.D (-3285) (-)

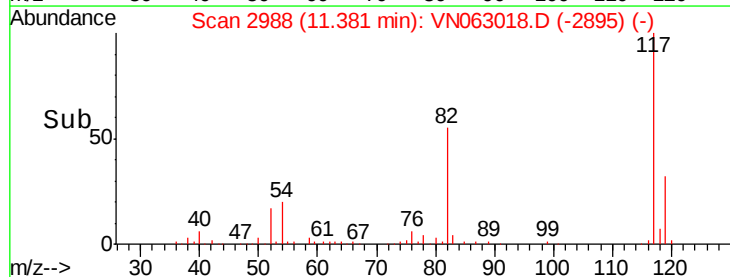
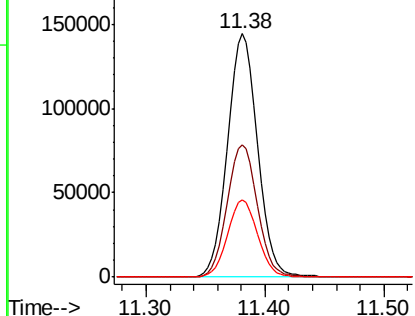


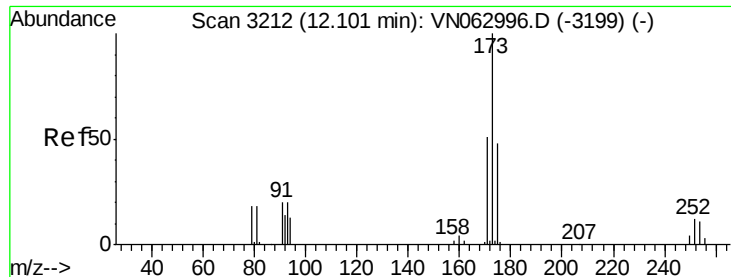
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN063018.D
Acq: 19 Aug 2020 17:33

Tgt Ion: 117 Resp: 252714
Ion Ratio Lower Upper
117 100
82 54.5 44.5 66.7
119 31.9 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): VN062996.D (-2974) (-)
Ion 82.00 (81.70 to 82.70): VN062996.D (-2974) (-)
Ion 118.90 (118.60 to 119.60): VN062996.D (-2974) (-)





#71

Bromoform

Concen: 0.612 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.28 min

Lab File: VN063018.D

Acq: 19 Aug 2020 17:33

Instrument :

MSVOA_N

ClientSampled :

AU-06-081720

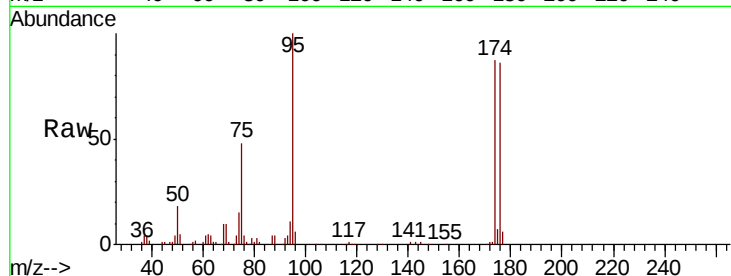
Tot Ion:173 Resp: 961

Ion Ratio Lower Upper

173 100

175 567.2 24.3 72.8#

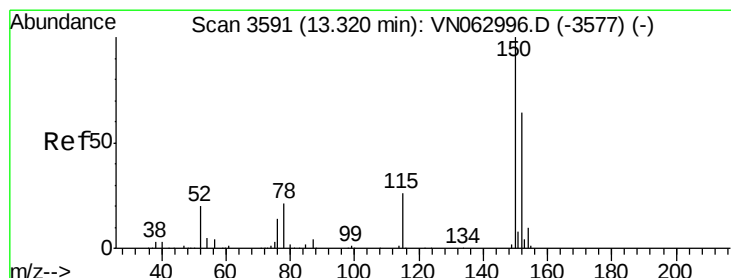
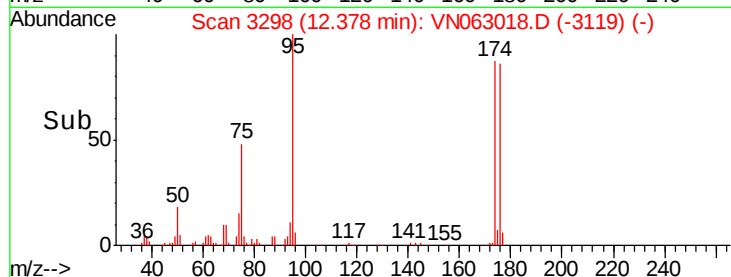
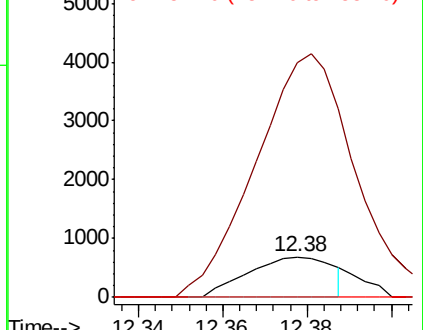
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): 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: VN063018.D

Acq: 19 Aug 2020 17:33

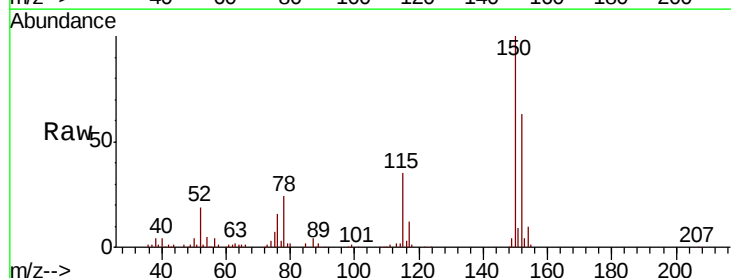
Tgt Ion:152 Resp: 92242

Ion Ratio Lower Upper

152 100

115 55.8 28.7 86.3

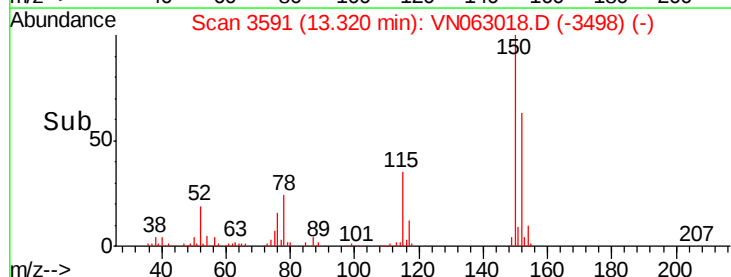
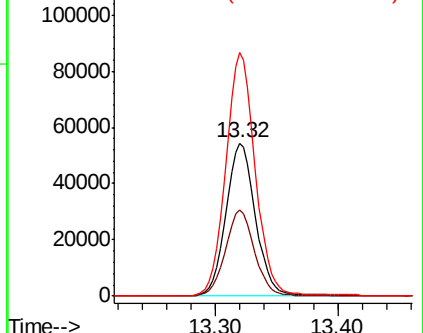
150 158.8 0.0 348.8

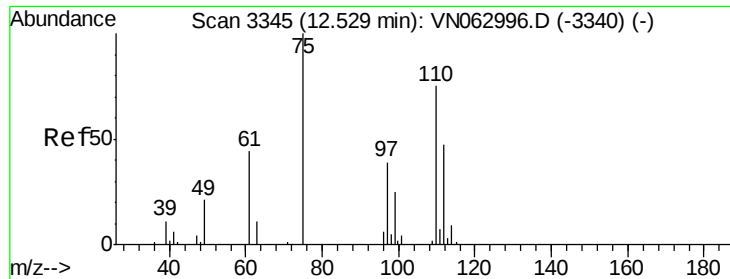


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

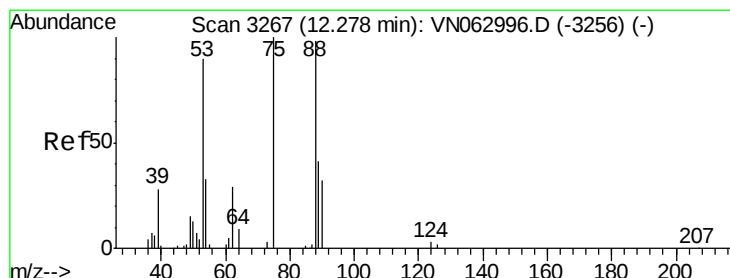
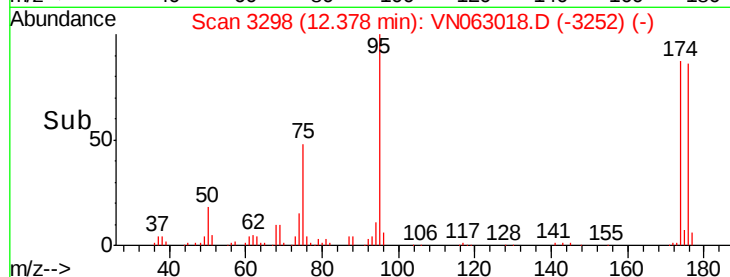
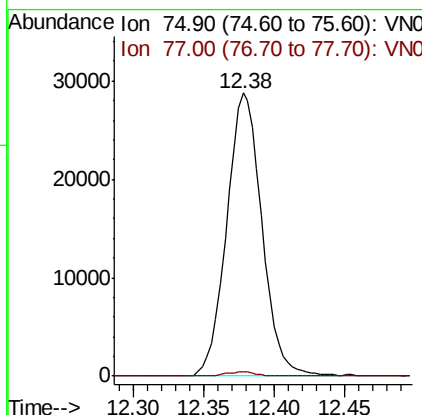
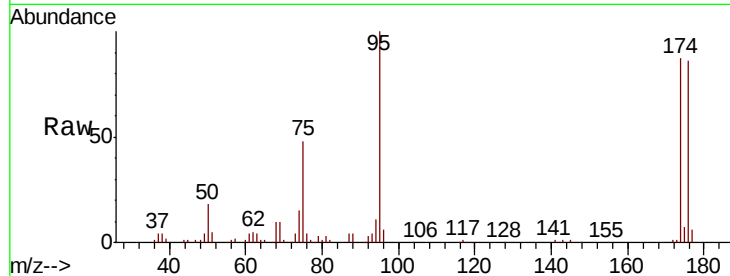




#76
 1,2,3-Trichloropropane
 Concen: 27.952 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.15 min
 Lab File: VN063018.D
 Acq: 19 Aug 2020 17:33

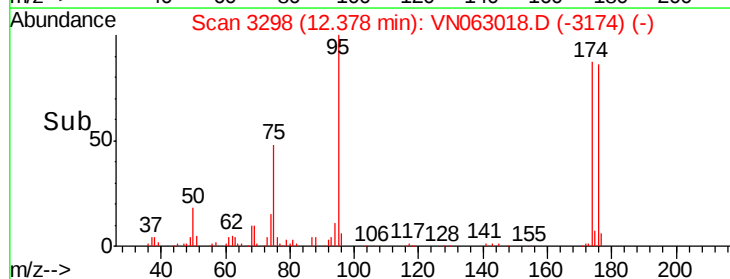
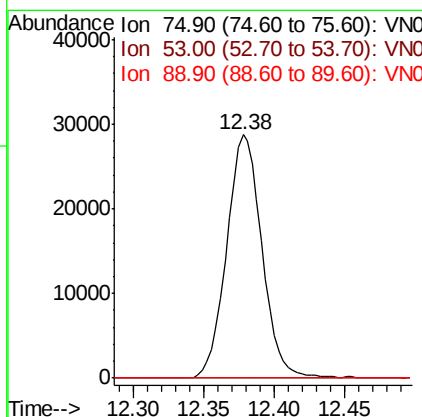
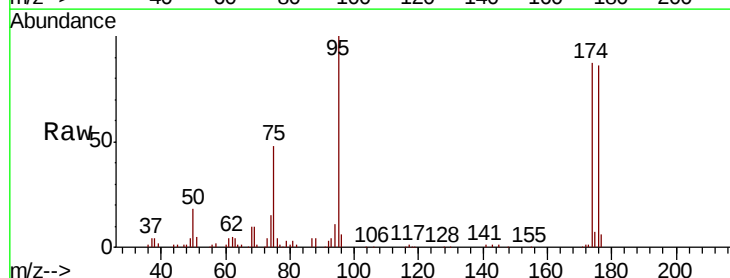
Instrument :
 MSVOA_N
 ClientSampleId :
 AU-06-081720

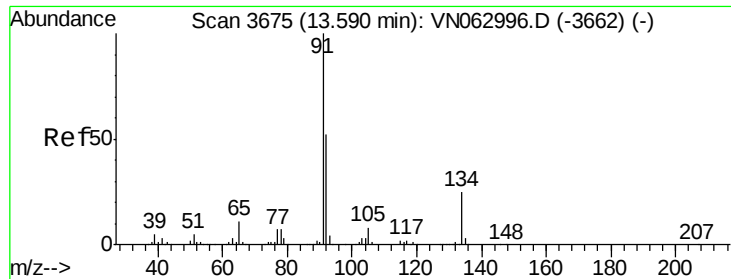
Tot Ion: 75 Resp: 50118
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 76.770 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.10 min
 Lab File: VN063018.D
 Acq: 19 Aug 2020 17:33

Tgt Ion: 75 Resp: 50118
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.2 103.8#
 89 0.0 34.2 51.4#





#89

n-Butylbenzene

Concen: 2.789 ug/l

RT: 13.60 min Scan# 3679

Delta R.T. 0.01 min

Lab File: VN063018.D

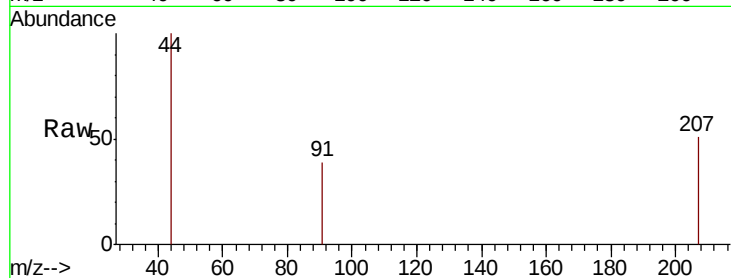
Acq: 19 Aug 2020 17:33

Instrument :

MSVOA_N

ClientSampleId :

AU-06-081720



Tot Ion:	91	Resp:	98
Ion	Ratio	Lower	Upper
91	100		
92	0.0	25.9	77.6#
134	0.0	12.4	37.0#

