

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN063020\
 Data File : VN062258.D
 Acq On : 30 Jun 2020 23:53
 Operator : JC/MD
 Sample : VN0630WBL02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0630WBL02

Quant Time: Jul 01 03:40:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 15:33:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	188942	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	366676	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	347781	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	122243	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	146022	55.07	ug/l	0.00
Spiked Amount			Recovery	=	110.14%	
35) Dibromofluoromethane	7.55	113	119537	50.81	ug/l	0.00
Spiked Amount			Recovery	=	101.62%	
50) Toluene-d8	10.06	98	466774	49.64	ug/l	0.00
Spiked Amount			Recovery	=	99.28%	
62) 4-Bromofluorobenzene	12.38	95	147795	46.52	ug/l	0.00
Spiked Amount			Recovery	=	93.04%	

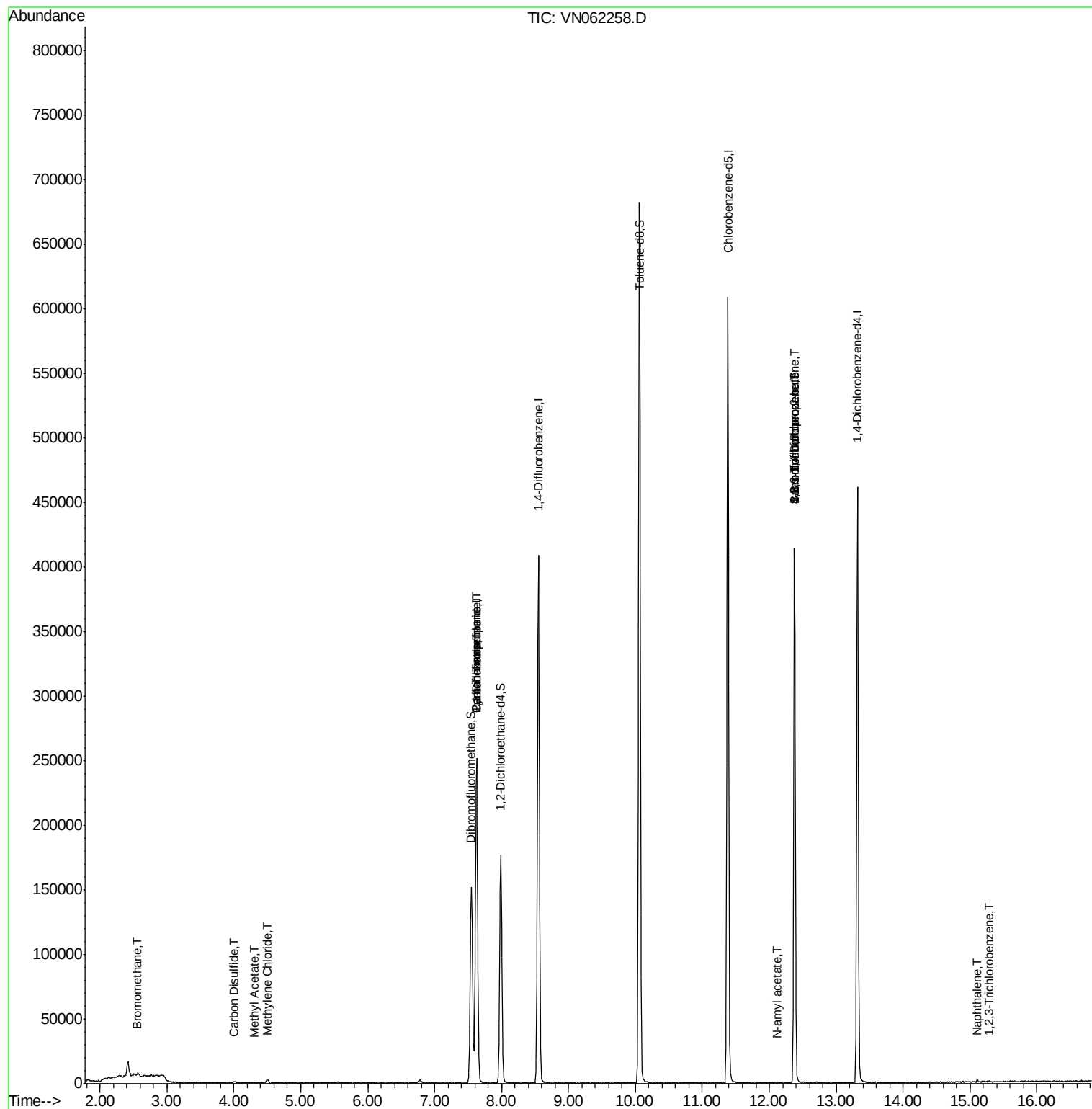
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	475	Below Cal	#	72
5) Bromomethane	2.55	94	604	0.278	ug/l	87
16) Acetone	3.77	43	137	Below Cal	#	40
17) Carbon Disulfide	4.01	76	2498	0.452	ug/l #	75
18) Methyl Acetate	4.30	43	493	0.234	ug/l #	46
20) Methylene Chloride	4.51	84	1459	0.384	ug/l	92
31) Cyclohexane	7.63	56	4996	1.364	ug/l #	33
36) 1,1-Dichloropropene	7.63	75	17416	4.725	ug/l #	47
38) Carbon Tetrachloride	7.63	117	20388	5.867	ug/l #	15
71) Bromoform	12.37	173	407	0.217	ug/l #	28
74) N-amyl acetate	12.11	43	65	3.361	ug/l #	38
76) 1,2,3-Trichloropropane	12.38	75	77105	26.794	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	77105	78.248	ug/l #	13
95) Naphthalene	15.11	128	1673	4.259	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.30	180	367	0.205	ug/l #	76

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

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Quant Title : SW846 8260
QLast Update : Wed Jun 24 15:33:00 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: VN062258.D

Acq: 30 Jun 2020 23:53

Instrument :

MSVOA_N

ClientSampleId :

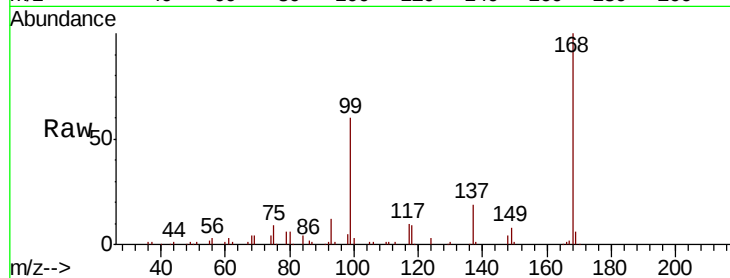
VN0630WBL02

Tot Ion:168 Resp: 188942

Ion Ratio Lower Upper

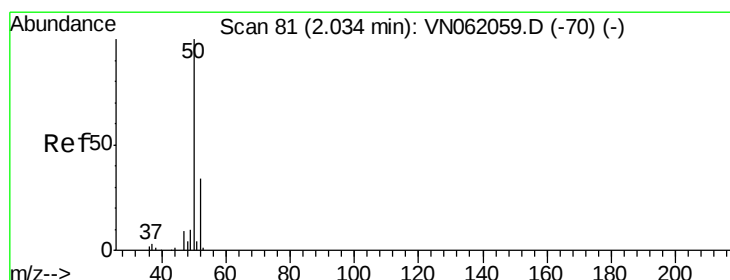
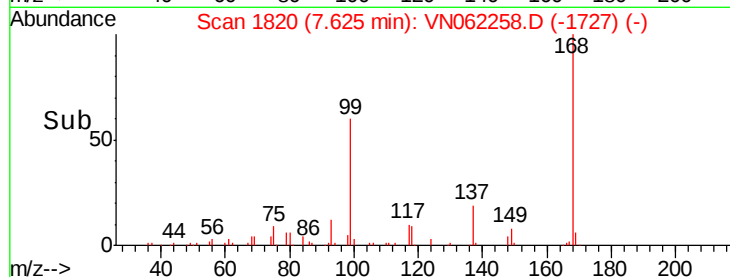
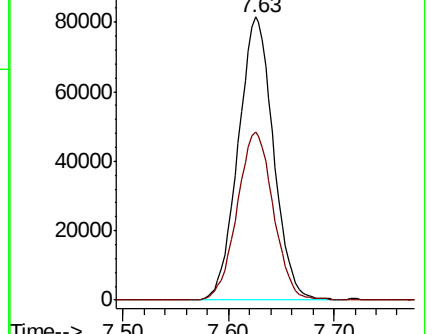
168 100

99 59.5 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#3

Chloromethane

Concen: Below Cal

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN062258.D

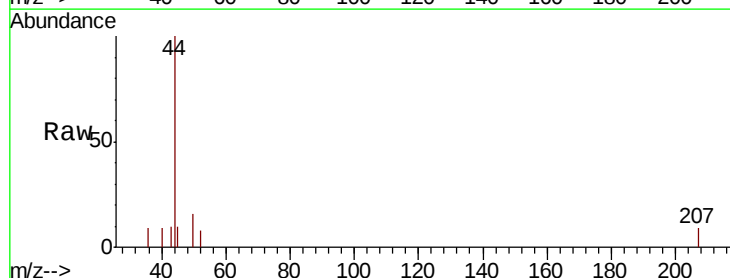
Acq: 30 Jun 2020 23:53

Tgt Ion: 50 Resp: 475

Ion Ratio Lower Upper

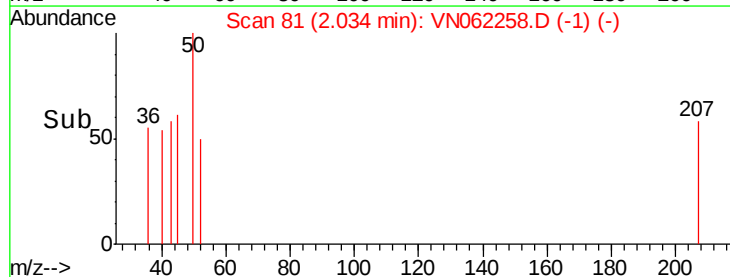
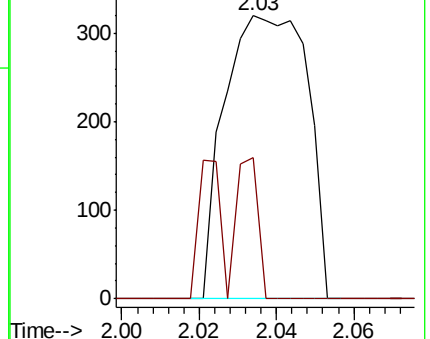
50 100

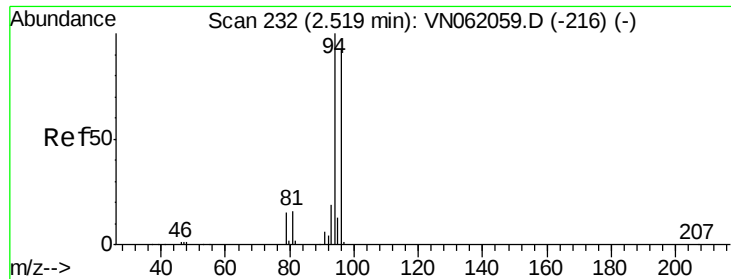
52 49.7 27.0 40.6#



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN





#5

Bromomethane

Concen: 0.278 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.03 min

Lab File: VN062258.D

Acq: 30 Jun 2020 23:53

Instrument :

MSVOA_N

ClientSampleId :

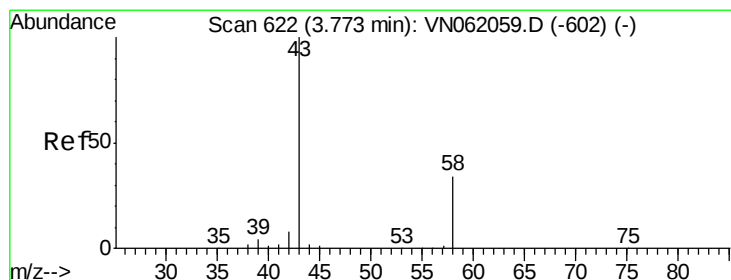
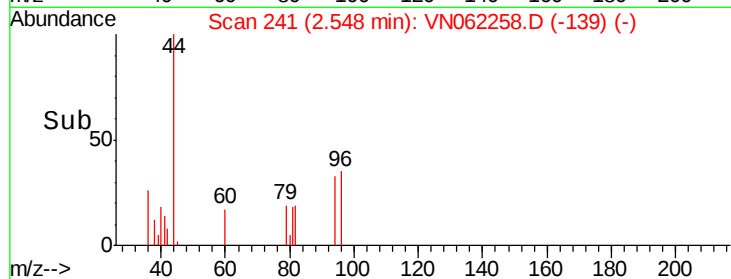
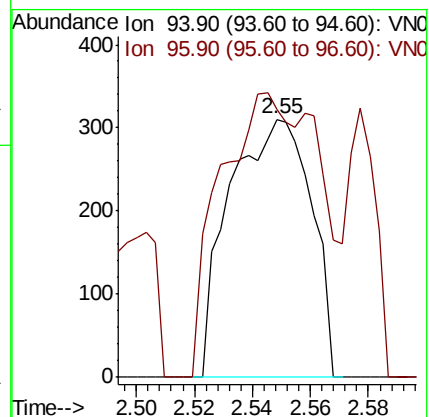
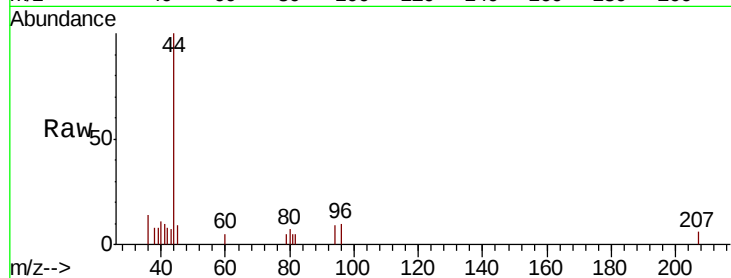
VN0630WBL02

Tot Ion: 94 Resp: 604

Ion Ratio Lower Upper

94 100

96 103.9 73.4 110.2



#16

Acetone

Concen: Below Cal

RT: 3.77 min Scan# 620

Delta R.T. -0.01 min

Lab File: VN062258.D

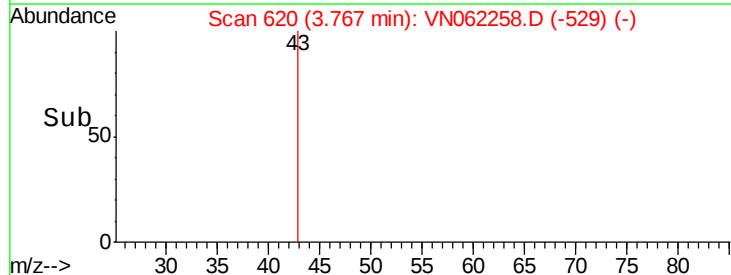
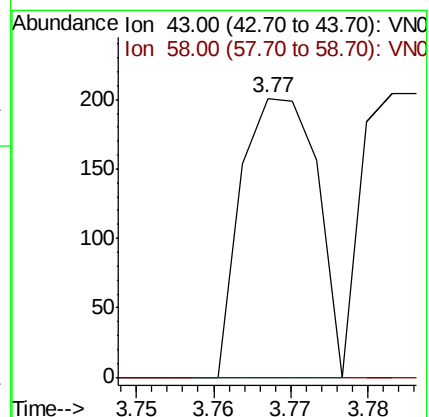
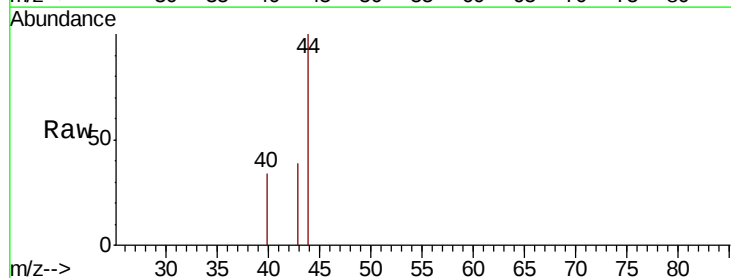
Acq: 30 Jun 2020 23:53

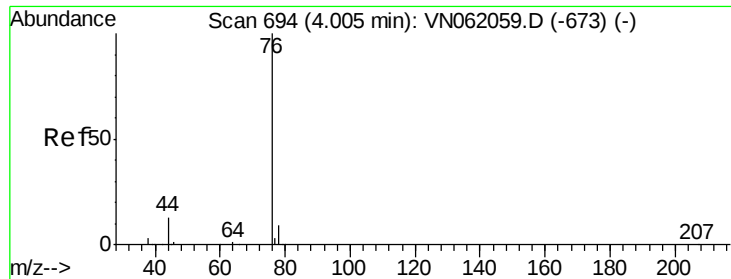
Tgt Ion: 43 Resp: 137

Ion Ratio Lower Upper

43 100

58 0.0 27.5 41.3#





#17

Carbon Disulfide

Concen: 0.452 ug/l

RT: 4.01 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN062258.D

Acq: 30 Jun 2020 23:53

Instrument :

MSVOA_N

ClientSampleId :

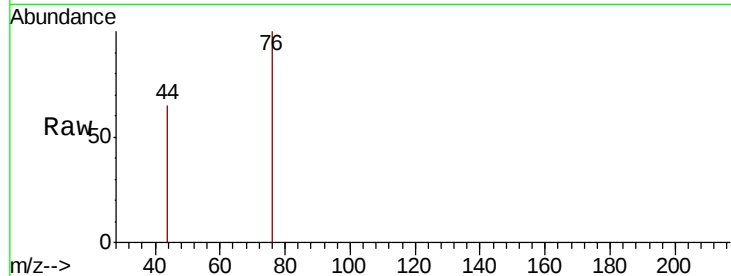
VN0630WBL02

Tot Ion: 76 Resp: 2498

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VN062059.D (-673) (-)

Ion 77.90 (77.60 to 78.60): VN062059.D (-673) (-)

4.01

1000

800

600

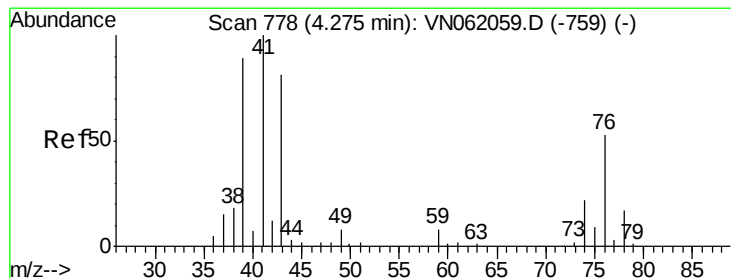
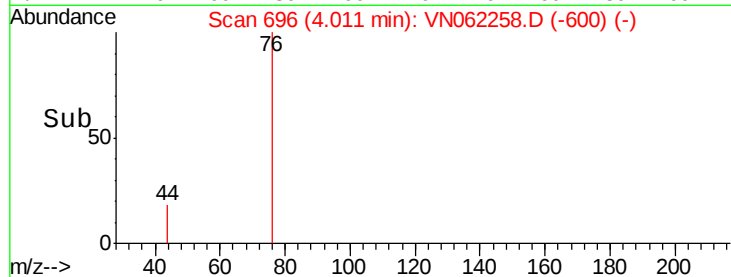
400

200

0

3.95 4.00 4.05

Time-->



#18

Methyl Acetate

Concen: 0.234 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.03 min

Lab File: VN062258.D

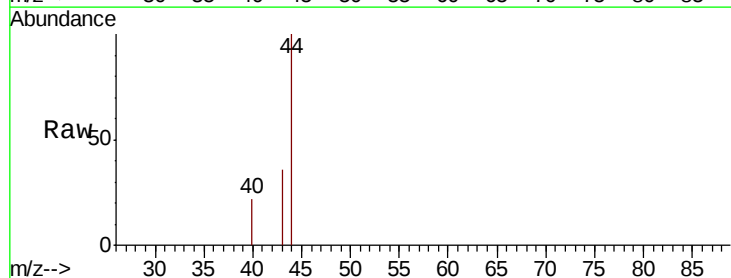
Acq: 30 Jun 2020 23:53

Tgt Ion: 43 Resp: 493

Ion Ratio Lower Upper

43 100

74 0.0 22.9 34.3#



Abundance Ion 43.00 (42.70 to 43.70): VN062059.D (-759) (-)

Ion 74.00 (73.70 to 74.70): VN062059.D (-759) (-)

4.30

300

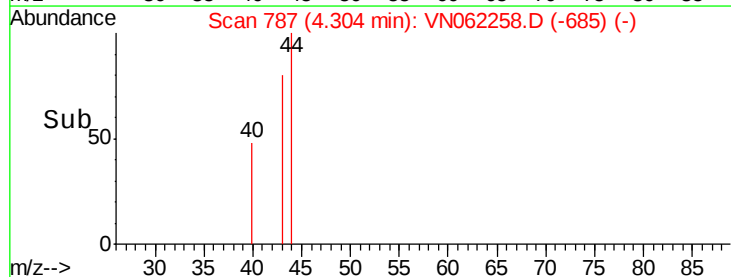
200

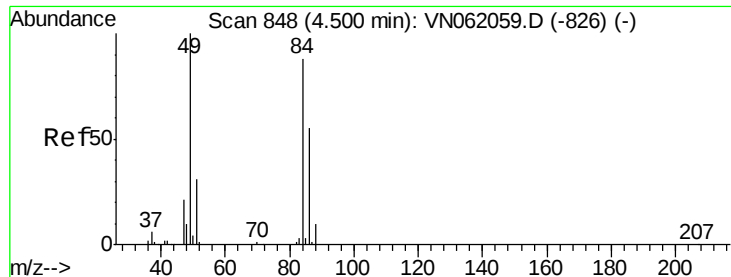
100

0

4.26 4.28 4.30 4.32

Time-->

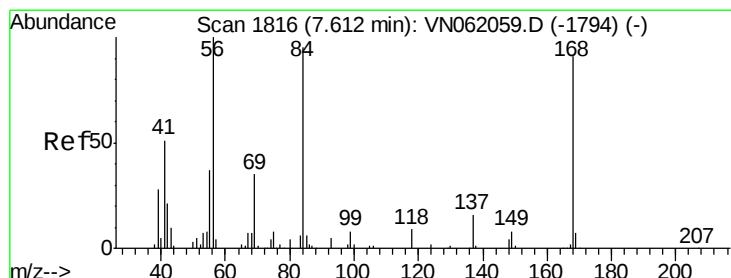
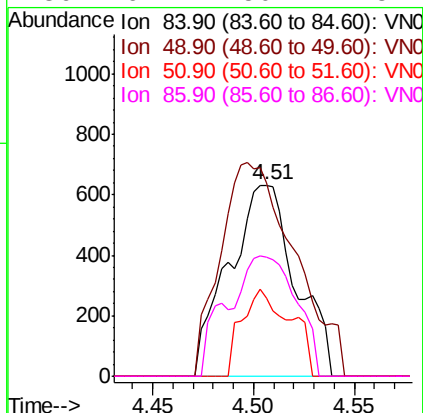
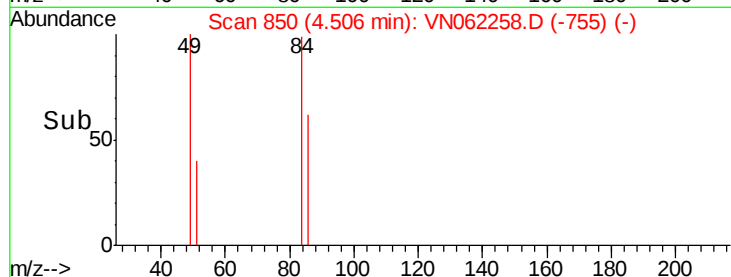
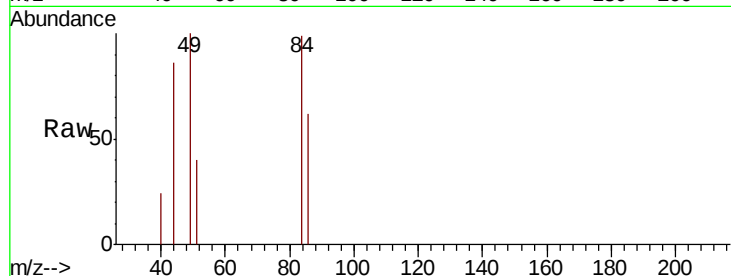




#20
Methvlene Chloride
Concen: 0.384 ug/l
RT: 4.51 min Scan# 850
Delta R.T. 0.01 min
Lab File: VN062258.D
Acq: 30 Jun 2020 23:53

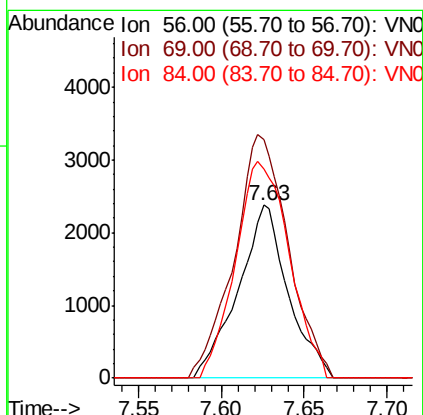
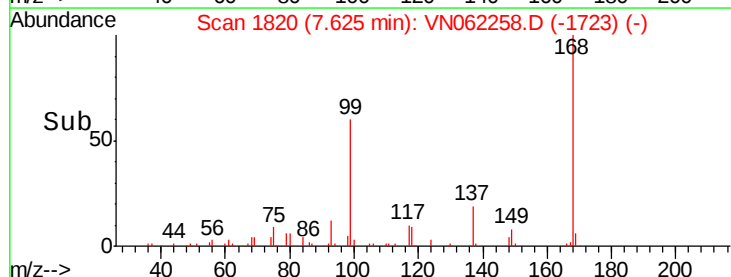
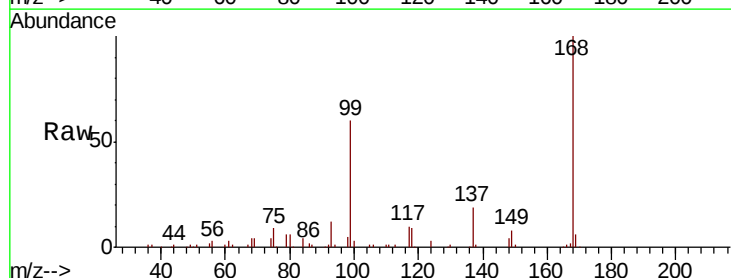
Instrument :
MSVOA_N
ClientSampled :
VN0630WBL02

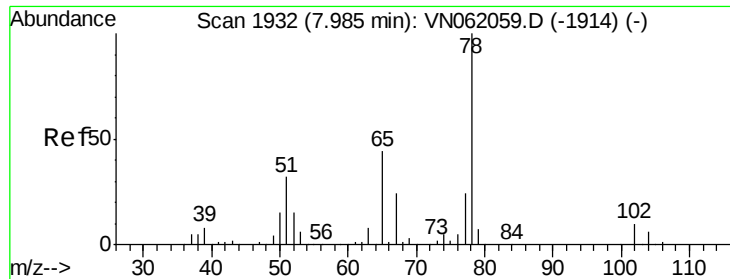
Tot Ion:	84	Resp:	1459
Ion	Ratio	Lower	Upper
84	100		
49	100.9	90.6	136.0
51	40.7	27.8	41.8
86	62.2	50.1	75.1



#31
Cyclohexane
Concen: 1.364 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. 0.01 min
Lab File: VN062258.D
Acq: 30 Jun 2020 23:53

Tgt Ion:	56	Resp:	4996
Ion	Ratio	Lower	Upper
56	100		
69	137.5	28.0	42.0#
84	120.9	76.1	114.1#





#33

1,2-Dichloroethane-d4

Concen: 55.072 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN062258.D

Acq: 30 Jun 2020 23:53

Instrument :

MSVOA_N

ClientSampleId :

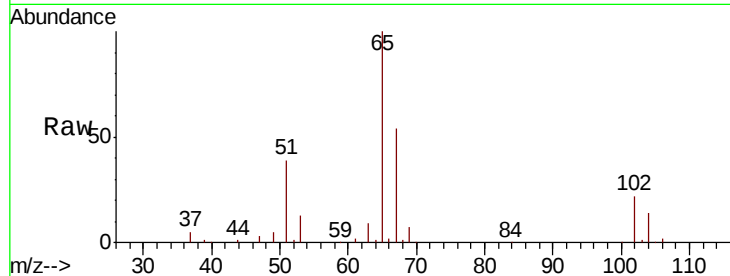
VN0630WBL02

Tot Ion: 65 Resp: 146022

Ion Ratio Lower Upper

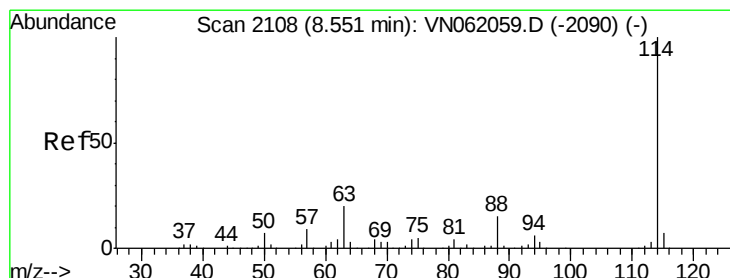
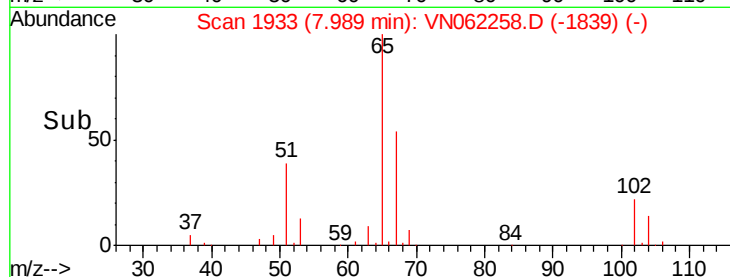
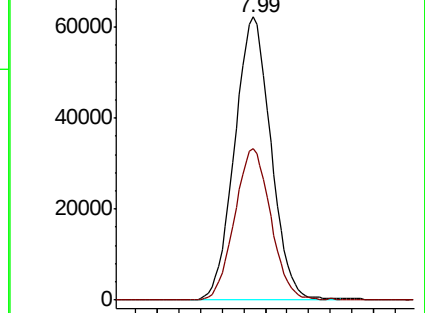
65 100

67 53.0 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VN062059.D (-1914) (-)

Ion 66.90 (66.60 to 67.60): VN062059.D (-1914) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. 0.00 min

Lab File: VN062258.D

Acq: 30 Jun 2020 23:53

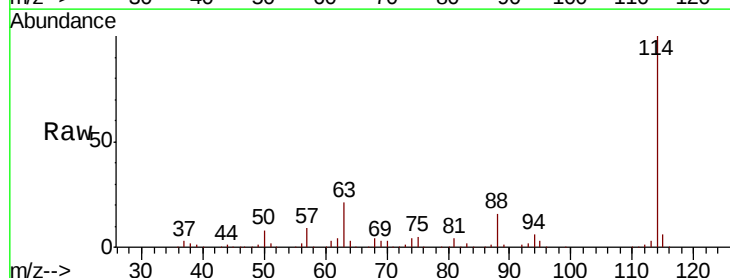
Tgt Ion: 114 Resp: 366676

Ion Ratio Lower Upper

114 100

63 20.7 0.0 39.2

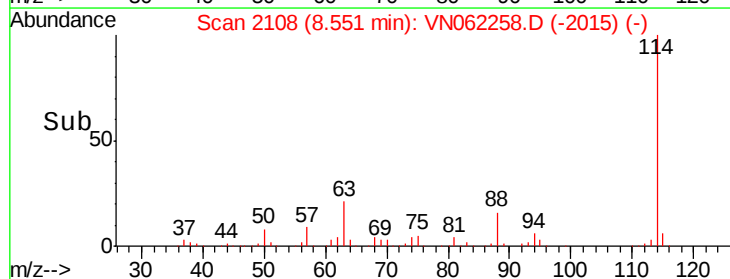
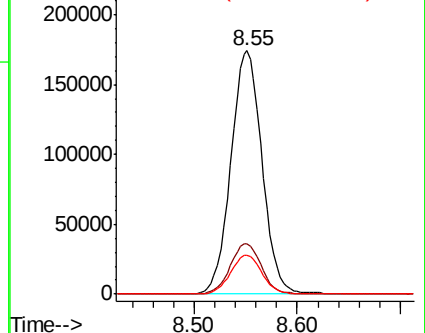
88 16.1 0.0 30.8

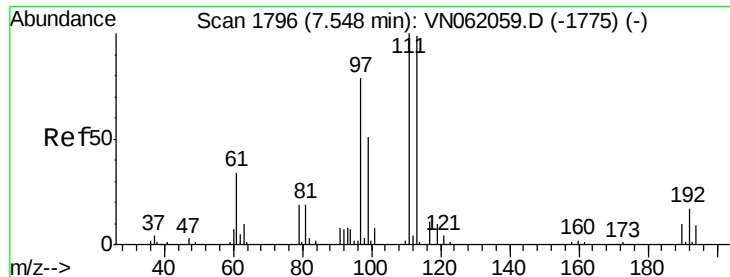


Abundance Ion 113.90 (113.60 to 114.60): VN062059.D (-2090) (-)

Ion 63.00 (62.70 to 63.70): VN062059.D (-2090) (-)

Ion 87.90 (87.60 to 88.60): VN062059.D (-2090) (-)

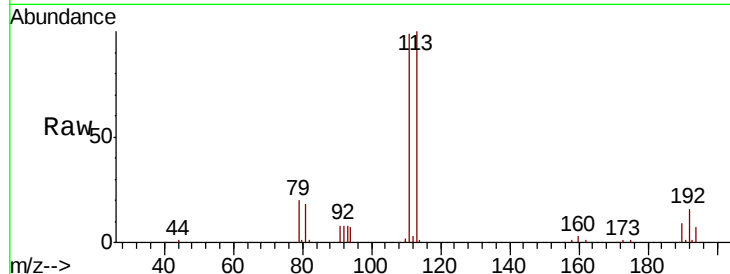




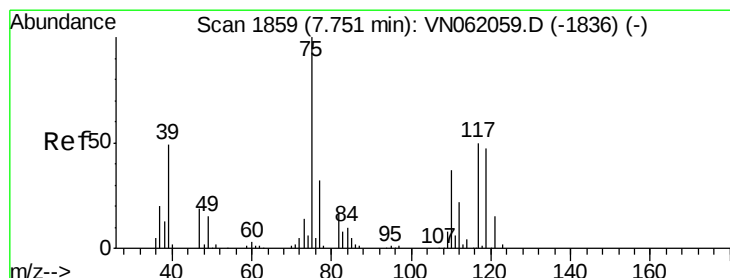
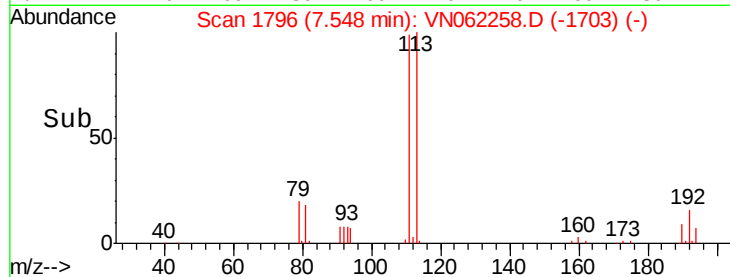
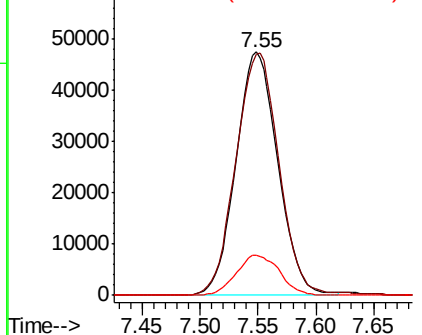
#35
 Dibromofluoromethane
 Concen: 50.815 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN062258.D
 Acq: 30 Jun 2020 23:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0630WBL02

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.2	123.4
192	16.9	14.0	21.0

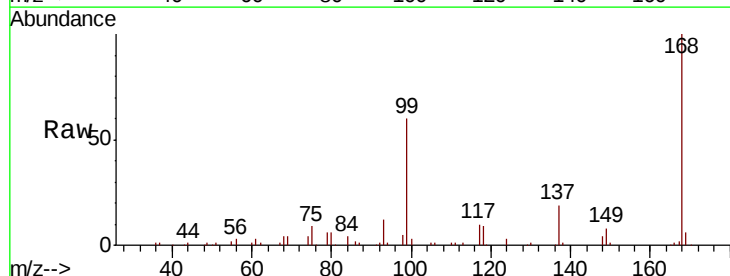


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

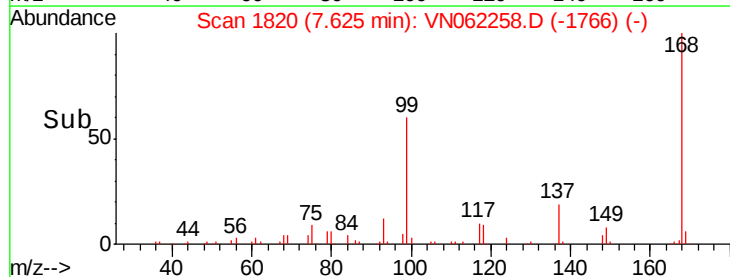
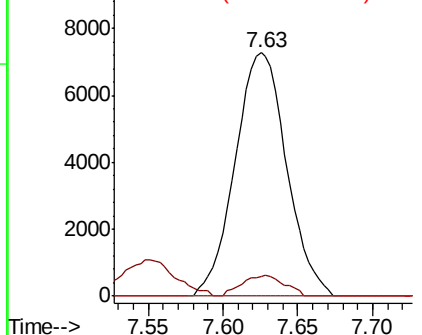


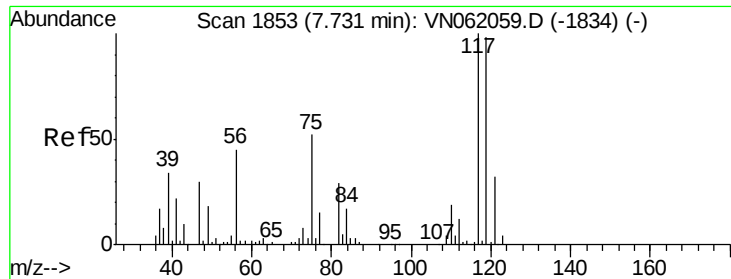
#36
 1,1-Dichloropropene
 Concen: 4.725 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062258.D
 Acq: 30 Jun 2020 23:53

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.0	17.9	53.8#
77	0.0	24.9	37.3#



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





#38

Carbon Tetrachloride

Concen: 5.867 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN062258.D

Acq: 30 Jun 2020 23:53

Instrument :

MSVOA_N

ClientSampleId :

VN0630WBL02

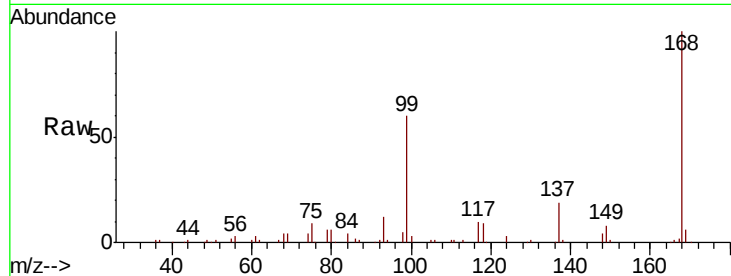
Tot Ion:117 Resp: 20388

Ion Ratio Lower Upper

117 100

119 4.8 78.2 117.2#

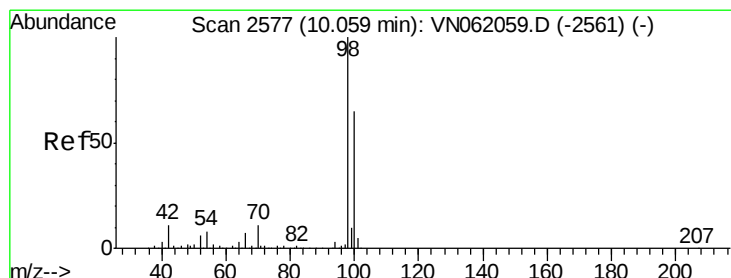
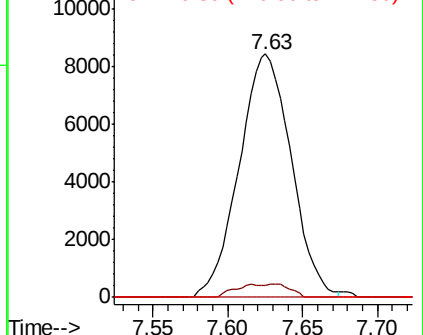
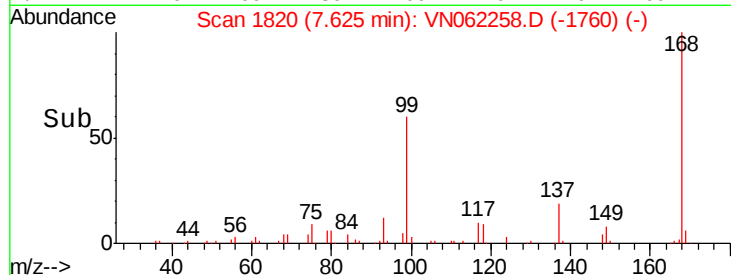
121 0.0 25.8 38.6#



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: 49.639 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN062258.D

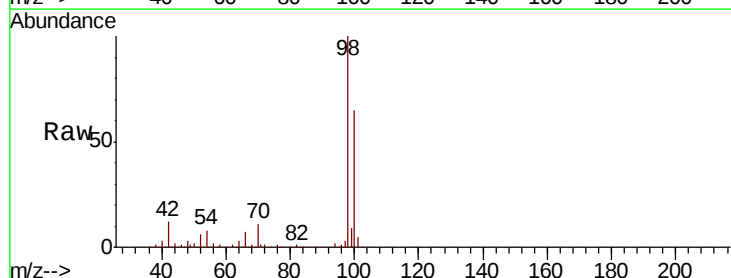
Acq: 30 Jun 2020 23:53

Tgt Ion: 98 Resp: 466774

Ion Ratio Lower Upper

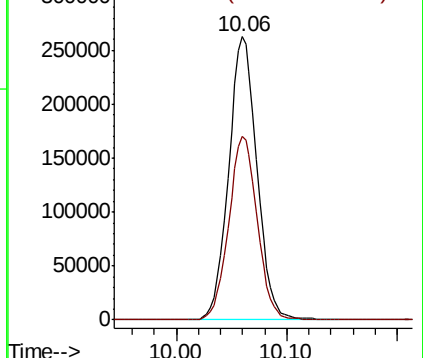
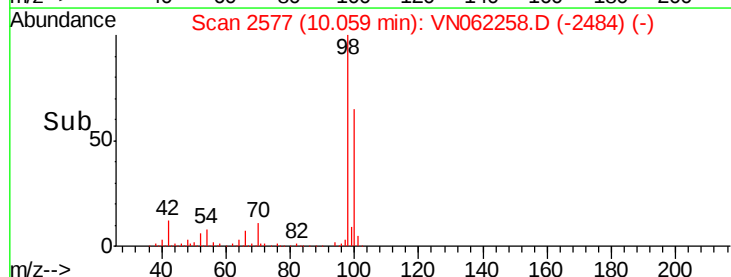
98 100

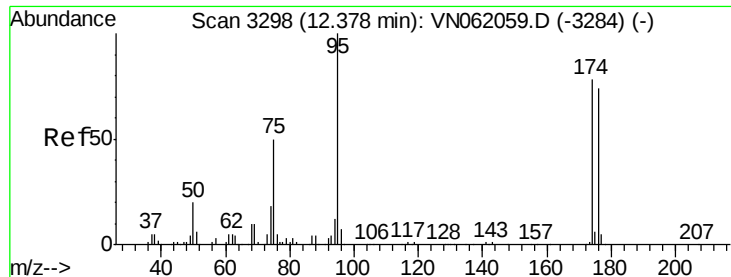
100 65.4 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

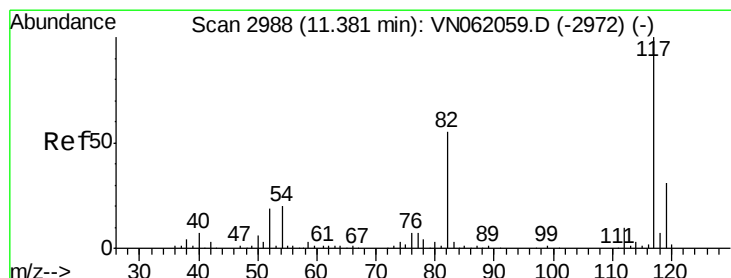
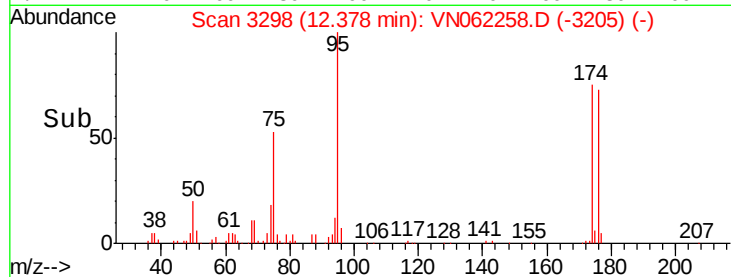
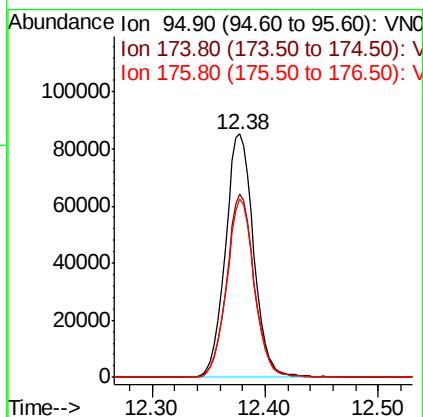
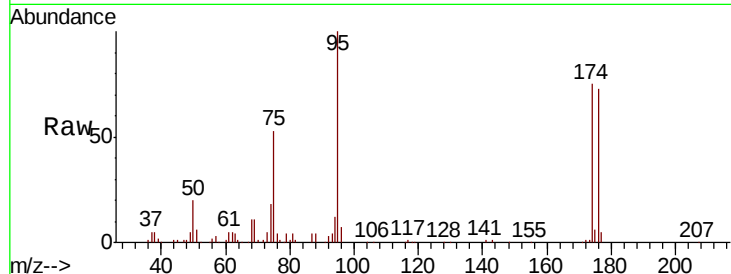




#62
4-Bromofluorobenzene
Concen: 46.520 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN062258.D
Acq: 30 Jun 2020 23:53

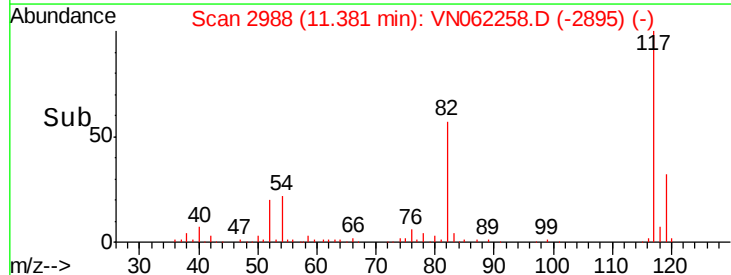
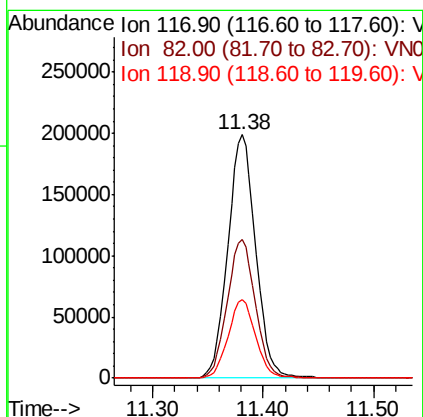
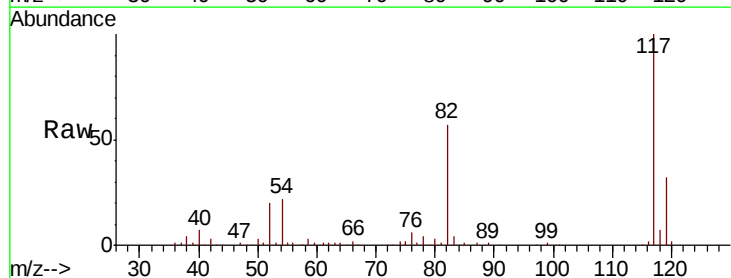
Instrument :
MSVOA_N
ClientSampleId :
VN0630WBL02

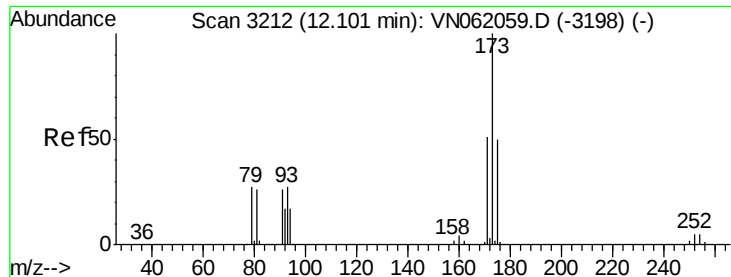
Tot Ion: 95 Resp: 147795
Ion Ratio Lower Upper
95 100
174 73.4 0.0 154.8
176 71.5 0.0 147.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062258.D
Acq: 30 Jun 2020 23:53

Tgt Ion: 117 Resp: 347781
Ion Ratio Lower Upper
117 100
82 56.7 43.8 65.8
119 32.3 25.2 37.8





#71

Bromoform

Concen: 0.217 ug/l

RT: 12.37 min Scan# 3295

Delta R.T. 0.27 min

Lab File: VN062258.D

Acq: 30 Jun 2020 23:53

Instrument :

MSVOA_N

ClientSampleId :

VN0630WBL02

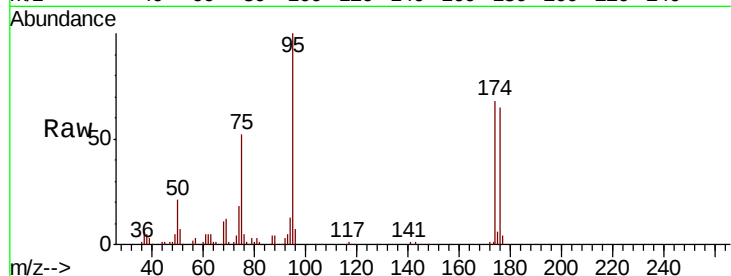
Tot Ion:173 Resp: 407

Ion Ratio Lower Upper

173 100

175 0.0 24.7 74.1#

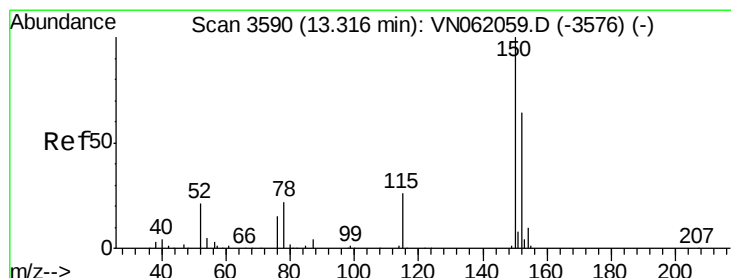
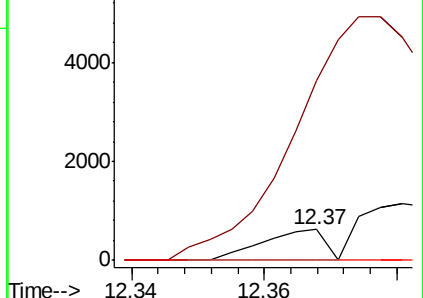
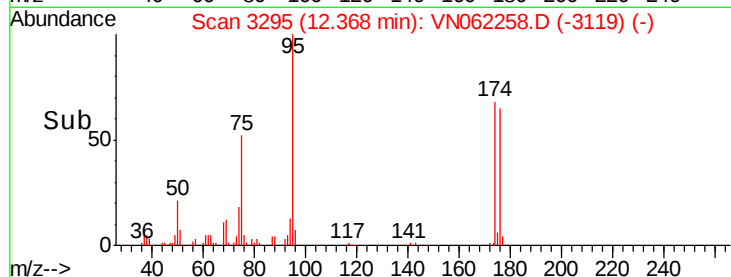
254 0.0 0.0 0.0



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: VN062258.D

Acq: 30 Jun 2020 23:53

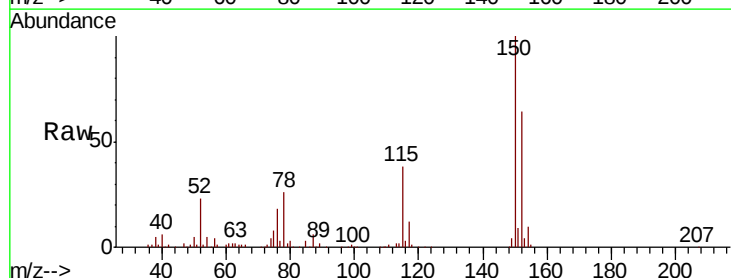
Tgt Ion:152 Resp: 122243

Ion Ratio Lower Upper

152 100

115 61.2 29.5 88.5

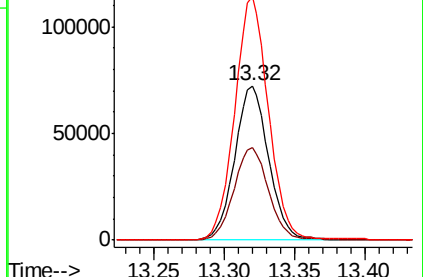
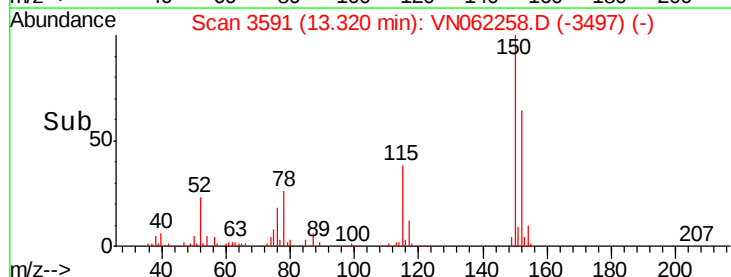
150 156.5 0.0 351.4

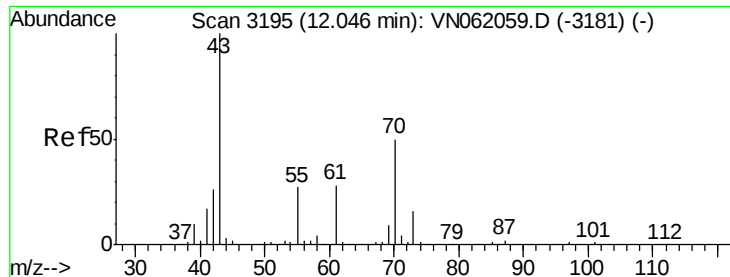


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 3.361 ug/l

RT: 12.11 min Scan# 3215

Delta R.T. 0.06 min

Lab File: VN062258.D

Acq: 30 Jun 2020 23:53

Instrument :

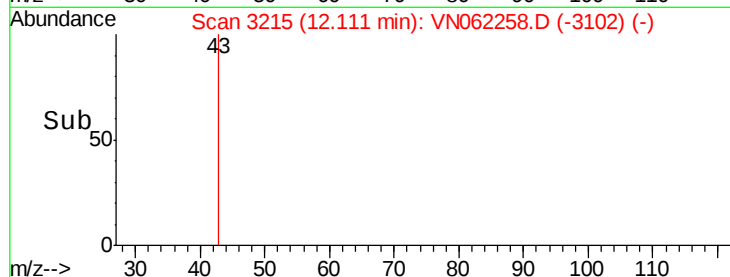
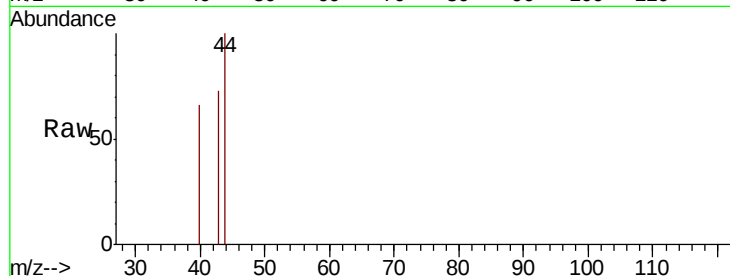
MSVOA_N

ClientSampleId :

VN0630WBL02

Tot Ion: 43 Resp: 65

Ion	Ratio	Lower	Upper
43	100		
70	0.0	39.4	59.2#
55	0.0	21.7	32.5#
61	0.0	21.3	31.9#

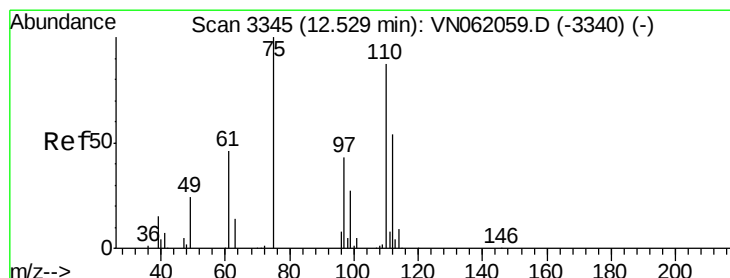
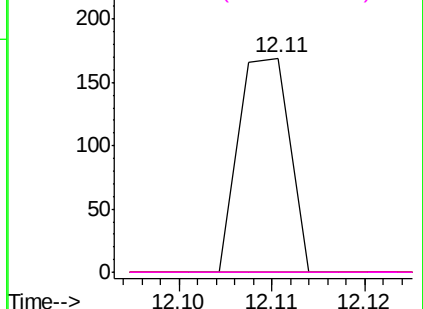


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 26.794 ug/l

RT: 12.38 min Scan# 3298

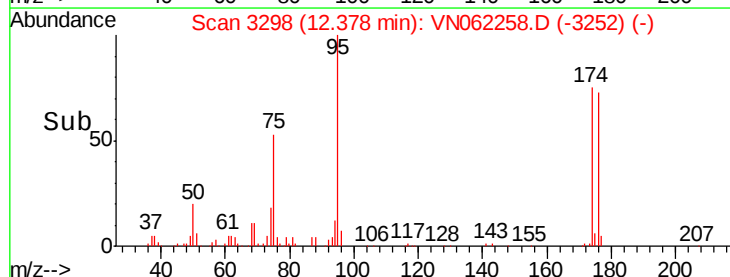
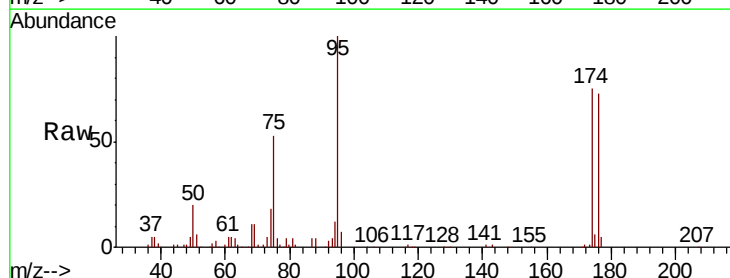
Delta R.T. -0.15 min

Lab File: VN062258.D

Acq: 30 Jun 2020 23:53

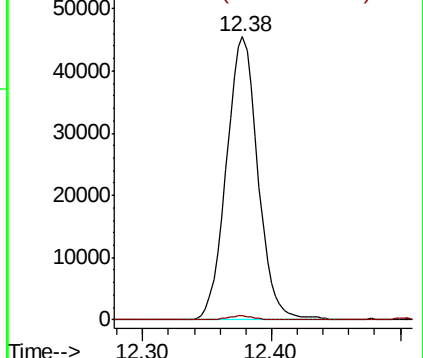
Tgt Ion: 75 Resp: 77105

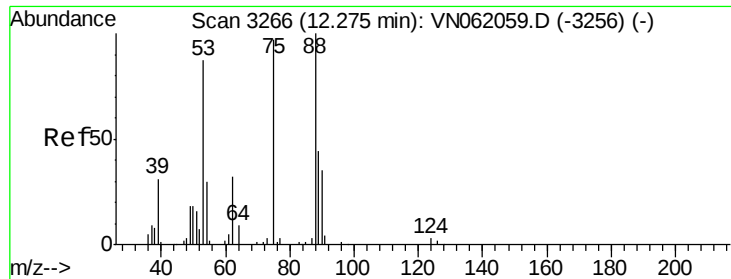
Ion	Ratio	Lower	Upper
75	100		
77	1.2	0.0	0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

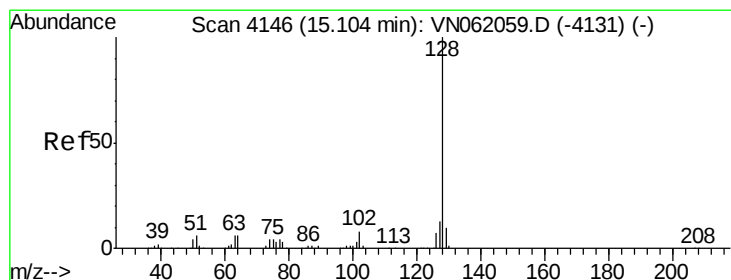
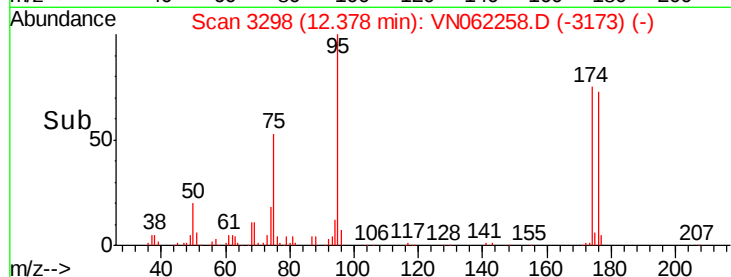
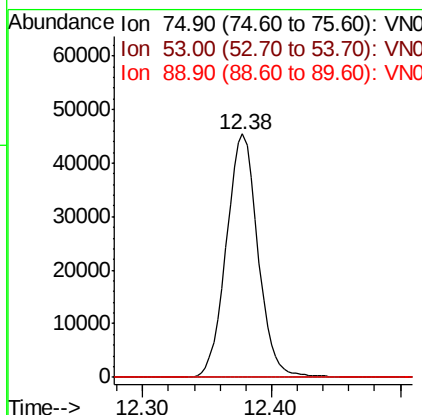
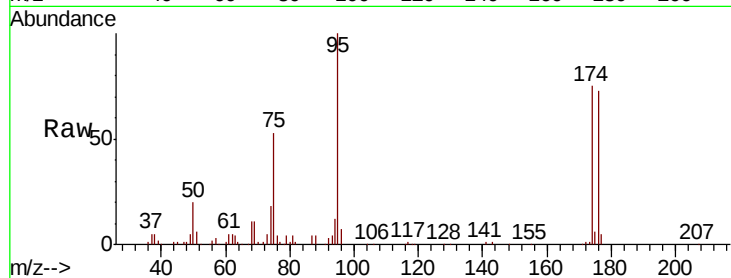




#81
trans-1,4-Dichloro-2-butene
Concen: 78.248 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.10 min
Lab File: VN062258.D
Acq: 30 Jun 2020 23:53

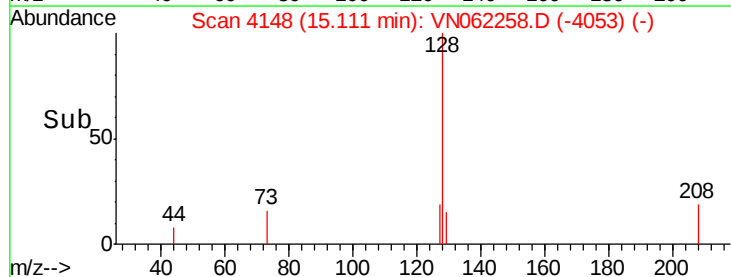
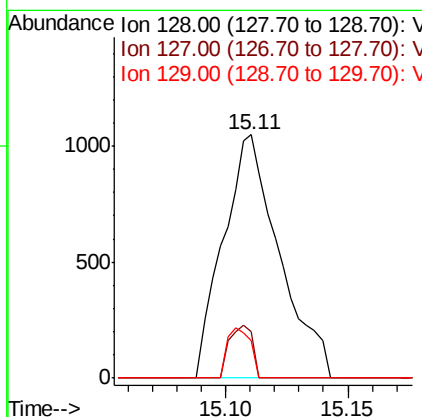
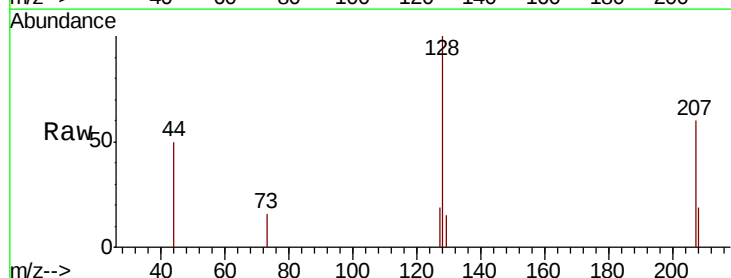
Instrument :
MSVOA_N
ClientSampleId :
VN0630WBL02

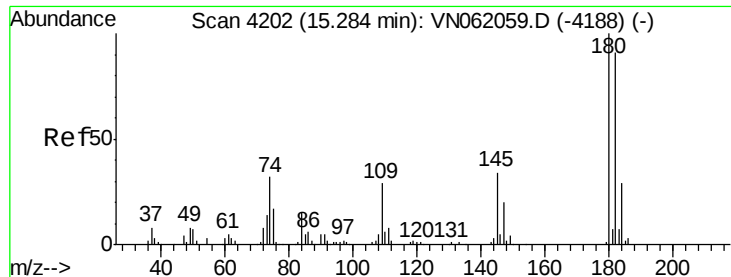
Tot Ion: 75 Resp: 77105
Ion Ratio Lower Upper
75 100
53 0.0 72.0 108.0#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 4.259 ug/l
RT: 15.11 min Scan# 4148
Delta R.T. 0.01 min
Lab File: VN062258.D
Acq: 30 Jun 2020 23:53

Tgt Ion: 128 Resp: 1673
Ion Ratio Lower Upper
128 100
127 9.1 10.5 15.7#
129 8.6 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.205 ug/l
 RT: 15.30 min Scan# 4206
 Delta R.T. 0.01 min
 Lab File: VN062258.D
 Acq: 30 Jun 2020 23:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0630WBL02

Tot Ion:180 Resp: 367
 Ion Ratio Lower Upper
 180 100
 182 82.3 46.8 140.4
 145 0.0 16.4 49.2#

