

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062920\
 Data File : VN062182.D
 Acq On : 29 Jun 2020 11:40
 Operator : JC/MD
 Sample : VN0629MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0629MBL01

Quant Time: Jun 30 04:23:56 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	7.62	168	208278	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	390008	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	358412	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	123930	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	151375	51.79	ug/l	0.00
Spiked Amount			Recovery	=	103.58%	
35) Dibromofluoromethane	7.54	113	119733	47.85	ug/l	0.00
Spiked Amount			Recovery	=	95.70%	
50) Toluene-d8	10.06	98	486986	48.69	ug/l	0.00
Spiked Amount			Recovery	=	97.38%	
62) 4-Bromofluorobenzene	12.38	95	151822	44.93	ug/l	0.00
Spiked Amount			Recovery	=	89.86%	

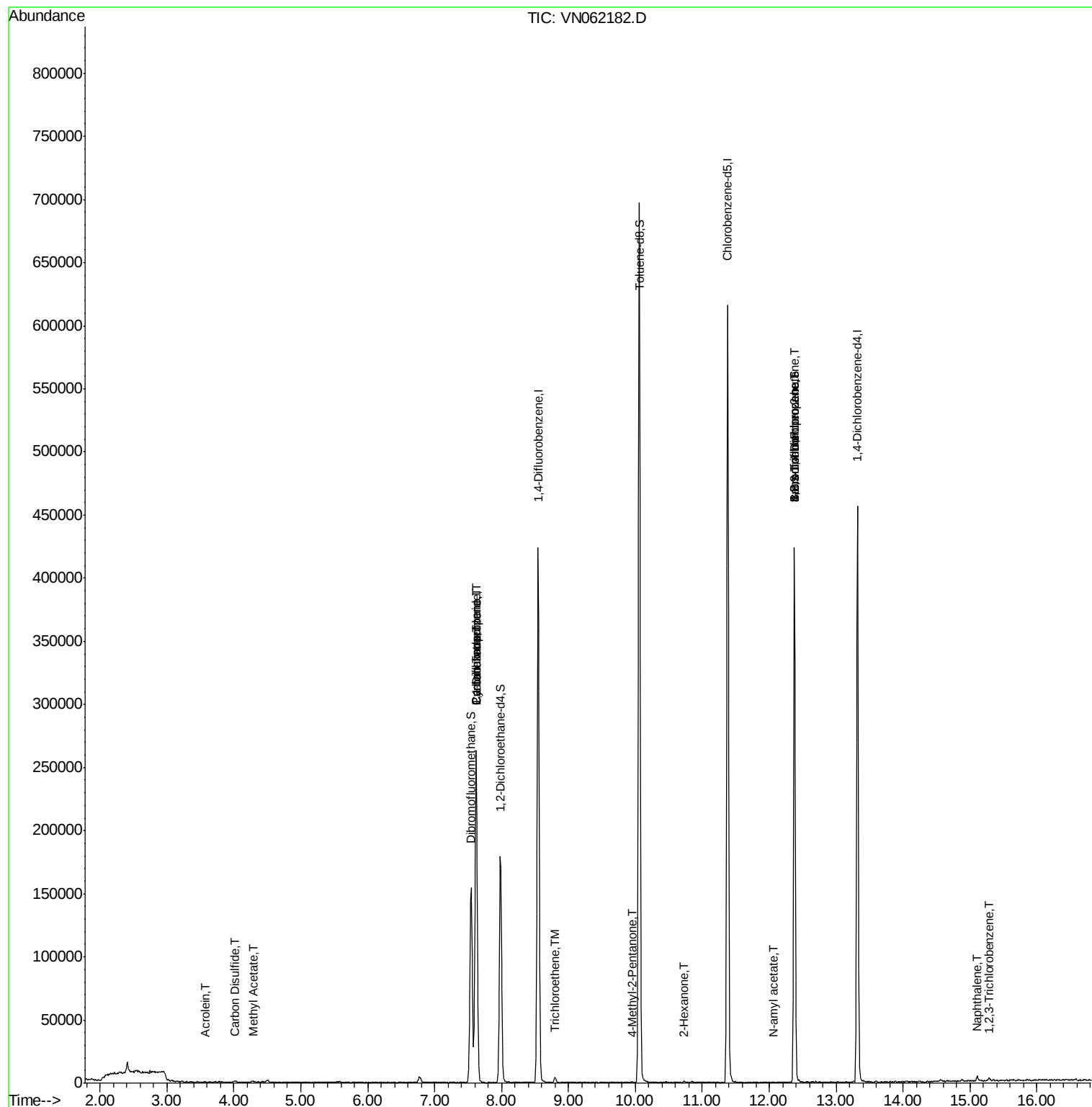
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	466	Below Cal	#	41
13) Acrolein	3.58	56	104	0.253	ug/l #	15
16) Acetone	3.77	43	197	Below Cal	#	40
17) Carbon Disulfide	4.01	76	2354	0.394	ug/l #	77
18) Methyl Acetate	4.28	43	1392	0.599	ug/l #	46
20) Methylene Chloride	4.50	84	214	Below Cal	#	9
31) Cyclohexane	7.62	56	4941	1.224	ug/l #	3
36) 1,1-Dichloropropene	7.62	75	17591	4.487	ug/l #	49
38) Carbon Tetrachloride	7.62	117	21225	5.743	ug/l #	15
44) Trichloroethene	8.80	130	1514	0.502	ug/l #	76
51) 4-Methyl-2-Pentanone	9.95	43	744	0.241	ug/l #	33
59) 2-Hexanone	10.73	43	1006	0.451	ug/l #	60
71) Bromoform	12.38	173	1045	0.540	ug/l #	1
74) N-amyl acetate	12.06	43	408	3.451	ug/l #	43
76) 1,2,3-Trichloropropane	12.37	75	75338	25.824	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.37	75	75338	75.414	ug/l #	13
95) Naphthalene	15.11	128	4228	4.653	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.29	180	916	0.506	ug/l	90

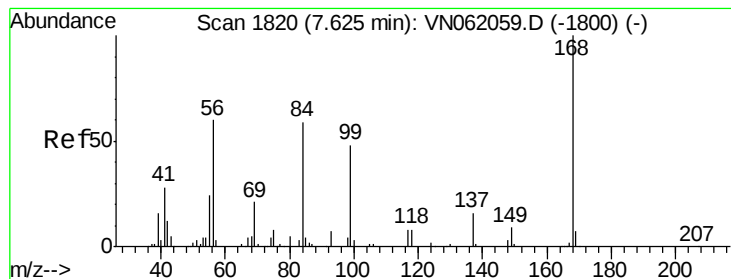
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN062920\
Data File : VN062182.D
Acq On : 29 Jun 2020 11:40
Operator : JC/MD
Sample : VN0629MBL01
Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0629MBL01

Quant Time: Jun 30 04:23:56 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
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: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN062182.D

Acq: 29 Jun 2020 11:40

Instrument :

MSVOA_N

ClientSampled :

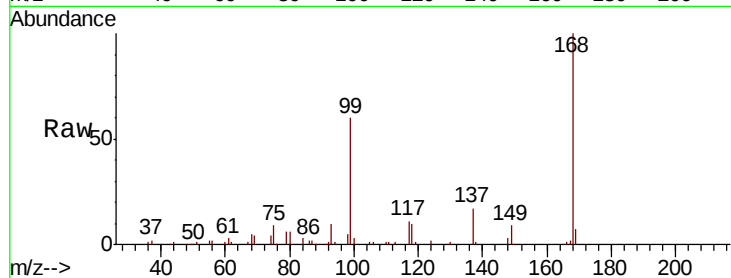
VN0629MBL01

Tot Ion:168 Resp: 208278

Ion Ratio Lower Upper

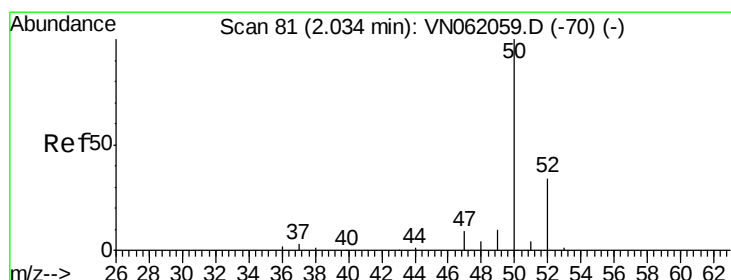
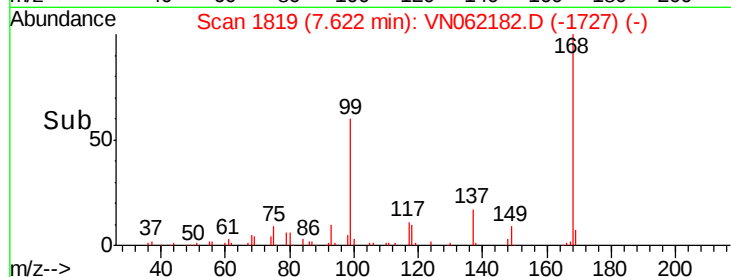
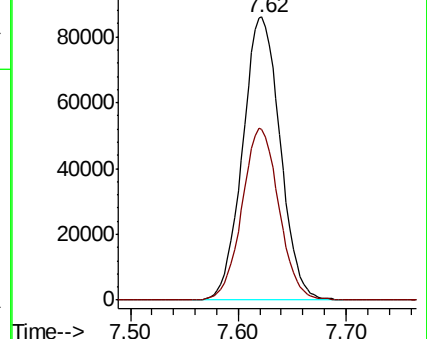
168 100

99 60.2 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# 80

Delta R.T. -0.00 min

Lab File: VN062182.D

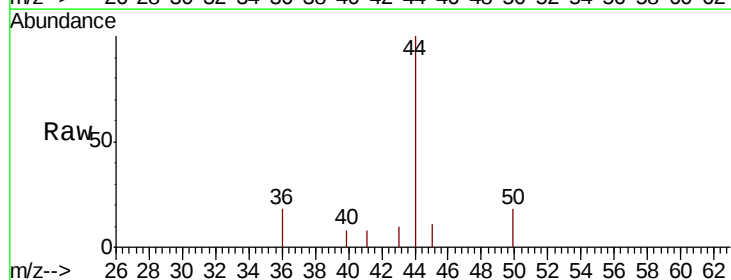
Acq: 29 Jun 2020 11:40

Tgt Ion: 50 Resp: 466

Ion Ratio Lower Upper

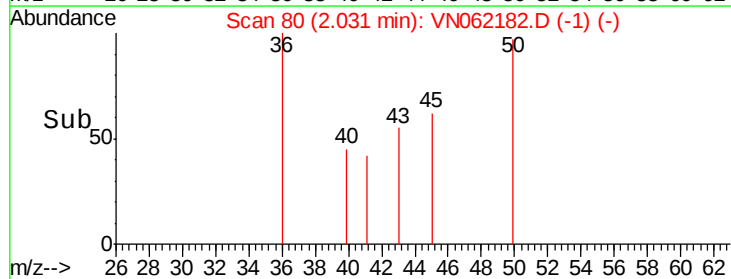
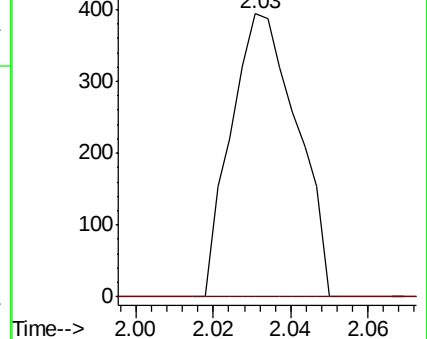
50 100

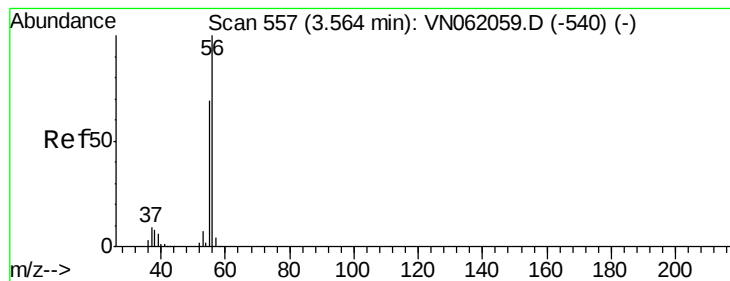
52 0.0 27.0 40.6#



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN





#13

Acrolein

Concen: 0.253 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.01 min

Lab File: VN062182.D

Acq: 29 Jun 2020 11:40

Instrument :

MSVOA_N

ClientSampleId :

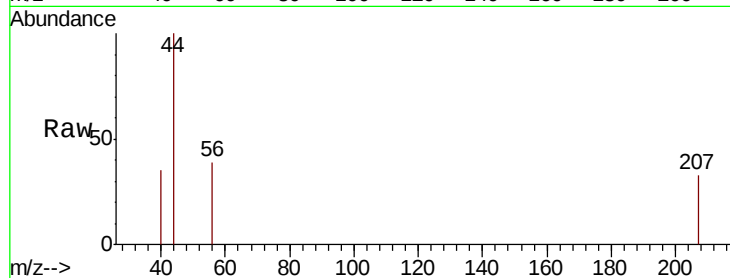
VN0629MBL01

Tot Ion: 56 Resp: 104

Ion Ratio Lower Upper

56 100

55 0.0 55.5 83.3#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.58

200

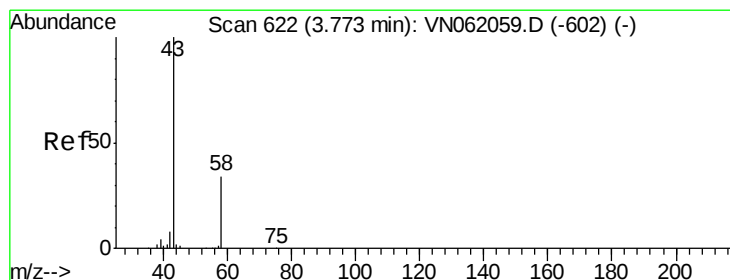
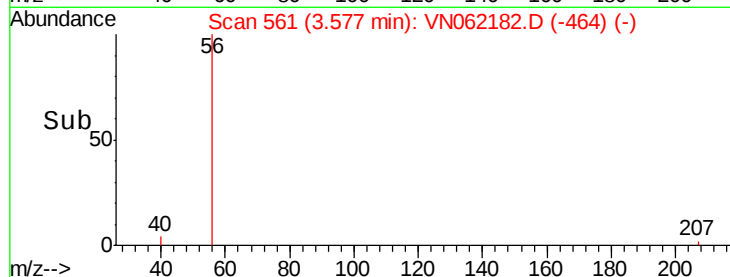
150

100

50

0

Time-->



#16

Acetone

Concen: Below Cal

RT: 3.77 min Scan# 620

Delta R.T. -0.01 min

Lab File: VN062182.D

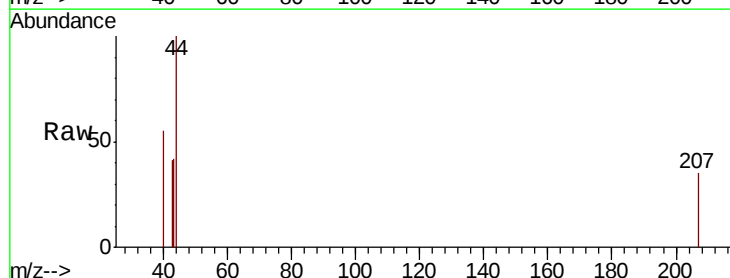
Acq: 29 Jun 2020 11:40

Tgt Ion: 43 Resp: 197

Ion Ratio Lower Upper

43 100

58 0.0 27.5 41.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.77

400

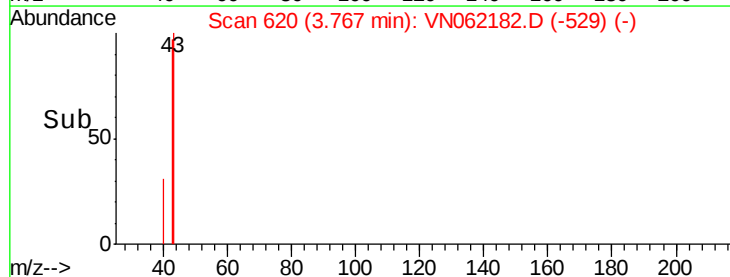
300

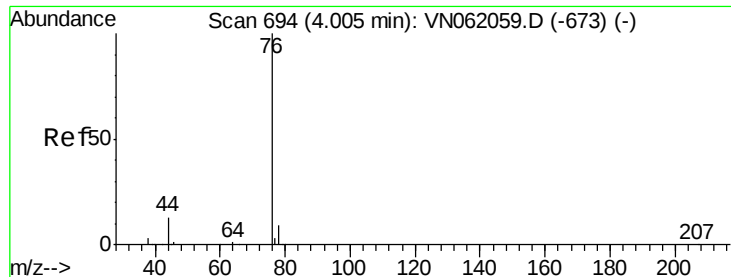
200

100

0

Time-->





#17

Carbon Disulfide

Concen: 0.394 ug/l

RT: 4.01 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN062182.D

Acq: 29 Jun 2020 11:40

Instrument :

MSVOA_N

ClientSampleId :

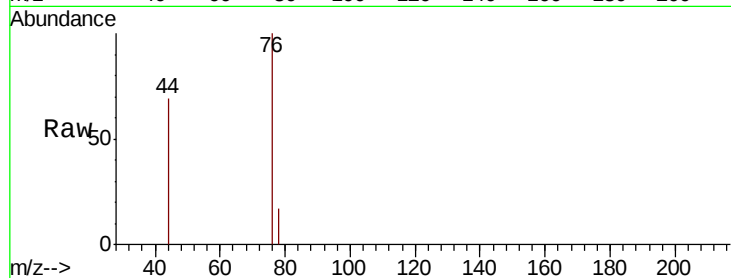
VN0629MBL01

Tot Ion: 76 Resp: 2354

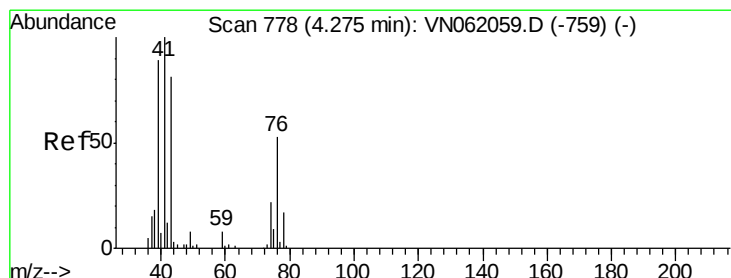
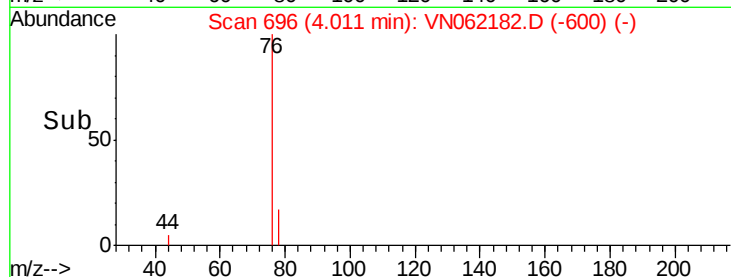
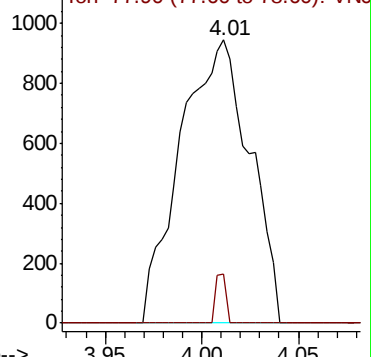
Ion Ratio Lower Upper

76 100

78 17.5 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VN062182.D (-600) (-)



#18

Methyl Acetate

Concen: 0.599 ug/l

RT: 4.28 min Scan# 780

Delta R.T. 0.01 min

Lab File: VN062182.D

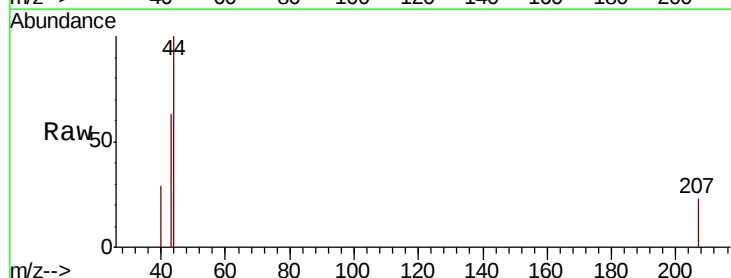
Acq: 29 Jun 2020 11:40

Tgt Ion: 43 Resp: 1392

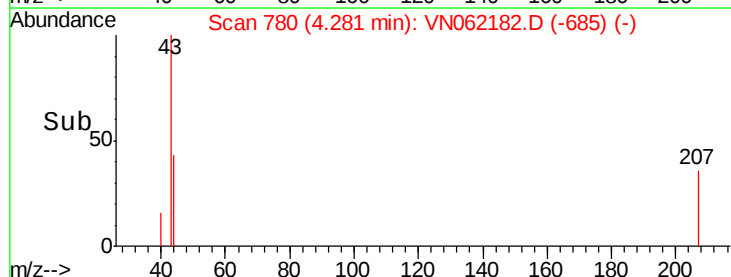
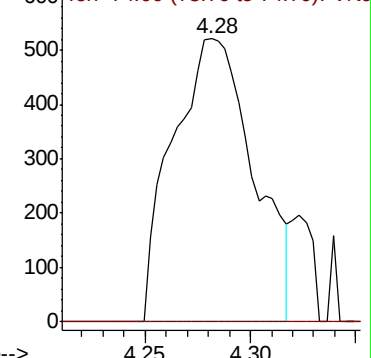
Ion Ratio Lower Upper

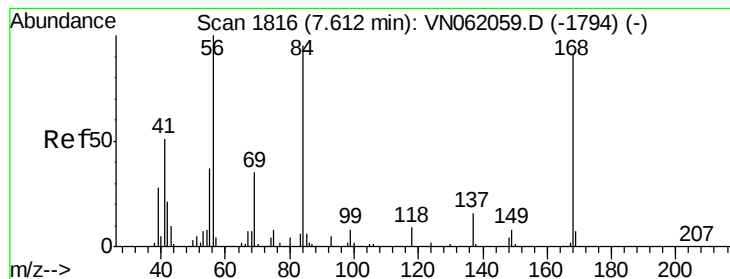
43 100

74 0.0 22.9 34.3#



Abundance Ion 43.00 (42.70 to 43.70): VN062182.D (-685) (-)





#31

Cyclohexane

Concen: 1.224 ug/l

RT: 7.62 min Scan# 1816

Delta R.T. 0.01 min

Lab File: VN062182.D

Acq: 29 Jun 2020 11:40

Instrument :

MSVOA_N

ClientSampleId :

VN0629MBL01

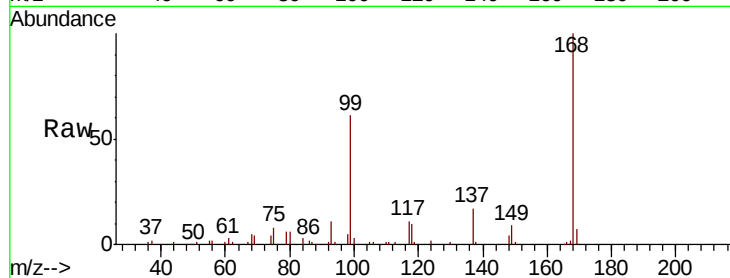
Tot Ion: 56 Resp: 4941

Ion Ratio Lower Upper

56 100

69 165.4 28.0 42.0#

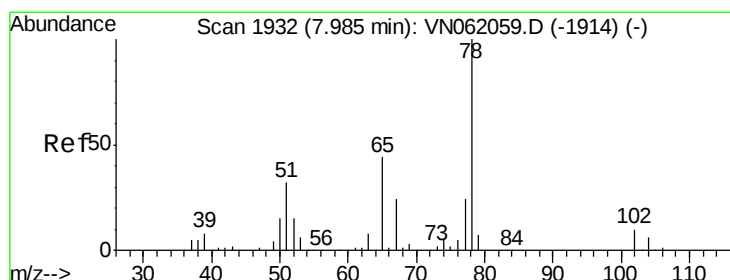
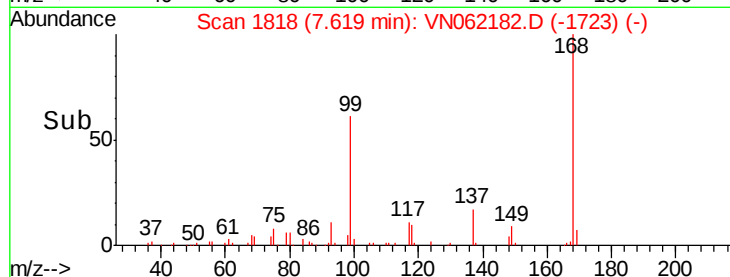
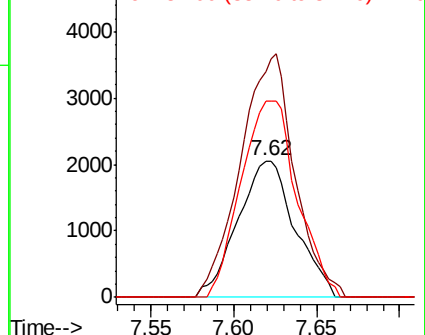
84 143.9 76.1 114.1#



Abundance Ion 56.00 (55.70 to 56.70): VN062182.D (-1723) (-)

Ion 69.00 (68.70 to 69.70): VN062182.D (-1723) (-)

Ion 84.00 (83.70 to 84.70): VN062182.D (-1723) (-)



#33

1,2-Dichloroethane-d4

Concen: 51.790 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. 0.00 min

Lab File: VN062182.D

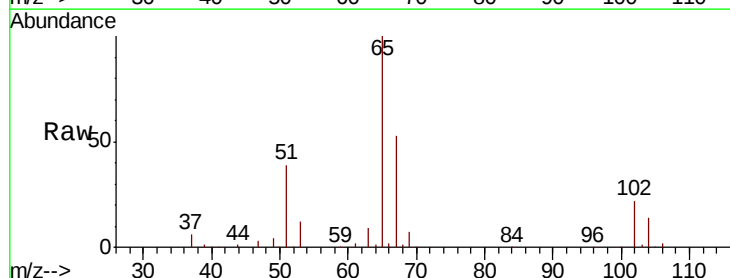
Acq: 29 Jun 2020 11:40

Tgt Ion: 65 Resp: 151375

Ion Ratio Lower Upper

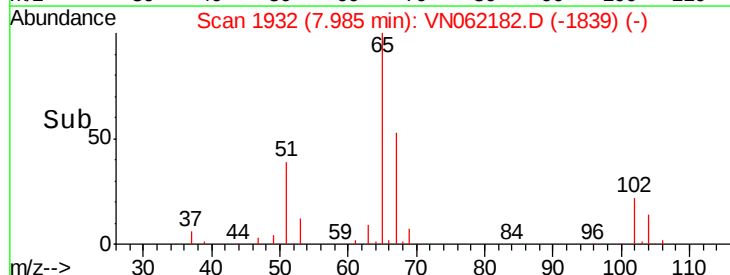
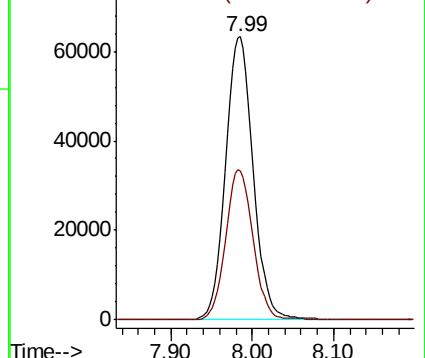
65 100

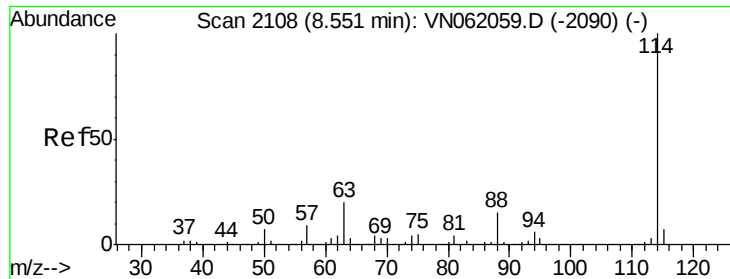
67 52.5 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VN062182.D (-1839) (-)

Ion 66.90 (66.60 to 67.60): VN062182.D (-1839) (-)

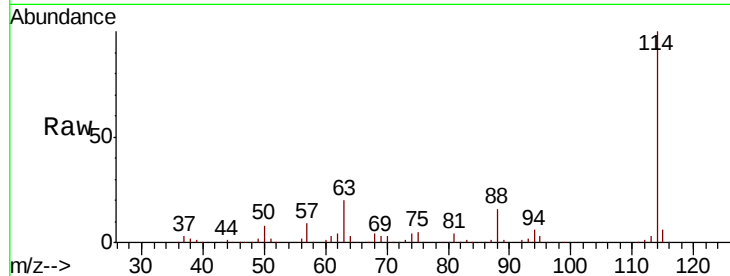




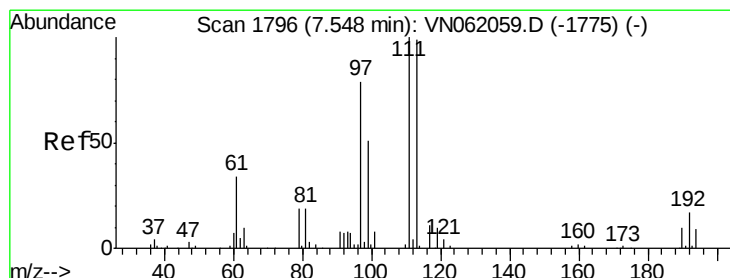
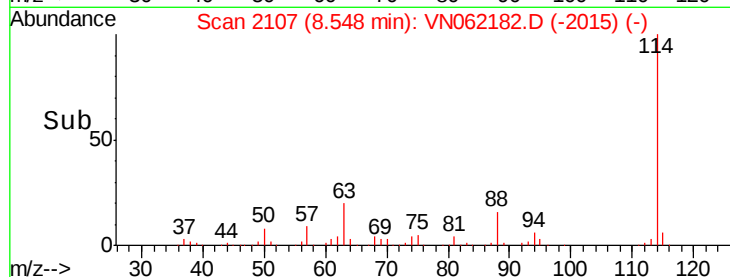
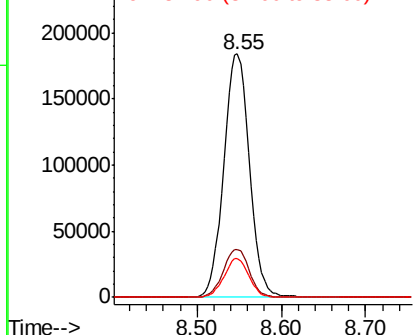
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN062182.D
 Acq: 29 Jun 2020 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0629MBL01

Tot Ion:114 Resp: 390008
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.2
 88 16.1 0.0 30.8

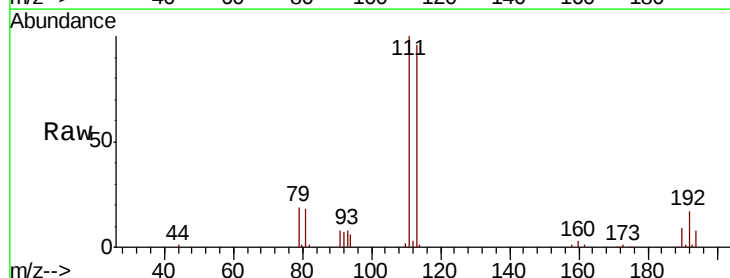


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

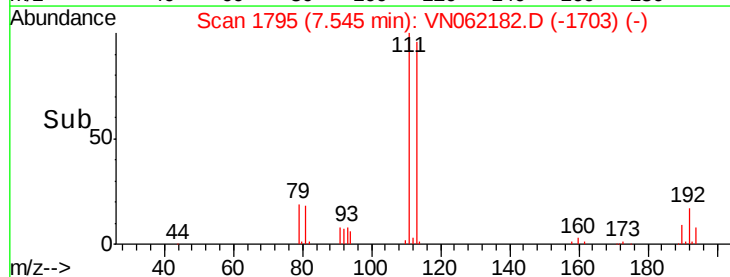
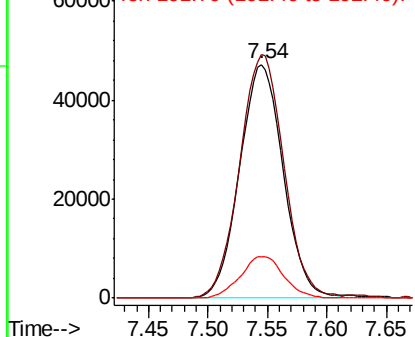


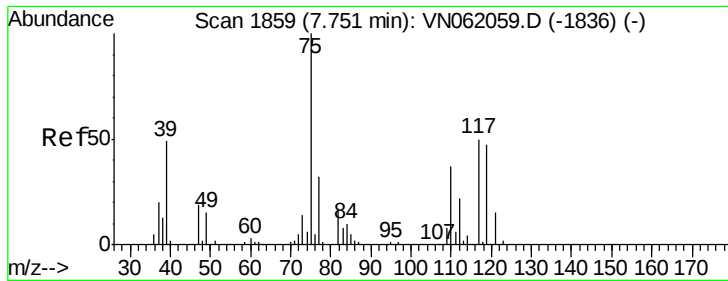
#35
 Dibromofluoromethane
 Concen: 47.853 ug/l
 RT: 7.54 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VN062182.D
 Acq: 29 Jun 2020 11:40

Tgt Ion:113 Resp: 119733
 Ion Ratio Lower Upper
 113 100
 111 105.8 82.2 123.4
 192 17.8 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

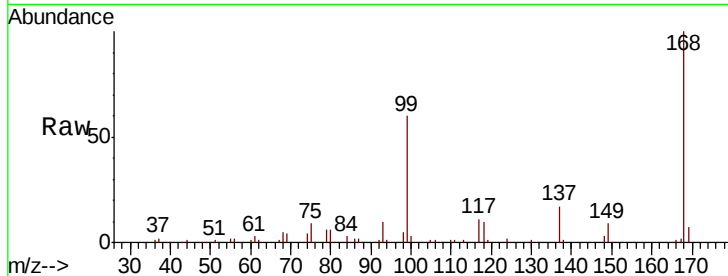




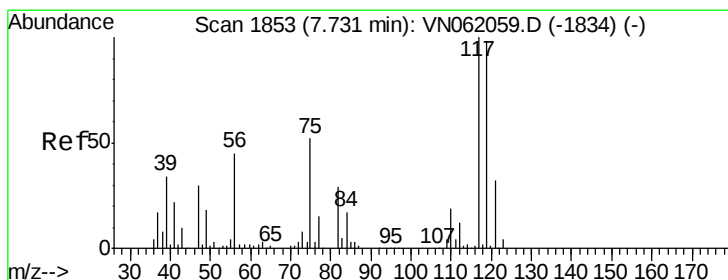
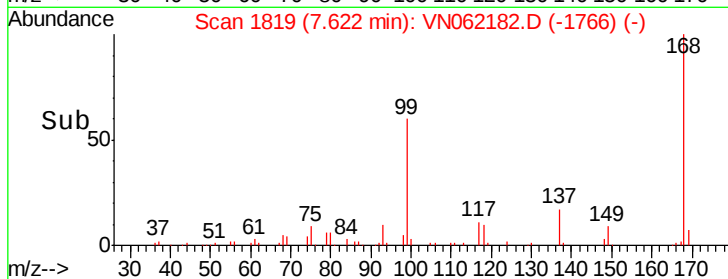
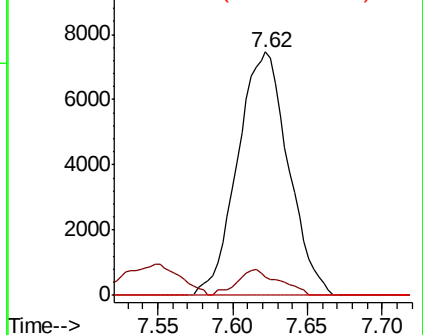
#36
 1,1-Dichloropropene
 Concen: 4.487 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.13 min
 Lab File: VN062182.D
 Acq: 29 Jun 2020 11:40

Instrument :
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 VN0629MBL01

Tot Ion	Ratio	Lower	Upper
75	100		
110	8.8	17.9	53.8#
77	0.0	24.9	37.3#

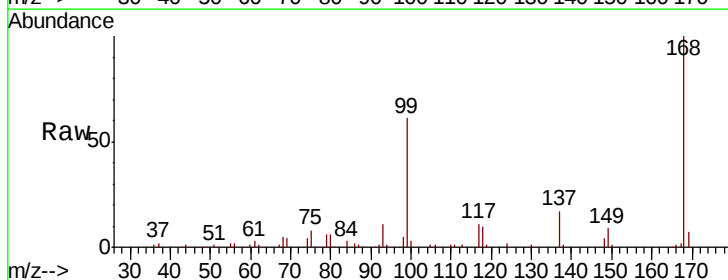


Abundance Ion 74.90 (74.60 to 75.60): VN062182.D (-1766) (-)

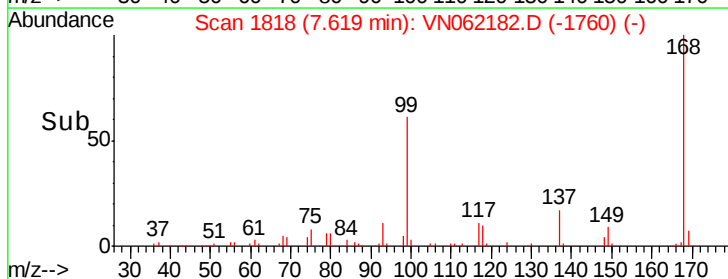
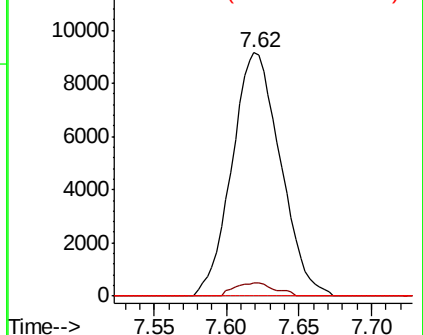


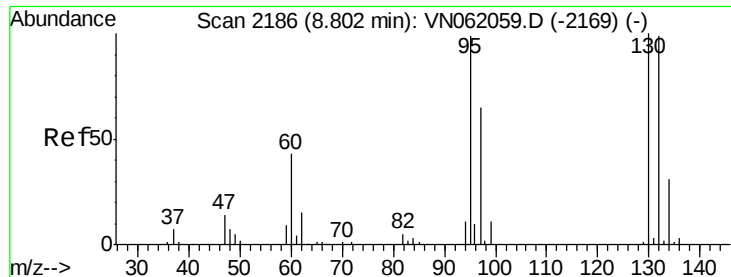
#38
 Carbon Tetrachloride
 Concen: 5.743 ug/l
 RT: 7.62 min Scan# 1818
 Delta R.T. -0.11 min
 Lab File: VN062182.D
 Acq: 29 Jun 2020 11:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.2	78.2	117.2#
121	0.0	25.8	38.6#



Abundance Ion 116.80 (116.50 to 117.50): VN062182.D (-1760) (-)





#44

Trichloroethene

Concen: 0.502 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. 0.00 min

Lab File: VN062182.D

Acq: 29 Jun 2020 11:40

Instrument :

MSVOA_N

ClientSampleId :

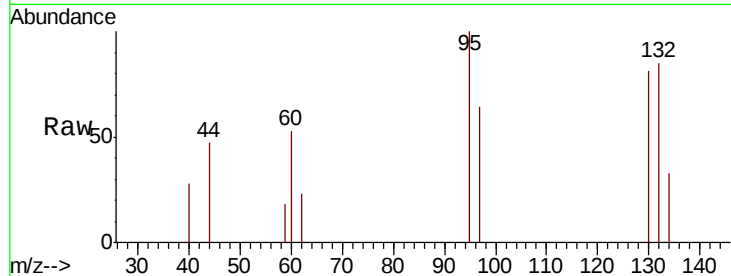
VN0629MBL01

Tot Ion:130 Resp: 1514

Ion Ratio Lower Upper

130 100

95 122.8 0.0 197.8



Abundance Ion 129.80 (129.50 to 130.50): VN062182.D (-2093) (-)

Ion 94.90 (94.60 to 95.60): VN062182.D (-2093) (-)

8.80

1000

800

600

400

200

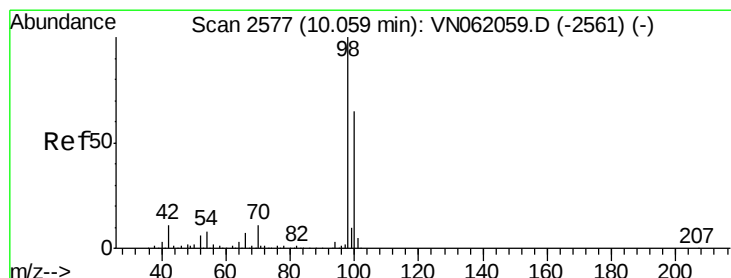
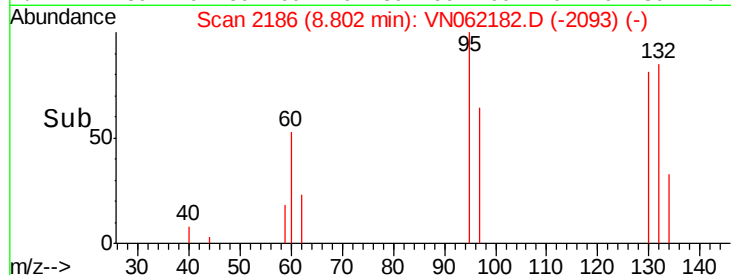
0

8.75

8.80

8.85

Time-->



#50

Toluene-d8

Concen: 48.690 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN062182.D

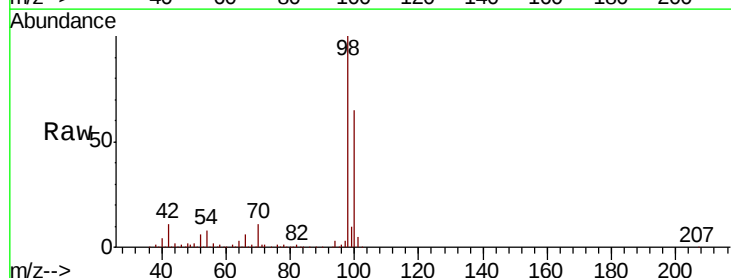
Acq: 29 Jun 2020 11:40

Tgt Ion: 98 Resp: 486986

Ion Ratio Lower Upper

98 100

100 65.2 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN062182.D (-2484) (-)

Ion 100.00 (99.70 to 100.70): VN062182.D (-2484) (-)

10.06

300000

250000

200000

150000

100000

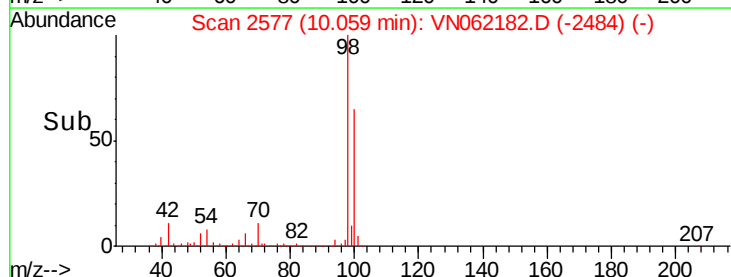
50000

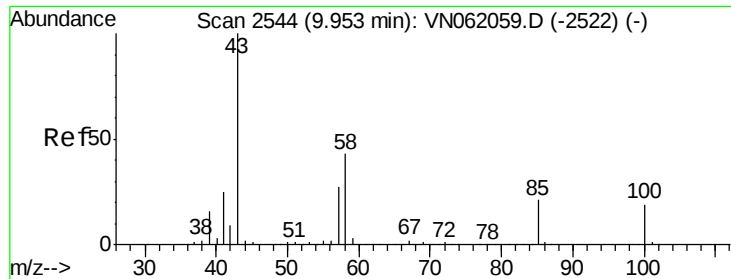
0

10.00

10.10

Time-->

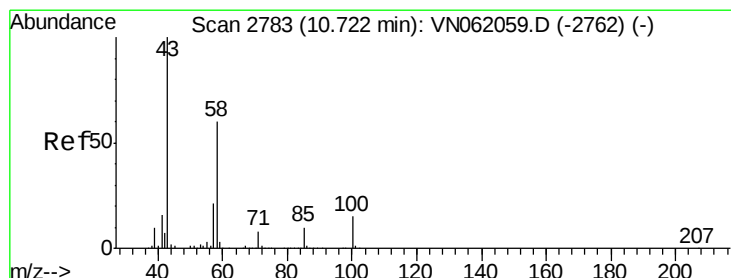
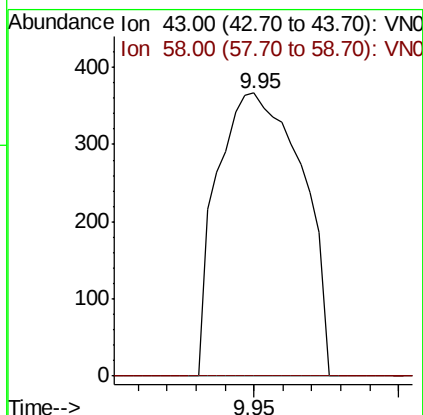
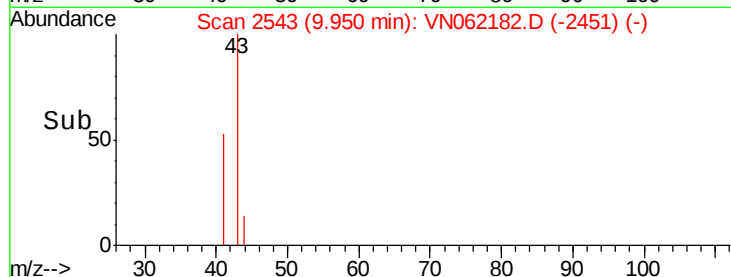
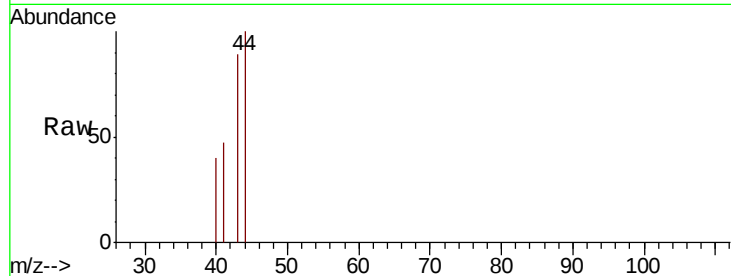




#51
4-Methyl-2-Pentanone
Concen: 0.241 ug/l
RT: 9.95 min Scan# 2543
Delta R.T. -0.00 min
Lab File: VN062182.D
Acq: 29 Jun 2020 11:40

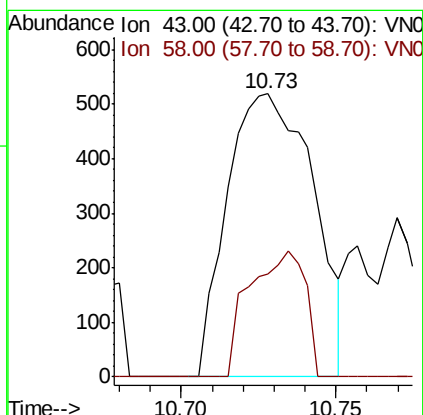
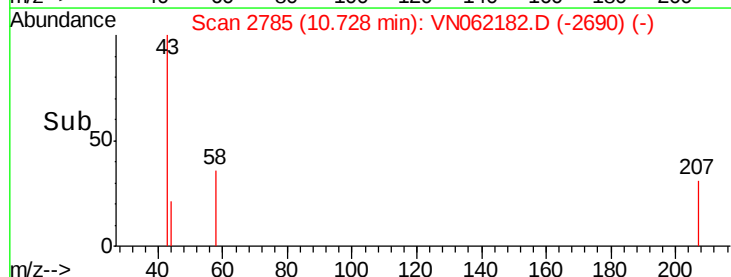
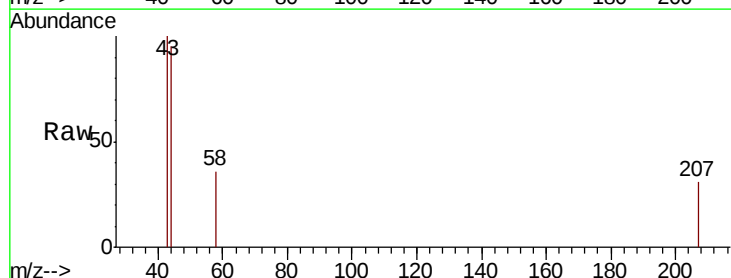
Instrument :
MSVOA_N
ClientSampleId :
VN0629MBL01

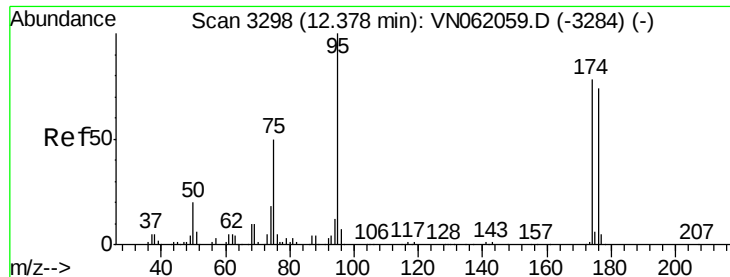
Tot Ion: 43 Resp: 744
Ion Ratio Lower Upper
43 100
58 0.0 34.2 51.2#



#59
2-Hexanone
Concen: 0.451 ug/l
RT: 10.73 min Scan# 2785
Delta R.T. 0.01 min
Lab File: VN062182.D
Acq: 29 Jun 2020 11:40

Tgt Ion: 43 Resp: 1006
Ion Ratio Lower Upper
43 100
58 28.8 29.5 88.5#





#62

4-Bromofluorobenzene

Concen: 44.929 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN062182.D

Acq: 29 Jun 2020 11:40

Instrument :

MSVOA_N

ClientSampleId :

VN0629MBL01

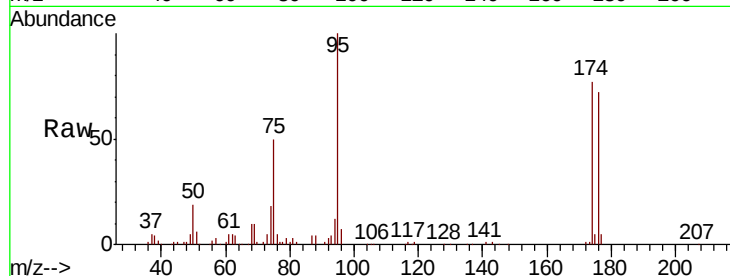
Tot Ion: 95 Resp: 151822

Ion Ratio Lower Upper

95 100

174 74.4 0.0 154.8

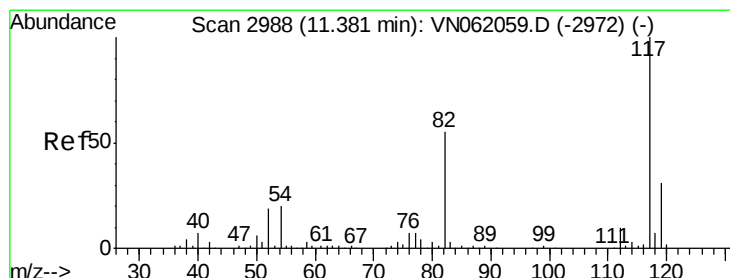
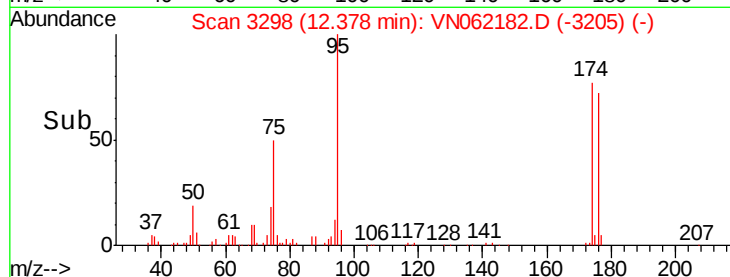
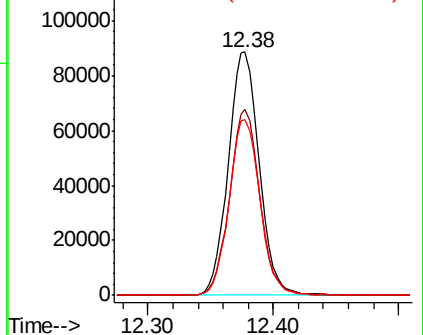
176 71.9 0.0 147.4



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2987

Delta R.T. -0.00 min

Lab File: VN062182.D

Acq: 29 Jun 2020 11:40

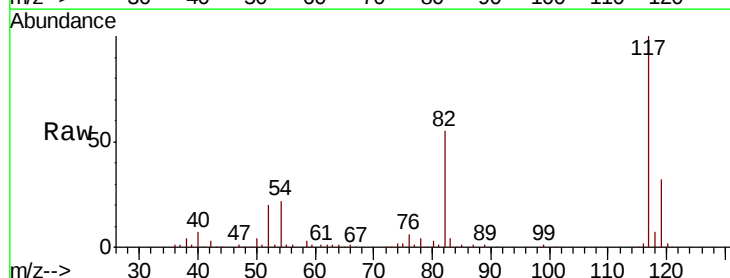
Tgt Ion: 117 Resp: 358412

Ion Ratio Lower Upper

117 100

82 55.4 43.8 65.8

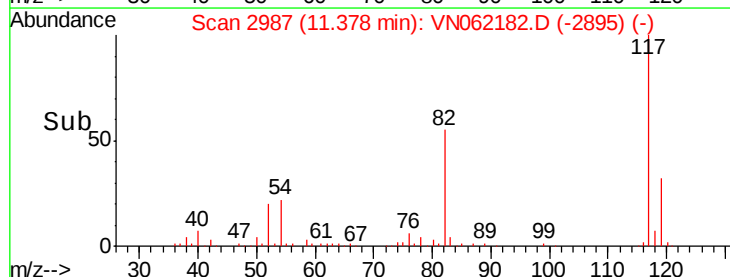
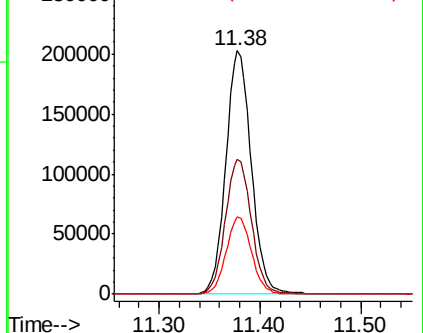
119 31.7 25.2 37.8

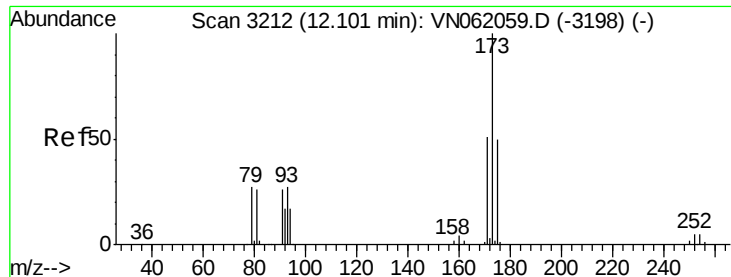


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0





#71

Bromoform

Concen: 0.540 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.28 min

Lab File: VN062182.D

Acq: 29 Jun 2020 11:40

Instrument :

MSVOA_N

ClientSampled :

VN0629MBL01

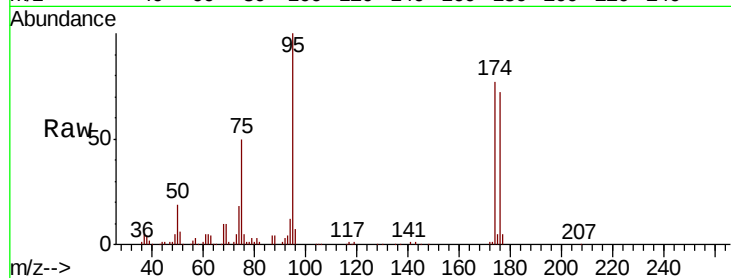
Tot Ion:173 Resp: 1045

Ion Ratio Lower Upper

173 100

175 662.7 24.7 74.1#

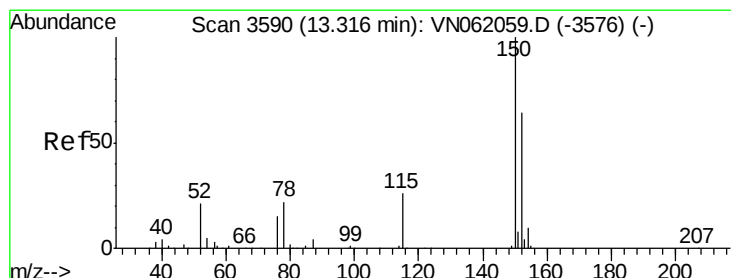
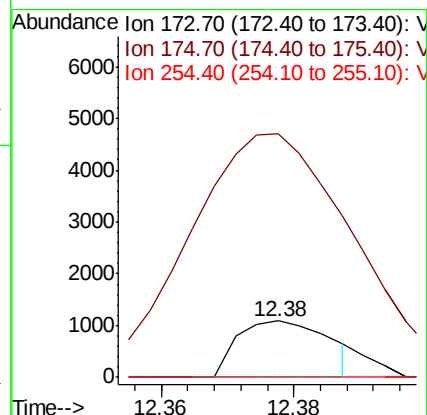
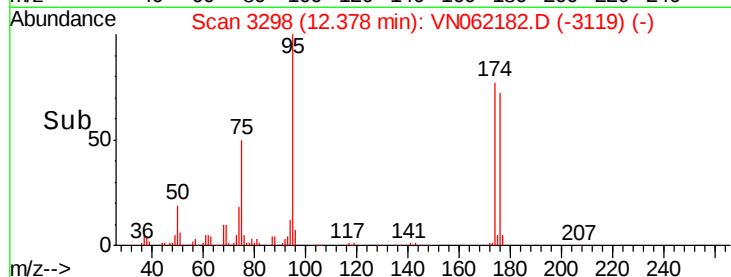
254 0.0 0.0 0.0



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: VN062182.D

Acq: 29 Jun 2020 11:40

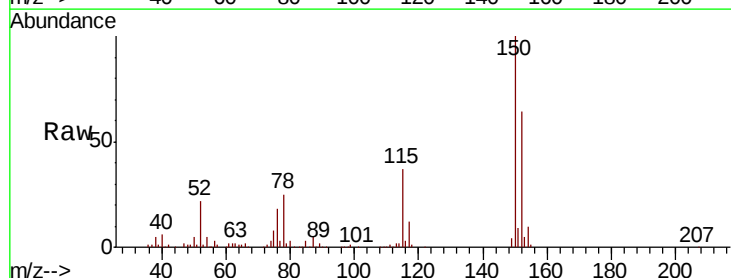
Tgt Ion:152 Resp: 123930

Ion Ratio Lower Upper

152 100

115 58.6 29.5 88.5

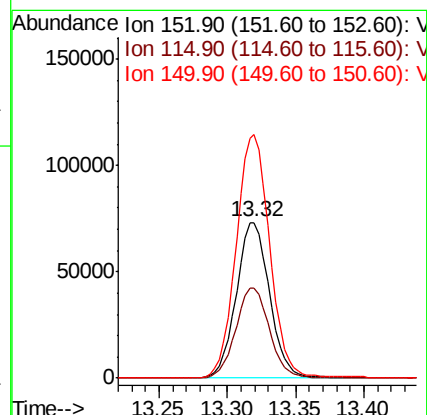
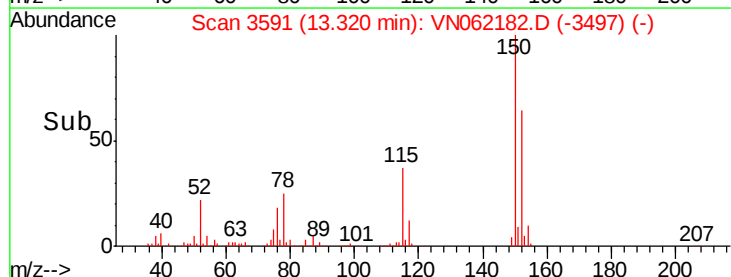
150 157.6 0.0 351.4

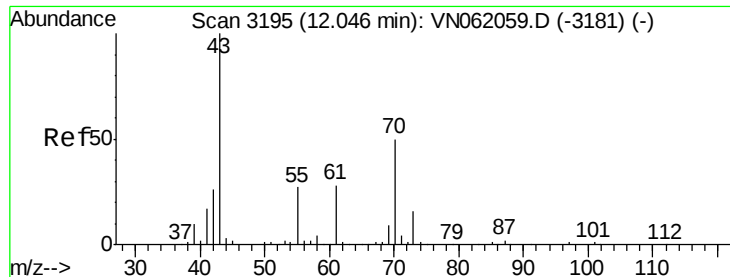


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 3.451 ug/l

RT: 12.06 min Scan# 3198

Delta R.T. 0.01 min

Lab File: VN062182.D

Acq: 29 Jun 2020 11:40

Instrument :

MSVOA_N

ClientSampled :

VN0629MBL01

Tot Ion: 43 Resp: 408

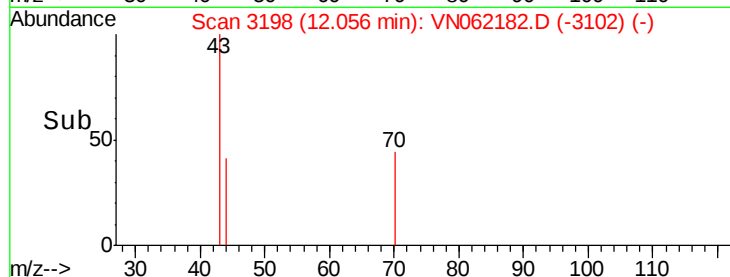
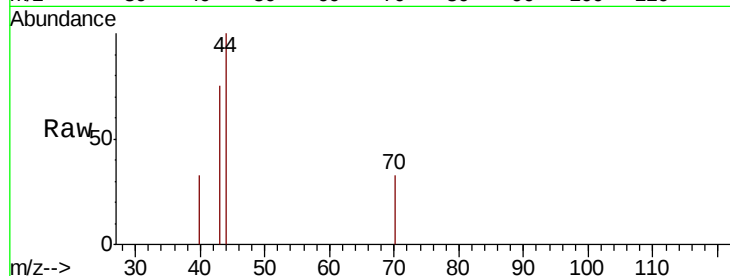
Ion Ratio Lower Upper

43 100

70 7.1 39.4 59.2#

55 0.0 21.7 32.5#

61 0.0 21.3 31.9#

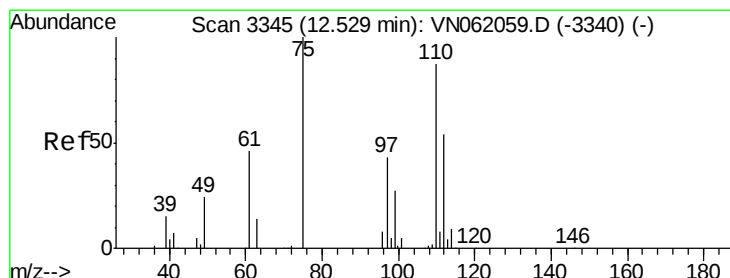
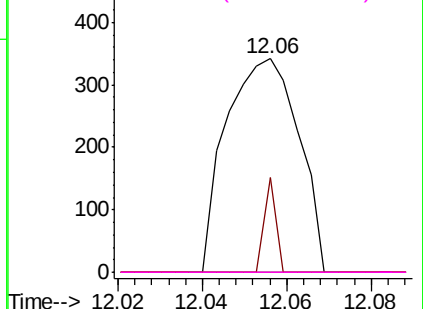


Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 25.824 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. -0.15 min

Lab File: VN062182.D

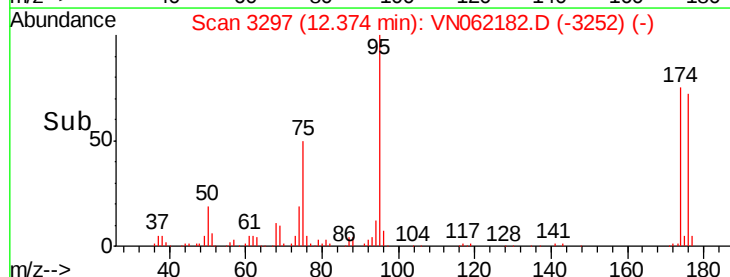
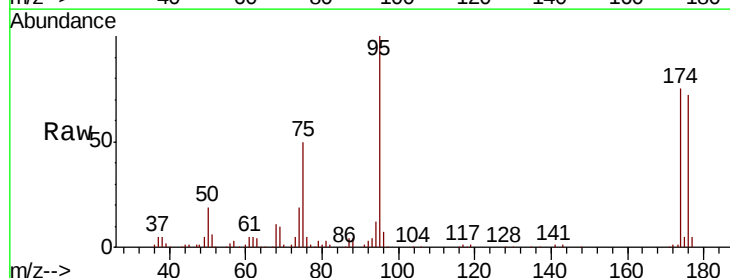
Acq: 29 Jun 2020 11:40

Tgt Ion: 75 Resp: 75338

Ion Ratio Lower Upper

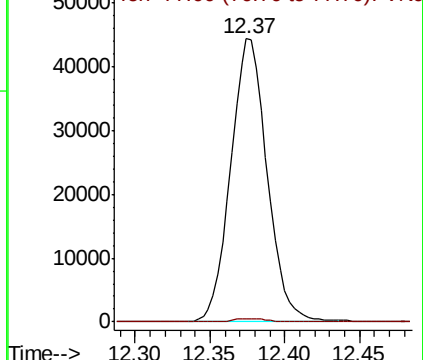
75 100

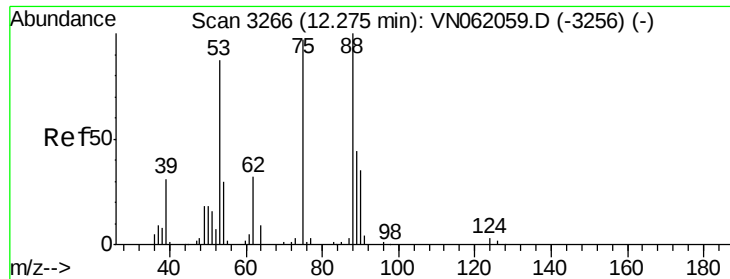
77 1.1 0.0 0.0#



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: 75.414 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. 0.10 min

Lab File: VN062182.D

Acq: 29 Jun 2020 11:40

Instrument :

MSVOA_N

ClientSampleId :

VN0629MBL01

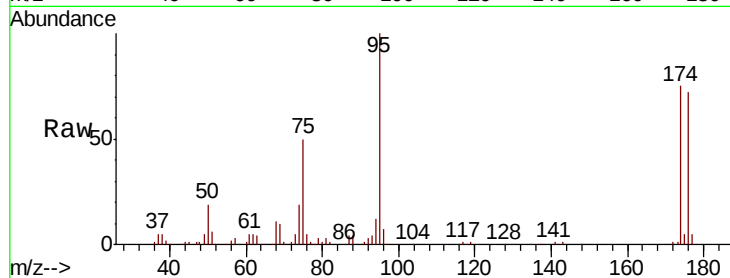
Tot Ion: 75 Resp: 75338

Ion Ratio Lower Upper

75 100

53 0.0 72.0 108.0#

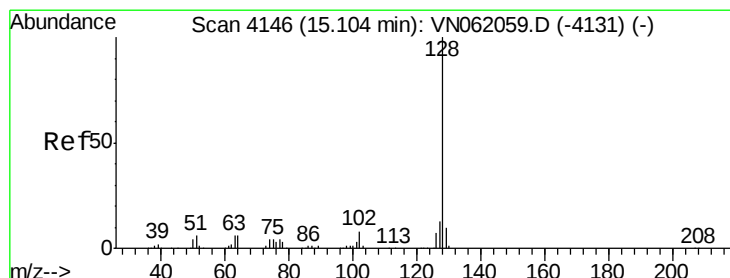
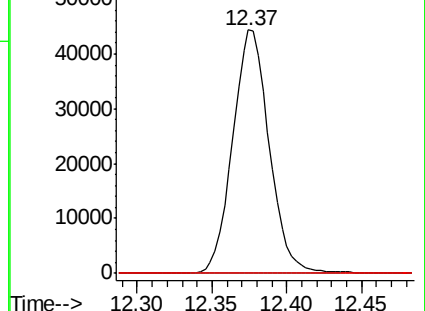
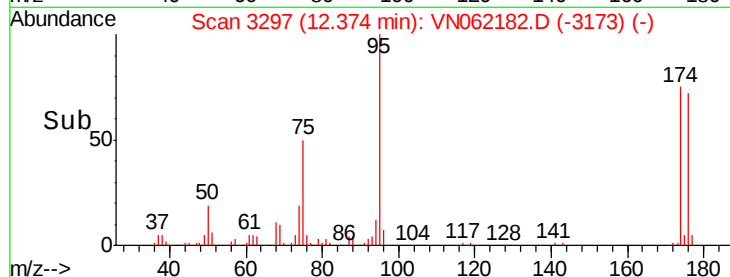
89 0.0 36.9 55.3#



Abundance Ion 74.90 (74.60 to 75.60): VN062182.D (-3173) (-)

Ion 53.00 (52.70 to 53.70): VN062182.D (-3173) (-)

Ion 88.90 (88.60 to 89.60): VN062182.D (-3173) (-)



#95

Naphthalene

Concen: 4.653 ug/l

RT: 15.11 min Scan# 4148

Delta R.T. 0.01 min

Lab File: VN062182.D

Acq: 29 Jun 2020 11:40

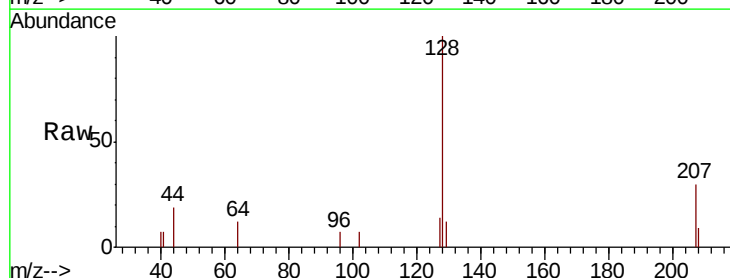
Tgt Ion: 128 Resp: 4228

Ion Ratio Lower Upper

128 100

127 8.5 10.5 15.7#

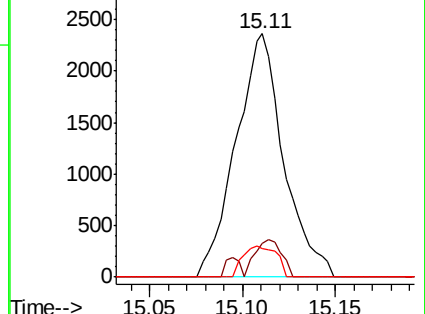
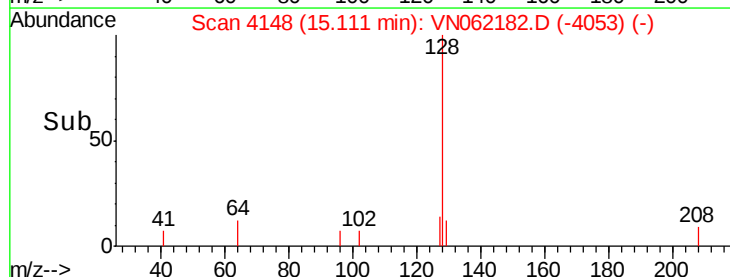
129 9.0 8.6 13.0

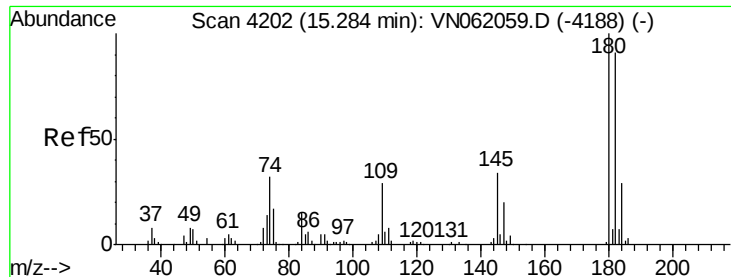


Abundance Ion 128.00 (127.70 to 128.70): VN062182.D (-4053) (-)

Ion 127.00 (126.70 to 127.70): VN062182.D (-4053) (-)

Ion 129.00 (128.70 to 129.70): VN062182.D (-4053) (-)

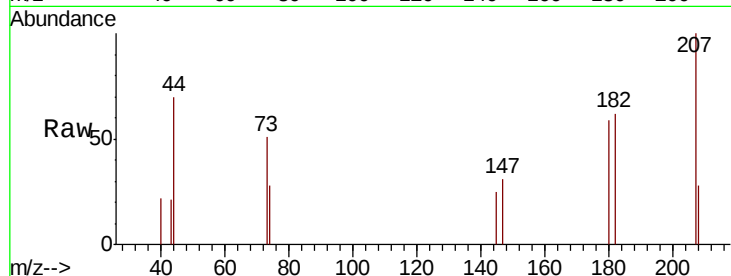




#96
 1,2,3-Trichlorobenzene
 Concen: 0.506 ug/l
 RT: 15.29 min Scan# 4203
 Delta R.T. 0.00 min
 Lab File: VN062182.D
 Acq: 29 Jun 2020 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0629MBL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	88.5	46.8	140.4
145	19.7	16.4	49.2



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

