

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073120\
 Data File : VN062692.D
 Acq On : 31 Jul 2020 17:55
 Operator : JC/MD
 Sample : PB130640ZHE#15
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB130640ZHE#15

Quant Time: Aug 01 06:07:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 18:48:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	126313	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	241642	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	245915	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	86075	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	114550	58.38	ug/l	0.00
Spiked Amount			Recovery	=	116.76%	
35) Dibromofluoromethane	7.55	113	78800	49.65	ug/l	0.00
Spiked Amount			Recovery	=	99.30%	
50) Toluene-d8	10.06	98	319072	50.38	ug/l	0.00
Spiked Amount			Recovery	=	100.76%	
62) 4-Bromofluorobenzene	12.38	95	112785	48.71	ug/l	0.00
Spiked Amount			Recovery	=	97.42%	

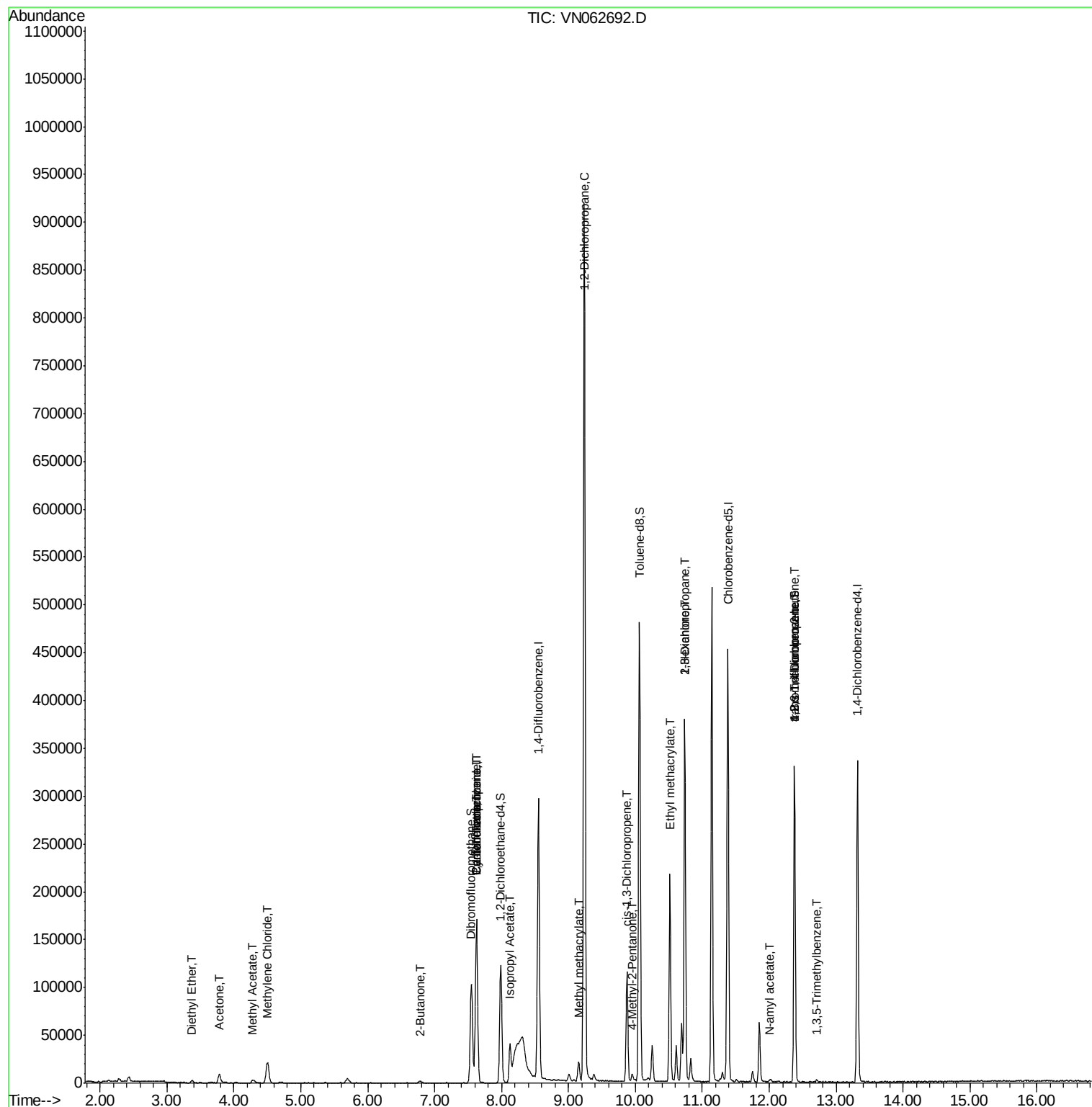
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.37	74	1215	1.249	ug/l	95
16) Acetone	3.78	43	15451	20.925	ug/l	93
18) Methyl Acetate	4.27	43	6500	3.477	ug/l	95
20) Methylene Chloride	4.50	84	16408	9.265	ug/l	96
25) 2-Butanone	6.80	43	913	0.812	ug/l #	52
31) Cyclohexane	7.62	56	3362	1.163	ug/l #	25
36) 1,1-Dichloropropene	7.63	75	11976	4.650	ug/l #	50
38) Carbon Tetrachloride	7.63	117	13849	5.594	ug/l #	17
43) Isopropyl Acetate	8.13	43	49773	11.121	ug/l #	89
45) 1,2-Dichloropropane	9.24	63	816	0.373	ug/l #	44
48) Methyl methacrylate	9.15	41	2959	1.391	ug/l #	15
51) 4-Methyl-2-Pentanone	9.95	43	5447	2.034	ug/l	97
54) cis-1,3-Dichloropropene	9.87	75	19372	5.916	ug/l #	68
56) Ethyl methacrylate	10.52	69	1160	2.124	ug/l #	1
57) 1,3-Dichloropropane	10.73	76	3590	1.116	ug/l #	42
59) 2-Hexanone	10.74	43	56766	30.043	ug/l #	54
74) N-amyl acetate	12.01	43	2915	0.959	ug/l #	45
76) 1,2,3-Trichloropropane	12.38	75	63489	28.978	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	2004	0.355	ug/l	93
81) trans-1,4-Dichloro-2-buten	12.38	75	63489	80.669	ug/l #	12

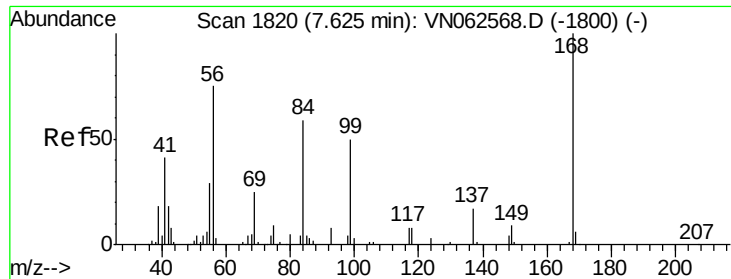
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jul 21 18:48:59 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: VN062692.D

Acq: 31 Jul 2020 17:55

Instrument :

MSVOA_N

ClientSampleId :

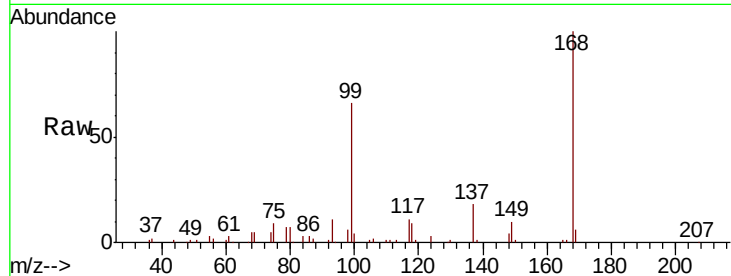
PB130640ZHE#15

Tot Ion:168 Resp: 126313

Ion Ratio Lower Upper

168 100

99 66.3 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): VN062692.D (-1727) (-)

Ion 98.90 (98.60 to 99.60): VN062692.D (-1727) (-)

7.63

60000

50000

40000

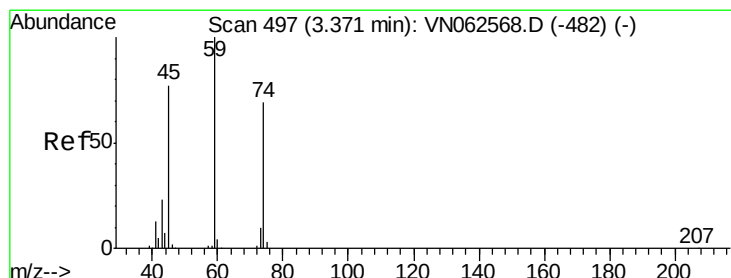
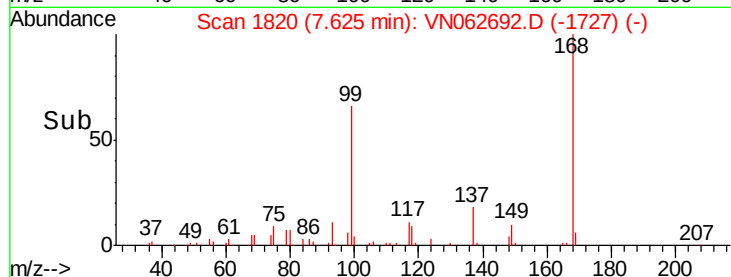
30000

20000

10000

0

Time--> 7.50 7.60 7.70



#8

Diethyl Ether

Concen: 1.249 ug/l

RT: 3.37 min Scan# 496

Delta R.T. -0.00 min

Lab File: VN062692.D

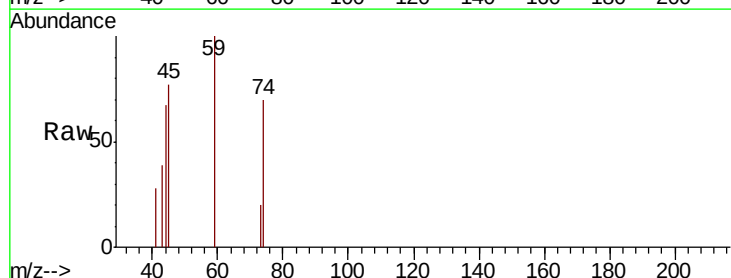
Acq: 31 Jul 2020 17:55

Tgt Ion: 74 Resp: 1215

Ion Ratio Lower Upper

74 100

45 115.5 55.3 165.8



Abundance Ion 74.00 (73.70 to 74.70): VN062692.D (-404) (-)

Ion 45.00 (44.70 to 45.70): VN062692.D (-404) (-)

3.37

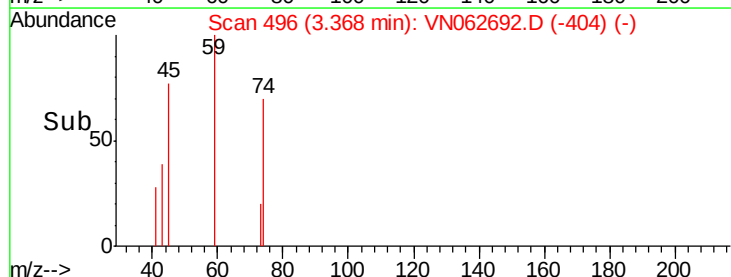
600

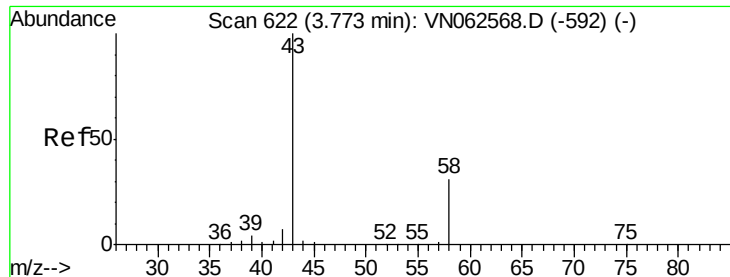
400

200

0

Time--> 3.35 3.40





#16

Acetone

Concen: 20.925 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.01 min

Lab File: VN062692.D

Acq: 31 Jul 2020 17:55

Instrument :

MSVOA_N

ClientSampleId :

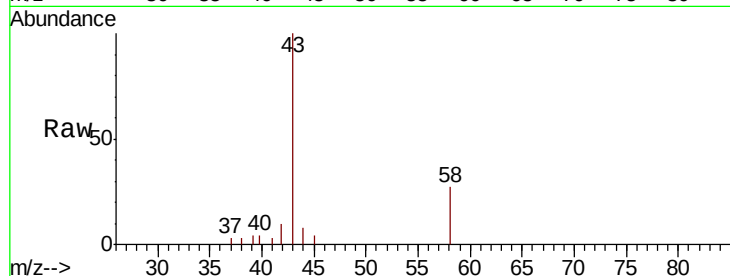
PB130640ZHE#15

Tot Ion: 43 Resp: 15451

Ion Ratio Lower Upper

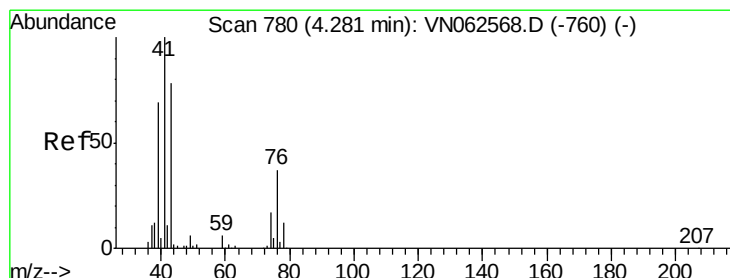
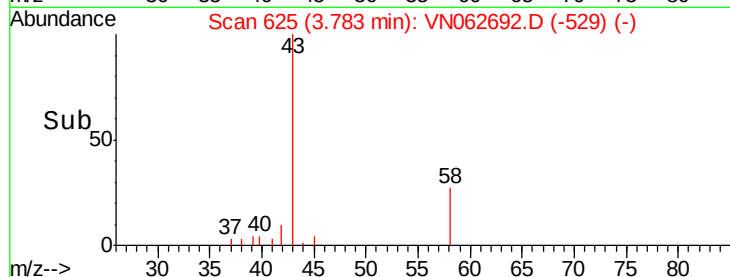
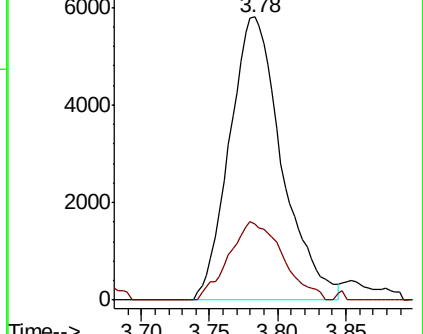
43 100

58 26.9 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VN062692.D (-529) (-)

Ion 58.00 (57.70 to 58.70): VN062692.D (-529) (-)



#18

Methyl Acetate

Concen: 3.477 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.01 min

Lab File: VN062692.D

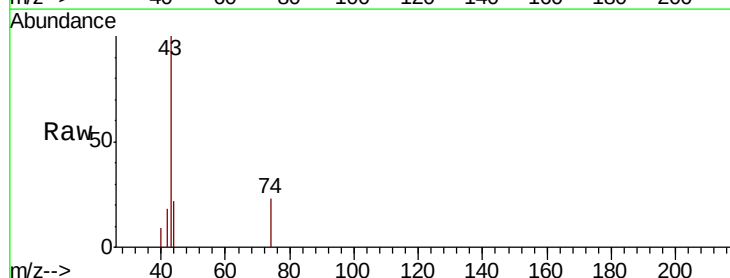
Acq: 31 Jul 2020 17:55

Tgt Ion: 43 Resp: 6500

Ion Ratio Lower Upper

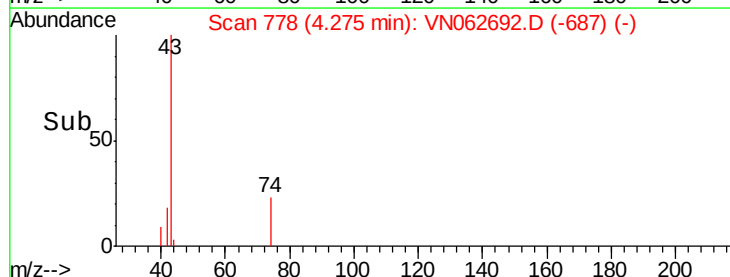
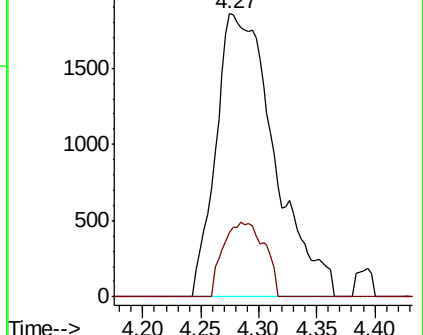
43 100

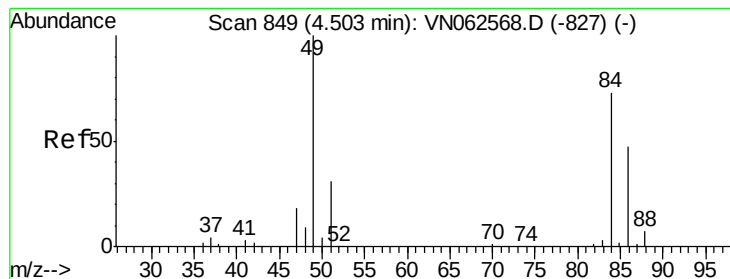
74 18.6 16.6 24.8



Abundance Ion 43.00 (42.70 to 43.70): VN062692.D (-687) (-)

Ion 74.00 (73.70 to 74.70): VN062692.D (-687) (-)





#20

Methylene Chloride

Concen: 9.265 ug/l

RT: 4.50 min Scan# 847

Delta R.T. -0.01 min

Lab File: VN062692.D

Acq: 31 Jul 2020 17:55

Instrument :

MSVOA_N

ClientSampleId :

PB130640ZHE#15

Tot Ion: 84 Resp: 16408

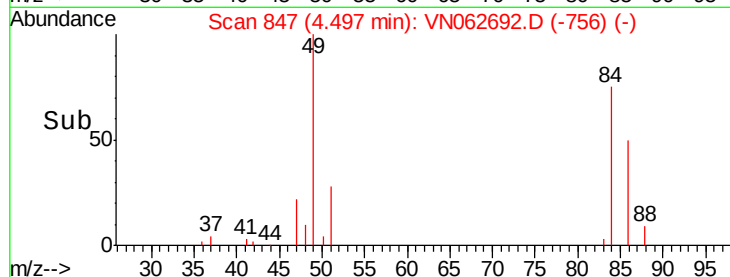
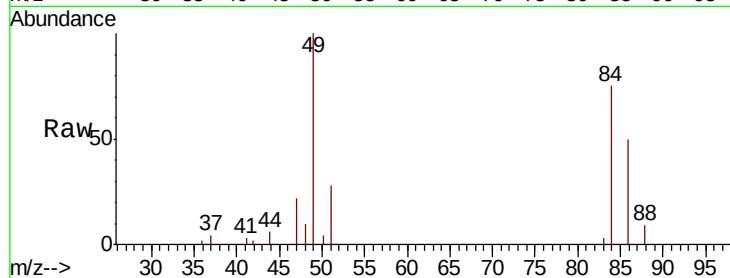
Ion Ratio Lower Upper

84 100

49 132.9 109.4 164.0

51 37.2 33.6 50.4

86 66.8 51.4 77.2



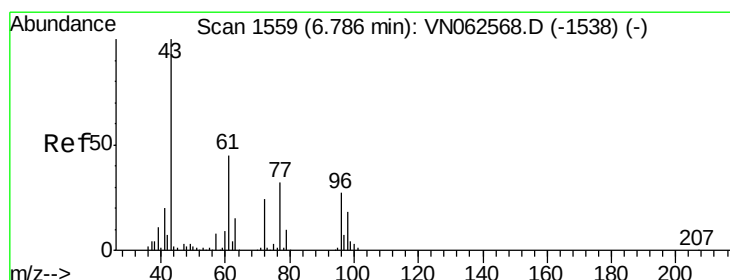
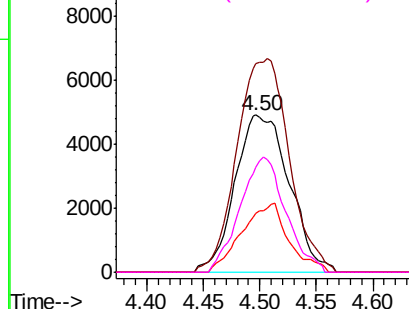
Abundance

Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#25

2-Butanone

Concen: 0.812 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.01 min

Lab File: VN062692.D

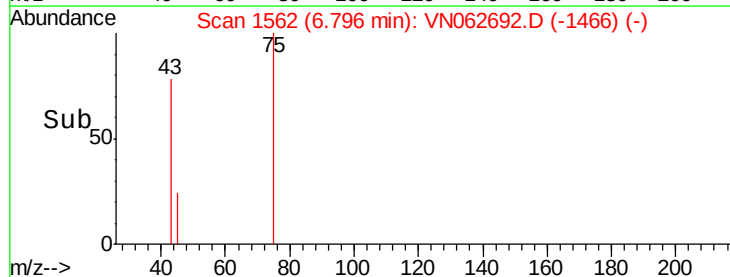
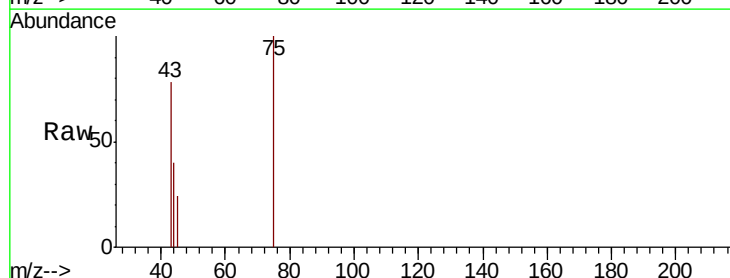
Acq: 31 Jul 2020 17:55

Tgt Ion: 43 Resp: 913

Ion Ratio Lower Upper

43 100

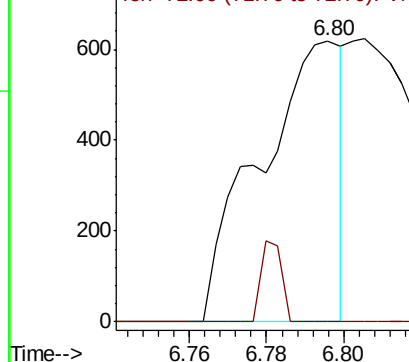
72 0.0 19.0 28.6#

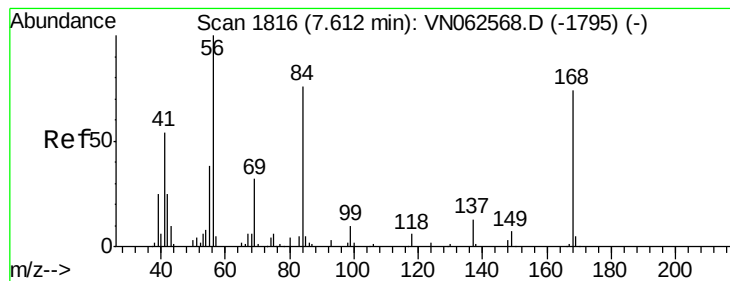


Abundance

Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0





#31

Cyclohexane

Concen: 1.163 ug/l

RT: 7.62 min Scan# 1816

Delta R.T. 0.01 min

Lab File: VN062692.D

Acq: 31 Jul 2020 17:55

Instrument :

MSVOA_N

ClientSampleId :

PB130640ZHE#15

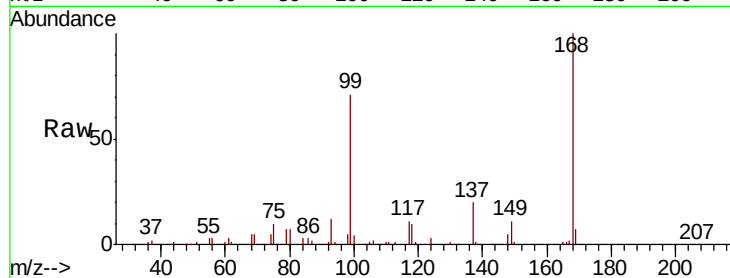
Tot Ion: 56 Resp: 3362

Ion Ratio Lower Upper

56 100

69 157.0 25.3 37.9#

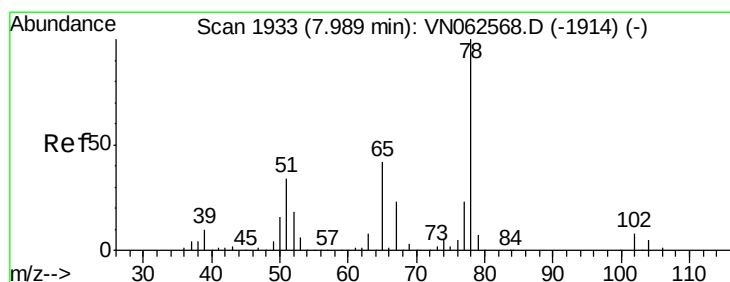
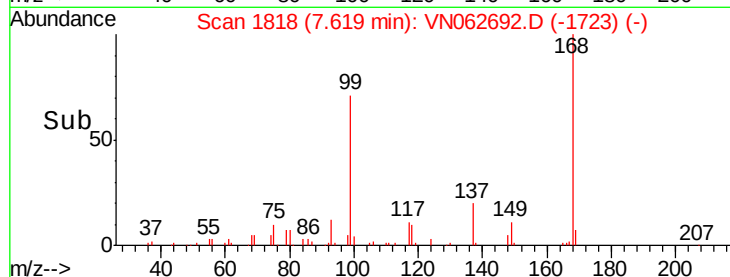
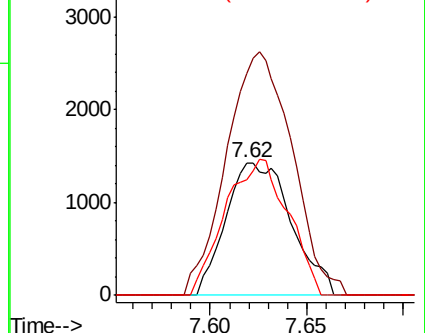
84 87.2 61.0 91.4



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: 58.378 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN062692.D

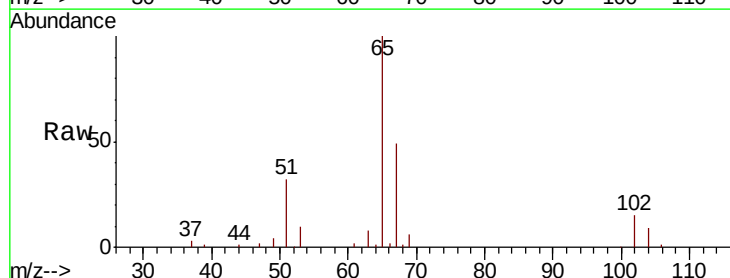
Acq: 31 Jul 2020 17:55

Tgt Ion: 65 Resp: 114550

Ion Ratio Lower Upper

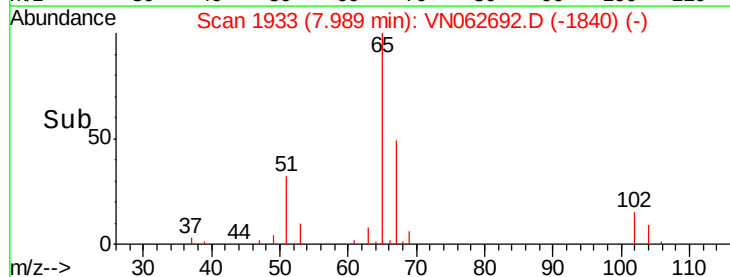
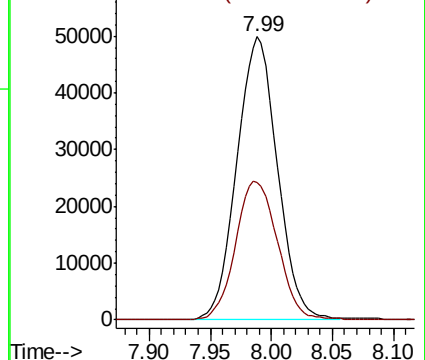
65 100

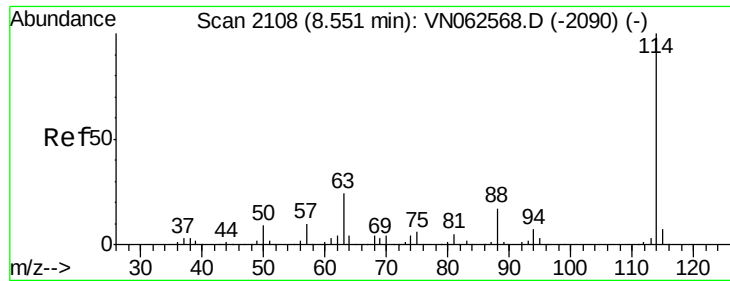
67 50.8 0.0 106.0



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

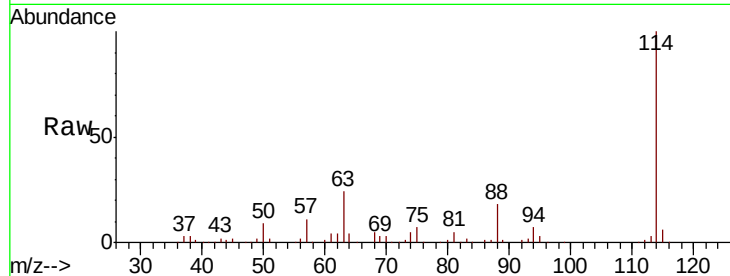




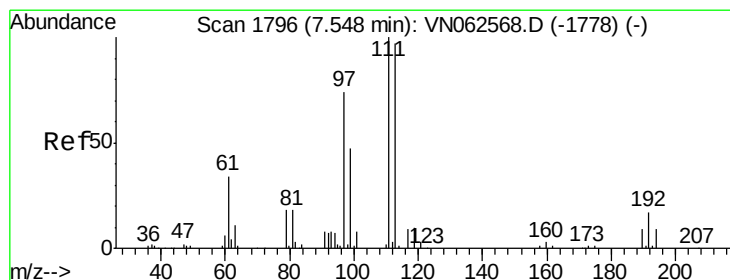
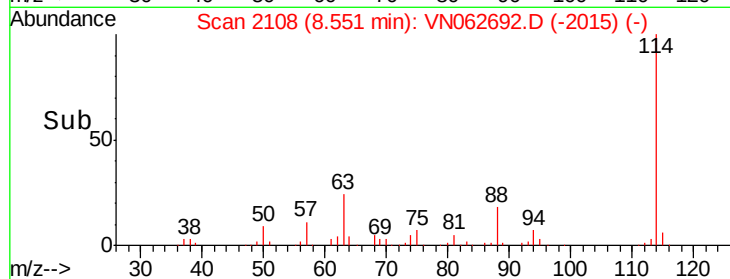
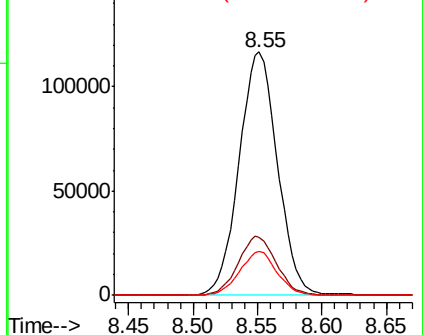
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2108
Delta R.T. 0.00 min
Lab File: VN062692.D
Acq: 31 Jul 2020 17:55

Instrument :
MSVOA_N
ClientSampleId :
PB130640ZHE#15

Tot Ion:114 Resp: 241642
Ion Ratio Lower Upper
114 100
63 23.9 0.0 48.4
88 18.1 0.0 33.8

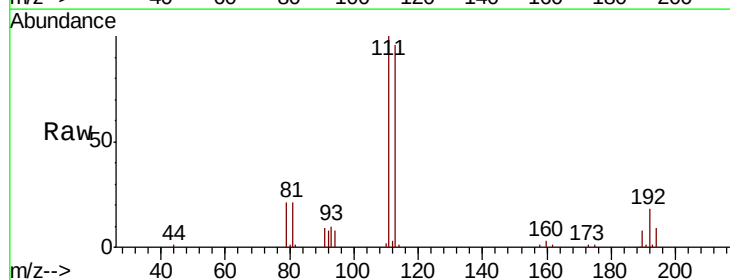


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

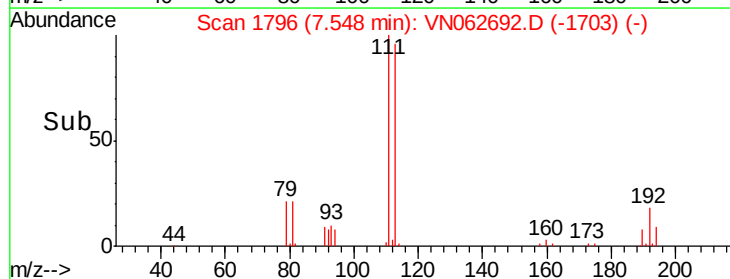
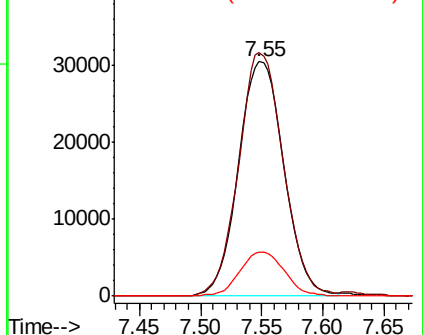


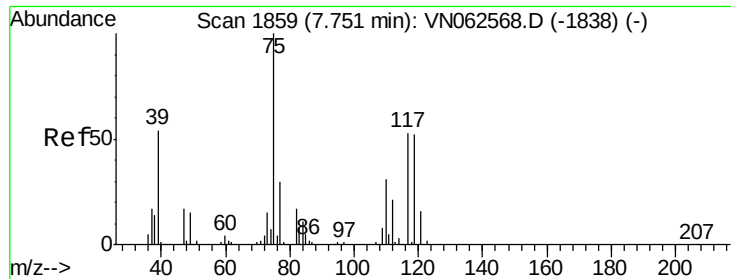
#35
Dibromofluoromethane
Concen: 49.646 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN062692.D
Acq: 31 Jul 2020 17:55

Tgt Ion:113 Resp: 78800
Ion Ratio Lower Upper
113 100
111 101.7 82.7 124.1
192 18.4 14.8 22.2



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

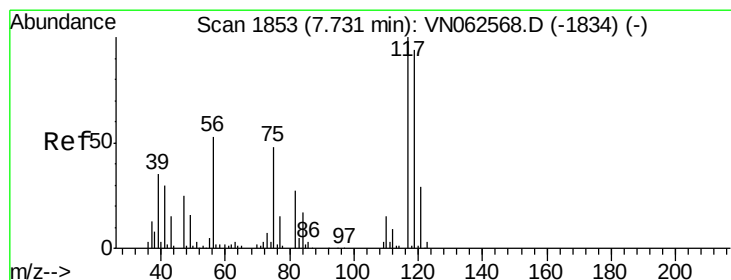
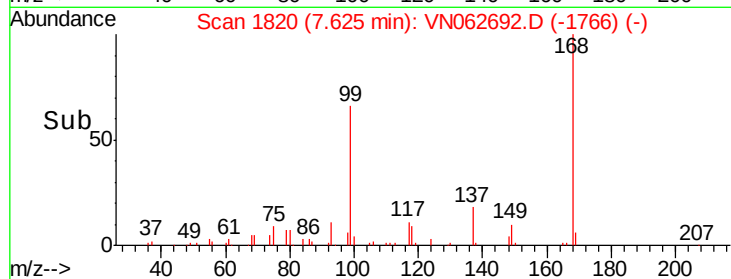
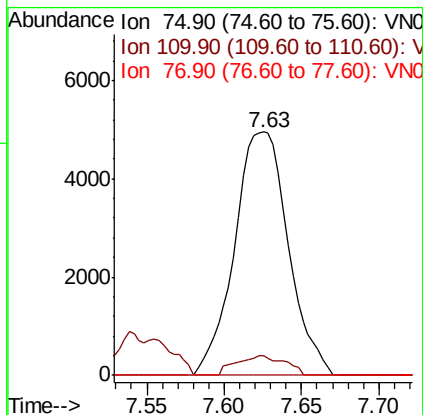
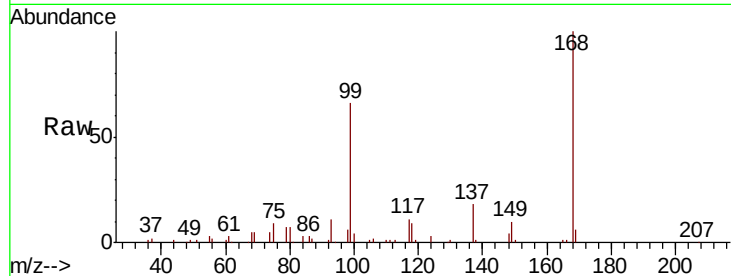




#36
 1,1-Dichloropropene
 Concen: 4.650 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062692.D
 Acq: 31 Jul 2020 17:55

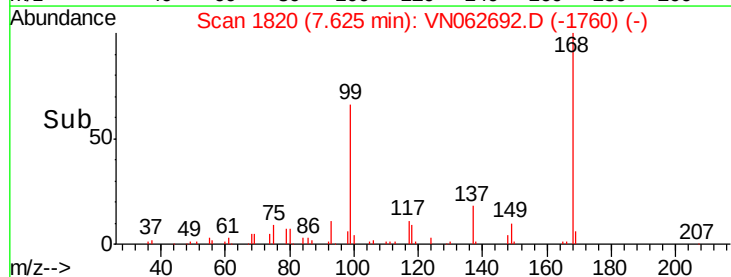
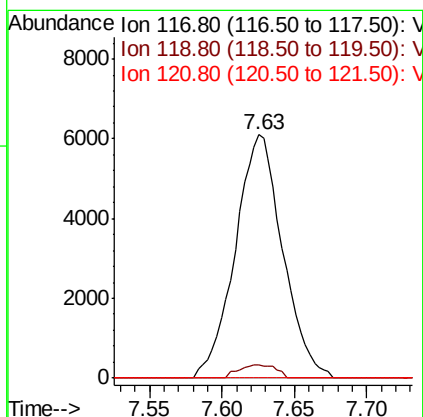
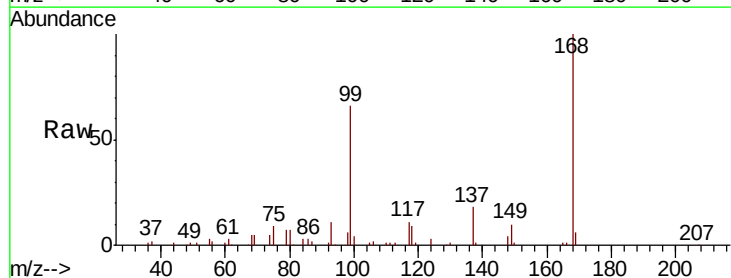
Instrument :
 MSVOA_N
 ClientSampleId :
 PB130640ZHE#15

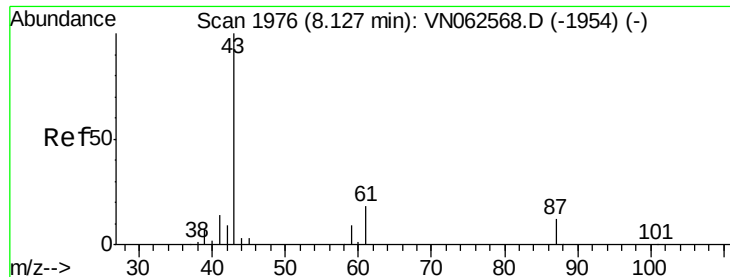
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.2	16.0	48.0#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 5.594 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.11 min
 Lab File: VN062692.D
 Acq: 31 Jul 2020 17:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.3	74.8	112.2#
121	0.0	23.0	34.6#





#43

Isopropyl Acetate

Concen: 11.121 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN062692.D

Acq: 31 Jul 2020 17:55

Instrument :

MSVOA_N

ClientSampleId :

PB130640ZHE#15

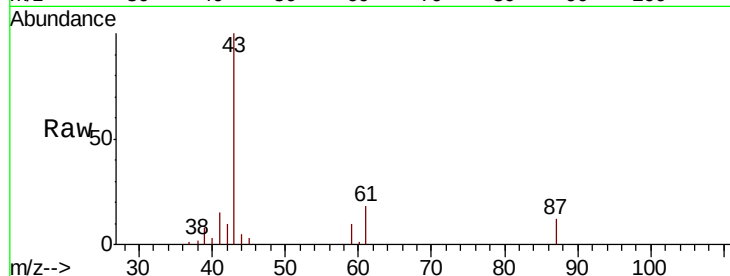
Tot Ion: 43 Resp: 49773

Ion Ratio Lower Upper

43 100

61 18.3 20.8 31.2#

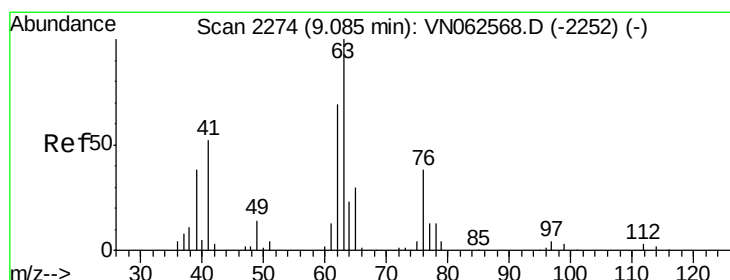
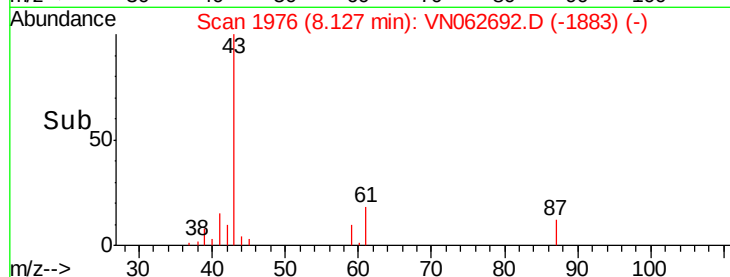
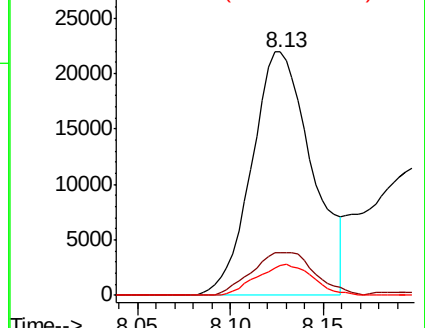
87 11.8 9.2 13.8



Abundance Ion 43.00 (42.70 to 43.70): VN062692.D (-1883) (-)

Ion 61.00 (60.70 to 61.70): VN062692.D (-1883) (-)

Ion 87.00 (86.70 to 87.70): VN062692.D (-1883) (-)



#45

1,2-Dichloropropane

Concen: 0.373 ug/l

RT: 9.24 min Scan# 2321

Delta R.T. 0.15 min

Lab File: VN062692.D

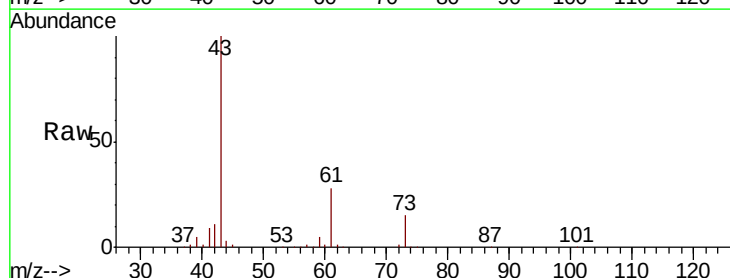
Acq: 31 Jul 2020 17:55

Tgt Ion: 63 Resp: 816

Ion Ratio Lower Upper

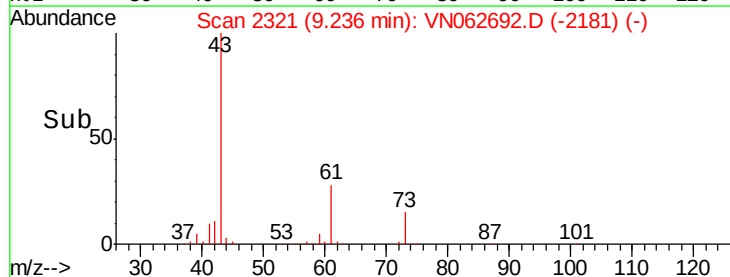
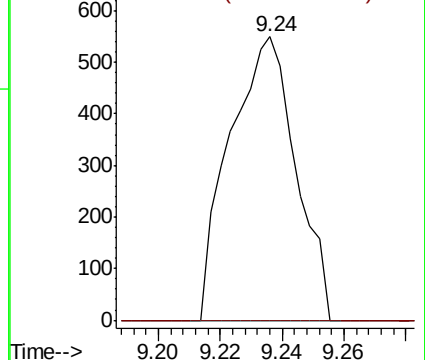
63 100

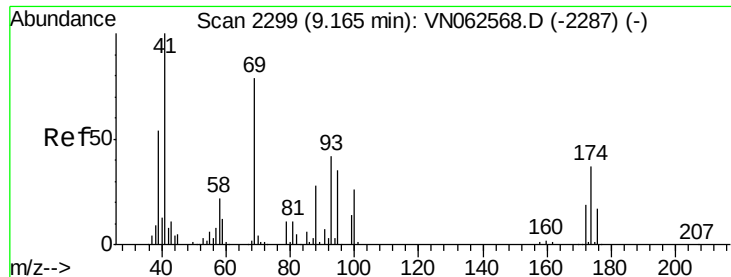
65 0.0 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VN062692.D (-2181) (-)

Ion 64.90 (64.60 to 65.60): VN062692.D (-2181) (-)

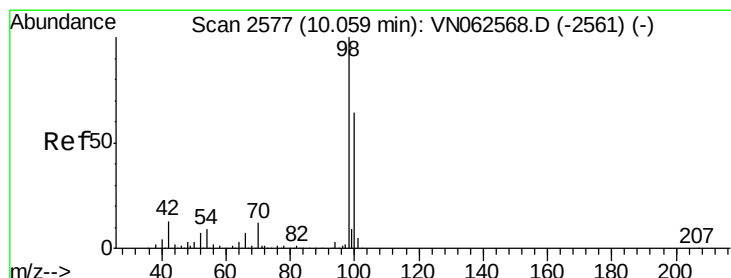
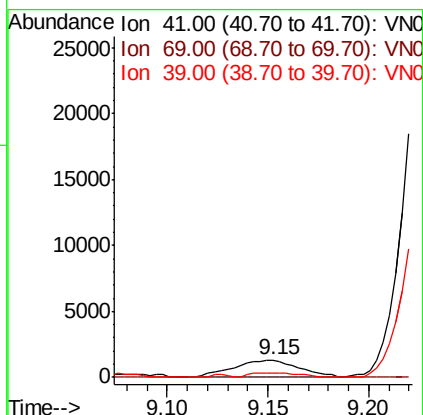
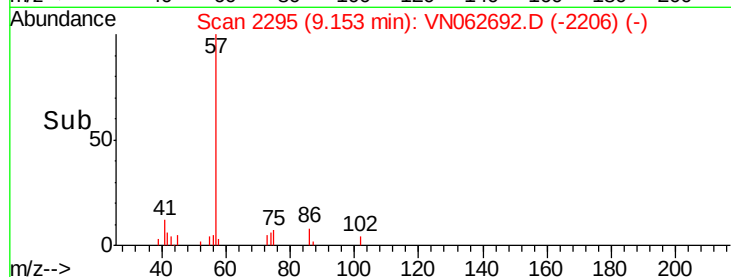
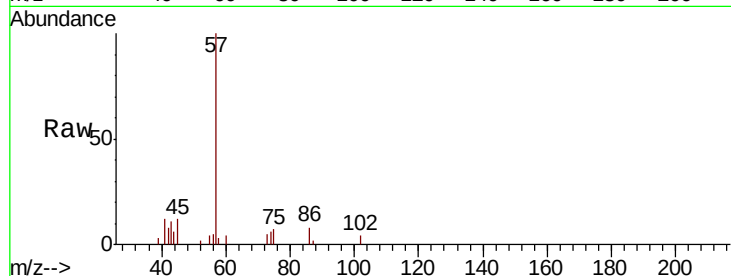




#48
Methvl methacrylate
Concen: 1.391 ug/l
RT: 9.15 min Scan# 2295
Delta R.T. -0.01 min
Lab File: VN062692.D
Acq: 31 Jul 2020 17:55

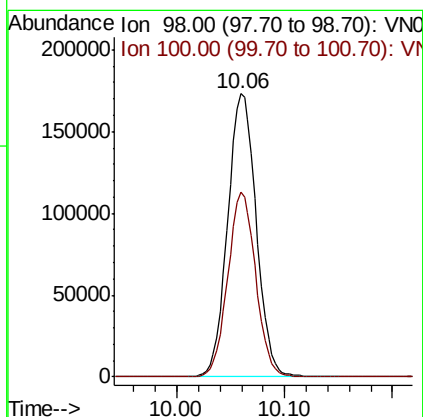
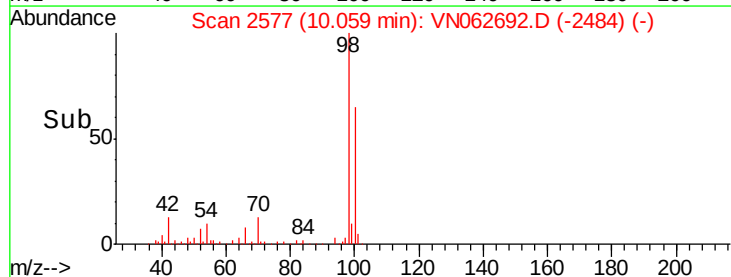
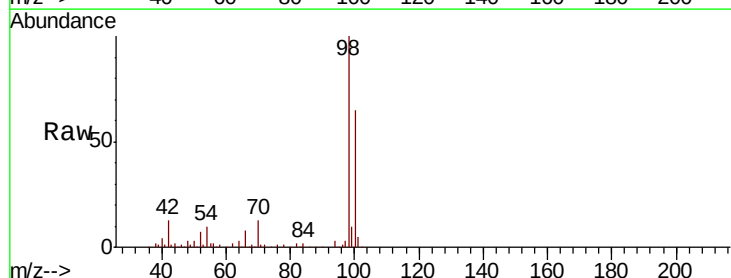
Instrument :
MSVOA_N
ClientSampleId :
PB130640ZHE#15

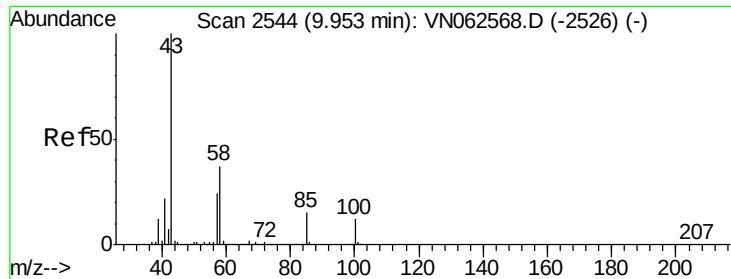
Tot Ion: 41 Resp: 2959
Ion Ratio Lower Upper
41 100
69 0.0 64.4 96.6#
39 0.0 43.5 65.3#



#50
Toluene-d8
Concen: 50.383 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062692.D
Acq: 31 Jul 2020 17:55

Tgt Ion: 98 Resp: 319072
Ion Ratio Lower Upper
98 100
100 63.6 50.9 76.3

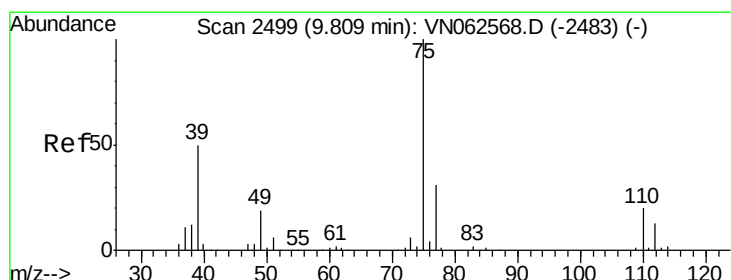
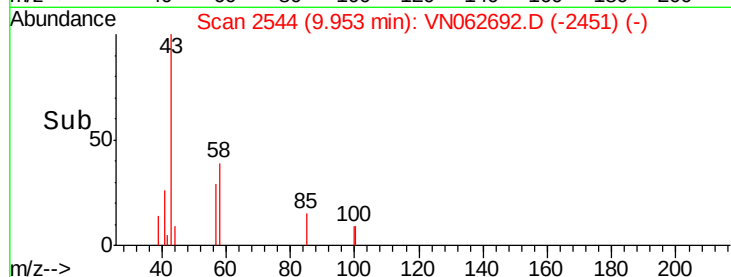
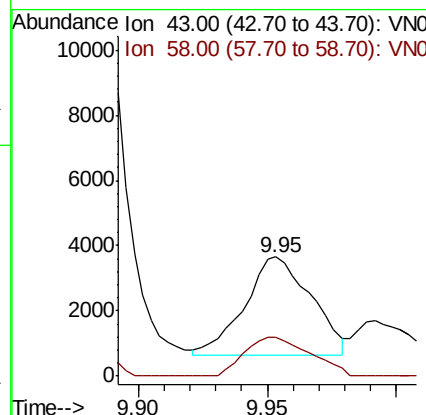
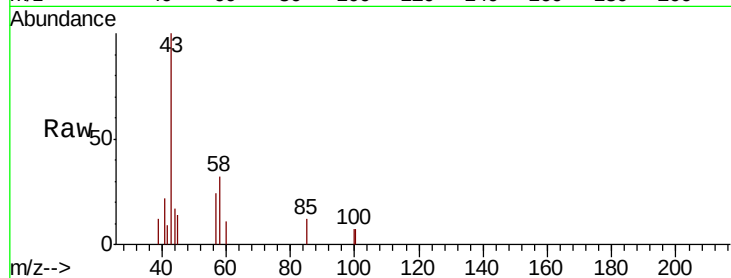




#51
4-Methyl-2-Pentanone
Concen: 2.034 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. 0.00 min
Lab File: VN062692.D
Acq: 31 Jul 2020 17:55

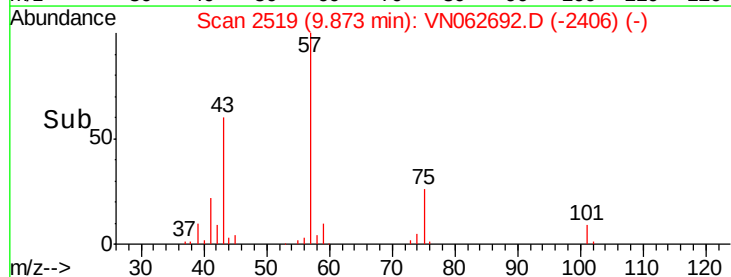
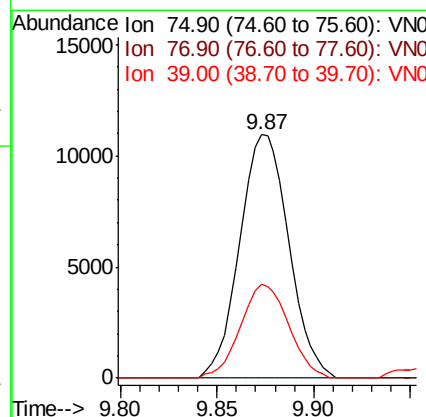
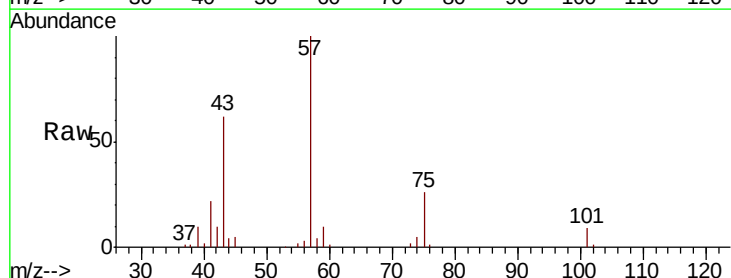
Instrument :
MSVOA_N
ClientSampleId :
PB130640ZHE#15

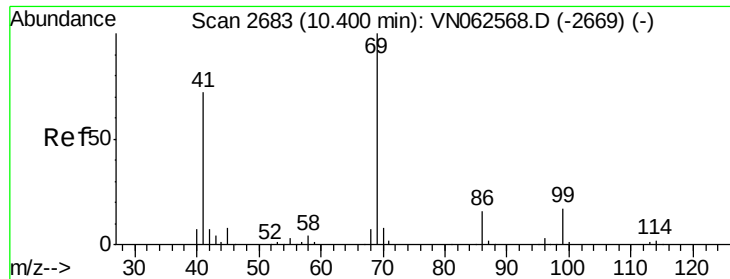
Tot Ion: 43 Resp: 5447
Ion Ratio Lower Upper
43 100
58 38.8 29.8 44.6



#54
cis-1,3-Dichloropropene
Concen: 5.916 ug/l
RT: 9.87 min Scan# 2519
Delta R.T. 0.06 min
Lab File: VN062692.D
Acq: 31 Jul 2020 17:55

Tgt Ion: 75 Resp: 19372
Ion Ratio Lower Upper
75 100
77 0.0 25.0 37.6#
39 38.5 39.8 59.8#





#56

Ethyl methacrylate

Concen: 2.124 ug/l

RT: 10.52 min Scan# 2719

Delta R.T. 0.12 min

Lab File: VN062692.D

Acq: 31 Jul 2020 17:55

Instrument :

MSVOA_N

ClientSampleId :

PB130640ZHE#15

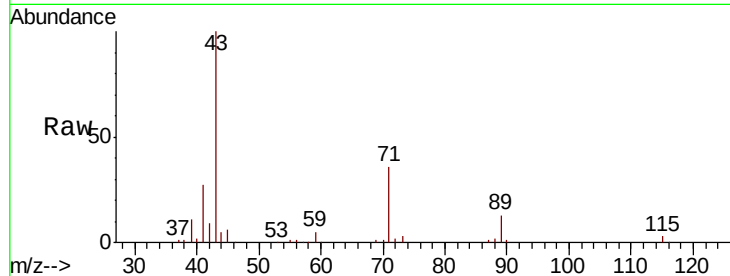
Tot Ion: 69 Resp: 1160

Ion Ratio Lower Upper

69 100

41 3620.4 57.2 85.8#

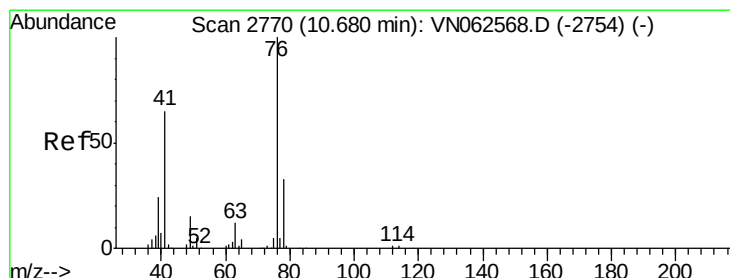
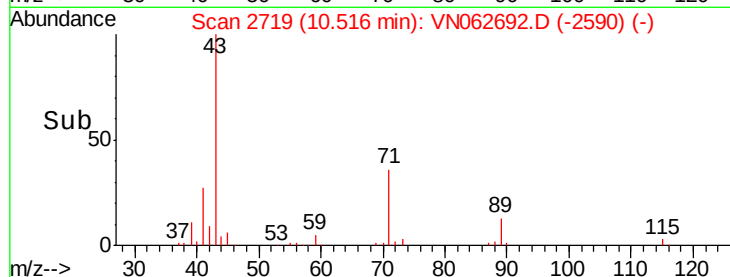
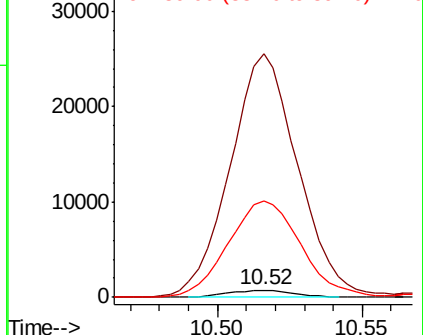
39 1524.1 28.6 43.0#



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#57

1,3-Dichloropropane

Concen: 1.116 ug/l

RT: 10.73 min Scan# 2787

Delta R.T. 0.05 min

Lab File: VN062692.D

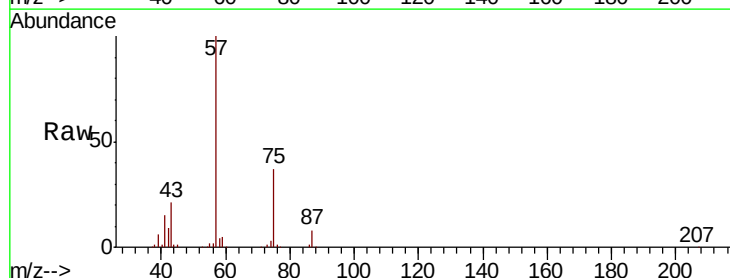
Acq: 31 Jul 2020 17:55

Tgt Ion: 76 Resp: 3590

Ion Ratio Lower Upper

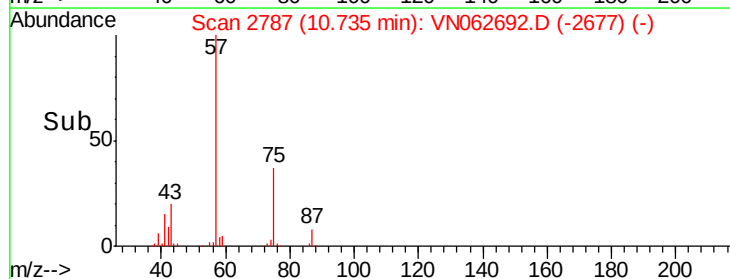
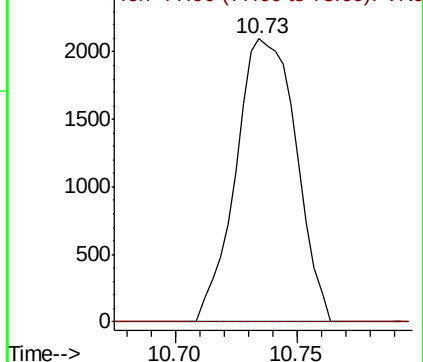
76 100

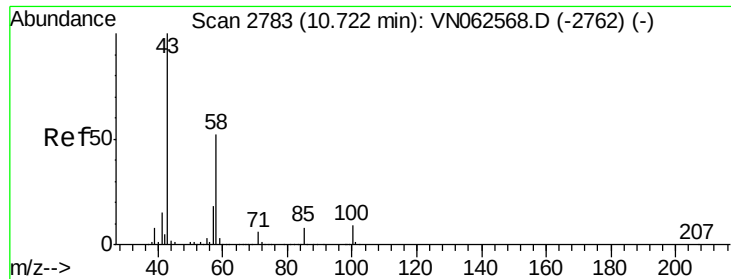
78 0.0 26.3 39.5#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0





#59

2-Hexanone

Concen: 30.043 ug/l

RT: 10.74 min Scan# 2788

Delta R.T. 0.02 min

Lab File: VN062692.D

Acq: 31 Jul 2020 17:55

Instrument :

MSVOA_N

ClientSampleId :

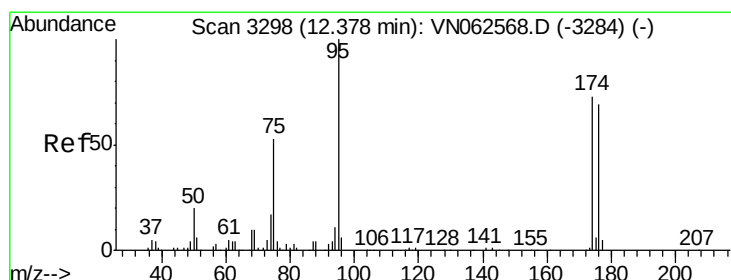
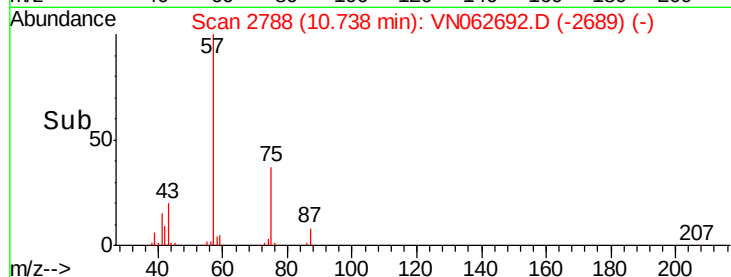
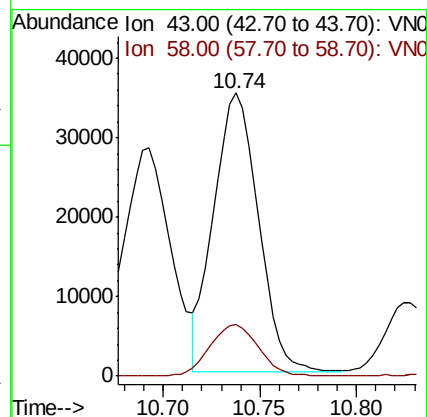
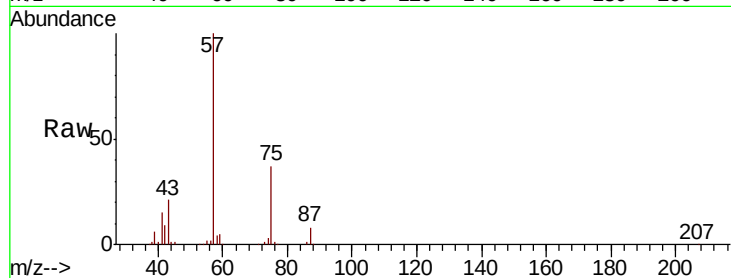
PB130640ZHE#15

Tot Ion: 43 Resp: 56766

Ion Ratio Lower Upper

43 100

58 20.0 26.0 78.0#



#62

4-Bromofluorobenzene

Concen: 48.706 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062692.D

Acq: 31 Jul 2020 17:55

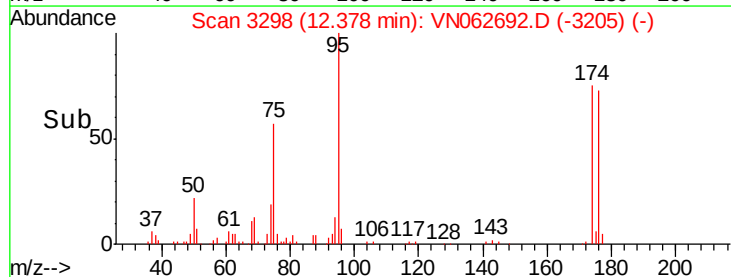
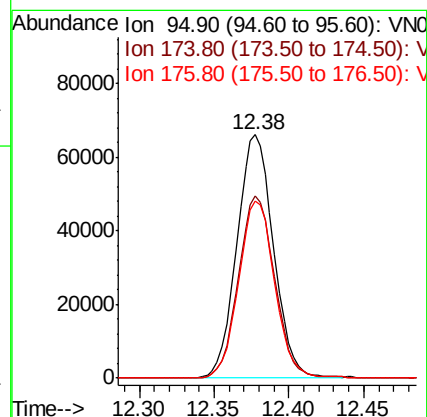
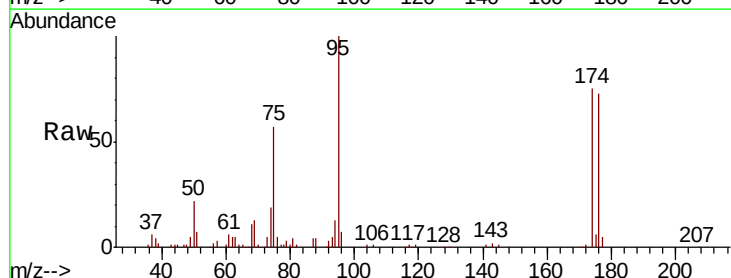
Tgt Ion: 95 Resp: 112785

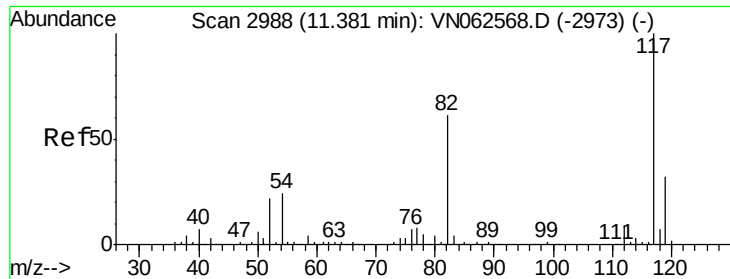
Ion Ratio Lower Upper

95 100

174 74.2 0.0 144.6

176 71.4 0.0 139.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. 0.00 min

Lab File: VN062692.D

Acq: 31 Jul 2020 17:55

Instrument :

MSVOA_N

ClientSampleId :

PB130640ZHE#15

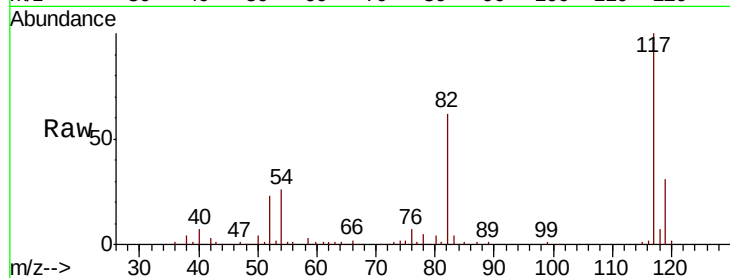
Tot Ion:117 Resp: 245915

Ion Ratio Lower Upper

117 100

82 62.1 49.0 73.6

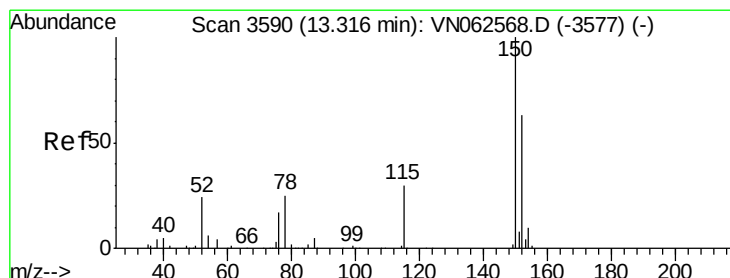
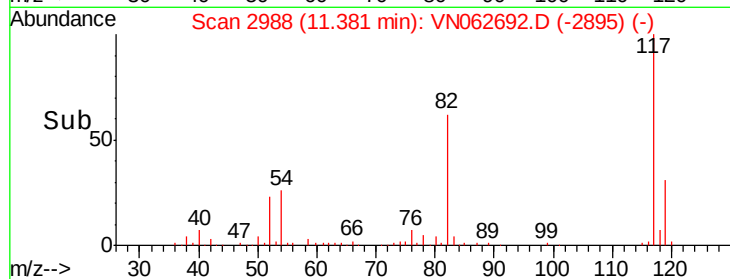
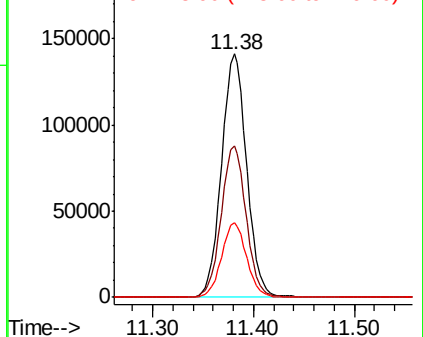
119 30.8 25.4 38.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): 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: VN062692.D

Acq: 31 Jul 2020 17:55

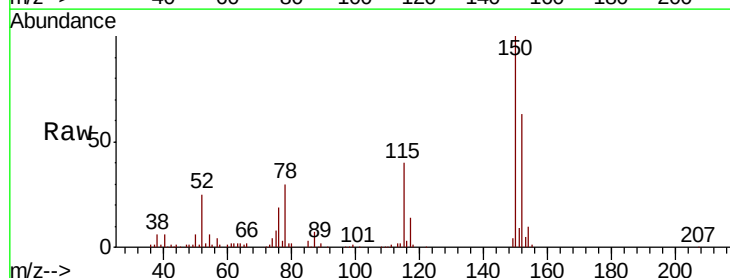
Tgt Ion:152 Resp: 86075

Ion Ratio Lower Upper

152 100

115 62.5 31.8 95.4

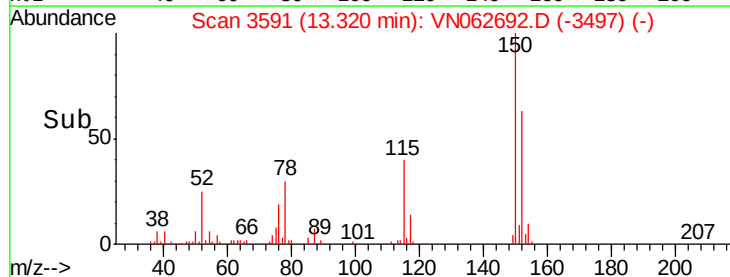
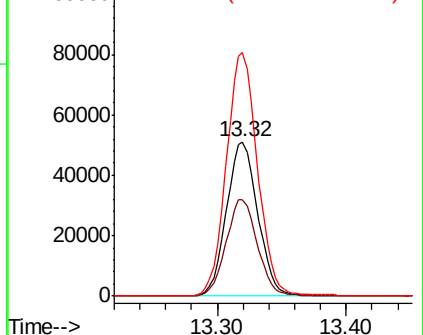
150 156.6 0.0 351.4

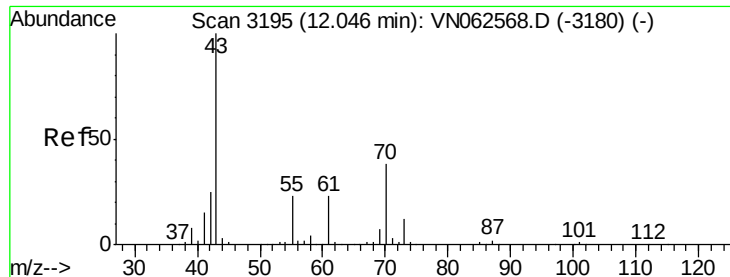


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 0.959 ug/l

RT: 12.01 min Scan# 3183

Delta R.T. -0.04 min

Lab File: VN062692.D

Acq: 31 Jul 2020 17:55

Instrument :

MSVOA_N

ClientSampleId :

PB130640ZHE#15

Tot Ion: 43 Resp: 2915

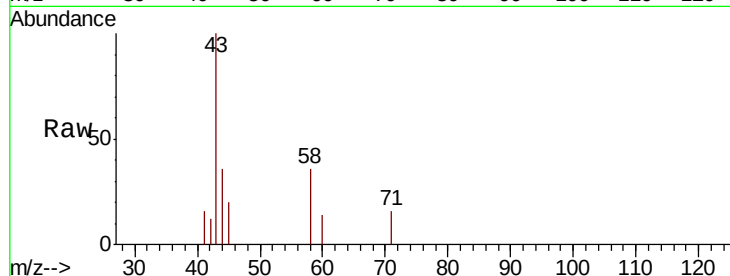
Ion Ratio Lower Upper

43 100

70 0.0 30.5 45.7#

55 0.0 19.0 28.6#

61 0.0 18.4 27.6#

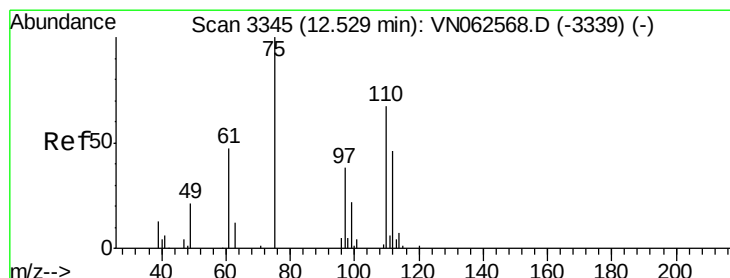
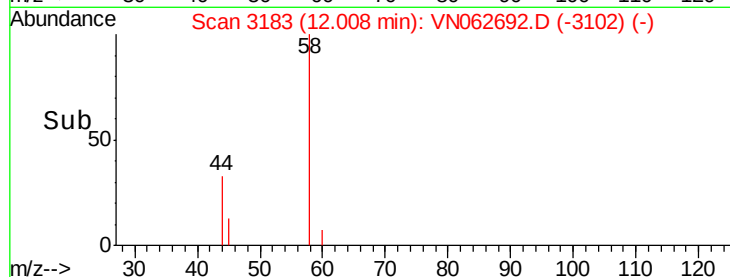
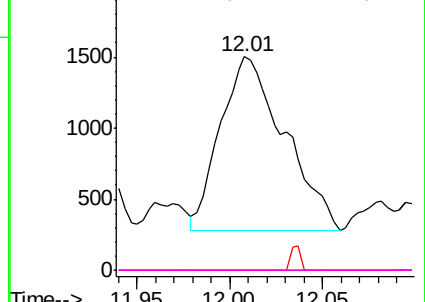


Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 28.978 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062692.D

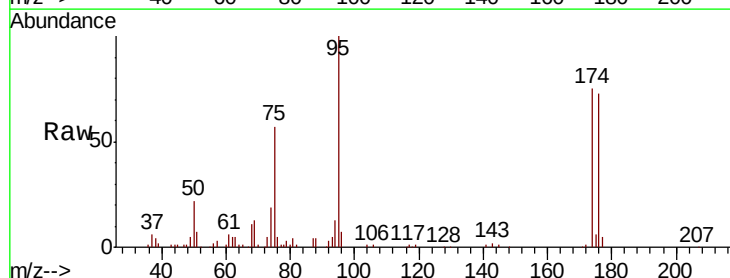
Acq: 31 Jul 2020 17:55

Tgt Ion: 75 Resp: 63489

Ion Ratio Lower Upper

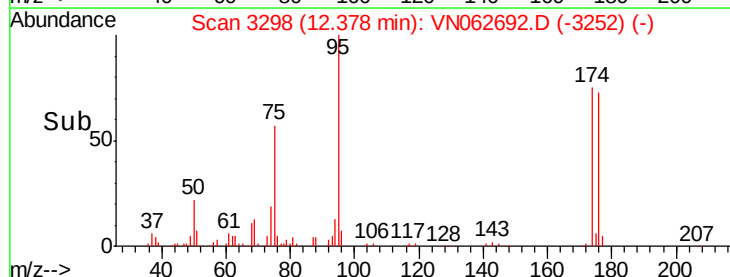
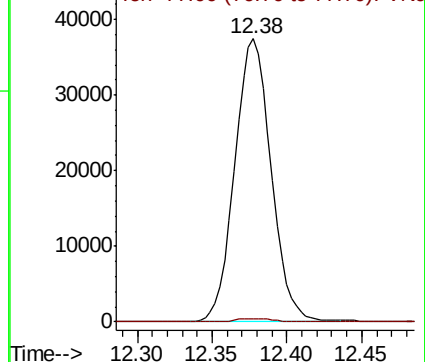
75 100

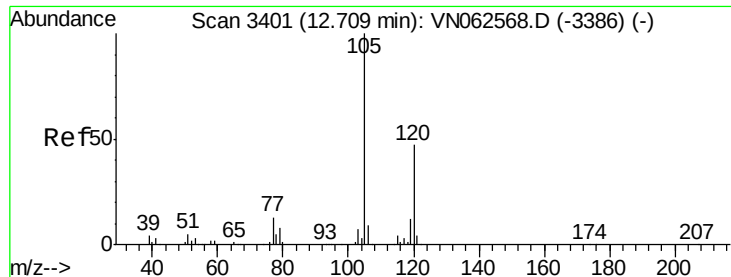
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

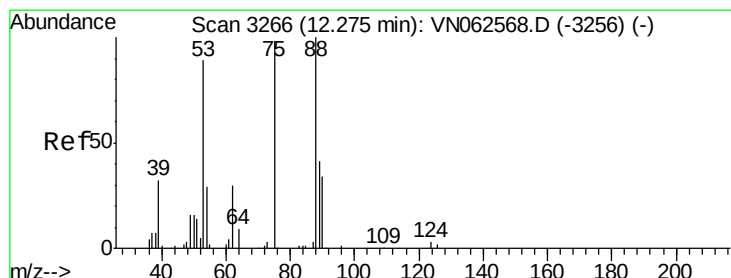
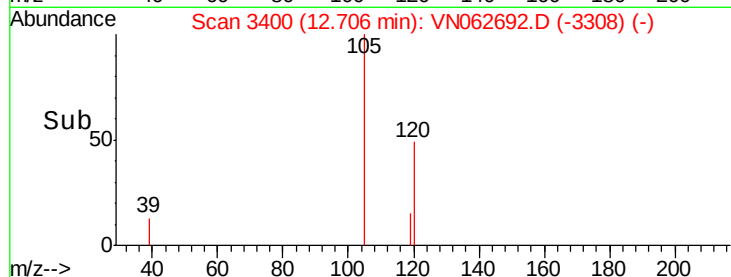
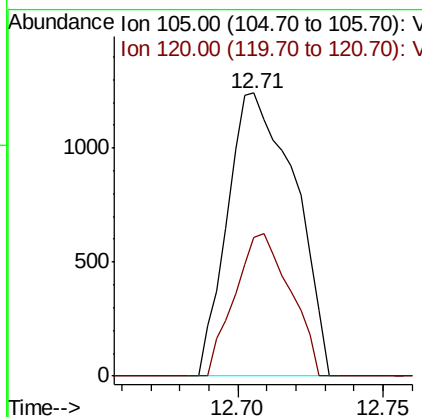
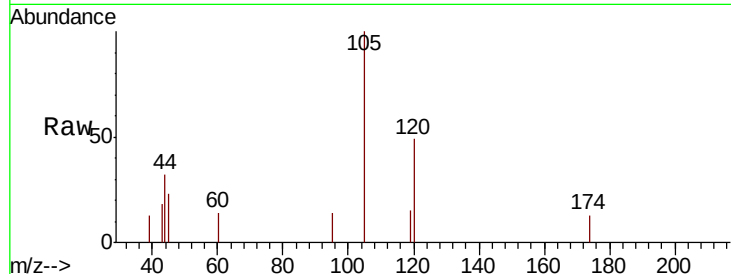




#80
 1,3,5-Trimethylbenzene
 Concen: 0.355 ug/l
 RT: 12.71 min Scan# 3400
 Delta R.T. -0.00 min
 Lab File: VN062692.D
 Acq: 31 Jul 2020 17:55

Instrument :
 MSVOA_N
 ClientSampleId :
 PB130640ZHE#15

Tot Ion:105 Resp: 2004
 Ion Ratio Lower Upper
 105 100
 120 41.5 23.2 69.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 80.669 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.10 min
 Lab File: VN062692.D
 Acq: 31 Jul 2020 17:55

Tgt Ion: 75 Resp: 63489
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.4 113.0#
 89 0.0 34.5 51.7#

