

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070120\
 Data File : VN062297.D
 Acq On : 1 Jul 2020 17:18
 Operator : JC/MD
 Sample : L3127-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP04-20200625

Quant Time: Jul 02 06:55:18 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	190901	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	366234	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	344143	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	119771	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	148567	55.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.92%	
35) Dibromofluoromethane	7.55	113	117061	49.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.64%	
50) Toluene-d8	10.06	98	466215	49.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.28%	
62) 4-Bromofluorobenzene	12.38	95	146800	46.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.52%	

Target Compounds

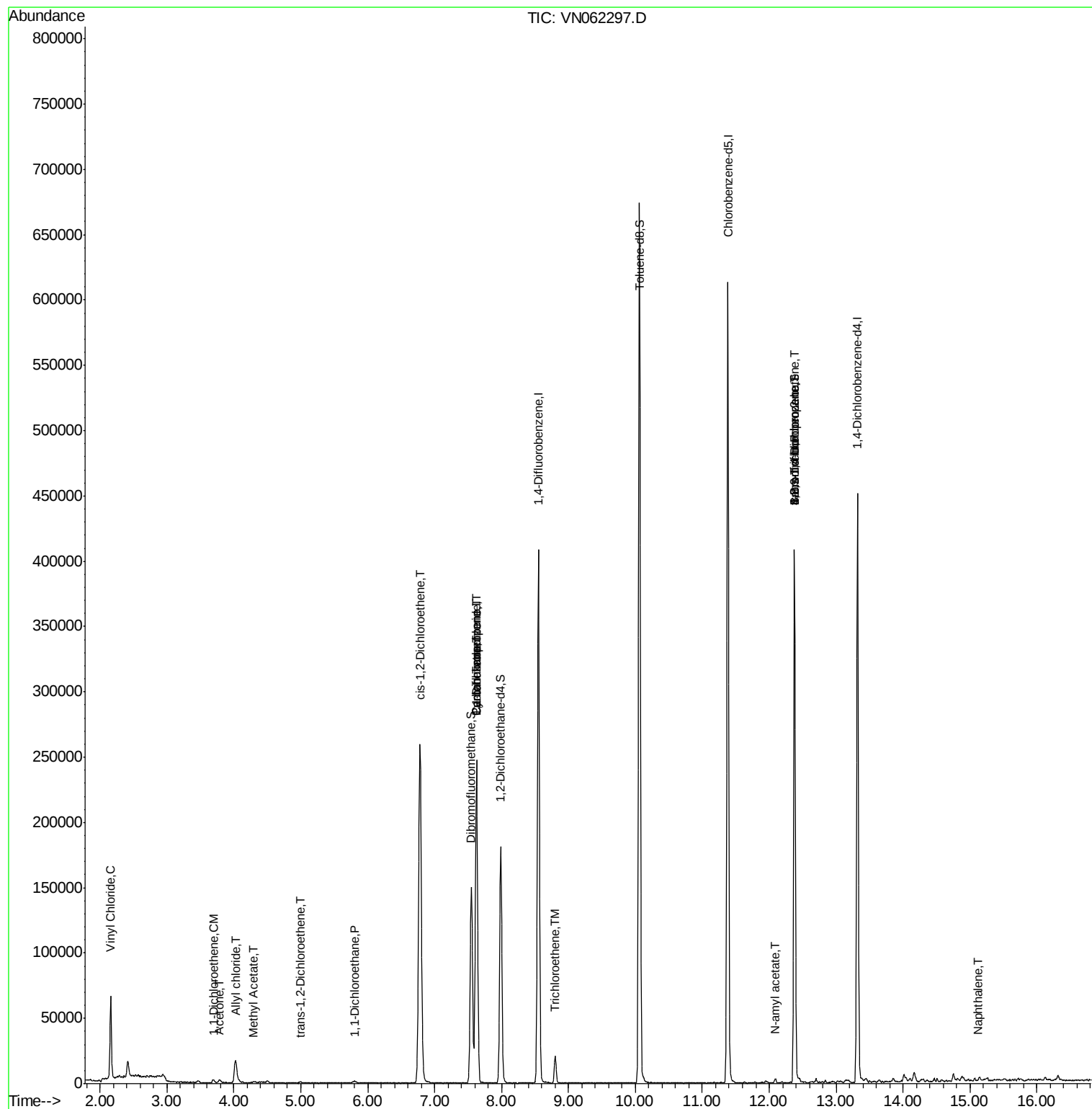
						Qvalue
3) Chloromethane	2.04	50	723	Below Cal		93
4) Vinyl Chloride	2.16	62	56932	16.754	ug/l	99
12) 1,1-Dichloroethene	3.70	96	1363	0.622	ug/l	82
14) Allyl chloride	4.02	41	2833	0.949	ug/l #	69
16) Acetone	3.79	43	3742	0.406	ug/l #	86
18) Methyl Acetate	4.29	43	751	0.353	ug/l #	46
20) Methylene Chloride	4.49	84	176	Below Cal	#	61
21) trans-1,2-Dichloroethene	4.99	96	512	0.205	ug/l #	37
24) 1,1-Dichloroethane	5.80	63	2559	0.585	ug/l #	82
27) cis-1,2-Dichloroethene	6.78	96	176472	62.803	ug/l	92
31) Cyclohexane	7.62	56	4616	1.247	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	17141	4.656	ug/l #	49
38) Carbon Tetrachloride	7.63	117	19931	5.743	ug/l #	14
44) Trichloroethene	8.80	130	7506	2.652	ug/l	99
71) Bromoform	12.38	173	826	0.445	ug/l #	1
74) N-amyl acetate	12.08	43	140	3.381	ug/l #	9
76) 1,2,3-Trichloropropane	12.38	75	76100	26.991	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	76100	78.822	ug/l #	13
95) Naphthalene	15.11	128	261	4.037	ug/l #	69

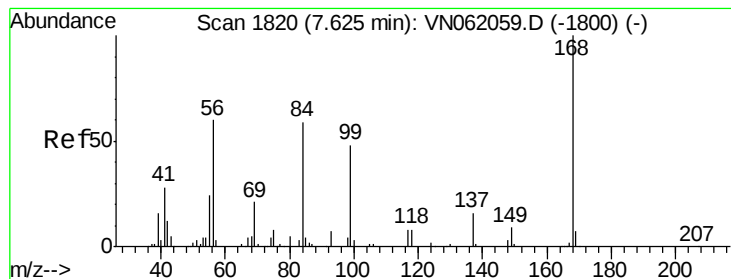
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN062297.D

Acq: 1 Jul 2020 17:18

Instrument :

MSVOA_N

ClientSampleId :

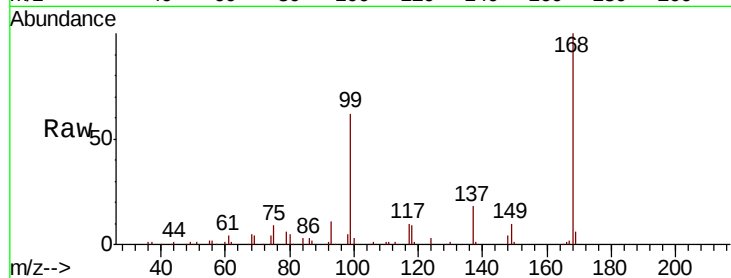
DUP04-20200625

Tot Ion:168 Resp: 190901

Ion Ratio Lower Upper

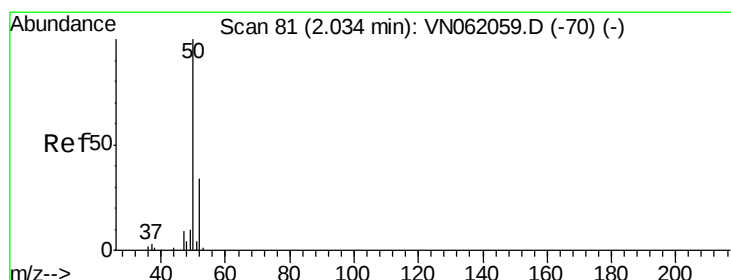
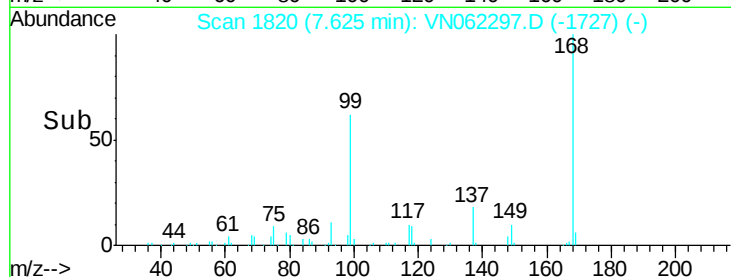
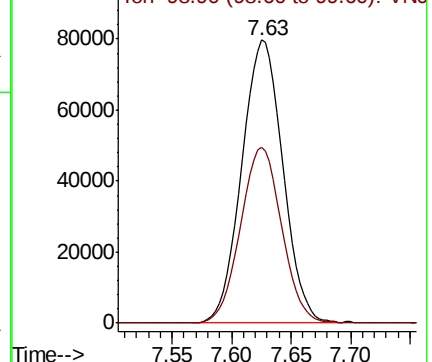
168 100

99 62.2 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#3

Chloromethane

Concen: Below Cal

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN062297.D

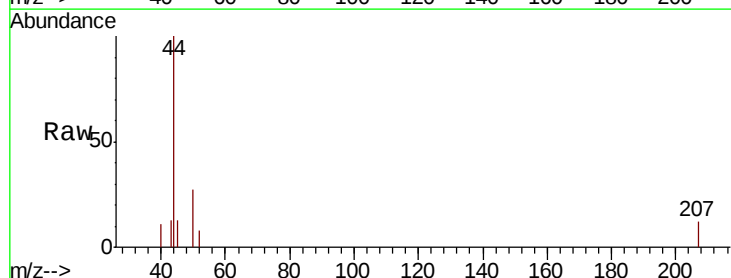
Acq: 1 Jul 2020 17:18

Tgt Ion: 50 Resp: 723

Ion Ratio Lower Upper

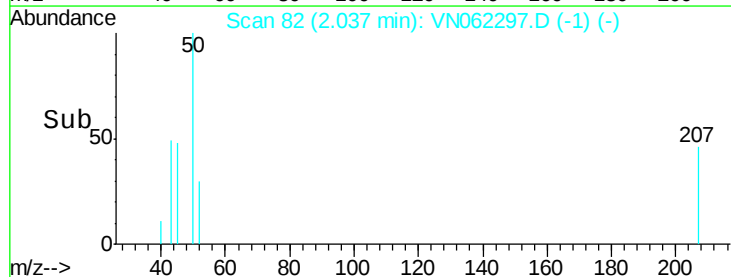
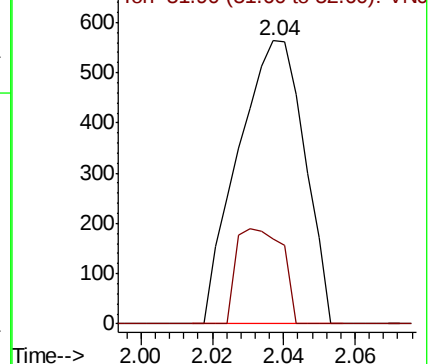
50 100

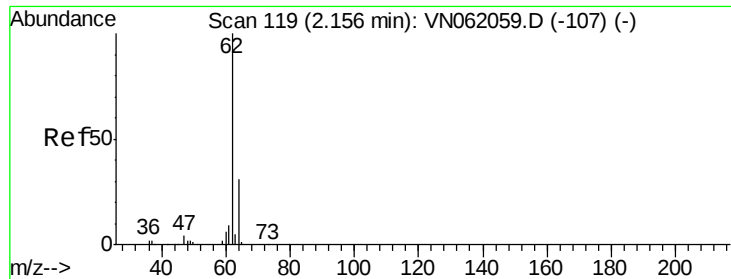
52 30.0 27.0 40.6



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0





#4

Vinyl Chloride

Concen: 16.754 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN062297.D

Acq: 1 Jul 2020 17:18

Instrument :

MSVOA_N

ClientSampleId :

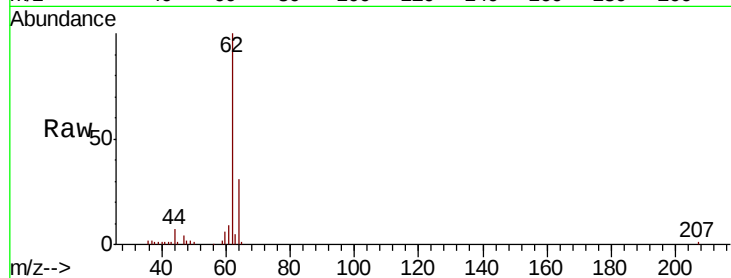
DUP04-20200625

Tot Ion: 62 Resp: 56932

Ion Ratio Lower Upper

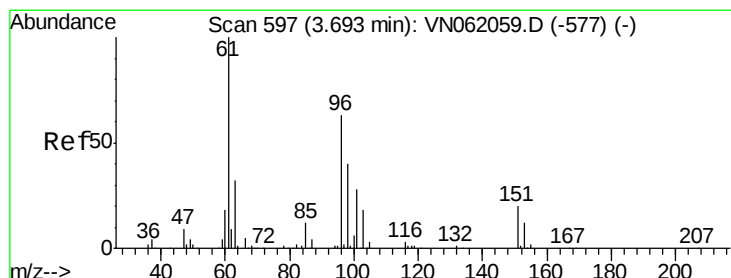
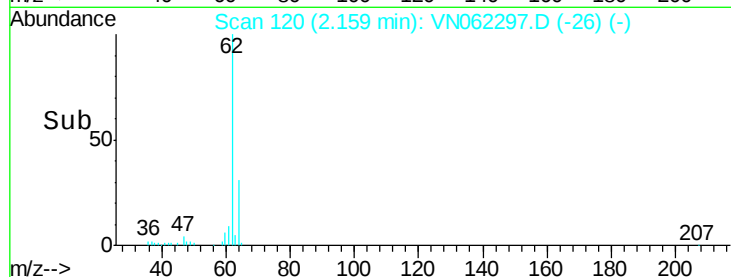
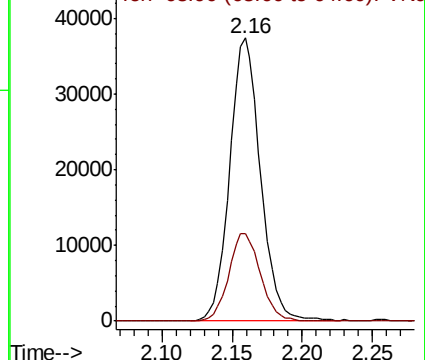
62 100

64 30.9 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0



#12

1,1-Dichloroethene

Concen: 0.622 ug/l

RT: 3.70 min Scan# 598

Delta R.T. 0.00 min

Lab File: VN062297.D

Acq: 1 Jul 2020 17:18

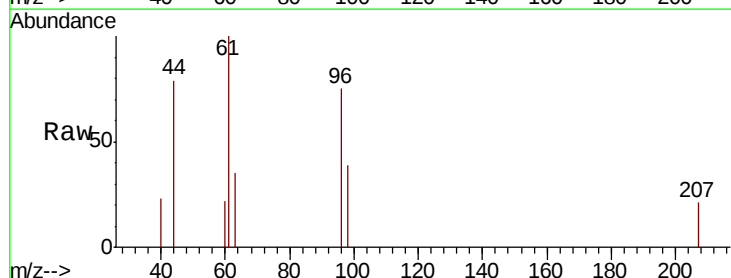
Tgt Ion: 96 Resp: 1363

Ion Ratio Lower Upper

96 100

61 132.7 126.7 190.1

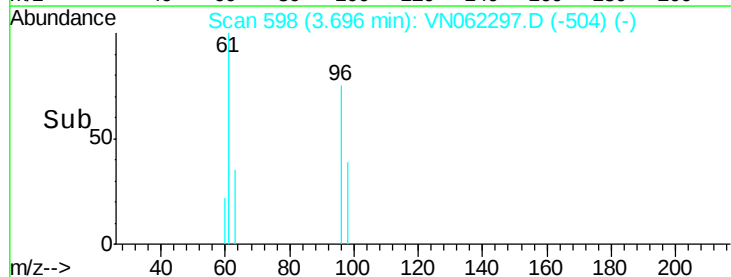
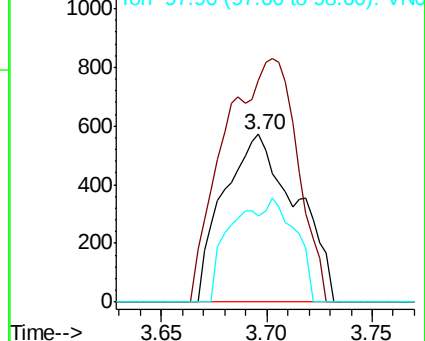
98 51.3 51.0 76.4

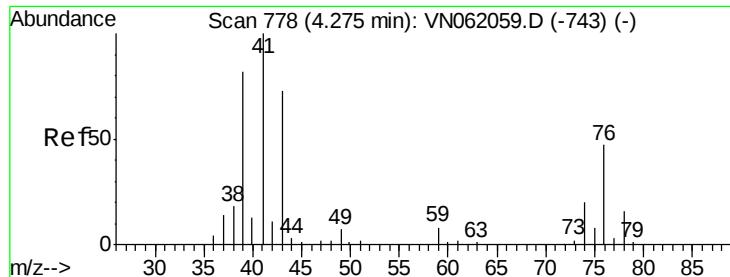


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

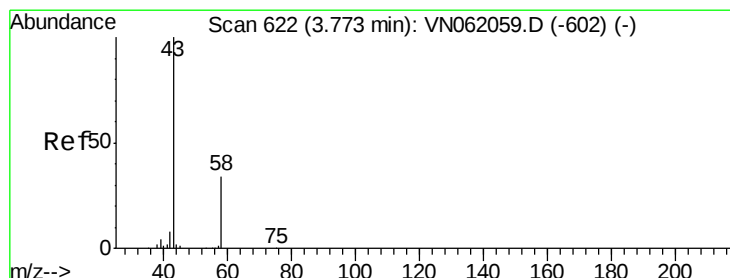
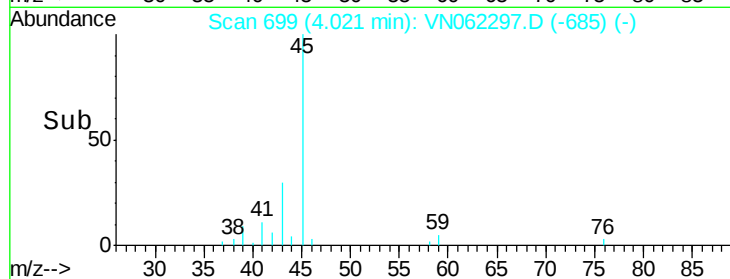
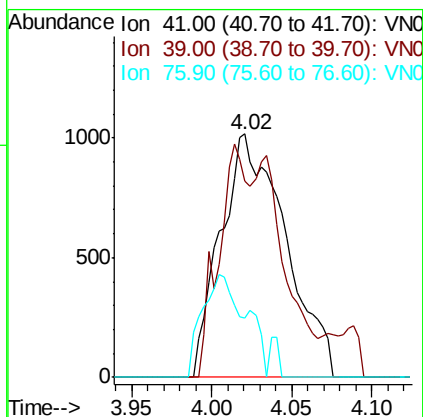
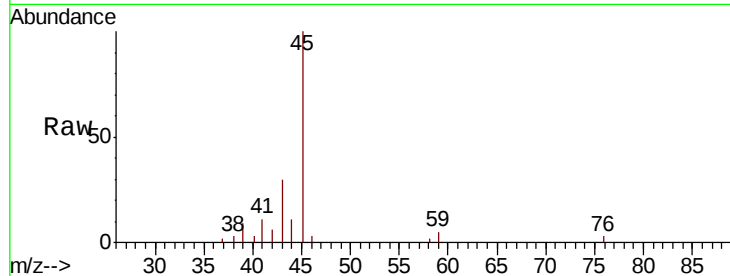




#14
Allvl chloride
Concen: 0.949 ug/l
RT: 4.02 min Scan# 699
Delta R.T. -0.25 min
Lab File: VN062297.D
Acq: 1 Jul 2020 17:18

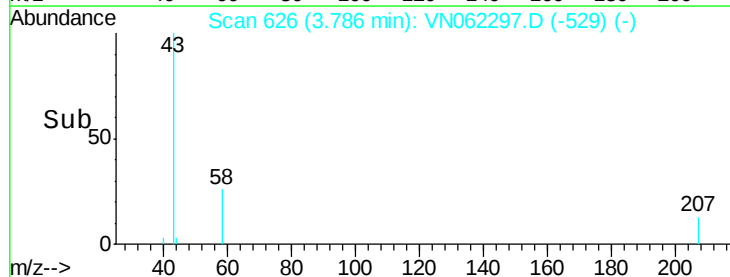
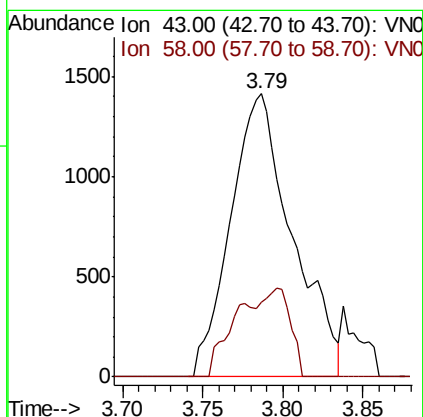
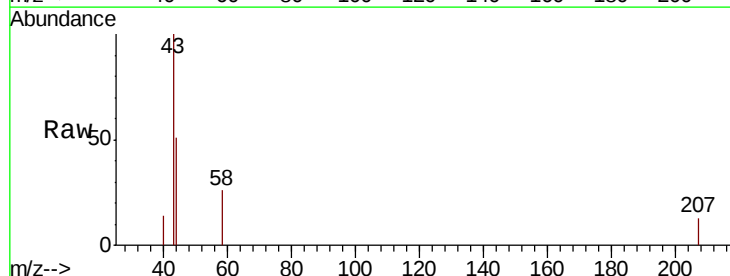
Instrument :
MSVOA_N
ClientSampleId :
DUP04-20200625

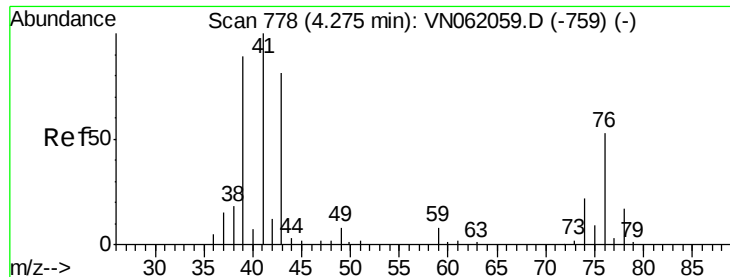
Tot Ion: 41 Resp: 2833
Ion Ratio Lower Upper
41 100
39 44.8 60.0 90.0#
76 28.2 34.1 51.1#



#16
Acetone
Concen: 0.406 ug/l
RT: 3.79 min Scan# 626
Delta R.T. 0.01 min
Lab File: VN062297.D
Acq: 1 Jul 2020 17:18

Tgt Ion: 43 Resp: 3742
Ion Ratio Lower Upper
43 100
58 26.4 27.5 41.3#

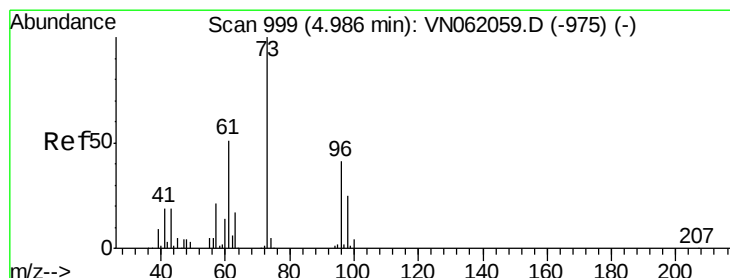
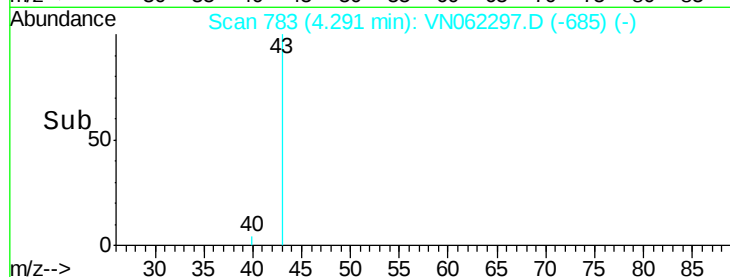
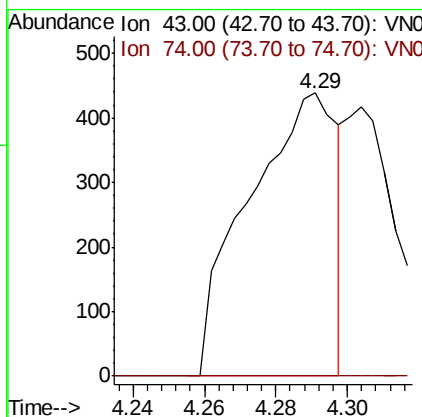
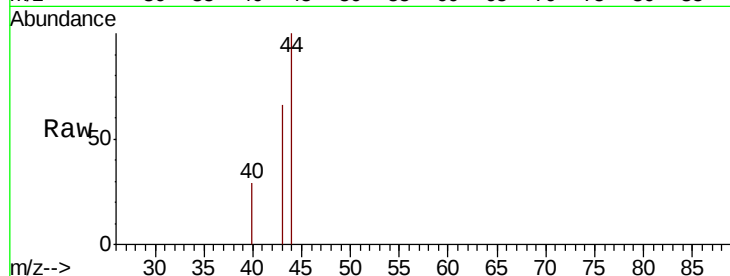




#18
Methyl Acetate
Concen: 0.353 ug/l
RT: 4.29 min Scan# 783
Delta R.T. 0.02 min
Lab File: VN062297.D
Acq: 1 Jul 2020 17:18

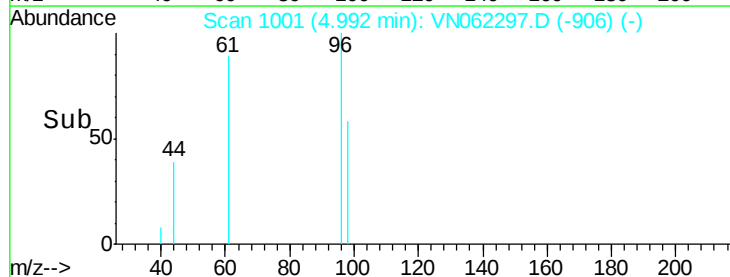
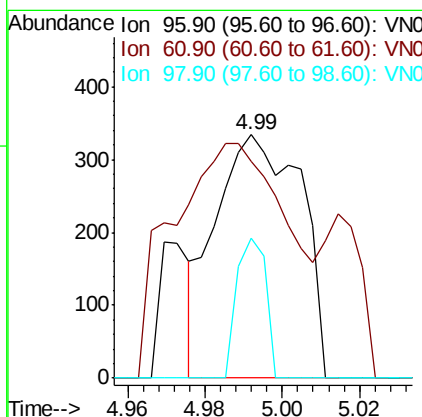
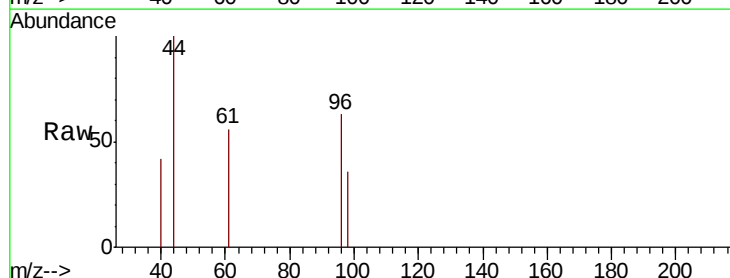
Instrument :
MSVOA_N
ClientSampleId :
DUP04-20200625

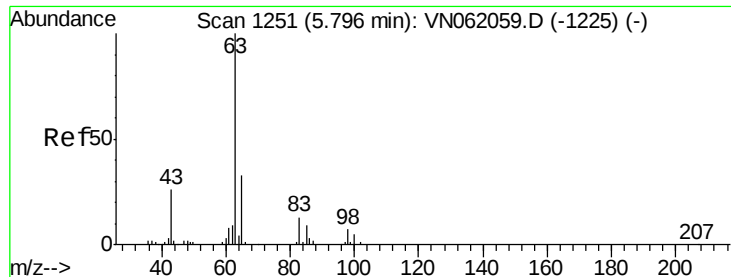
Tot Ion: 43 Resp: 751
Ion Ratio Lower Upper
43 100
74 0.0 22.9 34.3#



#21
trans-1,2-Dichloroethene
Concen: 0.205 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. 0.01 min
Lab File: VN062297.D
Acq: 1 Jul 2020 17:18

Tgt Ion: 96 Resp: 512
Ion Ratio Lower Upper
96 100
61 21.9 101.4 152.2#
98 57.8 49.3 73.9





#24

1,1-Dichloroethane

Concen: 0.585 ug/l

RT: 5.80 min Scan# 1253

Delta R.T. 0.01 min

Lab File: VN062297.D

Acq: 1 Jul 2020 17:18

Instrument :

MSVOA_N

ClientSampleId :

DUP04-20200625

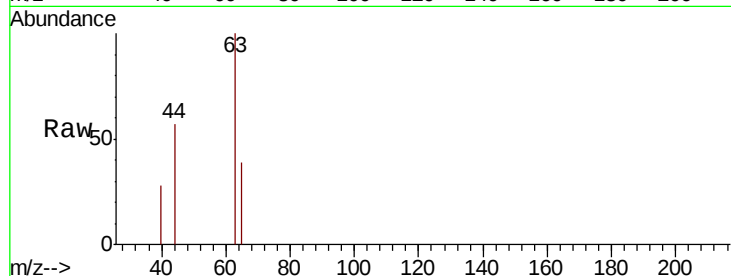
Tot Ion: 63 Resp: 2559

Ion Ratio Lower Upper

63 100

98 0.0 3.6 10.9#

100 0.0 2.4 7.1#

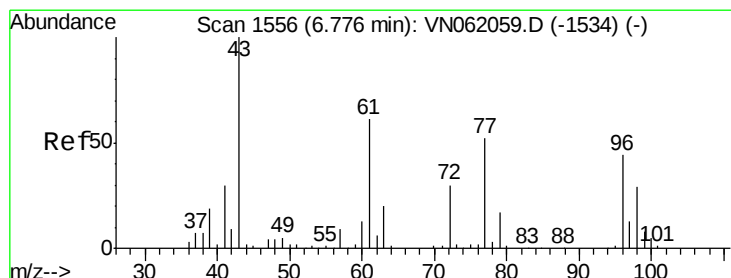
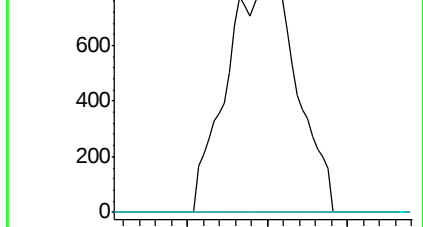
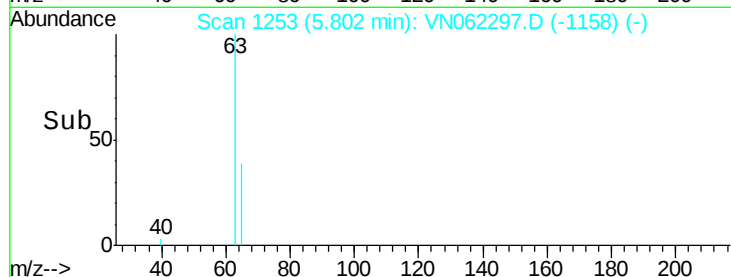


Abundance Ion 62.90 (62.60 to 63.60): VN062297.D (-1158) (-)

Ion 97.90 (97.60 to 98.60): VN062297.D (-1158) (-)

Ion 99.90 (99.60 to 100.60): VN062297.D (-1158) (-)

Time-->



#27

cis-1,2-Dichloroethene

Concen: 62.803 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. 0.01 min

Lab File: VN062297.D

Acq: 1 Jul 2020 17:18

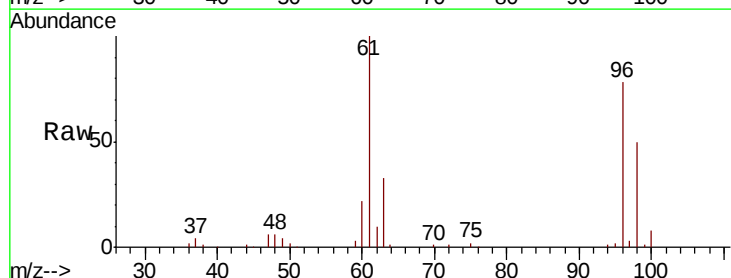
Tgt Ion: 96 Resp: 176472

Ion Ratio Lower Upper

96 100

61 126.1 0.0 280.4

98 64.0 0.0 129.4

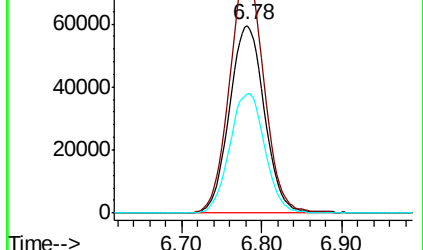
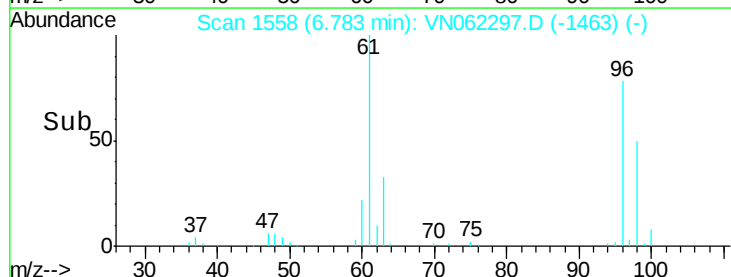


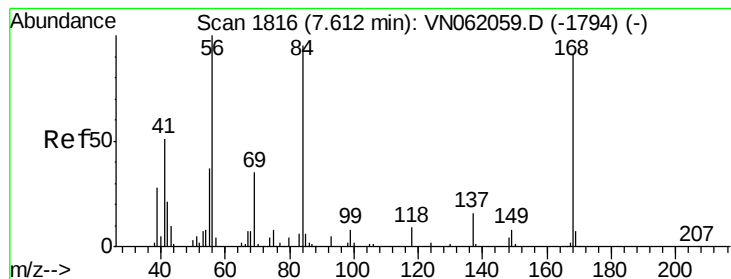
Abundance Ion 95.90 (95.60 to 96.60): VN062297.D (-1463) (-)

Ion 60.90 (60.60 to 61.60): VN062297.D (-1463) (-)

Ion 97.90 (97.60 to 98.60): VN062297.D (-1463) (-)

Time-->





#31

Cyclohexane

Concen: 1.247 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VN062297.D

Acq: 1 Jul 2020 17:18

Instrument :

MSVOA_N

ClientSampleId :

DUP04-20200625

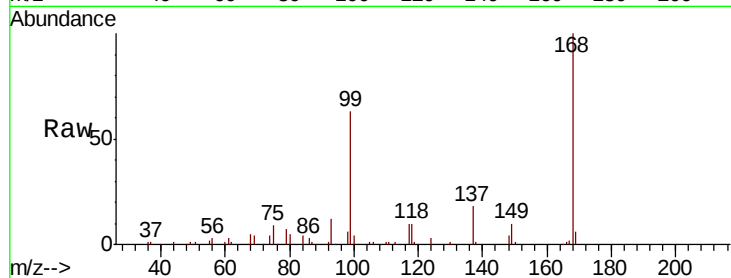
Tot Ion: 56 Resp: 4616

Ion Ratio Lower Upper

56 100

69 167.8 28.0 42.0#

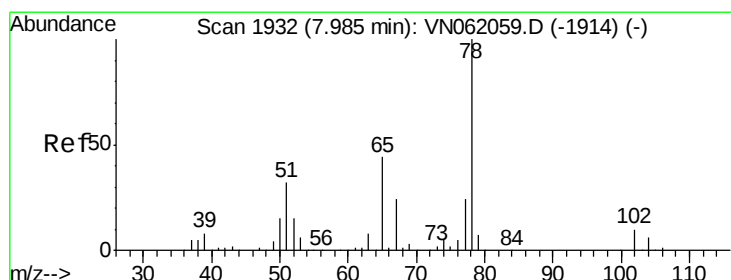
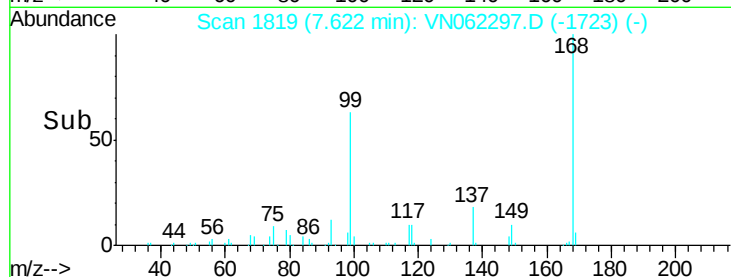
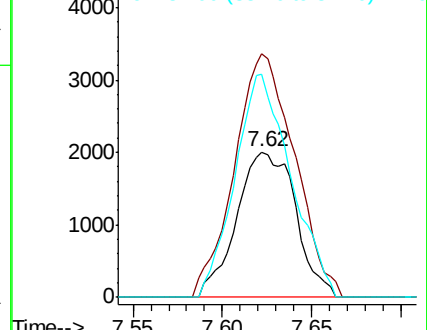
84 153.9 76.1 114.1#



Abundance Ion 56.00 (55.70 to 56.70): VN062297.D (-1723) (-)

Ion 69.00 (68.70 to 69.70): VN062297.D (-1723) (-)

Ion 84.00 (83.70 to 84.70): VN062297.D (-1723) (-)



#33

1,2-Dichloroethane-d4

Concen: 55.457 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VN062297.D

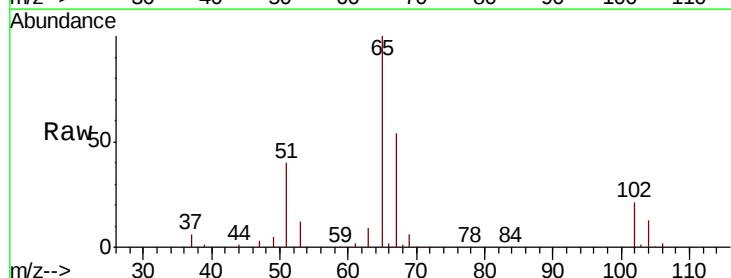
Acq: 1 Jul 2020 17:18

Tgt Ion: 65 Resp: 148567

Ion Ratio Lower Upper

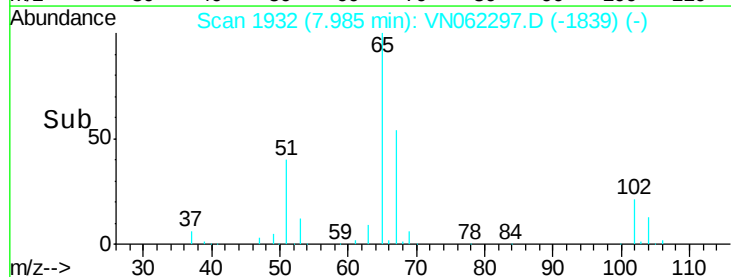
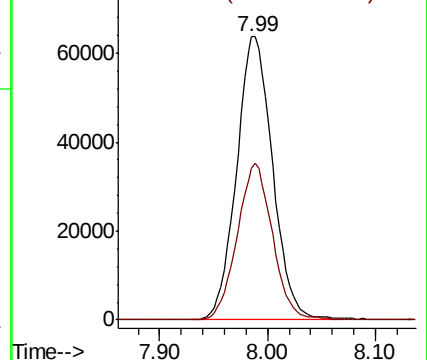
65 100

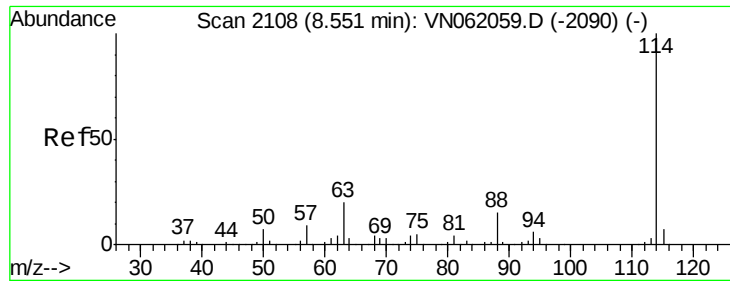
67 54.0 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VN062297.D (-1839) (-)

Ion 66.90 (66.60 to 67.60): VN062297.D (-1839) (-)

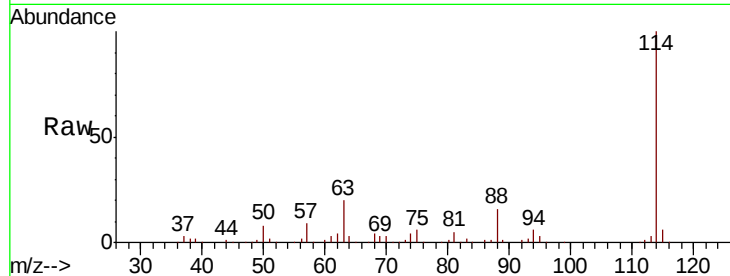




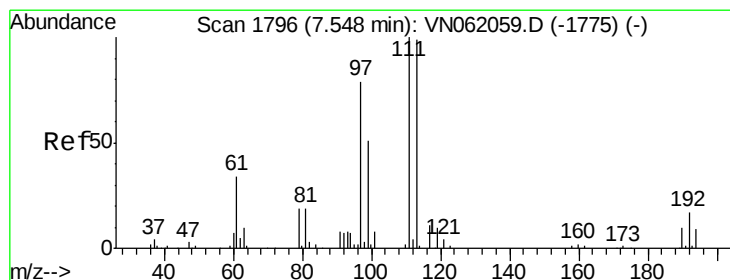
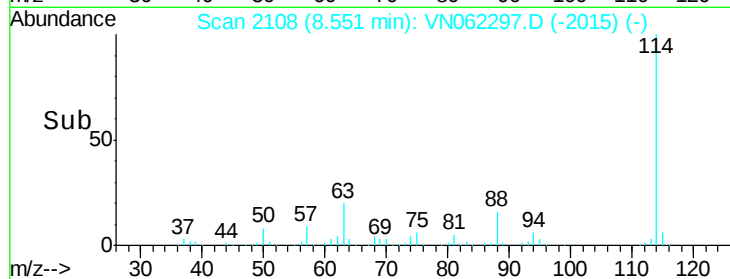
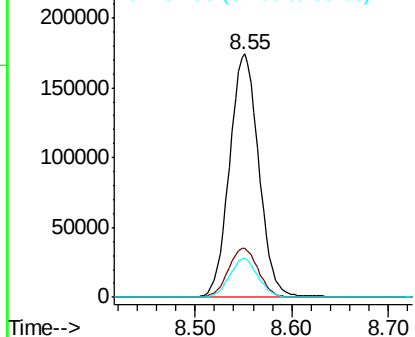
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062297.D
 Acq: 1 Jul 2020 17:18

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP04-20200625

Tot Ion:114 Resp: 366234
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 39.2
 88 16.0 0.0 30.8

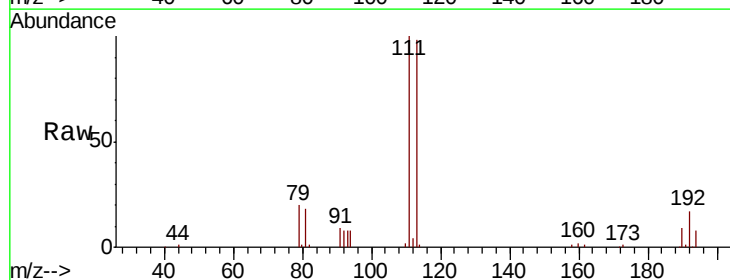


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

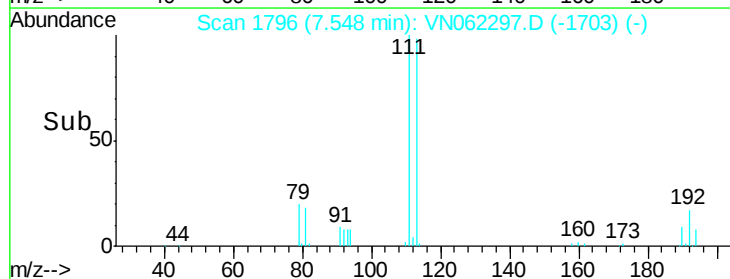
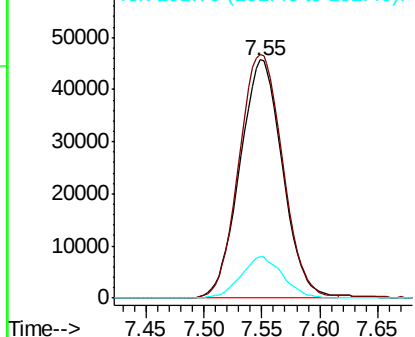


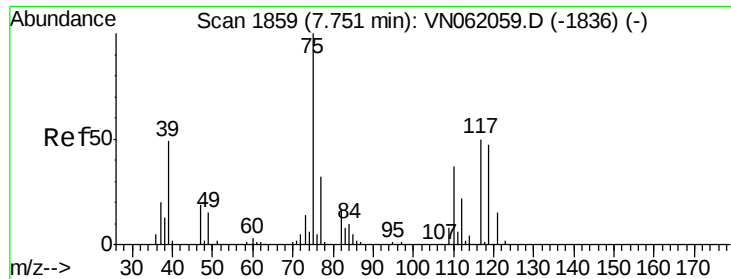
#35
 Dibromofluoromethane
 Concen: 49.822 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062297.D
 Acq: 1 Jul 2020 17:18

Tgt Ion:113 Resp: 117061
 Ion Ratio Lower Upper
 113 100
 111 105.0 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

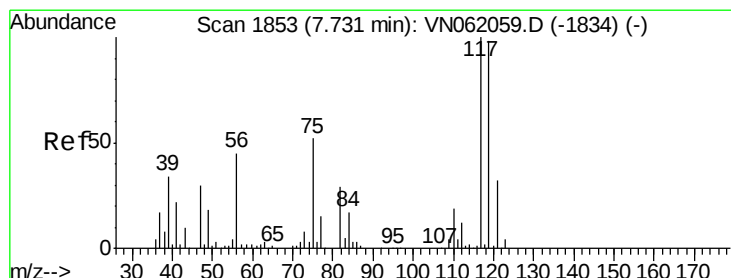
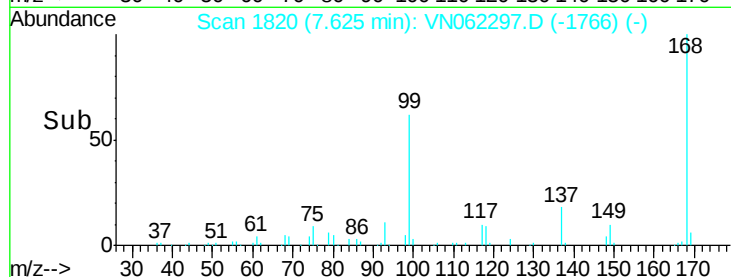
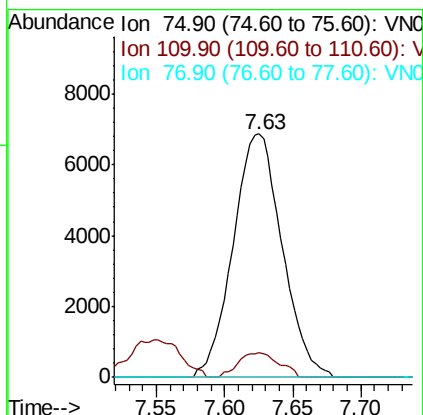
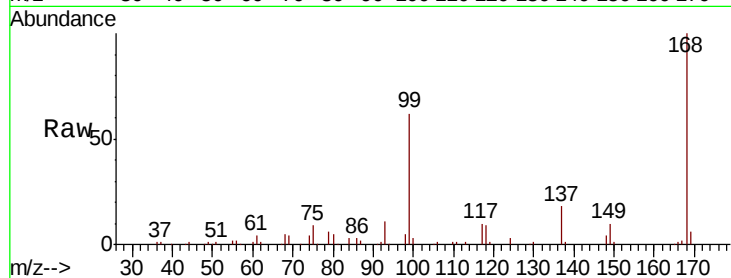




#36
 1,1-Dichloropropene
 Concen: 4.656 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062297.D
 Acq: 1 Jul 2020 17:18

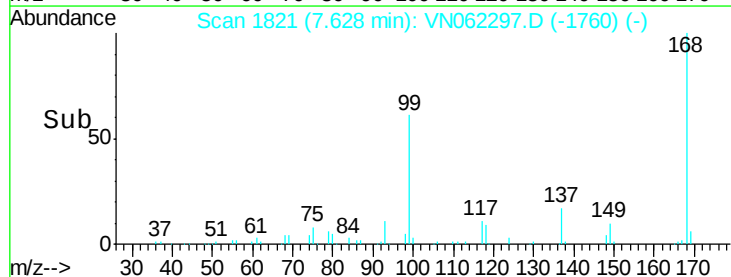
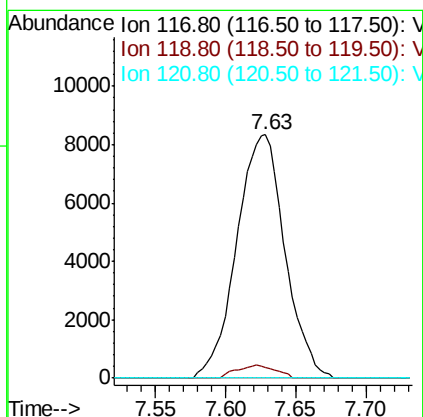
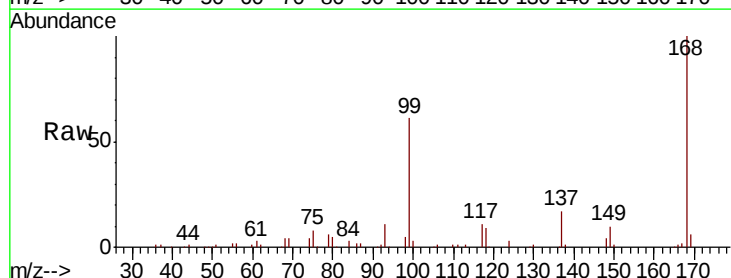
Instrument :
 MSVOA_N
 ClientSampleId :
 DUP04-20200625

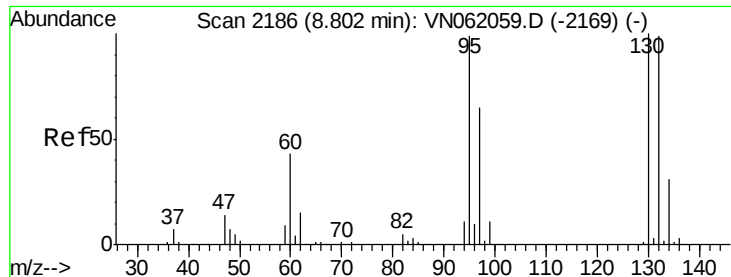
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.4	17.9	53.8#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 5.743 ug/l
 RT: 7.63 min Scan# 1821
 Delta R.T. -0.10 min
 Lab File: VN062297.D
 Acq: 1 Jul 2020 17:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.2	78.2	117.2#
121	0.0	25.8	38.6#





#44

Trichloroethene

Concen: 2.652 ug/l

RT: 8.80 min Scan# 2185

Delta R.T. -0.00 min

Lab File: VN062297.D

Acq: 1 Jul 2020 17:18

Instrument :

MSVOA_N

ClientSampleId :

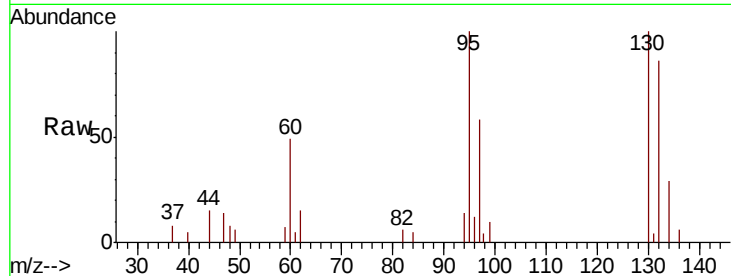
DUP04-20200625

Tot Ion:130 Resp: 7506

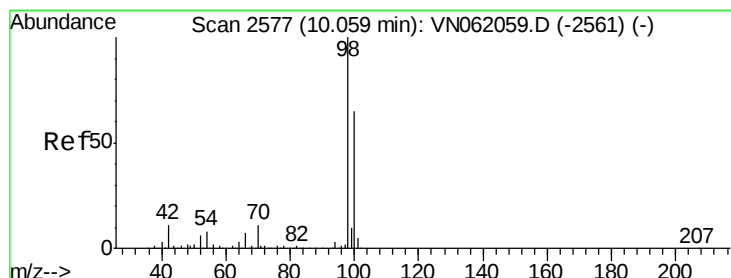
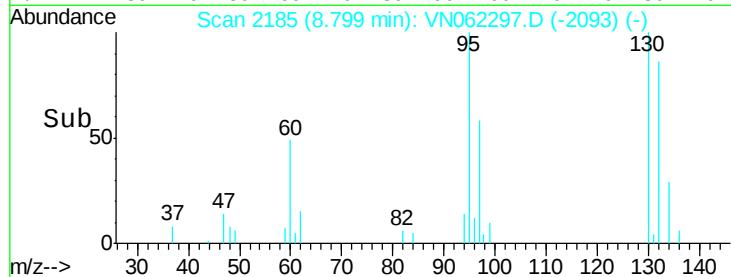
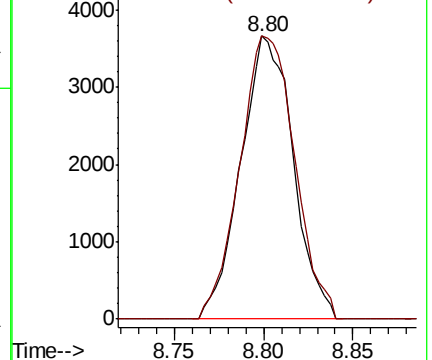
Ion Ratio Lower Upper

130 100

95 100.0 0.0 197.8



Abundance Ion 129.80 (129.50 to 130.50): VN062059.D (-2169) (-)



#50

Toluene-d8

Concen: 49.640 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062297.D

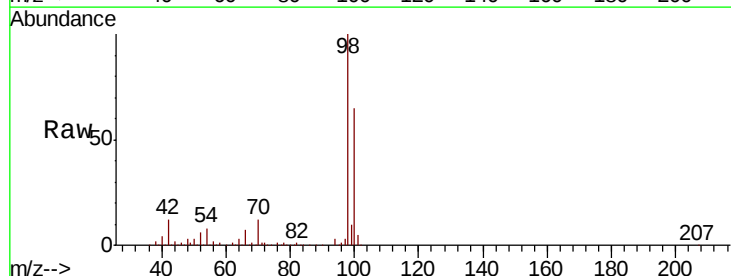
Acq: 1 Jul 2020 17:18

Tgt Ion: 98 Resp: 466215

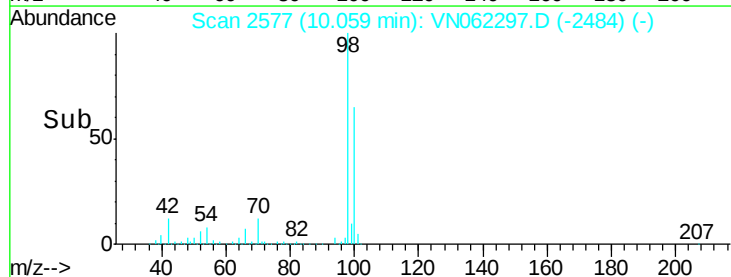
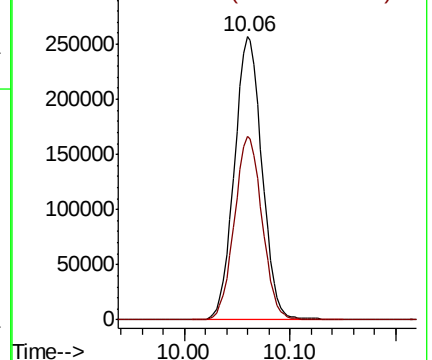
Ion Ratio Lower Upper

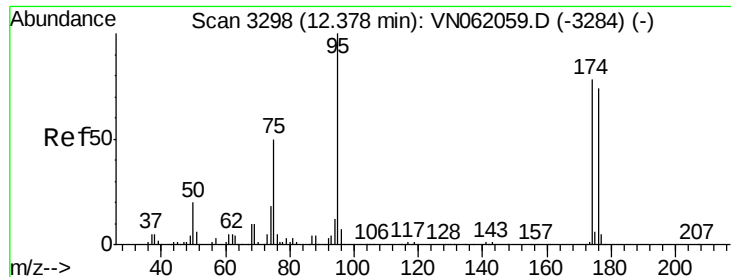
98 100

100 65.0 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN062059.D (-2561) (-)

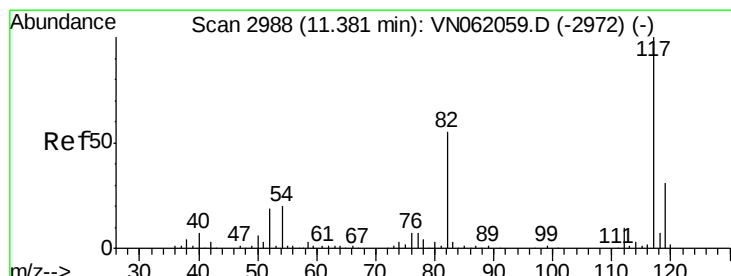
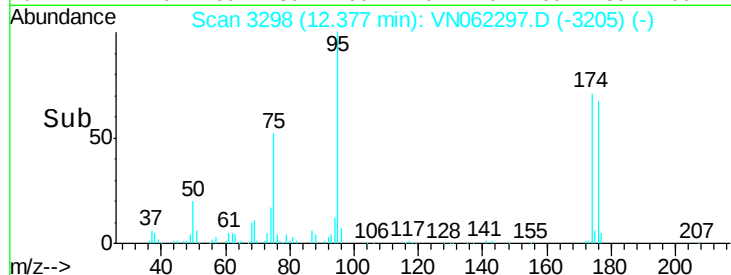
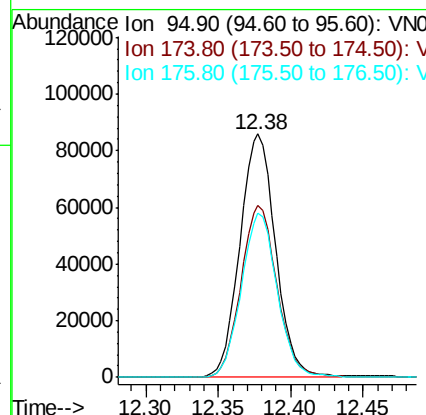
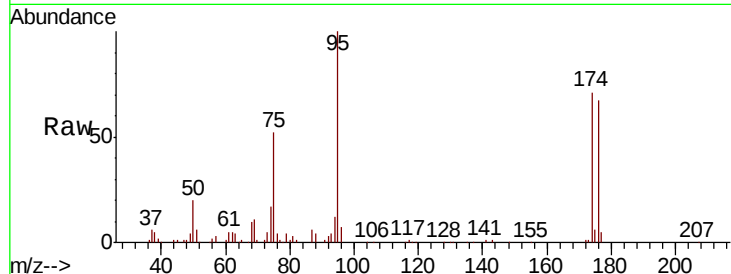




#62
4-Bromofluorobenzene
Concen: 46.263 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN062297.D
Acq: 1 Jul 2020 17:18

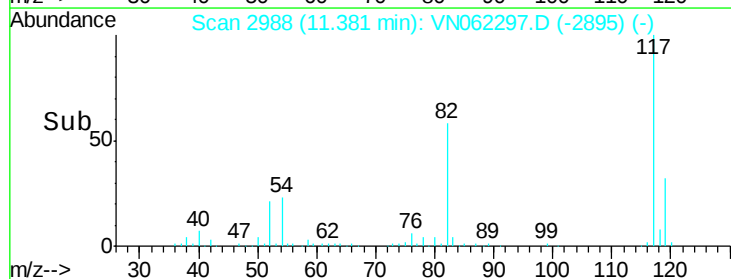
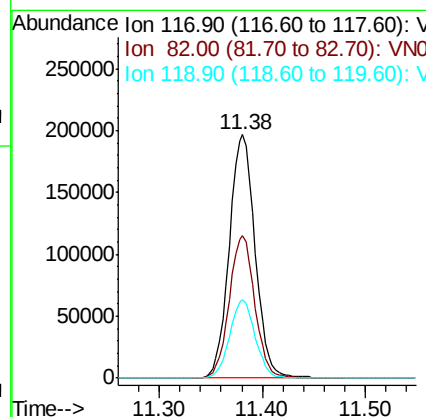
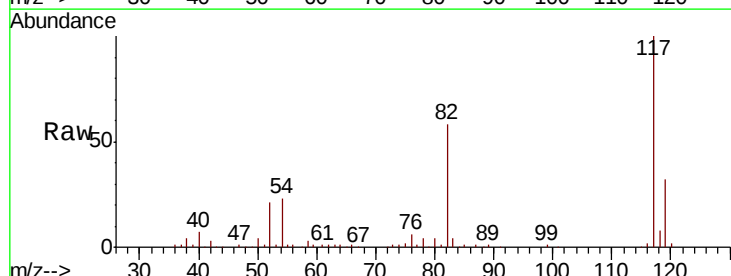
Instrument :
MSVOA_N
ClientSampleId :
DUP04-20200625

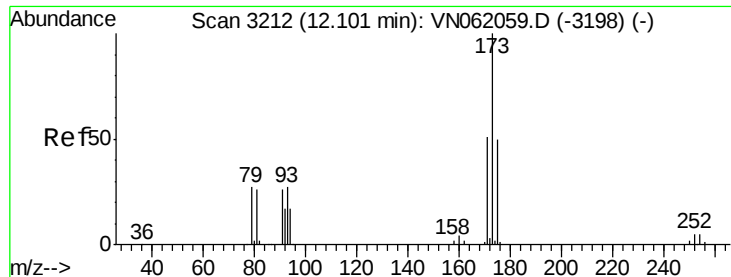
Tot Ion: 95 Resp: 146800
Ion Ratio Lower Upper
95 100
174 71.6 0.0 154.8
176 68.2 0.0 147.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062297.D
Acq: 1 Jul 2020 17:18

Tgt Ion: 117 Resp: 344143
Ion Ratio Lower Upper
117 100
82 58.4 43.8 65.8
119 32.2 25.2 37.8





#71

Bromoform

Concen: 0.445 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.28 min

Lab File: VN062297.D

Acq: 1 Jul 2020 17:18

Instrument :

MSVOA_N

ClientSampleId :

DUP04-20200625

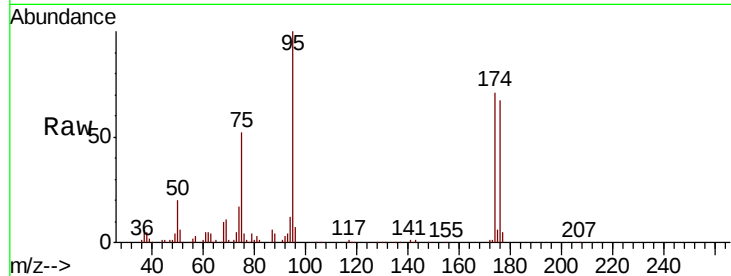
Tot Ion:173 Resp: 826

Ion Ratio Lower Upper

173 100

175 840.4 24.7 74.1#

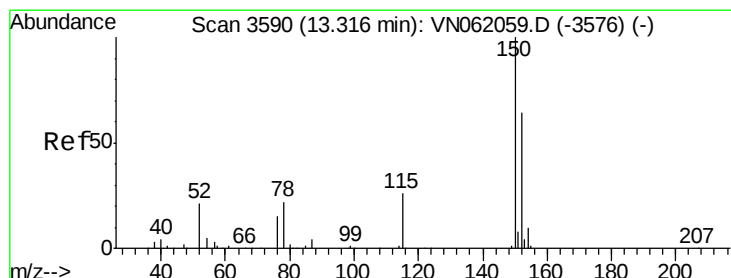
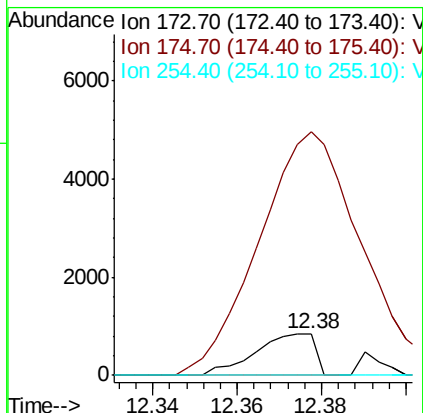
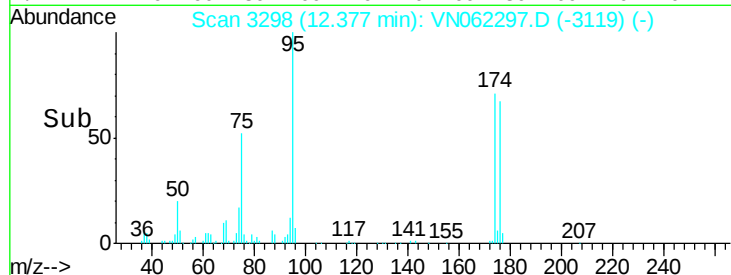
254 0.0 0.0 0.0



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: VN062297.D

Acq: 1 Jul 2020 17:18

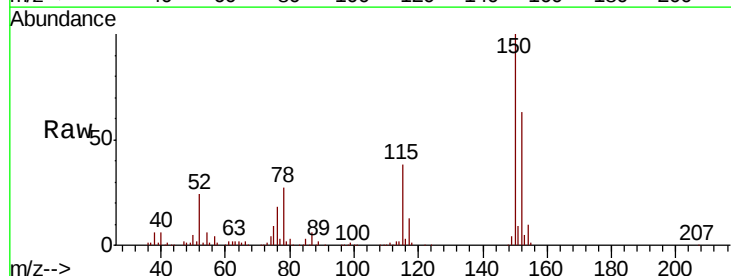
Tgt Ion:152 Resp: 119771

Ion Ratio Lower Upper

152 100

115 59.5 29.5 88.5

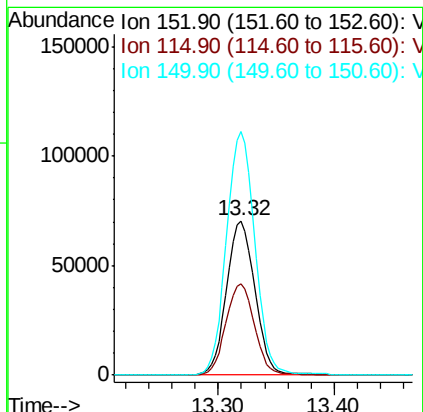
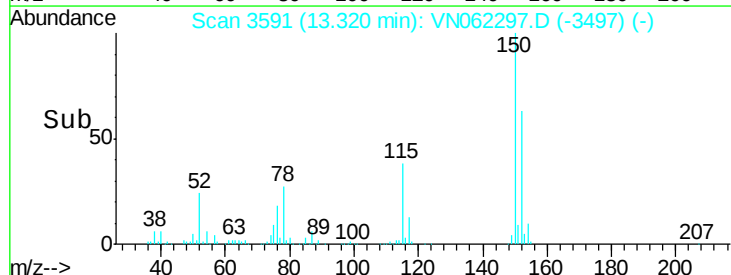
150 157.5 0.0 351.4

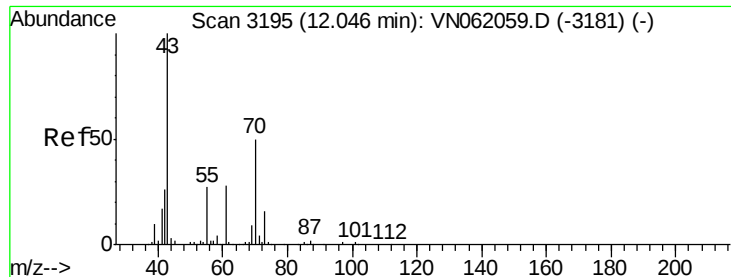


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

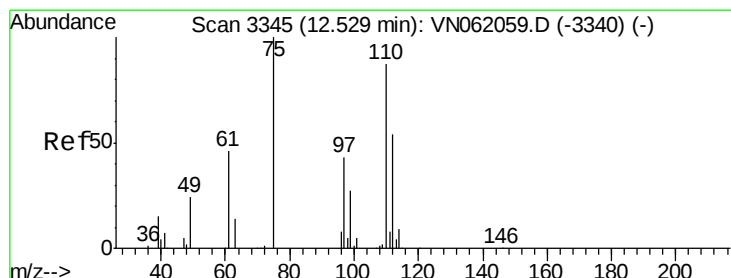
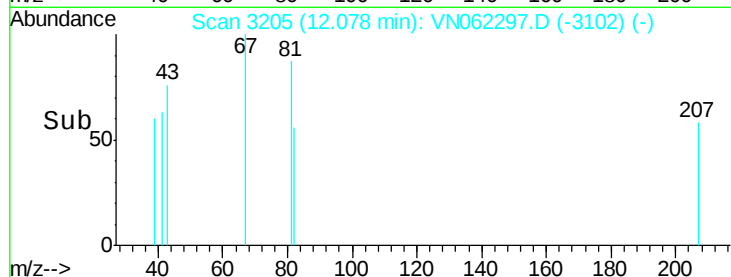
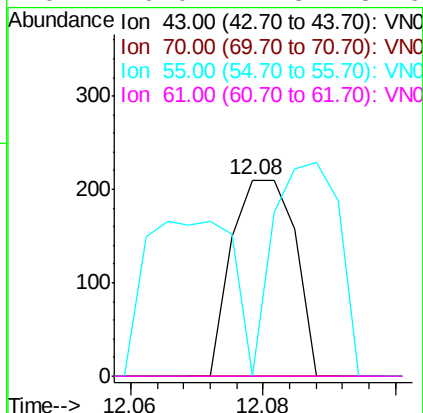
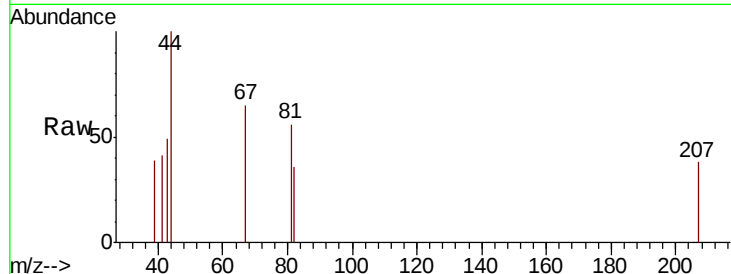




#74
N-amvl acetate
Concen: 3.381 ug/l
RT: 12.08 min Scan# 3205
Delta R.T. 0.03 min
Lab File: VN062297.D
Acq: 1 Jul 2020 17:18

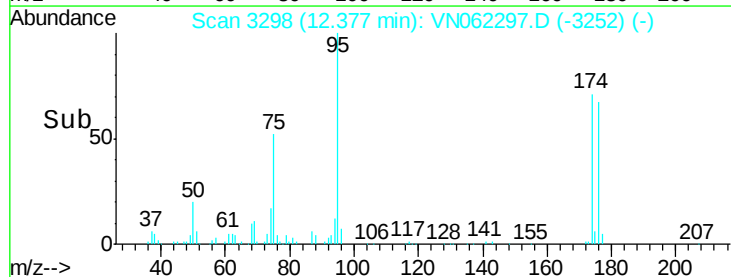
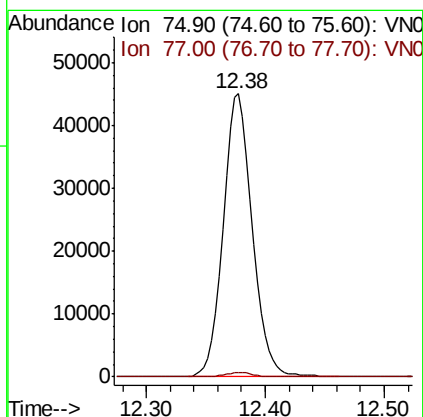
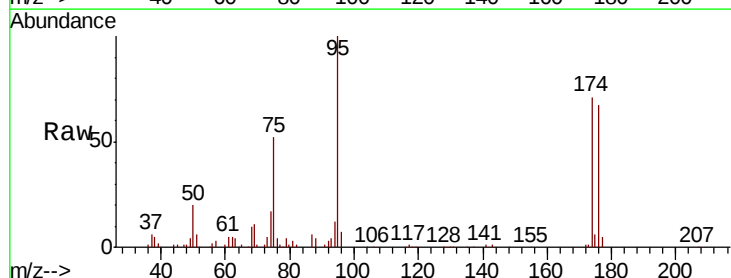
Instrument :
MSVOA_N
ClientSampleId :
DUP04-20200625

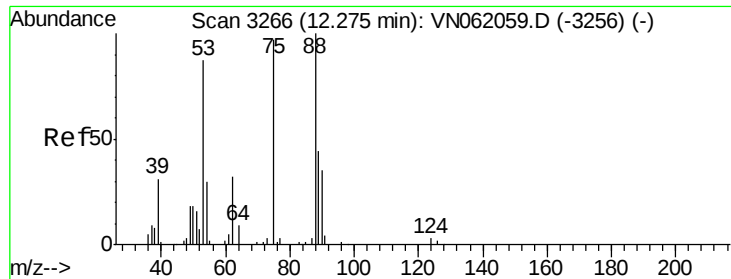
Tot Ion: 43 Resp: 140
Ion Ratio Lower Upper
43 100
70 0.0 39.4 59.2#
55 112.1 21.7 32.5#
61 0.0 21.3 31.9#



#76
1,2,3-Trichloropropane
Concen: 26.991 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.15 min
Lab File: VN062297.D
Acq: 1 Jul 2020 17:18

Tgt Ion: 75 Resp: 76100
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#

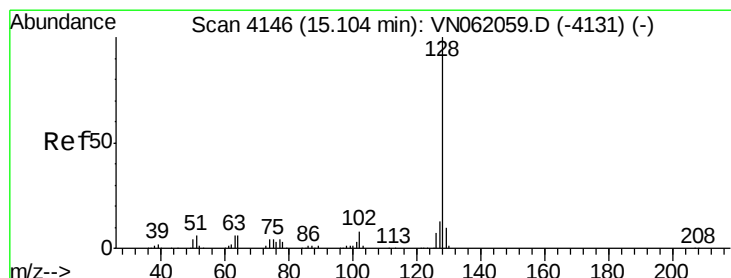
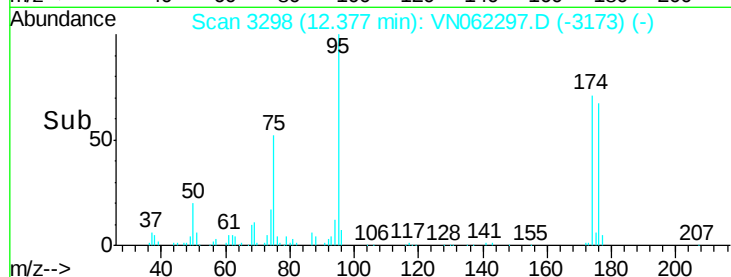
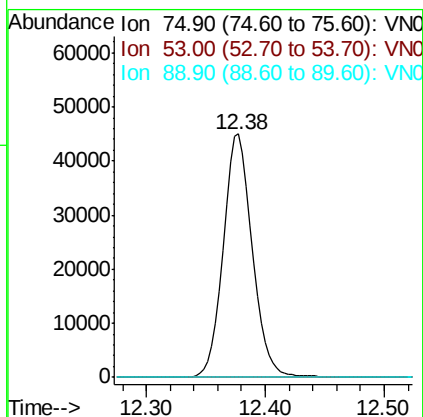
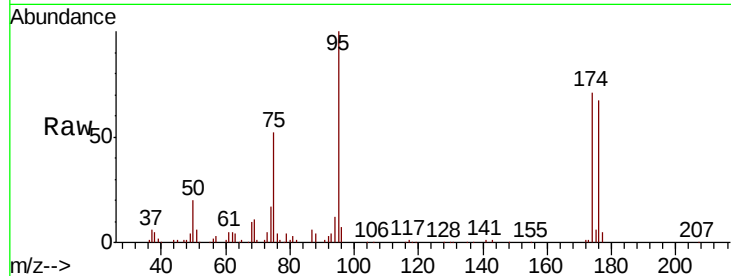




#81
trans-1,4-Dichloro-2-butene
Concen: 78.822 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.10 min
Lab File: VN062297.D
Acq: 1 Jul 2020 17:18

Instrument :
MSVOA_N
ClientSampleId :
DUP04-20200625

Tot Ion: 75 Resp: 76100
Ion Ratio Lower Upper
75 100
53 0.0 72.0 108.0#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 4.037 ug/l
RT: 15.11 min Scan# 4148
Delta R.T. 0.01 min
Lab File: VN062297.D
Acq: 1 Jul 2020 17:18

Tgt Ion: 128 Resp: 261
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.6 13.0#

