

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071020\
 Data File : VN062497.D
 Acq On : 10 Jul 2020 17:08
 Operator : JC/MD
 Sample : L3273-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 11 02:08:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070820W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 10 00:55:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	182995	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	324029	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	309349	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	114009	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	138926	49.36	ug/l	0.00
Spiked Amount			Recovery	=	98.72%	
35) Dibromofluoromethane	7.55	113	103394	51.62	ug/l	0.00
Spiked Amount			Recovery	=	103.24%	
50) Toluene-d8	10.06	98	418293	52.90	ug/l	0.00
Spiked Amount			Recovery	=	105.80%	
62) 4-Bromofluorobenzene	12.38	95	147294	50.98	ug/l	0.00
Spiked Amount			Recovery	=	101.96%	

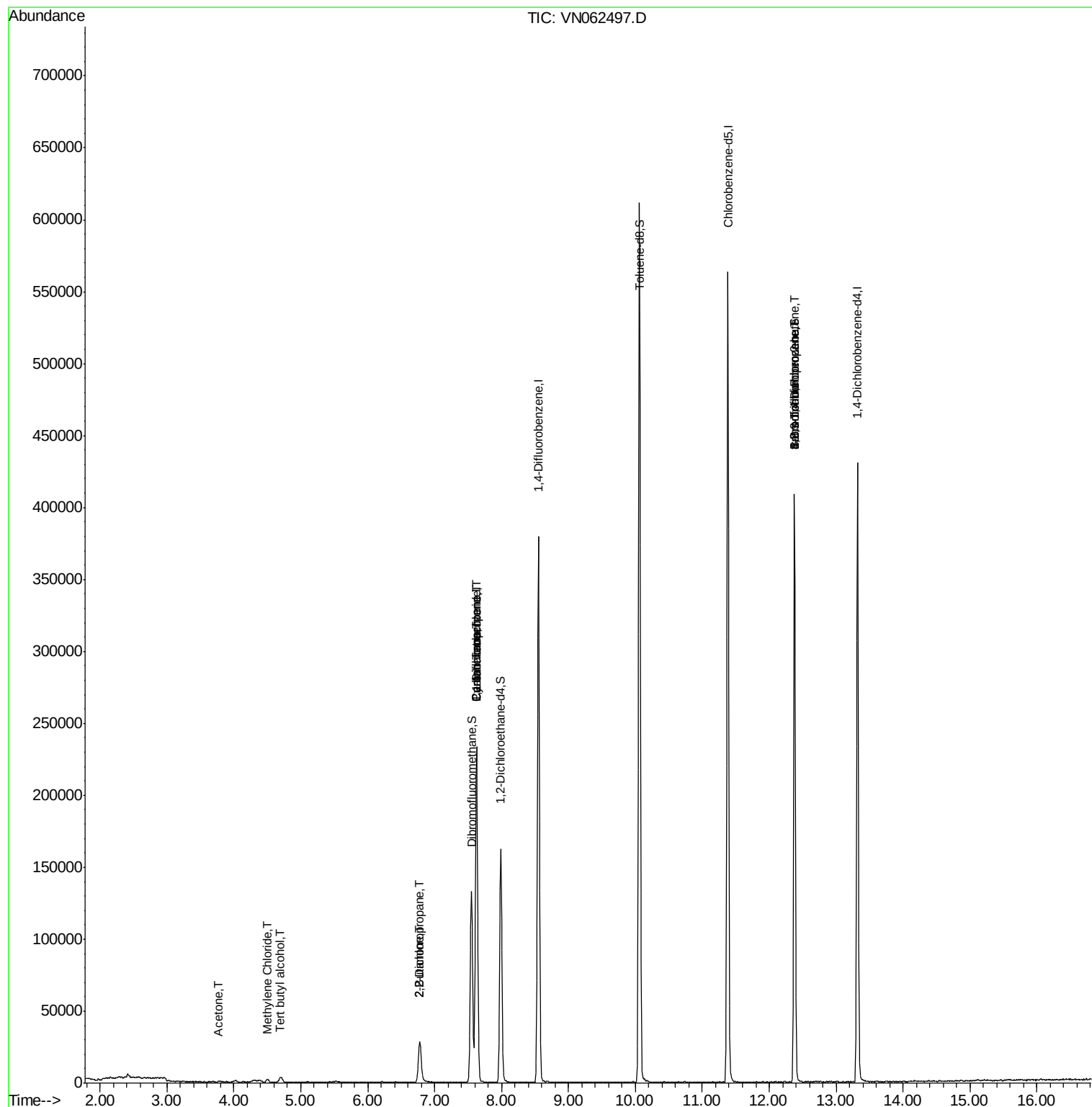
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.69	59	3903	8.359	ug/l #	74
16) Acetone	3.76	43	380	0.318	ug/l #	45
20) Methylene Chloride	4.50	84	1443	0.565	ug/l #	81
25) 2-Butanone	6.78	43	1948	1.116	ug/l #	53
26) 2,2-Dichloropropane	6.78	77	2025	0.586	ug/l #	54
31) Cyclohexane	7.62	56	4224	0.988	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	15810	4.843	ug/l #	52
38) Carbon Tetrachloride	7.63	117	18919	6.446	ug/l #	15
71) Bromoform	12.38	173	822	0.506	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	78311	27.994	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	78311	74.929	ug/l #	10
95) Naphthalene	15.11	128	721	Below Cal	#	70

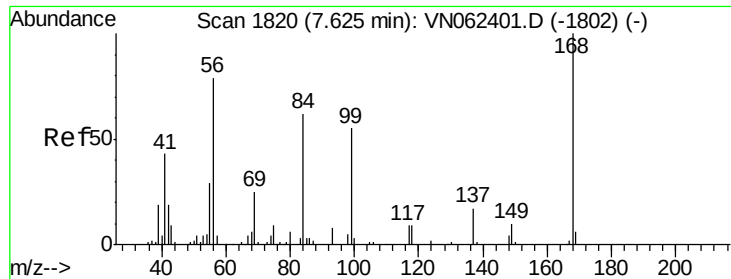
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N070820W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 10 00:55:52 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: VN062497.D

Acq: 10 Jul 2020 17:08

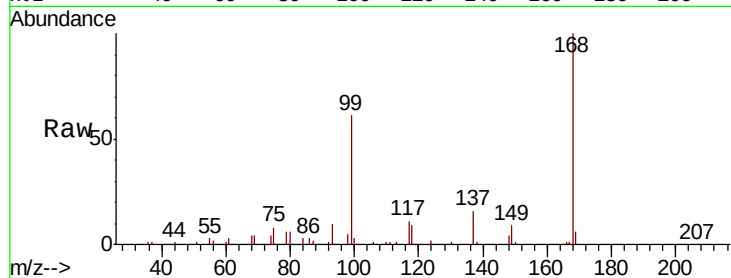
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 182995

Ion Ratio Lower Upper

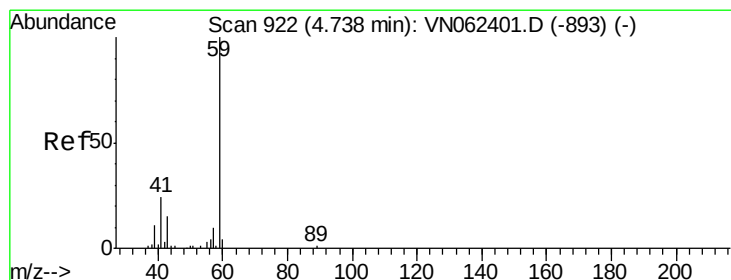
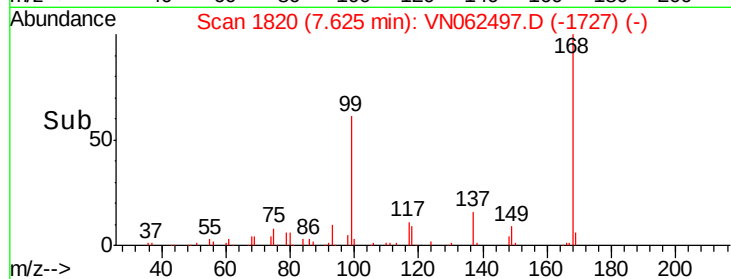
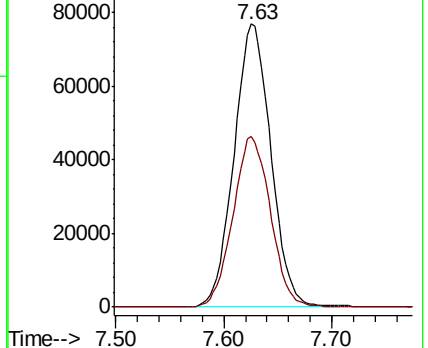
168 100

99 60.5 48.8 73.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#11

Tert butyl alcohol

Concen: 8.359 ug/l

RT: 4.69 min Scan# 908

Delta R.T. -0.04 min

Lab File: VN062497.D

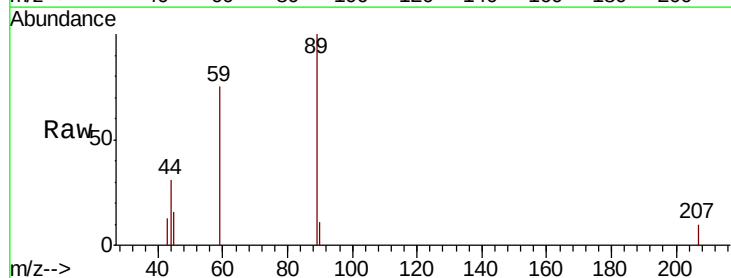
Acq: 10 Jul 2020 17:08

Tgt Ion: 59 Resp: 3903

Ion Ratio Lower Upper

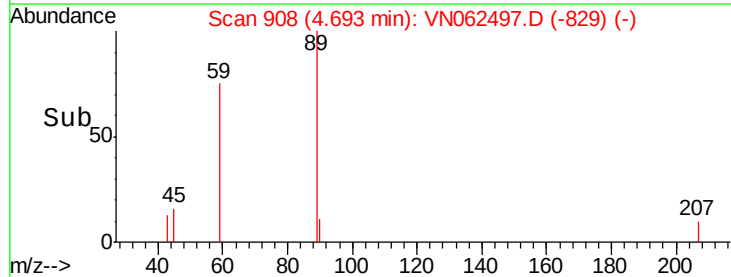
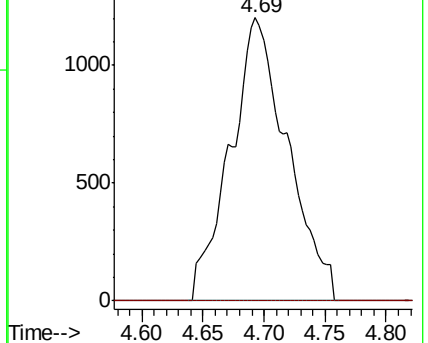
59 100

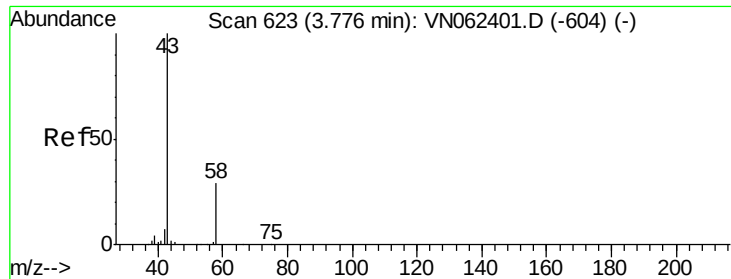
57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0





#16

Acetone

Concen: 0.318 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.01 min

Lab File: VN062497.D

Acq: 10 Jul 2020 17:08

Instrument :

MSVOA_N

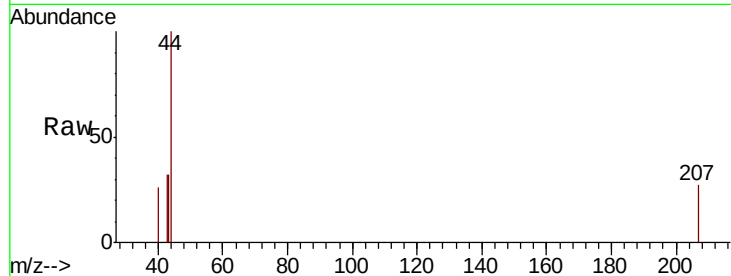
ClientSampleId :

Tot Ion: 43 Resp: 380

Ion Ratio Lower Upper

43 100

58 0.0 23.5 35.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.76

400

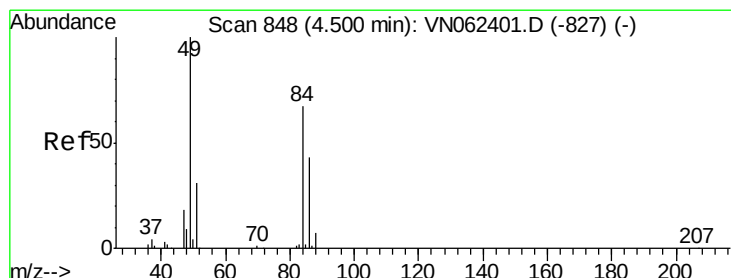
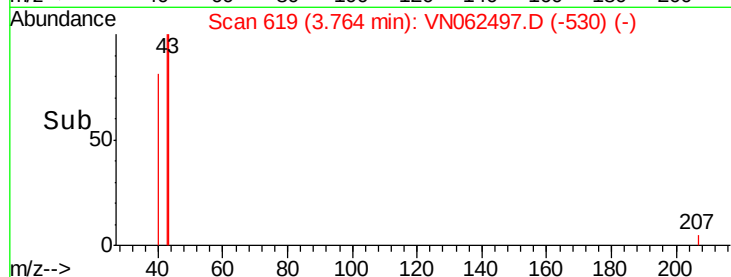
300

200

100

0

Time-->



#20

Methylene Chloride

Concen: 0.565 ug/l

RT: 4.50 min Scan# 849

Delta R.T. 0.00 min

Lab File: VN062497.D

Acq: 10 Jul 2020 17:08

Tgt Ion: 84 Resp: 1443

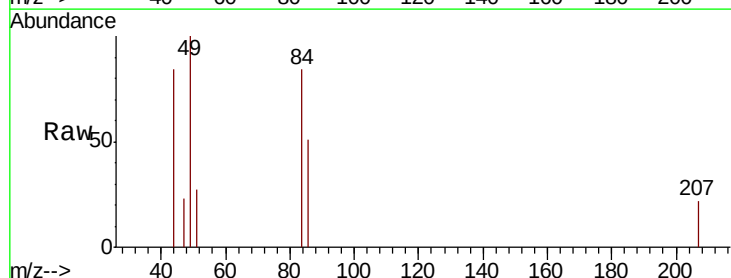
Ion Ratio Lower Upper

84 100

49 118.8 120.0 180.0#

51 31.8 37.0 55.6#

86 60.7 51.8 77.6



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

1000

800

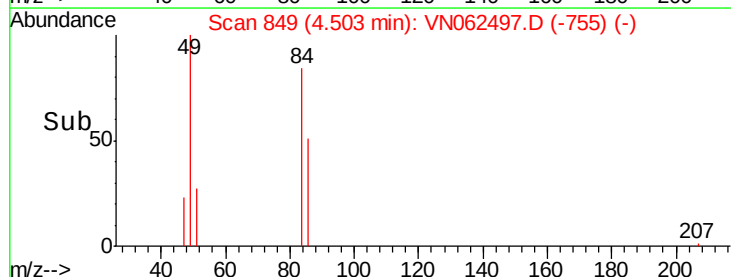
600

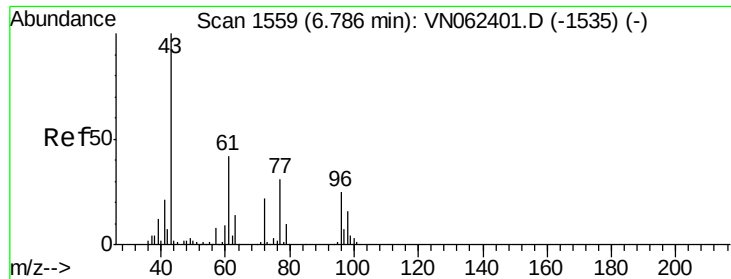
400

200

0

Time-->

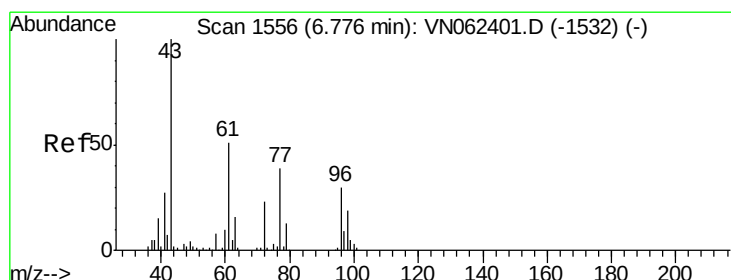
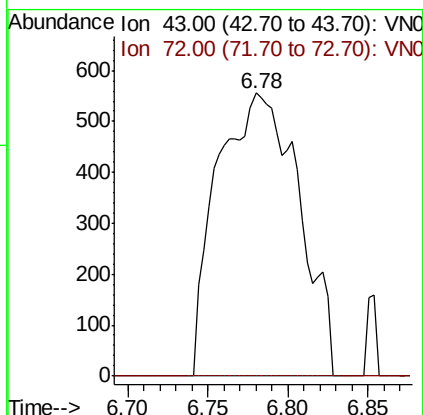
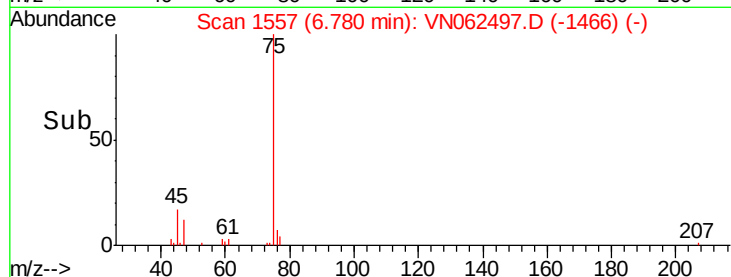
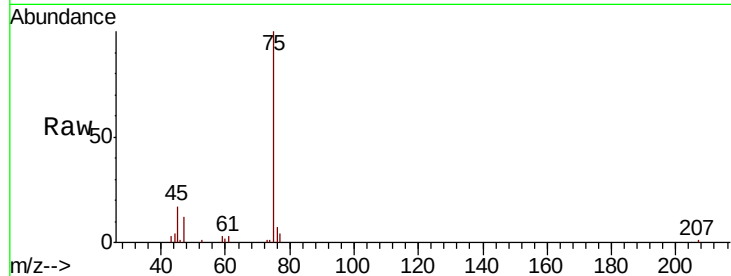




#25
2-Butanone
Concen: 1.116 ug/l
RT: 6.78 min Scan# 1557
Delta R.T. -0.01 min
Lab File: VN062497.D
Acq: 10 Jul 2020 17:08

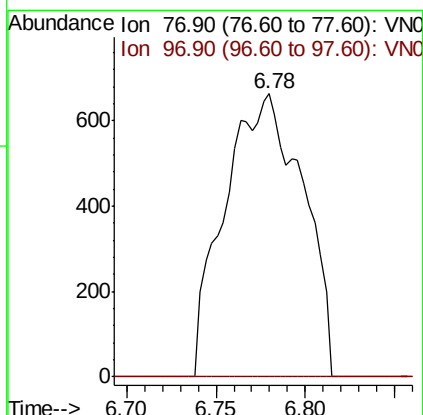
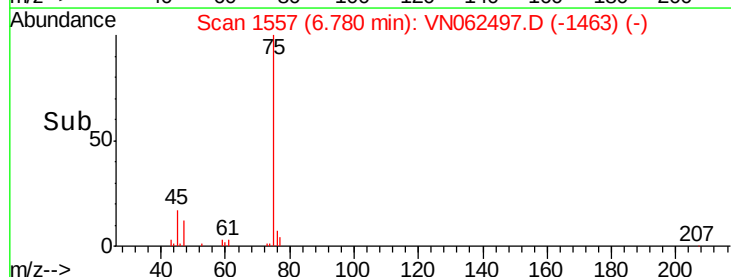
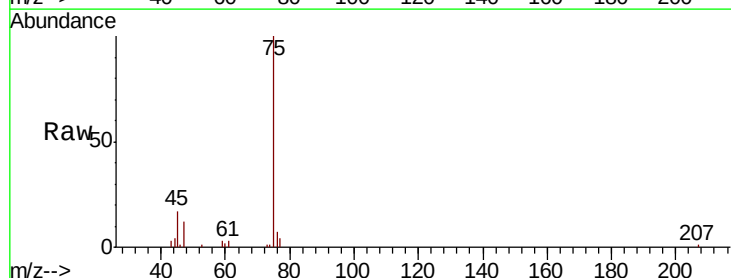
Instrument :
MSVOA_N
ClientSampled :

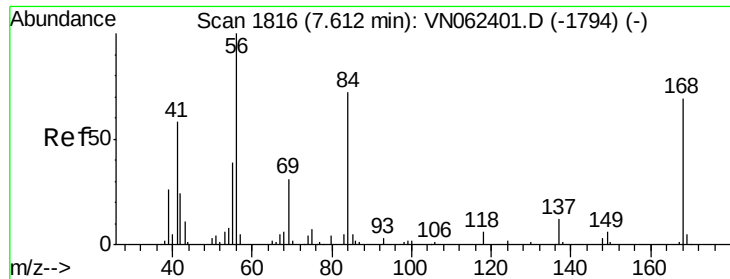
Tot Ion: 43 Resp: 1948
Ion Ratio Lower Upper
43 100
72 0.0 17.9 26.9#



#26
2,2-Dichloropropane
Concen: 0.586 ug/l
RT: 6.78 min Scan# 1557
Delta R.T. 0.00 min
Lab File: VN062497.D
Acq: 10 Jul 2020 17:08

Tgt Ion: 77 Resp: 2025
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#

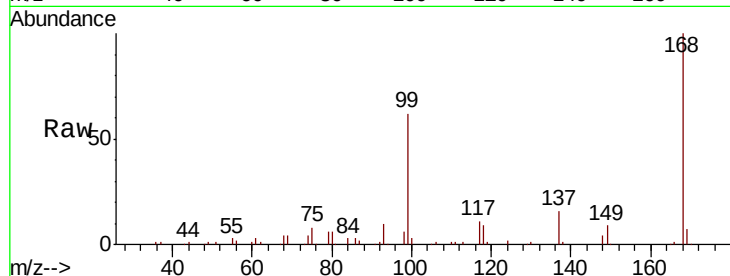




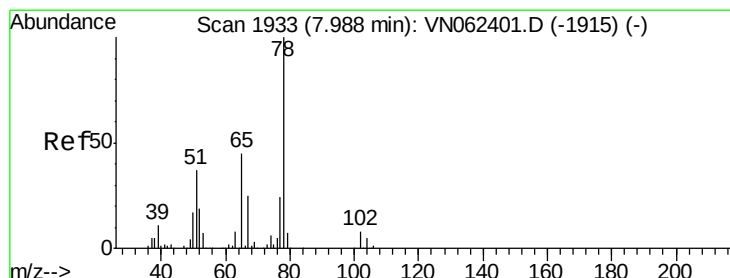
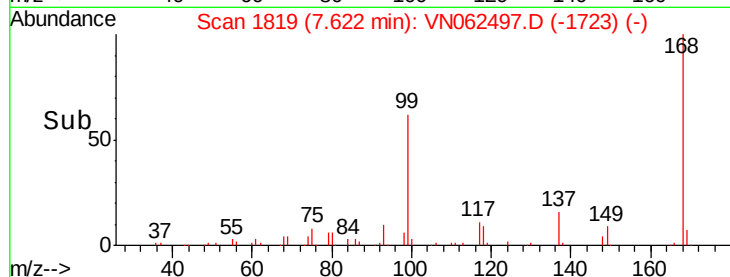
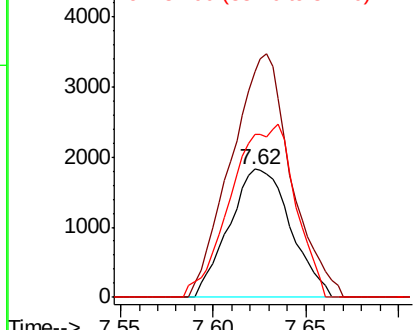
#31
Cyclohexane
Concen: 0.988 ug/l
RT: 7.62 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VN062497.D
Acq: 10 Jul 2020 17:08

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 4224
Ion Ratio Lower Upper
56 100
69 175.7 24.5 36.7#
84 127.0 57.4 86.2#

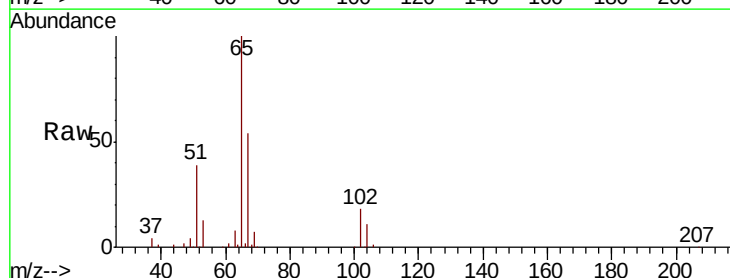


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

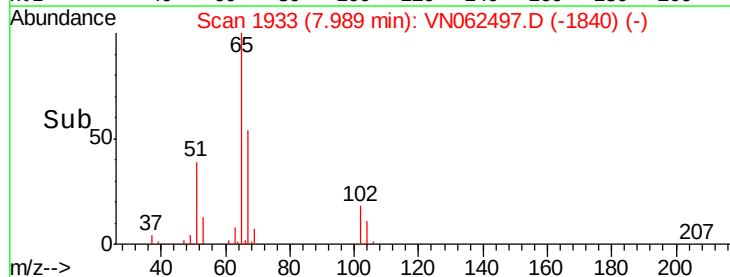
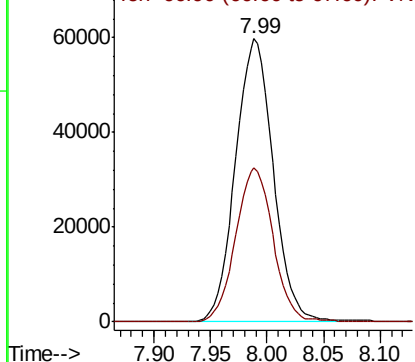


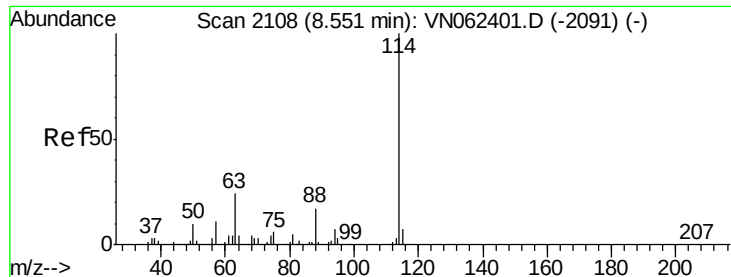
#33
1,2-Dichloroethane-d4
Concen: 49.357 ug/l
RT: 7.99 min Scan# 1933
Delta R.T. 0.00 min
Lab File: VN062497.D
Acq: 10 Jul 2020 17:08

Tgt Ion: 65 Resp: 138926
Ion Ratio Lower Upper
65 100
67 54.0 0.0 107.6



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: VN062497.D

Acq: 10 Jul 2020 17:08

Instrument :

MSVOA_N

ClientSampleId :

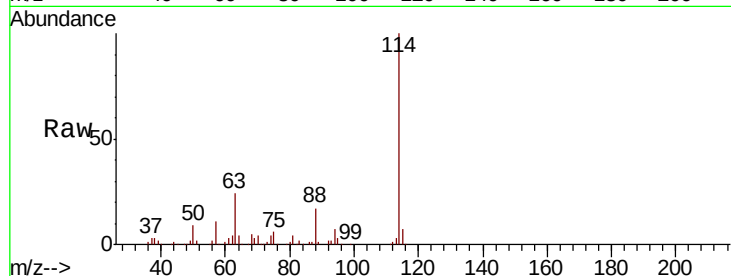
Tot Ion:114 Resp: 324029

Ion Ratio Lower Upper

114 100

63 24.4 0.0 48.4

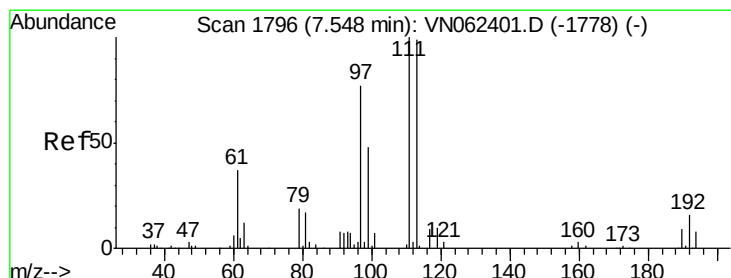
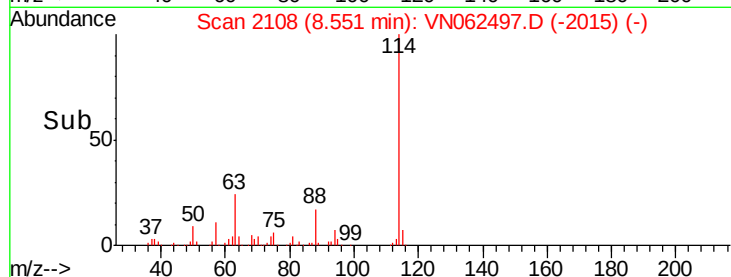
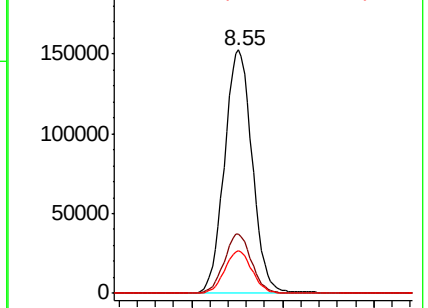
88 17.3 0.0 33.8



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: 51.621 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VN062497.D

Acq: 10 Jul 2020 17:08

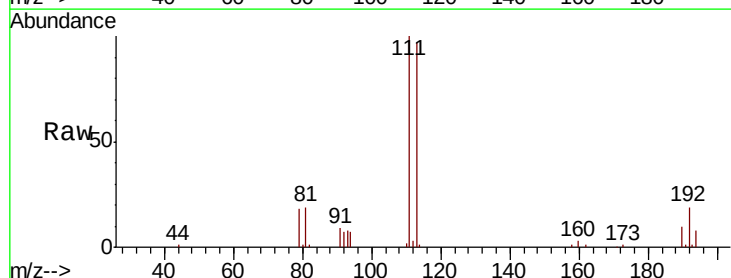
Tgt Ion:113 Resp: 103394

Ion Ratio Lower Upper

113 100

111 103.4 83.1 124.7

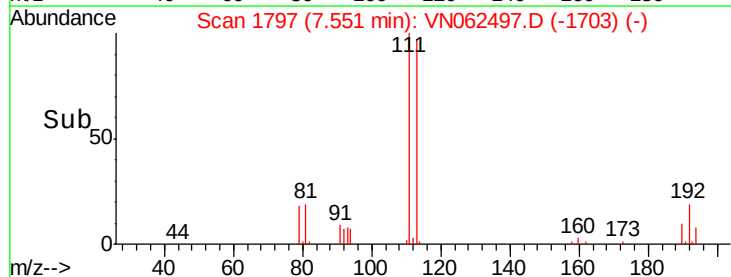
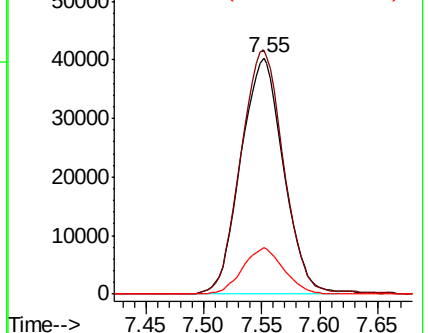
192 18.9 14.1 21.1

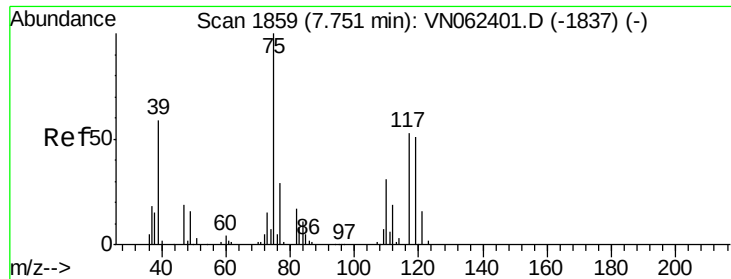


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

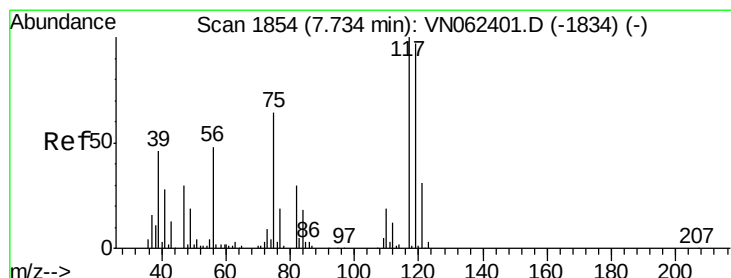
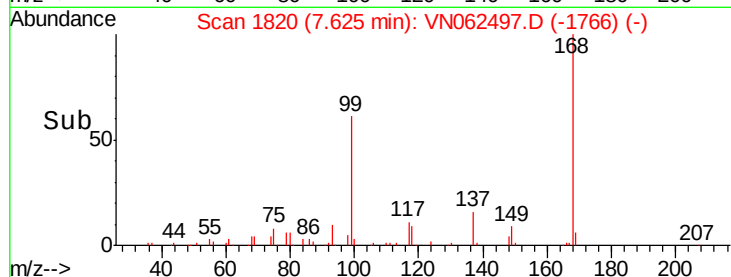
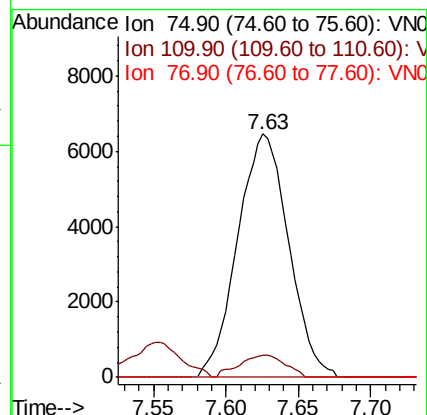
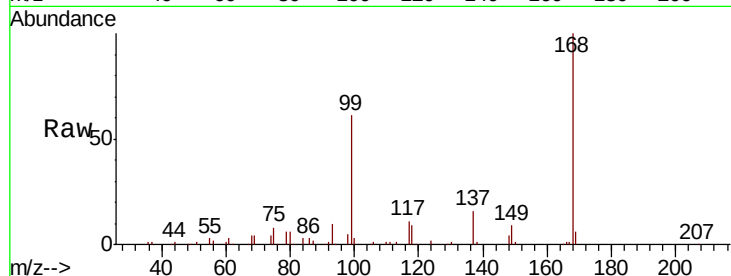




#36
 1,1-Dichloropropene
 Concen: 4.843 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062497.D
 Acq: 10 Jul 2020 17:08

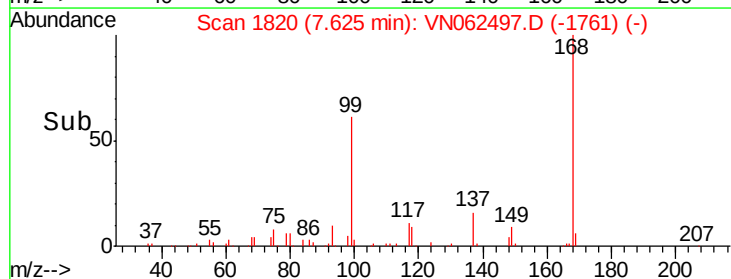
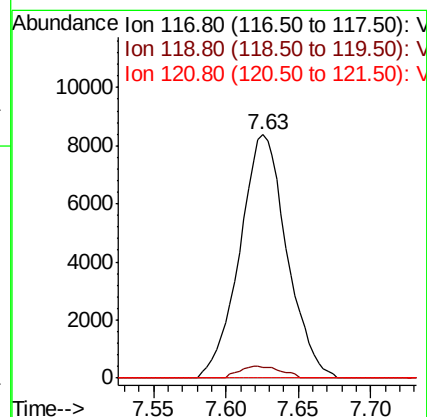
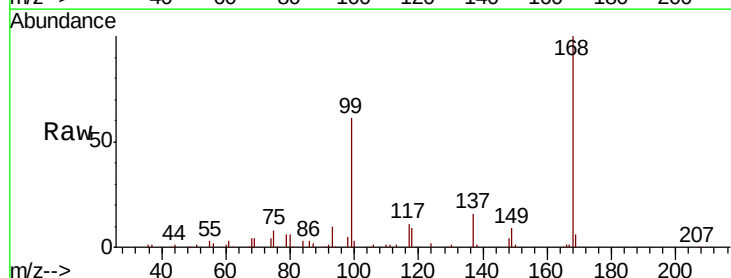
Instrument :
 MSVOA_N
 ClientSampleId :

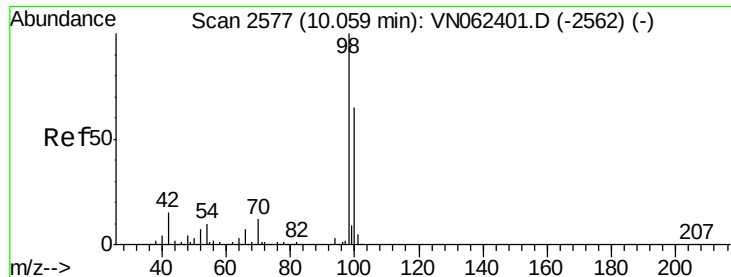
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.3	15.4	46.2#
77	0.0	24.1	36.1#



#38
 Carbon Tetrachloride
 Concen: 6.446 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.11 min
 Lab File: VN062497.D
 Acq: 10 Jul 2020 17:08

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.6	77.2	115.8#
121	0.0	24.8	37.2#





#50

Toluene-d8

Concen: 52.902 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN062497.D

Acq: 10 Jul 2020 17:08

Instrument :

MSVOA_N

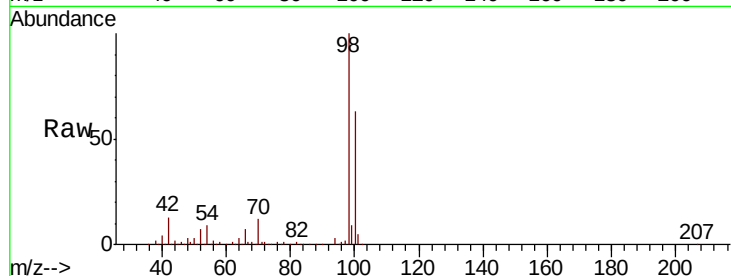
ClientSampleId :

Tot Ion: 98 Resp: 418293

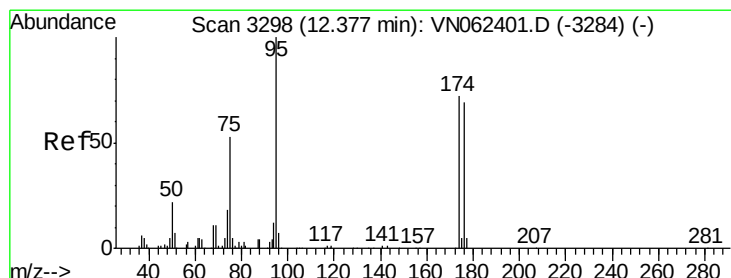
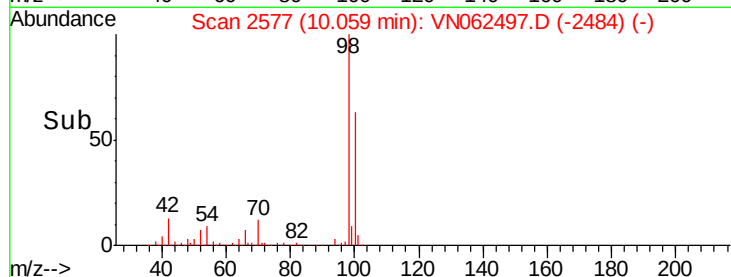
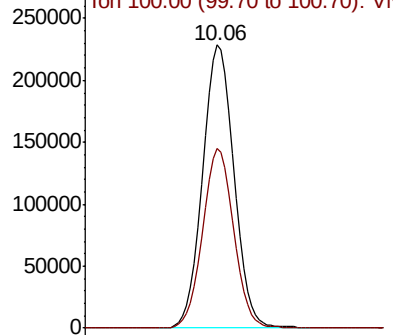
Ion Ratio Lower Upper

98 100

100 63.0 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VN062401.D (-2562) (-)



#62

4-Bromofluorobenzene

Concen: 50.976 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN062497.D

Acq: 10 Jul 2020 17:08

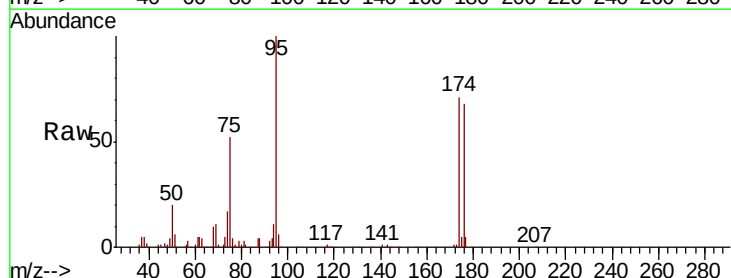
Tgt Ion: 95 Resp: 147294

Ion Ratio Lower Upper

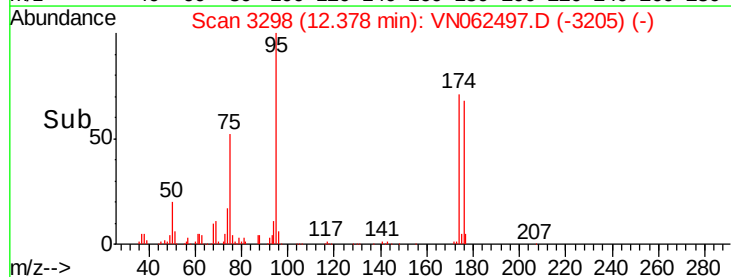
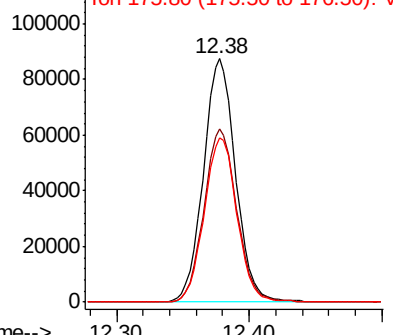
95 100

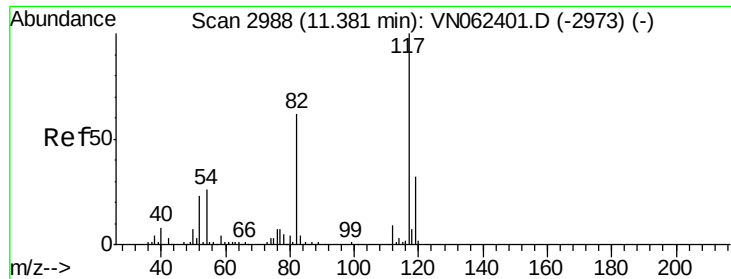
174 72.7 0.0 141.6

176 68.8 0.0 137.2



Abundance Ion 94.90 (94.60 to 95.60): VN062401.D (-3284) (-)

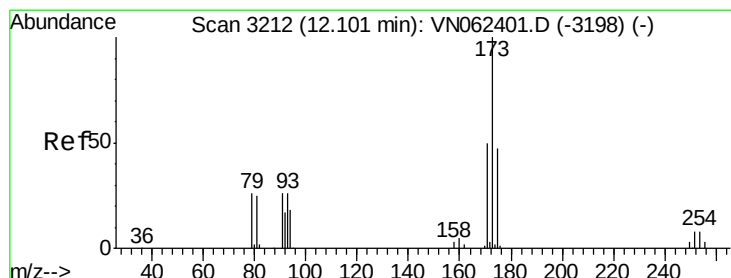
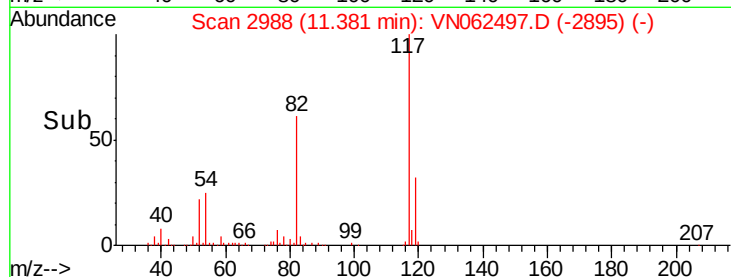
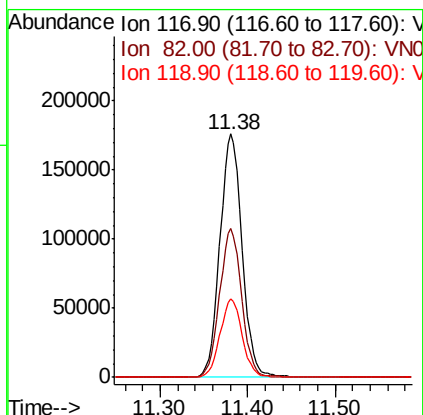
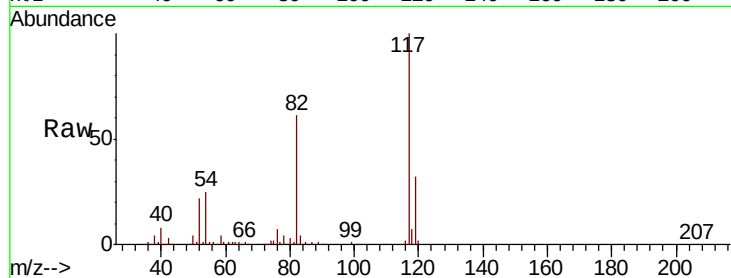




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062497.D
Acq: 10 Jul 2020 17:08

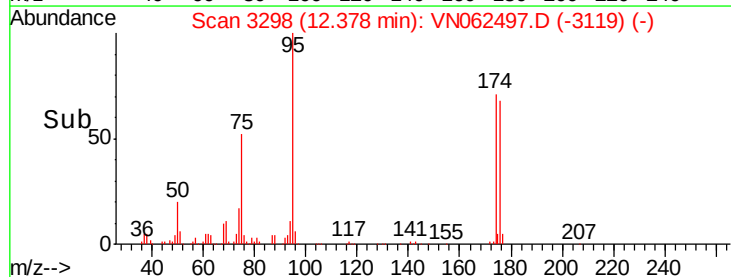
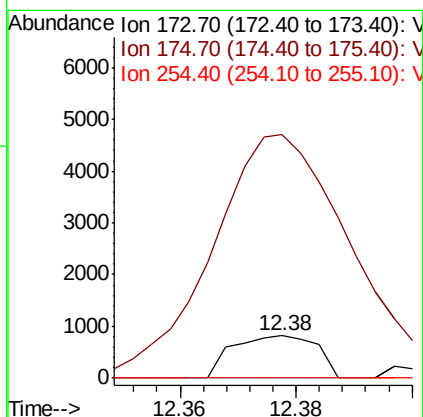
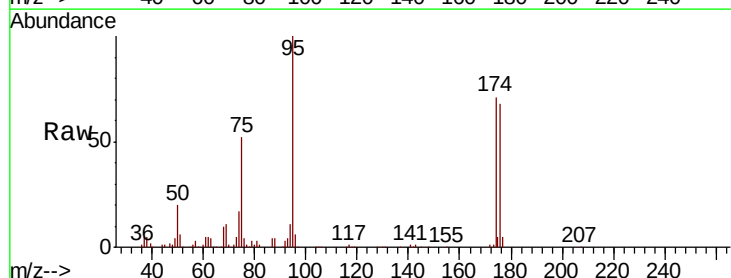
Instrument :
MSVOA_N
ClientSampleId :

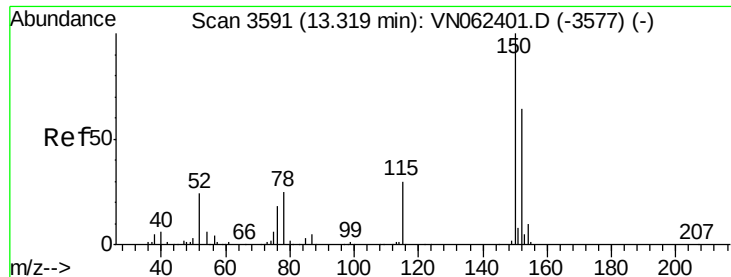
Tot Ion:117 Resp: 309349
Ion Ratio Lower Upper
117 100
82 61.1 49.6 74.4
119 32.1 25.4 38.0



#71
Bromoform
Concen: 0.506 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.28 min
Lab File: VN062497.D
Acq: 10 Jul 2020 17:08

Tgt Ion:173 Resp: 822
Ion Ratio Lower Upper
173 100
175 791.7 23.7 71.1#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062497.D

Acq: 10 Jul 2020 17:08

Instrument :

MSVOA_N

ClientSampleId :

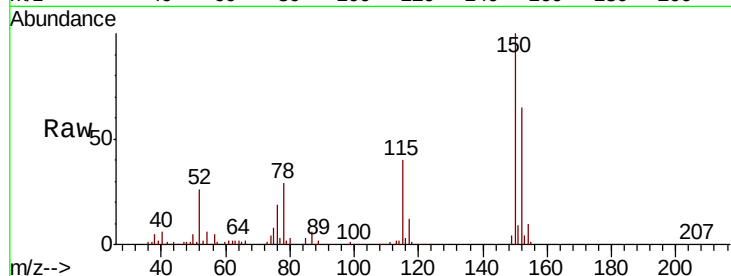
Tot Ion:152 Resp: 114009

Ion Ratio Lower Upper

152 100

115 62.0 31.4 94.2

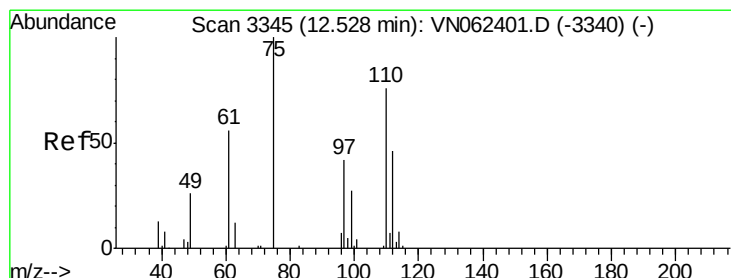
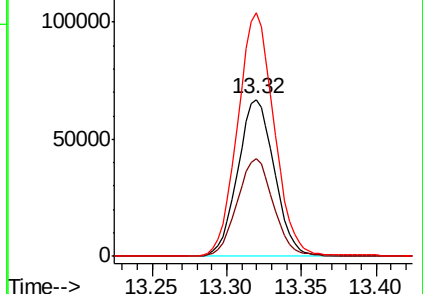
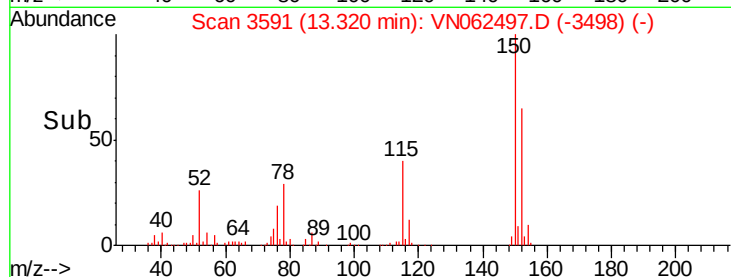
150 155.5 0.0 347.4



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



#76

1,2,3-Trichloropropane

Concen: 27.994 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062497.D

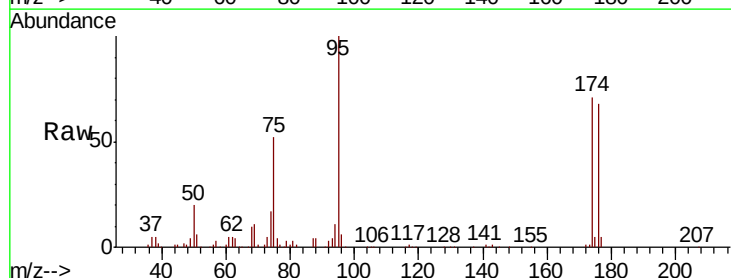
Acq: 10 Jul 2020 17:08

Tgt Ion: 75 Resp: 78311

Ion Ratio Lower Upper

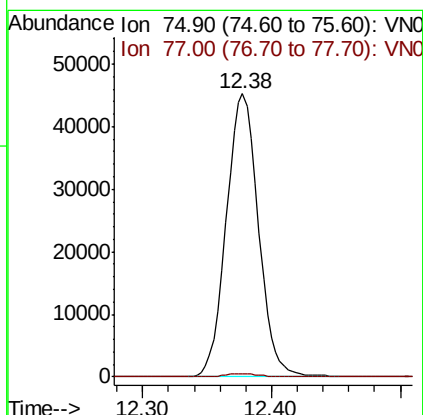
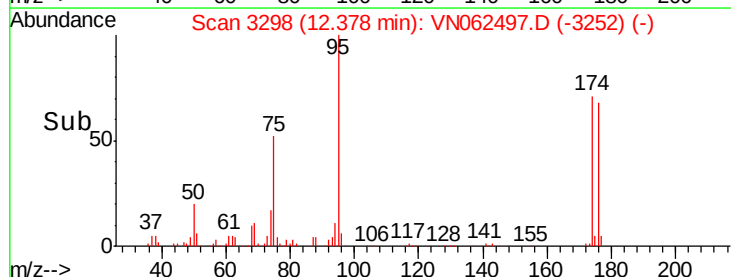
75 100

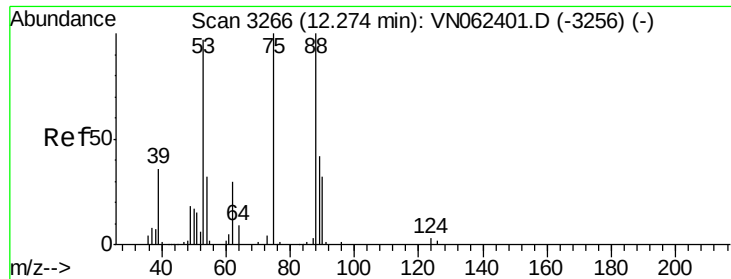
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 74.929 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062497.D

Acq: 10 Jul 2020 17:08

Instrument :

MSVOA_N

ClientSampled :

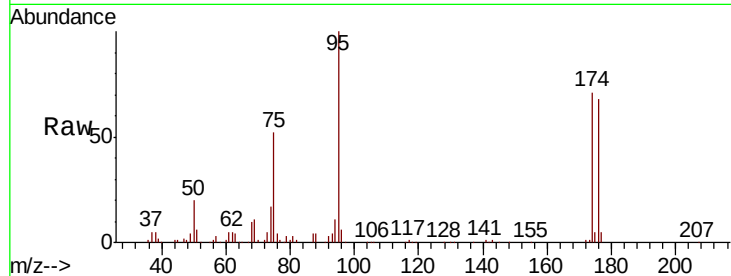
Tot Ion: 75 Resp: 78311

Ion Ratio Lower Upper

75 100

53 0.0 79.2 118.8#

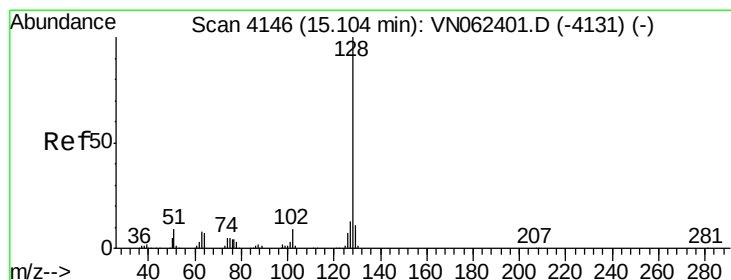
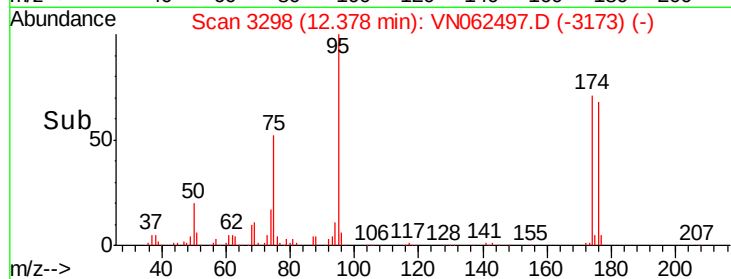
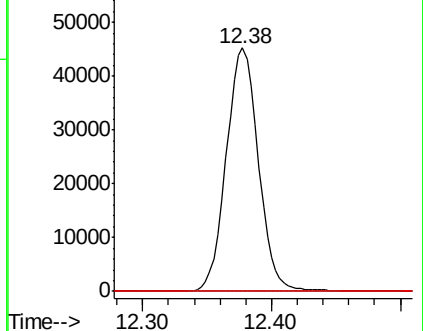
89 0.0 34.6 52.0#



Abundance Ion 74.90 (74.60 to 75.60): VN062497.D (-3173) (-)

Ion 53.00 (52.70 to 53.70): VN062497.D (-3173) (-)

Ion 88.90 (88.60 to 89.60): VN062497.D (-3173) (-)



#95

Naphthalene

Concen: Below Cal

RT: 15.11 min Scan# 4148

Delta R.T. 0.01 min

Lab File: VN062497.D

Acq: 10 Jul 2020 17:08

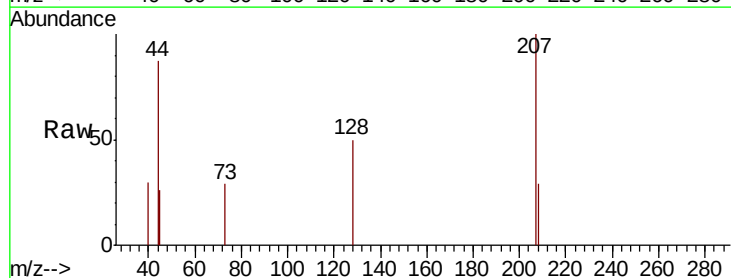
Tgt Ion: 128 Resp: 721

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

129 0.0 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): VN062497.D (-4052) (-)

Ion 127.00 (126.70 to 127.70): VN062497.D (-4052) (-)

Ion 129.00 (128.70 to 129.70): VN062497.D (-4052) (-)

