

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092420\
 Data File : VX018573.D
 Acq On : 24 Sep 2020 15:32
 Operator : JC/SP
 Sample : L4118-09 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP04-20200918

Quant Time: Sep 25 01:07:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 17 12:17:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	451939	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	722000	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	714949	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	354252	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	330393	51.68	ug/l	0.00
Spiked Amount			Recovery	=	103.36%	
35) Dibromofluoromethane	5.46	113	252501	50.59	ug/l	0.00
Spiked Amount			Recovery	=	101.18%	
50) Toluene-d8	8.70	98	885596	48.83	ug/l	0.00
Spiked Amount			Recovery	=	97.66%	
62) 4-Bromofluorobenzene	11.12	95	334726	46.40	ug/l	0.00
Spiked Amount			Recovery	=	92.80%	

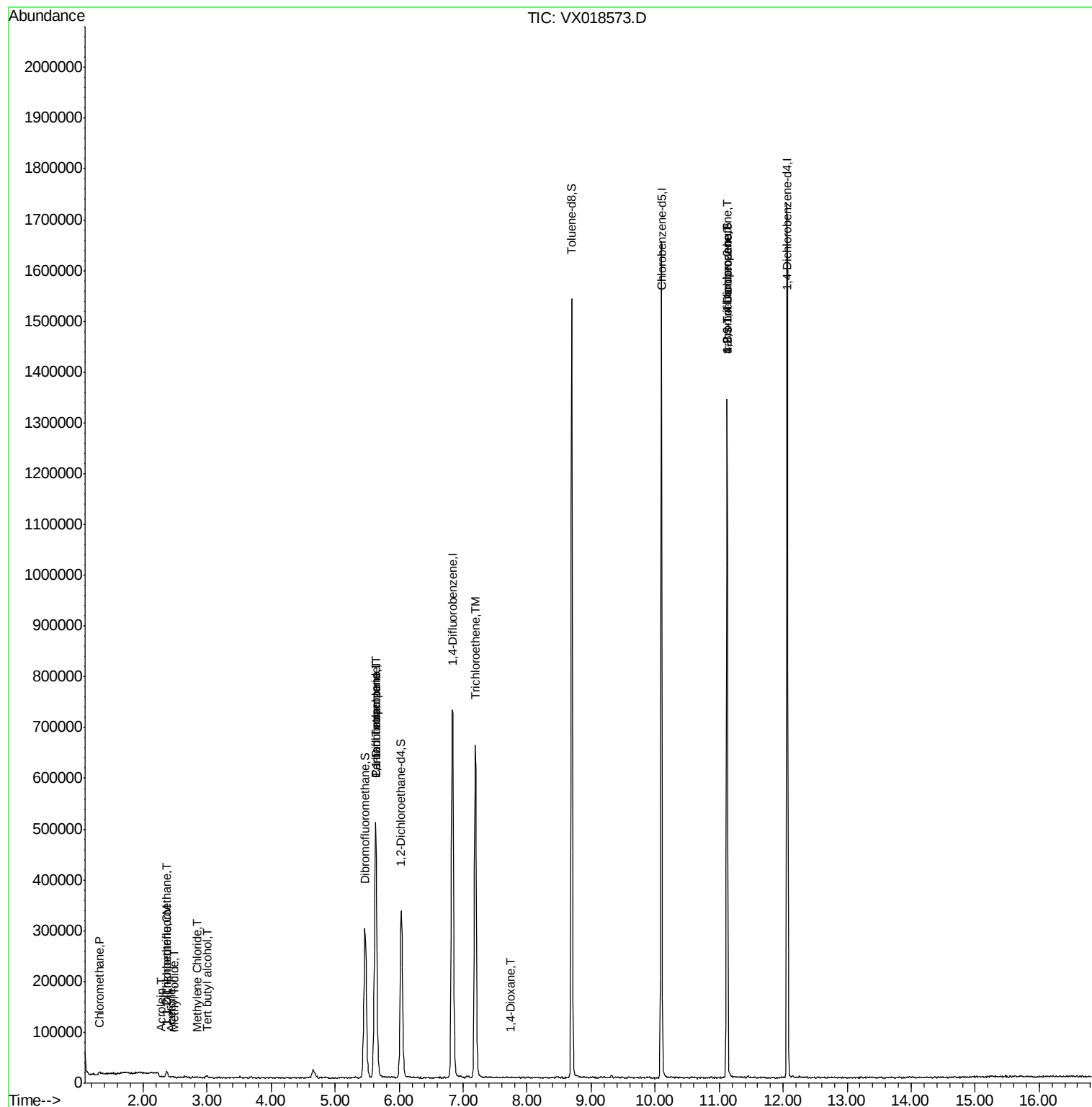
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	1227	0.245	ug/l #	72
9) 1,1,2-Trichlorotrifluoroet	2.36	101	4247	0.978	ug/l	99
10) Methyl Iodide	2.48	142	306	4.966	ug/l #	64
11) Tert butyl alcohol	3.01	59	1940	1.744	ug/l	96
12) 1,1-Dichloroethene	2.37	96	1888	0.431	ug/l #	44
13) Acrolein	2.28	56	252	0.358	ug/l #	1
16) Acetone	2.43	43	1688	0.690	ug/l	90
20) Methylene Chloride	2.83	84	1658	0.307	ug/l #	77
36) 1,1-Dichloropropene	5.63	75	35850	5.116	ug/l #	51
38) Carbon Tetrachloride	5.63	117	47739	6.151	ug/l #	19
44) Trichloroethene	7.19	130	253096	43.533	ug/l	92
49) 1,4-Dioxane	7.74	88	88	0.881	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	175659	23.596	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	175659	60.465	ug/l #	13

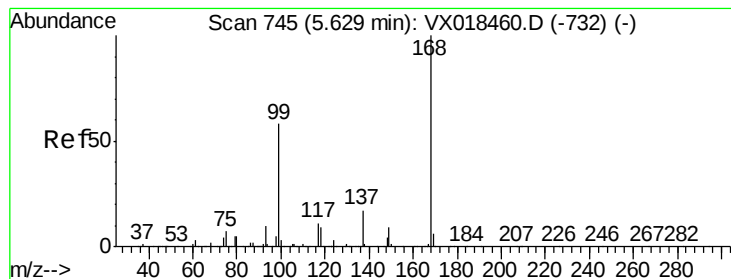
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Sep 17 12:17:36 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX018573.D

Acq: 24 Sep 2020 15:32

Instrument :

MSVOA_X

ClientSampleId :

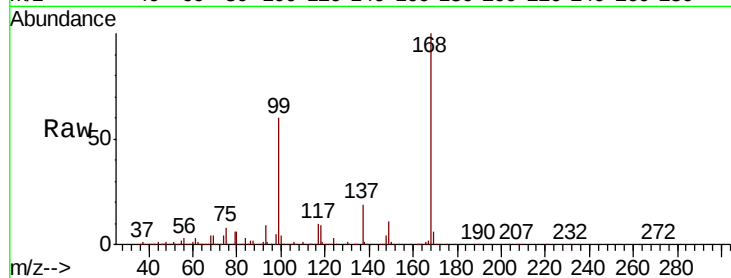
DUP04-20200918

Tot Ion:168 Resp: 451939

Ion Ratio Lower Upper

168 100

99 59.9 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

150000

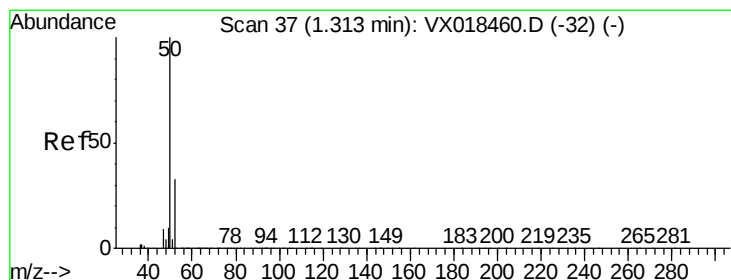
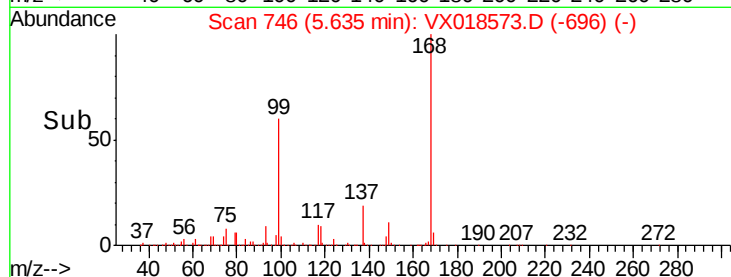
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.245 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX018573.D

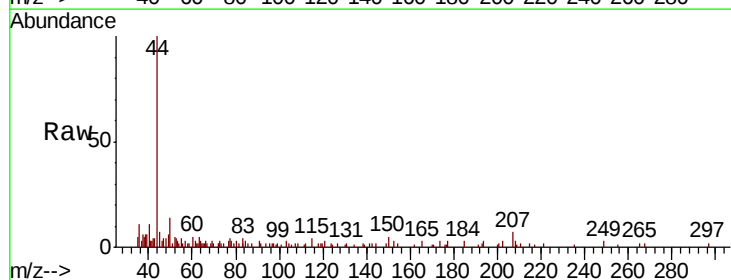
Acq: 24 Sep 2020 15:32

Tgt Ion: 50 Resp: 1227

Ion Ratio Lower Upper

50 100

52 49.1 26.6 40.0#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

600

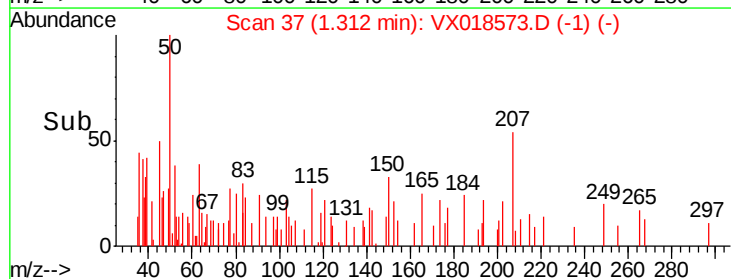
400

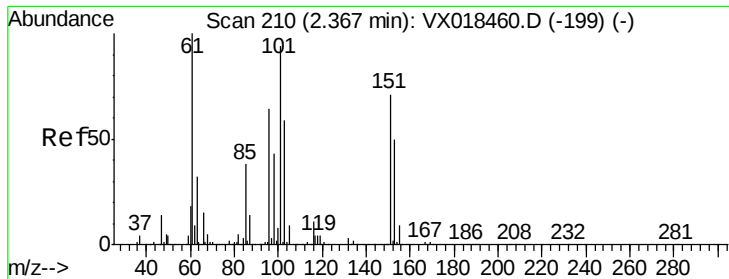
200

0

Time-->

1.25 1.30 1.35





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.978 ug/l

RT: 2.36 min Scan# 209

Delta R.T. -0.01 min

Lab File: VX018573.D

Acq: 24 Sep 2020 15:32

Instrument :

MSVOA_X

ClientSampleId :

DUP04-20200918

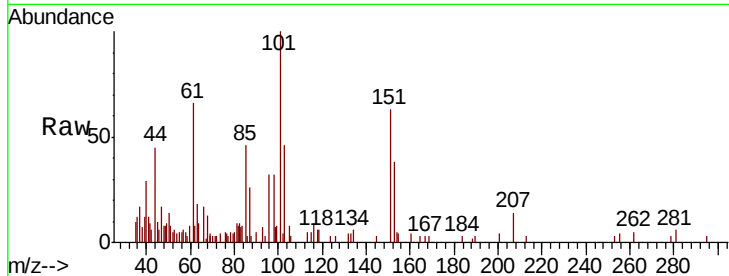
Tot Ion:101 Resp: 4247

Ion Ratio Lower Upper

101 100

85 44.2 34.7 52.1

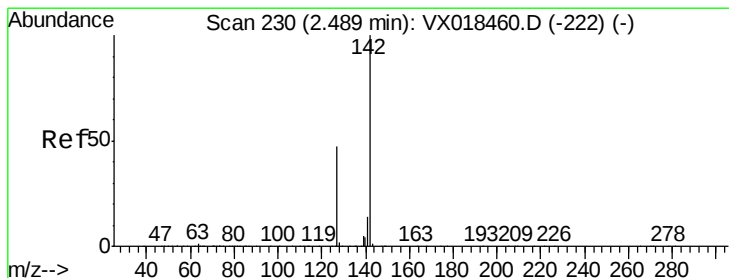
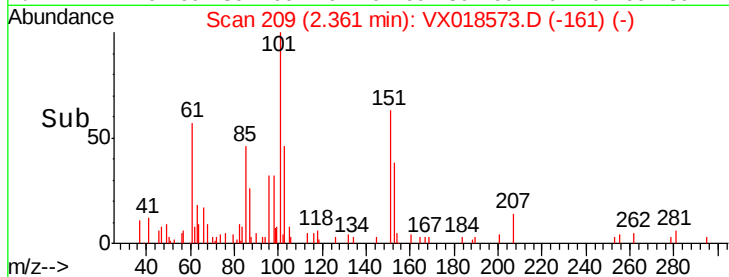
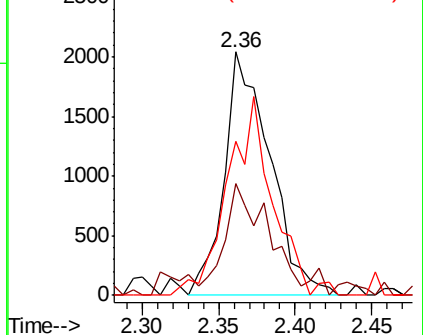
151 80.2 64.9 97.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 4.966 ug/l

RT: 2.48 min Scan# 229

Delta R.T. -0.01 min

Lab File: VX018573.D

Acq: 24 Sep 2020 15:32

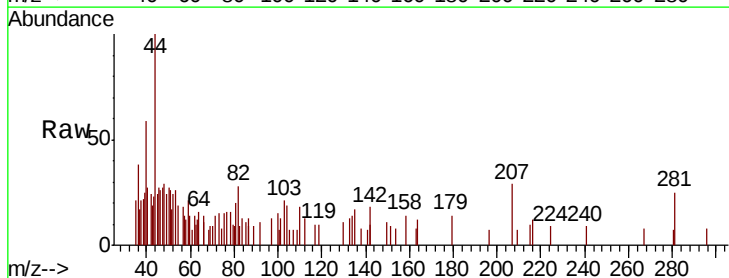
Tgt Ion:142 Resp: 306

Ion Ratio Lower Upper

142 100

127 19.6 36.0 54.0#

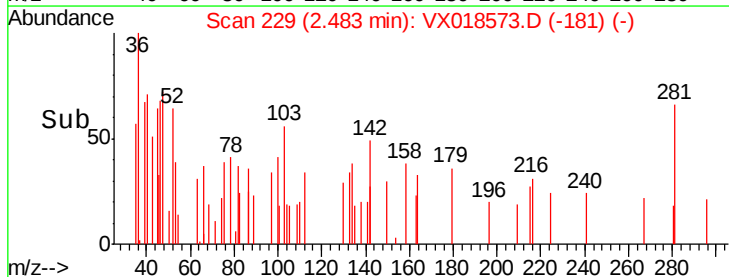
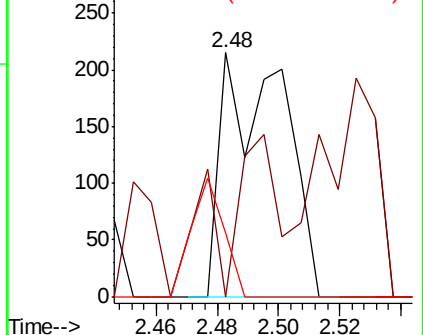
141 25.8 11.9 17.9#

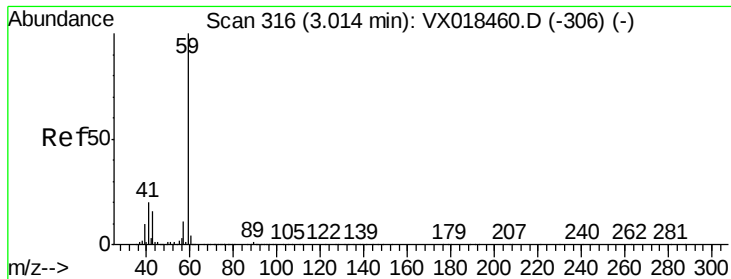


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

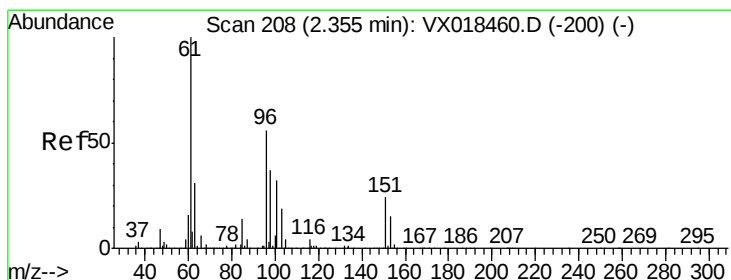
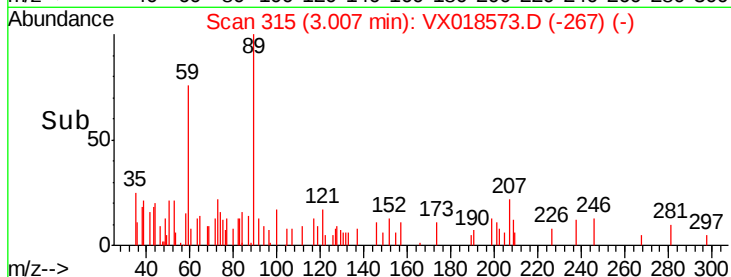
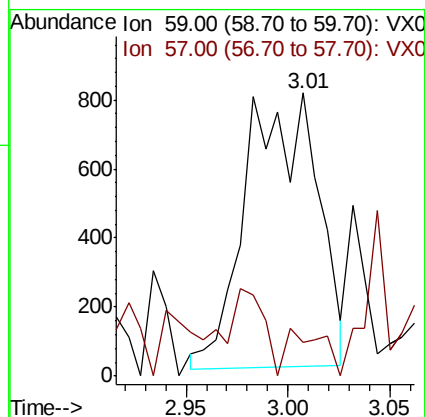
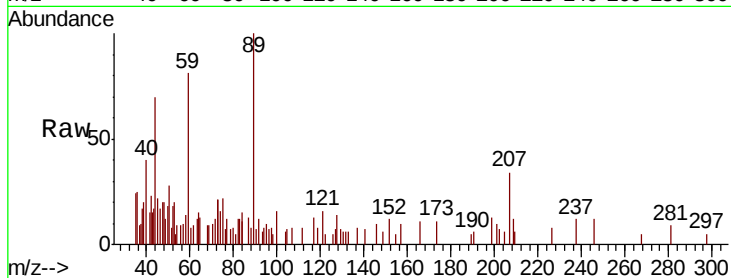




#11
Tert butyl alcohol
Concen: 1.744 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX018573.D
Acq: 24 Sep 2020 15:32

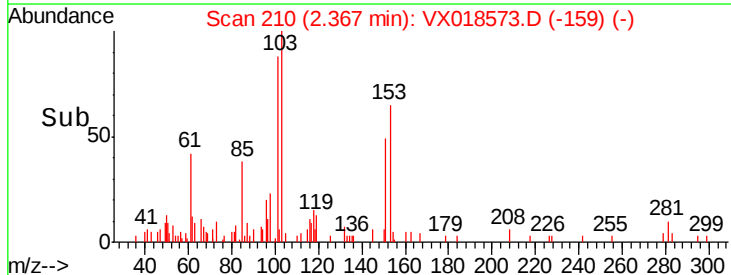
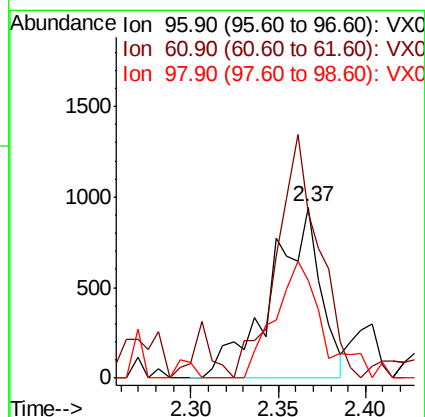
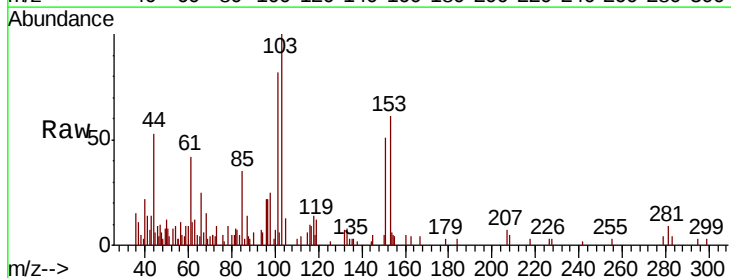
Instrument :
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DUP04-20200918

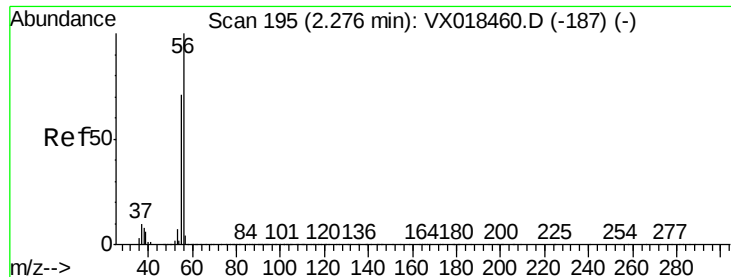
Tot Ion: 59 Resp: 1940
Ion Ratio Lower Upper
59 100
57 8.7 8.2 12.4



#12
1,1-Dichloroethene
Concen: 0.431 ug/l
RT: 2.37 min Scan# 210
Delta R.T. 0.01 min
Lab File: VX018573.D
Acq: 24 Sep 2020 15:32

Tgt Ion: 96 Resp: 1888
Ion Ratio Lower Upper
96 100
61 81.3 142.2 213.4#
98 47.6 52.4 78.6#





#13

Acrolein

Concen: 0.358 ug/l

RT: 2.28 min Scan# 195

Delta R.T. -0.00 min

Lab File: VX018573.D

Acq: 24 Sep 2020 15:32

Instrument :

MSVOA_X

ClientSampleId :

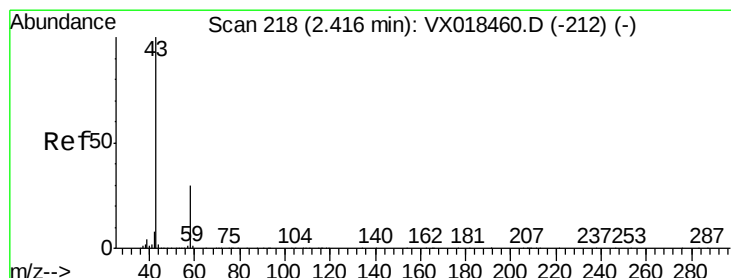
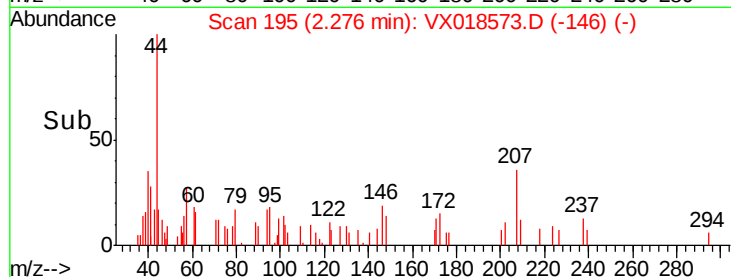
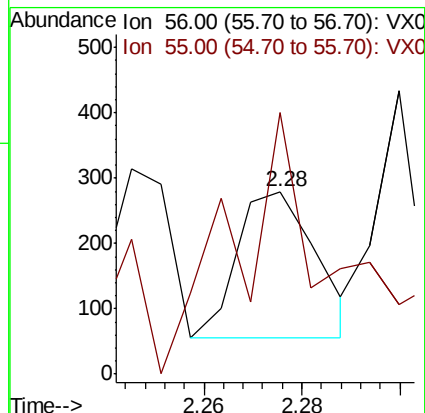
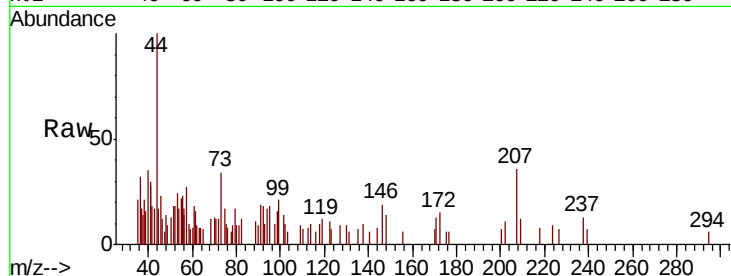
DUP04-20200918

Tot Ion: 56 Resp: 252

Ion Ratio Lower Upper

56 100

55 234.1 58.2 87.4#



#16

Acetone

Concen: 0.690 ug/l

RT: 2.43 min Scan# 221

Delta R.T. 0.02 min

Lab File: VX018573.D

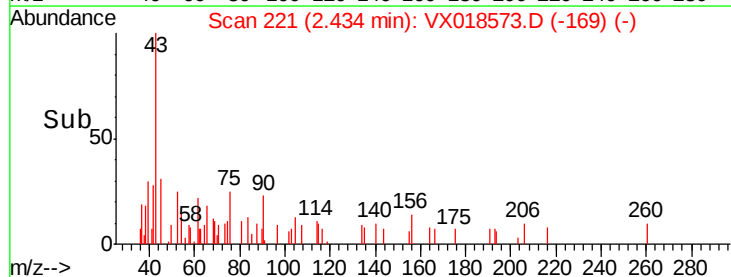
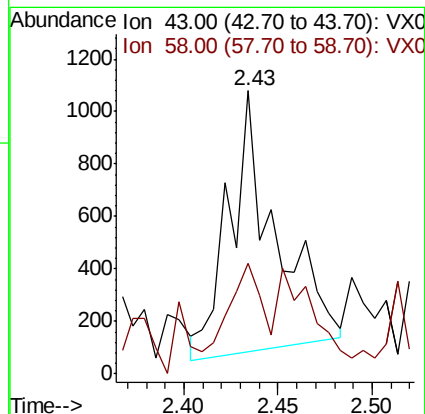
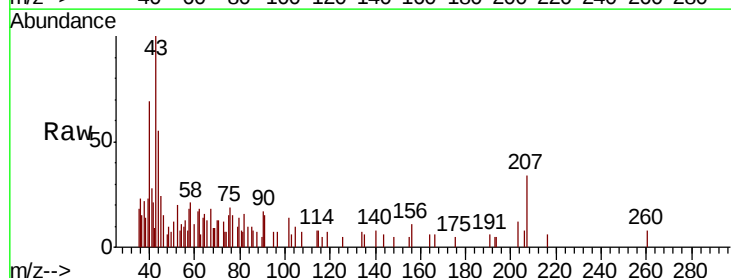
Acq: 24 Sep 2020 15:32

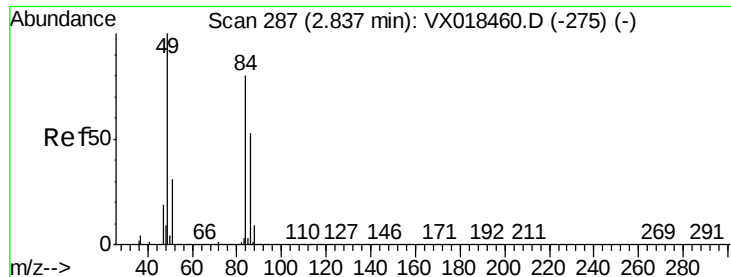
Tgt Ion: 43 Resp: 1688

Ion Ratio Lower Upper

43 100

58 35.2 24.0 36.0

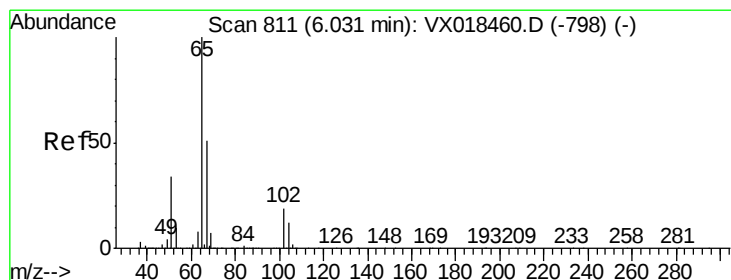
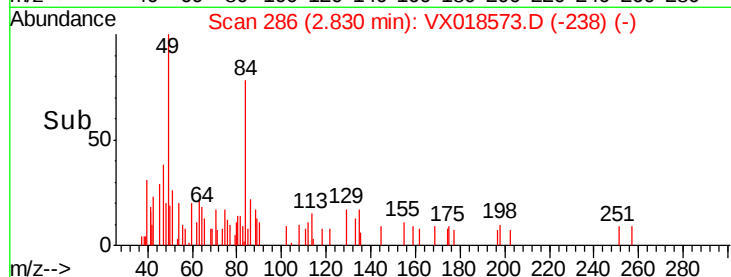
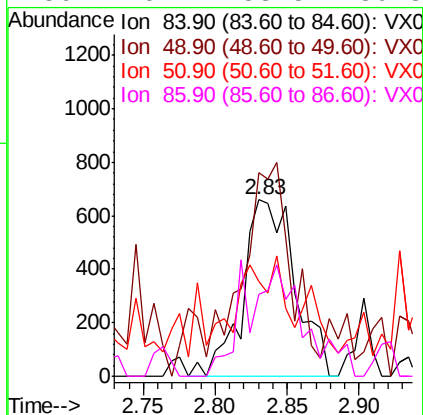
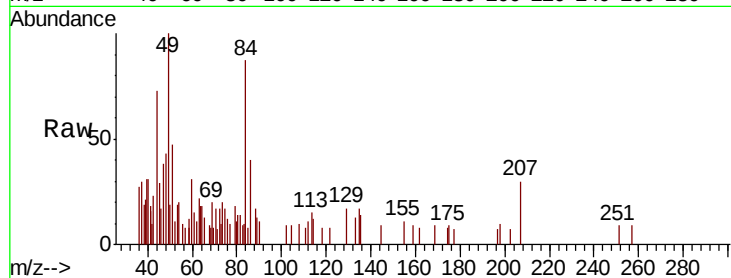




#20
Methvlene Chloride
Concen: 0.307 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX018573.D
Acq: 24 Sep 2020 15:32

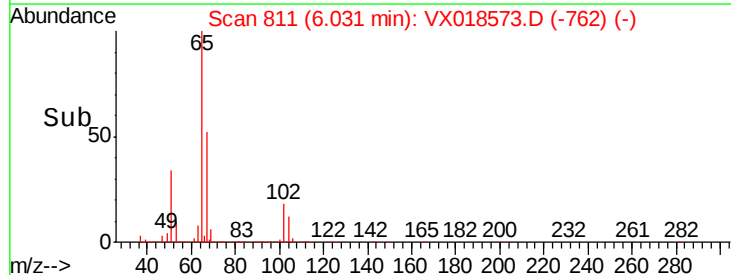
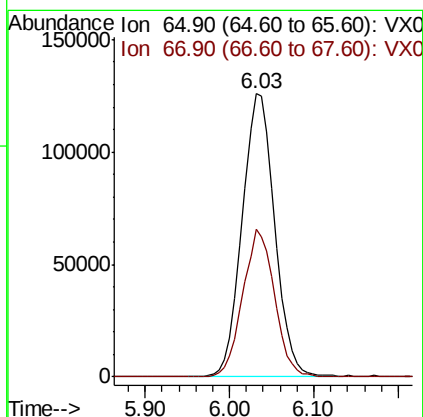
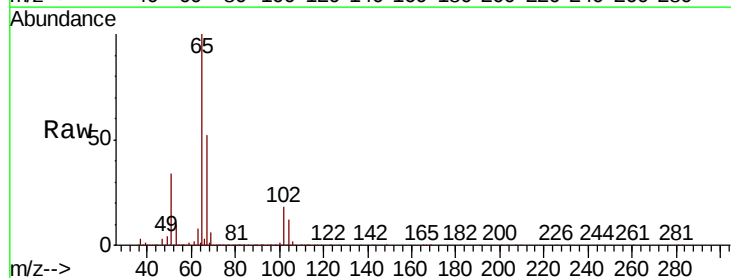
Instrument :
MSVOA_X
ClientSampleId :
DUP04-20200918

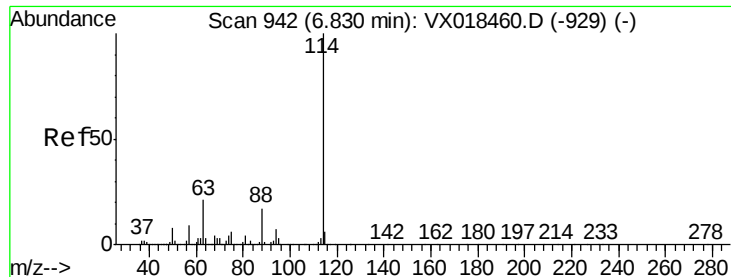
Tot Ion:	84	Resp:	1658
Ion	Ratio	Lower	Upper
84	100		
49	94.4	100.6	151.0#
51	40.8	30.9	46.3
86	46.2	53.5	80.3#



#33
1,2-Dichloroethane-d4
Concen: 51.677 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX018573.D
Acq: 24 Sep 2020 15:32

Tgt Ion:	65	Resp:	330393
Ion	Ratio	Lower	Upper
65	100		
67	50.9	0.0	105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX018573.D

Acq: 24 Sep 2020 15:32

Instrument :

MSVOA_X

ClientSampleId :

DUP04-20200918

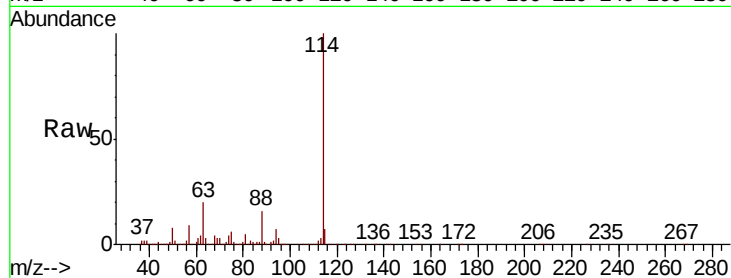
Tot Ion:114 Resp: 722000

Ion Ratio Lower Upper

114 100

63 19.8 0.0 42.8

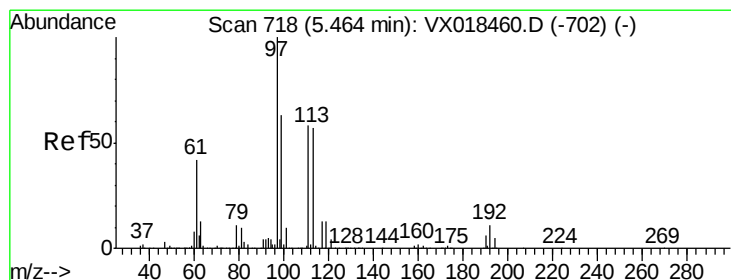
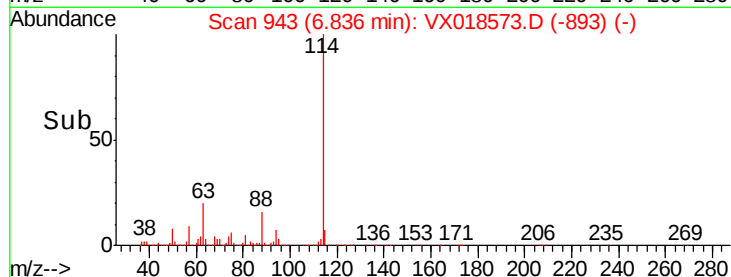
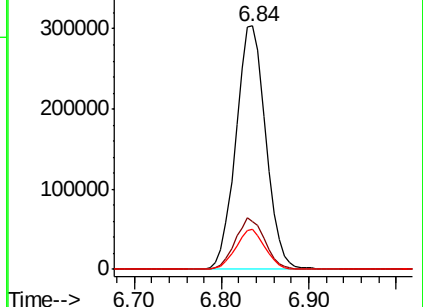
88 16.2 0.0 33.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 50.588 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX018573.D

Acq: 24 Sep 2020 15:32

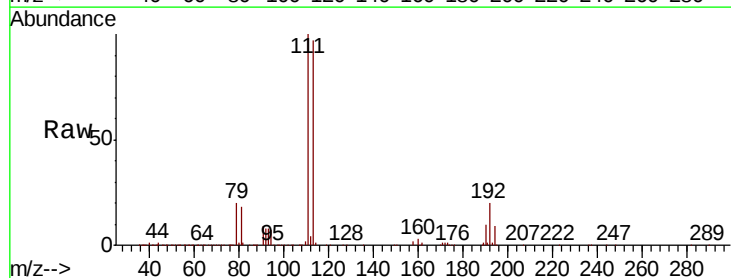
Tgt Ion:113 Resp: 252501

Ion Ratio Lower Upper

113 100

111 104.0 81.4 122.2

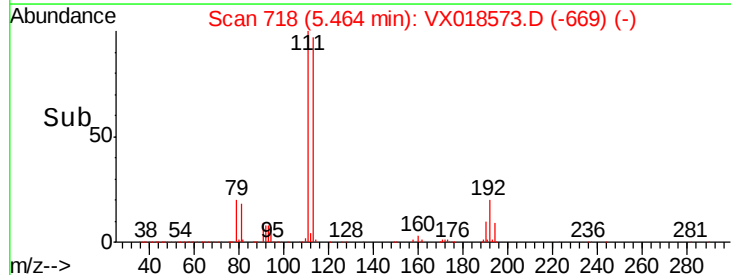
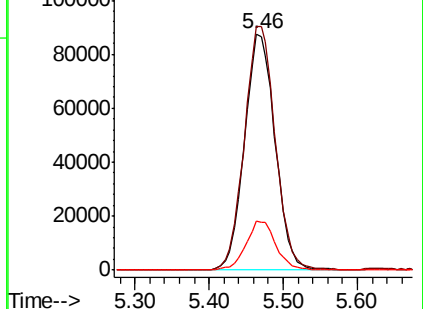
192 20.4 16.6 24.8

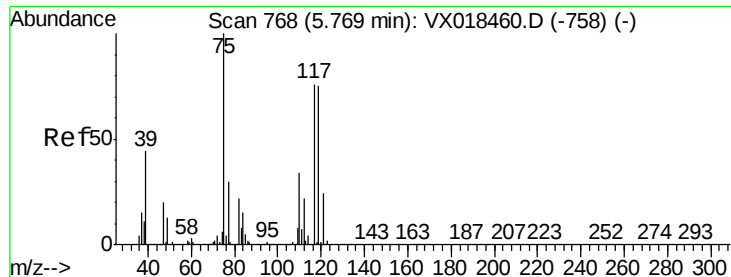


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

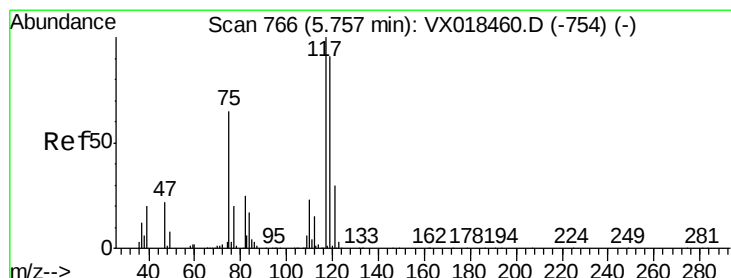
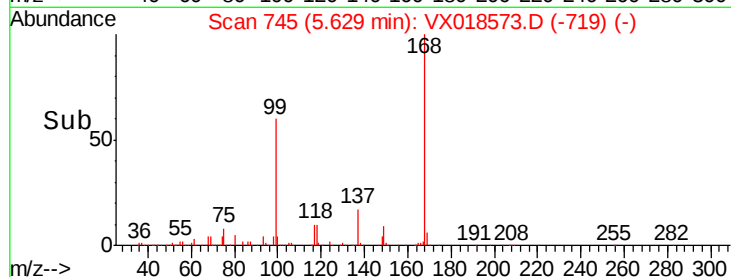
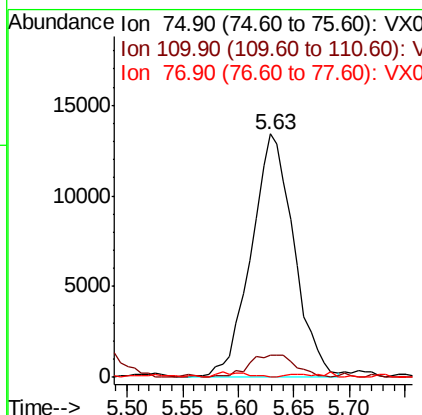
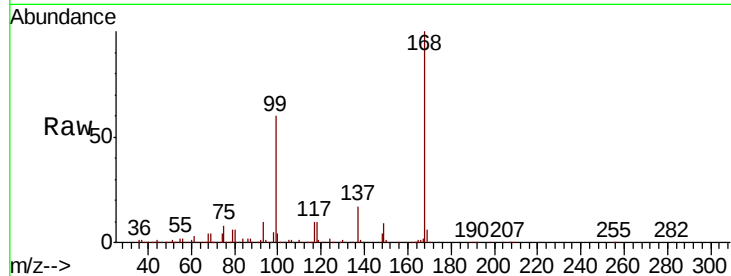




#36
 1,1-Dichloropropene
 Concen: 5.116 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX018573.D
 Acq: 24 Sep 2020 15:32

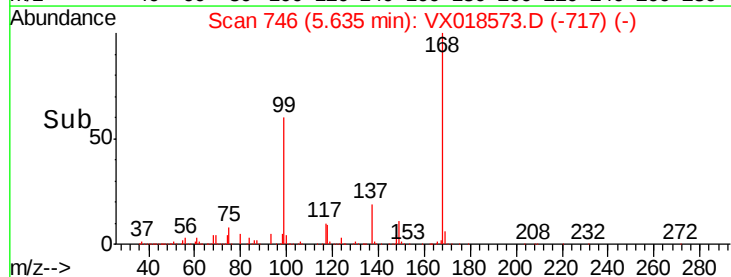
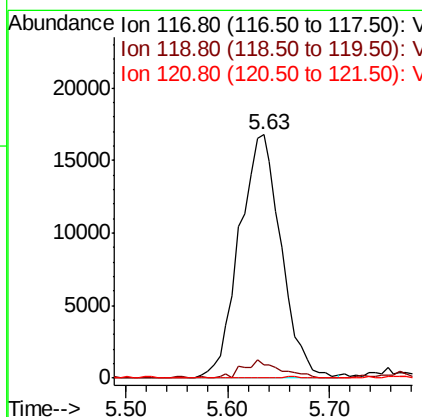
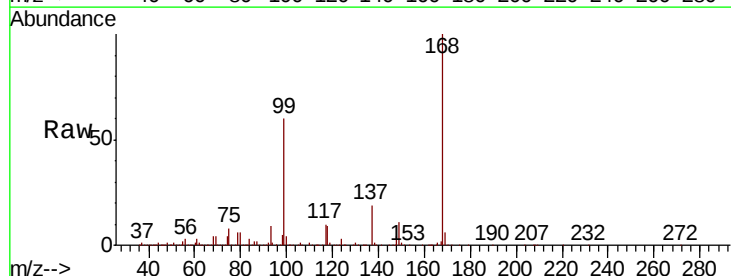
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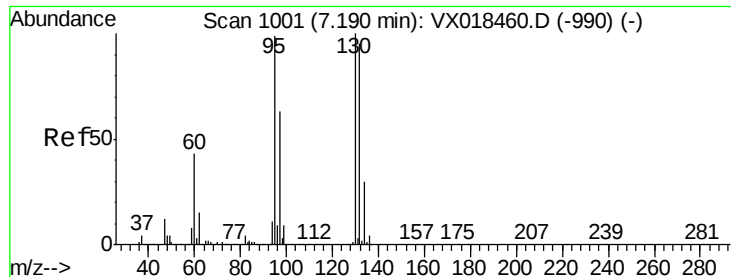
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.1	17.6	52.8#
77	0.7	25.0	37.6#



#38
 Carbon Tetrachloride
 Concen: 6.151 ug/l
 RT: 5.63 min Scan# 746
 Delta R.T. -0.12 min
 Lab File: VX018573.D
 Acq: 24 Sep 2020 15:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.5	72.3	108.5#
121	0.0	23.8	35.8#





#44

Trichloroethene

Concen: 43.533 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX018573.D

Acq: 24 Sep 2020 15:32

Instrument :

MSVOA_X

ClientSampleId :

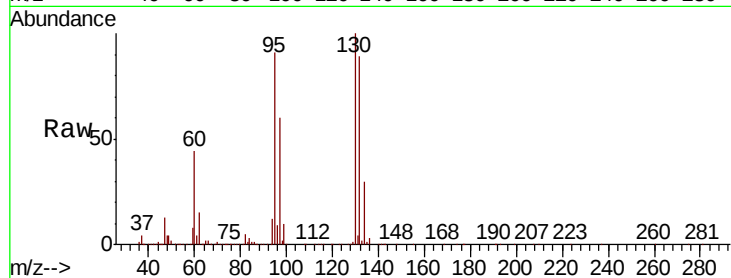
DUP04-20200918

Tot Ion:130 Resp: 253096

Ion Ratio Lower Upper

130 100

95 90.8 0.0 197.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.19

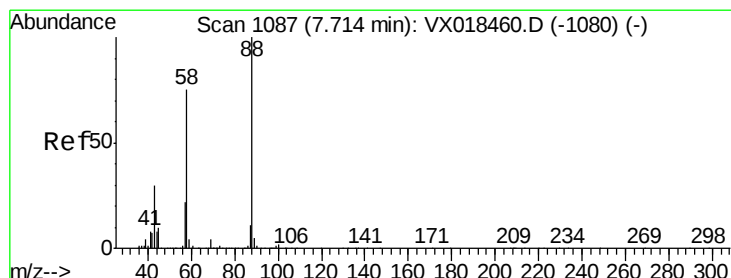
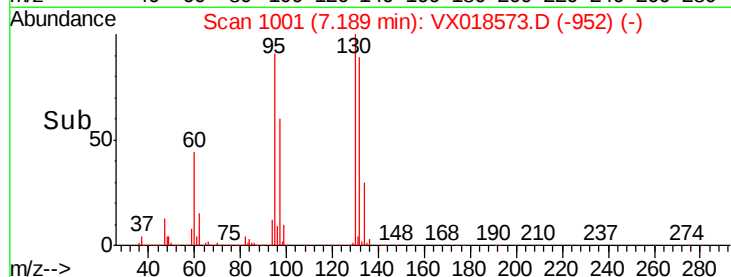
100000

50000

0

7.10 7.20 7.30

Time-->



#49

1,4-Dioxane

Concen: 0.881 ug/l

RT: 7.74 min Scan# 1091

Delta R.T. 0.02 min

Lab File: VX018573.D

Acq: 24 Sep 2020 15:32

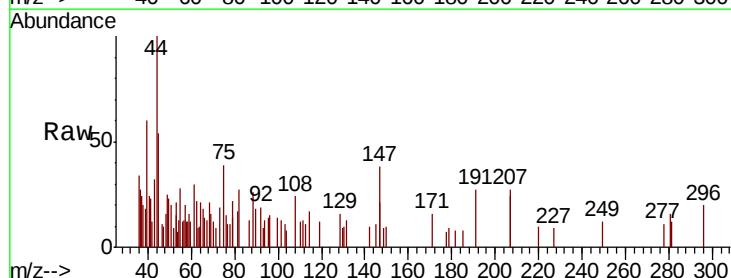
Tgt Ion: 88 Resp: 88

Ion Ratio Lower Upper

88 100

43 389.8 29.9 44.9#

58 0.0 59.0 88.6#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

300

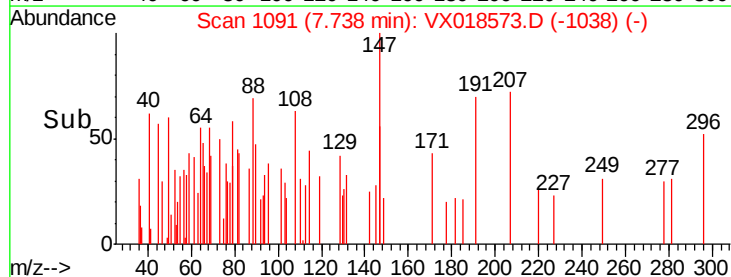
200

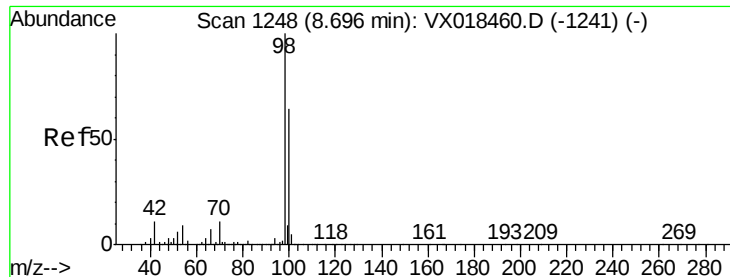
100

0

7.72 7.73 7.74 7.75

Time-->





#50

Toluene-d8

Concen: 48.833 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018573.D

Acq: 24 Sep 2020 15:32

Instrument :

MSVOA_X

ClientSampleId :

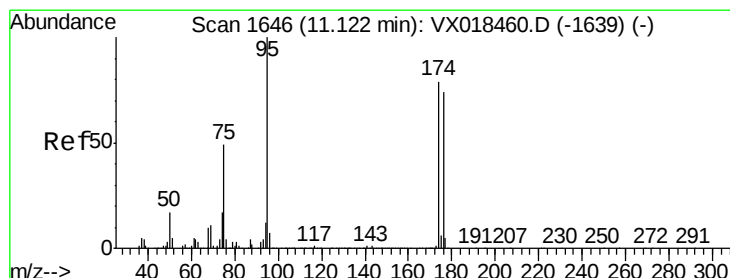
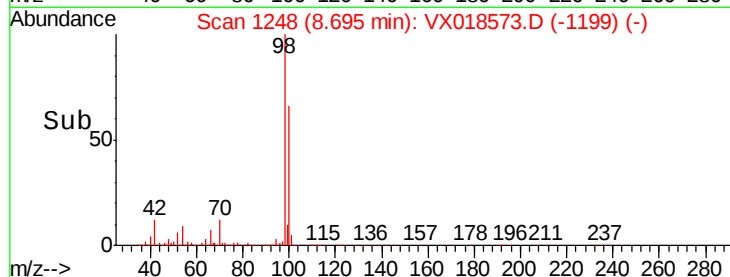
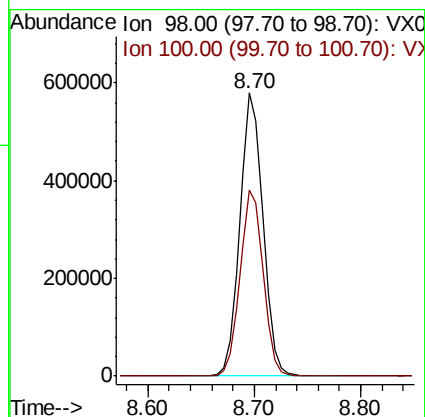
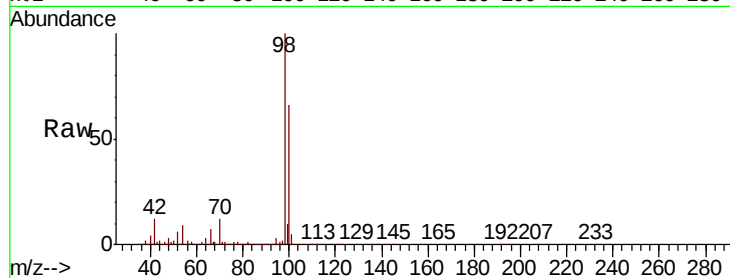
DUP04-20200918

Tot Ion: 98 Resp: 885596

Ion Ratio Lower Upper

98 100

100 65.8 51.7 77.5



#62

4-Bromofluorobenzene

Concen: 46.401 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018573.D

Acq: 24 Sep 2020 15:32

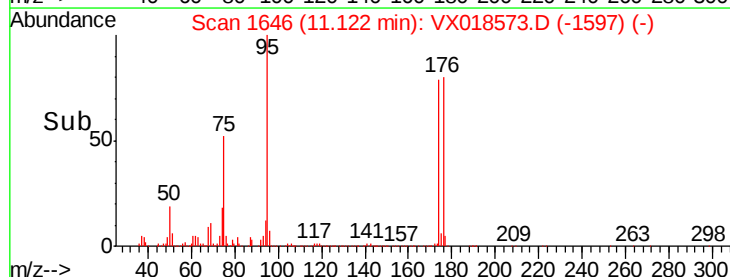
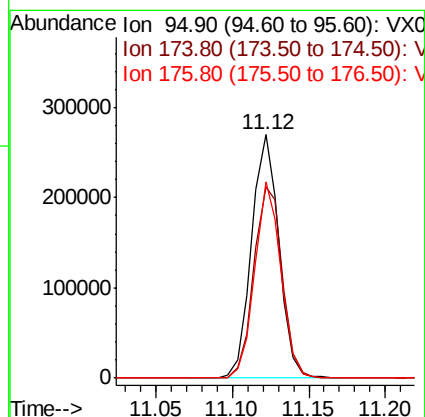
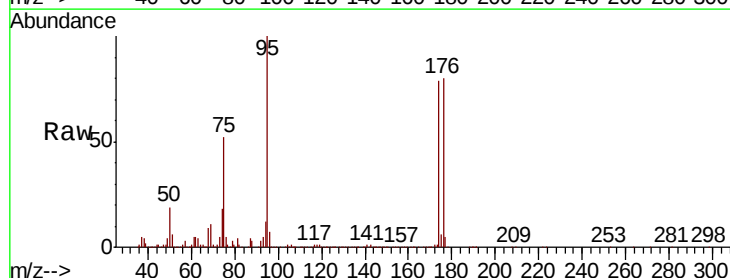
Tgt Ion: 95 Resp: 334726

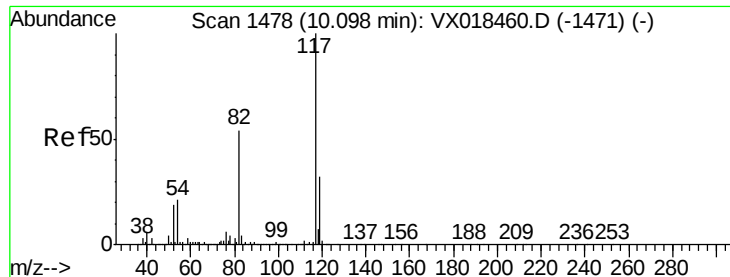
Ion Ratio Lower Upper

95 100

174 82.4 0.0 161.4

176 77.5 0.0 151.4

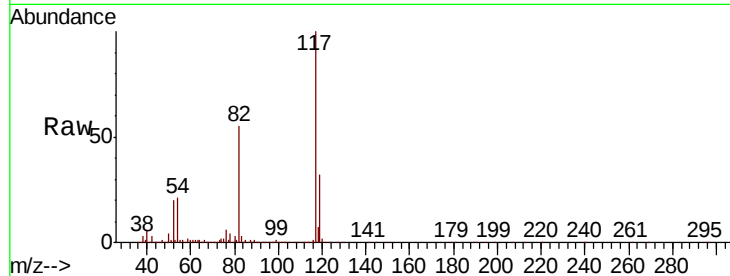




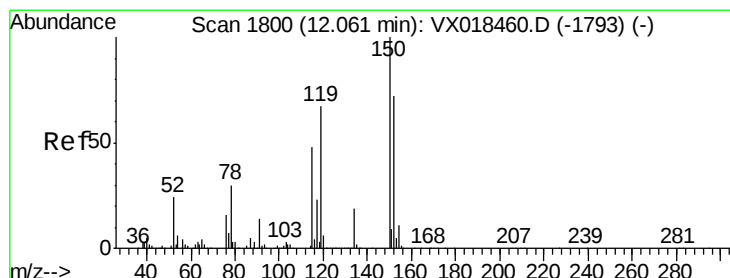
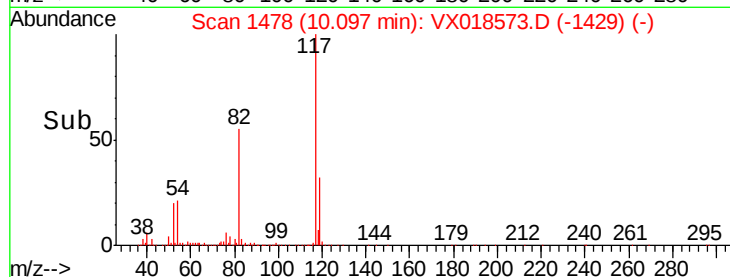
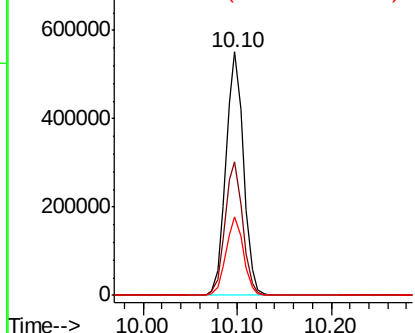
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX018573.D
Acq: 24 Sep 2020 15:32

Instrument :
MSVOA_X
ClientSampleId :
DUP04-20200918

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.0	43.3	64.9
119	32.2	25.9	38.9

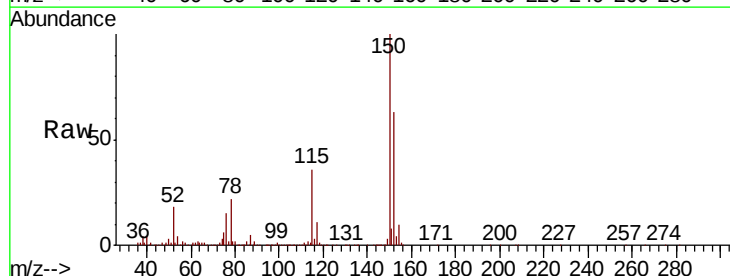


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

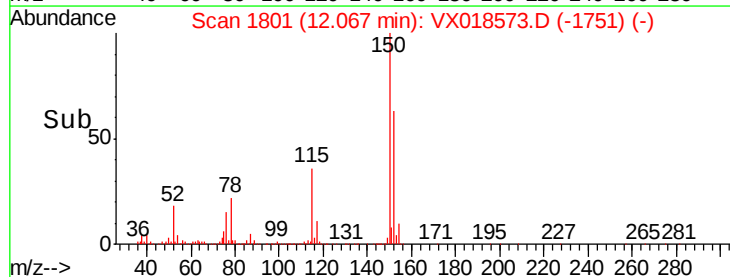
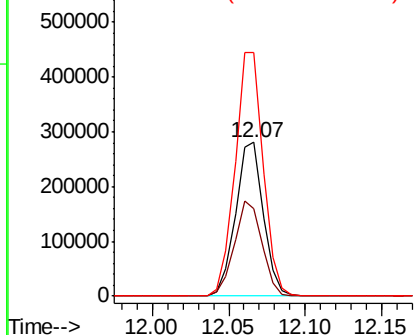


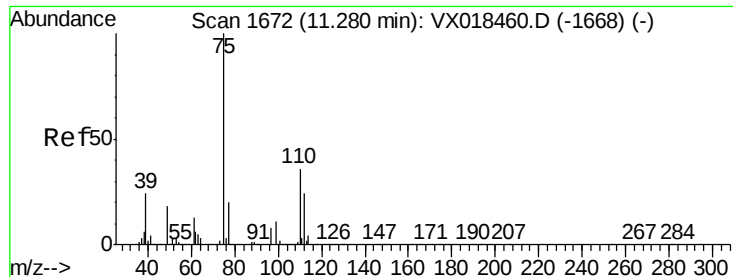
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1801
Delta R.T. 0.01 min
Lab File: VX018573.D
Acq: 24 Sep 2020 15:32

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.4	41.8	125.4
150	159.9	0.0	342.4



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: 23.596 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018573.D

Acq: 24 Sep 2020 15:32

Instrument :

MSVOA_X

ClientSampleId :

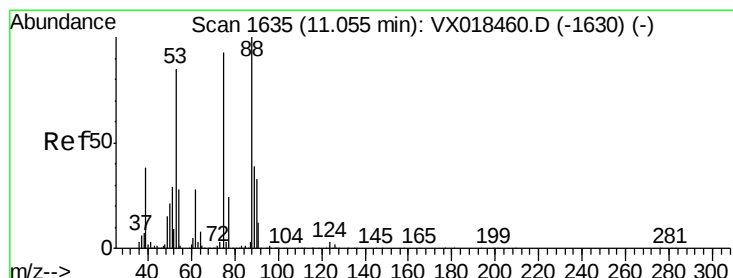
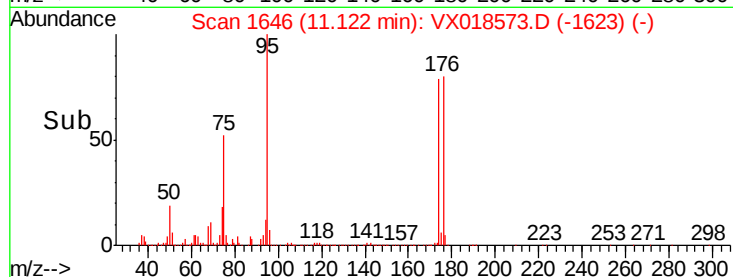
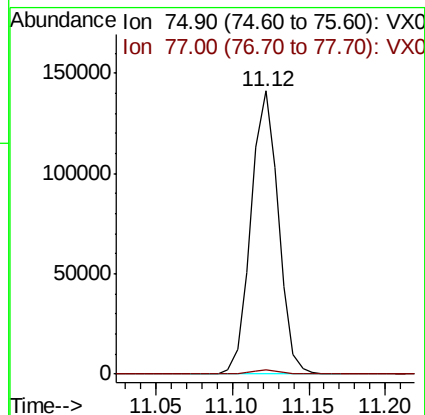
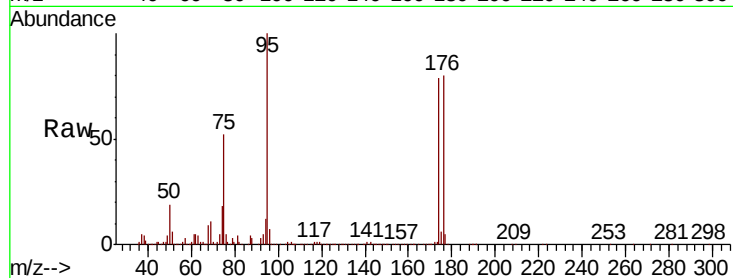
DUP04-20200918

Tot Ion: 75 Resp: 175659

Ion Ratio Lower Upper

75 100

77 1.6 20.9 62.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 60.465 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX018573.D

Acq: 24 Sep 2020 15:32

Tgt Ion: 75 Resp: 175659

Ion Ratio Lower Upper

75 100

53 0.7 74.6 111.8#

89 0.1 36.2 54.4#

