

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071620\
 Data File : VX017407.D
 Acq On : 16 Jul 2020 21:24
 Operator : JC/SP
 Sample : L3328-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ERM-7

Quant Time: Jul 17 01:04:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071320W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 14 02:59:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	246862	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	439177	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	460579	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	246940	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	172987	55.83	ug/l	0.00
Spiked Amount			Recovery	=	111.66%	
35) Dibromofluoromethane	5.47	113	150107	50.74	ug/l	0.00
Spiked Amount			Recovery	=	101.48%	
50) Toluene-d8	8.70	98	539450	50.55	ug/l	0.00
Spiked Amount			Recovery	=	101.10%	
62) 4-Bromofluorobenzene	11.12	95	217743	51.37	ug/l	0.00
Spiked Amount			Recovery	=	102.74%	

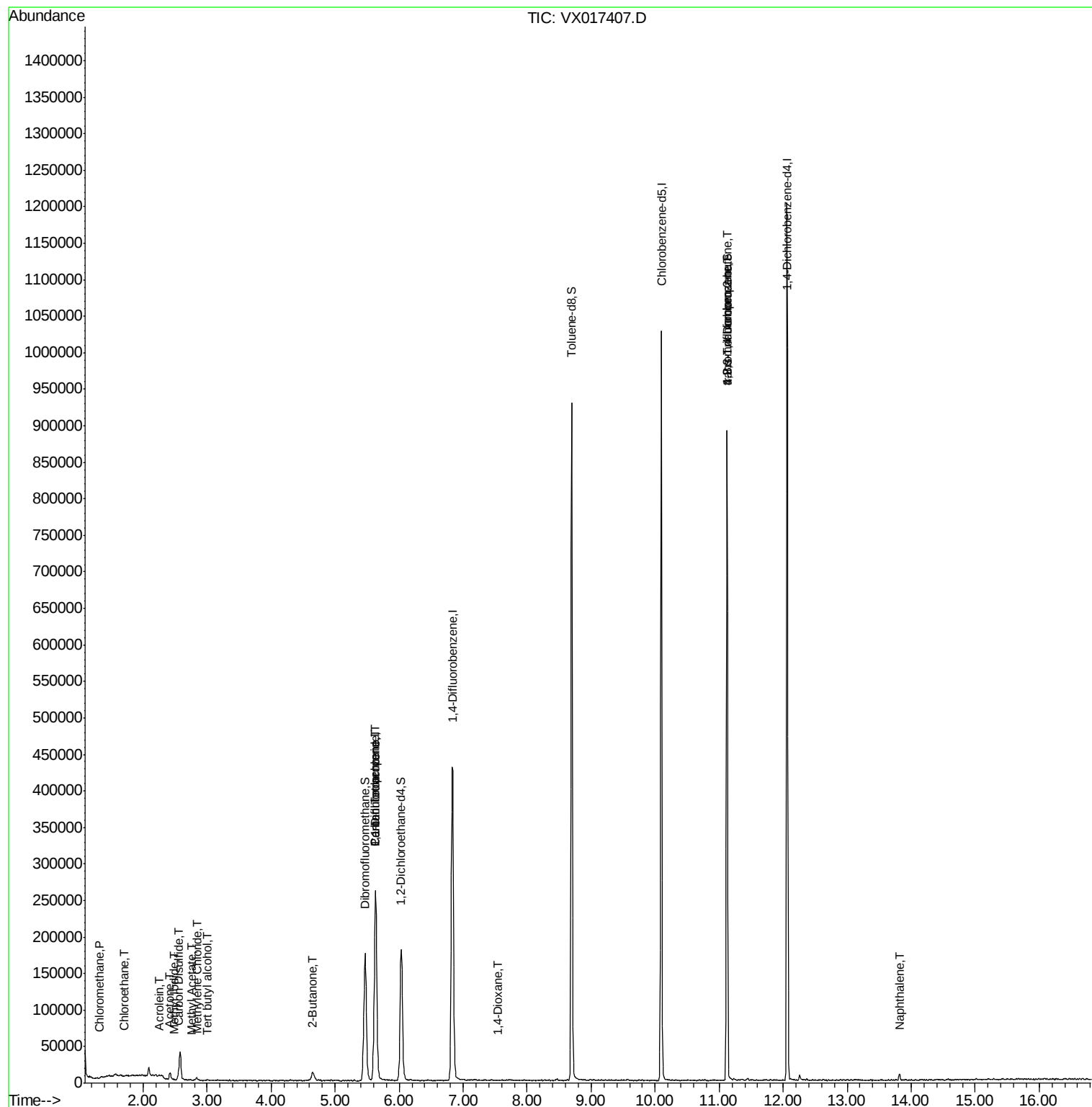
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	539	0.229	ug/l #	55
6) Chloroethane	1.71	64	334	0.227	ug/l #	43
10) Methyl Iodide	2.48	142	97	2.405	ug/l #	39
11) Tert butyl alcohol	3.01	59	551	1.056	ug/l #	92
13) Acrolein	2.25	56	343	1.199	ug/l #	75
16) Acetone	2.42	43	11410	10.323	ug/l	97
17) Carbon Disulfide	2.55	76	10667	1.628	ug/l #	93
18) Methyl Acetate	2.76	43	617	0.226	ug/l #	77
20) Methylene Chloride	2.84	84	1364	0.506	ug/l	95
25) 2-Butanone	4.65	43	1467	0.836	ug/l #	32
36) 1,1-Dichloropropene	5.62	75	19736	4.886	ug/l #	49
38) Carbon Tetrachloride	5.62	117	25465	5.384	ug/l #	19
49) 1,4-Dioxane	7.54	88	23	0.351	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	110004	24.108	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	110004	61.156	ug/l #	11
95) Naphthalene	13.81	128	5148	0.340	ug/l #	93

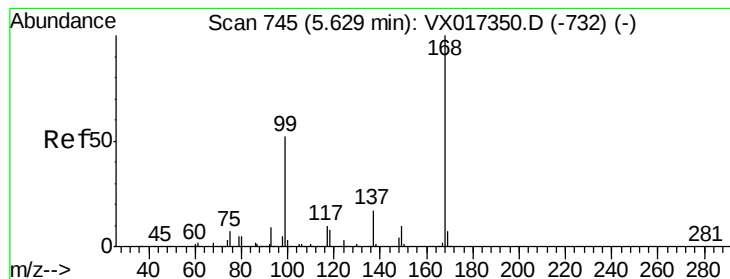
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jul 14 02:59:51 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: VX017407.D

Acq: 16 Jul 2020 21:24

Instrument :

MSVOA_X

ClientSampleId :

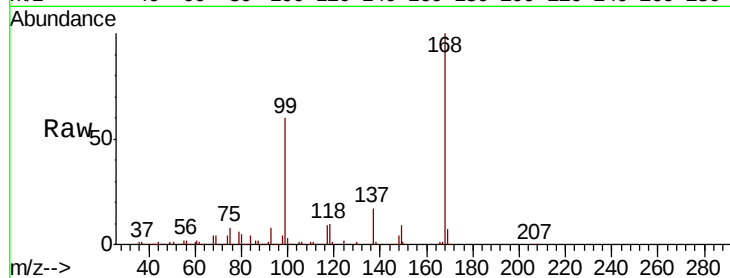
ERM-7

Tot Ion:168 Resp: 246862

Ion Ratio Lower Upper

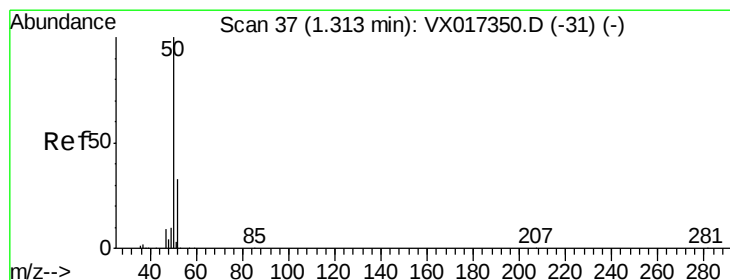
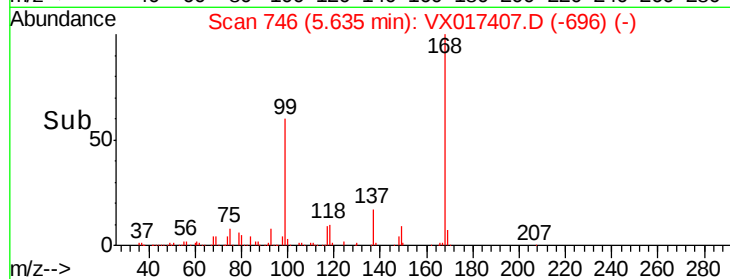
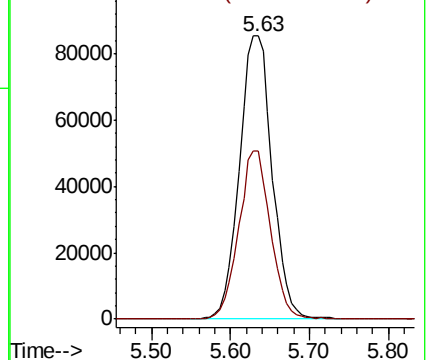
168 100

99 59.6 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.229 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX017407.D

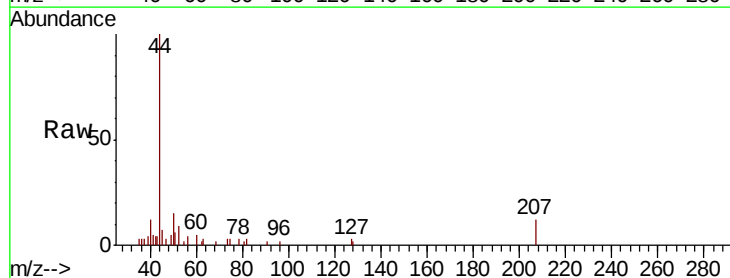
Acq: 16 Jul 2020 21:24

Tgt Ion: 50 Resp: 539

Ion Ratio Lower Upper

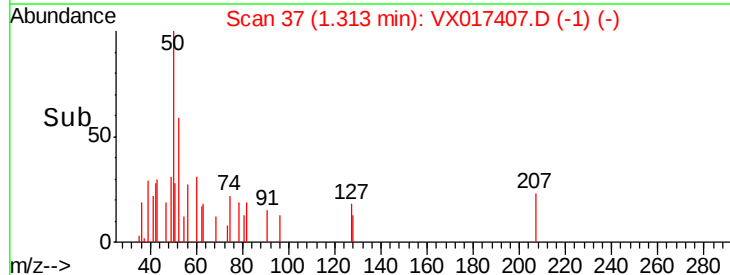
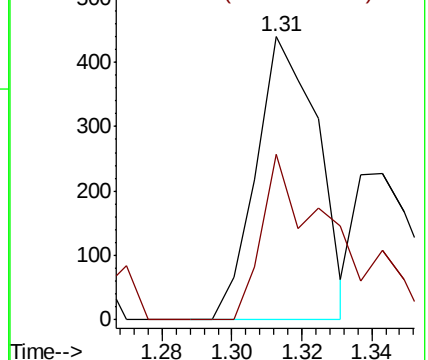
50 100

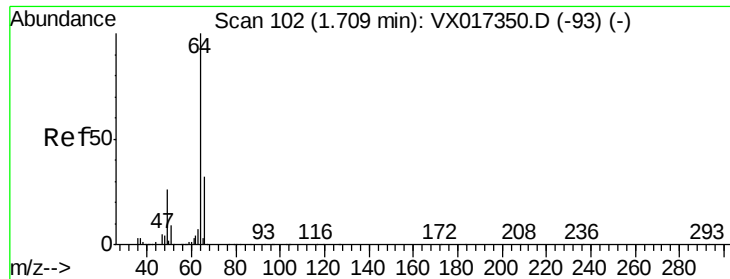
52 58.8 26.7 40.1#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#6

Chloroethane

Concen: 0.227 ug/l

RT: 1.71 min Scan# 102

Delta R.T. -0.00 min

Lab File: VX017407.D

Acq: 16 Jul 2020 21:24

Instrument :

MSVOA_X

ClientSampled :

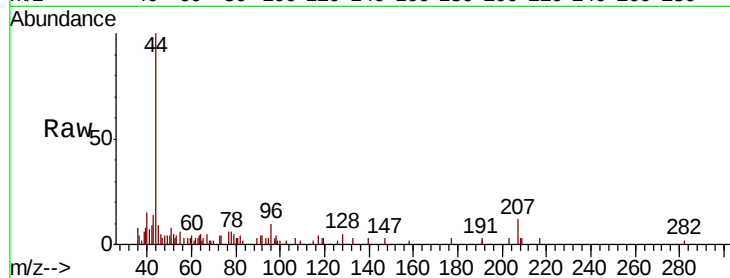
ERM-7

Tot Ion: 64 Resp: 334

Ion Ratio Lower Upper

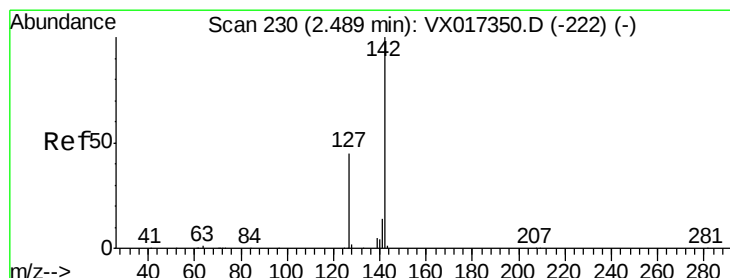
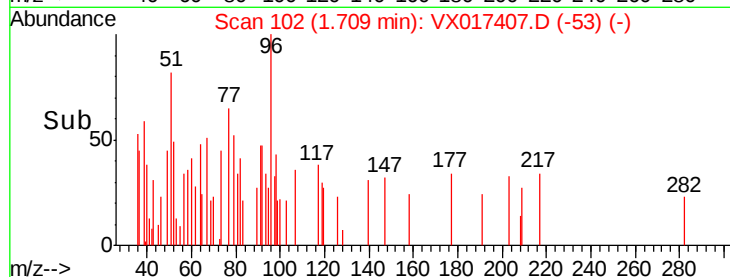
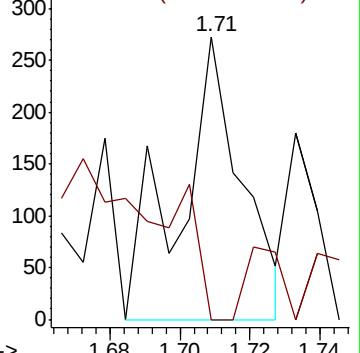
64 100

66 0.0 25.7 38.5#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 2.405 ug/l

RT: 2.48 min Scan# 229

Delta R.T. -0.01 min

Lab File: VX017407.D

Acq: 16 Jul 2020 21:24

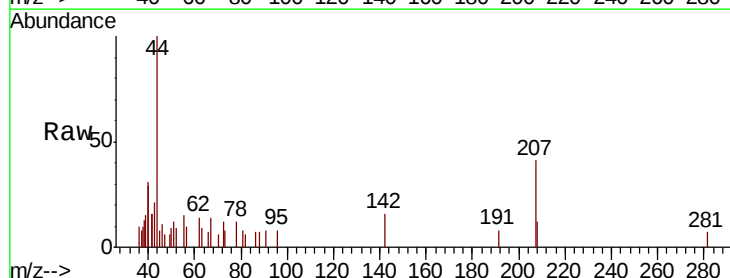
Tgt Ion: 142 Resp: 97

Ion Ratio Lower Upper

142 100

127 0.0 36.8 55.2#

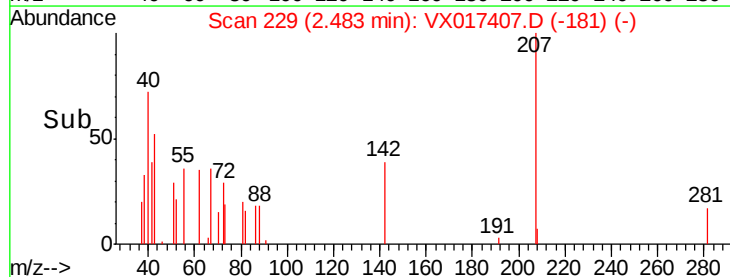
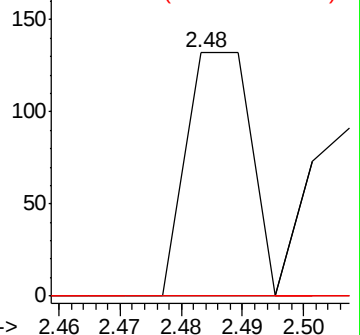
141 0.0 11.4 17.0#

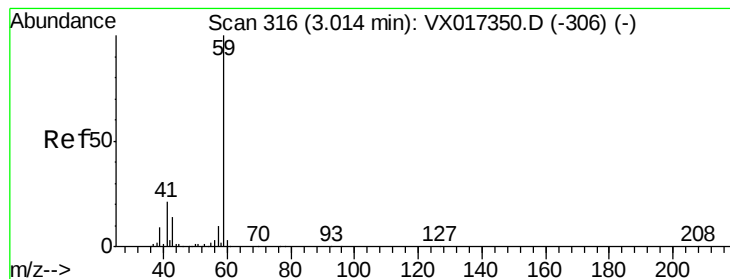


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



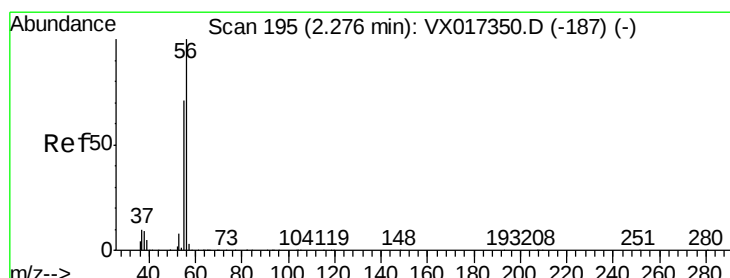
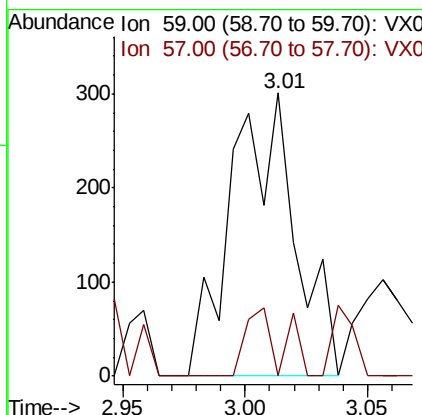
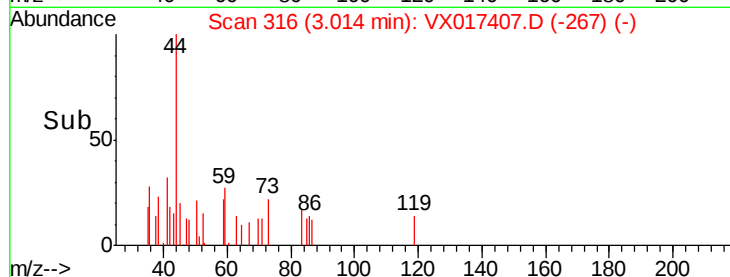
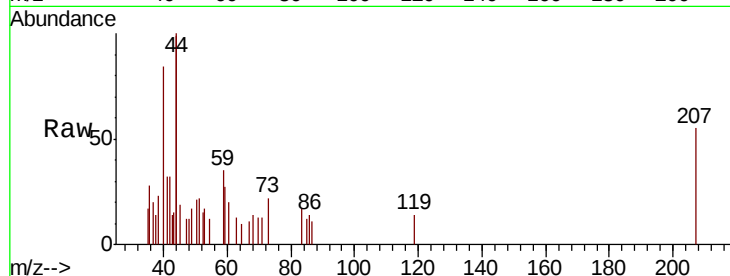


#11

Tert butyl alcohol
Concen: 1.056 ug/l
RT: 3.01 min Scan# 316
Delta R.T. -0.00 min
Lab File: VX017407.D
Acq: 16 Jul 2020 21:24

Instrument :
MSVOA_X
ClientSampleId :
ERM-7

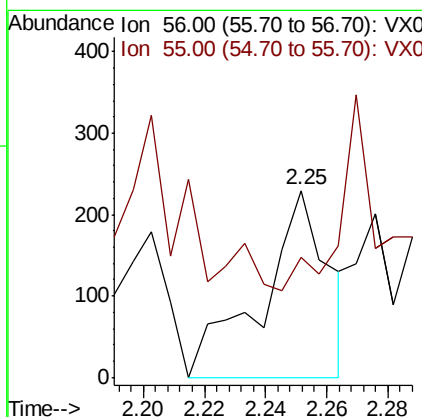
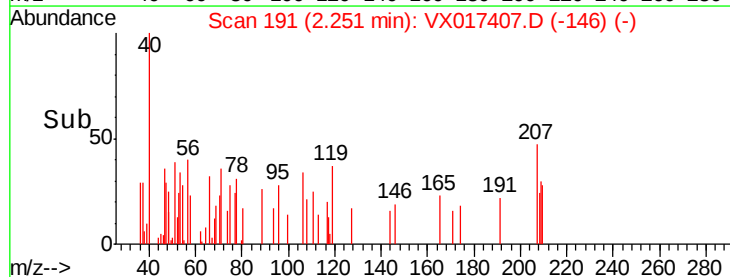
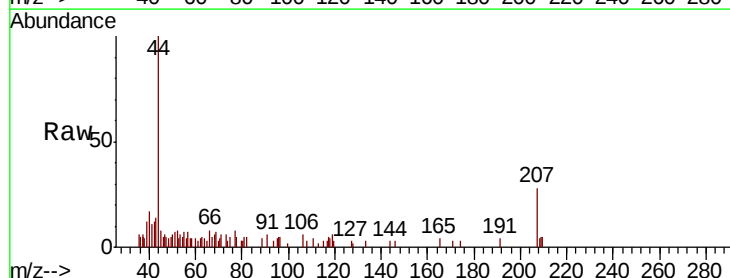
Tot Ion: 59 Resp: 551
Ion Ratio Lower Upper
59 100
57 13.2 8.3 12.5#

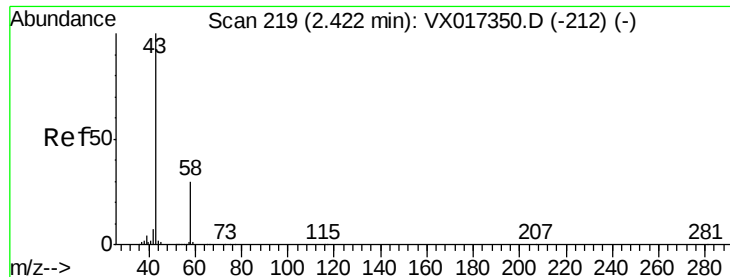


#13

Acrolein
Concen: 1.199 ug/l
RT: 2.25 min Scan# 191
Delta R.T. -0.02 min
Lab File: VX017407.D
Acq: 16 Jul 2020 21:24

Tgt Ion: 56 Resp: 343
Ion Ratio Lower Upper
56 100
55 51.0 57.1 85.7#





#16

Acetone

Concen: 10.323 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX017407.D

Acq: 16 Jul 2020 21:24

Instrument :

MSVOA_X

ClientSampled :

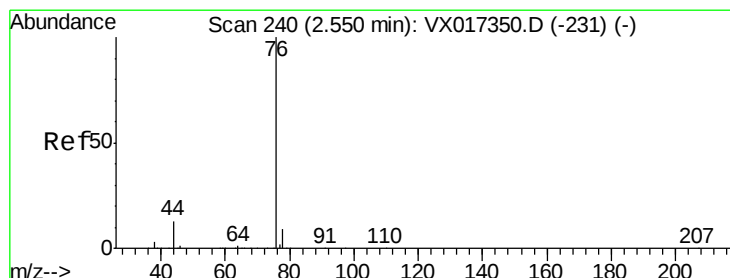
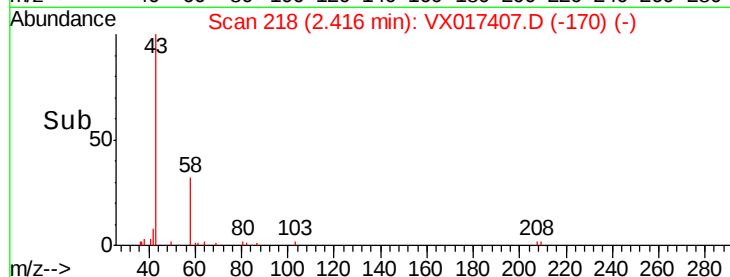
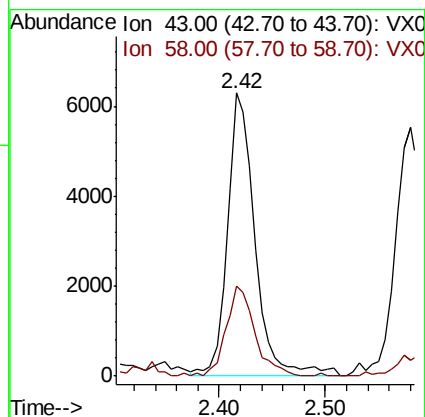
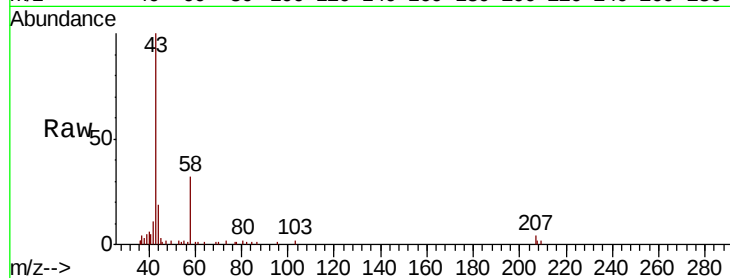
ERM-7

Tot Ion: 43 Resp: 11410

Ion Ratio Lower Upper

43 100

58 31.9 24.2 36.2



#17

Carbon Disulfide

Concen: 1.628 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX017407.D

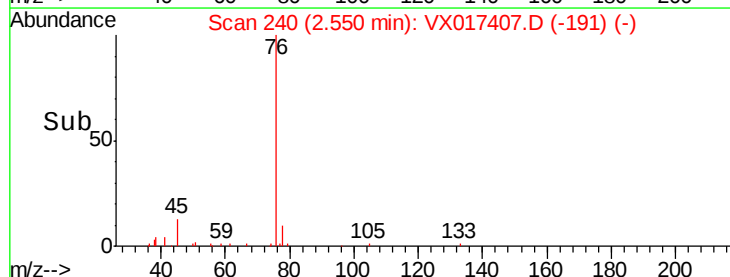
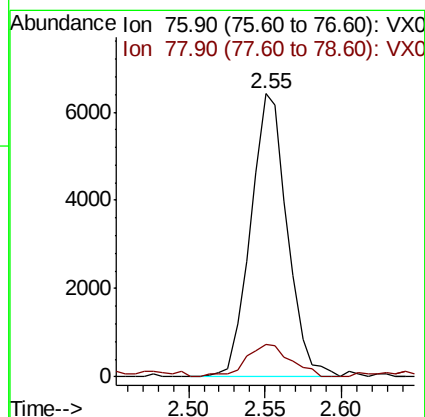
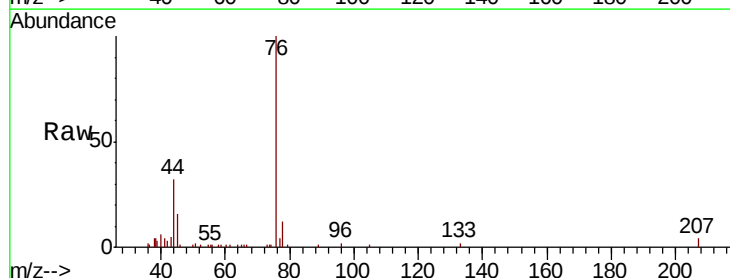
Acq: 16 Jul 2020 21:24

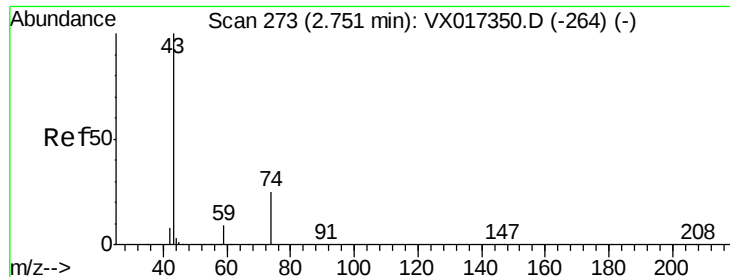
Tgt Ion: 76 Resp: 10667

Ion Ratio Lower Upper

76 100

78 11.6 7.3 10.9#

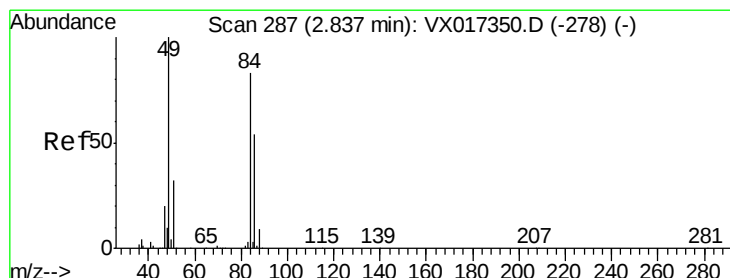
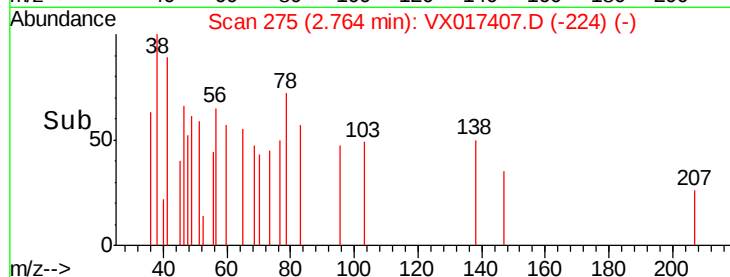
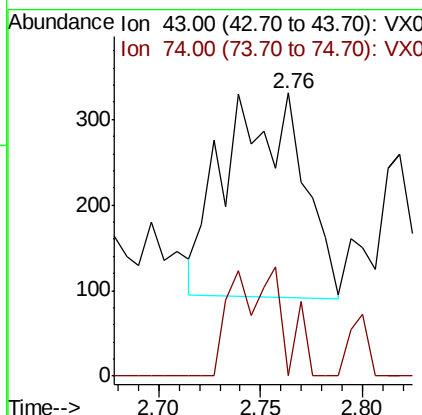
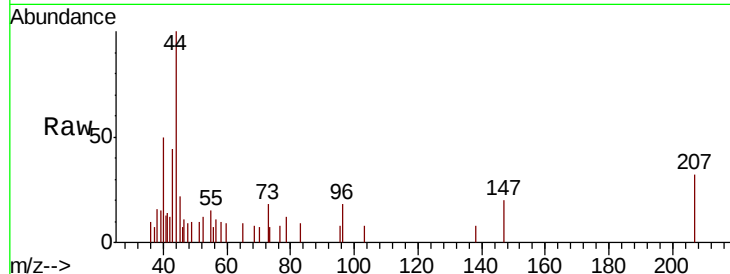




#18
Methyl Acetate
Concen: 0.226 ug/l
RT: 2.76 min Scan# 275
Delta R.T. 0.01 min
Lab File: VX017407.D
Acq: 16 Jul 2020 21:24

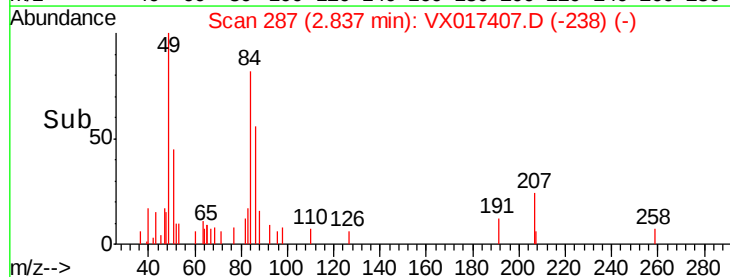
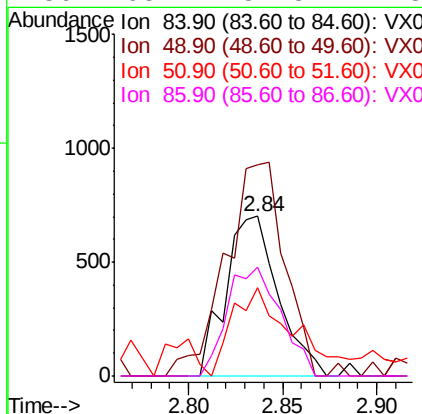
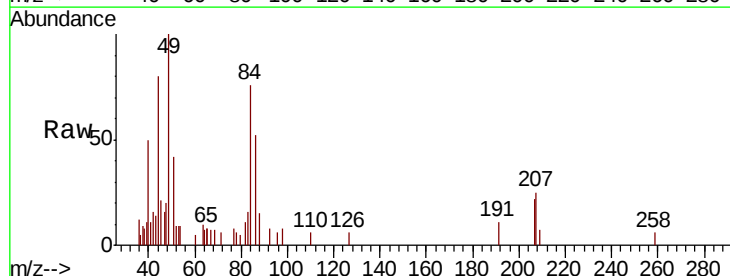
Instrument :
MSVOA_X
ClientSampled :
ERM-7

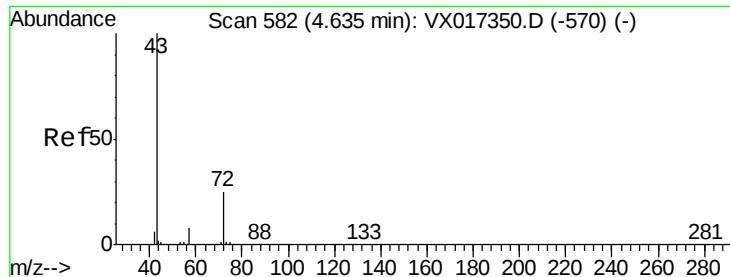
Tot Ion: 43 Resp: 617
Ion Ratio Lower Upper
43 100
74 35.7 19.4 29.2#



#20
Methylene Chloride
Concen: 0.506 ug/l
RT: 2.84 min Scan# 287
Delta R.T. -0.00 min
Lab File: VX017407.D
Acq: 16 Jul 2020 21:24

Tgt Ion: 84 Resp: 1364
Ion Ratio Lower Upper
84 100
49 124.5 95.8 143.8
51 43.4 31.0 46.4
86 68.1 51.8 77.8





#25

2-Butanone

Concen: 0.836 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX017407.D

Acq: 16 Jul 2020 21:24

Instrument :

MSVOA_X

ClientSampled :

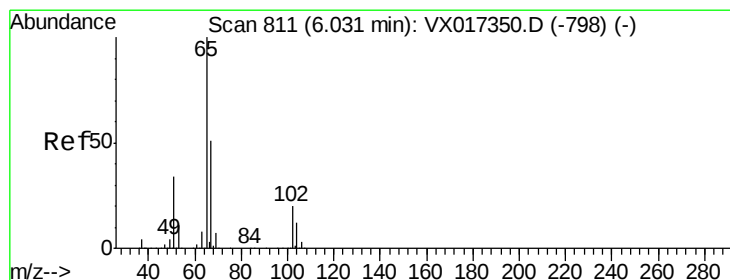
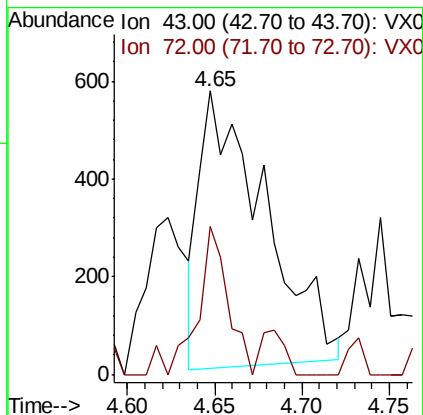
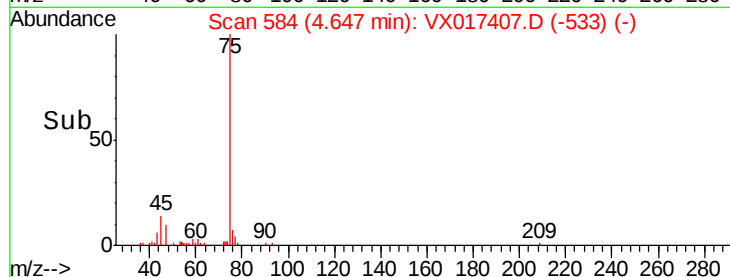
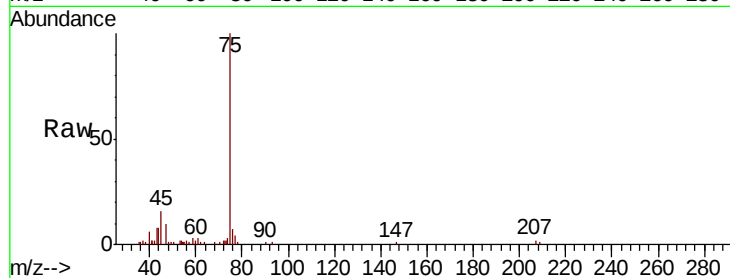
ERM-7

Tot Ion: 43 Resp: 1467

Ion Ratio Lower Upper

43 100

72 60.0 20.4 30.6#



#33

1,2-Dichloroethane-d4

Concen: 55.832 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX017407.D

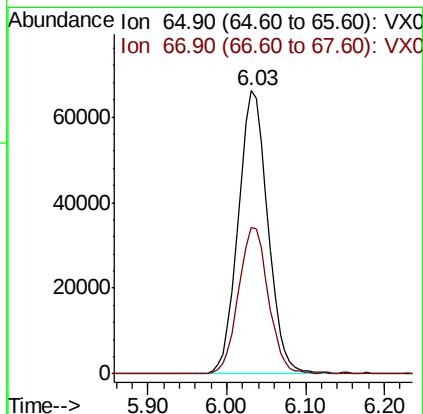
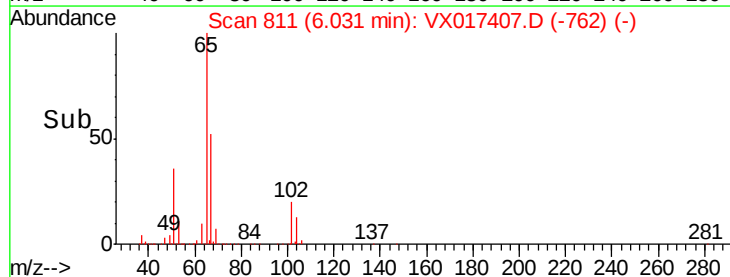
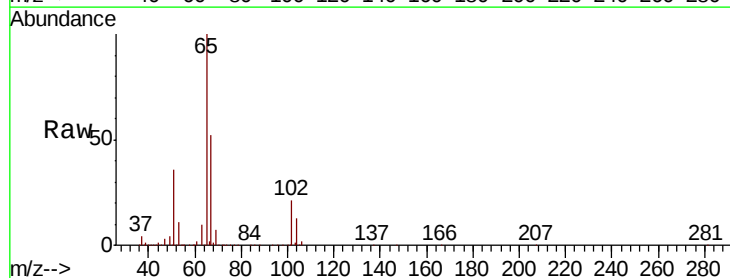
Acq: 16 Jul 2020 21:24

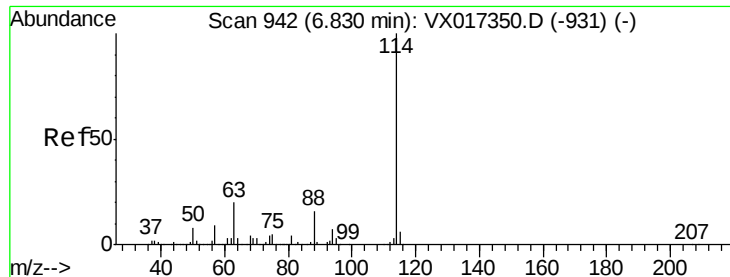
Tgt Ion: 65 Resp: 172987

Ion Ratio Lower Upper

65 100

67 52.2 0.0 101.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX017407.D

Acq: 16 Jul 2020 21:24

Instrument :

MSVOA_X

ClientSampleId :

ERM-7

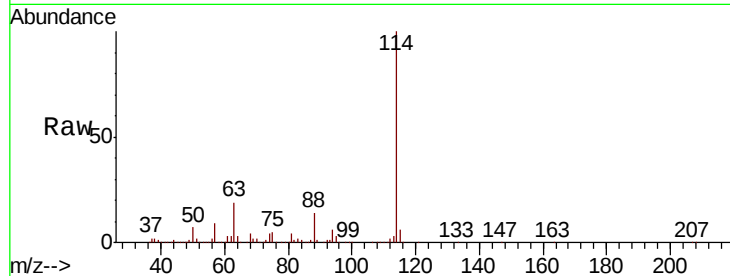
Tot Ion:114 Resp: 439177

Ion Ratio Lower Upper

114 100

63 18.7 0.0 40.0

88 14.4 0.0 32.8



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

250000

200000

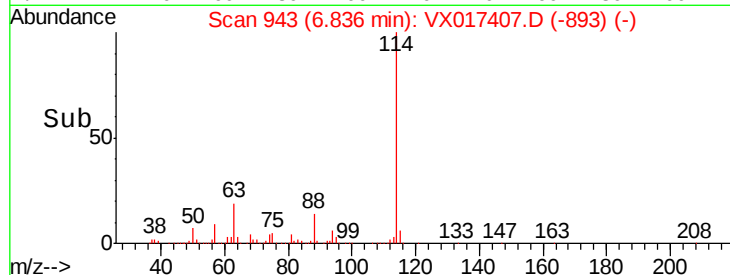
150000

100000

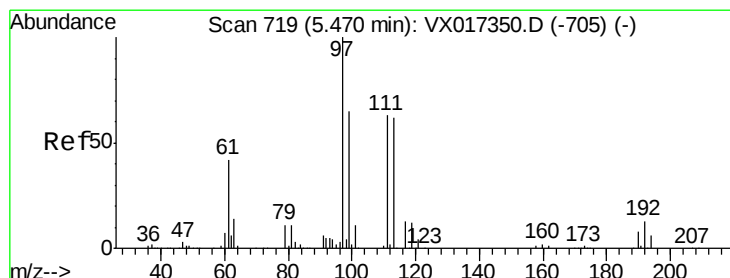
50000

0

6.70 6.80 6.90 7.00



Time-->



#35

Dibromofluoromethane

Concen: 50.740 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX017407.D

Acq: 16 Jul 2020 21:24

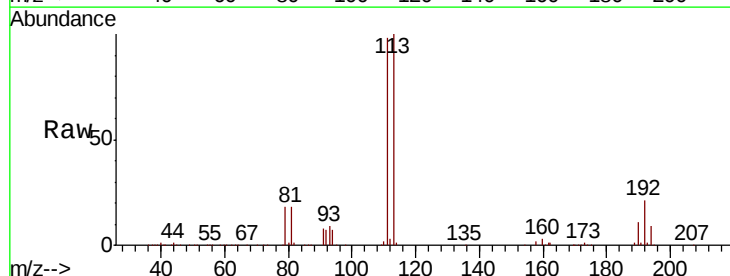
Tgt Ion:113 Resp: 150107

Ion Ratio Lower Upper

113 100

111 102.2 82.4 123.6

192 20.7 17.2 25.8



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

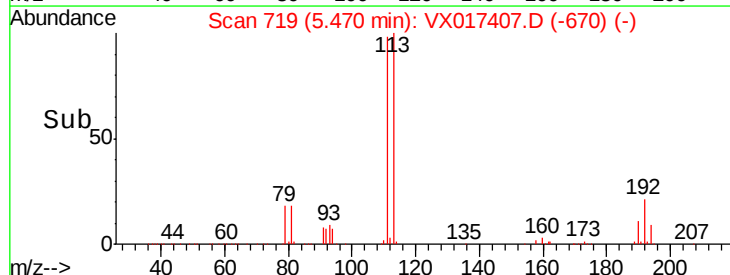
60000

40000

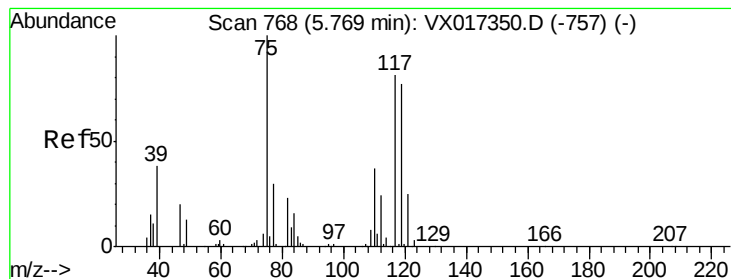
20000

0

5.30 5.40 5.50 5.60



Time-->



#36

1,1-Dichloropropene

Concen: 4.886 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.15 min

Lab File: VX017407.D

Acq: 16 Jul 2020 21:24

Instrument :

MSVOA_X

ClientSampleId :

ERM-7

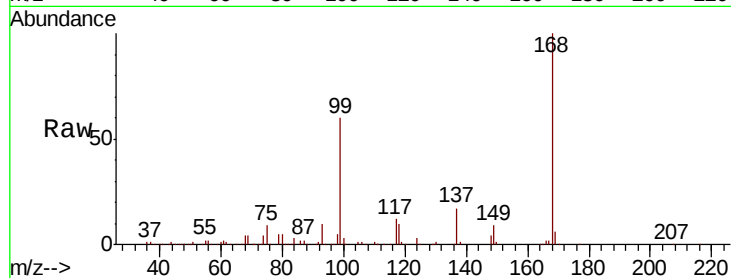
Tot Ion: 75 Resp: 19736

Ion Ratio Lower Upper

75 100

110 9.0 18.6 55.8#

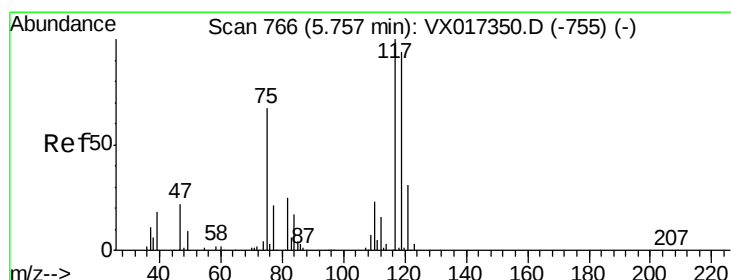
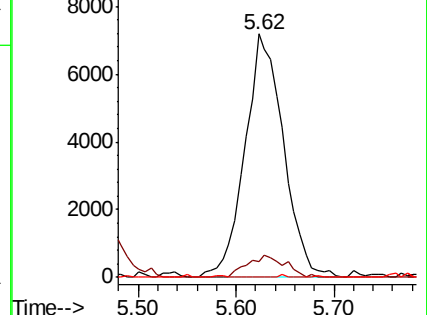
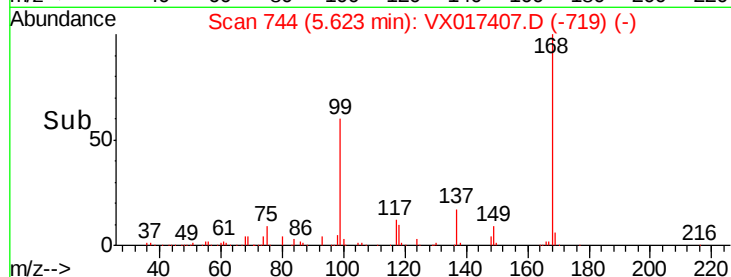
77 0.0 24.9 37.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 5.384 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.13 min

Lab File: VX017407.D

Acq: 16 Jul 2020 21:24

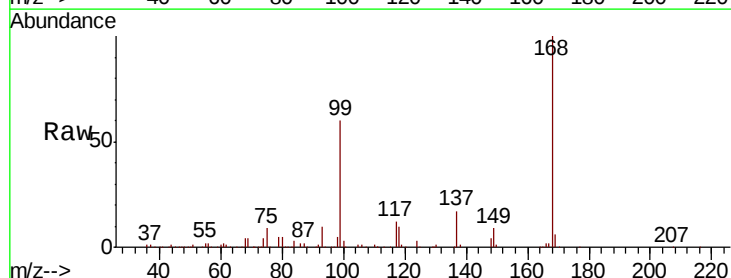
Tgt Ion:117 Resp: 25465

Ion Ratio Lower Upper

117 100

119 7.2 74.7 112.1#

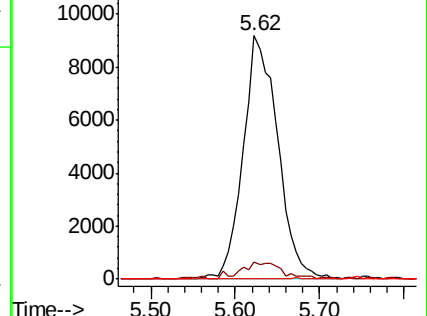
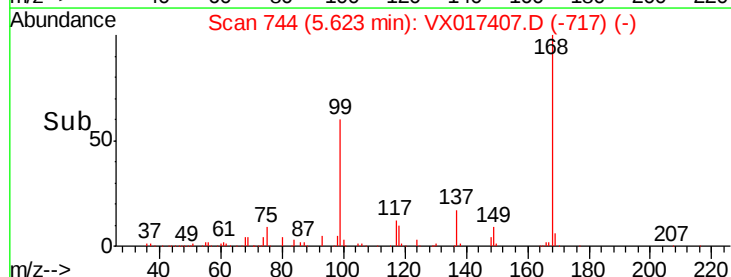
121 0.0 24.5 36.7#

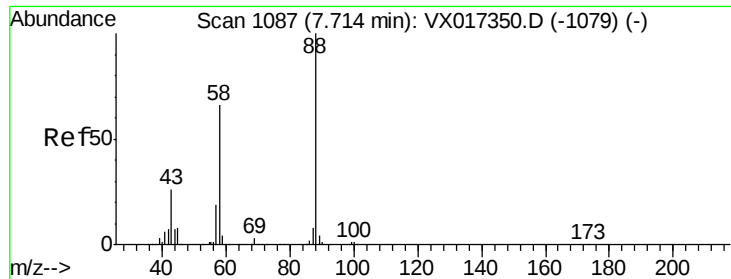


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

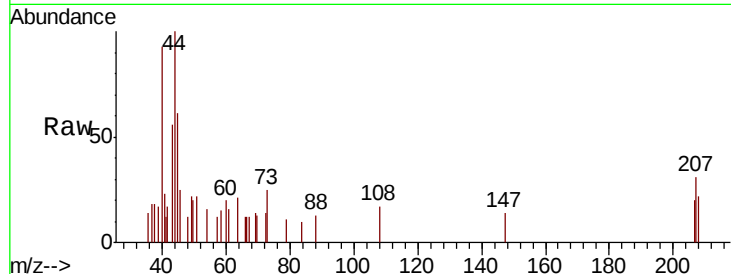




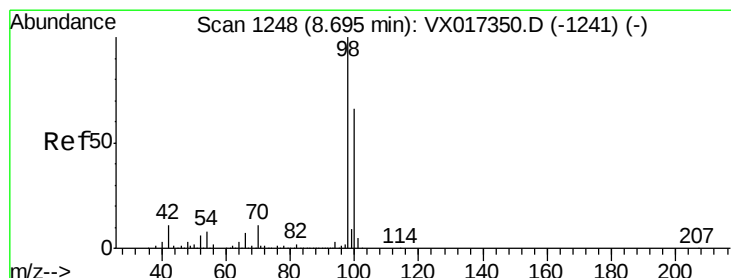
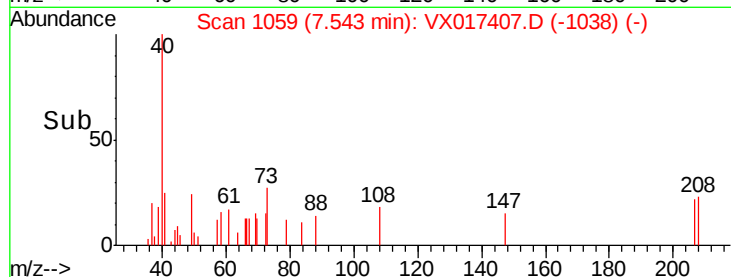
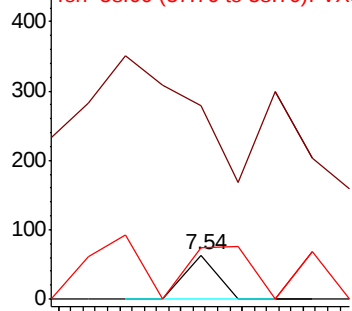
#49
1,4-Dioxane
Concen: 0.351 ug/l
RT: 7.54 min Scan# 1059
Delta R.T. -0.17 min
Lab File: VX017407.D
Acq: 16 Jul 2020 21:24

Instrument :
MSVOA_X
ClientSampleId :
ERM-7

Tot Ion	88	Resp	23
Ion Ratio	Lower	Upper	
88	100		
43	0.0	25.6	38.4#
58	343.5	53.9	80.9#

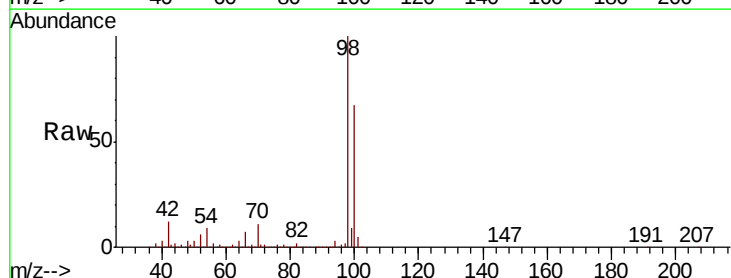


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

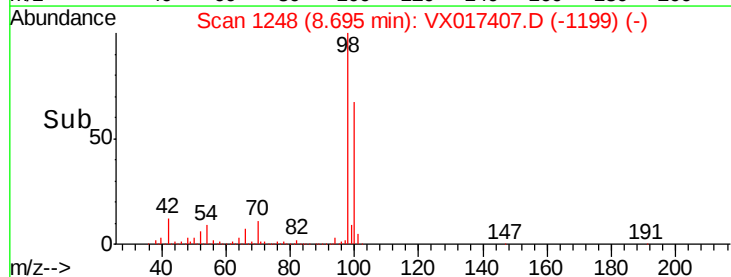
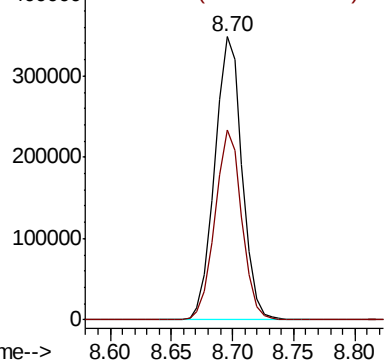


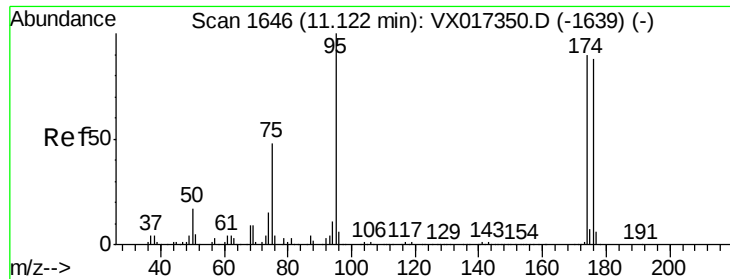
#50
Toluene-d8
Concen: 50.552 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX017407.D
Acq: 16 Jul 2020 21:24

Tgt Ion	98	Resp	539450
Ion Ratio	Lower	Upper	
98	100		
100	66.0	53.4	80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 51.369 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017407.D

Acq: 16 Jul 2020 21:24

Instrument :

MSVOA_X

ClientSampleId :

ERM-7

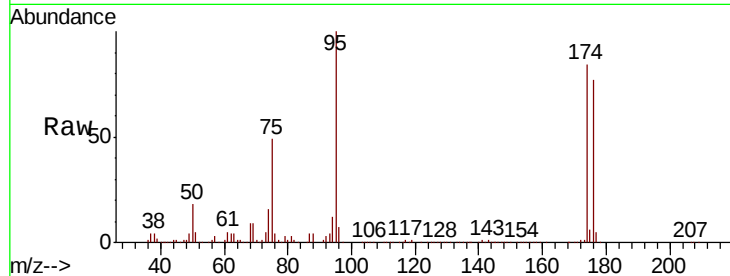
Tot Ion: 95 Resp: 217743

Ion Ratio Lower Upper

95 100

174 85.3 0.0 175.8

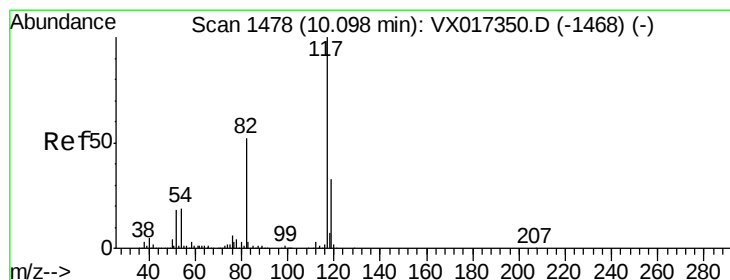
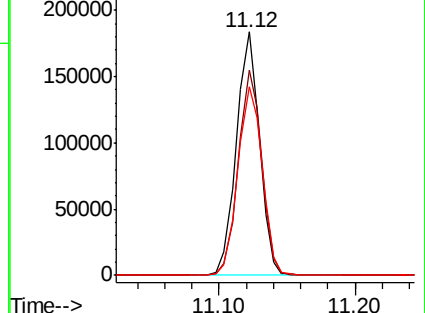
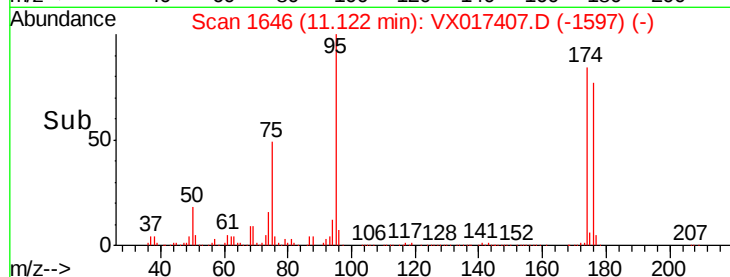
176 81.6 0.0 164.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): VX0

Ion 175.80 (175.50 to 176.50): VX0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX017407.D

Acq: 16 Jul 2020 21:24

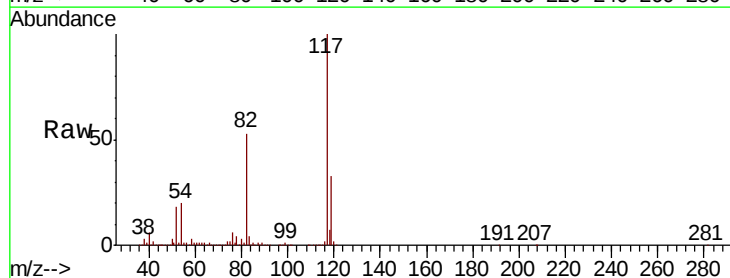
Tgt Ion: 117 Resp: 460579

Ion Ratio Lower Upper

117 100

82 53.2 42.0 63.0

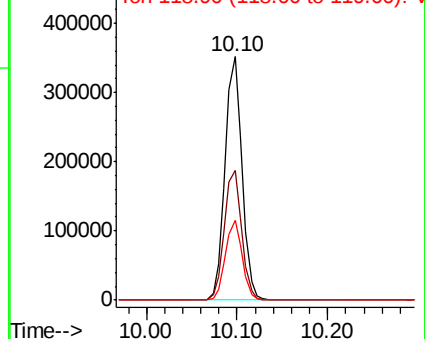
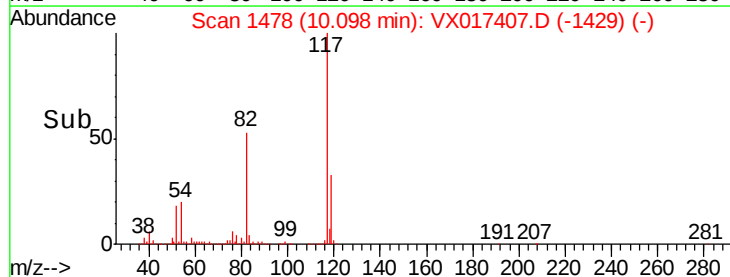
119 32.6 26.3 39.5

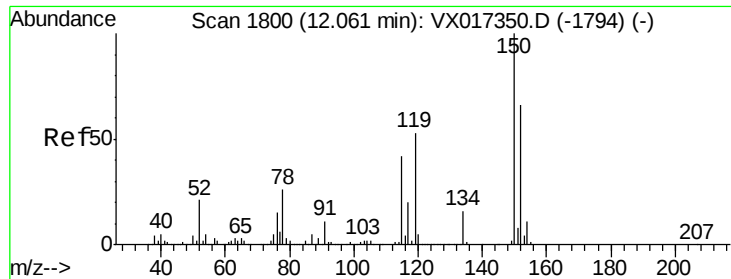


Abundance Ion 116.90 (116.60 to 117.60): VX0

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX017407.D

Acq: 16 Jul 2020 21:24

Instrument :

MSVOA_X

ClientSampleId :

ERM-7

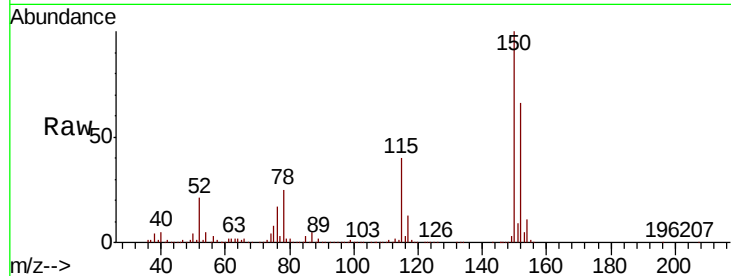
Tot Ion:152 Resp: 246940

Ion Ratio Lower Upper

152 100

115 58.0 39.9 119.7

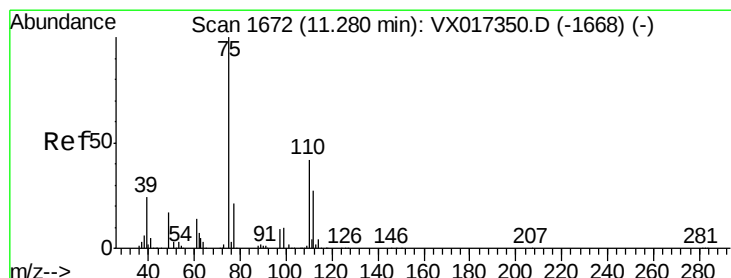
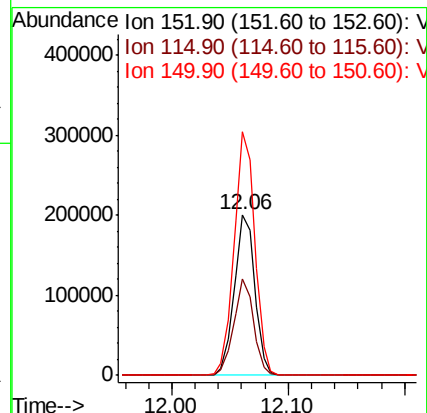
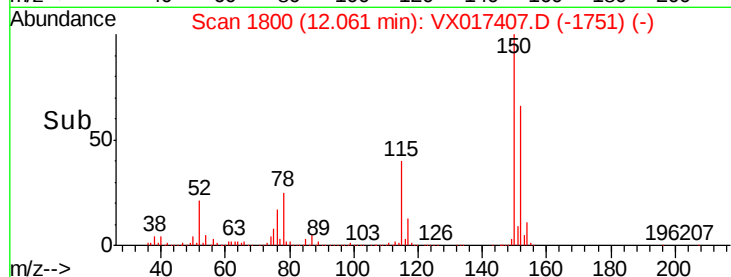
150 152.7 0.0 343.4



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: 24.108 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017407.D

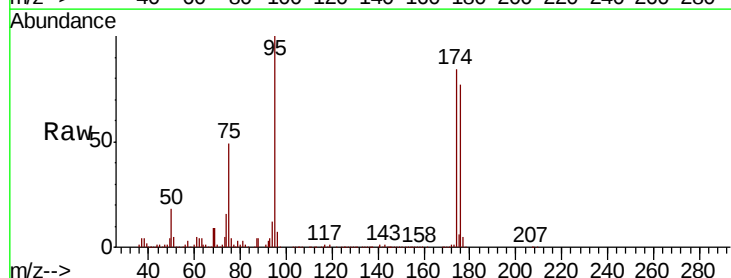
Acq: 16 Jul 2020 21:24

Tgt Ion: 75 Resp: 110004

Ion Ratio Lower Upper

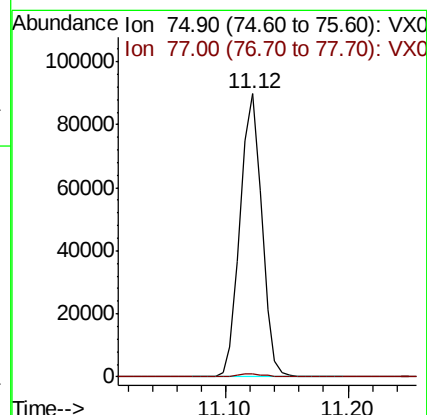
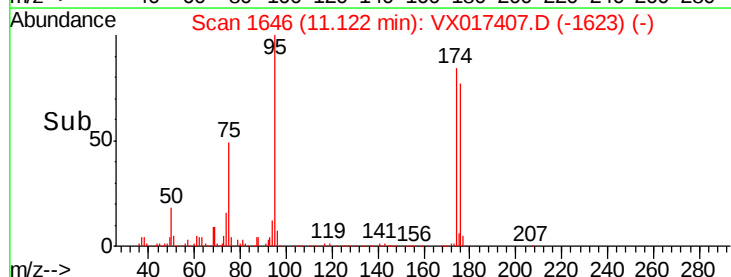
75 100

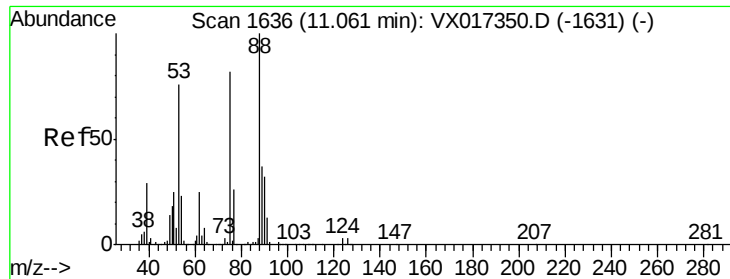
77 1.5 20.3 60.9#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

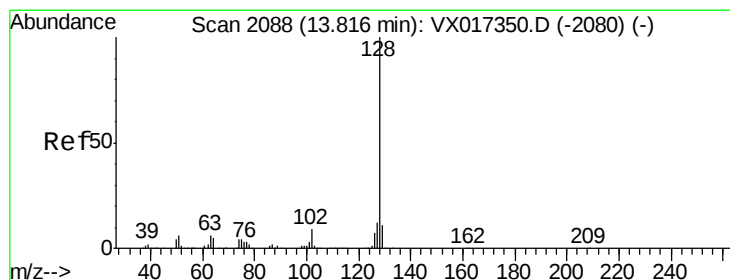
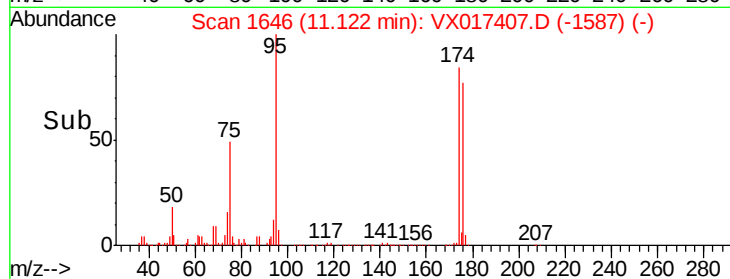
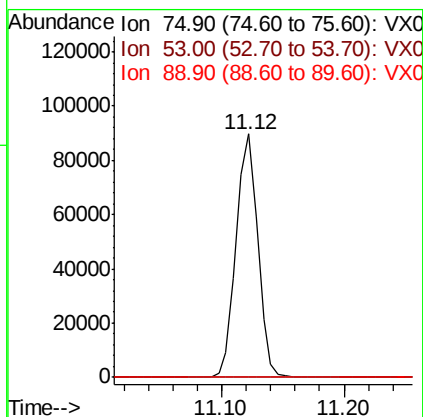
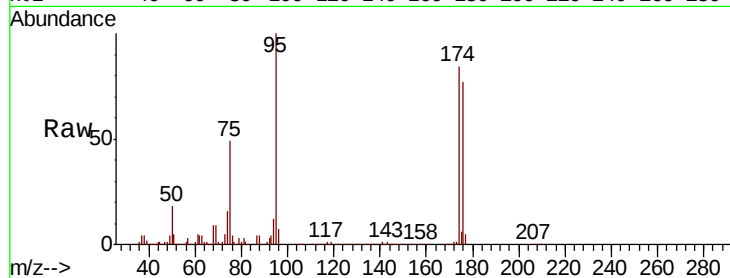




#81
trans-1,4-Dichloro-2-butene
Concen: 61.156 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.06 min
Lab File: VX017407.D
Acq: 16 Jul 2020 21:24

Instrument :
MSVOA_X
ClientSampleId :
ERM-7

Tot Ion: 75 Resp: 110004
Ion Ratio Lower Upper
75 100
53 0.4 76.5 114.7#
89 0.0 38.1 57.1#



#95
Naphthalene
Concen: 0.340 ug/l
RT: 13.81 min Scan# 2087
Delta R.T. -0.01 min
Lab File: VX017407.D
Acq: 16 Jul 2020 21:24

Tgt Ion: 128 Resp: 5148
Ion Ratio Lower Upper
128 100
127 15.3 10.2 15.4
129 14.0 8.9 13.3#

