

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX042420\
 Data File : VX015948.D
 Acq On : 24 Apr 2020 22:00
 Operator : JC/SP
 Sample : L2415-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY037MW144-200423

Quant Time: Apr 25 06:55:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042420W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 24 13:17:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	134290	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	257575	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	249700	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	121074	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	98237	51.81	ug/l	0.00
Spiked Amount			Recovery	=	103.62%	
35) Dibromofluoromethane	5.47	113	75276	53.59	ug/l	0.00
Spiked Amount			Recovery	=	107.18%	
50) Toluene-d8	8.70	98	317724	53.42	ug/l	0.00
Spiked Amount			Recovery	=	106.84%	
62) 4-Bromofluorobenzene	11.12	95	133713	55.43	ug/l	0.00
Spiked Amount			Recovery	=	110.86%	

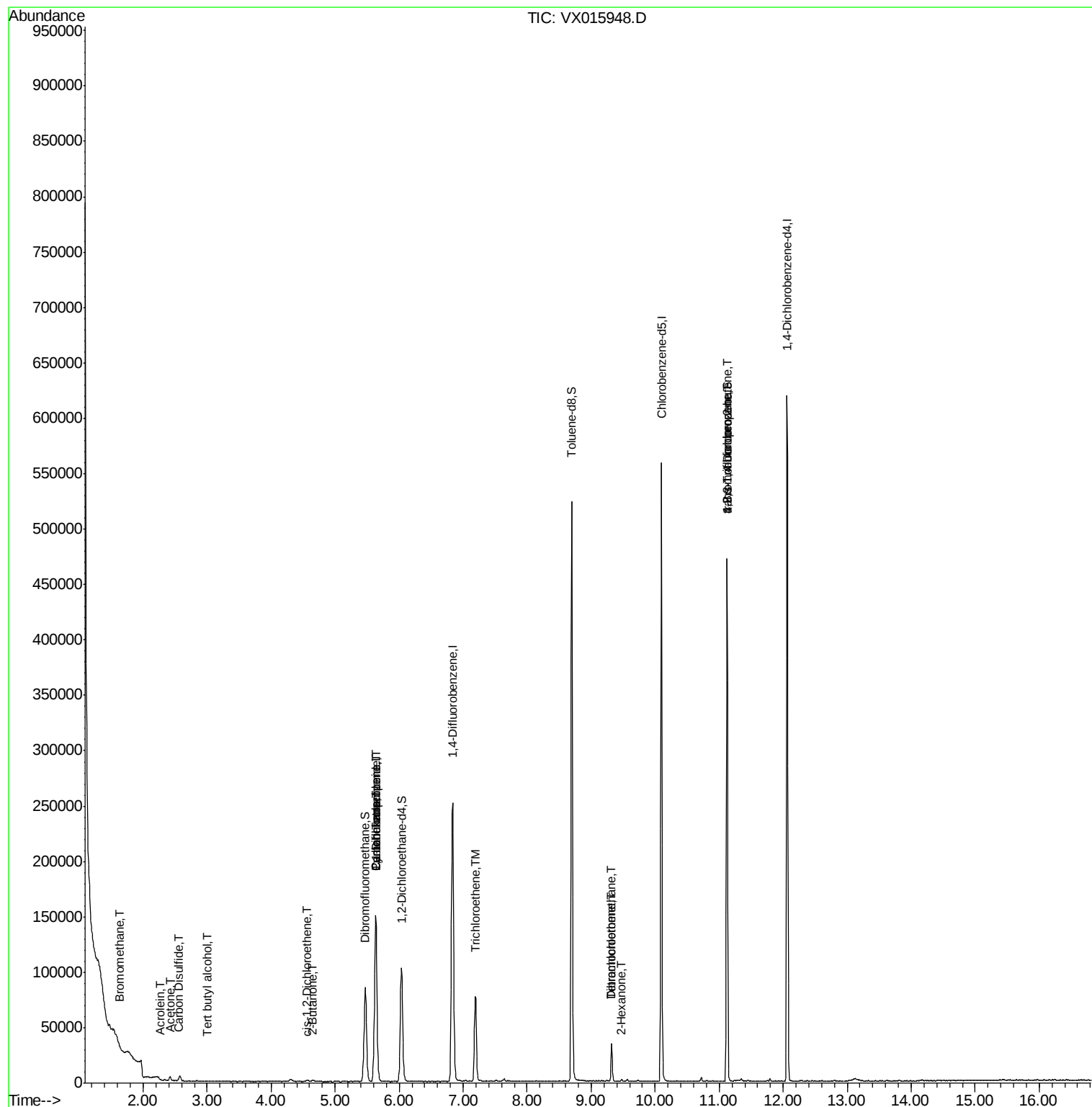
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	213	0.303	ug/l #	11
11) Tert butyl alcohol	3.01	59	177	0.434	ug/l #	72
13) Acrolein	2.28	56	102	0.403	ug/l #	15
16) Acetone	2.42	43	3779	5.313	ug/l	98
17) Carbon Disulfide	2.56	76	2214	0.230	ug/l #	85
25) 2-Butanone	4.65	43	2784	2.404	ug/l	94
27) cis-1,2-Dichloroethene	4.56	96	1292	0.670	ug/l	56
31) Cyclohexane	5.64	56	3216	1.131	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	11732	4.773	ug/l #	50
38) Carbon Tetrachloride	5.64	117	14458	6.436	ug/l #	16
44) Trichloroethene	7.20	130	29130	13.154	ug/l	99
59) 2-Hexanone	9.48	43	1219	0.676	ug/l	90
60) Dibromochloromethane	9.32	129	6310	3.486	ug/l #	11
64) Tetrachloroethene	9.32	164	6060	2.439	ug/l	94
76) 1,2,3-Trichloropropane	11.12	75	66441	25.583	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.12	75	66441	57.627	ug/l #	14

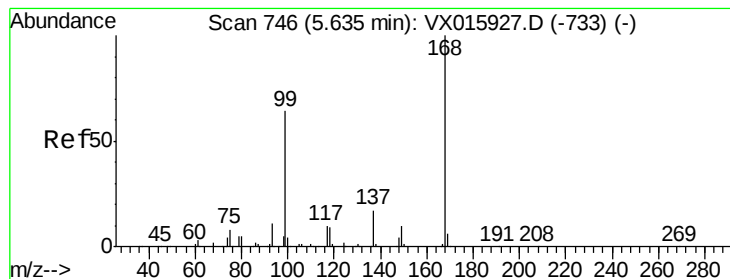
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.00 min

Lab File: VX015948.D

Acq: 24 Apr 2020 22:00

Instrument :

MSVOA_X

ClientSampleId :

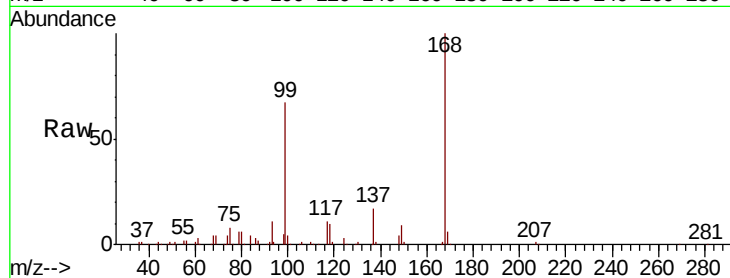
KY037MW144-200423

Tot Ion:168 Resp: 134290

Ion Ratio Lower Upper

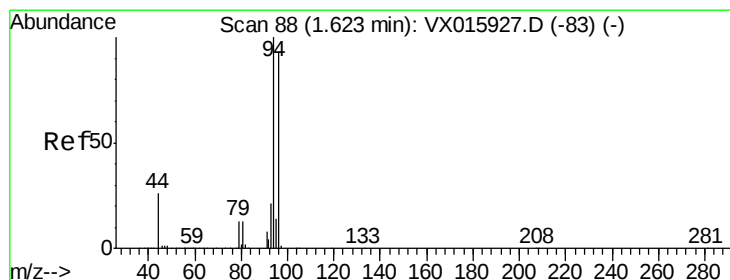
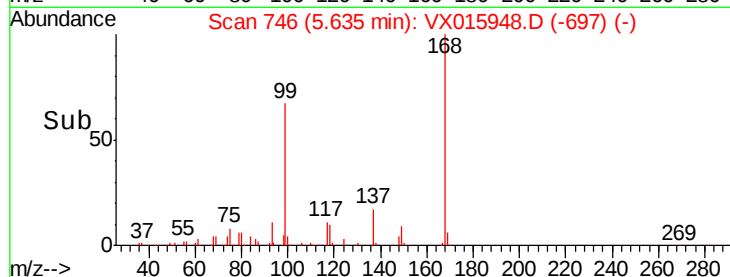
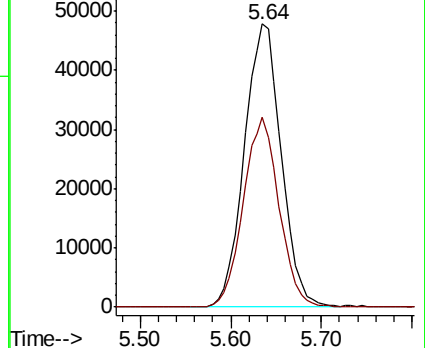
168 100

99 67.0 51.2 76.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.303 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX015948.D

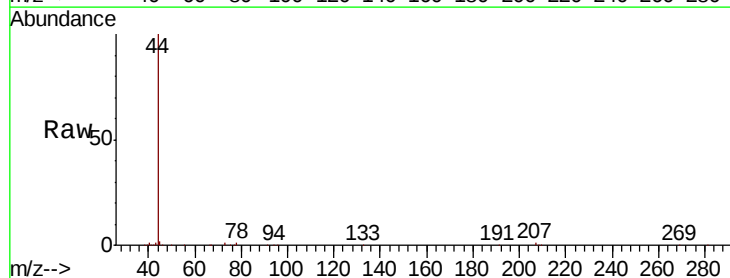
Acq: 24 Apr 2020 22:00

Tgt Ion: 94 Resp: 213

Ion Ratio Lower Upper

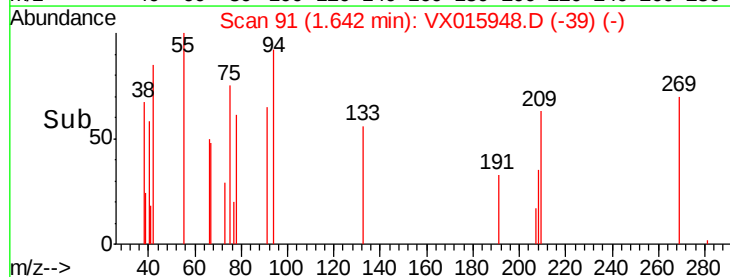
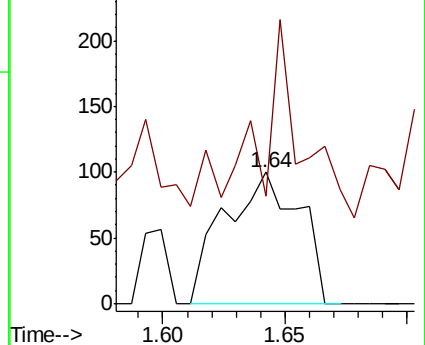
94 100

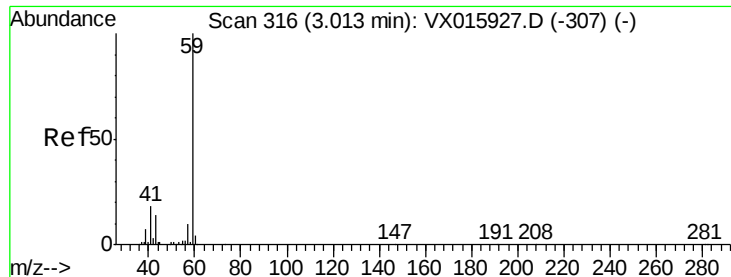
96 8.0 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



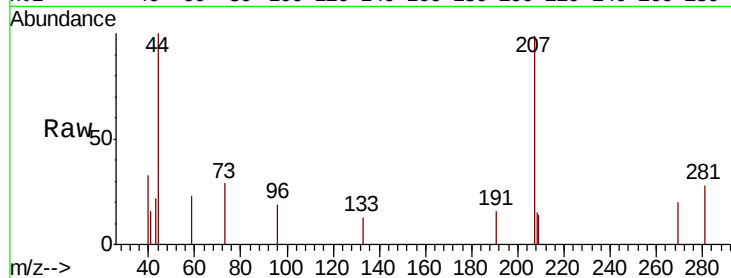


#11

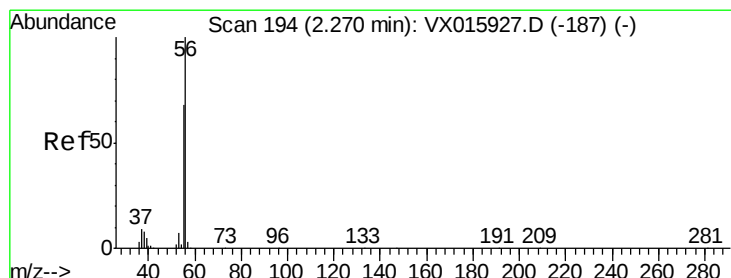
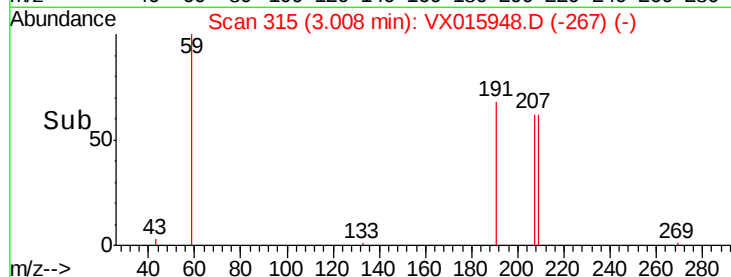
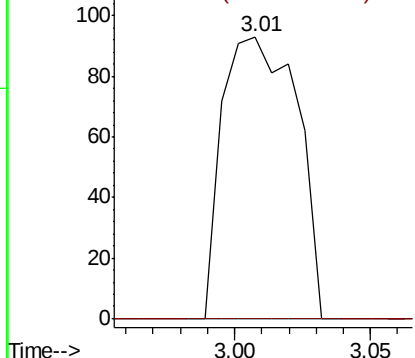
Tert butvl alcohol
Concen: 0.434 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX015948.D
Acq: 24 Apr 2020 22:00

Instrument :
MSVOA_X
ClientSampleId :
KY037MW144-200423

Tot Ion: 59 Resp: 177
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#



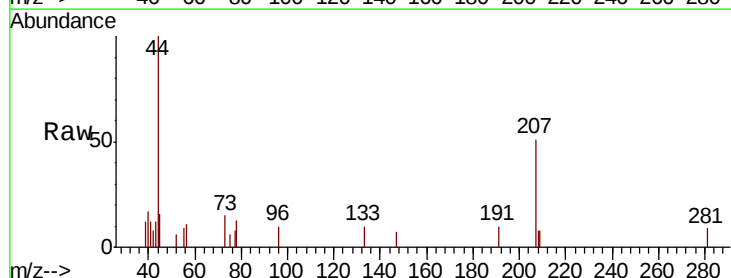
Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0



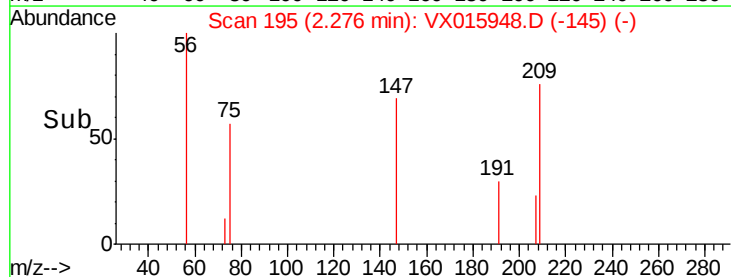
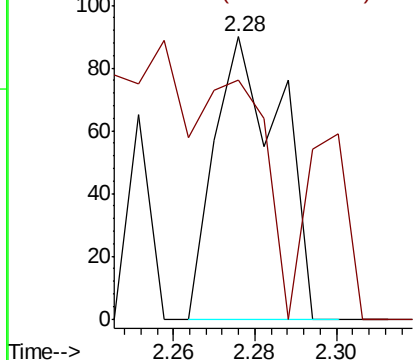
#13

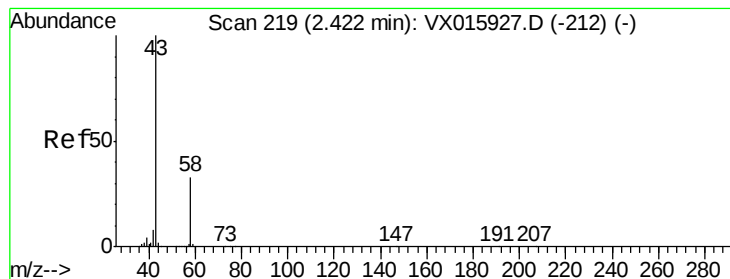
Acrolein
Concen: 0.403 ug/l
RT: 2.28 min Scan# 195
Delta R.T. 0.01 min
Lab File: VX015948.D
Acq: 24 Apr 2020 22:00

Tgt Ion: 56 Resp: 102
Ion Ratio Lower Upper
56 100
55 0.0 56.0 84.0#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 5.313 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.00 min

Lab File: VX015948.D

Acq: 24 Apr 2020 22:00

Instrument :

MSVOA_X

ClientSampleId :

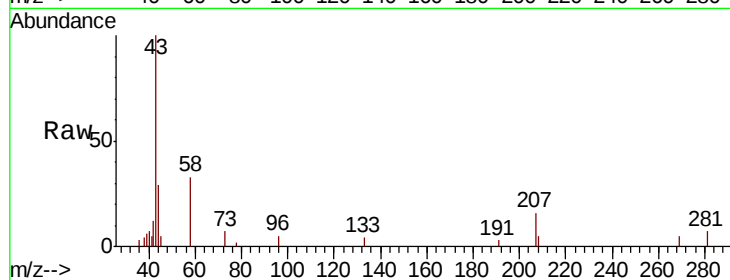
KY037MW144-200423

Tot Ion: 43 Resp: 3779

Ion Ratio Lower Upper

43 100

58 34.1 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2500

2000

1500

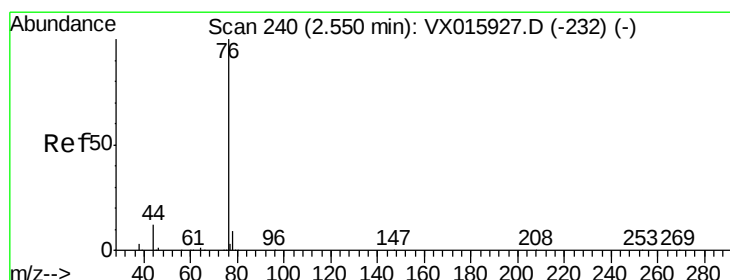
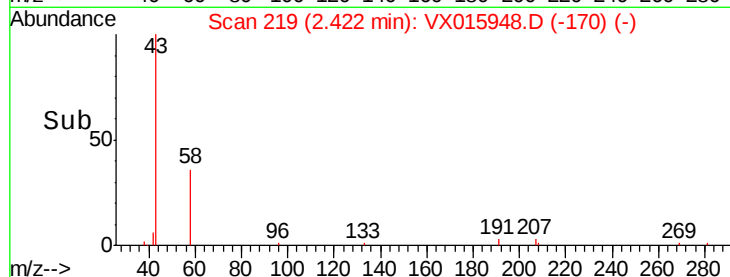
1000

500

0

2.35 2.40 2.45 2.50

Time-->



#17

Carbon Disulfide

Concen: 0.230 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX015948.D

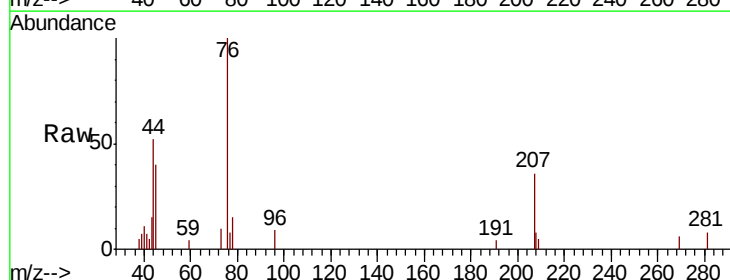
Acq: 24 Apr 2020 22:00

Tgt Ion: 76 Resp: 2214

Ion Ratio Lower Upper

76 100

78 14.8 7.4 11.2#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

1500

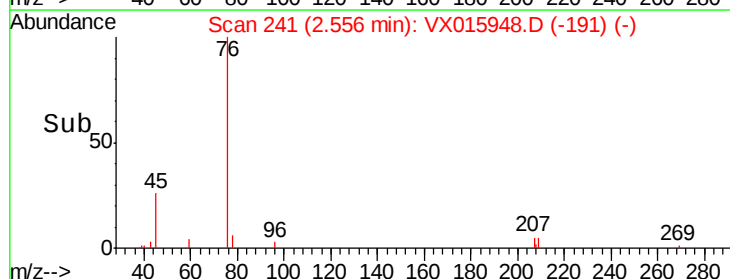
1000

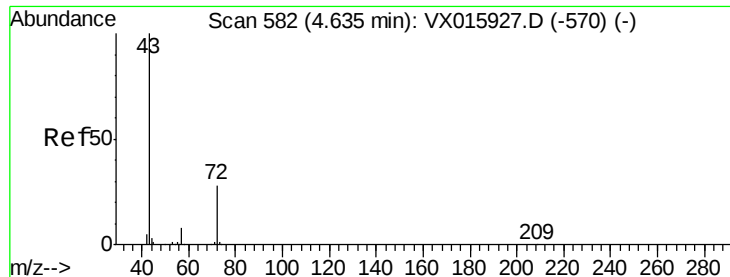
500

0

2.50 2.55 2.60

Time-->





#25

2-Butanone

Concen: 2.404 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX015948.D

Acq: 24 Apr 2020 22:00

Instrument :

MSVOA_X

ClientSampleId :

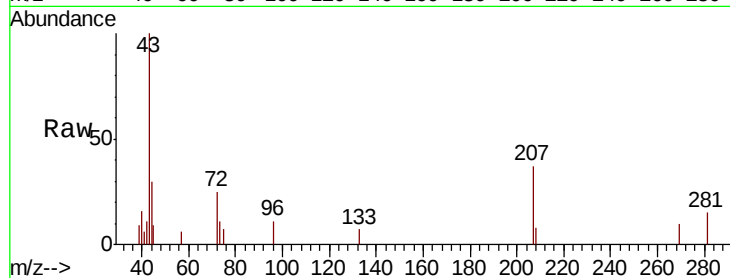
KY037MW144-200423

Tot Ion: 43 Resp: 2784

Ion Ratio Lower Upper

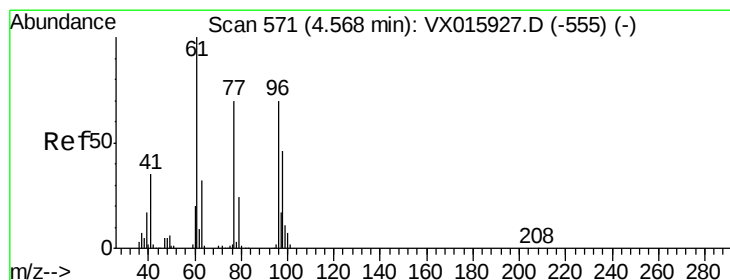
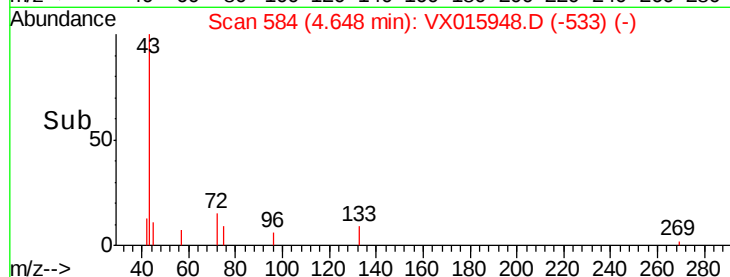
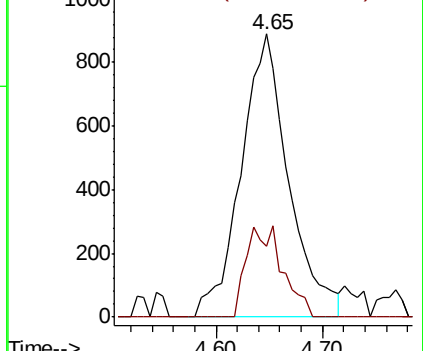
43 100

72 25.0 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#27

cis-1,2-Dichloroethene

Concen: 0.670 ug/l

RT: 4.56 min Scan# 569

Delta R.T. -0.01 min

Lab File: VX015948.D

Acq: 24 Apr 2020 22:00

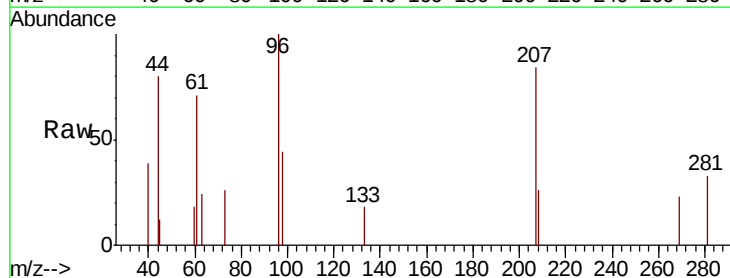
Tgt Ion: 96 Resp: 1292

Ion Ratio Lower Upper

96 100

61 83.6 0.0 293.4

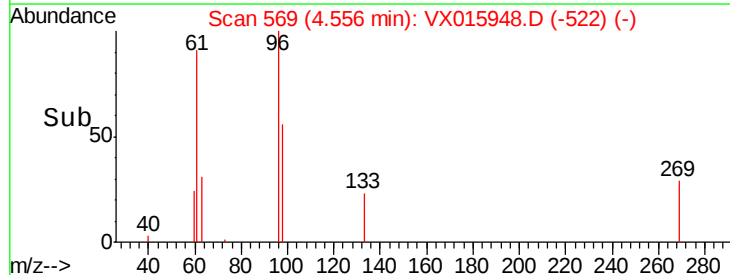
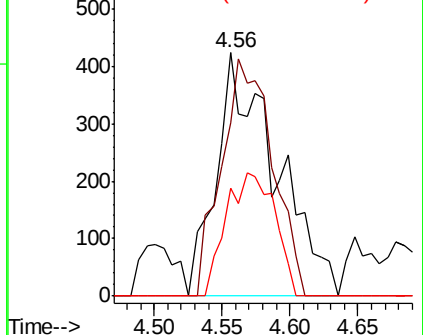
98 41.6 0.0 129.0

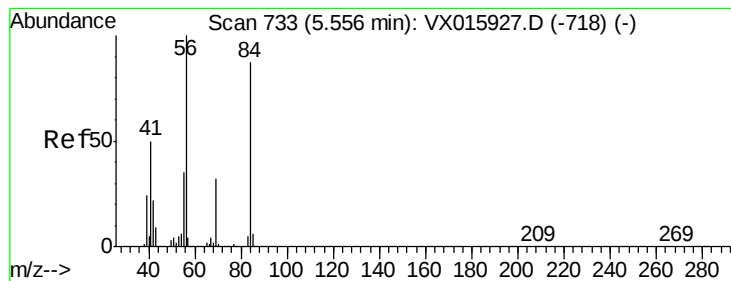


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#31

Cyclohexane

Concen: 1.131 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.08 min

Lab File: VX015948.D

Acq: 24 Apr 2020 22:00

Instrument :

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ClientSampleId :

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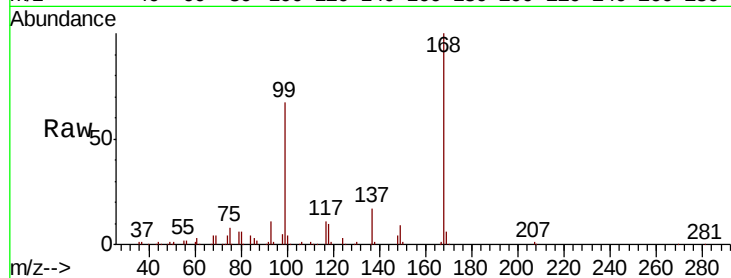
Tot Ion: 56 Resp: 3216

Ion Ratio Lower Upper

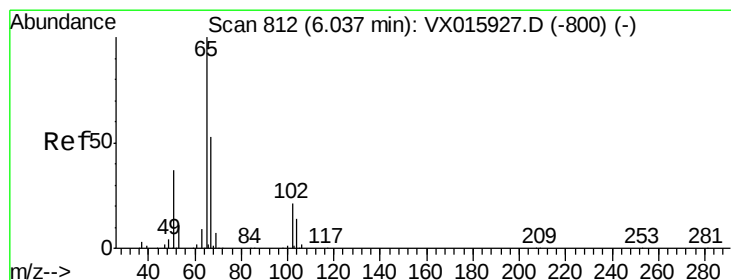
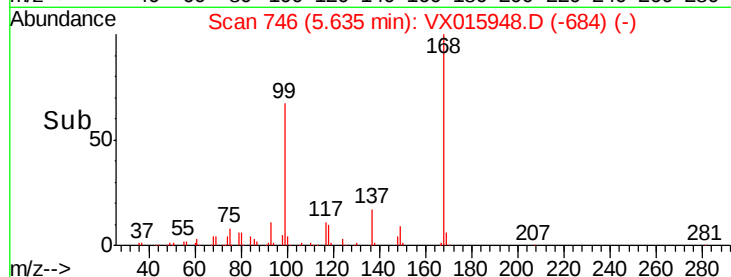
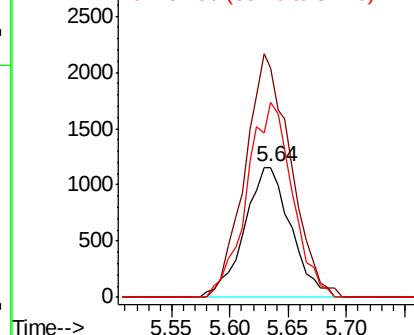
56 100

69 176.7 25.4 38.0#

84 150.3 69.5 104.3#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 51.808 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.00 min

Lab File: VX015948.D

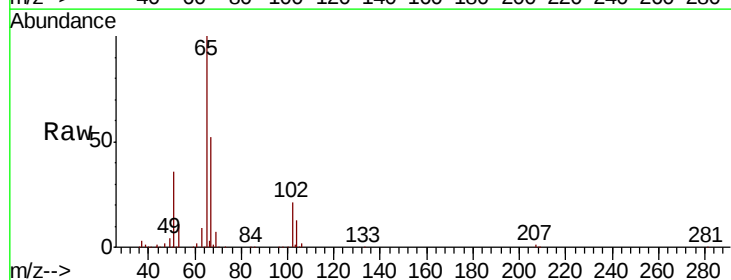
Acq: 24 Apr 2020 22:00

Tgt Ion: 65 Resp: 98237

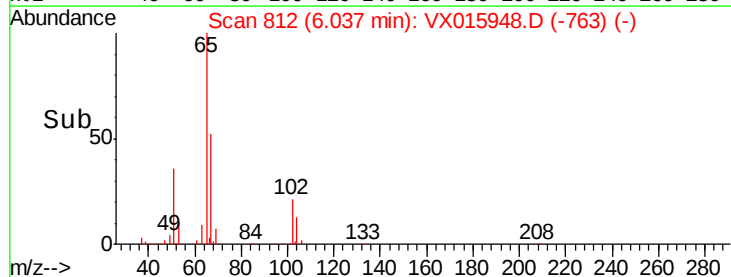
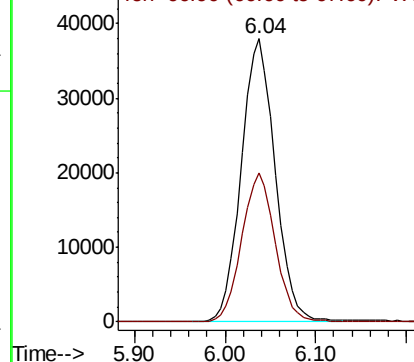
Ion Ratio Lower Upper

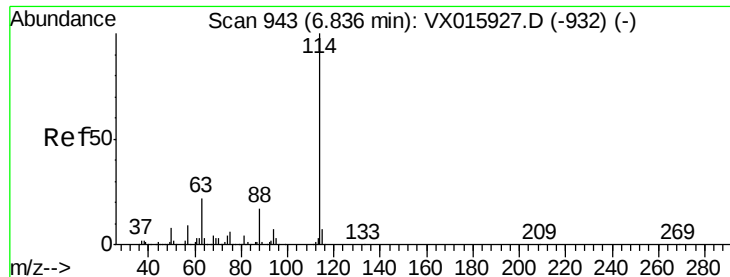
65 100

67 52.1 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.00 min

Lab File: VX015948.D

Acq: 24 Apr 2020 22:00

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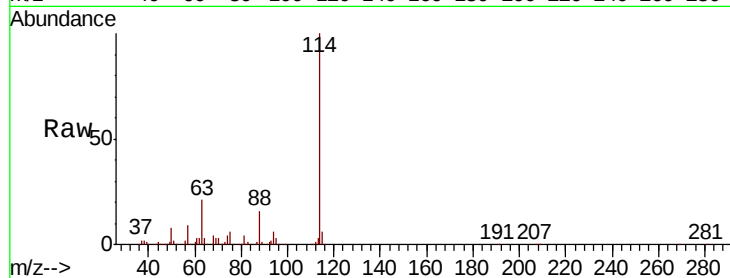
Tot Ion:114 Resp: 257575

Ion Ratio Lower Upper

114 100

63 21.3 0.0 44.4

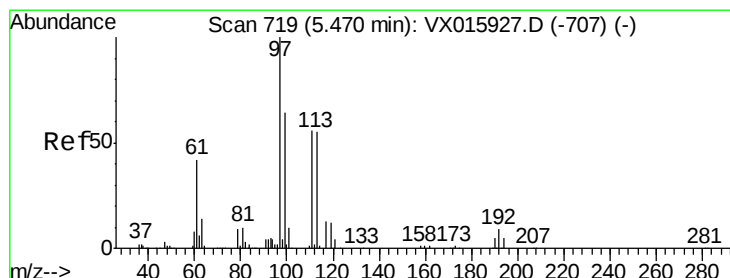
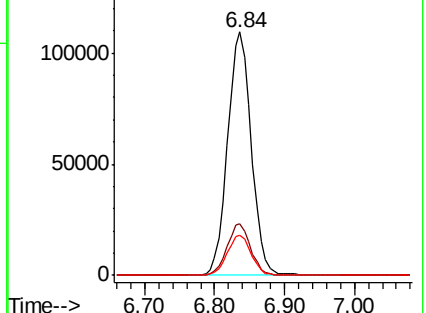
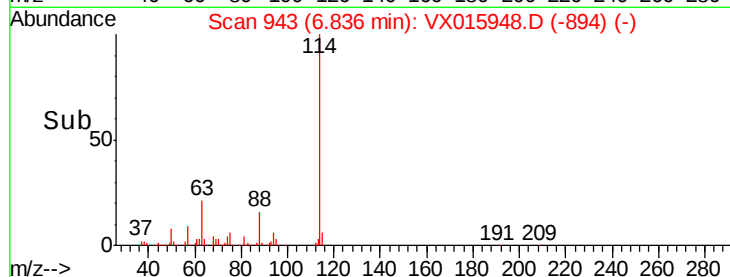
88 16.5 0.0 34.2



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: 53.586 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.00 min

Lab File: VX015948.D

Acq: 24 Apr 2020 22:00

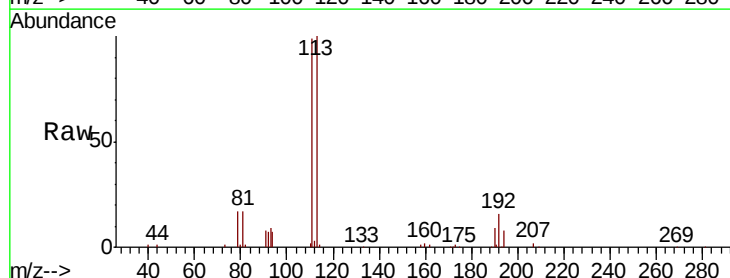
Tgt Ion:113 Resp: 75276

Ion Ratio Lower Upper

113 100

111 102.6 81.2 121.8

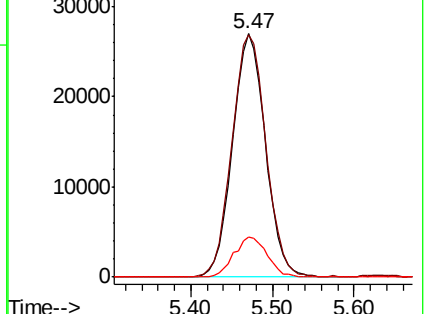
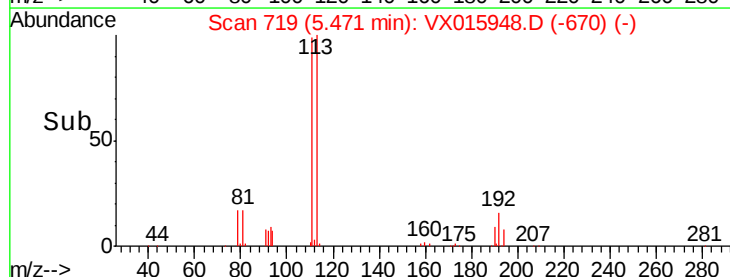
192 16.7 13.6 20.4

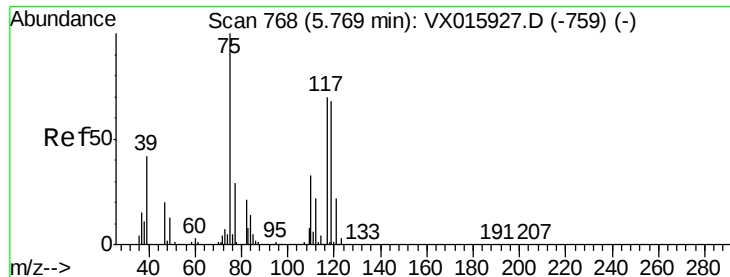


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.773 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.13 min

Lab File: VX015948.D

Acq: 24 Apr 2020 22:00

Instrument :

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KY037MW144-200423

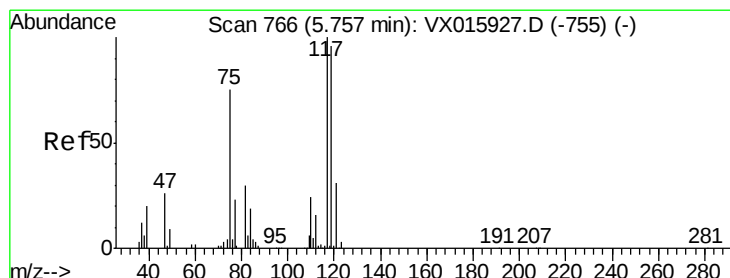
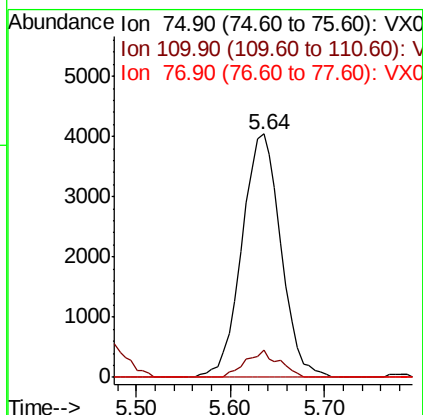
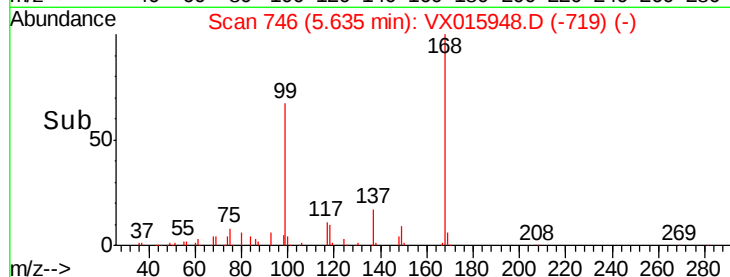
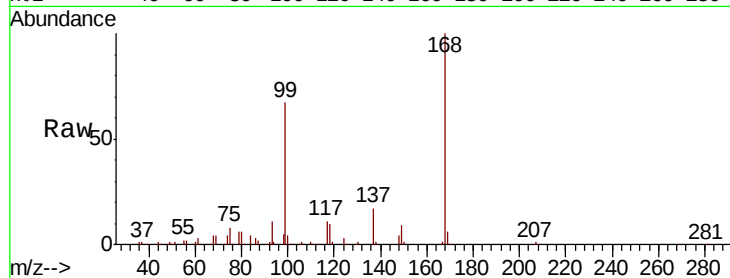
Tot Ion: 75 Resp: 11732

Ion Ratio Lower Upper

75 100

110 9.5 17.1 51.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.436 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX015948.D

Acq: 24 Apr 2020 22:00

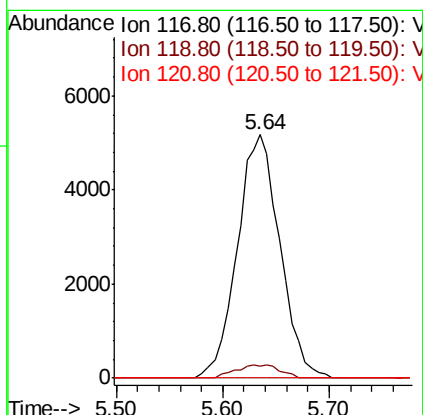
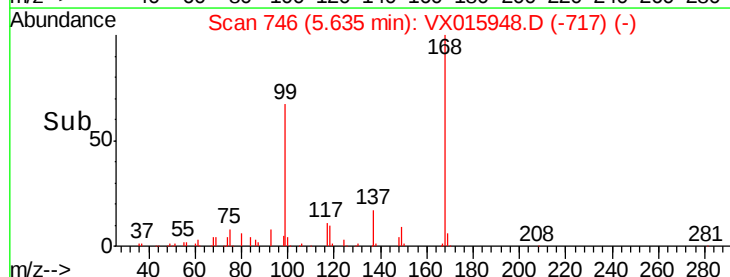
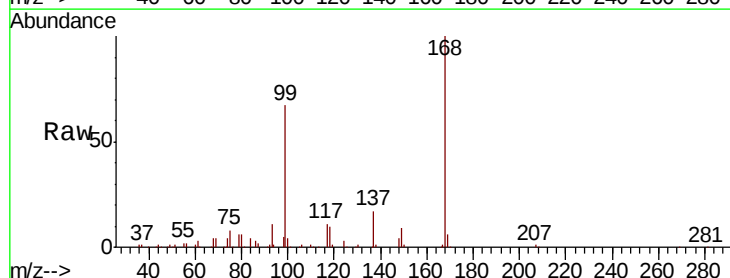
Tgt Ion: 117 Resp: 14458

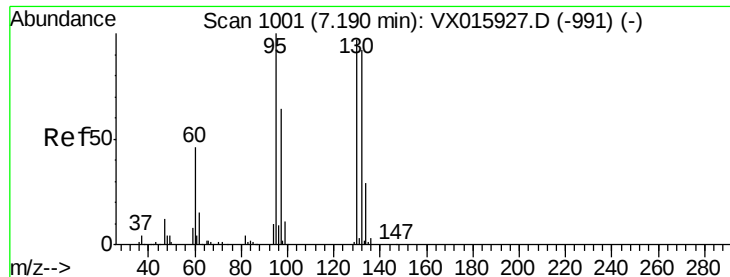
Ion Ratio Lower Upper

117 100

119 5.0 77.0 115.6#

121 0.0 25.0 37.4#





#44

Trichloroethene

Concen: 13.154 ug/l

RT: 7.20 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VX015948.D

Acq: 24 Apr 2020 22:00

Instrument :

MSVOA_X

ClientSampleId :

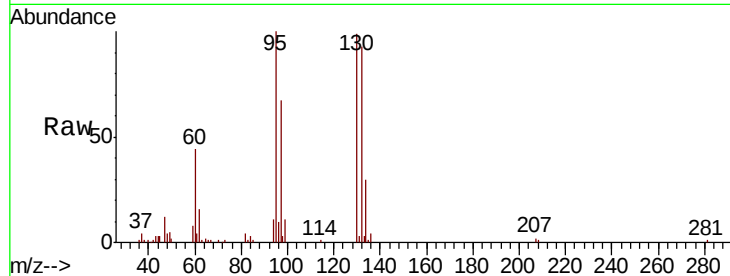
KY037MW144-200423

Tot Ion:130 Resp: 29130

Ion Ratio Lower Upper

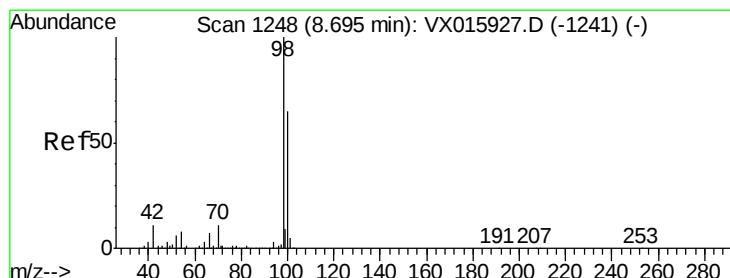
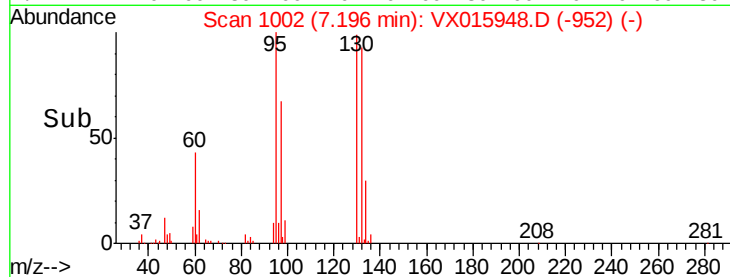
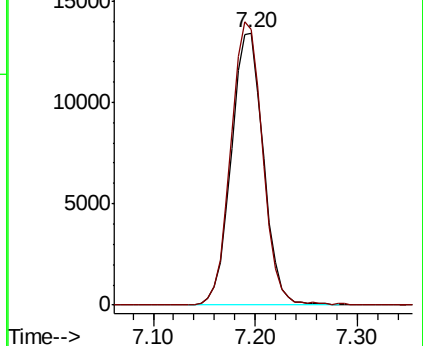
130 100

95 101.4 0.0 205.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 53.423 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX015948.D

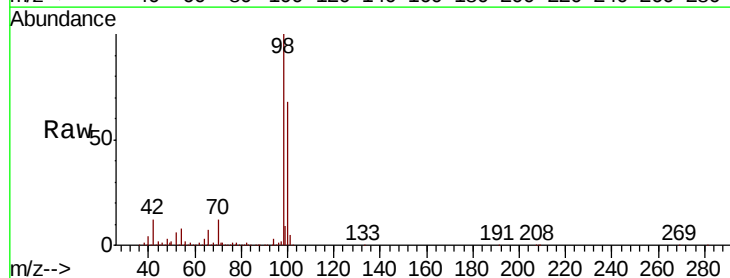
Acq: 24 Apr 2020 22:00

Tgt Ion: 98 Resp: 317724

Ion Ratio Lower Upper

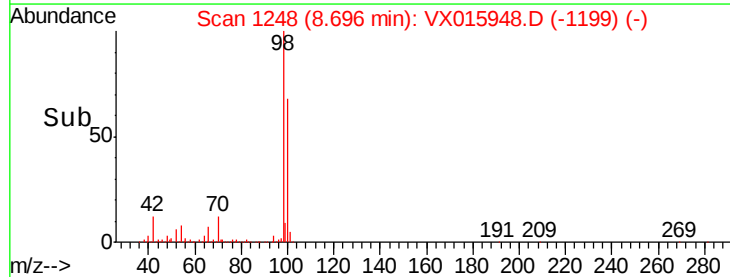
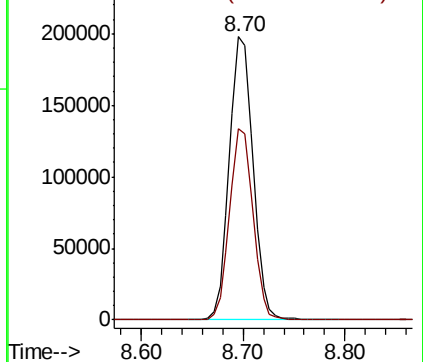
98 100

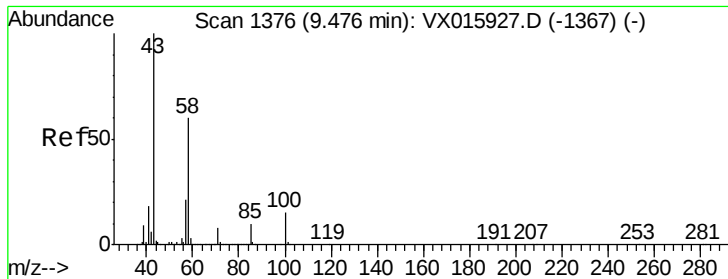
100 67.0 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

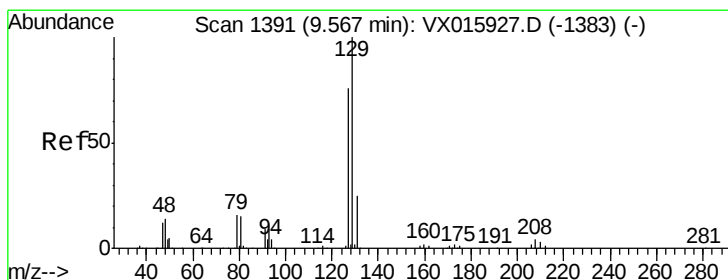
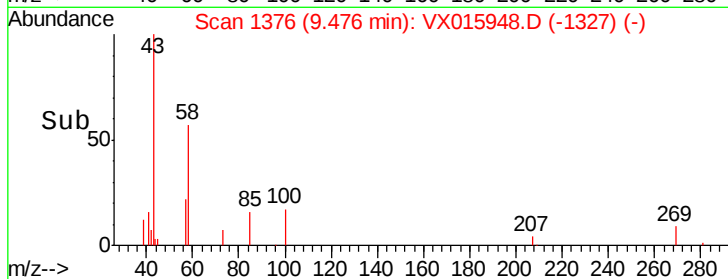
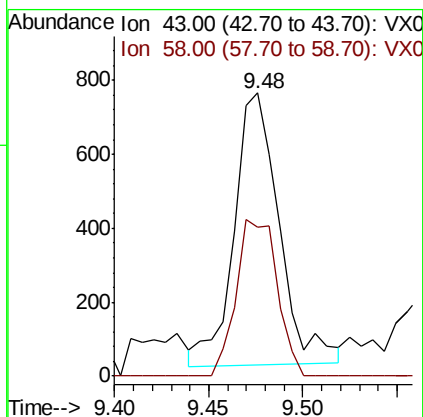
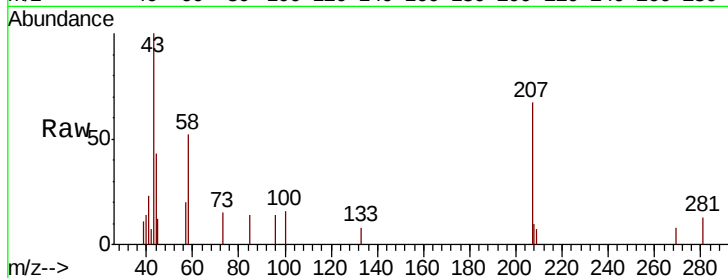




#59
2-Hexanone
Concen: 0.676 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. 0.00 min
Lab File: VX015948.D
Acq: 24 Apr 2020 22:00

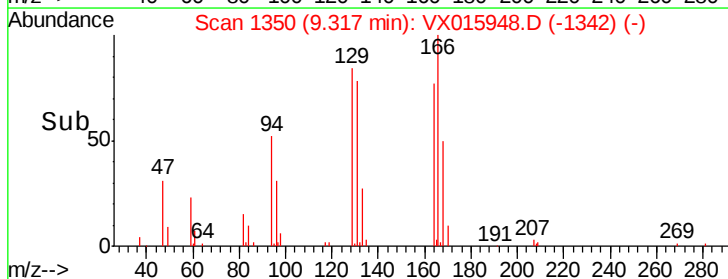
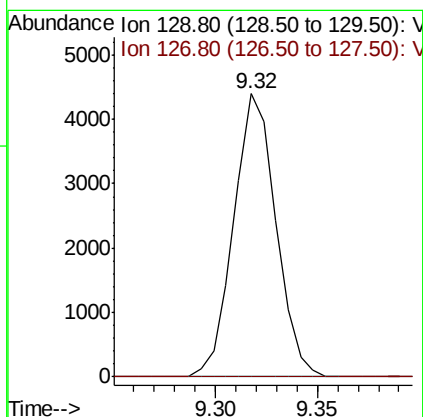
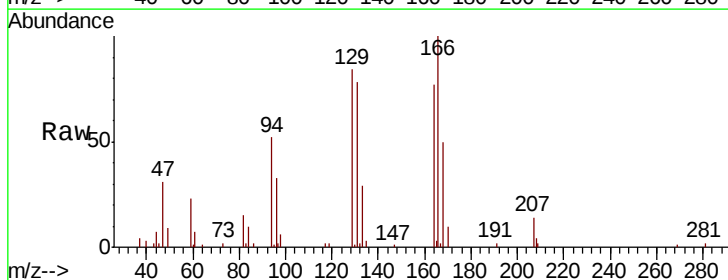
Instrument :
MSVOA_X
ClientSampleId :
KY037MW144-200423

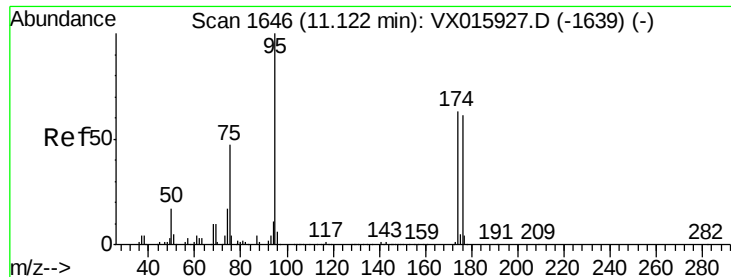
Tot Ion: 43 Resp: 1219
Ion Ratio Lower Upper
43 100
58 52.2 29.7 89.1



#60
Dibromochloromethane
Concen: 3.486 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.25 min
Lab File: VX015948.D
Acq: 24 Apr 2020 22:00

Tgt Ion: 129 Resp: 6310
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.3#





#62

4-Bromofluorobenzene

Concen: 55.430 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX015948.D

Acq: 24 Apr 2020 22:00

Instrument :

MSVOA_X

ClientSampleId :

KY037MW144-200423

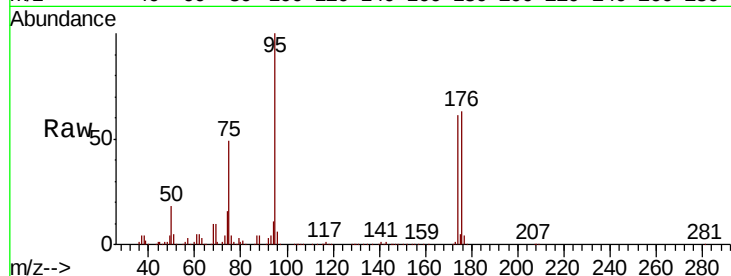
Tot Ion: 95 Resp: 133713

Ion Ratio Lower Upper

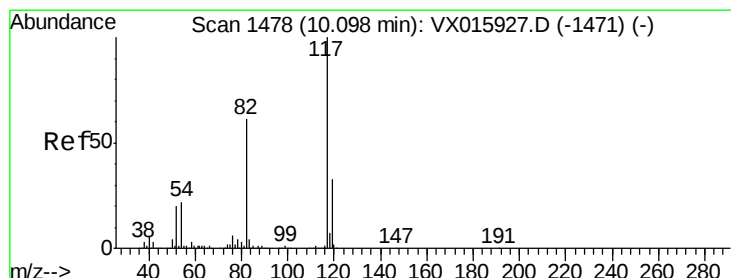
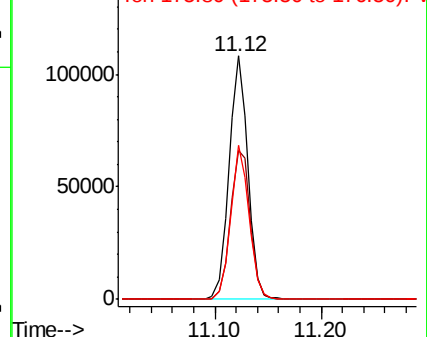
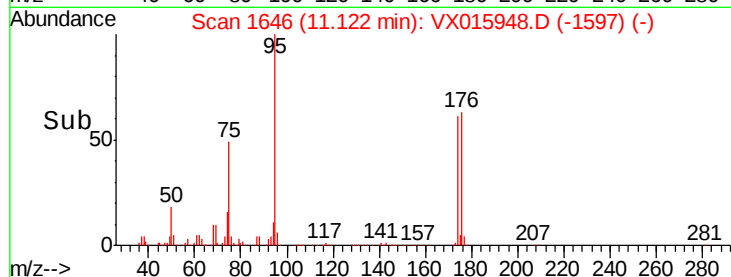
95 100

174 64.9 0.0 133.6

176 61.7 0.0 126.0



Abundance Ion 94.90 (94.60 to 95.60): VX015948.D (-1597) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. 0.00 min

Lab File: VX015948.D

Acq: 24 Apr 2020 22:00

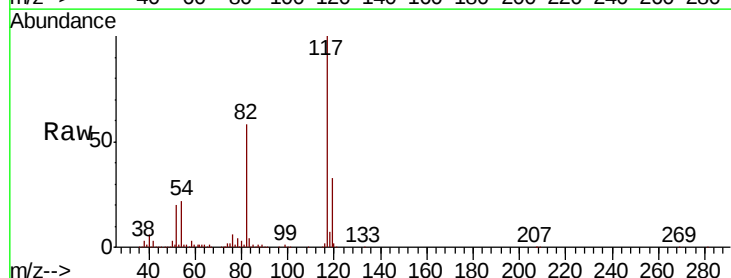
Tgt Ion: 117 Resp: 249700

Ion Ratio Lower Upper

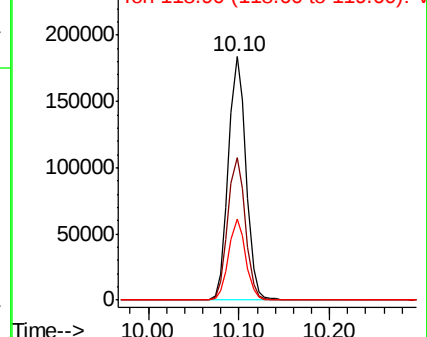
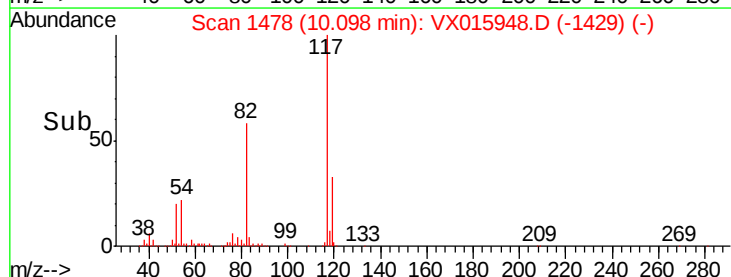
117 100

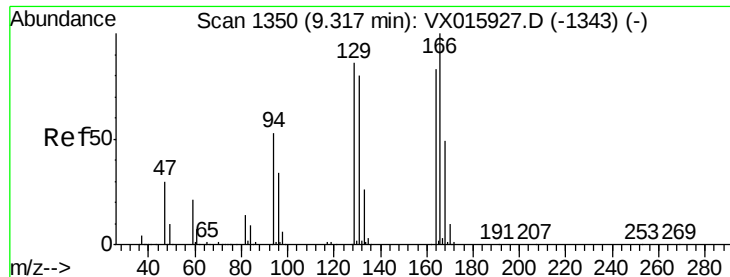
82 58.3 48.5 72.7

119 33.0 26.2 39.4



Abundance Ion 116.90 (116.60 to 117.60): VX015948.D (-1429) (-)





#64

Tetrachloroethene

Concen: 2.439 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. 0.00 min

Lab File: VX015948.D

Acq: 24 Apr 2020 22:00

Instrument :

MSVOA_X

ClientSampleId :

KY037MW144-200423

Tot Ion:164 Resp: 6060

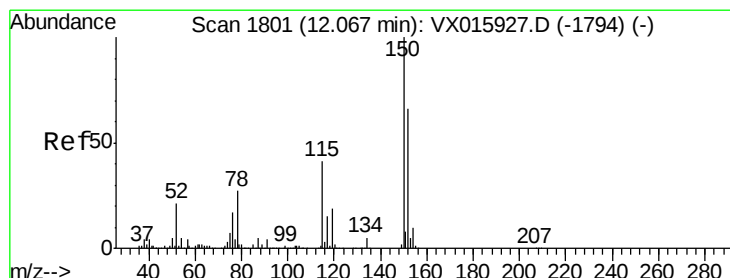
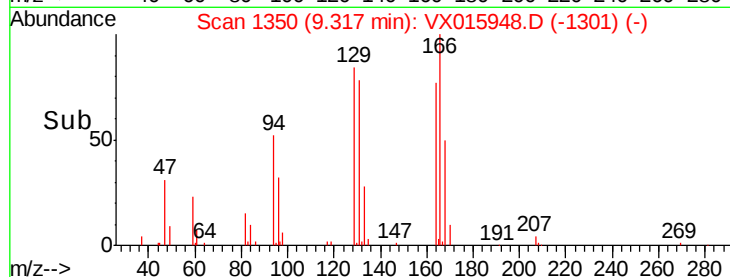
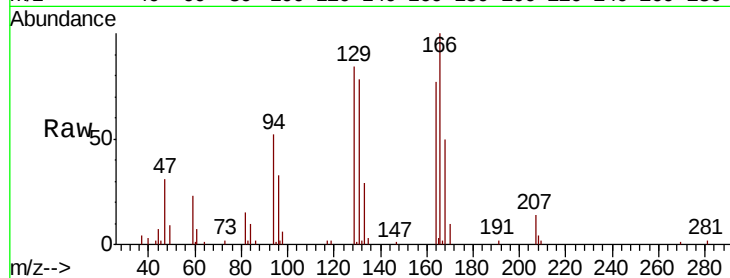
Ion Ratio Lower Upper

164 100

166 129.6 96.7 145.1

129 109.3 82.8 124.2

131 101.4 77.0 115.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VX015948.D

Acq: 24 Apr 2020 22:00

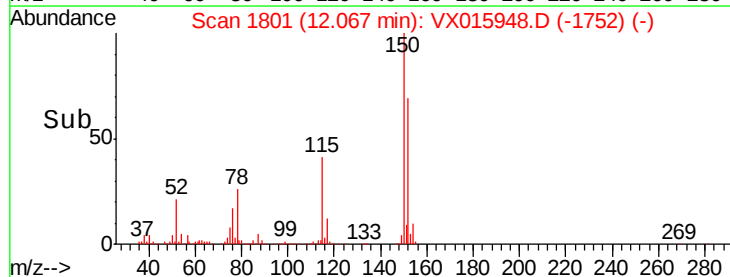
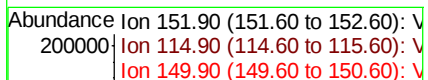
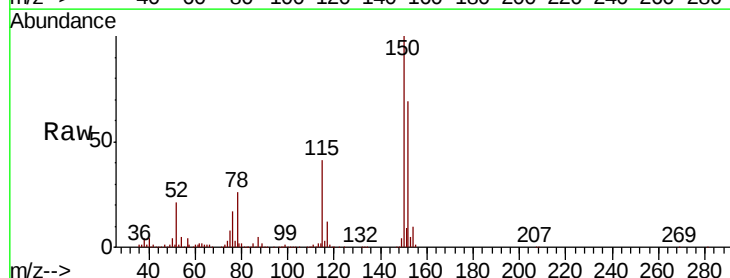
Tgt Ion:152 Resp: 121074

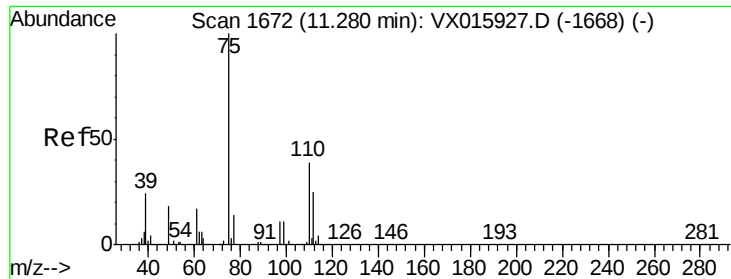
Ion Ratio Lower Upper

152 100

115 64.7 44.1 132.4

150 157.0 0.0 343.6

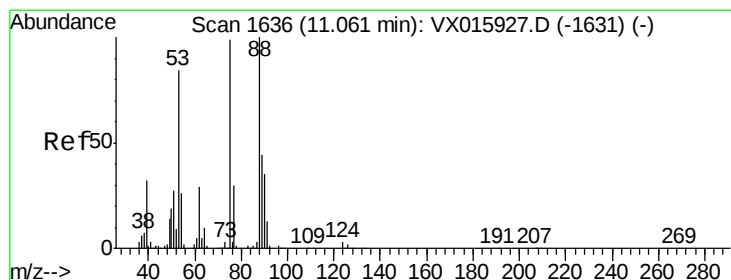
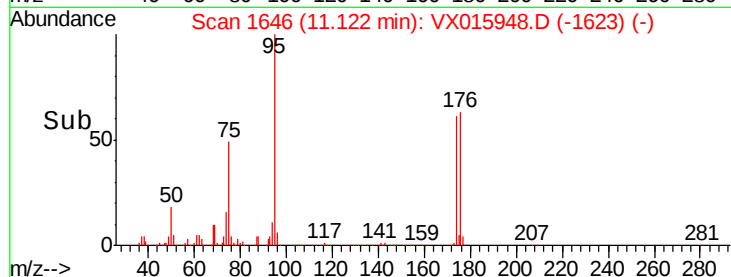
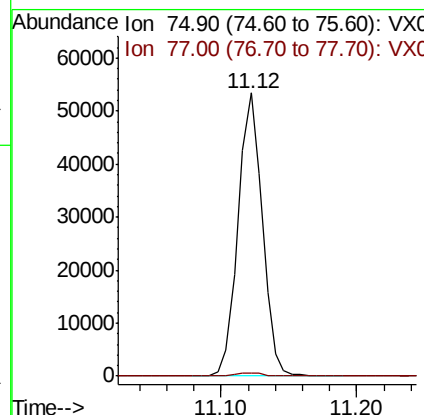
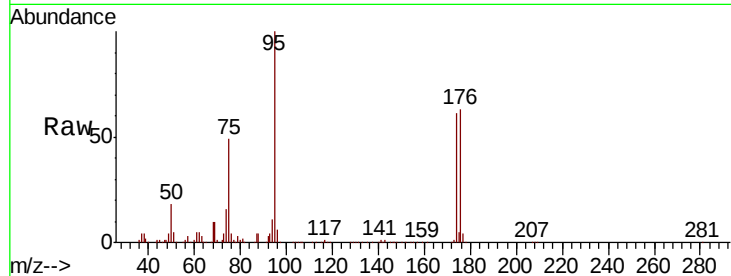




#76
 1,2,3-Trichloropropane
 Concen: 25.583 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.16 min
 Lab File: VX015948.D
 Acq: 24 Apr 2020 22:00

Instrument :
 MSVOA_X
 ClientSampleId :
 KY037MW144-200423

Tot Ion: 75 Resp: 66441
 Ion Ratio Lower Upper
 75 100
 77 1.3 22.1 66.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 57.627 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.06 min
 Lab File: VX015948.D
 Acq: 24 Apr 2020 22:00

Tgt Ion: 75 Resp: 66441
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.7 104.5#
 89 0.0 36.3 54.5#

