

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX042420\
 Data File : VX015947.D
 Acq On : 24 Apr 2020 21:37
 Operator : JC/SP
 Sample : L2415-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY037MW090-200423

Quant Time: Apr 25 06:55:08 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	5.63	168	131988	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	250508	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	246729	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	120080	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	95708	51.35	ug/l	0.00
Spiked Amount			Recovery	=	102.70%	
35) Dibromofluoromethane	5.47	113	74041	54.19	ug/l	0.00
Spiked Amount			Recovery	=	108.38%	
50) Toluene-d8	8.70	98	315863	54.61	ug/l	0.00
Spiked Amount			Recovery	=	109.22%	
62) 4-Bromofluorobenzene	11.12	95	130980	55.83	ug/l	0.00
Spiked Amount			Recovery	=	111.66%	

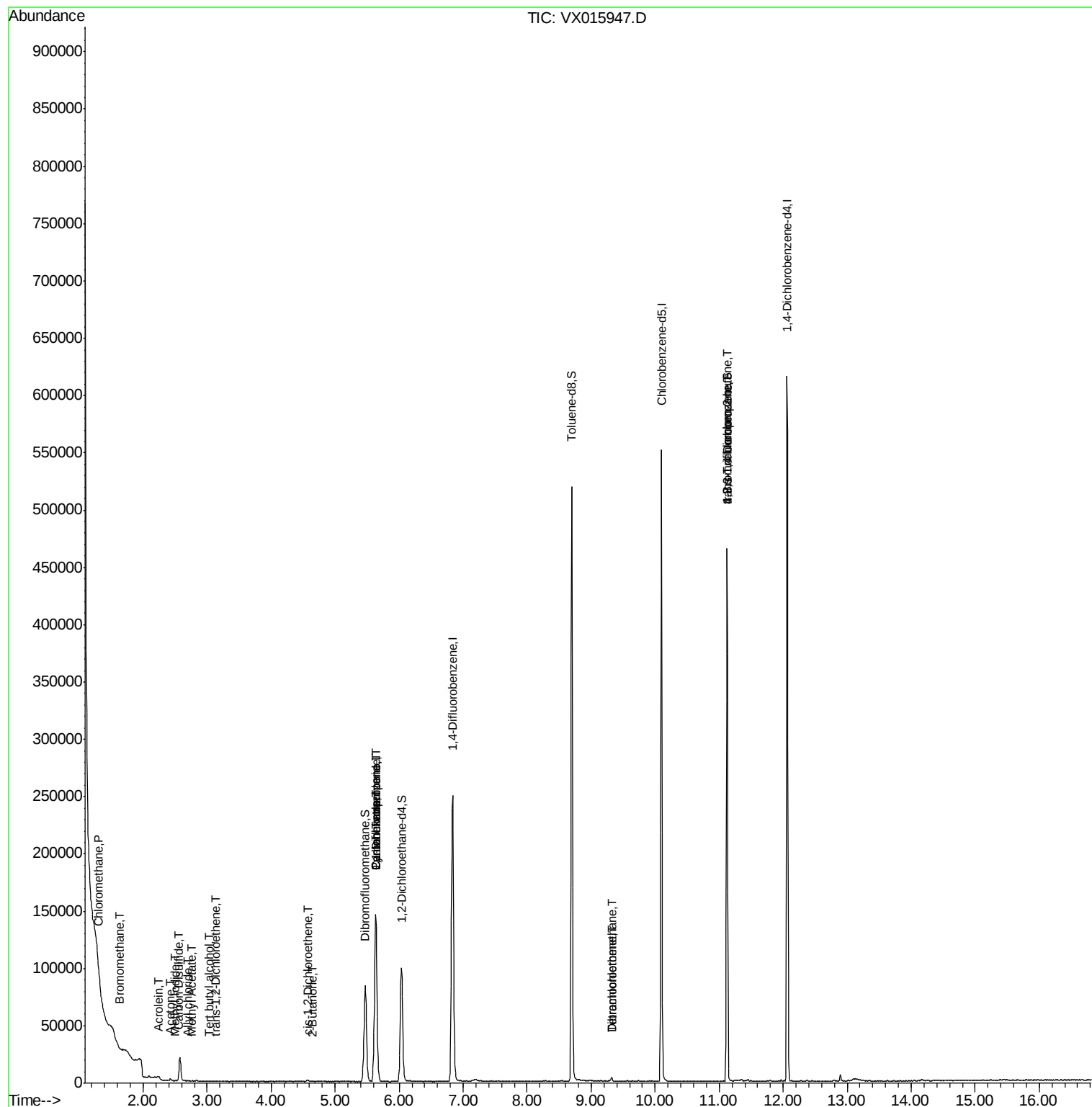
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	434	0.290	ug/l #	80
5) Bromomethane	1.64	94	144	0.209	ug/l #	3
10) Methyl Iodide	2.50	142	95	4.865	ug/l #	41
11) Tert butyl alcohol	3.02	59	225	0.562	ug/l #	72
13) Acrolein	2.25	56	190	0.765	ug/l #	1
14) Allyl chloride	2.70	41	604	0.229	ug/l #	25
16) Acetone	2.42	43	1955	2.797	ug/l	94
17) Carbon Disulfide	2.55	76	2265	0.251	ug/l	99
18) Methyl Acetate	2.75	43	461	0.218	ug/l #	49
21) trans-1,2-Dichloroethene	3.14	96	378	0.226	ug/l #	41
25) 2-Butanone	4.64	43	269	0.236	ug/l #	47
27) cis-1,2-Dichloroethene	4.57	96	1430	0.755	ug/l	60
31) Cyclohexane	5.64	56	3078	1.101	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	11629	4.864	ug/l #	49
38) Carbon Tetrachloride	5.64	117	14146	6.475	ug/l #	16
60) Dibromochloromethane	9.32	129	579	0.329	ug/l #	11
64) Tetrachloroethene	9.32	164	610	0.248	ug/l #	85
76) 1,2,3-Trichloropropane	11.12	75	64303	24.964	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.12	75	64303	56.235	ug/l #	14

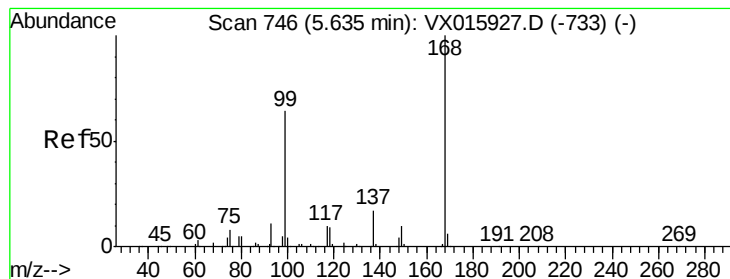
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX042420\
Data File : VX015947.D
Acq On : 24 Apr 2020 21:37
Operator : JC/SP
Sample : L2415-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
KY037MW090-200423

Quant Time: Apr 25 06:55:08 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042420W.M
Quant Title : SW846 8260
QLast Update : Fri Apr 24 13:17:59 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX015947.D

Acq: 24 Apr 2020 21:37

Instrument :

MSVOA_X

ClientSampleId :

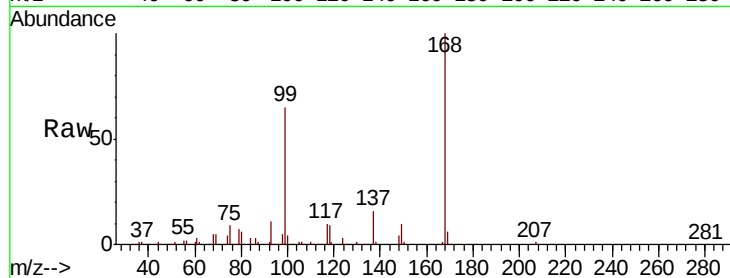
KY037MW090-200423

Tot Ion:168 Resp: 131988

Ion Ratio Lower Upper

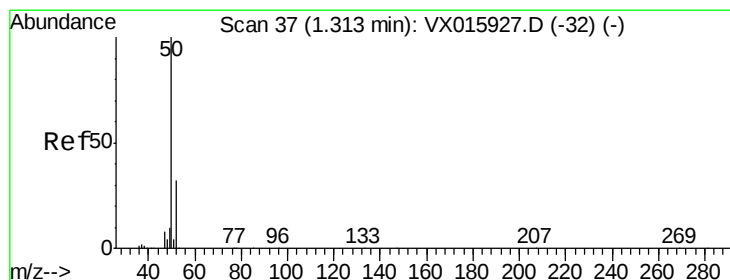
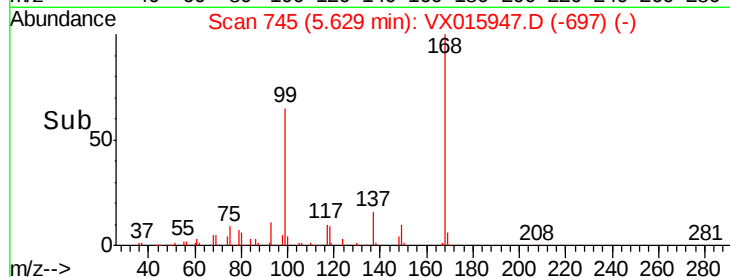
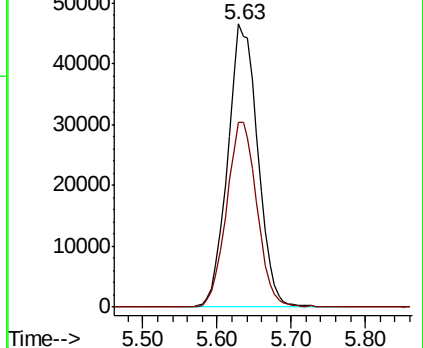
168 100

99 65.4 51.2 76.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.290 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX015947.D

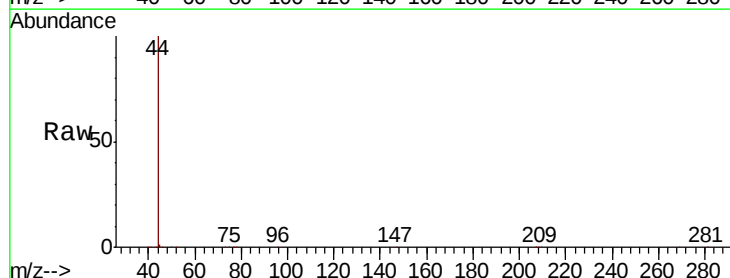
Acq: 24 Apr 2020 21:37

Tgt Ion: 50 Resp: 434

Ion Ratio Lower Upper

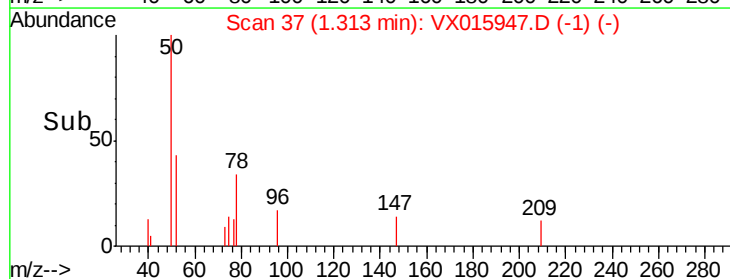
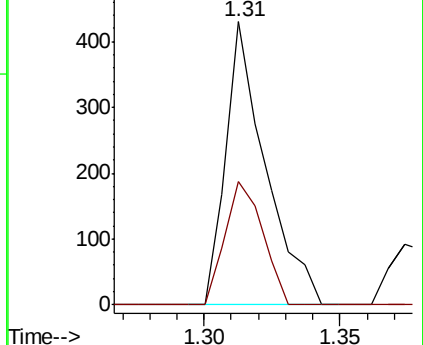
50 100

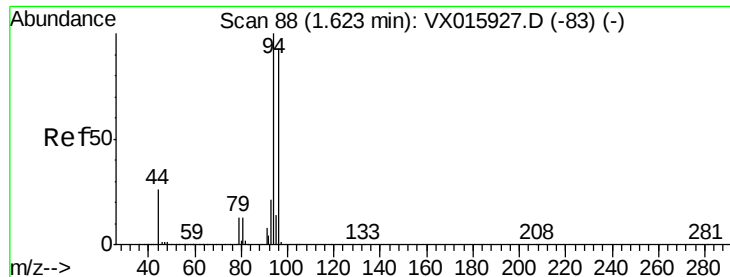
52 43.5 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.209 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX015947.D

Acq: 24 Apr 2020 21:37

Instrument :

MSVOA_X

ClientSampleId :

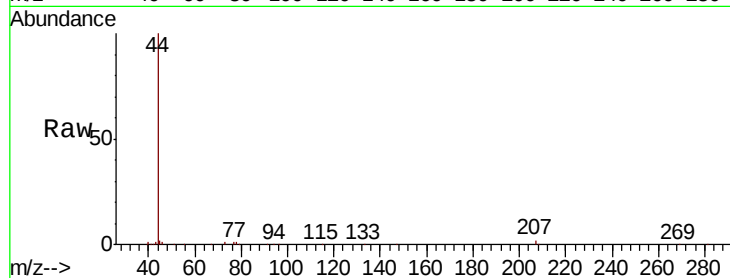
KY037MW090-200423

Tot Ion: 94 Resp: 144

Ion Ratio Lower Upper

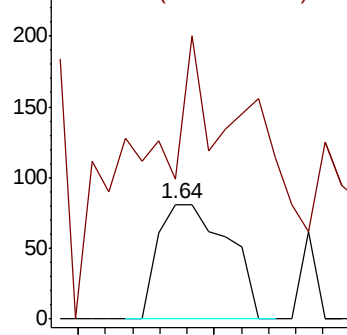
94 100

96 0.0 74.8 112.2#

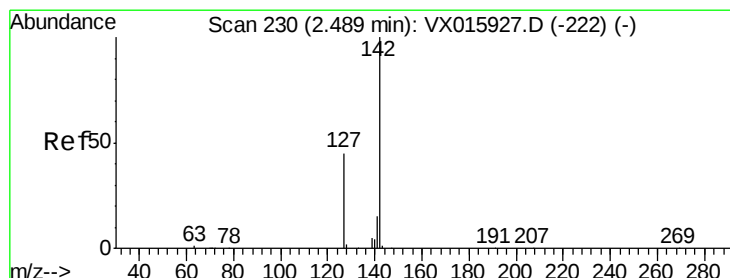
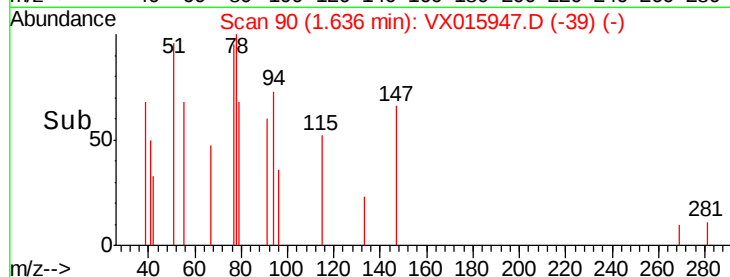


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#10

Methyl Iodide

Concen: 4.865 ug/l

RT: 2.50 min Scan# 232

Delta R.T. 0.01 min

Lab File: VX015947.D

Acq: 24 Apr 2020 21:37

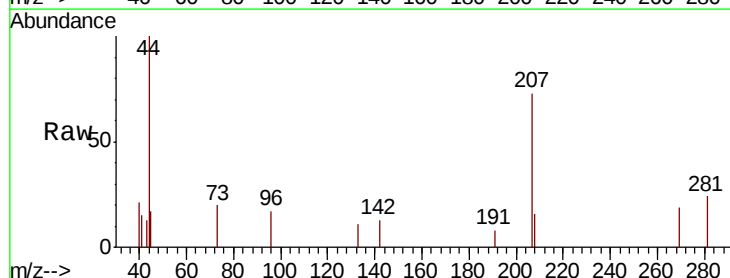
Tgt Ion: 142 Resp: 95

Ion Ratio Lower Upper

142 100

127 0.0 34.4 51.6#

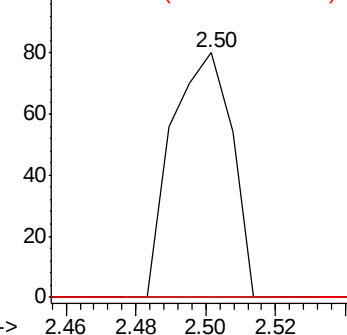
141 0.0 11.5 17.3#



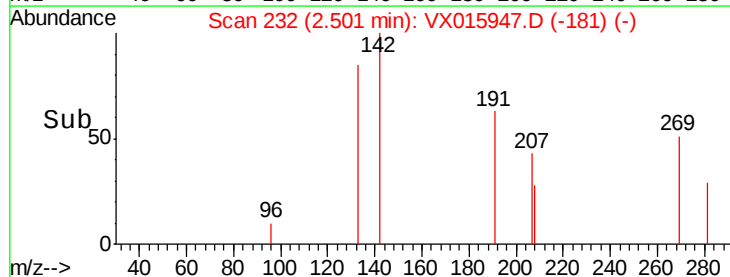
Abundance Ion 141.80 (141.50 to 142.50): V

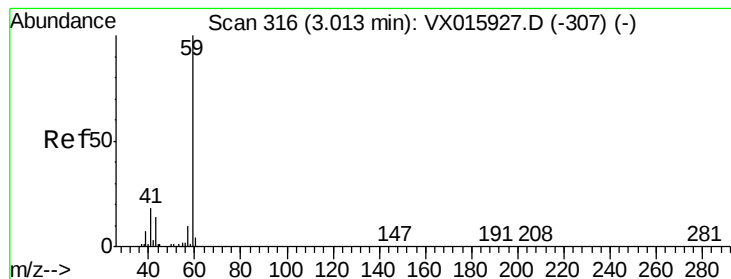
Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



Time-->



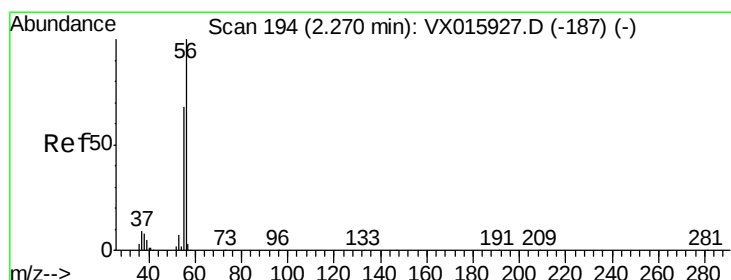
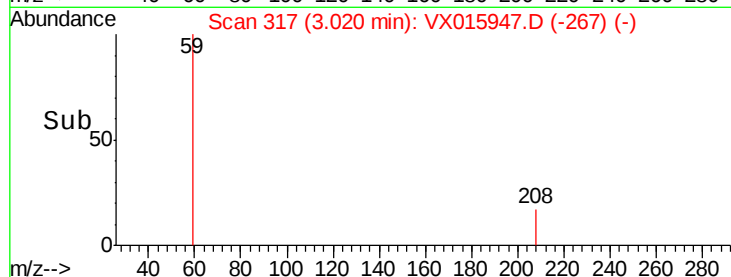
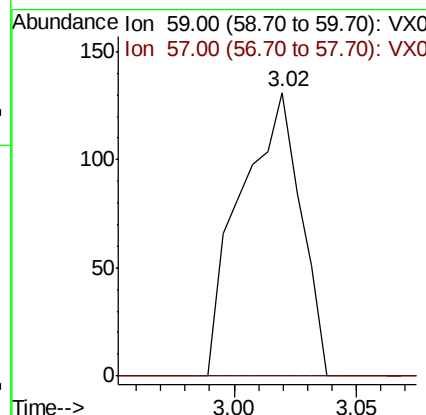
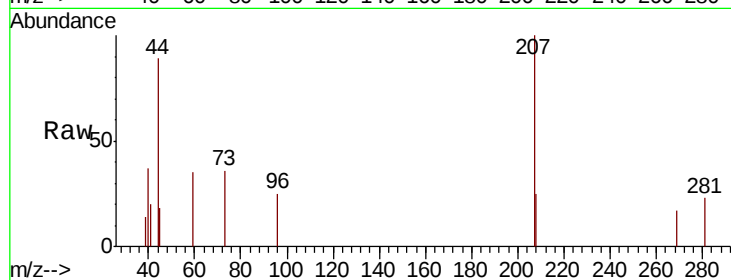


#11

Tert butyl alcohol
 Concen: 0.562 ug/l
 RT: 3.02 min Scan# 317
 Delta R.T. 0.01 min
 Lab File: VX015947.D
 Acq: 24 Apr 2020 21:37

Instrument :
 MSVOA_X
 ClientSampleId :
 KY037MW090-200423

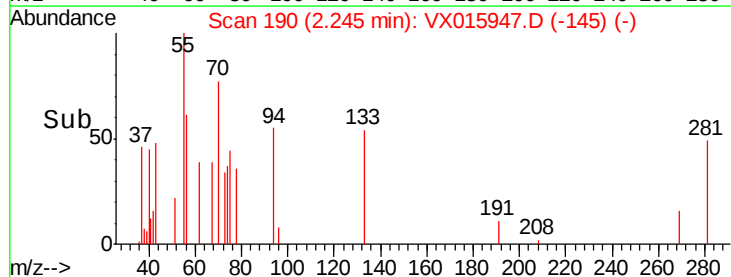
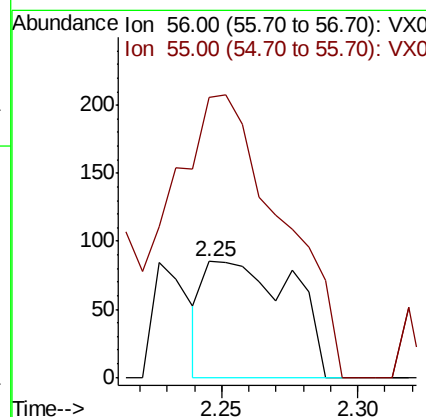
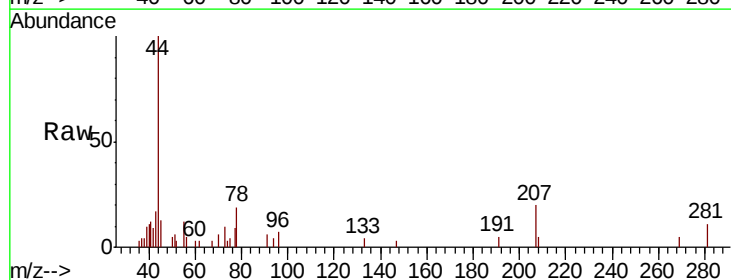
Tot Ion: 59 Resp: 225
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#

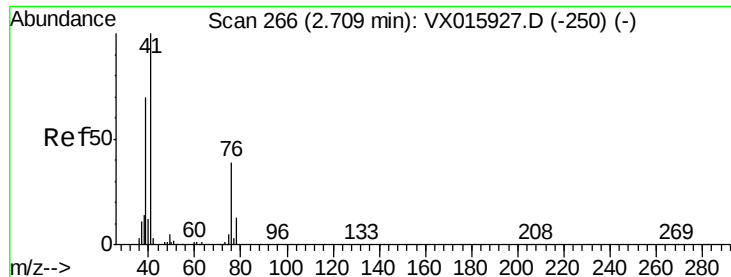


#13

Acrolein
 Concen: 0.765 ug/l
 RT: 2.25 min Scan# 190
 Delta R.T. -0.02 min
 Lab File: VX015947.D
 Acq: 24 Apr 2020 21:37

Tgt Ion: 56 Resp: 190
 Ion Ratio Lower Upper
 56 100
 55 297.4 56.0 84.0#

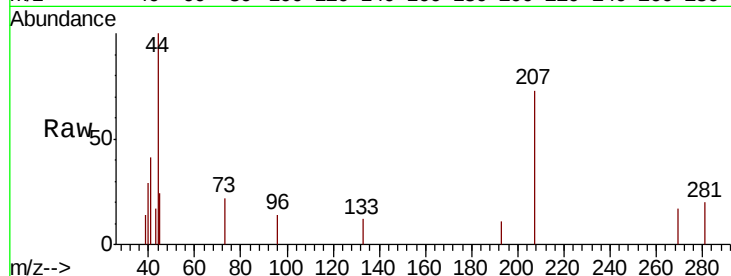




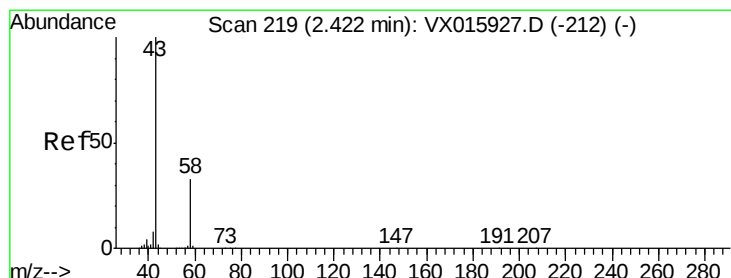
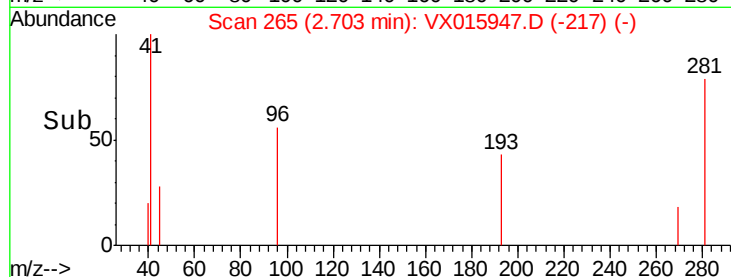
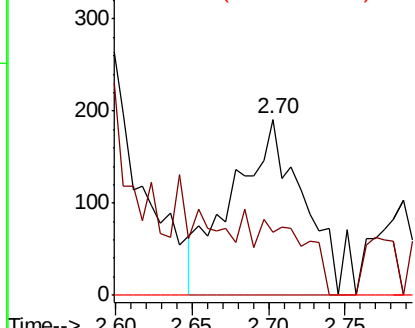
#14
Allvl chloride
Concen: 0.229 ug/l
RT: 2.70 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX015947.D
Acq: 24 Apr 2020 21:37

Instrument :
MSVOA_X
ClientSampleId :
KY037MW090-200423

Tot Ion: 41 Resp: 604
Ion Ratio Lower Upper
41 100
39 0.0 51.6 77.4#
76 0.0 29.3 43.9#

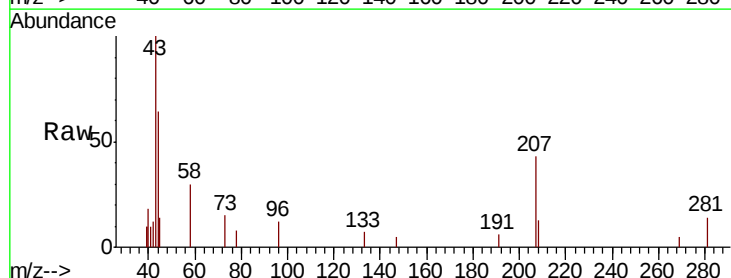


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 75.90 (75.60 to 76.60): VX0

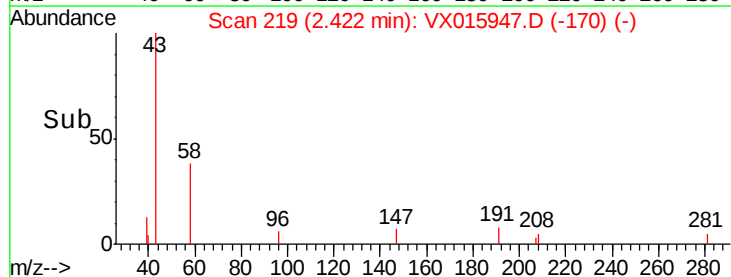
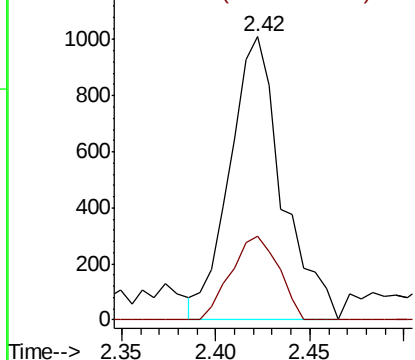


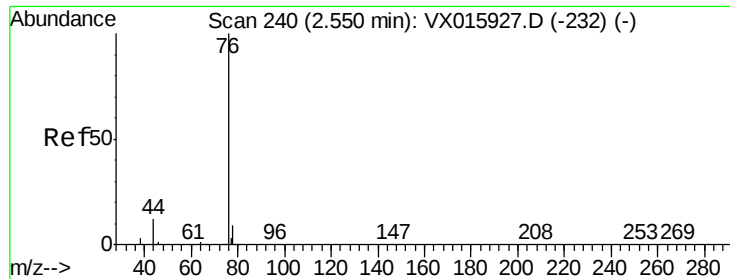
#16
Acetone
Concen: 2.797 ug/l
RT: 2.42 min Scan# 219
Delta R.T. 0.00 min
Lab File: VX015947.D
Acq: 24 Apr 2020 21:37

Tgt Ion: 43 Resp: 1955
Ion Ratio Lower Upper
43 100
58 29.8 26.4 39.6



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





#17

Carbon Disulfide

Concen: 0.251 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX015947.D

Acq: 24 Apr 2020 21:37

Instrument :

MSVOA_X

ClientSampleId :

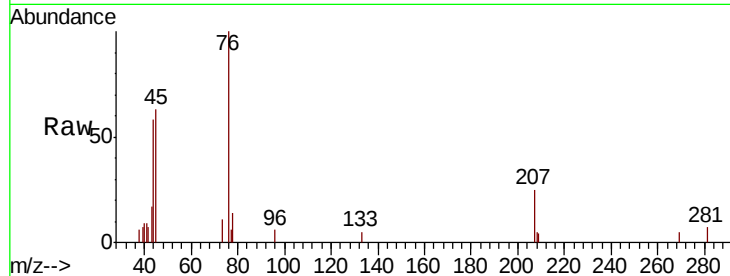
KY037MW090-200423

Tot Ion: 76 Resp: 2265

Ion Ratio Lower Upper

76 100

78 9.8 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.55

1500

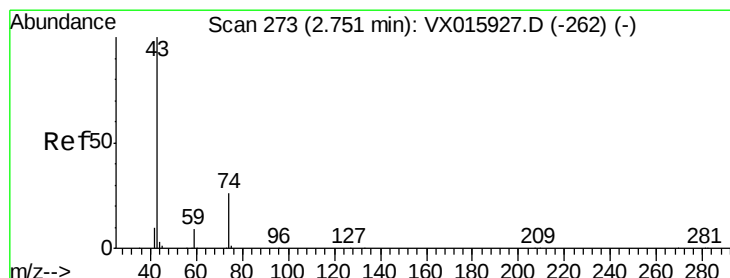
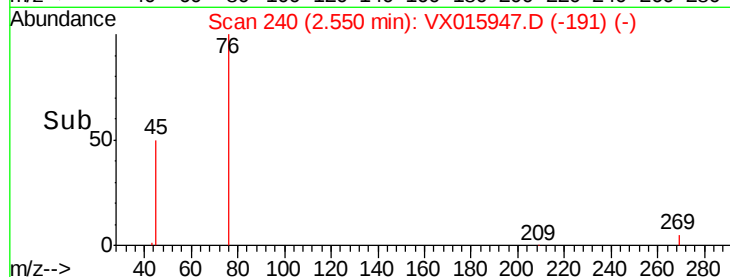
1000

500

0

2.50 2.55 2.60

Time-->



#18

Methyl Acetate

Concen: 0.218 ug/l

RT: 2.75 min Scan# 273

Delta R.T. 0.00 min

Lab File: VX015947.D

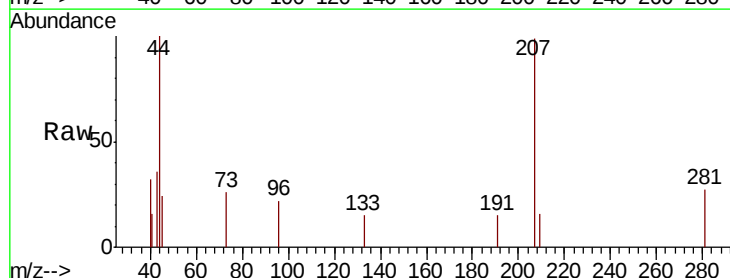
Acq: 24 Apr 2020 21:37

Tgt Ion: 43 Resp: 461

Ion Ratio Lower Upper

43 100

74 0.0 21.0 31.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.75

150

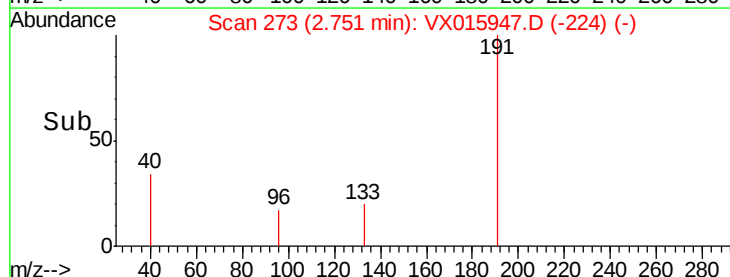
100

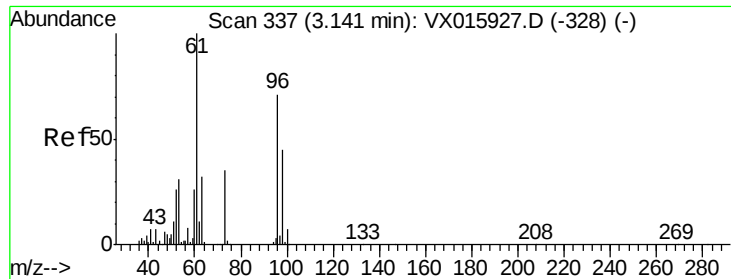
50

0

2.70 2.75 2.80

Time-->





#21

trans-1,2-Dichloroethene

Concen: 0.226 ug/l

RT: 3.14 min Scan# 337

Delta R.T. 0.00 min

Lab File: VX015947.D

Acq: 24 Apr 2020 21:37

Instrument :

MSVOA_X

ClientSampleId :

KY037MW090-200423

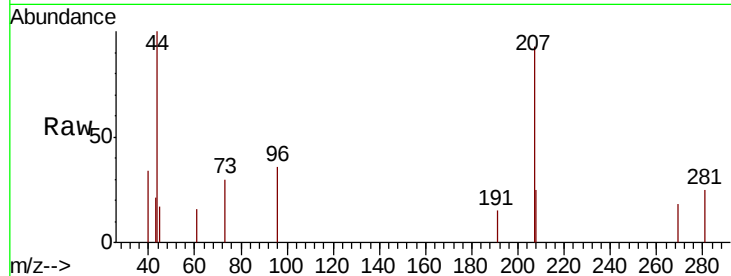
Tot Ion: 96 Resp: 378

Ion Ratio Lower Upper

96 100

61 82.1 112.7 169.1#

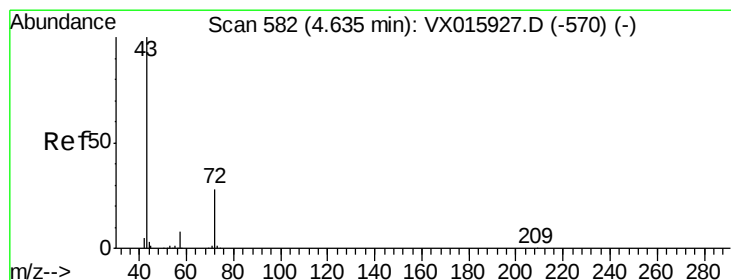
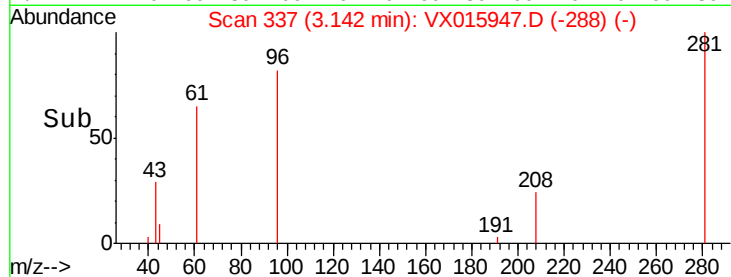
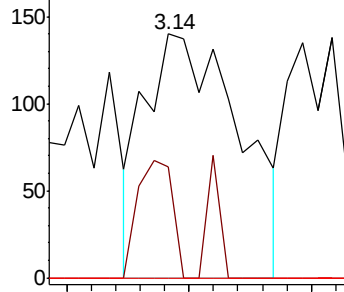
98 0.0 51.0 76.4#



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



#25

2-Butanone

Concen: 0.236 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX015947.D

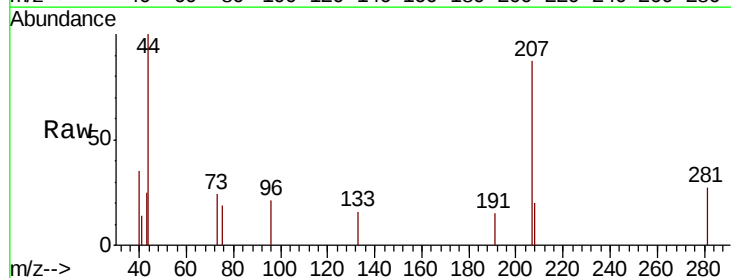
Acq: 24 Apr 2020 21:37

Tgt Ion: 43 Resp: 269

Ion Ratio Lower Upper

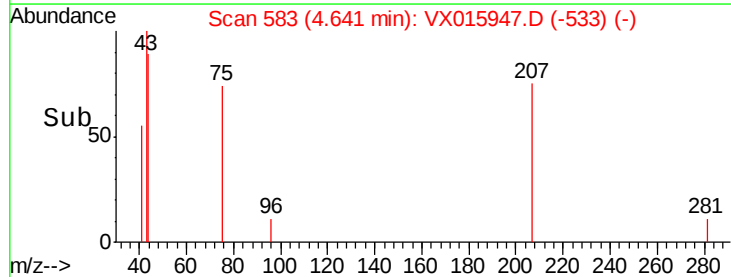
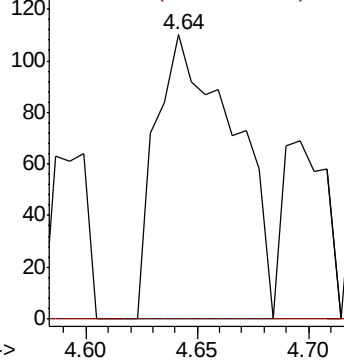
43 100

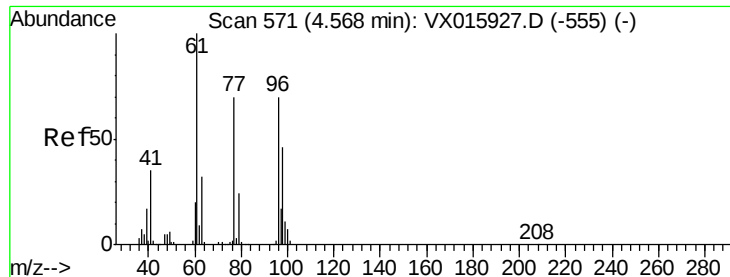
72 0.0 22.4 33.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



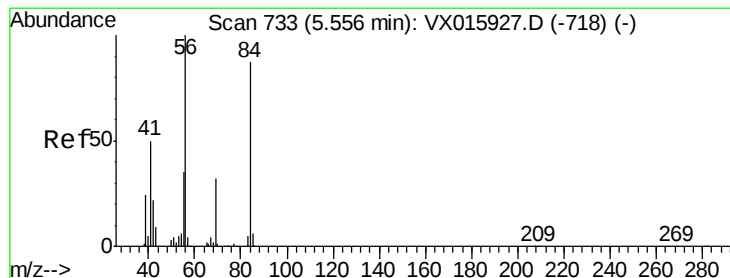
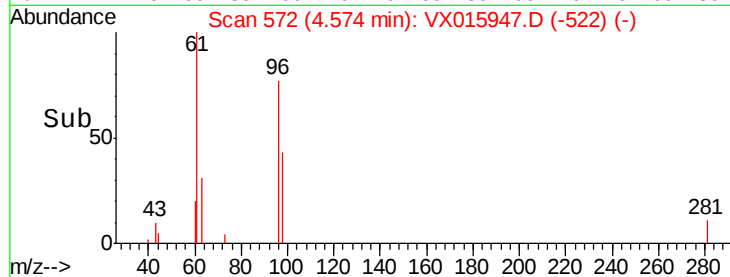
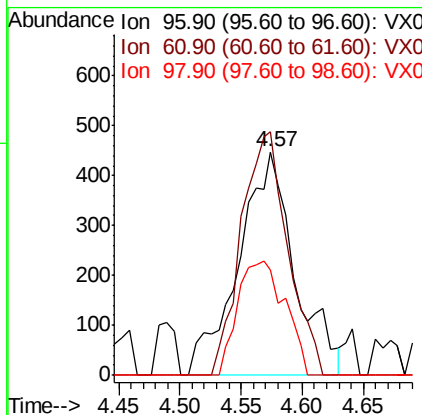
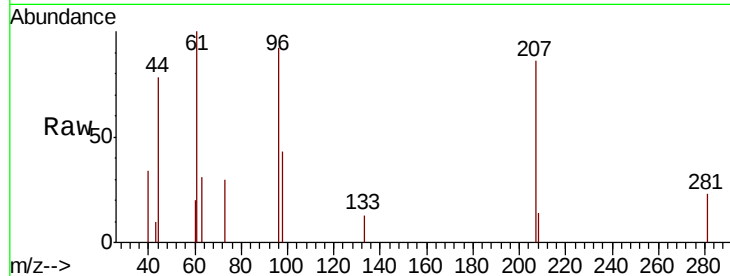


#27

cis-1,2-Dichloroethene
 Concen: 0.755 ug/l
 RT: 4.57 min Scan# 572
 Delta R.T. 0.01 min
 Lab File: VX015947.D
 Acq: 24 Apr 2020 21:37

Instrument :
 MSVOA_X
 ClientSampleId :
 KY037MW090-200423

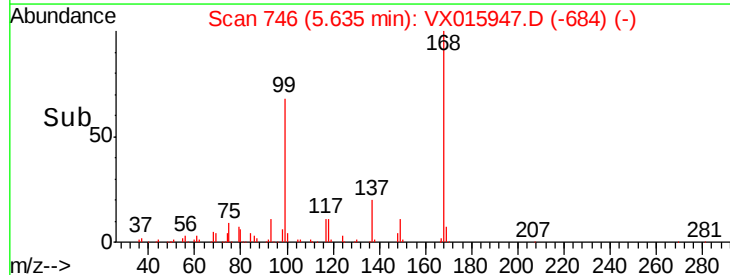
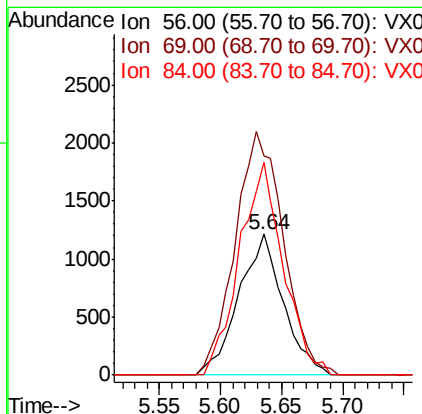
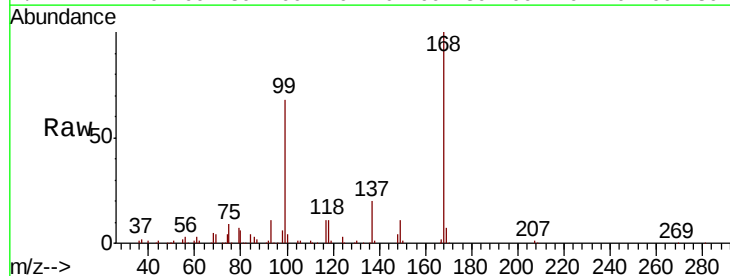
Tot Ion	96	Resp:	1430
Ion	Ratio	Lower	Upper
96	100		
61	90.3	0.0	293.4
98	42.9	0.0	129.0

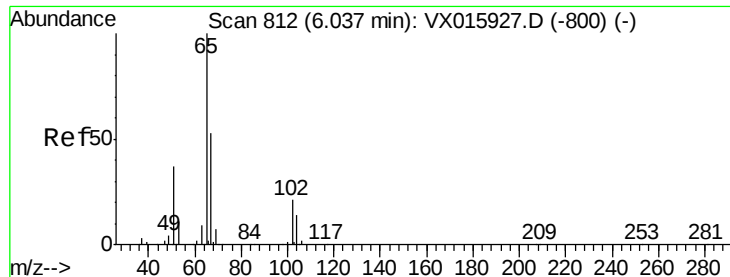


#31

Cyclohexane
 Concen: 1.101 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. 0.08 min
 Lab File: VX015947.D
 Acq: 24 Apr 2020 21:37

Tgt Ion	56	Resp:	3078
Ion	Ratio	Lower	Upper
56	100		
69	156.1	25.4	38.0#
84	151.4	69.5	104.3#





#33

1,2-Dichloroethane-d4

Concen: 51.354 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.00 min

Lab File: VX015947.D

Acq: 24 Apr 2020 21:37

Instrument :

MSVOA_X

ClientSampleId :

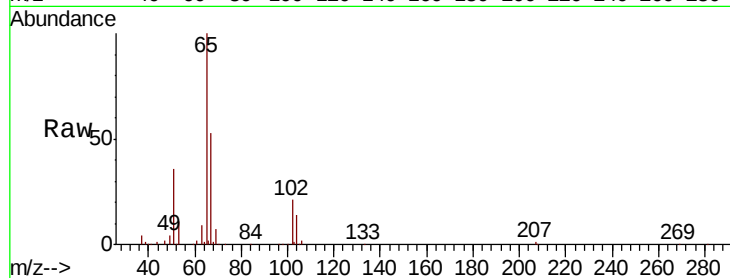
KY037MW090-200423

Tot Ion: 65 Resp: 95708

Ion Ratio Lower Upper

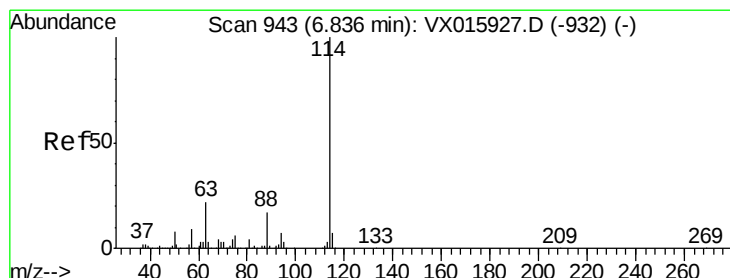
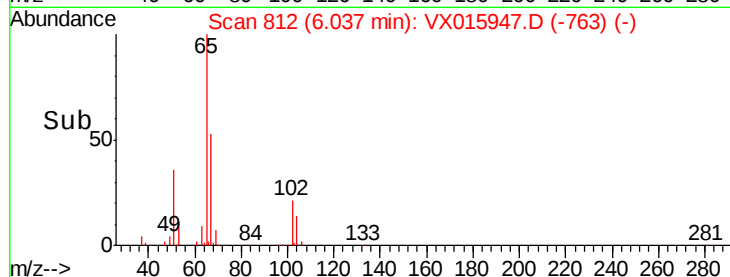
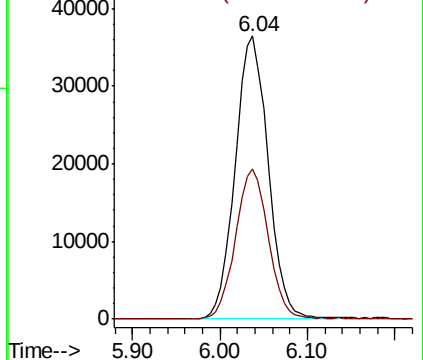
65 100

67 52.9 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: VX015947.D

Acq: 24 Apr 2020 21:37

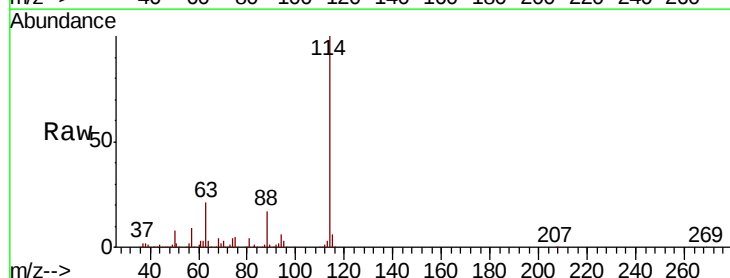
Tgt Ion: 114 Resp: 250508

Ion Ratio Lower Upper

114 100

63 20.9 0.0 44.4

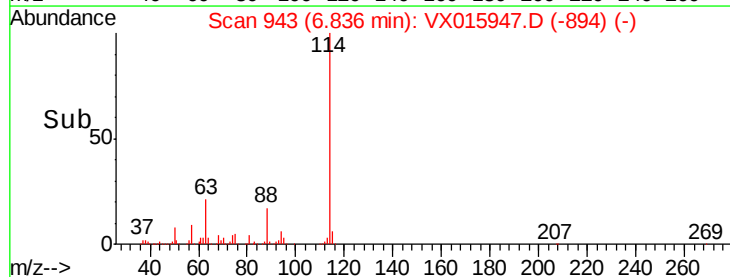
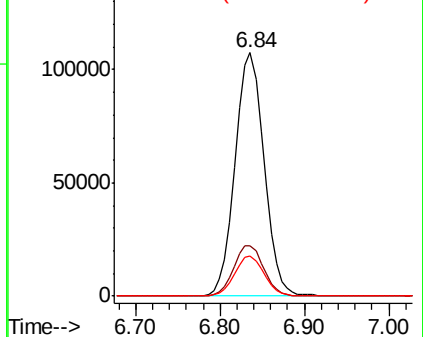
88 16.7 0.0 34.2

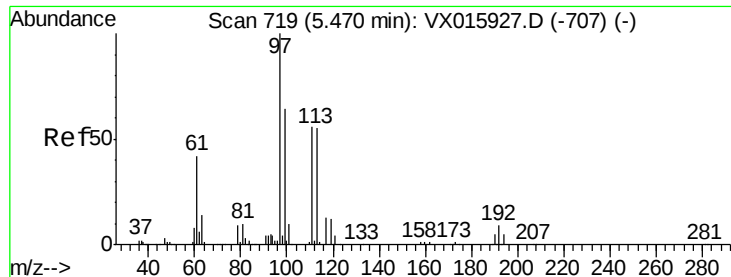


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

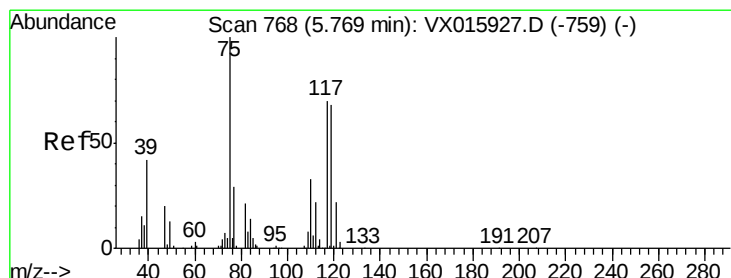
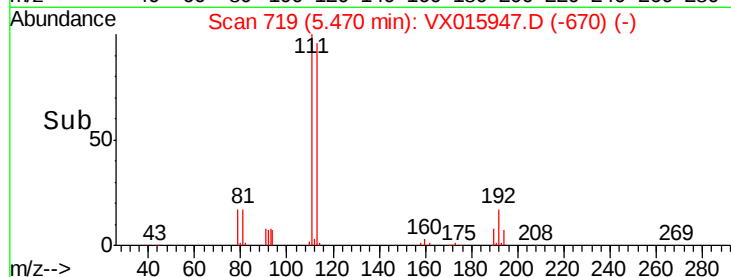
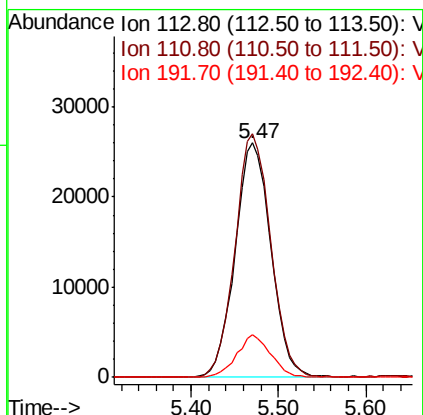
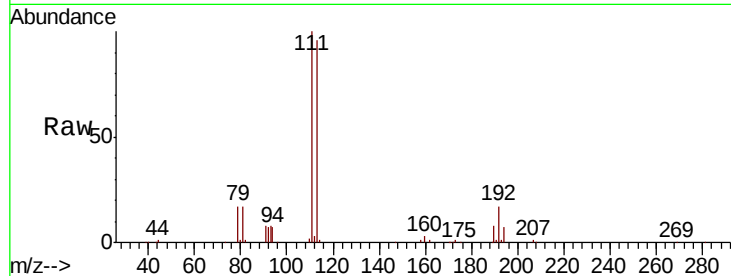




#35
 Dibromofluoromethane
 Concen: 54.193 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. 0.00 min
 Lab File: VX015947.D
 Acq: 24 Apr 2020 21:37

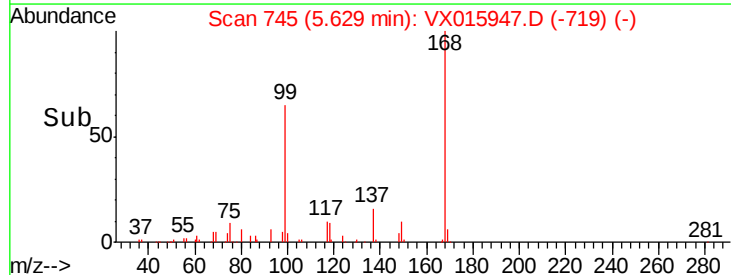
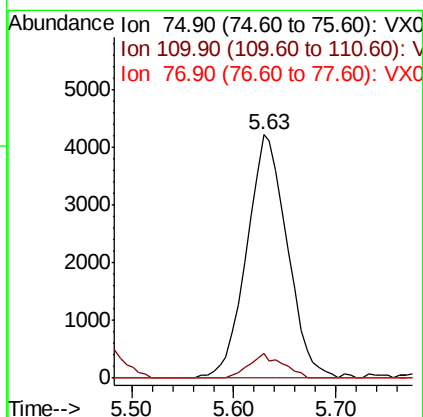
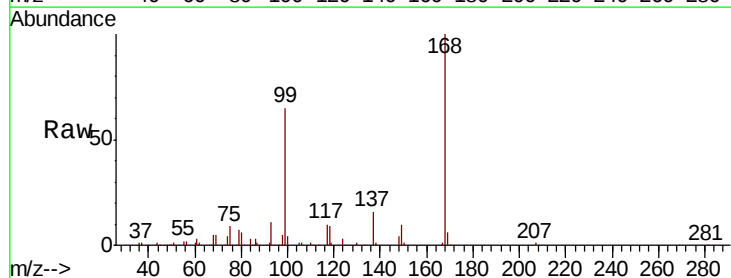
Instrument :
 MSVOA_X
 ClientSampleId :
 KY037MW090-200423

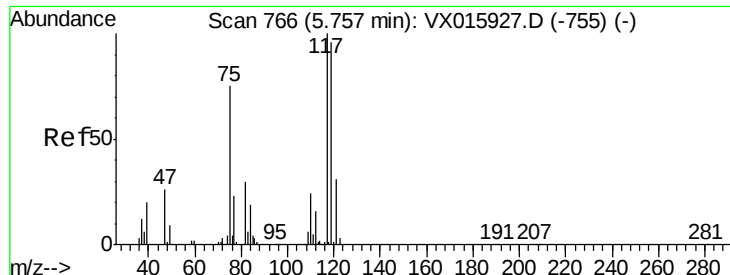
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.9	81.2	121.8
192	17.1	13.6	20.4



#36
 1,1-Dichloropropene
 Concen: 4.864 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX015947.D
 Acq: 24 Apr 2020 21:37

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.3	17.1	51.3#
77	0.0	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 6.475 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX015947.D

Acq: 24 Apr 2020 21:37

Instrument :

MSVOA_X

ClientSampleId :

KY037MW090-200423

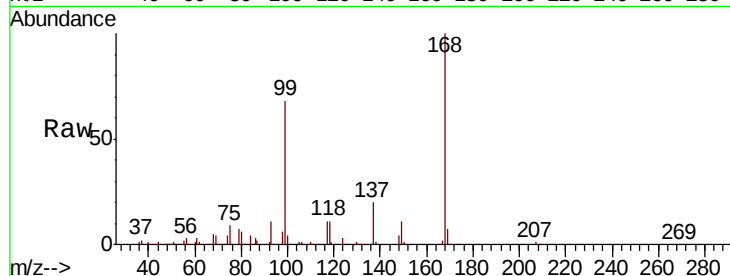
Tot Ion:117 Resp: 14146

Ion Ratio Lower Upper

117 100

119 6.0 77.0 115.6#

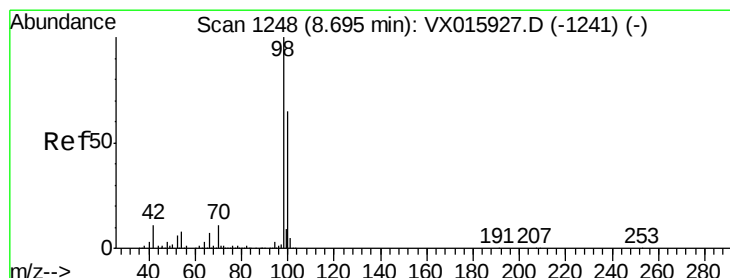
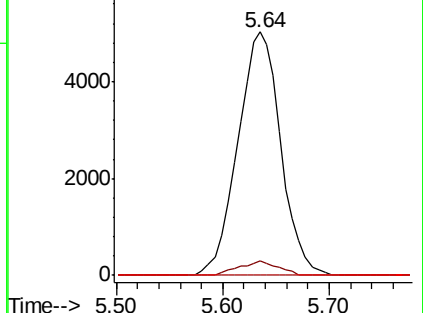
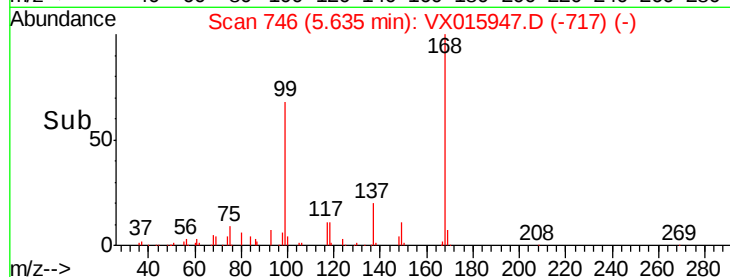
121 0.0 25.0 37.4#



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



#50

Toluene-d8

Concen: 54.608 ug/l

RT: 8.70 min Scan# 1249

Delta R.T. 0.01 min

Lab File: VX015947.D

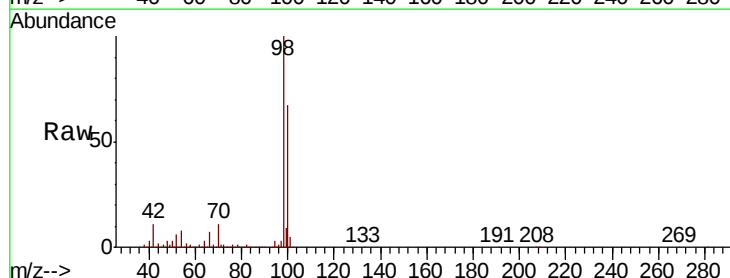
Acq: 24 Apr 2020 21:37

Tgt Ion: 98 Resp: 315863

Ion Ratio Lower Upper

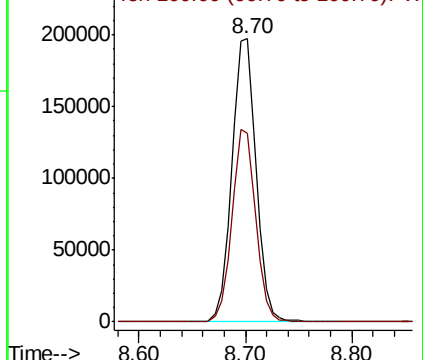
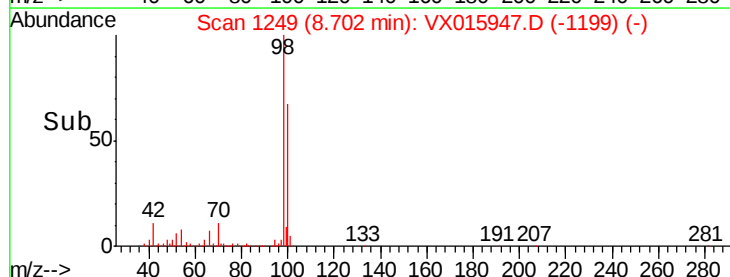
98 100

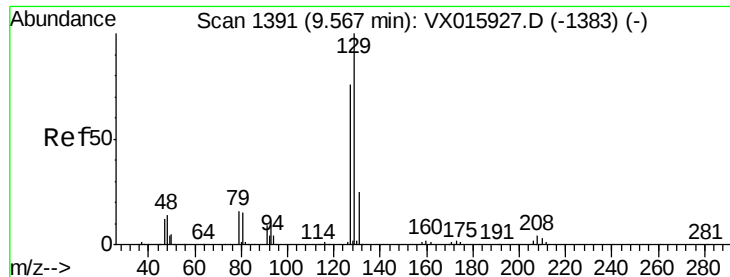
100 66.7 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#60

Dibromochloromethane

Concen: 0.329 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.25 min

Lab File: VX015947.D

Acq: 24 Apr 2020 21:37

Instrument :

MSVOA_X

ClientSampleId :

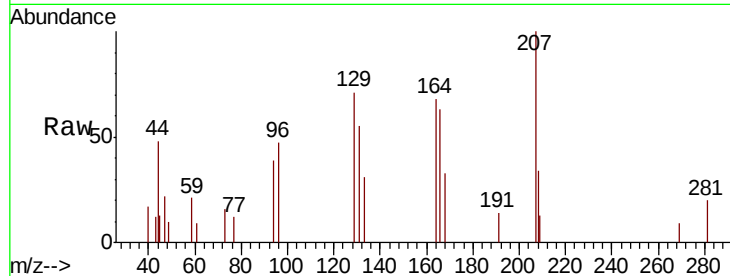
KY037MW090-200423

Tot Ion:129 Resp: 579

Ion Ratio Lower Upper

129 100

127 0.0 38.8 116.3#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.32

400

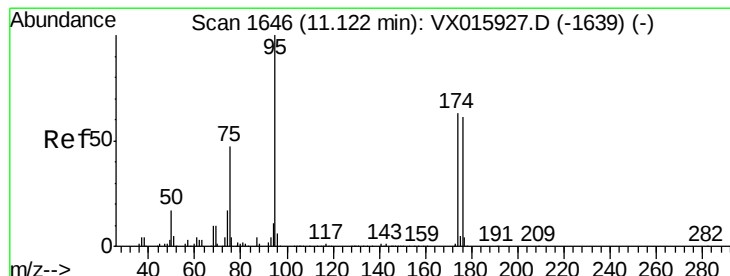
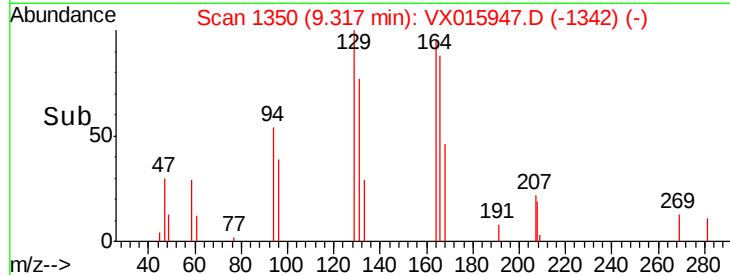
300

200

100

0

Time-->



#62

4-Bromofluorobenzene

Concen: 55.829 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX015947.D

Acq: 24 Apr 2020 21:37

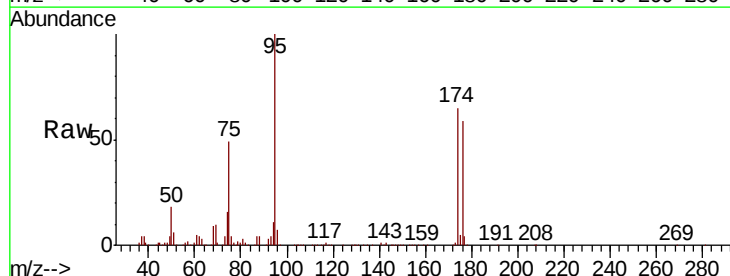
Tgt Ion: 95 Resp: 130980

Ion Ratio Lower Upper

95 100

174 65.9 0.0 133.6

176 62.0 0.0 126.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

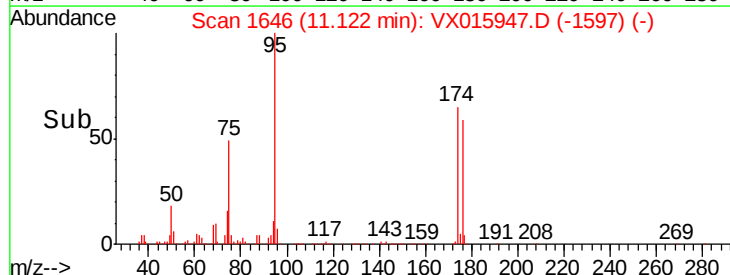
11.12

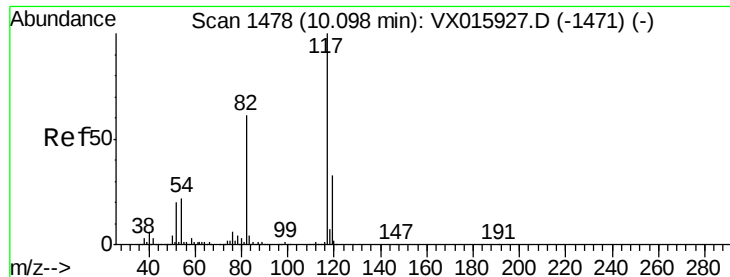
100000

50000

0

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. 0.00 min

Lab File: VX015947.D

Acq: 24 Apr 2020 21:37

Instrument :

MSVOA_X

ClientSampleId :

KY037MW090-200423

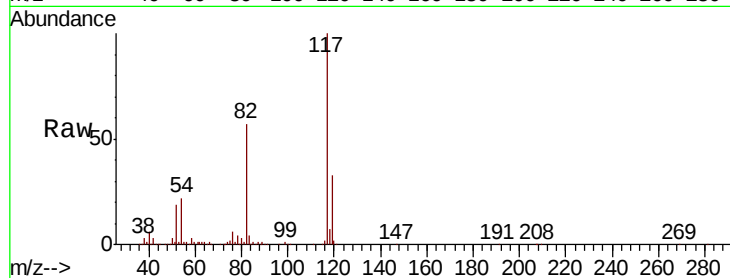
Tot Ion:117 Resp: 246729

Ion Ratio Lower Upper

117 100

82 57.4 48.5 72.7

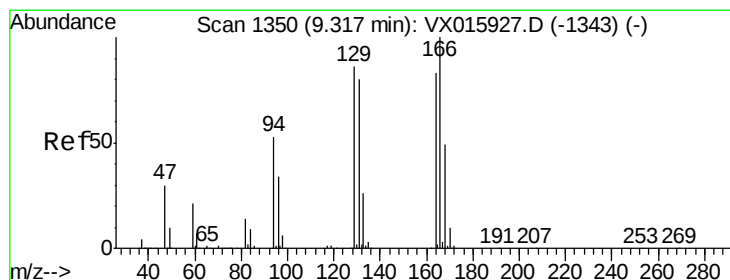
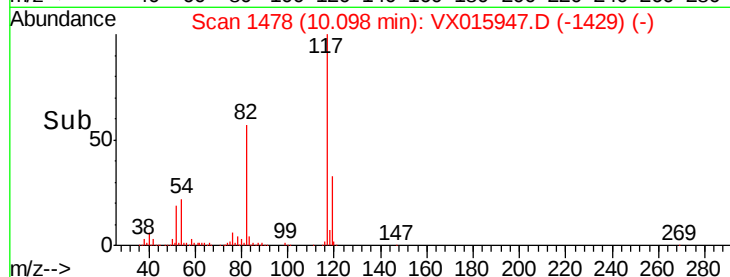
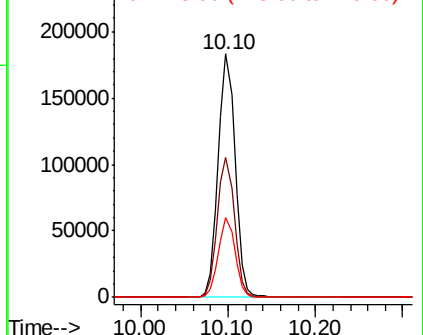
119 33.0 26.2 39.4



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



#64

Tetrachloroethene

Concen: 0.248 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. 0.00 min

Lab File: VX015947.D

Acq: 24 Apr 2020 21:37

Tgt Ion:164 Resp: 610

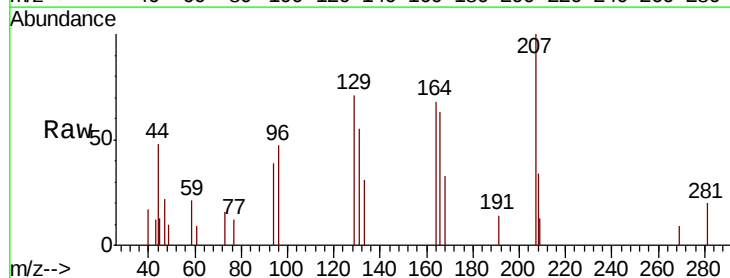
Ion Ratio Lower Upper

164 100

166 92.6 96.7 145.1#

129 105.2 82.8 124.2

131 80.8 77.0 115.4

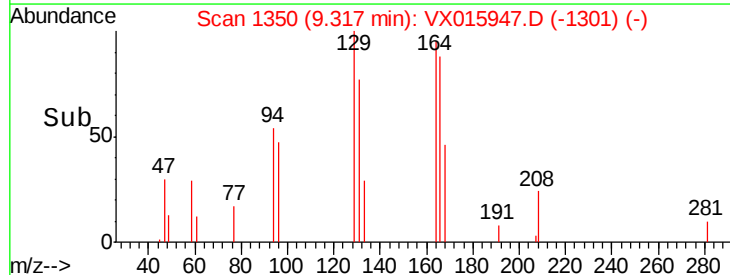
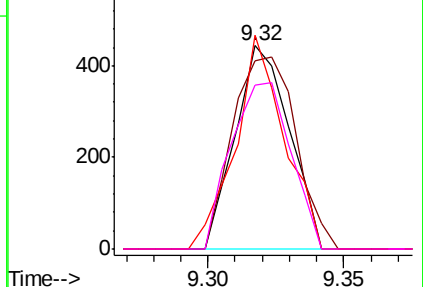


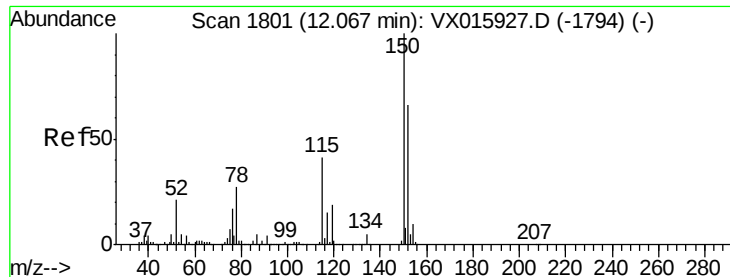
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.01 min

Lab File: VX015947.D

Acq: 24 Apr 2020 21:37

Instrument :

MSVOA_X

ClientSampleId :

KY037MW090-200423

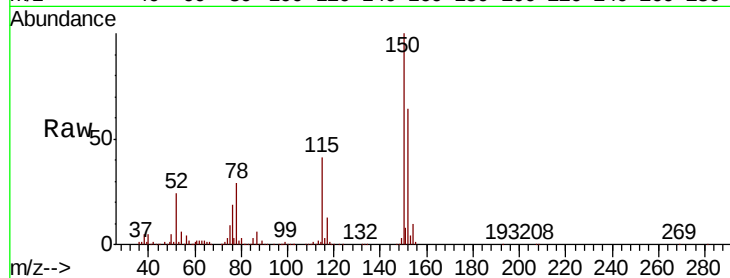
Tot Ion:152 Resp: 120080

Ion Ratio Lower Upper

152 100

115 64.3 44.1 132.4

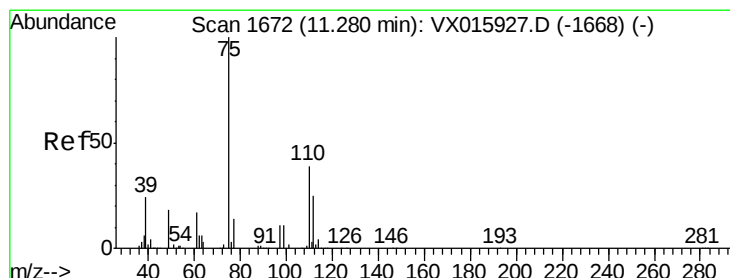
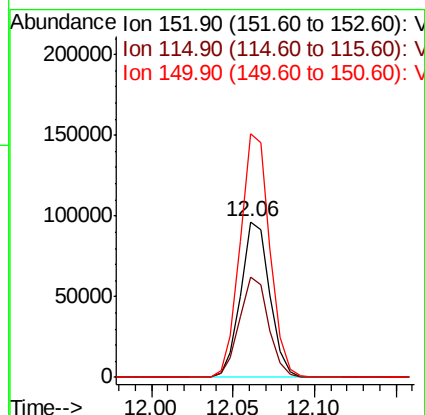
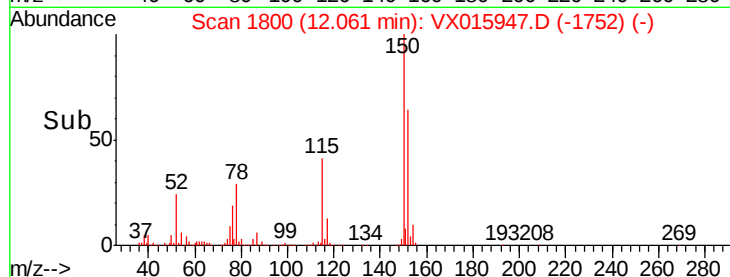
150 158.9 0.0 343.6



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: 24.964 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX015947.D

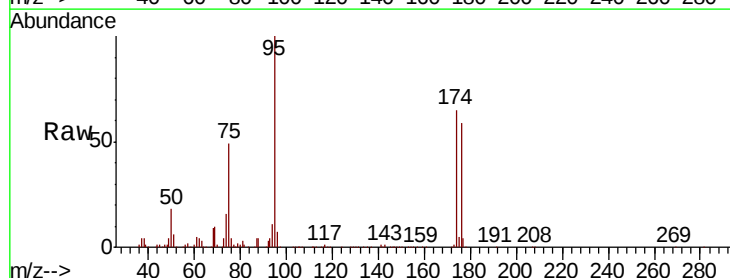
Acq: 24 Apr 2020 21:37

Tgt Ion: 75 Resp: 64303

Ion Ratio Lower Upper

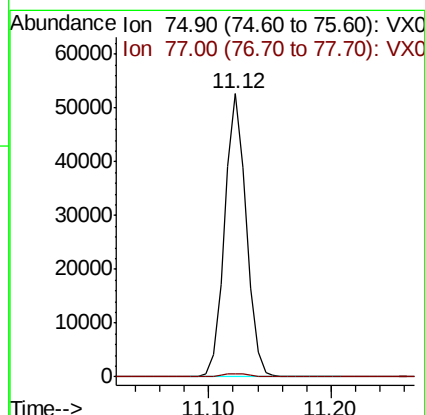
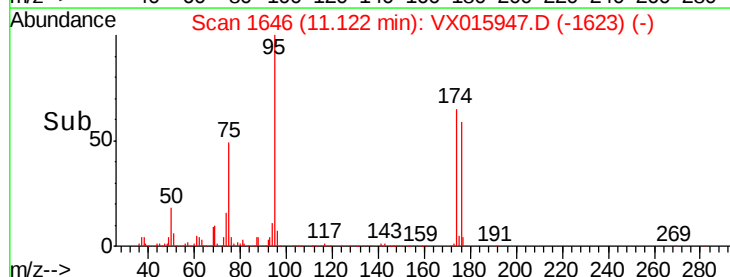
75 100

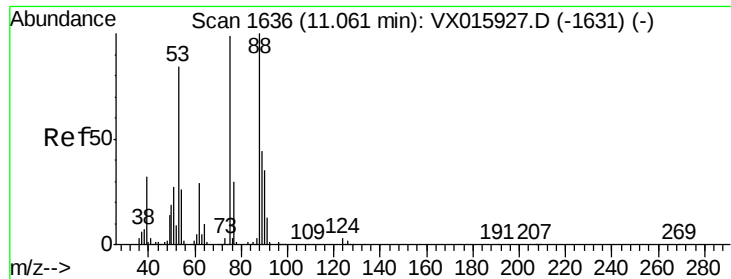
77 1.4 22.1 66.5#



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: 56.235 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX015947.D

Acq: 24 Apr 2020 21:37

Instrument :

MSVOA_X

ClientSampleId :

KY037MW090-200423

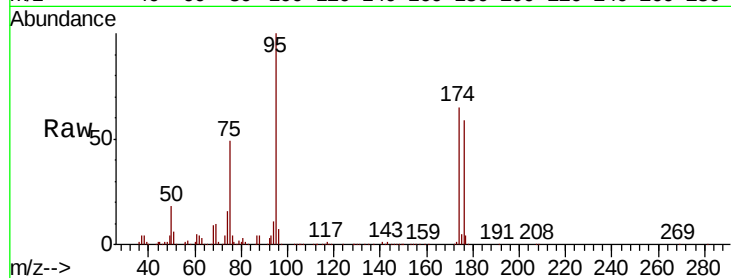
Tot Ion: 75 Resp: 64303

Ion Ratio Lower Upper

75 100

53 0.0 69.7 104.5#

89 0.1 36.3 54.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

