

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042420\
 Data File : VX015952.D
 Acq On : 24 Apr 2020 23:30
 Operator : JC/SP
 Sample : PB125456TB
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB125456TB

Quant Time: Apr 25 06:56:14 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	133199	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	253166	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	252003	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	118990	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	95660	50.86	ug/l	0.00
Spiked Amount			Recovery	=	101.72%	
35) Dibromofluoromethane	5.47	113	73468	53.21	ug/l	0.00
Spiked Amount			Recovery	=	106.42%	
50) Toluene-d8	8.70	98	319004	54.57	ug/l	0.00
Spiked Amount			Recovery	=	109.14%	
62) 4-Bromofluorobenzene	11.12	95	132707	55.97	ug/l	0.00
Spiked Amount			Recovery	=	111.94%	

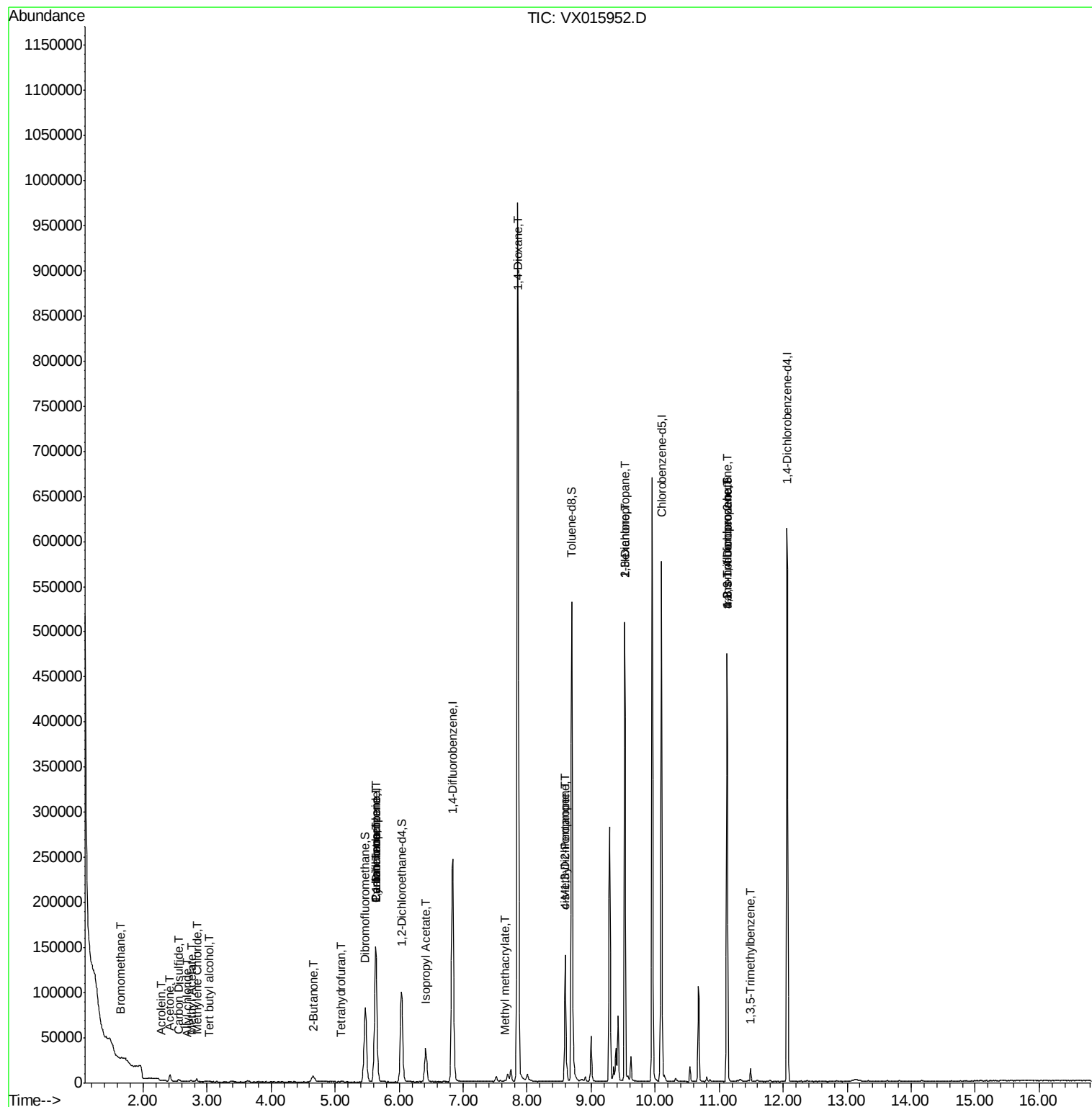
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	194	0.279	ug/l #	18
11) Tert butyl alcohol	3.03	59	238	0.589	ug/l #	72
13) Acrolein	2.28	56	160	0.638	ug/l #	31
14) Allyl chloride	2.70	41	607	0.228	ug/l #	25
16) Acetone	2.42	43	7369	10.446	ug/l	98
17) Carbon Disulfide	2.55	76	2787	0.373	ug/l	98
18) Methyl Acetate	2.75	43	1939	0.909	ug/l	97
20) Methylene Chloride	2.84	84	1460	0.837	ug/l	97
25) 2-Butanone	4.65	43	2150	1.872	ug/l	95
29) Tetrahydrofuran	5.09	42	179	0.237	ug/l #	38
31) Cyclohexane	5.64	56	3068	1.088	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	12145	5.027	ug/l #	49
38) Carbon Tetrachloride	5.64	117	14144	6.406	ug/l #	16
43) Isopropyl Acetate	6.42	43	50315	12.636	ug/l	100
48) Methyl methacrylate	7.65	41	2520	1.287	ug/l #	12
49) 1,4-Dioxane	7.85	88	130	2.985	ug/l #	1
51) 4-Methyl-2-Pentanone	8.60	43	49342	21.138	ug/l #	48
54) cis-1,3-Dichloropropene	8.60	75	24370	7.857	ug/l #	57
57) 1,3-Dichloropropane	9.52	76	4295	1.401	ug/l #	44
59) 2-Hexanone	9.52	43	54332	30.653	ug/l #	47
76) 1,2,3-Trichloropropane	11.12	75	65723	25.749	ug/l #	34
80) 1,3,5-Trimethylbenzene	11.49	105	5800	0.771	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.12	75	65723	58.003	ug/l #	14

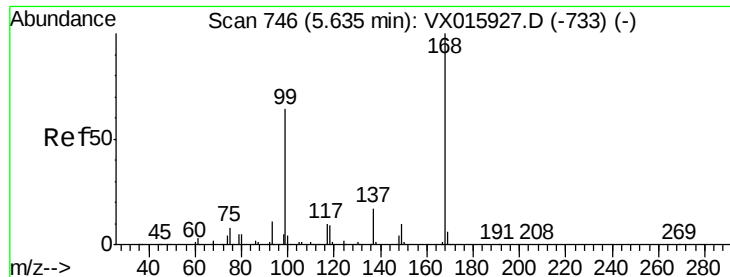
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX042420\
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Instrument :
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Quant Time: Apr 25 06:56:14 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: 5.64 min Scan# 746

Delta R.T. 0.00 min

Lab File: VX015952.D

Acq: 24 Apr 2020 23:30

Instrument :

MSVOA_X

ClientSampleId :

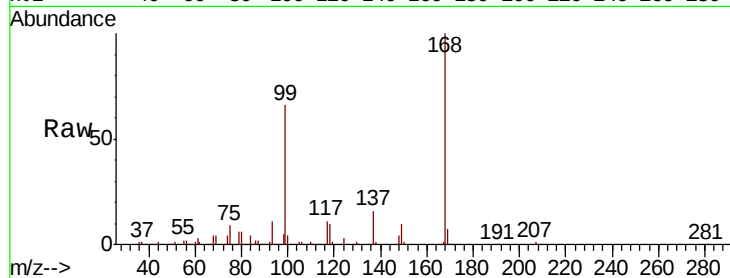
PB125456TB

Tot Ion:168 Resp: 133199

Ion Ratio Lower Upper

168 100

99 66.4 51.2 76.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

40000

30000

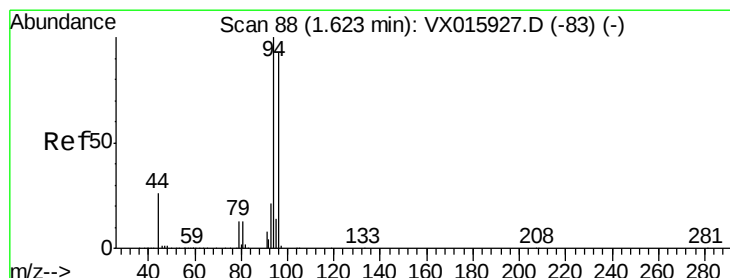
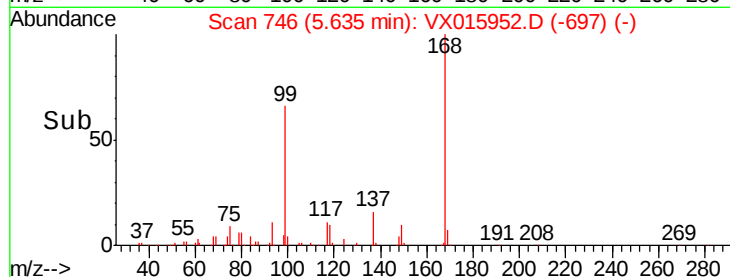
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.279 ug/l

RT: 1.65 min Scan# 92

Delta R.T. 0.02 min

Lab File: VX015952.D

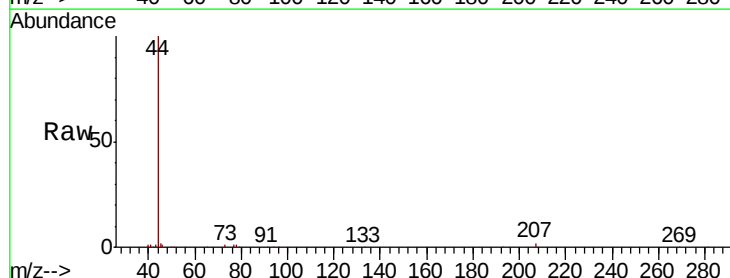
Acq: 24 Apr 2020 23:30

Tgt Ion: 94 Resp: 194

Ion Ratio Lower Upper

94 100

96 14.1 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

200

150

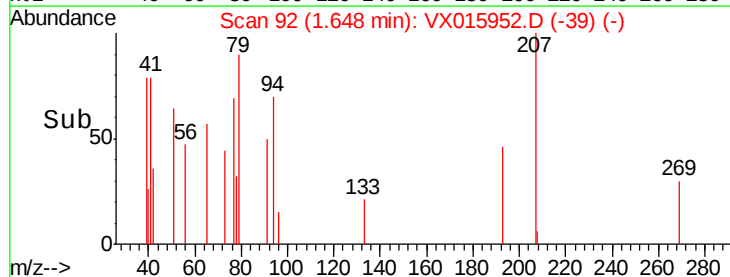
100

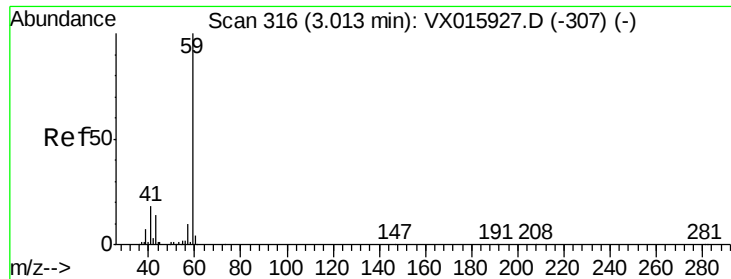
50

0

Time-->

1.60 1.65



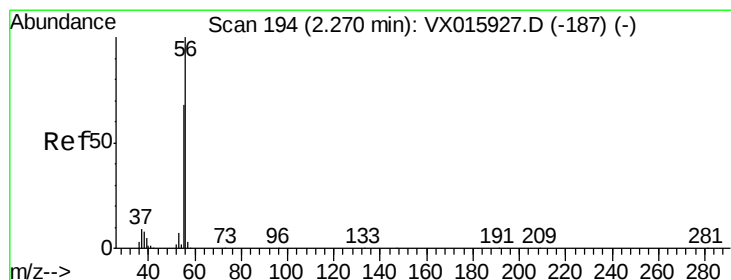
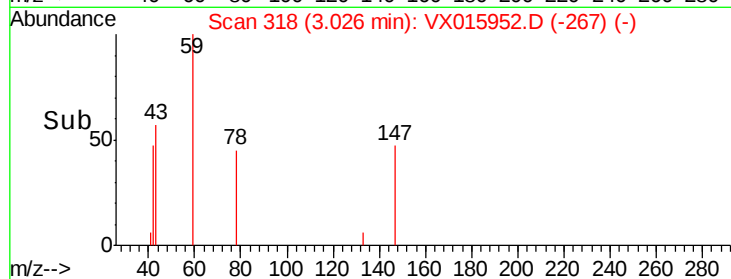
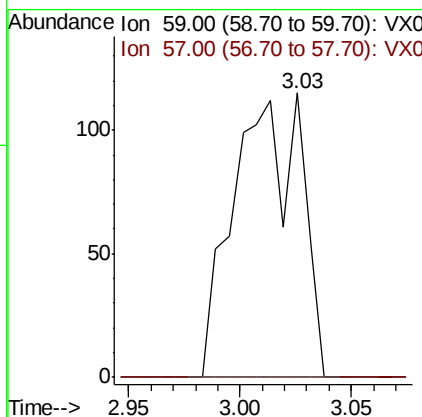
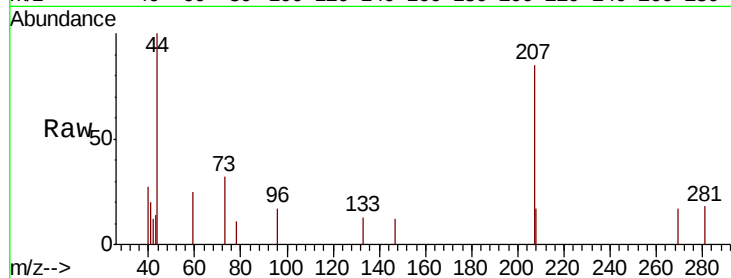


#11

Tert butvl alcohol
 Concen: 0.589 ug/l
 RT: 3.03 min Scan# 318
 Delta R.T. 0.01 min
 Lab File: VX015952.D
 Acq: 24 Apr 2020 23:30

Instrument :
 MSVOA_X
 ClientSampled :
 PB125456TB

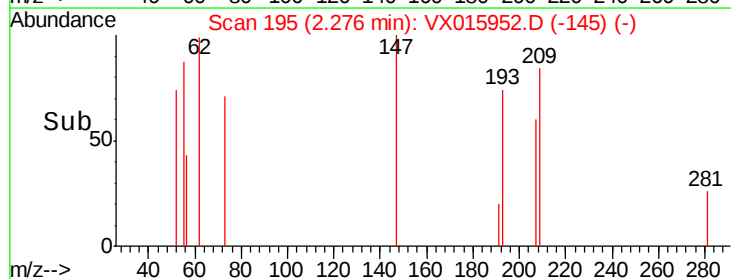
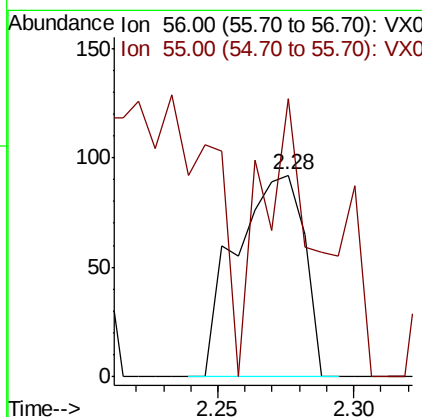
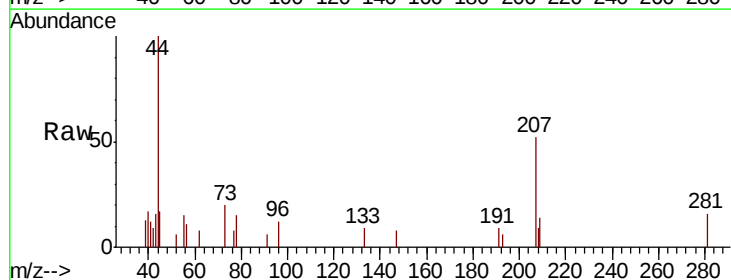
Tot Ion: 59 Resp: 238
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#

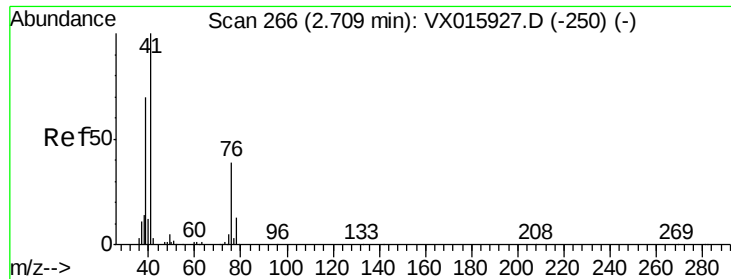


#13

Acrolein
 Concen: 0.638 ug/l
 RT: 2.28 min Scan# 195
 Delta R.T. 0.01 min
 Lab File: VX015952.D
 Acq: 24 Apr 2020 23:30

Tgt Ion: 56 Resp: 160
 Ion Ratio Lower Upper
 56 100
 55 126.3 56.0 84.0#

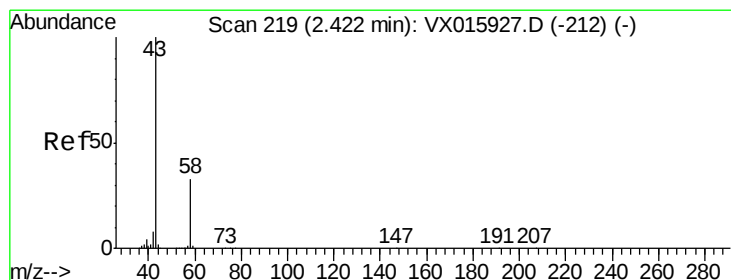
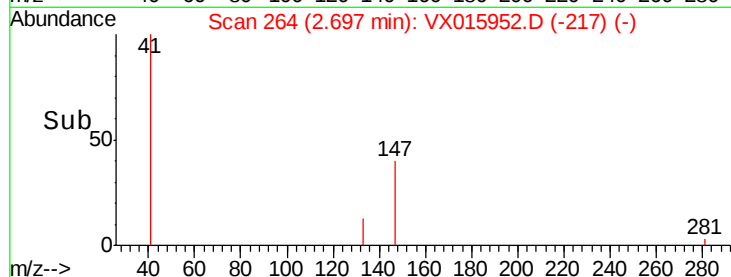
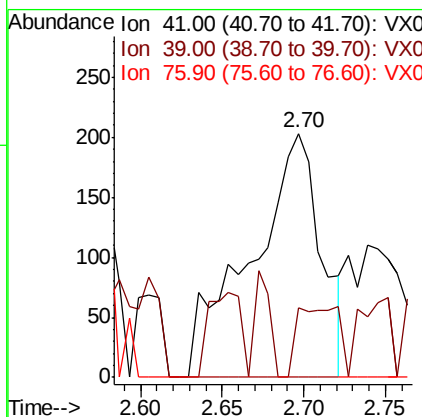
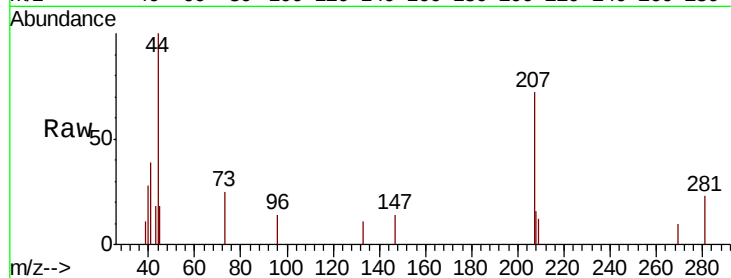




#14
Allvl chloride
Concen: 0.228 ug/l
RT: 2.70 min Scan# 264
Delta R.T. -0.01 min
Lab File: VX015952.D
Acq: 24 Apr 2020 23:30

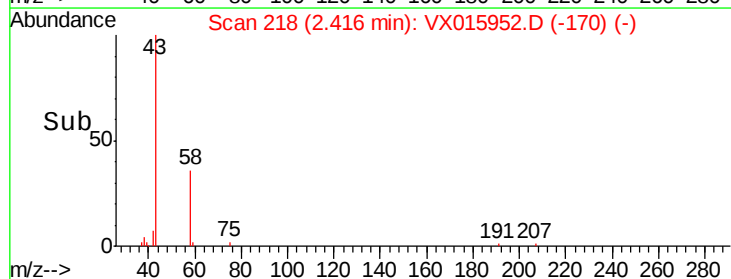
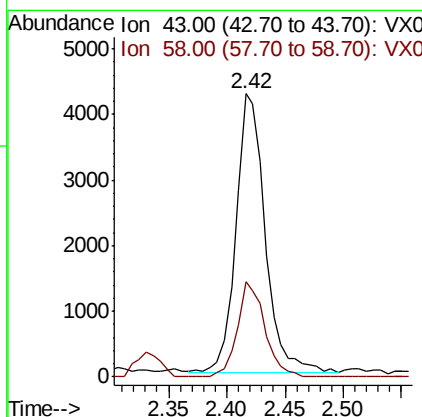
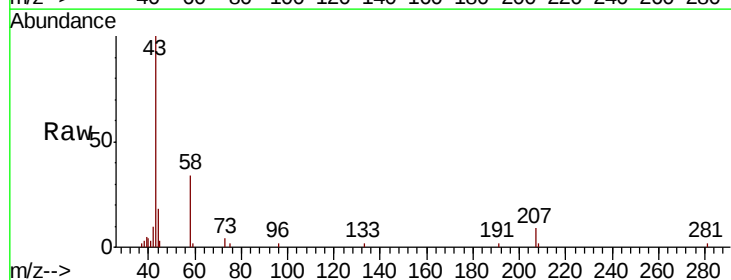
Instrument :
MSVOA_X
ClientSampled :
PB125456TB

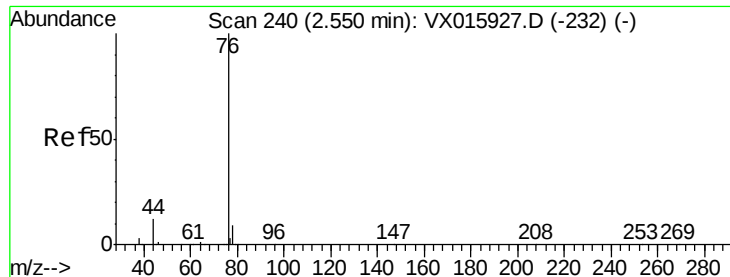
Tot Ion: 41 Resp: 607
Ion Ratio Lower Upper
41 100
39 0.0 51.6 77.4#
76 0.0 29.3 43.9#



#16
Acetone
Concen: 10.446 ug/l
RT: 2.42 min Scan# 218
Delta R.T. -0.01 min
Lab File: VX015952.D
Acq: 24 Apr 2020 23:30

Tgt Ion: 43 Resp: 7369
Ion Ratio Lower Upper
43 100
58 34.2 26.4 39.6





#17

Carbon Disulfide

Concen: 0.373 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX015952.D

Acq: 24 Apr 2020 23:30

Instrument :

MSVOA_X

ClientSampleId :

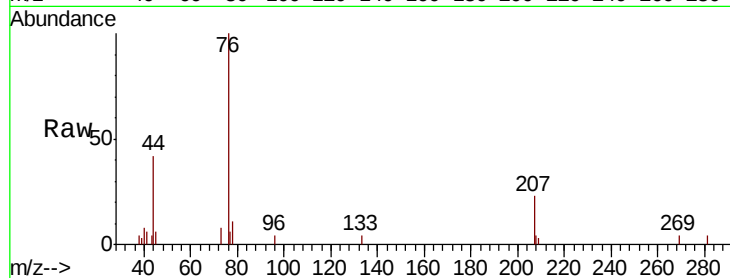
PB125456TB

Tot Ion: 76 Resp: 2787

Ion Ratio Lower Upper

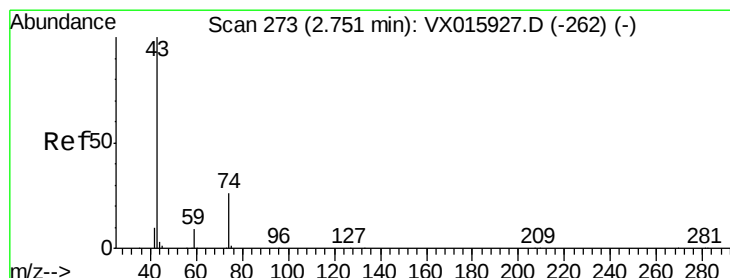
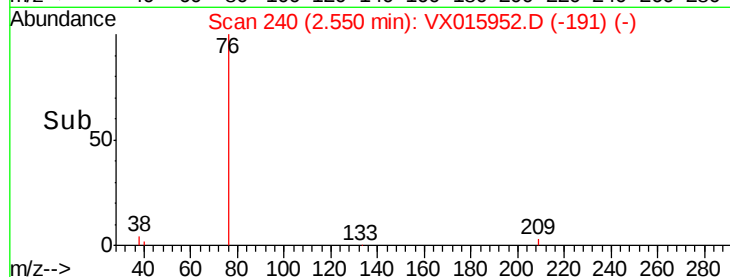
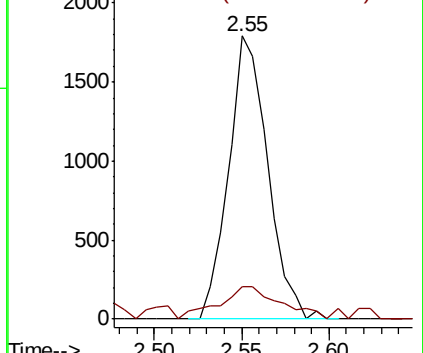
76 100

78 8.5 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 0.909 ug/l

RT: 2.75 min Scan# 273

Delta R.T. 0.00 min

Lab File: VX015952.D

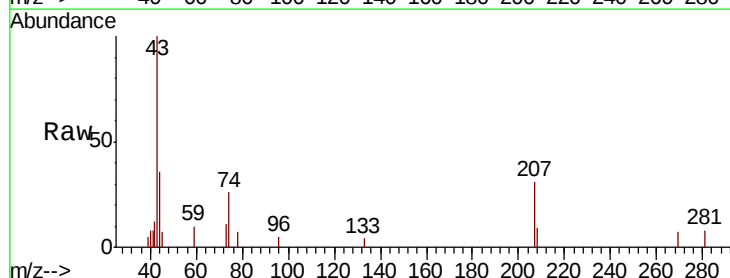
Acq: 24 Apr 2020 23:30

Tgt Ion: 43 Resp: 1939

Ion Ratio Lower Upper

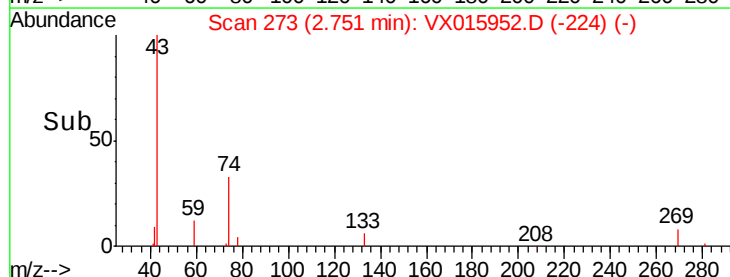
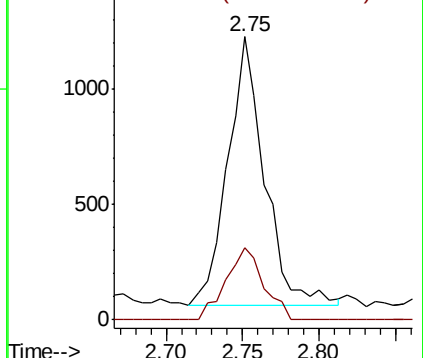
43 100

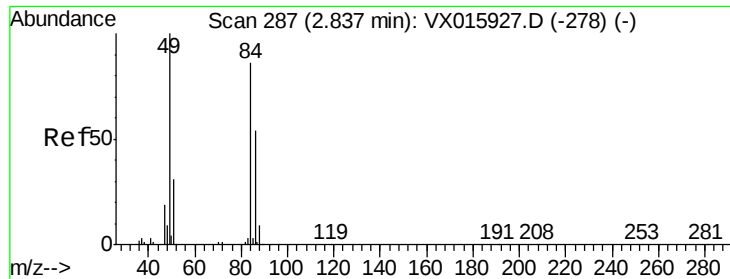
74 27.7 21.0 31.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

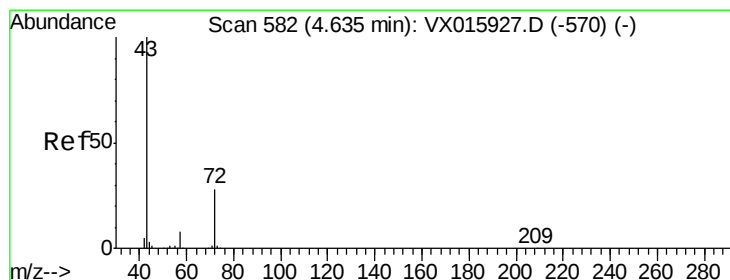
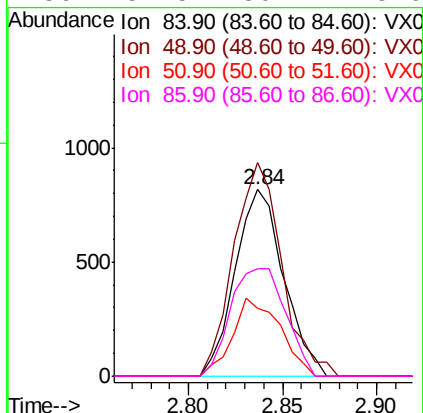
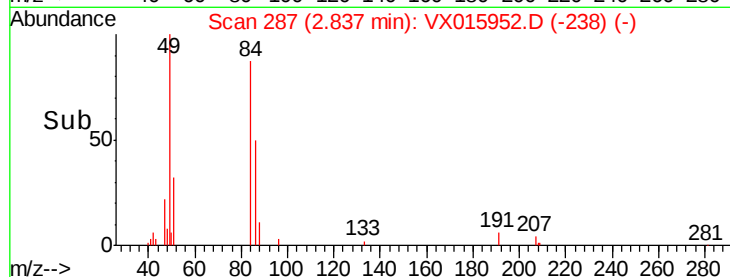
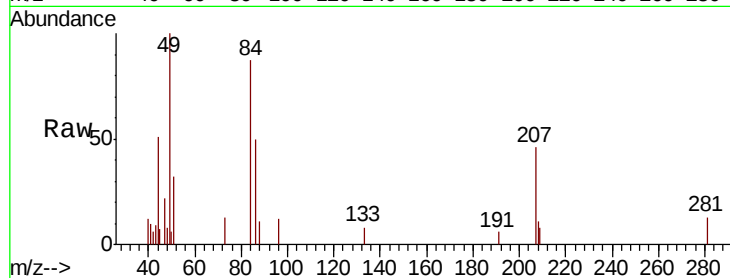




#20
Methvlene Chloride
Concen: 0.837 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX015952.D
Acq: 24 Apr 2020 23:30

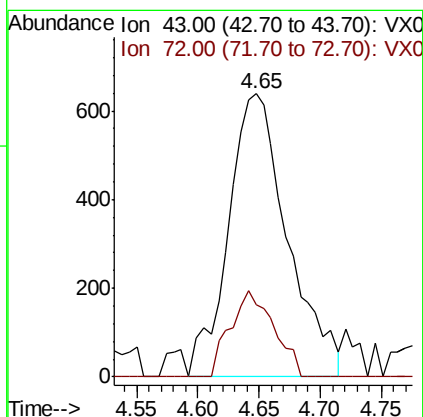
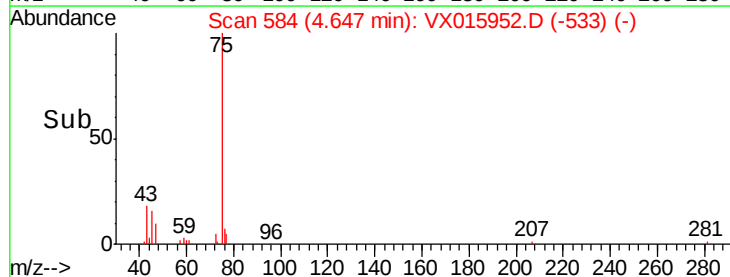
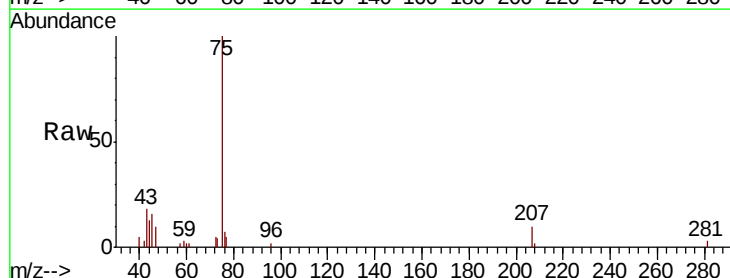
Instrument :
MSVOA_X
ClientSampled :
PB125456TB

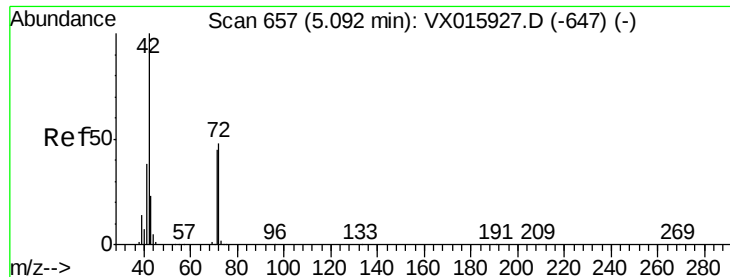
Tot Ion: 84 Resp: 1460
Ion Ratio Lower Upper
84 100
49 114.6 93.0 139.6
51 36.2 28.6 43.0
86 57.5 50.4 75.6



#25
2-Butanone
Concen: 1.872 ug/l
RT: 4.65 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX015952.D
Acq: 24 Apr 2020 23:30

Tgt Ion: 43 Resp: 2150
Ion Ratio Lower Upper
43 100
72 25.4 22.4 33.6





#29

Tetrahydrofuran

Concen: 0.237 ug/l

RT: 5.09 min Scan# 657

Delta R.T. 0.00 min

Lab File: VX015952.D

Acq: 24 Apr 2020 23:30

Instrument :

MSVOA_X

ClientSampleId :

PB125456TB

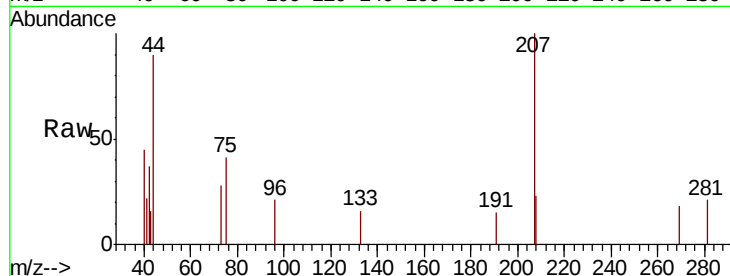
Tot Ion: 42 Resp: 179

Ion Ratio Lower Upper

42 100

72 0.0 39.5 59.3#

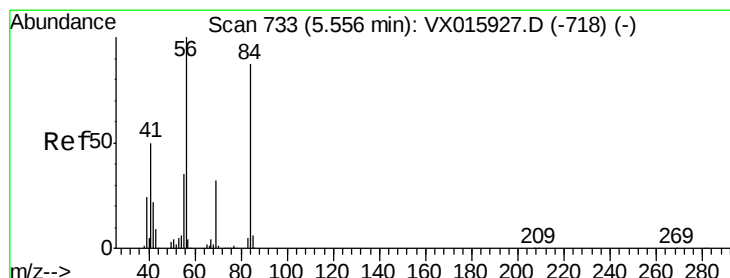
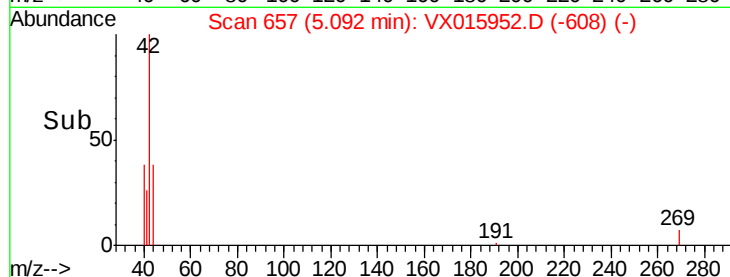
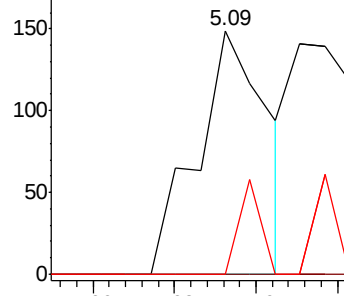
71 11.7 36.4 54.6#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#31

Cyclohexane

Concen: 1.088 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.08 min

Lab File: VX015952.D

Acq: 24 Apr 2020 23:30

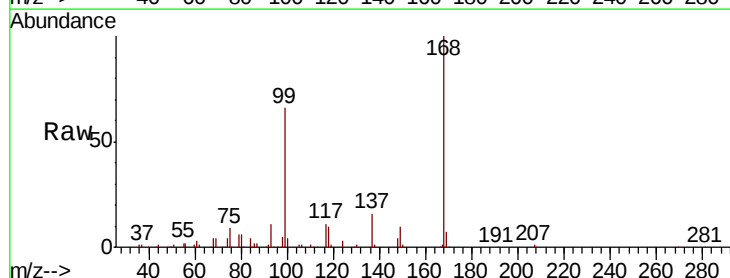
Tgt Ion: 56 Resp: 3068

Ion Ratio Lower Upper

56 100

69 187.0 25.4 38.0#

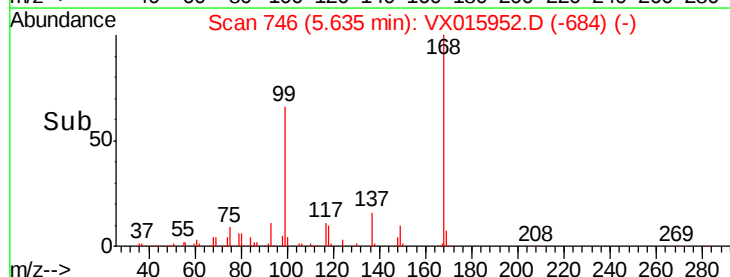
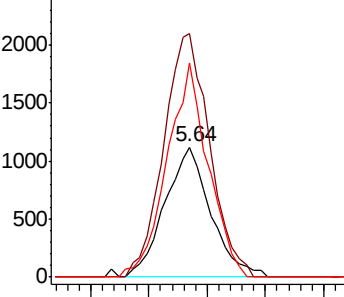
84 164.1 69.5 104.3#

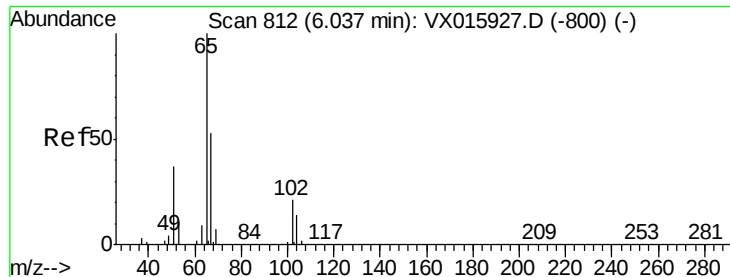


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

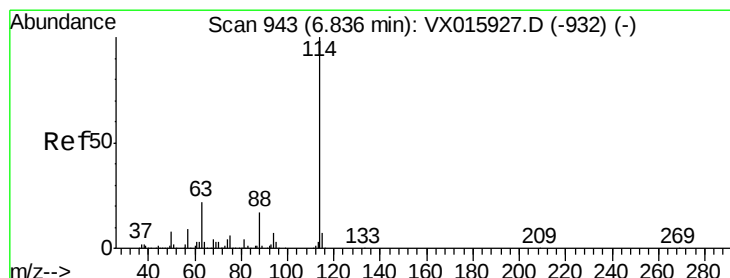
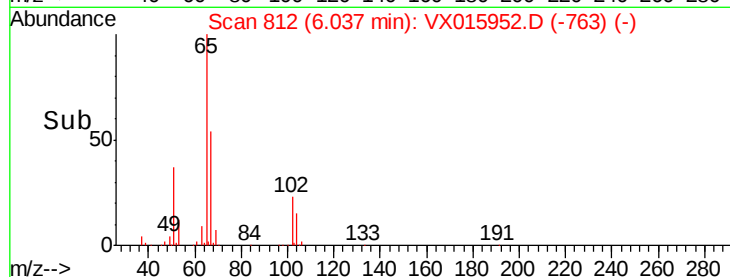
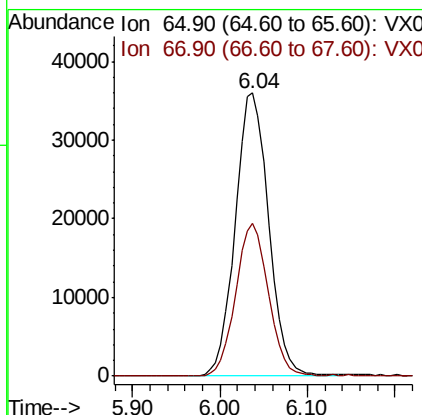
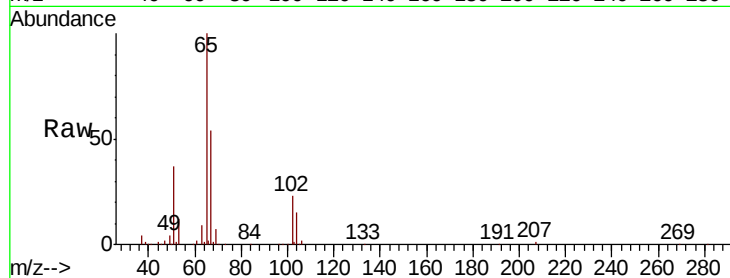




#33
 1,2-Dichloroethane-d4
 Concen: 50.862 ug/l
 RT: 6.04 min Scan# 812
 Delta R.T. 0.00 min
 Lab File: VX015952.D
 Acq: 24 Apr 2020 23:30

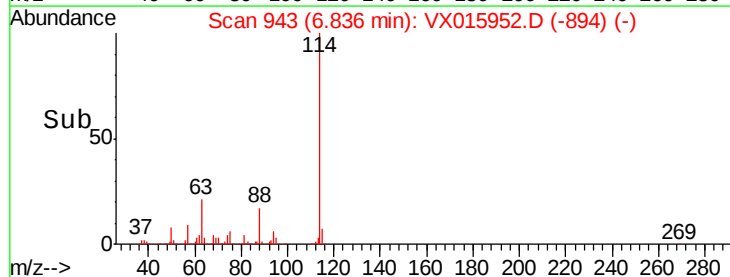
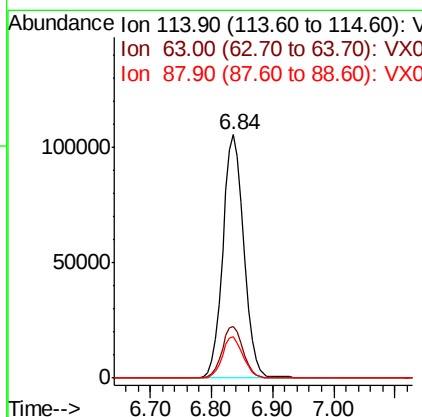
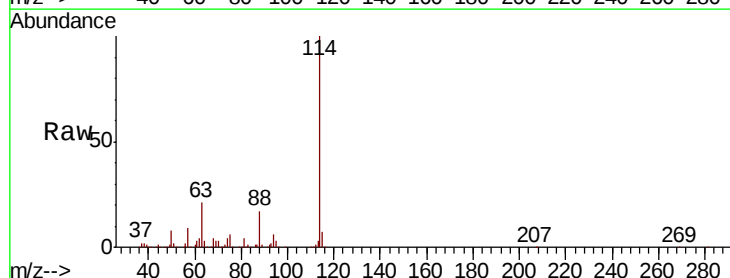
Instrument :
 MSVOA_X
 ClientSampleId :
 PB125456TB

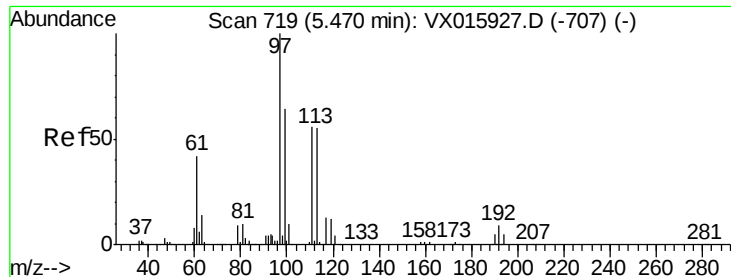
Tot Ion: 65 Resp: 95660
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 943
 Delta R.T. 0.00 min
 Lab File: VX015952.D
 Acq: 24 Apr 2020 23:30

Tgt Ion: 114 Resp: 253166
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 44.4
 88 16.9 0.0 34.2

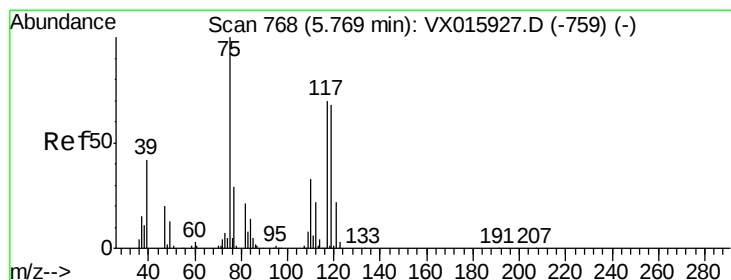
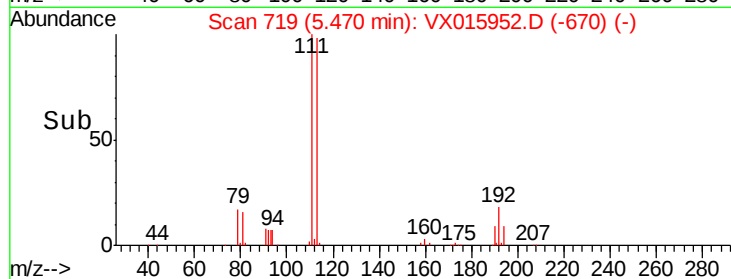
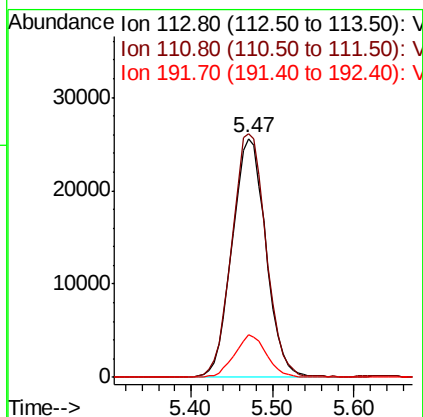
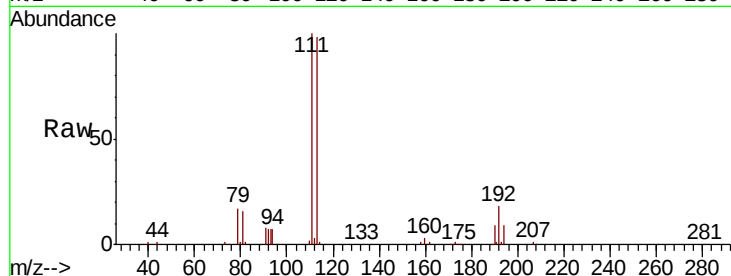




#35
Dibromofluoromethane
Concen: 53.209 ug/l
RT: 5.47 min Scan# 719
Delta R.T. 0.00 min
Lab File: VX015952.D
Acq: 24 Apr 2020 23:30

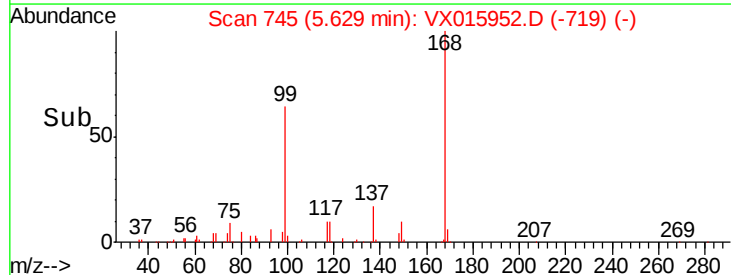
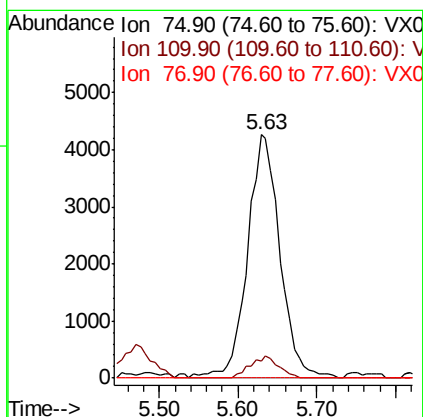
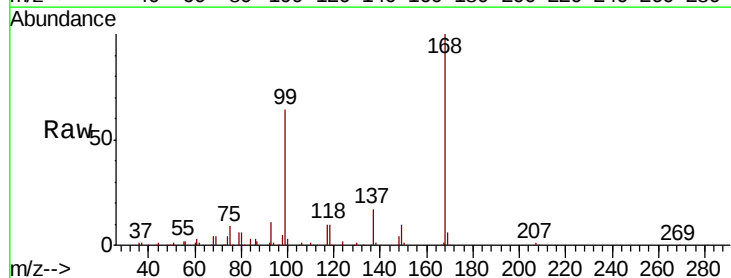
Instrument :
MSVOA_X
ClientSampleId :
PB125456TB

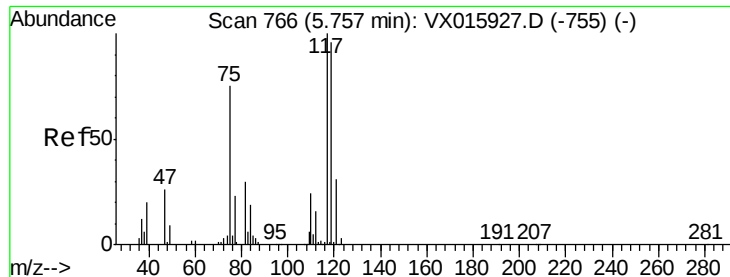
Tot Ion:113 Resp: 73468
Ion Ratio Lower Upper
113 100
111 103.0 81.2 121.8
192 16.9 13.6 20.4



#36
1,1-Dichloropropene
Concen: 5.027 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.14 min
Lab File: VX015952.D
Acq: 24 Apr 2020 23:30

Tgt Ion: 75 Resp: 12145
Ion Ratio Lower Upper
75 100
110 7.9 17.1 51.3#
77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.406 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX015952.D

Acq: 24 Apr 2020 23:30

Instrument :

MSVOA_X

ClientSampleId :

PB125456TB

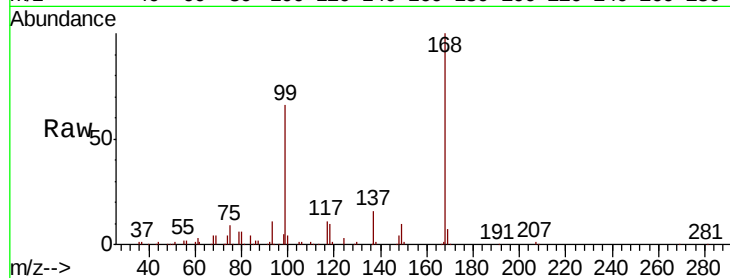
Tot Ion:117 Resp: 14144

Ion Ratio Lower Upper

117 100

119 6.0 77.0 115.6#

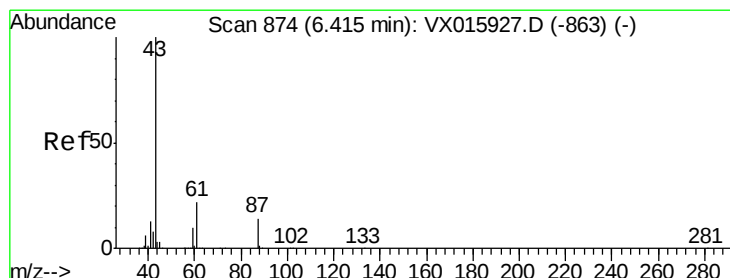
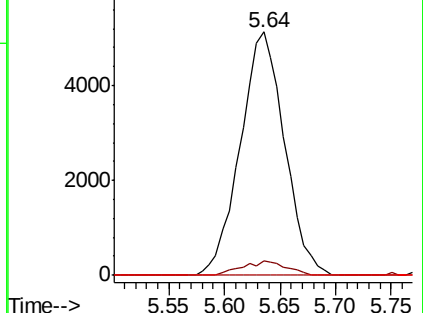
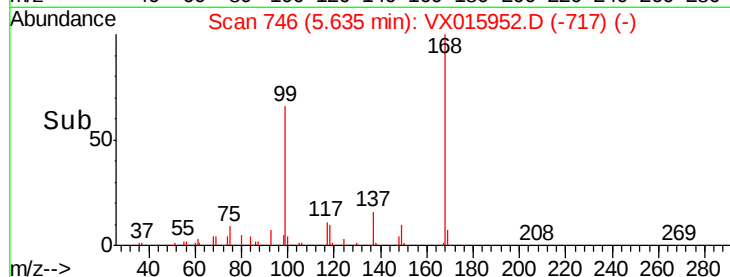
121 0.0 25.0 37.4#



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



#43

Isopropyl Acetate

Concen: 12.636 ug/l

RT: 6.42 min Scan# 874

Delta R.T. 0.00 min

Lab File: VX015952.D

Acq: 24 Apr 2020 23:30

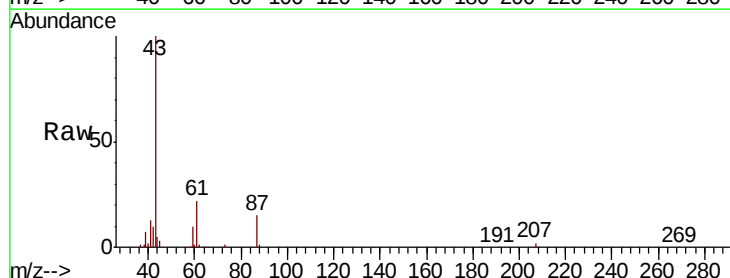
Tgt Ion: 43 Resp: 50315

Ion Ratio Lower Upper

43 100

61 22.2 17.6 26.4

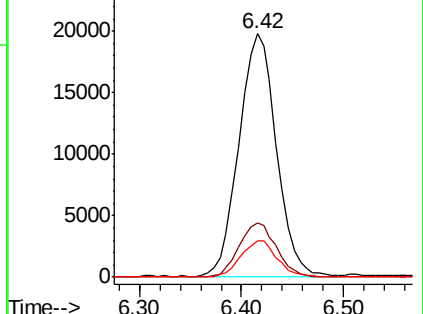
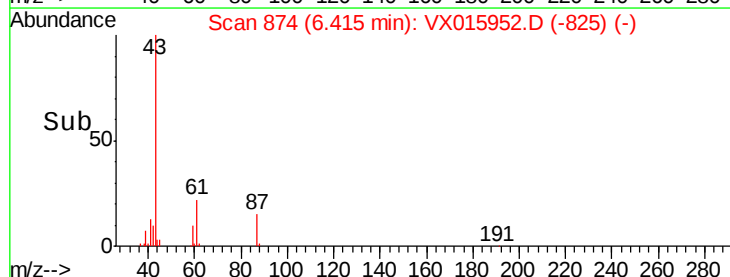
87 14.5 11.6 17.4

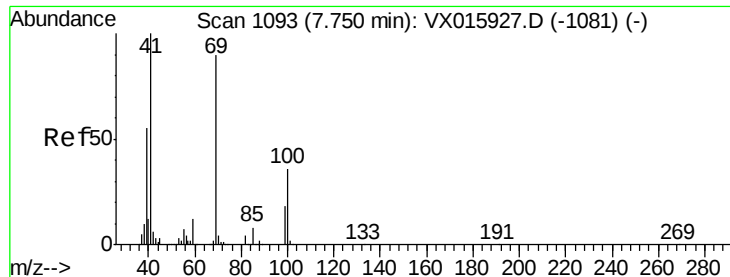


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#48

Methyl methacrylate

Concen: 1.287 ug/l

RT: 7.65 min Scan# 1077

Delta R.T. -0.10 min

Lab File: VX015952.D

Acq: 24 Apr 2020 23:30

Instrument :

MSVOA_X

ClientSampleId :

PB125456TB

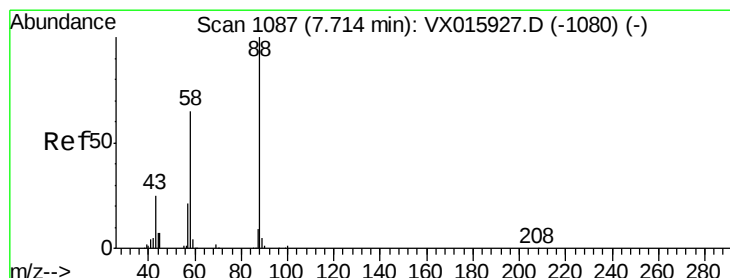
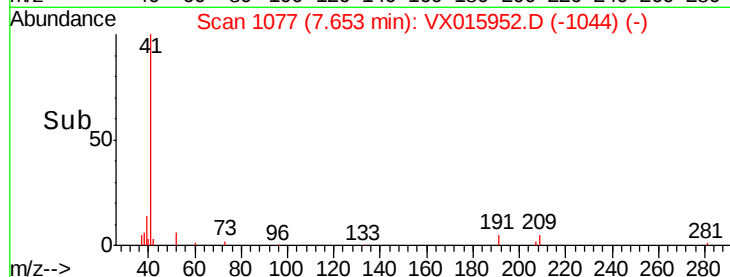
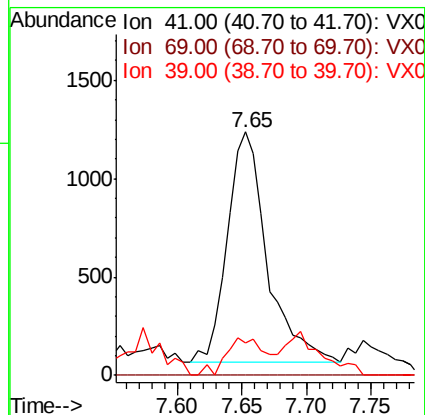
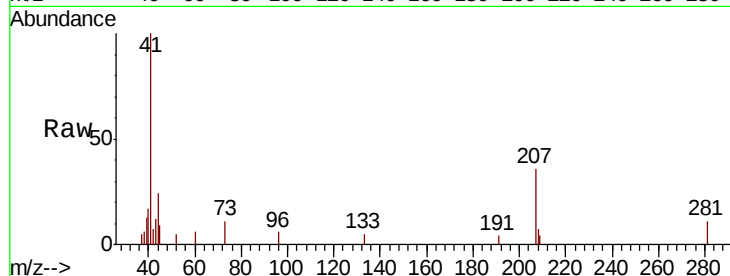
Tot Ion: 41 Resp: 2520

Ion Ratio Lower Upper

41 100

69 0.0 72.0 108.0#

39 0.0 44.1 66.1#



#49

1,4-Dioxane

Concen: 2.985 ug/l

RT: 7.85 min Scan# 1110

Delta R.T. 0.14 min

Lab File: VX015952.D

Acq: 24 Apr 2020 23:30

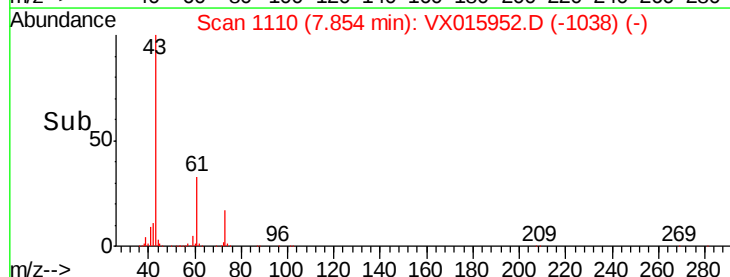
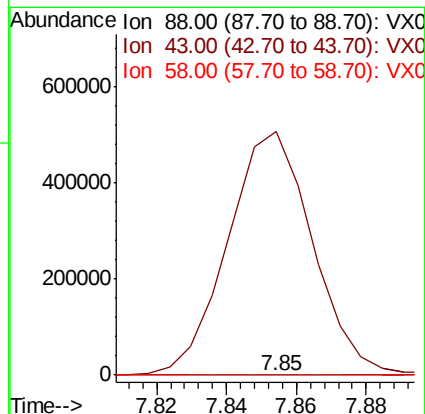
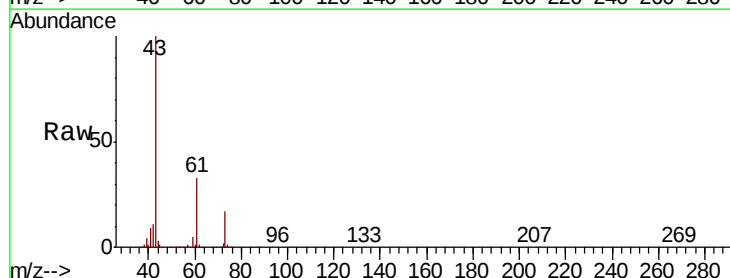
Tgt Ion: 88 Resp: 130

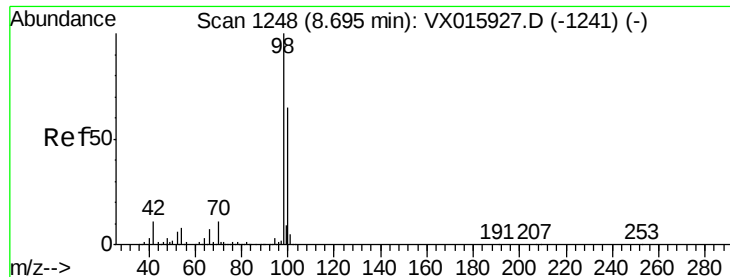
Ion Ratio Lower Upper

88 100

43 665910.0 23.8 35.8#

58 2809.2 55.7 83.5#





#50

Toluene-d8

Concen: 54.572 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX015952.D

Acq: 24 Apr 2020 23:30

Instrument :

MSVOA_X

ClientSampleId :

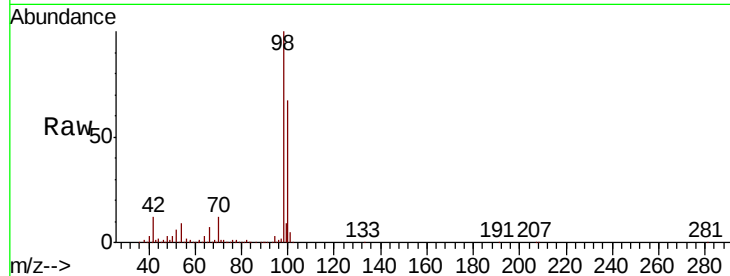
PB125456TB

Tot Ion: 98 Resp: 319004

Ion Ratio Lower Upper

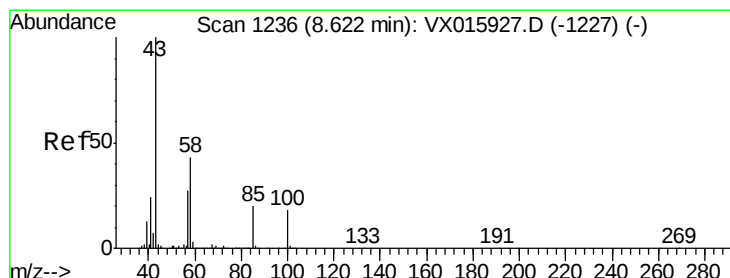
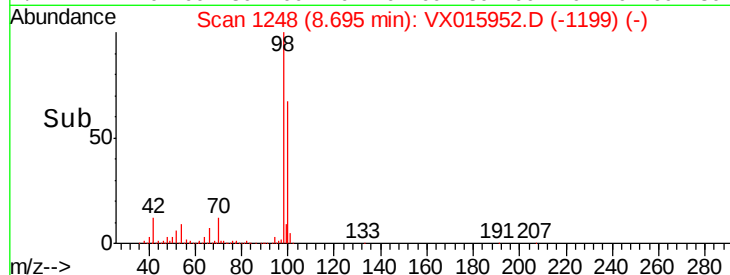
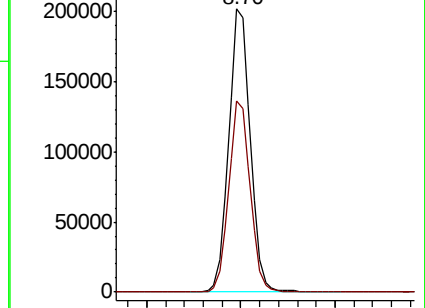
98 100

100 67.2 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#51

4-Methyl-2-Pentanone

Concen: 21.138 ug/l

RT: 8.60 min Scan# 1232

Delta R.T. -0.02 min

Lab File: VX015952.D

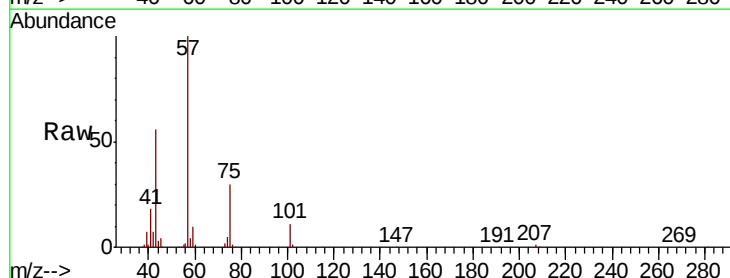
Acq: 24 Apr 2020 23:30

Tgt Ion: 43 Resp: 49342

Ion Ratio Lower Upper

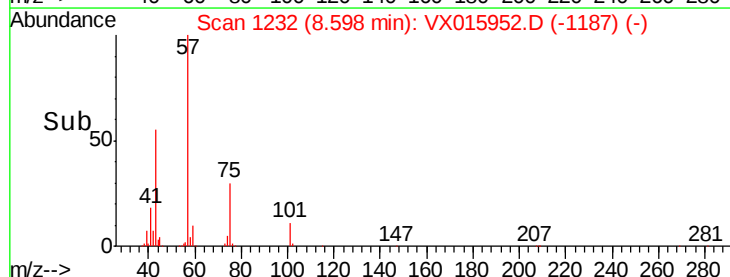
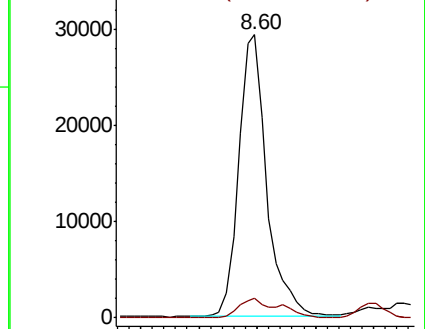
43 100

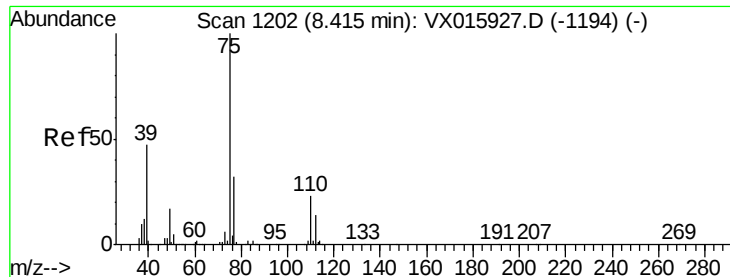
58 9.9 34.2 51.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#54

cis-1,3-Dichloropropene

Concen: 7.857 ug/l

RT: 8.60 min Scan# 1232

Delta R.T. 0.18 min

Lab File: VX015952.D

Acq: 24 Apr 2020 23:30

Instrument :

MSVOA_X

ClientSampleId :

PB125456TB

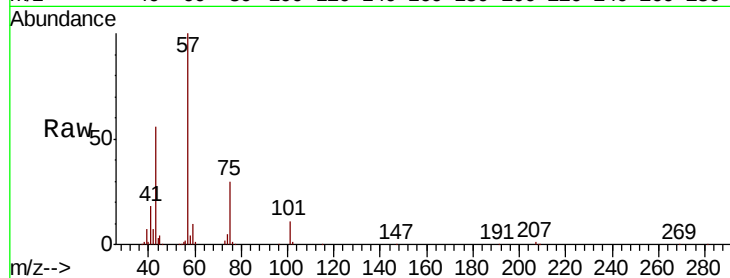
Tot Ion: 75 Resp: 24370

Ion Ratio Lower Upper

75 100

77 0.7 25.8 38.8#

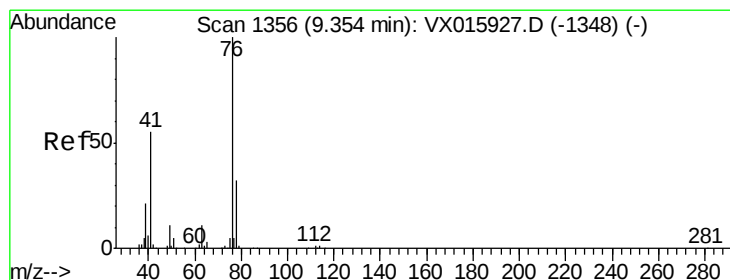
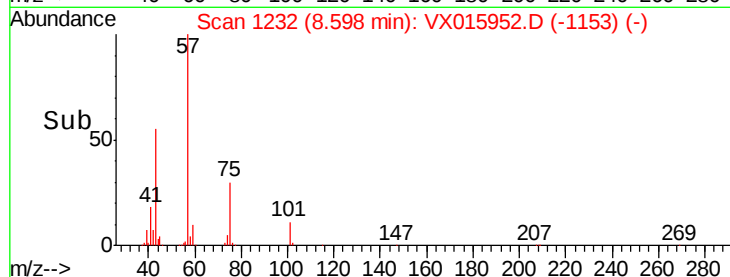
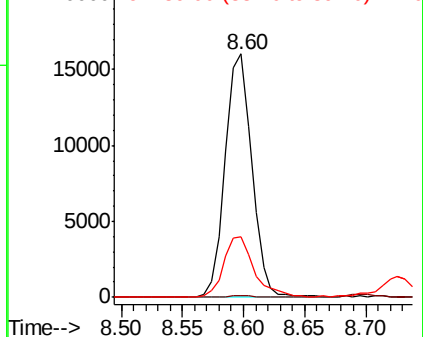
39 24.6 37.2 55.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0



#57

1,3-Dichloropropane

Concen: 1.401 ug/l

RT: 9.52 min Scan# 1384

Delta R.T. 0.17 min

Lab File: VX015952.D

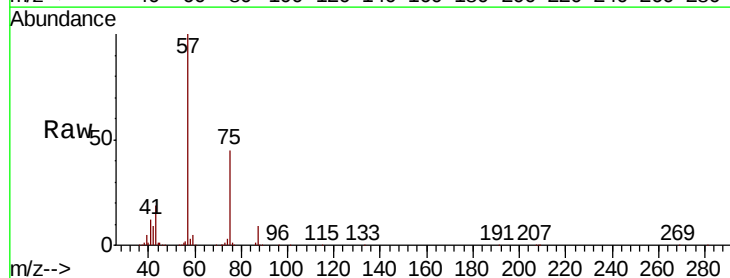
Acq: 24 Apr 2020 23:30

Tgt Ion: 76 Resp: 4295

Ion Ratio Lower Upper

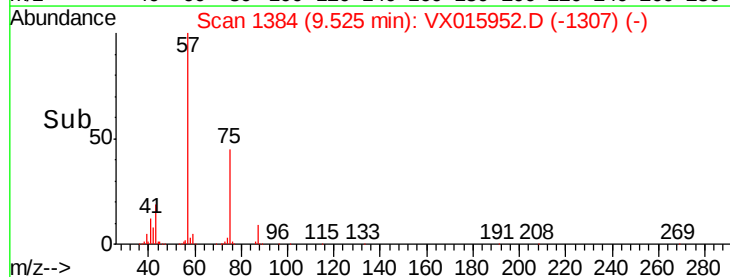
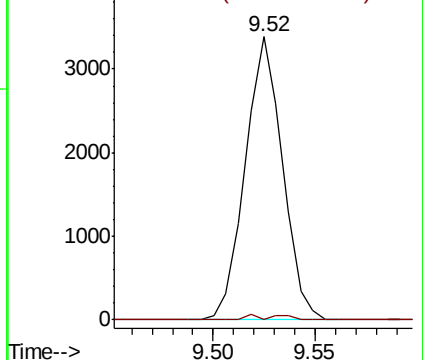
76 100

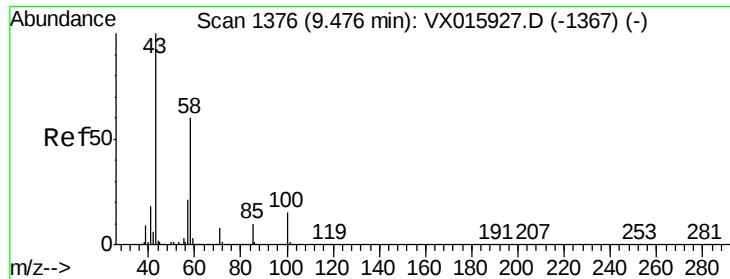
78 0.5 25.6 38.4#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

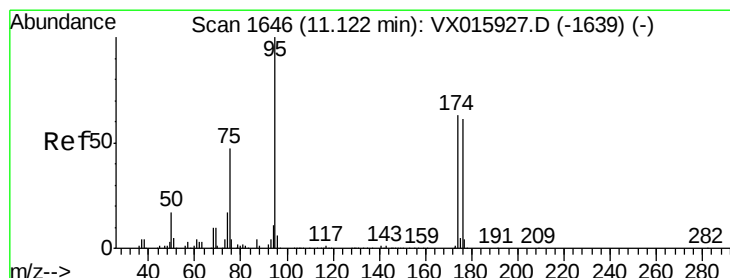
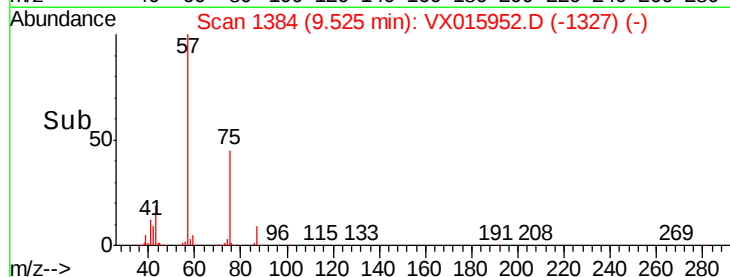
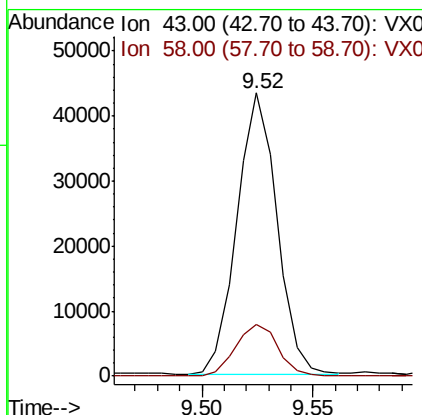
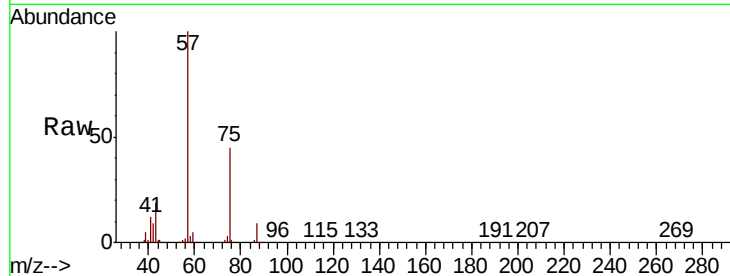




#59
2-Hexanone
Concen: 30.653 ug/l
RT: 9.52 min Scan# 1384
Delta R.T. 0.05 min
Lab File: VX015952.D
Acq: 24 Apr 2020 23:30

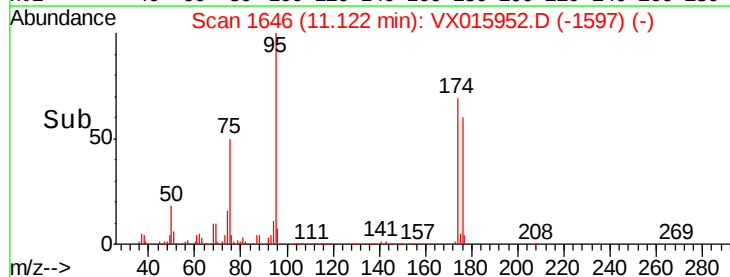
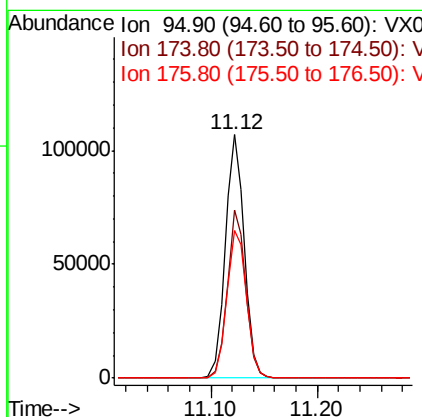
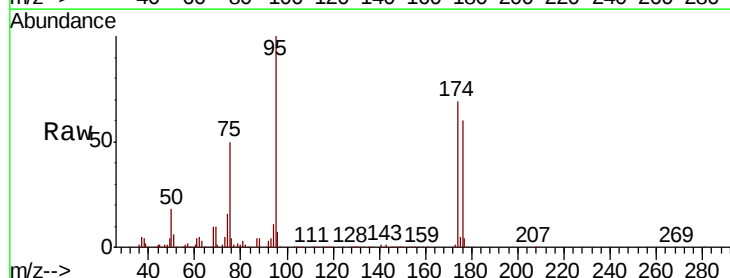
Instrument :
MSVOA_X
ClientSampleId :
PB125456TB

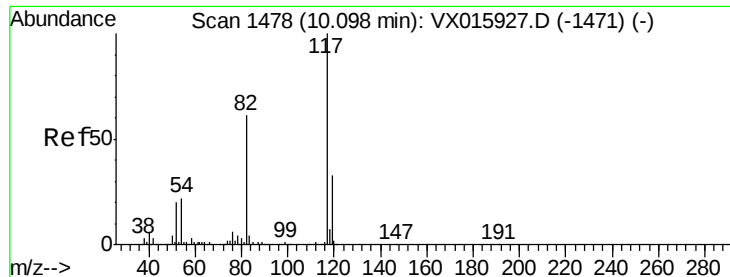
Tot Ion: 43 Resp: 54332
Ion Ratio Lower Upper
43 100
58 19.7 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 55.971 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX015952.D
Acq: 24 Apr 2020 23:30

Tgt Ion: 95 Resp: 132707
Ion Ratio Lower Upper
95 100
174 67.4 0.0 133.6
176 62.8 0.0 126.0

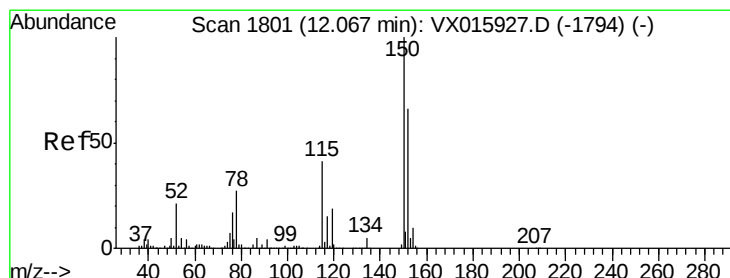
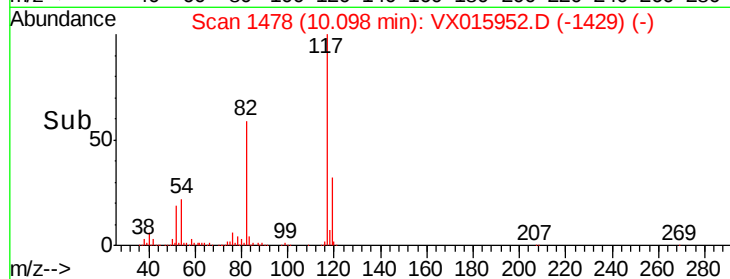
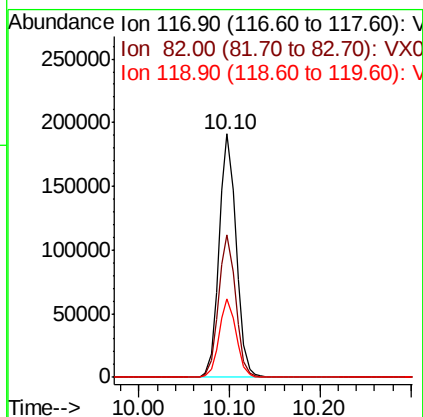
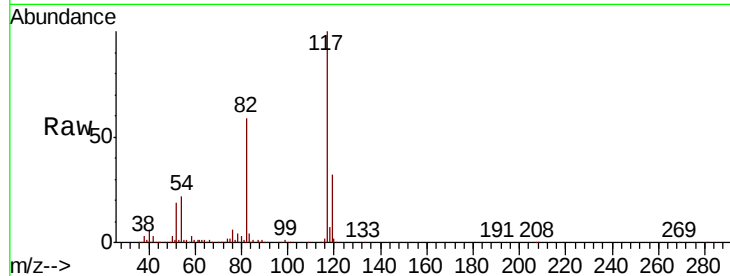




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX015952.D
Acq: 24 Apr 2020 23:30

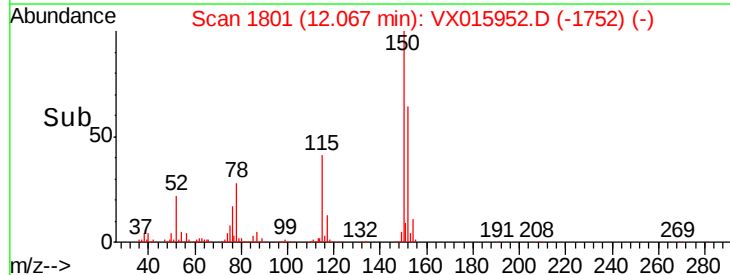
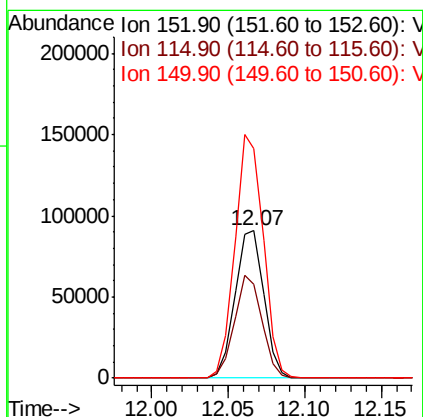
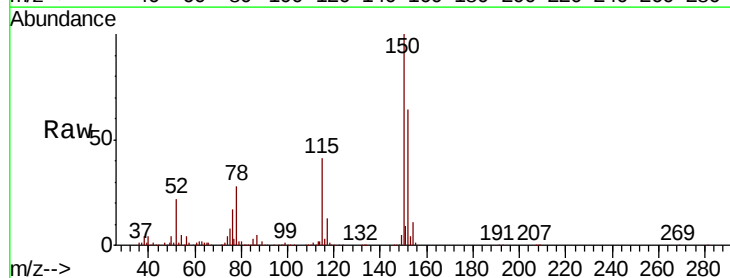
Instrument :
MSVOA_X
ClientSampleId :
PB125456TB

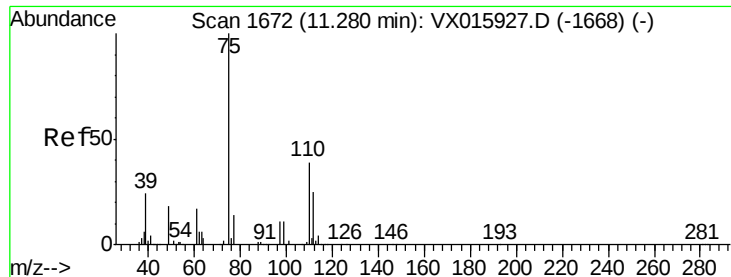
Tot Ion:117 Resp: 252003
Ion Ratio Lower Upper
117 100
82 58.6 48.5 72.7
119 32.3 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1801
Delta R.T. 0.00 min
Lab File: VX015952.D
Acq: 24 Apr 2020 23:30

Tgt Ion:152 Resp: 118990
Ion Ratio Lower Upper
152 100
115 66.6 44.1 132.4
150 161.8 0.0 343.6





#76

1,2,3-Trichloropropane

Concen: 25.749 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX015952.D

Acq: 24 Apr 2020 23:30

Instrument :

MSVOA_X

ClientSampleId :

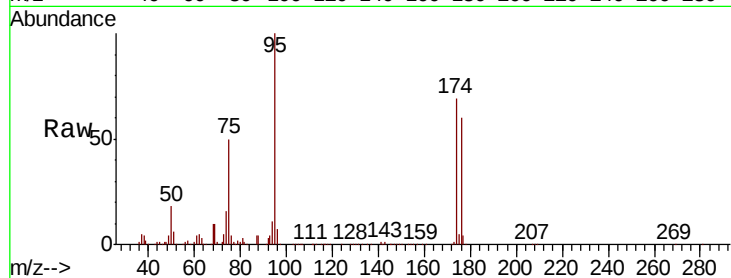
PB125456TB

Tot Ion: 75 Resp: 65723

Ion Ratio Lower Upper

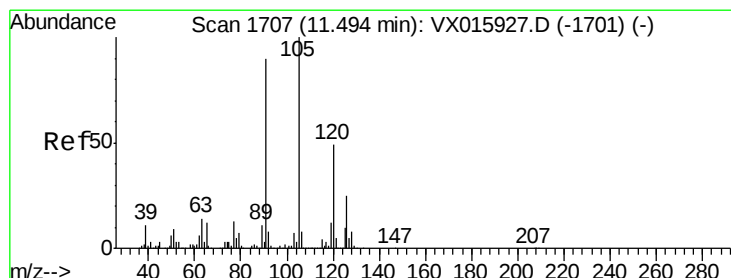
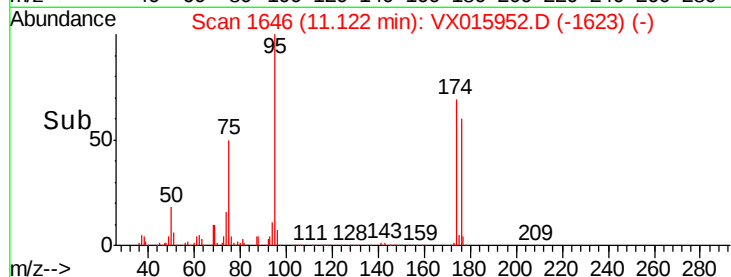
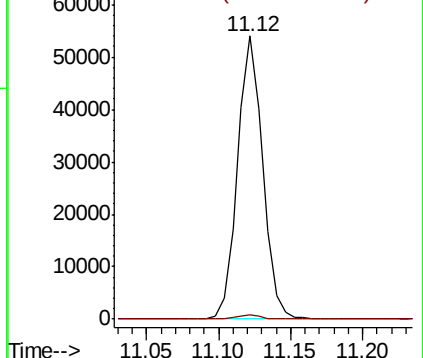
75 100

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



#80

1,3,5-Trimethylbenzene

Concen: 0.771 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX015952.D

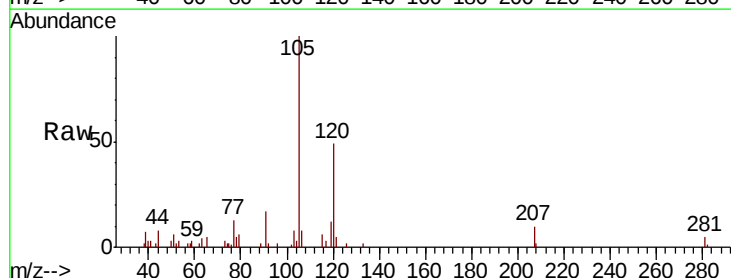
Acq: 24 Apr 2020 23:30

Tgt Ion:105 Resp: 5800

Ion Ratio Lower Upper

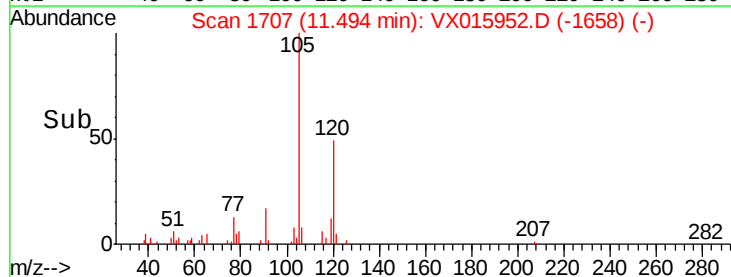
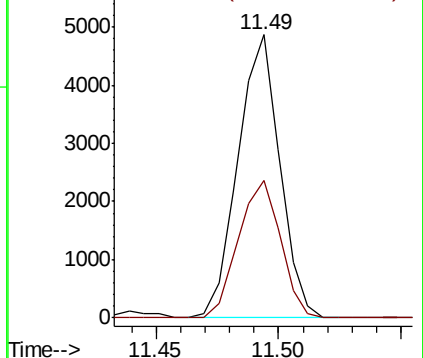
105 100

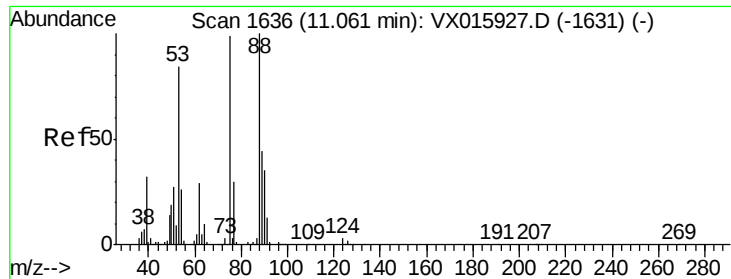
120 48.8 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81
 trans-1,4-Dichloro-2-butene
 Concen: 58.003 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.06 min
 Lab File: VX015952.D
 Acq: 24 Apr 2020 23:30

Instrument :
 MSVOA_X
 ClientSampleId :
 PB125456TB

Tot Ion: 75 Resp: 65723
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.7 104.5#
 89 0.0 36.3 54.5#

