

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX042420\
 Data File : VX015957.D
 Acq On : 25 Apr 2020 01:24
 Operator : JC/SP
 Sample : L2399-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SP1-B

Quant Time: Apr 25 06:57:12 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	134382	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	255570	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	253288	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	122181	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	96312	50.76	ug/l	0.00
Spiked Amount			Recovery	=	101.52%	
35) Dibromofluoromethane	5.47	113	74326	53.32	ug/l	0.00
Spiked Amount			Recovery	=	106.64%	
50) Toluene-d8	8.70	98	325333	55.13	ug/l	0.00
Spiked Amount			Recovery	=	110.26%	
62) 4-Bromofluorobenzene	11.12	95	134800	56.32	ug/l	0.00
Spiked Amount			Recovery	=	112.64%	

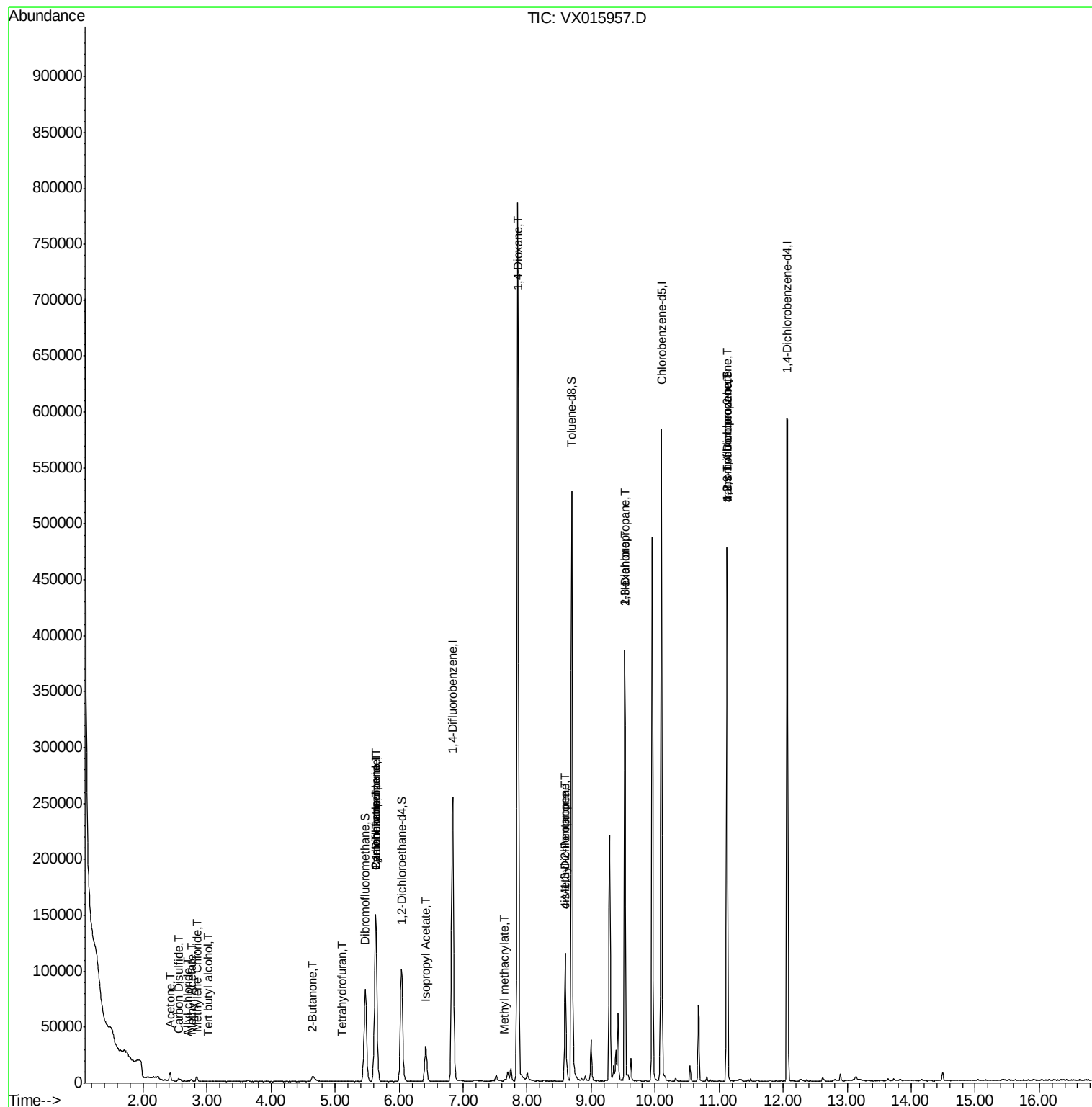
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.01	59	217	0.532	ug/l #	72
14) Allyl chloride	2.70	41	587	0.218	ug/l #	34
16) Acetone	2.42	43	7557	10.618	ug/l	93
17) Carbon Disulfide	2.55	76	2812	0.373	ug/l #	85
18) Methyl Acetate	2.75	43	2140	0.994	ug/l	91
20) Methylene Chloride	2.84	84	1773	1.007	ug/l	87
25) 2-Butanone	4.64	43	2103	1.815	ug/l	91
29) Tetrahydrofuran	5.10	42	292	0.383	ug/l #	52
31) Cyclohexane	5.63	56	3002	1.055	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	12152	4.982	ug/l #	49
38) Carbon Tetrachloride	5.63	117	14368	6.446	ug/l #	17
43) Isopropyl Acetate	6.42	43	42616	10.602	ug/l	99
48) Methyl methacrylate	7.65	41	2973	1.504	ug/l #	12
49) 1,4-Dioxane	7.85	88	91	2.070	ug/l #	1
51) 4-Methyl-2-Pentanone	8.60	43	40618	17.237	ug/l #	49
54) cis-1,3-Dichloropropene	8.60	75	20019	6.393	ug/l #	56
57) 1,3-Dichloropropane	9.52	76	3426	1.107	ug/l #	45
59) 2-Hexanone	9.52	43	41816	23.370	ug/l #	48
76) 1,2,3-Trichloropropane	11.12	75	67222	25.649	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.12	75	67222	57.776	ug/l #	14

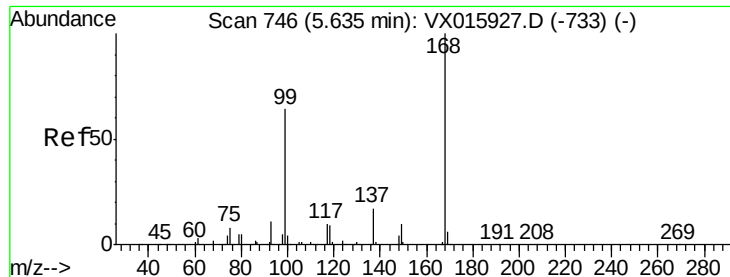
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 746

Delta R.T. -0.00 min

Lab File: VX015957.D

Acq: 25 Apr 2020 01:24

Instrument :

MSVOA_X

ClientSampled :

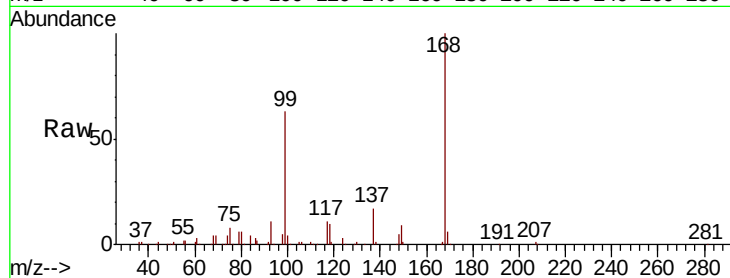
SP1-B

Tot Ion:168 Resp: 134382

Ion Ratio Lower Upper

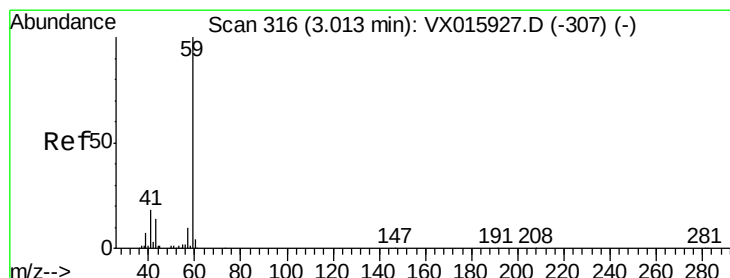
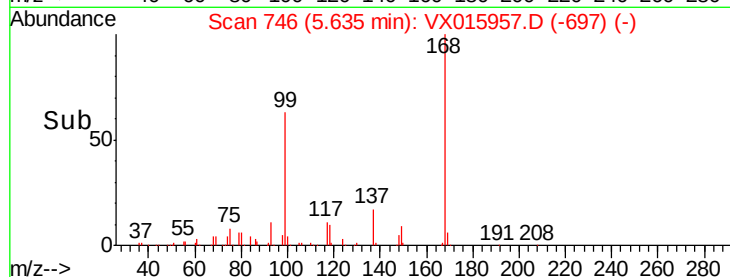
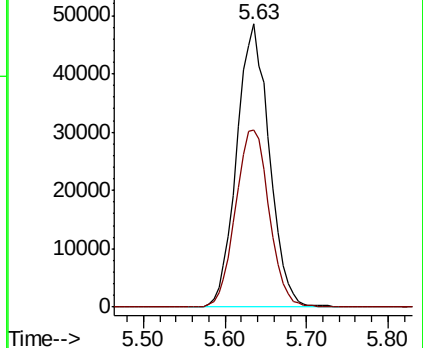
168 100

99 62.6 51.2 76.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#11

Tert butyl alcohol

Concen: 0.532 ug/l

RT: 3.01 min Scan# 316

Delta R.T. -0.00 min

Lab File: VX015957.D

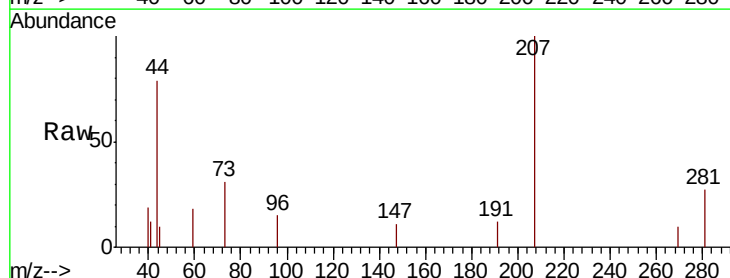
Acq: 25 Apr 2020 01:24

Tgt Ion: 59 Resp: 217

Ion Ratio Lower Upper

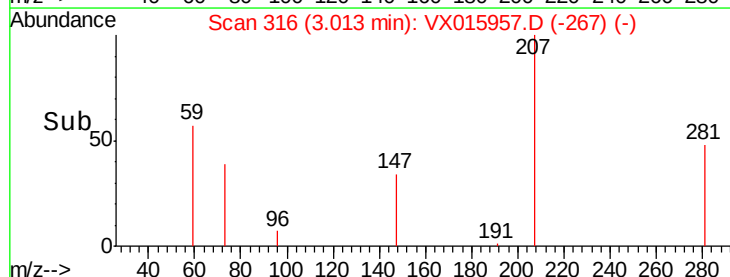
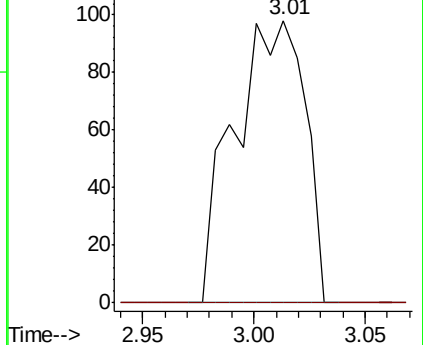
59 100

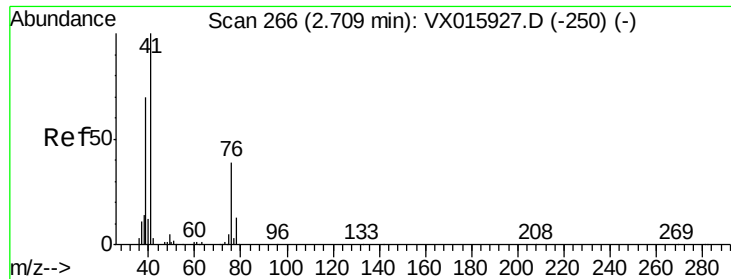
57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

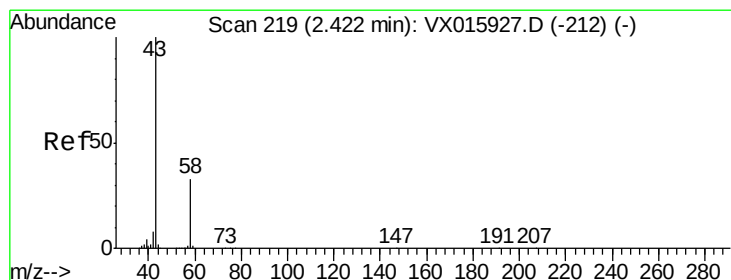
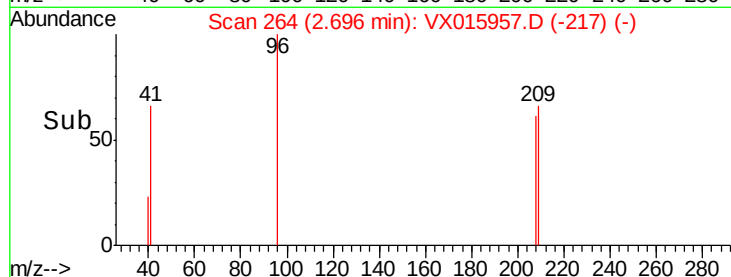
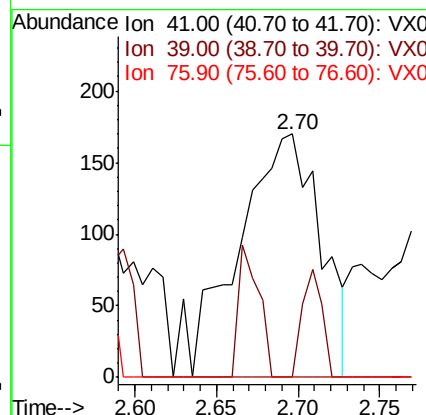
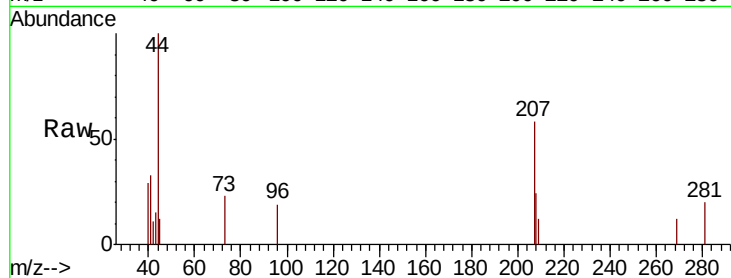




#14
Allvl chloride
Concen: 0.218 ug/l
RT: 2.70 min Scan# 264
Delta R.T. -0.01 min
Lab File: VX015957.D
Acq: 25 Apr 2020 01:24

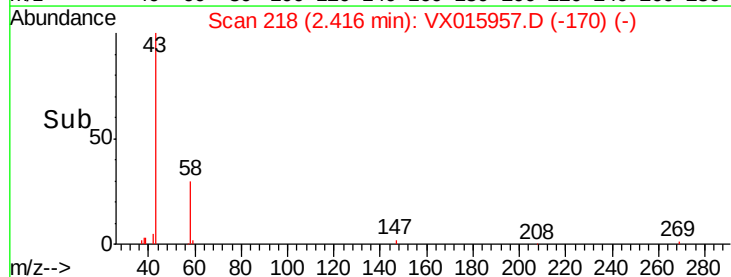
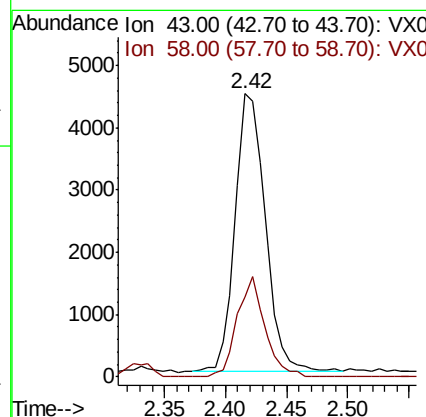
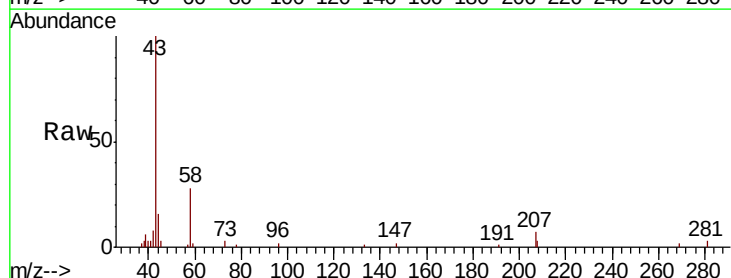
Instrument :
MSVOA_X
ClientSampled :
SP1-B

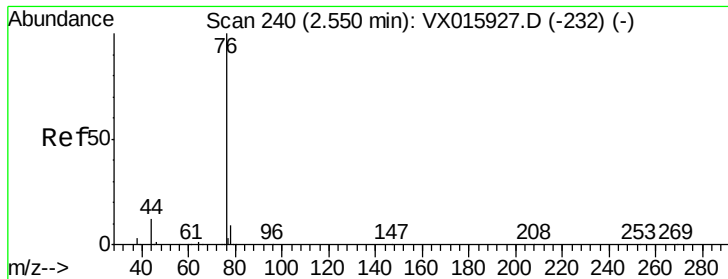
Tot Ion: 41 Resp: 587
Ion Ratio Lower Upper
41 100
39 11.1 51.6 77.4#
76 0.0 29.3 43.9#



#16
Acetone
Concen: 10.618 ug/l
RT: 2.42 min Scan# 218
Delta R.T. -0.01 min
Lab File: VX015957.D
Acq: 25 Apr 2020 01:24

Tgt Ion: 43 Resp: 7557
Ion Ratio Lower Upper
43 100
58 29.0 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: VX015957.D

Acq: 25 Apr 2020 01:24

Instrument :

MSVOA_X

ClientSampleId :

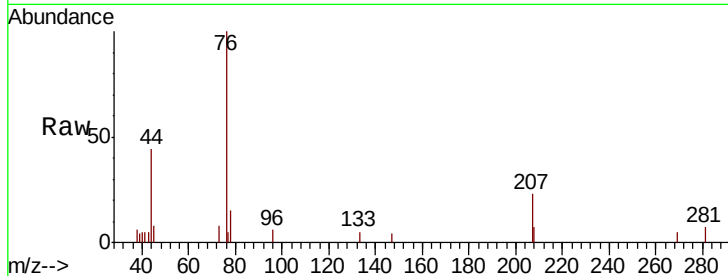
SP1-B

Tot Ion: 76 Resp: 2812

Ion Ratio Lower Upper

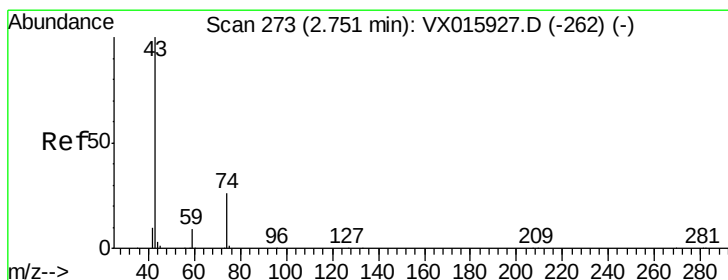
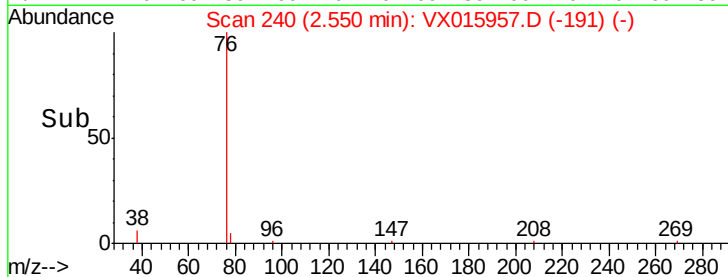
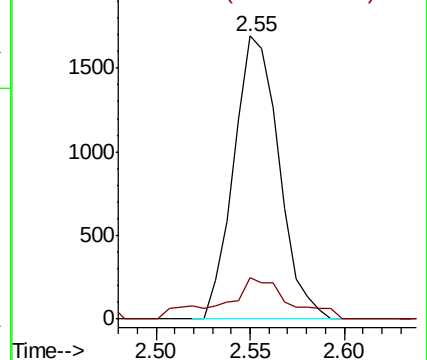
76 100

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



#18

Methyl Acetate

Concen: 0.994 ug/l

RT: 2.75 min Scan# 273

Delta R.T. -0.00 min

Lab File: VX015957.D

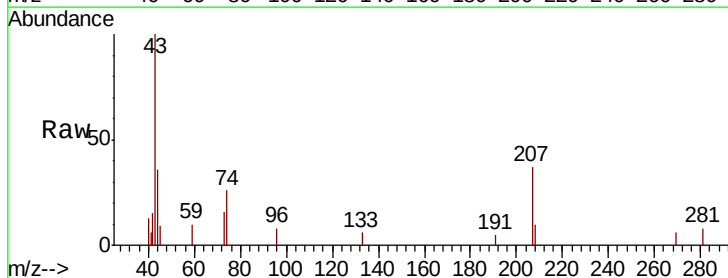
Acq: 25 Apr 2020 01:24

Tgt Ion: 43 Resp: 2140

Ion Ratio Lower Upper

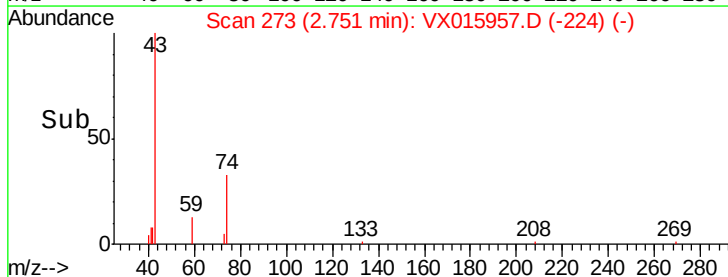
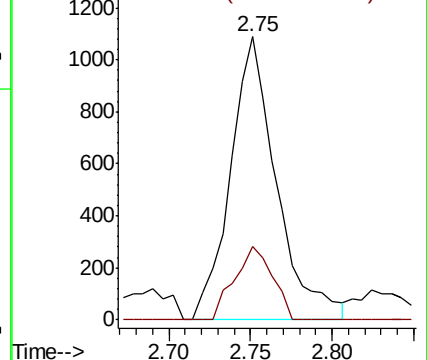
43 100

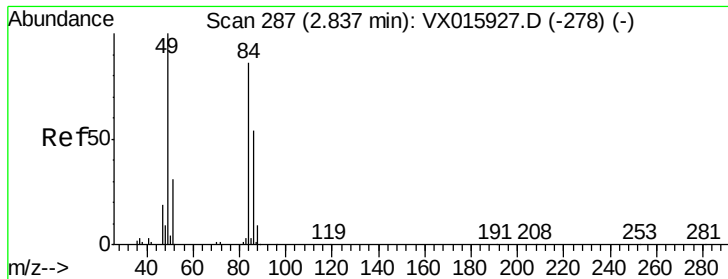
74 21.4 21.0 31.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

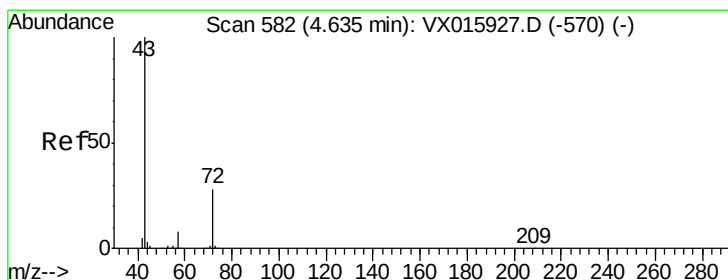
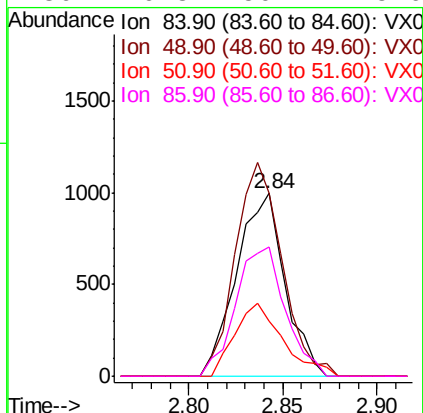
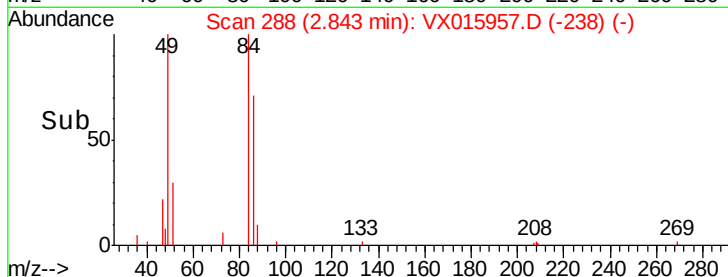
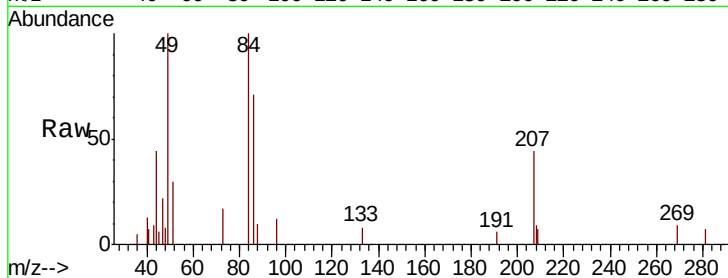




#20
Methylene Chloride
Concen: 1.007 ug/l
RT: 2.84 min Scan# 288
Delta R.T. 0.01 min
Lab File: VX015957.D
Acq: 25 Apr 2020 01:24

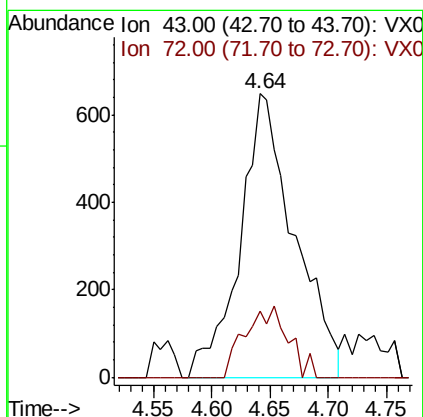
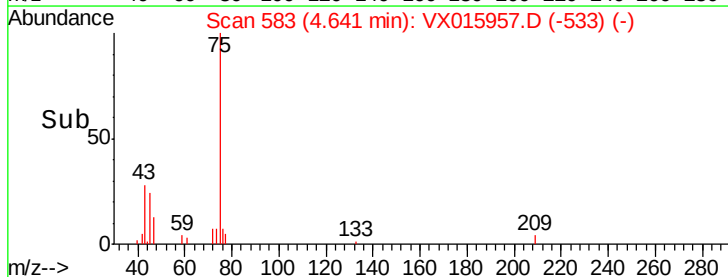
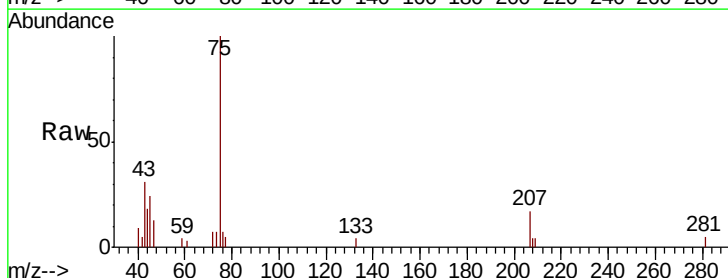
Instrument :
MSVOA_X
ClientSampled :
SP1-B

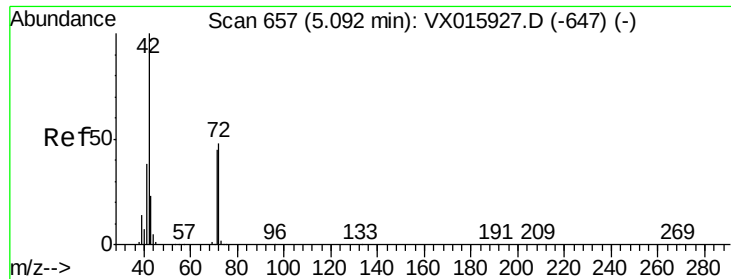
Tot Ion: 84 Resp: 1773
Ion Ratio Lower Upper
84 100
49 100.1 93.0 139.6
51 30.2 28.6 43.0
86 70.8 50.4 75.6



#25
2-Butanone
Concen: 1.815 ug/l
RT: 4.64 min Scan# 583
Delta R.T. 0.01 min
Lab File: VX015957.D
Acq: 25 Apr 2020 01:24

Tgt Ion: 43 Resp: 2103
Ion Ratio Lower Upper
43 100
72 23.1 22.4 33.6

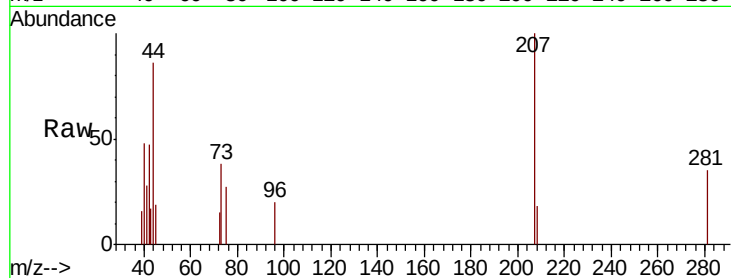




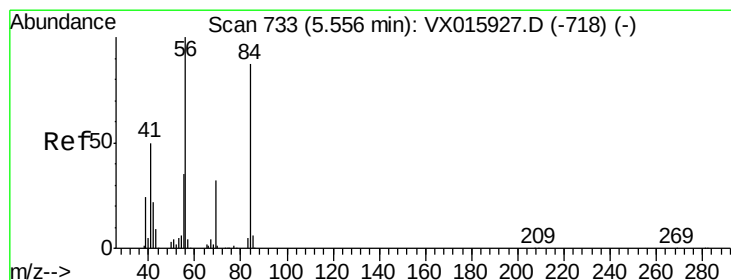
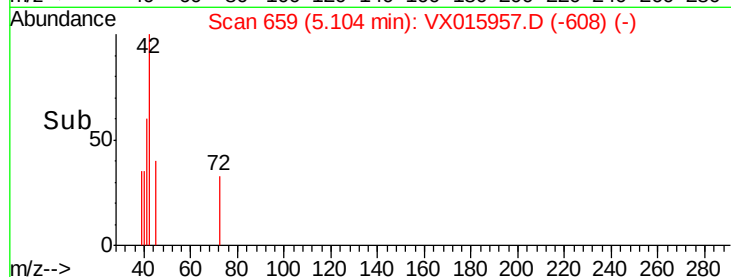
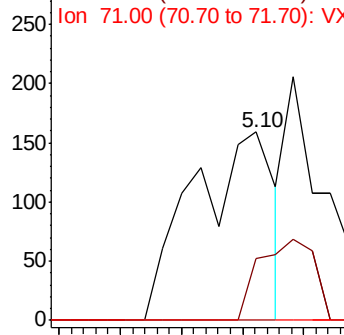
#29
Tetrahydrofuran
Concen: 0.383 ug/l
RT: 5.10 min Scan# 659
Delta R.T. 0.01 min
Lab File: VX015957.D
Acq: 25 Apr 2020 01:24

Instrument :
MSVOA_X
ClientSampled :
SP1-B

Tot Ion: 42 Resp: 292
Ion Ratio Lower Upper
42 100
72 29.5 39.5 59.3#
71 0.0 36.4 54.6#

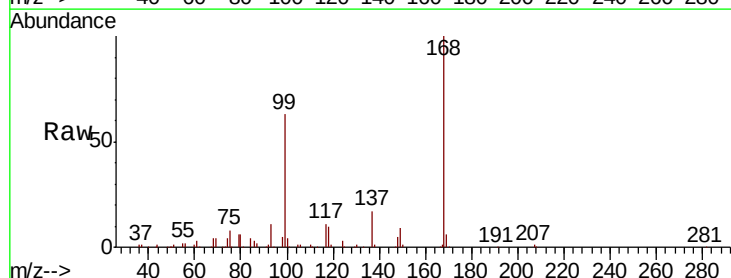


Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0

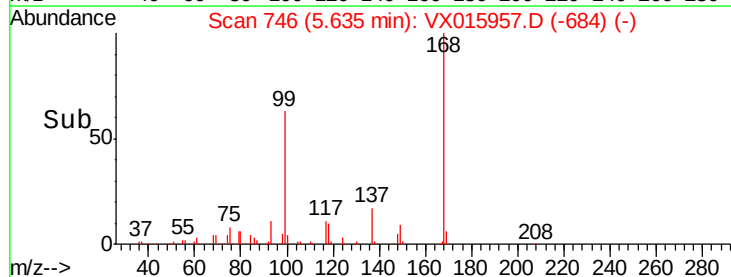
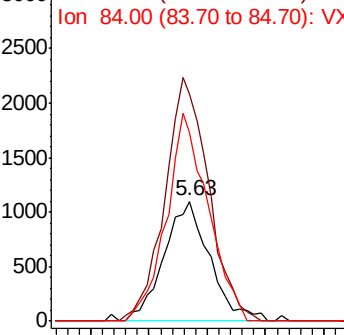


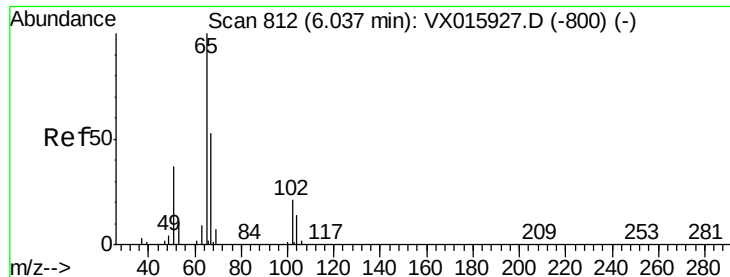
#31
Cyclohexane
Concen: 1.055 ug/l
RT: 5.63 min Scan# 746
Delta R.T. 0.08 min
Lab File: VX015957.D
Acq: 25 Apr 2020 01:24

Tgt Ion: 56 Resp: 3002
Ion Ratio Lower Upper
56 100
69 189.4 25.4 38.0#
84 157.2 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

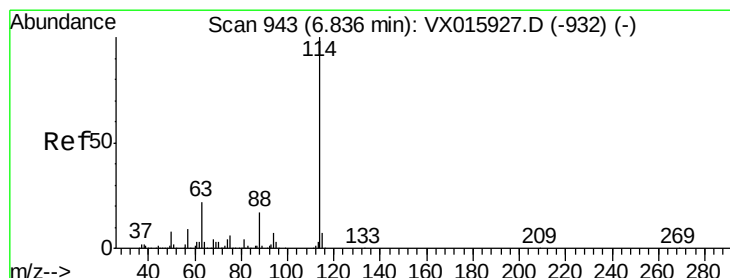
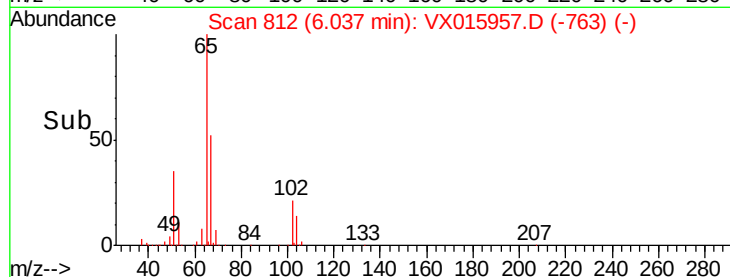
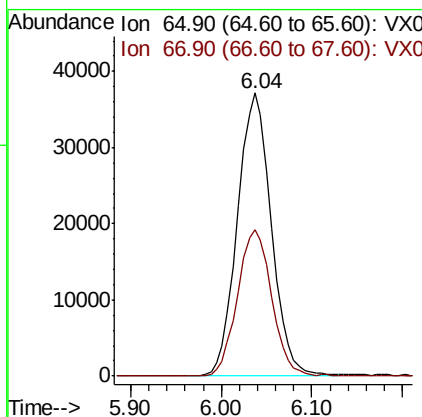
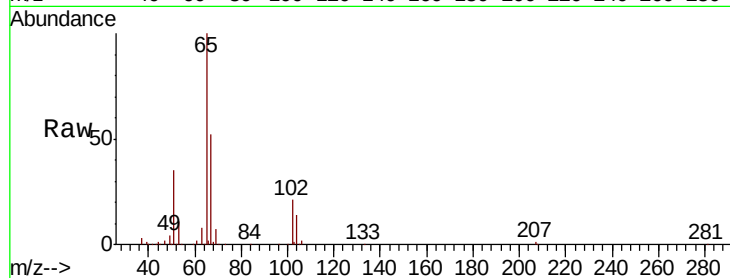




#33
 1,2-Dichloroethane-d4
 Concen: 50.758 ug/l
 RT: 6.04 min Scan# 812
 Delta R.T. -0.00 min
 Lab File: VX015957.D
 Acq: 25 Apr 2020 01:24

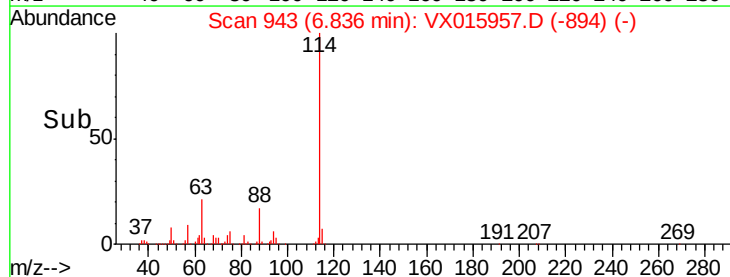
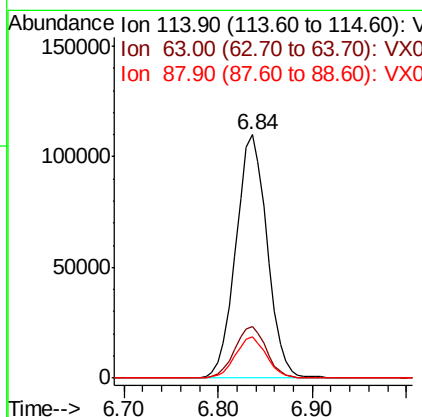
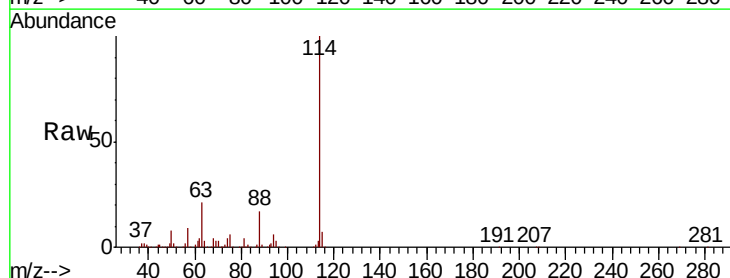
Instrument :
 MSVOA_X
 ClientSampleId :
 SP1-B

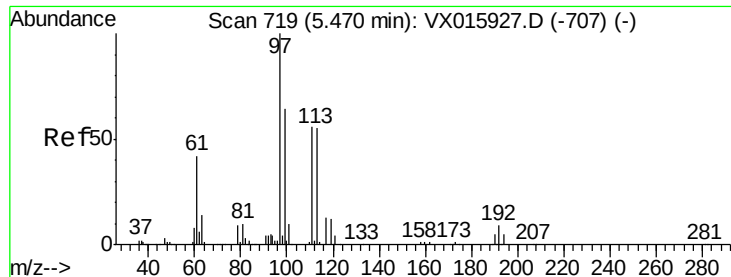
Tot Ion: 65 Resp: 96312
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 943
 Delta R.T. -0.00 min
 Lab File: VX015957.D
 Acq: 25 Apr 2020 01:24

Tgt Ion: 114 Resp: 255570
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 44.4
 88 16.8 0.0 34.2

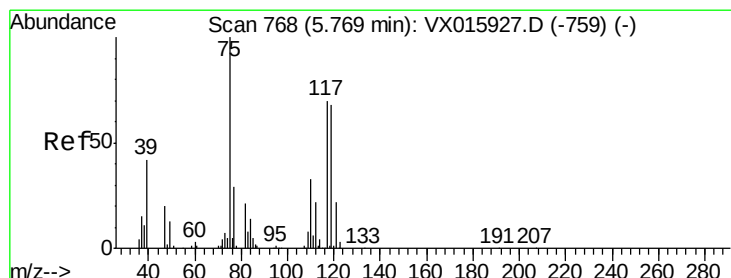
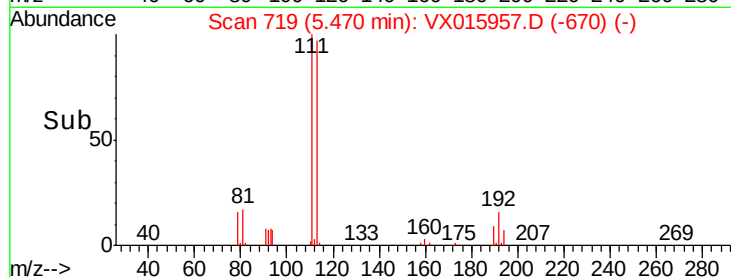
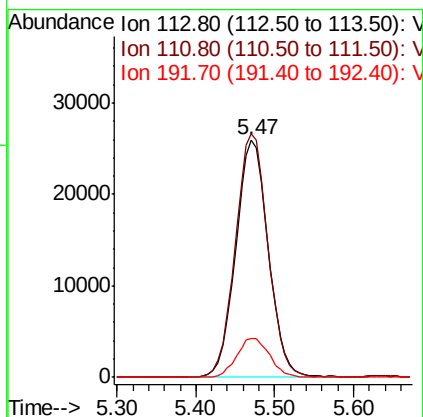
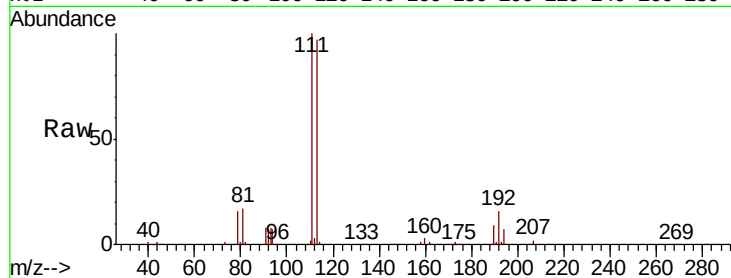




#35
 Dibromofluoromethane
 Concen: 53.324 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. -0.00 min
 Lab File: VX015957.D
 Acq: 25 Apr 2020 01:24

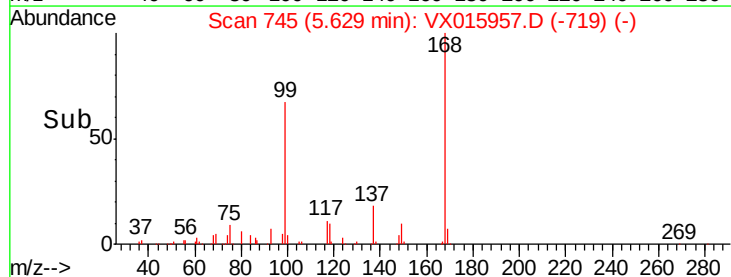
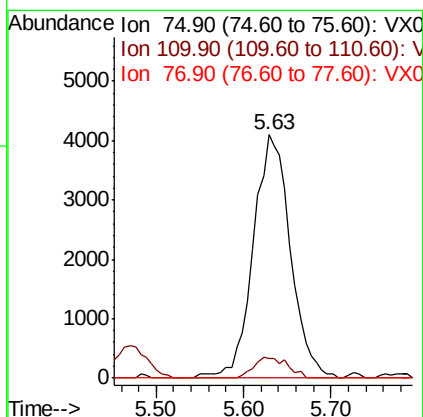
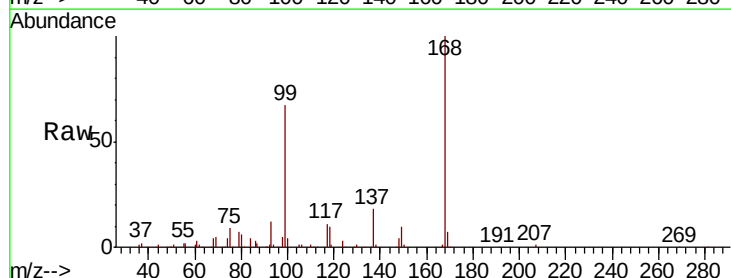
Instrument :
 MSVOA_X
 ClientSampleId :
 SP1-B

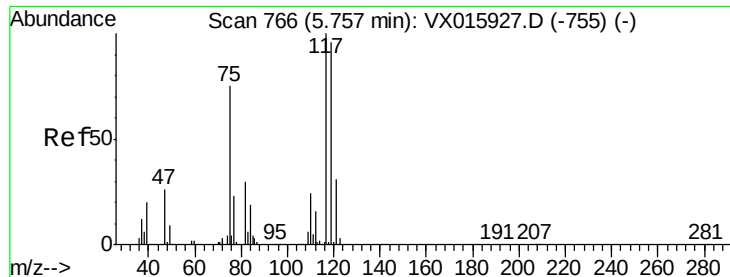
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.2	121.8
192	16.7	13.6	20.4



#36
 1,1-Dichloropropene
 Concen: 4.982 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX015957.D
 Acq: 25 Apr 2020 01:24

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.7	17.1	51.3#
77	0.0	25.0	37.4#

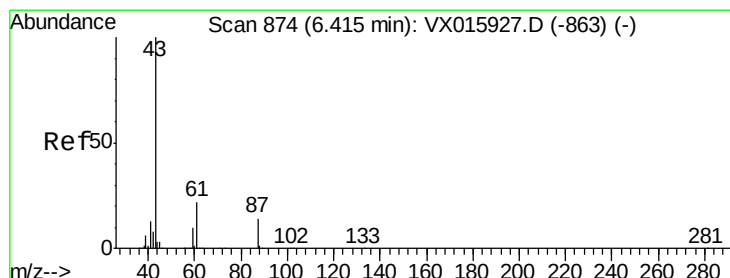
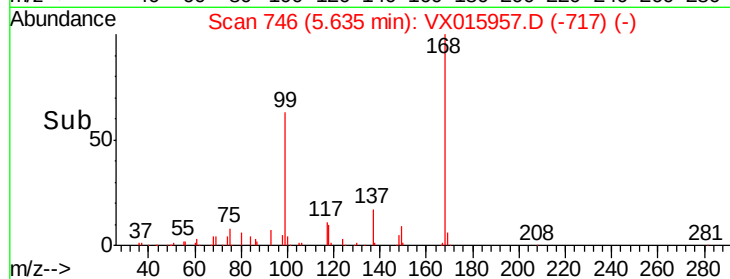
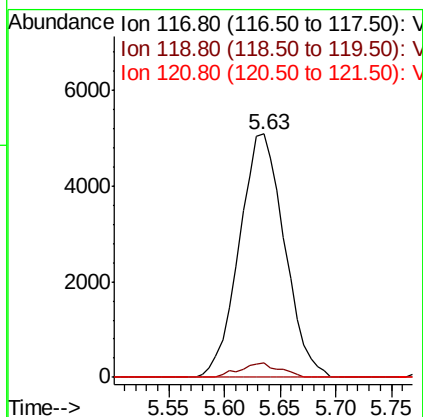
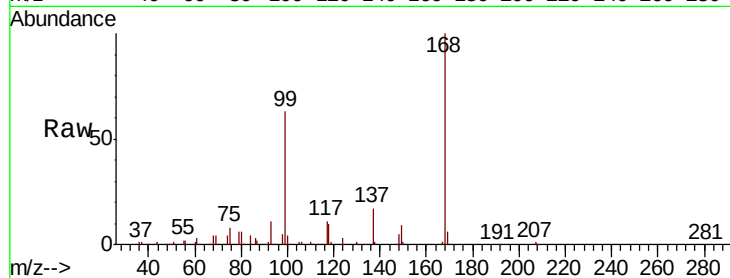




#38
Carbon Tetrachloride
Concen: 6.446 ug/l
RT: 5.63 min Scan# 746
Delta R.T. -0.12 min
Lab File: VX015957.D
Acq: 25 Apr 2020 01:24

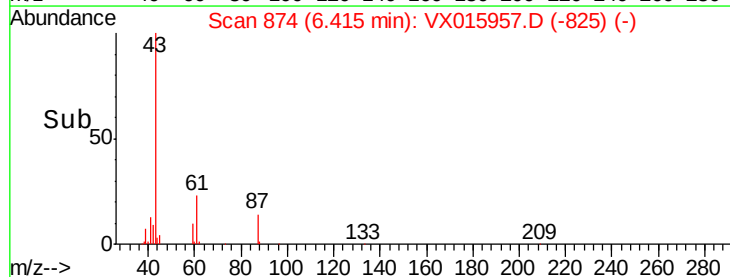
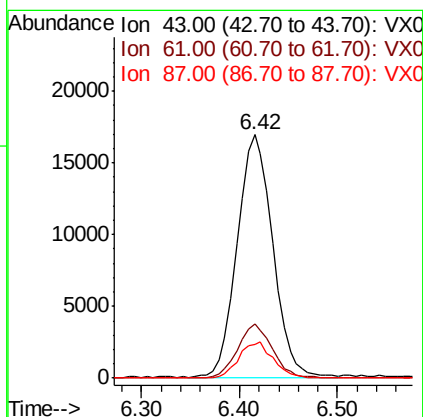
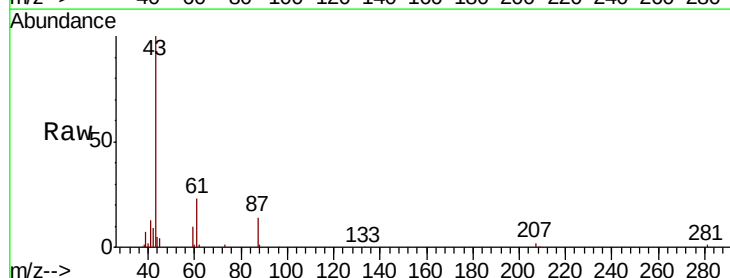
Instrument :
MSVOA_X
ClientSampleId :
SP1-B

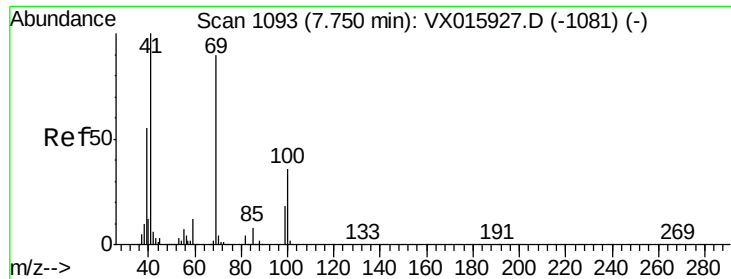
Tot Ion:117 Resp: 14368
Ion Ratio Lower Upper
117 100
119 6.1 77.0 115.6#
121 0.0 25.0 37.4#



#43
Isopropyl Acetate
Concen: 10.602 ug/l
RT: 6.42 min Scan# 874
Delta R.T. -0.00 min
Lab File: VX015957.D
Acq: 25 Apr 2020 01:24

Tgt Ion: 43 Resp: 42616
Ion Ratio Lower Upper
43 100
61 21.6 17.6 26.4
87 14.4 11.6 17.4

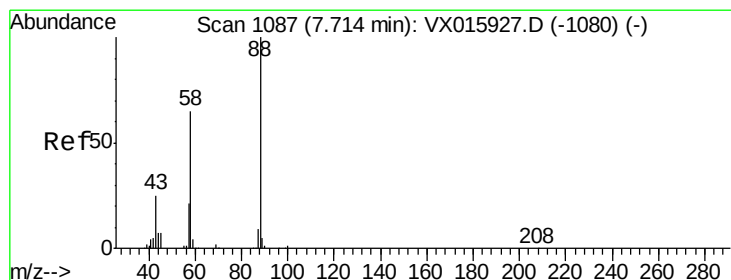
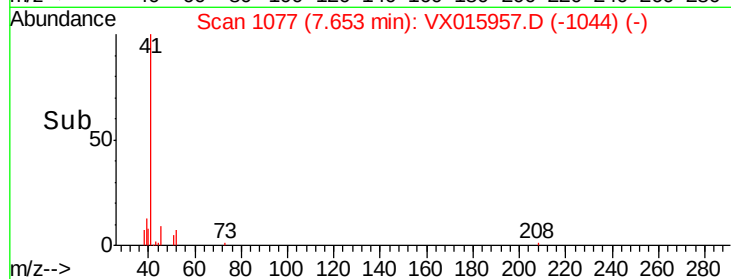
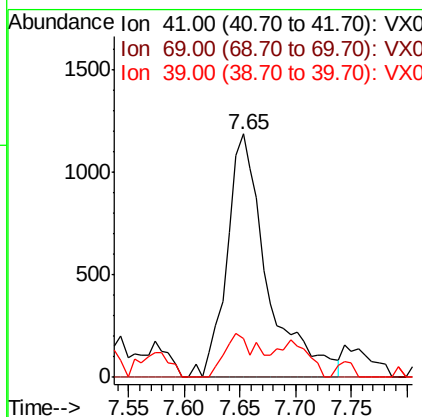
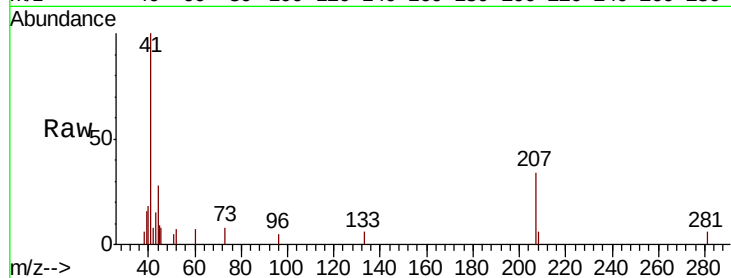




#48
Methvl methacrylate
Concen: 1.504 ug/l
RT: 7.65 min Scan# 1077
Delta R.T. -0.10 min
Lab File: VX015957.D
Acq: 25 Apr 2020 01:24

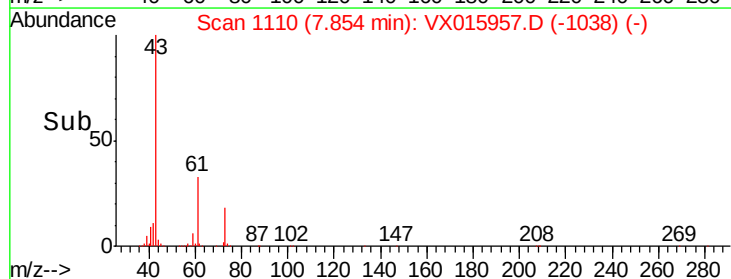
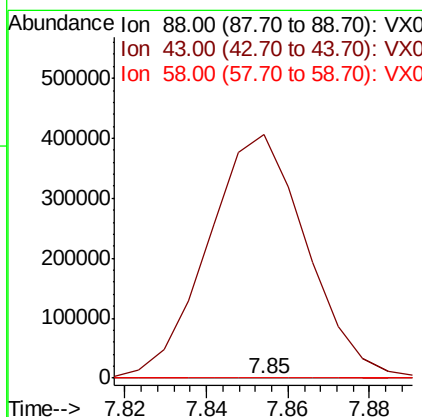
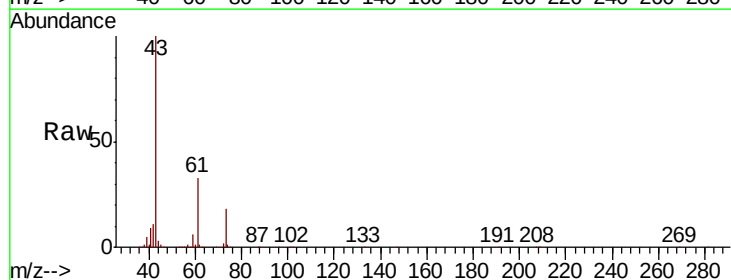
Instrument :
MSVOA_X
ClientSampleId :
SP1-B

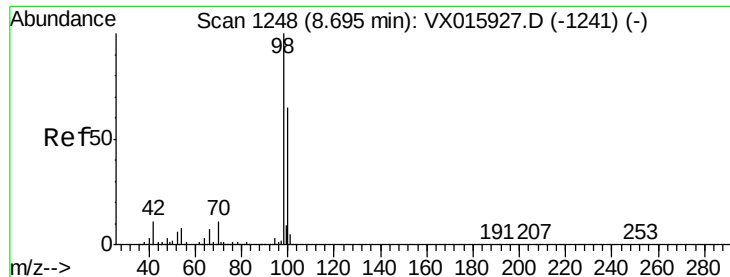
Tot Ion: 41 Resp: 2973
Ion Ratio Lower Upper
41 100
69 0.0 72.0 108.0#
39 0.0 44.1 66.1#



#49
1,4-Dioxane
Concen: 2.070 ug/l
RT: 7.85 min Scan# 1110
Delta R.T. 0.14 min
Lab File: VX015957.D
Acq: 25 Apr 2020 01:24

Tgt Ion: 88 Resp: 91
Ion Ratio Lower Upper
88 100
43 762717.6 23.8 35.8#
58 3134.1 55.7 83.5#





#50

Toluene-d8

Concen: 55.131 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX015957.D

Acq: 25 Apr 2020 01:24

Instrument :

MSVOA_X

ClientSampleId :

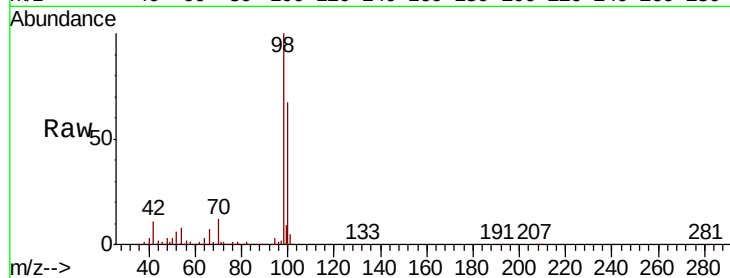
SP1-B

Tot Ion: 98 Resp: 325333

Ion Ratio Lower Upper

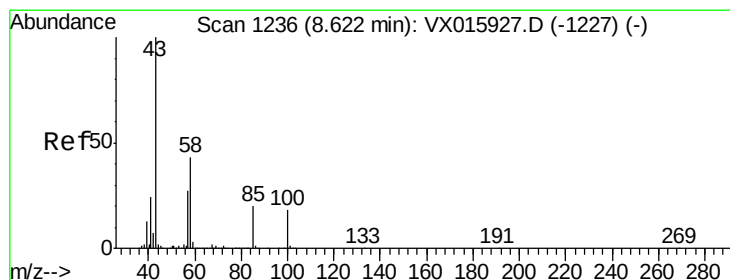
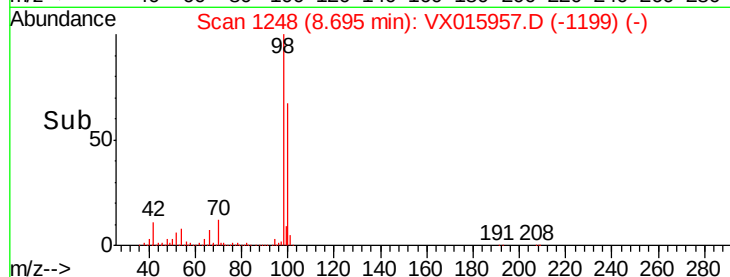
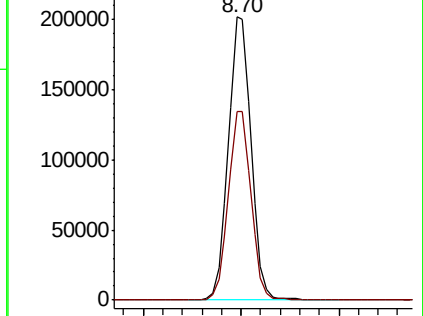
98 100

100 66.8 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: 17.237 ug/l

RT: 8.60 min Scan# 1232

Delta R.T. -0.02 min

Lab File: VX015957.D

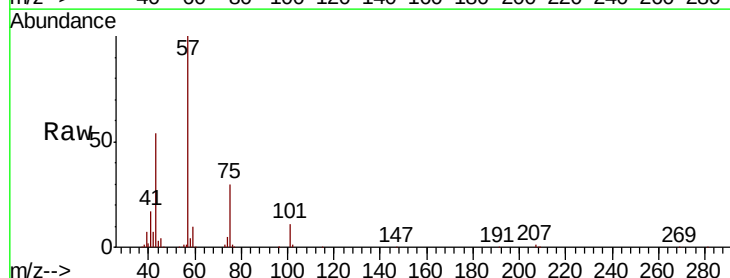
Acq: 25 Apr 2020 01:24

Tgt Ion: 43 Resp: 40618

Ion Ratio Lower Upper

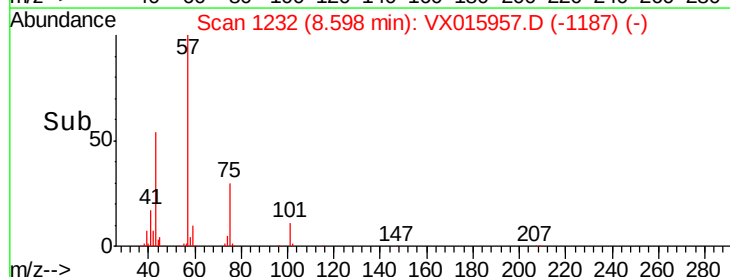
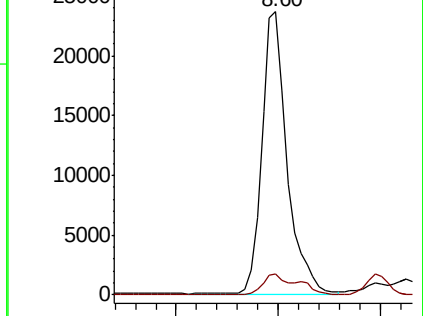
43 100

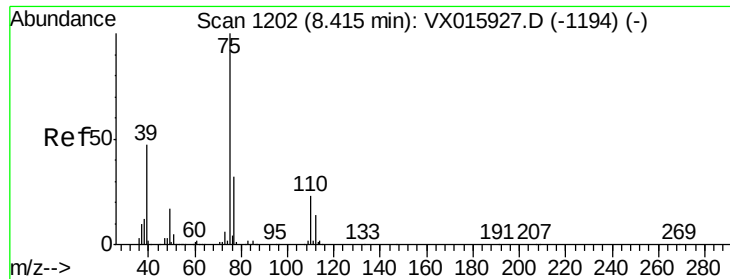
58 10.3 34.2 51.4#



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: 6.393 ug/l

RT: 8.60 min Scan# 1232

Delta R.T. 0.18 min

Lab File: VX015957.D

Acq: 25 Apr 2020 01:24

Instrument :

MSVOA_X

ClientSampleId :

SP1-B

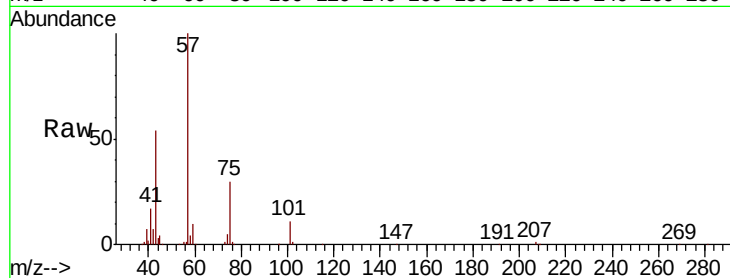
Tot Ion: 75 Resp: 20019

Ion Ratio Lower Upper

75 100

77 0.6 25.8 38.8#

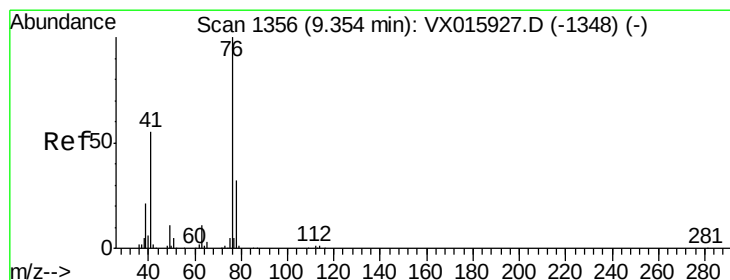
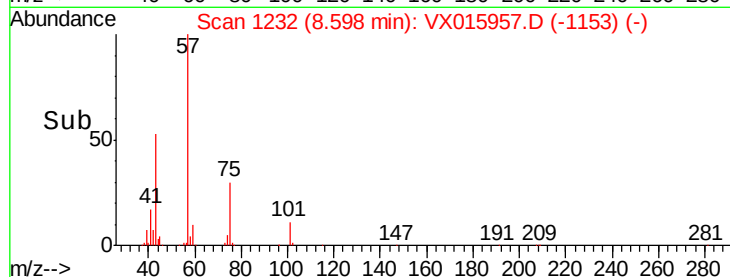
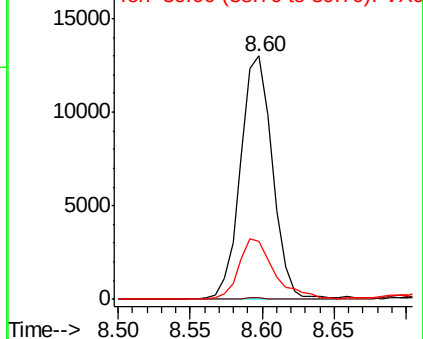
39 23.6 37.2 55.8#



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-Dichloropropene

Concen: 1.107 ug/l

RT: 9.52 min Scan# 1384

Delta R.T. 0.17 min

Lab File: VX015957.D

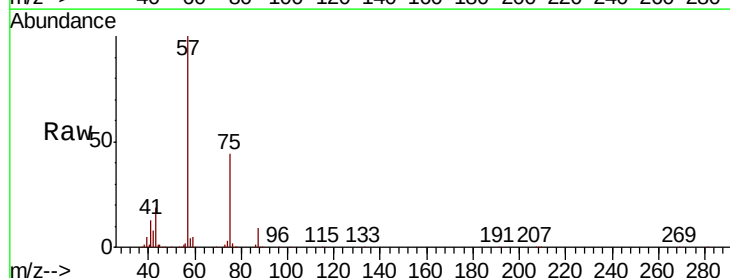
Acq: 25 Apr 2020 01:24

Tgt Ion: 76 Resp: 3426

Ion Ratio Lower Upper

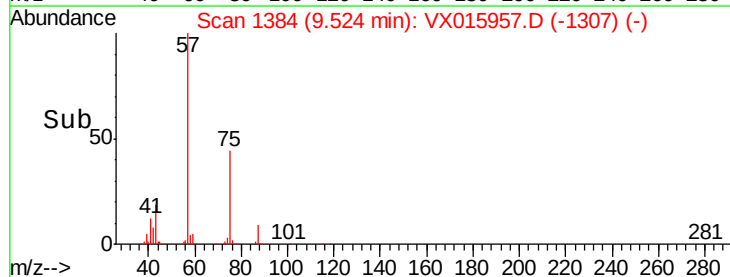
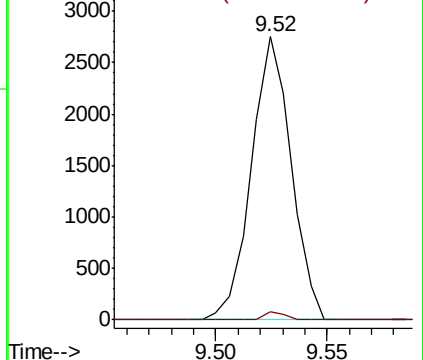
76 100

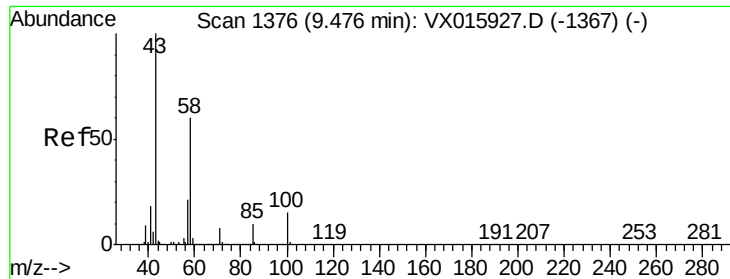
78 1.4 25.6 38.4#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

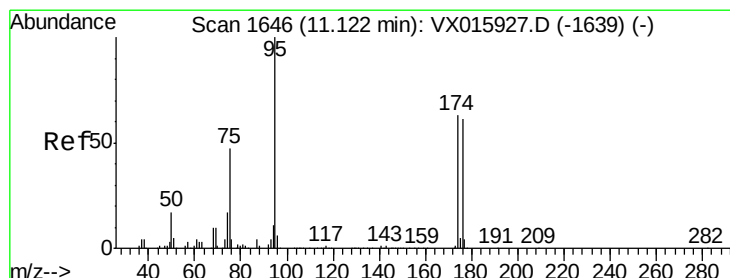
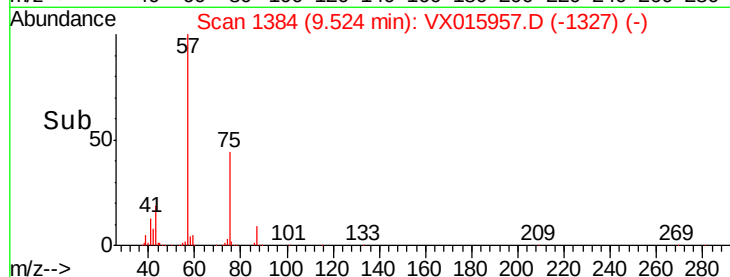
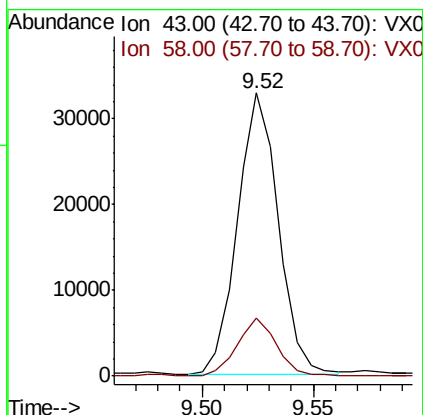
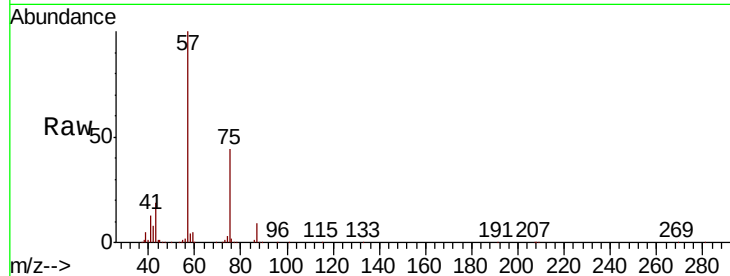




#59
2-Hexanone
Concen: 23.370 ug/l
RT: 9.52 min Scan# 1384
Delta R.T. 0.05 min
Lab File: VX015957.D
Acq: 25 Apr 2020 01:24

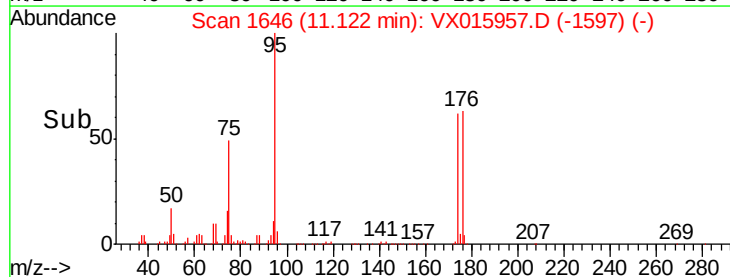
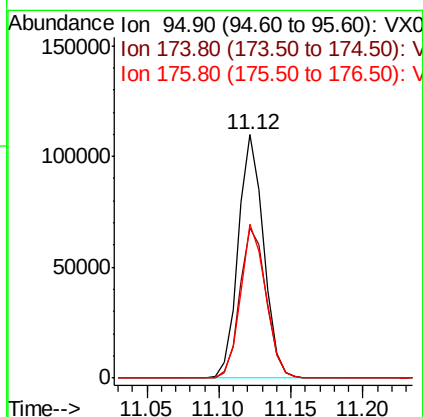
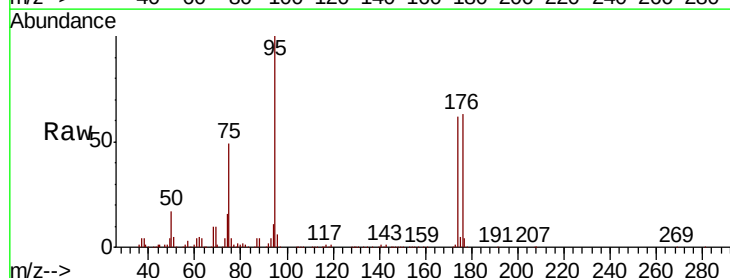
Instrument :
MSVOA_X
ClientSampleId :
SP1-B

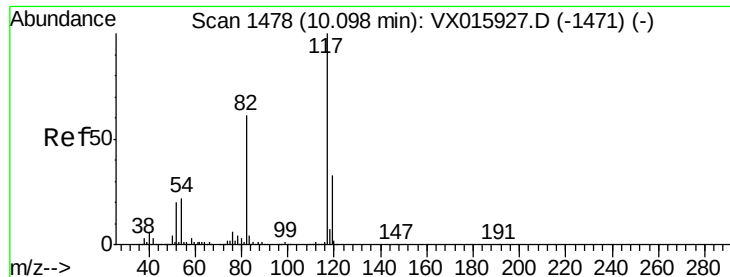
Tot Ion: 43 Resp: 41816
Ion Ratio Lower Upper
43 100
58 20.2 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 56.319 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX015957.D
Acq: 25 Apr 2020 01:24

Tgt Ion: 95 Resp: 134800
Ion Ratio Lower Upper
95 100
174 63.9 0.0 133.6
176 62.5 0.0 126.0

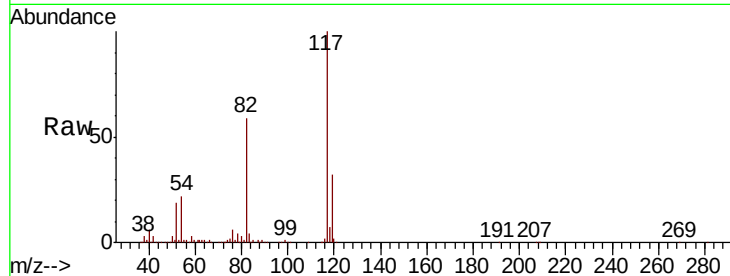




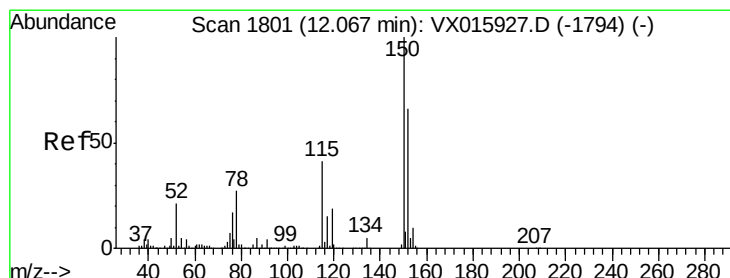
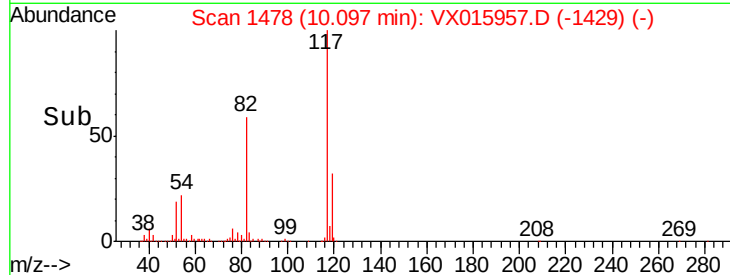
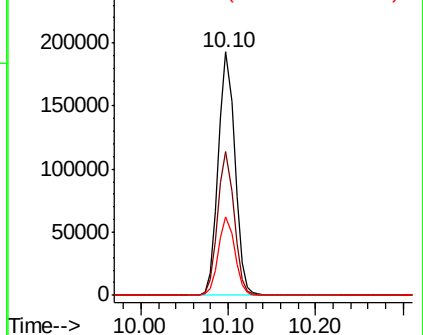
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX015957.D
Acq: 25 Apr 2020 01:24

Instrument :
MSVOA_X
ClientSampled :
SP1-B

Tot Ion:117 Resp: 253288
Ion Ratio Lower Upper
117 100
82 59.2 48.5 72.7
119 32.2 26.2 39.4

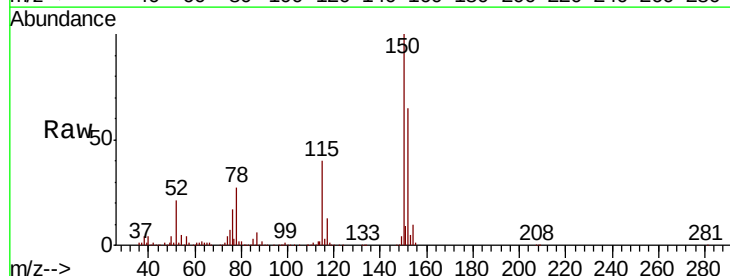


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

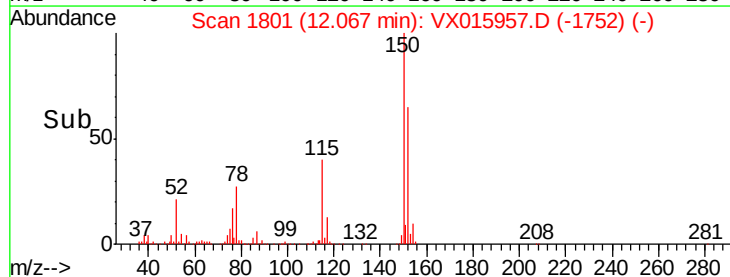
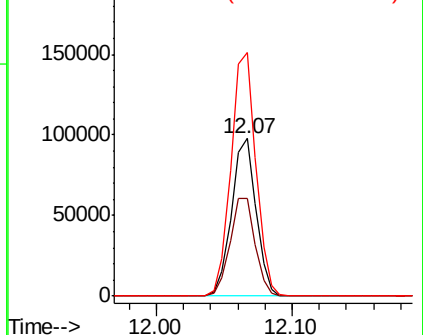


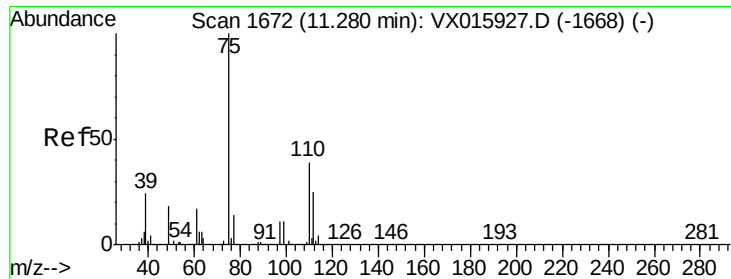
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VX015957.D
Acq: 25 Apr 2020 01:24

Tgt Ion:152 Resp: 122181
Ion Ratio Lower Upper
152 100
115 64.3 44.1 132.4
150 157.8 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

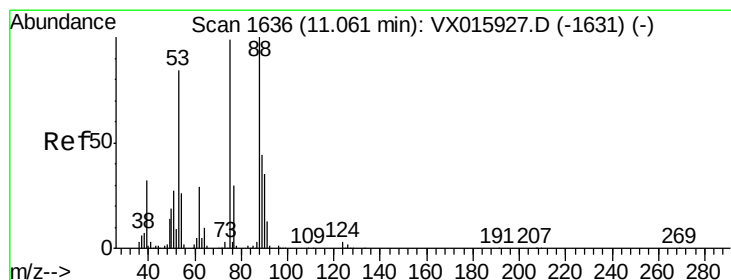
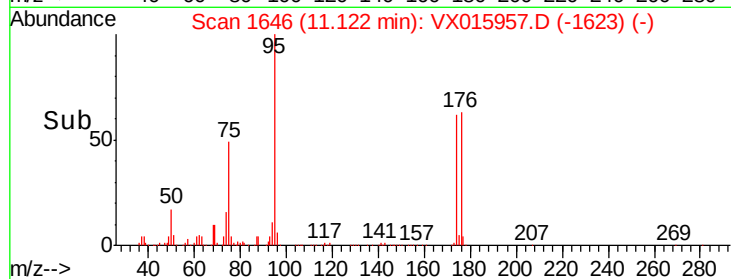
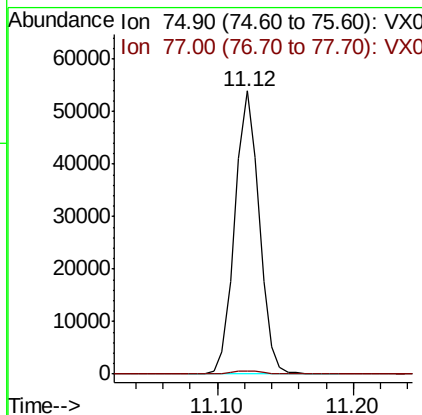
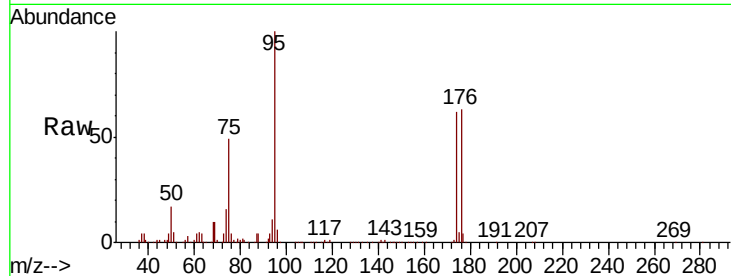




#76
 1,2,3-Trichloropropane
 Concen: 25.649 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.16 min
 Lab File: VX015957.D
 Acq: 25 Apr 2020 01:24

Instrument :
 MSVOA_X
 ClientSampleId :
 SP1-B

Tot Ion: 75 Resp: 67222
 Ion Ratio Lower Upper
 75 100
 77 1.4 22.1 66.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 57.776 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.06 min
 Lab File: VX015957.D
 Acq: 25 Apr 2020 01:24

Tgt Ion: 75 Resp: 67222
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.7 104.5#
 89 0.0 36.3 54.5#

