

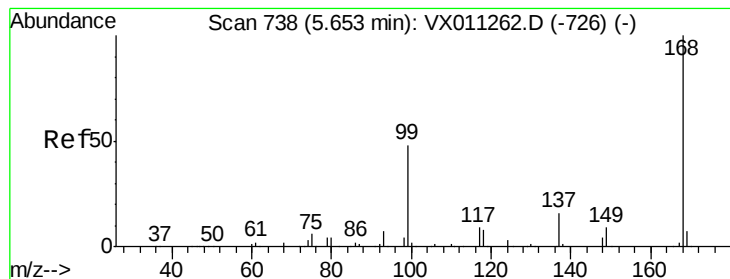
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081219\
 Data File : VX011511.D
 Acq On : 13 Aug 2019 02:46
 Operator : JC/SP
 Sample : K4230-26
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 2S-D1-(1)

Quant Time: Aug 13 07:48:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	185299	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	281252	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	260446	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	113791	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	104264	55.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.74%	
35) Dibromofluoromethane	5.49	113	87509	47.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.32%	
50) Toluene-d8	8.71	98	340627	49.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.28%	
62) 4-Bromofluorobenzene	11.13	95	109522	44.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.52%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.64	94	368	0.292	ug/l #	64
6) Chloroethane	1.73	64	427	Below Cal	#	49
11) Tert butyl alcohol	3.01	59	1826	4.930	ug/l #	88
13) Acrolein	2.29	56	81	Below Cal	#	1
16) Acetone	2.43	43	11859	13.352	ug/l	97
18) Methyl Acetate	2.78	43	1675	0.825	ug/l	98
20) Methylene Chloride	2.85	84	7005	3.601	ug/l	93
25) 2-Butanone	4.68	43	702	0.556	ug/l #	85
29) Tetrahydrofuran	5.15	42	175	0.226	ug/l #	67
36) 1,1-Dichloropropene	5.65	75	12789	5.208	ug/l #	50
38) Carbon Tetrachloride	5.65	117	18171	7.355	ug/l #	15
43) Isopropyl Acetate	6.44	43	24457	6.211	ug/l	99
48) Methyl methacrylate	7.87	41	42138	22.737	ug/l #	38
49) 1,4-Dioxane	7.80	88	28	0.521	ug/l #	29
51) 4-Methyl-2-Pentanone	8.61	43	24299	9.561	ug/l #	45
53) t-1,3-Dichloropropene	8.96	75	19	2.845	ug/l #	43
54) cis-1,3-Dichloropropene	8.61	75	11185	4.082	ug/l #	70
57) 1,3-Dichloropropane	9.54	76	2265	0.719	ug/l #	43
59) 2-Hexanone	9.54	43	27918	14.182	ug/l #	52
76) 1,2,3-Trichloropropane	11.13	75	56959	27.486	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	56959	71.277	ug/l #	10

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.01 min

Lab File: VX011511.D

Acq: 13 Aug 2019 02:46

Instrument :

MSVOA_X

ClientSampleId :

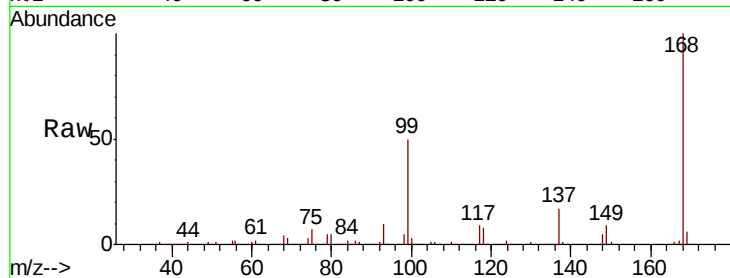
2S-D1-(1)

Tgt Ion:168 Resp: 185299

Ion Ratio Lower Upper

168 100

99 50.1 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

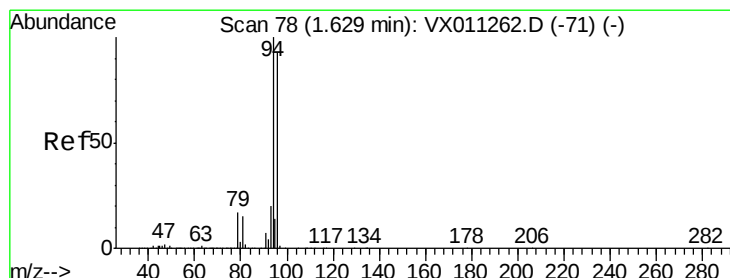
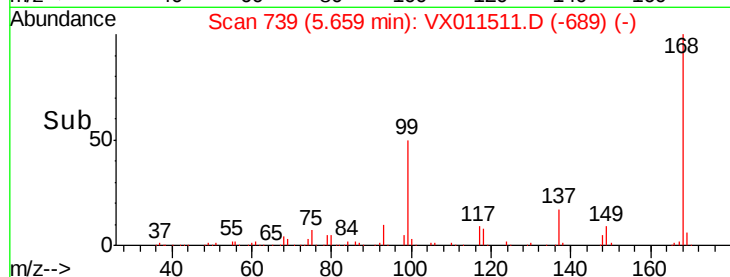
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.292 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX011511.D

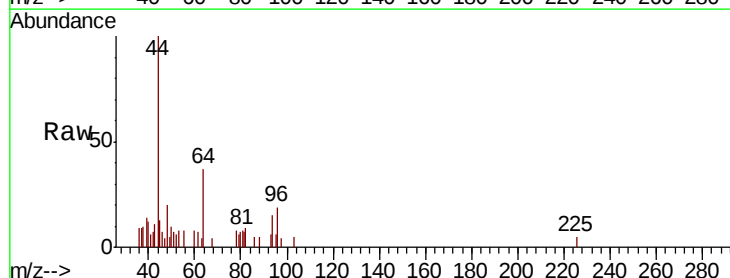
Acq: 13 Aug 2019 02:46

Tgt Ion: 94 Resp: 368

Ion Ratio Lower Upper

94 100

96 127.9 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

250

200

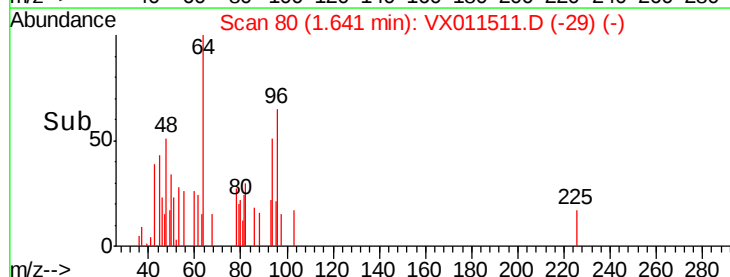
150

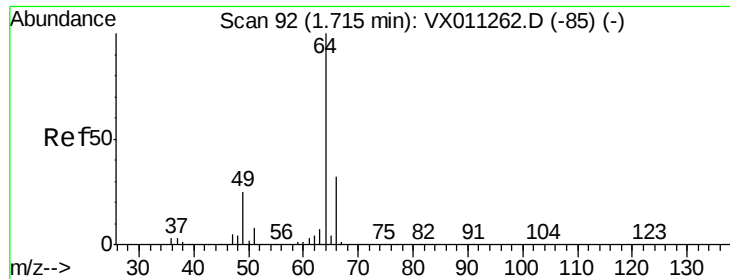
100

50

0

Time--> 1.60 1.65 1.70





#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX011511.D

Acq: 13 Aug 2019 02:46

Instrument :

MSVOA_X

ClientSampleId :

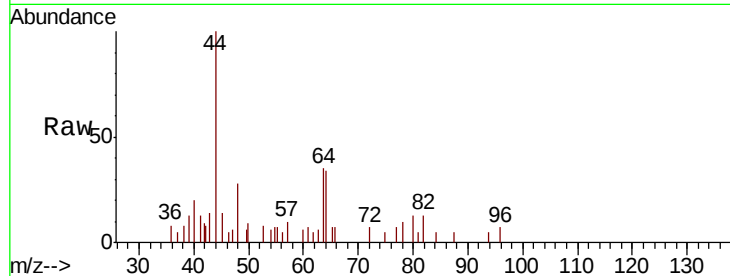
2S-D1-(1)

Tgt Ion: 64 Resp: 427

Ion Ratio Lower Upper

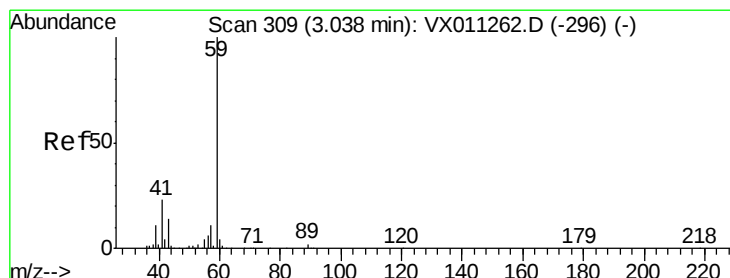
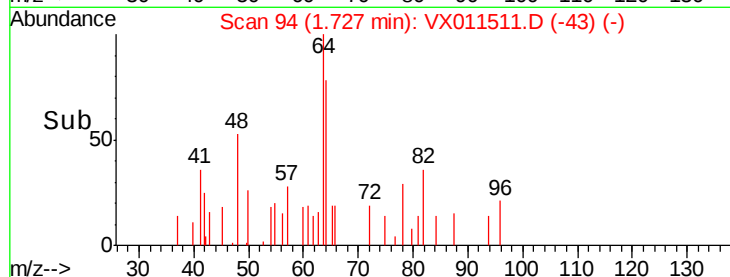
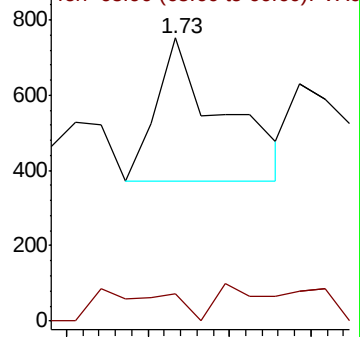
64 100

66 3.4 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#11

Tert butyl alcohol

Concen: 4.930 ug/l

RT: 3.01 min Scan# 304

Delta R.T. -0.03 min

Lab File: VX011511.D

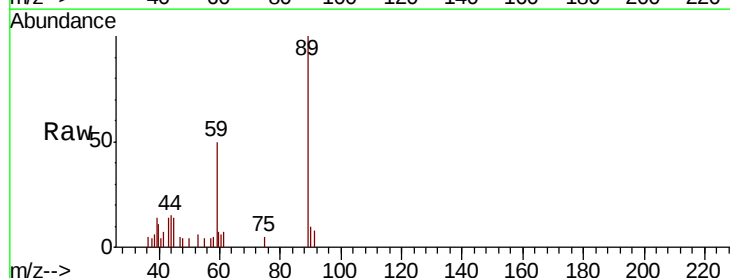
Acq: 13 Aug 2019 02:46

Tgt Ion: 59 Resp: 1826

Ion Ratio Lower Upper

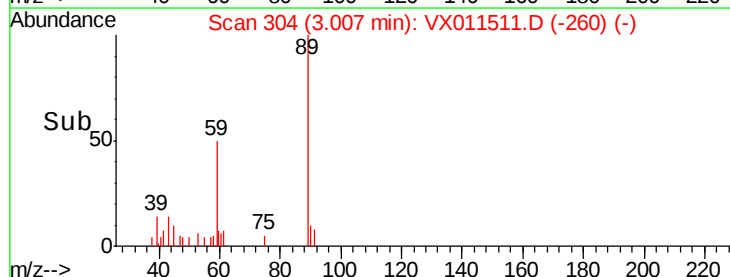
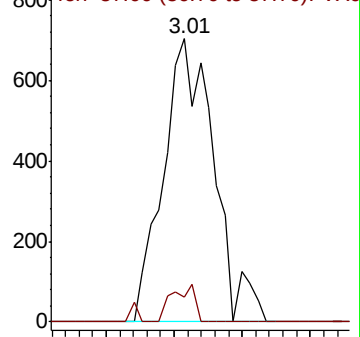
59 100

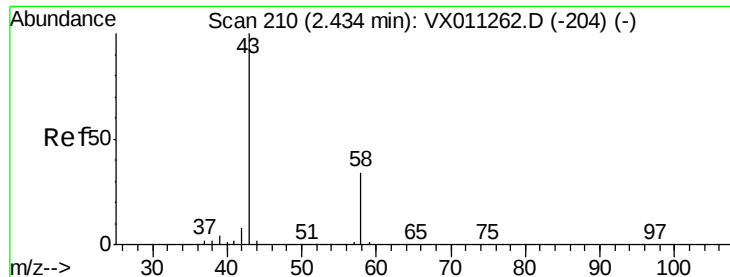
57 5.9 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 13.352 ug/l

RT: 2.43 min Scan# 210

Delta R.T. -0.00 min

Lab File: VX011511.D

Acq: 13 Aug 2019 02:46

Instrument :

MSVOA_X

ClientSampleId :

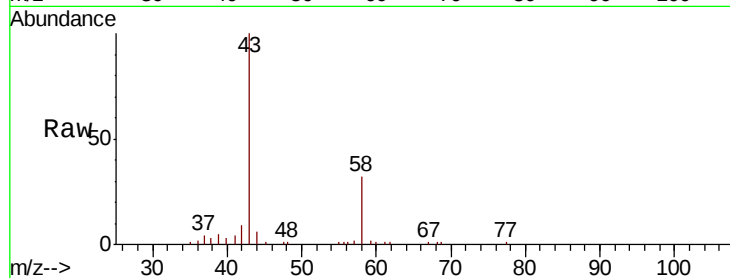
2S-D1-(1)

Tgt Ion: 43 Resp: 11859

Ion Ratio Lower Upper

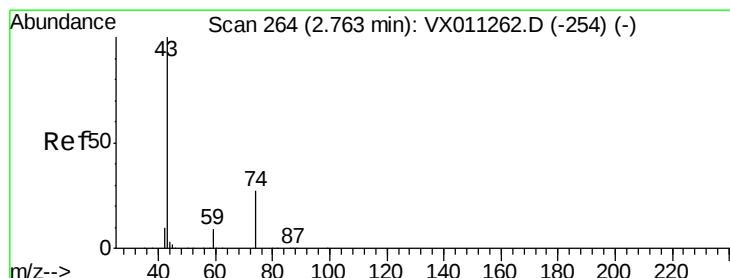
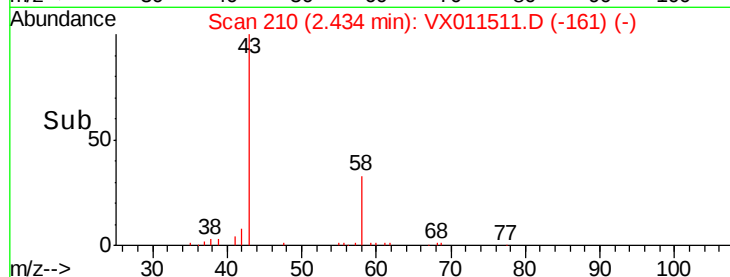
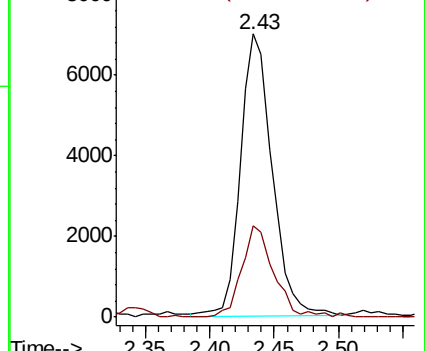
43 100

58 32.5 27.4 41.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 0.825 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.01 min

Lab File: VX011511.D

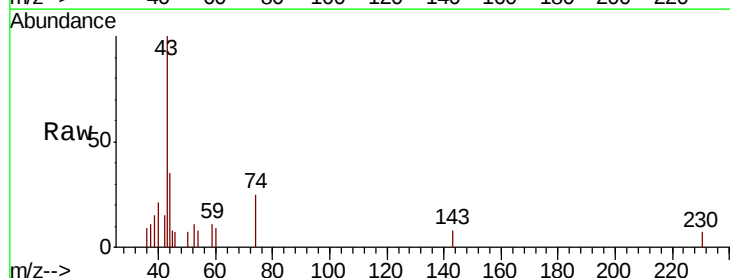
Acq: 13 Aug 2019 02:46

Tgt Ion: 43 Resp: 1675

Ion Ratio Lower Upper

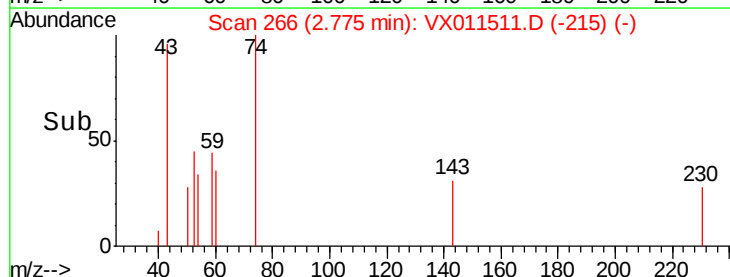
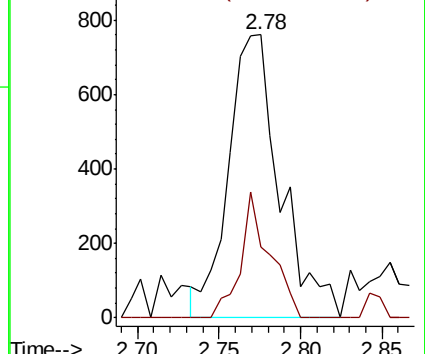
43 100

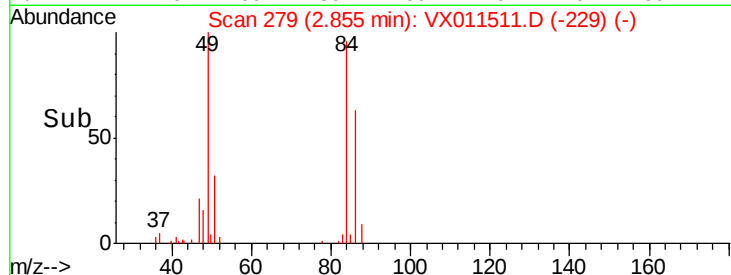
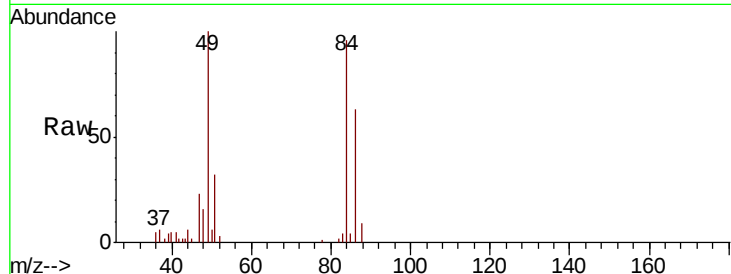
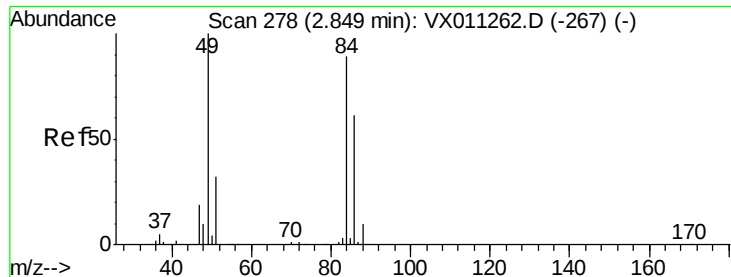
74 25.1 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

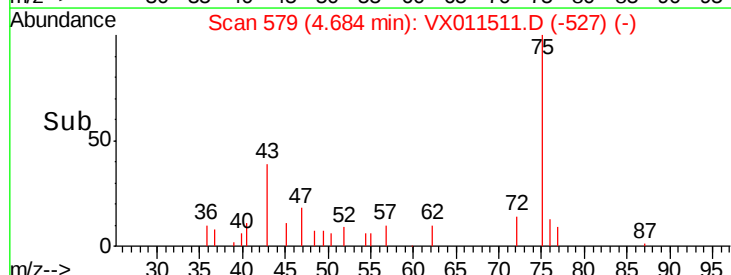
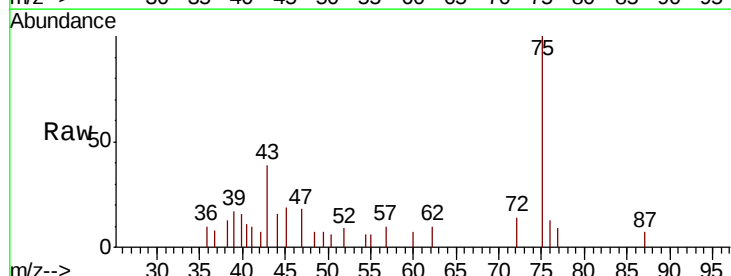
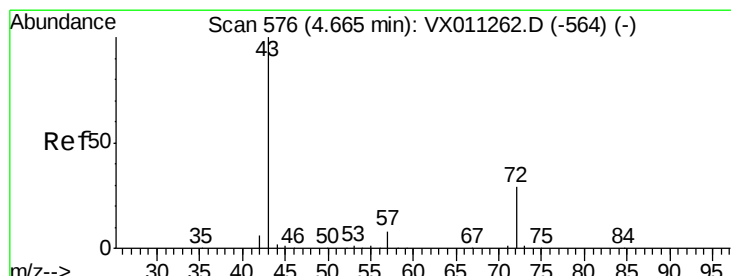
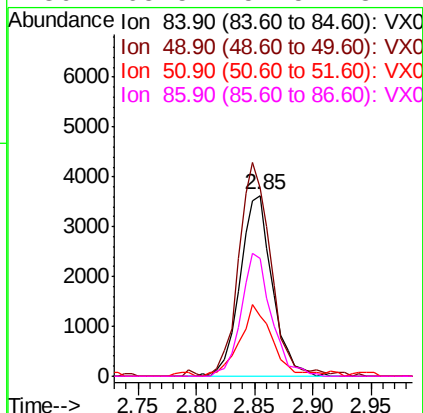




#20
Methylene Chloride
Concen: 3.601 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.01 min
Lab File: VX011511.D
Acq: 13 Aug 2019 02:46

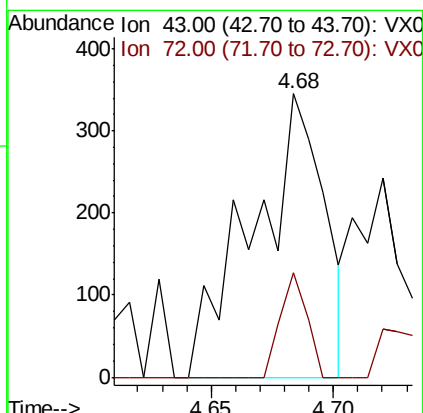
Instrument :
MSVOA_X
ClientSampleId :
2S-D1-(1)

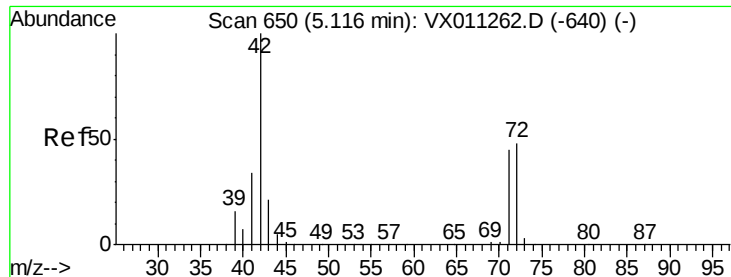
Tgt Ion:	84	Resp:	7005
Ion	Ratio	Lower	Upper
84	100		
49	102.3	89.3	133.9
51	31.6	28.3	42.5
86	65.5	54.5	81.7



#25
2-Butanone
Concen: 0.556 ug/l
RT: 4.68 min Scan# 579
Delta R.T. 0.02 min
Lab File: VX011511.D
Acq: 13 Aug 2019 02:46

Tgt Ion:	43	Resp:	702
Ion	Ratio	Lower	Upper
43	100		
72	36.8	23.2	34.8#

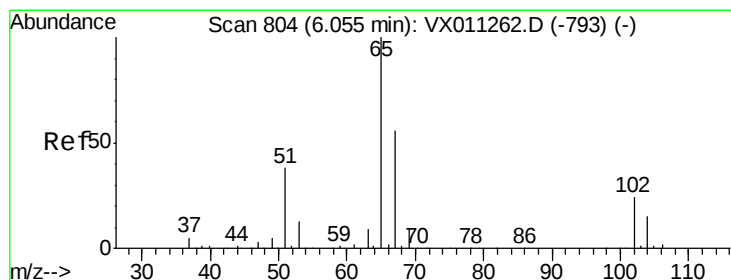
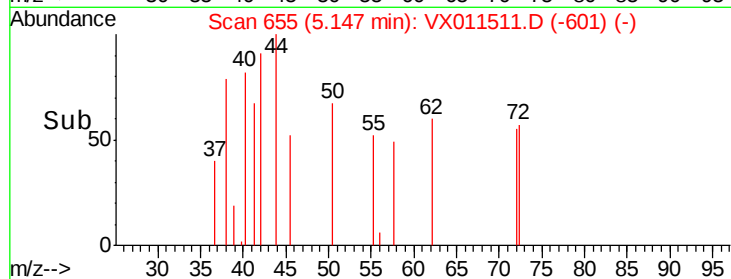
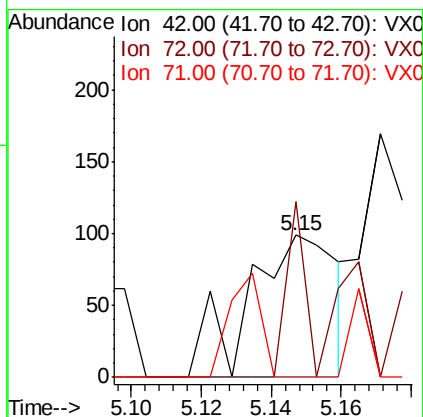
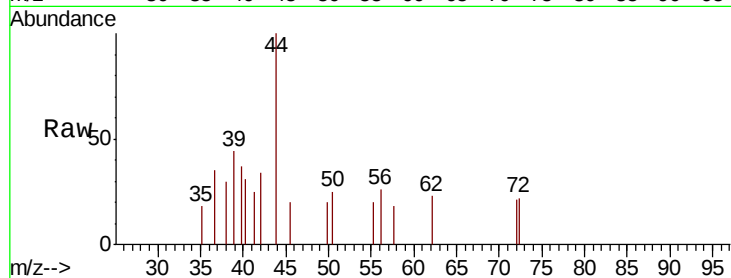




#29
Tetrahydrofuran
Concen: 0.226 ug/l
RT: 5.15 min Scan# 655
Delta R.T. 0.03 min
Lab File: VX011511.D
Acq: 13 Aug 2019 02:46

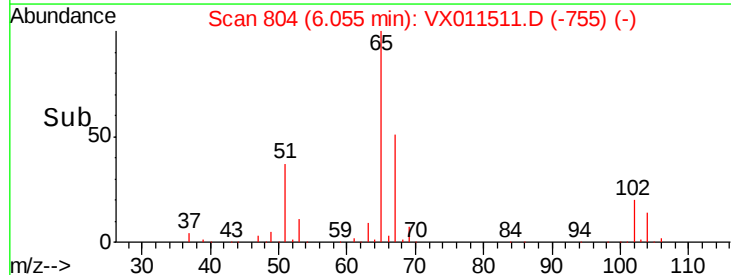
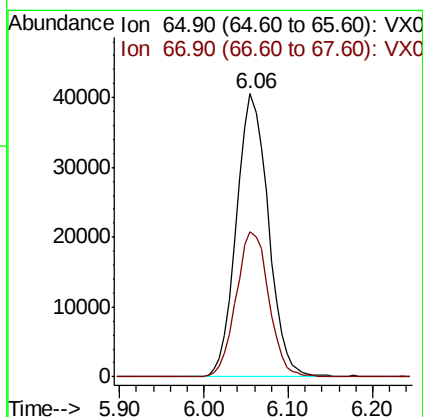
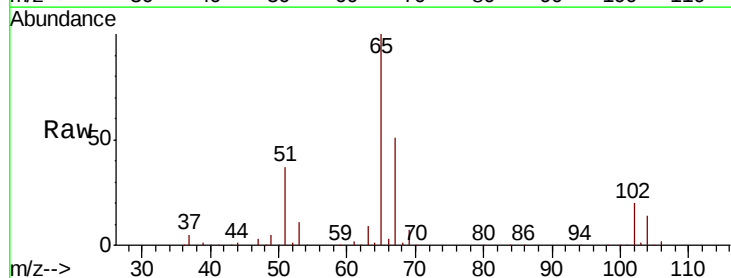
Instrument :
MSVOA_X
ClientSampleId :
2S-D1-(1)

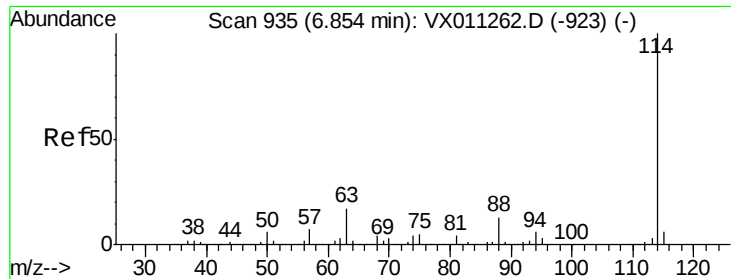
Tgt Ion: 42 Resp: 175
Ion Ratio Lower Upper
42 100
72 25.7 39.9 59.9#
71 26.3 36.9 55.3#



#33
1,2-Dichloroethane-d4
Concen: 55.874 ug/l
RT: 6.06 min Scan# 804
Delta R.T. -0.00 min
Lab File: VX011511.D
Acq: 13 Aug 2019 02:46

Tgt Ion: 65 Resp: 104264
Ion Ratio Lower Upper
65 100
67 52.5 0.0 110.6

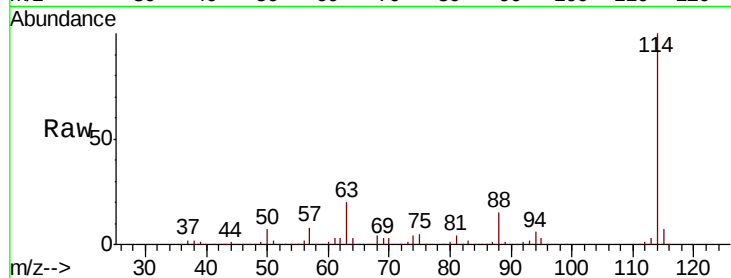




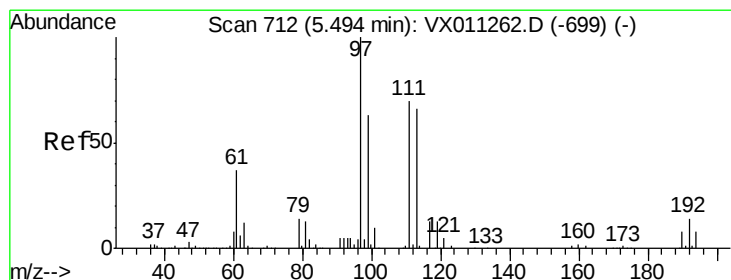
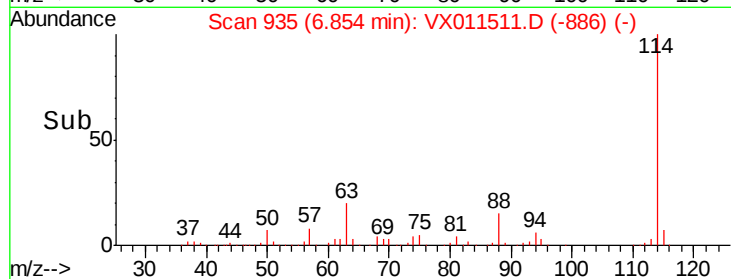
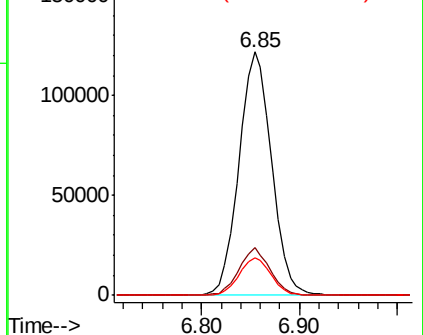
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 935
Delta R.T. -0.00 min
Lab File: VX011511.D
Acq: 13 Aug 2019 02:46

Instrument :
MSVOA_X
ClientSampleId :
2S-D1-(1)

Tgt Ion:114 Resp: 281252
Ion Ratio Lower Upper
114 100
63 19.4 0.0 34.0
88 15.3 0.0 26.4

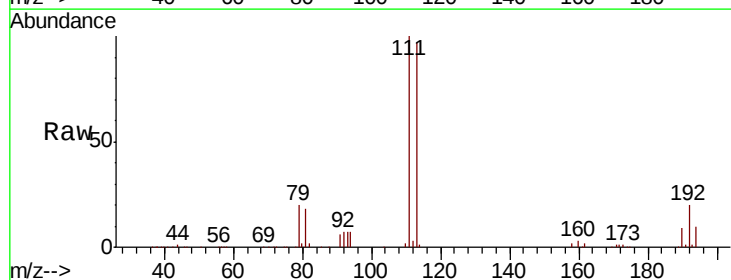


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

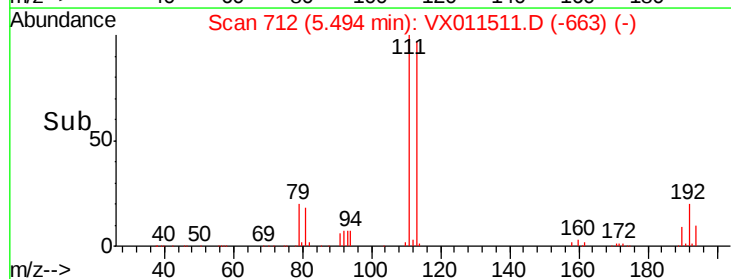
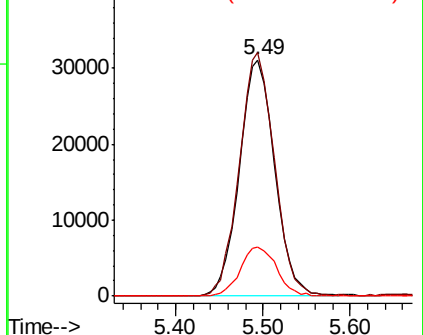


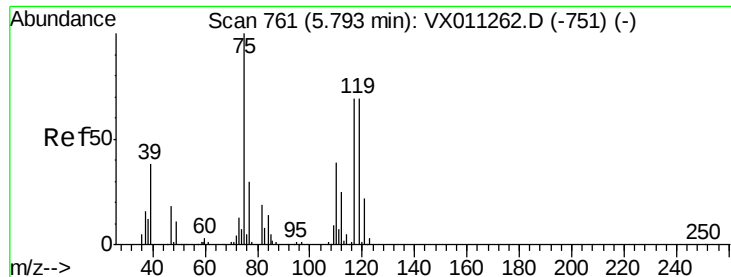
#35
Dibromofluoromethane
Concen: 47.657 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX011511.D
Acq: 13 Aug 2019 02:46

Tgt Ion:113 Resp: 87509
Ion Ratio Lower Upper
113 100
111 102.5 81.9 122.9
192 21.6 17.8 26.8



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

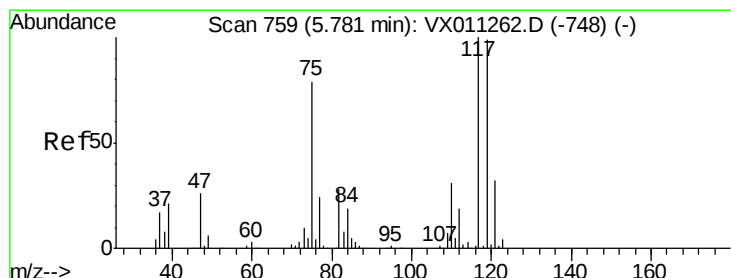
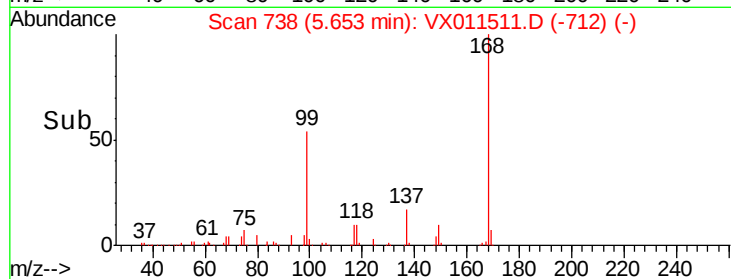
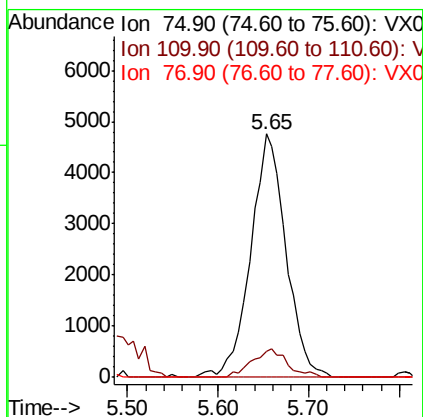
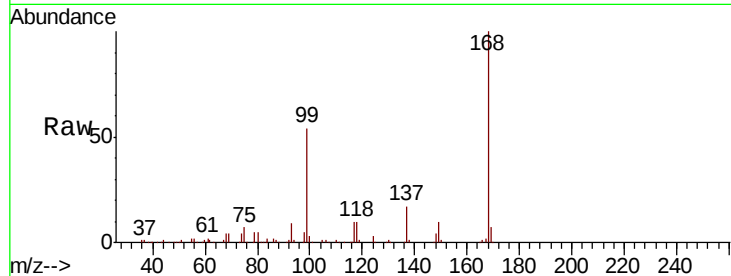




#36
 1,1-Dichloropropene
 Concen: 5.208 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.14 min
 Lab File: VX011511.D
 Acq: 13 Aug 2019 02:46

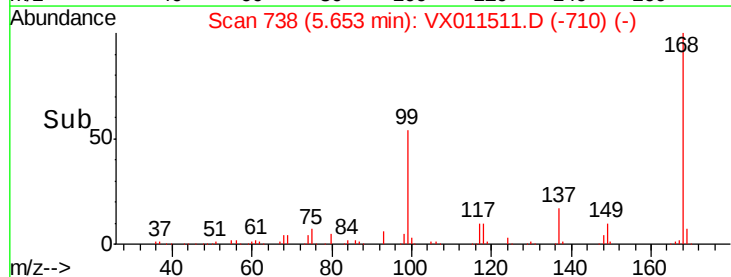
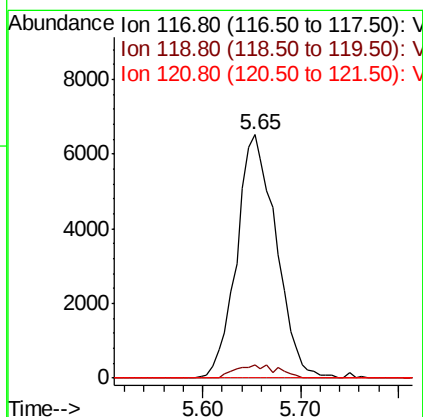
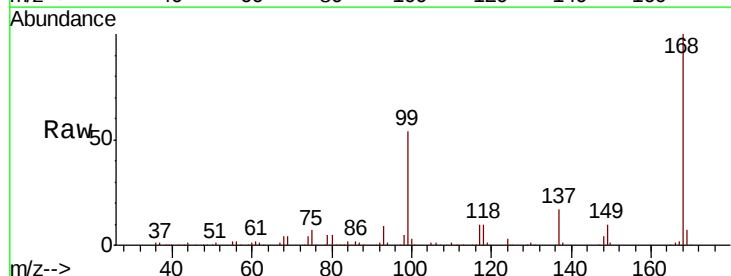
Instrument :
 MSVOA_X
 ClientSampleId :
 2S-D1-(1)

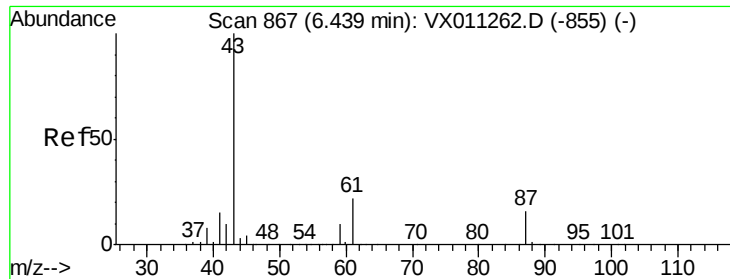
Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.6	20.0	59.9#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 7.355 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.13 min
 Lab File: VX011511.D
 Acq: 13 Aug 2019 02:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.4	79.0	118.4#
121	0.0	25.9	38.9#





#43

Isopropyl Acetate

Concen: 6.211 ug/l

RT: 6.44 min Scan# 867

Delta R.T. 0.00 min

Lab File: VX011511.D

Acq: 13 Aug 2019 02:46

Instrument :

MSVOA_X

ClientSampleId :

2S-D1-(1)

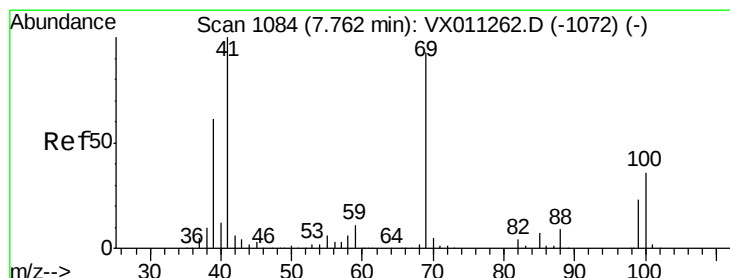
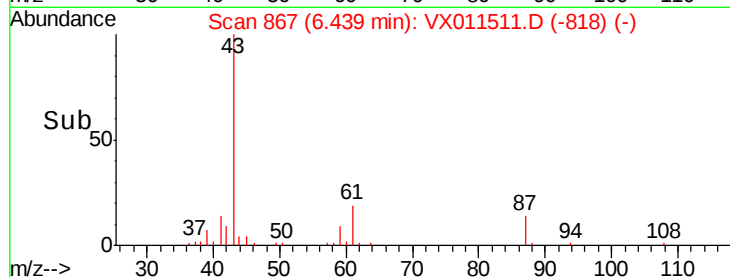
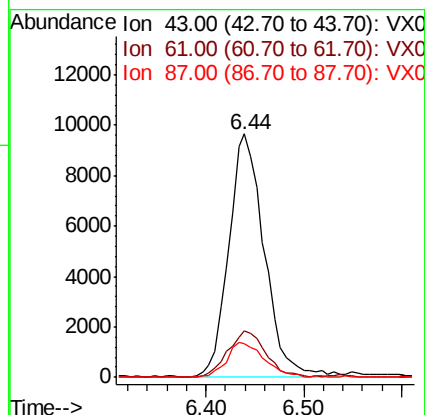
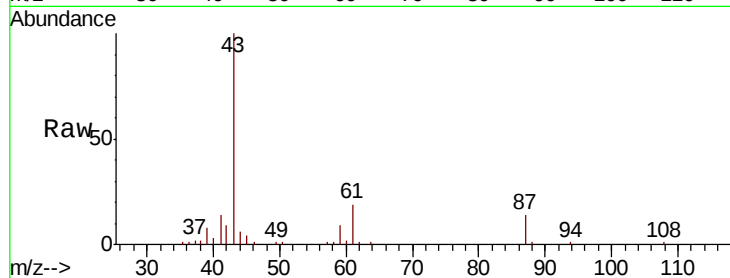
Tgt Ion: 43 Resp: 24457

Ion Ratio Lower Upper

43 100

61 20.1 16.5 24.7

87 15.0 12.1 18.1



#48

Methyl methacrylate

Concen: 22.737 ug/l

RT: 7.87 min Scan# 1102

Delta R.T. 0.11 min

Lab File: VX011511.D

Acq: 13 Aug 2019 02:46

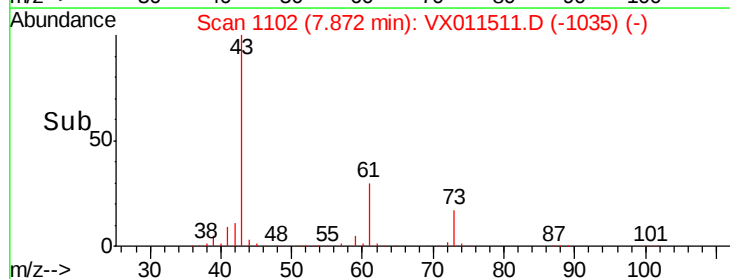
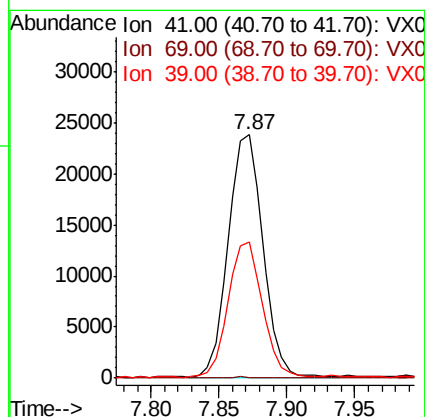
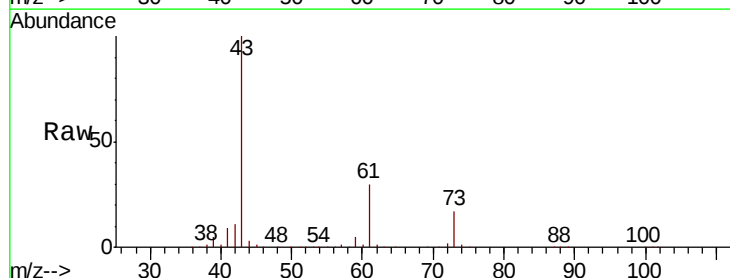
Tgt Ion: 41 Resp: 42138

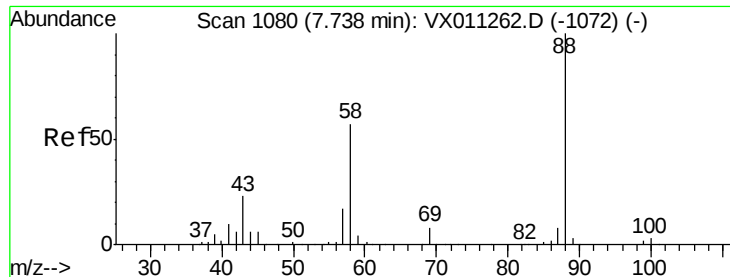
Ion Ratio Lower Upper

41 100

69 0.3 74.5 111.7#

39 54.7 48.6 72.8

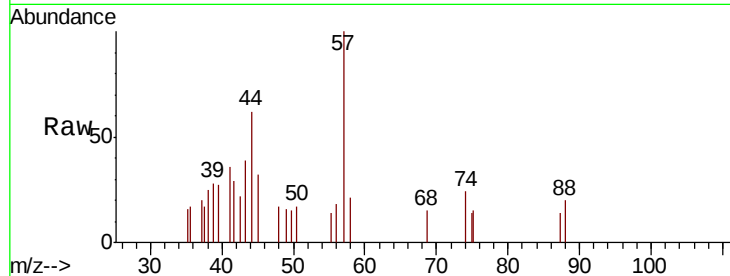




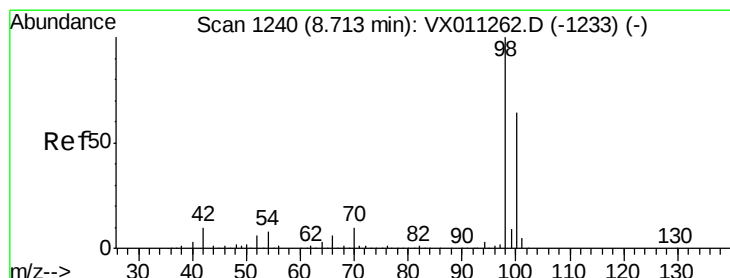
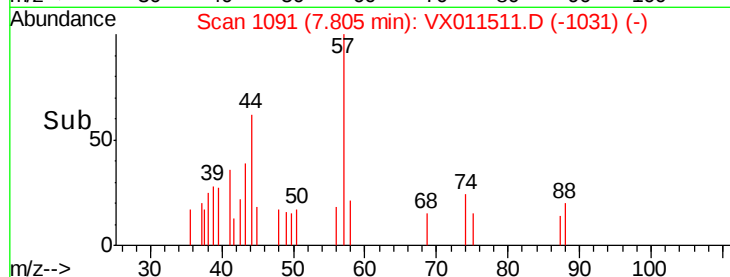
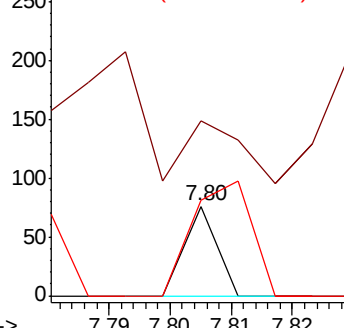
#49
1,4-Dioxane
Concen: 0.521 ug/l
RT: 7.80 min Scan# 1091
Delta R.T. 0.07 min
Lab File: VX011511.D
Acq: 13 Aug 2019 02:46

Instrument :
MSVOA_X
ClientSampled :
2S-D1-(1)

Tgt Ion: 88 Resp: 28
Ion Ratio Lower Upper
88 100
43 0.0 22.2 33.2#
58 0.0 47.8 71.8#

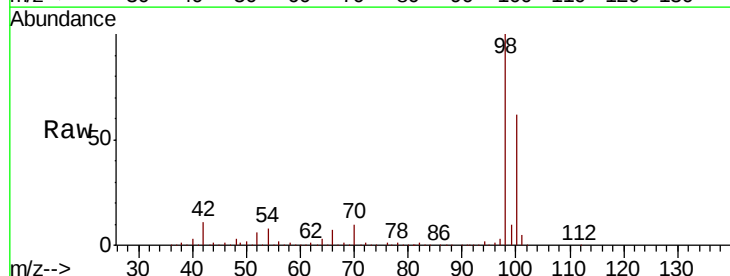


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

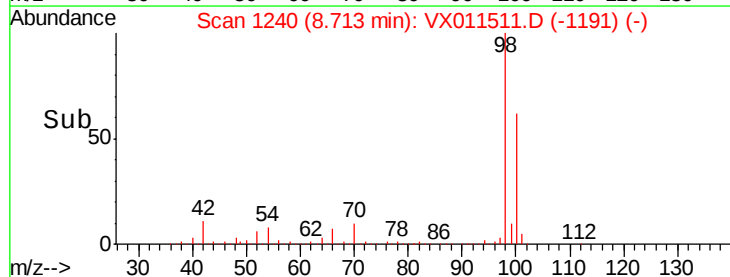
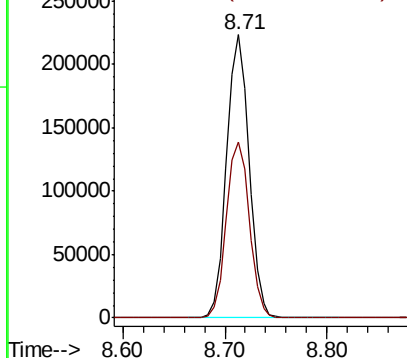


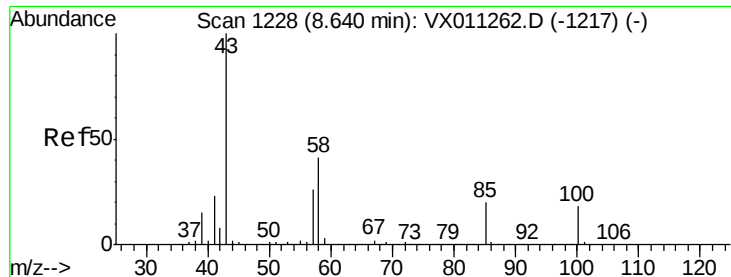
#50
Toluene-d8
Concen: 49.144 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011511.D
Acq: 13 Aug 2019 02:46

Tgt Ion: 98 Resp: 340627
Ion Ratio Lower Upper
98 100
100 63.7 51.7 77.5



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





#51

4-Methyl-2-Pentanone

Concen: 9.561 ug/l

RT: 8.61 min Scan# 1223

Delta R.T. -0.03 min

Lab File: VX011511.D

Acq: 13 Aug 2019 02:46

Instrument :

MSVOA_X

ClientSampleId :

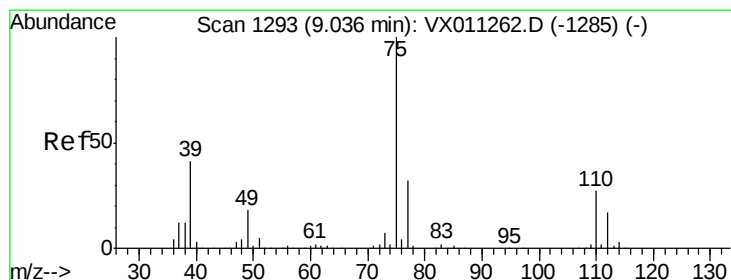
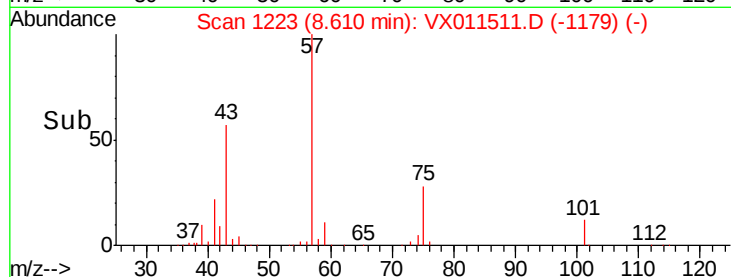
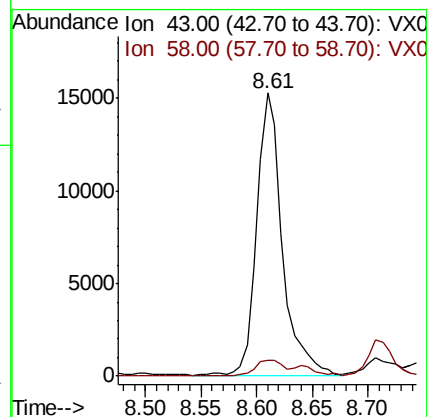
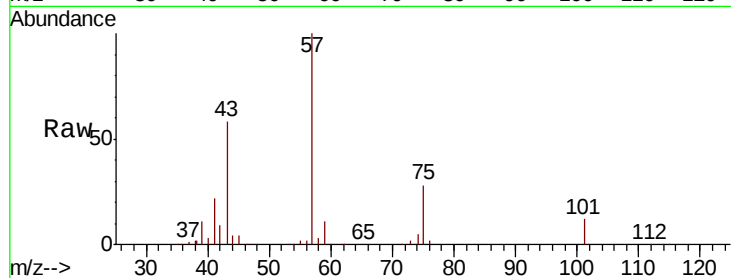
2S-D1-(1)

Tgt Ion: 43 Resp: 24299

Ion Ratio Lower Upper

43 100

58 6.4 32.3 48.5#



#53

t-1,3-Dichloropropene

Concen: 2.845 ug/l

RT: 8.96 min Scan# 1281

Delta R.T. -0.07 min

Lab File: VX011511.D

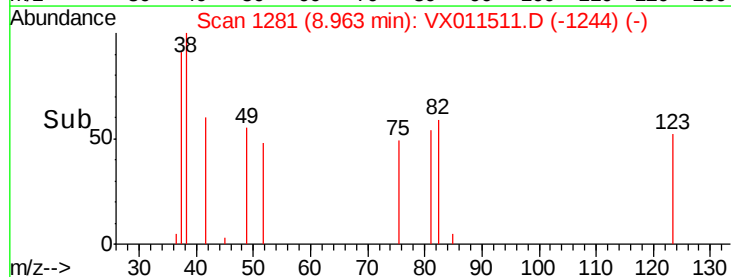
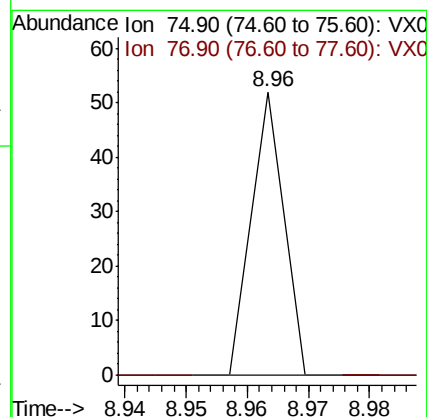
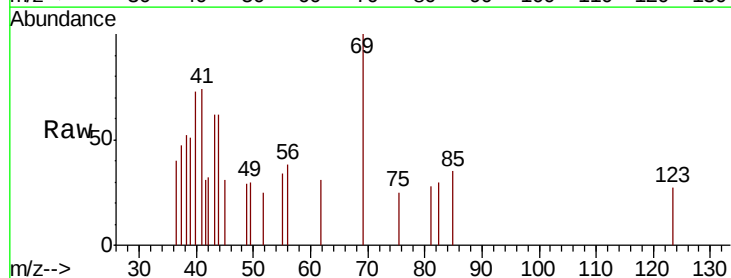
Acq: 13 Aug 2019 02:46

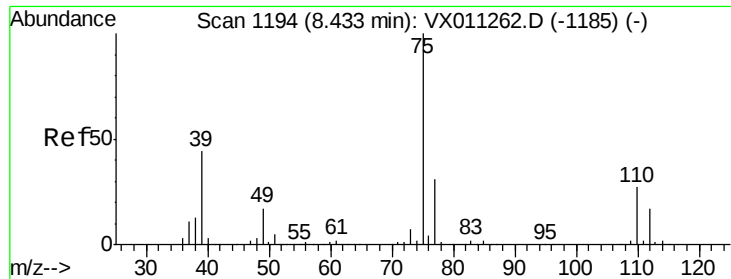
Tgt Ion: 75 Resp: 19

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#



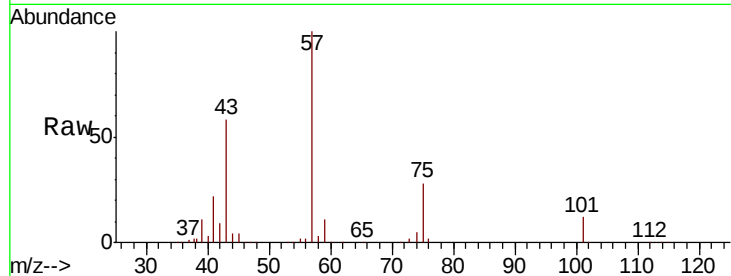


#54

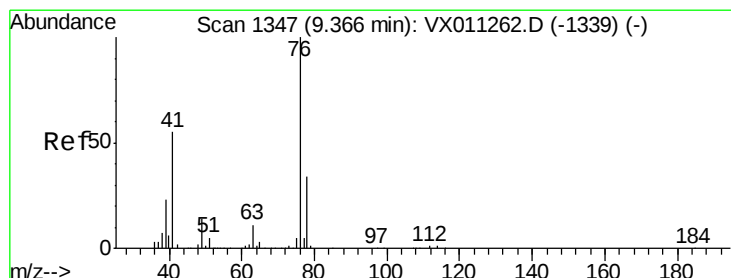
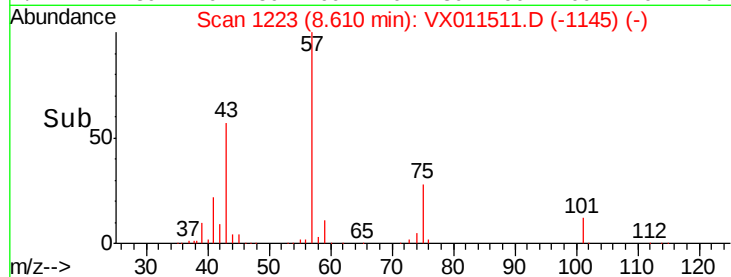
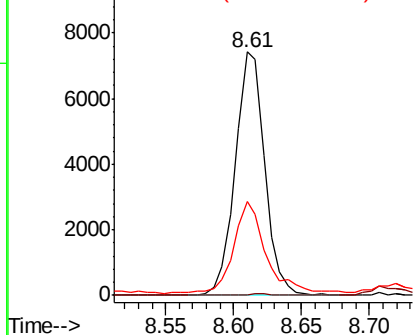
cis-1,3-Dichloropropene
 Concen: 4.082 ug/l
 RT: 8.61 min Scan# 1223
 Delta R.T. 0.18 min
 Lab File: VX011511.D
 Acq: 13 Aug 2019 02:46

Instrument :
 MSVOA_X
 ClientSampleId :
 2S-D1-(1)

Tgt Ion: 75 Resp: 11185
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.6#
 39 36.9 35.3 52.9



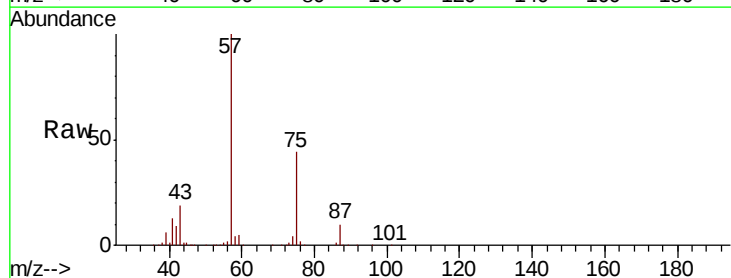
Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 76.90 (76.60 to 77.60): VX0
 Ion 39.00 (38.70 to 39.70): VX0



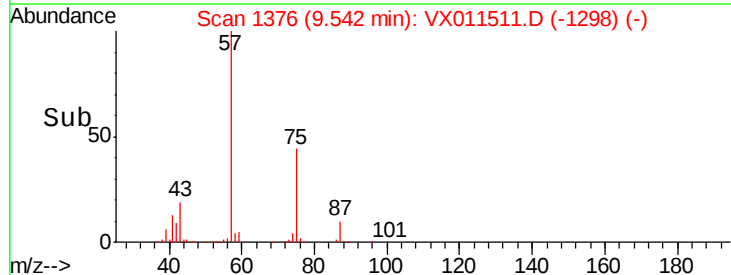
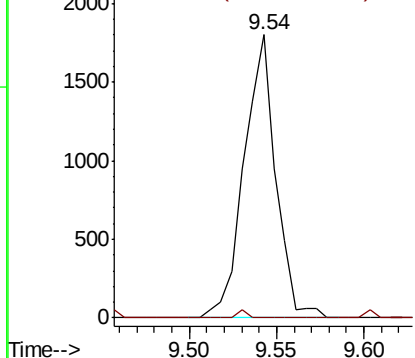
#57

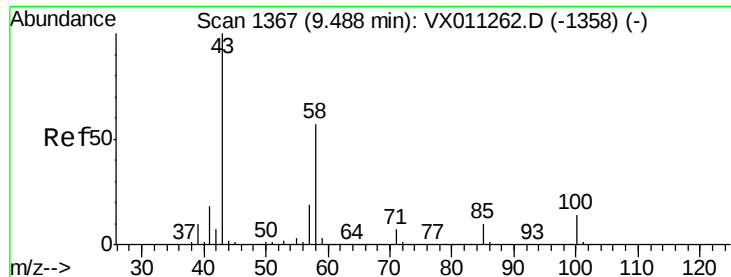
1,3-Dichloropropane
 Concen: 0.719 ug/l
 RT: 9.54 min Scan# 1376
 Delta R.T. 0.18 min
 Lab File: VX011511.D
 Acq: 13 Aug 2019 02:46

Tgt Ion: 76 Resp: 2265
 Ion Ratio Lower Upper
 76 100
 78 0.9 26.6 40.0#



Abundance Ion 75.90 (75.60 to 76.60): VX0
 Ion 77.90 (77.60 to 78.60): VX0

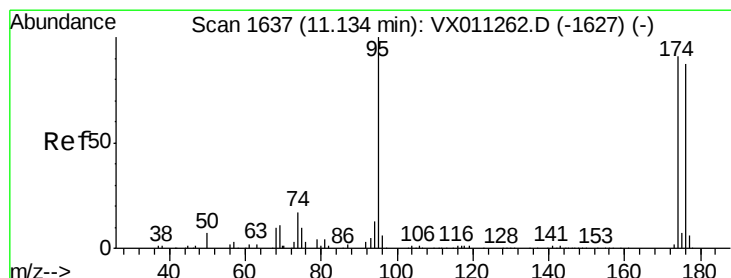
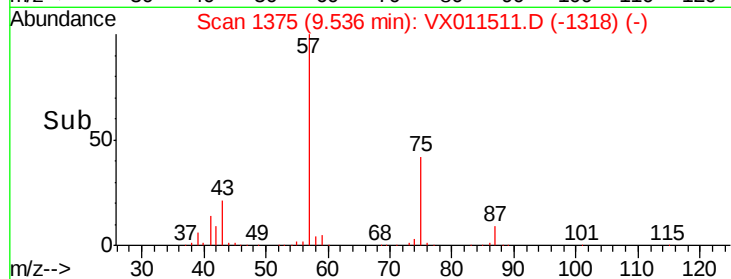
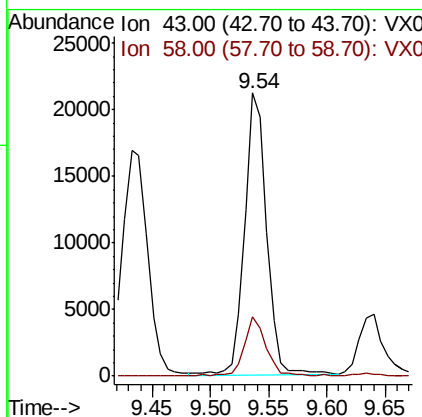
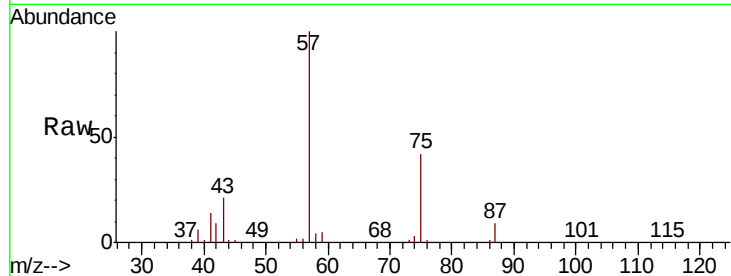




#59
2-Hexanone
Concen: 14.182 ug/l
RT: 9.54 min Scan# 1375
Delta R.T. 0.05 min
Lab File: VX011511.D
Acq: 13 Aug 2019 02:46

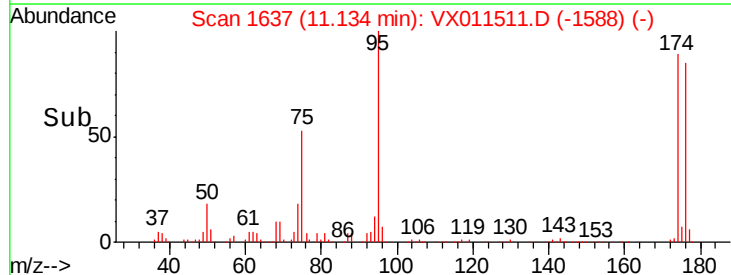
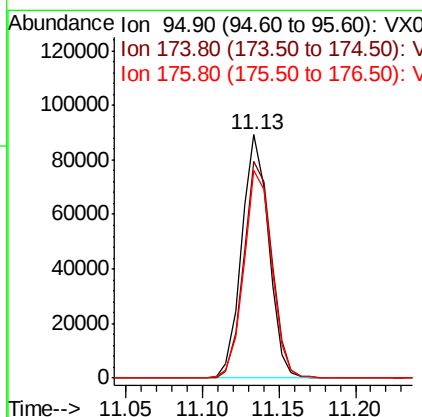
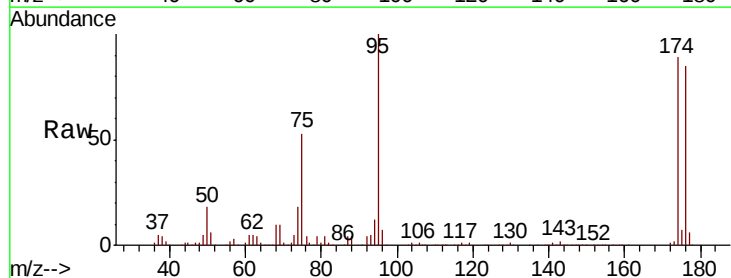
Instrument :
MSVOA_X
ClientSampleId :
2S-D1-(1)

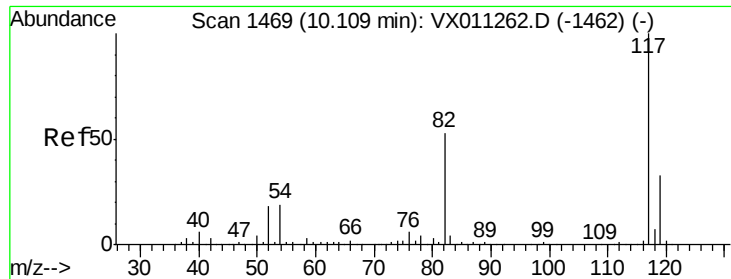
Tgt Ion: 43 Resp: 27918
Ion Ratio Lower Upper
43 100
58 21.3 28.2 84.6#



#62
4-Bromofluorobenzene
Concen: 44.258 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX011511.D
Acq: 13 Aug 2019 02:46

Tgt Ion: 95 Resp: 109522
Ion Ratio Lower Upper
95 100
174 92.7 0.0 191.2
176 88.3 0.0 184.8

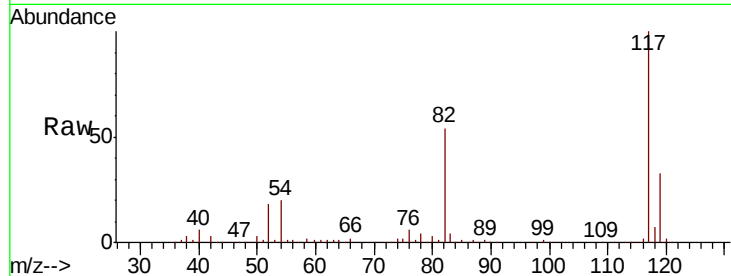




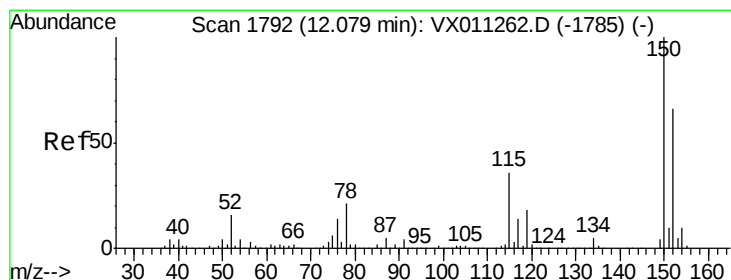
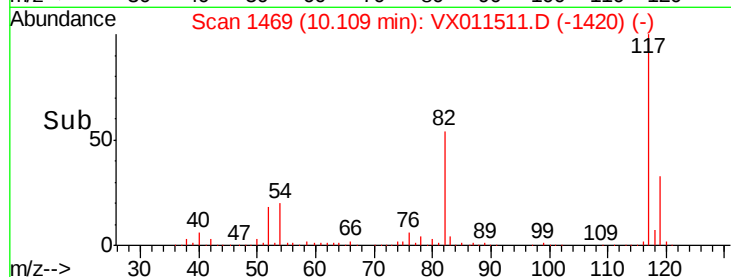
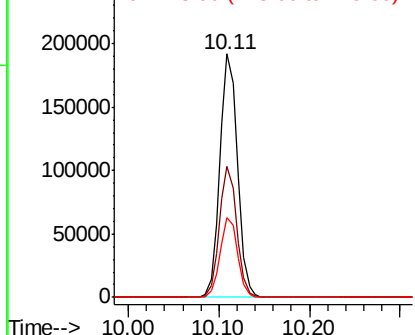
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011511.D
Acq: 13 Aug 2019 02:46

Instrument :
MSVOA_X
ClientSampled :
2S-D1-(1)

Tgt Ion:117 Resp: 260446
Ion Ratio Lower Upper
117 100
82 53.8 42.2 63.2
119 32.9 26.6 39.8

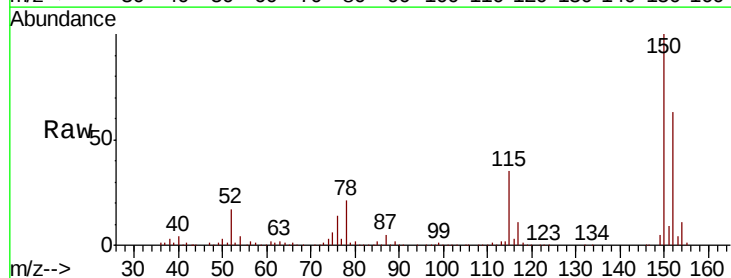


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX
Ion 118.90 (118.60 to 119.60): V

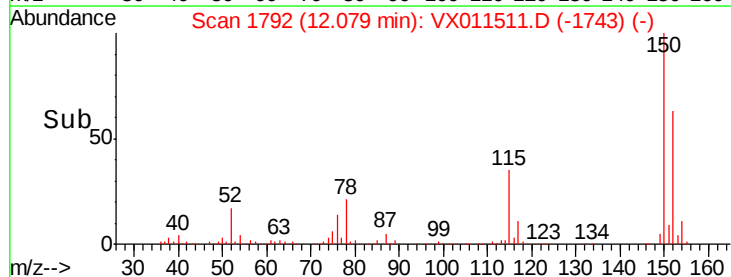
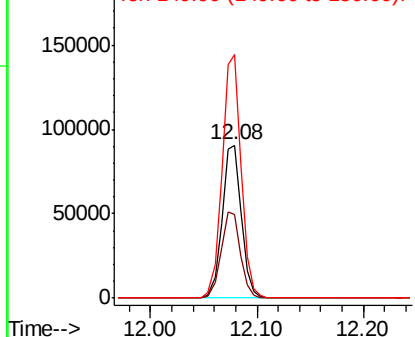


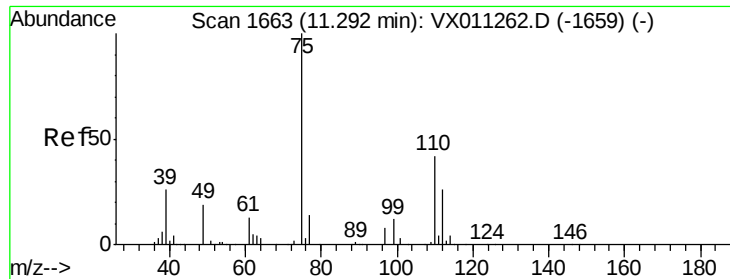
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX011511.D
Acq: 13 Aug 2019 02:46

Tgt Ion:152 Resp: 113791
Ion Ratio Lower Upper
152 100
115 56.4 40.0 119.9
150 157.5 0.0 350.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V

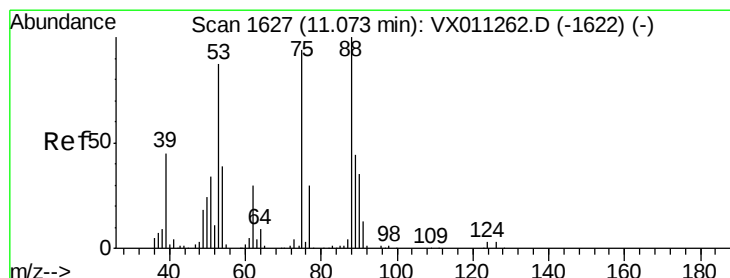
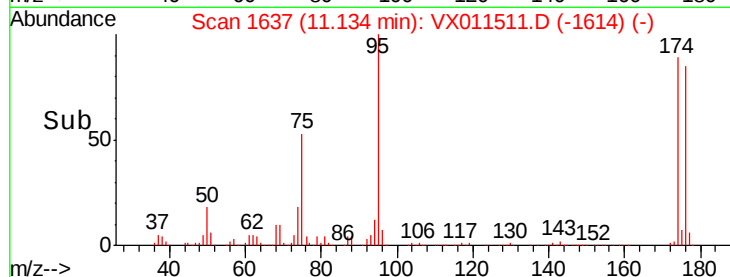
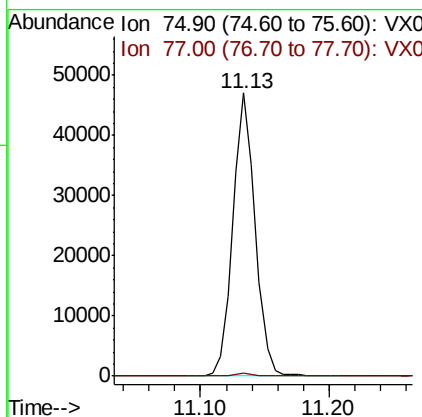
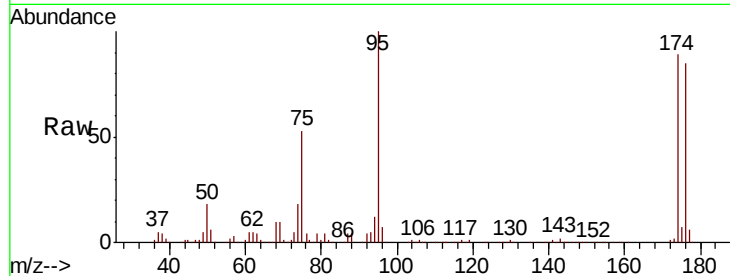




#76
 1,2,3-Trichloropropane
 Concen: 27.486 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX011511.D
 Acq: 13 Aug 2019 02:46

Instrument :
 MSVOA_X
 ClientSampleId :
 2S-D1-(1)

Tgt Ion: 75 Resp: 56959
 Ion Ratio Lower Upper
 75 100
 77 1.1 21.1 63.4#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.277 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX011511.D
 Acq: 13 Aug 2019 02:46

Tgt Ion: 75 Resp: 56959
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.2 117.4#
 89 0.0 37.9 56.9#

