

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX041219\
 Data File : VX008879.D
 Acq On : 12 Apr 2019 12:24
 Operator : JC/SP
 Sample : K2342-14
 Misc : 3.43g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-12-D2ME

Quant Time: Apr 13 04:57:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	160435	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	258865	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	231419	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	114239	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	104577	44.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.38%	
35) Dibromofluoromethane	5.50	113	74353	44.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.84%	
50) Toluene-d8	8.71	98	326875	49.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.20%	
62) 4-Bromofluorobenzene	11.14	95	118475	50.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.40%	

Target Compounds

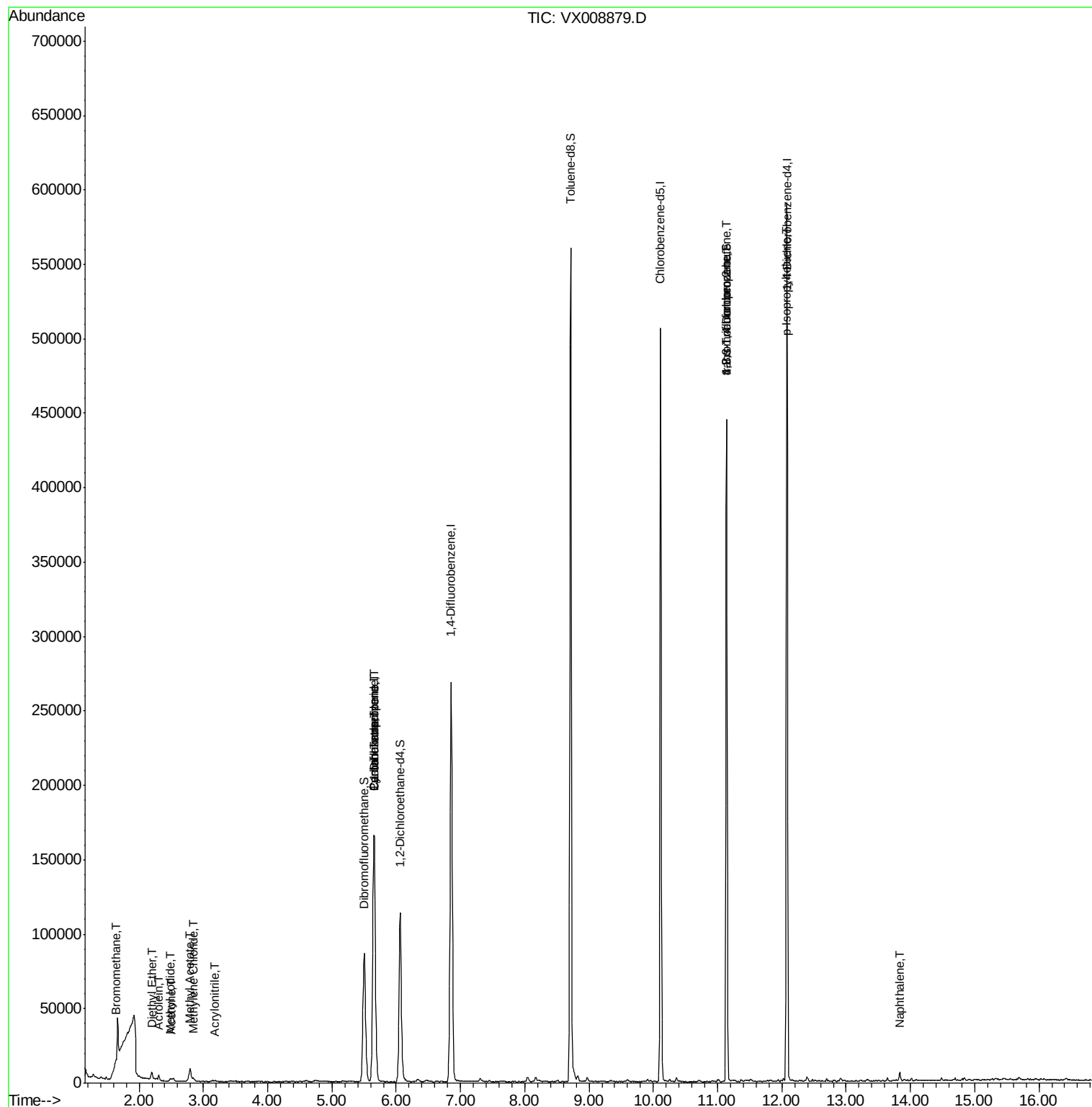
					Qvalue
3) Chloromethane	1.32	50	424	Below Cal	96
5) Bromomethane	1.64	94	1043	2.701 ug/l	99
6) Chloroethane	1.70	64	214	Below Cal #	19
8) Diethyl Ether	2.20	74	1521	1.162 ug/l	85
10) Methyl Iodide	2.48	142	708	4.406 ug/l #	96
13) Acrolein	2.31	56	145	0.534 ug/l #	59
15) Acrylonitrile	3.18	53	552	0.380 ug/l #	77
16) Acetone	2.50	43	2135	1.584 ug/l	90
17) Carbon Disulfide	2.53	76	2866	Below Cal #	94
18) Methyl Acetate	2.79	43	9626	2.945 ug/l #	87
20) Methylene Chloride	2.85	84	1000	0.443 ug/l	88
28) Bromochloromethane	5.02	49	152	Below Cal #	22
31) Cyclohexane	5.65	56	4186	1.035 ug/l #	1
36) 1,1-Dichloropropene	5.66	75	13033	4.606 ug/l #	51
38) Carbon Tetrachloride	5.66	117	15394	6.573 ug/l #	17
76) 1,2,3-Trichloropropane	11.14	75	61572	19.620 ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.14	75	61572	54.083 ug/l #	9
86) p-Isopropyltoluene	12.07	119	2820	0.346 ug/l #	84
95) Naphthalene	13.83	128	3318	0.353 ug/l	99

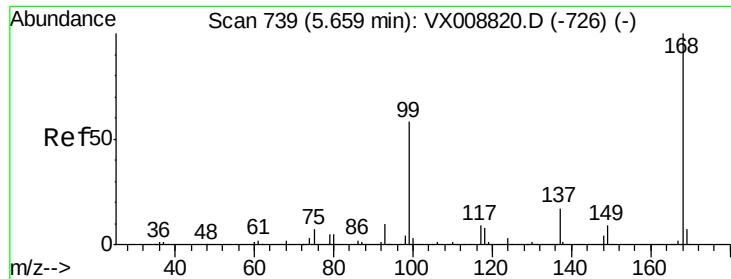
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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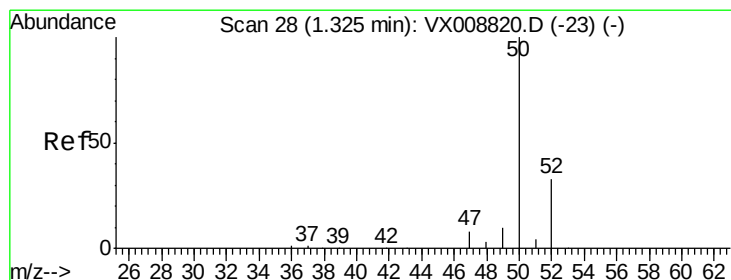
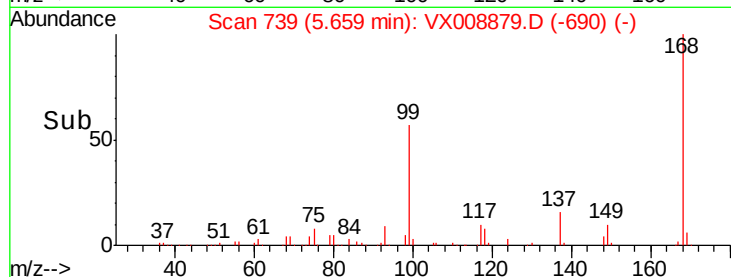
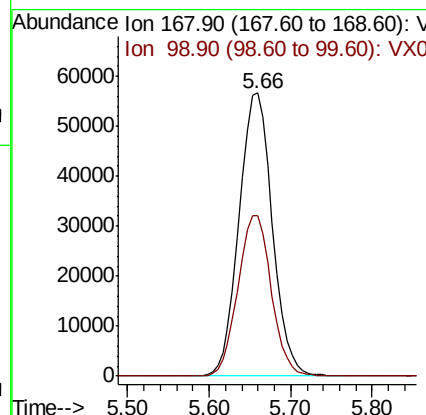
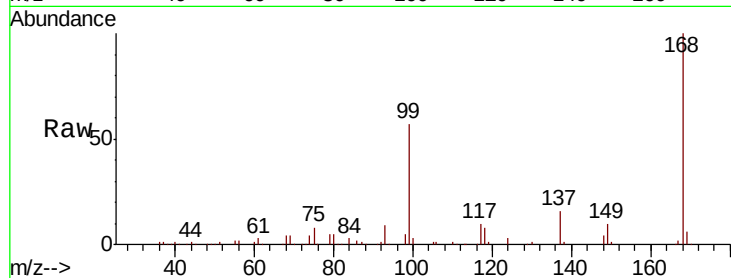




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.00 min
Lab File: VX008879.D
Acq: 12 Apr 2019 12:24

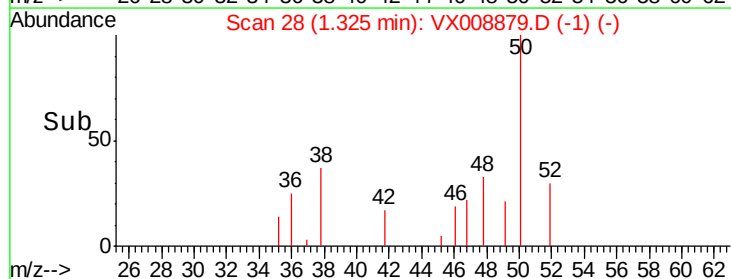
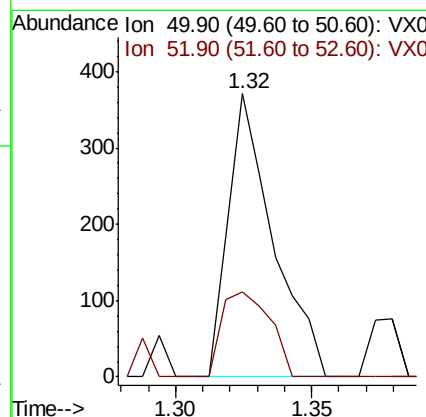
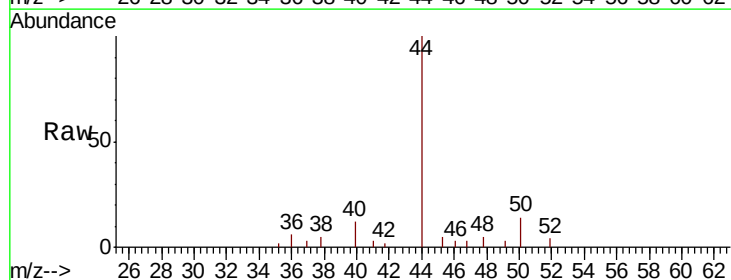
Instrument :
MSVOA_X
ClientSampleId :
TP-12-D2ME

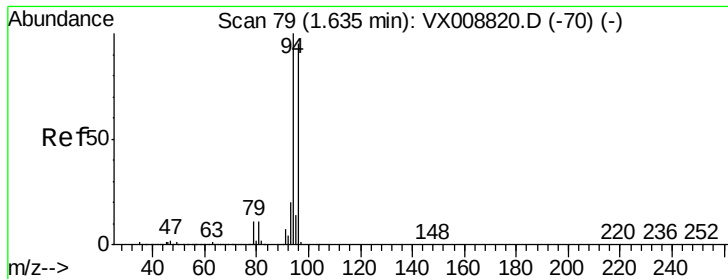
Tot Ion:168 Resp: 160435
Ion Ratio Lower Upper
168 100
99 56.9 46.7 70.1



#3
Chloromethane
Concen: Below Cal
RT: 1.32 min Scan# 28
Delta R.T. 0.00 min
Lab File: VX008879.D
Acq: 12 Apr 2019 12:24

Tgt Ion: 50 Resp: 424
Ion Ratio Lower Upper
50 100
52 30.2 25.8 38.8





#5

Bromomethane

Concen: 2.701 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008879.D

Acq: 12 Apr 2019 12:24

Instrument :

MSVOA_X

ClientSampleId :

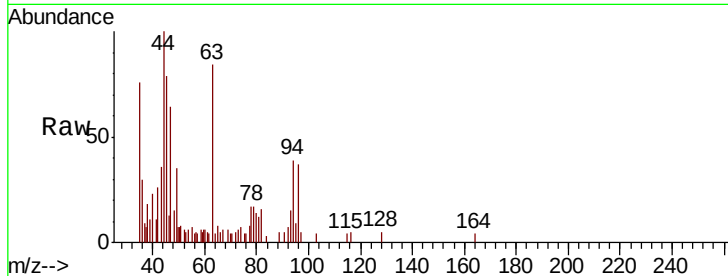
TP-12-D2ME

Tot Ion: 94 Resp: 1043

Ion Ratio Lower Upper

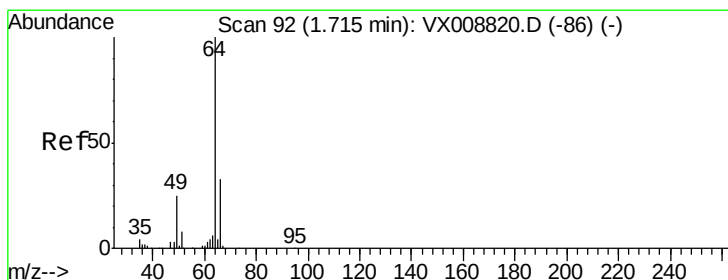
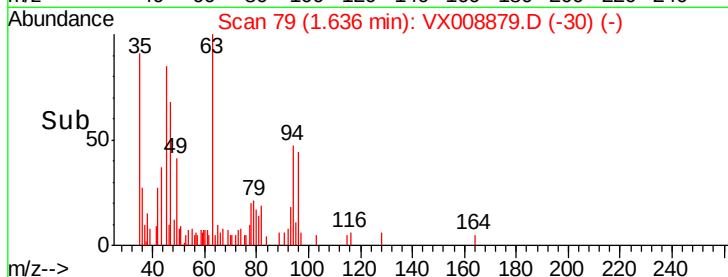
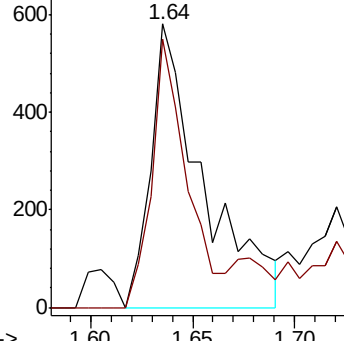
94 100

96 94.8 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 90

Delta R.T. -0.01 min

Lab File: VX008879.D

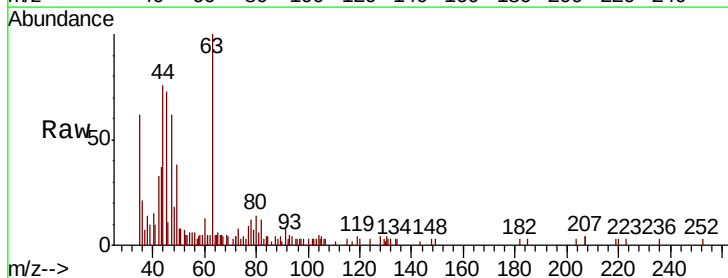
Acq: 12 Apr 2019 12:24

Tgt Ion: 64 Resp: 214

Ion Ratio Lower Upper

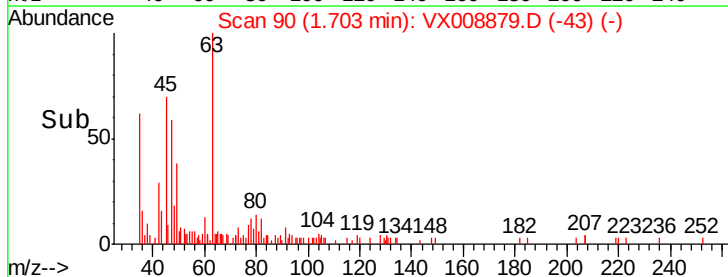
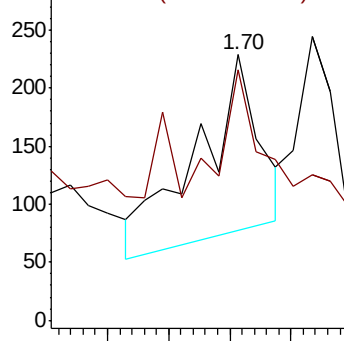
64 100

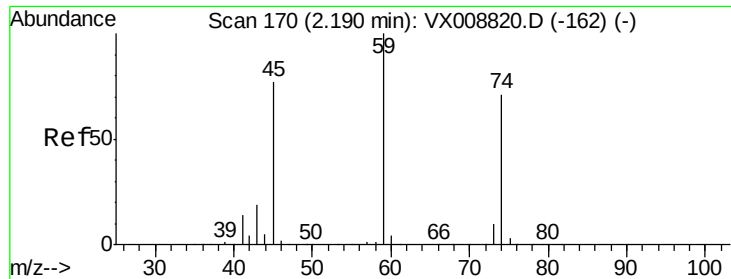
66 76.8 25.4 38.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#8

Diethyl Ether

Concen: 1.162 ug/l

RT: 2.20 min Scan# 171

Delta R.T. 0.01 min

Lab File: VX008879.D

Acq: 12 Apr 2019 12:24

Instrument :

MSVOA_X

ClientSampleId :

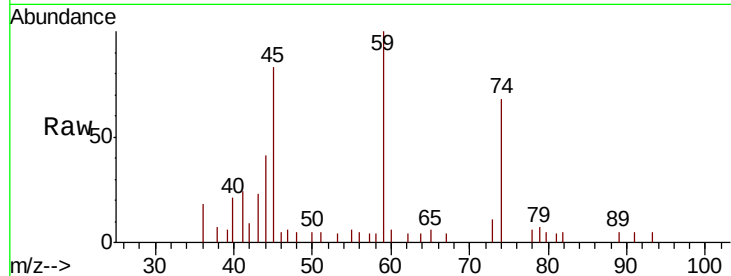
TP-12-D2ME

Tot Ion: 74 Resp: 1521

Ion Ratio Lower Upper

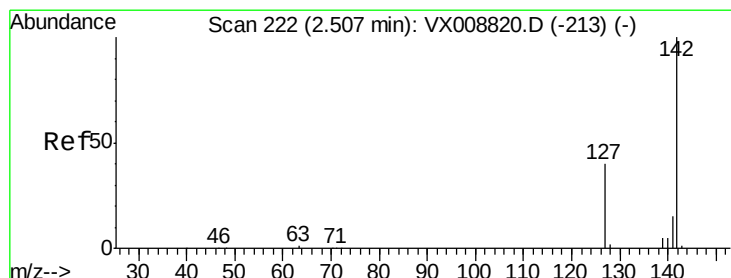
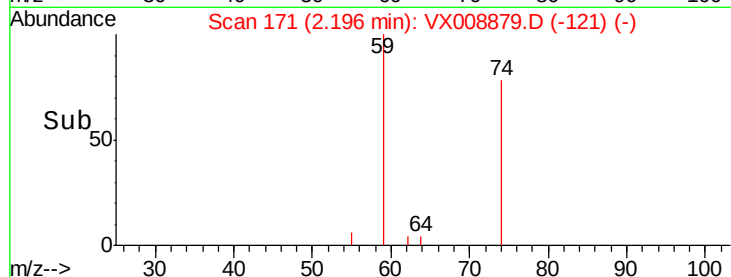
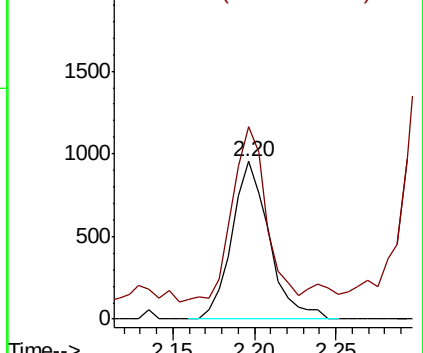
74 100

45 97.0 56.5 169.5



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#10

Methyl Iodide

Concen: 4.406 ug/l

RT: 2.48 min Scan# 218

Delta R.T. -0.02 min

Lab File: VX008879.D

Acq: 12 Apr 2019 12:24

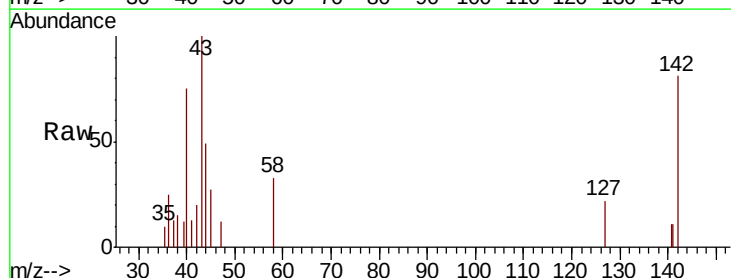
Tgt Ion: 142 Resp: 708

Ion Ratio Lower Upper

142 100

127 41.4 33.0 49.6

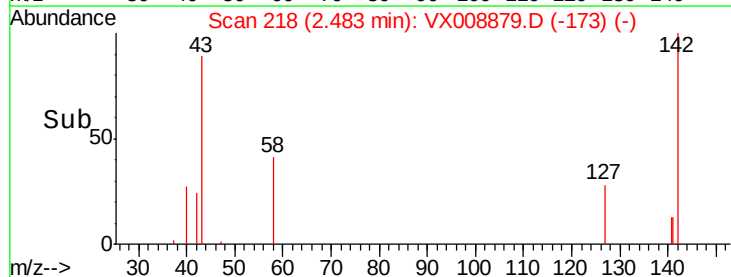
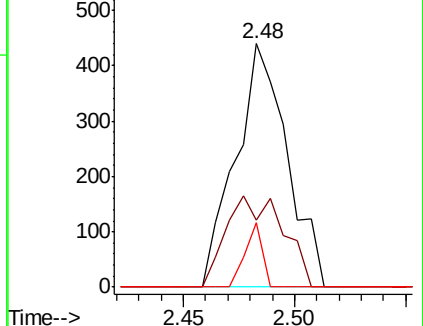
141 8.8 11.4 17.2#

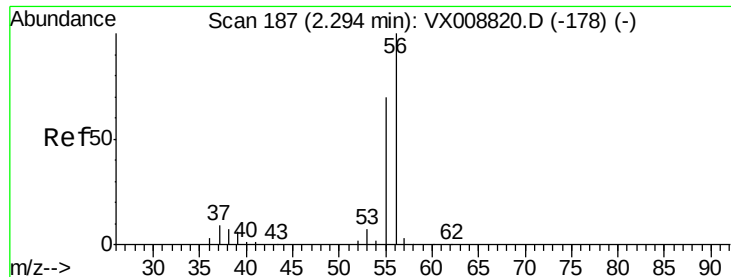


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#13

Acrolein

Concen: 0.534 ug/l

RT: 2.31 min Scan# 190

Delta R.T. 0.02 min

Lab File: VX008879.D

Acq: 12 Apr 2019 12:24

Instrument :

MSVOA_X

ClientSampleId :

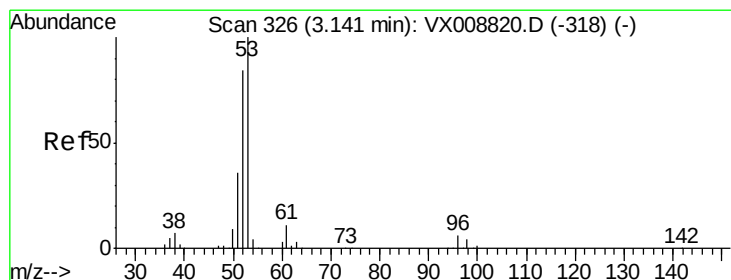
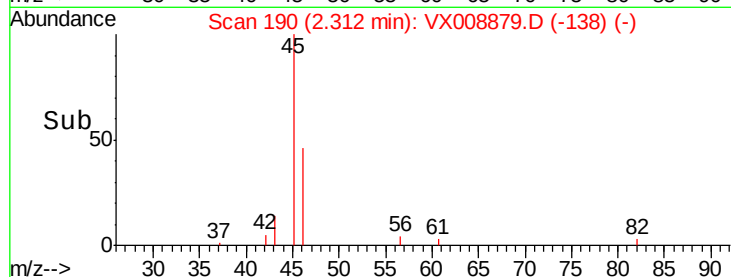
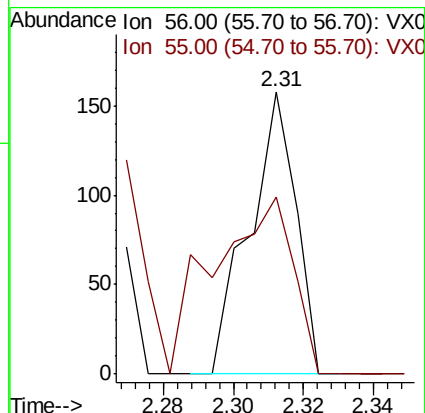
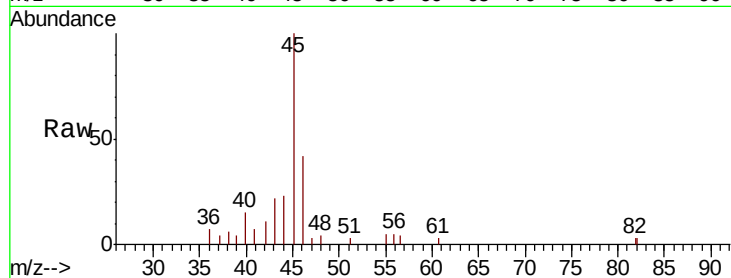
TP-12-D2ME

Tot Ion: 56 Resp: 145

Ion Ratio Lower Upper

56 100

55 106.9 58.0 87.0#



#15

Acrylonitrile

Concen: 0.380 ug/l

RT: 3.18 min Scan# 333

Delta R.T. 0.04 min

Lab File: VX008879.D

Acq: 12 Apr 2019 12:24

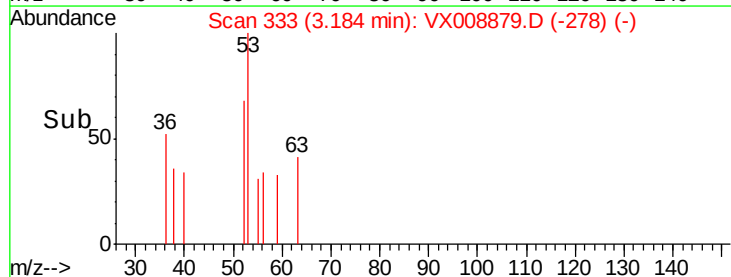
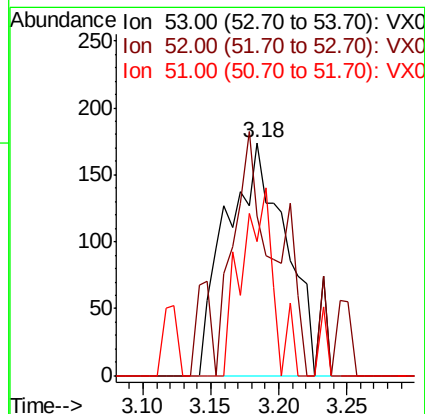
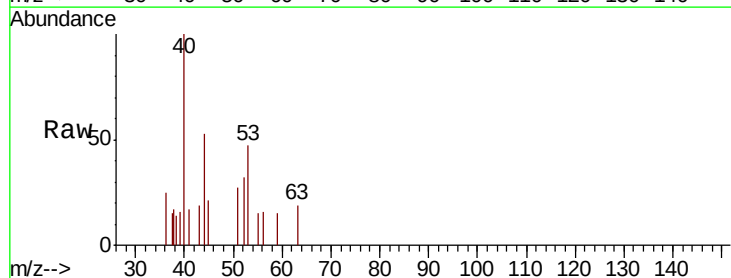
Tgt Ion: 53 Resp: 552

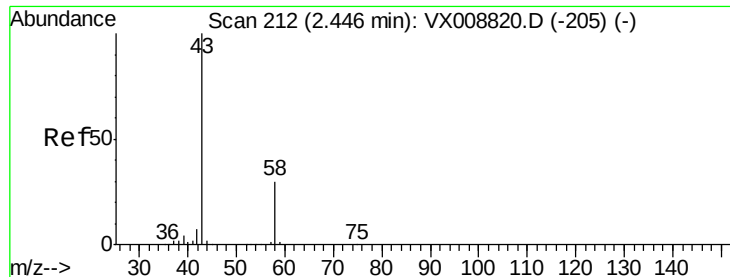
Ion Ratio Lower Upper

53 100

52 57.2 66.5 99.7#

51 42.0 28.6 42.8





#16

Acetone

Concen: 1.584 ug/l

RT: 2.50 min Scan# 220

Delta R.T. 0.05 min

Lab File: VX008879.D

Acq: 12 Apr 2019 12:24

Instrument :

MSVOA_X

ClientSampled :

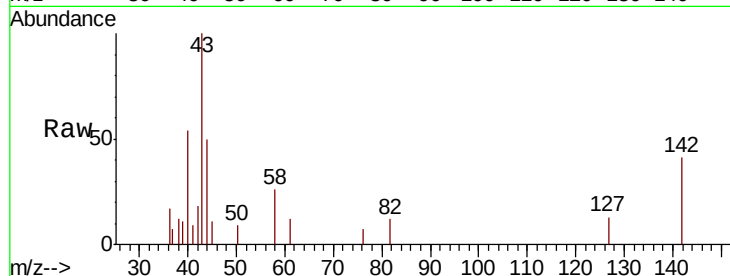
TP-12-D2ME

Tot Ion: 43 Resp: 2135

Ion Ratio Lower Upper

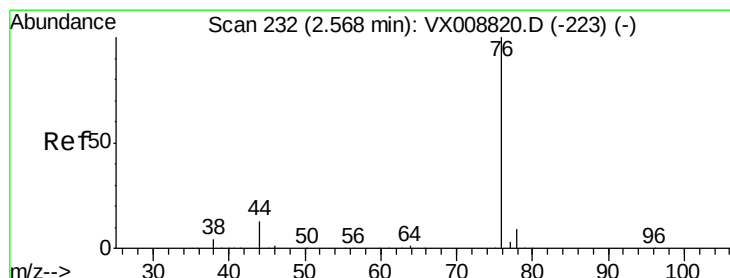
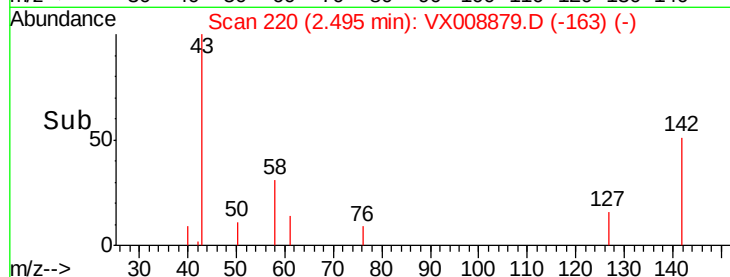
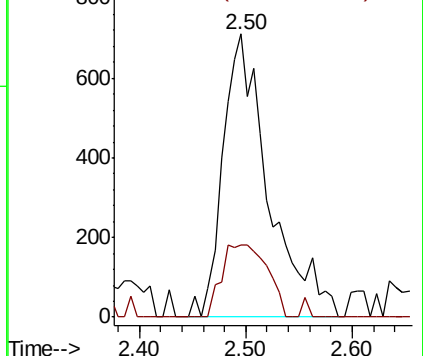
43 100

58 25.6 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: Below Cal

RT: 2.53 min Scan# 226

Delta R.T. -0.04 min

Lab File: VX008879.D

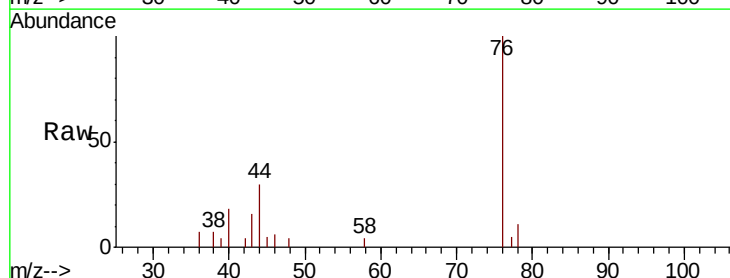
Acq: 12 Apr 2019 12:24

Tgt Ion: 76 Resp: 2866

Ion Ratio Lower Upper

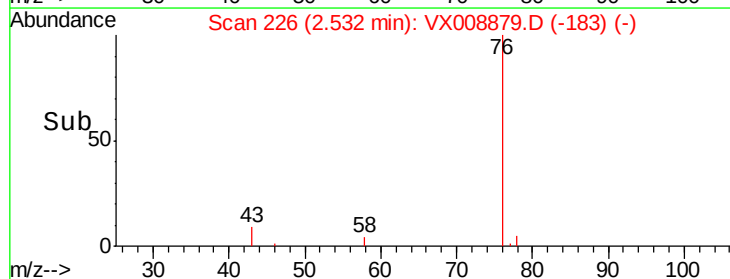
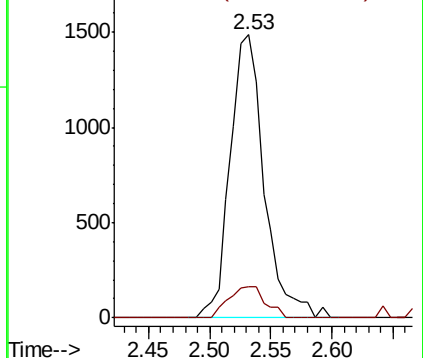
76 100

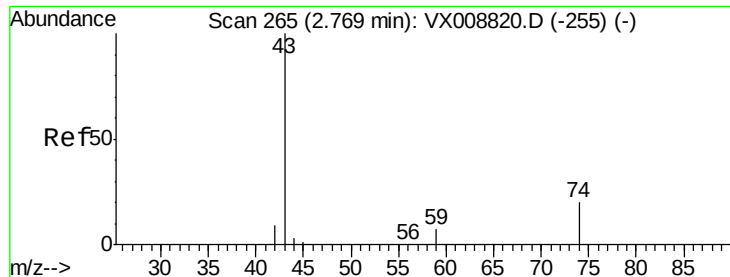
78 11.0 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

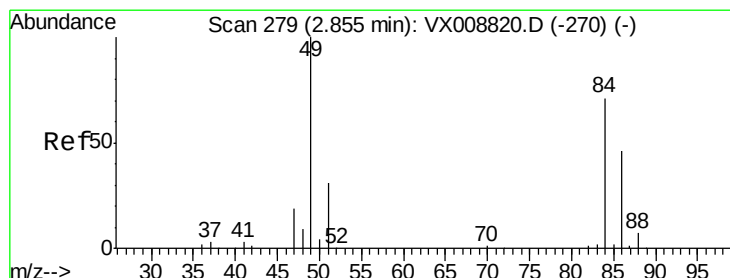
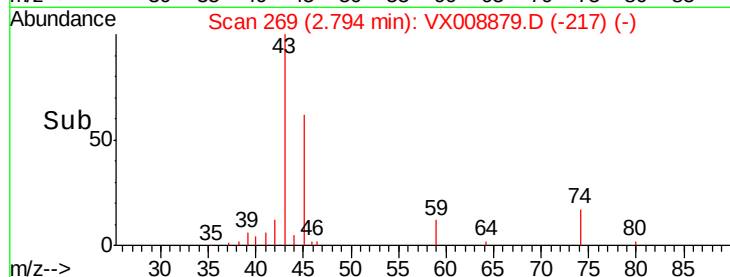
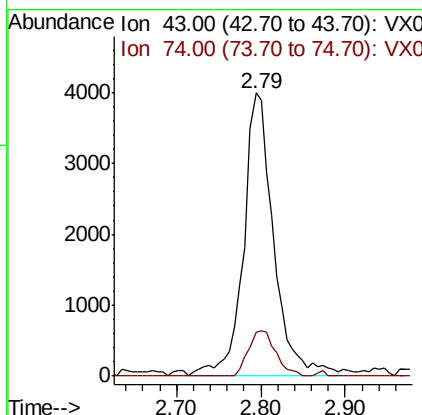
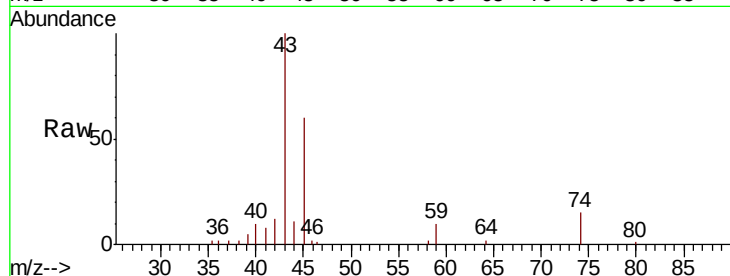




#18
Methvl Acetate
Concen: 2.945 ug/l
RT: 2.79 min Scan# 269
Delta R.T. 0.02 min
Lab File: VX008879.D
Acq: 12 Apr 2019 12:24

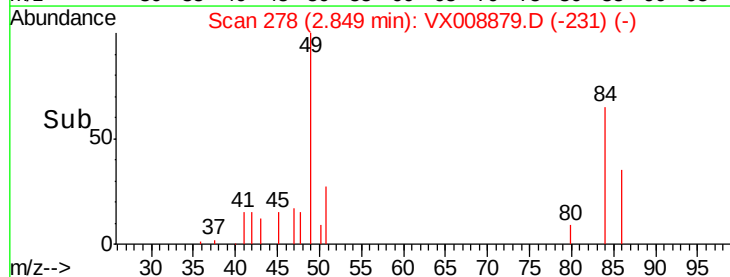
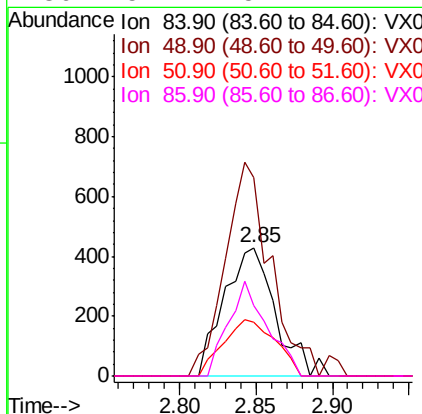
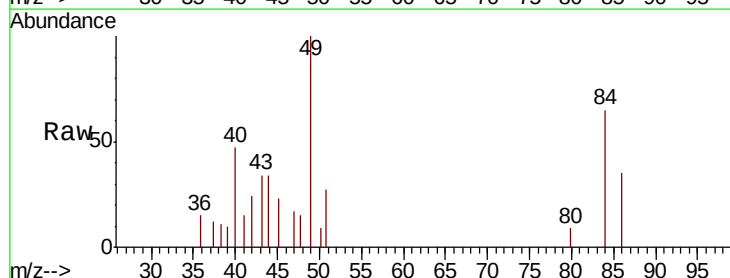
Instrument :
MSVOA_X
ClientSampleId :
TP-12-D2ME

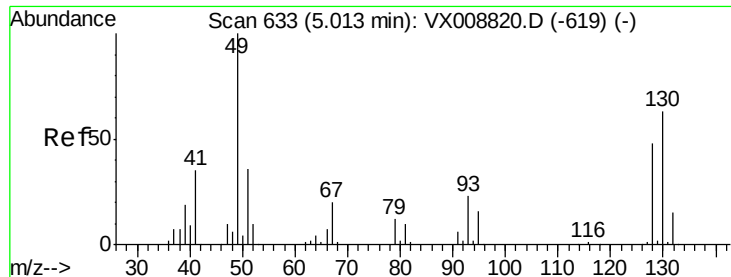
Tot Ion: 43 Resp: 9626
Ion Ratio Lower Upper
43 100
74 14.5 16.5 24.7#



#20
Methylene Chloride
Concen: 0.443 ug/l
RT: 2.85 min Scan# 278
Delta R.T. -0.01 min
Lab File: VX008879.D
Acq: 12 Apr 2019 12:24

Tgt Ion: 84 Resp: 1000
Ion Ratio Lower Upper
84 100
49 154.7 109.7 164.5
51 42.3 33.6 50.4
86 54.7 51.4 77.2





#28

Bromochloromethane

Concen: Below Cal

RT: 5.02 min Scan# 634

Delta R.T. 0.00 min

Lab File: VX008879.D

Acq: 12 Apr 2019 12:24

Instrument :

MSVOA_X

ClientSampleId :

TP-12-D2ME

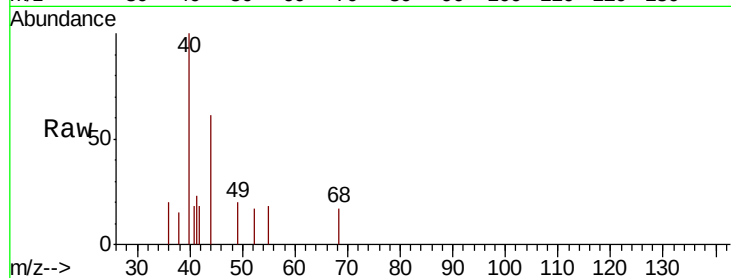
Tot Ion: 49 Resp: 152

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

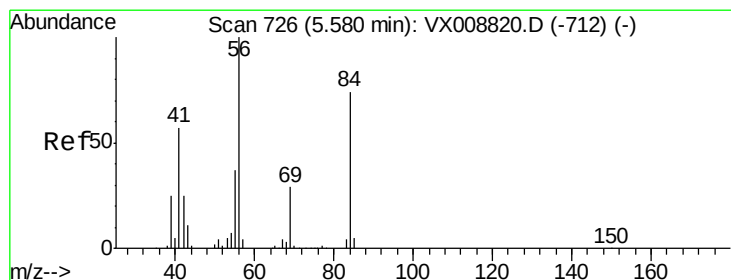
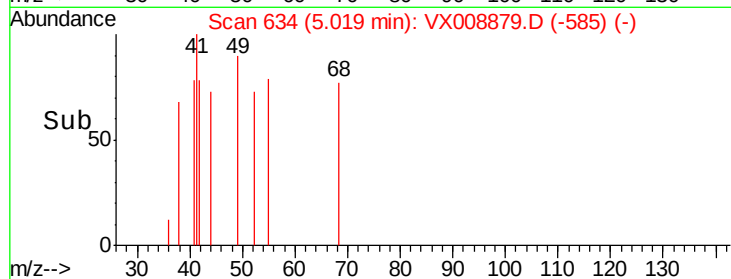
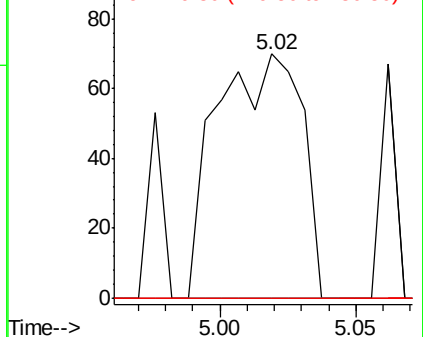
130 0.0 49.3 73.9#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#31

Cyclohexane

Concen: 1.035 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.07 min

Lab File: VX008879.D

Acq: 12 Apr 2019 12:24

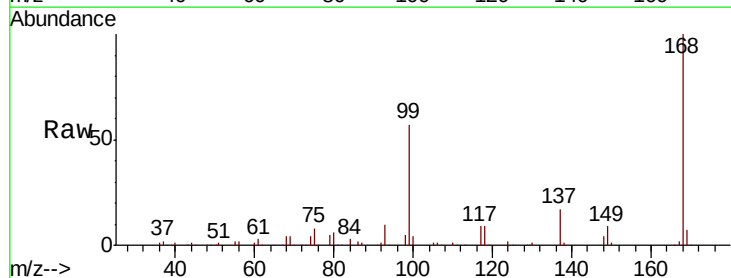
Tgt Ion: 56 Resp: 4186

Ion Ratio Lower Upper

56 100

69 182.7 22.6 33.8#

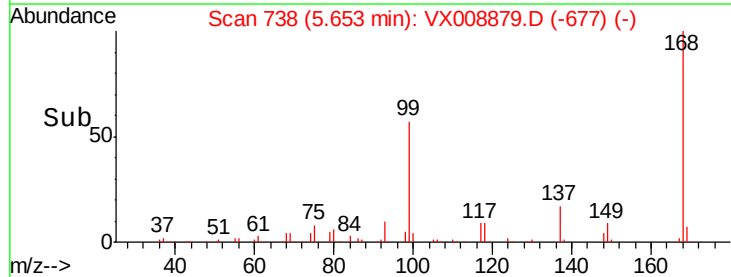
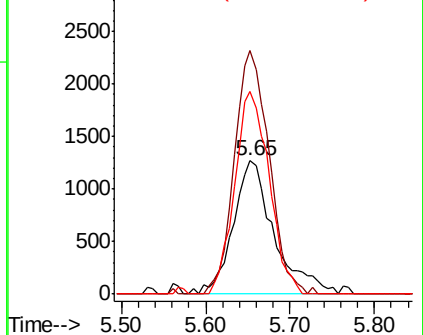
84 152.2 59.3 88.9#

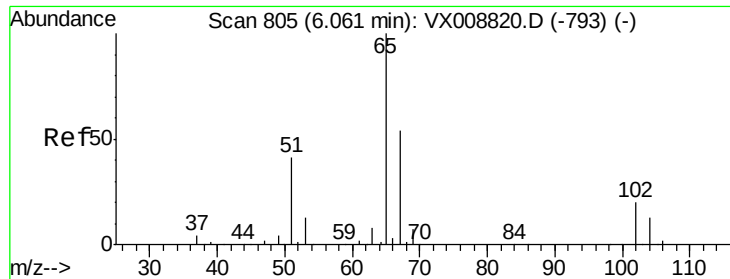


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

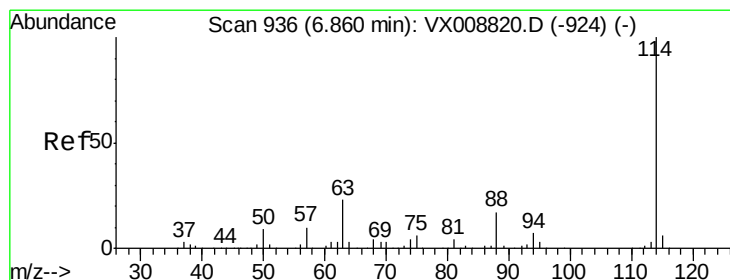
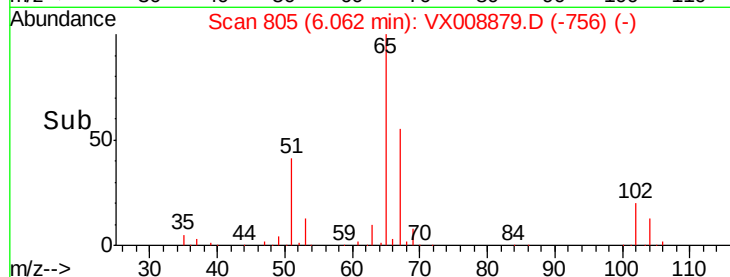
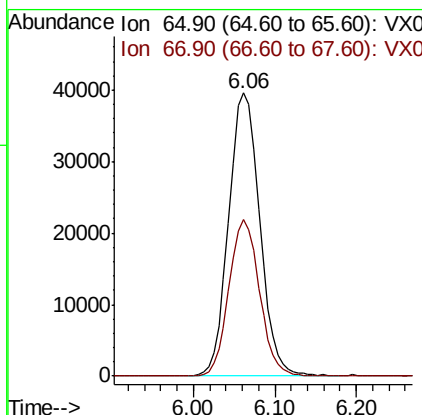
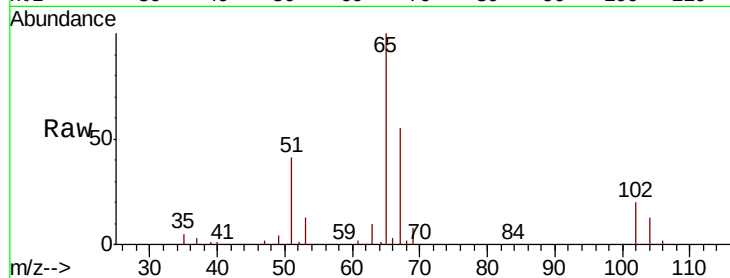




#33
 1,2-Dichloroethane-d4
 Concen: 44.690 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX008879.D
 Acq: 12 Apr 2019 12:24

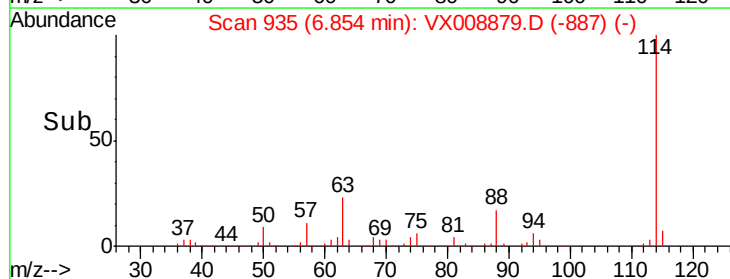
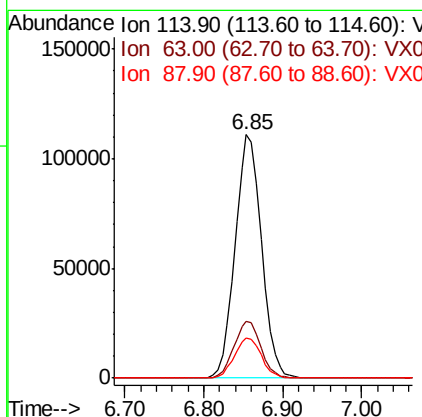
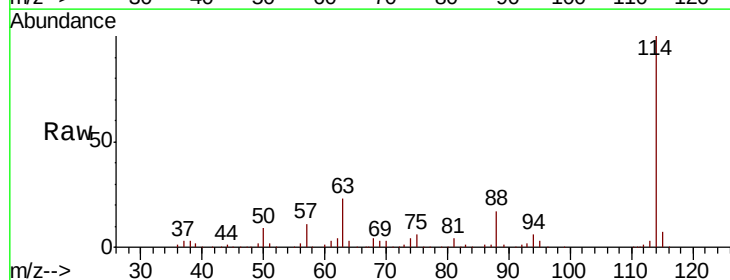
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-12-D2ME

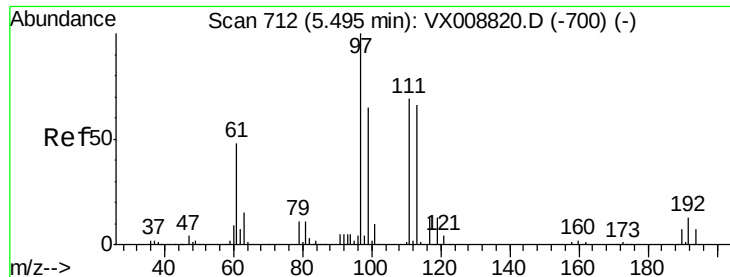
Tot Ion: 65 Resp: 104577
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VX008879.D
 Acq: 12 Apr 2019 12:24

Tgt Ion: 114 Resp: 258865
 Ion Ratio Lower Upper
 114 100
 63 23.5 0.0 47.2
 88 16.5 0.0 34.0

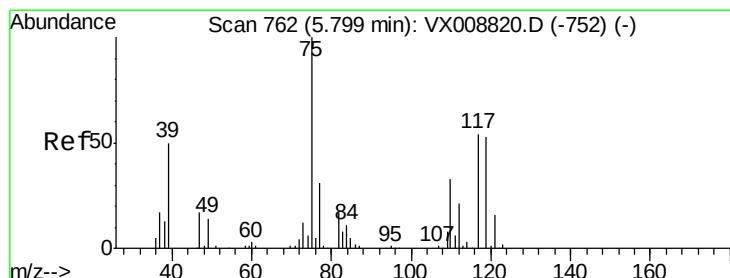
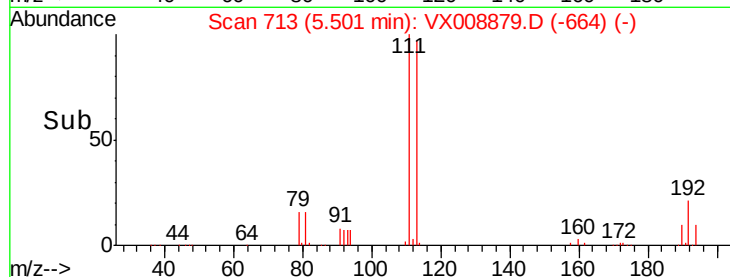
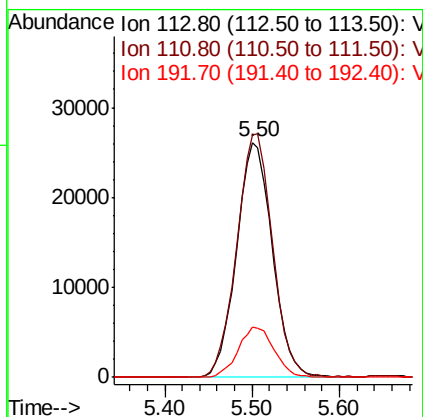
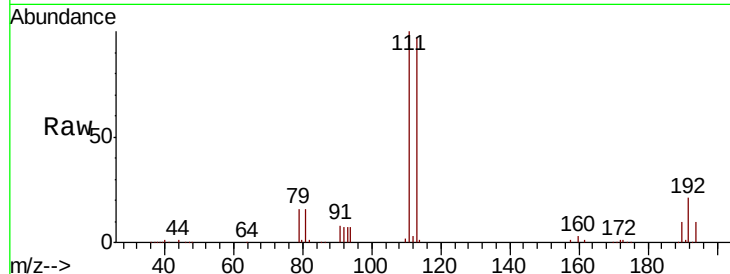




#35
 Dibromofluoromethane
 Concen: 44.924 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX008879.D
 Acq: 12 Apr 2019 12:24

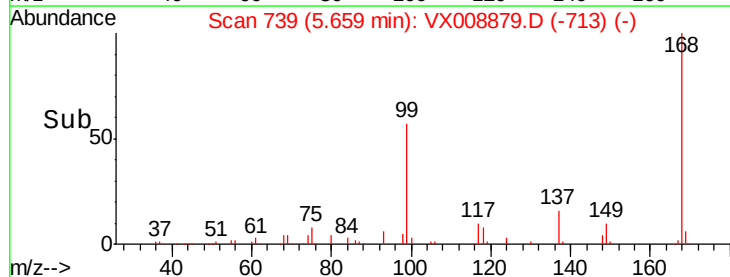
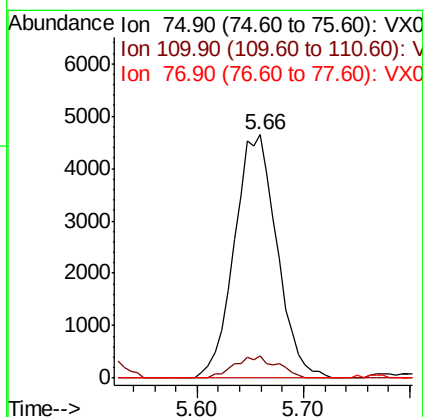
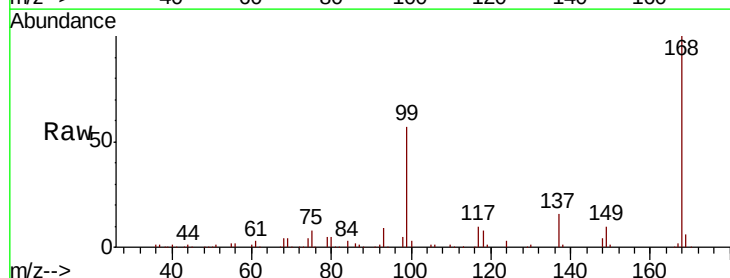
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-12-D2ME

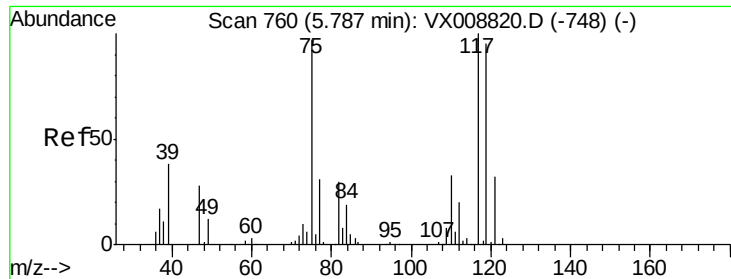
Tot Ion:113 Resp: 74353
 Ion Ratio Lower Upper
 113 100
 111 103.6 83.4 125.2
 192 21.6 16.1 24.1



#36
 1,1-Dichloropropene
 Concen: 4.606 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX008879.D
 Acq: 12 Apr 2019 12:24

Tgt Ion: 75 Resp: 13033
 Ion Ratio Lower Upper
 75 100
 110 9.1 16.4 49.2#
 77 0.0 24.7 37.1#

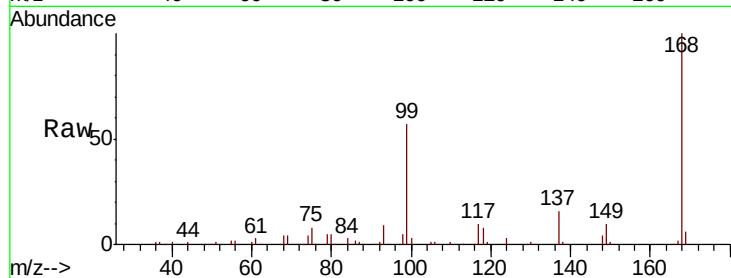




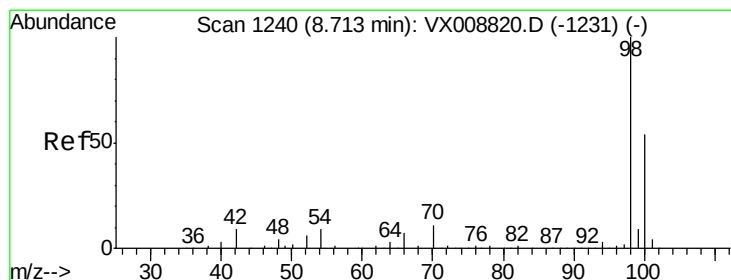
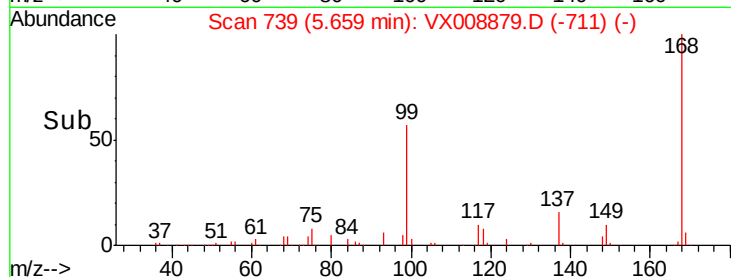
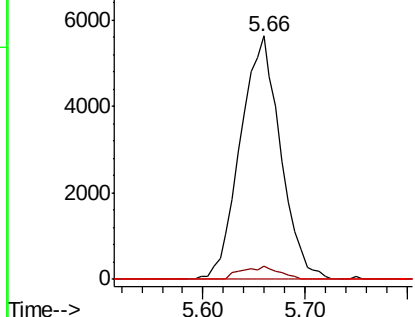
#38
Carbon Tetrachloride
Concen: 6.573 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.13 min
Lab File: VX008879.D
Acq: 12 Apr 2019 12:24

Instrument :
MSVOA_X
ClientSampleId :
TP-12-D2ME

Tot Ion:117 Resp: 15394
Ion Ratio Lower Upper
117 100
119 5.7 75.0 112.6#
121 0.0 24.3 36.5#

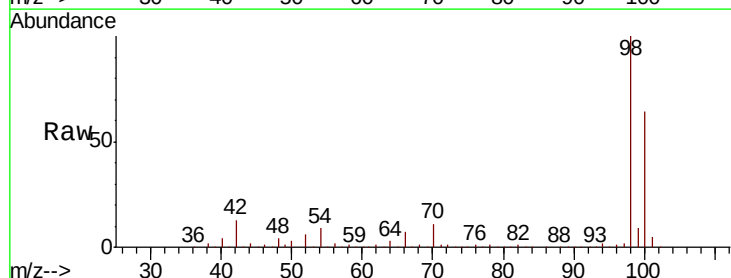


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

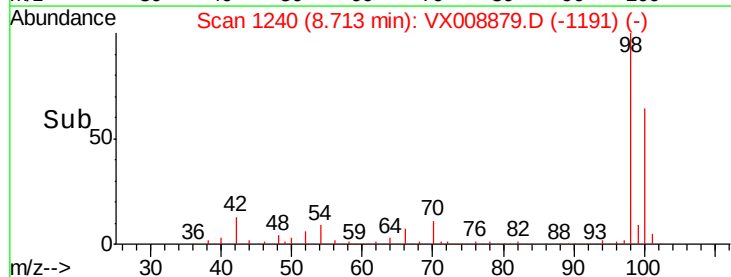
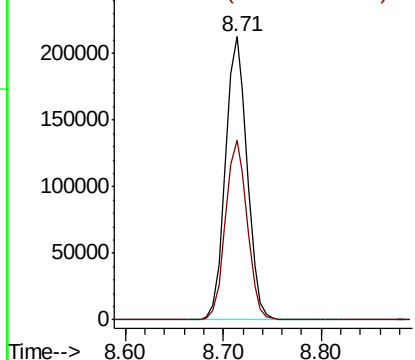


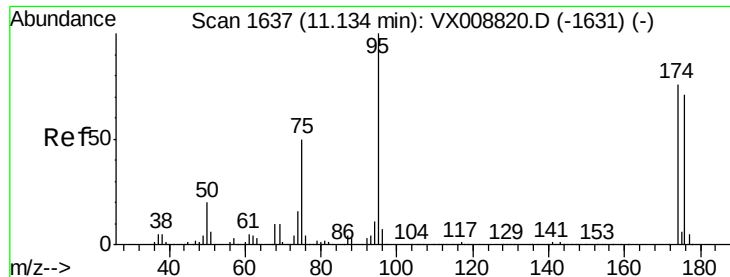
#50
Toluene-d8
Concen: 49.601 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008879.D
Acq: 12 Apr 2019 12:24

Tgt Ion: 98 Resp: 326875
Ion Ratio Lower Upper
98 100
100 63.7 51.4 77.0



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

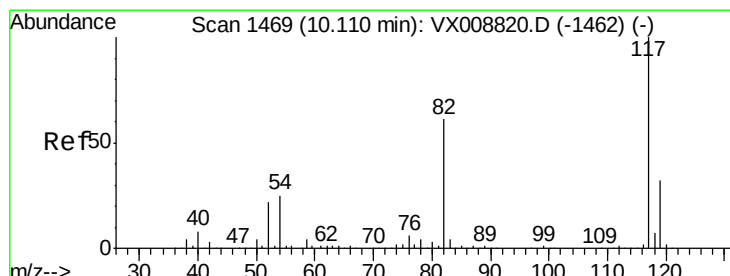
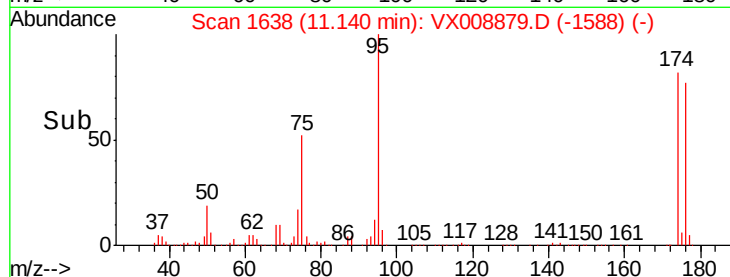
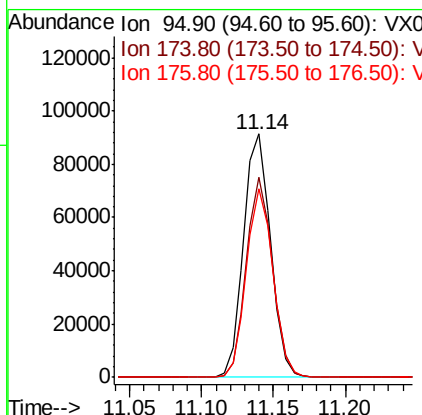
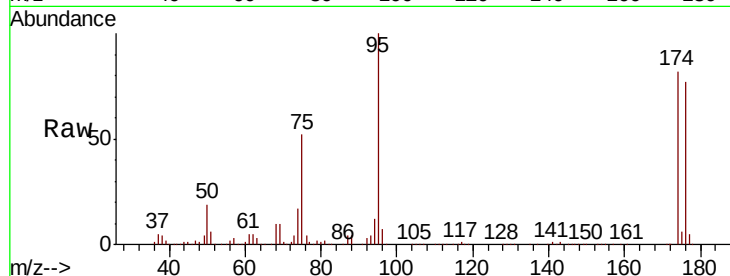




#62
4-Bromofluorobenzene
Concen: 50.696 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.01 min
Lab File: VX008879.D
Acq: 12 Apr 2019 12:24

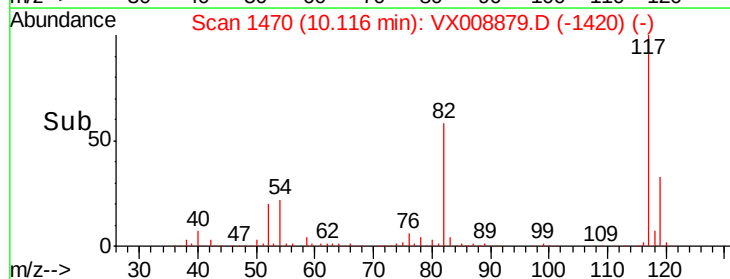
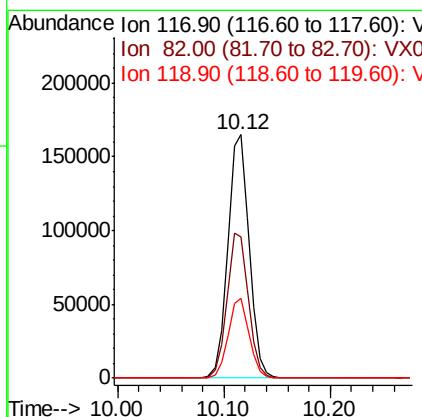
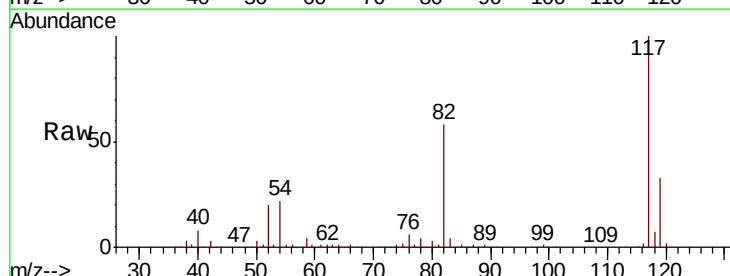
Instrument :
MSVOA_X
ClientSampleId :
TP-12-D2ME

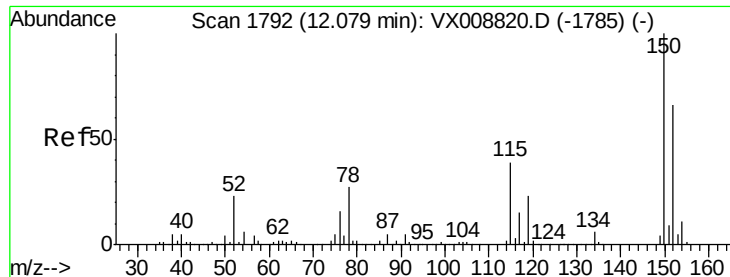
Tot Ion: 95 Resp: 118475
Ion Ratio Lower Upper
95 100
174 79.9 0.0 151.8
176 76.6 0.0 145.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX008879.D
Acq: 12 Apr 2019 12:24

Tgt Ion: 117 Resp: 231419
Ion Ratio Lower Upper
117 100
82 58.3 49.6 74.4
119 32.8 25.0 37.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX008879.D

Acq: 12 Apr 2019 12:24

Instrument :

MSVOA_X

ClientSampleId :

TP-12-D2ME

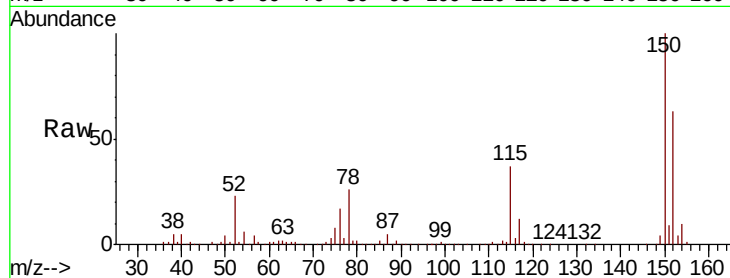
Tot Ion:152 Resp: 114239

Ion Ratio Lower Upper

152 100

115 60.3 43.5 130.5

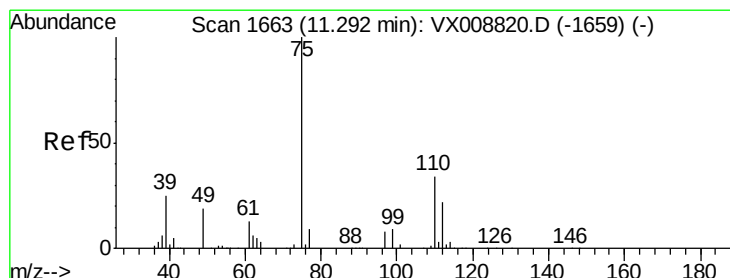
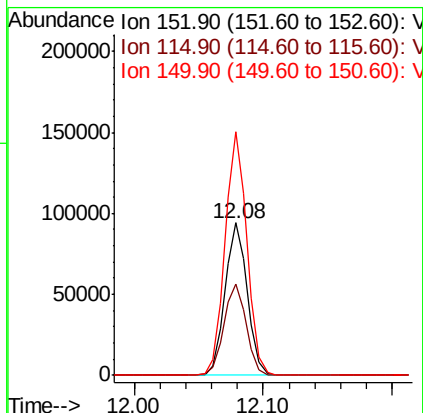
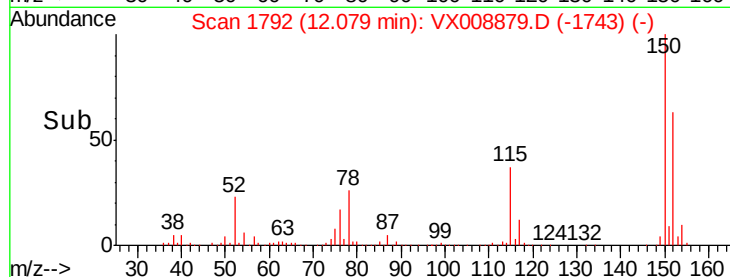
150 157.4 0.0 348.8



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: 19.620 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX008879.D

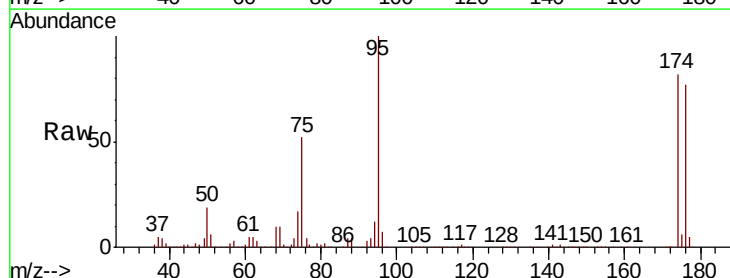
Acq: 12 Apr 2019 12:24

Tgt Ion: 75 Resp: 61572

Ion Ratio Lower Upper

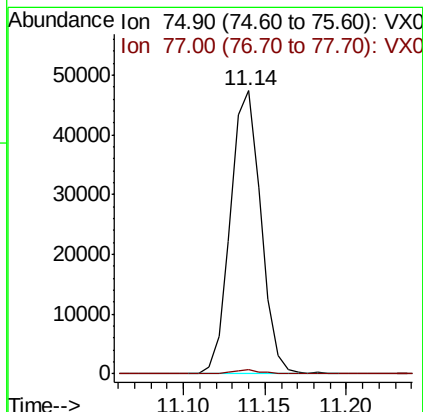
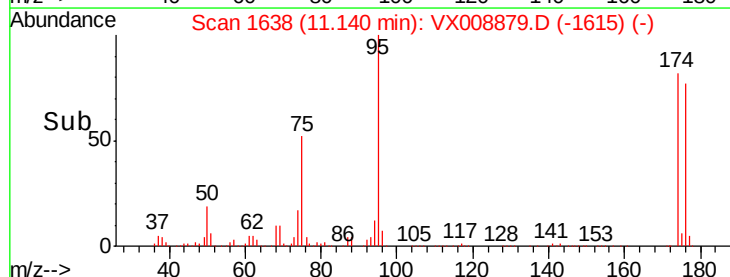
75 100

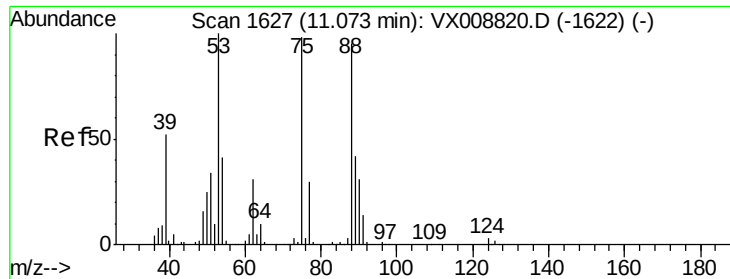
77 1.3 22.3 66.8#



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: 54.083 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX008879.D

Acq: 12 Apr 2019 12:24

Instrument :

MSVOA_X

ClientSampled :

TP-12-D2ME

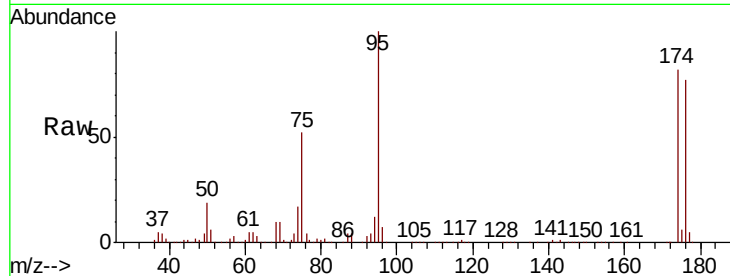
Tot Ion: 75 Resp: 61572

Ion Ratio Lower Upper

75 100

53 0.0 81.3 121.9#

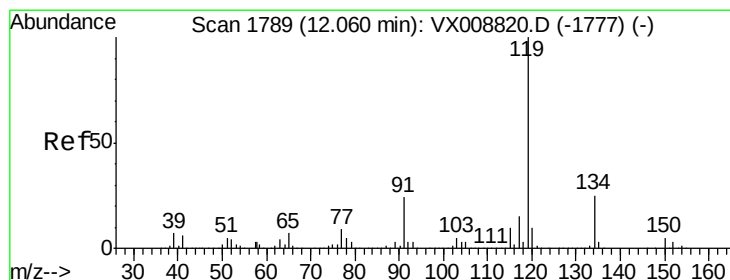
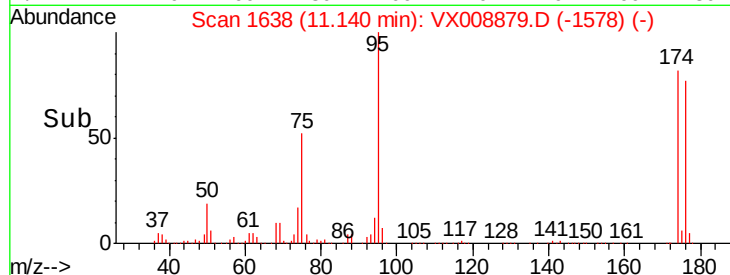
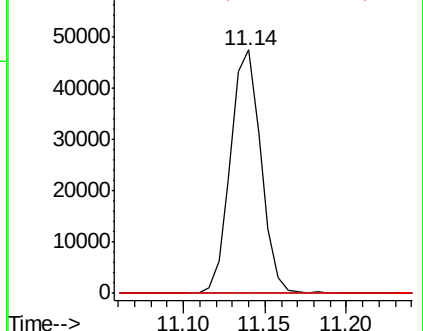
89 0.0 35.6 53.4#



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



#86

p-Isopropyltoluene

Concen: 0.346 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.01 min

Lab File: VX008879.D

Acq: 12 Apr 2019 12:24

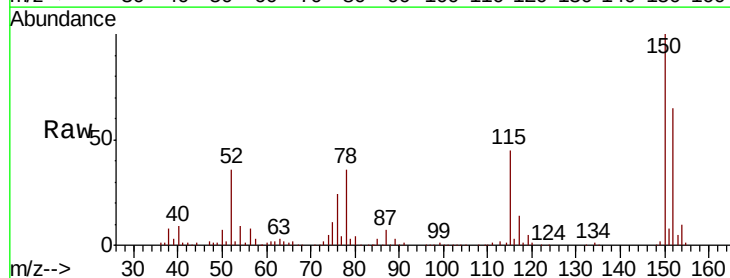
Tgt Ion: 119 Resp: 2820

Ion Ratio Lower Upper

119 100

134 27.4 12.8 38.4

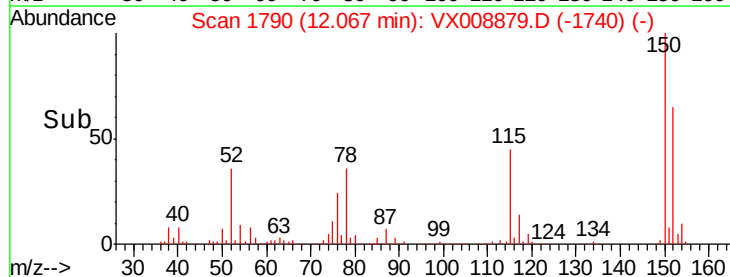
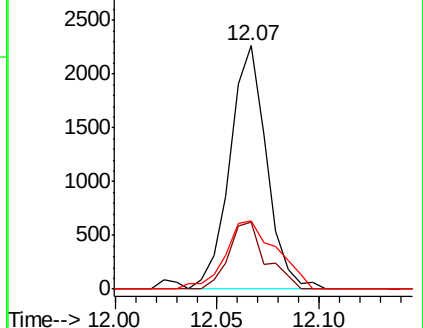
91 39.1 12.2 36.6#

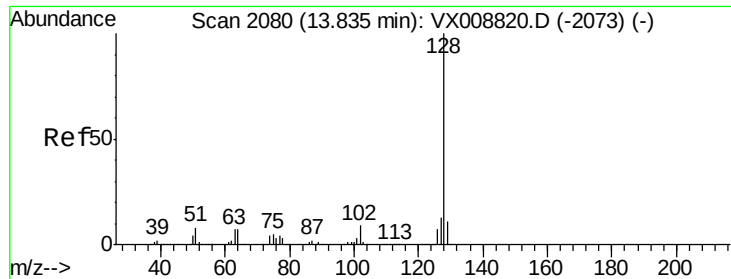


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#95
Naphthalene
Concen: 0.353 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX008879.D
Acq: 12 Apr 2019 12:24

Instrument :
MSVOA_X
ClientSampleId :
TP-12-D2ME

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.4	15.6
129	10.3	8.6	13.0

