

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091919\
 Data File : VX012519.D
 Acq On : 19 Sep 2019 11:31
 Operator : JC/SP
 Sample : VX0919WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919WBL01

Quant Time: Sep 20 04:31:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	191094	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	305544	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	251525	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	100685	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	127073	46.40	ug/l	0.00
Spiked Amount			Recovery	=	92.80%	
35) Dibromofluoromethane	5.48	113	90653	49.02	ug/l	0.00
Spiked Amount			Recovery	=	98.04%	
50) Toluene-d8	8.71	98	346927	50.68	ug/l	0.00
Spiked Amount			Recovery	=	101.36%	
62) 4-Bromofluorobenzene	11.13	95	120923	42.55	ug/l	0.00
Spiked Amount			Recovery	=	85.10%	

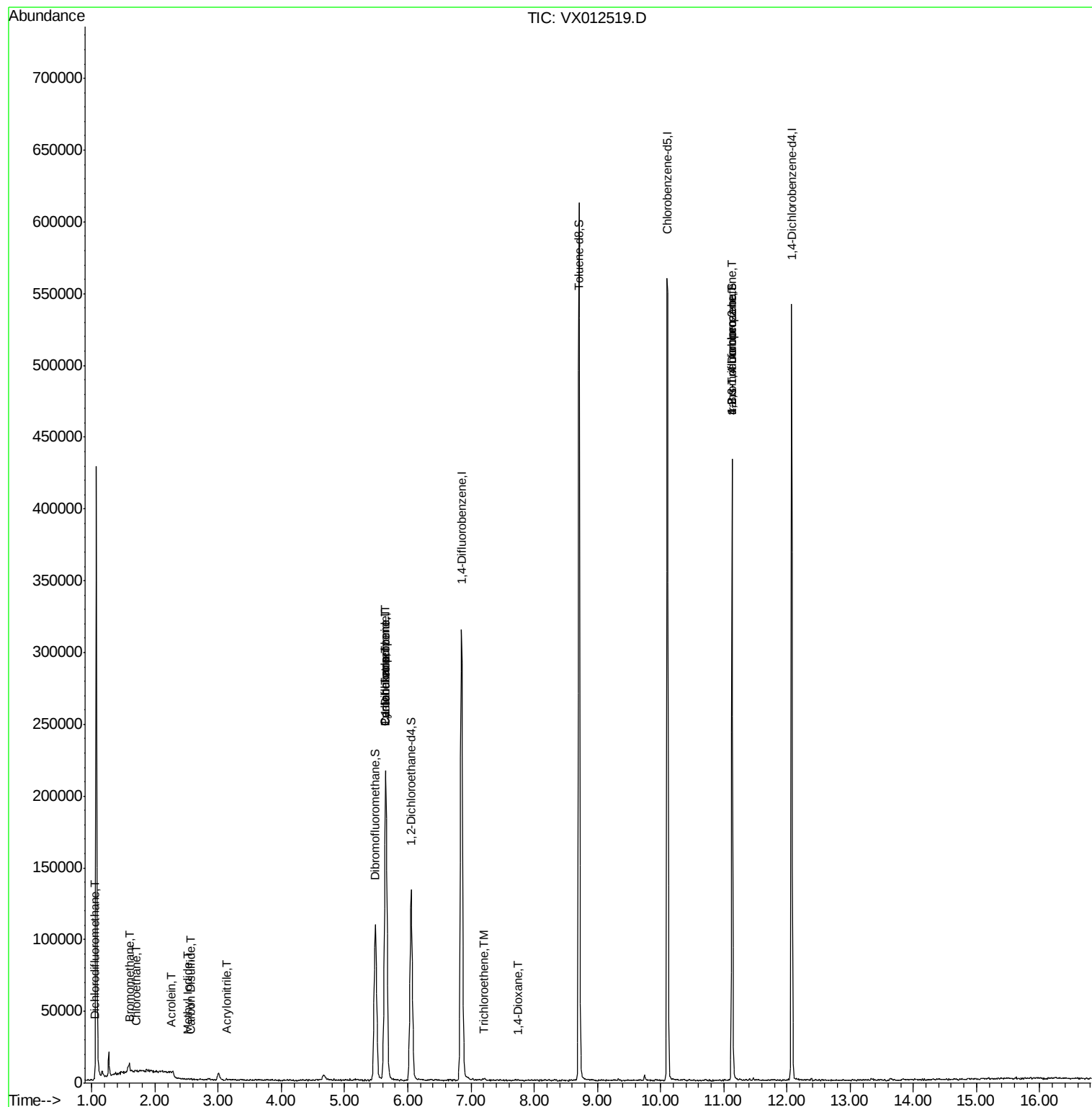
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.05	85	33	0.417	ug/l #	43
5) Bromomethane	1.61	94	121	0.271	ug/l #	73
6) Chloroethane	1.71	64	291	0.327	ug/l	99
10) Methyl Iodide	2.52	142	369	4.702	ug/l #	83
11) Tert butyl alcohol	3.01	59	2915	Below Cal	#	76
13) Acrolein	2.26	56	487	0.346	ug/l #	15
15) Acrylonitrile	3.13	53	487	0.410	ug/l #	63
16) Acetone	2.44	43	131	Below Cal	#	1
17) Carbon Disulfide	2.56	76	334	1.996	ug/l #	75
31) Cyclohexane	5.64	56	5039	2.664	ug/l #	37
36) 1,1-Dichloropropene	5.64	75	16554	8.915	ug/l #	53
38) Carbon Tetrachloride	5.65	117	20801	9.007	ug/l #	17
44) Trichloroethene	7.22	130	432	0.278	ug/l	81
49) 1,4-Dioxane	7.75	88	19	0.324	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	63107	27.286	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	63107	73.367	ug/l #	8

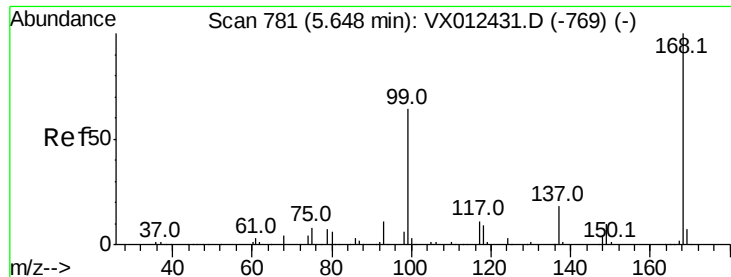
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX091919\
Data File : VX012519.D
Acq On : 19 Sep 2019 11:31
Operator : JC/SP
Sample : VX0919WBL01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBL01

Quant Time: Sep 20 04:31:02 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 17 15:27:10 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX012519.D

Acq: 19 Sep 2019 11:31

Instrument :

MSVOA_X

ClientSampleId :

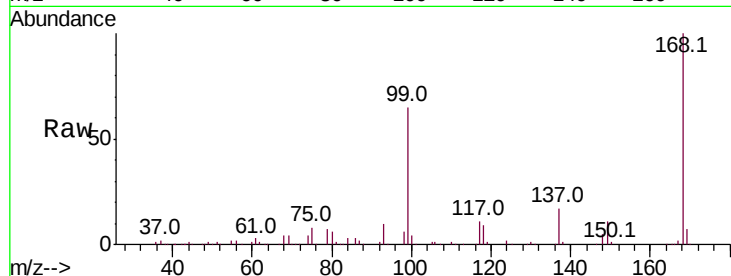
VX0919WBL01

Tot Ion:168 Resp: 191094

Ion Ratio Lower Upper

168 100

99 65.4 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

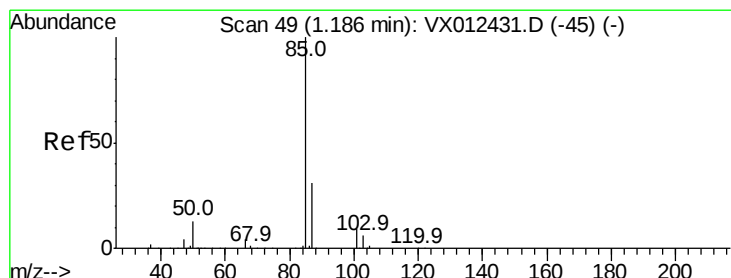
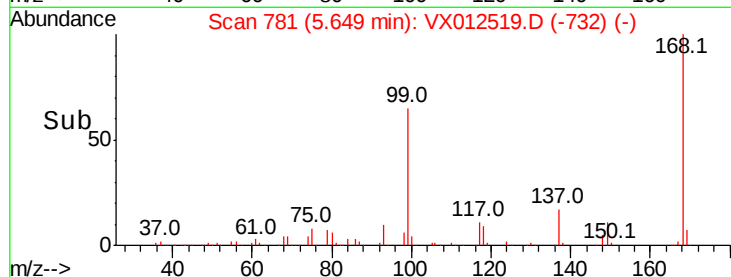
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.417 ug/l

RT: 1.05 min Scan# 26

Delta R.T. -0.14 min

Lab File: VX012519.D

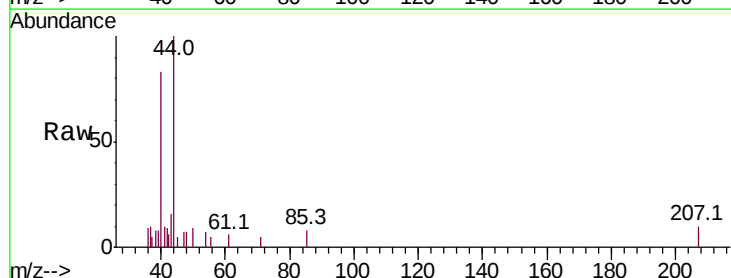
Acq: 19 Sep 2019 11:31

Tgt Ion: 85 Resp: 33

Ion Ratio Lower Upper

85 100

87 0.0 15.6 46.8#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.05

100

80

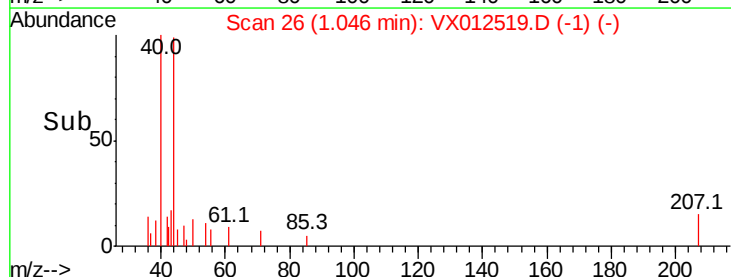
60

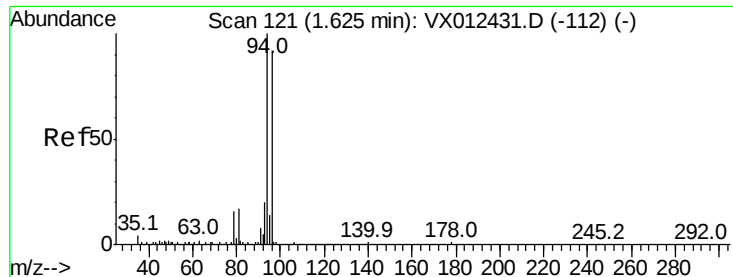
40

20

0

Time--> 1.03 1.04 1.05 1.06





#5

Bromomethane

Concen: 0.271 ug/l

RT: 1.61 min Scan# 118

Delta R.T. -0.02 min

Lab File: VX012519.D

Acq: 19 Sep 2019 11:31

Instrument :

MSVOA_X

ClientSampleId :

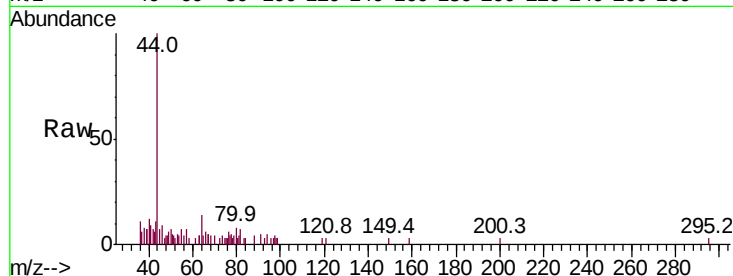
VX0919WBL01

Tot Ion: 94 Resp: 121

Ion Ratio Lower Upper

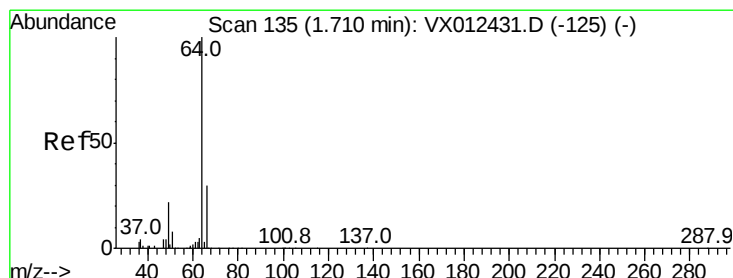
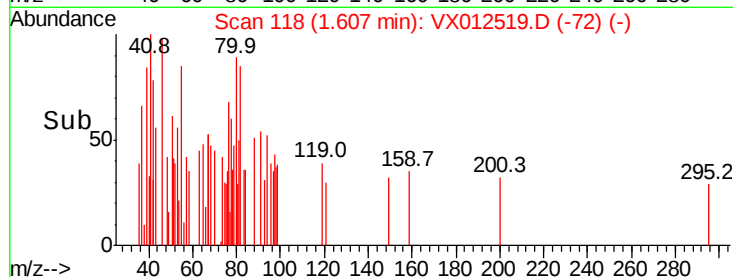
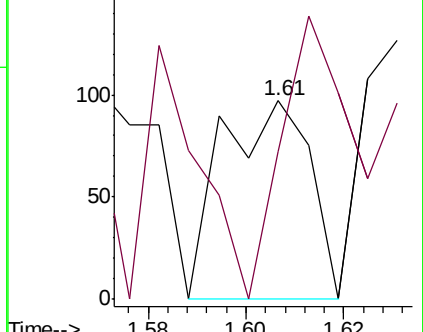
94 100

96 64.9 72.8 109.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.327 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX012519.D

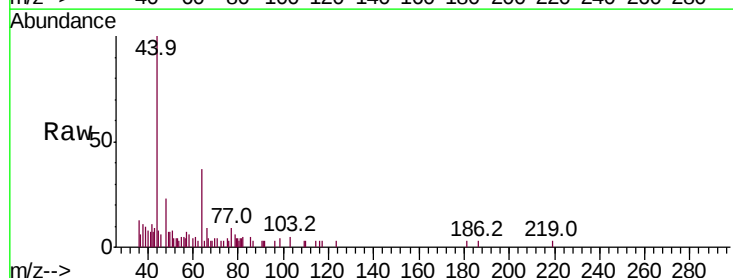
Acq: 19 Sep 2019 11:31

Tgt Ion: 64 Resp: 291

Ion Ratio Lower Upper

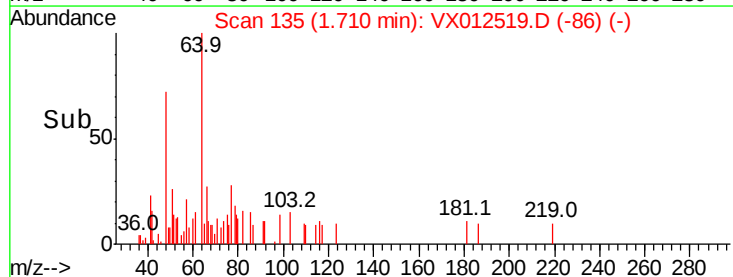
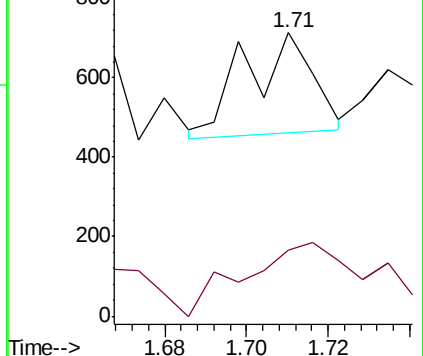
64 100

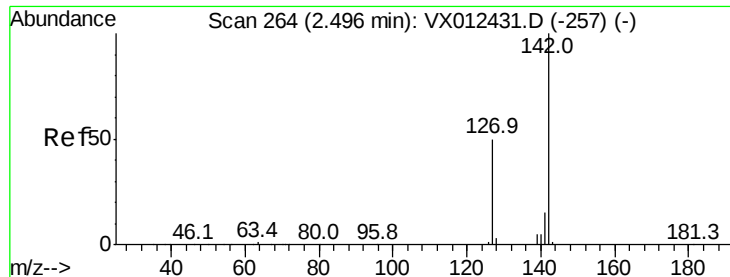
66 29.6 24.0 36.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

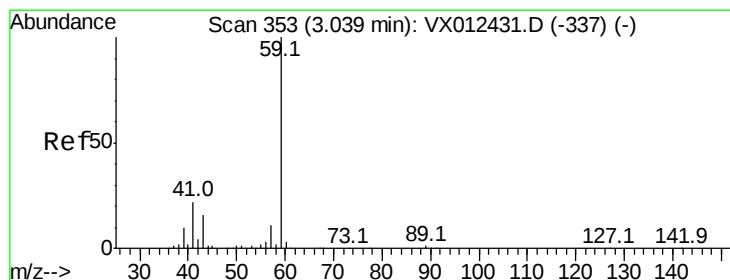
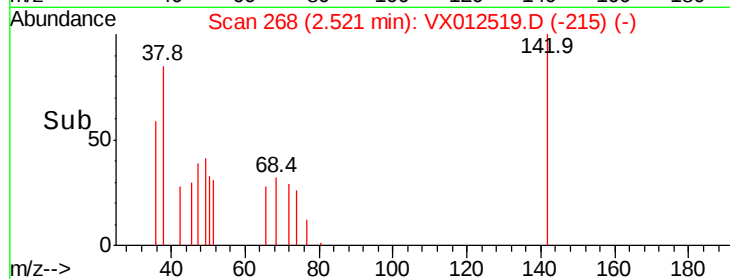
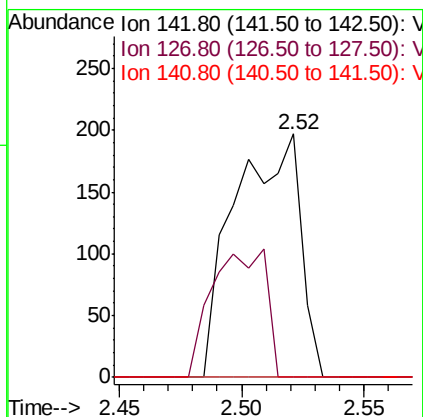
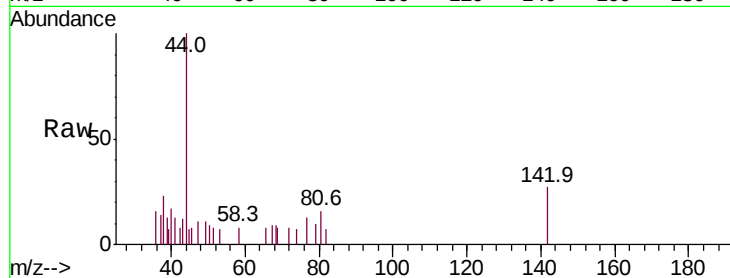




#10
Methyl Iodide
Concen: 4.702 ug/l
RT: 2.52 min Scan# 268
Delta R.T. 0.03 min
Lab File: VX012519.D
Acq: 19 Sep 2019 11:31

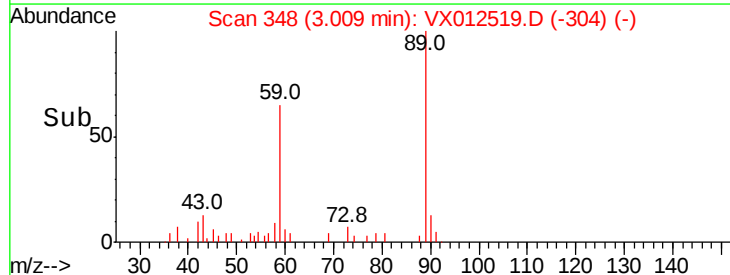
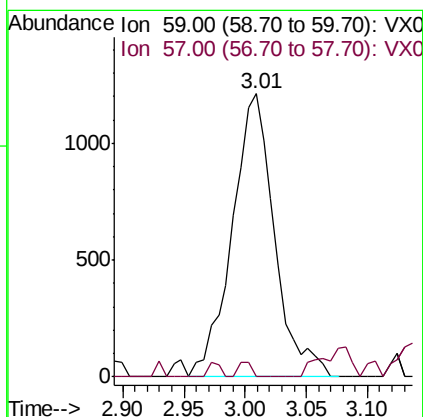
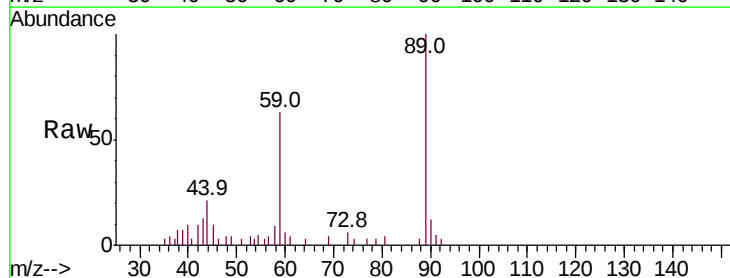
Instrument :
MSVOA_X
ClientSampled :
VX0919WBL01

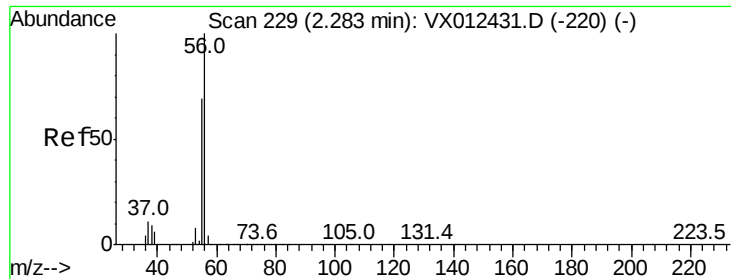
Tot Ion:142 Resp: 369
Ion Ratio Lower Upper
142 100
127 43.1 40.8 61.2
141 0.0 12.1 18.1#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 3.01 min Scan# 348
Delta R.T. -0.03 min
Lab File: VX012519.D
Acq: 19 Sep 2019 11:31

Tgt Ion: 59 Resp: 2915
Ion Ratio Lower Upper
59 100
57 1.5 8.3 12.5#

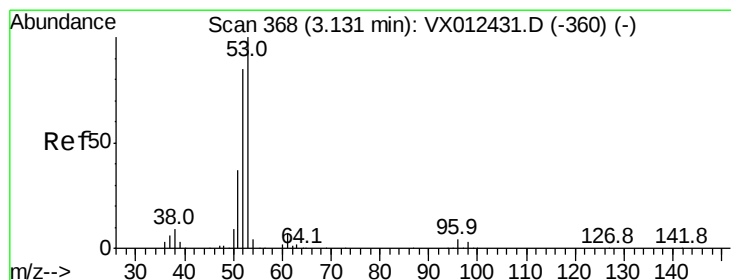
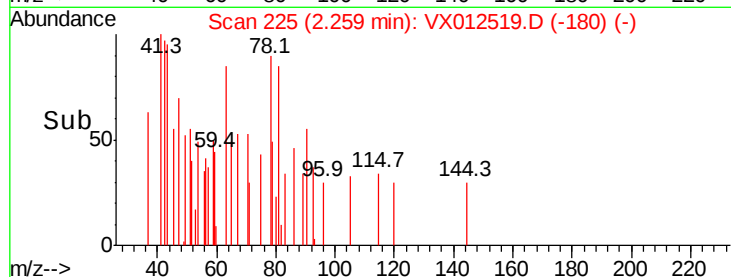
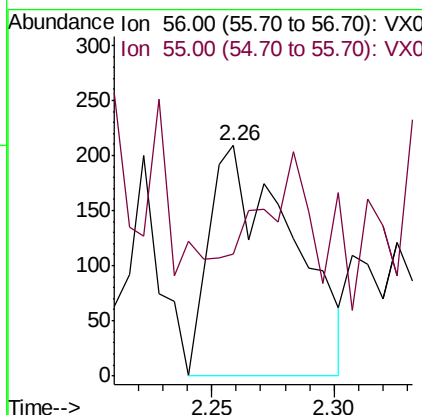
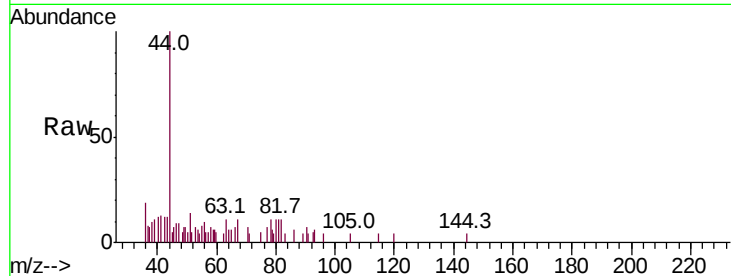




#13
Acrolein
Concen: 0.346 ug/l
RT: 2.26 min Scan# 225
Delta R.T. -0.02 min
Lab File: VX012519.D
Acq: 19 Sep 2019 11:31

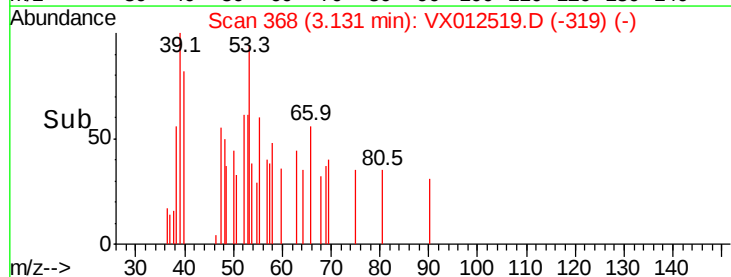
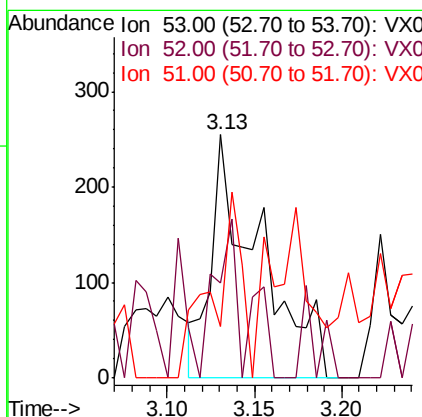
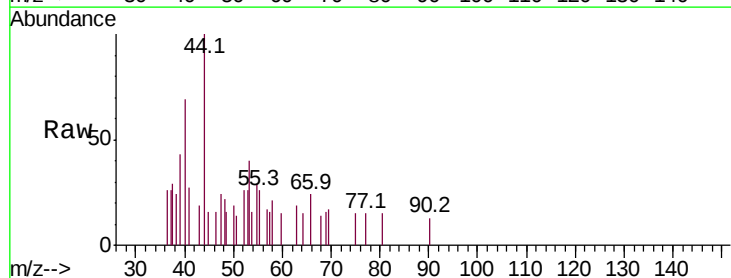
Instrument :
MSVOA_X
ClientSampled :
VX0919WBL01

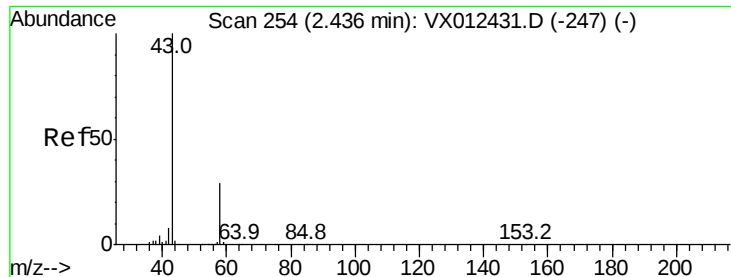
Tot Ion: 56 Resp: 487
Ion Ratio Lower Upper
56 100
55 0.0 55.8 83.8#



#15
Acrylonitrile
Concen: 0.410 ug/l
RT: 3.13 min Scan# 368
Delta R.T. 0.00 min
Lab File: VX012519.D
Acq: 19 Sep 2019 11:31

Tgt Ion: 53 Resp: 487
Ion Ratio Lower Upper
53 100
52 41.7 67.0 100.4#
51 46.2 29.6 44.4#





#16

Acetone

Concen: Below Cal

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX012519.D

Acq: 19 Sep 2019 11:31

Instrument :

MSVOA_X

ClientSampleId :

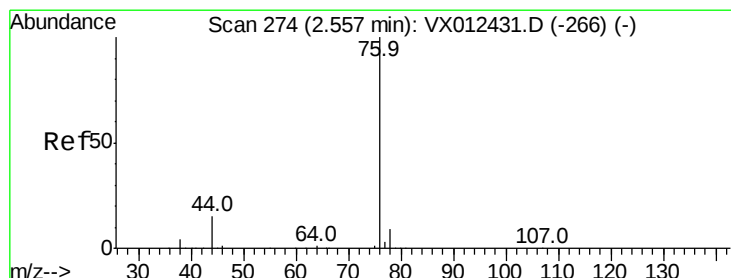
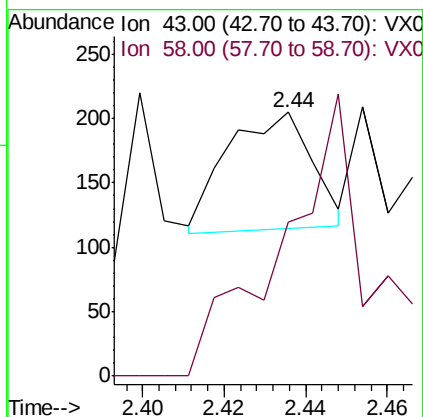
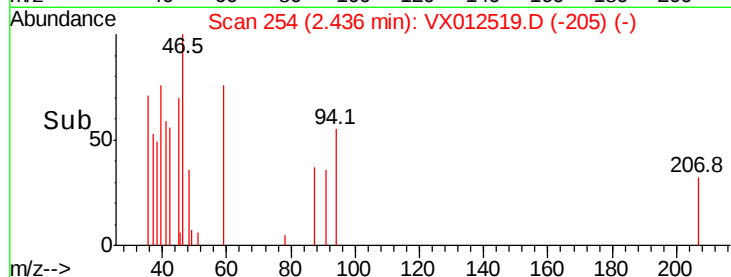
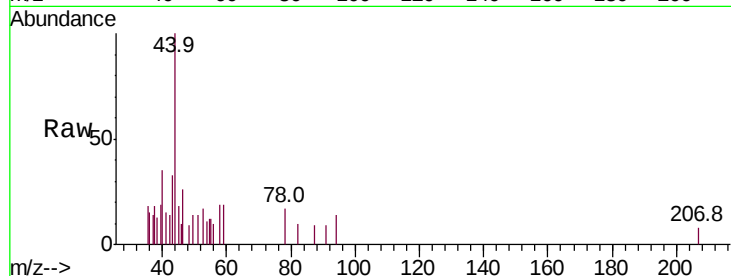
VX0919WBL01

Tot Ion: 43 Resp: 131

Ion Ratio Lower Upper

43 100

58 136.4 23.3 34.9#



#17

Carbon Disulfide

Concen: 1.996 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX012519.D

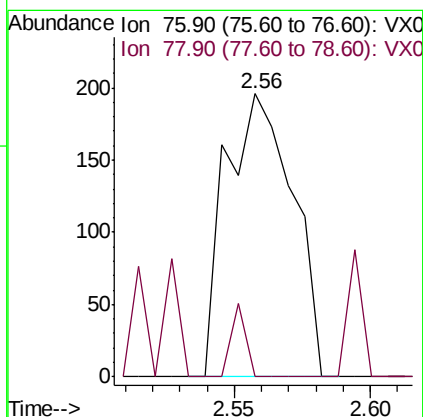
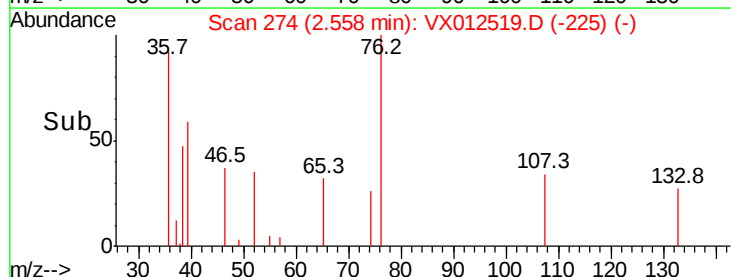
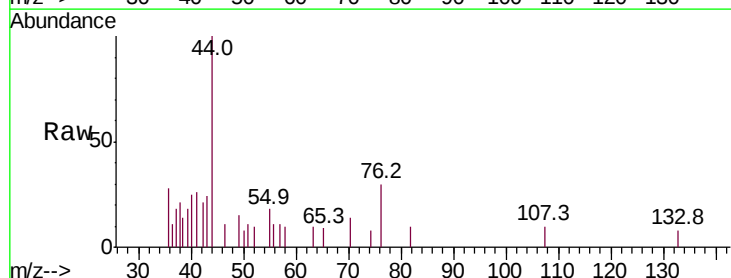
Acq: 19 Sep 2019 11:31

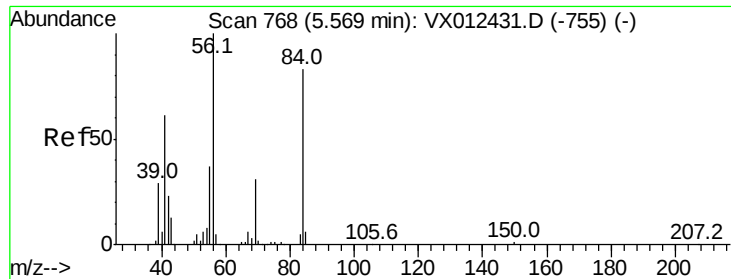
Tgt Ion: 76 Resp: 334

Ion Ratio Lower Upper

76 100

78 0.0 7.3 10.9#

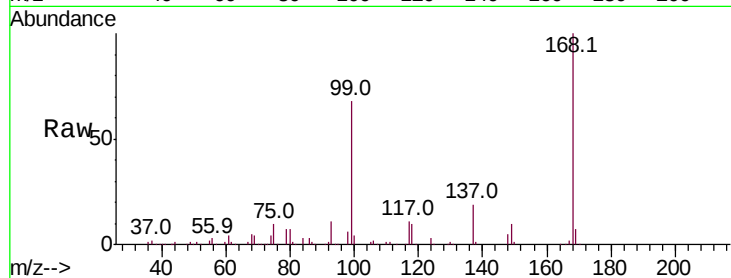




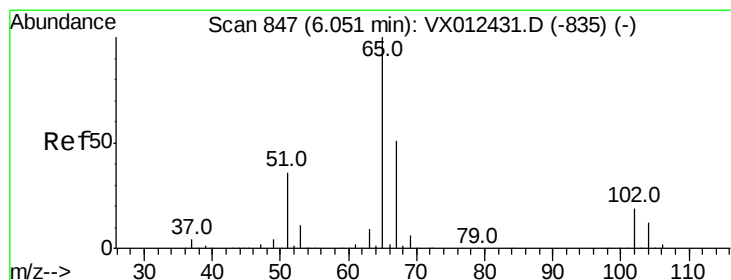
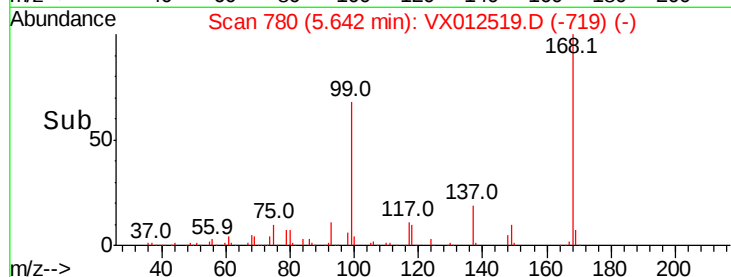
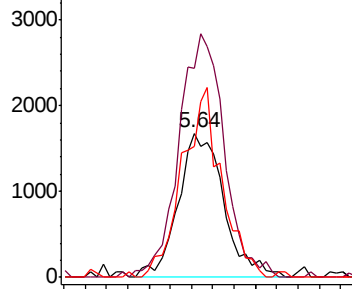
#31
Cyclohexane
Concen: 2.664 ug/l
RT: 5.64 min Scan# 780
Delta R.T. 0.07 min
Lab File: VX012519.D
Acq: 19 Sep 2019 11:31

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBL01

Tot Ion: 56 Resp: 5039
Ion Ratio Lower Upper
56 100
69 144.8 25.0 37.6#
84 91.3 66.4 99.6

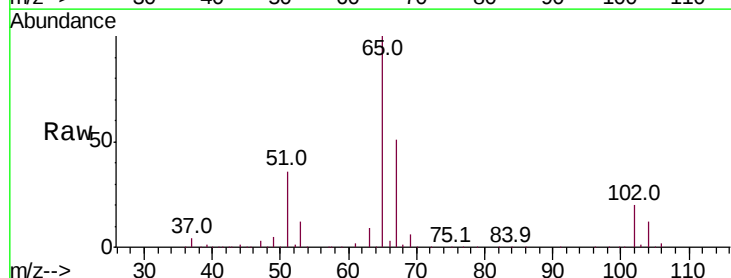


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

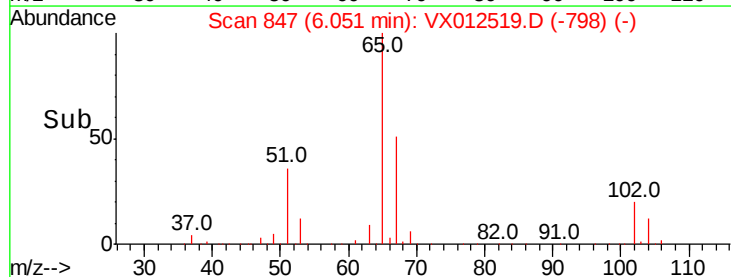
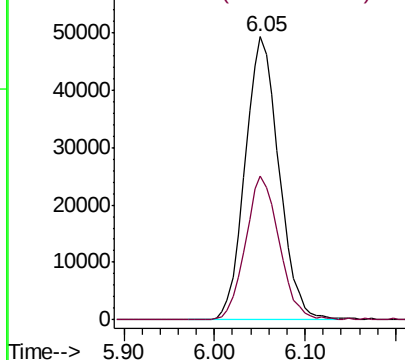


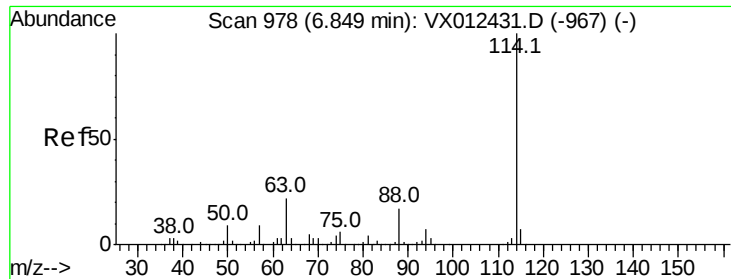
#33
1,2-Dichloroethane-d4
Concen: 46.398 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX012519.D
Acq: 19 Sep 2019 11:31

Tgt Ion: 65 Resp: 127073
Ion Ratio Lower Upper
65 100
67 50.8 0.0 101.2



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX012519.D

Acq: 19 Sep 2019 11:31

Instrument :

MSVOA_X

ClientSampleId :

VX0919WBL01

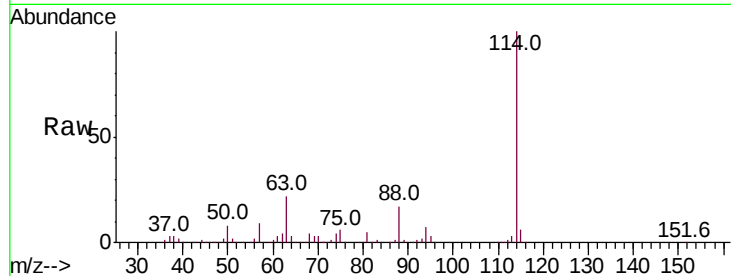
Tot Ion:114 Resp: 305544

Ion Ratio Lower Upper

114 100

63 21.6 0.0 43.2

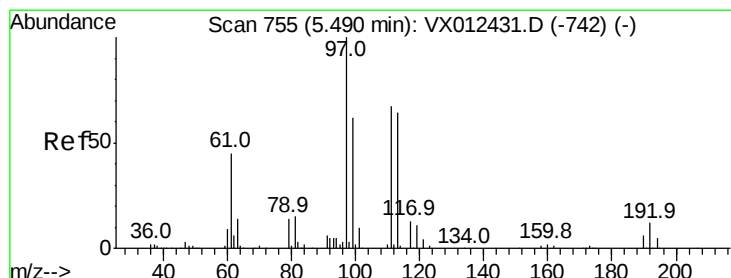
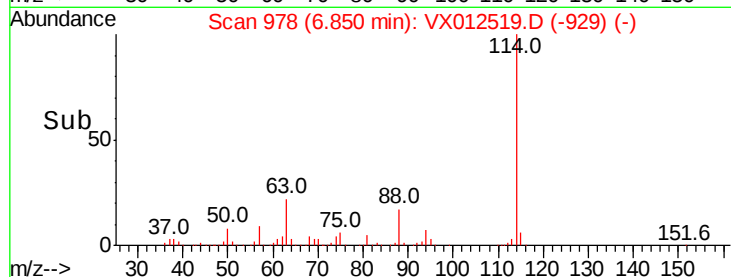
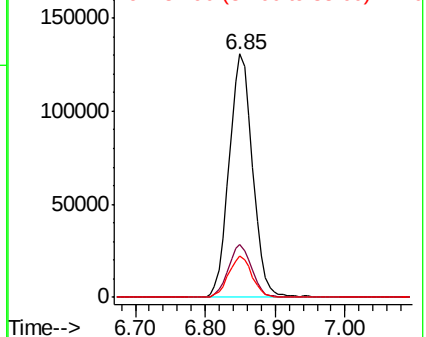
88 16.9 0.0 33.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 49.019 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX012519.D

Acq: 19 Sep 2019 11:31

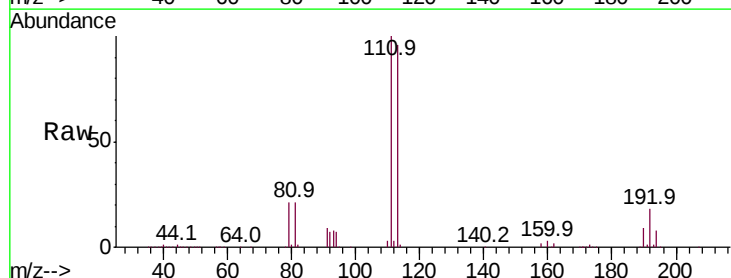
Tgt Ion:113 Resp: 90653

Ion Ratio Lower Upper

113 100

111 103.8 83.4 125.2

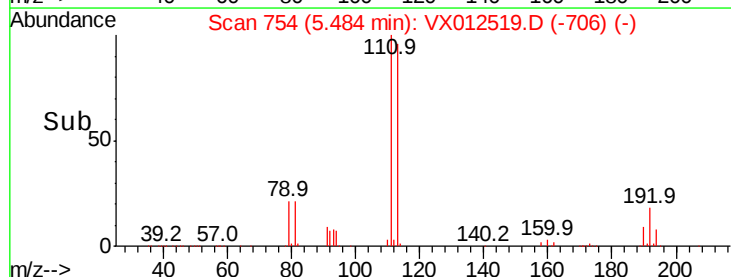
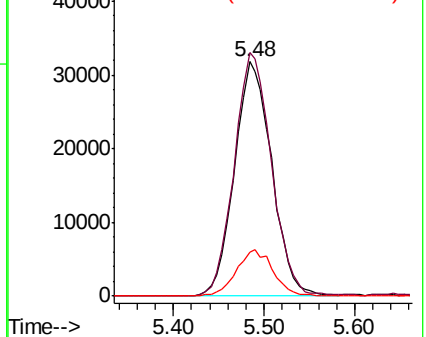
192 19.4 14.4 21.6

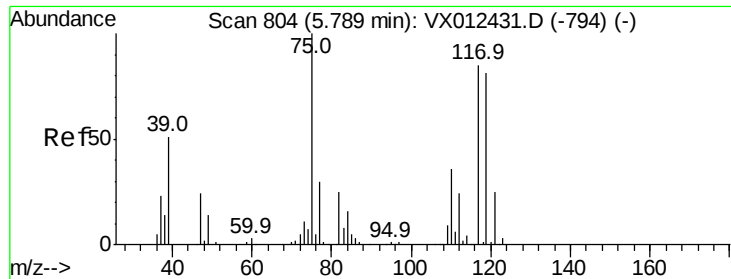


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 8.915 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.15 min

Lab File: VX012519.D

Acq: 19 Sep 2019 11:31

Instrument :

MSVOA_X

ClientSampleId :

VX0919WBL01

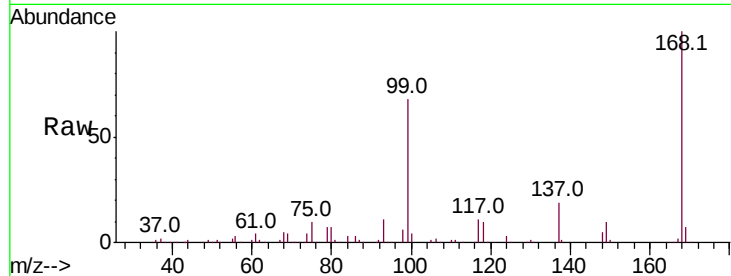
Tot Ion: 75 Resp: 16554

Ion Ratio Lower Upper

75 100

110 11.1 16.7 50.0#

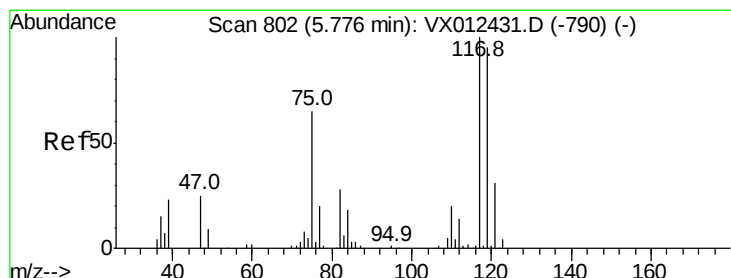
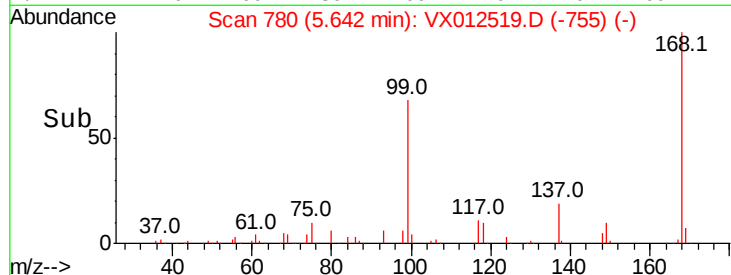
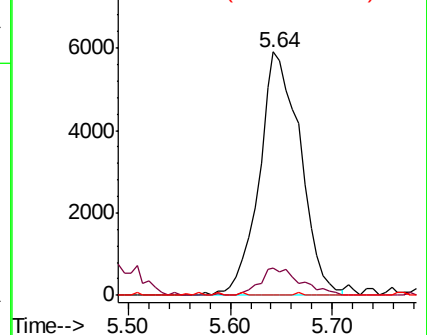
77 0.0 24.2 36.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 9.007 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX012519.D

Acq: 19 Sep 2019 11:31

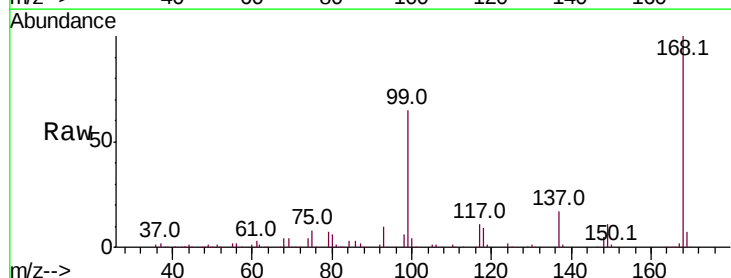
Tgt Ion: 117 Resp: 20801

Ion Ratio Lower Upper

117 100

119 5.3 75.7 113.5#

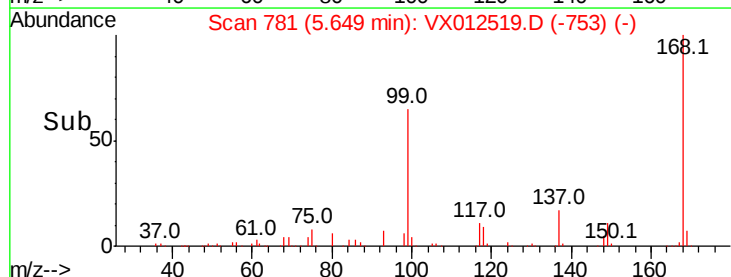
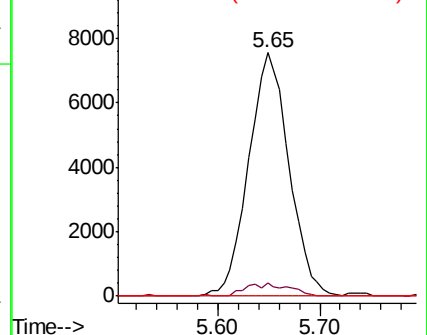
121 0.0 24.2 36.4#

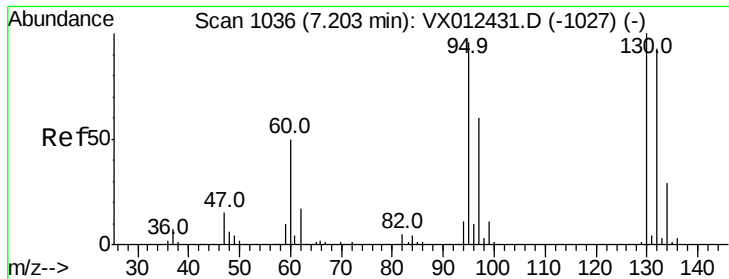


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: 0.278 ug/l

RT: 7.22 min Scan# 1038

Delta R.T. 0.01 min

Lab File: VX012519.D

Acq: 19 Sep 2019 11:31

Instrument :

MSVOA_X

ClientSampleId :

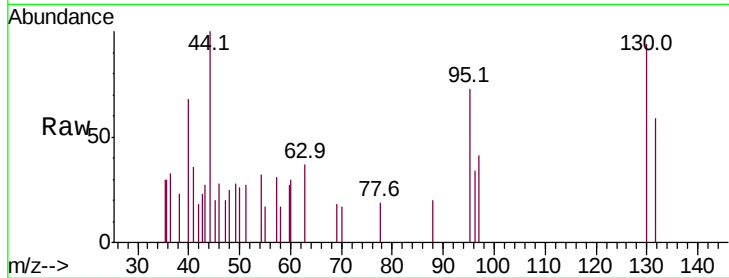
VX0919WBL01

Tot Ion:130 Resp: 432

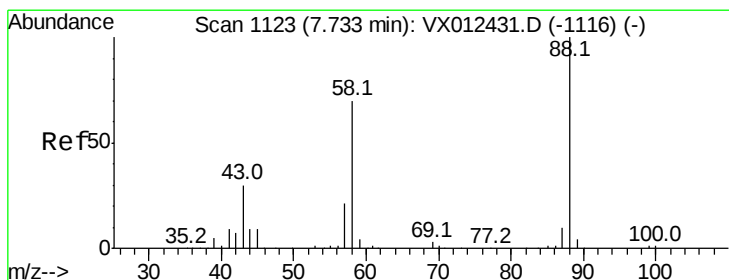
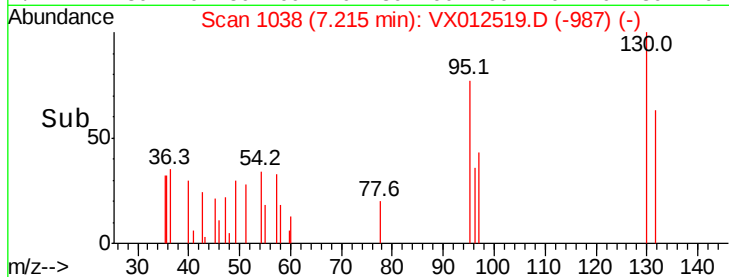
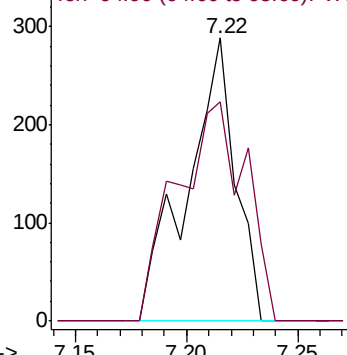
Ion Ratio Lower Upper

130 100

95 77.4 0.0 193.0



Abundance Ion 129.80 (129.50 to 130.50): V



#49

1,4-Dioxane

Concen: 0.324 ug/l

RT: 7.75 min Scan# 1126

Delta R.T. 0.02 min

Lab File: VX012519.D

Acq: 19 Sep 2019 11:31

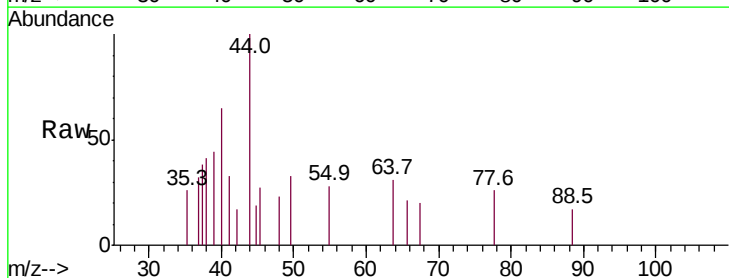
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 389.5 29.4 44.0#

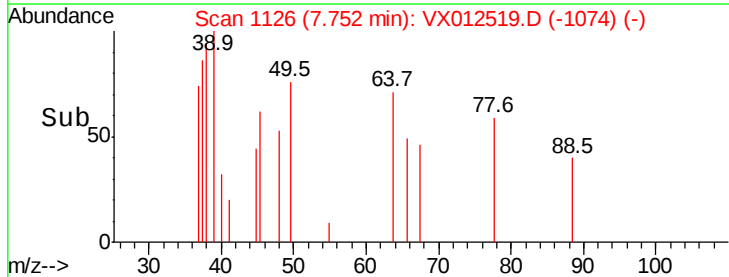
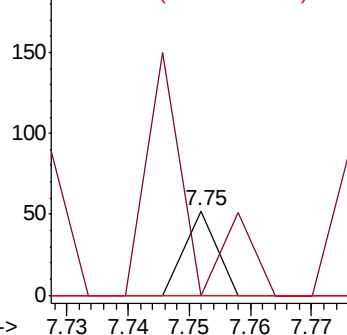
58 0.0 57.5 86.3#

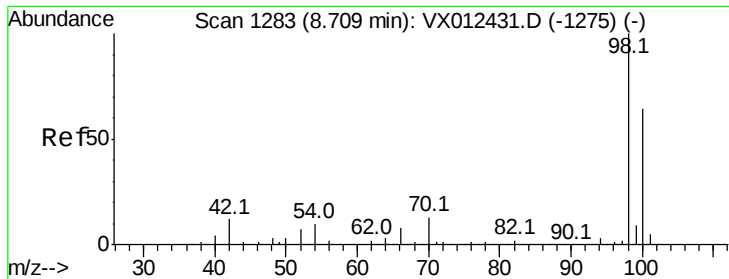


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

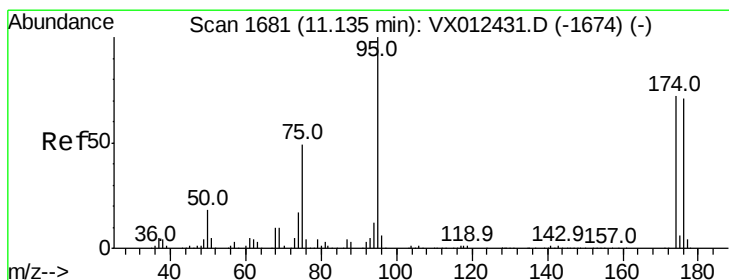
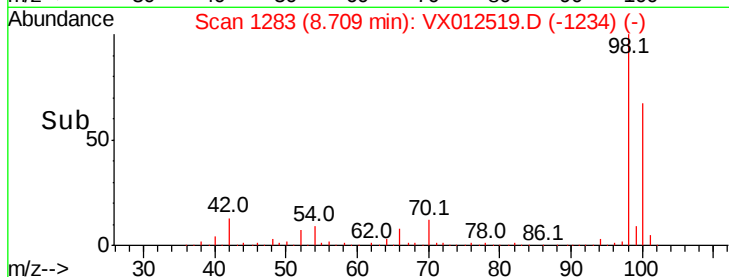
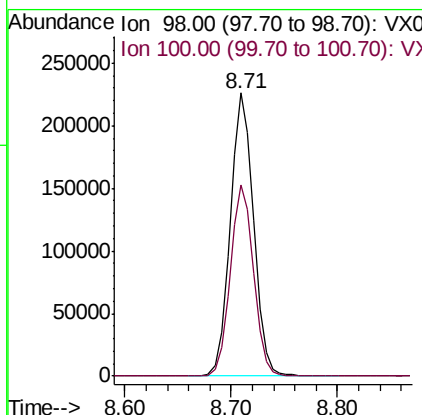
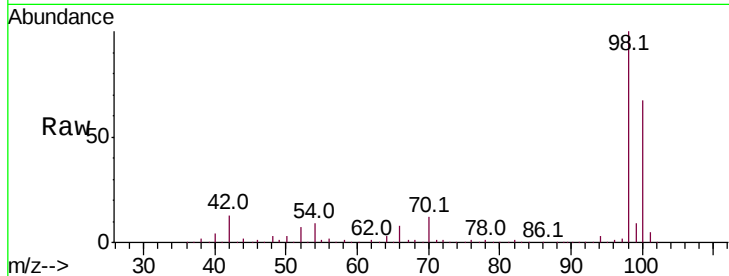




#50
Toluene-d8
Concen: 50.682 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012519.D
Acq: 19 Sep 2019 11:31

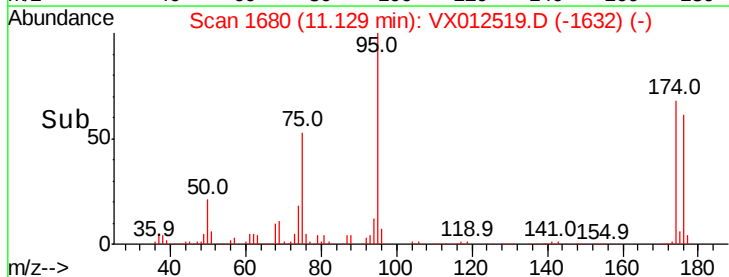
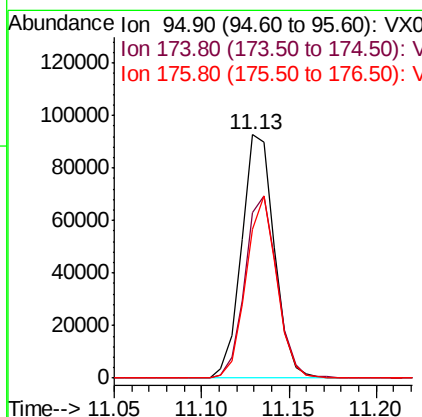
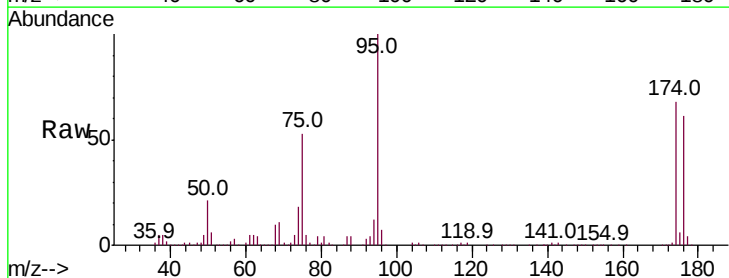
Instrument :
MSVOA_X
ClientSampled :
VX0919WBL01

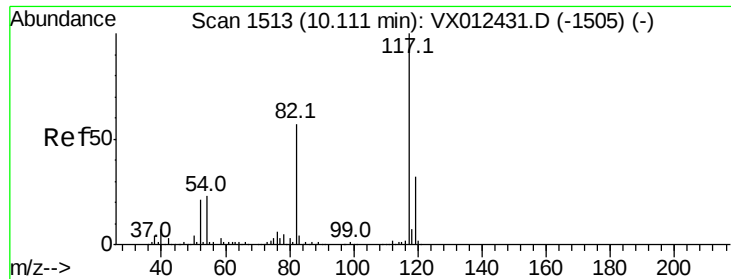
Tot Ion: 98 Resp: 346927
Ion Ratio Lower Upper
98 100
100 67.4 53.4 80.2



#62
4-Bromofluorobenzene
Concen: 42.546 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VX012519.D
Acq: 19 Sep 2019 11:31

Tgt Ion: 95 Resp: 120923
Ion Ratio Lower Upper
95 100
174 73.7 0.0 140.0
176 70.0 0.0 135.4

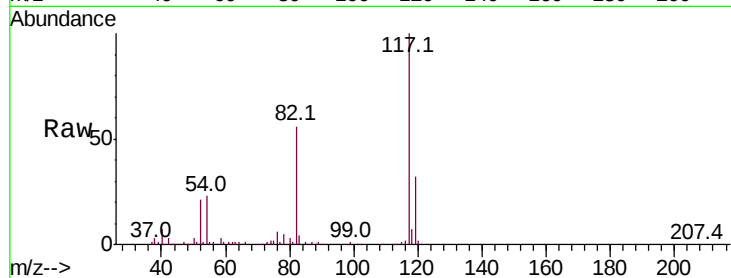




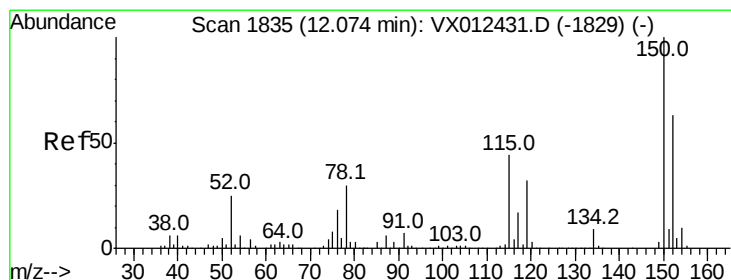
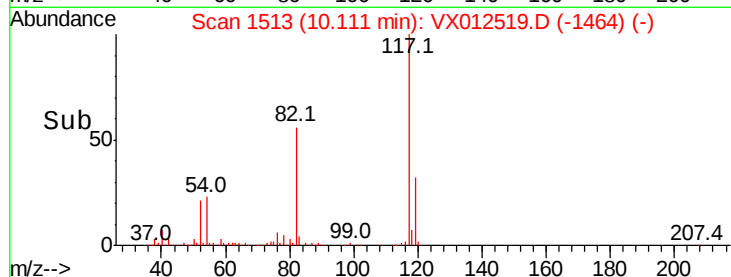
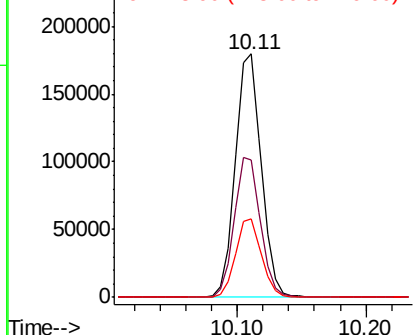
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012519.D
Acq: 19 Sep 2019 11:31

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBL01

Tot Ion:117 Resp: 251525
Ion Ratio Lower Upper
117 100
82 56.5 45.9 68.9
119 32.5 25.3 37.9

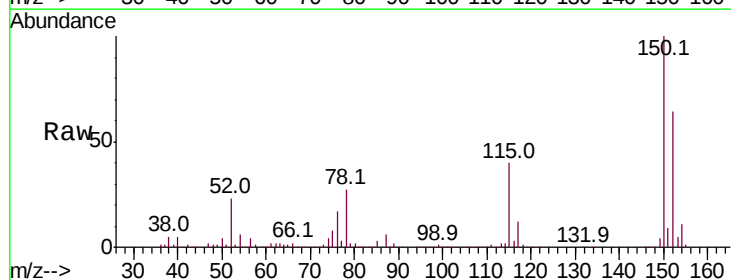


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

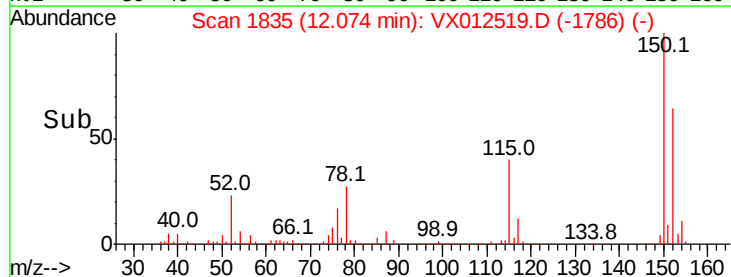
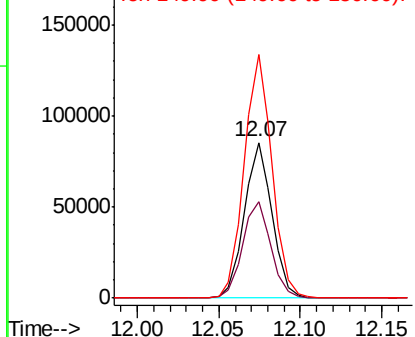


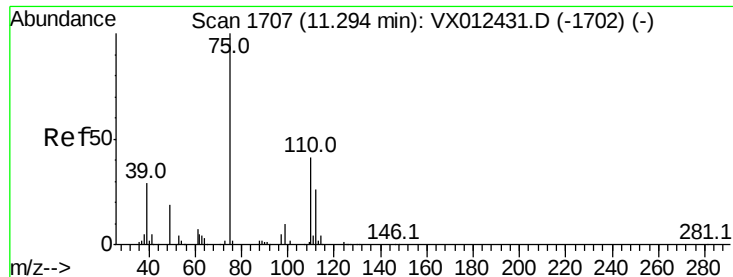
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012519.D
Acq: 19 Sep 2019 11:31

Tgt Ion:152 Resp: 100685
Ion Ratio Lower Upper
152 100
115 63.8 44.1 132.3
150 158.3 0.0 343.8



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: 27.286 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012519.D

Acq: 19 Sep 2019 11:31

Instrument :

MSVOA_X

ClientSampleId :

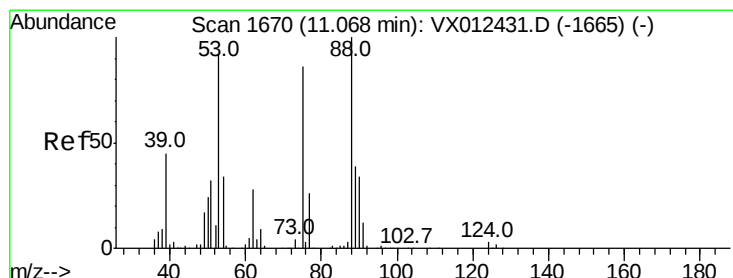
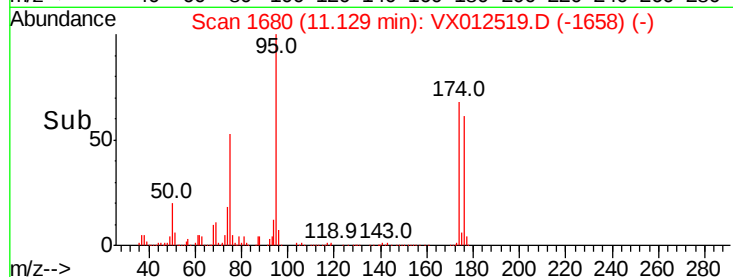
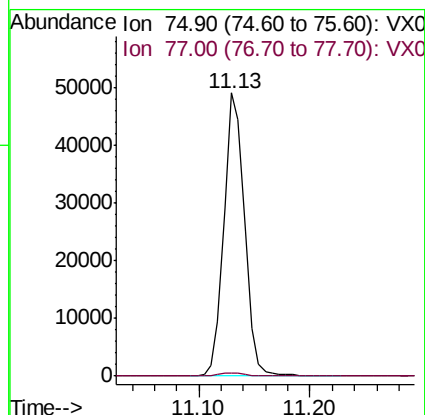
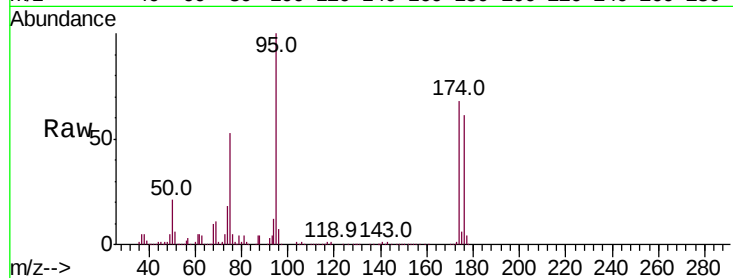
VX0919WBL01

Tot Ion: 75 Resp: 63107

Ion Ratio Lower Upper

75 100

77 1.4 19.7 59.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 73.367 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012519.D

Acq: 19 Sep 2019 11:31

Tgt Ion: 75 Resp: 63107

Ion Ratio Lower Upper

75 100

53 0.1 83.6 125.4#

89 0.0 36.3 54.5#

