

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071620\
 Data File : VX017385.D
 Acq On : 16 Jul 2020 12:12
 Operator : JC/SP
 Sample : VX0716WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0716WBL01

Quant Time: Jul 17 00:57:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071320W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 14 02:59:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	250722	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	444231	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	465661	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	239934	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	178366	56.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.36%	
35) Dibromofluoromethane	5.46	113	156971	52.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.92%	
50) Toluene-d8	8.70	98	557693	51.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.34%	
62) 4-Bromofluorobenzene	11.12	95	215884	50.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.70%	

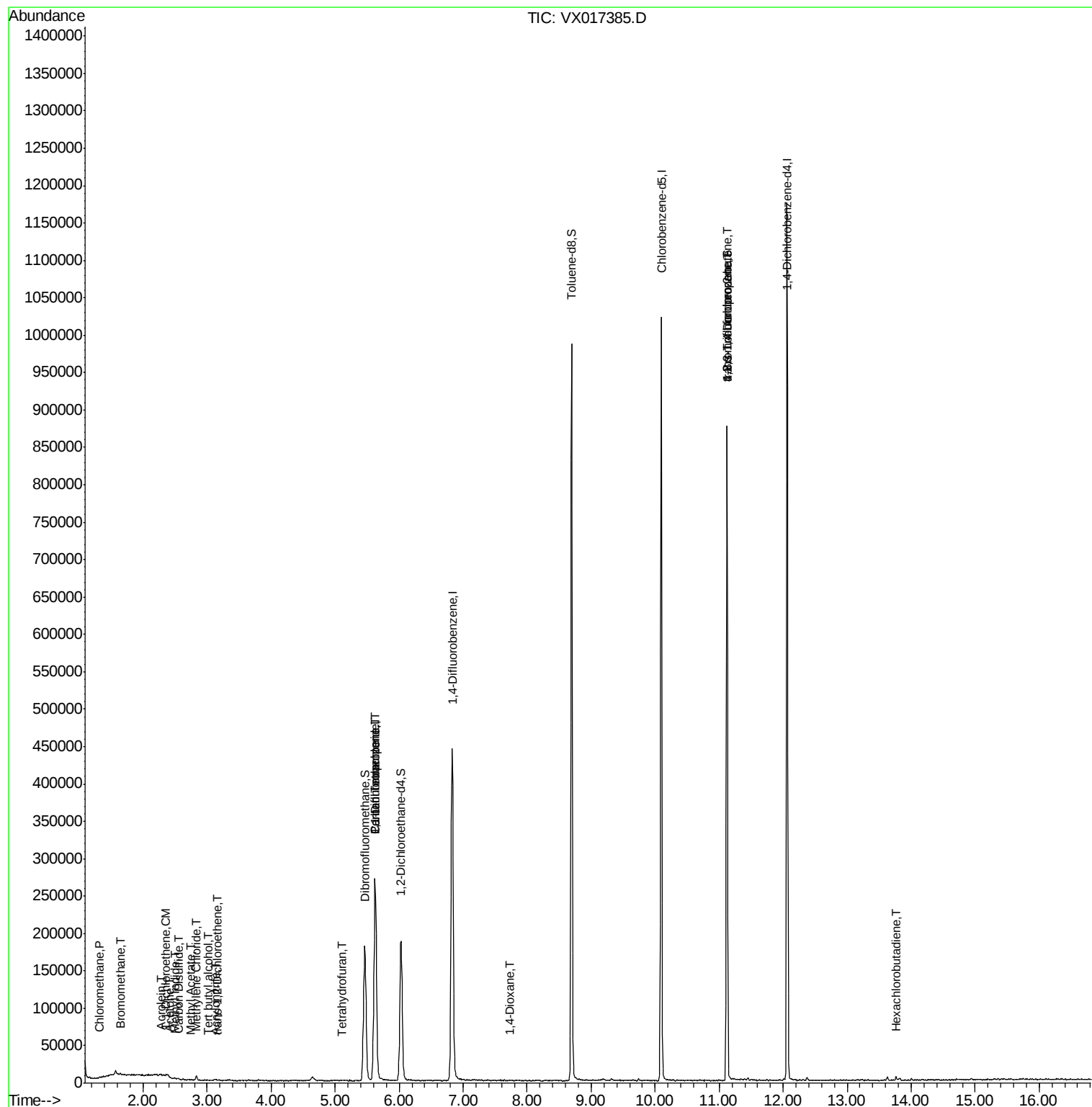
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	824	0.345	ug/l #	16
5) Bromomethane	1.64	94	731	0.475	ug/l #	49
10) Methyl Iodide	2.50	142	1121	2.729	ug/l #	72
11) Tert butyl alcohol	3.02	59	210	0.396	ug/l #	1
12) 1,1-Dichloroethene	2.36	96	540	0.237	ug/l #	24
13) Acrolein	2.29	56	278	0.957	ug/l #	14
15) Acrylonitrile	3.13	53	876	0.682	ug/l #	76
16) Acetone	2.42	43	1406	1.252	ug/l #	75
17) Carbon Disulfide	2.56	76	1963	0.295	ug/l #	46
18) Methyl Acetate	2.75	43	1051	0.379	ug/l	92
20) Methylene Chloride	2.84	84	2484	0.907	ug/l	88
21) trans-1,2-Dichloroethene	3.15	96	558	0.214	ug/l #	9
29) Tetrahydrofuran	5.09	42	426	0.369	ug/l #	75
36) 1,1-Dichloropropene	5.62	75	20295	4.967	ug/l #	41
38) Carbon Tetrachloride	5.62	117	25631	5.358	ug/l #	19
49) 1,4-Dioxane	7.73	88	105	1.583	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	107019	24.138	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	107019	61.233	ug/l #	11
94) Hexachlorobutadiene	13.76	225	660	0.324	ug/l	95

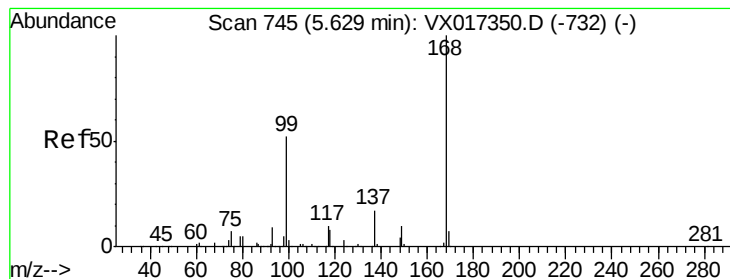
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :
VX0716WBL01

Quant Time: Jul 17 00:57:28 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X071320W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 14 02:59:51 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX017385.D

Acq: 16 Jul 2020 12:12

Instrument :

MSVOA_X

ClientSampled :

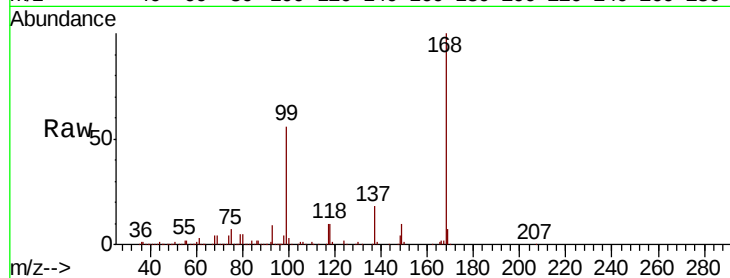
VX0716WBL01

Tot Ion:168 Resp: 250722

Ion Ratio Lower Upper

168 100

99 55.8 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

100000

80000

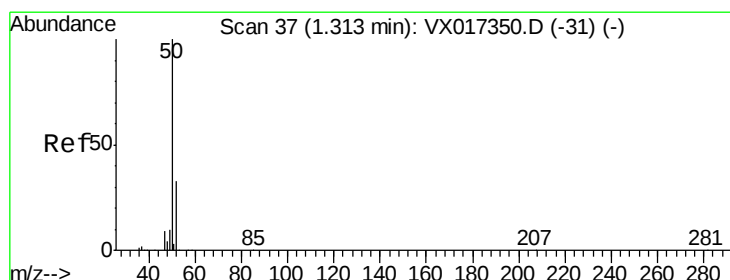
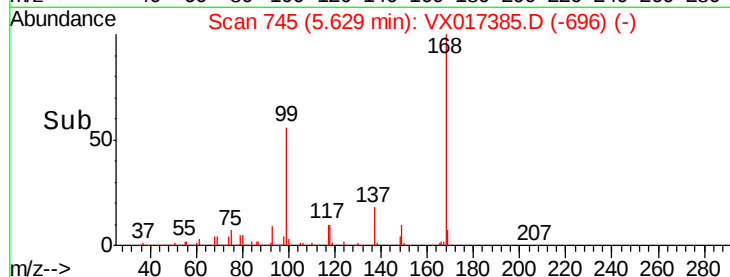
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.345 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX017385.D

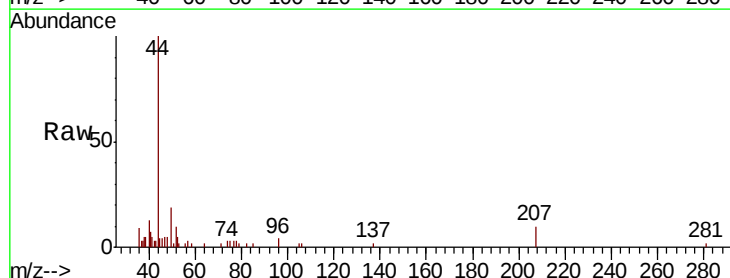
Acq: 16 Jul 2020 12:12

Tgt Ion: 50 Resp: 824

Ion Ratio Lower Upper

50 100

52 80.9 26.7 40.1#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

600

500

400

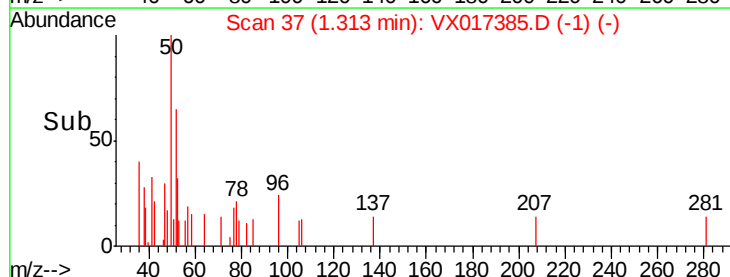
300

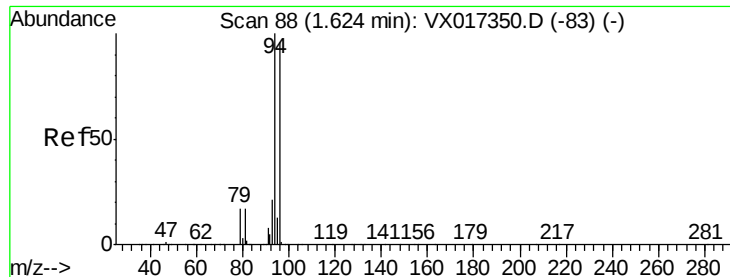
200

100

0

Time-->





#5

Bromomethane

Concen: 0.475 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX017385.D

Acq: 16 Jul 2020 12:12

Instrument :

MSVOA_X

ClientSampleId :

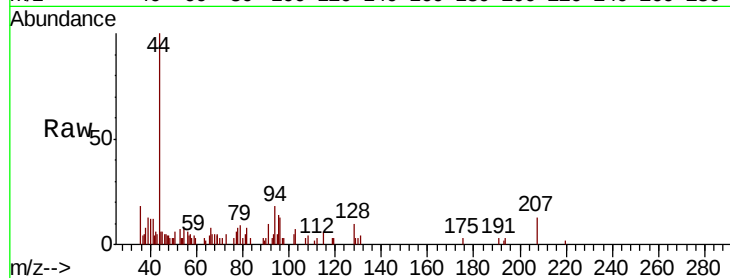
VX0716WBL01

Tot Ion: 94 Resp: 731

Ion Ratio Lower Upper

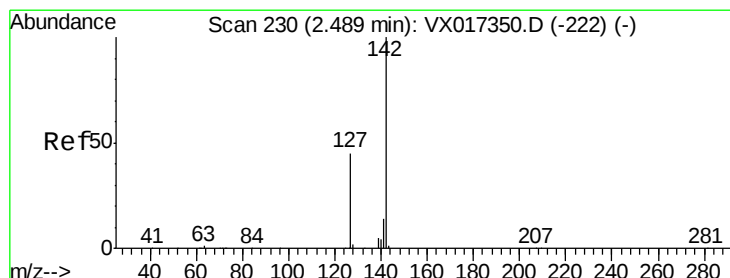
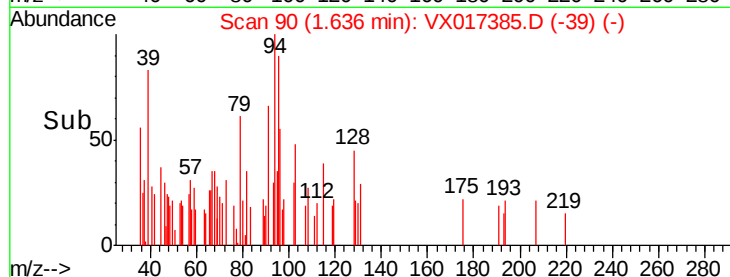
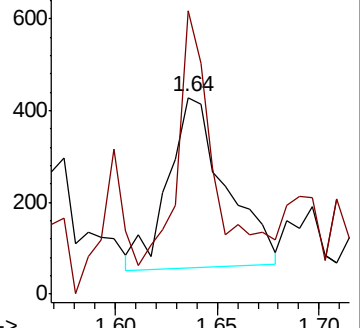
94 100

96 145.2 76.6 115.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 2.729 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX017385.D

Acq: 16 Jul 2020 12:12

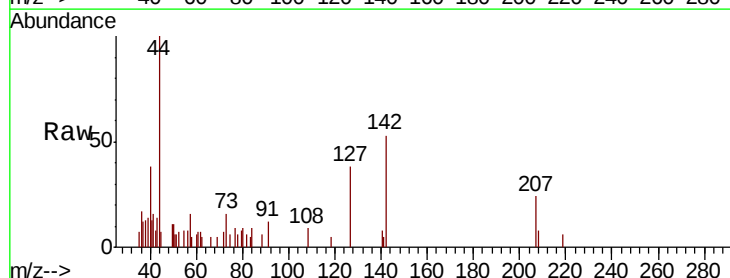
Tgt Ion: 142 Resp: 1121

Ion Ratio Lower Upper

142 100

127 66.3 36.8 55.2#

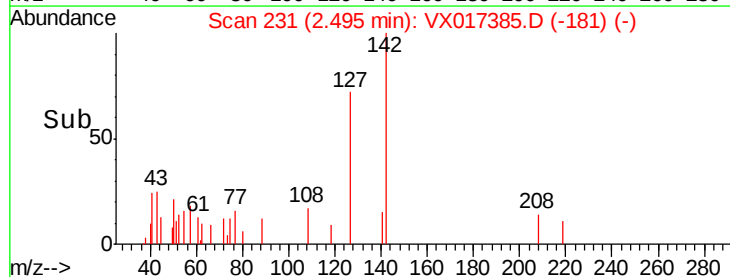
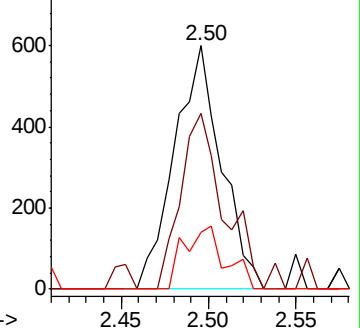
141 22.8 11.4 17.0#

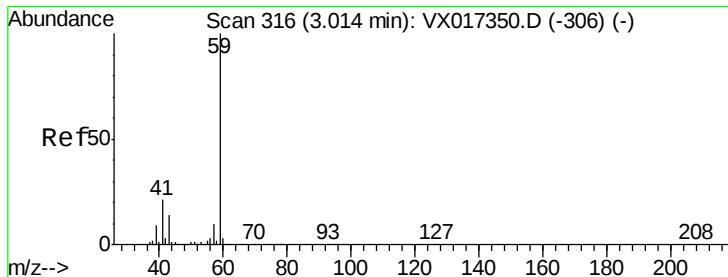


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



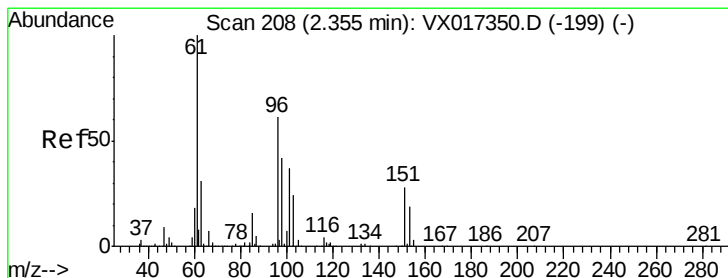
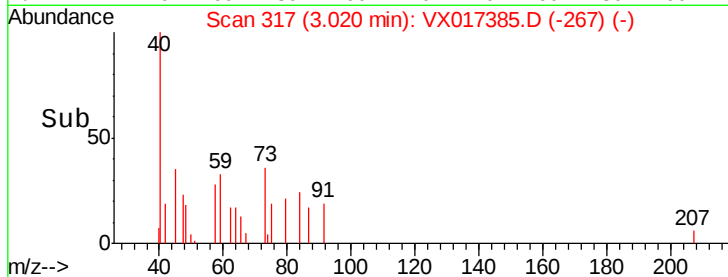
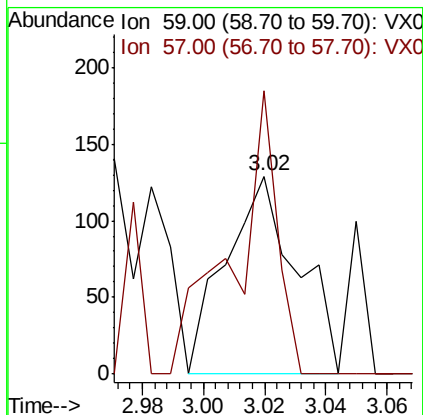
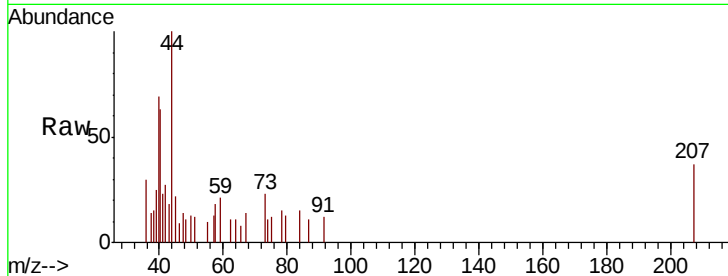


#11

Tert butyl alcohol
Concen: 0.396 ug/l
RT: 3.02 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX017385.D
Acq: 16 Jul 2020 12:12

Instrument :
MSVOA_X
ClientSampleId :
VX0716WBL01

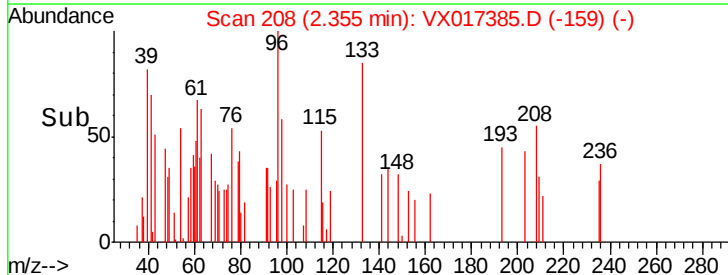
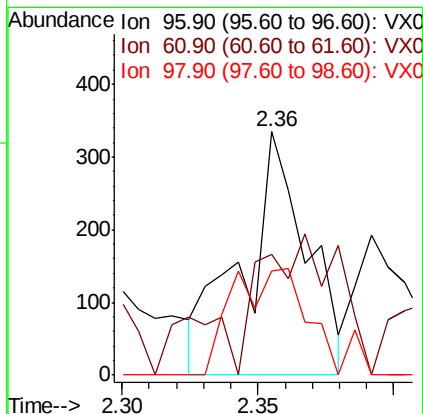
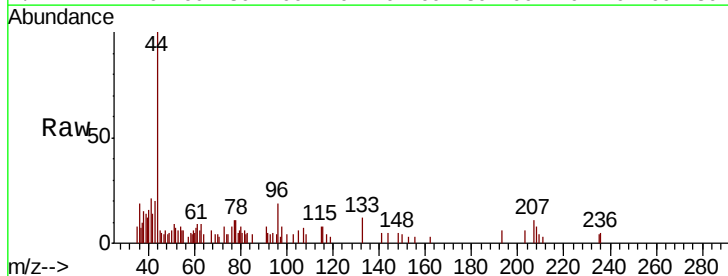
Tot Ion: 59 Resp: 210
Ion Ratio Lower Upper
59 100
57 87.6 8.3 12.5#

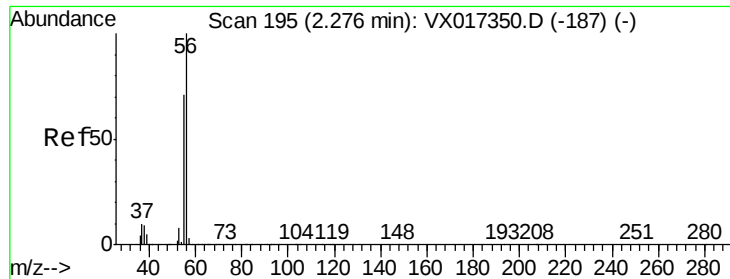


#12

1,1-Dichloroethene
Concen: 0.237 ug/l
RT: 2.36 min Scan# 208
Delta R.T. -0.00 min
Lab File: VX017385.D
Acq: 16 Jul 2020 12:12

Tgt Ion: 96 Resp: 540
Ion Ratio Lower Upper
96 100
61 31.1 131.5 197.3#
98 51.4 55.1 82.7#





#13

Acrolein

Concen: 0.957 ug/l

RT: 2.29 min Scan# 197

Delta R.T. 0.01 min

Lab File: VX017385.D

Acq: 16 Jul 2020 12:12

Instrument :

MSVOA_X

ClientSampleId :

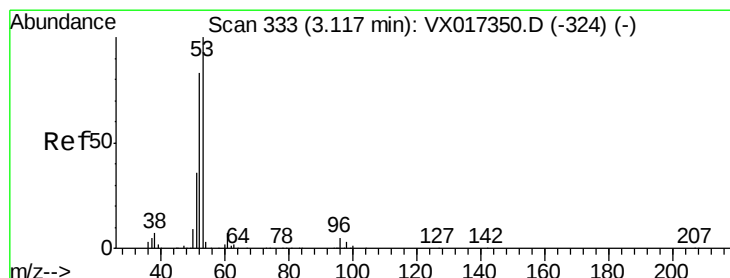
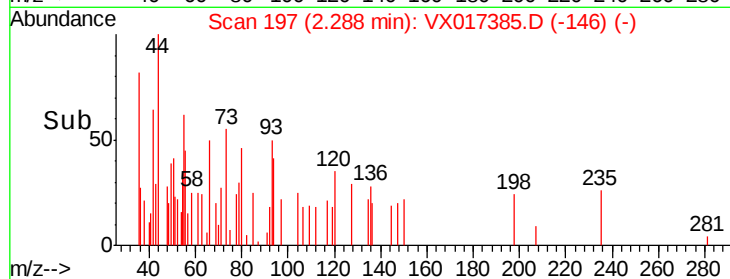
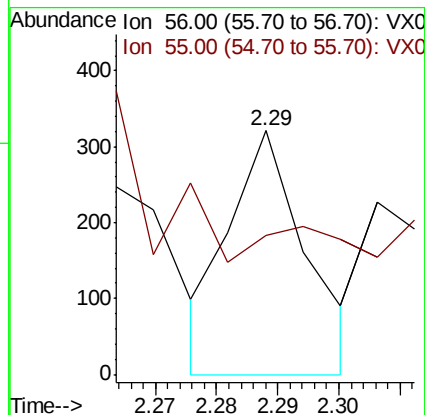
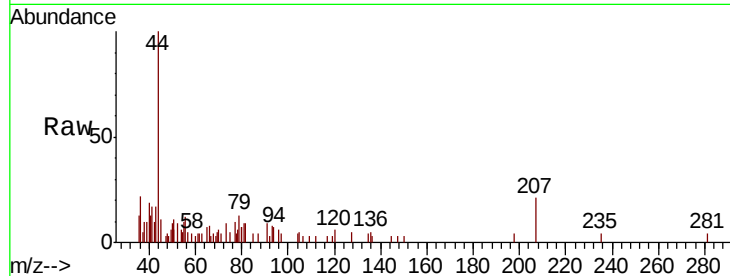
VX0716WBL01

Tot Ion: 56 Resp: 278

Ion Ratio Lower Upper

56 100

55 0.0 57.1 85.7#



#15

Acrylonitrile

Concen: 0.682 ug/l

RT: 3.13 min Scan# 335

Delta R.T. 0.01 min

Lab File: VX017385.D

Acq: 16 Jul 2020 12:12

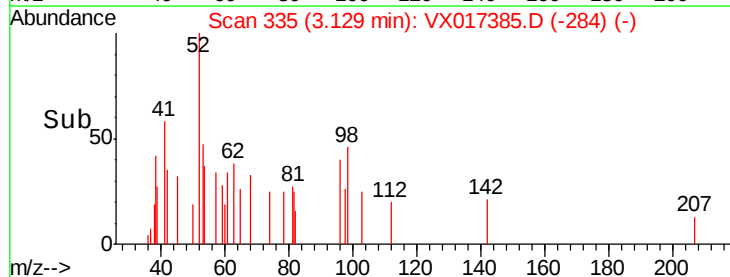
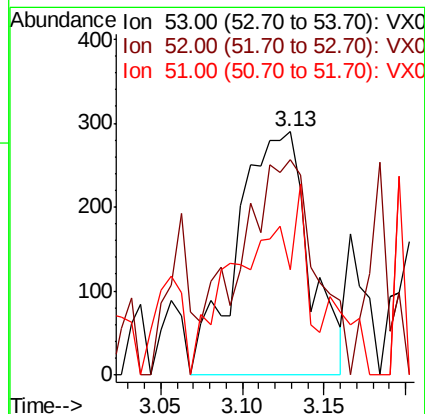
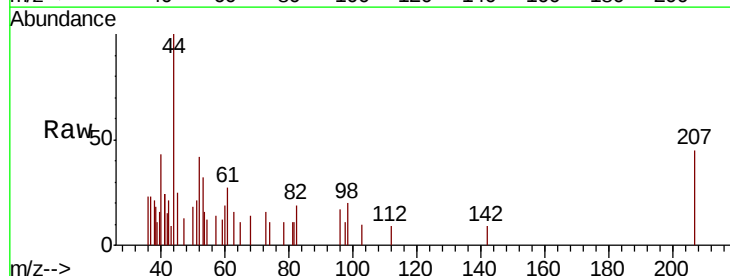
Tgt Ion: 53 Resp: 876

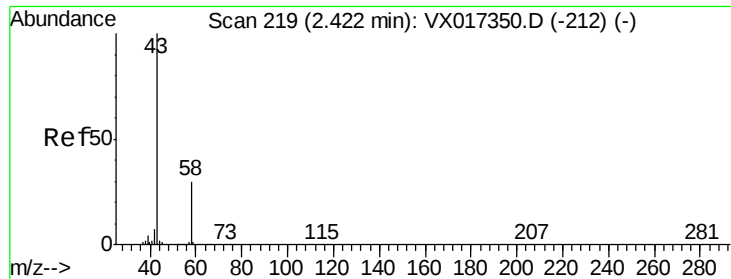
Ion Ratio Lower Upper

53 100

52 93.2 65.8 98.6

51 67.1 29.2 43.8#





#16

Acetone

Concen: 1.252 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX017385.D

Acq: 16 Jul 2020 12:12

Instrument :

MSVOA_X

ClientSampled :

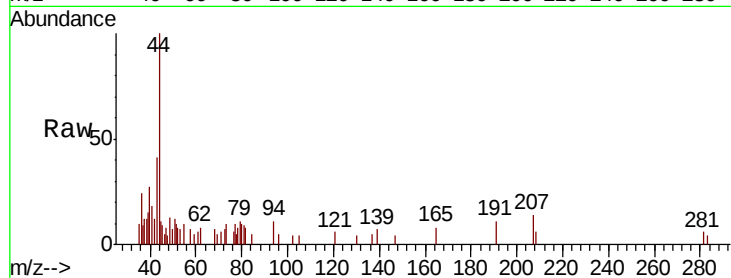
VX0716WBL01

Tot Ion: 43 Resp: 1406

Ion Ratio Lower Upper

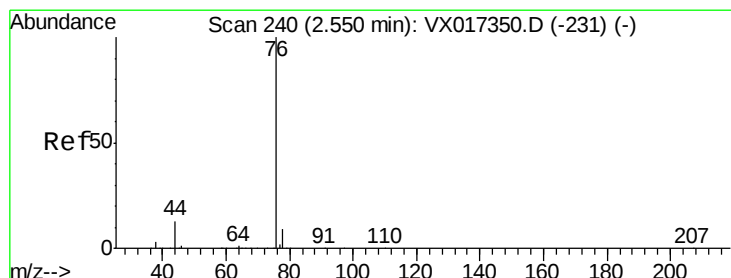
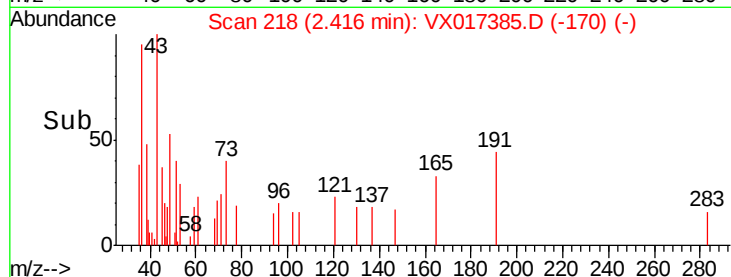
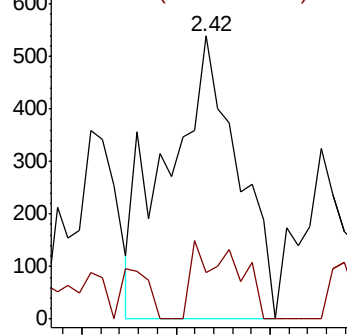
43 100

58 16.5 24.2 36.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.295 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX017385.D

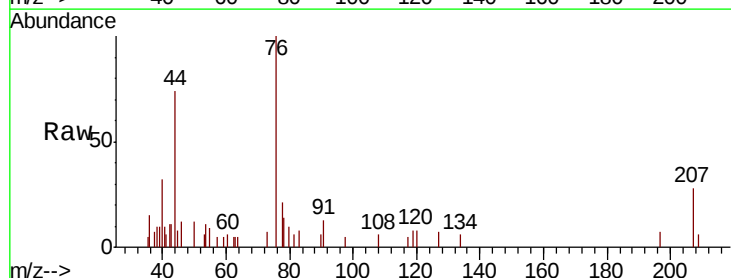
Acq: 16 Jul 2020 12:12

Tgt Ion: 76 Resp: 1963

Ion Ratio Lower Upper

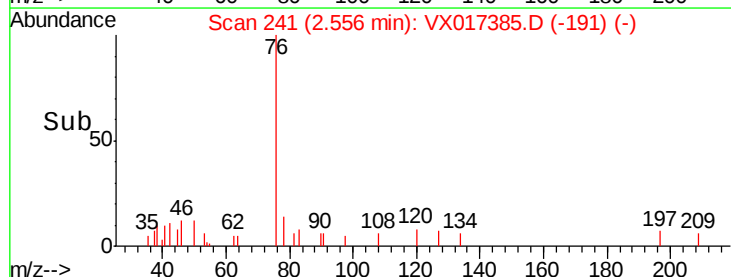
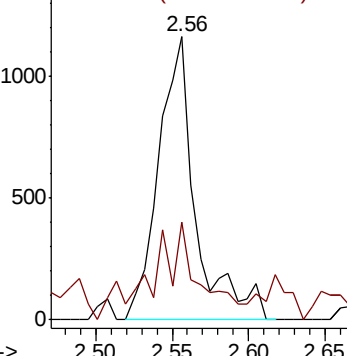
76 100

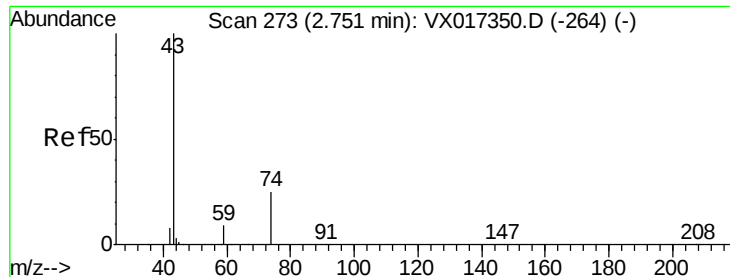
78 28.8 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

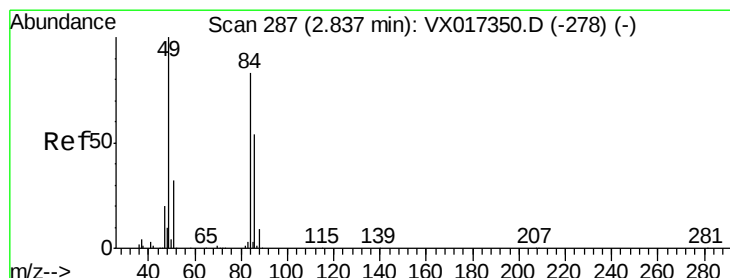
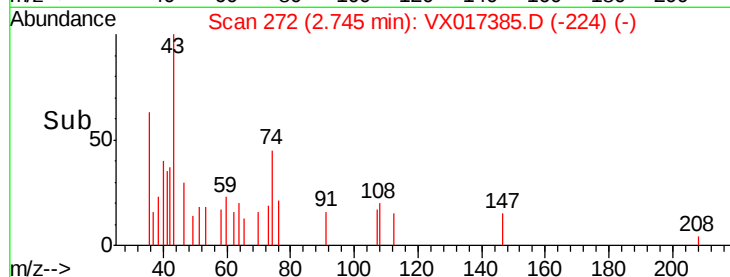
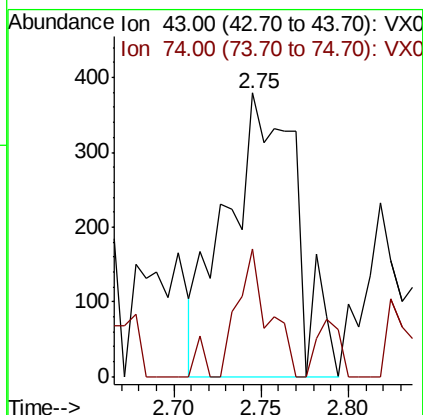
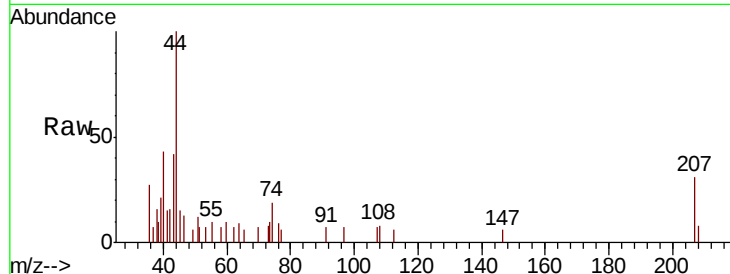




#18
Methyl Acetate
Concen: 0.379 ug/l
RT: 2.75 min Scan# 272
Delta R.T. -0.01 min
Lab File: VX017385.D
Acq: 16 Jul 2020 12:12

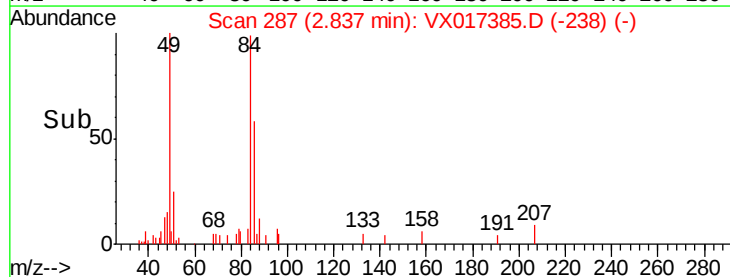
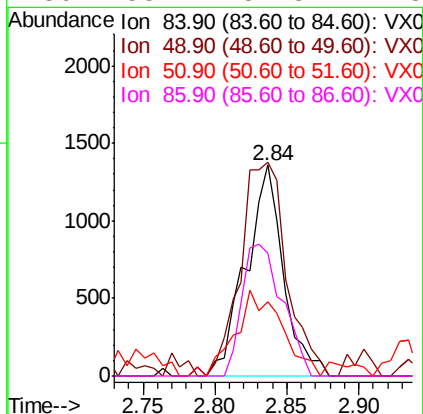
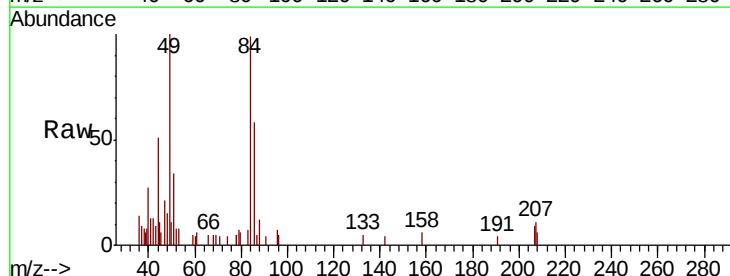
Instrument :
MSVOA_X
ClientSampled :
VX0716WBL01

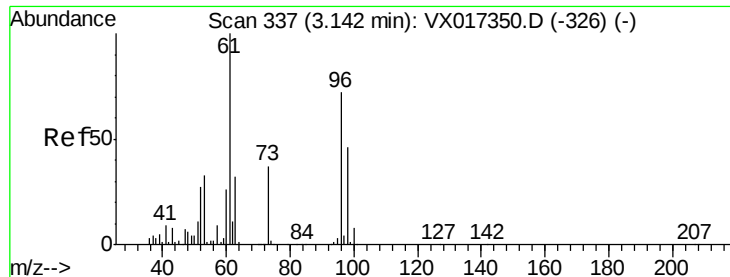
Tot Ion: 43 Resp: 1051
Ion Ratio Lower Upper
43 100
74 20.3 19.4 29.2



#20
Methylene Chloride
Concen: 0.907 ug/l
RT: 2.84 min Scan# 287
Delta R.T. -0.00 min
Lab File: VX017385.D
Acq: 16 Jul 2020 12:12

Tgt Ion: 84 Resp: 2484
Ion Ratio Lower Upper
84 100
49 101.4 95.8 143.8
51 35.0 31.0 46.4
86 58.4 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 0.214 ug/l

RT: 3.15 min Scan# 339

Delta R.T. 0.01 min

Lab File: VX017385.D

Acq: 16 Jul 2020 12:12

Instrument :

MSVOA_X

ClientSampleId :

VX0716WBL01

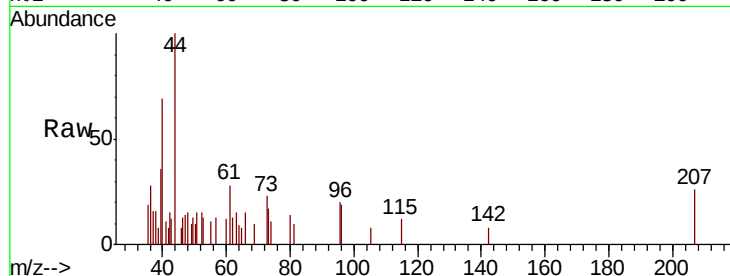
Tot Ion: 96 Resp: 558

Ion Ratio Lower Upper

96 100

61 23.3 111.1 166.7#

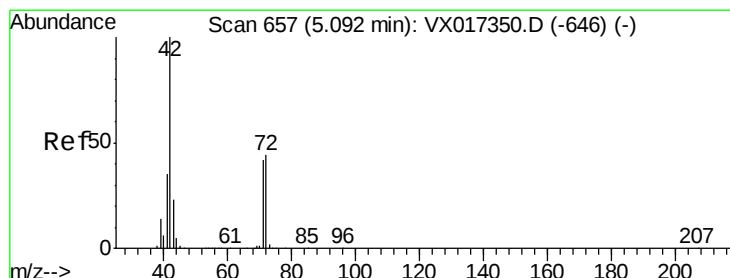
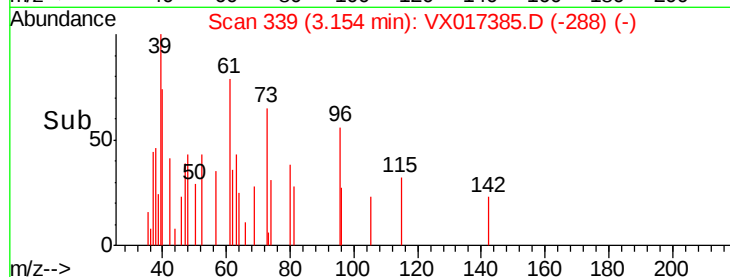
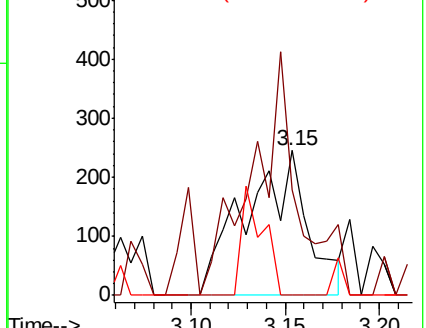
98 0.0 51.4 77.0#



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#29

Tetrahydrofuran

Concen: 0.369 ug/l

RT: 5.09 min Scan# 657

Delta R.T. -0.00 min

Lab File: VX017385.D

Acq: 16 Jul 2020 12:12

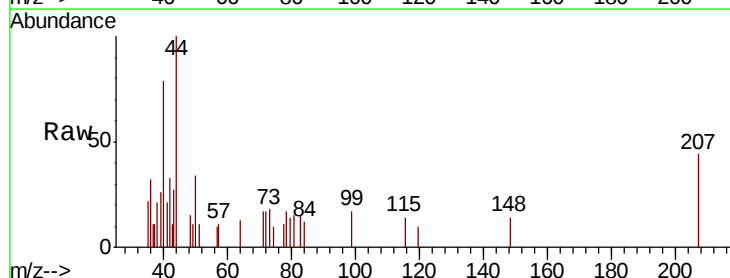
Tgt Ion: 42 Resp: 426

Ion Ratio Lower Upper

42 100

72 22.3 37.2 55.8#

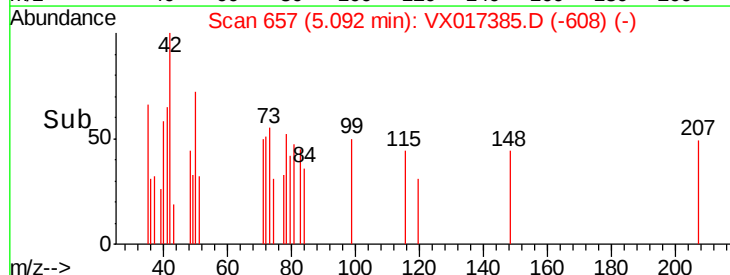
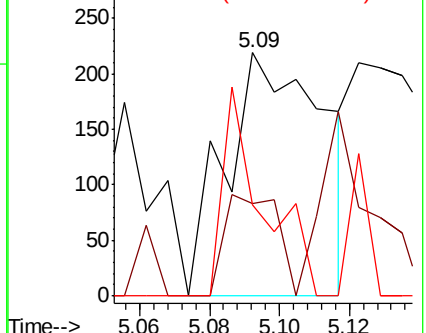
71 35.2 34.4 51.6

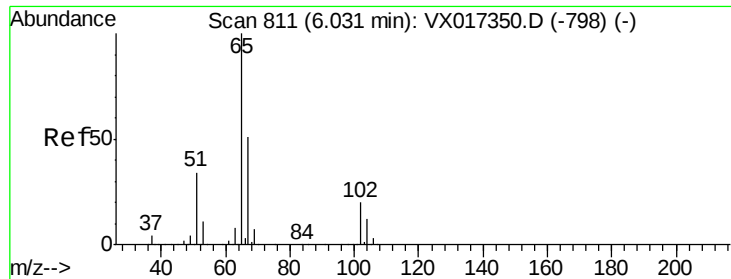


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

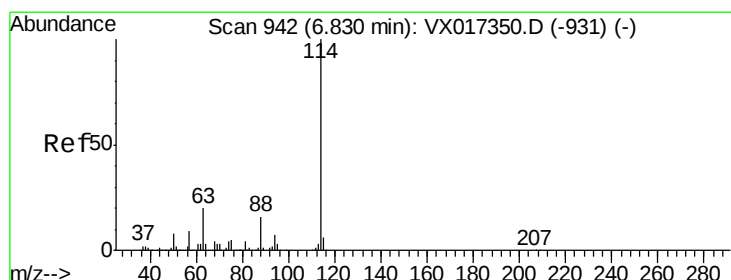
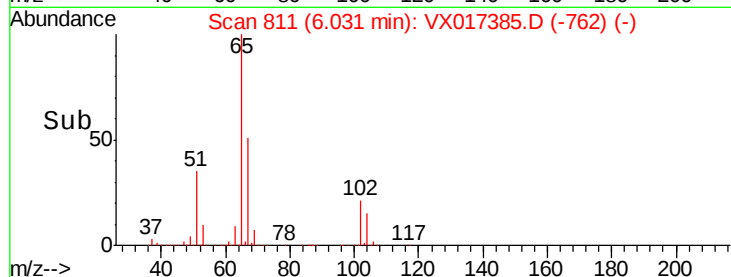
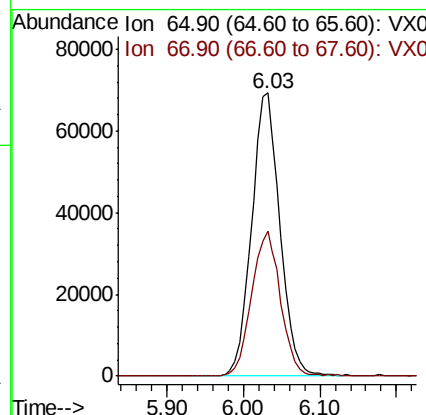
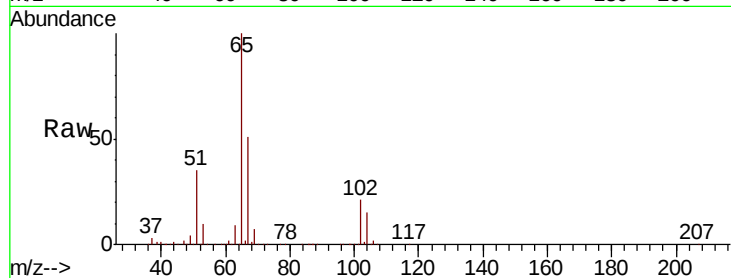




#33
 1,2-Dichloroethane-d4
 Concen: 56.682 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX017385.D
 Acq: 16 Jul 2020 12:12

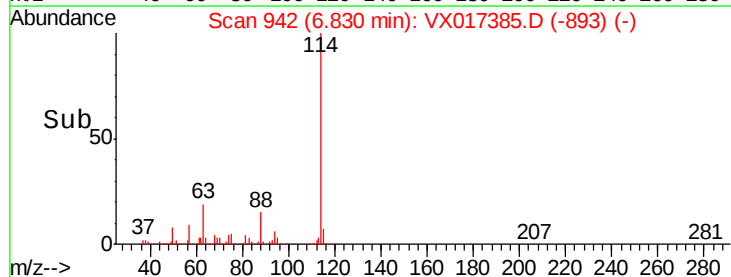
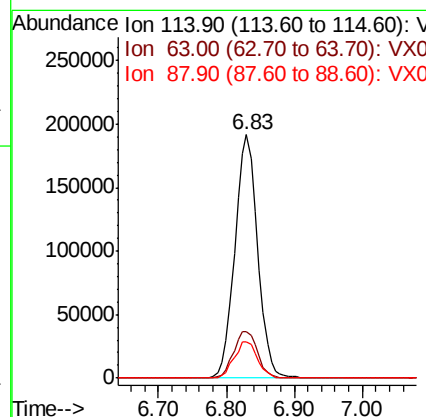
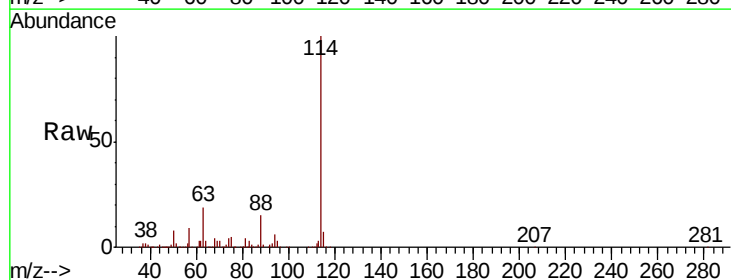
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0716WBL01

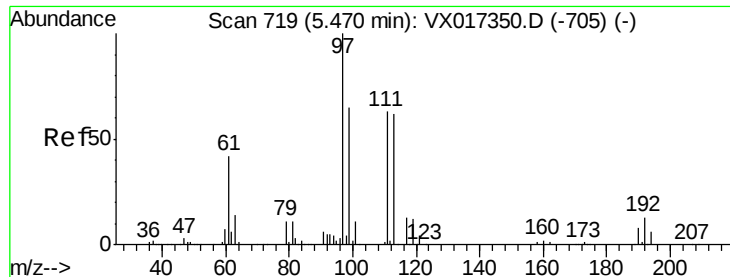
Tot Ion: 65 Resp: 178366
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX017385.D
 Acq: 16 Jul 2020 12:12

Tgt Ion: 114 Resp: 444231
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 40.0
 88 15.1 0.0 32.8





#35

Dibromofluoromethane

Concen: 52.456 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX017385.D

Acq: 16 Jul 2020 12:12

Instrument :

MSVOA_X

ClientSampleId :

VX0716WBL01

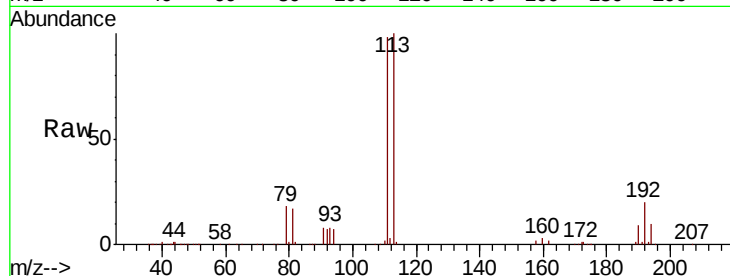
Tot Ion:113 Resp: 156971

Ion Ratio Lower Upper

113 100

111 101.7 82.4 123.6

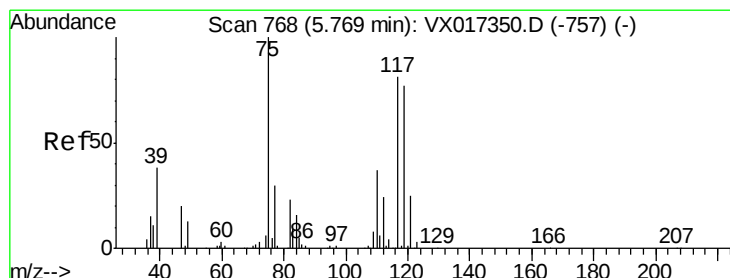
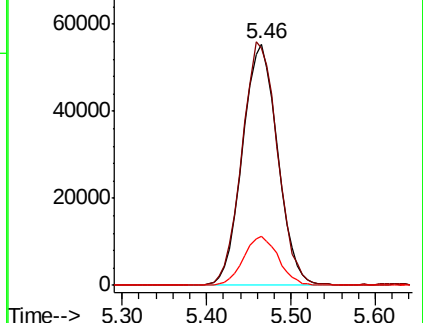
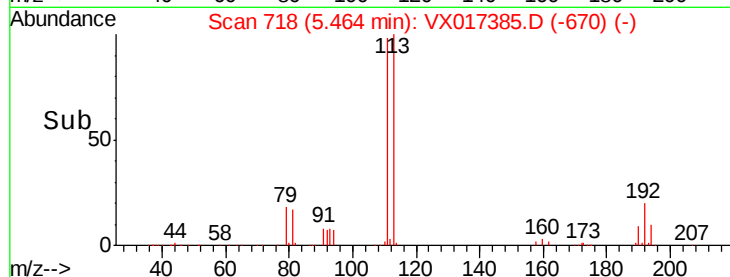
192 20.2 17.2 25.8



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: 4.967 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.15 min

Lab File: VX017385.D

Acq: 16 Jul 2020 12:12

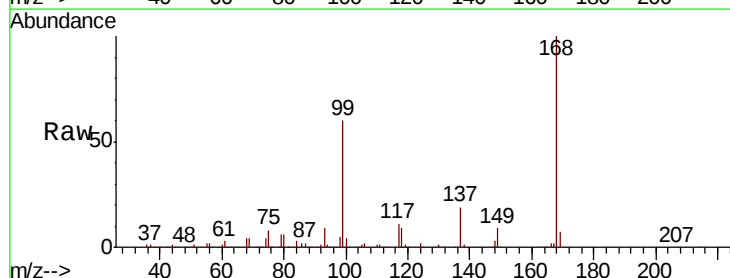
Tgt Ion: 75 Resp: 20295

Ion Ratio Lower Upper

75 100

110 0.0 18.6 55.8#

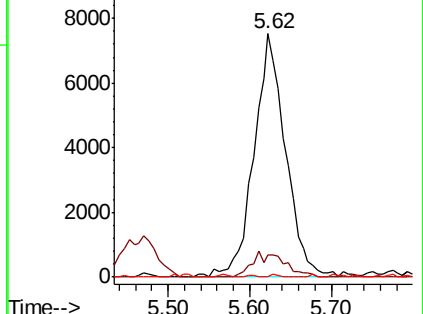
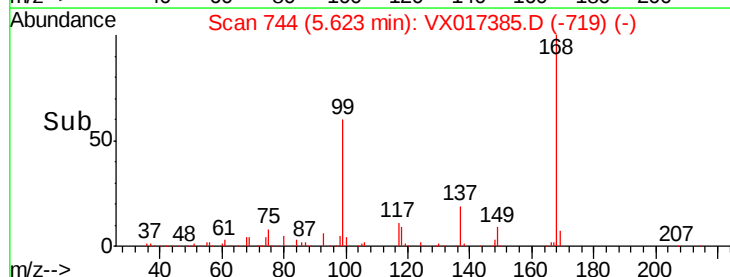
77 0.3 24.9 37.3#

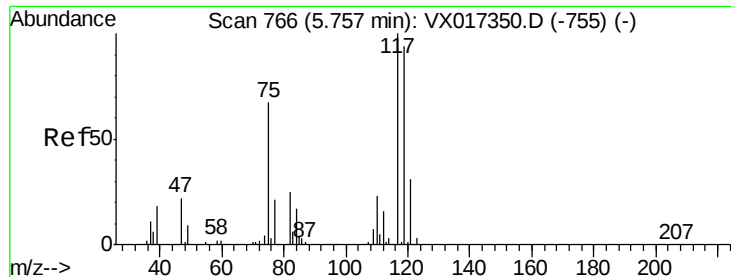


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.358 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.13 min

Lab File: VX017385.D

Acq: 16 Jul 2020 12:12

Instrument :

MSVOA_X

ClientSampleId :

VX0716WBL01

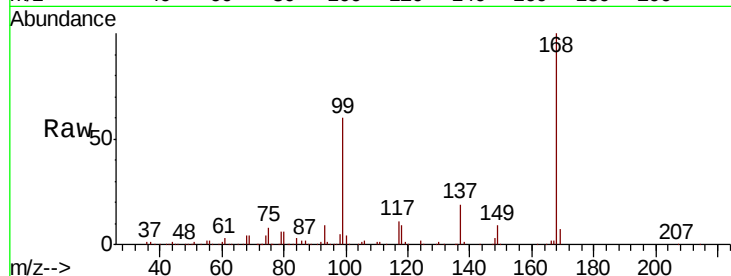
Tot Ion:117 Resp: 25631

Ion Ratio Lower Upper

117 100

119 7.3 74.7 112.1#

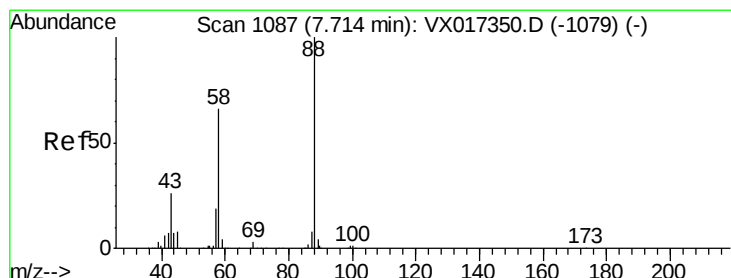
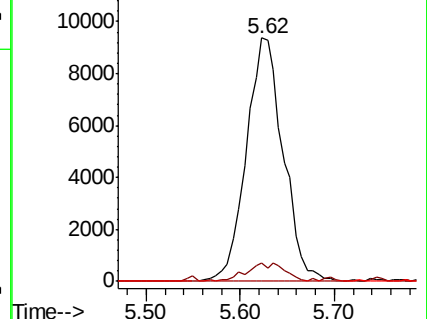
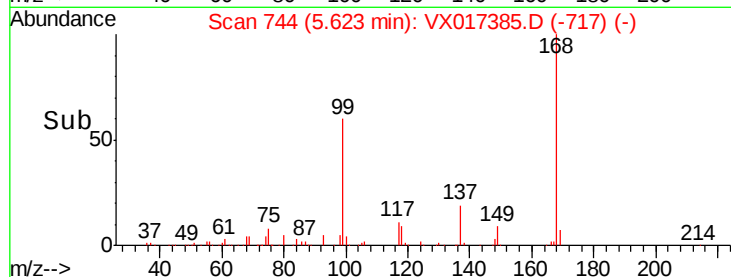
121 0.0 24.5 36.7#



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



#49

1,4-Dioxane

Concen: 1.583 ug/l

RT: 7.73 min Scan# 1090

Delta R.T. 0.02 min

Lab File: VX017385.D

Acq: 16 Jul 2020 12:12

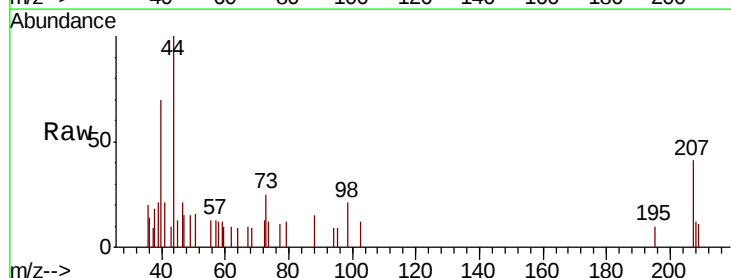
Tgt Ion: 88 Resp: 105

Ion Ratio Lower Upper

88 100

43 315.2 25.6 38.4#

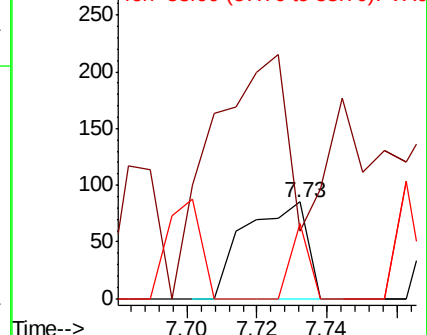
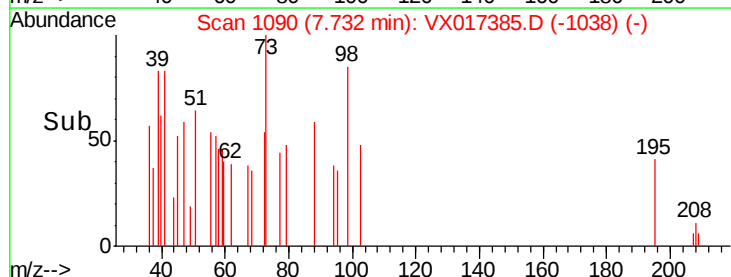
58 22.9 53.9 80.9#

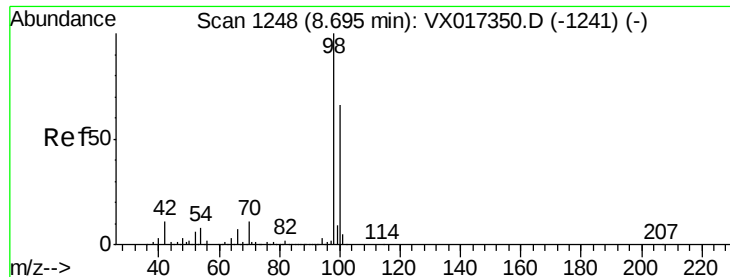


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

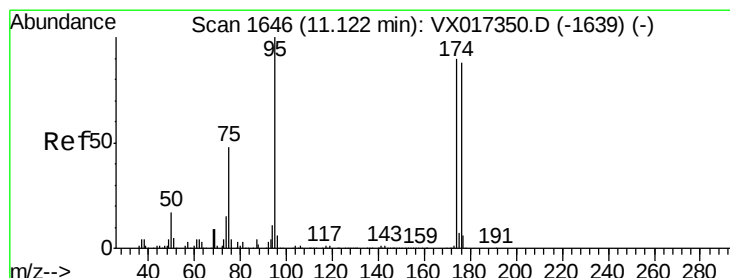
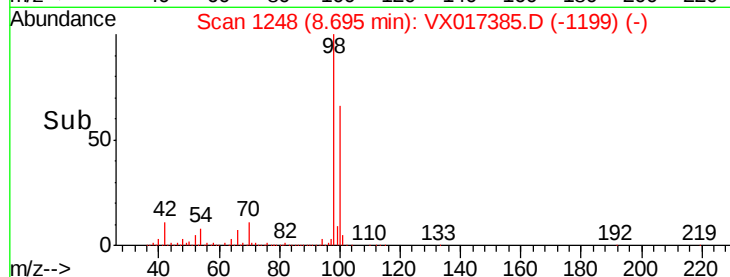
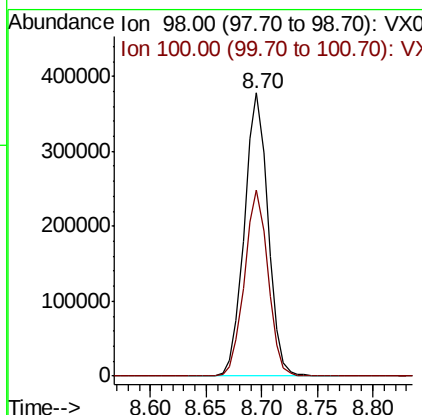
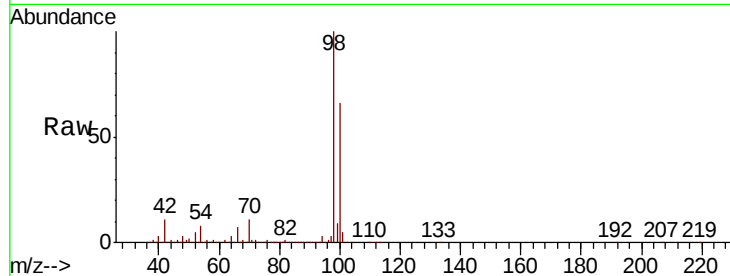




#50
Toluene-d8
Concen: 51.667 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX017385.D
Acq: 16 Jul 2020 12:12

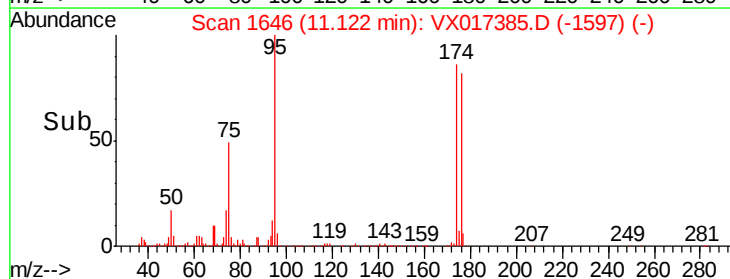
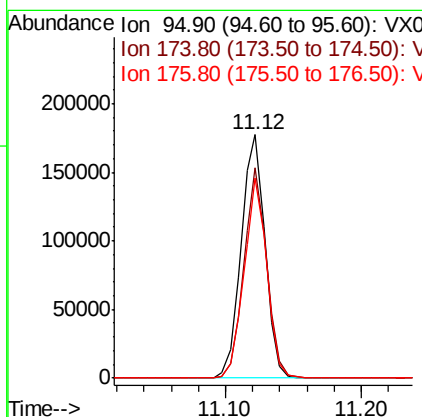
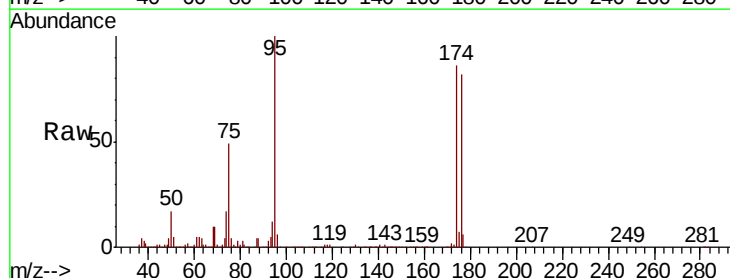
Instrument :
MSVOA_X
ClientSampleId :
VX0716WBL01

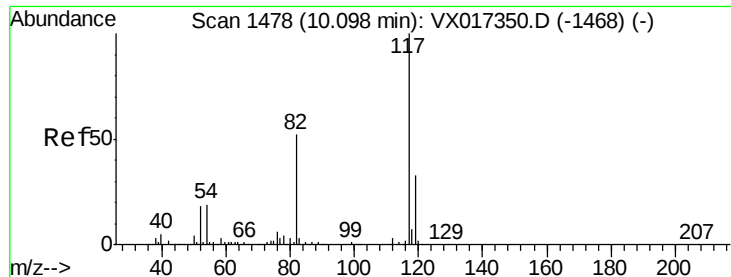
Tot Ion: 98 Resp: 557693
Ion Ratio Lower Upper
98 100
100 65.5 53.4 80.2



#62
4-Bromofluorobenzene
Concen: 50.351 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX017385.D
Acq: 16 Jul 2020 12:12

Tgt Ion: 95 Resp: 215884
Ion Ratio Lower Upper
95 100
174 82.7 0.0 175.8
176 78.5 0.0 164.6

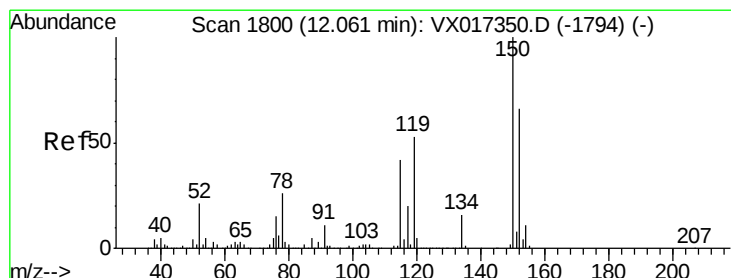
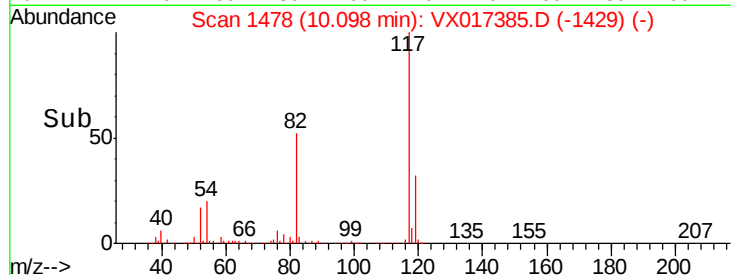
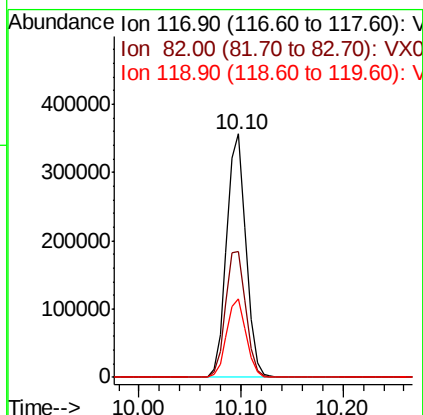
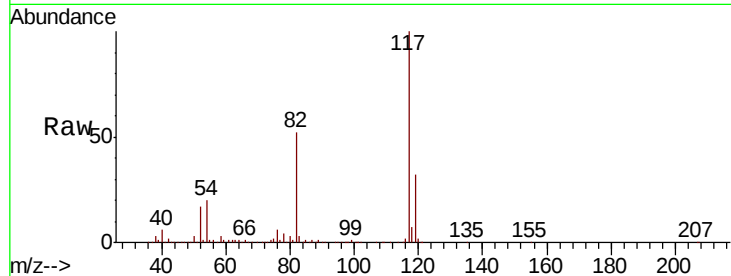




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017385.D
Acq: 16 Jul 2020 12:12

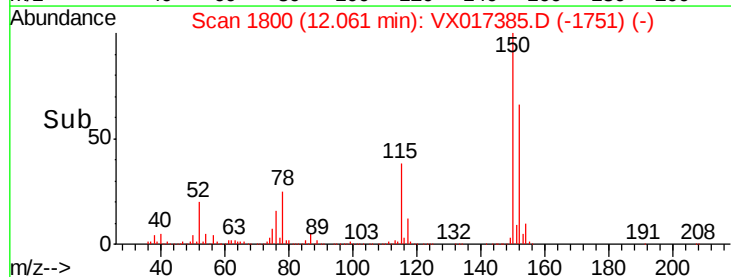
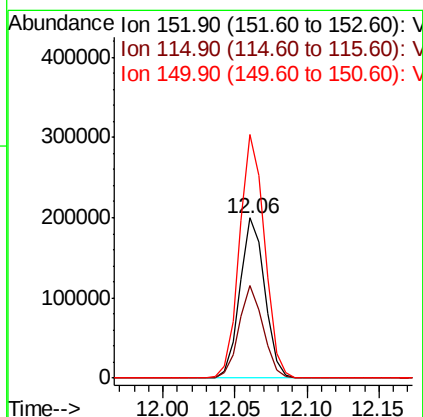
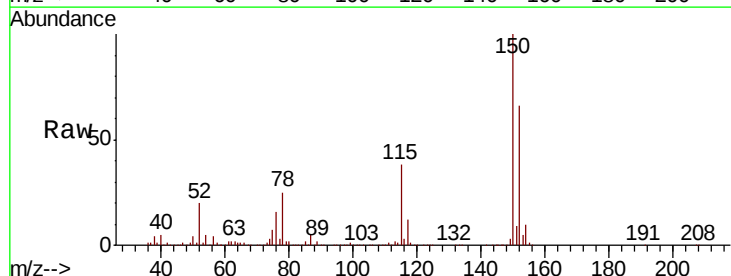
Instrument :
MSVOA_X
ClientSampleId :
VX0716WBL01

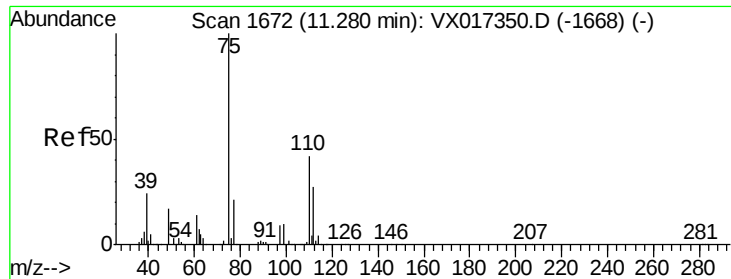
Tot Ion:117 Resp: 465661
Ion Ratio Lower Upper
117 100
82 51.6 42.0 63.0
119 32.3 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX017385.D
Acq: 16 Jul 2020 12:12

Tgt Ion:152 Resp: 239934
Ion Ratio Lower Upper
152 100
115 56.0 39.9 119.7
150 153.5 0.0 343.4





#76

1,2,3-Trichloropropane

Concen: 24.138 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017385.D

Acq: 16 Jul 2020 12:12

Instrument :

MSVOA_X

ClientSampleId :

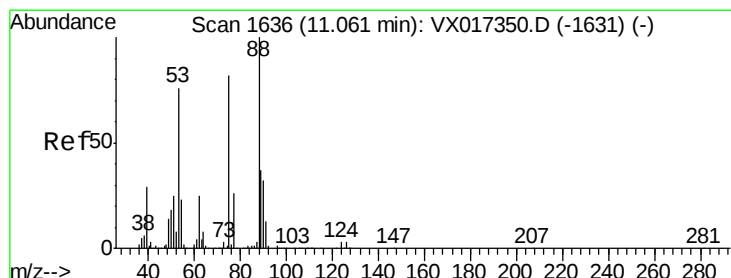
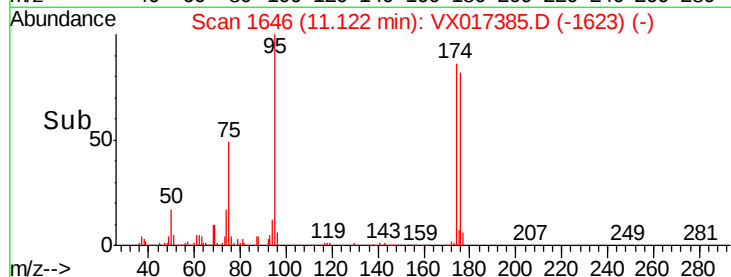
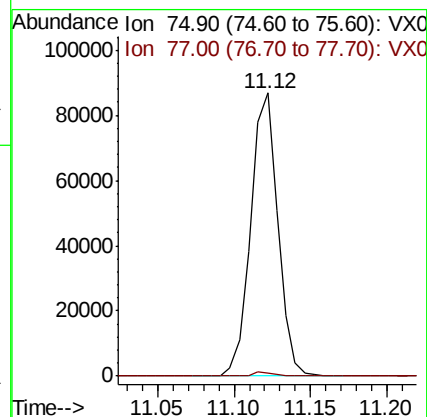
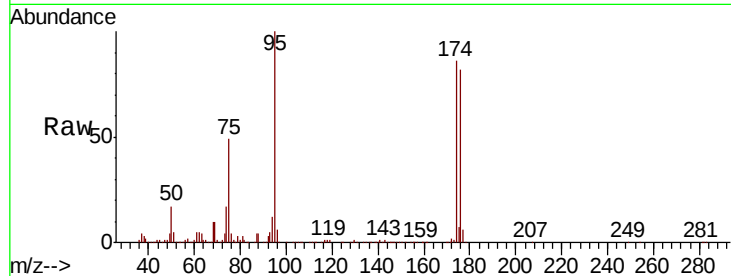
VX0716WBL01

Tot Ion: 75 Resp: 107019

Ion Ratio Lower Upper

75 100

77 1.5 20.3 60.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 61.233 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX017385.D

Acq: 16 Jul 2020 12:12

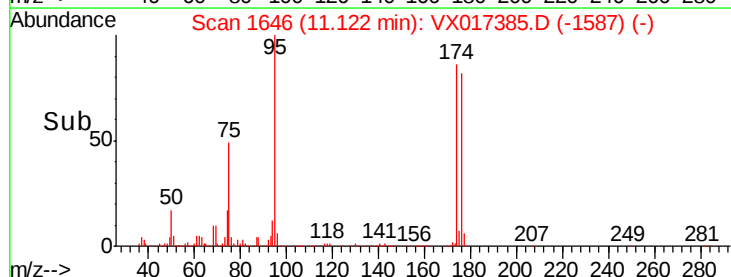
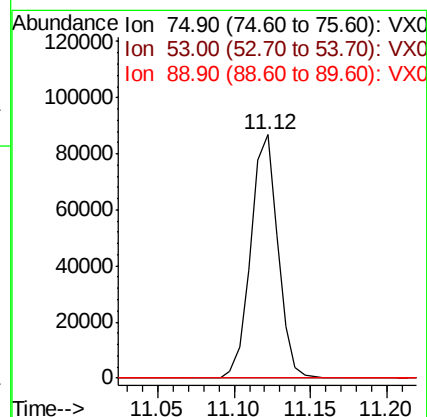
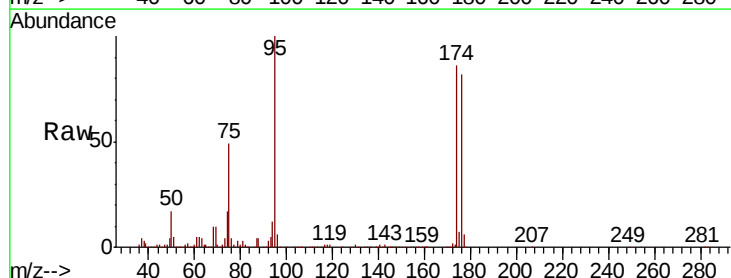
Tgt Ion: 75 Resp: 107019

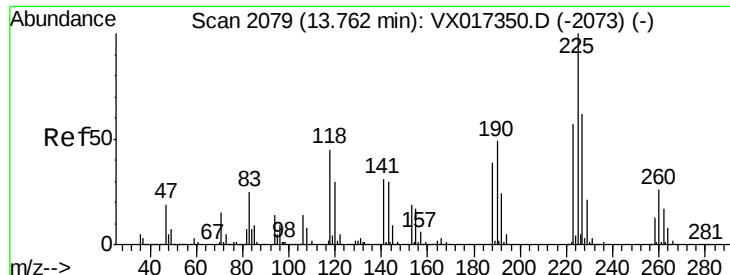
Ion Ratio Lower Upper

75 100

53 0.4 76.5 114.7#

89 0.0 38.1 57.1#





#94

Hexachlorobutadiene

Concen: 0.324 ug/l

RT: 13.76 min Scan# 2079

Delta R.T. -0.00 min

Lab File: VX017385.D

Acq: 16 Jul 2020 12:12

Instrument :

MSVOA_X

ClientSampleId :

VX0716WBL01

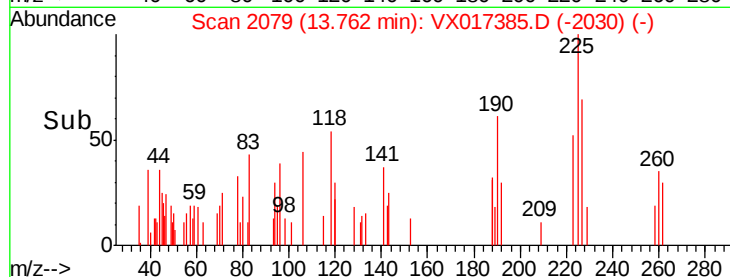
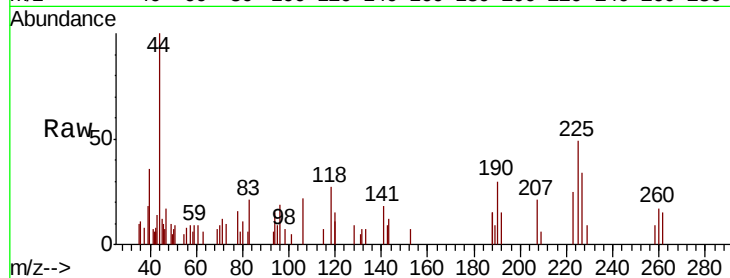
Tot Ion:225 Resp: 660

Ion Ratio Lower Upper

225 100

223 58.0 31.3 93.8

227 59.2 31.6 95.0



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

