

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX050720\
 Data File : VX016102.D
 Acq On : 07 May 2020 18:20
 Operator : JC/SP
 Sample : L2532-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW715-200506

Quant Time: May 08 02:06:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 06:43:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	280104	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	459843	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	452848	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	232989	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	170525	46.26	ug/l	0.00
Spiked Amount			Recovery	=	92.52%	
35) Dibromofluoromethane	5.47	113	133032	45.66	ug/l	0.00
Spiked Amount			Recovery	=	91.32%	
50) Toluene-d8	8.70	98	557318	49.65	ug/l	0.00
Spiked Amount			Recovery	=	99.30%	
62) 4-Bromofluorobenzene	11.12	95	229081	53.66	ug/l	0.00
Spiked Amount			Recovery	=	107.32%	

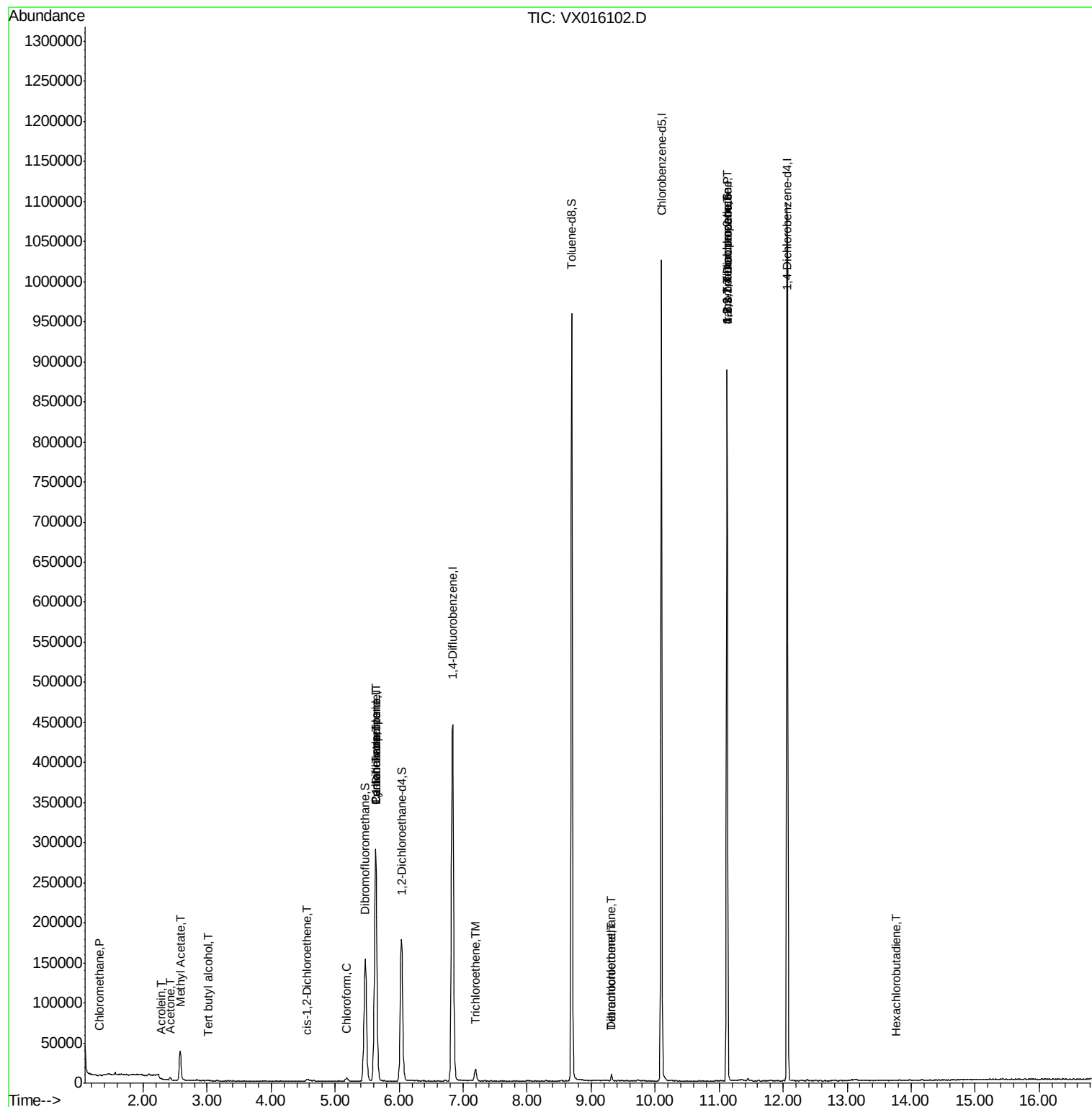
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	790	0.229	ug/l	91
11) Tert butyl alcohol	3.03	59	342	0.367	ug/l #	72
13) Acrolein	2.29	56	300	0.514	ug/l #	14
16) Acetone	2.42	43	3350	2.037	ug/l	95
17) Carbon Disulfide	2.55	76	1294	Below Cal	#	70
18) Methyl Acetate	2.58	43	9402	2.325	ug/l #	50
27) cis-1,2-Dichloroethene	4.56	96	1562	0.440	ug/l	87
30) Chloroform	5.18	83	3882	0.692	ug/l	91
31) Cyclohexane	5.63	56	5622	1.098	ug/l #	2
36) 1,1-Dichloropropene	5.63	75	21047	4.650	ug/l #	49
38) Carbon Tetrachloride	5.63	117	26933	5.854	ug/l #	14
44) Trichloroethene	7.19	130	5377	1.143	ug/l	90
60) Dibromochloromethane	9.32	129	1354	0.379	ug/l #	11
64) Tetrachloroethene	9.32	164	1374	0.247	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.13	83	191	2.109	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	116097	21.959	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	116097	52.329	ug/l #	13
94) Hexachlorobutadiene	13.77	225	19	0.531	ug/l #	18

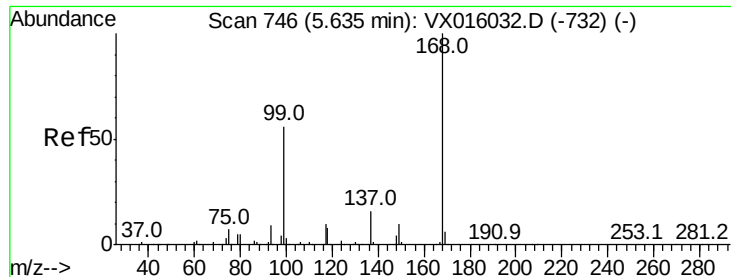
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX016102.D

Acq: 07 May 2020 18:20

Instrument :

MSVOA_X

ClientSampleId :

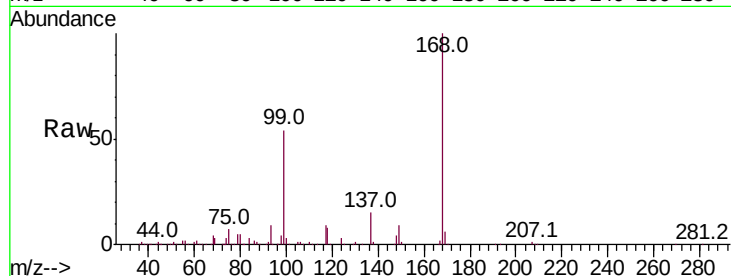
SS052MW715-200506

Tot Ion:168 Resp: 280104

Ion Ratio Lower Upper

168 100

99 53.5 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

120000

100000

80000

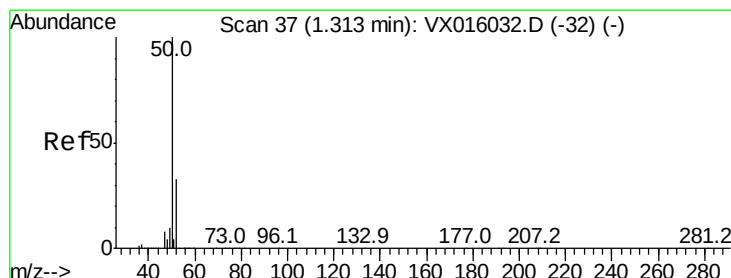
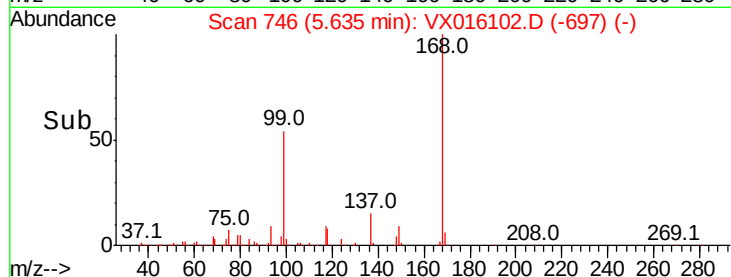
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.229 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016102.D

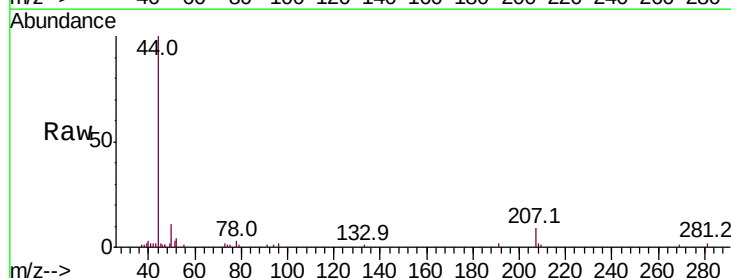
Acq: 07 May 2020 18:20

Tgt Ion: 50 Resp: 790

Ion Ratio Lower Upper

50 100

52 37.7 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

800

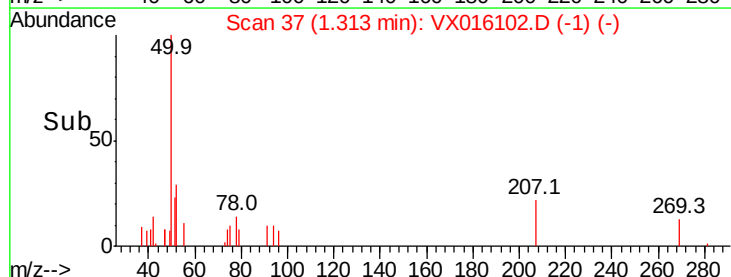
600

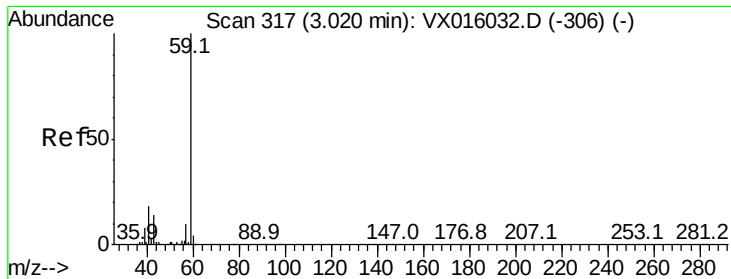
400

200

0

Time-->



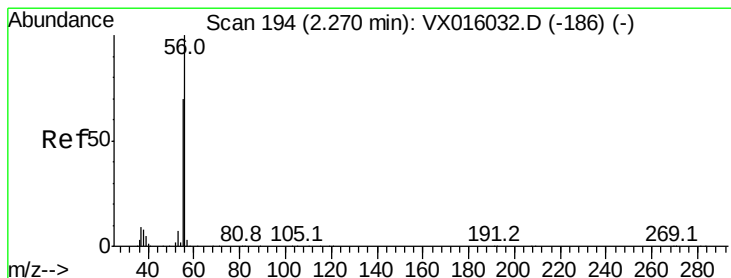
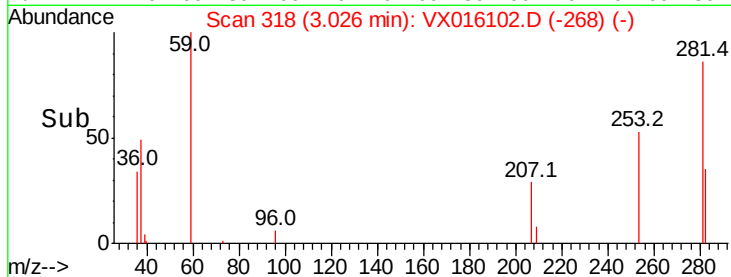
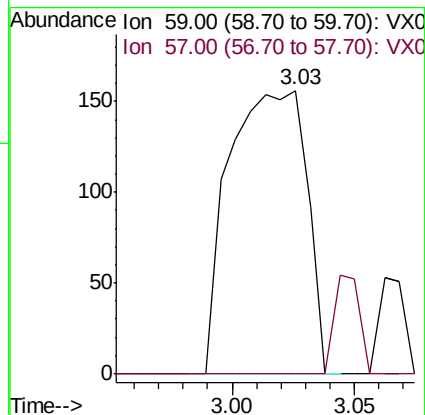
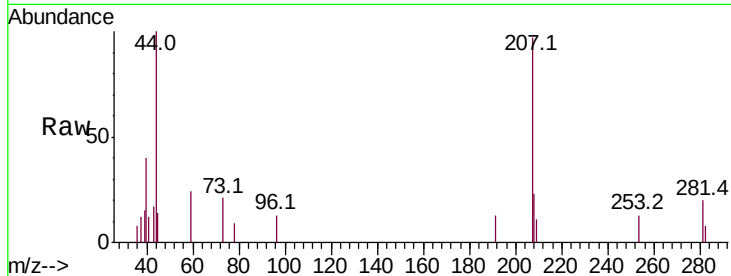


#11

Tert butyl alcohol
 Concen: 0.367 ug/l
 RT: 3.03 min Scan# 318
 Delta R.T. 0.01 min
 Lab File: VX016102.D
 Acq: 07 May 2020 18:20

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW715-200506

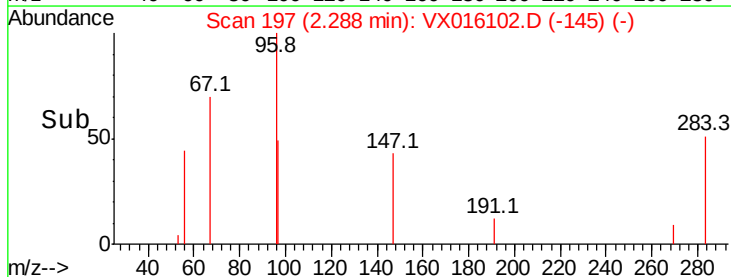
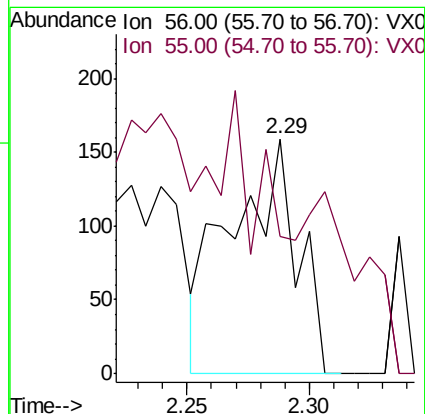
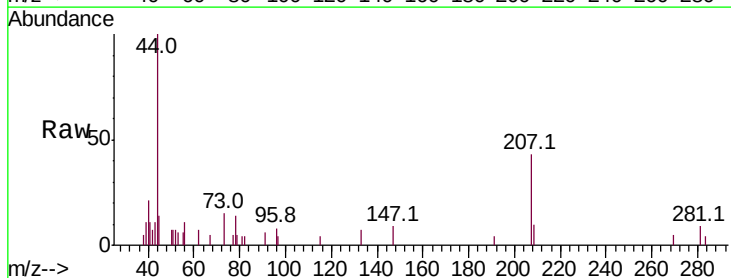
Tot Ion: 59 Resp: 342
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4#

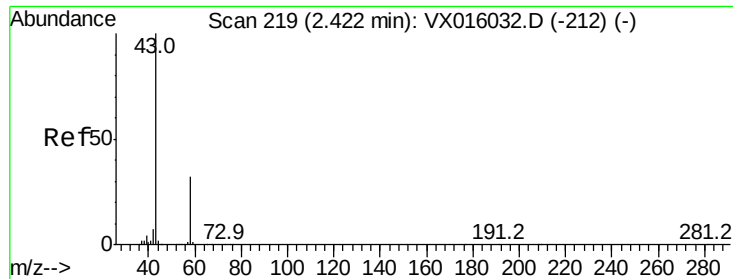


#13

Acrolein
 Concen: 0.514 ug/l
 RT: 2.29 min Scan# 197
 Delta R.T. 0.02 min
 Lab File: VX016102.D
 Acq: 07 May 2020 18:20

Tgt Ion: 56 Resp: 300
 Ion Ratio Lower Upper
 56 100
 55 0.0 56.5 84.7#





#16

Acetone

Concen: 2.037 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX016102.D

Acq: 07 May 2020 18:20

Instrument :

MSVOA_X

ClientSampleId :

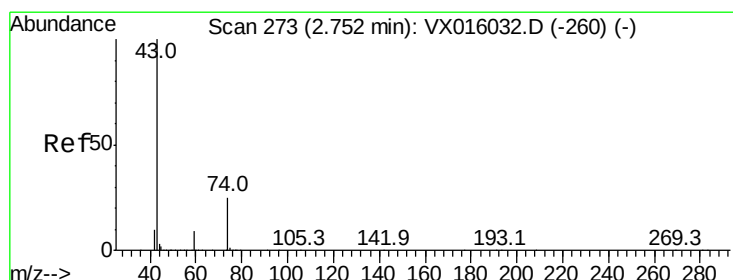
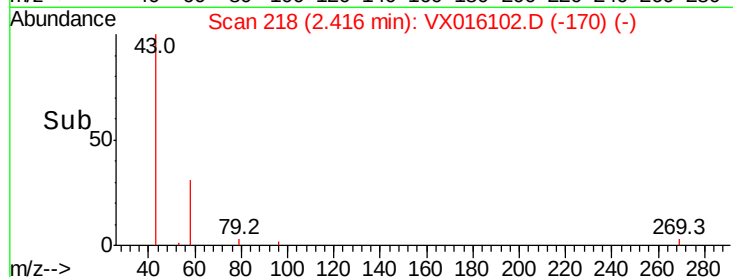
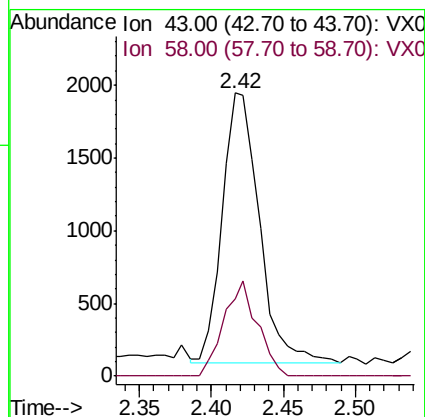
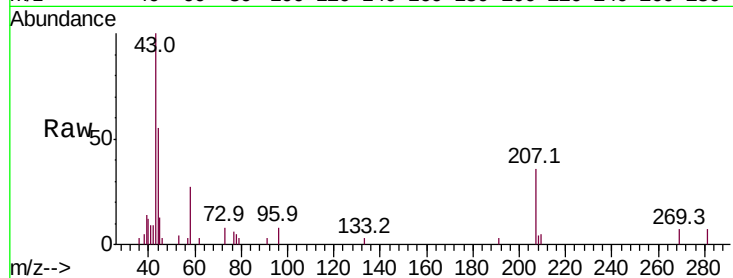
SS052MW715-200506

Tot Ion: 43 Resp: 3350

Ion Ratio Lower Upper

43 100

58 28.7 25.4 38.0



#18

Methyl Acetate

Concen: 2.325 ug/l

RT: 2.58 min Scan# 245

Delta R.T. -0.17 min

Lab File: VX016102.D

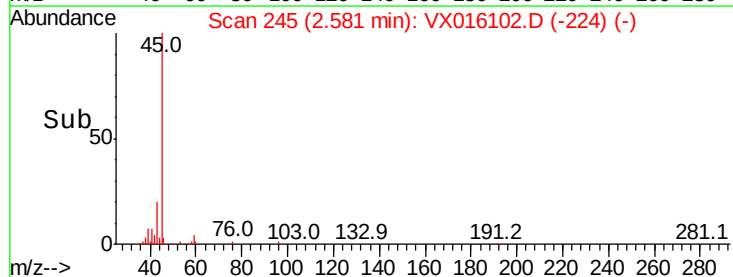
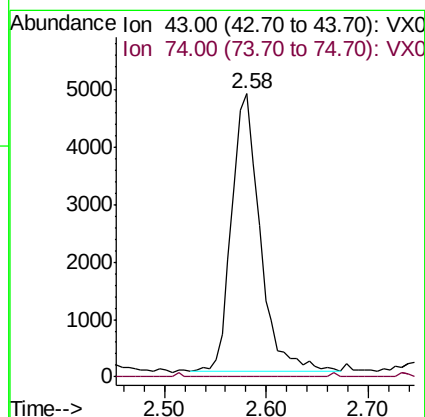
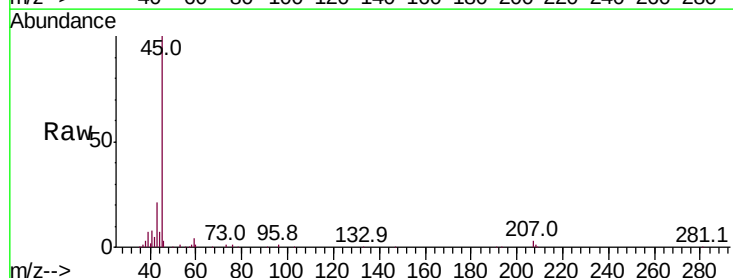
Acq: 07 May 2020 18:20

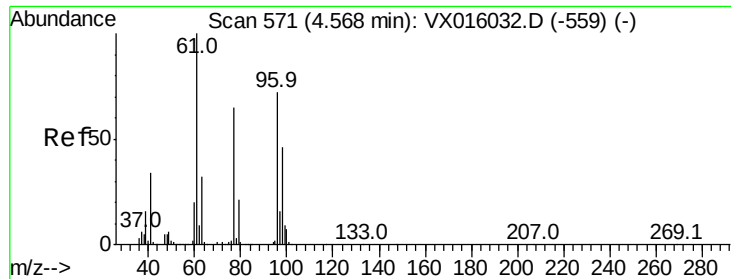
Tgt Ion: 43 Resp: 9402

Ion Ratio Lower Upper

43 100

74 0.0 20.2 30.2#



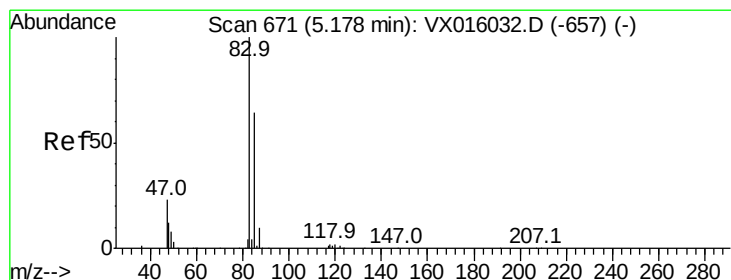
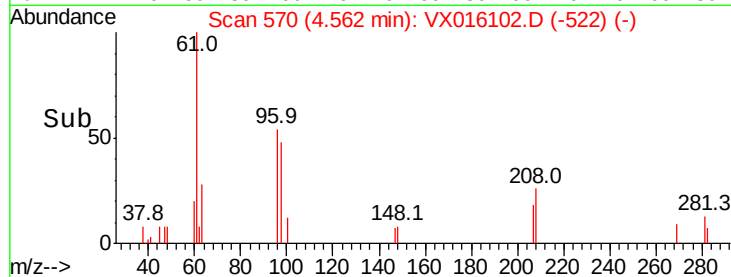
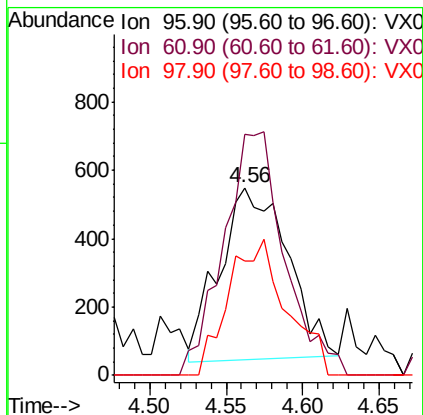
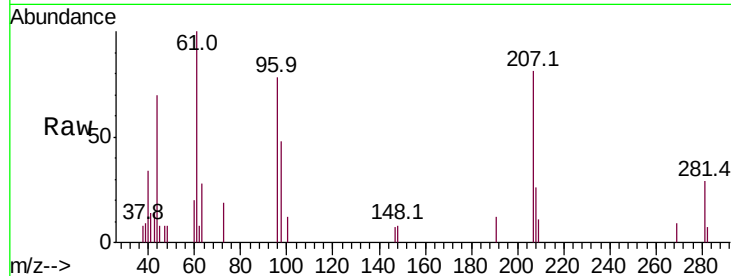


#27

cis-1,2-Dichloroethene
Concen: 0.440 ug/l
RT: 4.56 min Scan# 570
Delta R.T. -0.01 min
Lab File: VX016102.D
Acq: 07 May 2020 18:20

Instrument :
MSVOA_X
ClientSampleId :
SS052MW715-200506

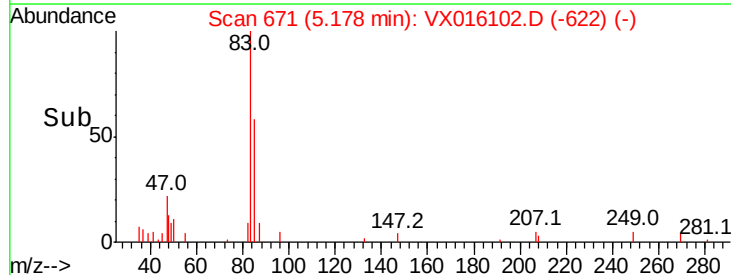
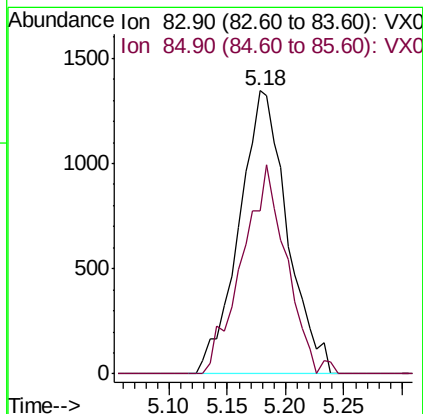
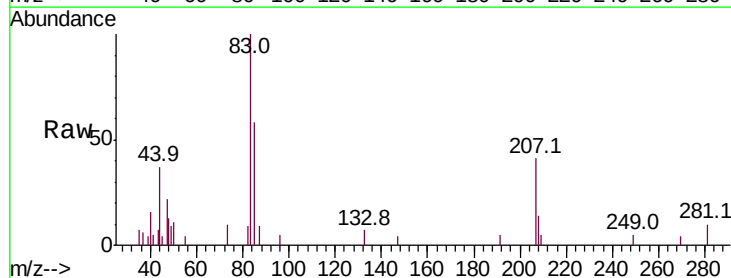
Tot Ion: 96 Resp: 1562
Ion Ratio Lower Upper
96 100
61 126.7 0.0 296.2
98 67.3 0.0 129.4

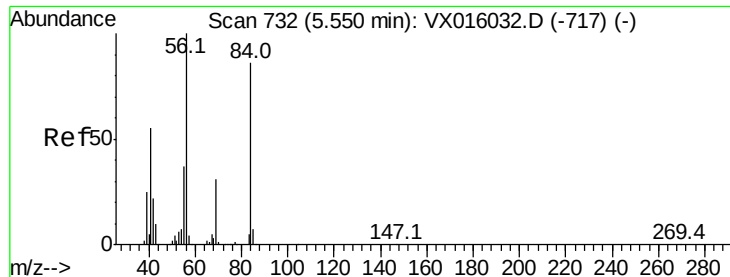


#30

Chloroform
Concen: 0.692 ug/l
RT: 5.18 min Scan# 671
Delta R.T. -0.00 min
Lab File: VX016102.D
Acq: 07 May 2020 18:20

Tgt Ion: 83 Resp: 3882
Ion Ratio Lower Upper
83 100
85 57.5 51.6 77.4





#31

Cyclohexane

Concen: 1.098 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.08 min

Lab File: VX016102.D

Acq: 07 May 2020 18:20

Instrument :

MSVOA_X

ClientSampleId :

SS052MW715-200506

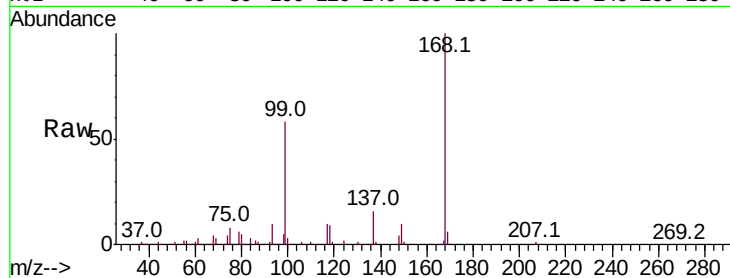
Tot Ion: 56 Resp: 5622

Ion Ratio Lower Upper

56 100

69 159.2 25.0 37.6#

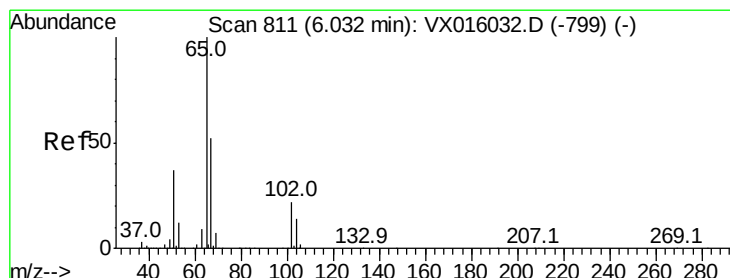
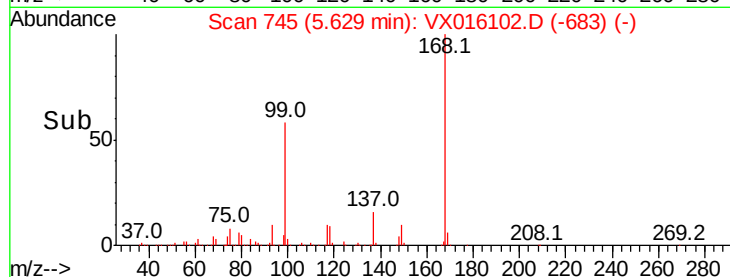
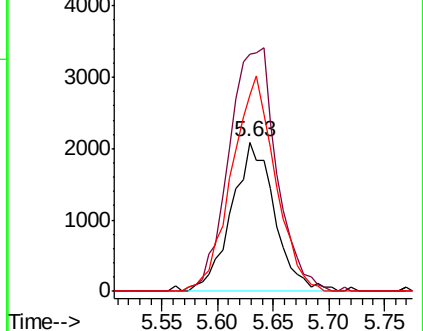
84 131.4 69.0 103.6#



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: 46.264 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX016102.D

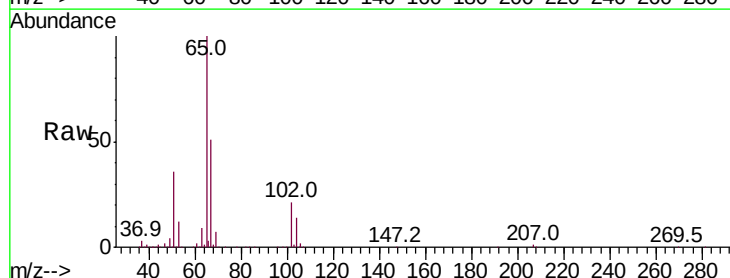
Acq: 07 May 2020 18:20

Tgt Ion: 65 Resp: 170525

Ion Ratio Lower Upper

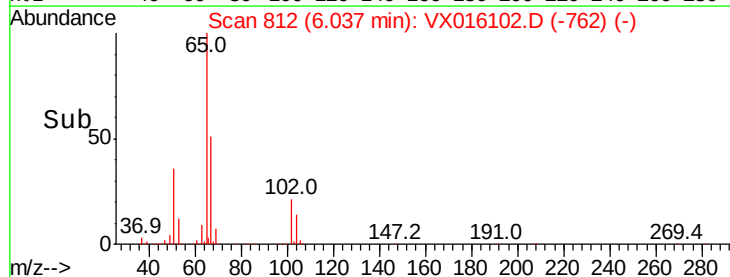
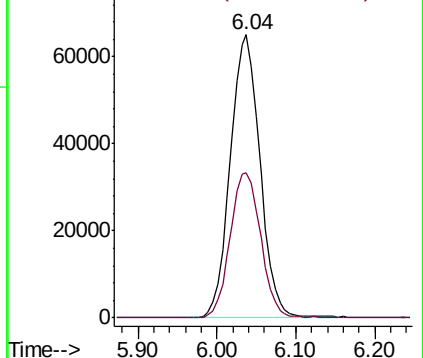
65 100

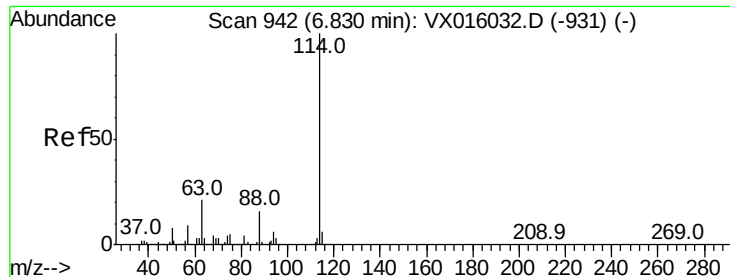
67 52.7 0.0 104.8



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: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016102.D

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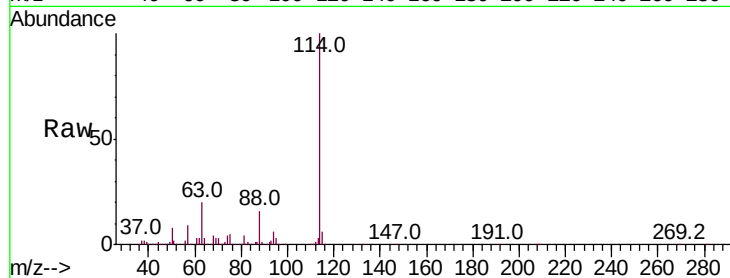
Tot Ion:114 Resp: 459843

Ion Ratio Lower Upper

114 100

63 19.7 0.0 42.8

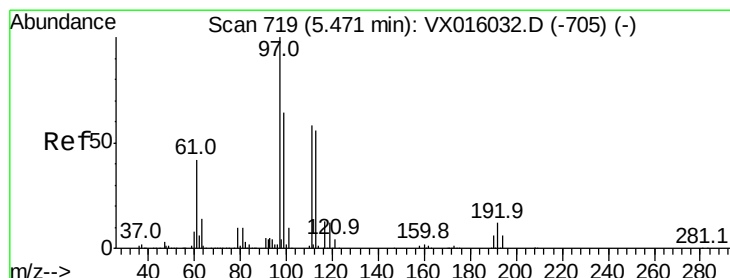
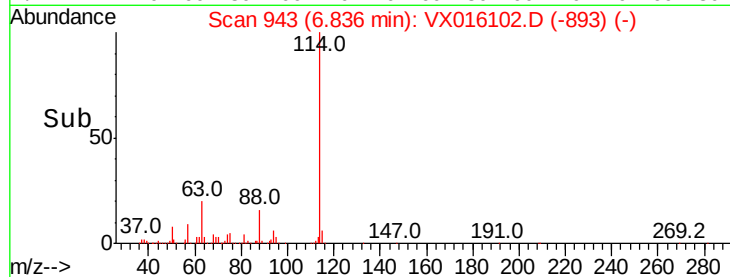
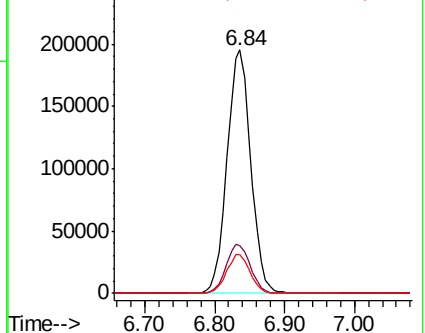
88 16.0 0.0 31.4



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: 45.664 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX016102.D

Acq: 07 May 2020 18:20

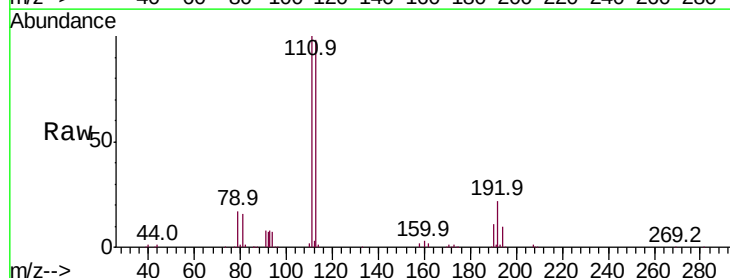
Tgt Ion:113 Resp: 133032

Ion Ratio Lower Upper

113 100

111 103.0 81.6 122.4

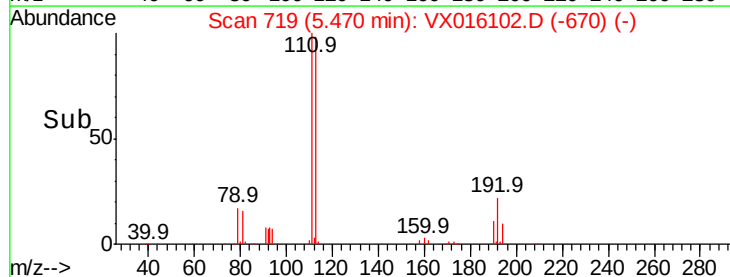
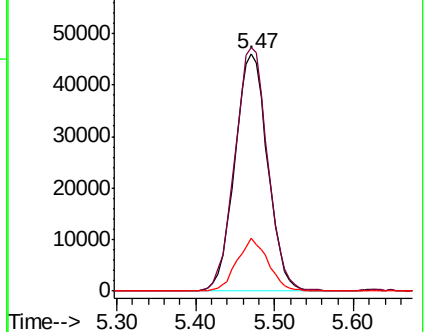
192 21.1 17.0 25.4

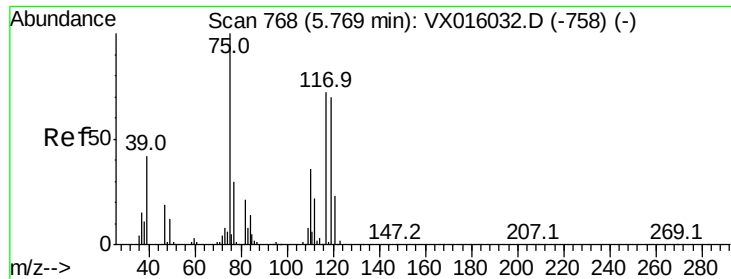


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.650 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX016102.D

Acq: 07 May 2020 18:20

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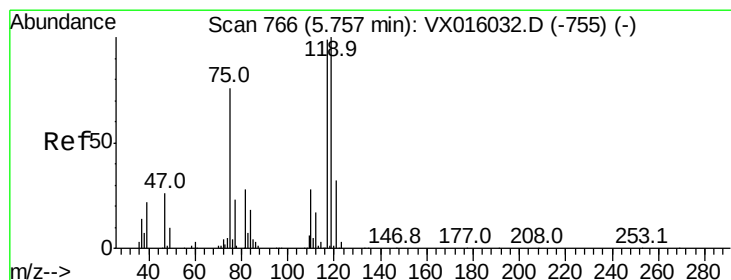
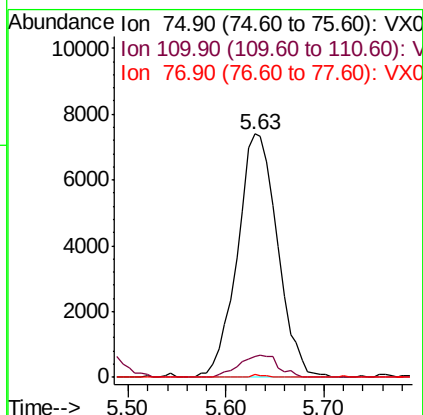
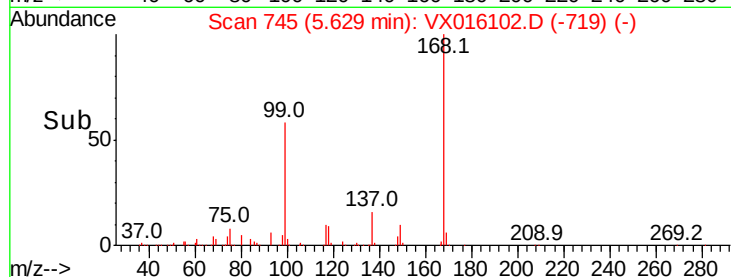
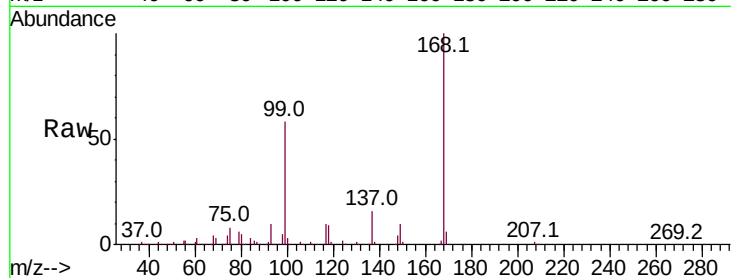
Tot Ion: 75 Resp: 21047

Ion Ratio Lower Upper

75 100

110 9.0 18.1 54.1#

77 0.4 25.0 37.6#



#38

Carbon Tetrachloride

Concen: 5.854 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016102.D

Acq: 07 May 2020 18:20

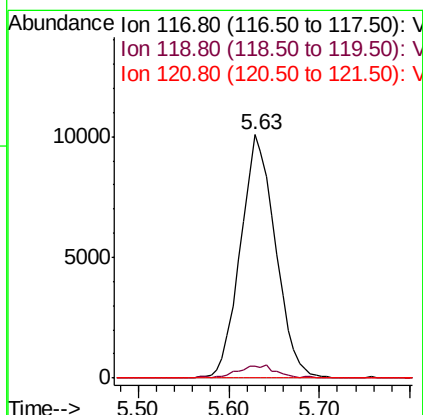
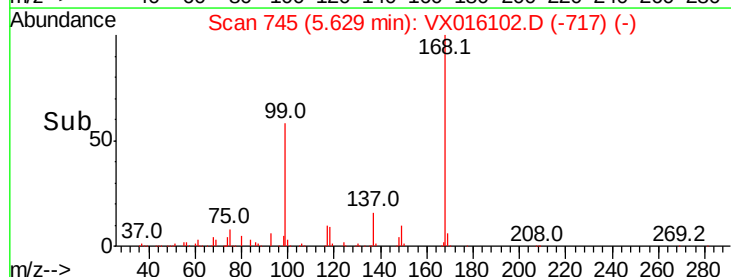
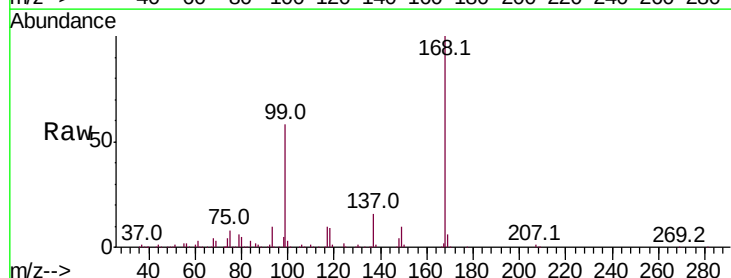
Tgt Ion: 117 Resp: 26933

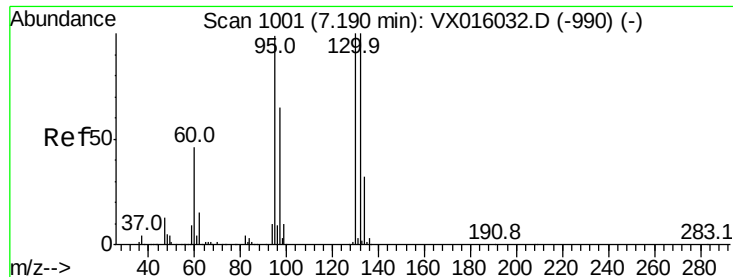
Ion Ratio Lower Upper

117 100

119 5.1 80.3 120.5#

121 0.0 25.7 38.5#





#44

Trichloroethene

Concen: 1.143 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX016102.D

Acq: 07 May 2020 18:20

Instrument :

MSVOA_X

ClientSampleId :

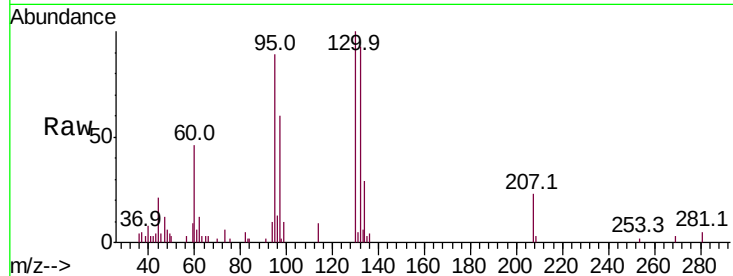
SS052MW715-200506

Tot Ion:130 Resp: 5377

Ion Ratio Lower Upper

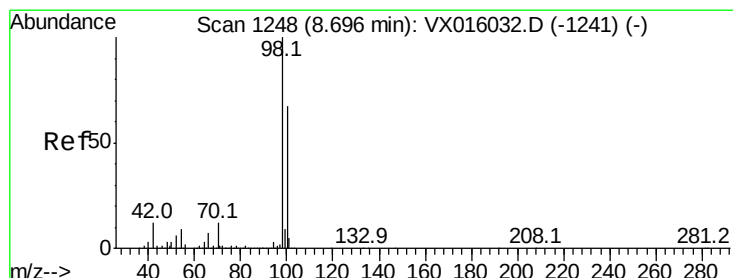
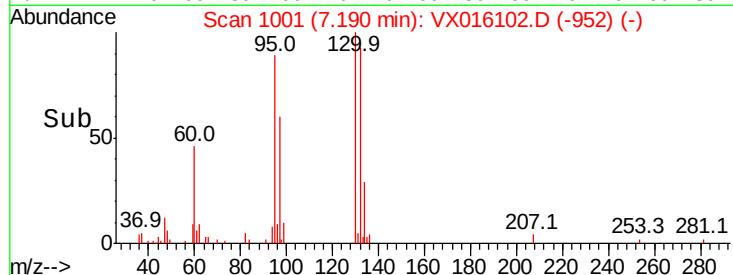
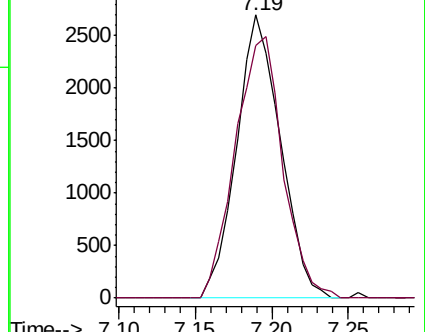
130 100

95 89.1 0.0 197.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 49.649 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016102.D

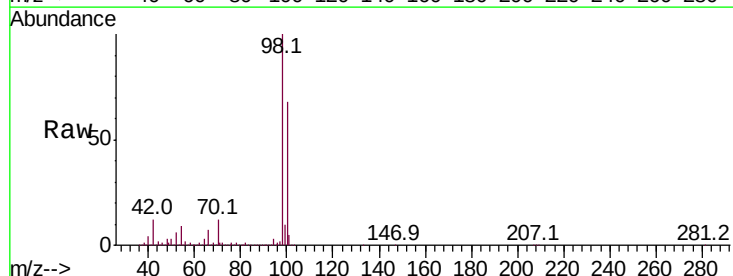
Acq: 07 May 2020 18:20

Tgt Ion: 98 Resp: 557318

Ion Ratio Lower Upper

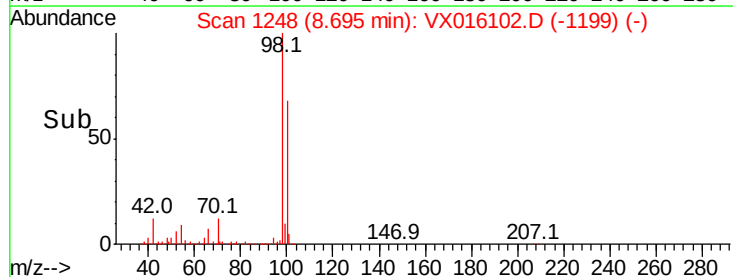
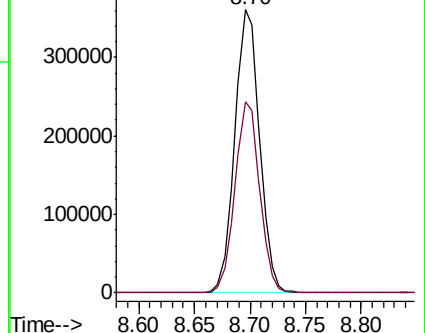
98 100

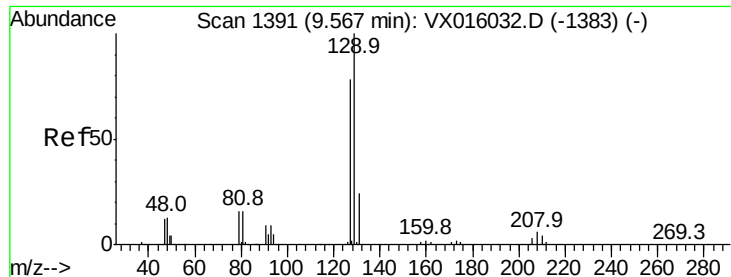
100 67.1 53.7 80.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#60

Dibromochloromethane

Concen: 0.379 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.25 min

Lab File: VX016102.D

Acq: 07 May 2020 18:20

Instrument :

MSVOA_X

ClientSampleId :

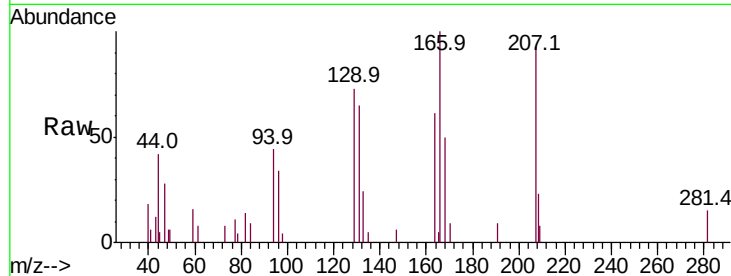
SS052MW715-200506

Tot Ion:129 Resp: 1354

Ion Ratio Lower Upper

129 100

127 0.0 38.4 115.2#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.32

1000

800

600

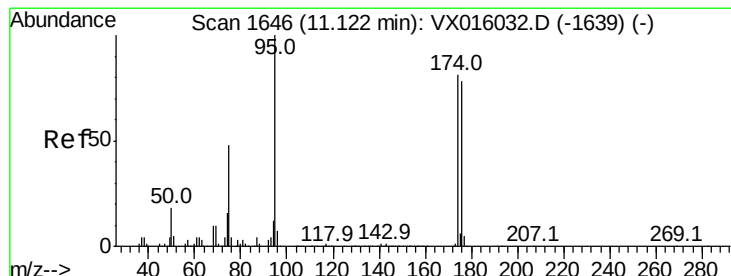
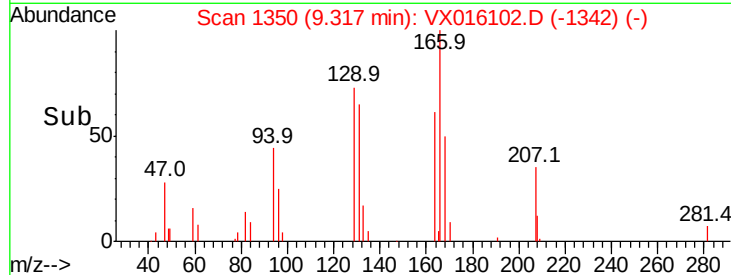
400

200

0

9.30 9.35

Time-->



#62

4-Bromofluorobenzene

Concen: 53.655 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016102.D

Acq: 07 May 2020 18:20

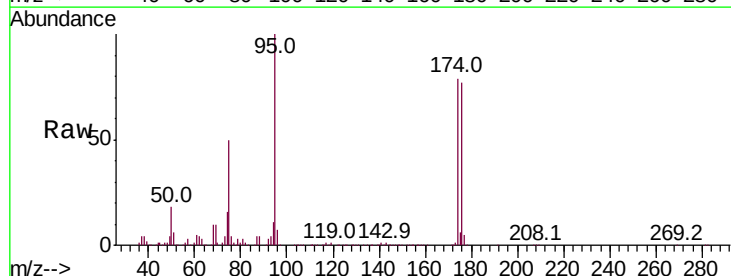
Tgt Ion: 95 Resp: 229081

Ion Ratio Lower Upper

95 100

174 80.9 0.0 159.4

176 77.8 0.0 157.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

150000

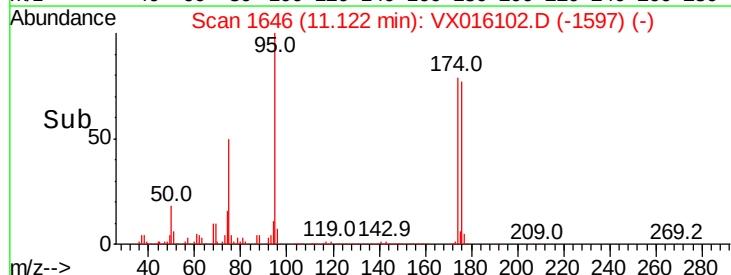
100000

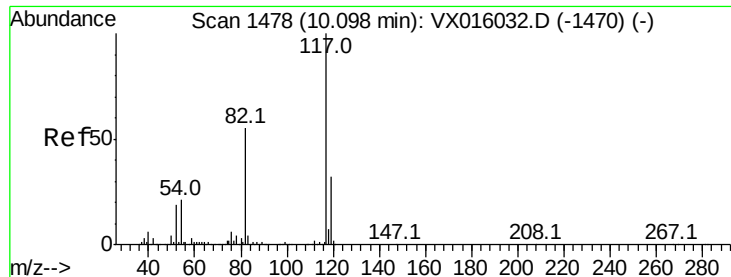
50000

0

11.10 11.20

Time-->

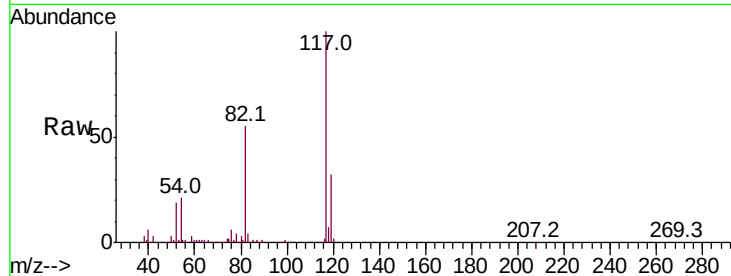




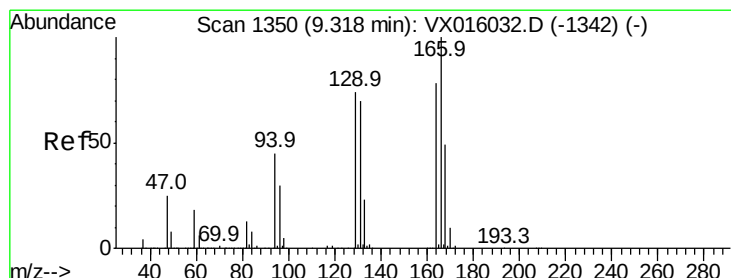
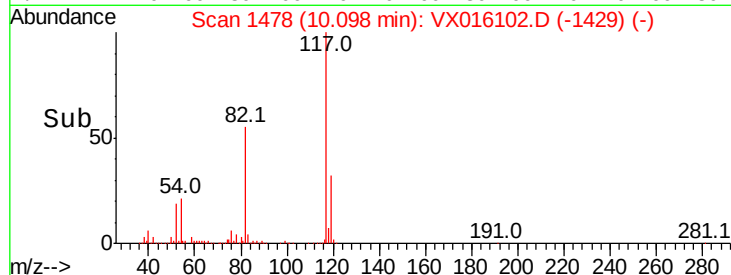
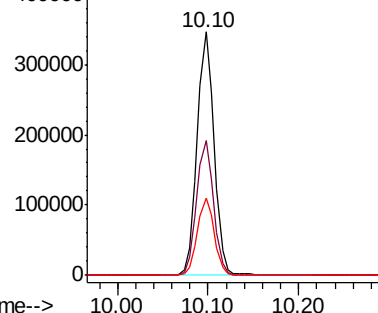
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016102.D
Acq: 07 May 2020 18:20

Instrument :
MSVOA_X
ClientSampleId :
SS052MW715-200506

Tot Ion:117 Resp: 452848
Ion Ratio Lower Upper
117 100
82 55.3 44.4 66.6
119 31.5 25.5 38.3

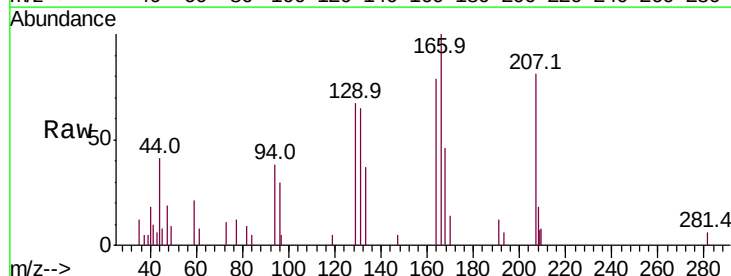


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

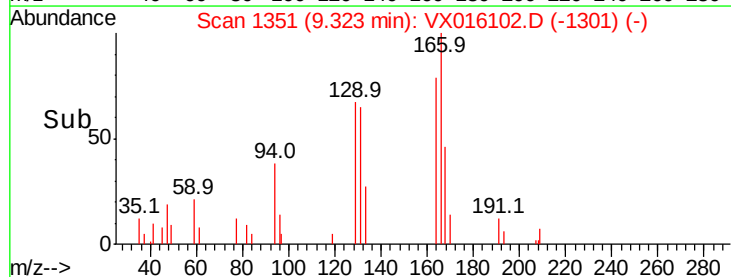
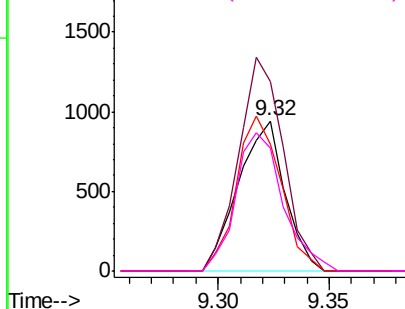


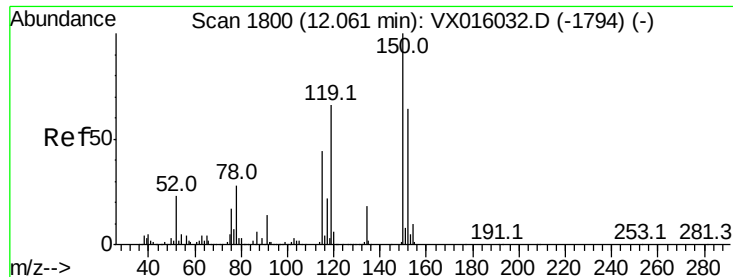
#64
Tetrachloroethene
Concen: 0.247 ug/l
RT: 9.32 min Scan# 1351
Delta R.T. 0.01 min
Lab File: VX016102.D
Acq: 07 May 2020 18:20

Tgt Ion:164 Resp: 1374
Ion Ratio Lower Upper
164 100
166 126.1 102.9 154.3
129 84.3 76.1 114.1
131 82.3 71.9 107.9



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1801

Delta R.T. 0.01 min

Lab File: VX016102.D

Acq: 07 May 2020 18:20

Instrument :

MSVOA_X

ClientSampleId :

SS052MW715-200506

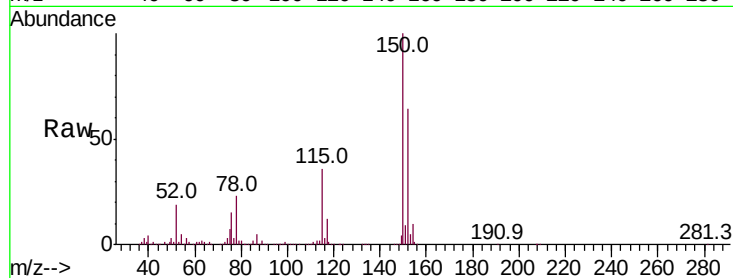
Tot Ion:152 Resp: 232989

Ion Ratio Lower Upper

152 100

115 58.9 41.3 124.1

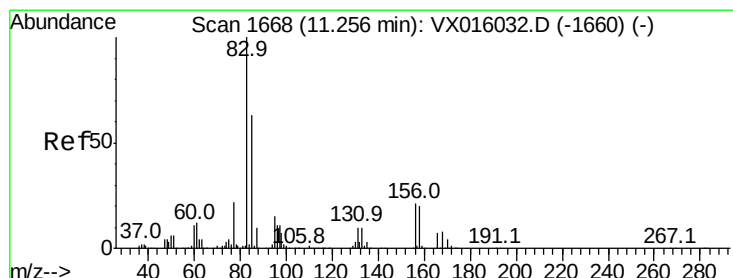
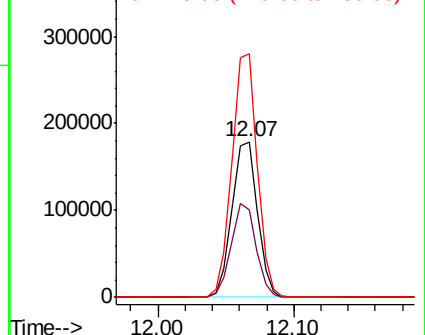
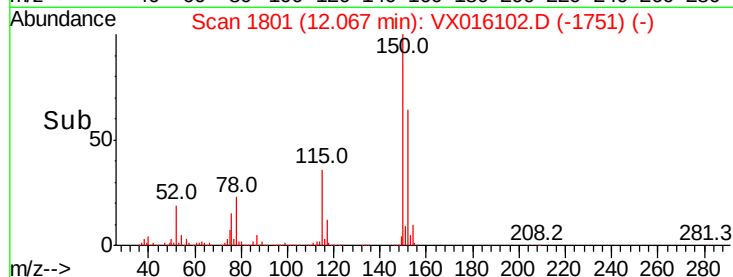
150 156.0 0.0 352.2



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



#75

1,1,2,2-Tetrachloroethane

Concen: 2.109 ug/l

RT: 11.13 min Scan# 1647

Delta R.T. -0.13 min

Lab File: VX016102.D

Acq: 07 May 2020 18:20

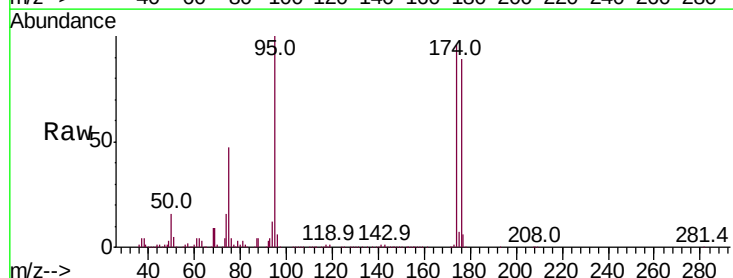
Tgt Ion: 83 Resp: 191

Ion Ratio Lower Upper

83 100

131 189.0 5.1 15.4#

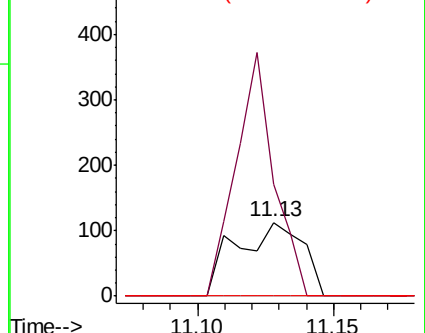
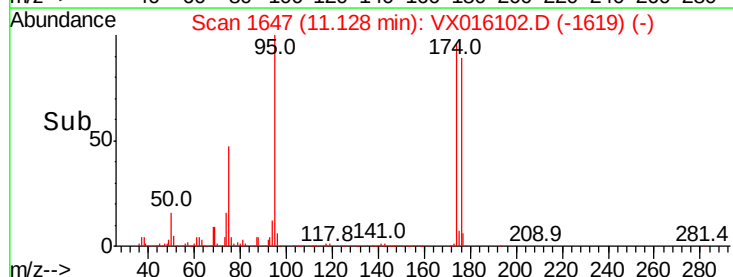
85 0.0 32.0 96.0#

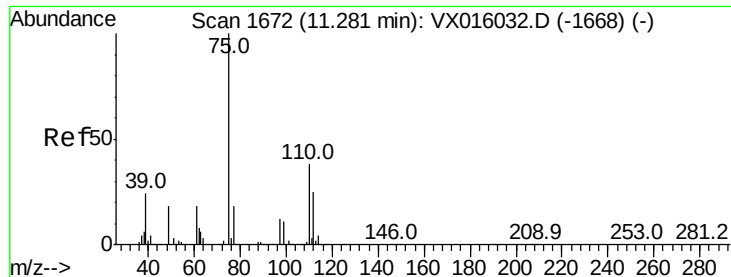


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 21.959 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016102.D

Acq: 07 May 2020 18:20

Instrument :

MSVOA_X

ClientSampleId :

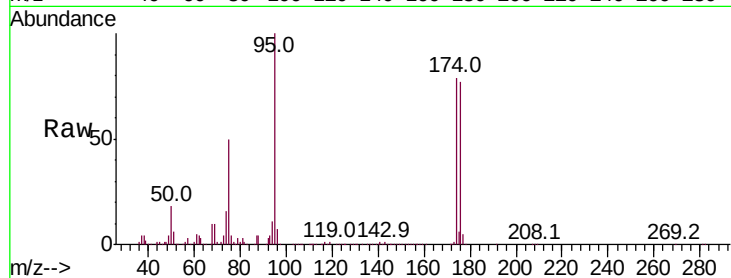
SS052MW715-200506

Tot Ion: 75 Resp: 116097

Ion Ratio Lower Upper

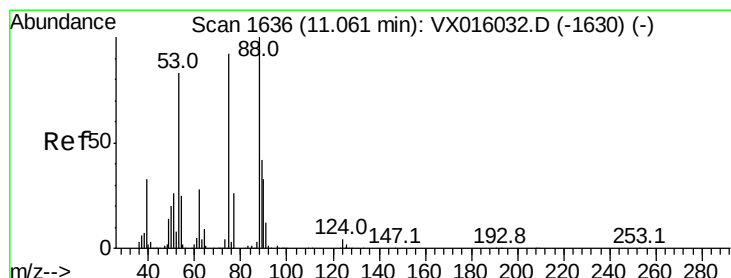
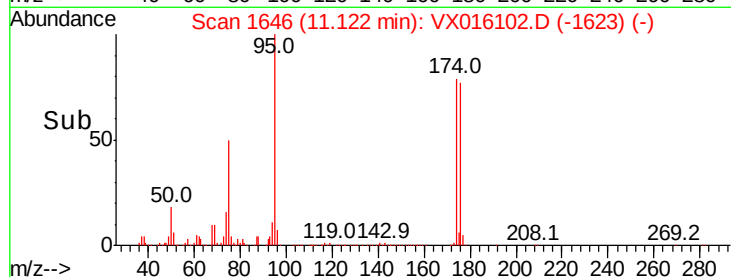
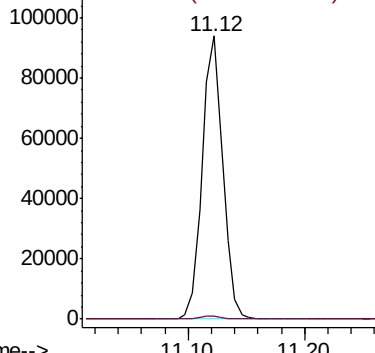
75 100

77 1.4 21.2 63.6#



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: 52.329 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016102.D

Acq: 07 May 2020 18:20

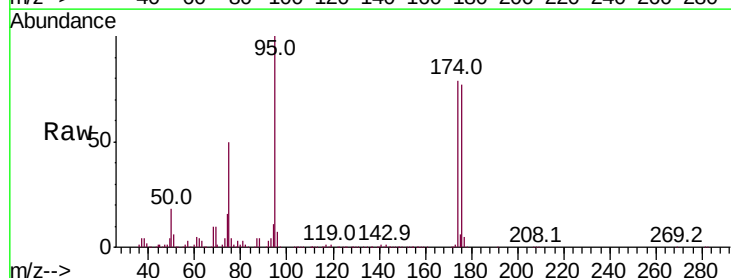
Tgt Ion: 75 Resp: 116097

Ion Ratio Lower Upper

75 100

53 0.0 73.1 109.7#

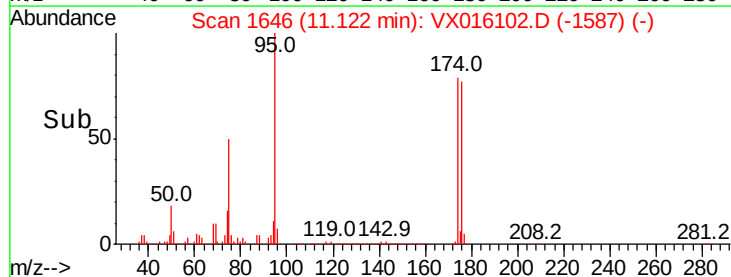
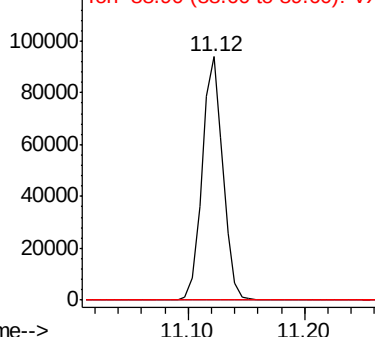
89 0.0 36.7 55.1#

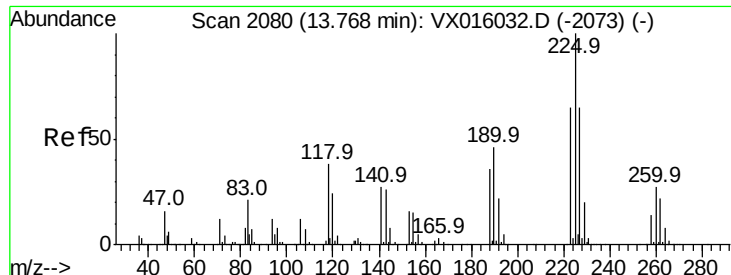


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#94

Hexachlorobutadiene

Concen: 0.531 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX016102.D

Acq: 07 May 2020 18:20

Instrument :

MSVOA_X

ClientSampleId :

SS052MW715-200506

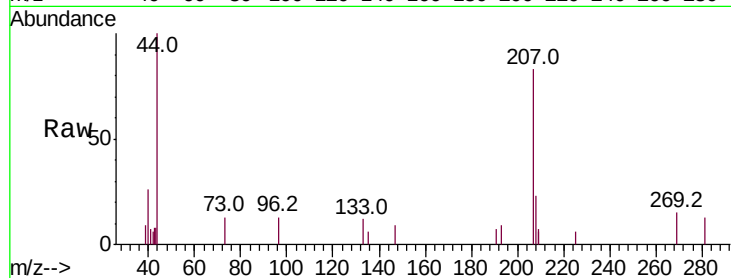
Tot Ion:225 Resp: 19

Ion Ratio Lower Upper

225 100

223 0.0 32.3 96.9#

227 0.0 31.8 95.4#



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

