

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051120\
 Data File : VX016143.D
 Acq On : 11 May 2020 13:03
 Operator : JC/SP
 Sample : L2552-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW352-200507

Quant Time: May 11 18:33:02 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	5.63	168	301121	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	492921	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	480446	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	245212	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	182670	46.10	ug/l	0.00
Spiked Amount			Recovery	=	92.20%	
35) Dibromofluoromethane	5.47	113	145309	46.53	ug/l	0.00
Spiked Amount			Recovery	=	93.06%	
50) Toluene-d8	8.70	98	610572	50.74	ug/l	0.00
Spiked Amount			Recovery	=	101.48%	
62) 4-Bromofluorobenzene	11.12	95	245102	53.56	ug/l	0.00
Spiked Amount			Recovery	=	107.12%	

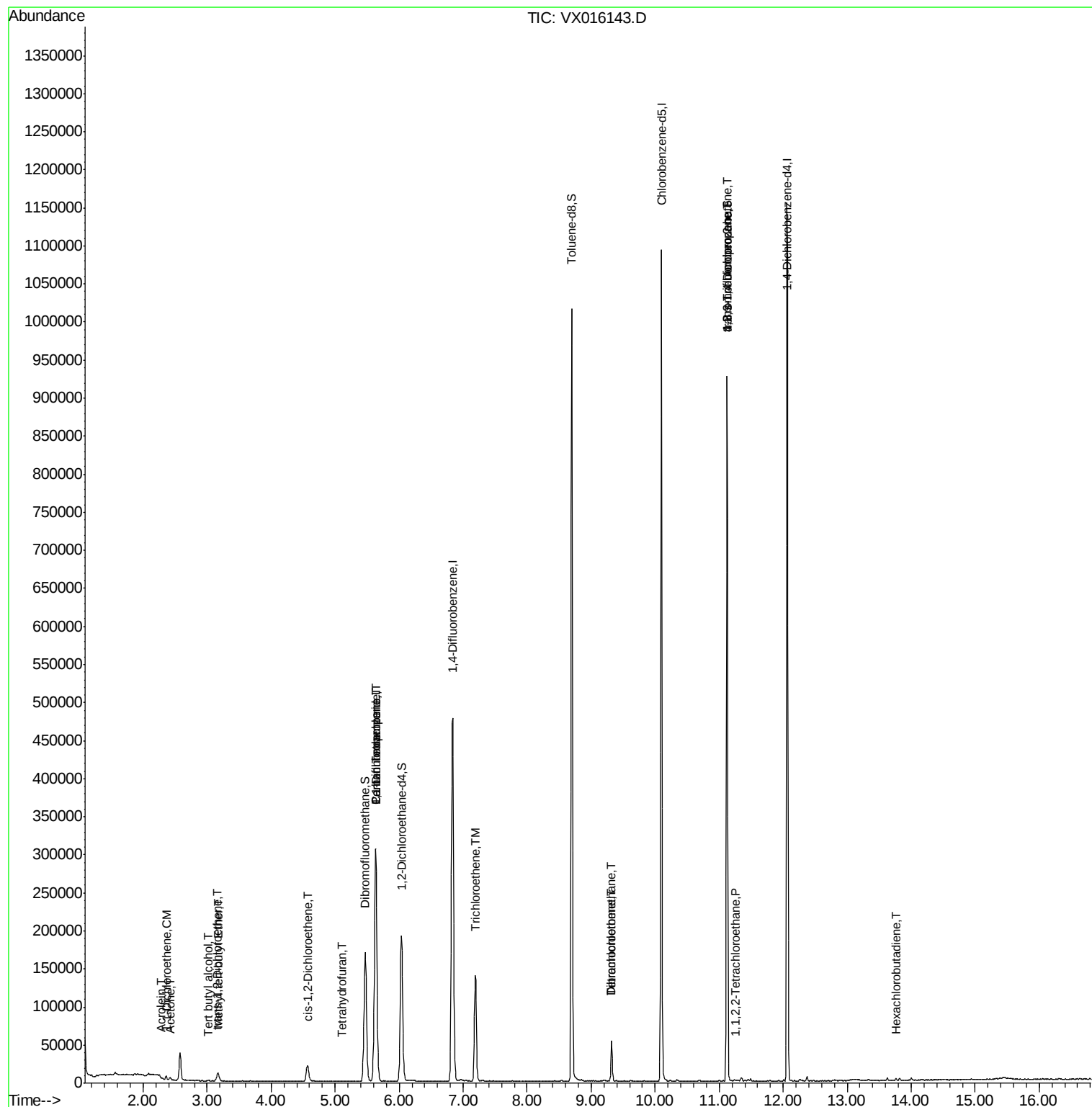
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.02	59	544	0.543	ug/l #	72
12) 1,1-Dichloroethene	2.36	96	1456	0.465	ug/l	98
13) Acrolein	2.28	56	521	0.831	ug/l #	14
16) Acetone	2.42	43	2714	1.535	ug/l #	85
19) Methyl tert-butyl Ether	3.17	73	11317	1.049	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	1176	0.337	ug/l #	90
27) cis-1,2-Dichloroethene	4.57	96	13832	3.627	ug/l	85
29) Tetrahydrofuran	5.11	42	519	0.275	ug/l #	38
36) 1,1-Dichloropropene	5.63	75	22525	4.642	ug/l #	49
38) Carbon Tetrachloride	5.63	117	29014	5.883	ug/l #	14
44) Trichloroethene	7.19	130	54537	10.813	ug/l	97
60) Dibromochloromethane	9.32	129	9591	2.501	ug/l #	11
64) Tetrachloroethene	9.32	164	10205	1.730	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.26	83	38	2.060	ug/l #	26
76) 1,2,3-Trichloropropane	11.12	75	119556	21.486	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	119556	51.202	ug/l #	13
94) Hexachlorobutadiene	13.77	225	326	0.651	ug/l	94

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX016143.D

Acq: 11 May 2020 13:03

Instrument :

MSVOA_X

ClientSampleId :

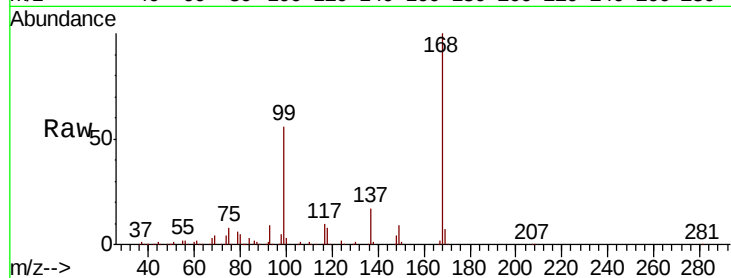
SS052MW352-200507

Tot Ion:168 Resp: 301121

Ion Ratio Lower Upper

168 100

99 55.6 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

120000

100000

80000

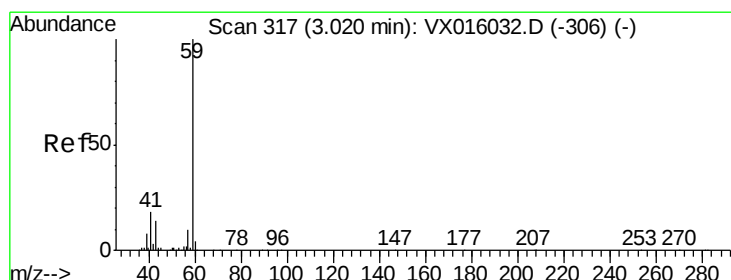
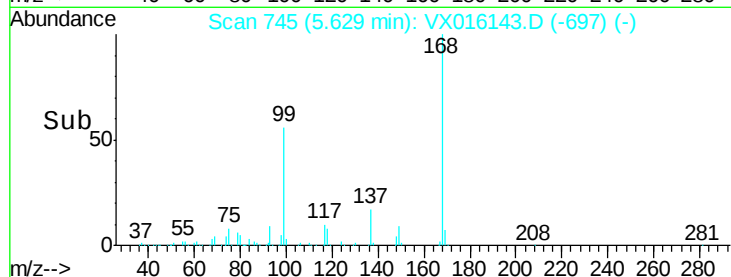
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.543 ug/l

RT: 3.02 min Scan# 317

Delta R.T. -0.00 min

Lab File: VX016143.D

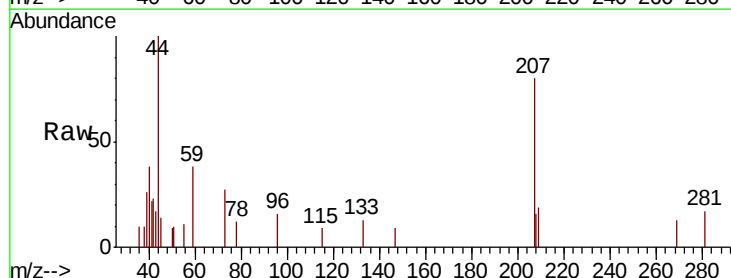
Acq: 11 May 2020 13:03

Tgt Ion: 59 Resp: 544

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.02

250

200

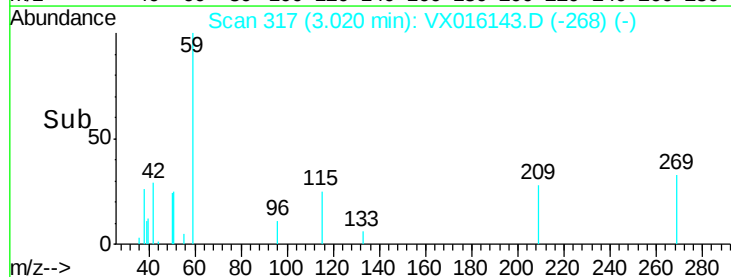
150

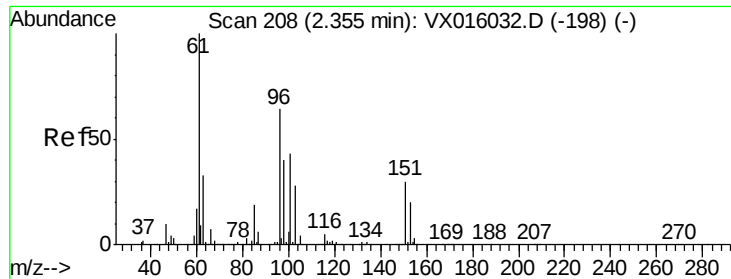
100

50

0

Time-->





#12

1,1-Dichloroethene

Concen: 0.465 ug/l

RT: 2.36 min Scan# 209

Delta R.T. 0.01 min

Lab File: VX016143.D

Acq: 11 May 2020 13:03

Instrument :

MSVOA_X

ClientSampleId :

SS052MW352-200507

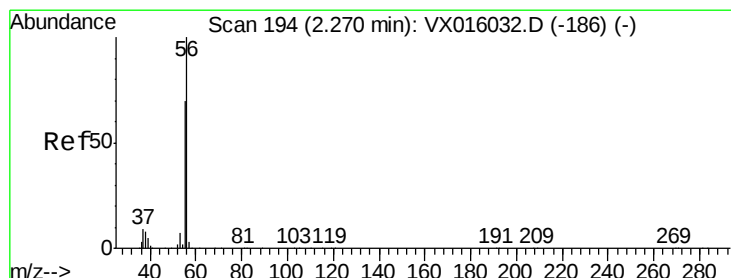
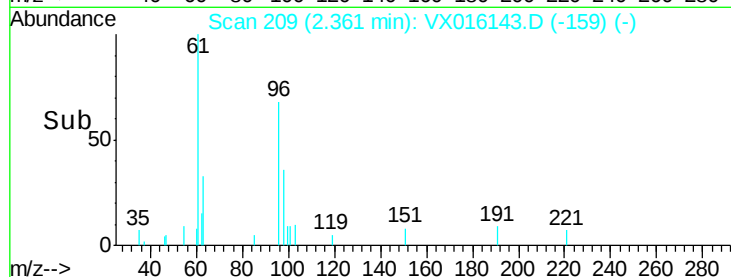
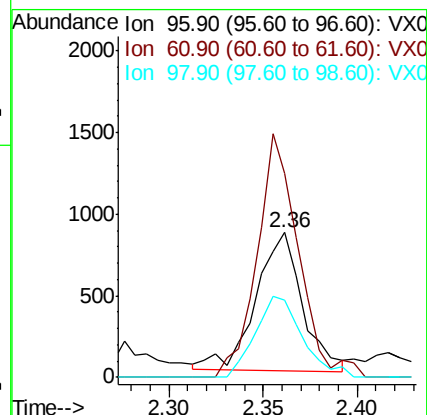
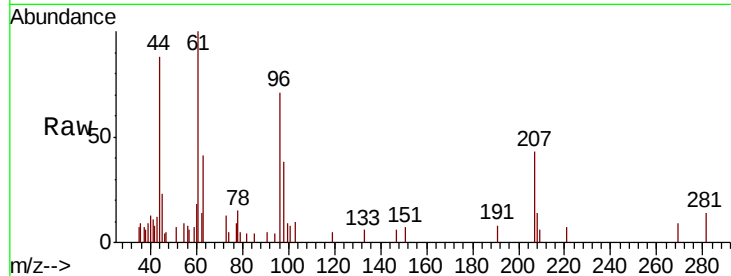
Tot Ion: 96 Resp: 1456

Ion Ratio Lower Upper

96 100

61 154.7 124.8 187.2

98 58.6 49.7 74.5



#13

Acrolein

Concen: 0.831 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX016143.D

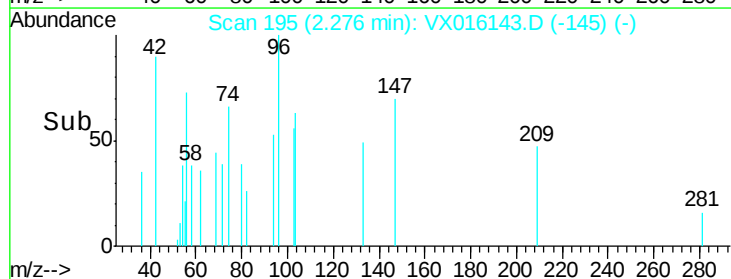
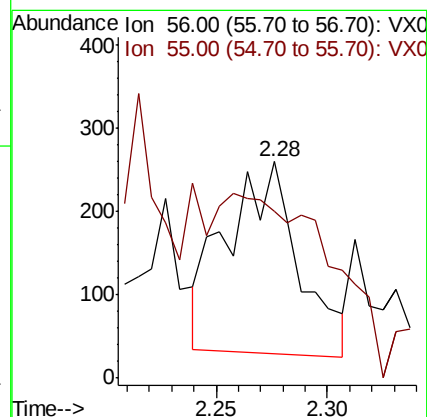
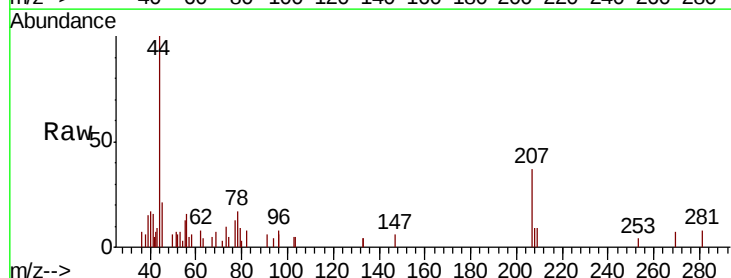
Acq: 11 May 2020 13:03

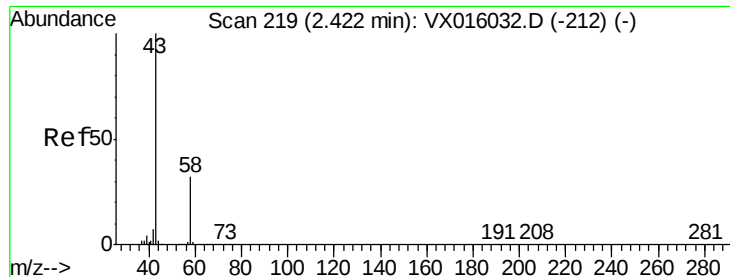
Tgt Ion: 56 Resp: 521

Ion Ratio Lower Upper

56 100

55 0.0 56.5 84.7#





#16

Acetone

Concen: 1.535 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX016143.D

Acq: 11 May 2020 13:03

Instrument :

MSVOA_X

ClientSampleId :

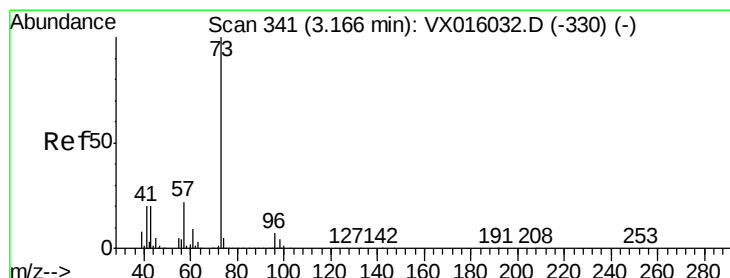
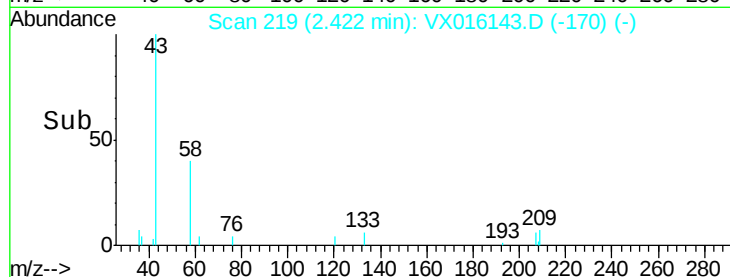
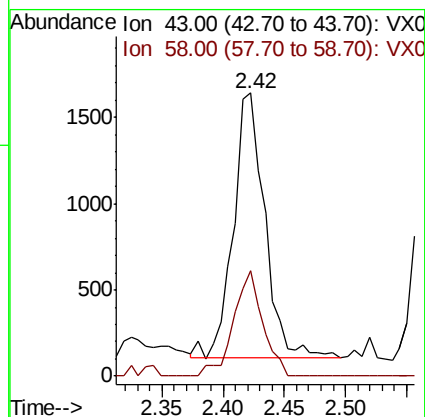
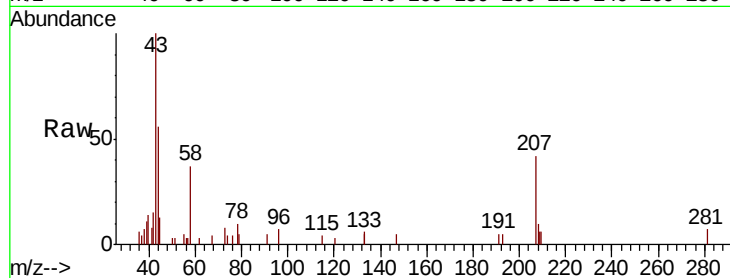
SS052MW352-200507

Tot Ion: 43 Resp: 2714

Ion Ratio Lower Upper

43 100

58 40.0 25.4 38.0#



#19

Methyl tert-butyl Ether

Concen: 1.049 ug/l

RT: 3.17 min Scan# 342

Delta R.T. 0.01 min

Lab File: VX016143.D

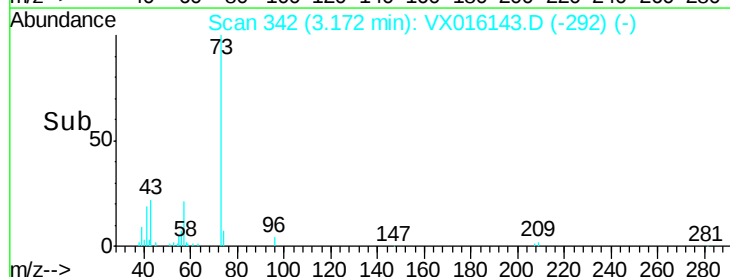
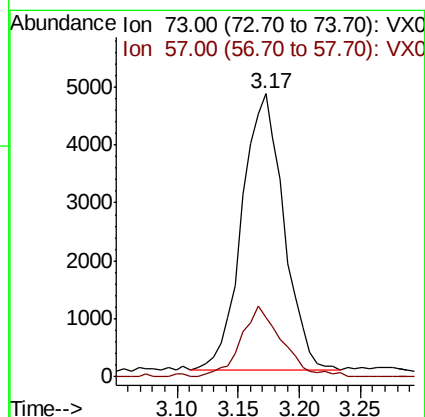
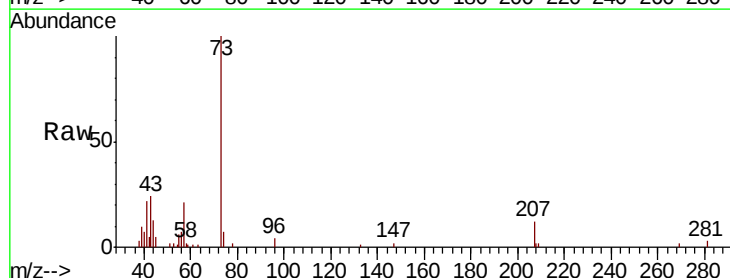
Acq: 11 May 2020 13:03

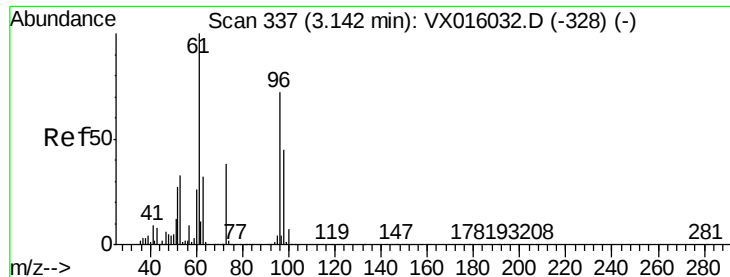
Tgt Ion: 73 Resp: 11317

Ion Ratio Lower Upper

73 100

57 21.5 17.8 26.6





#21

trans-1,2-Dichloroethene

Concen: 0.337 ug/l

RT: 3.15 min Scan# 338

Delta R.T. 0.01 min

Lab File: VX016143.D

Acq: 11 May 2020 13:03

Instrument :

MSVOA_X

ClientSampleId :

SS052MW352-200507

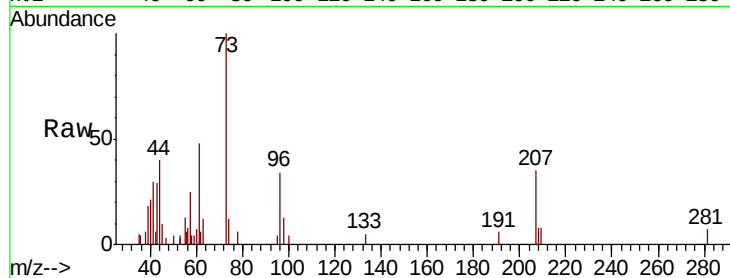
Tot Ion: 96 Resp: 1176

Ion Ratio Lower Upper

96 100

61 139.2 111.2 166.8

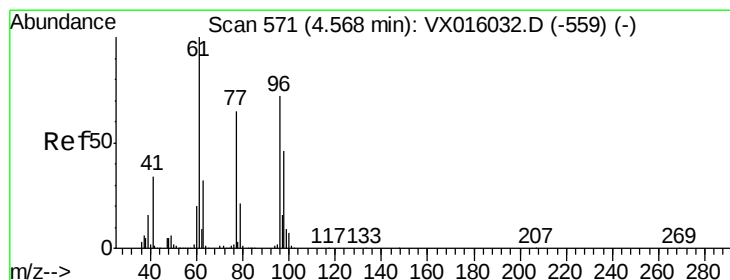
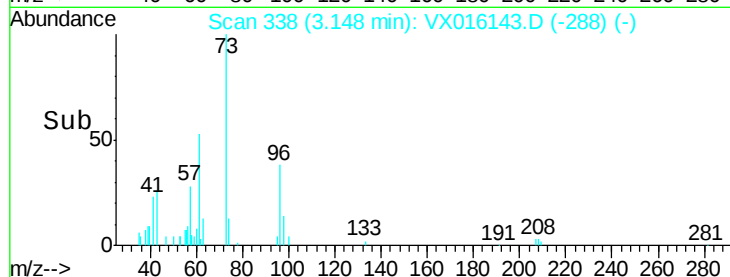
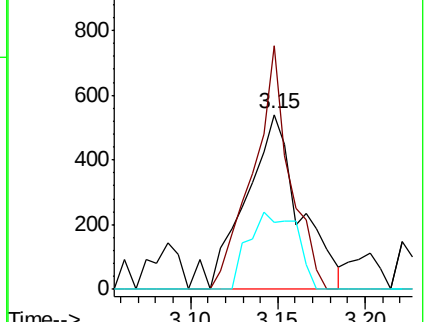
98 37.9 50.2 75.4#



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



#27

cis-1,2-Dichloroethene

Concen: 3.627 ug/l

RT: 4.57 min Scan# 572

Delta R.T. 0.01 min

Lab File: VX016143.D

Acq: 11 May 2020 13:03

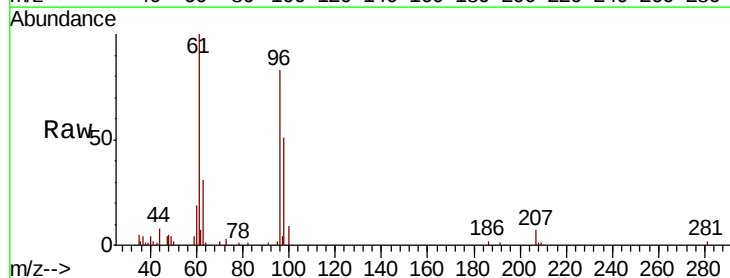
Tgt Ion: 96 Resp: 13832

Ion Ratio Lower Upper

96 100

61 123.5 0.0 296.2

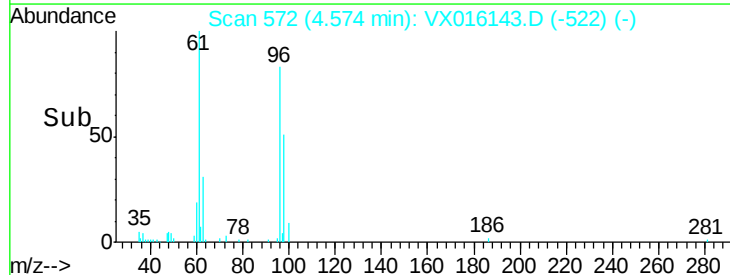
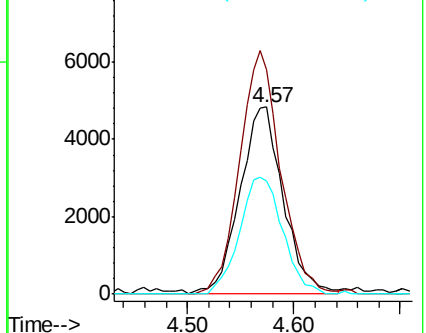
98 61.8 0.0 129.4

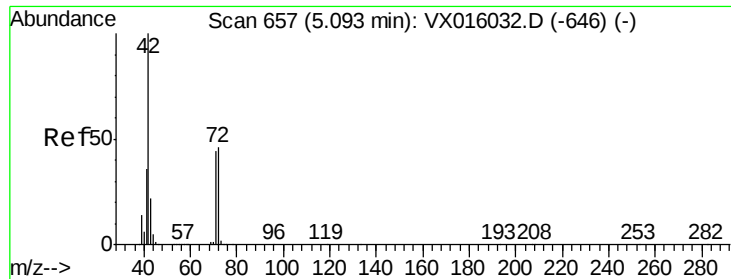


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#29

Tetrahydrofuran

Concen: 0.275 ug/l

RT: 5.11 min Scan# 660

Delta R.T. 0.02 min

Lab File: VX016143.D

Acq: 11 May 2020 13:03

Instrument :

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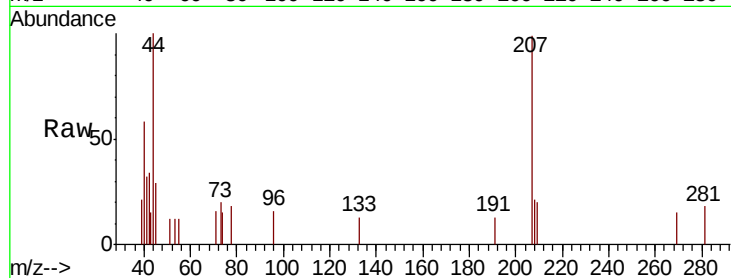
Tot Ion: 42 Resp: 519

Ion Ratio Lower Upper

42 100

72 4.0 37.1 55.7#

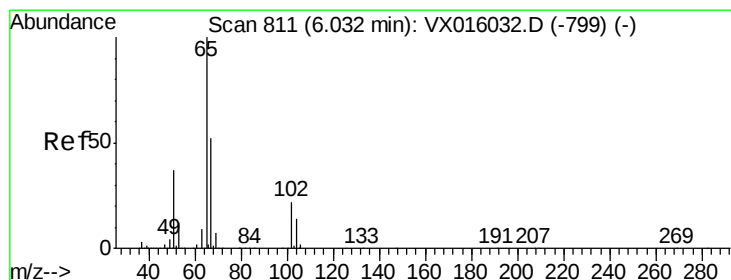
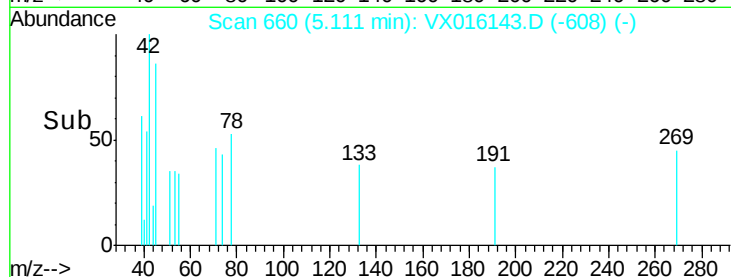
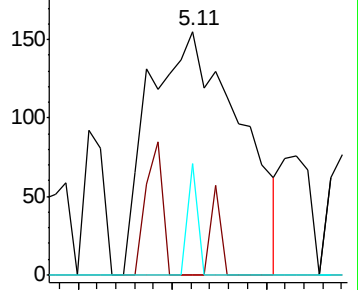
71 5.0 34.5 51.7#



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: 46.100 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX016143.D

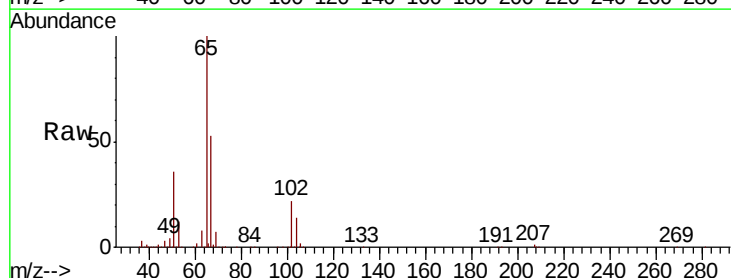
Acq: 11 May 2020 13:03

Tgt Ion: 65 Resp: 182670

Ion Ratio Lower Upper

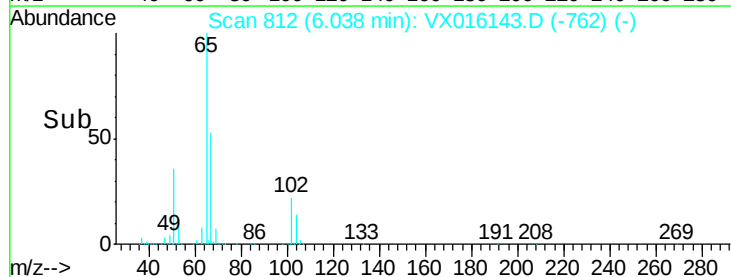
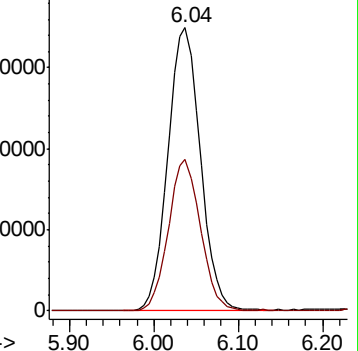
65 100

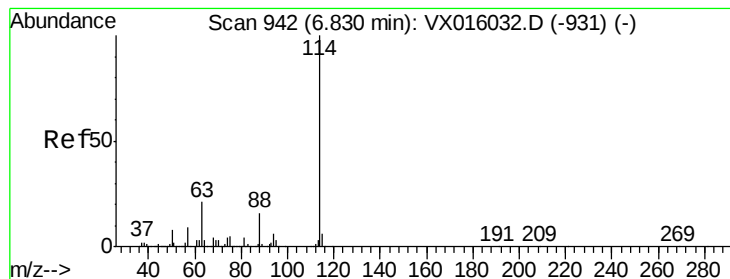
67 52.6 0.0 104.8



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: VX016143.D

Acq: 11 May 2020 13:03

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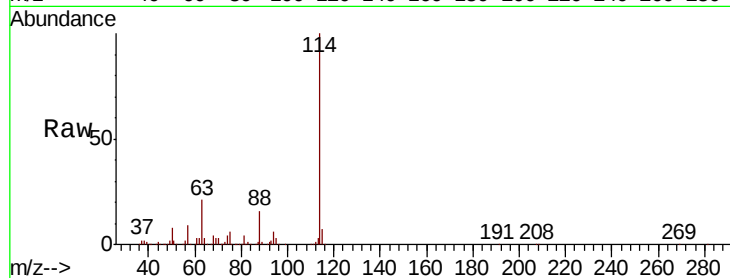
Tot Ion:114 Resp: 492921

Ion Ratio Lower Upper

114 100

63 21.1 0.0 42.8

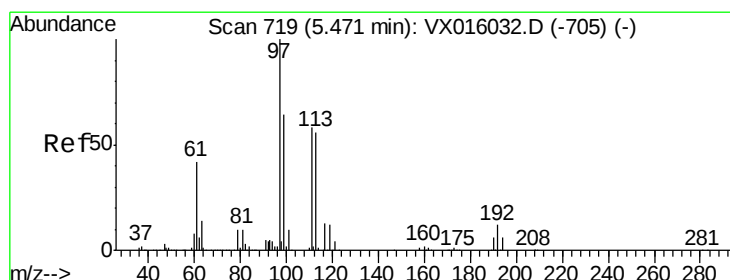
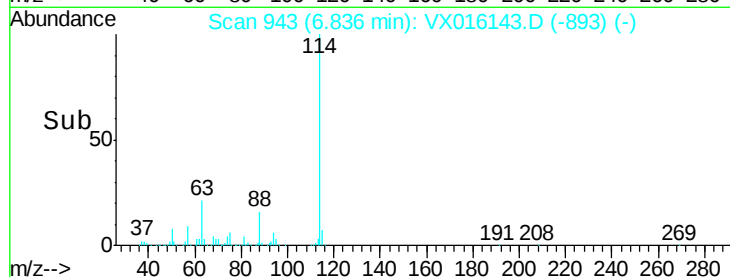
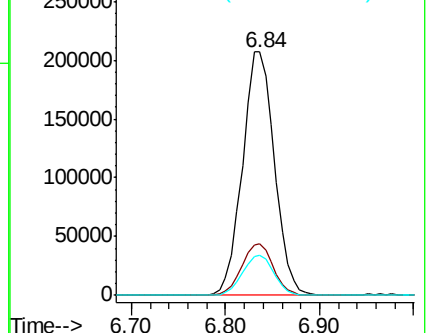
88 16.3 0.0 31.4



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: 46.531 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX016143.D

Acq: 11 May 2020 13:03

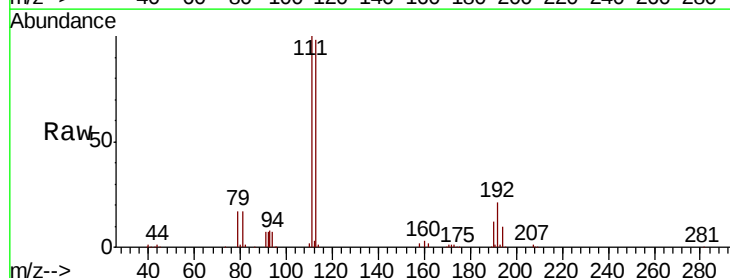
Tgt Ion:113 Resp: 145309

Ion Ratio Lower Upper

113 100

111 103.3 81.6 122.4

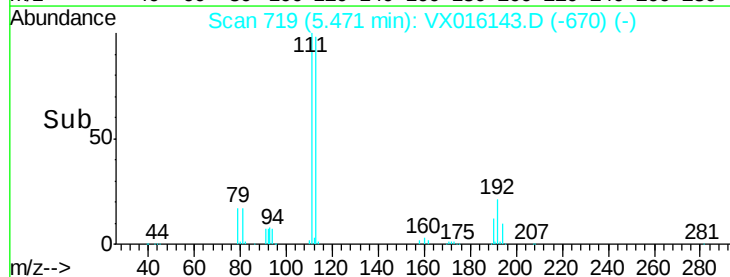
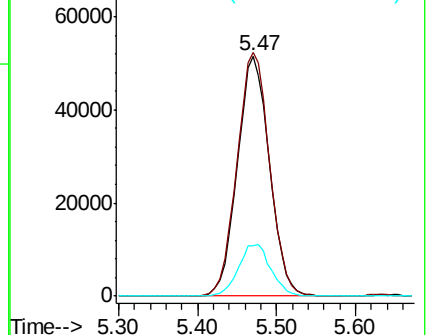
192 21.9 17.0 25.4

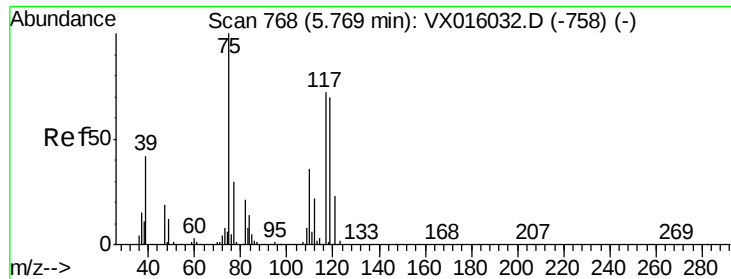


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.642 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX016143.D

Acq: 11 May 2020 13:03

Instrument :

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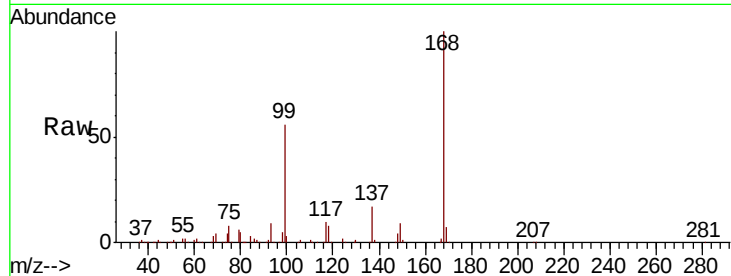
Tot Ion: 75 Resp: 22525

Ion Ratio Lower Upper

75 100

110 8.9 18.1 54.1#

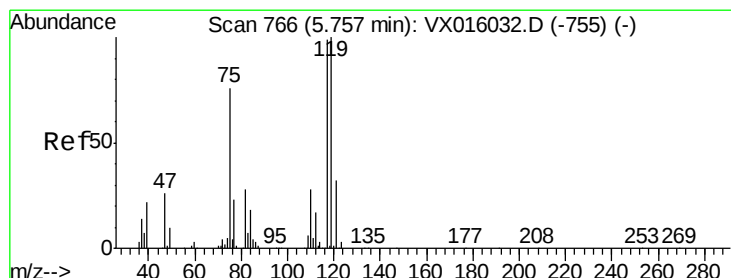
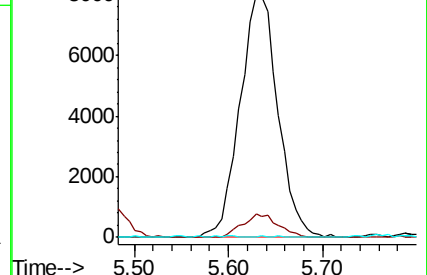
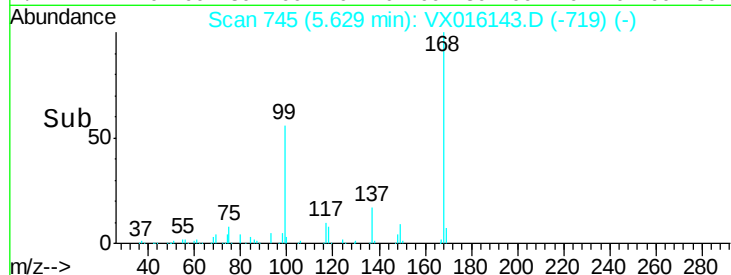
77 0.1 25.0 37.6#



Abundance Ion 74.90 (74.60 to 75.60): VX016143.D (-719) (-)

Ion 109.90 (109.60 to 110.60): VX016143.D (-719) (-)

Ion 76.90 (76.60 to 77.60): VX016143.D (-719) (-)



#38

Carbon Tetrachloride

Concen: 5.883 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016143.D

Acq: 11 May 2020 13:03

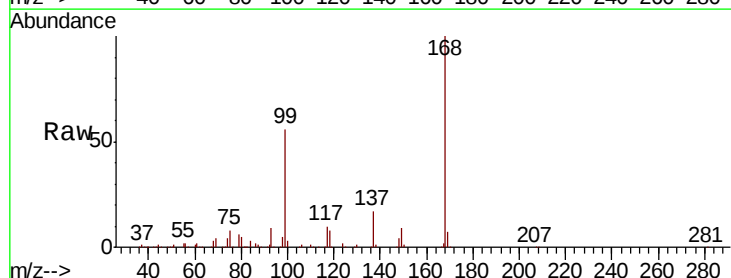
Tgt Ion: 117 Resp: 29014

Ion Ratio Lower Upper

117 100

119 4.9 80.3 120.5#

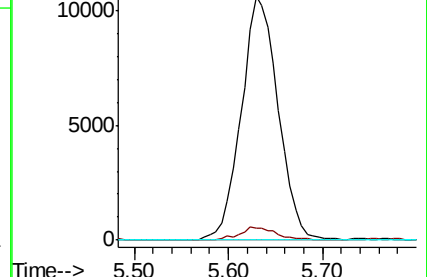
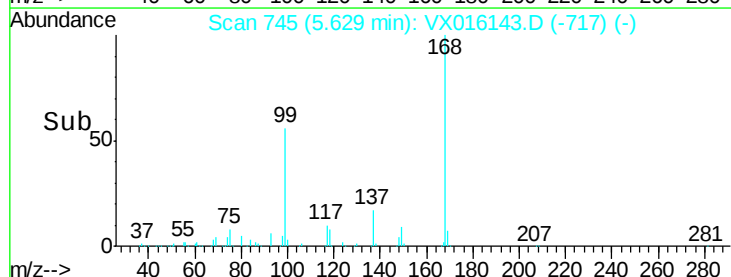
121 0.0 25.7 38.5#

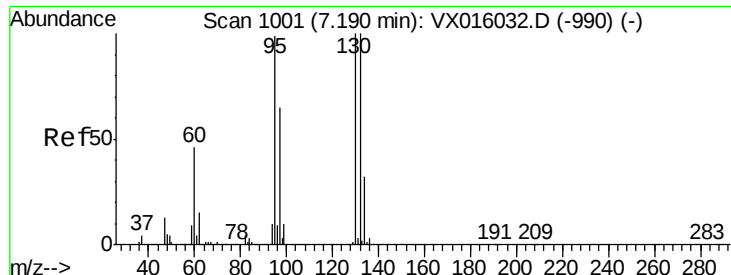


Abundance Ion 116.80 (116.50 to 117.50): VX016143.D (-717) (-)

Ion 118.80 (118.50 to 119.50): VX016143.D (-717) (-)

Ion 120.80 (120.50 to 121.50): VX016143.D (-717) (-)

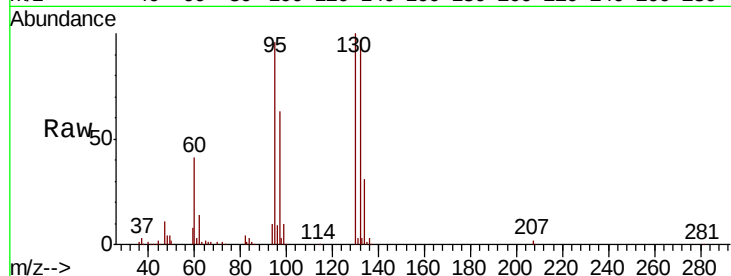




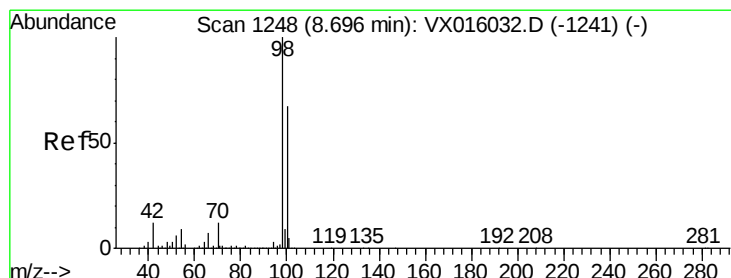
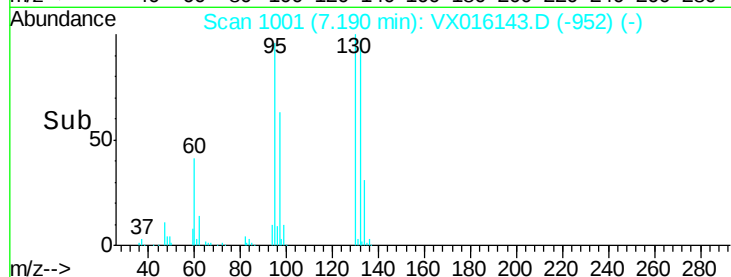
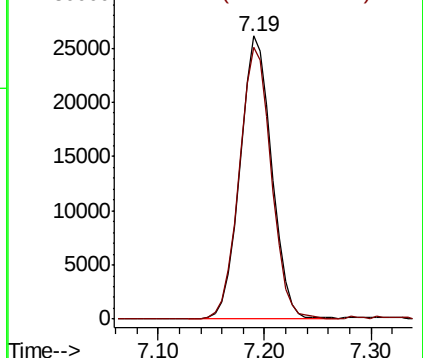
#44
 Trichloroethene
 Concen: 10.813 ug/l
 RT: 7.19 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: VX016143.D
 Acq: 11 May 2020 13:03

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW352-200507

Tot Ion:130 Resp: 54537
 Ion Ratio Lower Upper
 130 100
 95 96.0 0.0 197.4

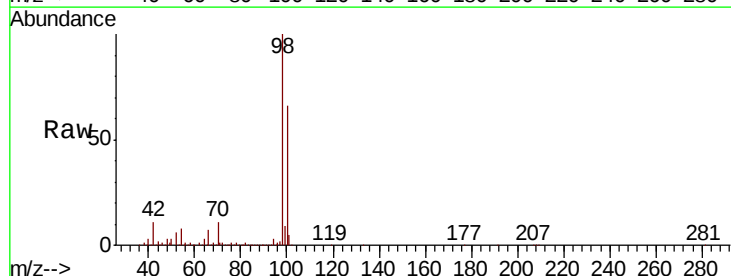


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0

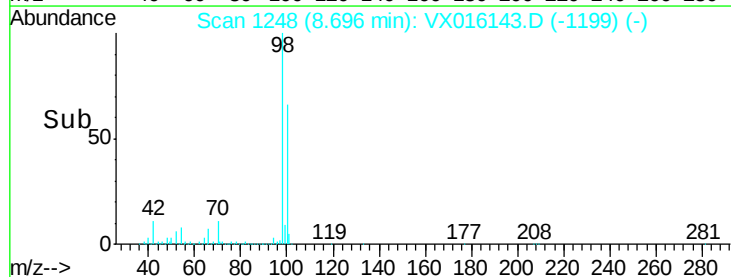
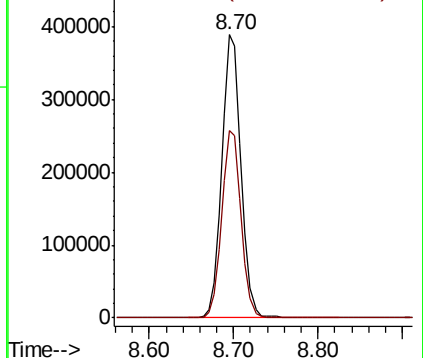


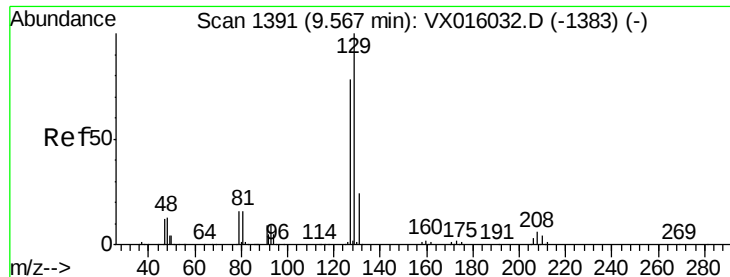
#50
 Toluene-d8
 Concen: 50.743 ug/l
 RT: 8.70 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VX016143.D
 Acq: 11 May 2020 13:03

Tgt Ion: 98 Resp: 610572
 Ion Ratio Lower Upper
 98 100
 100 66.7 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: 2.501 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.25 min

Lab File: VX016143.D

Acq: 11 May 2020 13:03

Instrument :

MSVOA_X

ClientSampleId :

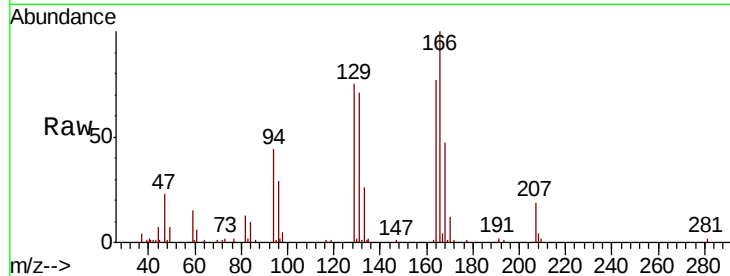
SS052MW352-200507

Tot Ion:129 Resp: 9591

Ion Ratio Lower Upper

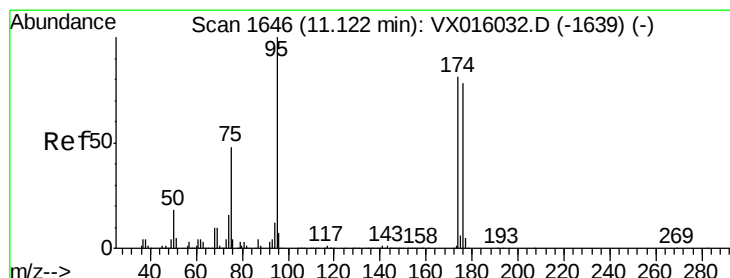
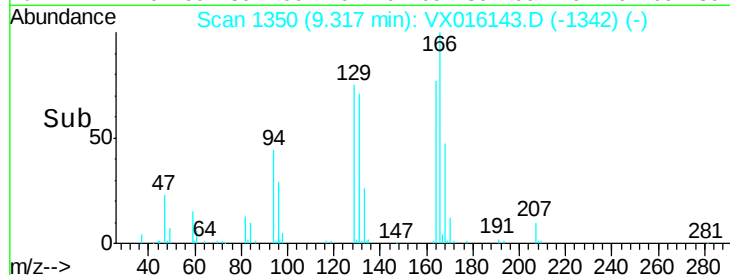
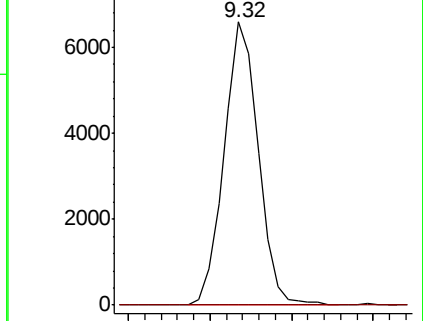
129 100

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



#62

4-Bromofluorobenzene

Concen: 53.555 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016143.D

Acq: 11 May 2020 13:03

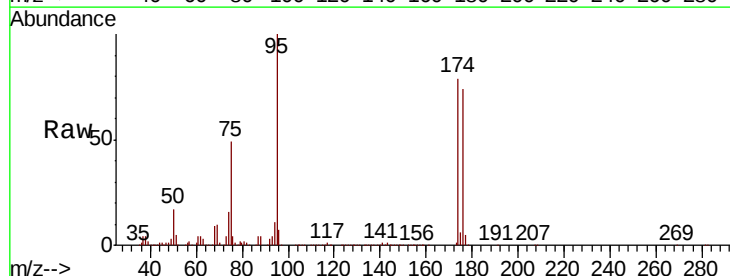
Tgt Ion: 95 Resp: 245102

Ion Ratio Lower Upper

95 100

174 81.6 0.0 159.4

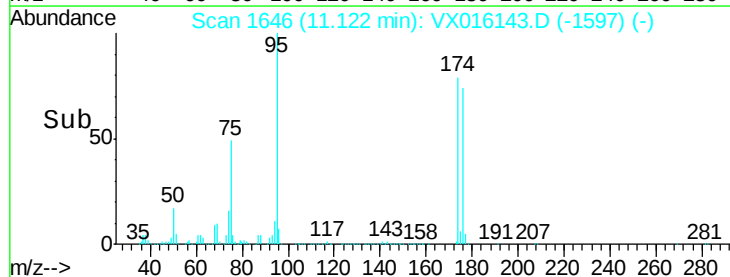
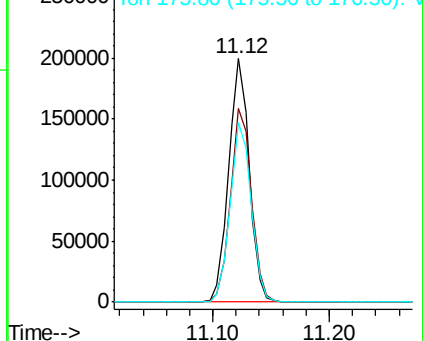
176 75.8 0.0 157.6

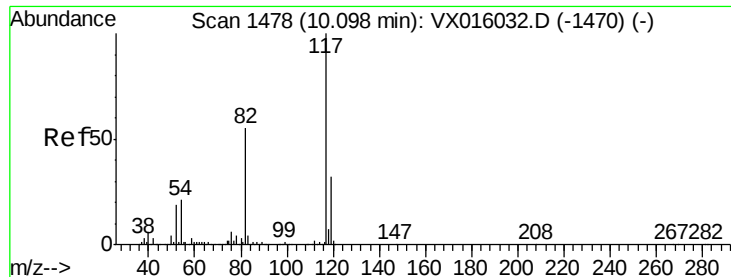


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

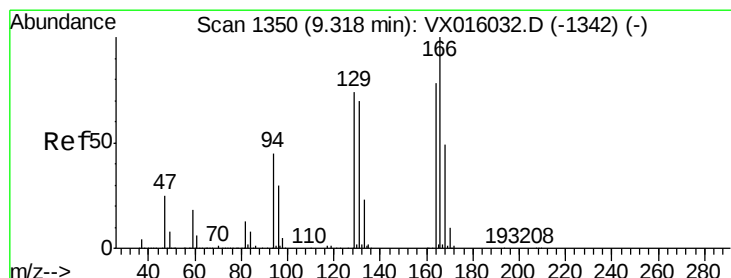
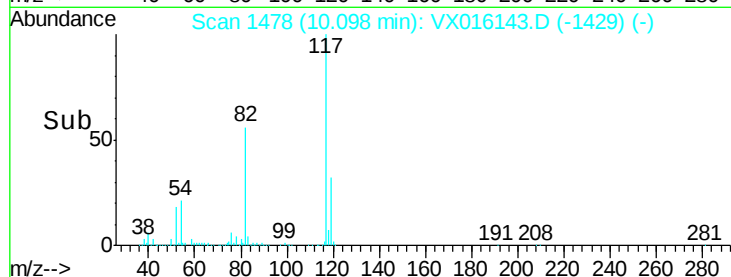
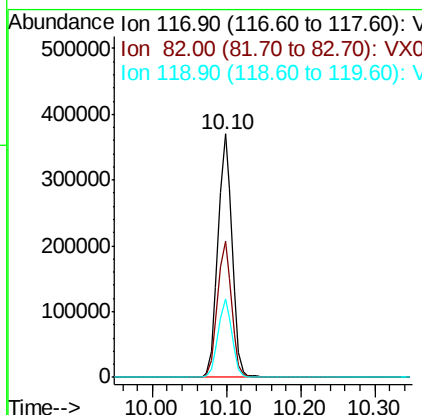
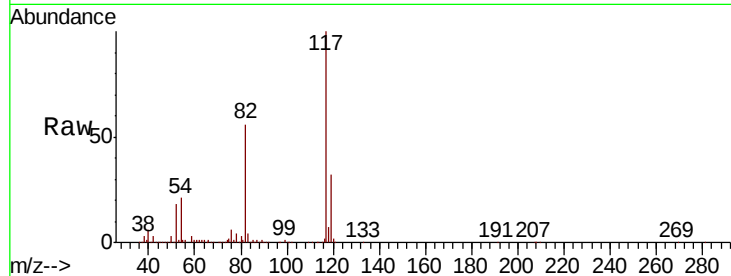




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016143.D
Acq: 11 May 2020 13:03

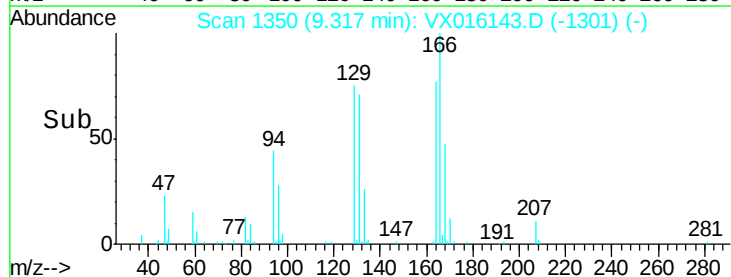
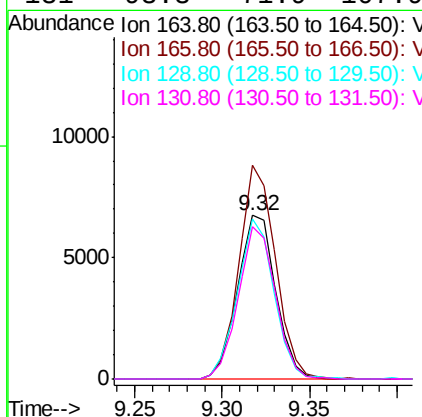
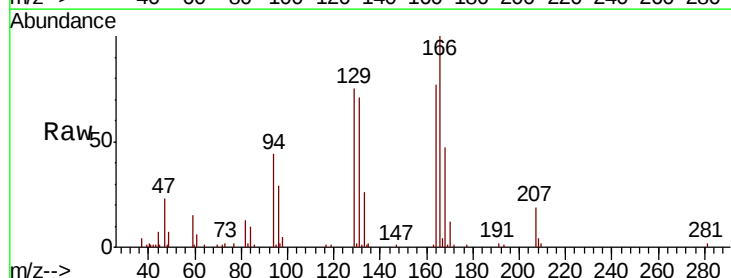
Instrument :
MSVOA_X
ClientSampleId :
SS052MW352-200507

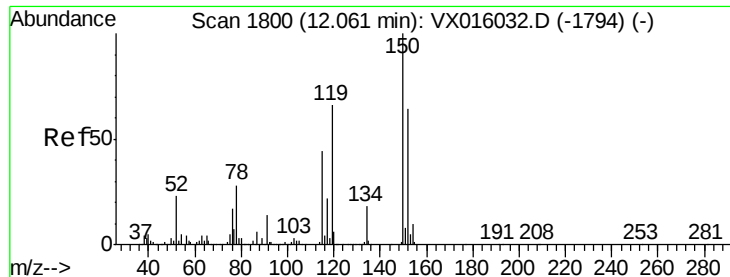
Tot Ion:117 Resp: 480446
Ion Ratio Lower Upper
117 100
82 55.7 44.4 66.6
119 32.0 25.5 38.3



#64
Tetrachloroethene
Concen: 1.730 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX016143.D
Acq: 11 May 2020 13:03

Tgt Ion:164 Resp: 10205
Ion Ratio Lower Upper
164 100
166 130.6 102.9 154.3
129 97.7 76.1 114.1
131 93.3 71.9 107.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016143.D

Acq: 11 May 2020 13:03

Instrument :

MSVOA_X

ClientSampleId :

SS052MW352-200507

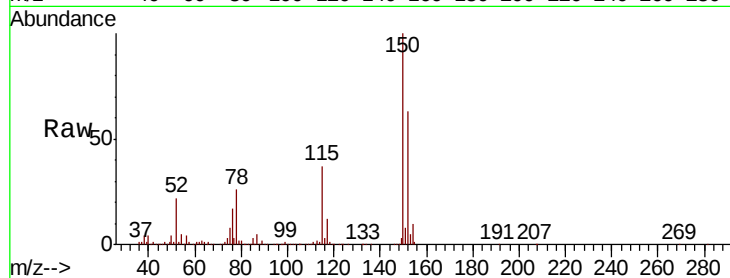
Tot Ion:152 Resp: 245212

Ion Ratio Lower Upper

152 100

115 58.5 41.3 124.1

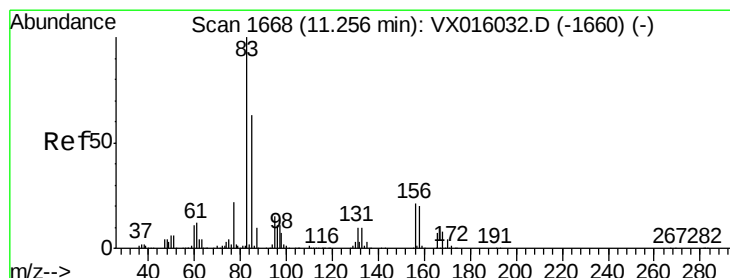
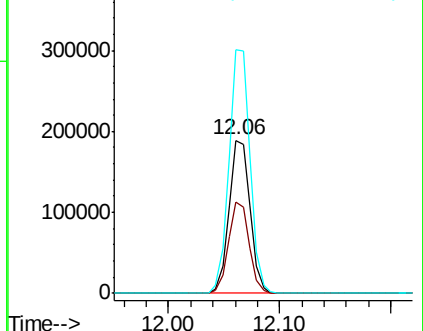
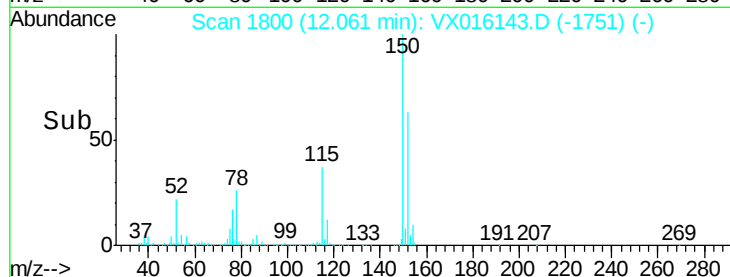
150 159.4 0.0 352.2



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: 2.060 ug/l

RT: 11.26 min Scan# 1669

Delta R.T. 0.01 min

Lab File: VX016143.D

Acq: 11 May 2020 13:03

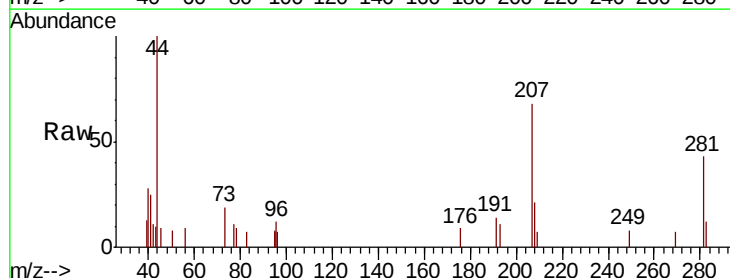
Tgt Ion: 83 Resp: 38

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.4#

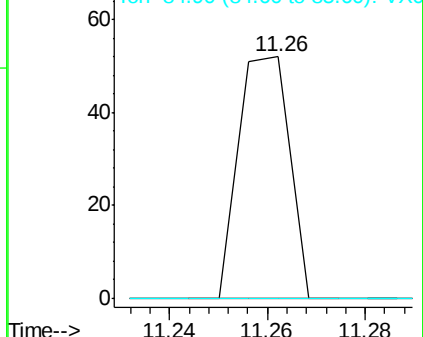
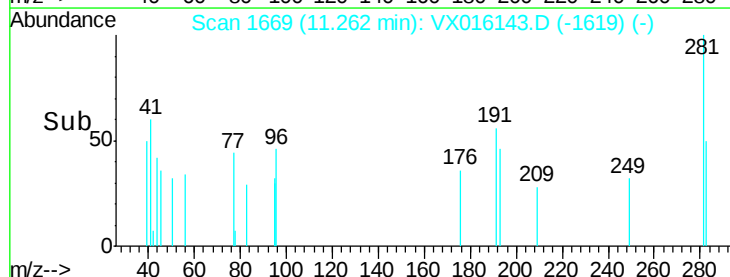
85 0.0 32.0 96.0#

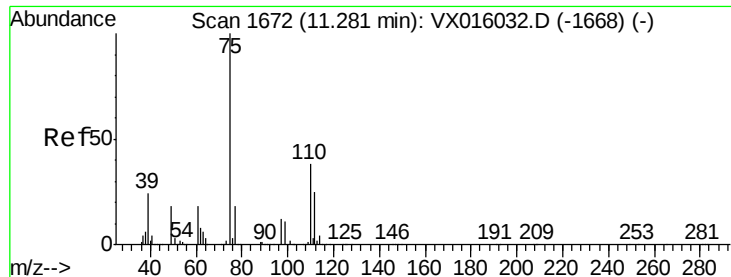


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 21.486 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016143.D

Acq: 11 May 2020 13:03

Instrument :

MSVOA_X

ClientSampleId :

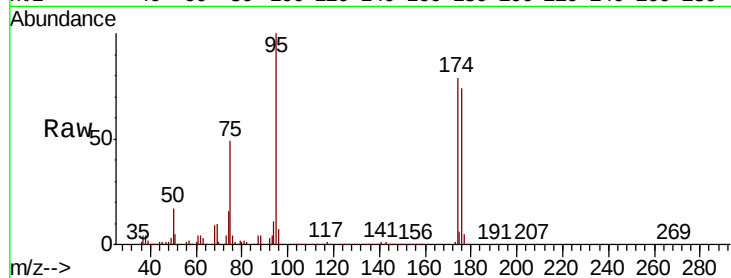
SS052MW352-200507

Tot Ion: 75 Resp: 119556

Ion Ratio Lower Upper

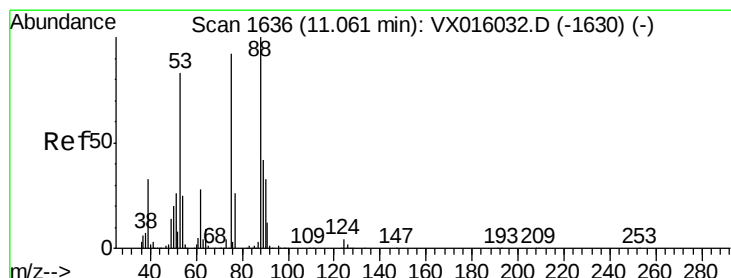
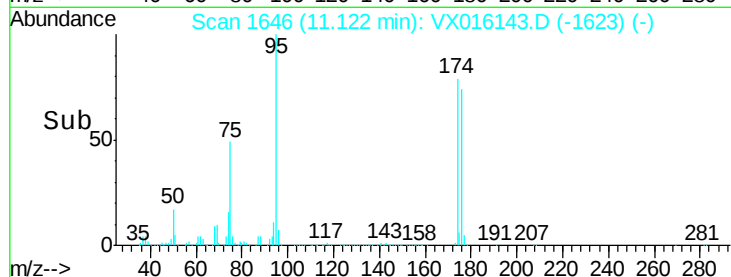
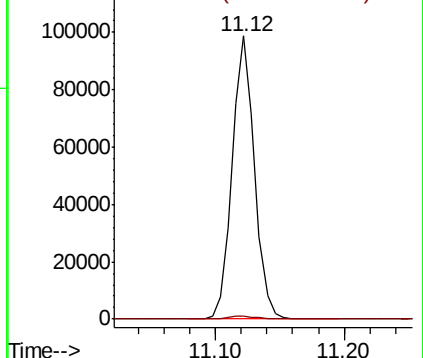
75 100

77 1.3 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: 51.202 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016143.D

Acq: 11 May 2020 13:03

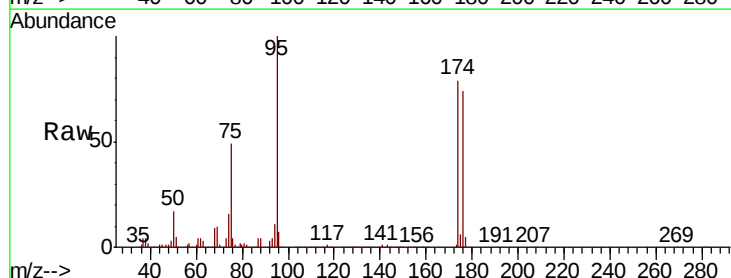
Tgt Ion: 75 Resp: 119556

Ion Ratio Lower Upper

75 100

53 0.0 73.1 109.7#

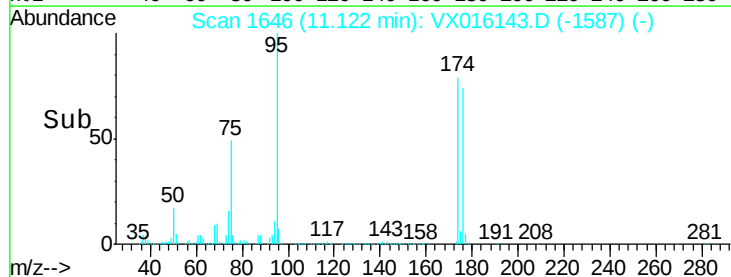
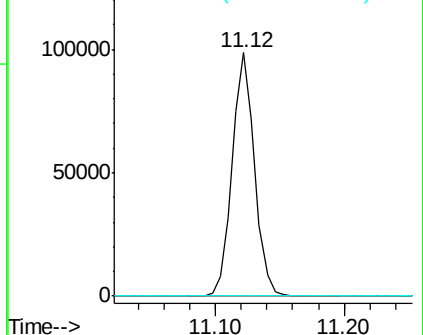
89 0.0 36.7 55.1#

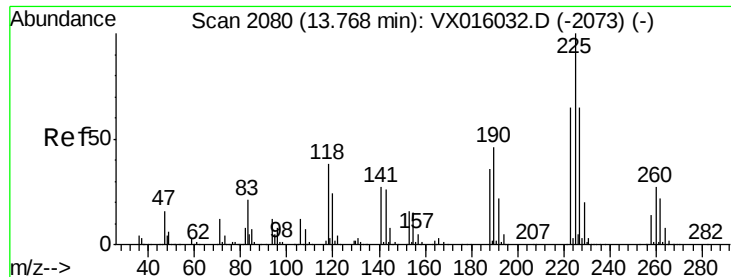


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#94
 Hexachlorobutadiene
 Concen: 0.651 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX016143.D
 Acq: 11 May 2020 13:03

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW352-200507

Tot Ion	Ratio	Lower	Upper
225	100		
223	57.4	32.3	96.9
227	62.0	31.8	95.4

