

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052920\
 Data File : VX016502.D
 Acq On : 29 May 2020 11:40
 Operator : JC/SP
 Sample : VX0529WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0529WBL01

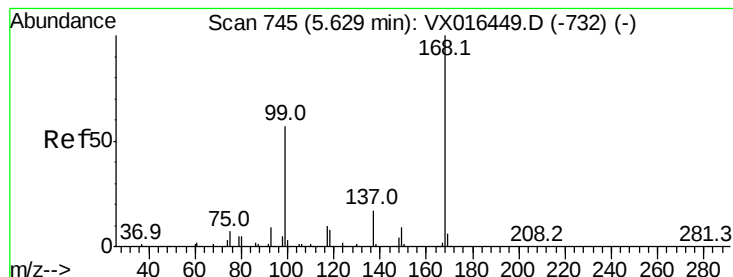
Quant Time: May 30 01:40:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 16:31:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	304722	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	487446	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	471050	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	216113	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	177690	46.96	ug/l	0.00
Spiked Amount						
			Recovery	=	93.92%	
35) Dibromofluoromethane	5.46	113	142823	47.59	ug/l	0.00
Spiked Amount						
			Recovery	=	95.18%	
50) Toluene-d8	8.70	98	603392	51.65	ug/l	0.00
Spiked Amount						
			Recovery	=	103.30%	
62) 4-Bromofluorobenzene	11.12	95	231070	51.19	ug/l	0.00
Spiked Amount						
			Recovery	=	102.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.49	142	1404	3.454	ug/l #	44
12) 1,1-Dichloroethene	2.37	96	589	0.201	ug/l #	14
13) Acrolein	2.27	56	652	1.579	ug/l #	33
15) Acrylonitrile	3.11	53	1033	0.520	ug/l #	86
16) Acetone	2.42	43	1038	0.626	ug/l	92
17) Carbon Disulfide	2.55	76	3528	0.405	ug/l	96
18) Methyl Acetate	2.75	43	985	0.232	ug/l #	69
29) Tetrahydrofuran	5.09	42	379	0.209	ug/l #	44
31) Cyclohexane	5.61	56	5774	1.098	ug/l #	17
36) 1,1-Dichloropropene	5.62	75	22255	4.822	ug/l #	50
38) Carbon Tetrachloride	5.63	117	28516	5.879	ug/l #	15
76) 1,2,3-Trichloropropane	11.12	75	112598	23.703	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	112598	58.307	ug/l #	14
93) 1,2,4-Trichlorobenzene	13.63	180	1361	0.311	ug/l	92
94) Hexachlorobutadiene	13.77	225	998	0.581	ug/l	91
95) Naphthalene	13.82	128	3436	0.229	ug/l	97
96) 1,2,3-Trichlorobenzene	14.01	180	1535	0.358	ug/l	92

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX016502.D

Acq: 29 May 2020 11:40

Instrument :

MSVOA_X

ClientSampleId :

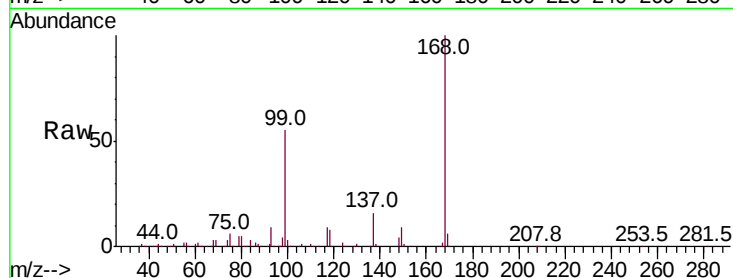
VX0529WBL01

Tot Ion:168 Resp: 304722

Ion Ratio Lower Upper

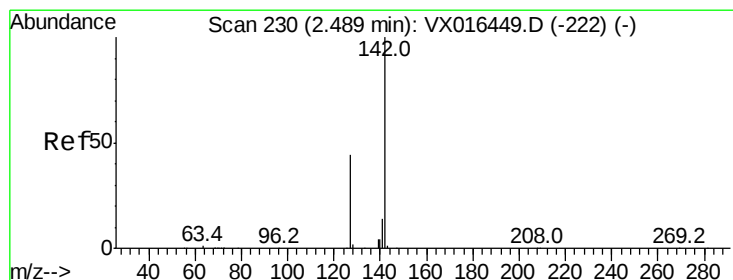
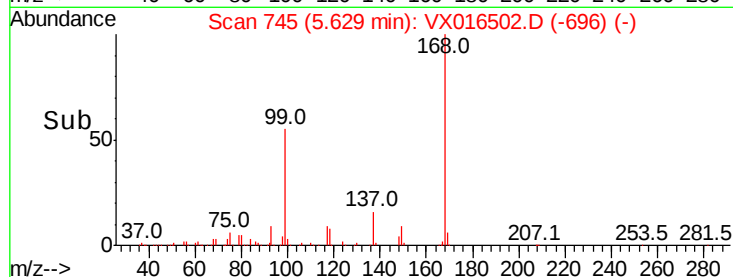
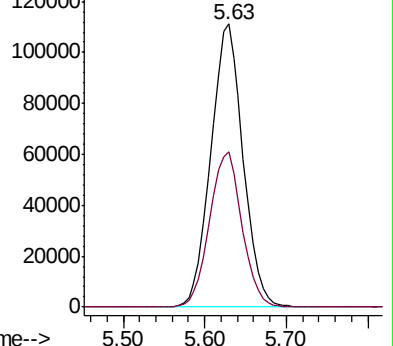
168 100

99 55.1 45.2 67.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#10

Methyl Iodide

Concen: 3.454 ug/l

RT: 2.49 min Scan# 230

Delta R.T. 0.00 min

Lab File: VX016502.D

Acq: 29 May 2020 11:40

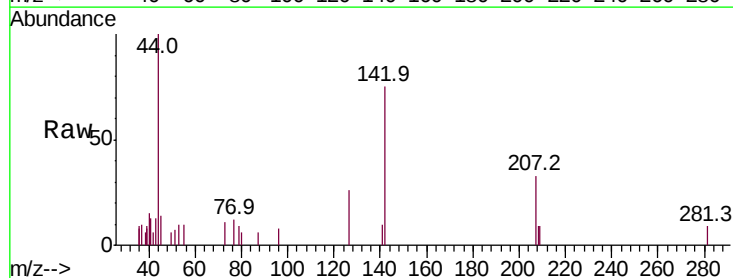
Tgt Ion:142 Resp: 1404

Ion Ratio Lower Upper

142 100

127 0.0 35.3 52.9#

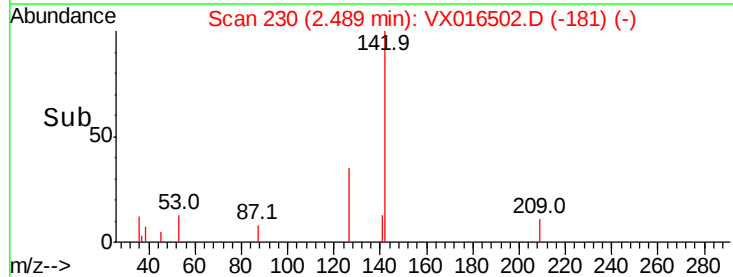
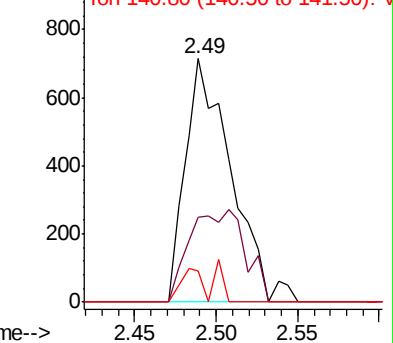
141 6.3 11.4 17.2#

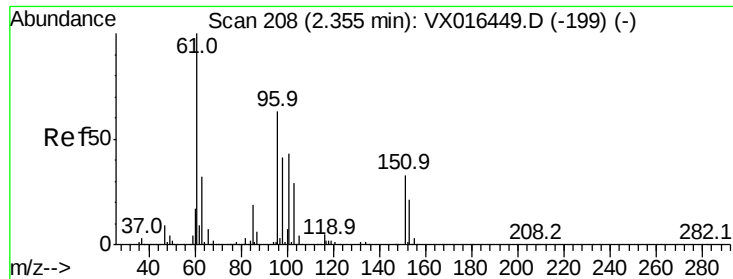


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#12

1,1-Dichloroethene

Concen: 0.201 ug/l

RT: 2.37 min Scan# 211

Delta R.T. 0.02 min

Lab File: VX016502.D

Acq: 29 May 2020 11:40

Instrument :

MSVOA_X

ClientSampleId :

VX0529WBL01

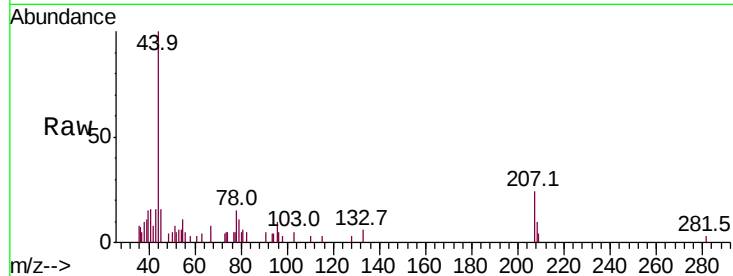
Tot Ion: 96 Resp: 589

Ion Ratio Lower Upper

96 100

61 25.9 126.6 189.8#

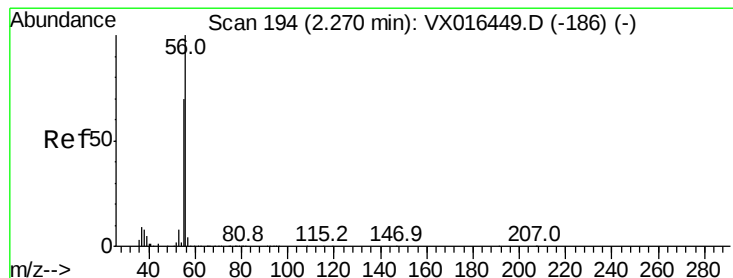
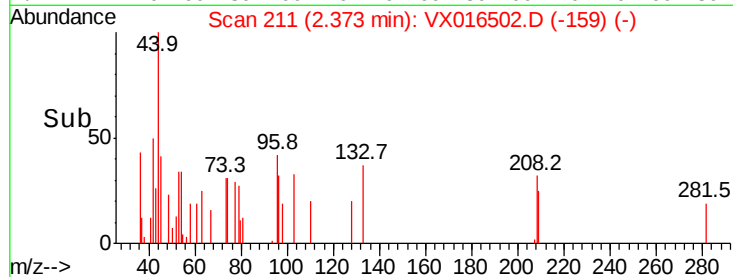
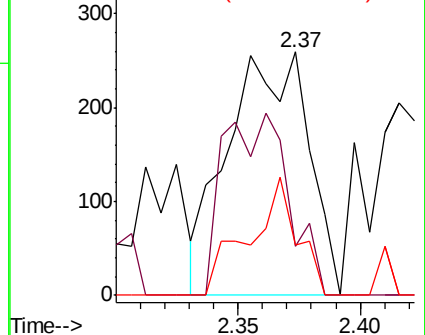
98 26.9 51.3 76.9#



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



#13

Acrolein

Concen: 1.579 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX016502.D

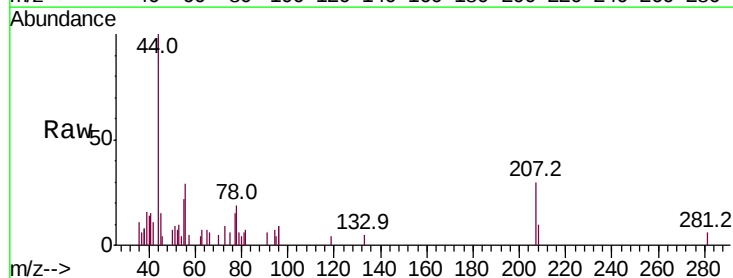
Acq: 29 May 2020 11:40

Tgt Ion: 56 Resp: 652

Ion Ratio Lower Upper

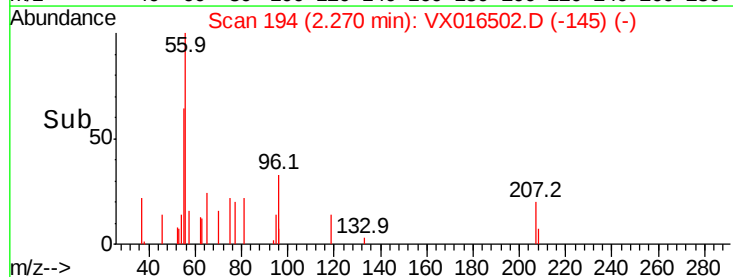
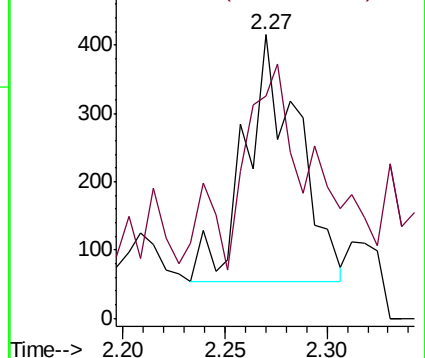
56 100

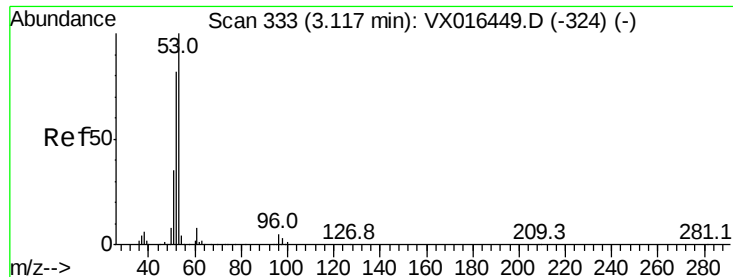
55 128.8 58.3 87.5#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

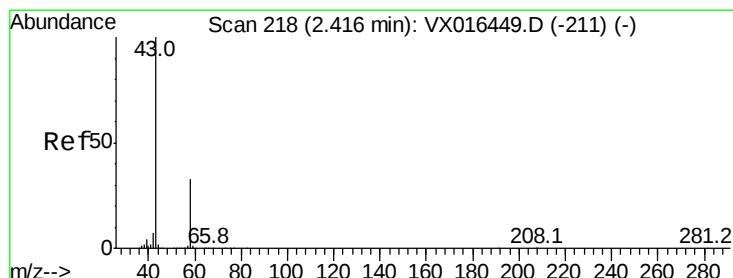
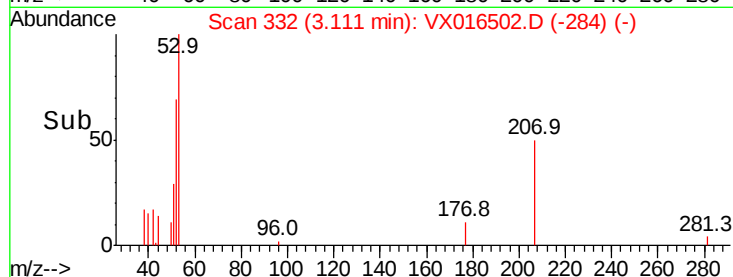
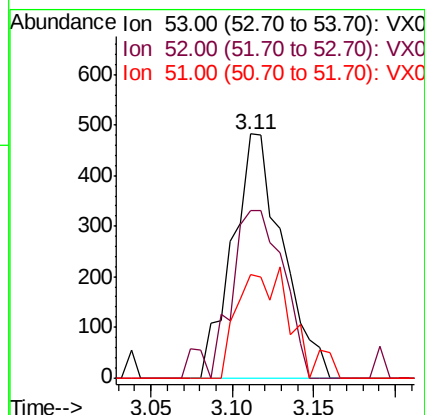
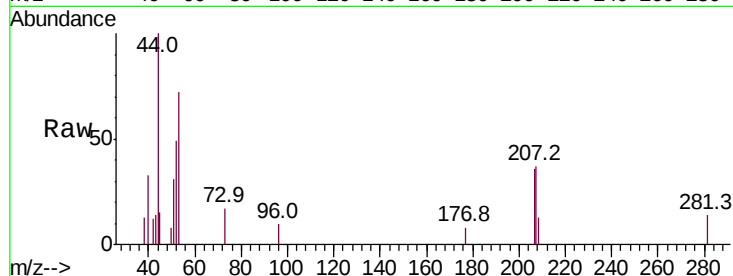




#15
 Acrylonitrile
 Concen: 0.520 ug/l
 RT: 3.11 min Scan# 332
 Delta R.T. -0.01 min
 Lab File: VX016502.D
 Acq: 29 May 2020 11:40

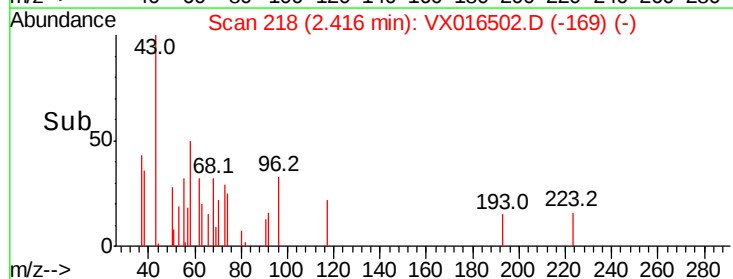
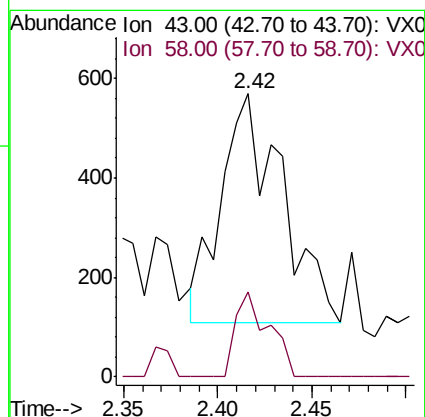
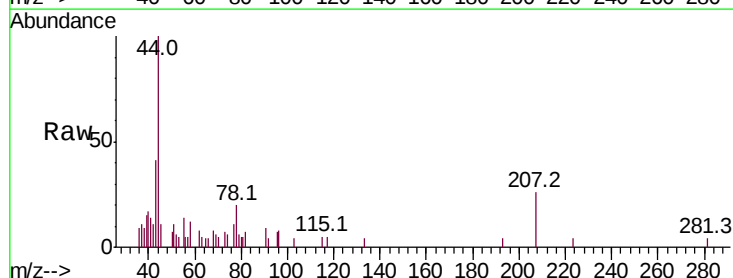
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0529WBL01

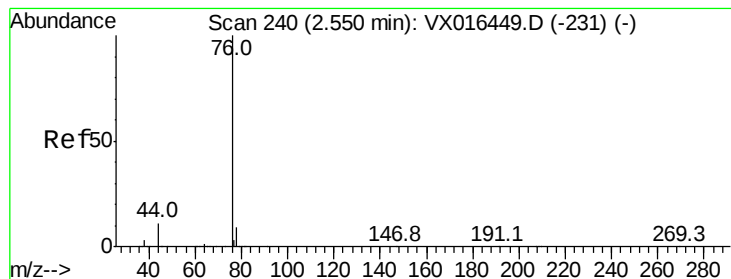
Tot Ion: 53 Resp: 1033
 Ion Ratio Lower Upper
 53 100
 52 73.3 66.7 100.1
 51 47.4 28.6 43.0#



#16
 Acetone
 Concen: 0.626 ug/l
 RT: 2.42 min Scan# 218
 Delta R.T. -0.00 min
 Lab File: VX016502.D
 Acq: 29 May 2020 11:40

Tgt Ion: 43 Resp: 1038
 Ion Ratio Lower Upper
 43 100
 58 37.3 26.1 39.1





#17

Carbon Disulfide

Concen: 0.405 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX016502.D

Acq: 29 May 2020 11:40

Instrument :

MSVOA_X

ClientSampleId :

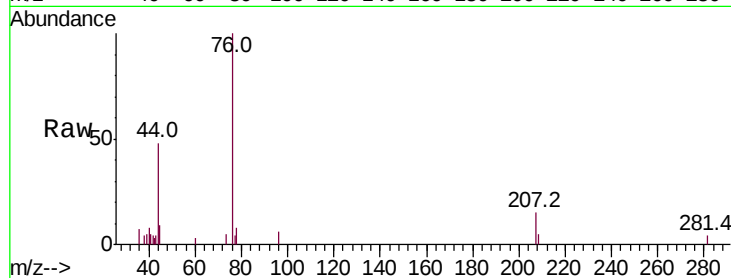
VX0529WBL01

Tot Ion: 76 Resp: 3528

Ion Ratio Lower Upper

76 100

78 7.9 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.55

2000

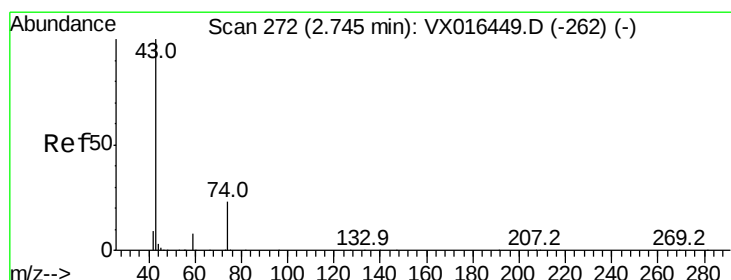
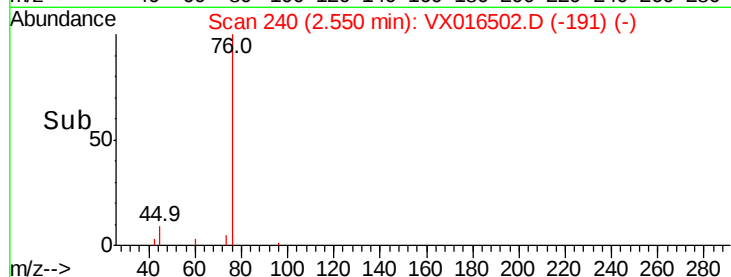
1500

1000

500

0

Time-->



#18

Methyl Acetate

Concen: 0.232 ug/l

RT: 2.75 min Scan# 273

Delta R.T. 0.01 min

Lab File: VX016502.D

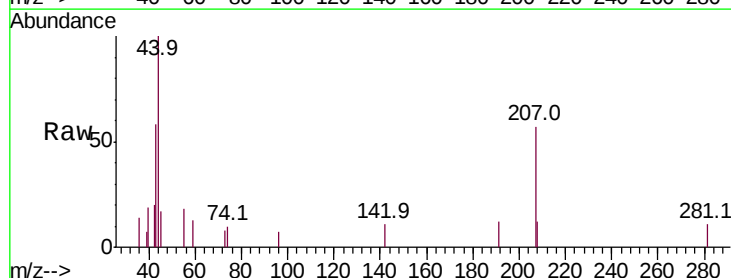
Acq: 29 May 2020 11:40

Tgt Ion: 43 Resp: 985

Ion Ratio Lower Upper

43 100

74 9.0 19.7 29.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.75

500

400

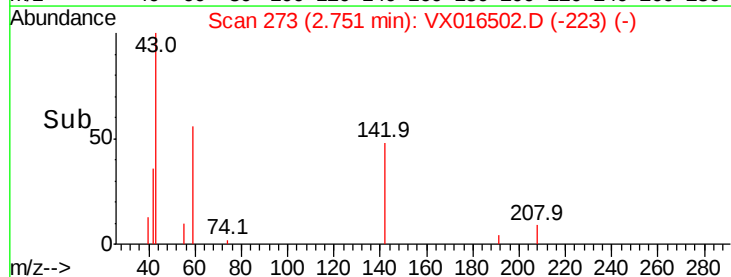
300

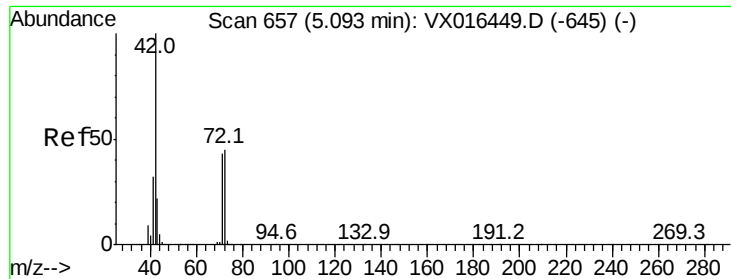
200

100

0

Time-->





#29

Tetrahydrofuran

Concen: 0.209 ug/l

RT: 5.09 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX016502.D

Acq: 29 May 2020 11:40

Instrument :

MSVOA_X

ClientSampleId :

VX0529WBL01

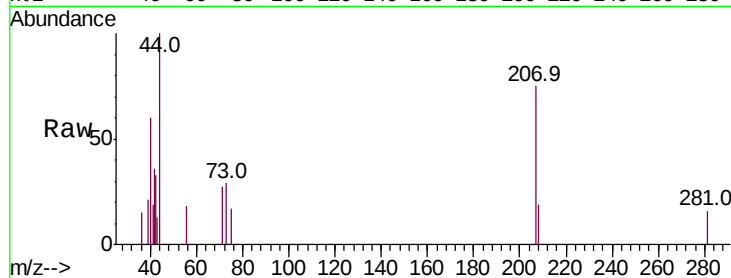
Tot Ion: 42 Resp: 379

Ion Ratio Lower Upper

42 100

72 0.0 37.0 55.4#

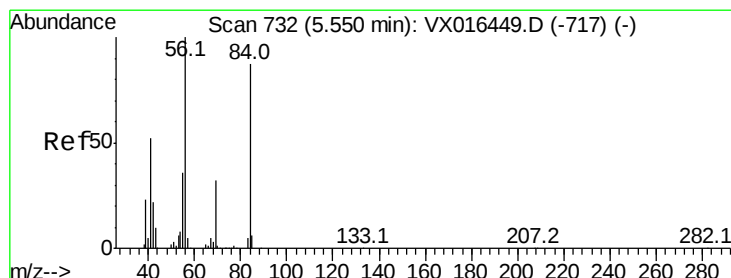
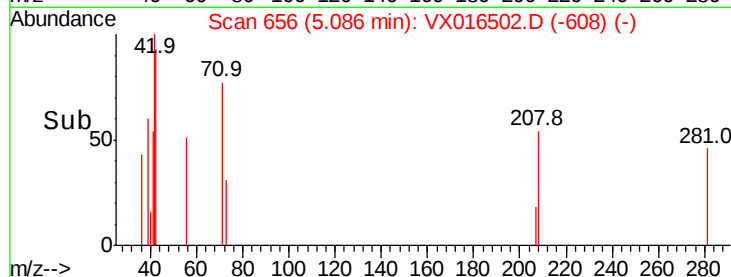
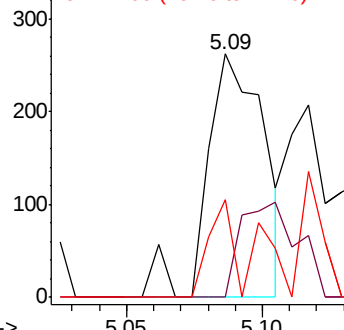
71 16.4 34.1 51.1#



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



#31

Cyclohexane

Concen: 1.098 ug/l

RT: 5.61 min Scan# 742

Delta R.T. 0.06 min

Lab File: VX016502.D

Acq: 29 May 2020 11:40

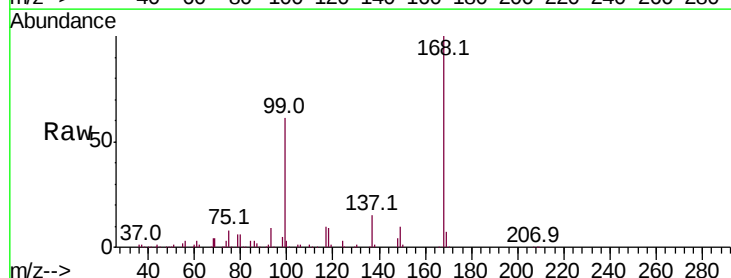
Tgt Ion: 56 Resp: 5774

Ion Ratio Lower Upper

56 100

69 154.8 25.7 38.5#

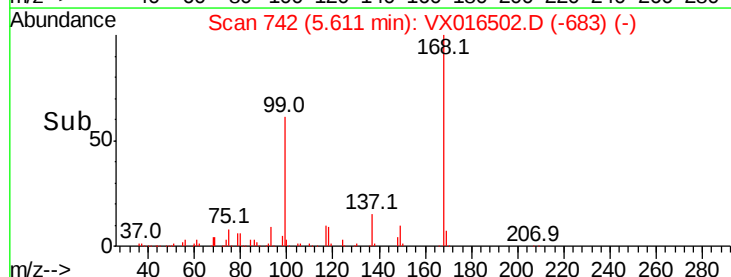
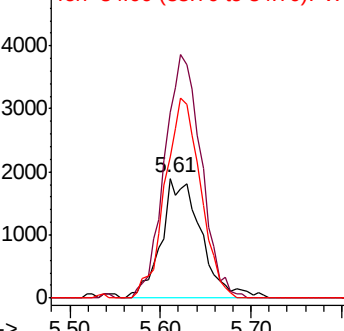
84 118.1 70.0 105.0#

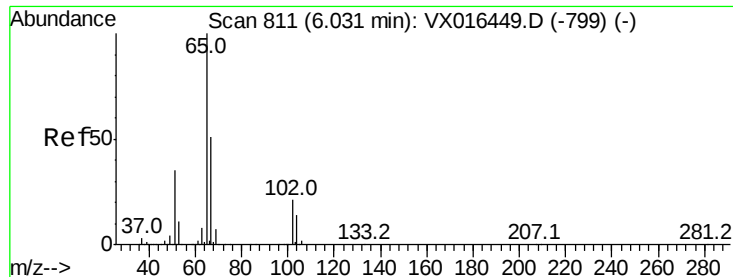


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 46.955 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX016502.D

Acq: 29 May 2020 11:40

Instrument :

MSVOA_X

ClientSampleId :

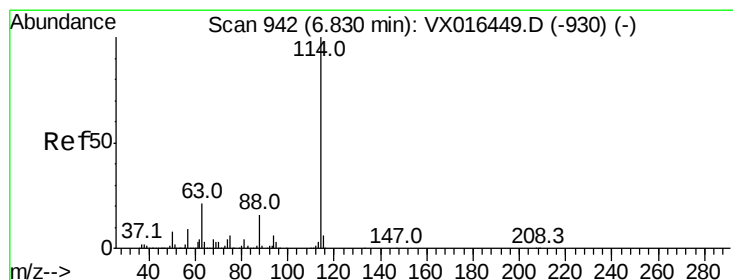
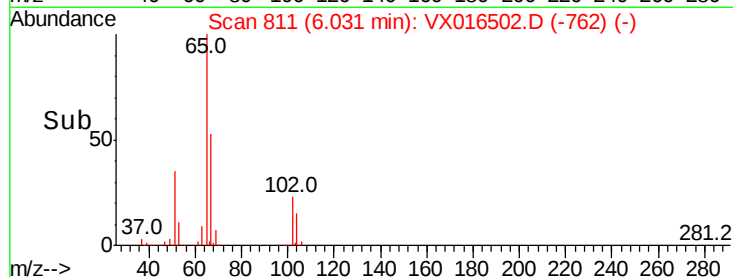
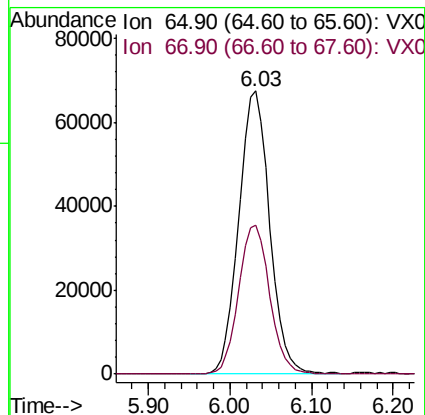
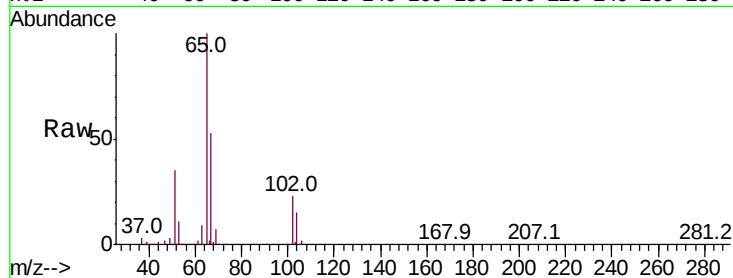
VX0529WBL01

Tot Ion: 65 Resp: 177690

Ion Ratio Lower Upper

65 100

67 52.7 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX016502.D

Acq: 29 May 2020 11:40

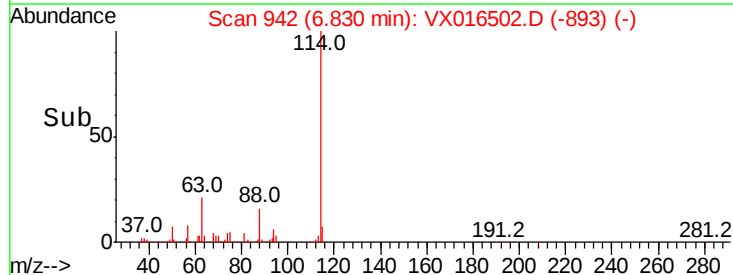
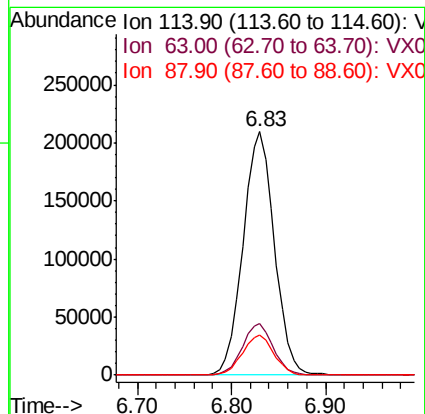
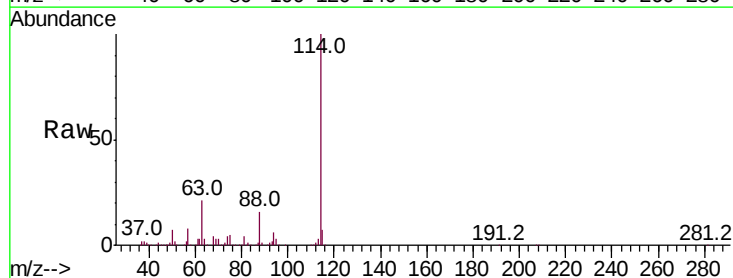
Tgt Ion: 114 Resp: 487446

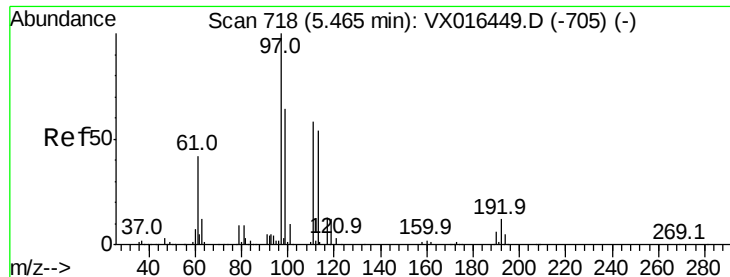
Ion Ratio Lower Upper

114 100

63 21.0 0.0 42.6

88 16.3 0.0 32.8





#35

Dibromofluoromethane

Concen: 47.585 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX016502.D

Acq: 29 May 2020 11:40

Instrument :

MSVOA_X

ClientSampleId :

VX0529WBL01

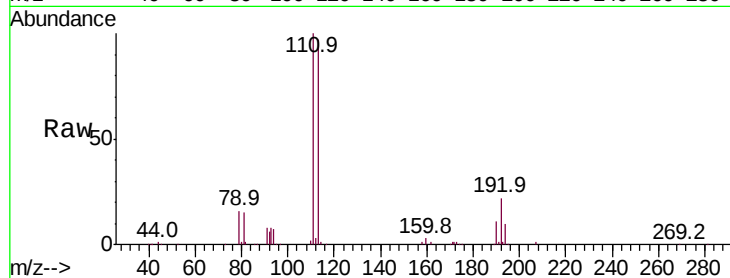
Tot Ion:113 Resp: 142823

Ion Ratio Lower Upper

113 100

111 101.3 83.0 124.6

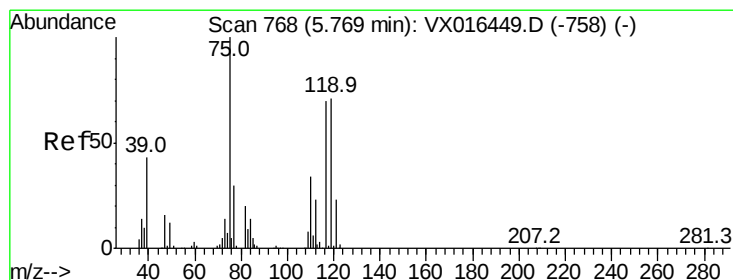
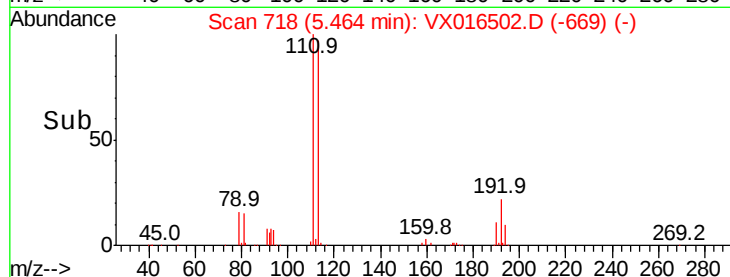
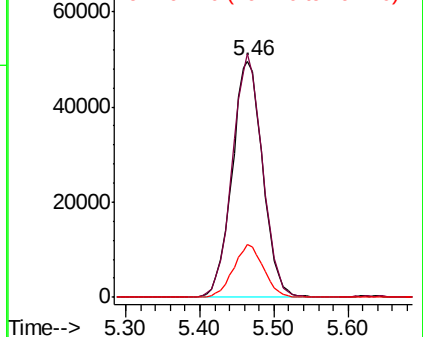
192 22.0 17.7 26.5



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: 4.822 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.15 min

Lab File: VX016502.D

Acq: 29 May 2020 11:40

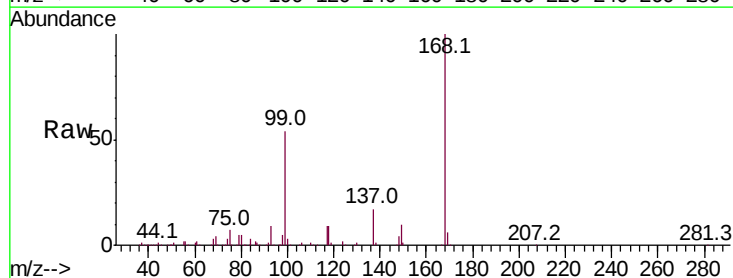
Tgt Ion: 75 Resp: 22255

Ion Ratio Lower Upper

75 100

110 8.9 17.4 52.3#

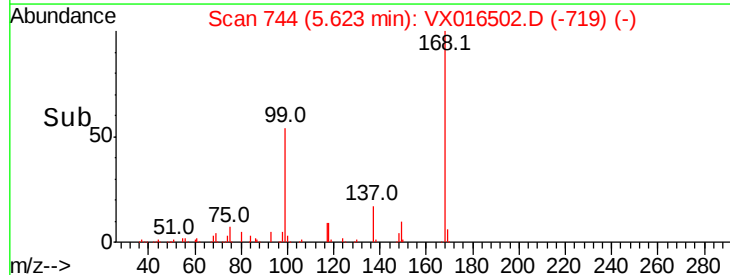
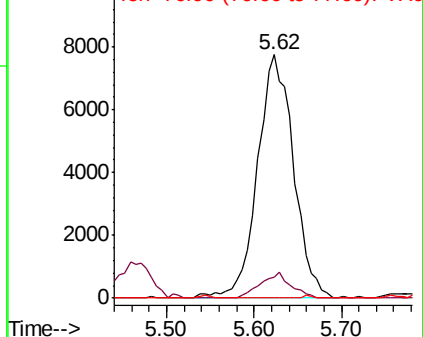
77 0.0 24.2 36.4#

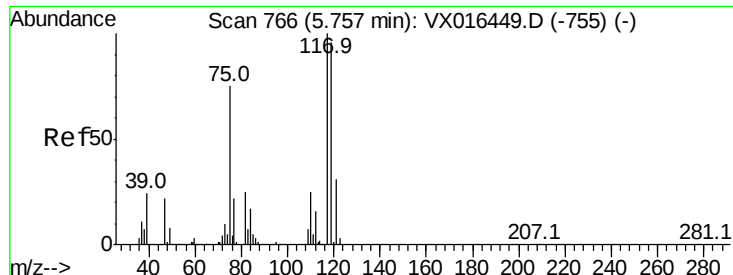


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.879 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016502.D

Acq: 29 May 2020 11:40

Instrument :

MSVOA_X

ClientSampled :

VX0529WBL01

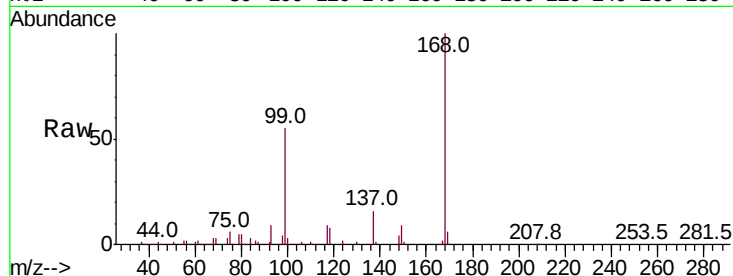
Tot Ion:117 Resp: 28516

Ion Ratio Lower Upper

117 100

119 4.2 76.3 114.5#

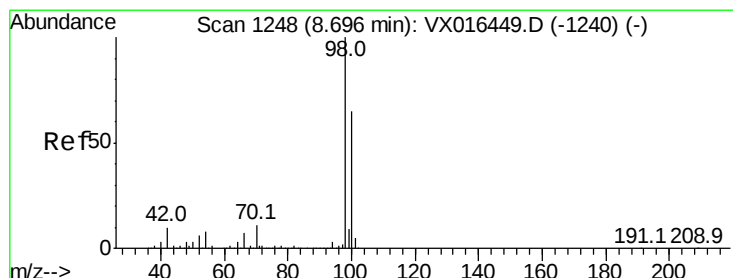
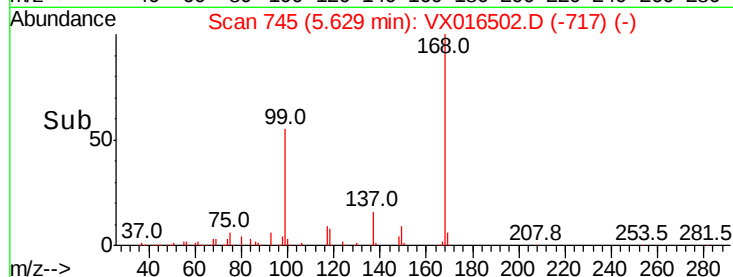
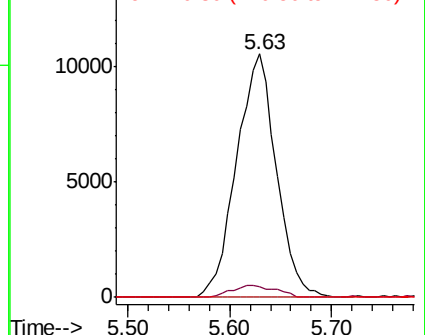
121 0.0 24.6 37.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 51.651 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016502.D

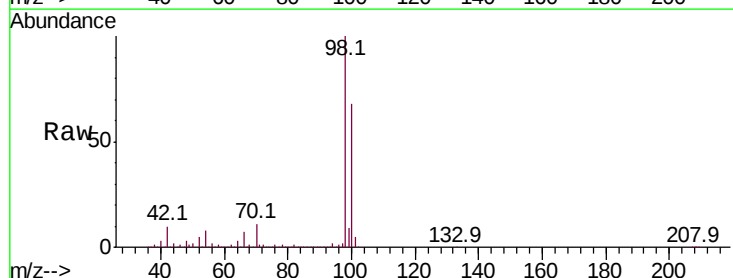
Acq: 29 May 2020 11:40

Tgt Ion: 98 Resp: 603392

Ion Ratio Lower Upper

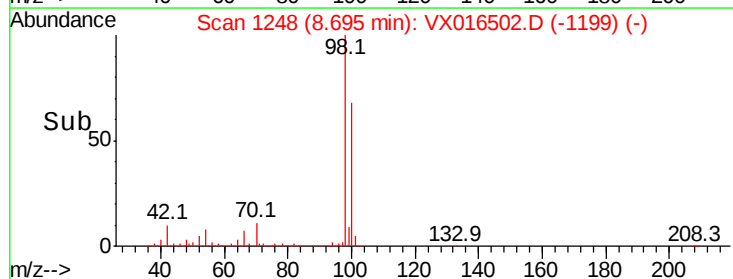
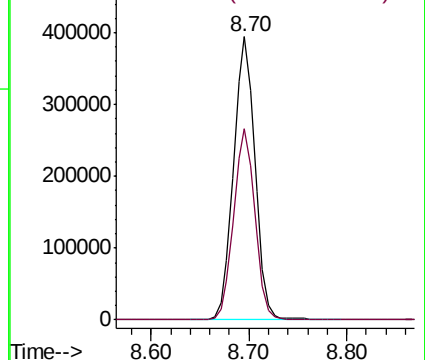
98 100

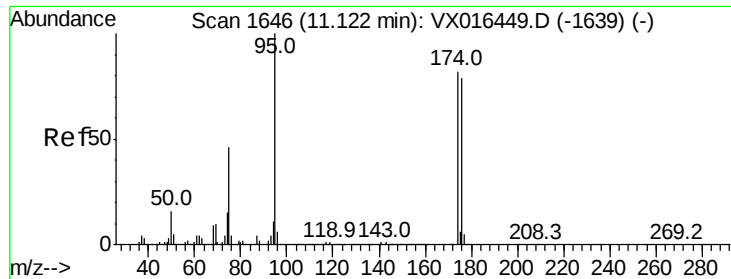
100 66.9 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 51.190 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016502.D

Acq: 29 May 2020 11:40

Instrument :

MSVOA_X

ClientSampleId :

VX0529WBL01

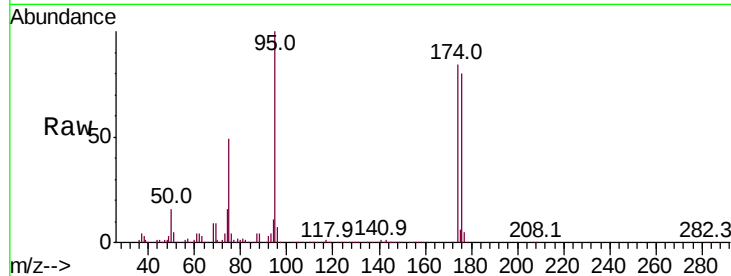
Tot Ion: 95 Resp: 231070

Ion Ratio Lower Upper

95 100

174 81.9 0.0 163.0

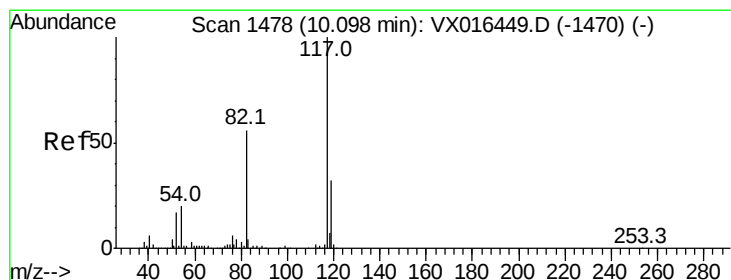
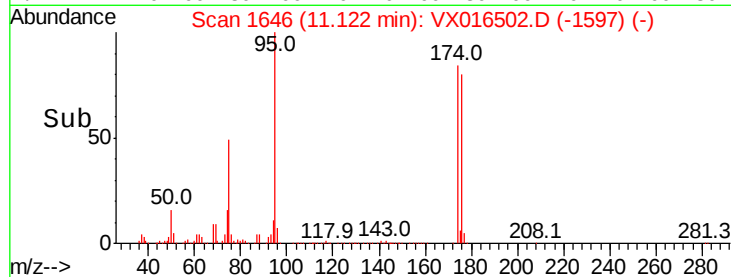
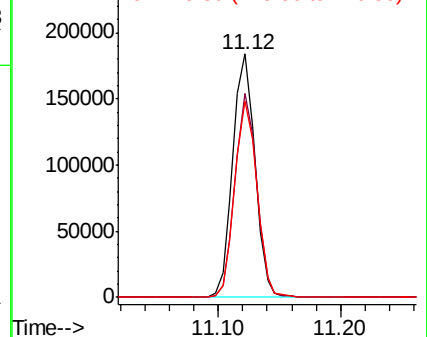
176 80.1 0.0 156.8



Abundance Ion 94.90 (94.60 to 95.60): VX016449.D (-1639) (-)

Ion 173.80 (173.50 to 174.50): VX016449.D (-1639) (-)

Ion 175.80 (175.50 to 176.50): VX016449.D (-1639) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016502.D

Acq: 29 May 2020 11:40

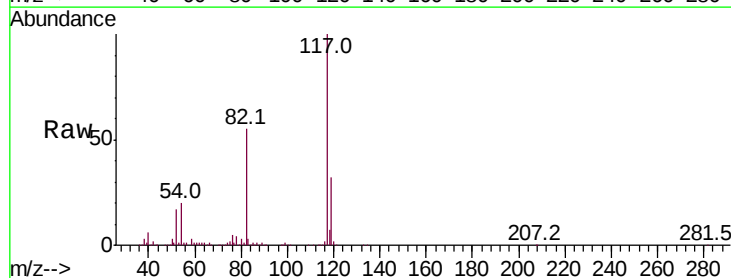
Tgt Ion: 117 Resp: 471050

Ion Ratio Lower Upper

117 100

82 55.0 45.0 67.6

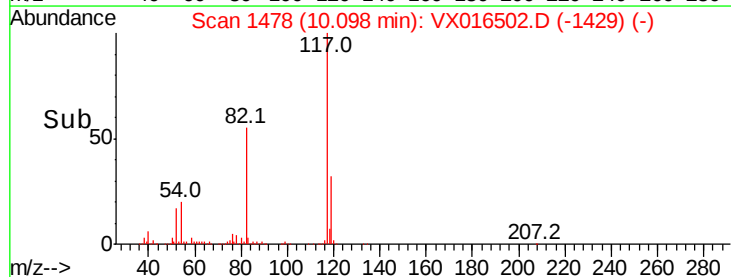
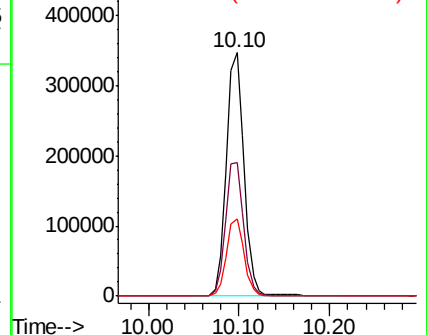
119 31.7 25.8 38.8

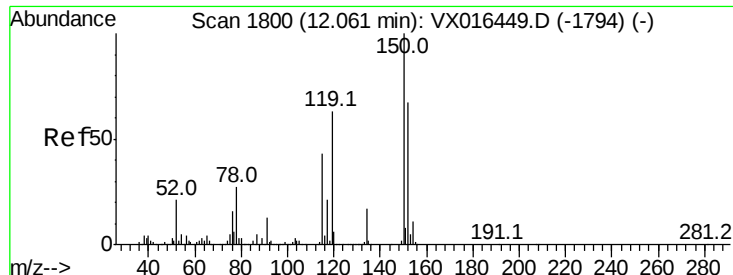


Abundance Ion 116.90 (116.60 to 117.60): VX016449.D (-1470) (-)

Ion 82.00 (81.70 to 82.70): VX016449.D (-1470) (-)

Ion 118.90 (118.60 to 119.60): VX016449.D (-1470) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016502.D

Acq: 29 May 2020 11:40

Instrument :

MSVOA_X

ClientSampleId :

VX0529WBL01

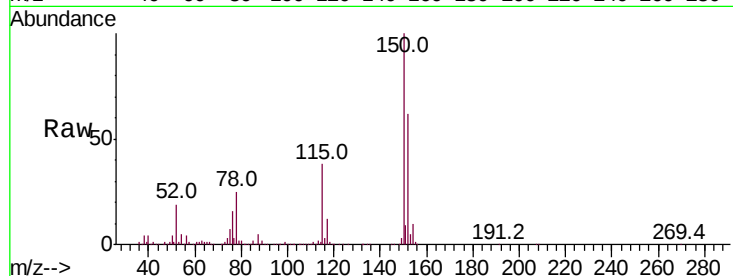
Tot Ion:152 Resp: 216113

Ion Ratio Lower Upper

152 100

115 59.8 39.9 119.6

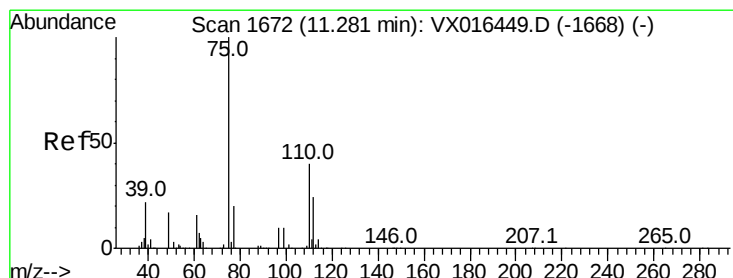
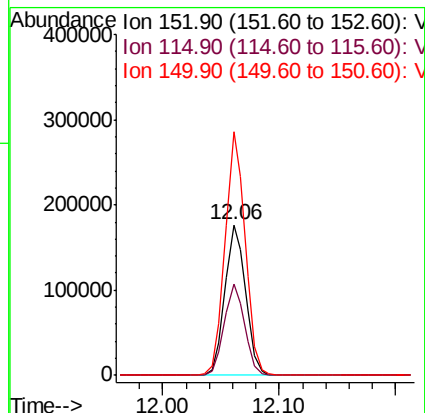
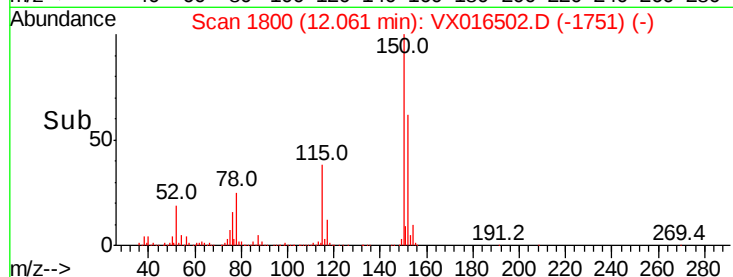
150 157.2 0.0 341.0



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: 23.703 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016502.D

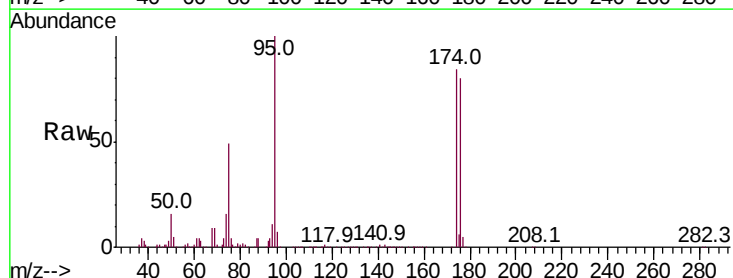
Acq: 29 May 2020 11:40

Tgt Ion: 75 Resp: 112598

Ion Ratio Lower Upper

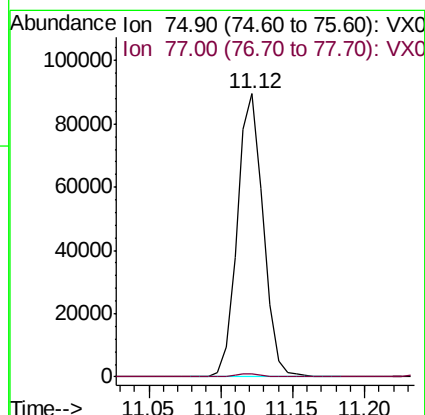
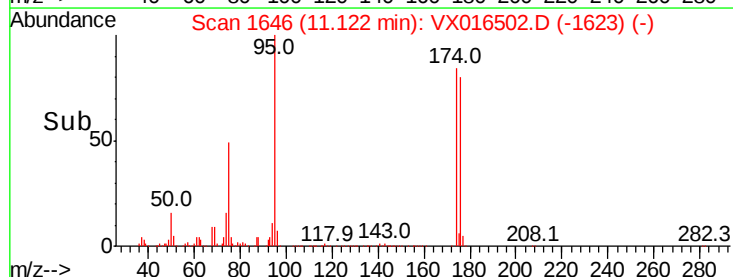
75 100

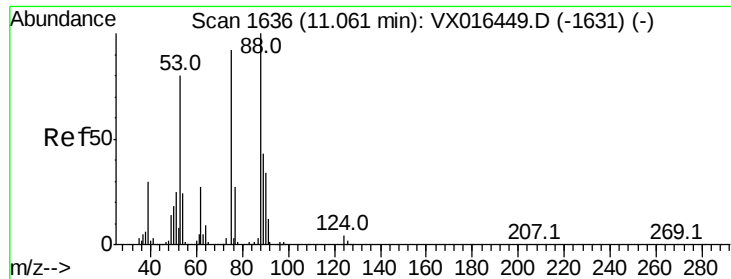
77 1.3 21.3 63.7#



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: 58.307 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016502.D

Acq: 29 May 2020 11:40

Instrument :

MSVOA_X

ClientSampleId :

VX0529WBL01

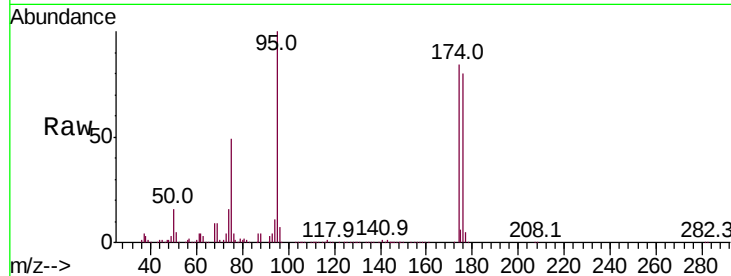
Tot Ion: 75 Resp: 112598

Ion Ratio Lower Upper

75 100

53 0.0 71.3 106.9#

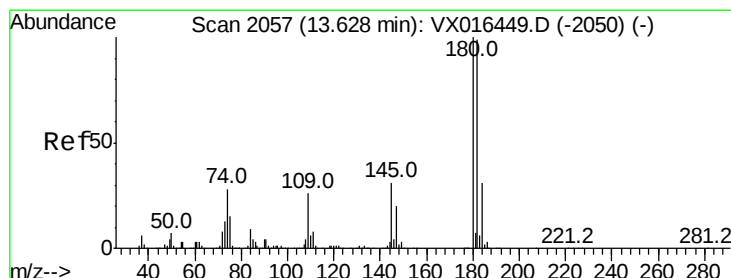
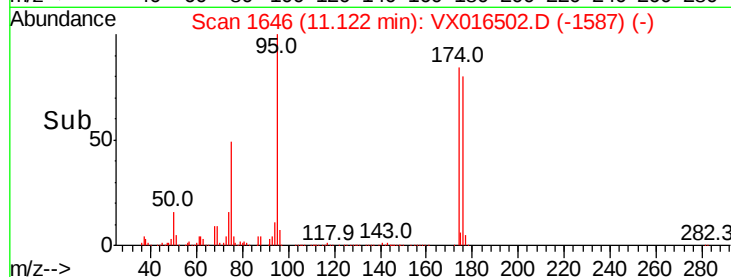
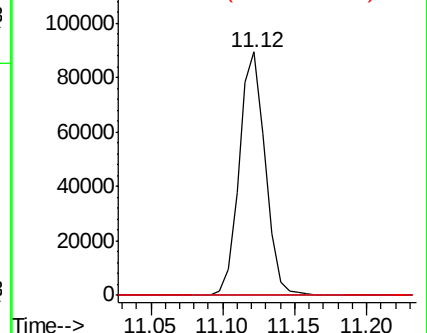
89 0.0 36.6 55.0#



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



#93

1,2,4-Trichlorobenzene

Concen: 0.311 ug/l

RT: 13.63 min Scan# 2058

Delta R.T. 0.01 min

Lab File: VX016502.D

Acq: 29 May 2020 11:40

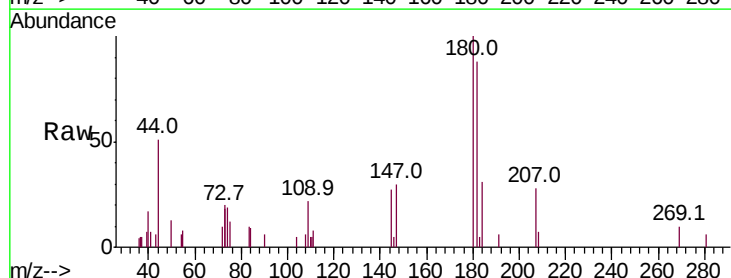
Tgt Ion: 180 Resp: 1361

Ion Ratio Lower Upper

180 100

182 103.0 48.3 144.8

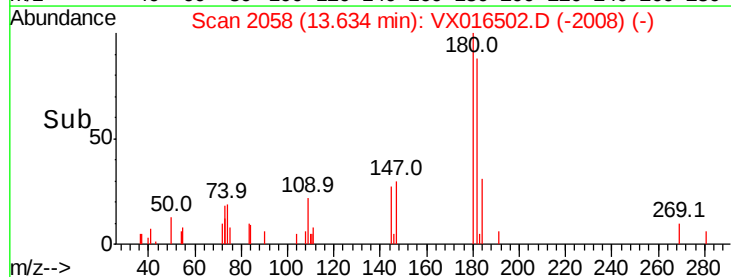
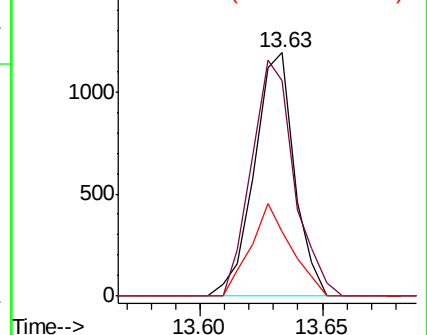
145 38.3 15.4 46.2

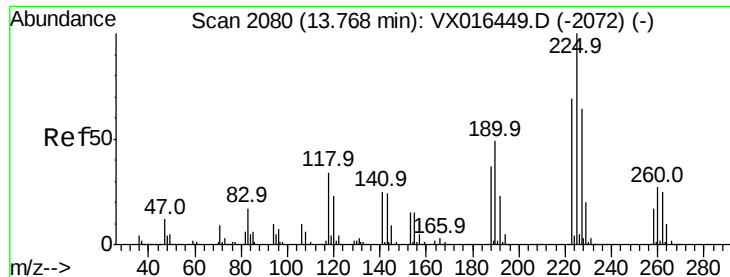


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 0.581 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX016502.D

Acq: 29 May 2020 11:40

Instrument :

MSVOA_X

ClientSampleId :

VX0529WBL01

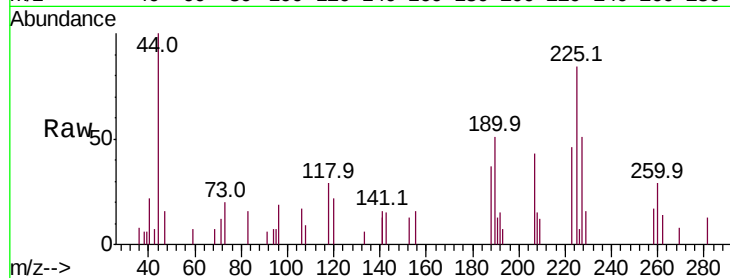
Tot Ion:225 Resp: 998

Ion Ratio Lower Upper

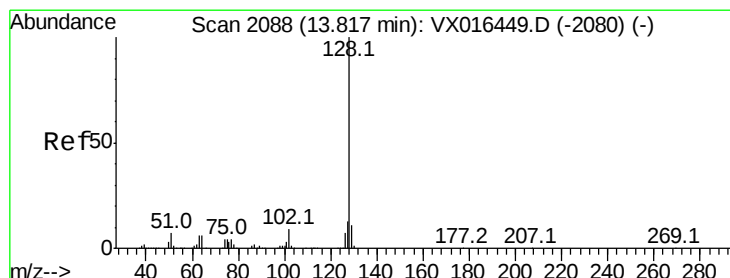
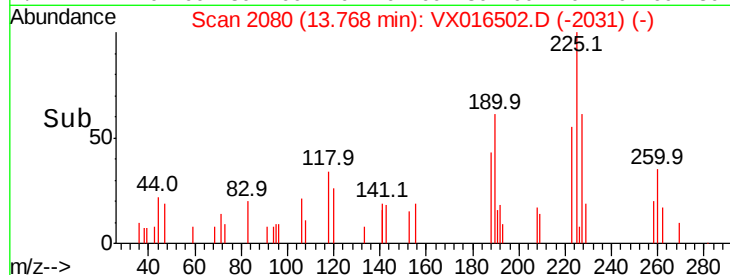
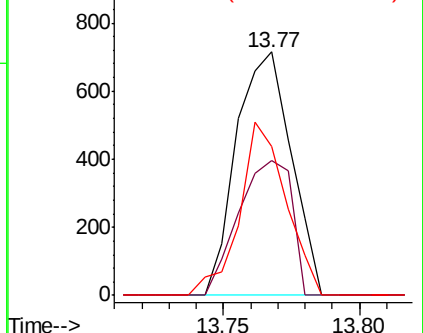
225 100

223 53.9 32.3 96.8

227 60.3 31.6 94.7



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



#95

Naphthalene

Concen: 0.229 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX016502.D

Acq: 29 May 2020 11:40

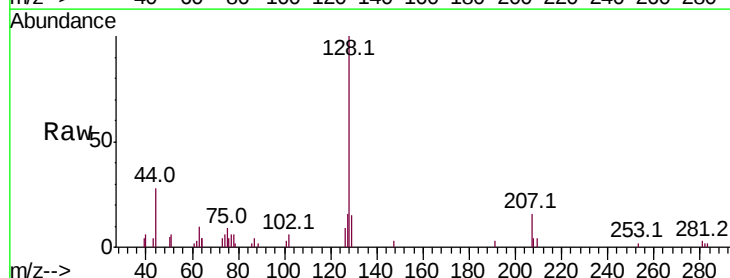
Tgt Ion:128 Resp: 3436

Ion Ratio Lower Upper

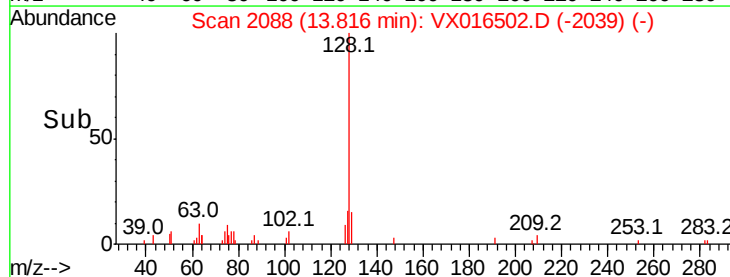
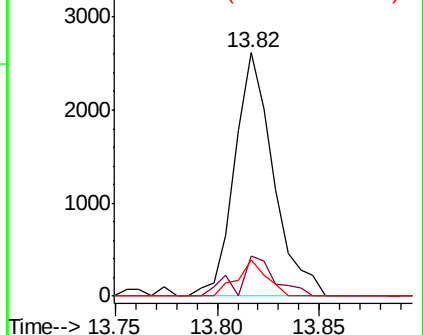
128 100

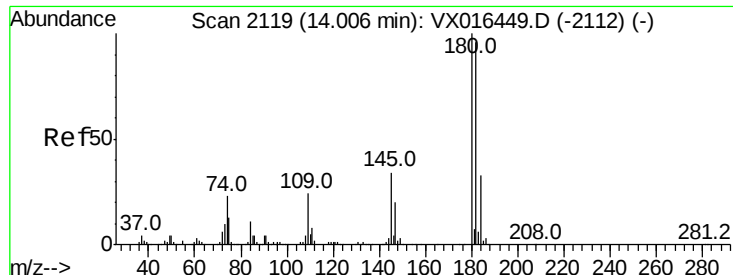
127 15.3 10.6 15.8

129 11.2 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





#96

1,2,3-Trichlorobenzene

Concen: 0.358 ug/l

RT: 14.01 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VX016502.D

Acq: 29 May 2020 11:40

Instrument :

MSVOA_X

ClientSampleId :

VX0529WBL01

Tot Ion:180 Resp: 1535

Ion Ratio Lower Upper

180 100

182 89.1 48.6 145.8

145 30.2 16.6 49.8

