

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061820\
 Data File : VX016848.D
 Acq On : 18 Jun 2020 19:45
 Operator : JC/SP
 Sample : VX0618WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0618WBL01

Quant Time: Jun 19 03:01:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061820W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 18 15:20:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	255033	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	450899	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	508669	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	218744	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	167406	54.58	ug/l	0.00
Spiked Amount			Recovery	=	109.16%	
35) Dibromofluoromethane	5.47	113	125870	43.64	ug/l	0.00
Spiked Amount			Recovery	=	87.28%	
50) Toluene-d8	8.70	98	573538	49.70	ug/l	0.00
Spiked Amount			Recovery	=	99.40%	
62) 4-Bromofluorobenzene	11.12	95	208195	47.09	ug/l	0.00
Spiked Amount			Recovery	=	94.18%	

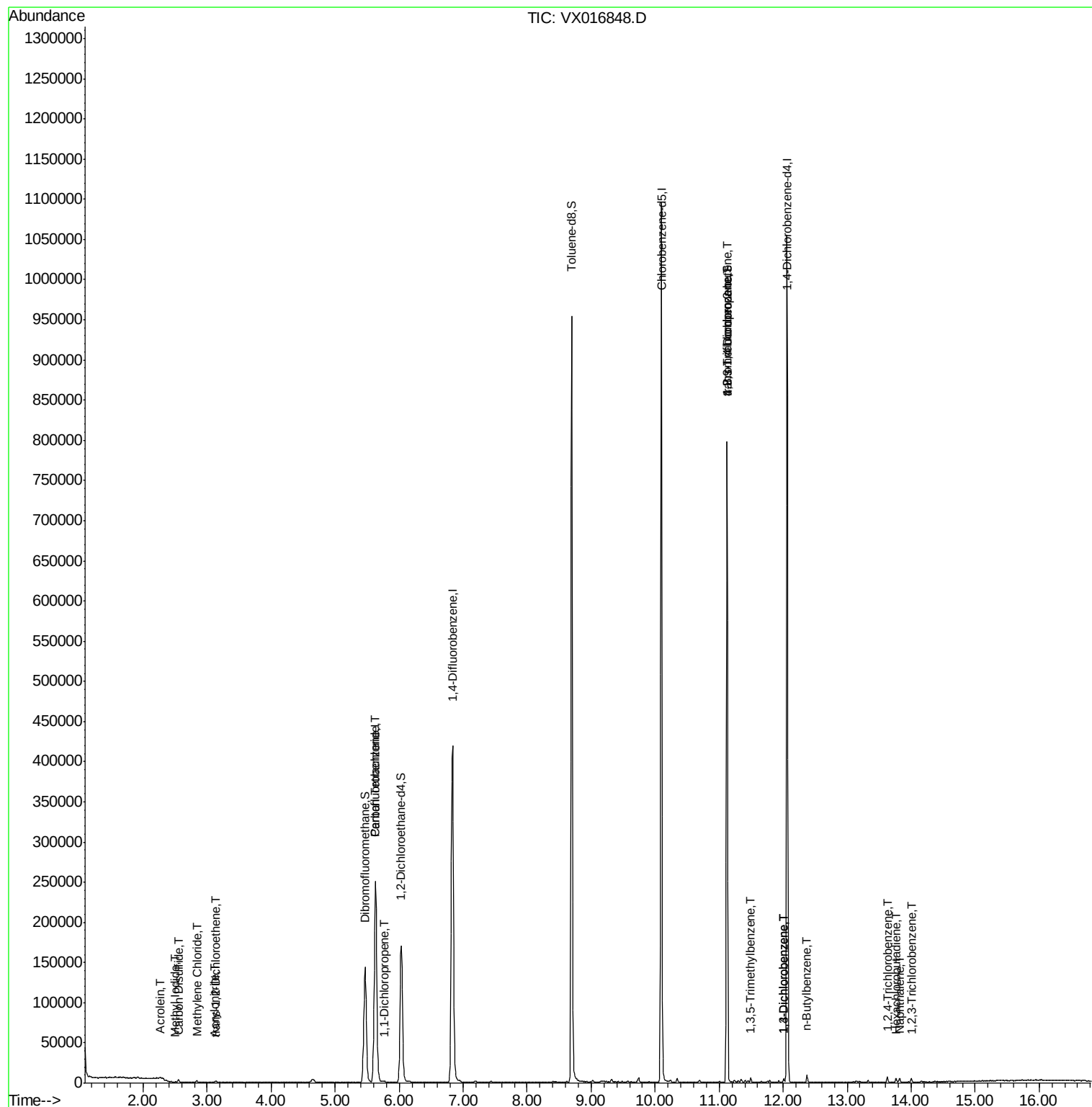
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	415	Below Cal		83
5) Bromomethane	1.64	94	485	Below Cal		97
10) Methyl Iodide	2.50	142	590	0.233	ug/l #	84
13) Acrolein	2.26	56	588	1.870	ug/l #	13
15) Acrylonitrile	3.12	53	650	0.547	ug/l #	28
16) Acetone	2.42	43	535	Below Cal	#	83
17) Carbon Disulfide	2.55	76	3624	0.515	ug/l	98
20) Methylene Chloride	2.83	84	854	0.320	ug/l #	93
21) trans-1,2-Dichloroethene	3.14	96	544	0.211	ug/l	94
36) 1,1-Dichloropropene	5.77	75	895	0.215	ug/l #	66
38) Carbon Tetrachloride	5.63	117	23791	5.093	ug/l #	14
58) 2-Chloroethyl Vinyl ether	8.29	63	355	Below Cal	#	62
59) 2-Hexanone	9.49	43	446	Below Cal		76
73) Isopropylbenzene	11.01	105	841	Below Cal		96
76) 1,2,3-Trichloropropane	11.12	75	99499	24.820	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.49	105	1119	0.294	ug/l	88
81) trans-1,4-Dichloro-2-buten	11.12	75	99499	60.991	ug/l #	14
87) 1,3-Dichlorobenzene	12.01	146	1684	0.240	ug/l	95
88) 1,4-Dichlorobenzene	12.01	146	1684	0.237	ug/l	94
89) n-Butylbenzene	12.37	91	2562	3.209	ug/l	97
93) 1,2,4-Trichlorobenzene	13.63	180	1864	0.410	ug/l	96
94) Hexachlorobutadiene	13.77	225	887	0.432	ug/l	96
95) Naphthalene	13.82	128	2946	0.221	ug/l #	90
96) 1,2,3-Trichlorobenzene	14.01	180	1387	0.306	ug/l	95

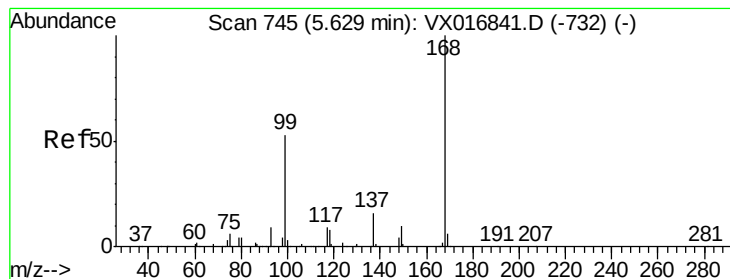
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : VX0618WBL01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampled :
VX0618WBL01

Quant Time: Jun 19 03:01:16 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061820W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 18 15:20:47 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: VX016848.D

Acq: 18 Jun 2020 19:45

Instrument :

MSVOA_X

ClientSampled :

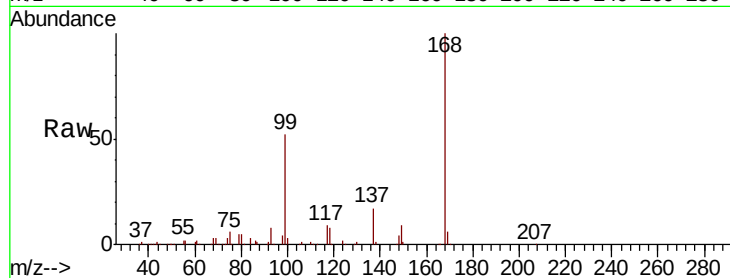
VX0618WBL01

Tot Ion:168 Resp: 255033

Ion Ratio Lower Upper

168 100

99 52.1 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

100000

80000

60000

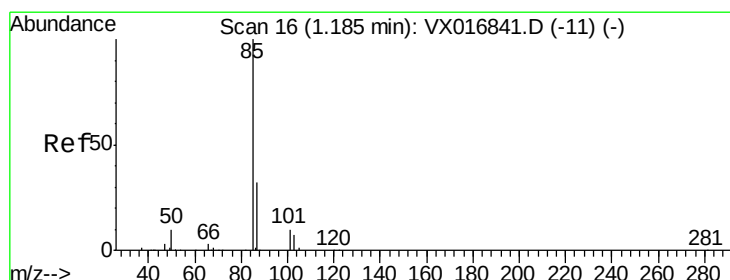
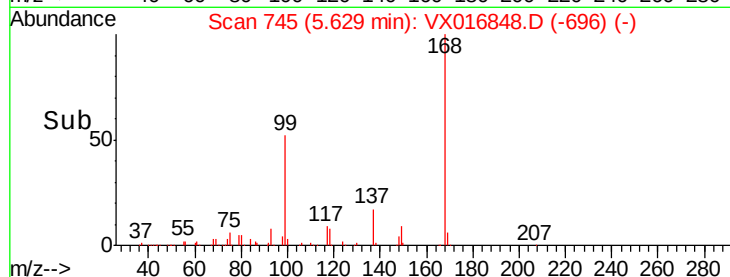
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX016848.D

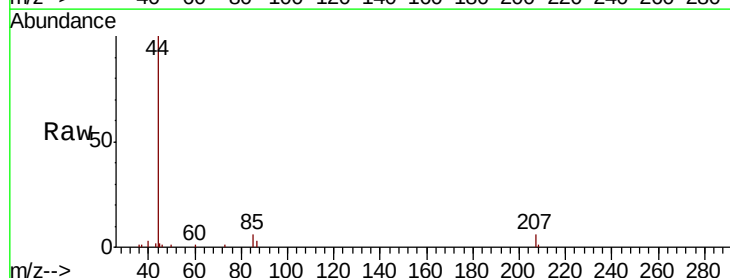
Acq: 18 Jun 2020 19:45

Tgt Ion: 85 Resp: 415

Ion Ratio Lower Upper

85 100

87 41.4 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

400

300

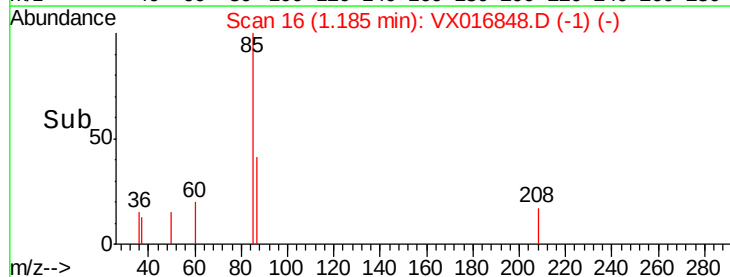
200

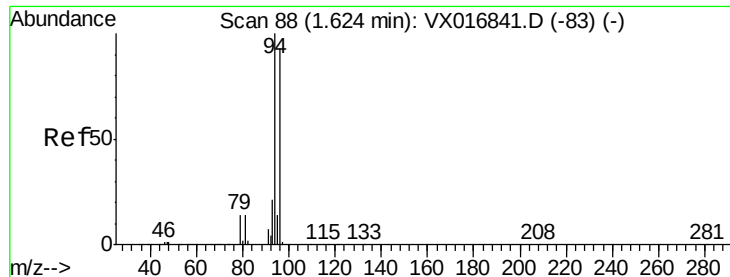
100

0

Time-->

1.16 1.18 1.20 1.22





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX016848.D

Acq: 18 Jun 2020 19:45

Instrument :

MSVOA_X

ClientSampleId :

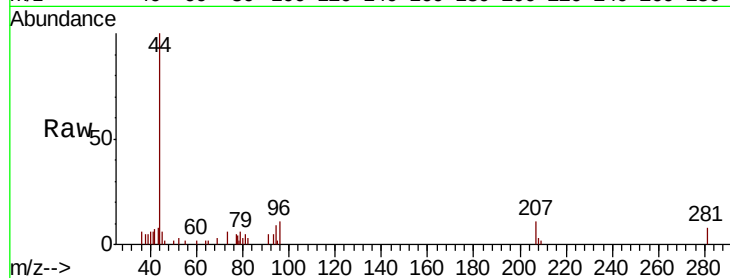
VX0618WBL01

Tot Ion: 94 Resp: 485

Ion Ratio Lower Upper

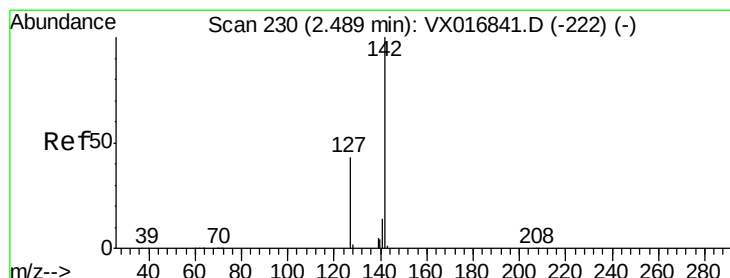
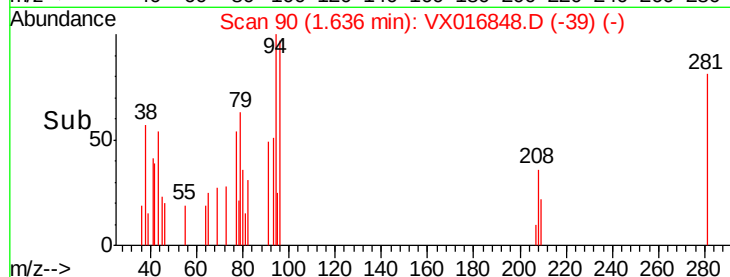
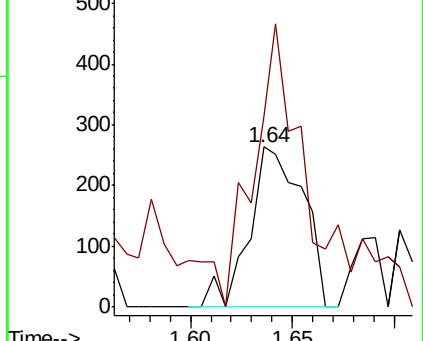
94 100

96 89.8 74.4 111.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 0.233 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX016848.D

Acq: 18 Jun 2020 19:45

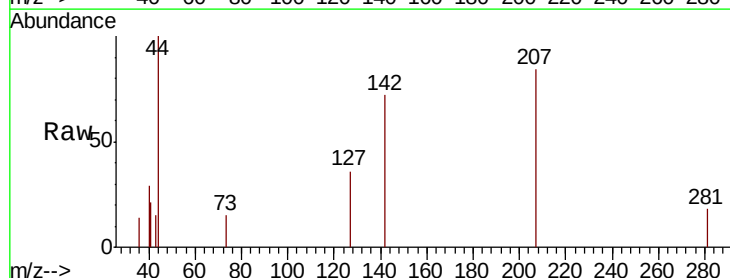
Tgt Ion: 142 Resp: 590

Ion Ratio Lower Upper

142 100

127 37.6 35.1 52.7

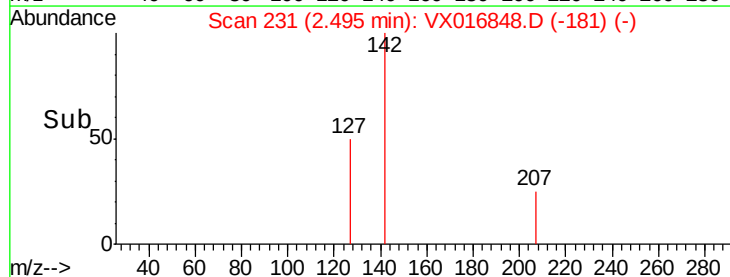
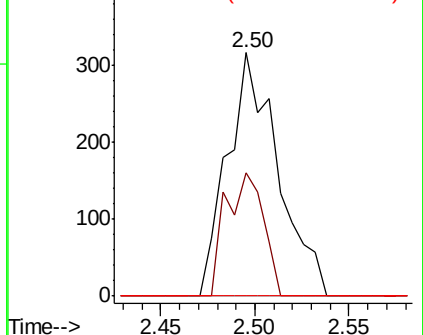
141 0.0 11.6 17.4#

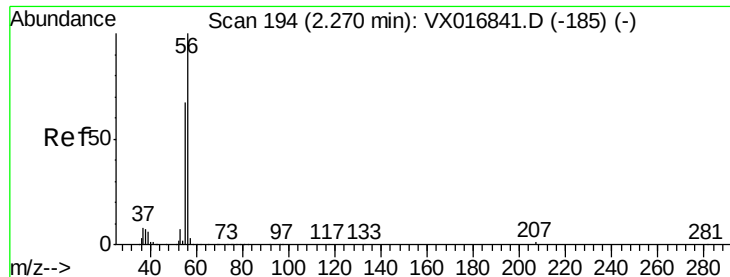


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#13

Acrolein

Concen: 1.870 ug/l

RT: 2.26 min Scan# 193

Delta R.T. -0.01 min

Lab File: VX016848.D

Acq: 18 Jun 2020 19:45

Instrument :

MSVOA_X

ClientSampled :

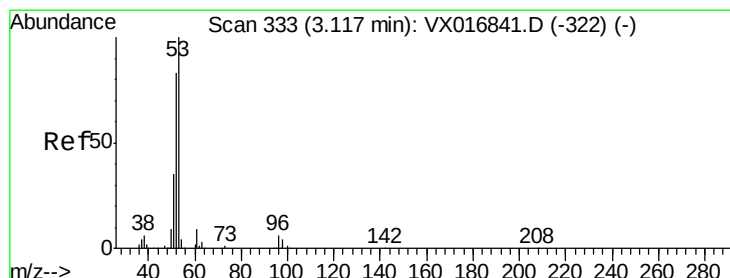
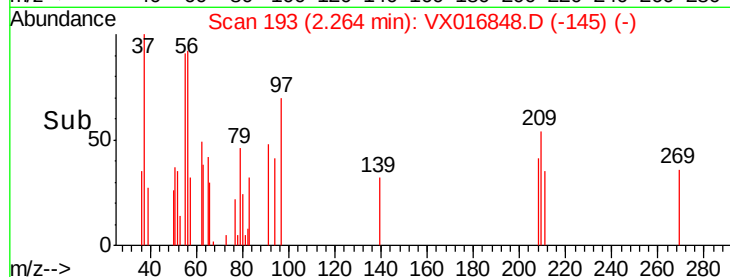
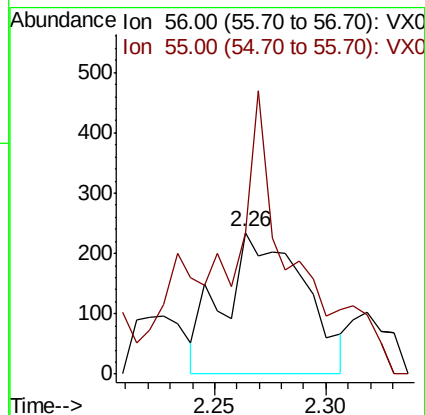
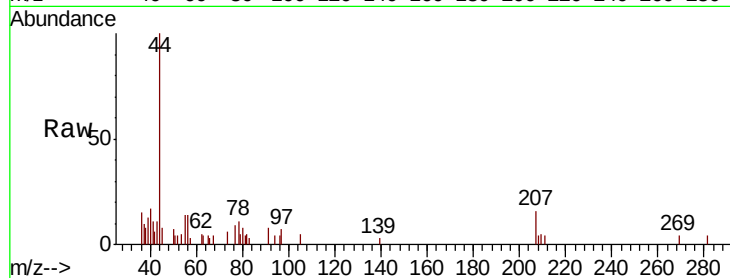
VX0618WBL01

Tot Ion: 56 Resp: 588

Ion Ratio Lower Upper

56 100

55 140.6 55.7 83.5#



#15

Acrylonitrile

Concen: 0.547 ug/l

RT: 3.12 min Scan# 333

Delta R.T. -0.00 min

Lab File: VX016848.D

Acq: 18 Jun 2020 19:45

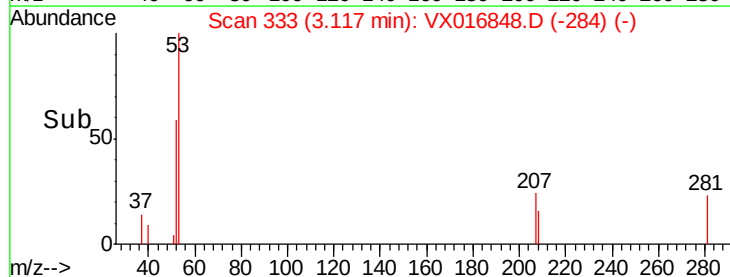
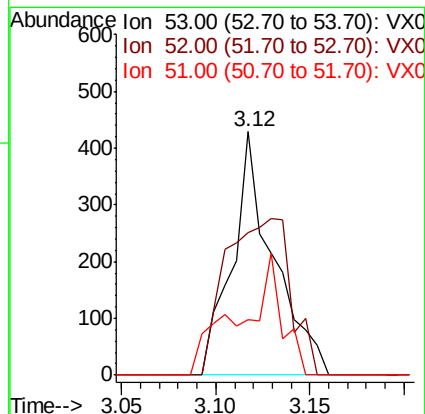
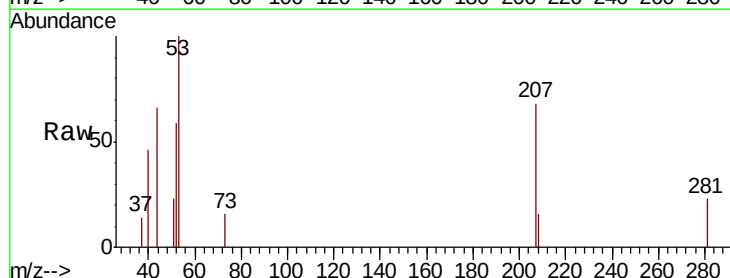
Tgt Ion: 53 Resp: 650

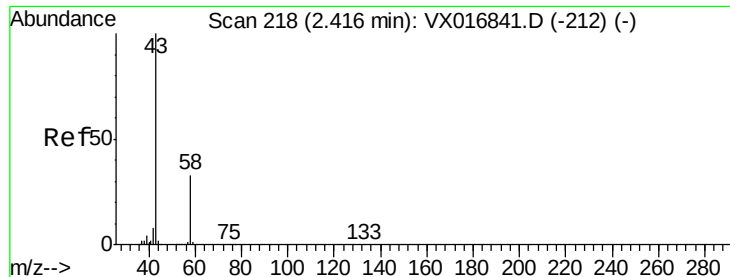
Ion Ratio Lower Upper

53 100

52 0.0 66.2 99.2#

51 20.2 28.7 43.1#





#16

Acetone

Concen: Below Cal

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

Lab File: VX016848.D

Acq: 18 Jun 2020 19:45

Instrument :

MSVOA_X

ClientSampleId :

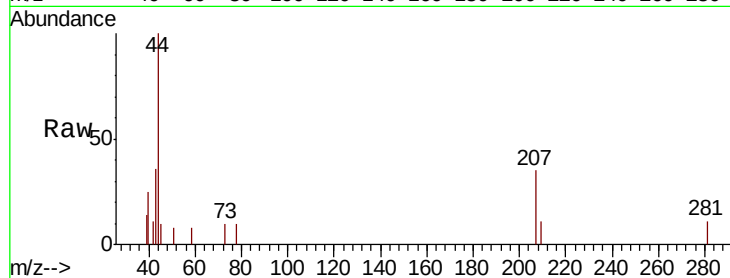
VX0618WBL01

Tot Ion: 43 Resp: 535

Ion Ratio Lower Upper

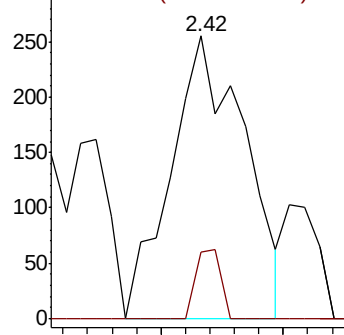
43 100

58 23.5 26.6 39.8#

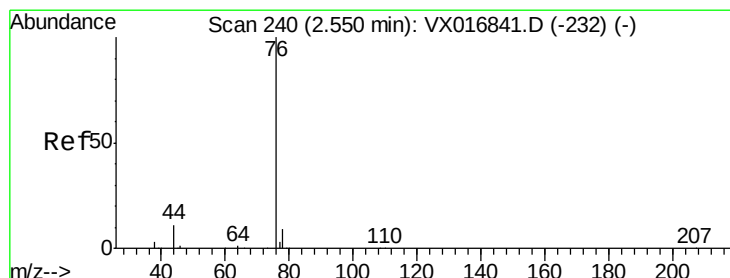
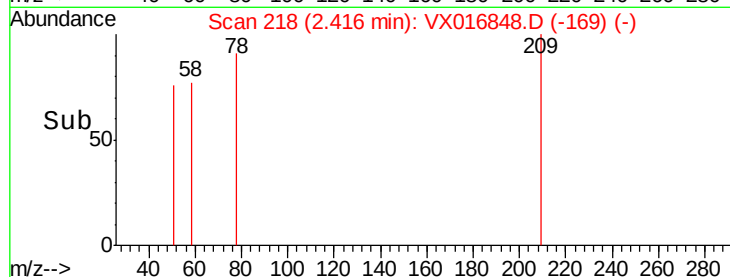


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#17

Carbon Disulfide

Concen: 0.515 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX016848.D

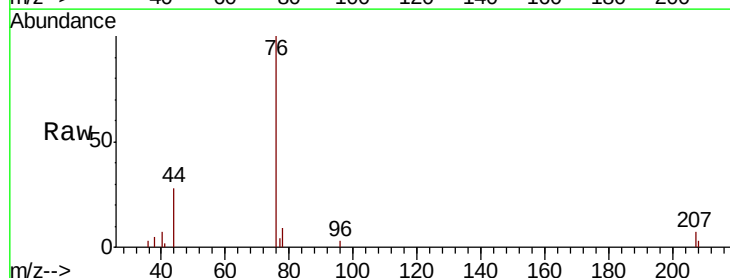
Acq: 18 Jun 2020 19:45

Tgt Ion: 76 Resp: 3624

Ion Ratio Lower Upper

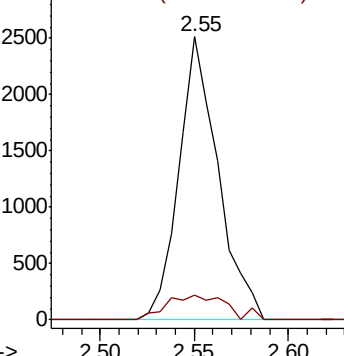
76 100

78 8.8 7.5 11.3

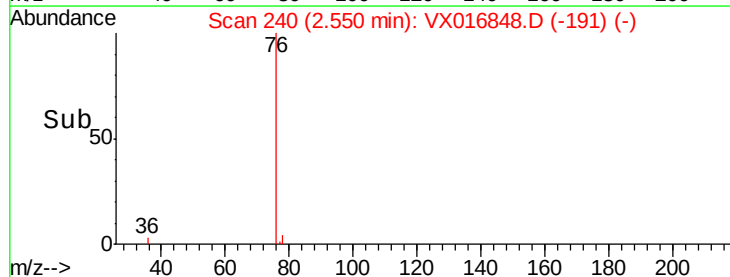


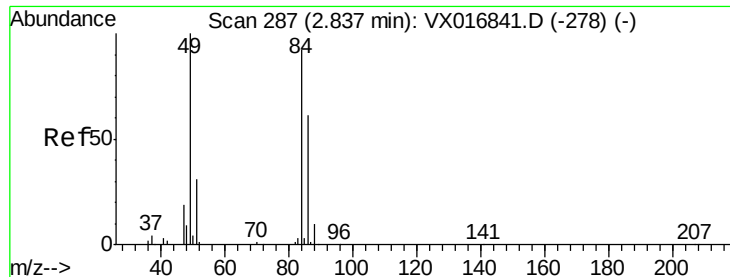
Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



Time-->

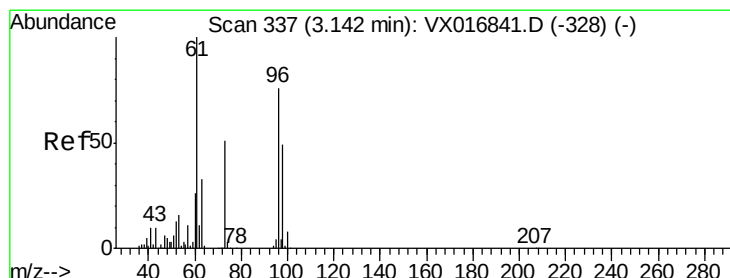
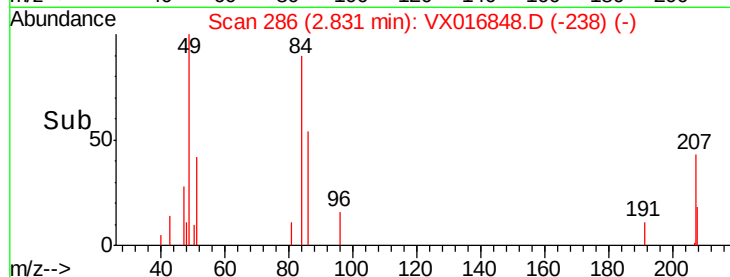
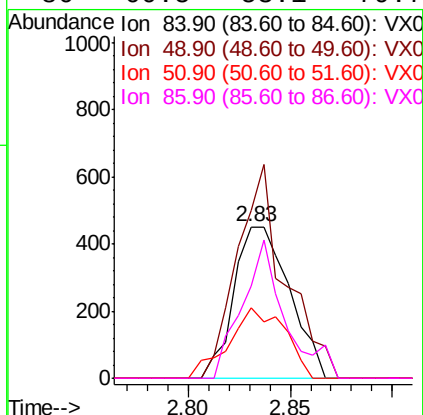
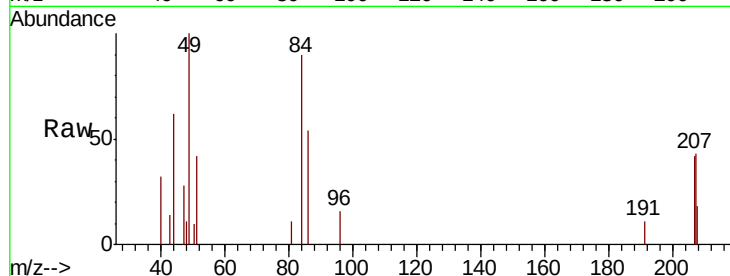




#20
Methylene Chloride
Concen: 0.320 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX016848.D
Acq: 18 Jun 2020 19:45

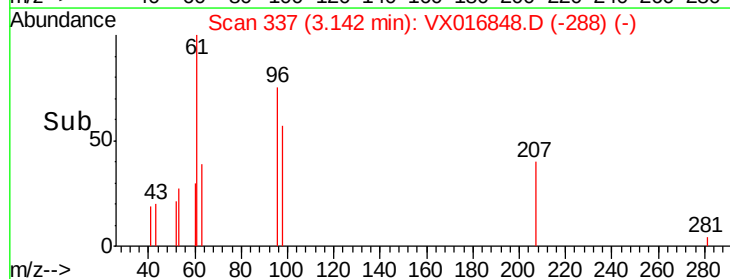
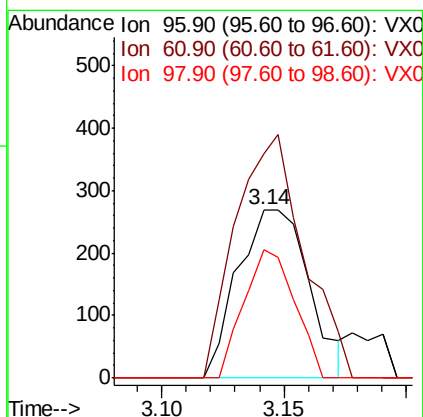
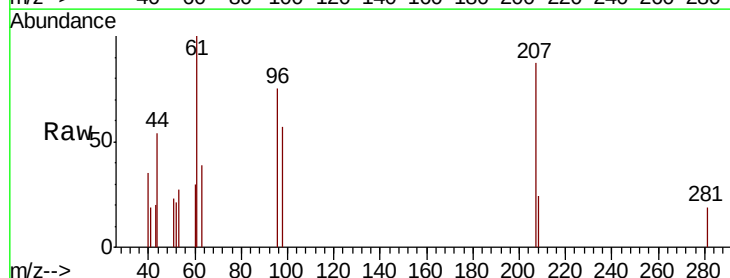
Instrument :
MSVOA_X
ClientSampleId :
VX0618WBL01

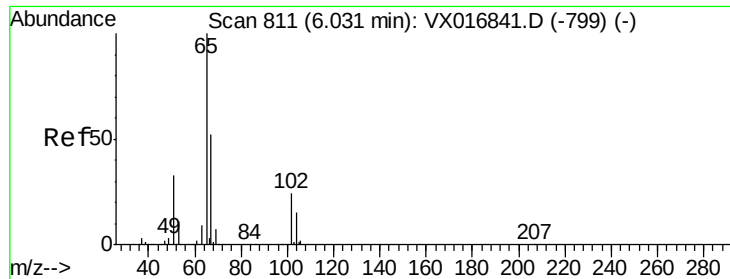
Tot Ion:	84	Resp:	854
Ion	Ratio	Lower	Upper
84	100		
49	111.1	86.6	129.8
51	46.8	27.1	40.7#
86	60.5	53.1	79.7



#21
trans-1,2-Dichloroethene
Concen: 0.211 ug/l
RT: 3.14 min Scan# 337
Delta R.T. -0.00 min
Lab File: VX016848.D
Acq: 18 Jun 2020 19:45

Tgt Ion:	96	Resp:	544
Ion	Ratio	Lower	Upper
96	100		
61	133.3	105.4	158.0
98	75.9	51.3	76.9

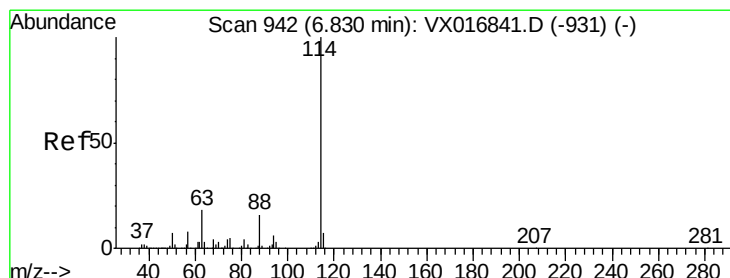
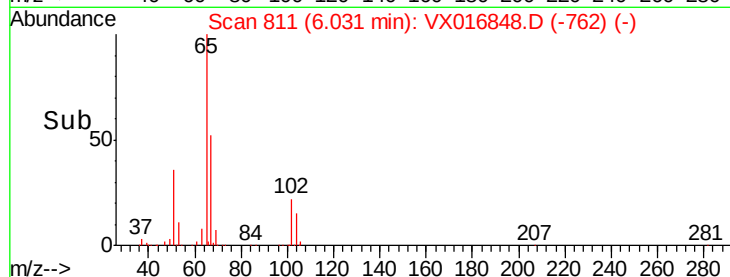
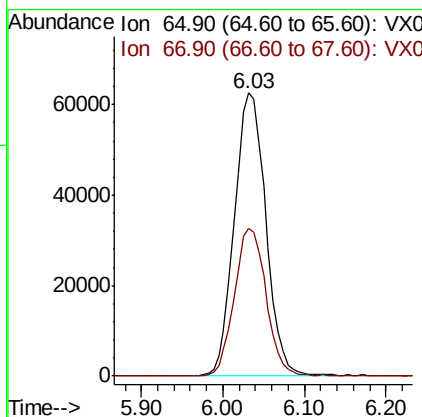
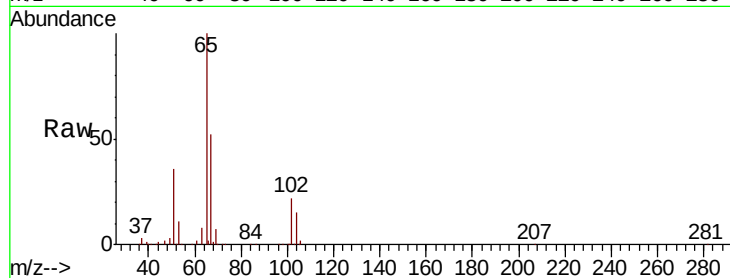




#33
 1,2-Dichloroethane-d4
 Concen: 54.579 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX016848.D
 Acq: 18 Jun 2020 19:45

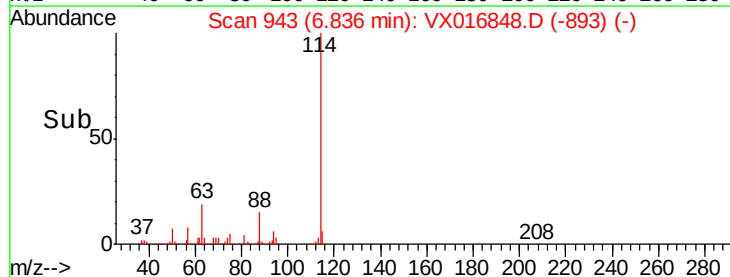
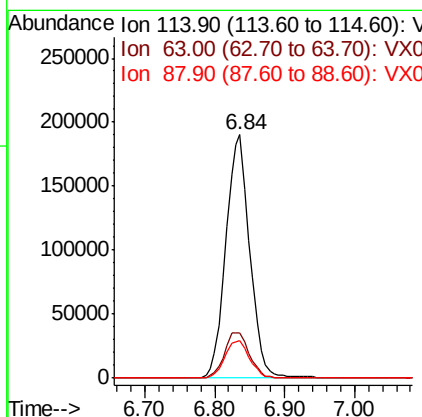
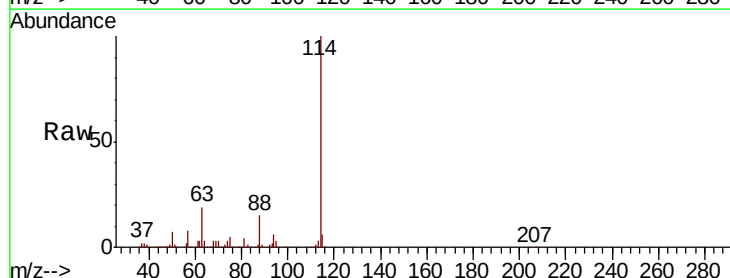
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0618WBL01

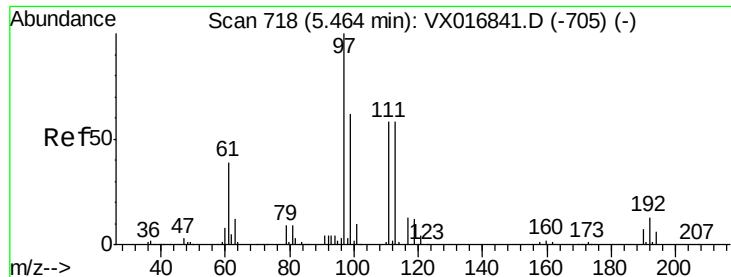
Tot Ion: 65 Resp: 167406
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 943
 Delta R.T. 0.01 min
 Lab File: VX016848.D
 Acq: 18 Jun 2020 19:45

Tgt Ion: 114 Resp: 450899
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 37.0
 88 15.5 0.0 32.0

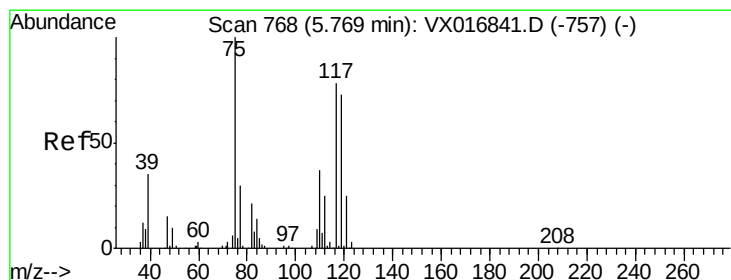
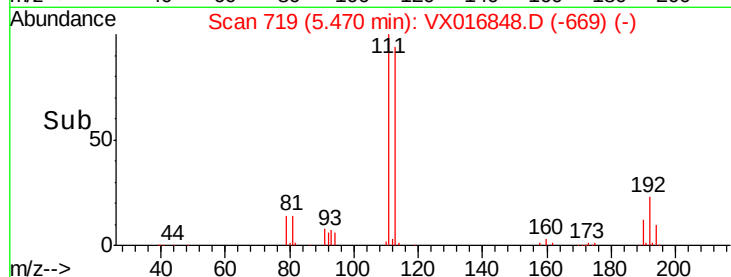
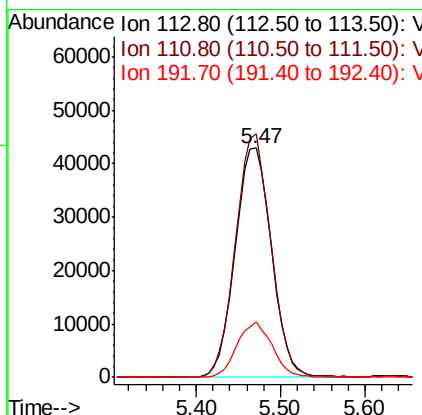
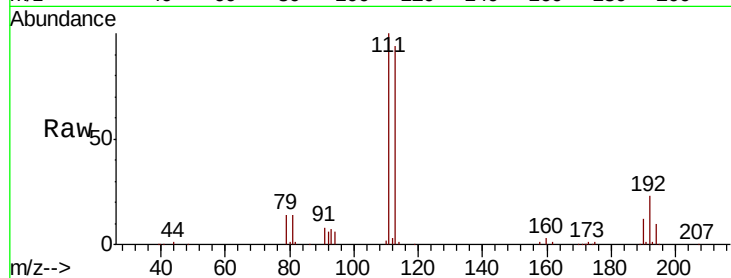




#35
 Dibromofluoromethane
 Concen: 43.638 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. 0.01 min
 Lab File: VX016848.D
 Acq: 18 Jun 2020 19:45

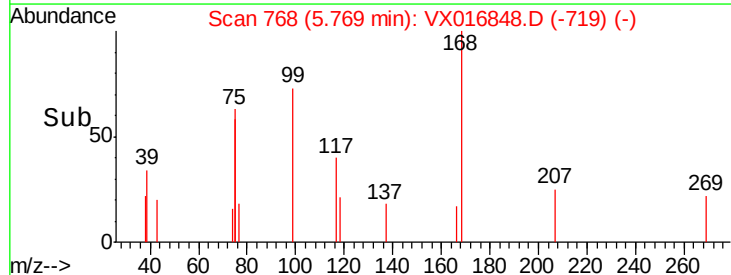
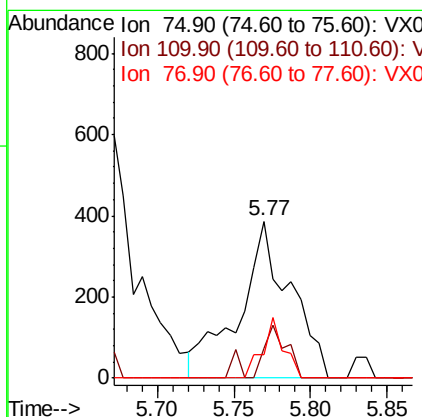
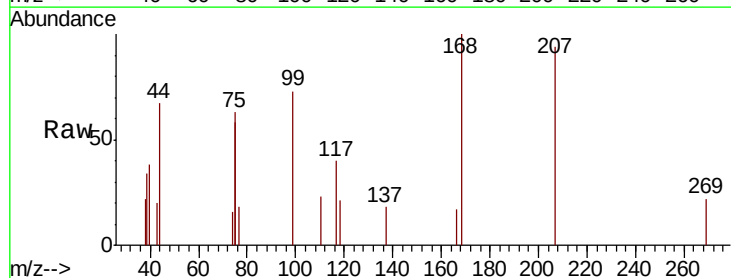
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0618WBL01

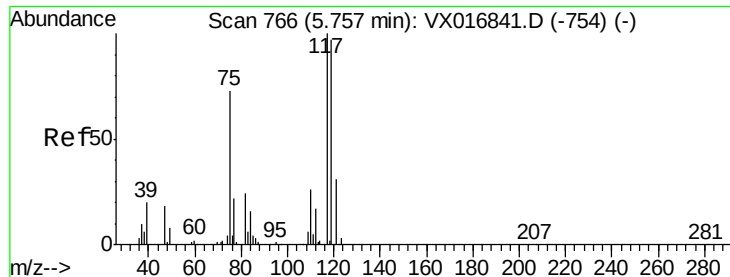
Tot Ion:113 Resp: 125870
 Ion Ratio Lower Upper
 113 100
 111 102.7 81.0 121.4
 192 23.2 18.5 27.7



#36
 1,1-Dichloropropene
 Concen: 0.215 ug/l
 RT: 5.77 min Scan# 768
 Delta R.T. -0.00 min
 Lab File: VX016848.D
 Acq: 18 Jun 2020 19:45

Tgt Ion: 75 Resp: 895
 Ion Ratio Lower Upper
 75 100
 110 14.9 18.9 56.9#
 77 16.2 25.6 38.4#





#38

Carbon Tetrachloride

Concen: 5.093 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016848.D

Acq: 18 Jun 2020 19:45

Instrument :

MSVOA_X

ClientSampleId :

VX0618WBL01

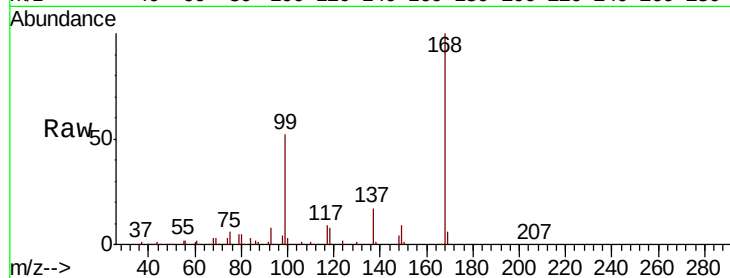
Tot Ion:117 Resp: 23791

Ion Ratio Lower Upper

117 100

119 3.5 77.4 116.2#

121 0.0 24.7 37.1#

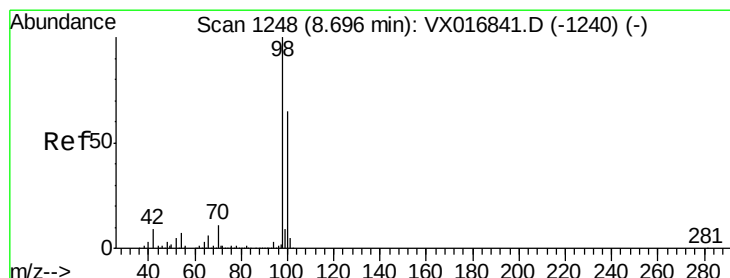
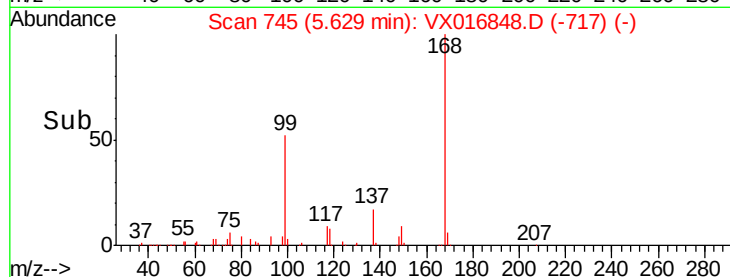
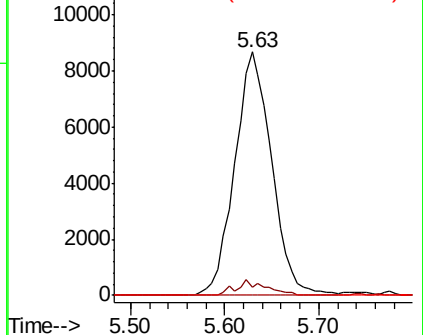


Abundance

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: 49.700 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016848.D

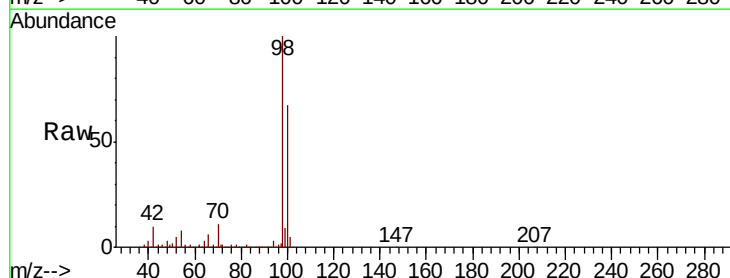
Acq: 18 Jun 2020 19:45

Tgt Ion: 98 Resp: 573538

Ion Ratio Lower Upper

98 100

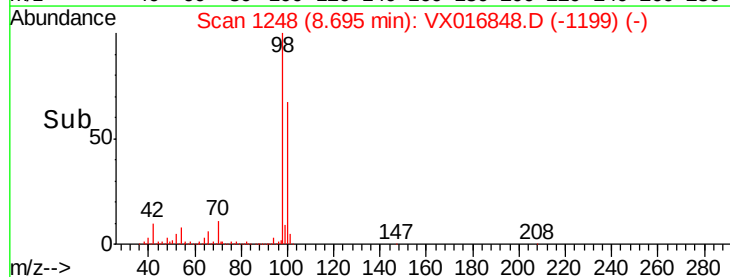
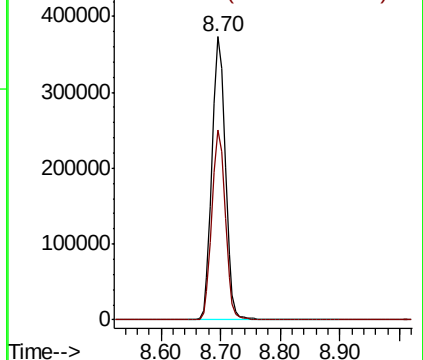
100 66.8 54.0 81.0

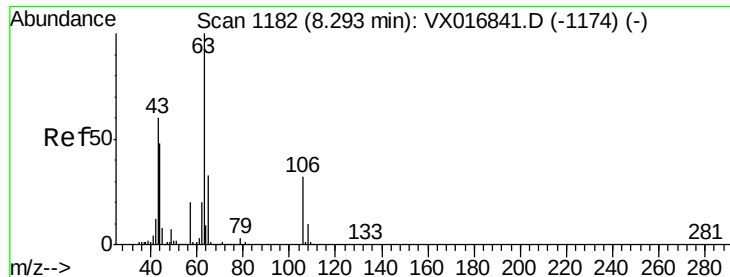


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

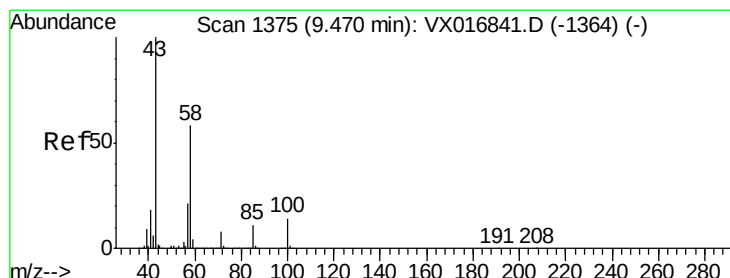
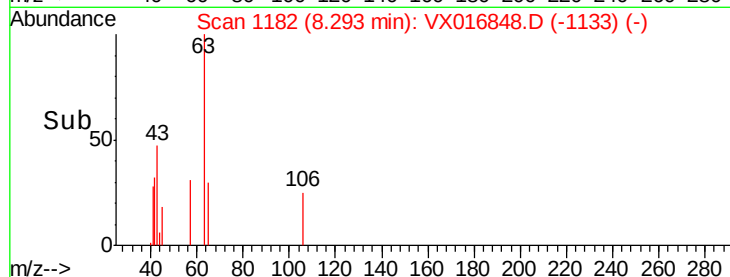
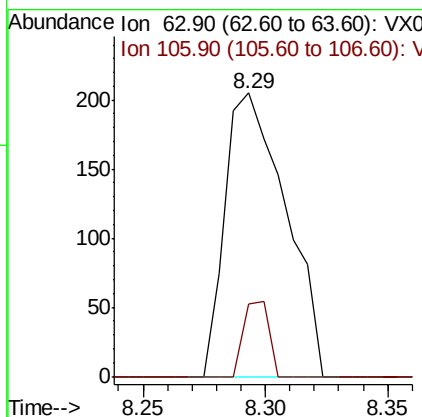
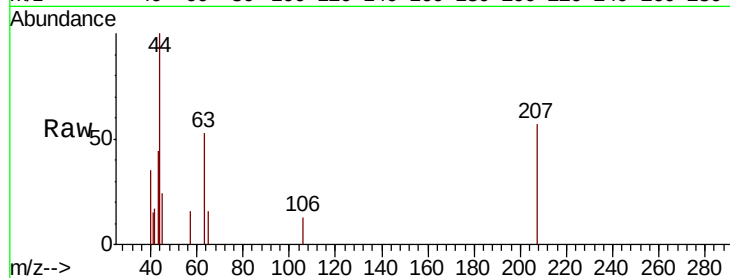




#58
2-Chloroethyl Vinyl ether
Concen: Below Cal
RT: 8.29 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VX016848.D
Acq: 18 Jun 2020 19:45

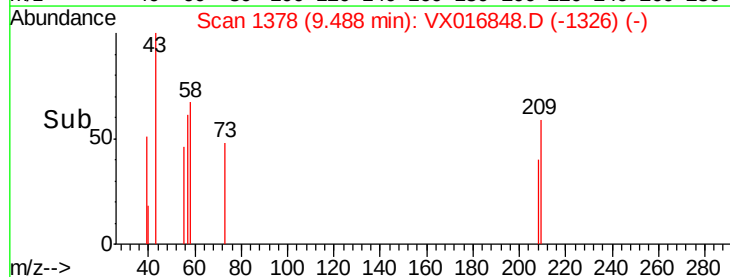
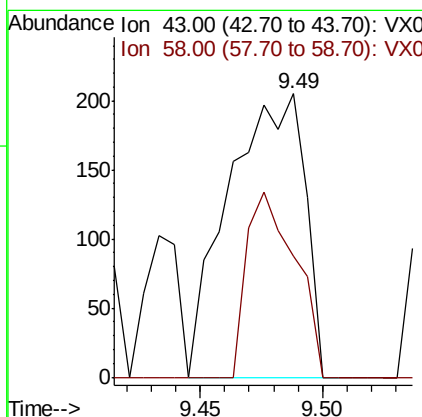
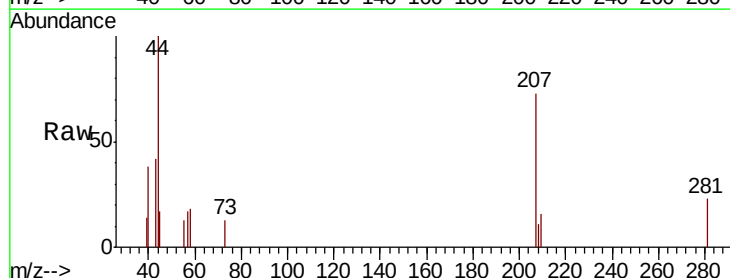
Instrument :
MSVOA_X
ClientSampleId :
VX0618WBL01

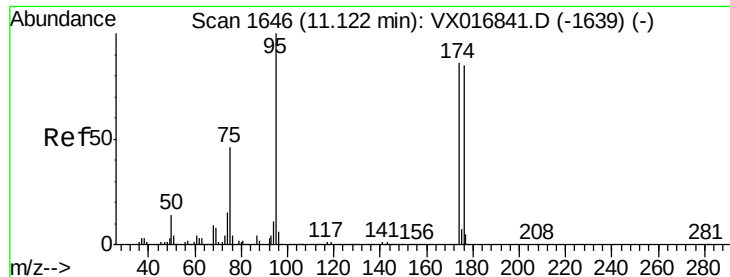
Tot Ion: 63 Resp: 355
Ion Ratio Lower Upper
63 100
106 11.0 25.8 38.6#



#59
2-Hexanone
Concen: Below Cal
RT: 9.49 min Scan# 1378
Delta R.T. 0.02 min
Lab File: VX016848.D
Acq: 18 Jun 2020 19:45

Tgt Ion: 43 Resp: 446
Ion Ratio Lower Upper
43 100
58 41.7 29.8 89.4





#62

4-Bromofluorobenzene

Concen: 47.087 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016848.D

Acq: 18 Jun 2020 19:45

Instrument :

MSVOA_X

ClientSampleId :

VX0618WBL01

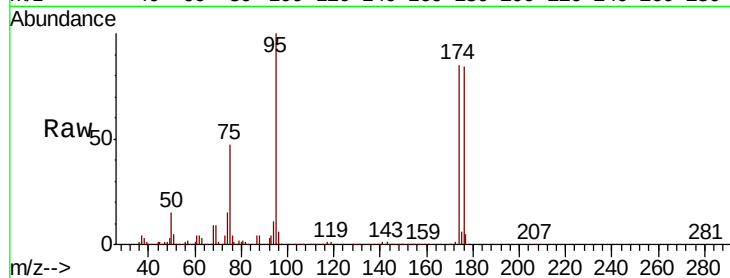
Tot Ion: 95 Resp: 208195

Ion Ratio Lower Upper

95 100

174 86.1 0.0 174.2

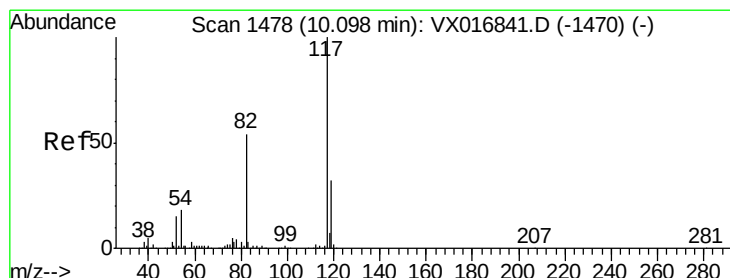
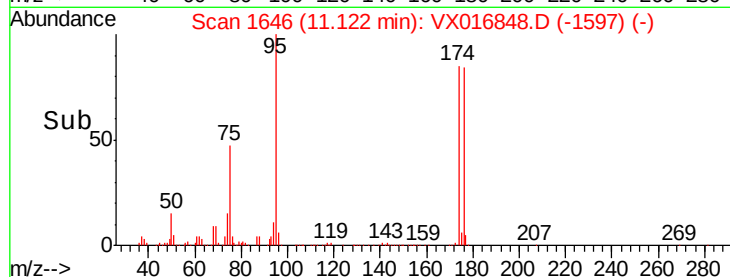
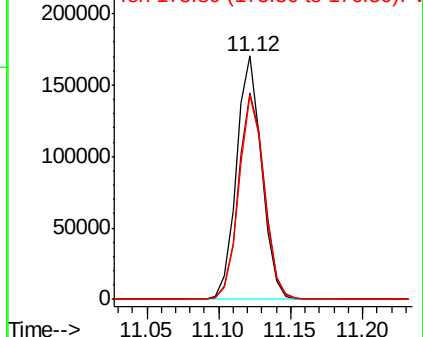
176 83.4 0.0 170.0



Abundance Ion 94.90 (94.60 to 95.60): VX016848.D (-1639) (-)

Ion 173.80 (173.50 to 174.50): VX016848.D (-1639) (-)

Ion 175.80 (175.50 to 176.50): VX016848.D (-1639) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016848.D

Acq: 18 Jun 2020 19:45

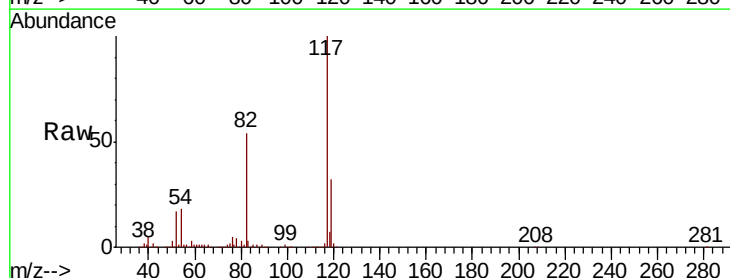
Tgt Ion: 117 Resp: 508669

Ion Ratio Lower Upper

117 100

82 54.2 43.4 65.0

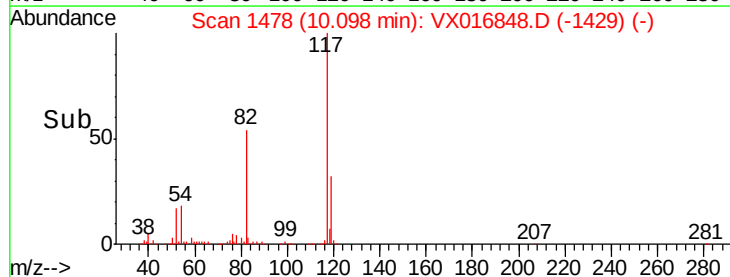
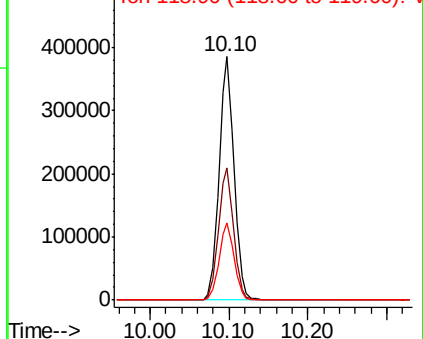
119 31.5 25.7 38.5

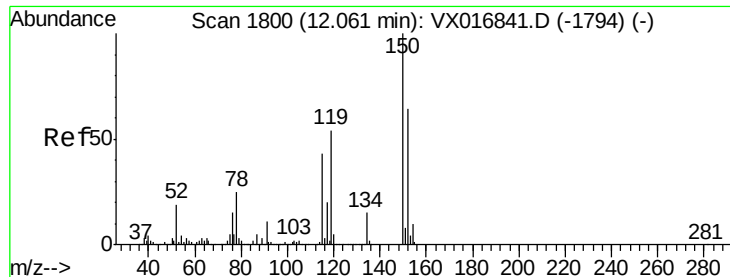


Abundance Ion 116.90 (116.60 to 117.60): VX016848.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX016848.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX016848.D (-1429) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016848.D

Acq: 18 Jun 2020 19:45

Instrument :

MSVOA_X

ClientSampleId :

VX0618WBL01

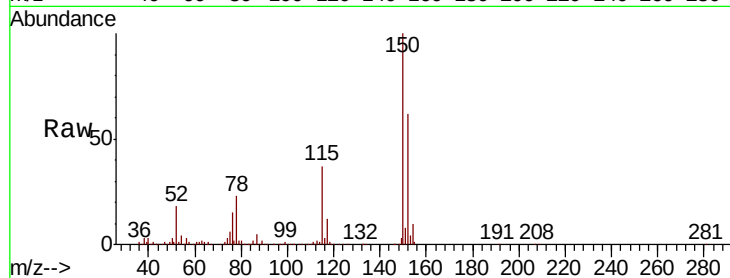
Tot Ion:152 Resp: 218744

Ion Ratio Lower Upper

152 100

115 59.3 40.9 122.8

150 160.3 0.0 344.2

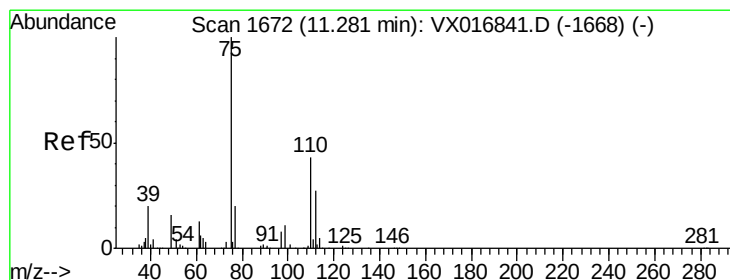
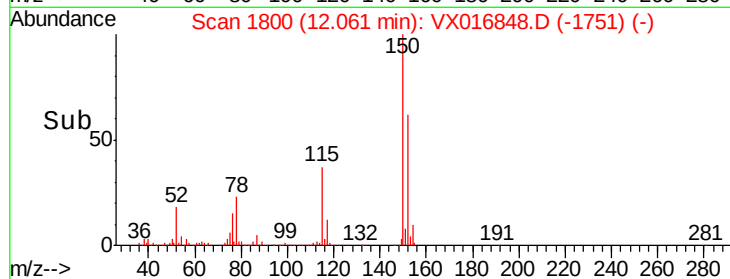
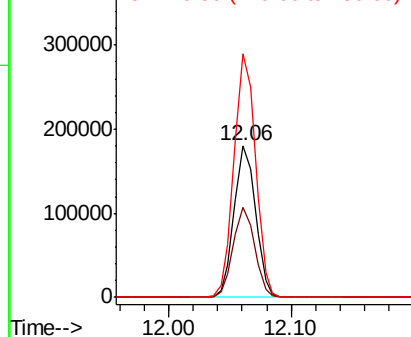


Abundance

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



#76

1,2,3-Trichloropropane

Concen: 24.820 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016848.D

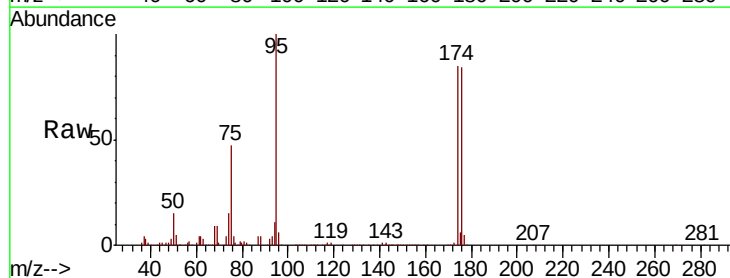
Acq: 18 Jun 2020 19:45

Tgt Ion: 75 Resp: 99499

Ion Ratio Lower Upper

75 100

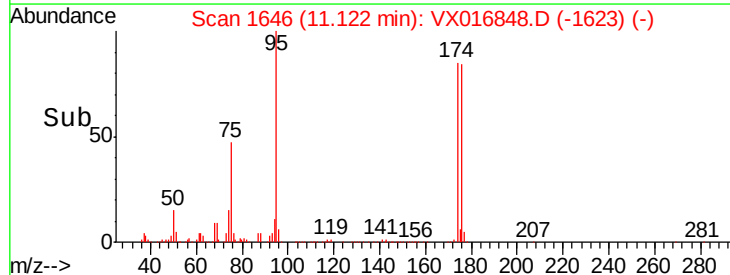
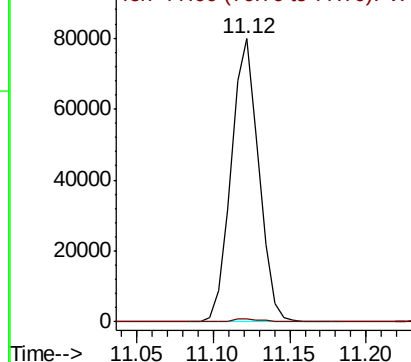
77 1.3 20.5 61.5#

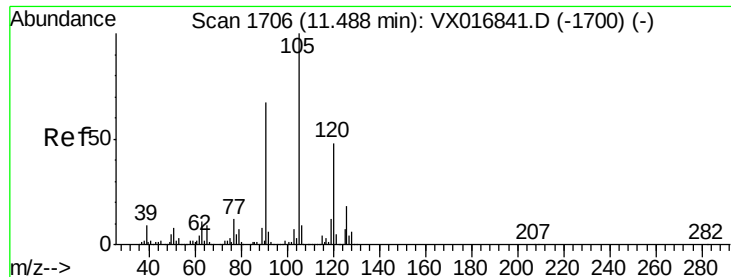


Abundance

Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

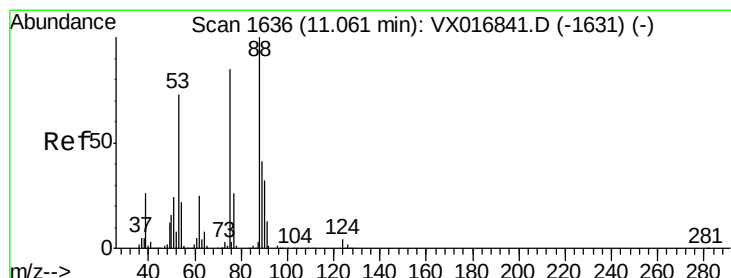
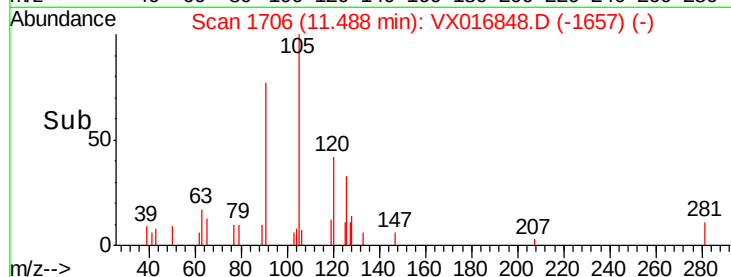
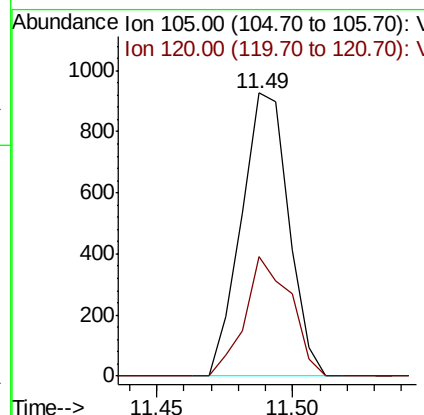
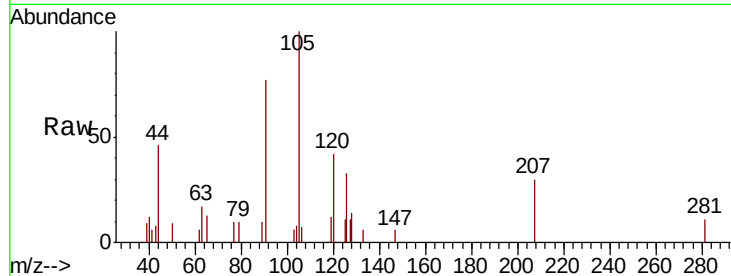




#80
 1,3,5-Trimethylbenzene
 Concen: 0.294 ug/l
 RT: 11.49 min Scan# 1706
 Delta R.T. 0.00 min
 Lab File: VX016848.D
 Acq: 18 Jun 2020 19:45

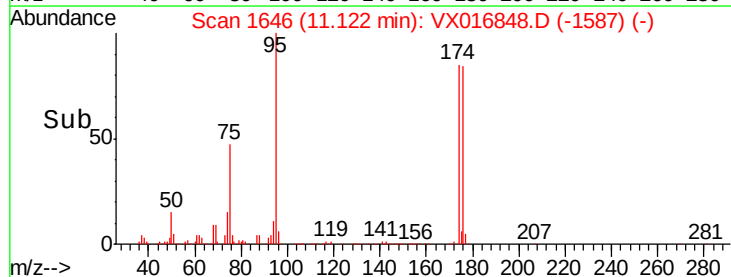
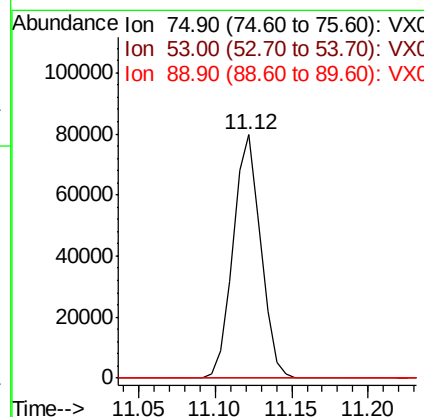
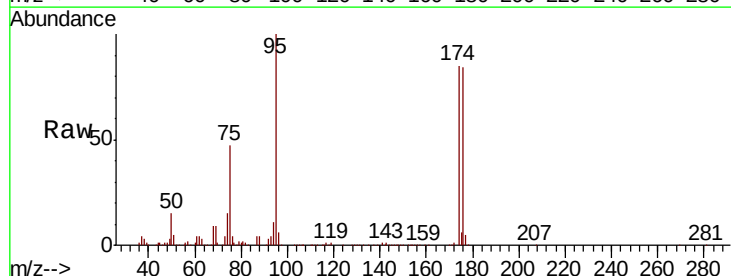
Instrument :
 MSVOA_X
 ClientSampled :
 VX0618WBL01

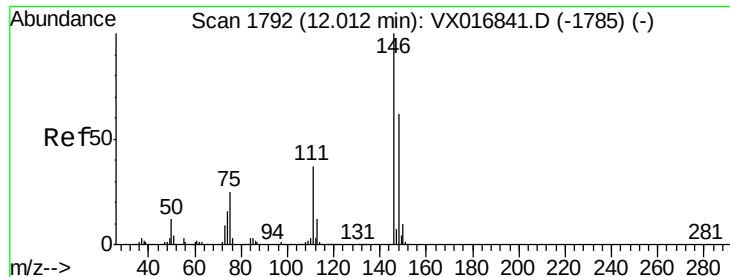
Tot Ion:105 Resp: 1119
 Ion Ratio Lower Upper
 105 100
 120 40.8 24.6 74.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 60.991 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.06 min
 Lab File: VX016848.D
 Acq: 18 Jun 2020 19:45

Tgt Ion: 75 Resp: 99499
 Ion Ratio Lower Upper
 75 100
 53 0.1 69.8 104.8#
 89 0.0 38.3 57.5#

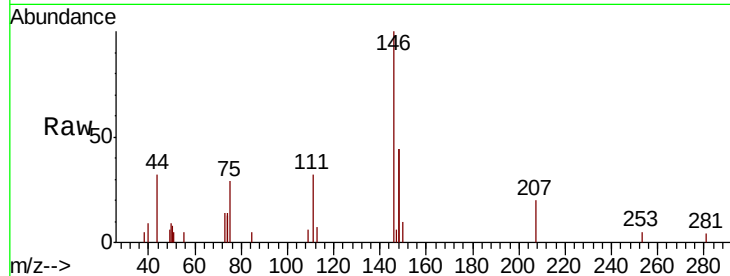




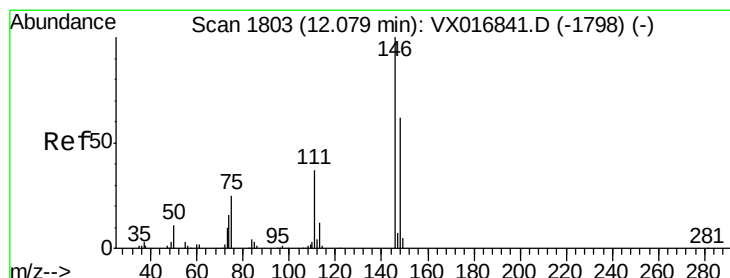
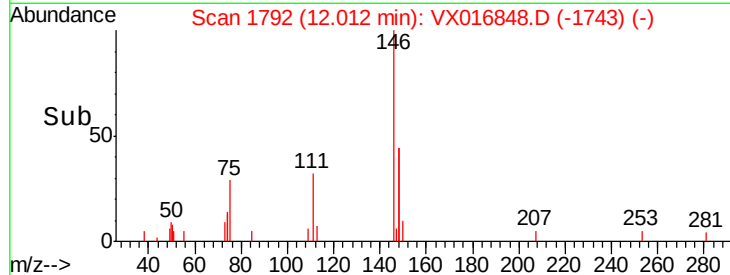
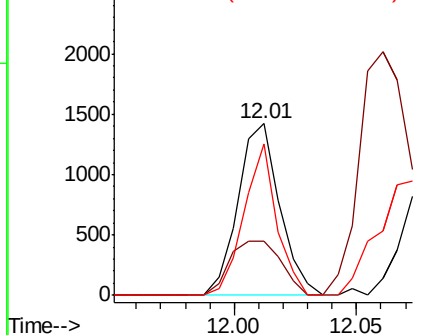
#87
 1,3-Dichlorobenzene
 Concen: 0.240 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX016848.D
 Acq: 18 Jun 2020 19:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0618WBL01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.4	58.2
148	69.4	31.8	95.3

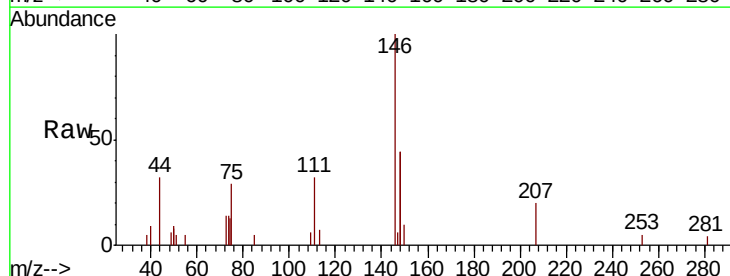


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

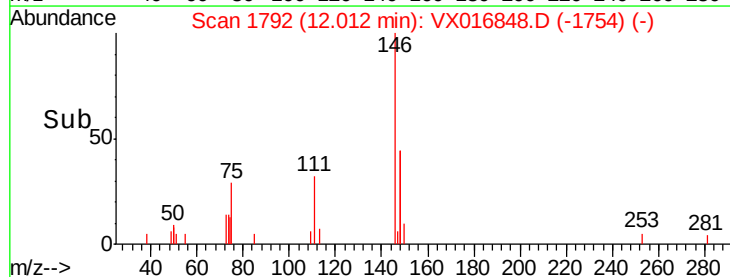
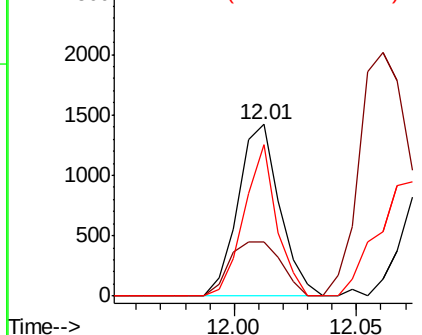


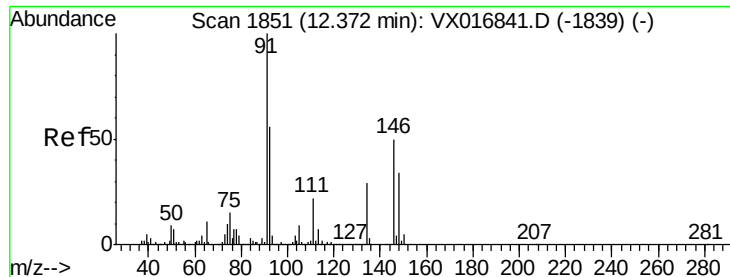
#88
 1,4-Dichlorobenzene
 Concen: 0.237 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. -0.07 min
 Lab File: VX016848.D
 Acq: 18 Jun 2020 19:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.0	57.0
148	69.4	31.6	95.0



Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 3.209 ug/l

RT: 12.37 min Scan# 1851

Delta R.T. 0.00 min

Lab File: VX016848.D

Acq: 18 Jun 2020 19:45

Instrument :

MSVOA_X

ClientSampled :

VX0618WBL01

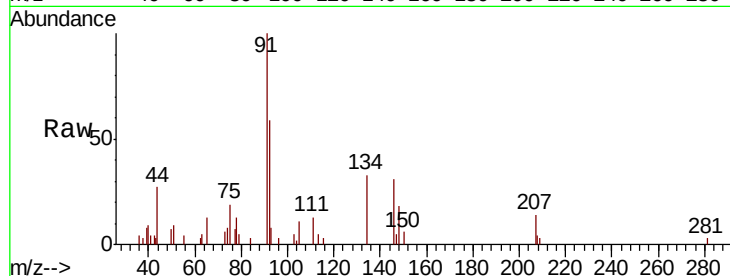
Tot Ion: 91 Resp: 2562

Ion Ratio Lower Upper

91 100

92 51.7 27.4 82.2

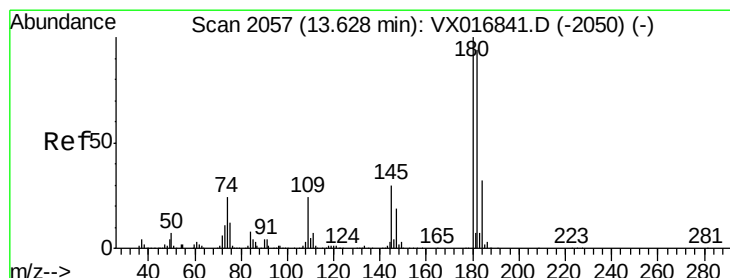
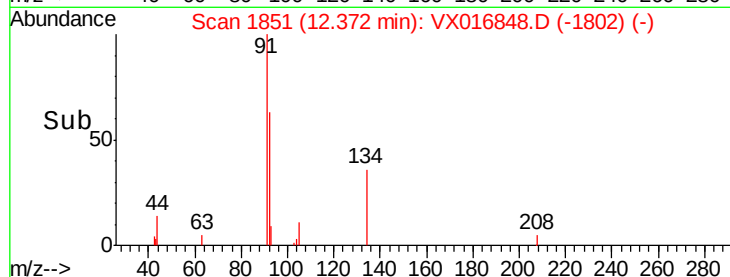
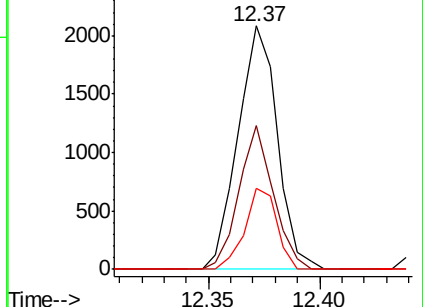
134 27.1 13.9 41.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V



#93

1,2,4-Trichlorobenzene

Concen: 0.410 ug/l

RT: 13.63 min Scan# 2057

Delta R.T. 0.00 min

Lab File: VX016848.D

Acq: 18 Jun 2020 19:45

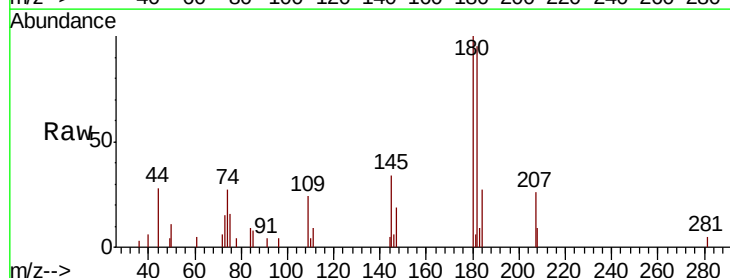
Tgt Ion: 180 Resp: 1864

Ion Ratio Lower Upper

180 100

182 98.7 47.7 143.1

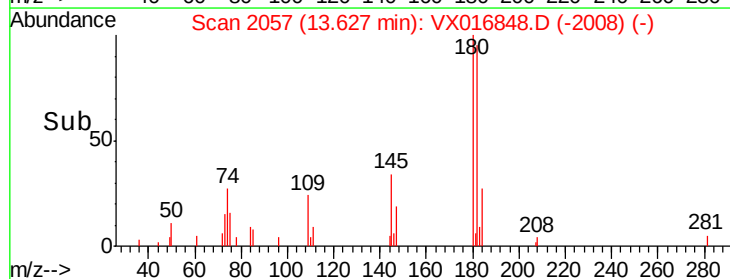
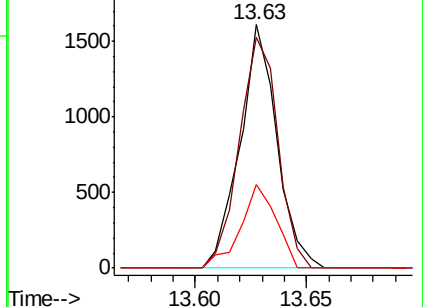
145 33.0 15.0 45.1

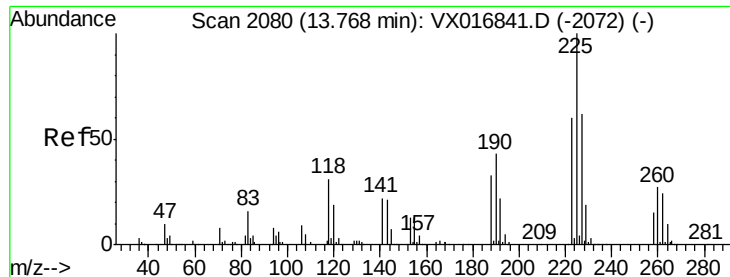


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 0.432 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX016848.D

Acq: 18 Jun 2020 19:45

Instrument :

MSVOA_X

ClientSampleId :

VX0618WBL01

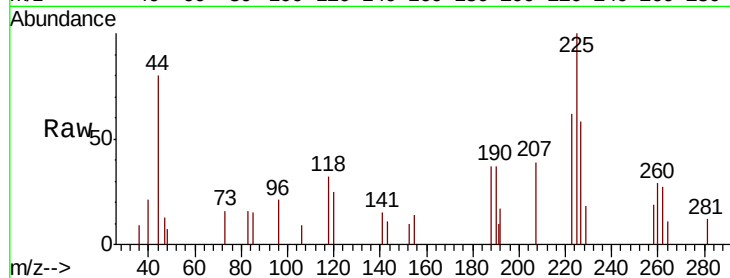
Tot Ion:225 Resp: 887

Ion Ratio Lower Upper

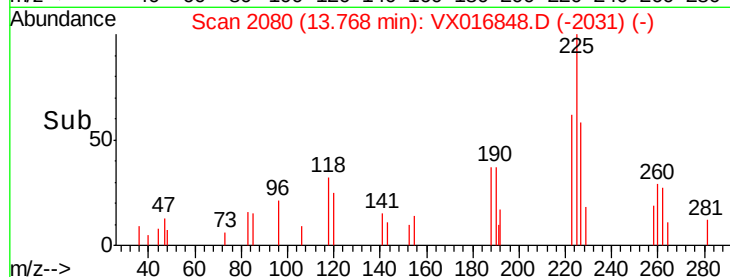
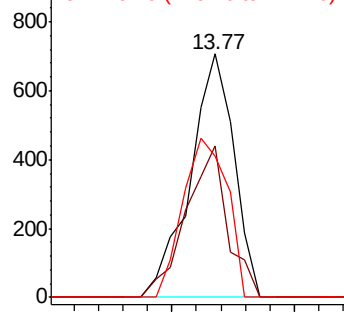
225 100

223 59.1 32.1 96.5

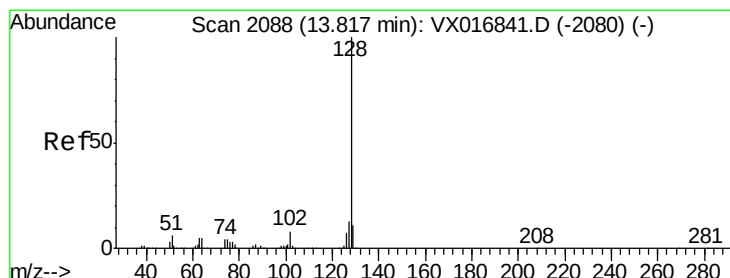
227 66.2 32.3 96.8



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



Time-->



#95

Naphthalene

Concen: 0.221 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX016848.D

Acq: 18 Jun 2020 19:45

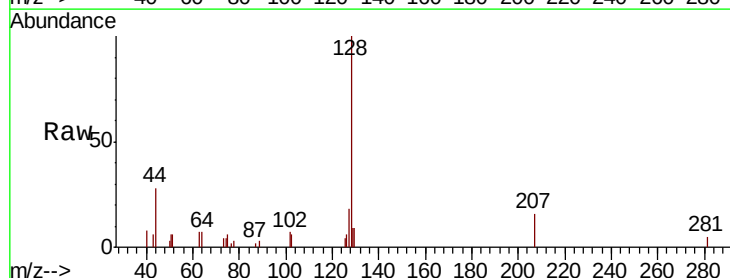
Tgt Ion:128 Resp: 2946

Ion Ratio Lower Upper

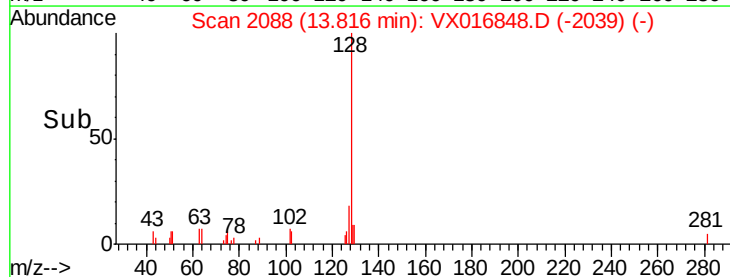
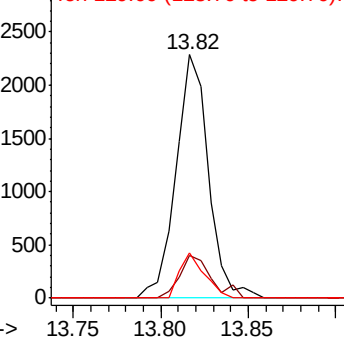
128 100

127 17.1 10.4 15.6#

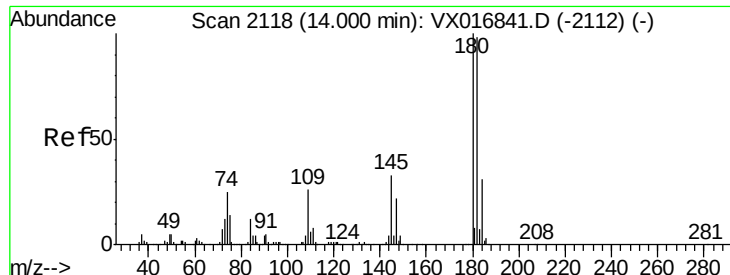
129 14.1 8.6 13.0#



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



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 0.306 ug/l

RT: 14.01 min Scan# 2119

Delta R.T. 0.01 min

Lab File: VX016848.D

Acq: 18 Jun 2020 19:45

Instrument :

MSVOA_X

ClientSampleId :

VX0618WBL01

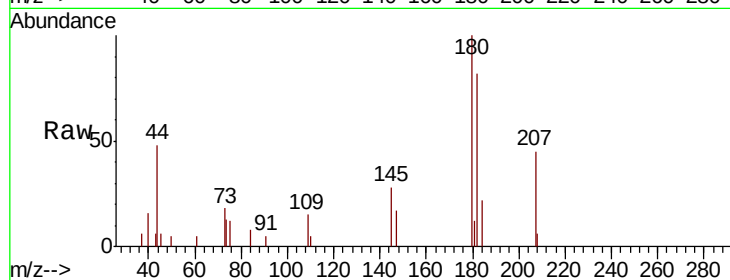
Tot Ion:180 Resp: 1387

Ion Ratio Lower Upper

180 100

182 100.4 47.4 142.3

145 31.0 16.0 48.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

