

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052020\
 Data File : VX016354.D
 Acq On : 20 May 2020 12:50
 Operator : JC/SP
 Sample : L2715-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 21 03:51:17 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	248733	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	404623	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	389411	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	192346	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	142320	43.48	ug/l	0.00
Spiked Amount			Recovery	=	86.96%	
35) Dibromofluoromethane	5.47	113	117887	45.99	ug/l	0.00
Spiked Amount			Recovery	=	91.98%	
50) Toluene-d8	8.70	98	500679	50.69	ug/l	0.00
Spiked Amount			Recovery	=	101.38%	
62) 4-Bromofluorobenzene	11.12	95	195353	52.00	ug/l	0.00
Spiked Amount			Recovery	=	104.00%	

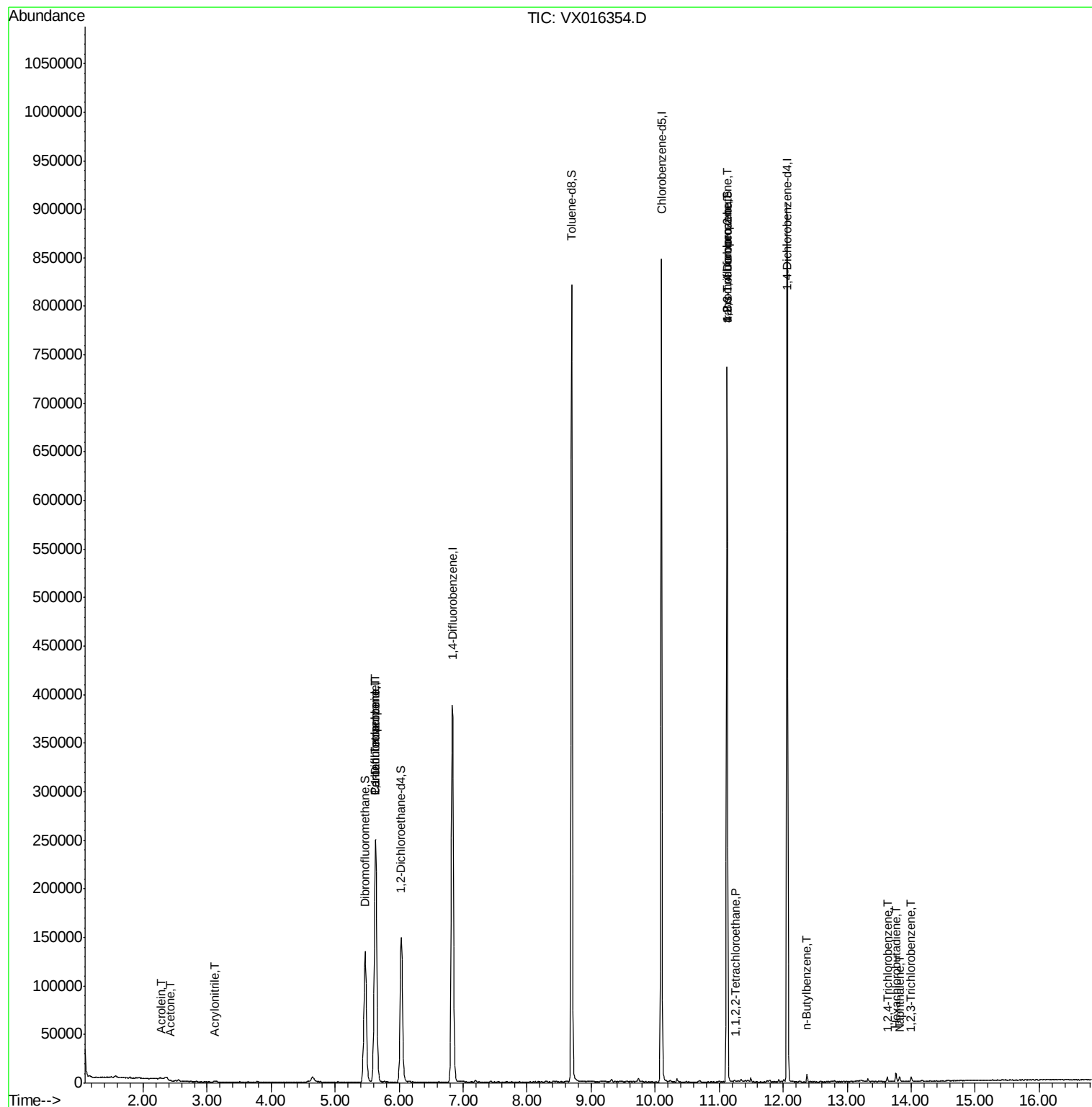
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	2.27	56	749	1.446	ug/l #	81
15) Acrylonitrile	3.12	53	667	0.388	ug/l	95
16) Acetone	2.42	43	414	0.283	ug/l #	77
36) 1,1-Dichloropropene	5.63	75	17736	4.453	ug/l #	49
38) Carbon Tetrachloride	5.63	117	23317	5.760	ug/l #	14
75) 1,1,2,2-Tetrachloroethane	11.26	83	55	2.070	ug/l #	26
76) 1,2,3-Trichloropropane	11.12	75	93065	21.322	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	93065	50.812	ug/l #	13
89) n-Butylbenzene	12.37	91	2414	0.207	ug/l	97
93) 1,2,4-Trichlorobenzene	13.63	180	1311	0.284	ug/l	99
94) Hexachlorobutadiene	13.76	225	1333	1.186	ug/l	98
95) Naphthalene	13.82	128	3010	0.201	ug/l	98
96) 1,2,3-Trichlorobenzene	14.00	180	1335	0.296	ug/l	94

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX052020\
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ClientSampleId :

Quant Time: May 21 03:51:17 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
Quant Title : SW846 8260
QLast Update : Wed May 06 06:43:32 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX016354.D

Acq: 20 May 2020 12:50

Instrument :

MSVOA_X

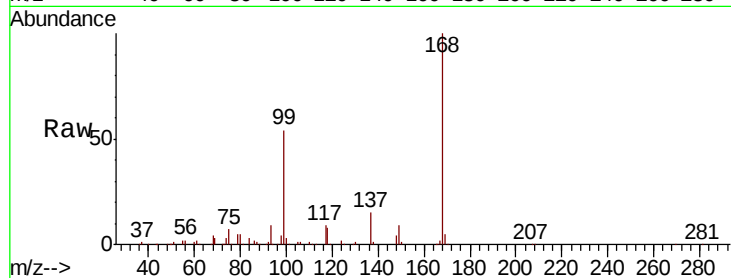
ClientSampled :

Tot Ion:168 Resp: 248733

Ion Ratio Lower Upper

168 100

99 53.7 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

100000

80000

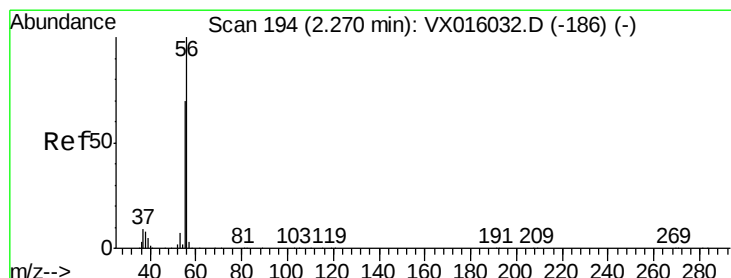
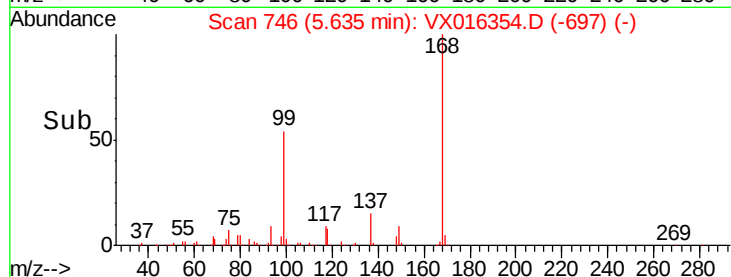
60000

40000

20000

0

Time-->



#13

Acrolein

Concen: 1.446 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX016354.D

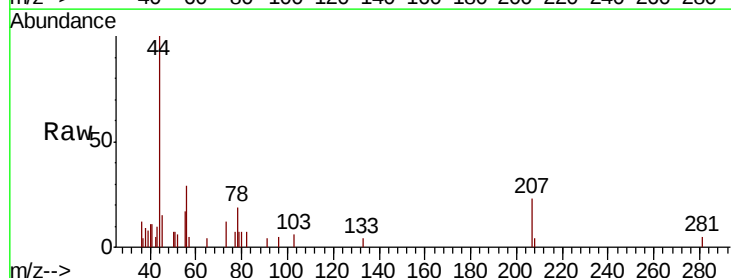
Acq: 20 May 2020 12:50

Tgt Ion: 56 Resp: 749

Ion Ratio Lower Upper

56 100

55 54.6 56.5 84.7#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.27

400

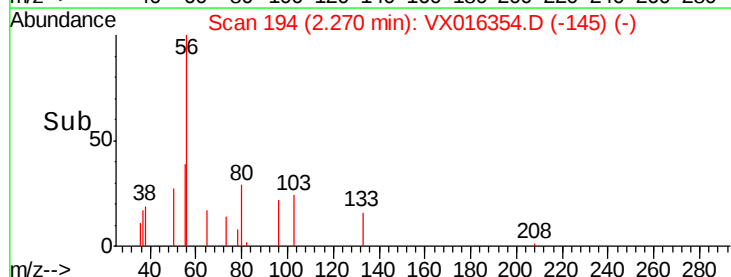
300

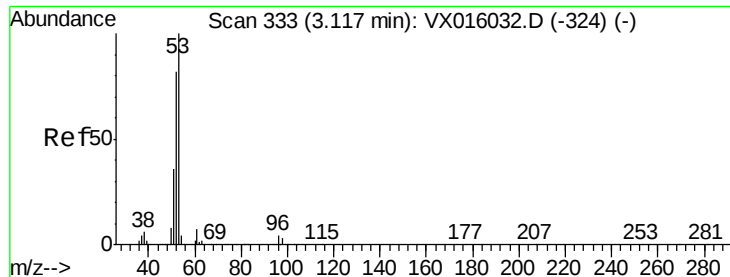
200

100

0

Time-->





#15

Acrylonitrile

Concen: 0.388 ug/l

RT: 3.12 min Scan# 333

Delta R.T. -0.00 min

Lab File: VX016354.D

Acq: 20 May 2020 12:50

Instrument :

MSVOA_X

ClientSampleId :

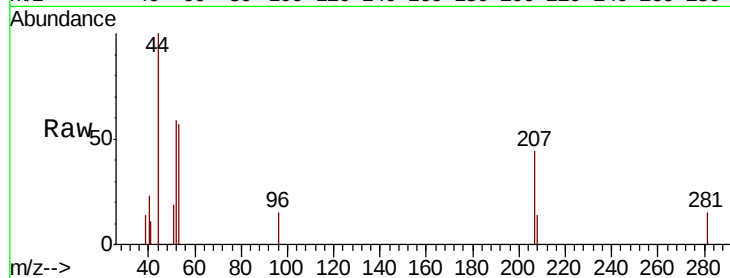
Tot Ion: 53 Resp: 667

Ion Ratio Lower Upper

53 100

52 85.2 66.1 99.1

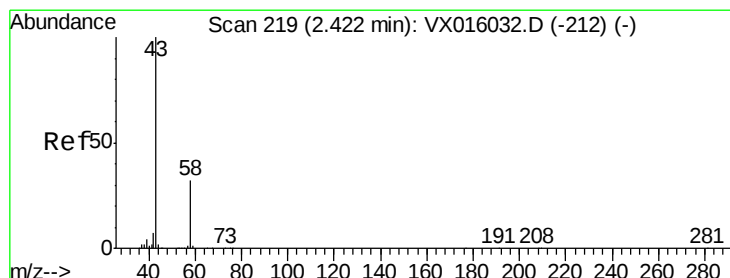
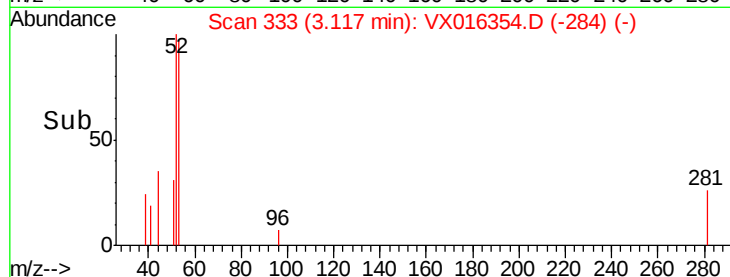
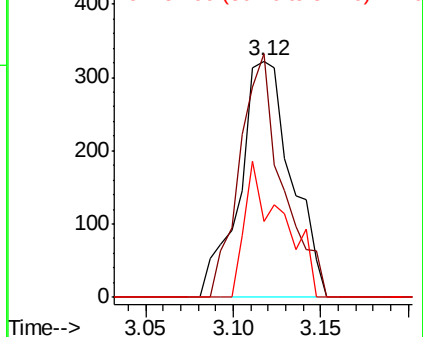
51 42.4 28.8 43.2



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 0.283 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX016354.D

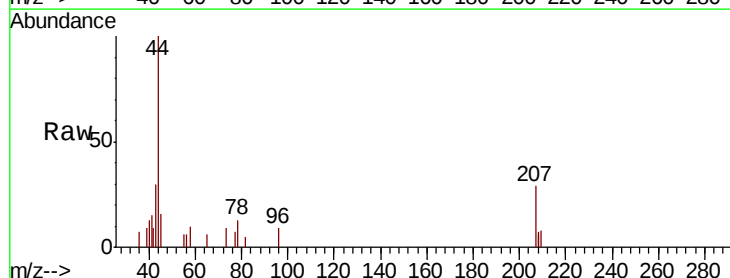
Acq: 20 May 2020 12:50

Tgt Ion: 43 Resp: 414

Ion Ratio Lower Upper

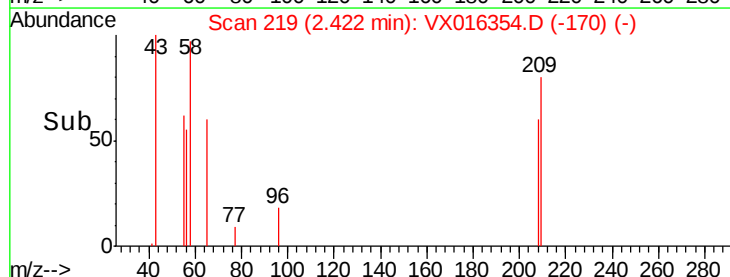
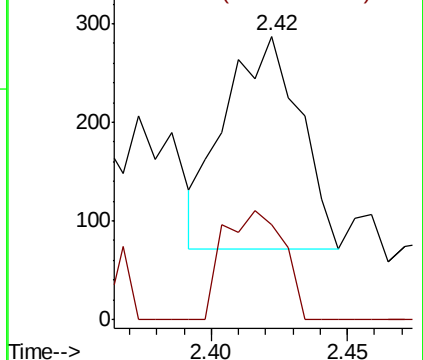
43 100

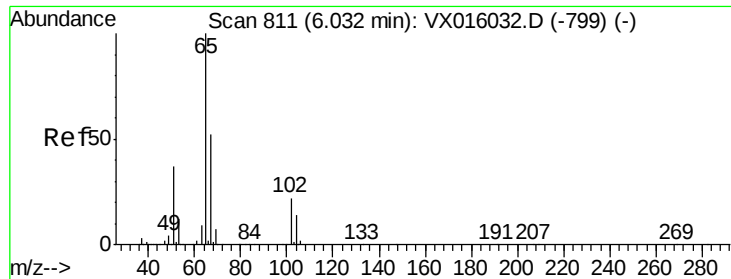
58 44.4 25.4 38.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 43.482 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX016354.D

Acq: 20 May 2020 12:50

Instrument :

MSVOA_X

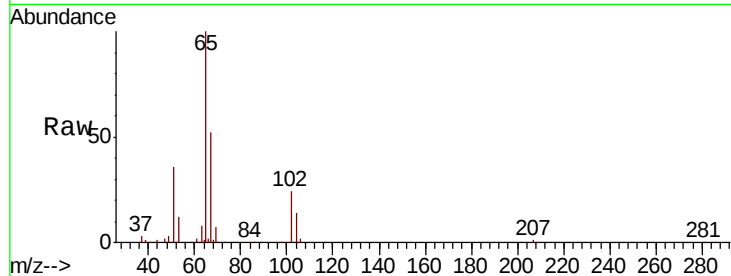
ClientSampleId :

Tot Ion: 65 Resp: 142320

Ion Ratio Lower Upper

65 100

67 53.3 0.0 104.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.04

60000

50000

40000

30000

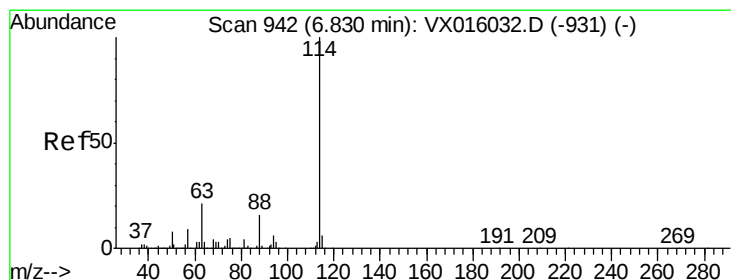
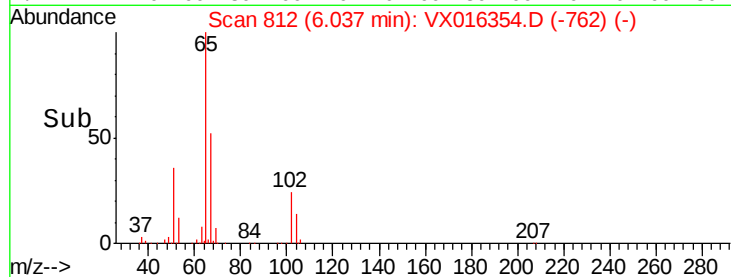
20000

10000

0

Time-->

5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX016354.D

Acq: 20 May 2020 12:50

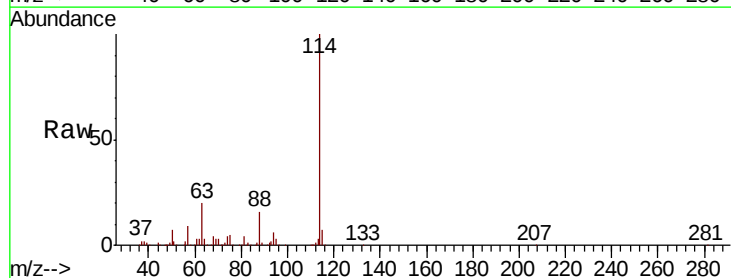
Tgt Ion: 114 Resp: 404623

Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.8

88 16.4 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

200000

150000

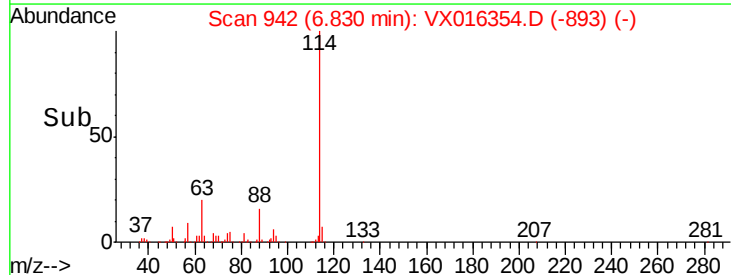
100000

50000

0

Time-->

6.70 6.80 6.90 7.00

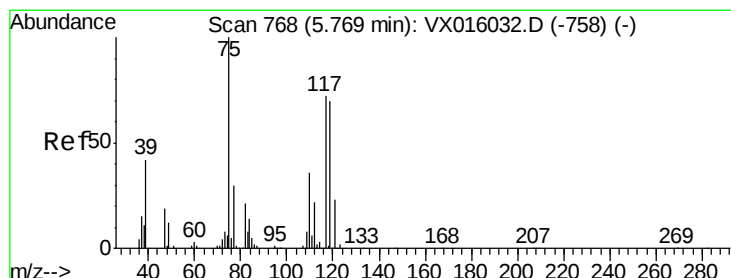
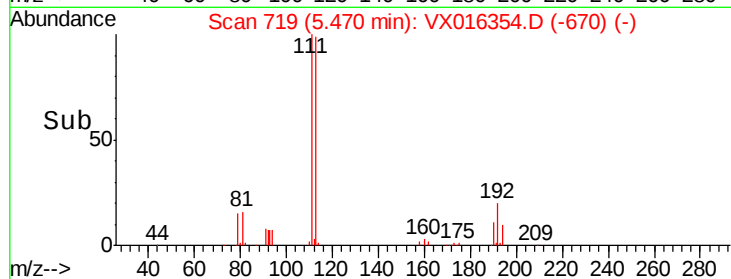
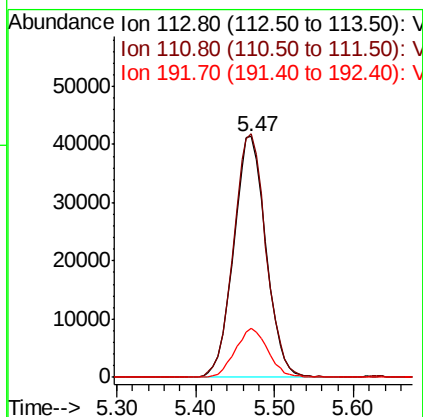
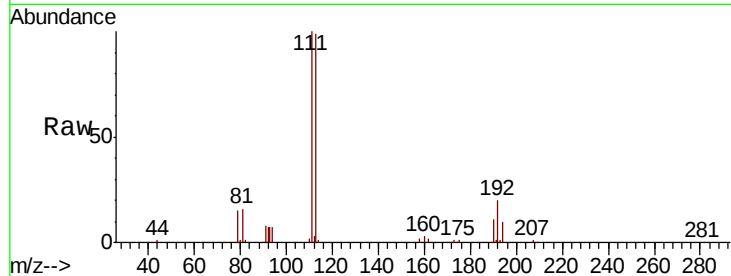




#35
Dibromofluoromethane
Concen: 45.987 ug/l
RT: 5.47 min Scan# 719
Delta R.T. -0.00 min
Lab File: VX016354.D
Acq: 20 May 2020 12:50

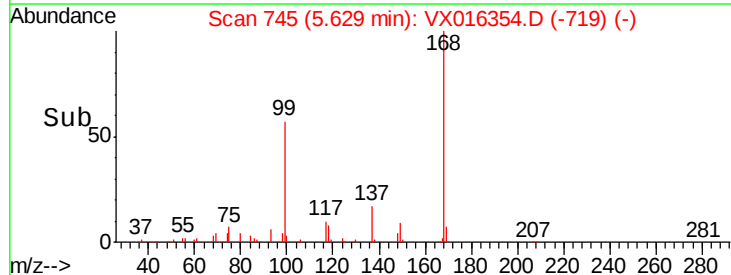
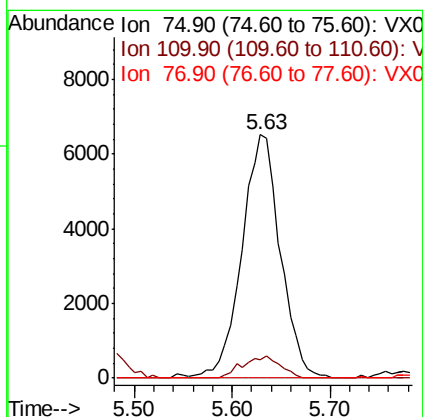
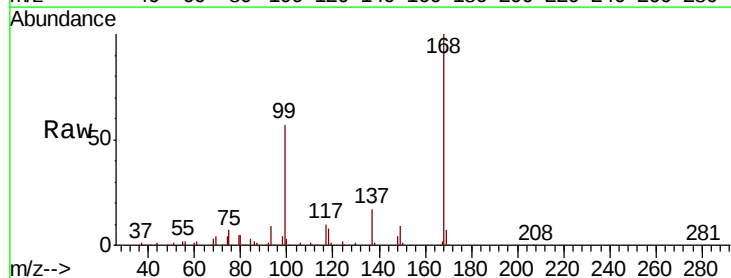
Instrument :
MSVOA_X
ClientSampled :

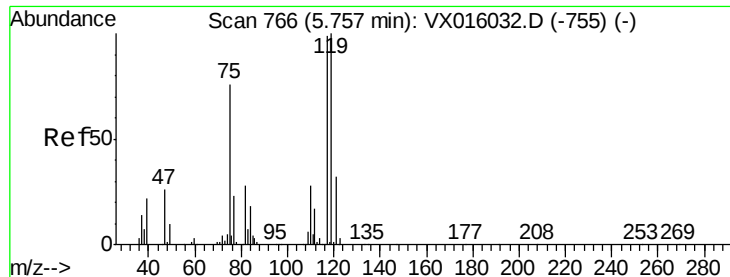
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.5	81.6	122.4
192	20.5	17.0	25.4



#36
1,1-Dichloropropene
Concen: 4.453 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.14 min
Lab File: VX016354.D
Acq: 20 May 2020 12:50

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.9	18.1	54.1#
77	0.0	25.0	37.6#





#38

Carbon Tetrachloride

Concen: 5.760 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016354.D

Acq: 20 May 2020 12:50

Instrument :

MSVOA_X

ClientSampleId :

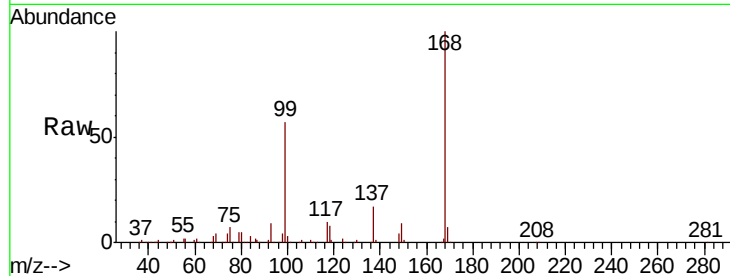
Tot Ion:117 Resp: 23317

Ion Ratio Lower Upper

117 100

119 5.5 80.3 120.5#

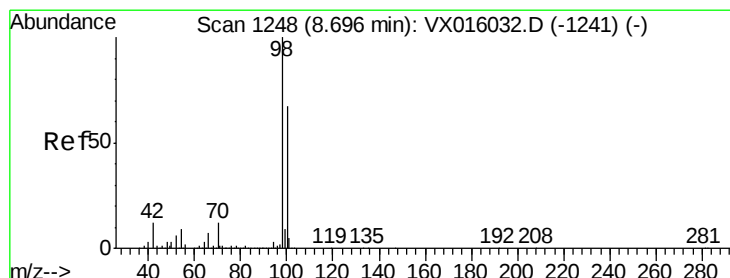
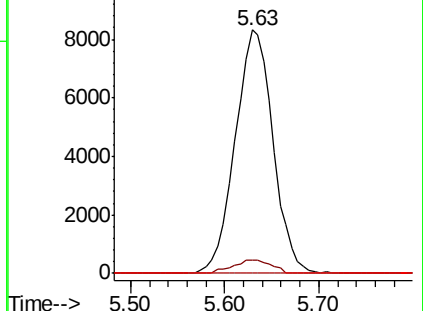
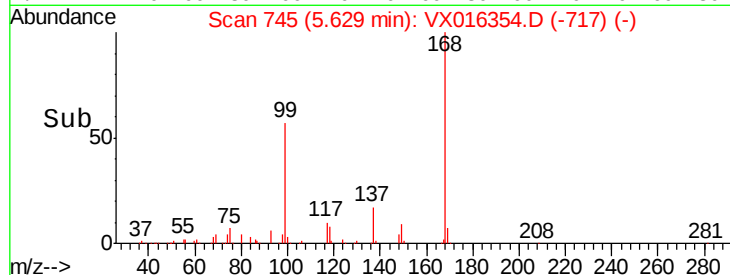
121 0.0 25.7 38.5#



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: 50.690 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016354.D

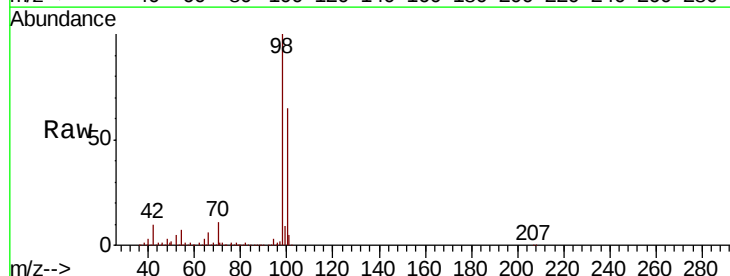
Acq: 20 May 2020 12:50

Tgt Ion: 98 Resp: 500679

Ion Ratio Lower Upper

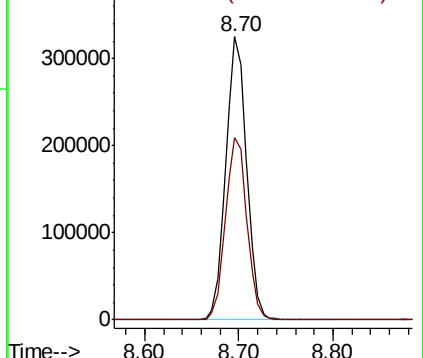
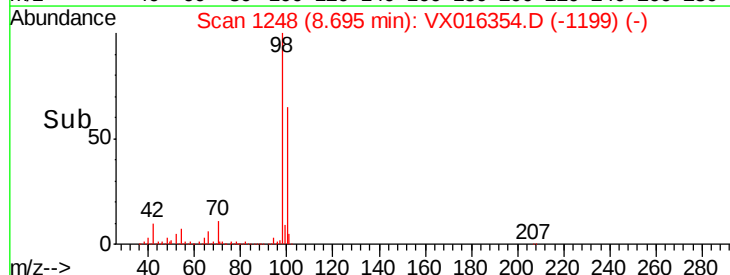
98 100

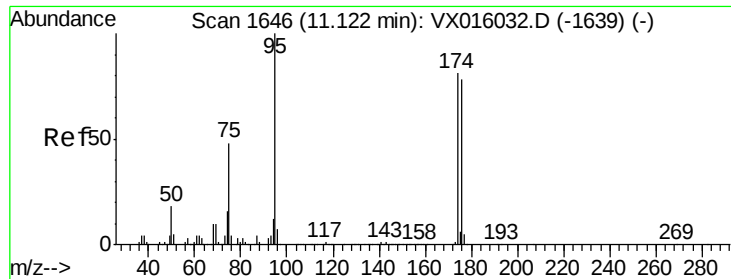
100 66.2 53.7 80.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 52.000 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016354.D

Acq: 20 May 2020 12:50

Instrument :

MSVOA_X

ClientSampleId :

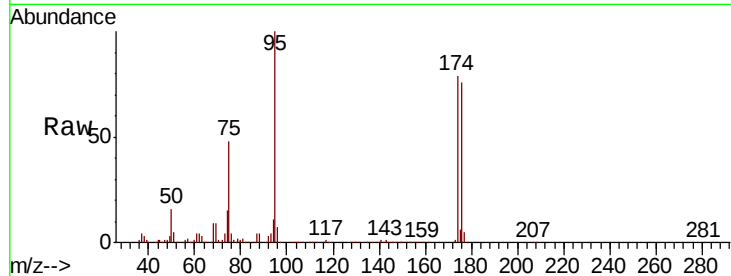
Tot Ion: 95 Resp: 195353

Ion Ratio Lower Upper

95 100

174 79.5 0.0 159.4

176 78.3 0.0 157.6



Abundance Ion 94.90 (94.60 to 95.60): VX016032.D (-1639) (-)

Ion 173.80 (173.50 to 174.50): VX016032.D (-1639) (-)

Ion 175.80 (175.50 to 176.50): VX016032.D (-1639) (-)

11.12

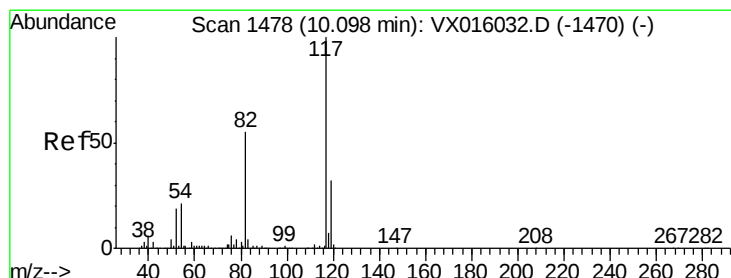
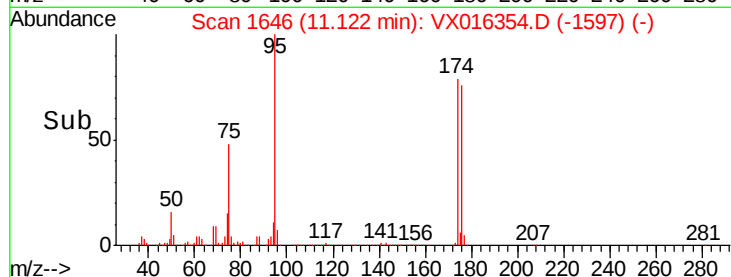
150000

100000

50000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016354.D

Acq: 20 May 2020 12:50

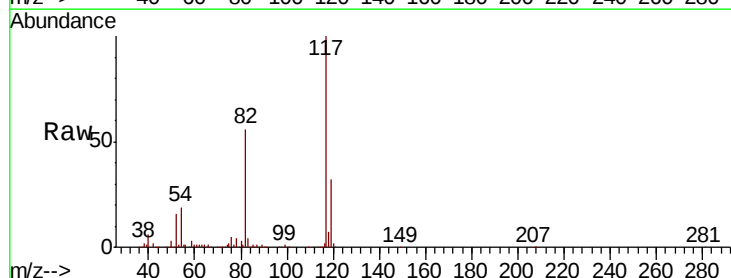
Tgt Ion: 117 Resp: 389411

Ion Ratio Lower Upper

117 100

82 55.9 44.4 66.6

119 31.9 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): VX016032.D (-1470) (-)

Ion 82.00 (81.70 to 82.70): VX016032.D (-1470) (-)

Ion 118.90 (118.60 to 119.60): VX016032.D (-1470) (-)

10.10

400000

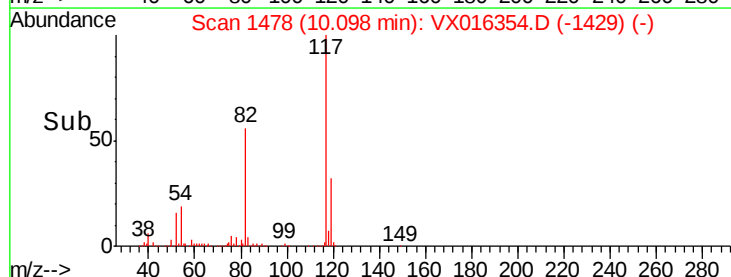
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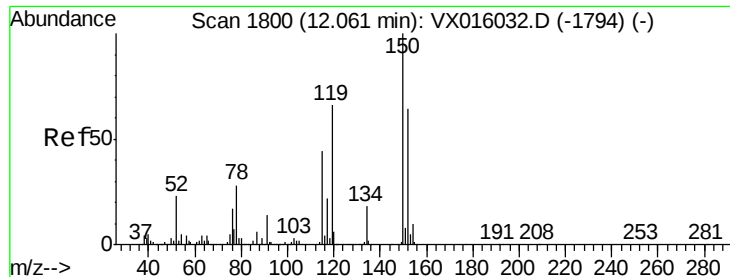
200000

100000

0

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016354.D

Acq: 20 May 2020 12:50

Instrument :

MSVOA_X

ClientSampleId :

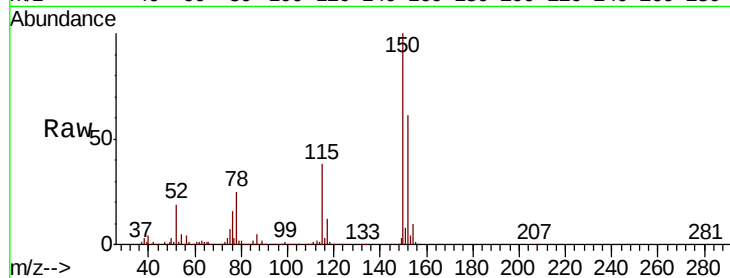
Tot Ion:152 Resp: 192346

Ion Ratio Lower Upper

152 100

115 58.6 41.3 124.1

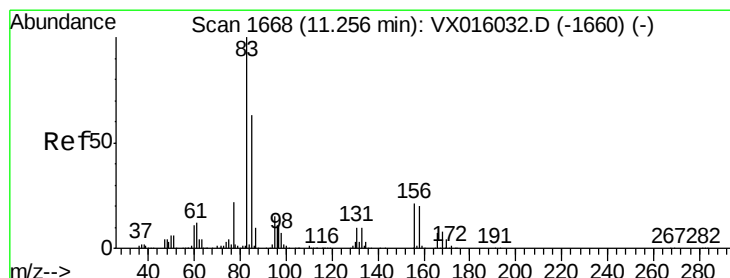
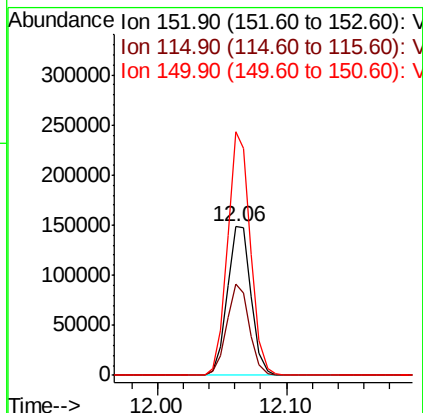
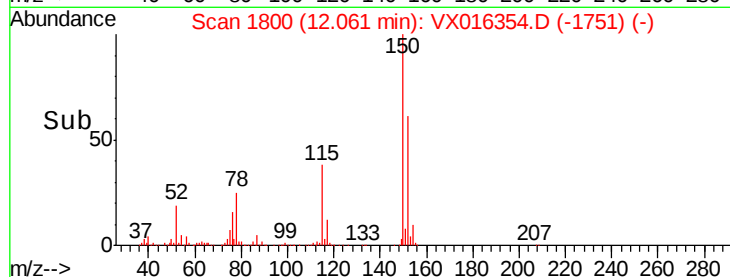
150 157.3 0.0 352.2



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: 2.070 ug/l

RT: 11.26 min Scan# 1668

Delta R.T. -0.00 min

Lab File: VX016354.D

Acq: 20 May 2020 12:50

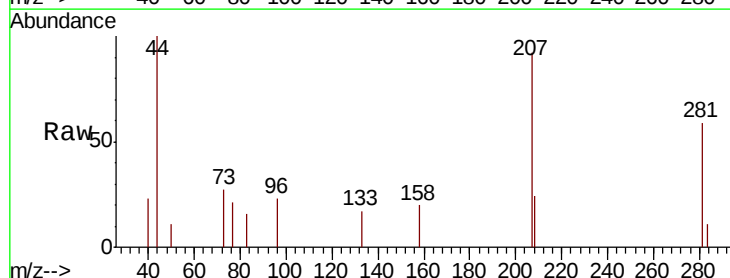
Tgt Ion: 83 Resp: 55

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.4#

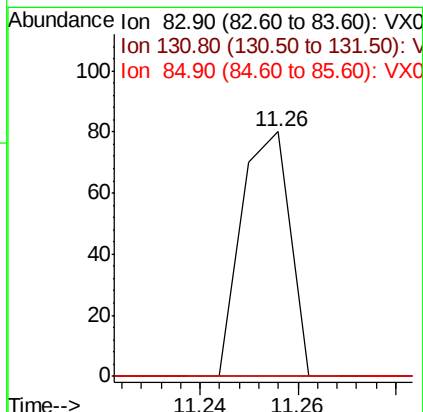
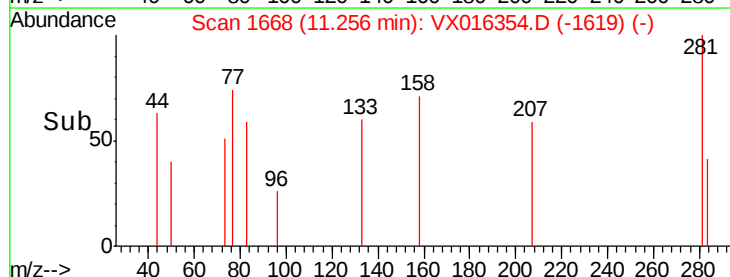
85 0.0 32.0 96.0#

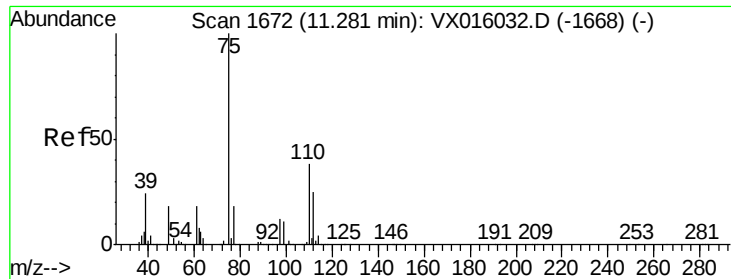


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0

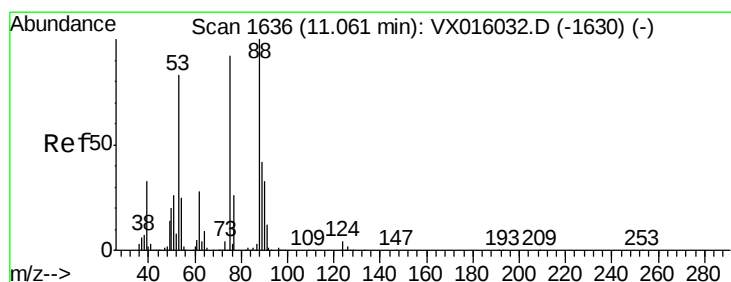
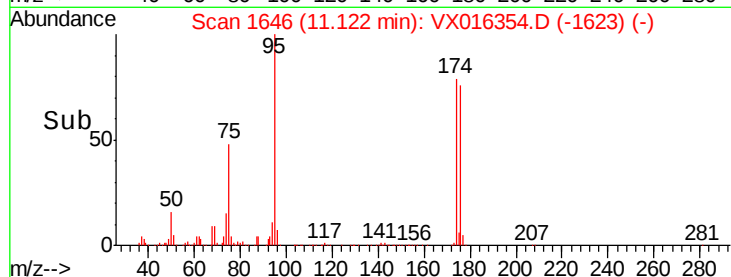
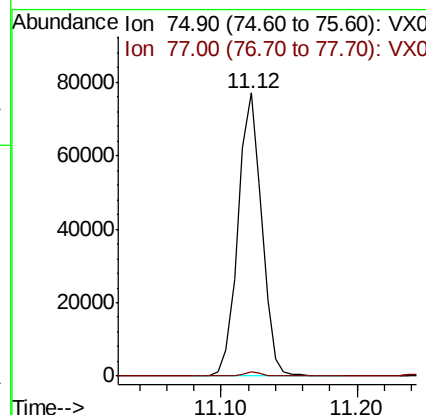
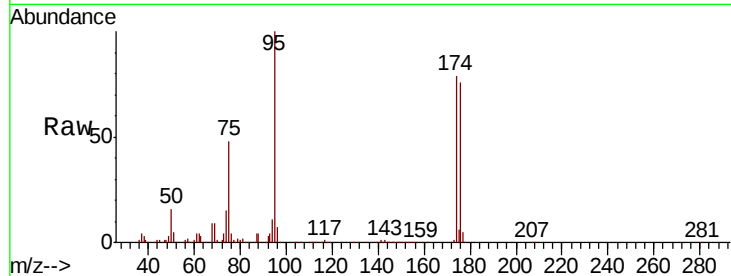




#76
 1,2,3-Trichloropropane
 Concen: 21.322 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.16 min
 Lab File: VX016354.D
 Acq: 20 May 2020 12:50

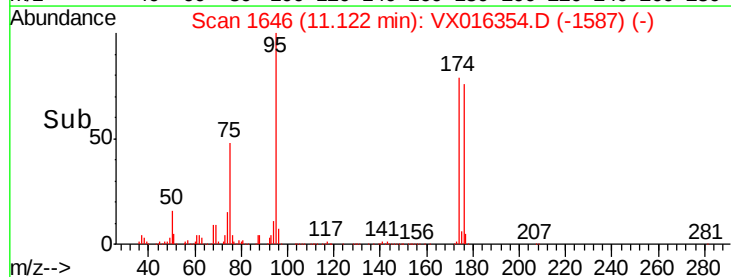
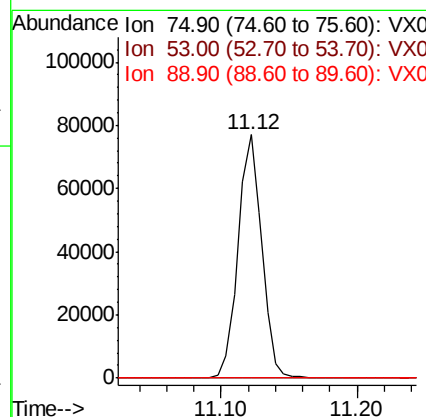
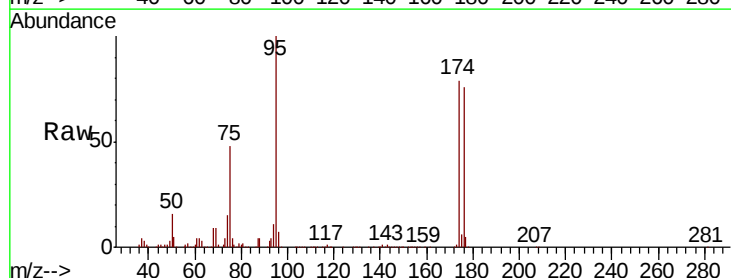
Instrument :
 MSVOA_X
 ClientSampled :

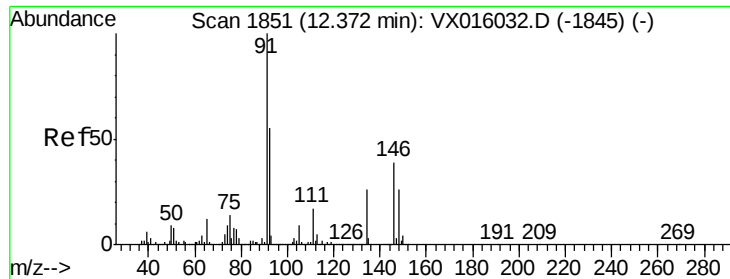
Tot Ion: 75 Resp: 93065
 Ion Ratio Lower Upper
 75 100
 77 1.3 21.2 63.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 50.812 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.06 min
 Lab File: VX016354.D
 Acq: 20 May 2020 12:50

Tgt Ion: 75 Resp: 93065
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.1 109.7#
 89 0.0 36.7 55.1#

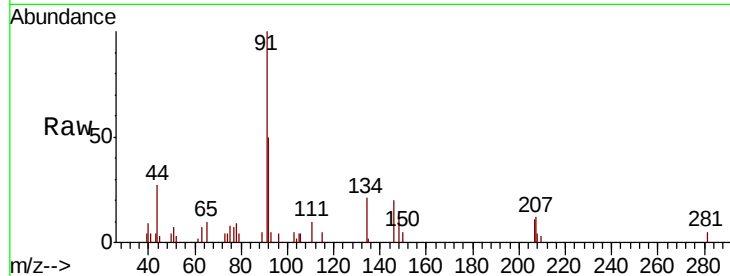




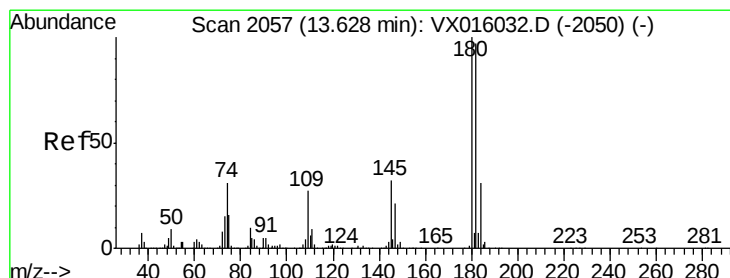
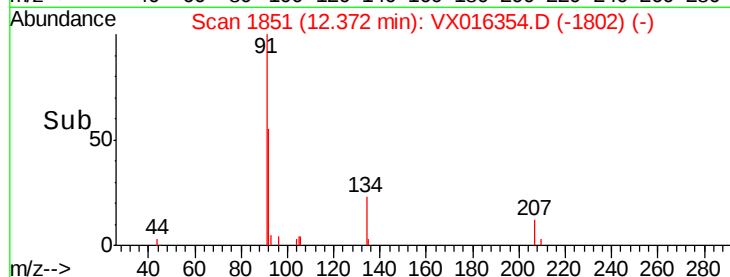
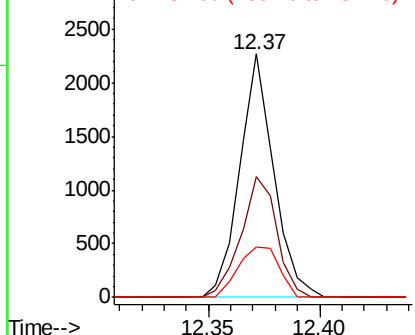
#89
n-Butylbenzene
Concen: 0.207 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX016354.D
Acq: 20 May 2020 12:50

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 91 Resp: 2414
Ion Ratio Lower Upper
91 100
92 52.5 27.6 82.7
134 25.0 13.4 40.1

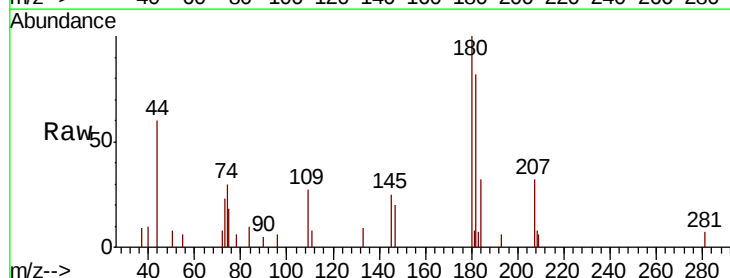


Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 92.00 (91.70 to 92.70): VX0
Ion 134.00 (133.70 to 134.70): V

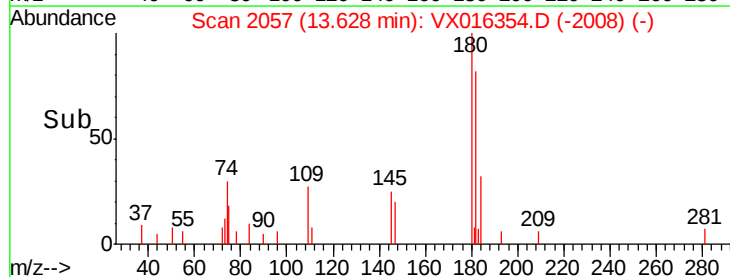
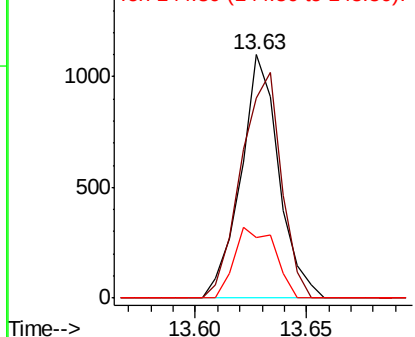


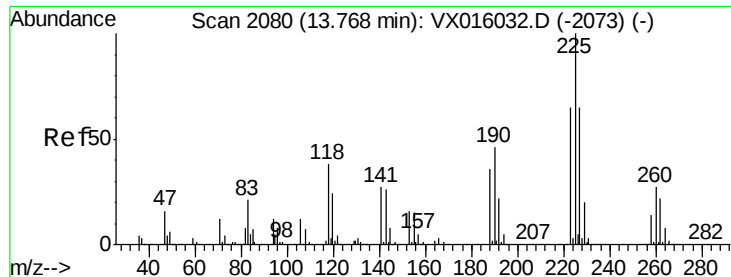
#93
1,2,4-Trichlorobenzene
Concen: 0.284 ug/l
RT: 13.63 min Scan# 2057
Delta R.T. -0.00 min
Lab File: VX016354.D
Acq: 20 May 2020 12:50

Tgt Ion: 180 Resp: 1311
Ion Ratio Lower Upper
180 100
182 98.0 48.7 146.1
145 30.8 15.7 47.1



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: 1.186 ug/l

RT: 13.76 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX016354.D

Acq: 20 May 2020 12:50

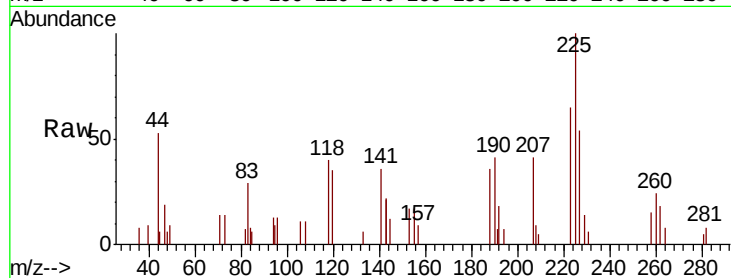
Instrument :

MSVOA_X

ClientSampled :

Tot Ion:225 Resp: 1333

Ion	Ratio	Lower	Upper
225	100		
223	63.2	32.3	96.9
227	62.2	31.8	95.4

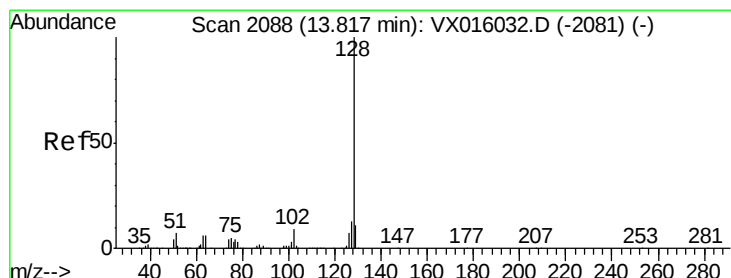
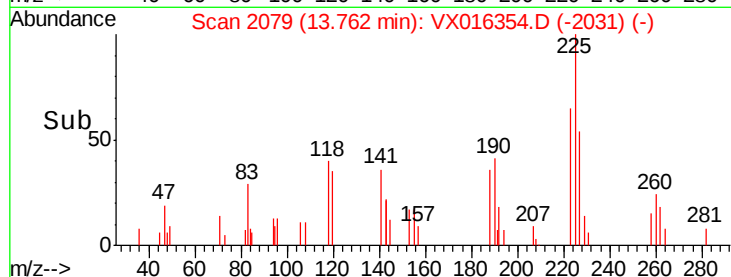
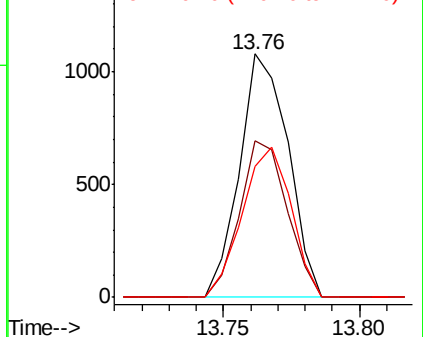


Abundance

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



#95

Naphthalene

Concen: 0.201 ug/l

RT: 13.82 min Scan# 2088

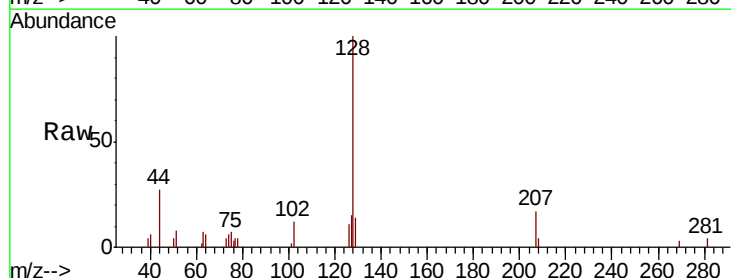
Delta R.T. -0.00 min

Lab File: VX016354.D

Acq: 20 May 2020 12:50

Tgt Ion:128 Resp: 3010

Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.2	15.4
129	10.0	8.7	13.1

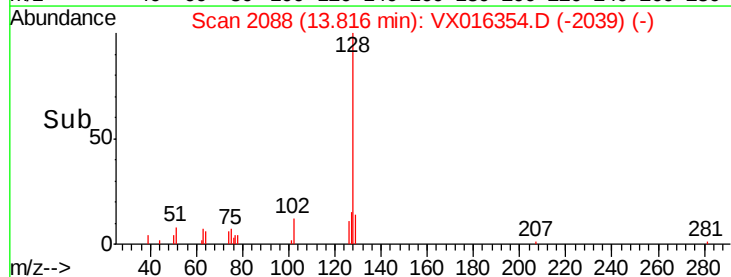
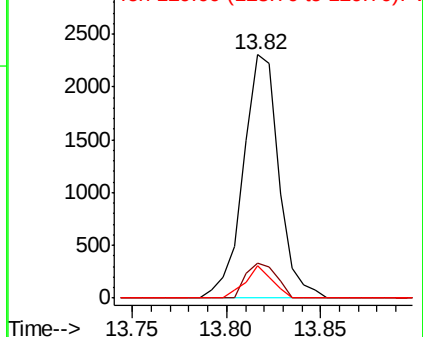


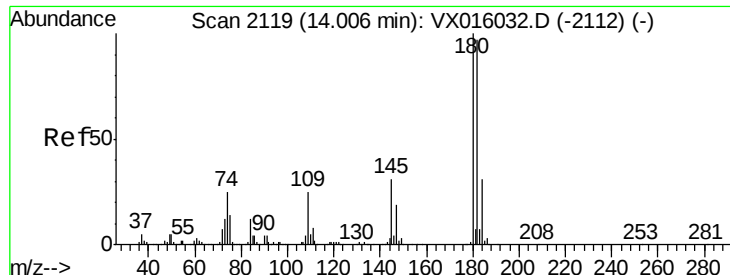
Abundance

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: 0.296 ug/l

RT: 14.00 min Scan# 2118

Delta R.T. -0.01 min

Lab File: VX016354.D

Acq: 20 May 2020 12:50

Instrument :

MSVOA_X

ClientSampleId :

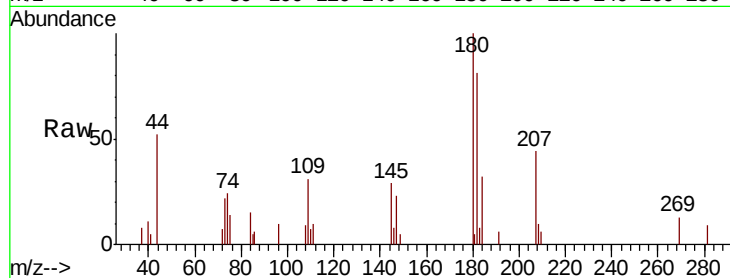
Tot Ion:180 Resp: 1335

Ion Ratio Lower Upper

180 100

182 90.0 48.4 145.0

145 31.1 16.4 49.1



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

