

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050820\
 Data File : VX016121.D
 Acq On : 08 May 2020 15:18
 Operator : JC/SP
 Sample : L2563-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 09 01:49:02 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	5.64	168	278287	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	470489	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	452876	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	234788	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	177635	48.51	ug/l	0.00
Spiked Amount			Recovery	=	97.02%	
35) Dibromofluoromethane	5.47	113	138856	46.58	ug/l	0.00
Spiked Amount			Recovery	=	93.16%	
50) Toluene-d8	8.70	98	572683	49.86	ug/l	0.00
Spiked Amount			Recovery	=	99.72%	
62) 4-Bromofluorobenzene	11.12	95	229086	52.44	ug/l	0.00
Spiked Amount			Recovery	=	104.88%	

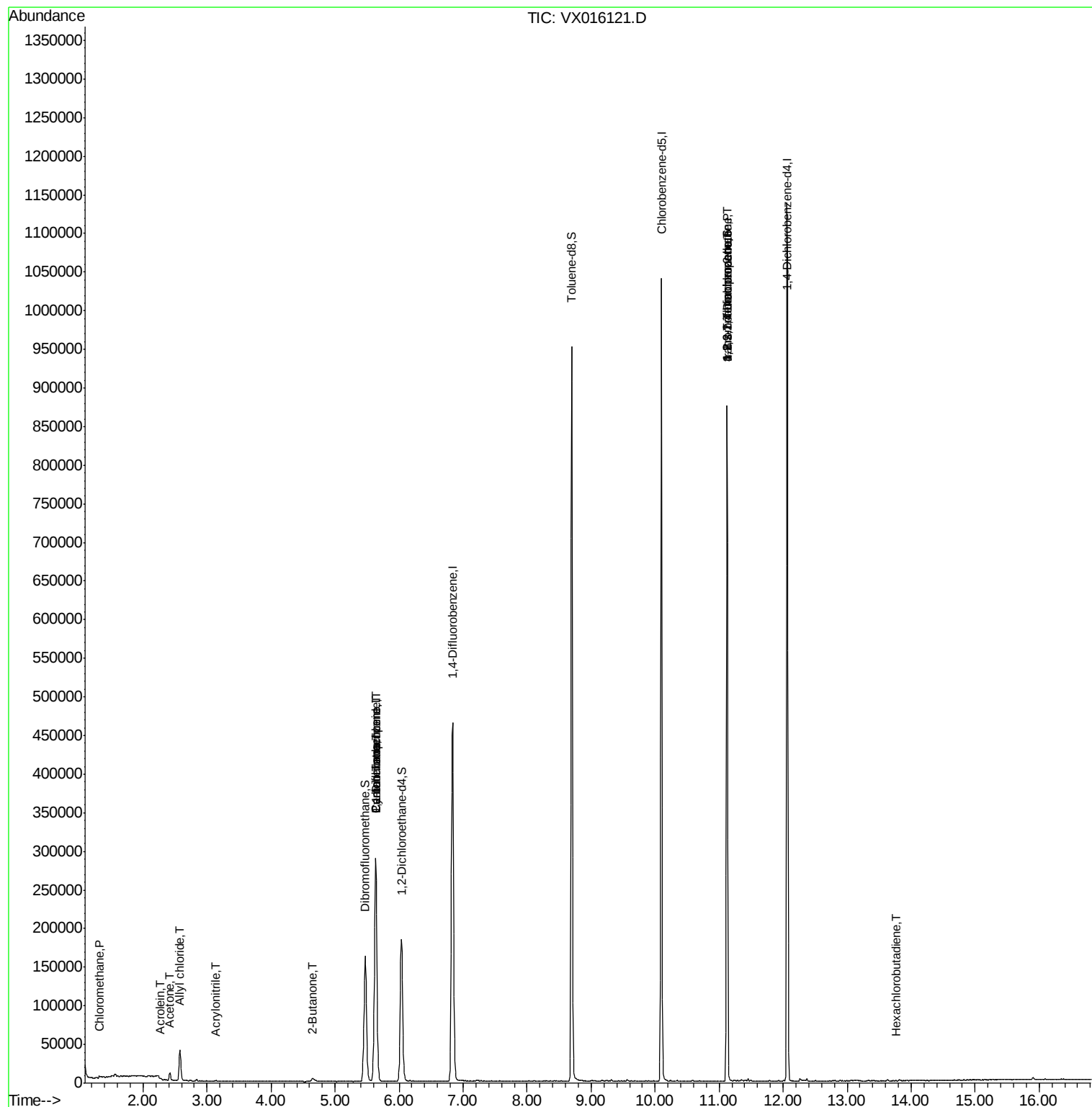
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	944	0.276	ug/l #	82
13) Acrolein	2.28	56	196	0.338	ug/l #	14
14) Allyl chloride	2.57	41	4129	0.778	ug/l #	68
15) Acrylonitrile	3.13	53	456	0.237	ug/l #	76
16) Acetone	2.42	43	9674	5.921	ug/l	97
17) Carbon Disulfide	2.56	76	1792	Below Cal		99
25) 2-Butanone	4.64	43	769	0.292	ug/l #	48
31) Cyclohexane	5.63	56	5804	1.141	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	21386	4.618	ug/l #	50
38) Carbon Tetrachloride	5.63	117	27318	5.803	ug/l #	14
75) 1,1,2,2-Tetrachloroethane	11.12	83	190	2.109	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	115700	21.716	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	115700	51.751	ug/l #	13
94) Hexachlorobutadiene	13.77	225	122	0.573	ug/l	77

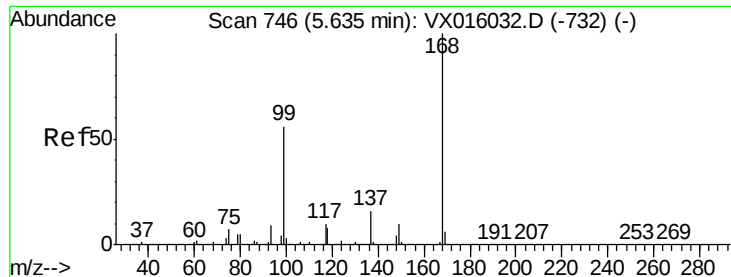
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX016121.D

Acq: 08 May 2020 15:18

Instrument :

MSVOA_X

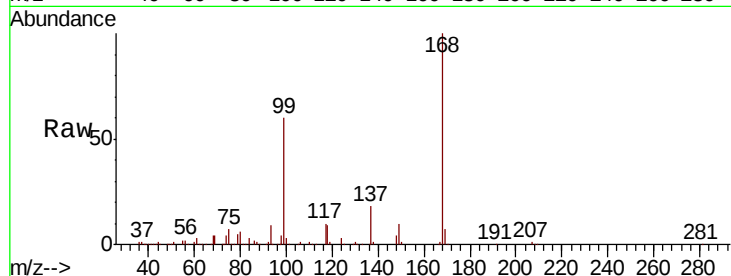
ClientSampleId :

Tot Ion:168 Resp: 278287

Ion Ratio Lower Upper

168 100

99 59.8 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

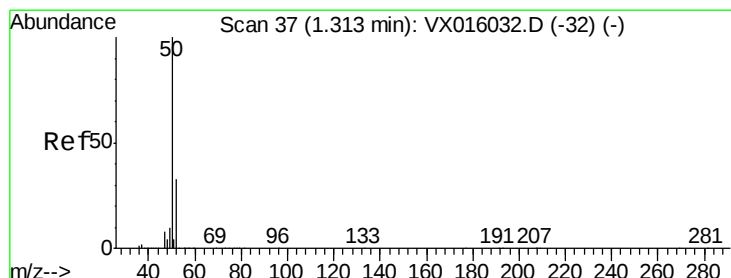
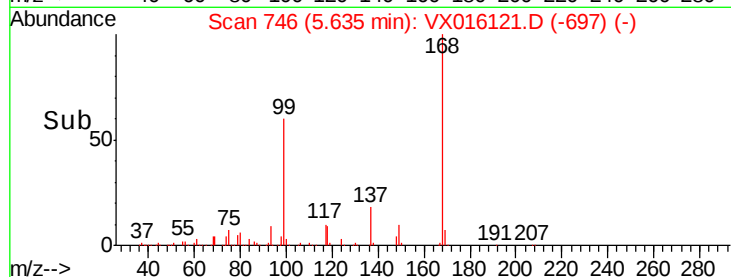
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.276 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016121.D

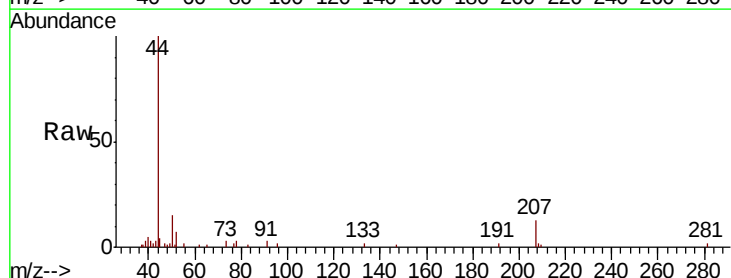
Acq: 08 May 2020 15:18

Tgt Ion: 50 Resp: 944

Ion Ratio Lower Upper

50 100

52 42.7 26.1 39.1#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

800

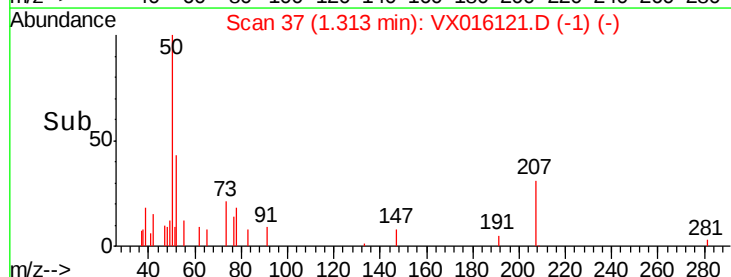
600

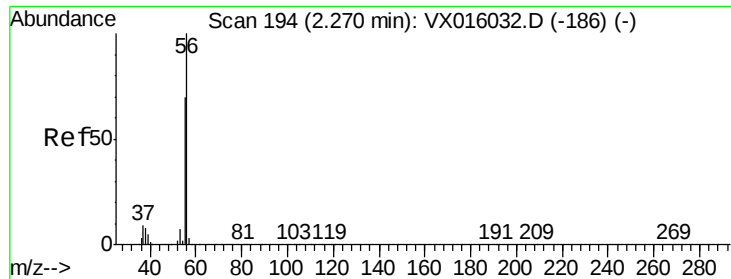
400

200

0

Time-->

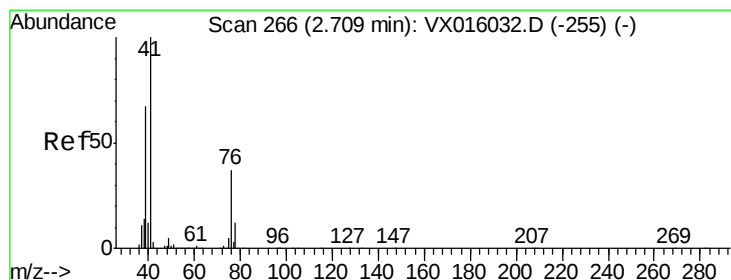
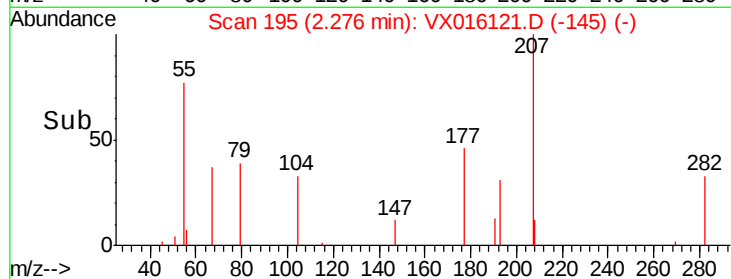
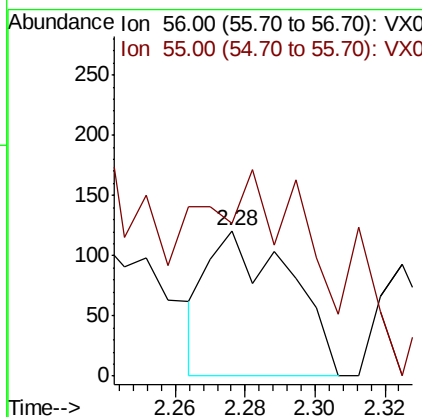
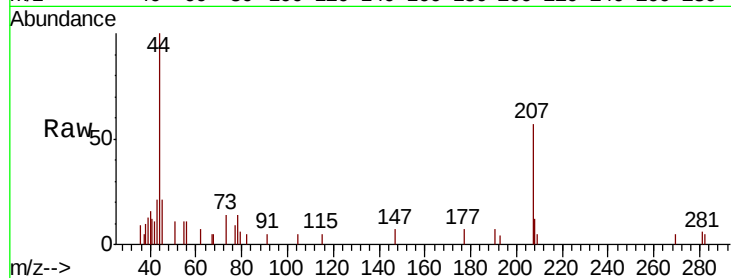




#13
Acrolein
Concen: 0.338 ug/l
RT: 2.28 min Scan# 195
Delta R.T. 0.01 min
Lab File: VX016121.D
Acq: 08 May 2020 15:18

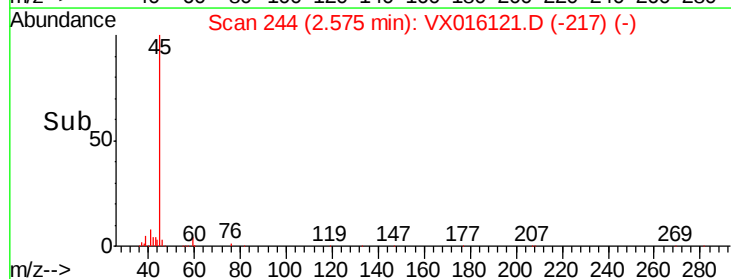
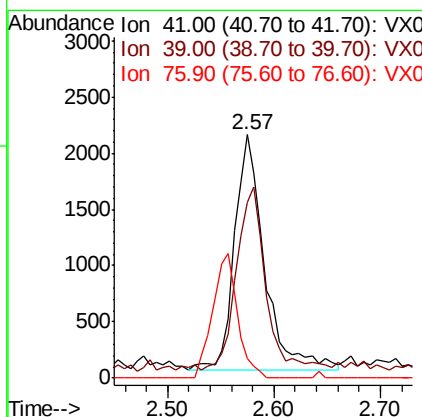
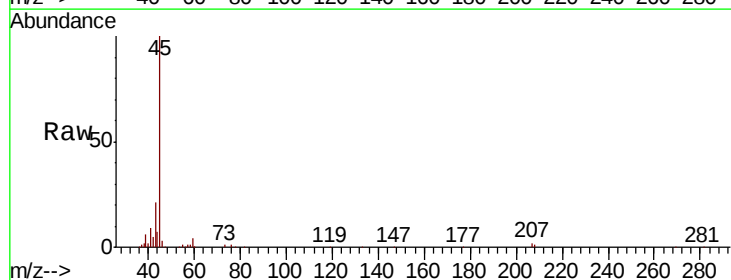
Instrument :
MSVOA_X
ClientSampled :

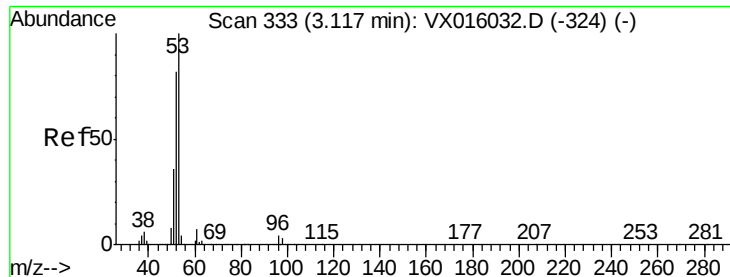
Tot Ion: 56 Resp: 196
Ion Ratio Lower Upper
56 100
55 0.0 56.5 84.7#



#14
Allyl chloride
Concen: 0.778 ug/l
RT: 2.57 min Scan# 244
Delta R.T. -0.13 min
Lab File: VX016121.D
Acq: 08 May 2020 15:18

Tgt Ion: 41 Resp: 4129
Ion Ratio Lower Upper
41 100
39 76.7 50.5 75.7#
76 0.0 26.6 40.0#





#15

Acrylonitrile

Concen: 0.237 ug/l

RT: 3.13 min Scan# 335

Delta R.T. 0.01 min

Lab File: VX016121.D

Acq: 08 May 2020 15:18

Instrument :

MSVOA_X

ClientSampled :

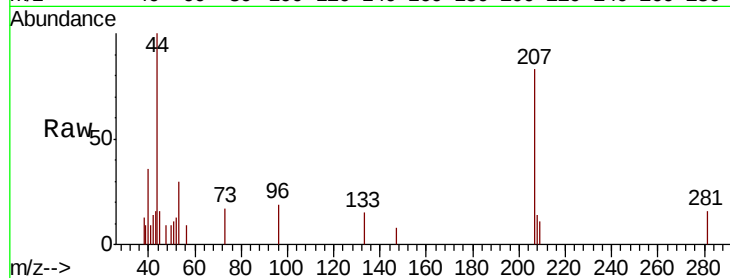
Tot Ion: 53 Resp: 456

Ion Ratio Lower Upper

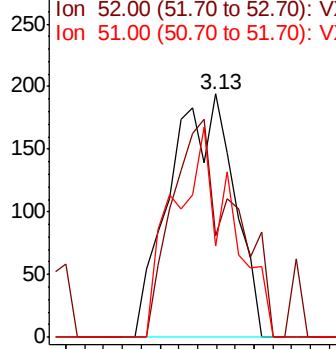
53 100

52 86.0 66.1 99.1

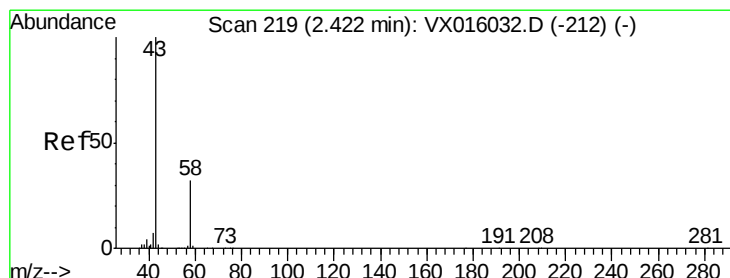
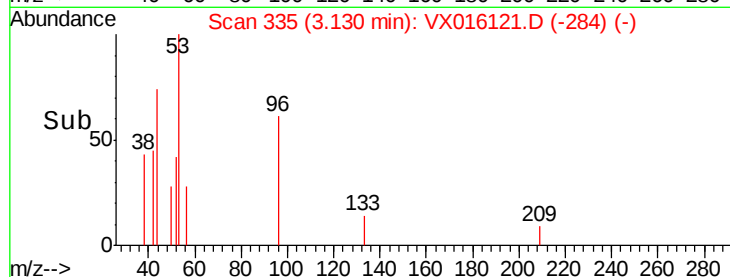
51 77.4 28.8 43.2#



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



Time-->



#16

Acetone

Concen: 5.921 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX016121.D

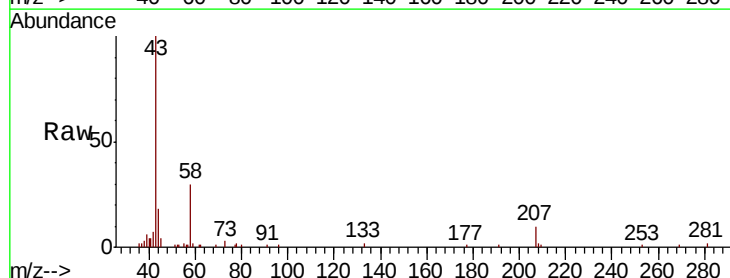
Acq: 08 May 2020 15:18

Tgt Ion: 43 Resp: 9674

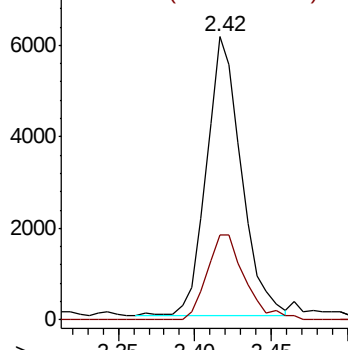
Ion Ratio Lower Upper

43 100

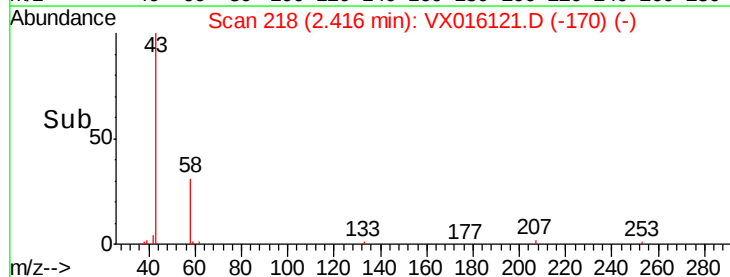
58 30.3 25.4 38.0

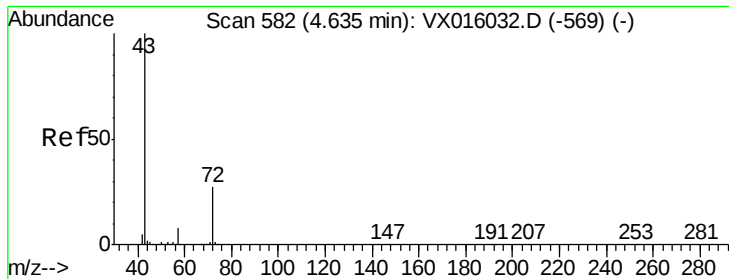


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0



Time-->





#25

2-Butanone

Concen: 0.292 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX016121.D

Acq: 08 May 2020 15:18

Instrument :

MSVOA_X

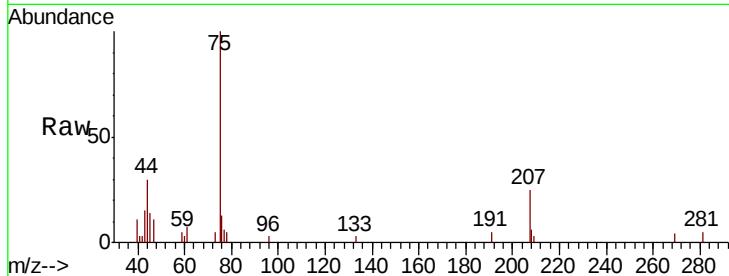
ClientSampleId :

Tot Ion: 43 Resp: 769

Ion Ratio Lower Upper

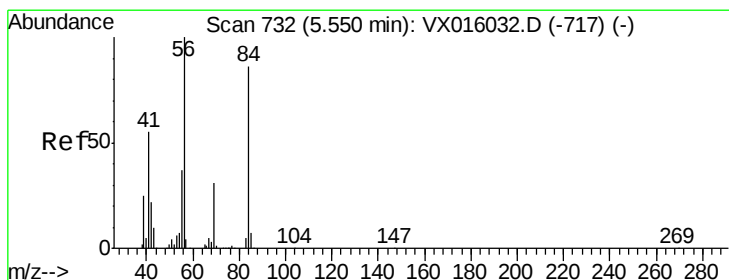
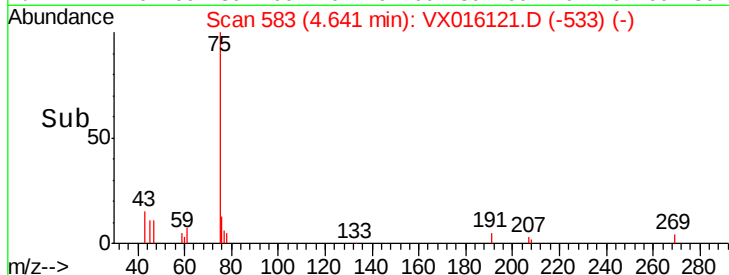
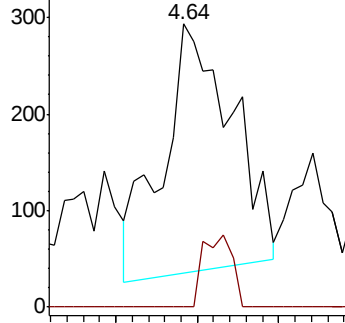
43 100

72 0.0 21.8 32.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#31

Cyclohexane

Concen: 1.141 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.08 min

Lab File: VX016121.D

Acq: 08 May 2020 15:18

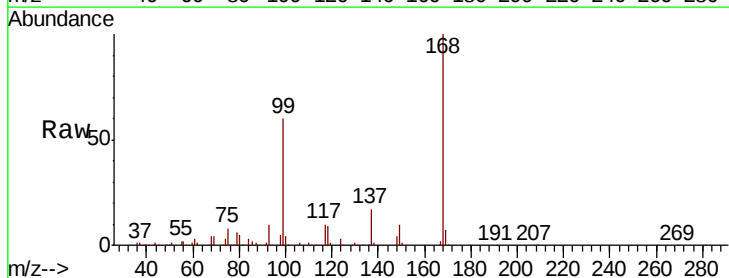
Tgt Ion: 56 Resp: 5804

Ion Ratio Lower Upper

56 100

69 179.8 25.0 37.6#

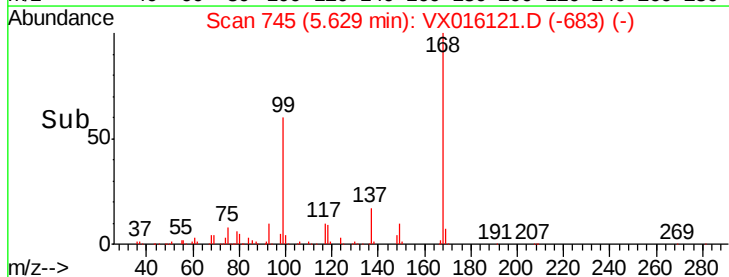
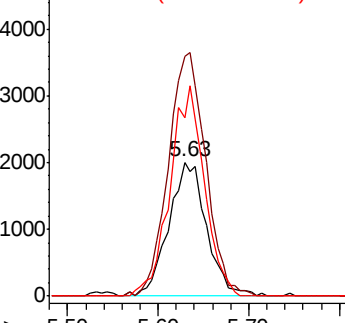
84 133.3 69.0 103.6#

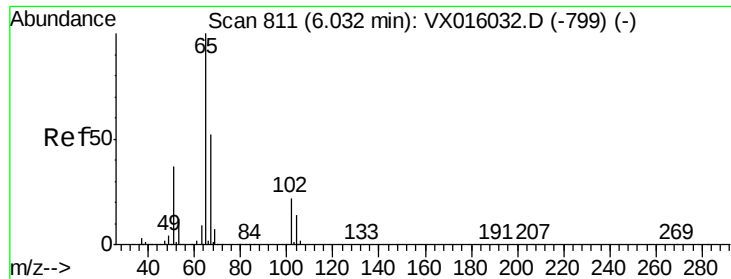


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 48.508 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX016121.D

Acq: 08 May 2020 15:18

Instrument :

MSVOA_X

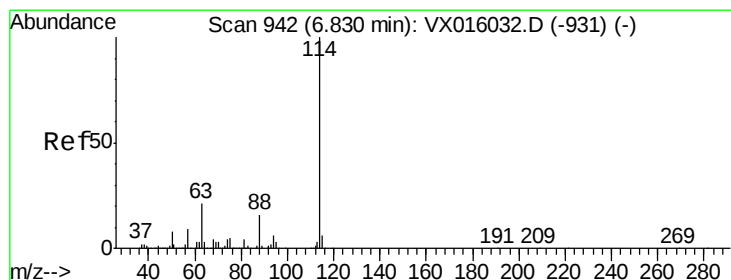
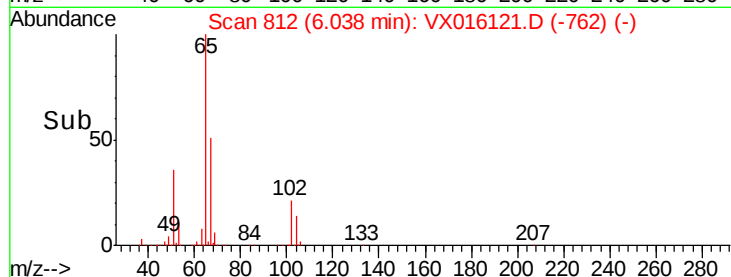
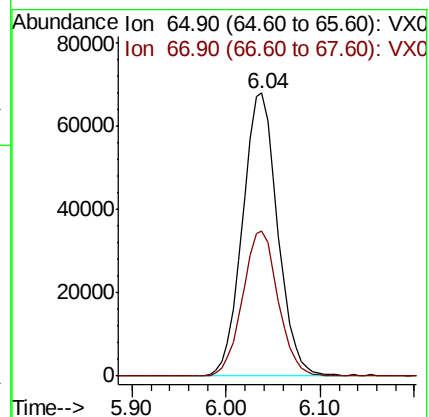
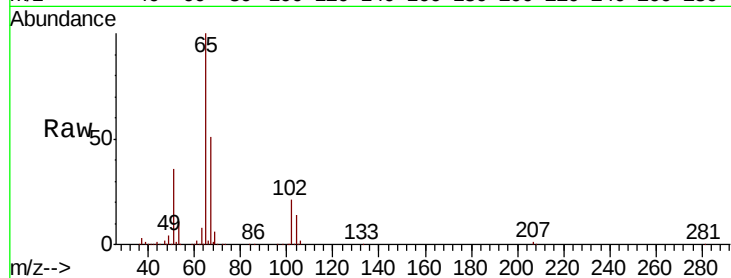
ClientSampleId :

Tot Ion: 65 Resp: 177635

Ion Ratio Lower Upper

65 100

67 52.1 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016121.D

Acq: 08 May 2020 15:18

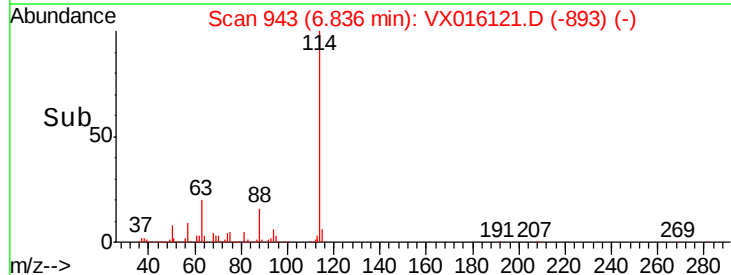
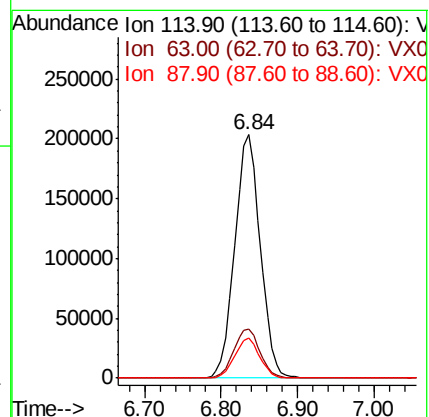
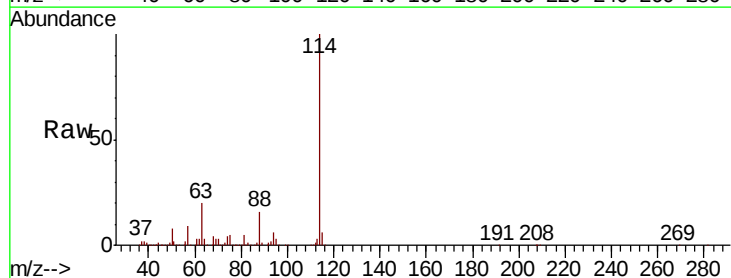
Tgt Ion: 114 Resp: 470489

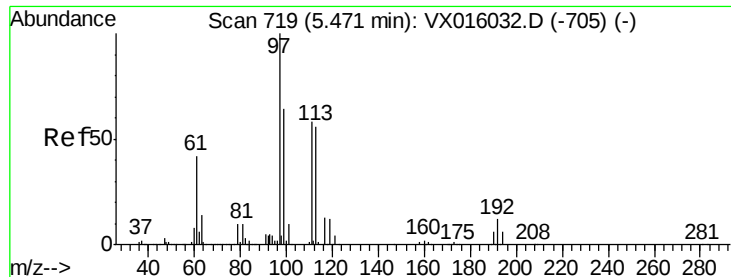
Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.8

88 16.4 0.0 31.4





#35

Dibromofluoromethane

Concen: 46.584 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

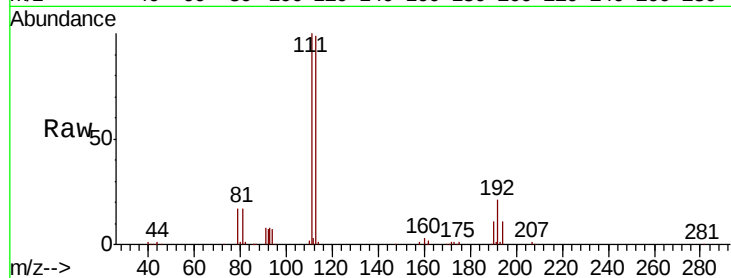
Lab File: VX016121.D

Acq: 08 May 2020 15:18

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:113 Resp: 138856

Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.6	122.4
192	21.1	17.0	25.4

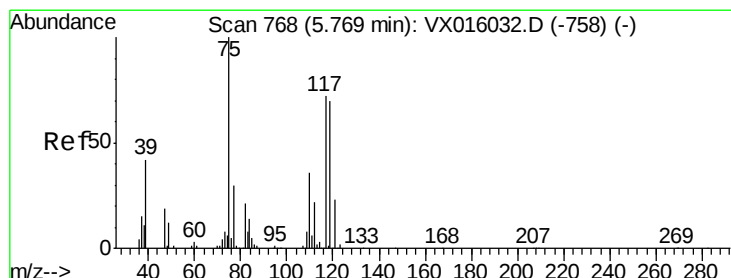
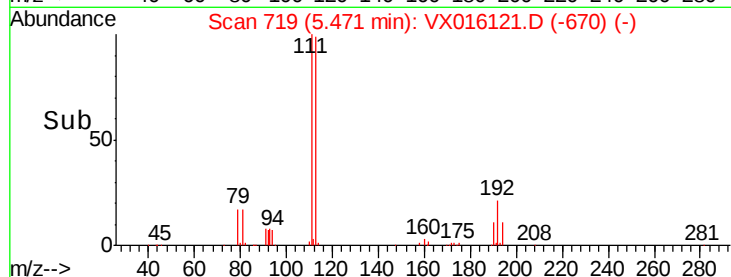
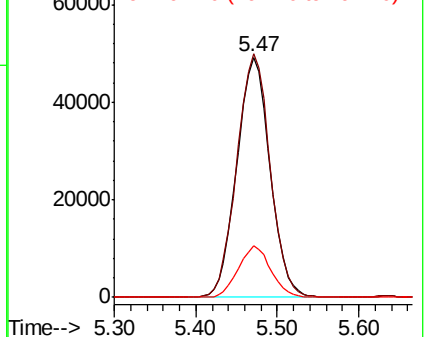


Abundance

Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.618 ug/l

RT: 5.63 min Scan# 745

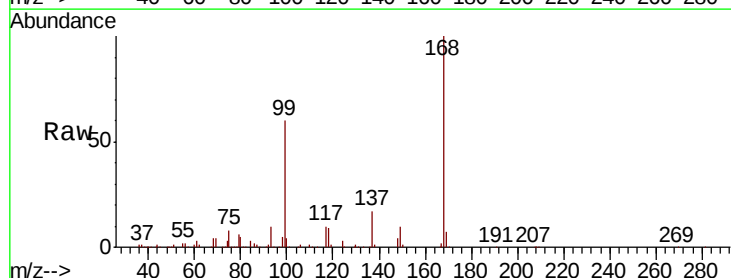
Delta R.T. -0.14 min

Lab File: VX016121.D

Acq: 08 May 2020 15:18

Tgt Ion: 75 Resp: 21386

Ion	Ratio	Lower	Upper
75	100		
110	9.4	18.1	54.1#
77	0.5	25.0	37.6#

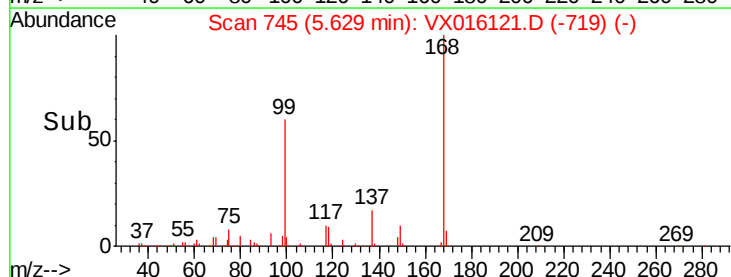
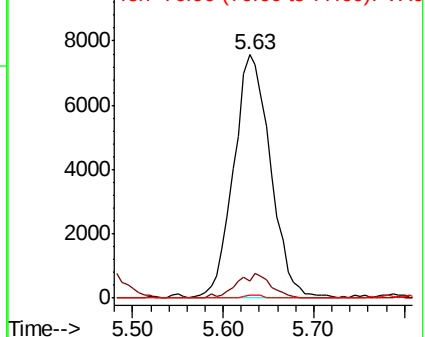


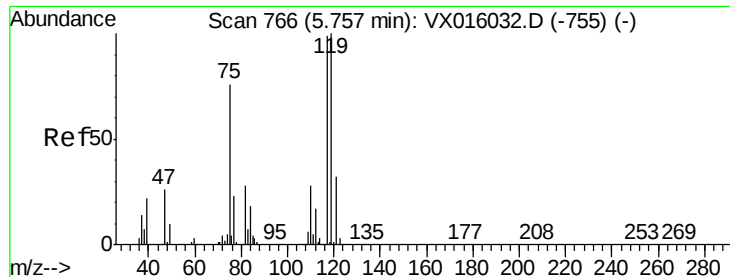
Abundance

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: 5.803 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016121.D

Acq: 08 May 2020 15:18

Instrument :

MSVOA_X

ClientSampleId :

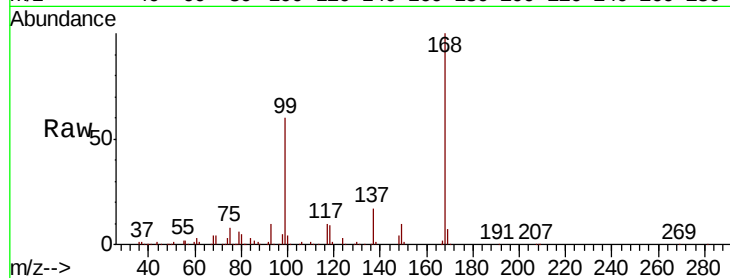
Tot Ion:117 Resp: 27318

Ion Ratio Lower Upper

117 100

119 5.4 80.3 120.5#

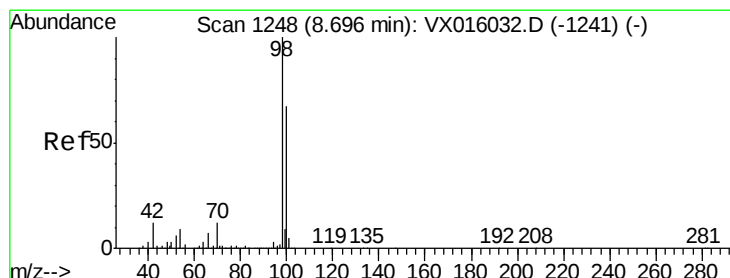
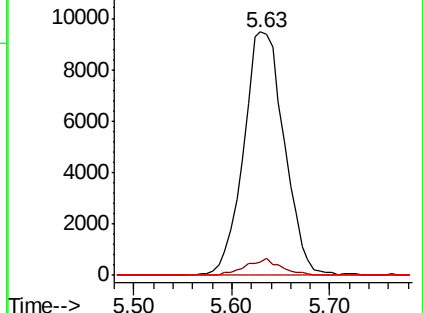
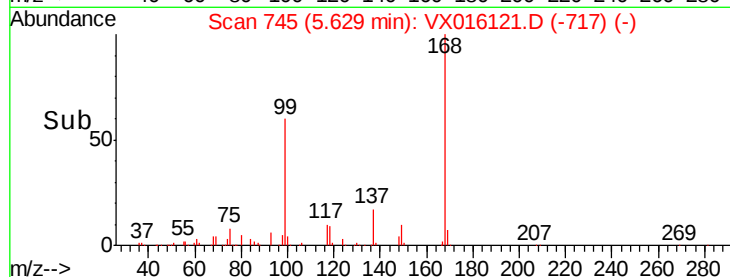
121 0.0 25.7 38.5#



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: 49.863 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX016121.D

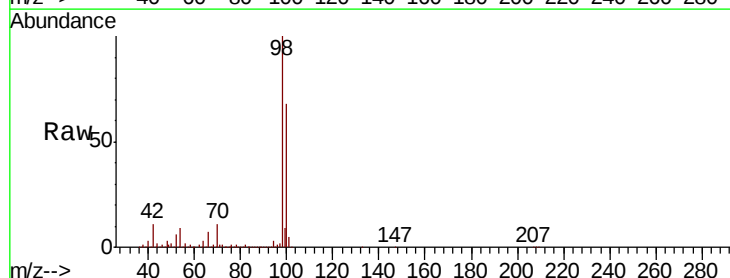
Acq: 08 May 2020 15:18

Tgt Ion: 98 Resp: 572683

Ion Ratio Lower Upper

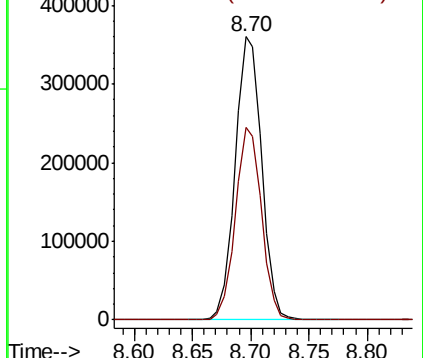
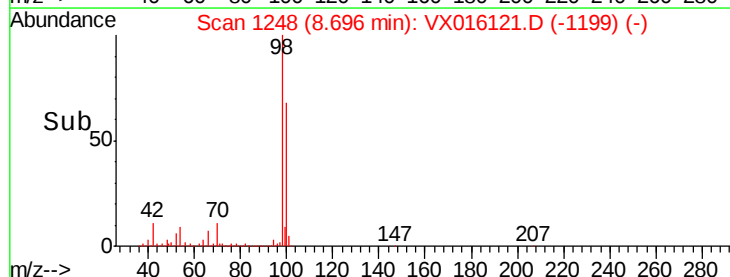
98 100

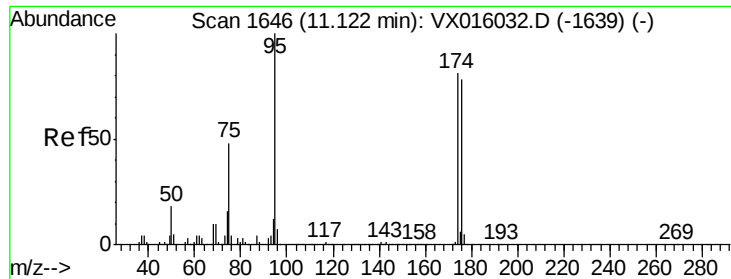
100 67.1 53.7 80.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 52.442 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016121.D

Acq: 08 May 2020 15:18

Instrument :

MSVOA_X

ClientSampleId :

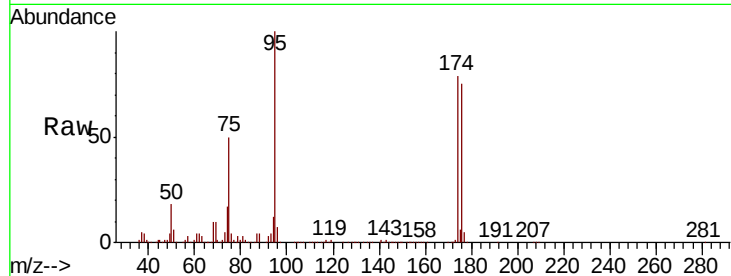
Tot Ion: 95 Resp: 229086

Ion Ratio Lower Upper

95 100

174 80.6 0.0 159.4

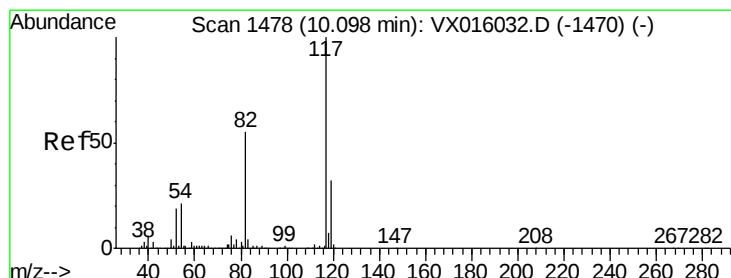
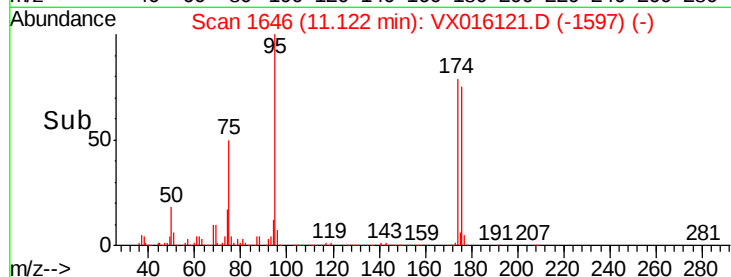
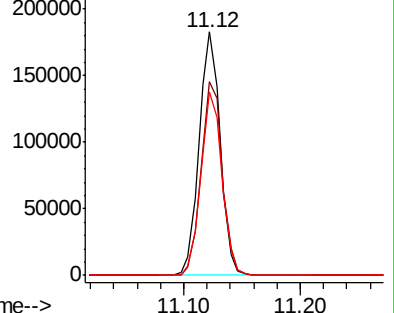
176 76.1 0.0 157.6



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) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016121.D

Acq: 08 May 2020 15:18

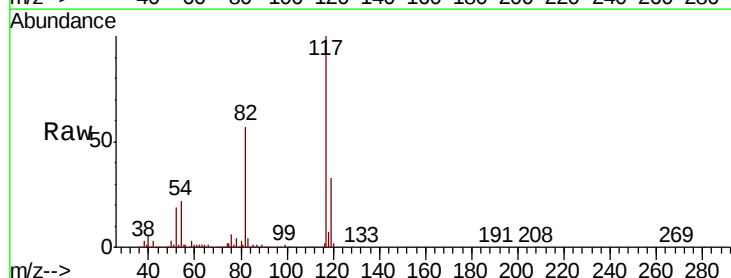
Tgt Ion: 117 Resp: 452876

Ion Ratio Lower Upper

117 100

82 57.5 44.4 66.6

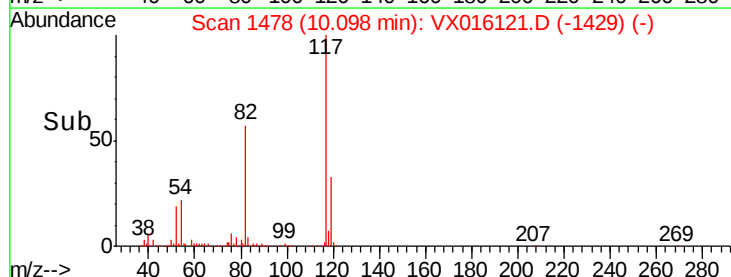
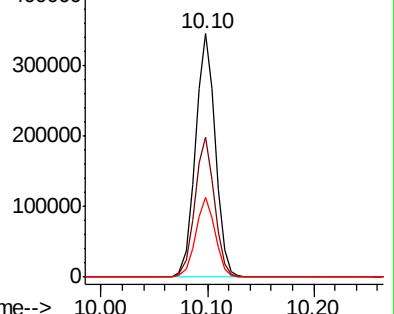
119 32.6 25.5 38.3

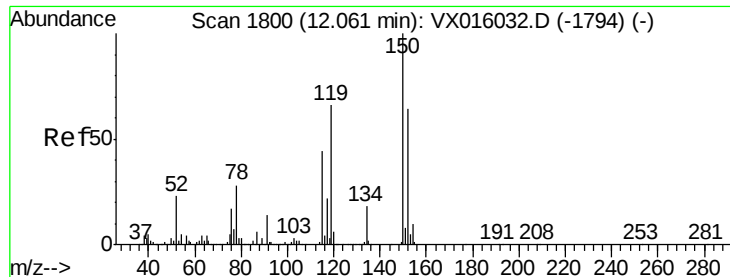


Abundance Ion 116.90 (116.60 to 117.60): VX016032.D (-1470) (-)

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

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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX016121.D

Acq: 08 May 2020 15:18

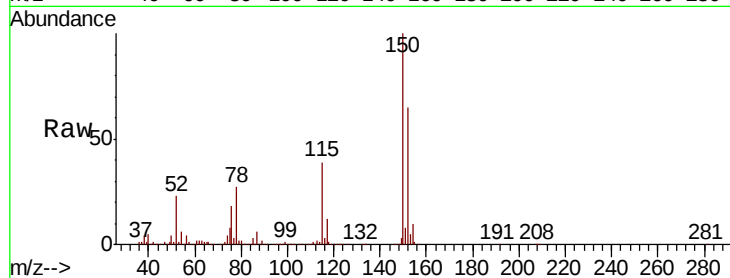
Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:152 Resp: 234788

Ion	Ratio	Lower	Upper
152	100		
115	59.2	41.3	124.1
150	156.8	0.0	352.2

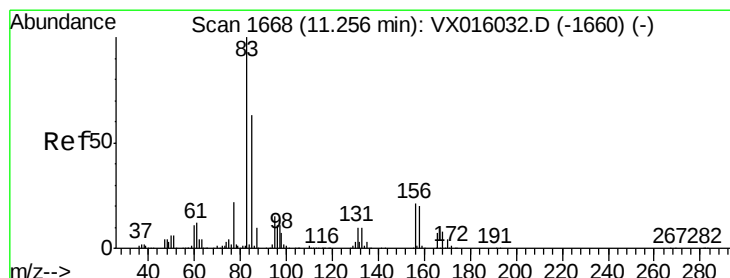
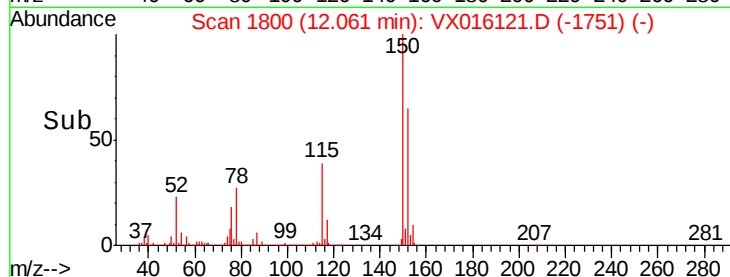
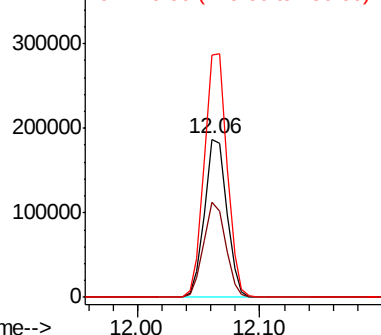


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#75

1,1,2,2-Tetrachloroethane

Concen: 2.109 ug/l

RT: 11.12 min Scan# 1645

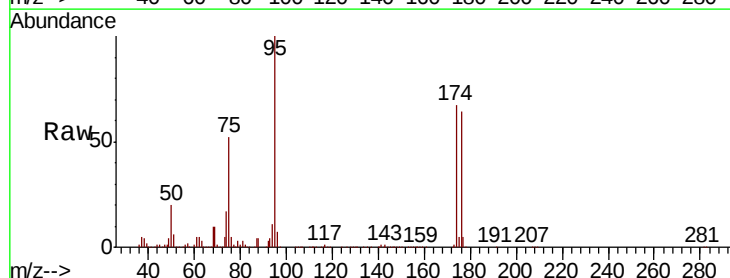
Delta R.T. -0.14 min

Lab File: VX016121.D

Acq: 08 May 2020 15:18

Tgt Ion: 83 Resp: 190

Ion	Ratio	Lower	Upper
83	100		
131	188.9	5.1	15.4#
85	0.0	32.0	96.0#

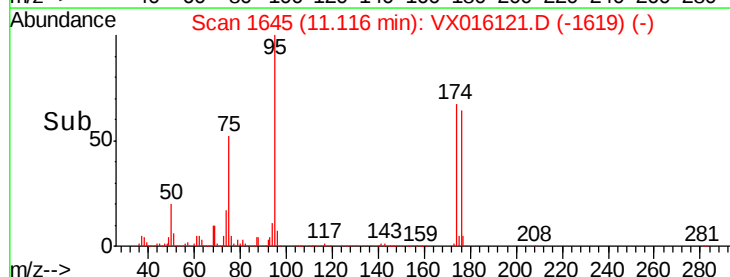
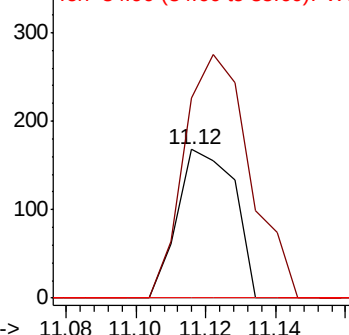


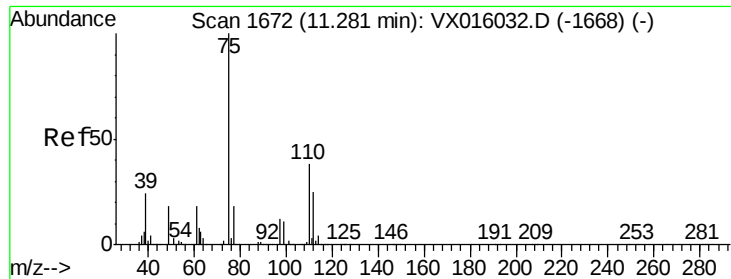
Abundance

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: 21.716 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016121.D

Acq: 08 May 2020 15:18

Instrument :

MSVOA_X

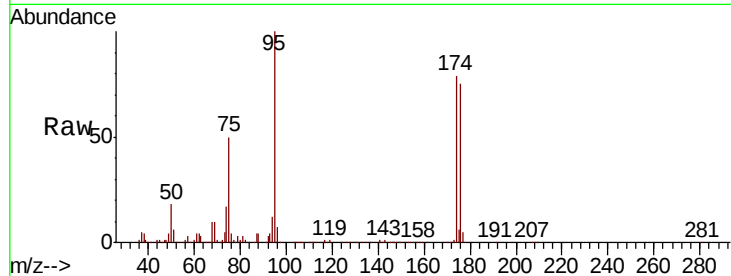
ClientSampleId :

Tot Ion: 75 Resp: 115700

Ion Ratio Lower Upper

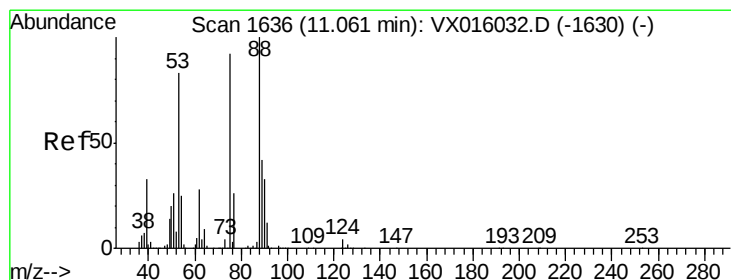
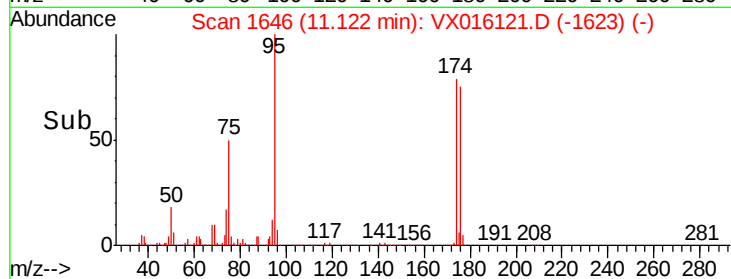
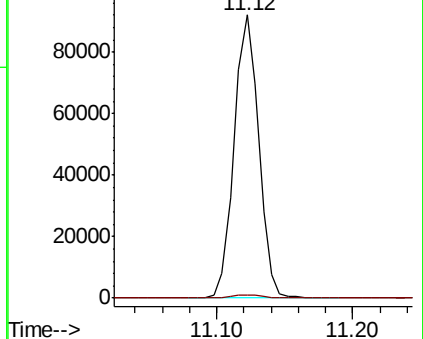
75 100

77 1.4 21.2 63.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#81

trans-1,4-Dichloro-2-butene

Concen: 51.751 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016121.D

Acq: 08 May 2020 15:18

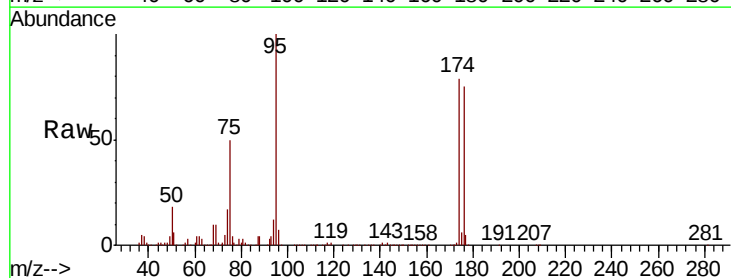
Tgt Ion: 75 Resp: 115700

Ion Ratio Lower Upper

75 100

53 0.0 73.1 109.7#

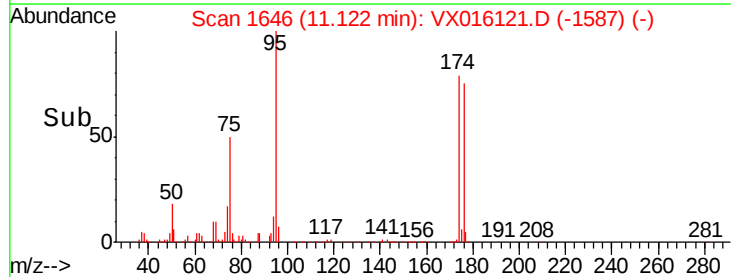
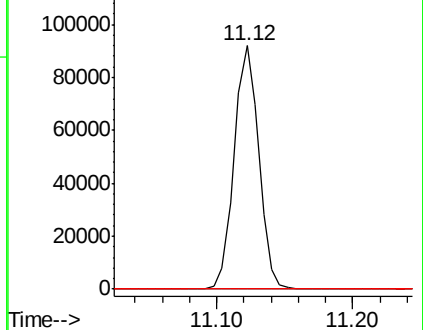
89 0.0 36.7 55.1#

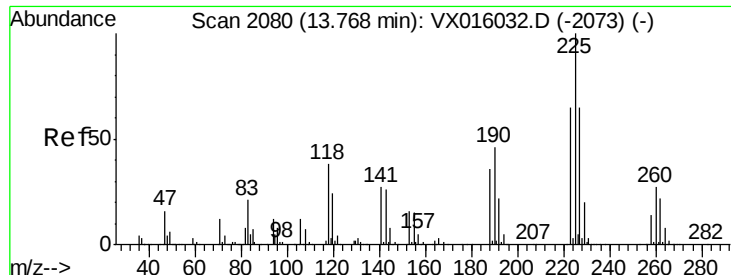


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#94

Hexachlorobutadiene

Concen: 0.573 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX016121.D

Acq: 08 May 2020 15:18

Instrument :

MSVOA_X

ClientSampleId :

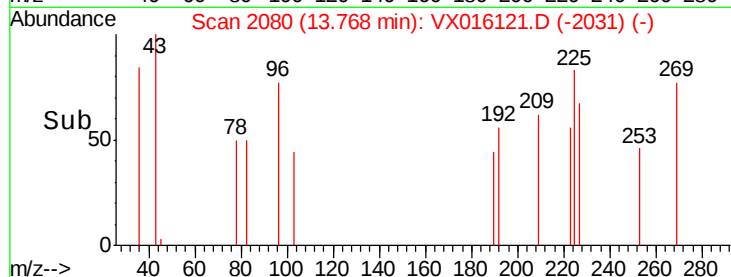
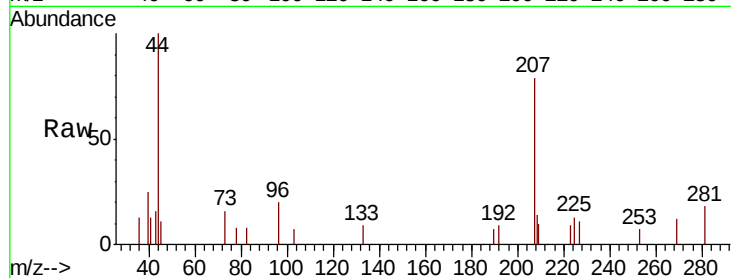
Tot Ion:225 Resp: 122

Ion Ratio Lower Upper

225 100

223 78.7 32.3 96.9

227 41.0 31.8 95.4



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

