

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051920\
 Data File : VX016336.D
 Acq On : 19 May 2020 15:50
 Operator : JC/SP
 Sample : L2672-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WP021MW002-200514

Quant Time: May 20 03:48:05 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	233916	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	389882	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	378701	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	194307	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	140044	45.50	ug/l	0.00
Spiked Amount			Recovery	=	91.00%	
35) Dibromofluoromethane	5.47	113	113612	46.00	ug/l	0.00
Spiked Amount			Recovery	=	92.00%	
50) Toluene-d8	8.70	98	479436	50.37	ug/l	0.00
Spiked Amount			Recovery	=	100.74%	
62) 4-Bromofluorobenzene	11.12	95	189872	52.45	ug/l	0.00
Spiked Amount			Recovery	=	104.90%	

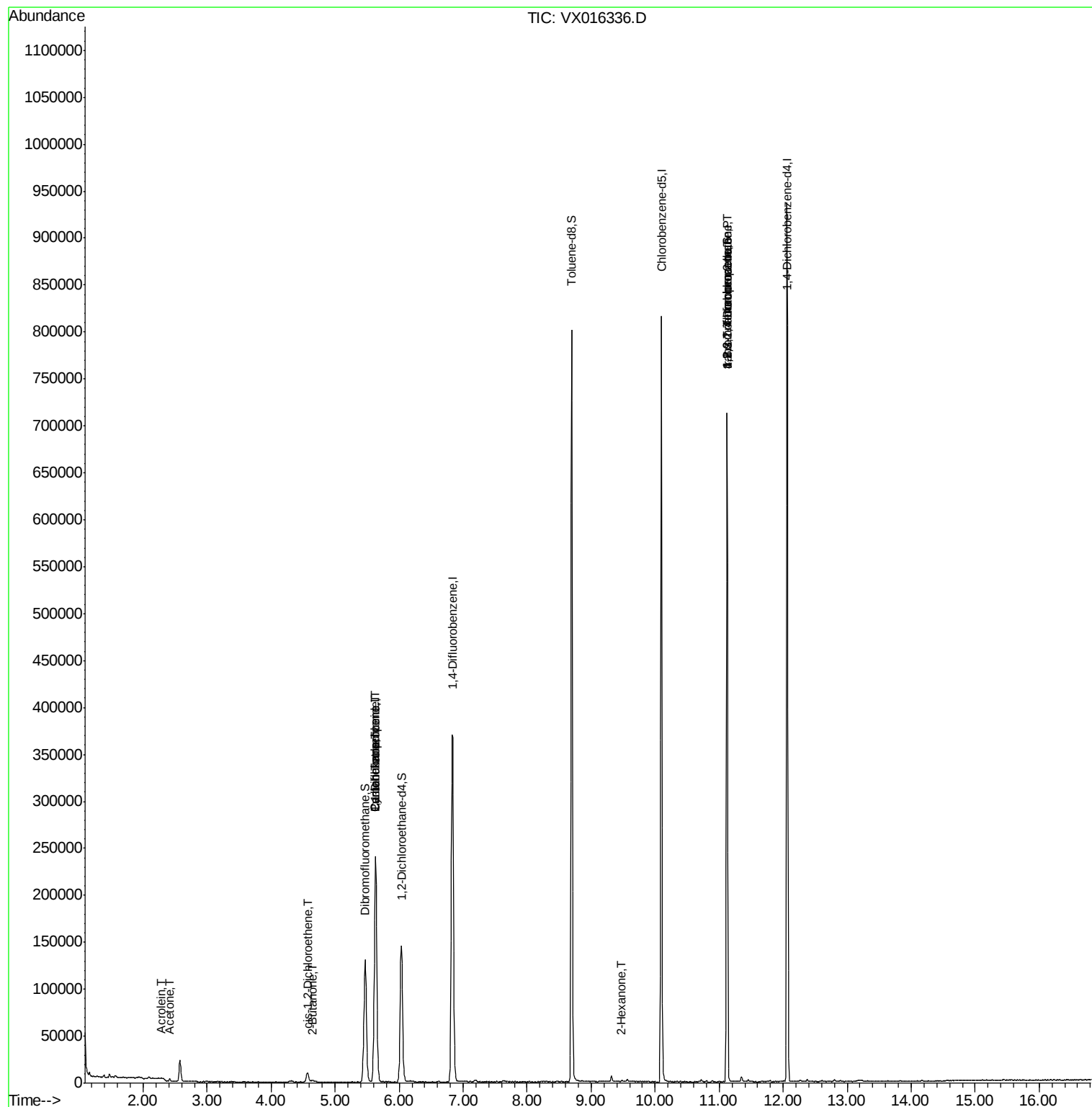
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	2.28	56	335	0.688	ug/l #	23
16) Acetone	2.42	43	2629	1.914	ug/l #	85
17) Carbon Disulfide	2.56	76	818	Below Cal	#	71
25) 2-Butanone	4.65	43	2540	1.148	ug/l #	79
27) cis-1,2-Dichloroethene	4.57	96	6660	2.248	ug/l	83
31) Cyclohexane	5.64	56	4231	0.989	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	17031	4.438	ug/l #	49
38) Carbon Tetrachloride	5.64	117	21805	5.590	ug/l #	14
59) 2-Hexanone	9.48	43	878	0.257	ug/l	83
75) 1,1,2,2-Tetrachloroethane	11.12	83	91	2.083	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	92043	20.875	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	92043	49.746	ug/l #	13

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

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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: VX016336.D

Acq: 19 May 2020 15:50

Instrument :

MSVOA_X

ClientSampleId :

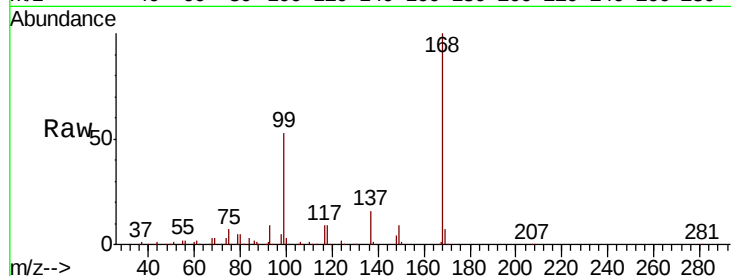
WP021MW002-200514

Tot Ion:168 Resp: 233916

Ion Ratio Lower Upper

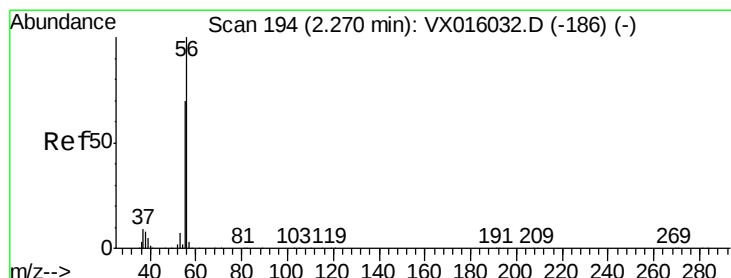
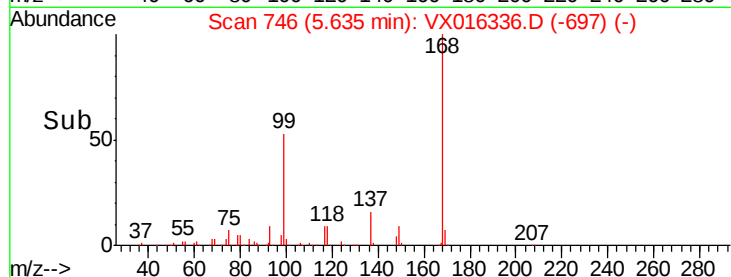
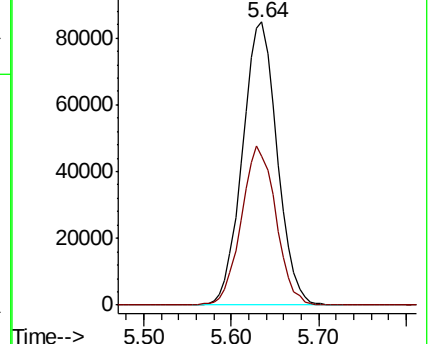
168 100

99 52.9 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#13

Acrolein

Concen: 0.688 ug/l

RT: 2.28 min Scan# 196

Delta R.T. 0.01 min

Lab File: VX016336.D

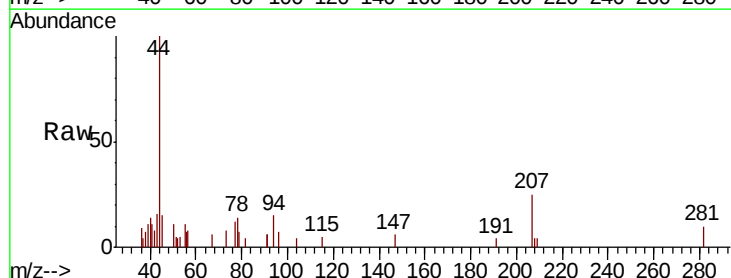
Acq: 19 May 2020 15:50

Tgt Ion: 56 Resp: 335

Ion Ratio Lower Upper

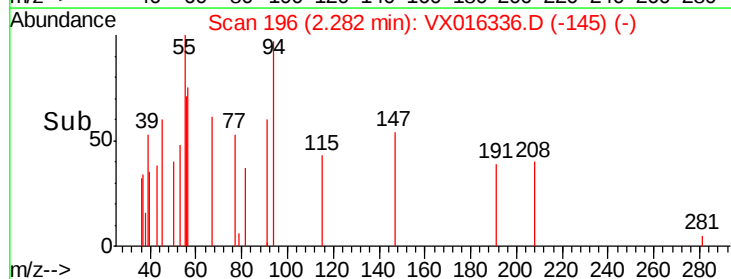
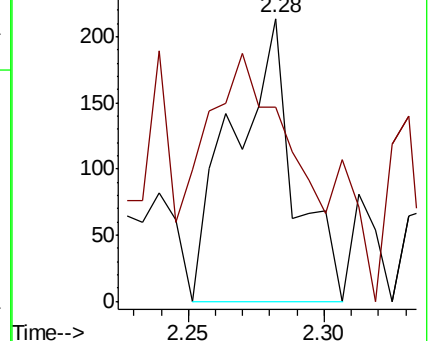
56 100

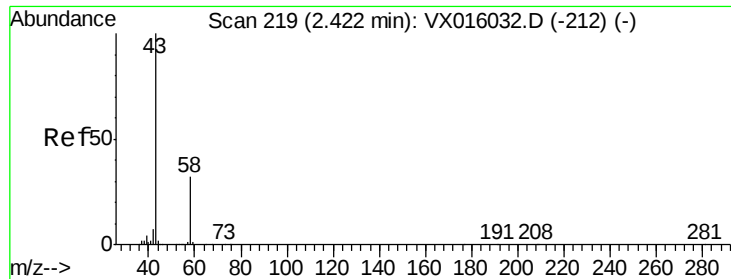
55 133.7 56.5 84.7#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 1.914 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX016336.D

Acq: 19 May 2020 15:50

Instrument :

MSVOA_X

ClientSampleId :

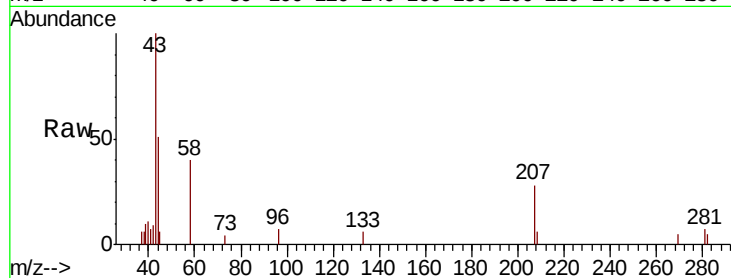
WP021MW002-200514

Tot Ion: 43 Resp: 2629

Ion Ratio Lower Upper

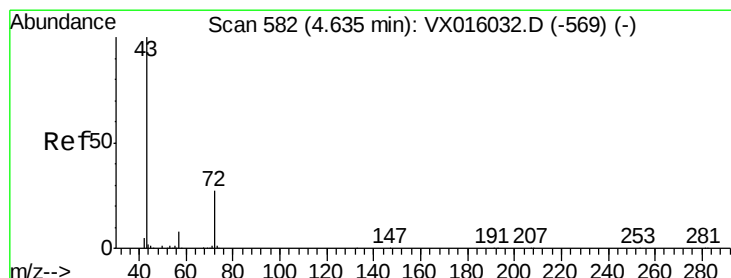
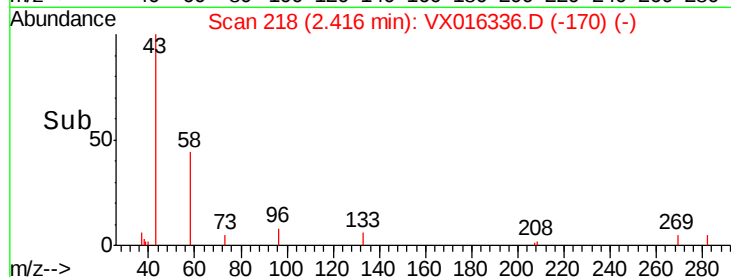
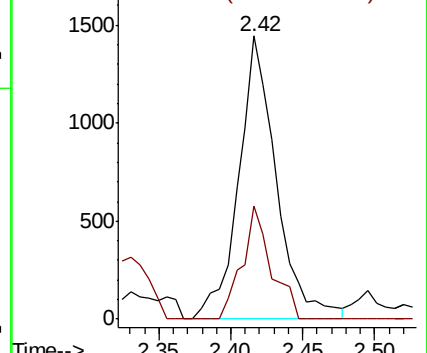
43 100

58 40.0 25.4 38.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#25

2-Butanone

Concen: 1.148 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX016336.D

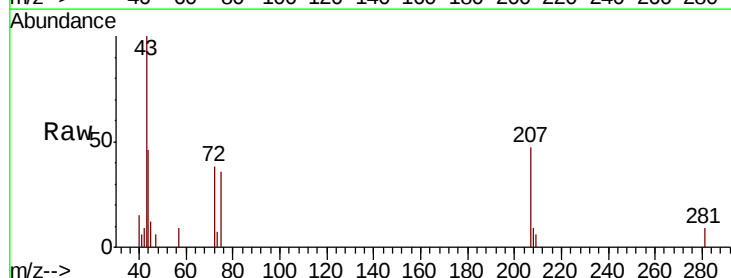
Acq: 19 May 2020 15:50

Tgt Ion: 43 Resp: 2540

Ion Ratio Lower Upper

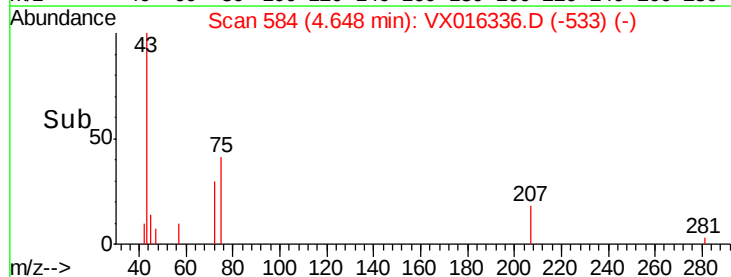
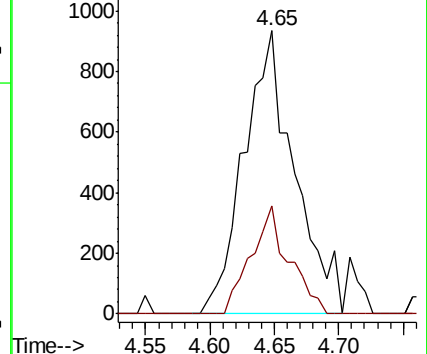
43 100

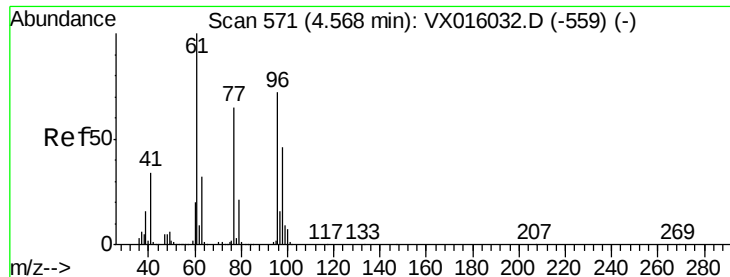
72 38.2 21.8 32.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



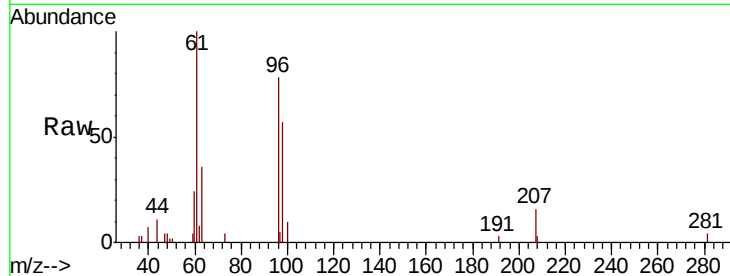


#27

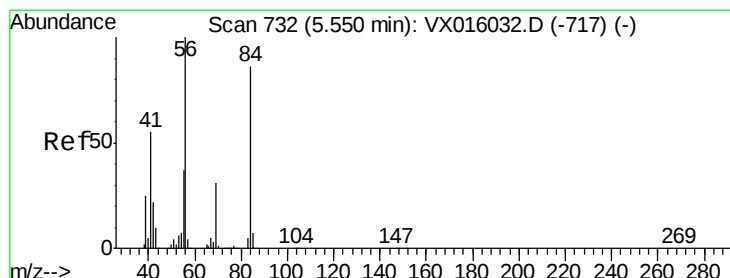
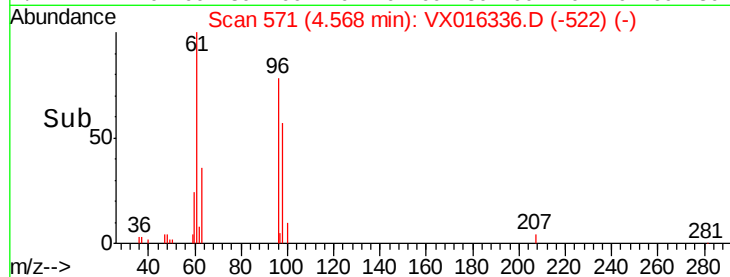
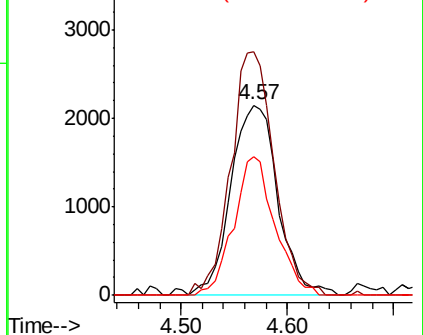
cis-1,2-Dichloroethene
 Concen: 2.248 ug/l
 RT: 4.57 min Scan# 571
 Delta R.T. -0.00 min
 Lab File: VX016336.D
 Acq: 19 May 2020 15:50

Instrument :
 MSVOA_X
 ClientSampleId :
 WP021MW002-200514

Tot Ion	Ratio	Lower	Upper
96	100		
61	117.9	0.0	296.2
98	63.9	0.0	129.4



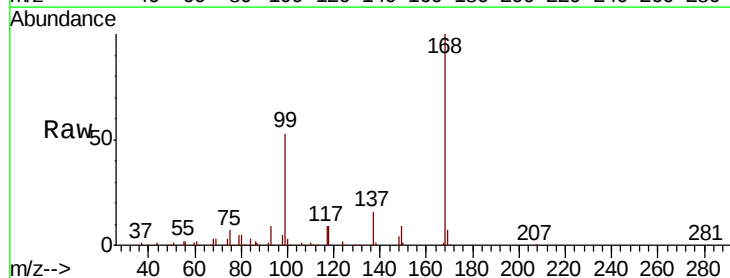
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



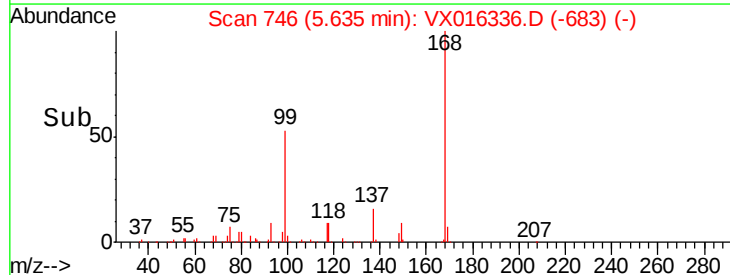
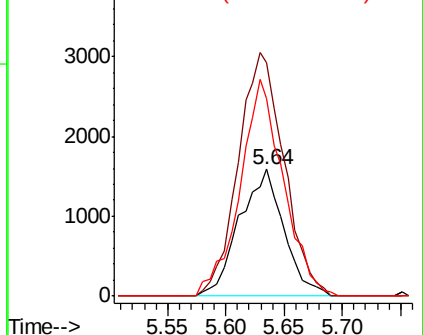
#31

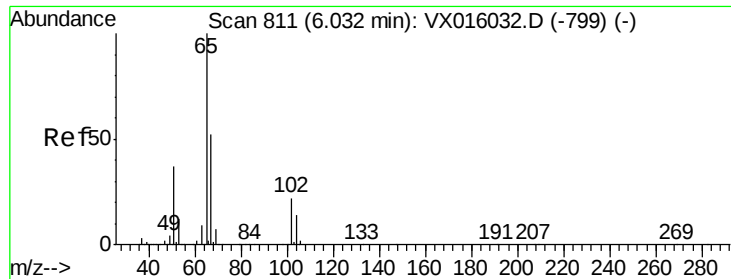
Cyclohexane
 Concen: 0.989 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. 0.09 min
 Lab File: VX016336.D
 Acq: 19 May 2020 15:50

Tgt Ion	Ratio	Lower	Upper
56	100		
69	184.1	25.0	37.6#
84	155.3	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: 45.497 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX016336.D

Acq: 19 May 2020 15:50

Instrument :

MSVOA_X

ClientSampleId :

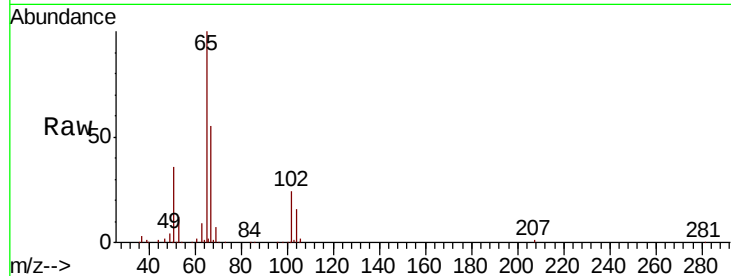
WP021MW002-200514

Tot Ion: 65 Resp: 140044

Ion Ratio Lower Upper

65 100

67 52.9 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

50000

40000

30000

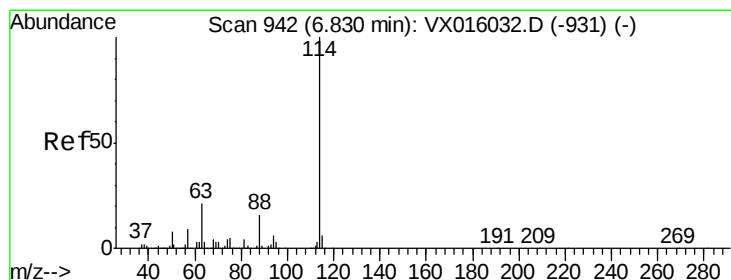
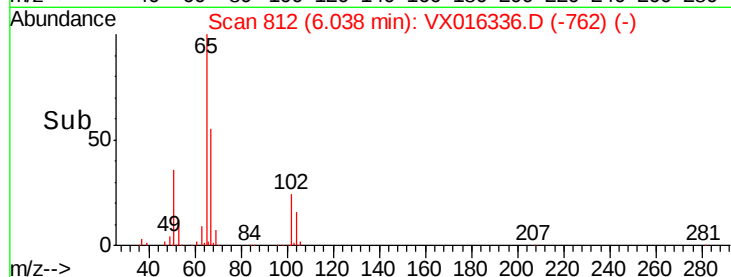
20000

10000

0

Time-->

5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016336.D

Acq: 19 May 2020 15:50

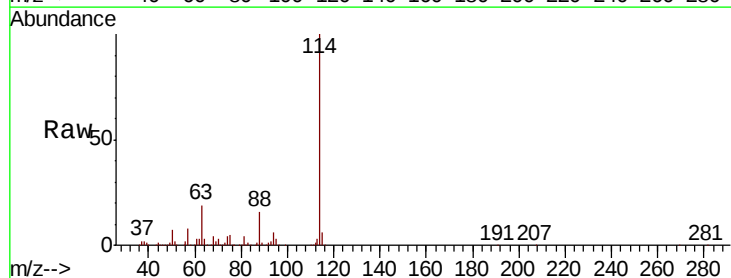
Tgt Ion: 114 Resp: 389882

Ion Ratio Lower Upper

114 100

63 19.0 0.0 42.8

88 16.0 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

6.84

200000

150000

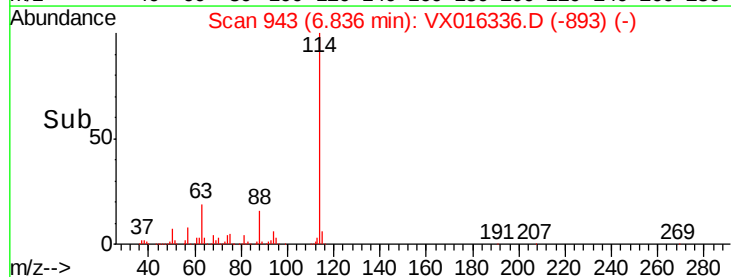
100000

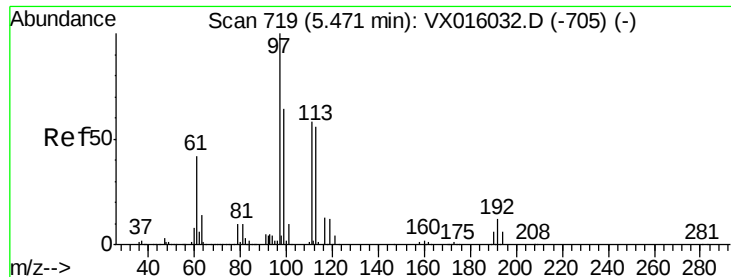
50000

0

Time-->

6.70 6.80 6.90 7.00

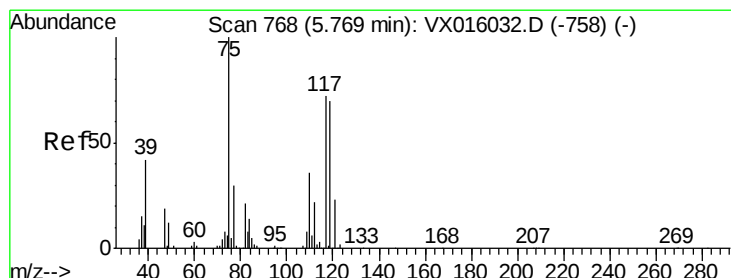
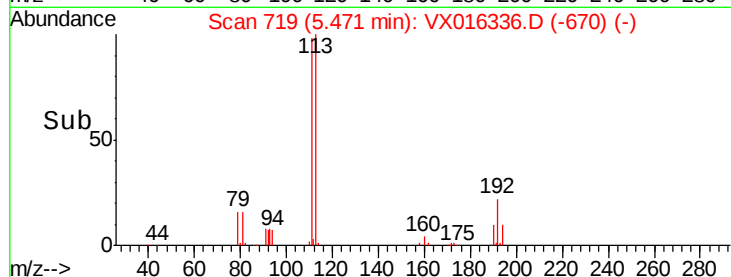
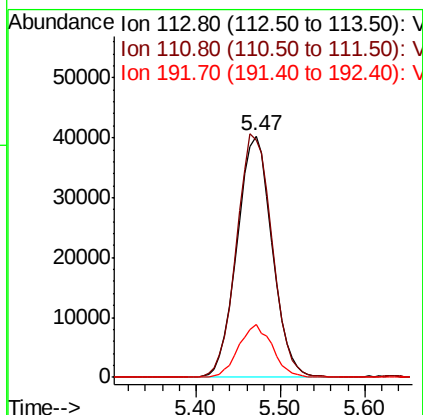
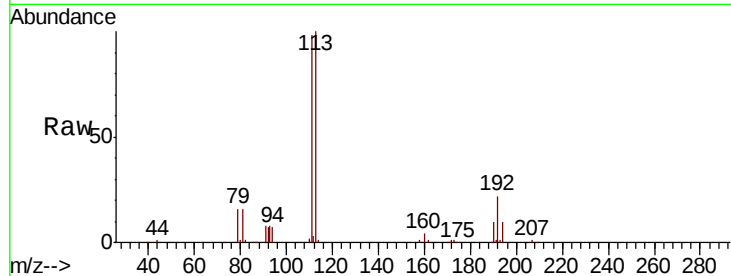




#35
 Dibromofluoromethane
 Concen: 45.995 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. -0.00 min
 Lab File: VX016336.D
 Acq: 19 May 2020 15:50

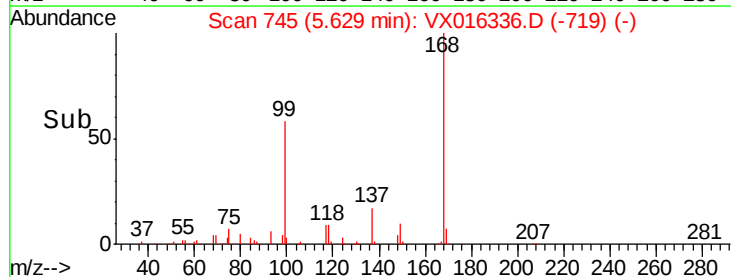
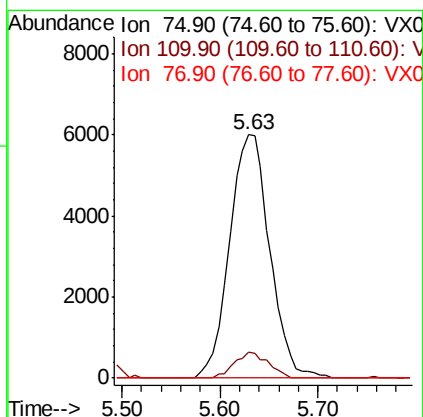
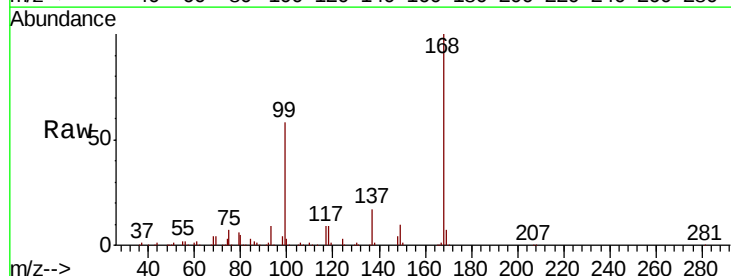
Instrument :
 MSVOA_X
 ClientSampleId :
 WP021MW002-200514

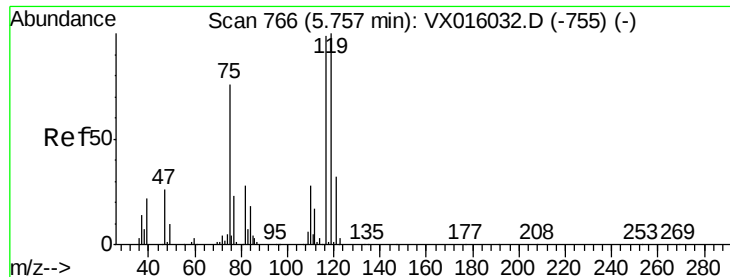
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.6	122.4
192	21.1	17.0	25.4



#36
 1,1-Dichloropropene
 Concen: 4.438 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX016336.D
 Acq: 19 May 2020 15:50

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: 5.590 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX016336.D

Acq: 19 May 2020 15:50

Instrument :

MSVOA_X

ClientSampleId :

WP021MW002-200514

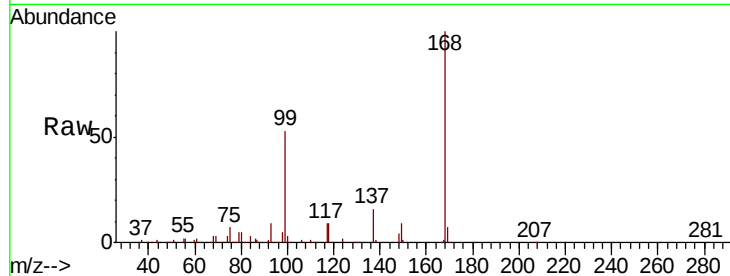
Tot Ion:117 Resp: 21805

Ion Ratio Lower Upper

117 100

119 5.0 80.3 120.5#

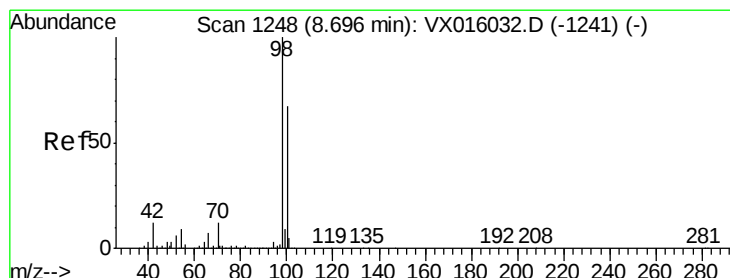
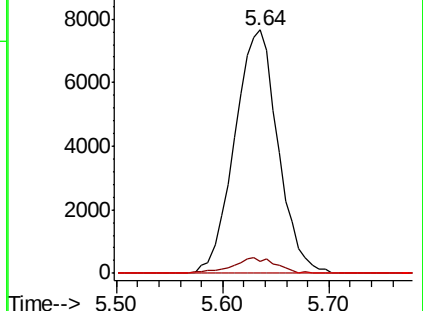
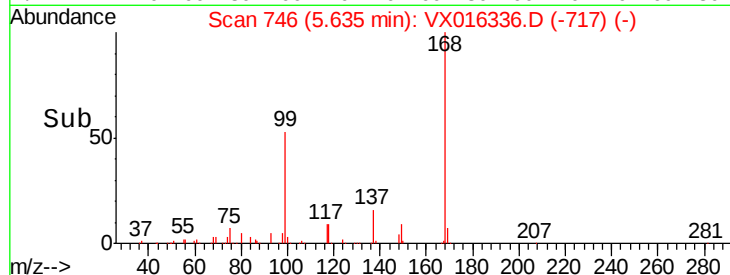
121 0.0 25.7 38.5#



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: 50.375 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016336.D

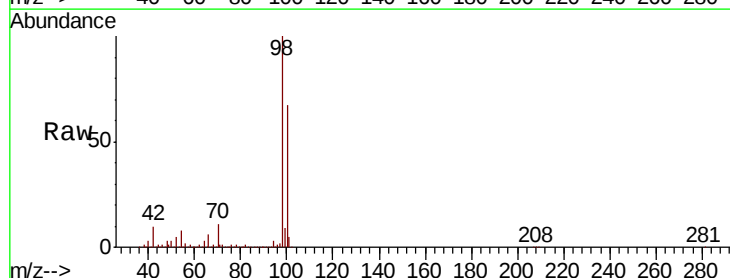
Acq: 19 May 2020 15:50

Tgt Ion: 98 Resp: 479436

Ion Ratio Lower Upper

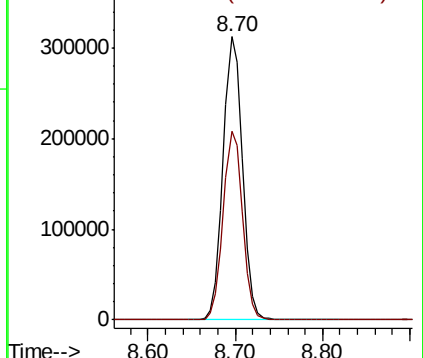
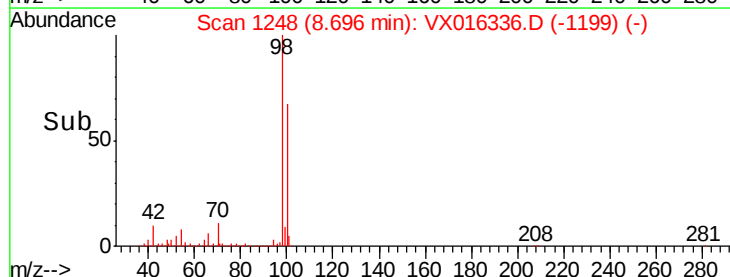
98 100

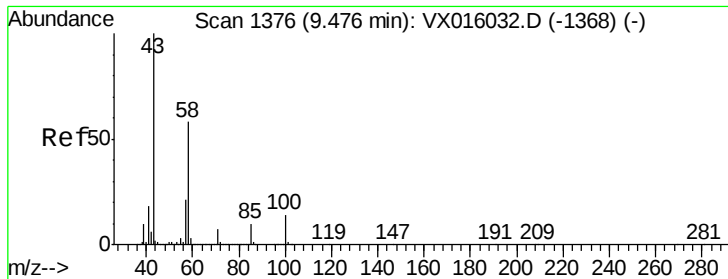
100 66.6 53.7 80.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

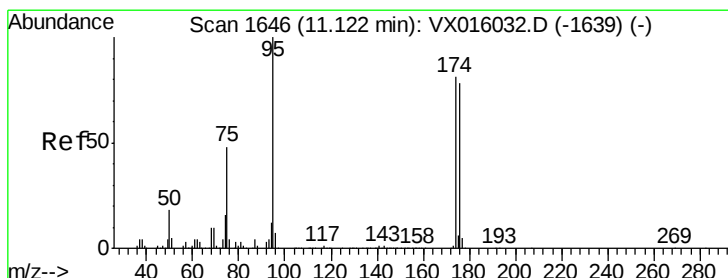
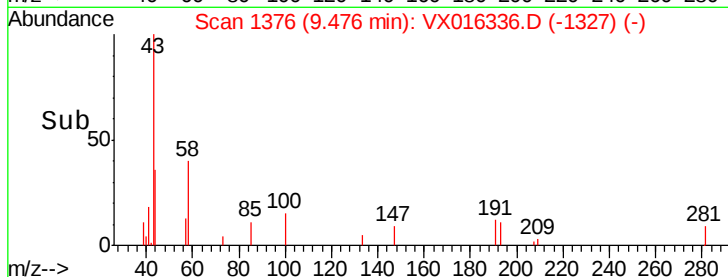
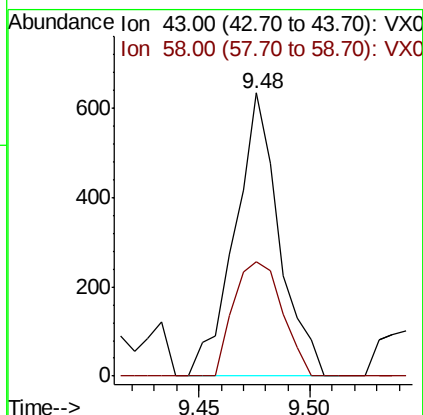
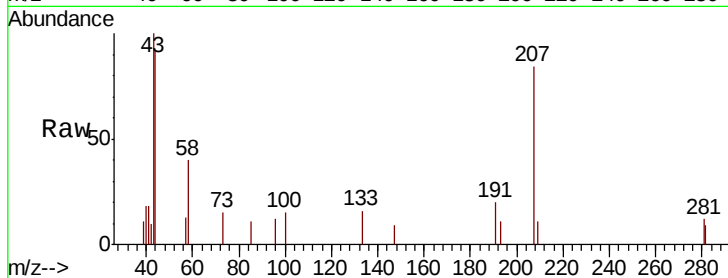




#59
2-Hexanone
Concen: 0.257 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. -0.00 min
Lab File: VX016336.D
Acq: 19 May 2020 15:50

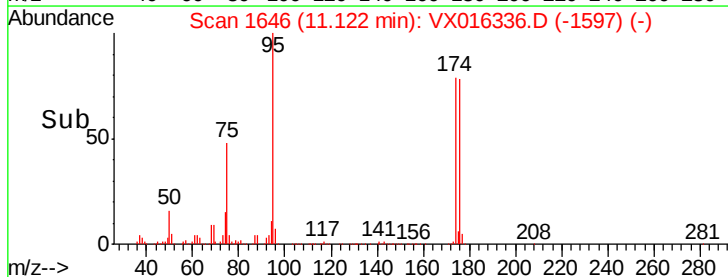
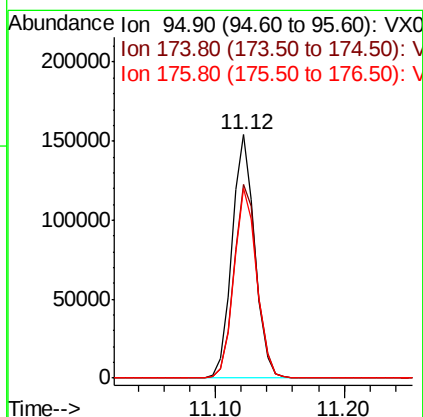
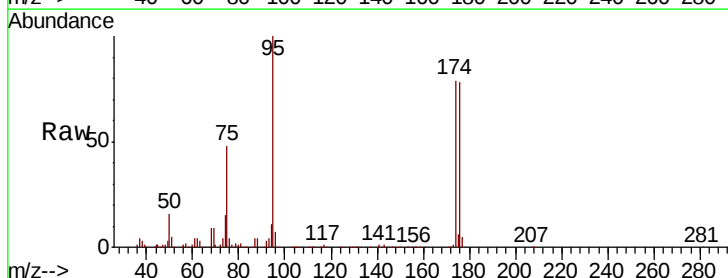
Instrument :
MSVOA_X
ClientSampleId :
WP021MW002-200514

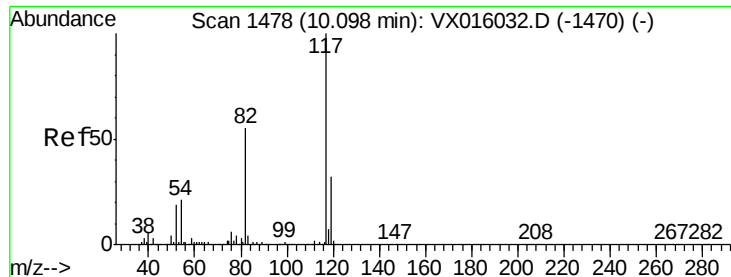
Tot Ion: 43 Resp: 878
Ion Ratio Lower Upper
43 100
58 44.4 28.6 85.9



#62
4-Bromofluorobenzene
Concen: 52.452 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX016336.D
Acq: 19 May 2020 15:50

Tgt Ion: 95 Resp: 189872
Ion Ratio Lower Upper
95 100
174 80.8 0.0 159.4
176 78.4 0.0 157.6

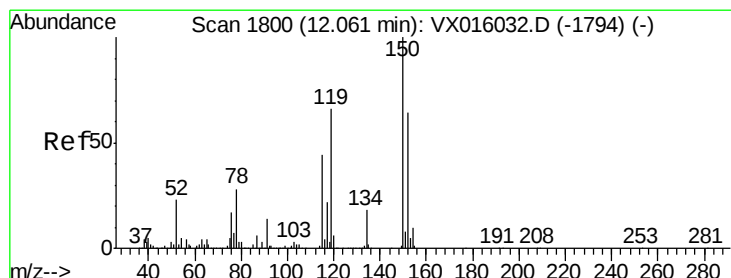
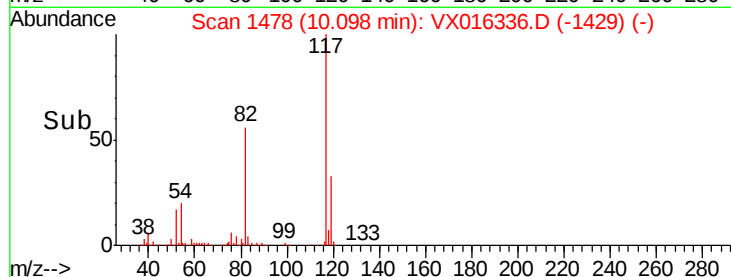
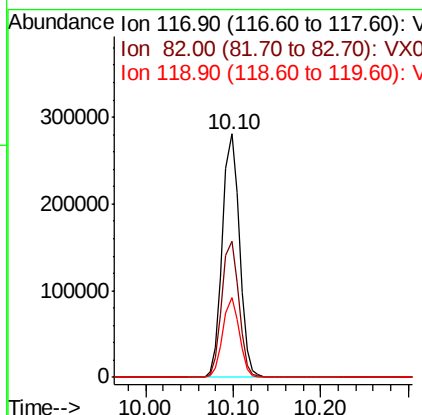
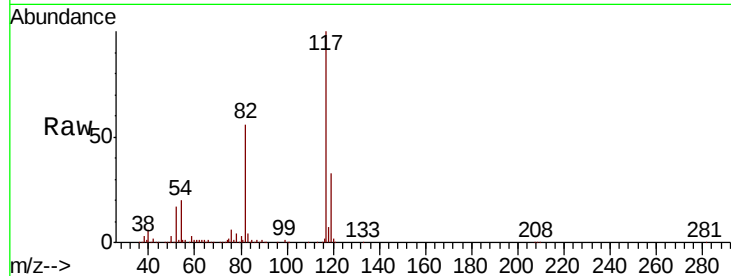




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016336.D
Acq: 19 May 2020 15:50

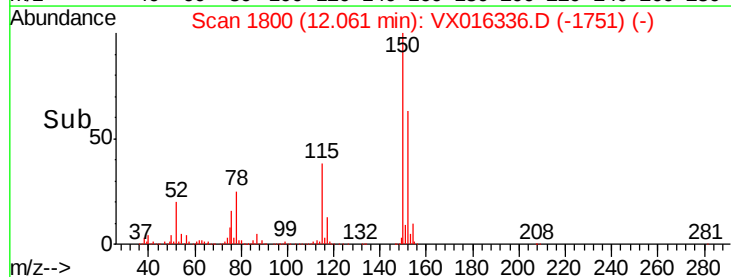
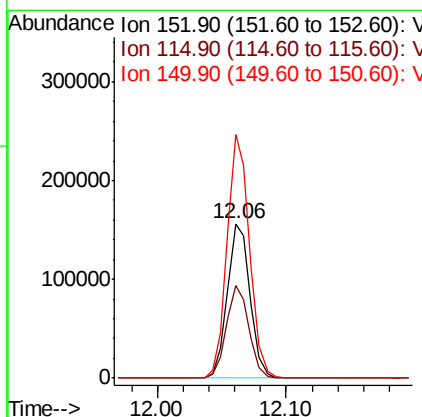
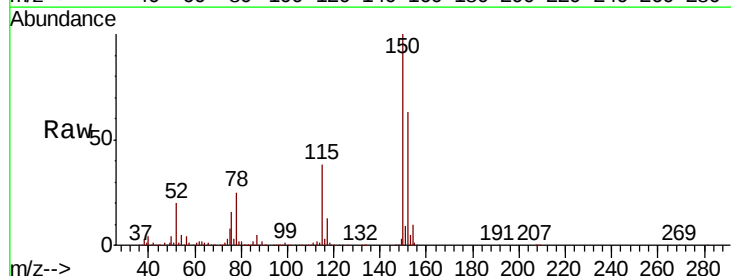
Instrument :
MSVOA_X
ClientSampleId :
WP021MW002-200514

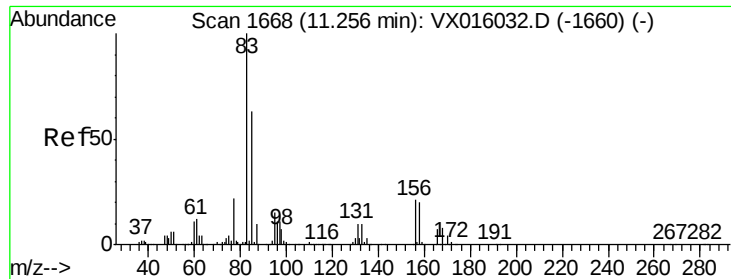
Tot Ion:117 Resp: 378701
Ion Ratio Lower Upper
117 100
82 55.9 44.4 66.6
119 33.0 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX016336.D
Acq: 19 May 2020 15:50

Tgt Ion:152 Resp: 194307
Ion Ratio Lower Upper
152 100
115 59.2 41.3 124.1
150 155.3 0.0 352.2





#75

1,1,2,2-Tetrachloroethane

Concen: 2.083 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.13 min

Lab File: VX016336.D

Acq: 19 May 2020 15:50

Instrument :

MSVOA_X

ClientSampleId :

WP021MW002-200514

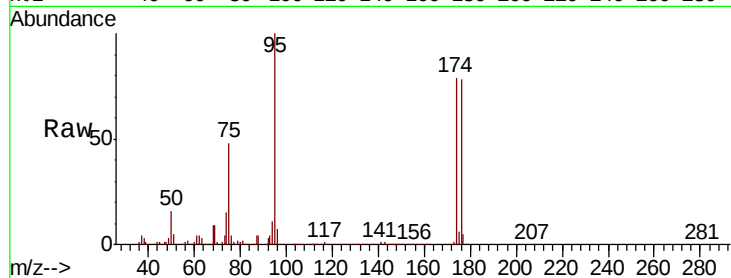
Tot Ion: 83 Resp: 91

Ion Ratio Lower Upper

83 100

131 353.8 5.1 15.4#

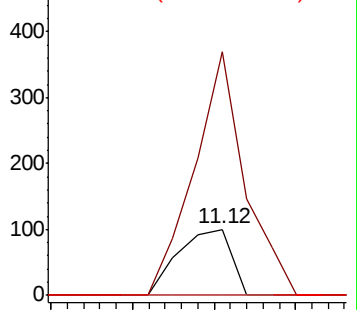
85 0.0 32.0 96.0#



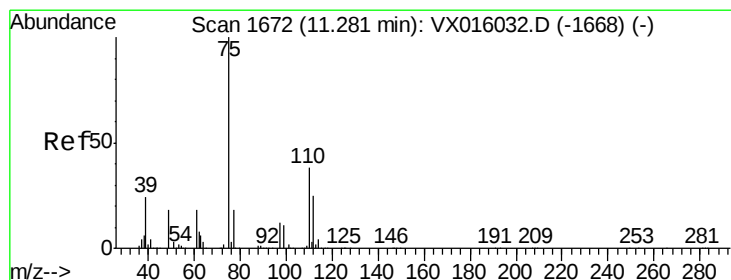
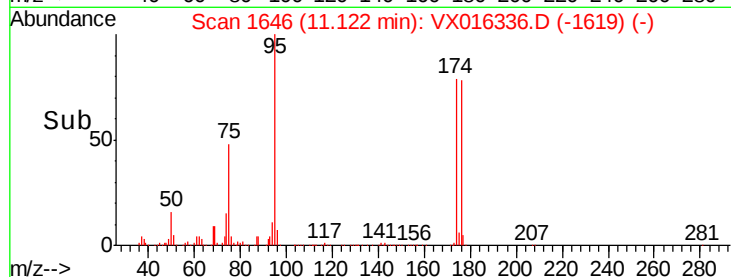
Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



Time--> 11.08 11.10 11.12 11.14



#76

1,2,3-Trichloropropane

Concen: 20.875 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016336.D

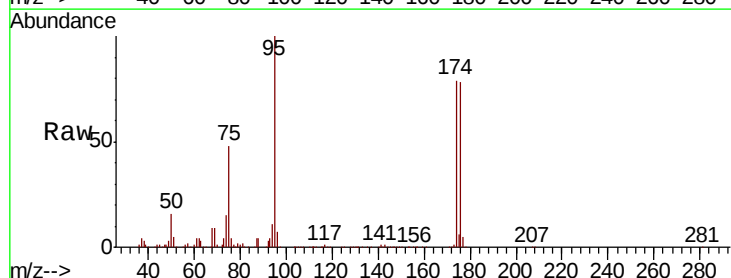
Acq: 19 May 2020 15:50

Tgt Ion: 75 Resp: 92043

Ion Ratio Lower Upper

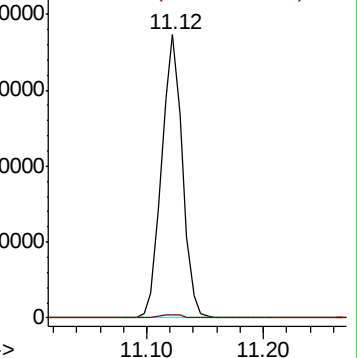
75 100

77 1.3 21.2 63.6#

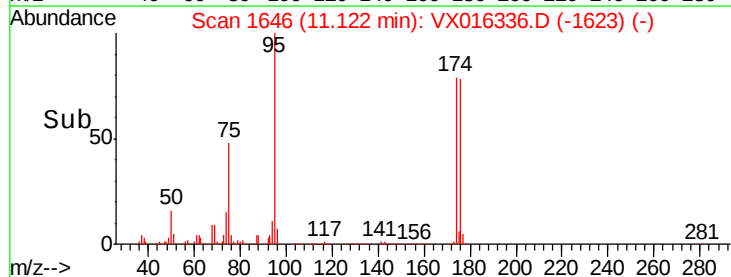


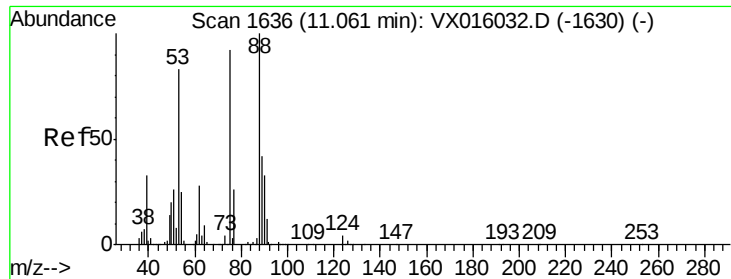
Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



Time--> 11.10 11.20





#81

trans-1,4-Dichloro-2-butene

Concen: 49.746 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016336.D

Acq: 19 May 2020 15:50

Instrument :

MSVOA_X

ClientSampleId :

WP021MW002-200514

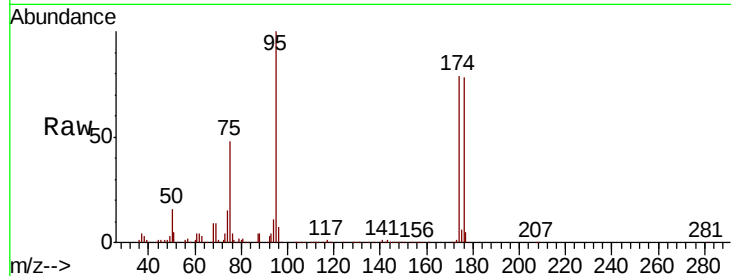
Tot Ion: 75 Resp: 92043

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

