

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061920\
 Data File : VX016905.D
 Acq On : 20 Jun 2020 03:59
 Operator : JC/SP
 Sample : L3063-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TW-3

Quant Time: Jun 22 01:52:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061820W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 19 12:07:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	304526	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	492194	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	475600	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	287196	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	172352	47.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.12%	
35) Dibromofluoromethane	5.47	113	159486	50.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.30%	
50) Toluene-d8	8.70	98	567394	45.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.08%	
62) 4-Bromofluorobenzene	11.12	95	240578	49.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.70%	

Target Compounds

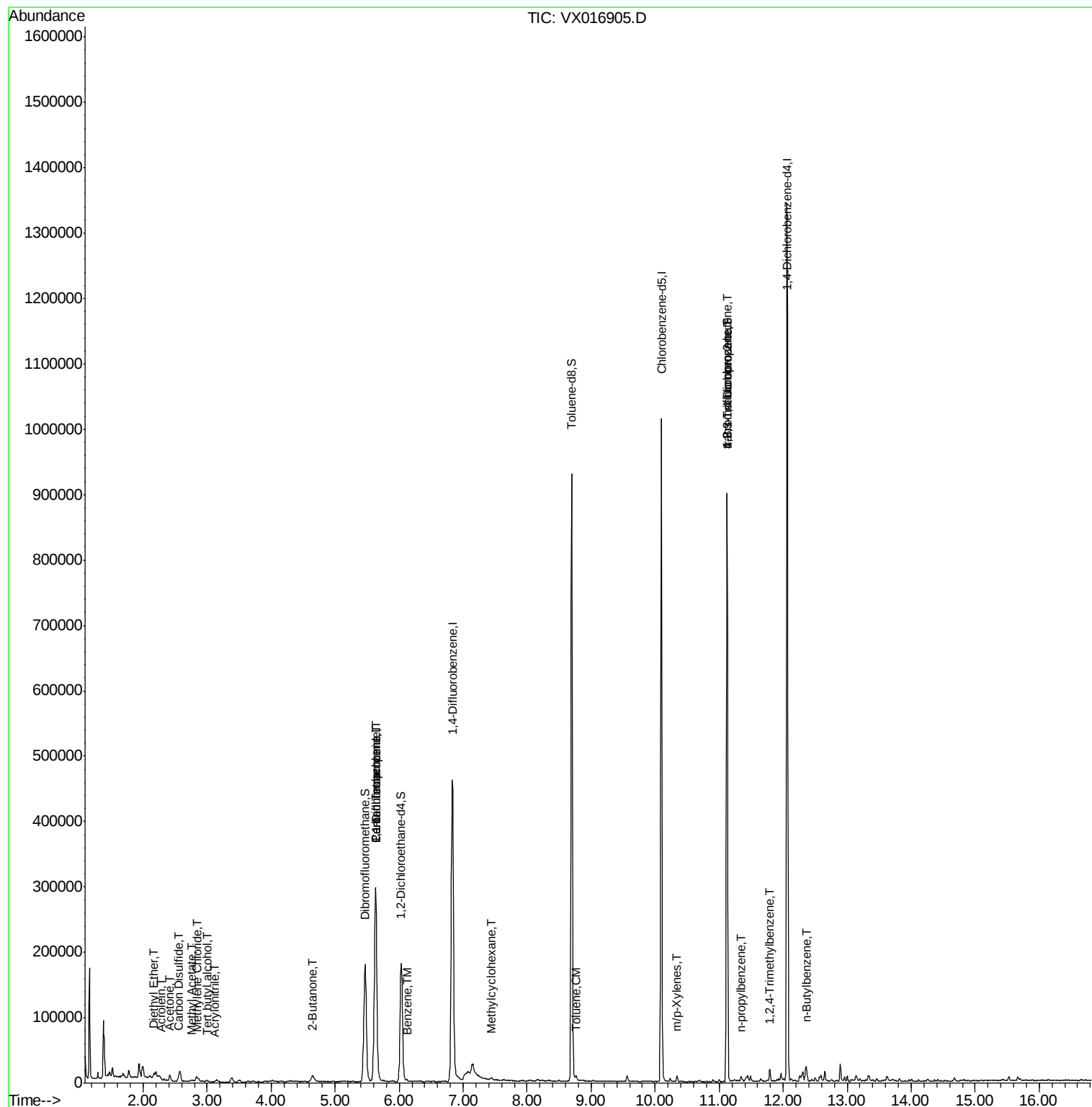
						Qvalue
8) Diethyl Ether	2.17	74	2380	1.025	ug/l	90
11) Tert butyl alcohol	3.00	59	1768	2.856	ug/l #	72
13) Acrolein	2.28	56	551	1.468	ug/l #	15
15) Acrylonitrile	3.12	53	369	0.260	ug/l #	73
16) Acetone	2.42	43	8144	6.125	ug/l	99
17) Carbon Disulfide	2.55	76	7515	0.894	ug/l	98
18) Methyl Acetate	2.75	43	1619	0.479	ug/l #	50
20) Methylene Chloride	2.84	84	3652	1.145	ug/l	95
25) 2-Butanone	4.64	43	2673	1.461	ug/l	97
36) 1,1-Dichloropropene	5.63	75	20821	4.582	ug/l #	47
38) Carbon Tetrachloride	5.63	117	28583	5.605	ug/l #	15
39) Methylcyclohexane	7.44	83	1182	0.224	ug/l #	92
40) Benzene	6.12	78	2741	0.201	ug/l	93
52) Toluene	8.76	92	2148	0.237	ug/l	94
68) m/p-Xylenes	10.35	106	2187	0.346	ug/l	98
76) 1,2,3-Trichloropropane	11.12	75	113386	21.617	ug/l #	36
78) n-propylbenzene	11.34	91	4313	0.209	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.12	75	113386	52.938	ug/l #	14
84) 1,2,4-Trimethylbenzene	11.79	105	7676	0.467	ug/l	99
89) n-Butylbenzene	12.37	91	5323	0.370	ug/l #	51

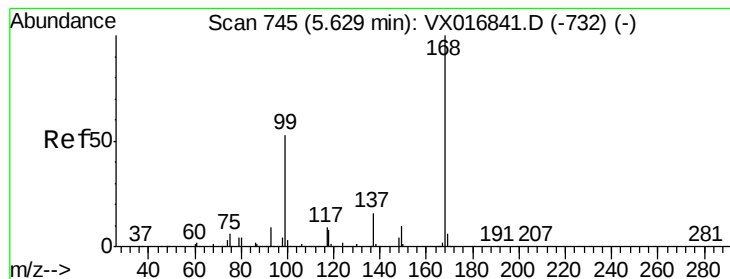
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX061920\
Data File : VX016905.D
Acq On : 20 Jun 2020 03:59
Operator : JC/SP
Sample : L3063-03
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-3

Quant Time: Jun 22 01:52:01 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061820W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 19 12:07:48 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX016905.D

Acq: 20 Jun 2020 03:59

Instrument :

MSVOA_X

ClientSampleId :

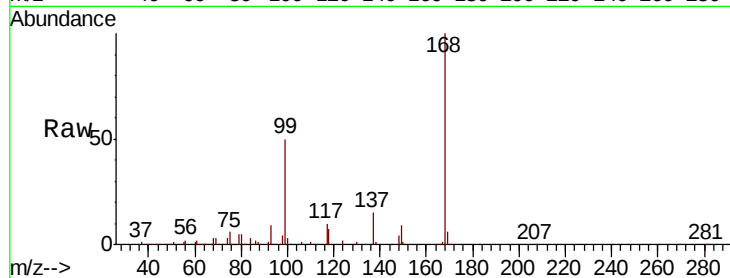
TW-3

Tot Ion:168 Resp: 304526

Ion Ratio Lower Upper

168 100

99 49.9 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

120000

100000

80000

60000

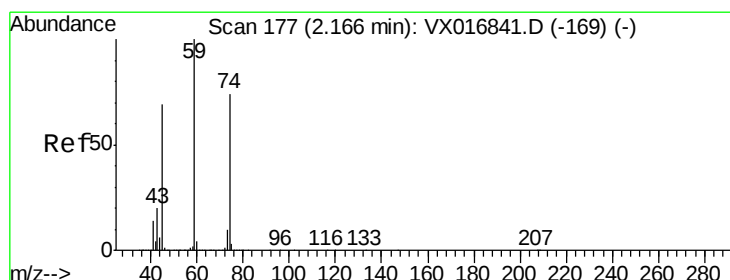
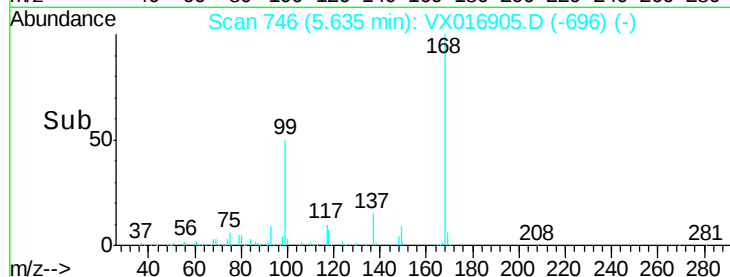
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#8

Diethyl Ether

Concen: 1.025 ug/l

RT: 2.17 min Scan# 178

Delta R.T. 0.01 min

Lab File: VX016905.D

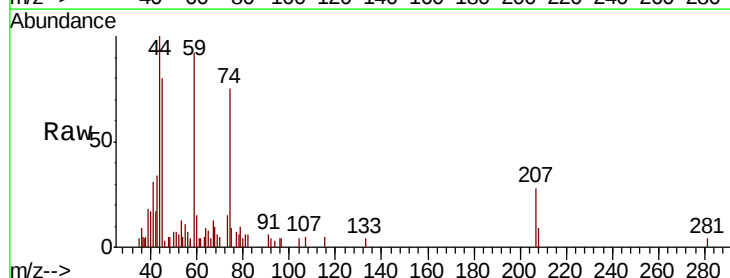
Acq: 20 Jun 2020 03:59

Tgt Ion: 74 Resp: 2380

Ion Ratio Lower Upper

74 100

45 100.2 45.3 135.8



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

2.17

1500

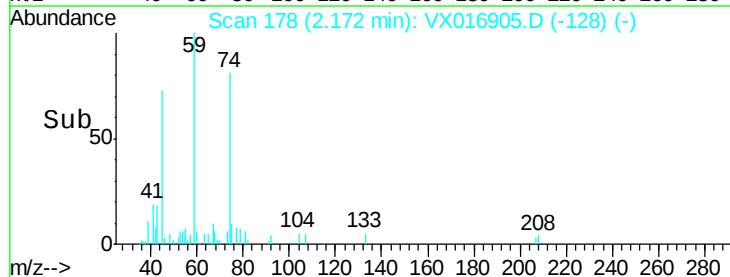
1000

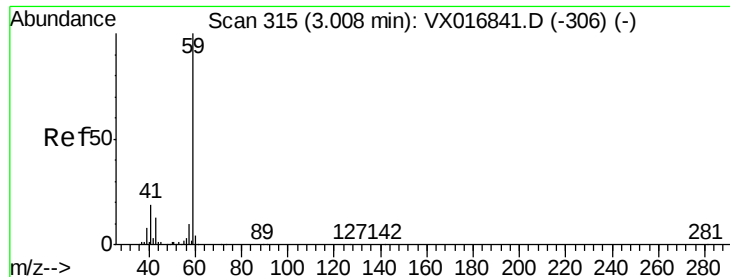
500

0

Time-->

2.10 2.15 2.20 2.25



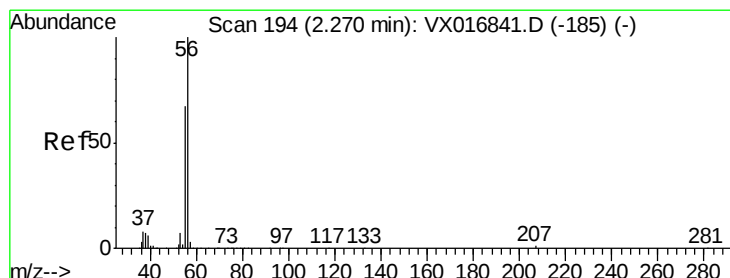
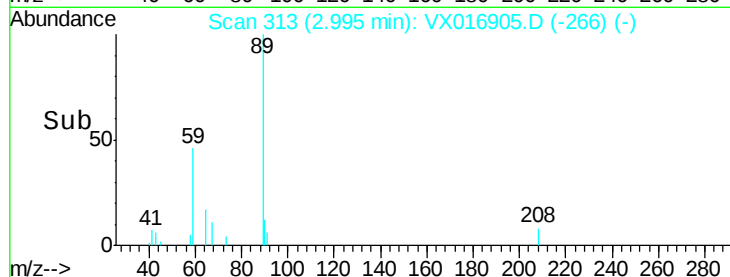
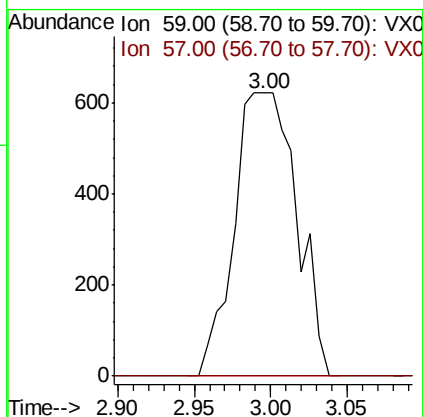
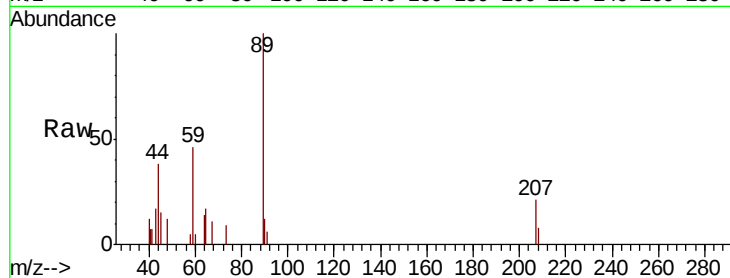


#11

Tert butyl alcohol
 Concen: 2.856 ug/l
 RT: 3.00 min Scan# 313
 Delta R.T. -0.01 min
 Lab File: VX016905.D
 Acq: 20 Jun 2020 03:59

Instrument :
 MSVOA_X
 ClientSampleId :
 TW-3

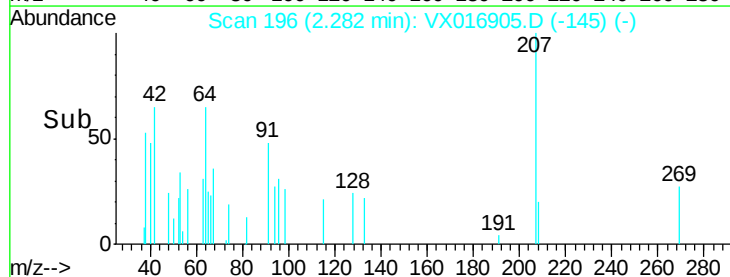
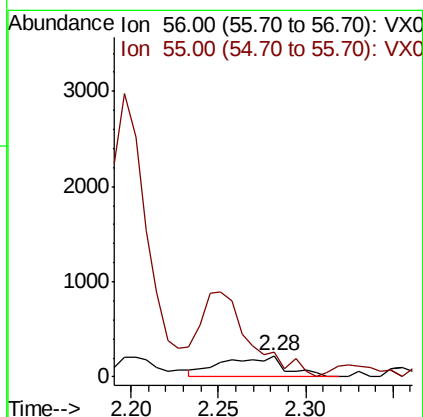
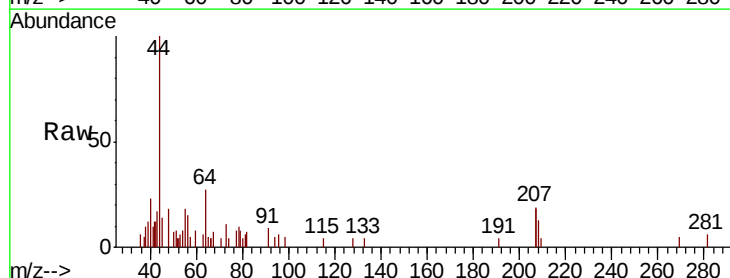
Tot Ion: 59 Resp: 1768
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#

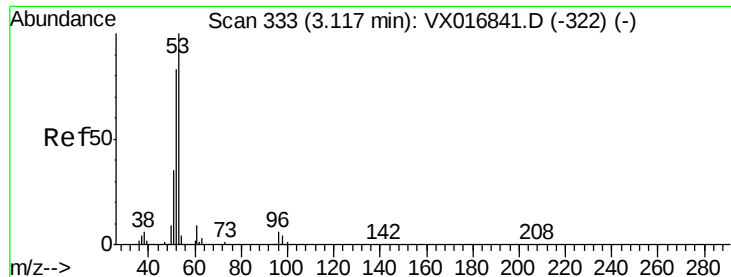


#13

Acrolein
 Concen: 1.468 ug/l
 RT: 2.28 min Scan# 196
 Delta R.T. 0.01 min
 Lab File: VX016905.D
 Acq: 20 Jun 2020 03:59

Tgt Ion: 56 Resp: 551
 Ion Ratio Lower Upper
 56 100
 55 0.0 55.7 83.5#





#15

Acrylonitrile

Concen: 0.260 ug/l

RT: 3.12 min Scan# 333

Delta R.T. -0.00 min

Lab File: VX016905.D

Acq: 20 Jun 2020 03:59

Instrument :

MSVOA_X

ClientSampled :

TW-3

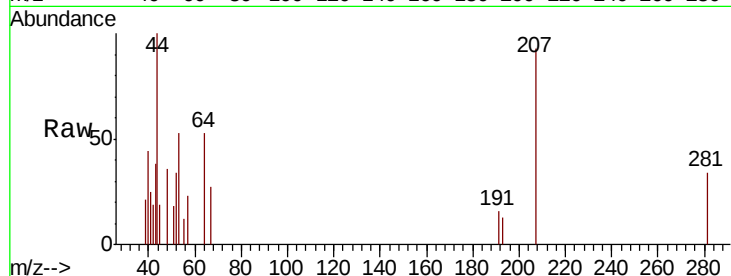
Tot Ion: 53 Resp: 369

Ion Ratio Lower Upper

53 100

52 57.7 66.2 99.2#

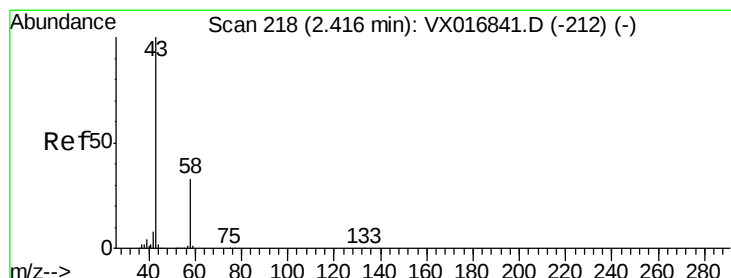
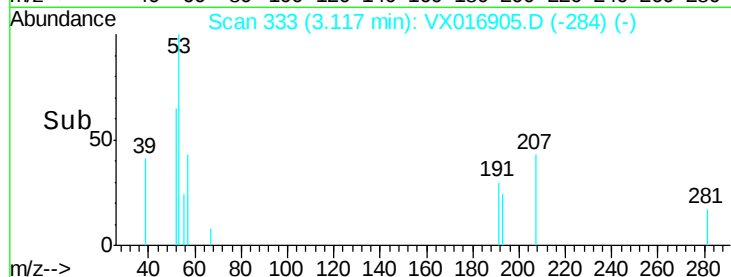
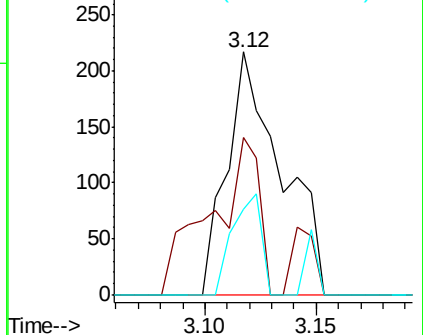
51 22.0 28.7 43.1#



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: 6.125 ug/l

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

Lab File: VX016905.D

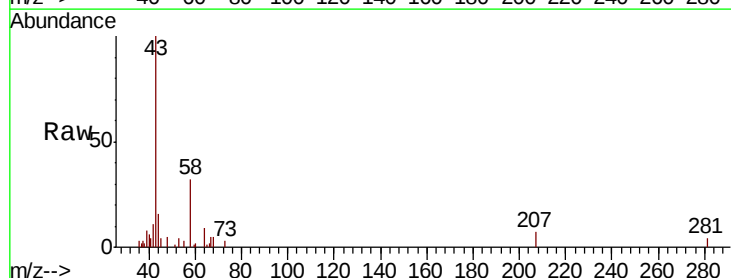
Acq: 20 Jun 2020 03:59

Tgt Ion: 43 Resp: 8144

Ion Ratio Lower Upper

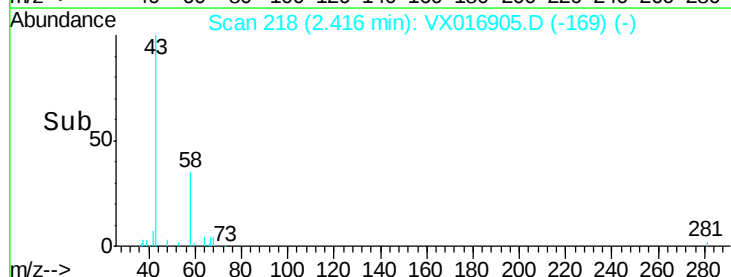
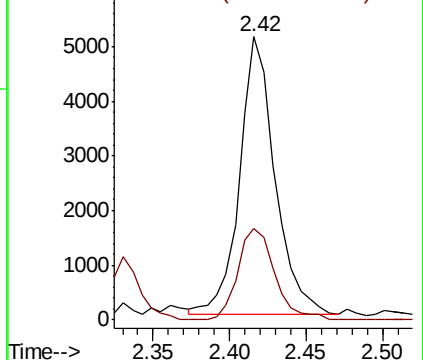
43 100

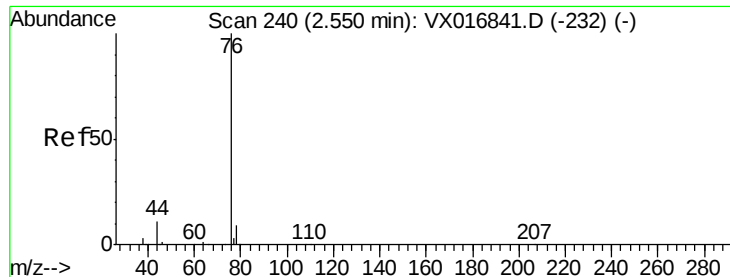
58 32.9 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.894 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX016905.D

Acq: 20 Jun 2020 03:59

Instrument :

MSVOA_X

ClientSampleId :

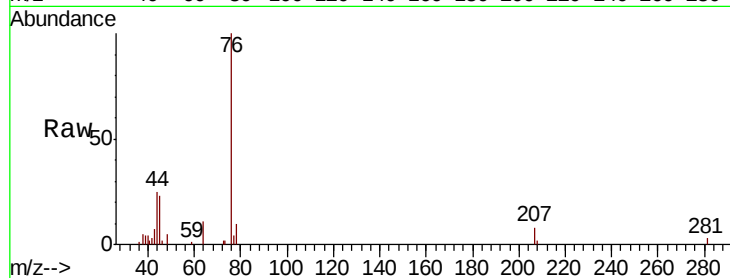
TW-3

Tot Ion: 76 Resp: 7515

Ion Ratio Lower Upper

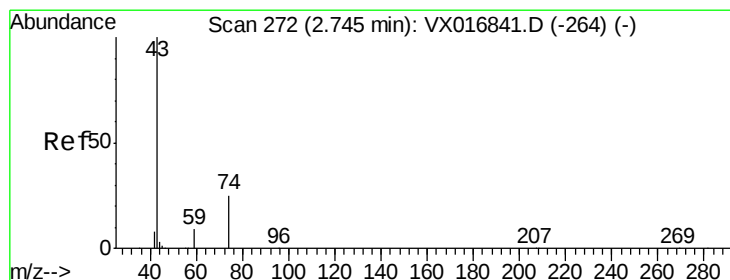
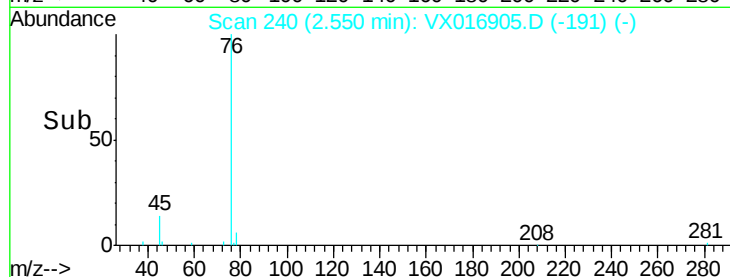
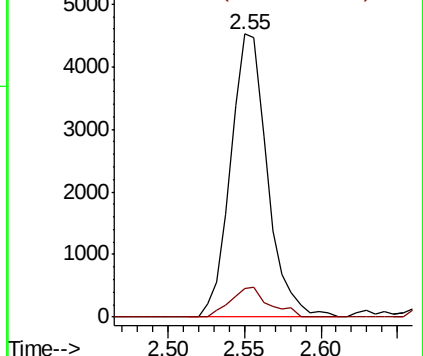
76 100

78 10.2 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 0.479 ug/l

RT: 2.75 min Scan# 273

Delta R.T. 0.01 min

Lab File: VX016905.D

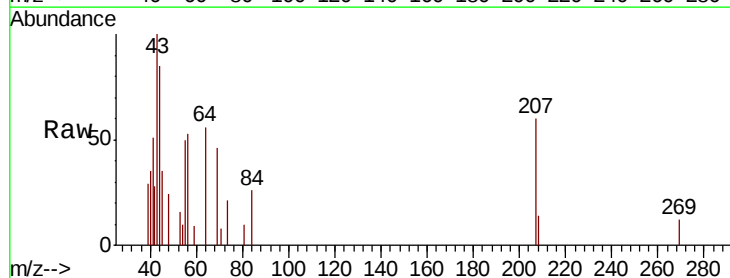
Acq: 20 Jun 2020 03:59

Tgt Ion: 43 Resp: 1619

Ion Ratio Lower Upper

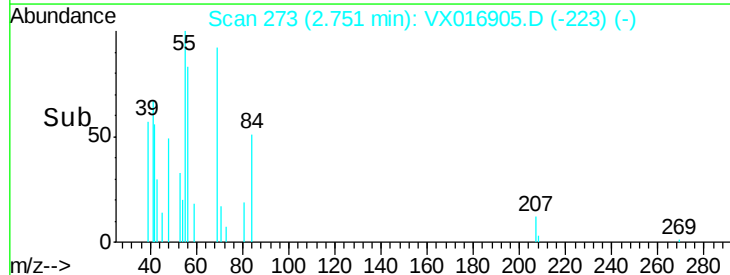
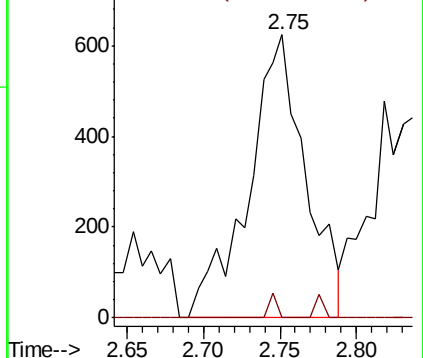
43 100

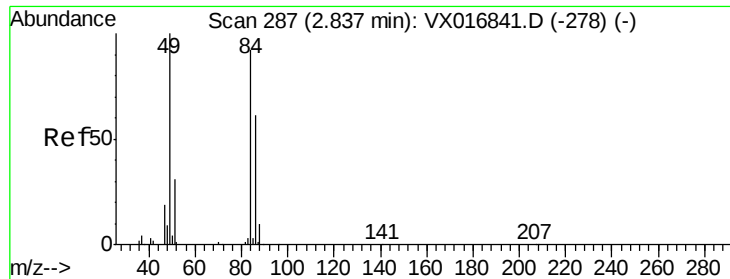
74 1.2 21.8 32.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

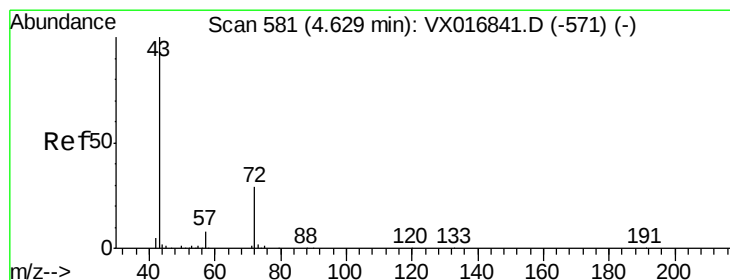
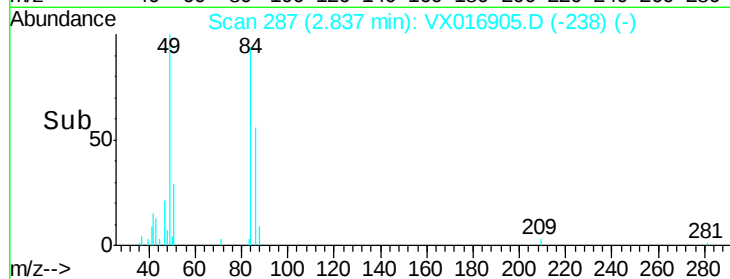
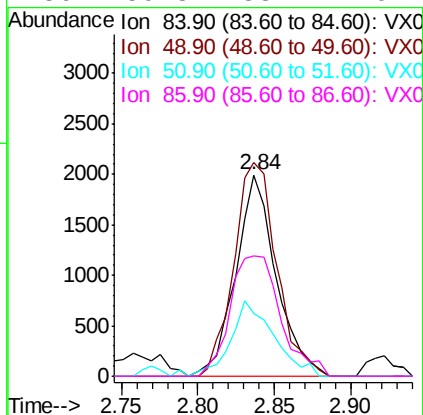
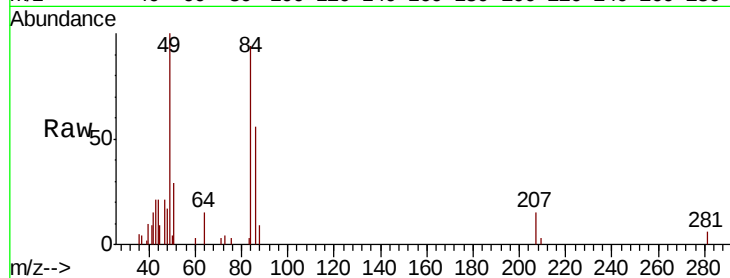




#20
Methvlene Chloride
Concen: 1.145 ug/l
RT: 2.84 min Scan# 287
Delta R.T. -0.00 min
Lab File: VX016905.D
Acq: 20 Jun 2020 03:59

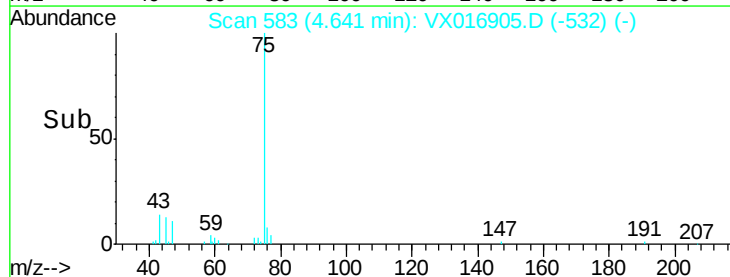
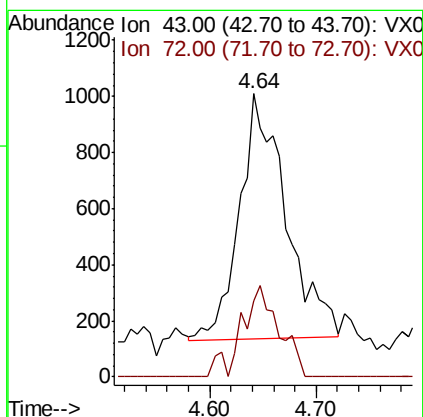
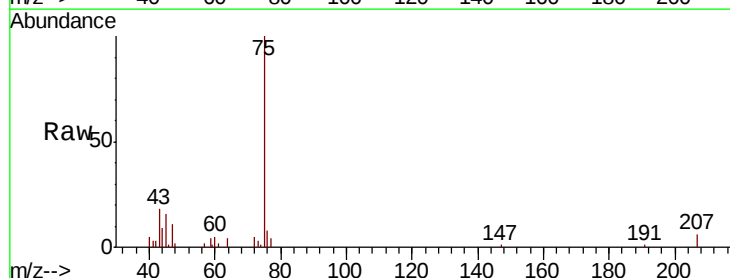
Instrument :
MSVOA_X
ClientSampleId :
TW-3

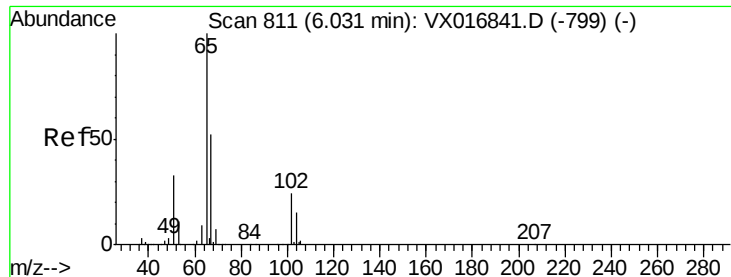
Tot Ion:	84	Resp:	3652
Ion	Ratio	Lower	Upper
84	100		
49	106.0	86.6	129.8
51	30.9	27.1	40.7
86	59.8	53.1	79.7



#25
2-Butanone
Concen: 1.461 ug/l
RT: 4.64 min Scan# 583
Delta R.T. 0.01 min
Lab File: VX016905.D
Acq: 20 Jun 2020 03:59

Tgt Ion:	43	Resp:	2673
Ion	Ratio	Lower	Upper
43	100		
72	31.2	23.5	35.3

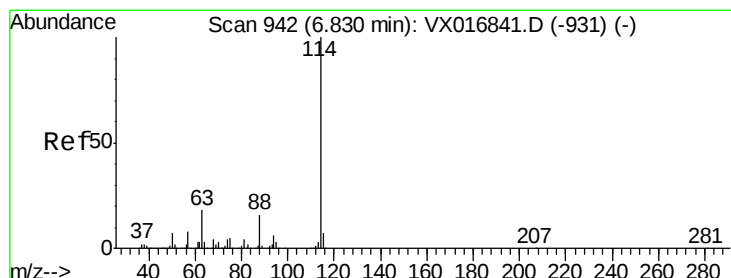
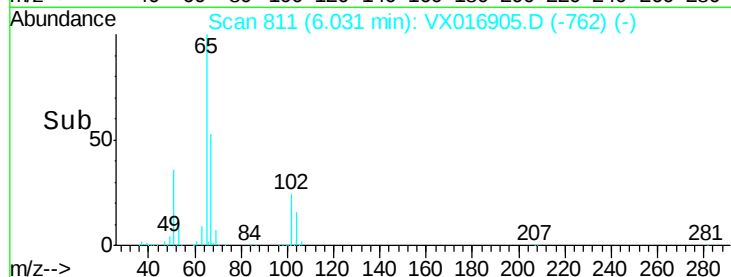
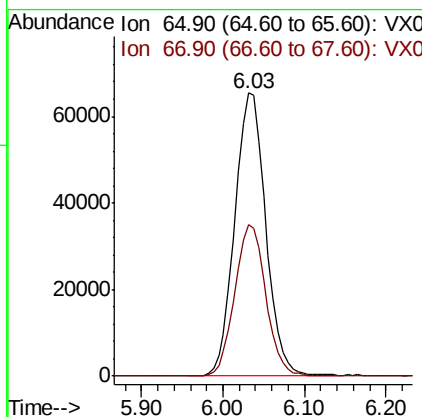
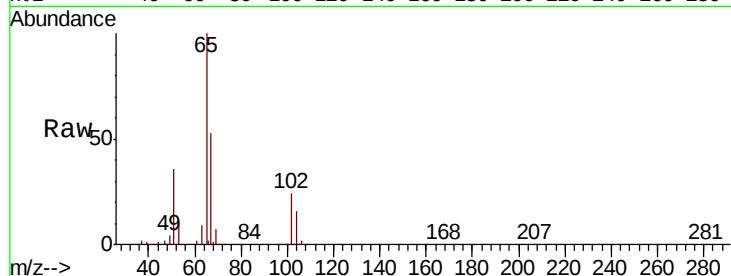




#33
 1,2-Dichloroethane-d4
 Concen: 47.059 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX016905.D
 Acq: 20 Jun 2020 03:59

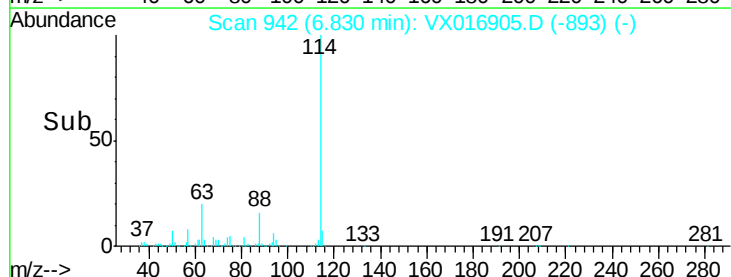
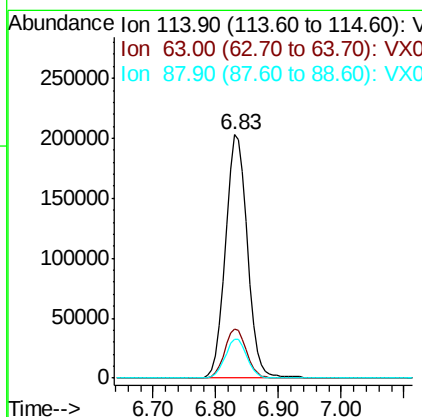
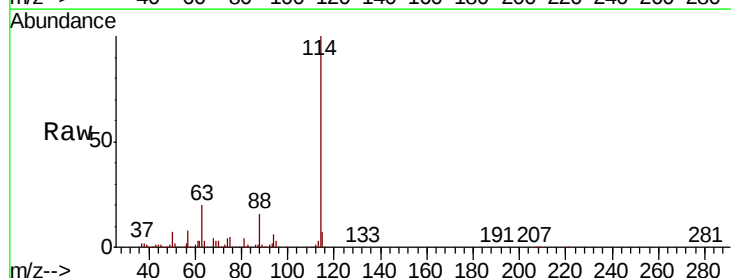
Instrument :
 MSVOA_X
 ClientSampleId :
 TW-3

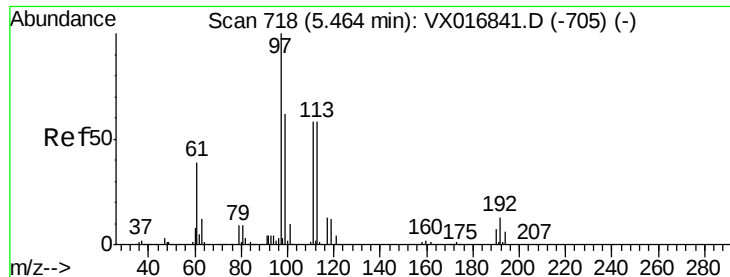
Tot Ion: 65 Resp: 172352
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX016905.D
 Acq: 20 Jun 2020 03:59

Tgt Ion: 114 Resp: 492194
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 37.0
 88 16.0 0.0 32.0





#35

Dibromofluoromethane

Concen: 50.654 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX016905.D

Acq: 20 Jun 2020 03:59

Instrument :

MSVOA_X

ClientSampleId :

TW-3

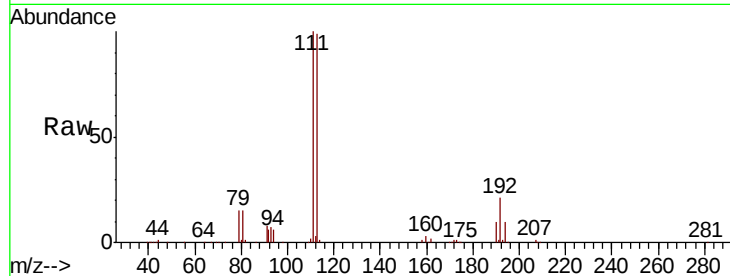
Tot Ion:113 Resp: 159486

Ion Ratio Lower Upper

113 100

111 101.0 81.0 121.4

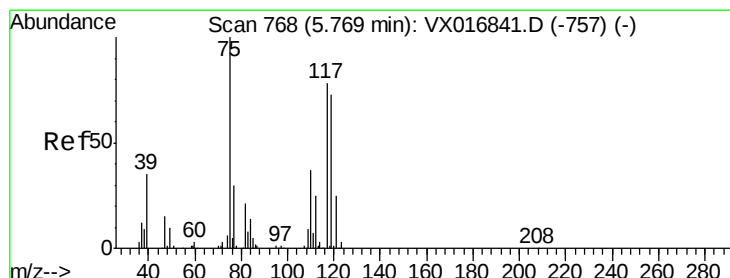
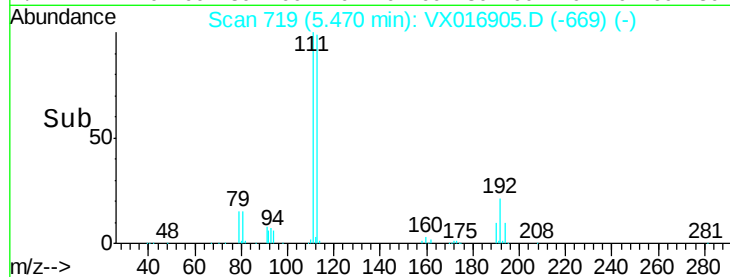
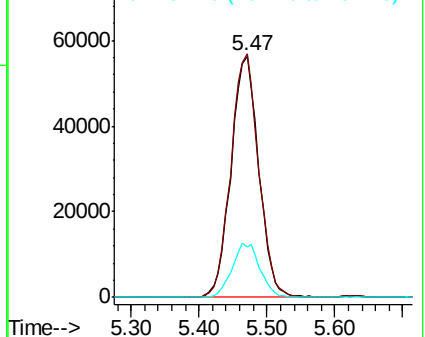
192 22.5 18.5 27.7



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: 4.582 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX016905.D

Acq: 20 Jun 2020 03:59

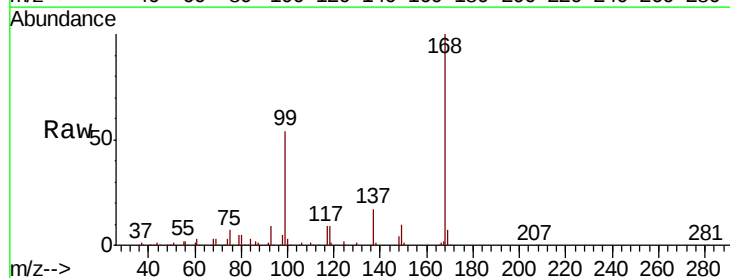
Tgt Ion: 75 Resp: 20821

Ion Ratio Lower Upper

75 100

110 8.3 18.9 56.9#

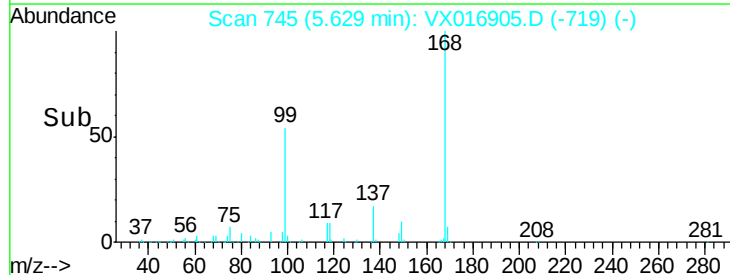
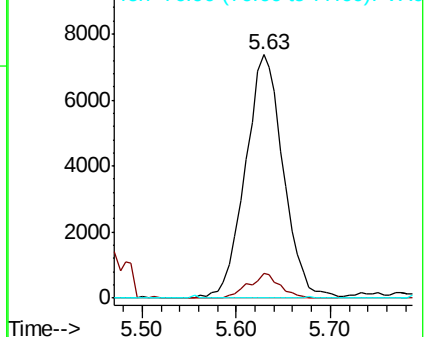
77 0.0 25.6 38.4#

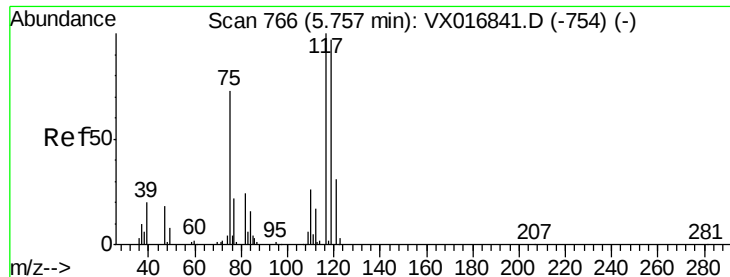


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.605 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX016905.D

Acq: 20 Jun 2020 03:59

Instrument :

MSVOA_X

ClientSampled :

TW-3

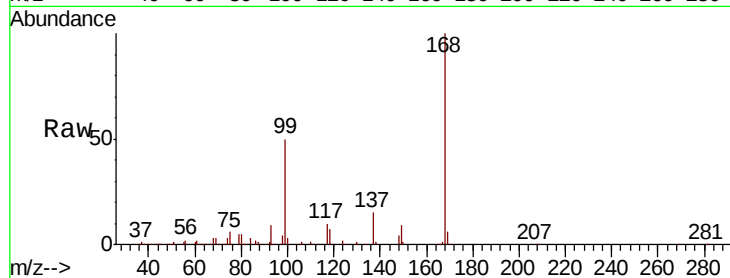
Tot Ion:117 Resp: 28583

Ion Ratio Lower Upper

117 100

119 3.9 77.4 116.2#

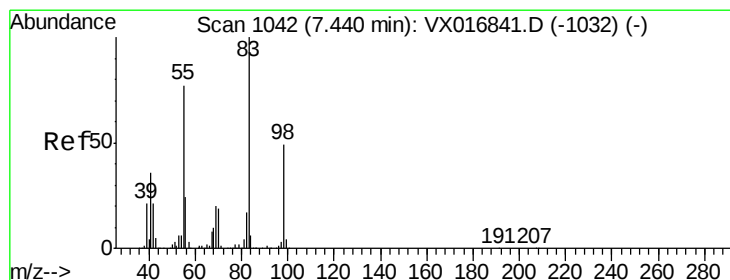
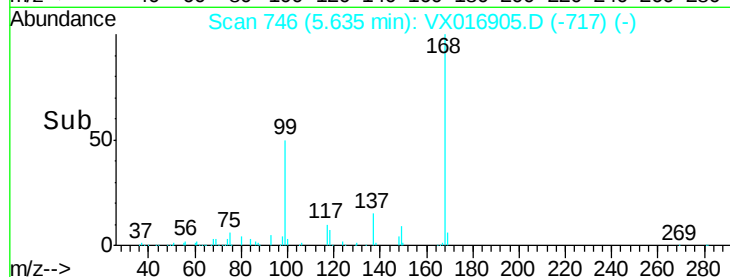
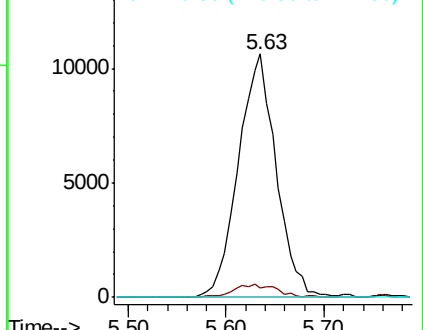
121 0.0 24.7 37.1#



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



#39

Methylcyclohexane

Concen: 0.224 ug/l

RT: 7.44 min Scan# 1042

Delta R.T. -0.00 min

Lab File: VX016905.D

Acq: 20 Jun 2020 03:59

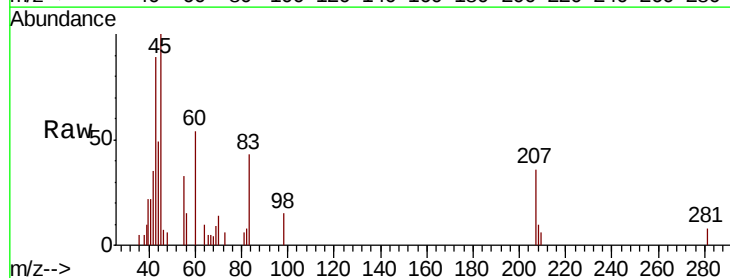
Tgt Ion: 83 Resp: 1182

Ion Ratio Lower Upper

83 100

55 78.2 61.7 92.5

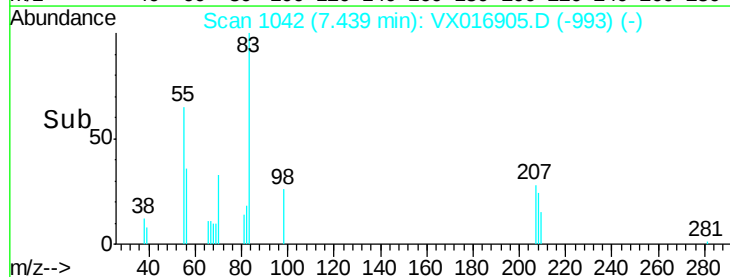
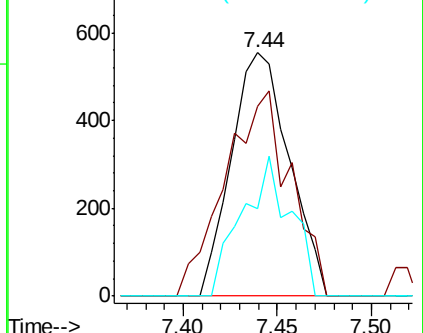
98 35.9 39.0 58.6#

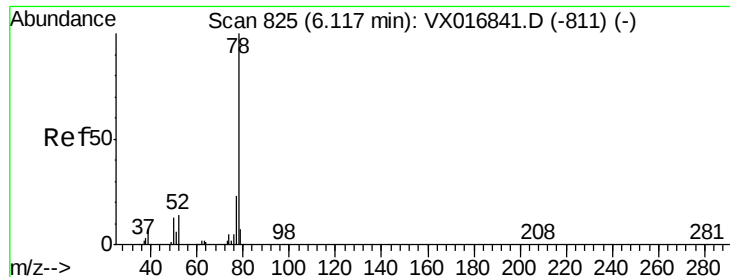


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 0.201 ug/l

RT: 6.12 min Scan# 825

Delta R.T. -0.00 min

Lab File: VX016905.D

Acq: 20 Jun 2020 03:59

Instrument :

MSVOA_X

ClientSampled :

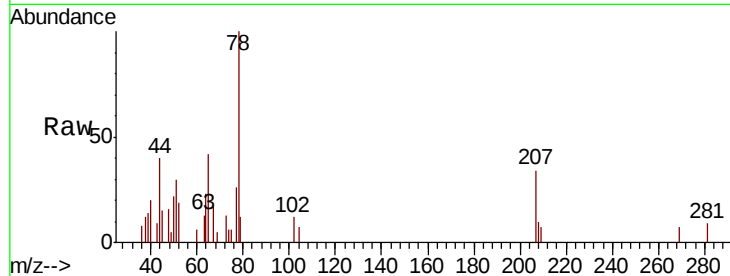
TW-3

Tot Ion: 78 Resp: 2741

Ion Ratio Lower Upper

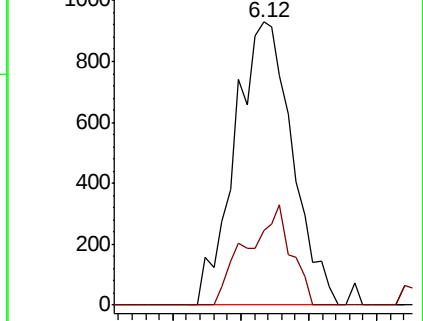
78 100

77 26.5 18.6 27.8

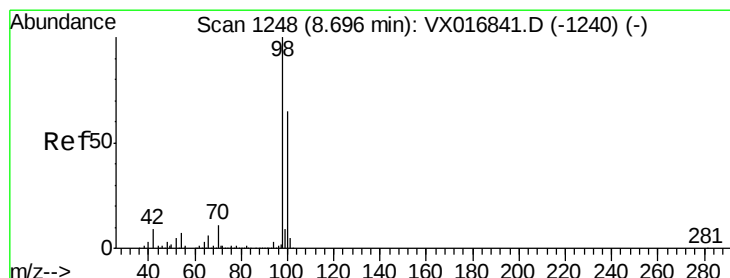
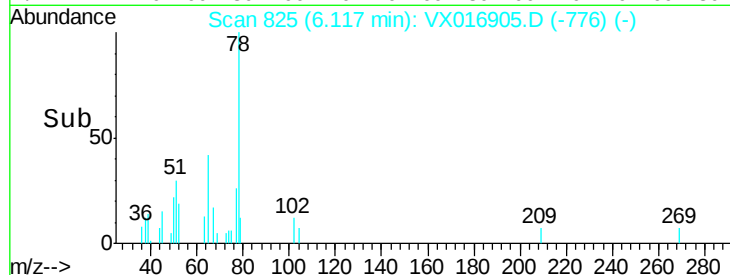


Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



Time-->



#50

Toluene-d8

Concen: 45.042 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016905.D

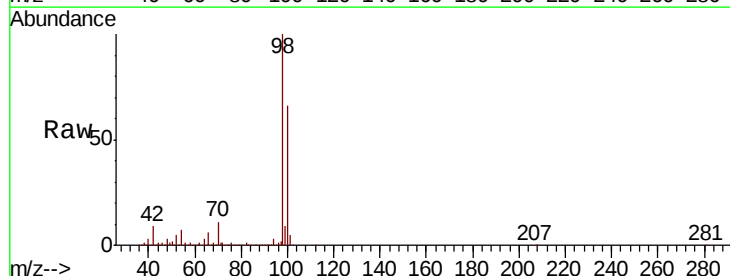
Acq: 20 Jun 2020 03:59

Tgt Ion: 98 Resp: 567394

Ion Ratio Lower Upper

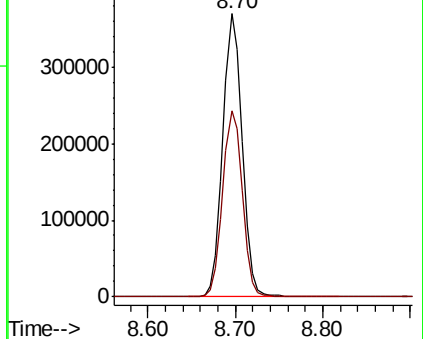
98 100

100 67.0 54.0 81.0

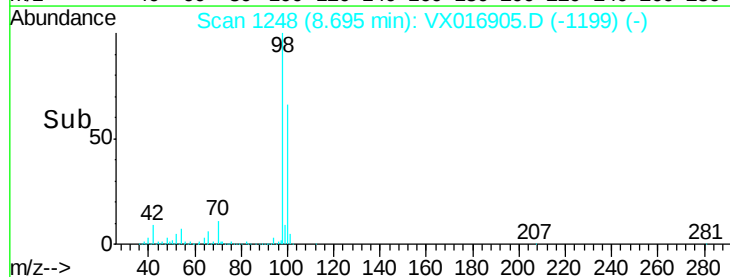


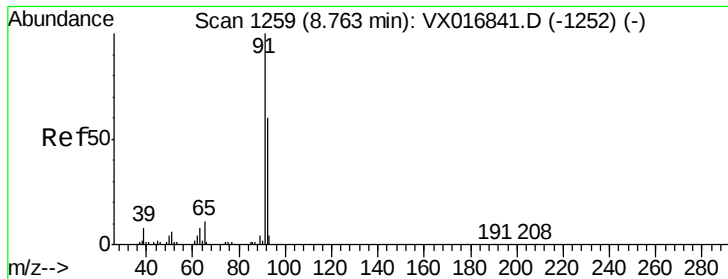
Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



Time-->





#52

Toluene

Concen: 0.237 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VX016905.D

Acq: 20 Jun 2020 03:59

Instrument :

MSVOA_X

ClientSampled :

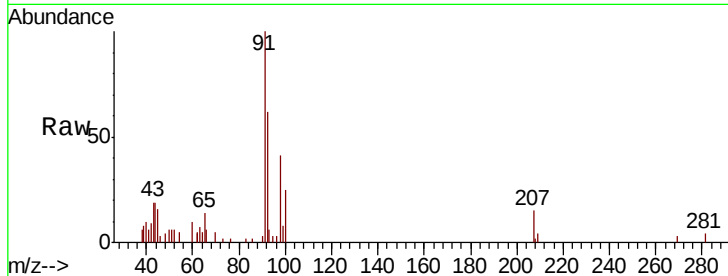
TW-3

Tot Ion: 92 Resp: 2148

Ion Ratio Lower Upper

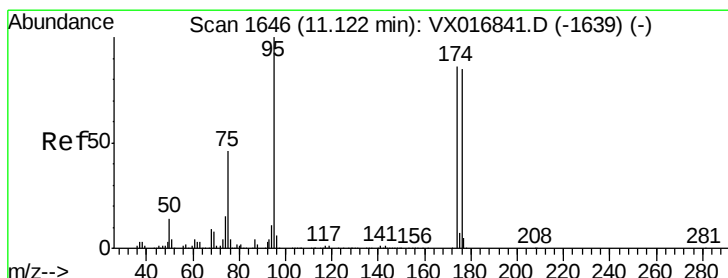
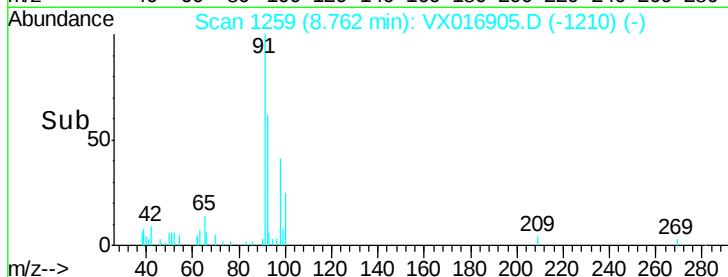
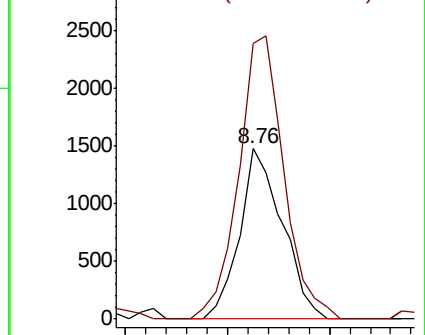
92 100

91 175.6 134.2 201.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 49.846 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016905.D

Acq: 20 Jun 2020 03:59

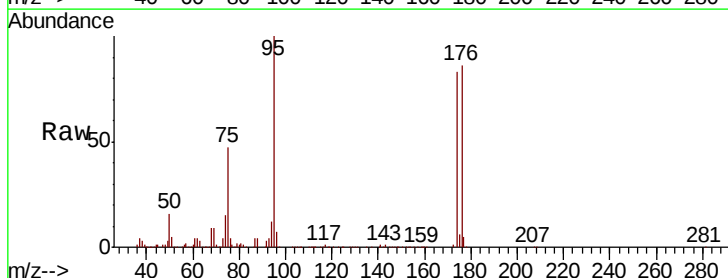
Tgt Ion: 95 Resp: 240578

Ion Ratio Lower Upper

95 100

174 85.4 0.0 174.2

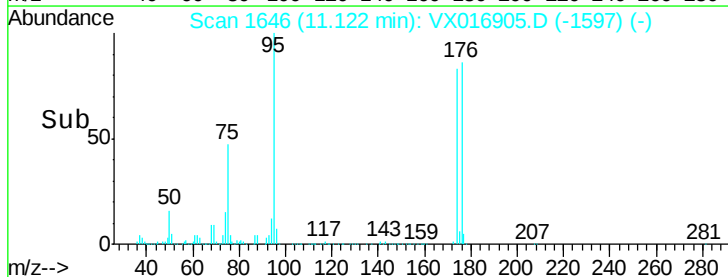
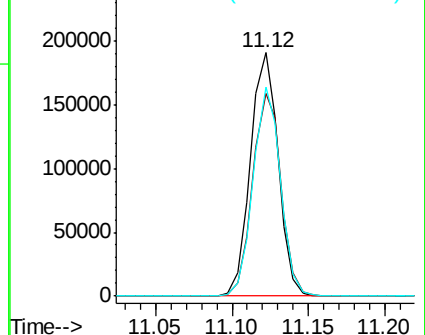
176 84.5 0.0 170.0

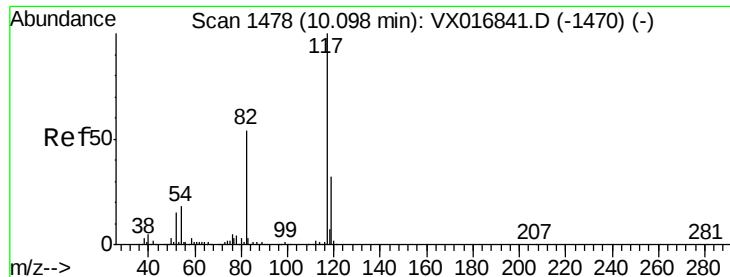


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

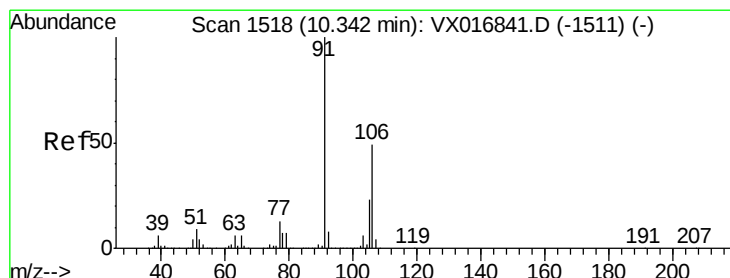
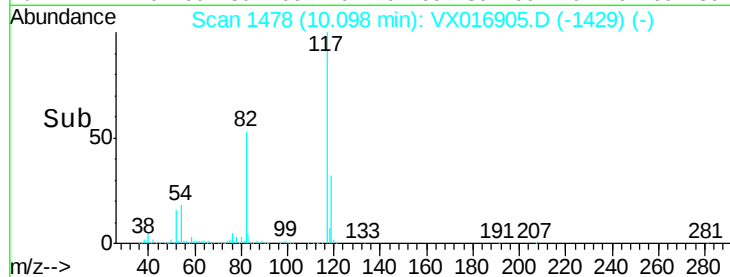
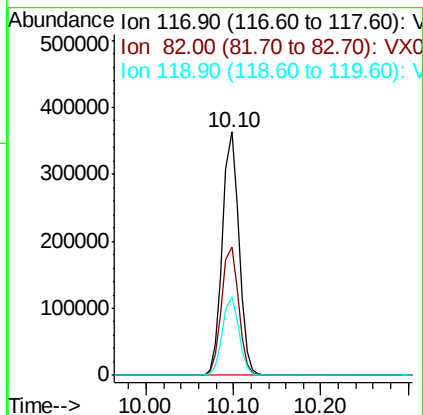
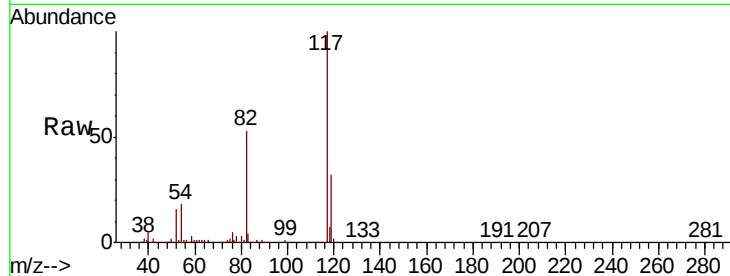




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016905.D
Acq: 20 Jun 2020 03:59

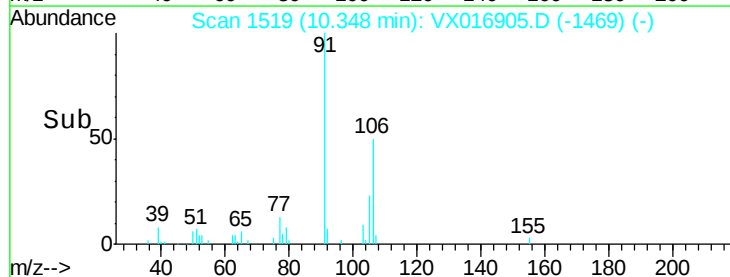
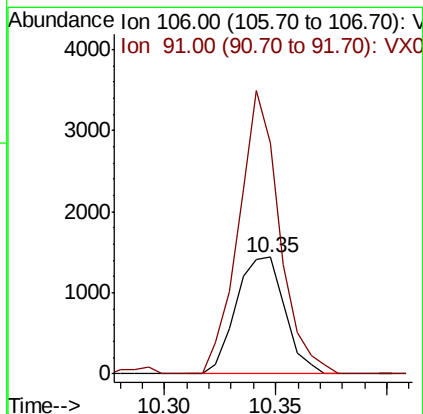
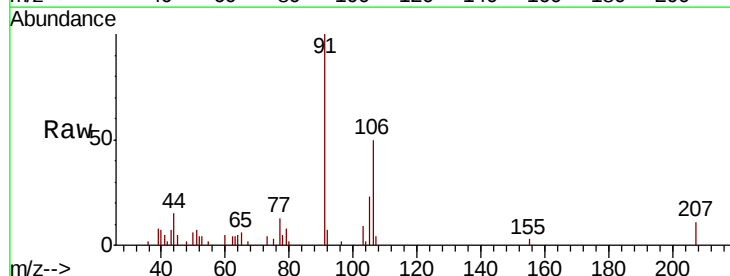
Instrument :
MSVOA_X
ClientSampleId :
TW-3

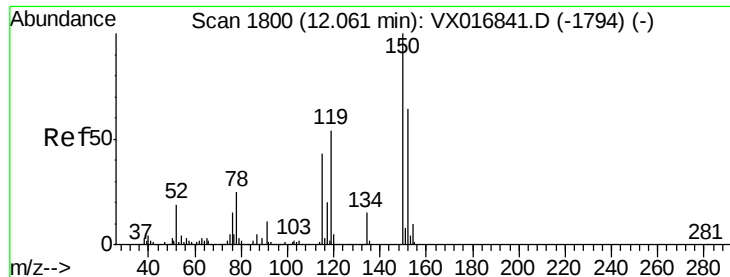
Tot Ion:117 Resp: 475600
Ion Ratio Lower Upper
117 100
82 52.9 43.4 65.0
119 32.5 25.7 38.5



#68
m/p-Xylenes
Concen: 0.346 ug/l
RT: 10.35 min Scan# 1519
Delta R.T. 0.01 min
Lab File: VX016905.D
Acq: 20 Jun 2020 03:59

Tgt Ion:106 Resp: 2187
Ion Ratio Lower Upper
106 100
91 204.4 161.5 242.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016905.D

Acq: 20 Jun 2020 03:59

Instrument :

MSVOA_X

ClientSampleId :

TW-3

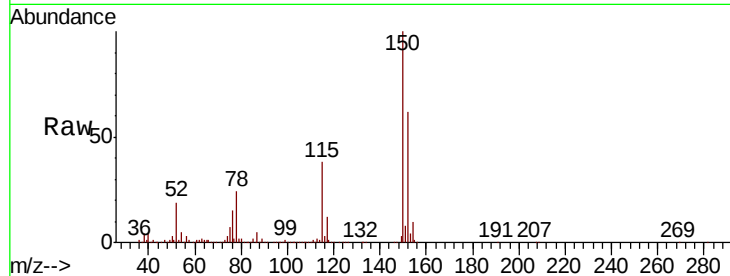
Tot Ion:152 Resp: 287196

Ion Ratio Lower Upper

152 100

115 58.4 40.9 122.8

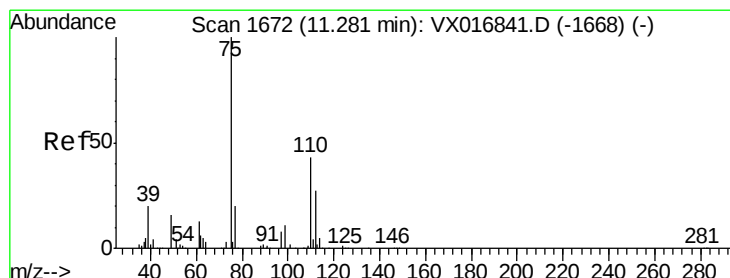
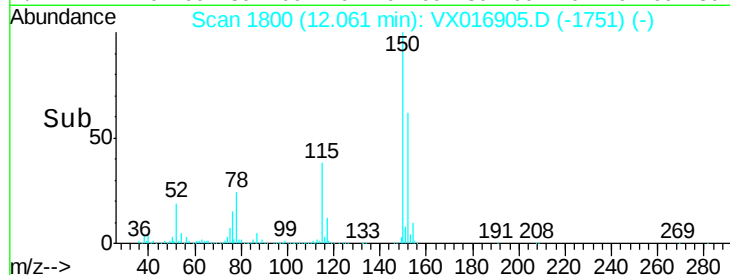
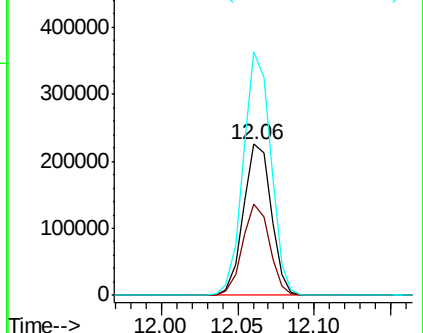
150 158.1 0.0 344.2



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: 21.617 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016905.D

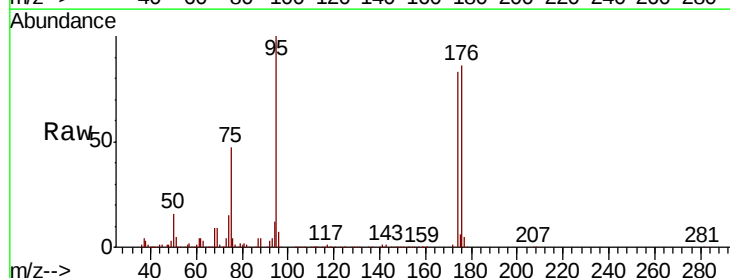
Acq: 20 Jun 2020 03:59

Tgt Ion: 75 Resp: 113386

Ion Ratio Lower Upper

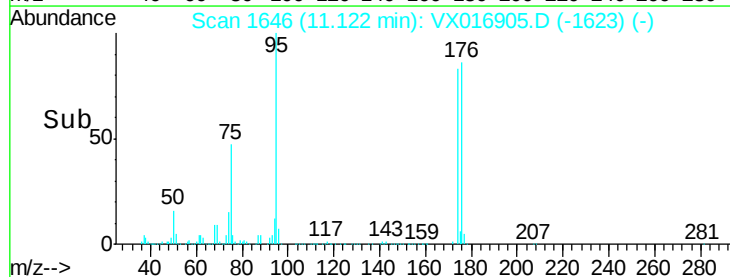
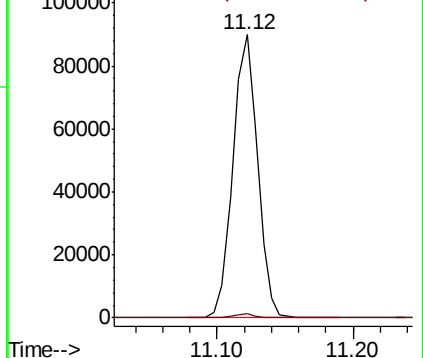
75 100

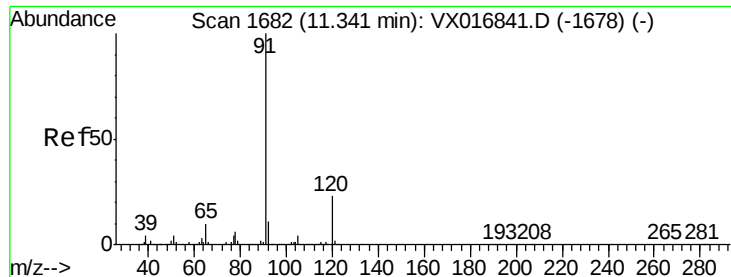
77 1.3 20.5 61.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

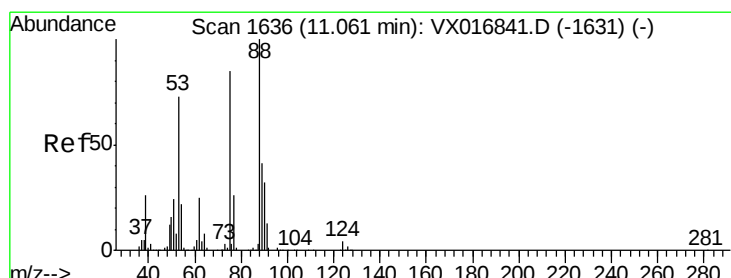
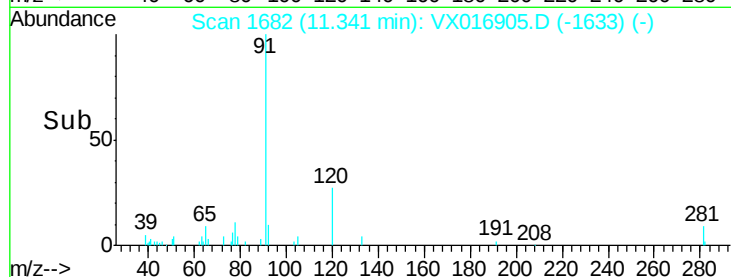
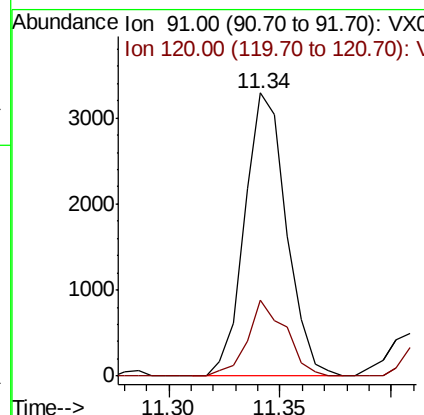
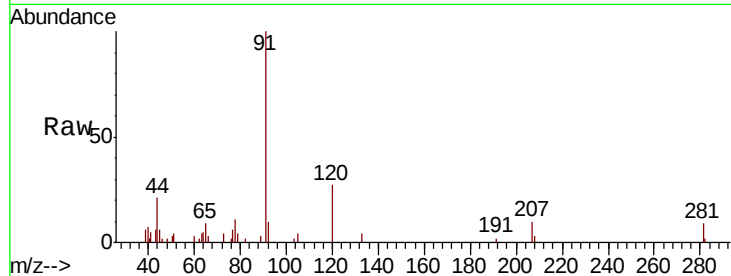




#78
n-propylbenzene
Concen: 0.209 ug/l
RT: 11.34 min Scan# 1682
Delta R.T. -0.00 min
Lab File: VX016905.D
Acq: 20 Jun 2020 03:59

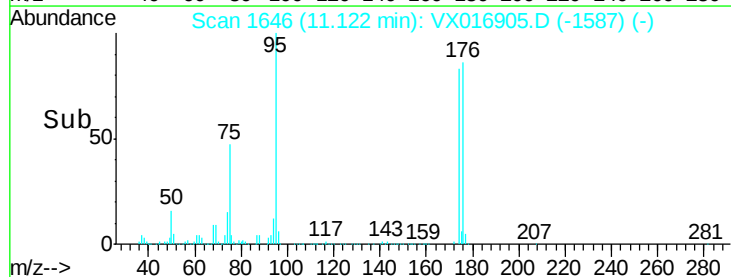
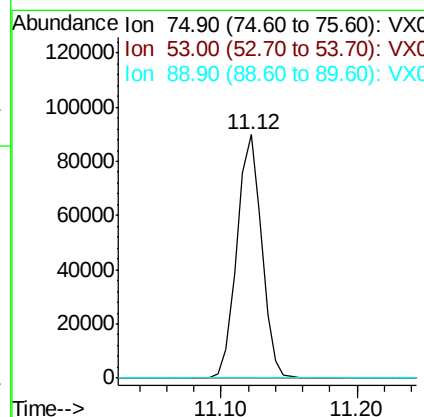
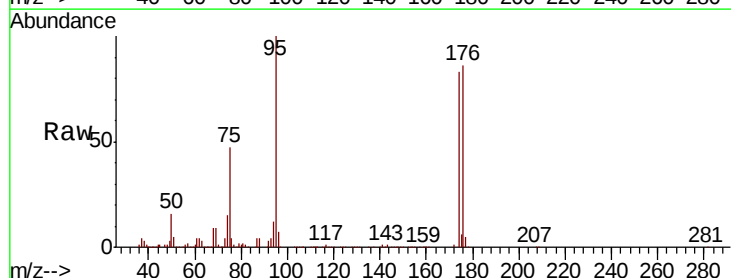
Instrument :
MSVOA_X
ClientSampleId :
TW-3

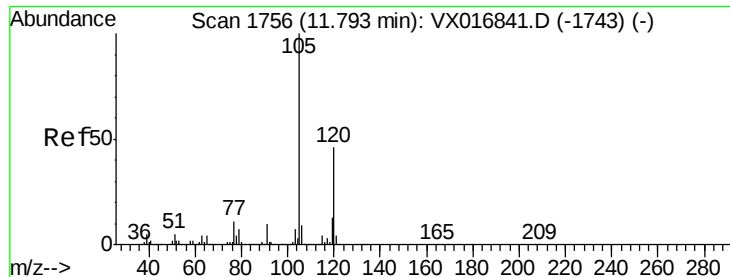
Tot Ion: 91 Resp: 4313
Ion Ratio Lower Upper
91 100
120 24.7 11.9 35.5



#81
trans-1,4-Dichloro-2-butene
Concen: 52.938 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.06 min
Lab File: VX016905.D
Acq: 20 Jun 2020 03:59

Tgt Ion: 75 Resp: 113386
Ion Ratio Lower Upper
75 100
53 0.1 69.8 104.8#
89 0.0 38.3 57.5#

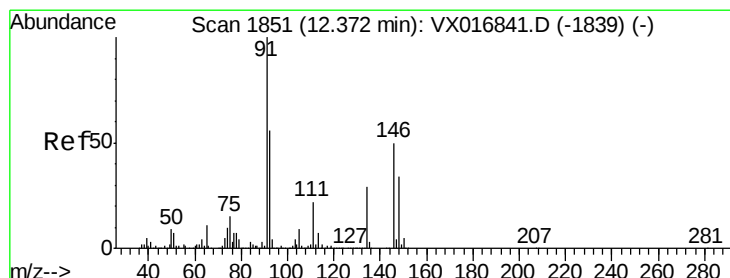
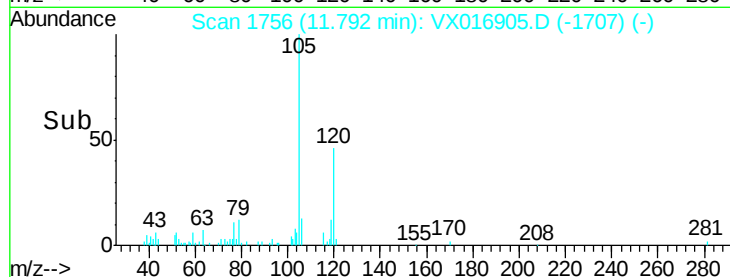
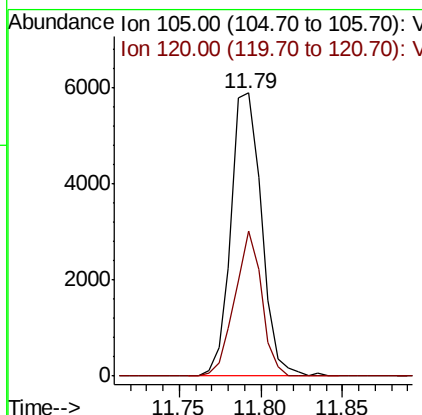
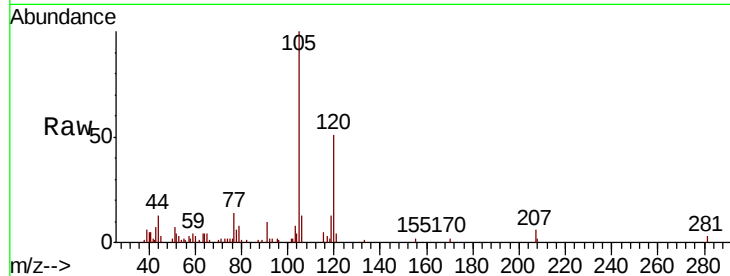




#84
 1,2,4-Trimethylbenzene
 Concen: 0.467 ug/l
 RT: 11.79 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VX016905.D
 Acq: 20 Jun 2020 03:59

Instrument :
 MSVOA_X
 ClientSampleId :
 TW-3

Tot Ion:105 Resp: 7676
 Ion Ratio Lower Upper
 105 100
 120 45.1 22.3 66.9



#89
 n-Butylbenzene
 Concen: 0.370 ug/l
 RT: 12.37 min Scan# 1850
 Delta R.T. -0.01 min
 Lab File: VX016905.D
 Acq: 20 Jun 2020 03:59

Tgt Ion: 91 Resp: 5323
 Ion Ratio Lower Upper
 91 100
 92 39.3 27.4 82.2
 134 81.6 13.9 41.6#

