

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081919\
 Data File : VX011627.D
 Acq On : 19 Aug 2019 13:21
 Operator : JC/SP
 Sample : K4351-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PH2-0145

Quant Time: Aug 20 09:38:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 04:15:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	447596	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	617155	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	546741	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	280194	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	208195	50.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.32%	
35) Dibromofluoromethane	5.49	113	180379	44.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.38%	
50) Toluene-d8	8.71	98	697370	55.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.90%	
62) 4-Bromofluorobenzene	11.13	95	249647	47.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.06%	

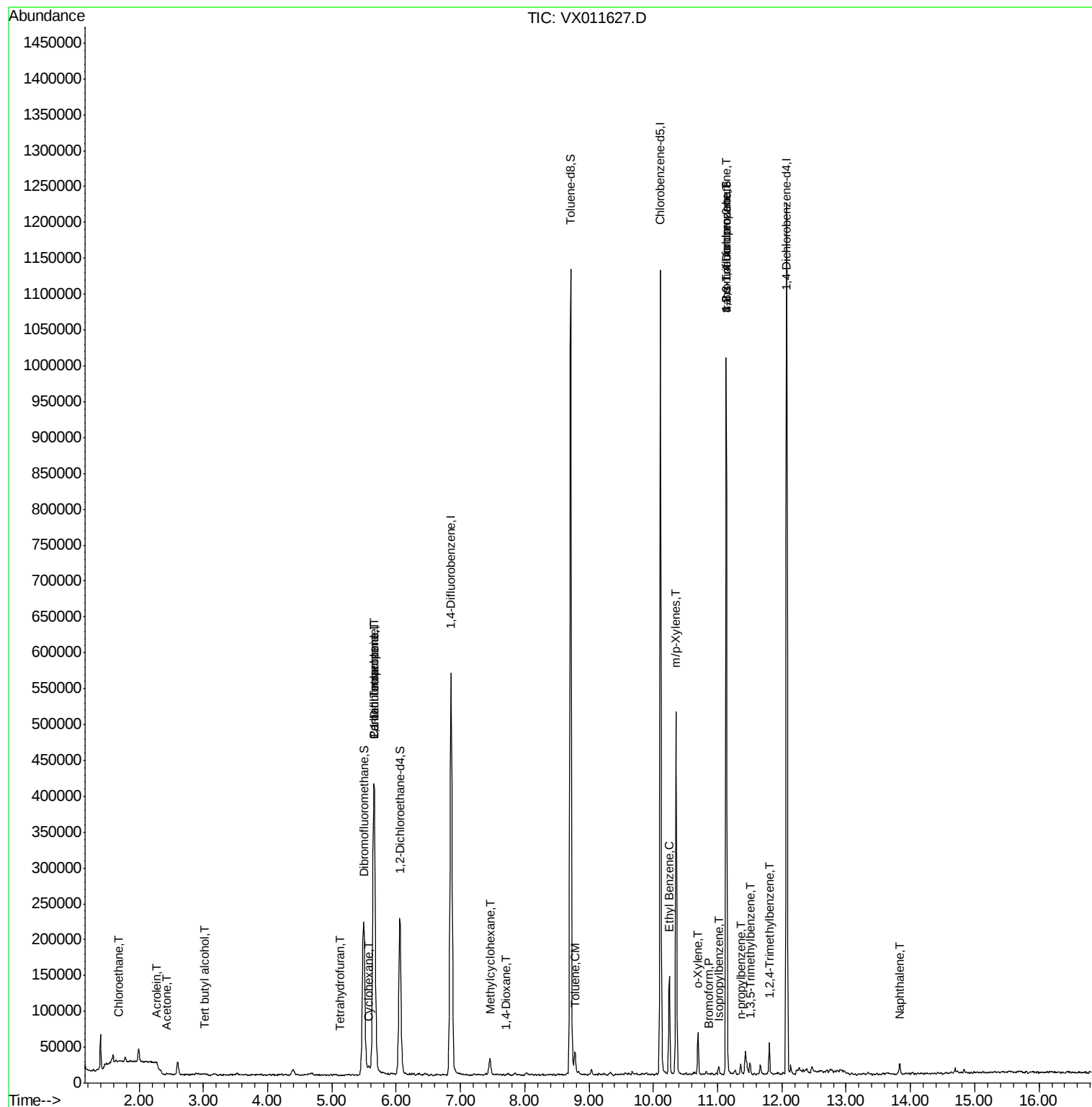
Target Compounds						Qvalue
6) Chloroethane	1.68	64	515	0.264	ug/l #	82
11) Tert butyl alcohol	3.01	59	1656	1.626	ug/l #	89
13) Acrolein	2.28	56	268	12.998	ug/l #	1
16) Acetone	2.44	43	2496	1.196	ug/l #	88
29) Tetrahydrofuran	5.13	42	439	0.204	ug/l #	53
31) Cyclohexane	5.58	56	7428	1.207	ug/l	87
36) 1,1-Dichloropropene	5.66	75	25429	4.819	ug/l #	40
38) Carbon Tetrachloride	5.66	117	36723	6.317	ug/l #	17
39) Methylcyclohexane	7.46	83	11429	1.754	ug/l	95
49) 1,4-Dioxane	7.71	88	52	0.417	ug/l #	1
52) Toluene	8.78	92	10898	1.043	ug/l	99
67) Ethyl Benzene	10.25	91	83223	4.276	ug/l	100
68) m/p-Xylenes	10.35	106	120594	16.143	ug/l	96
69) o-Xylene	10.69	106	13669	1.868	ug/l	95
71) Bromoform	10.86	173	83	3.310	ug/l #	28
73) Isopropylbenzene	11.02	105	6351	0.349	ug/l	96
76) 1,2,3-Trichloropropane	11.13	75	114873	21.621	ug/l #	35
78) n-propylbenzene	11.36	91	7126	0.363	ug/l	91
80) 1,3,5-Trimethylbenzene	11.51	105	7562	0.495	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.13	75	114873	57.800	ug/l #	11
84) 1,2,4-Trimethylbenzene	11.80	105	19242	1.255	ug/l	98
95) Naphthalene	13.83	128	10234	0.521	ug/l #	91

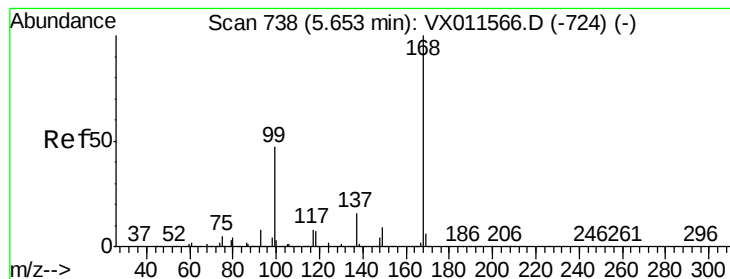
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Aug 16 04:15:26 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011627.D

Acq: 19 Aug 2019 13:21

Instrument :

MSVOA_X

ClientSampleId :

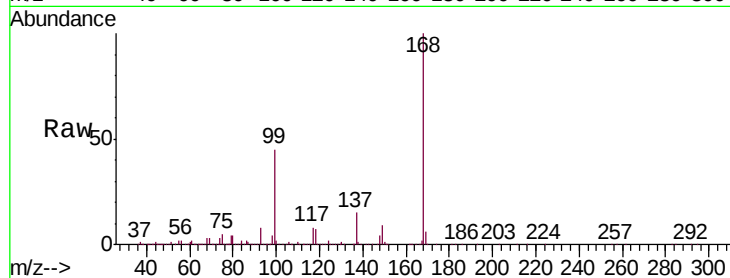
PH2-0145

Tgt Ion:168 Resp: 447596

Ion Ratio Lower Upper

168 100

99 45.1 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

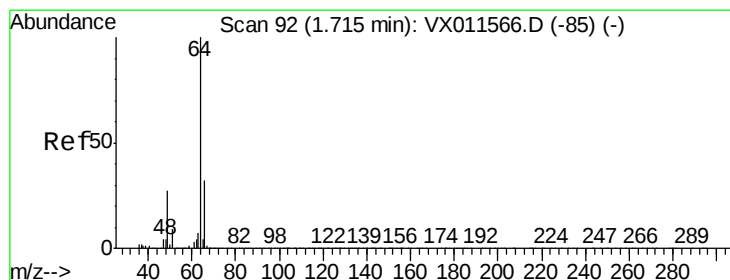
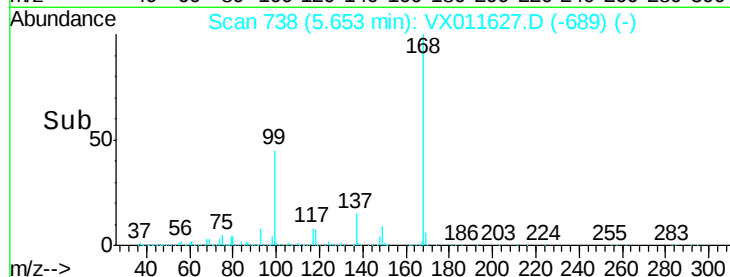
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 0.264 ug/l

RT: 1.68 min Scan# 87

Delta R.T. -0.03 min

Lab File: VX011627.D

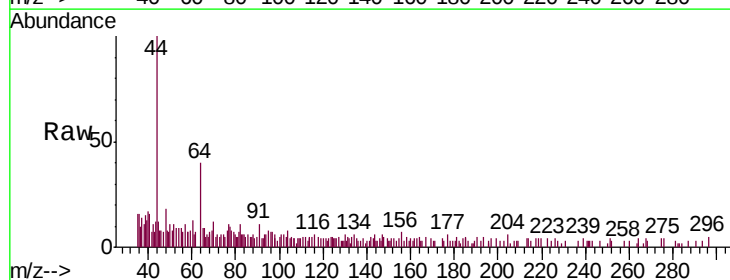
Acq: 19 Aug 2019 13:21

Tgt Ion: 64 Resp: 515

Ion Ratio Lower Upper

64 100

66 41.5 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.68

1000

800

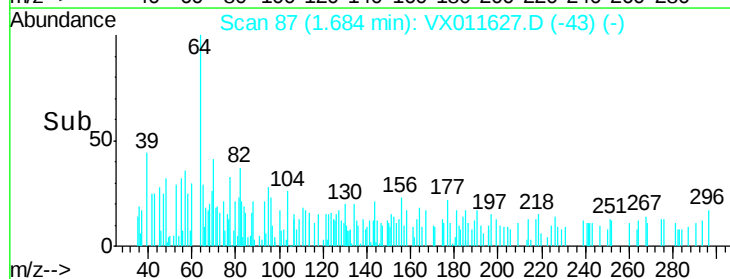
600

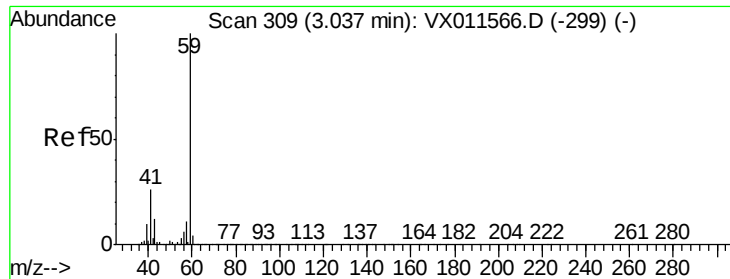
400

200

0

Time-->

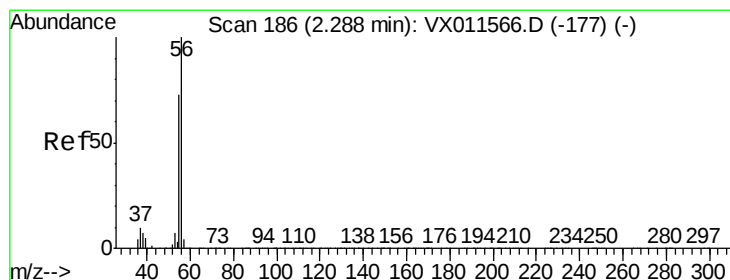
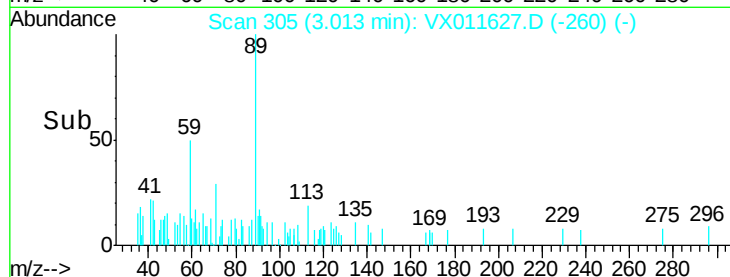
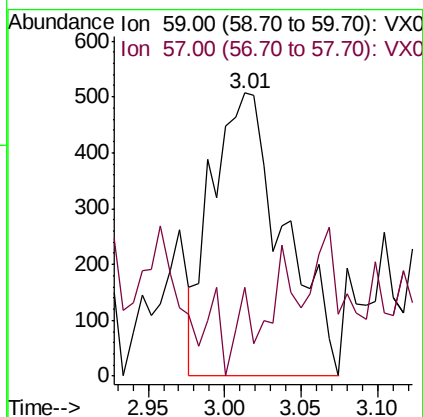
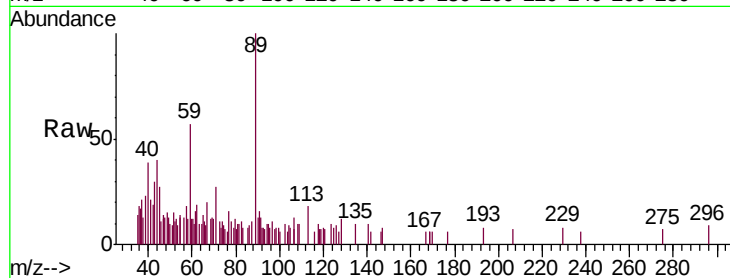




#11
Tert butyl alcohol
Concen: 1.626 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.02 min
Lab File: VX011627.D
Acq: 19 Aug 2019 13:21

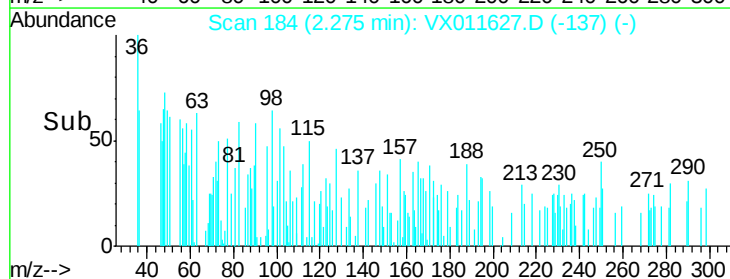
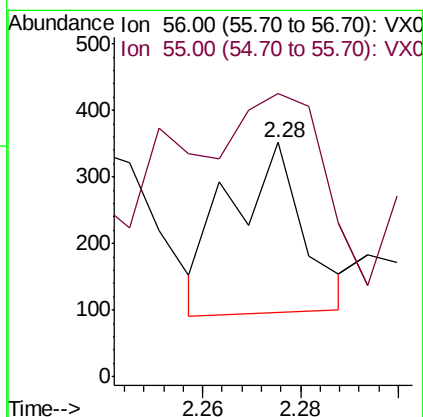
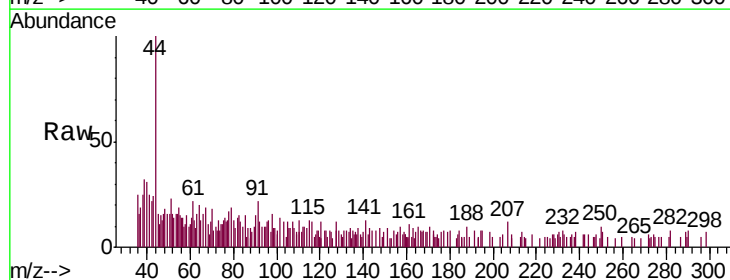
Instrument :
MSVOA_X
ClientSampled :
PH2-0145

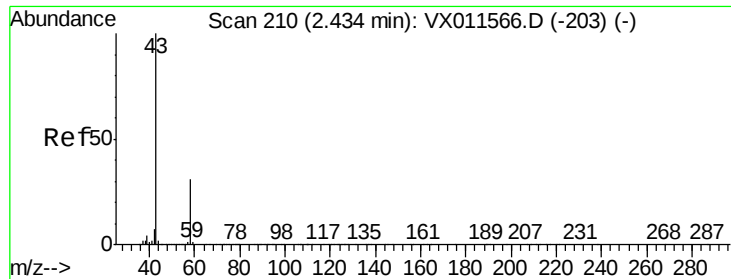
Tgt Ion: 59 Resp: 1656
Ion Ratio Lower Upper
59 100
57 6.7 8.7 13.1#



#13
Acrolein
Concen: 12.998 ug/l
RT: 2.28 min Scan# 184
Delta R.T. -0.01 min
Lab File: VX011627.D
Acq: 19 Aug 2019 13:21

Tgt Ion: 56 Resp: 268
Ion Ratio Lower Upper
56 100
55 210.4 55.5 83.3#





#16

Acetone

Concen: 1.196 ug/l

RT: 2.44 min Scan# 211

Delta R.T. 0.01 min

Lab File: VX011627.D

Acq: 19 Aug 2019 13:21

Instrument :

MSVOA_X

ClientSampled :

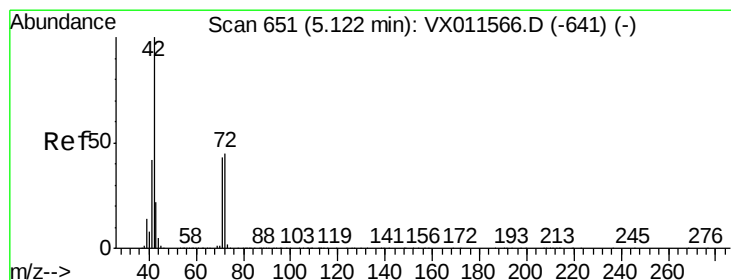
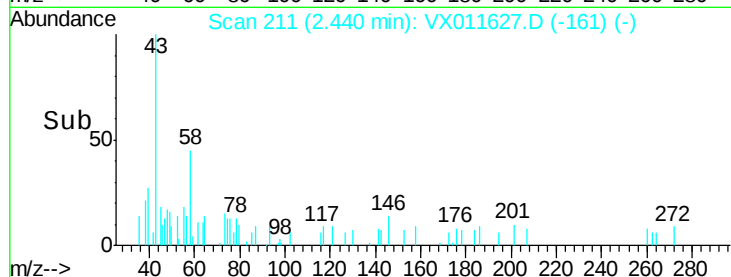
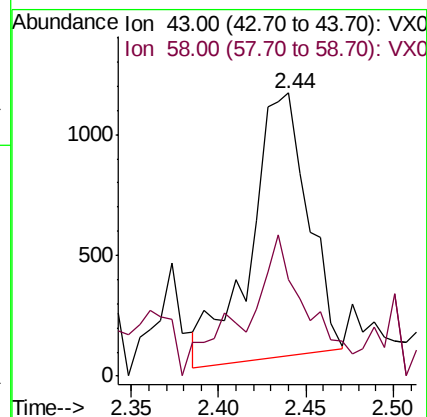
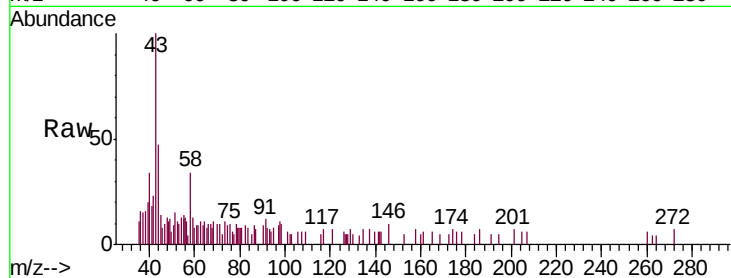
PH2-0145

Tgt Ion: 43 Resp: 2496

Ion Ratio Lower Upper

43 100

58 24.7 25.2 37.8#



#29

Tetrahydrofuran

Concen: 0.204 ug/l

RT: 5.13 min Scan# 652

Delta R.T. 0.01 min

Lab File: VX011627.D

Acq: 19 Aug 2019 13:21

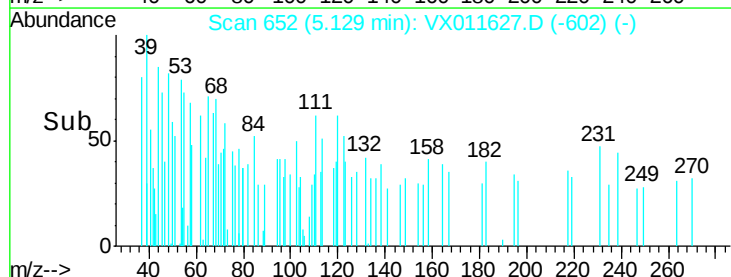
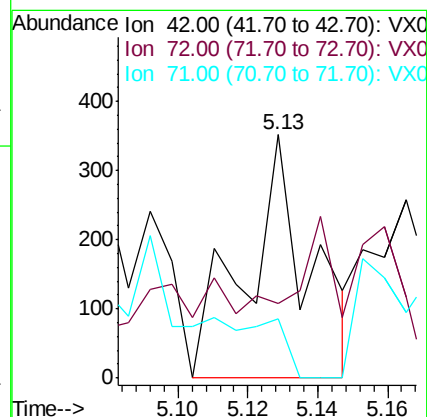
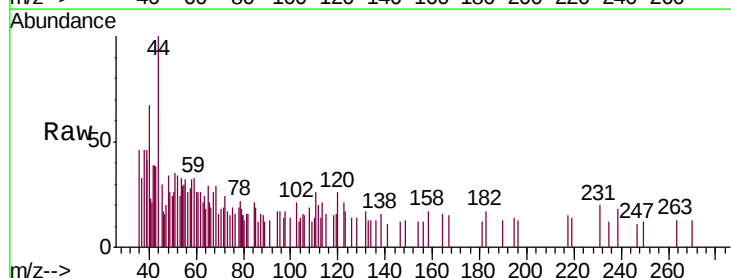
Tgt Ion: 42 Resp: 439

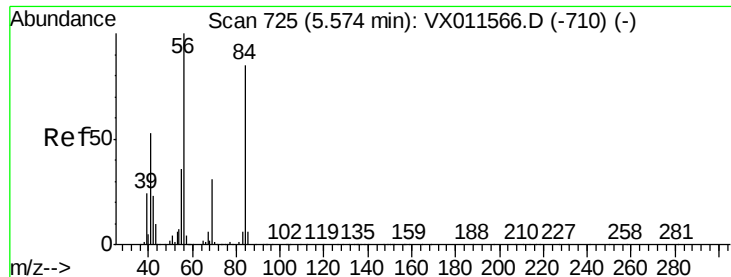
Ion Ratio Lower Upper

42 100

72 26.2 36.1 54.1#

71 0.0 33.8 50.8#

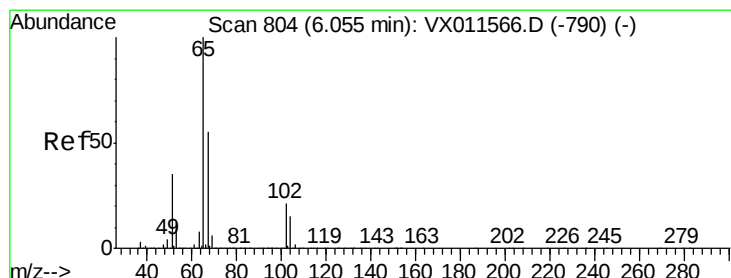
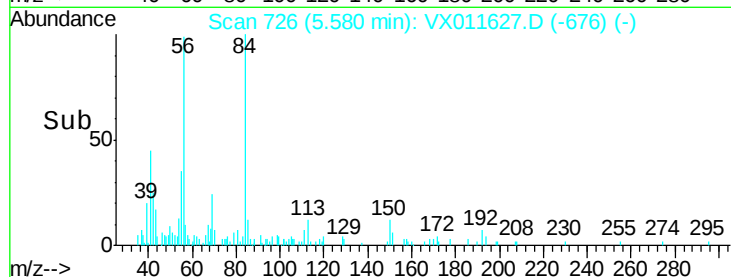
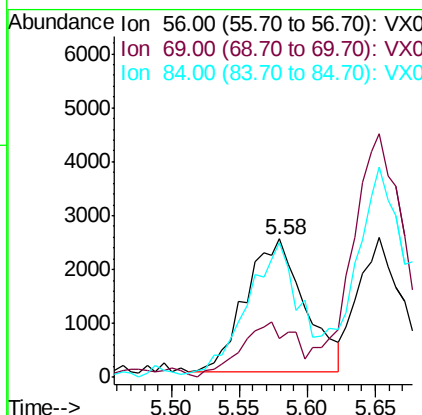
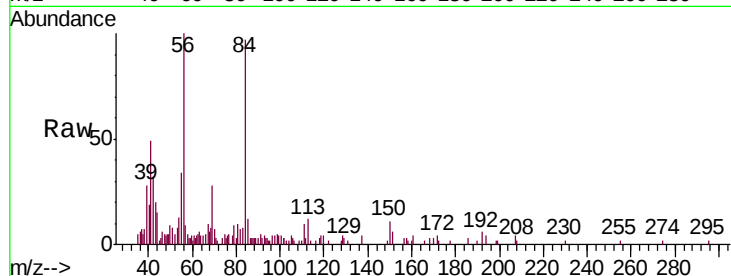




#31
Cyclohexane
Concen: 1.207 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.01 min
Lab File: VX011627.D
Acq: 19 Aug 2019 13:21

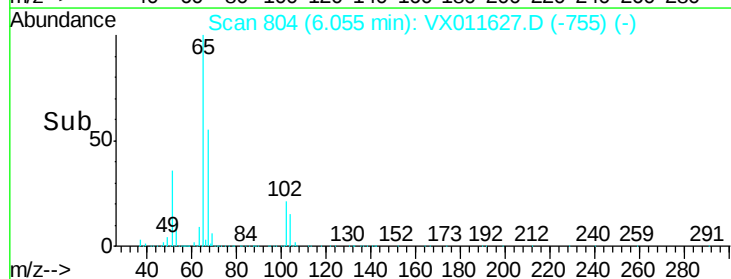
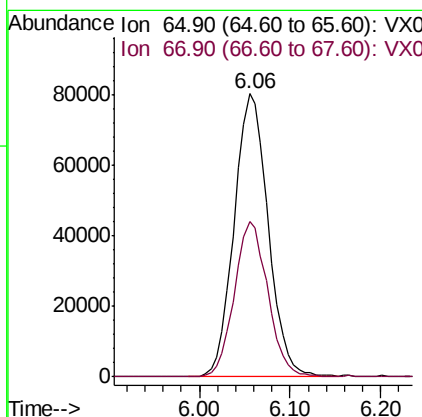
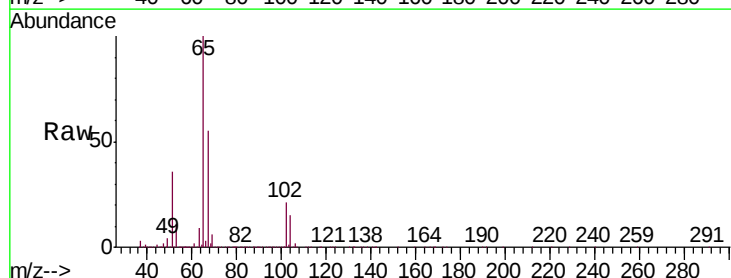
Instrument :
MSVOA_X
ClientSampleId :
PH2-0145

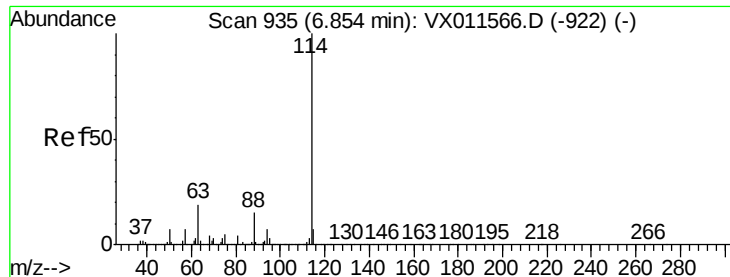
Tgt Ion: 56 Resp: 7428
Ion Ratio Lower Upper
56 100
69 26.9 24.8 37.2
84 98.2 67.9 101.9



#33
1,2-Dichloroethane-d4
Concen: 50.157 ug/l
RT: 6.06 min Scan# 804
Delta R.T. 0.00 min
Lab File: VX011627.D
Acq: 19 Aug 2019 13:21

Tgt Ion: 65 Resp: 208195
Ion Ratio Lower Upper
65 100
67 53.8 0.0 107.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. 0.00 min

Lab File: VX011627.D

Acq: 19 Aug 2019 13:21

Instrument :

MSVOA_X

ClientSampleId :

PH2-0145

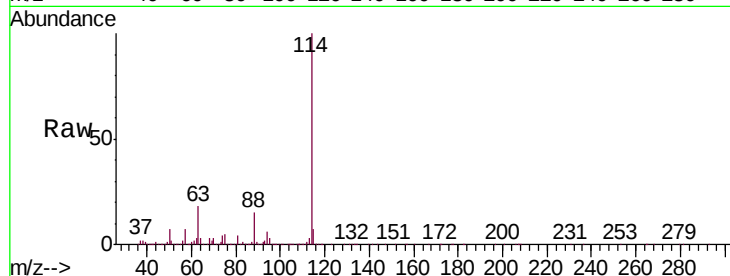
Tgt Ion:114 Resp: 617155

Ion Ratio Lower Upper

114 100

63 18.2 0.0 37.8

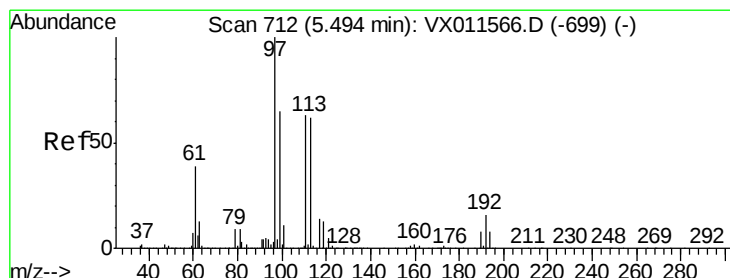
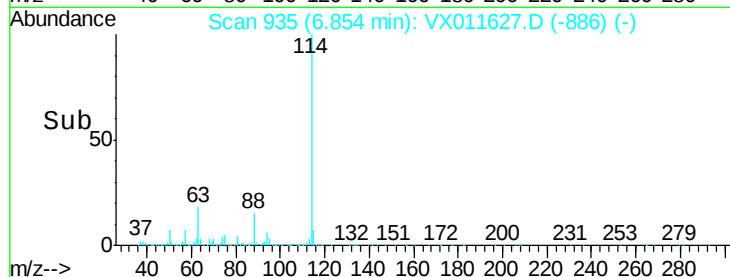
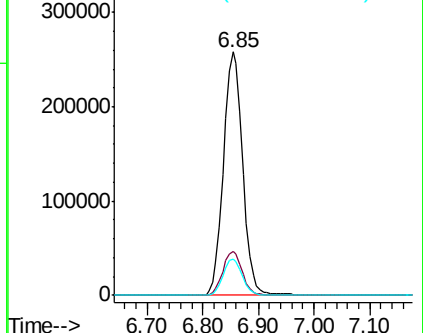
88 14.7 0.0 30.2



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



#35

Dibromofluoromethane

Concen: 44.686 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX011627.D

Acq: 19 Aug 2019 13:21

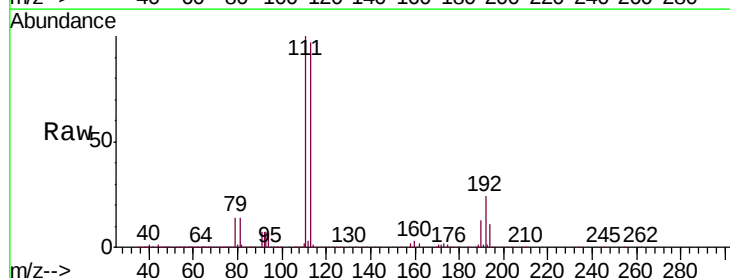
Tgt Ion:113 Resp: 180379

Ion Ratio Lower Upper

113 100

111 102.6 81.1 121.7

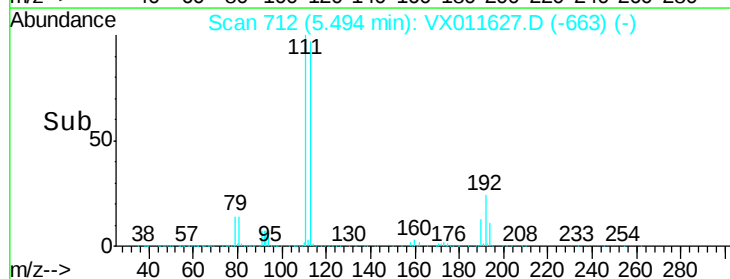
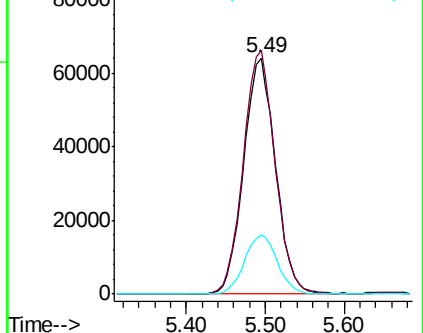
192 25.8 20.8 31.2

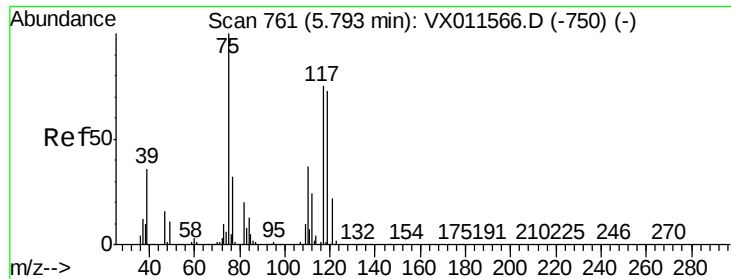


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

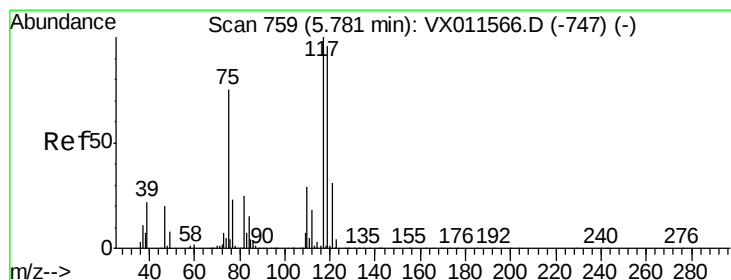
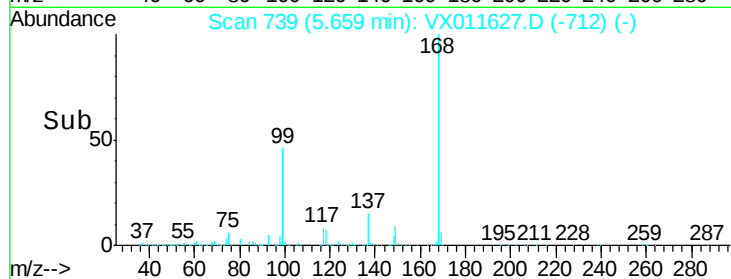
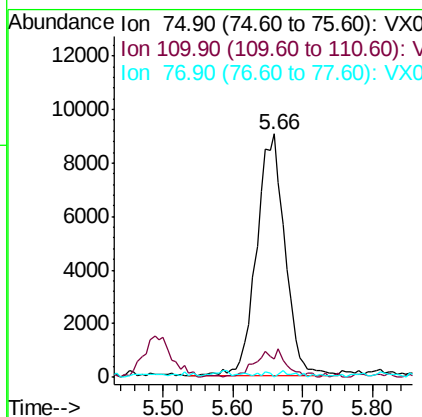
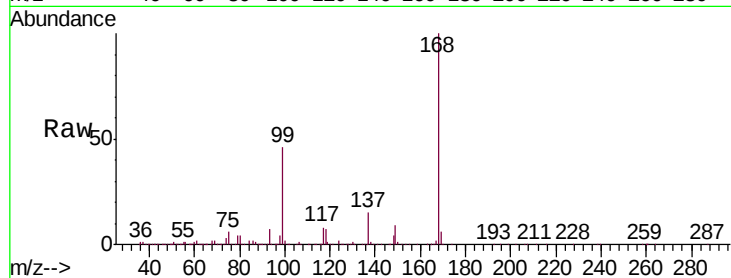




#36
 1,1-Dichloropropene
 Concen: 4.819 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX011627.D
 Acq: 19 Aug 2019 13:21

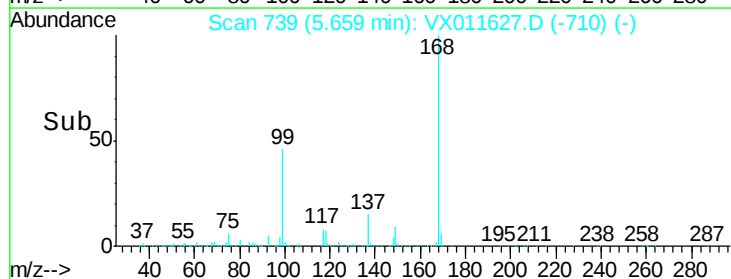
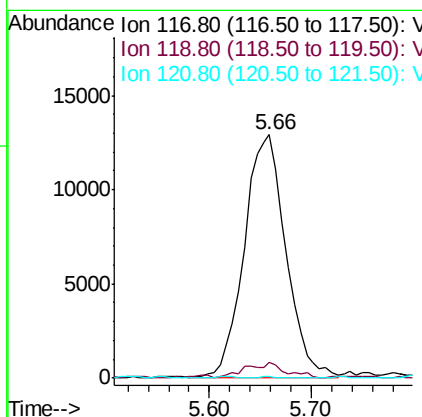
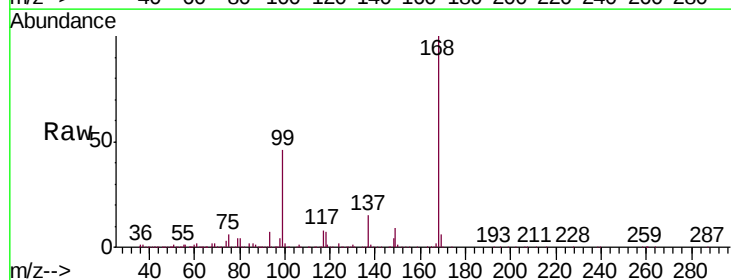
Instrument :
 MSVOA_X
 ClientSampleId :
 PH2-0145

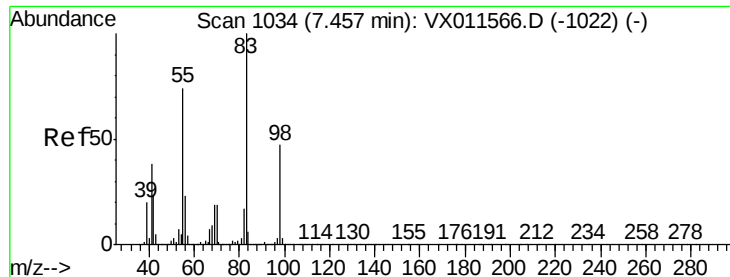
Tgt Ion	Ratio	Lower	Upper
75	100		
110	0.0	19.4	58.1#
77	0.8	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 6.317 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX011627.D
 Acq: 19 Aug 2019 13:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.0	76.9	115.3#
121	0.7	24.8	37.2#





#39

Methylcyclohexane

Concen: 1.754 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. 0.01 min

Lab File: VX011627.D

Acq: 19 Aug 2019 13:21

Instrument :

MSVOA_X

ClientSampleId :

PH2-0145

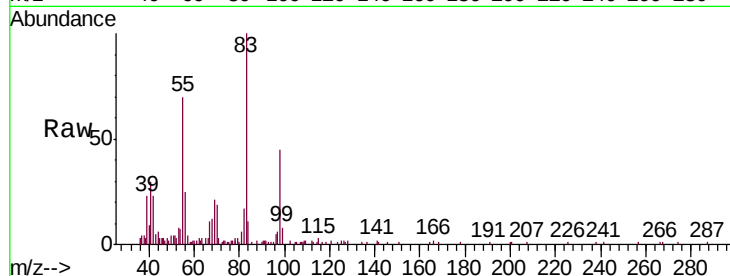
Tgt Ion: 83 Resp: 11429

Ion Ratio Lower Upper

83 100

55 67.8 58.8 88.2

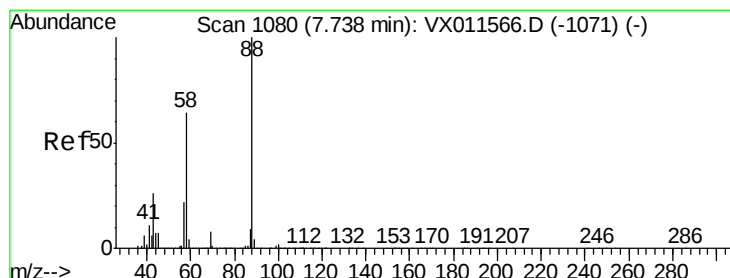
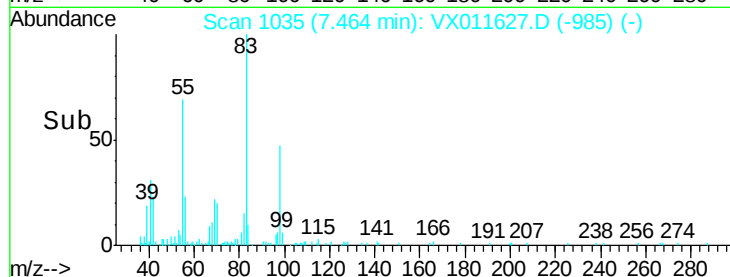
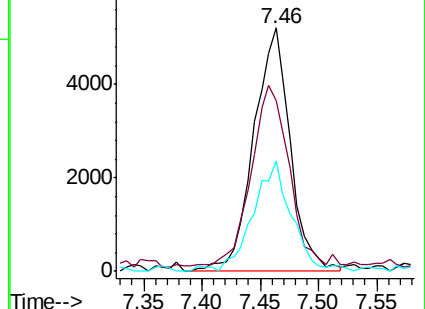
98 45.5 37.8 56.6



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



#49

1,4-Dioxane

Concen: 0.417 ug/l

RT: 7.71 min Scan# 1076

Delta R.T. -0.02 min

Lab File: VX011627.D

Acq: 19 Aug 2019 13:21

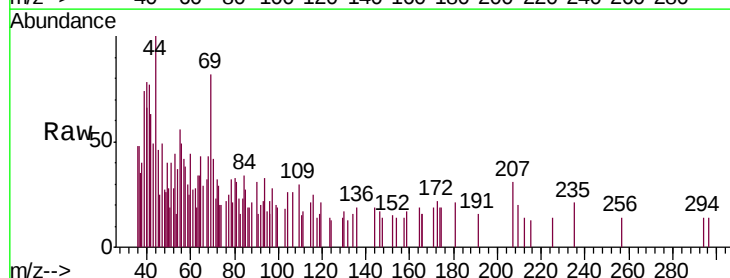
Tgt Ion: 88 Resp: 52

Ion Ratio Lower Upper

88 100

43 0.0 23.4 35.0#

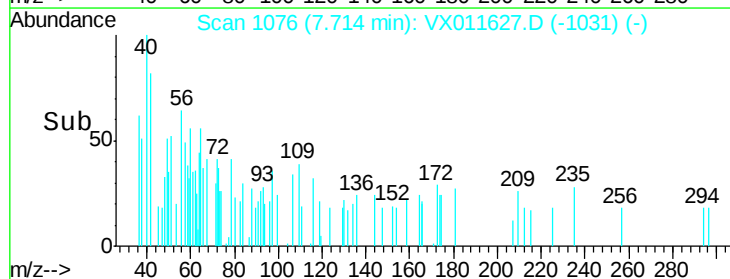
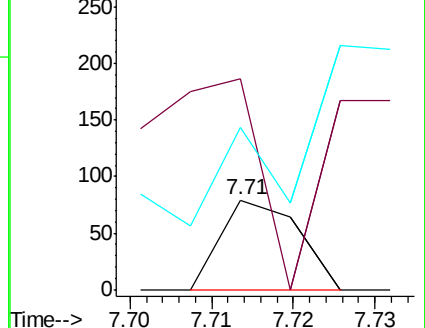
58 569.2 54.3 81.5#

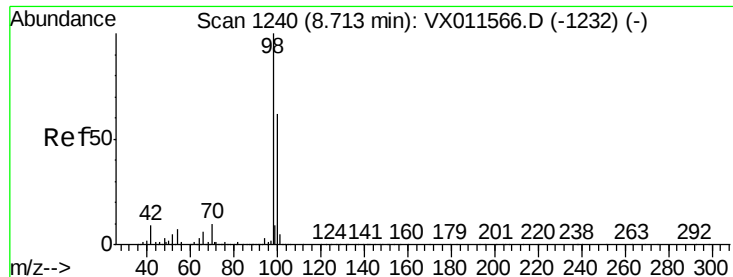


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 55.446 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX011627.D

Acq: 19 Aug 2019 13:21

Instrument :

MSVOA_X

ClientSampleId :

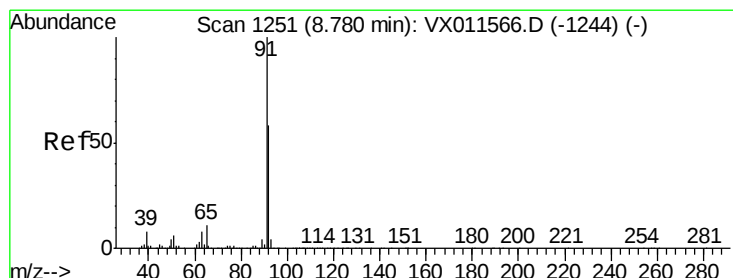
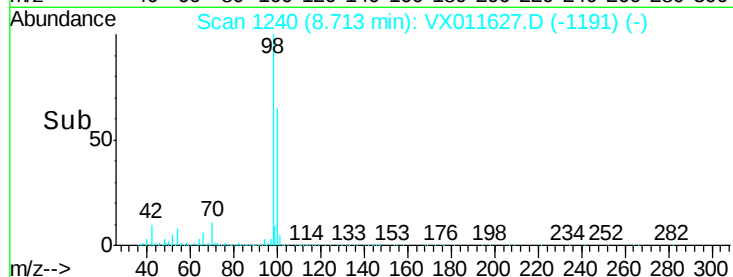
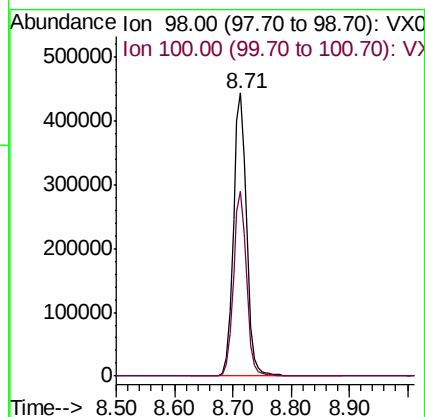
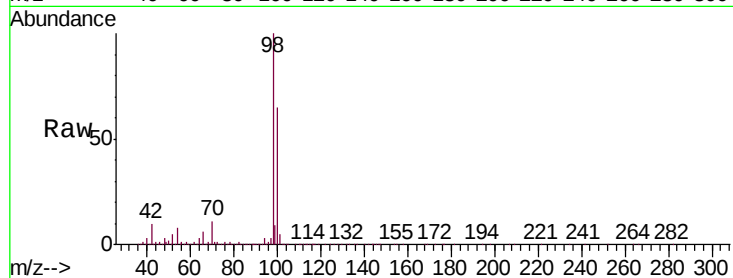
PH2-0145

Tgt Ion: 98 Resp: 697370

Ion Ratio Lower Upper

98 100

100 64.9 52.4 78.6



#52

Toluene

Concen: 1.043 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX011627.D

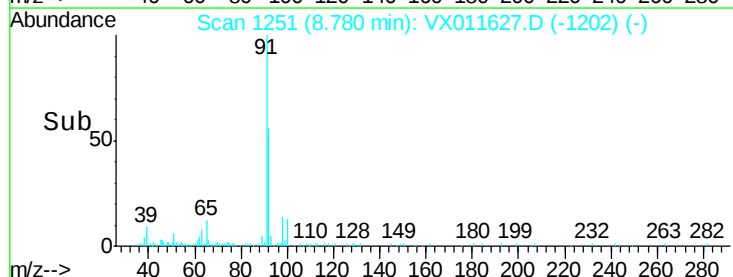
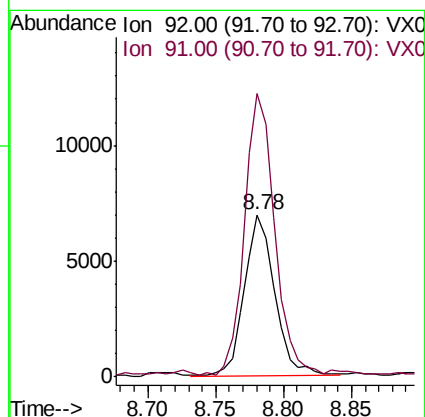
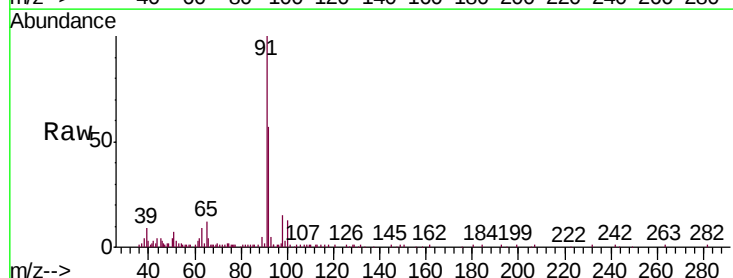
Acq: 19 Aug 2019 13:21

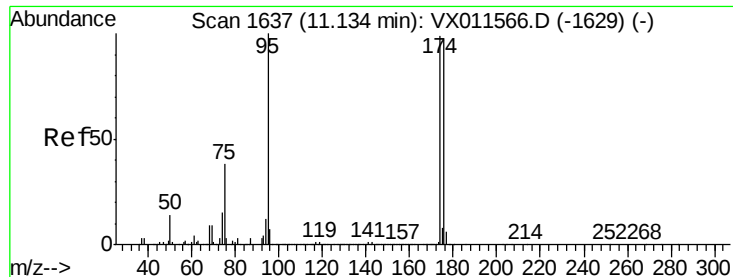
Tgt Ion: 92 Resp: 10898

Ion Ratio Lower Upper

92 100

91 173.8 138.0 207.0





#62

4-Bromofluorobenzene

Concen: 47.026 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011627.D

Acq: 19 Aug 2019 13:21

Instrument :

MSVOA_X

ClientSampleId :

PH2-0145

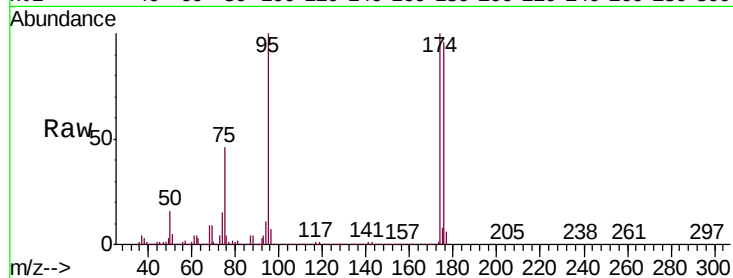
Tgt Ion: 95 Resp: 249647

Ion Ratio Lower Upper

95 100

174 99.9 0.0 200.6

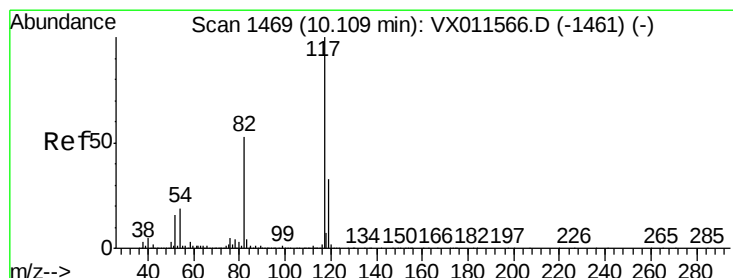
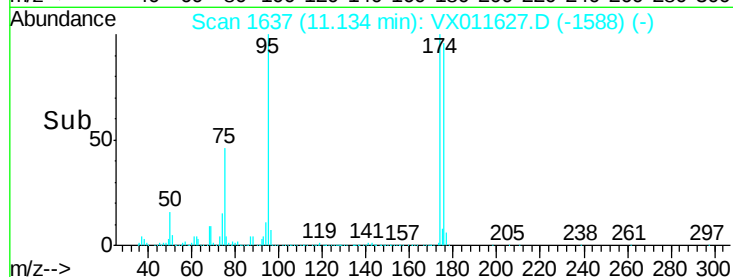
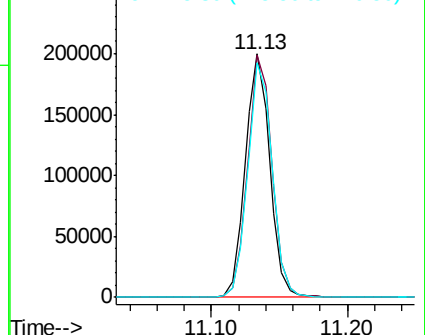
176 97.1 0.0 196.6



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: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX011627.D

Acq: 19 Aug 2019 13:21

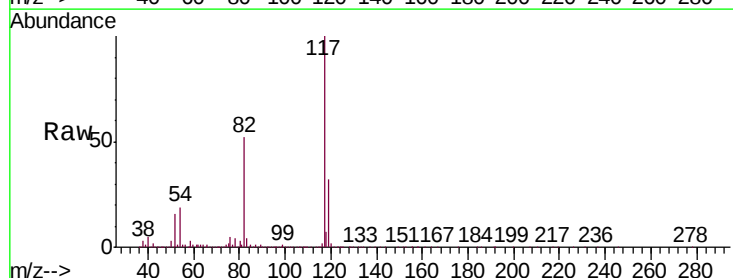
Tgt Ion: 117 Resp: 546741

Ion Ratio Lower Upper

117 100

82 51.6 42.0 63.0

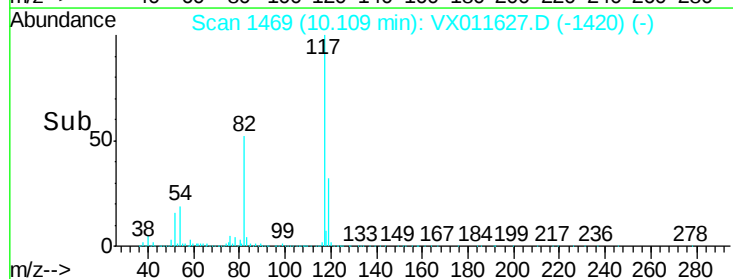
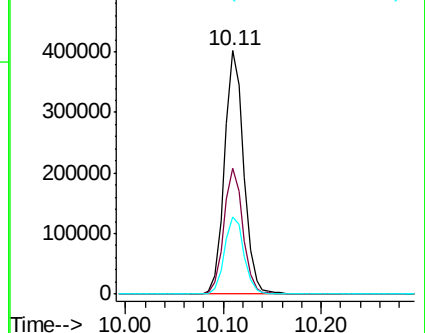
119 31.8 26.5 39.7

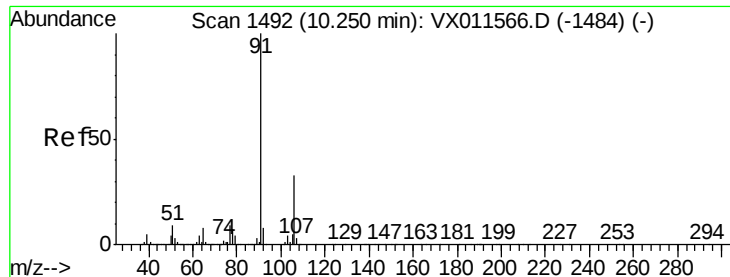


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#67

Ethyl Benzene

Concen: 4.276 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX011627.D

Acq: 19 Aug 2019 13:21

Instrument :

MSVOA_X

ClientSampleId :

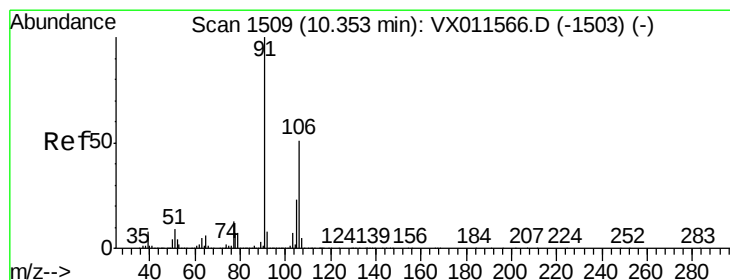
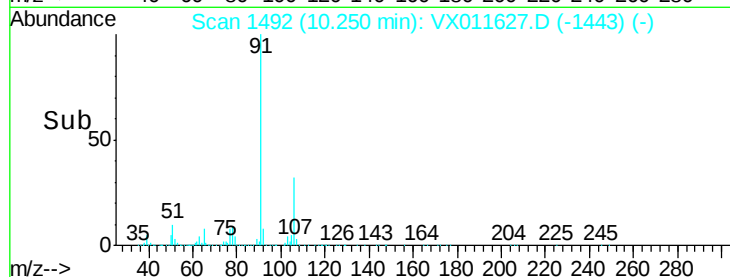
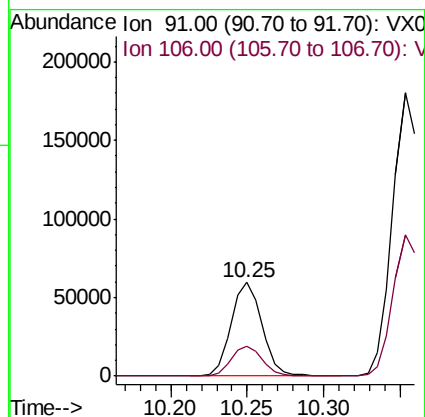
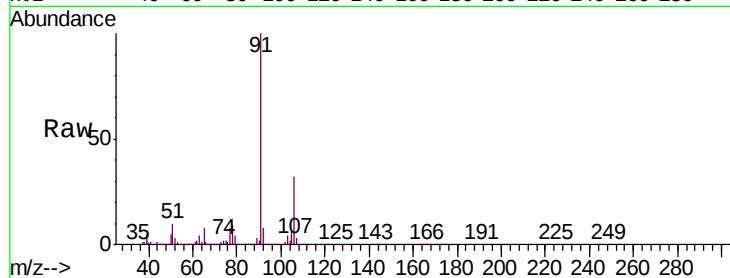
PH2-0145

Tgt Ion: 91 Resp: 83223

Ion Ratio Lower Upper

91 100

106 32.2 26.0 39.0



#68

m/p-Xylenes

Concen: 16.143 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. 0.00 min

Lab File: VX011627.D

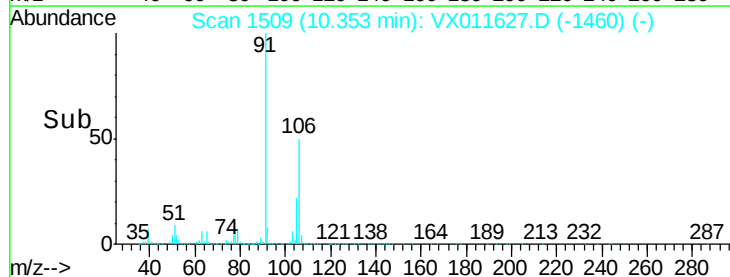
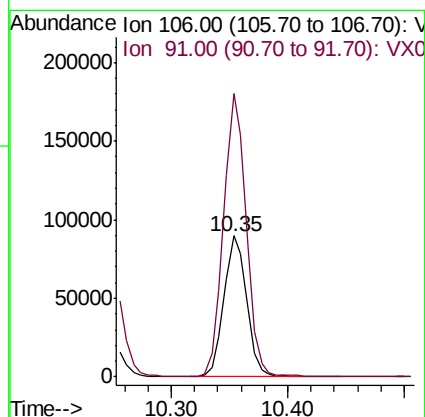
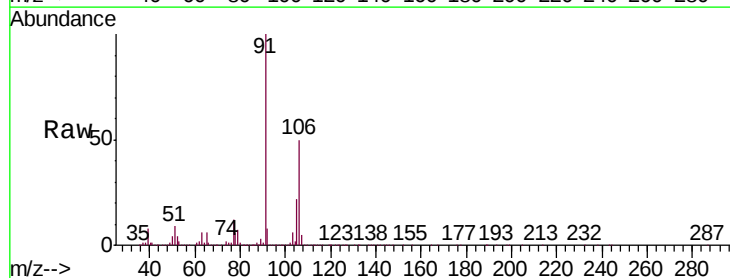
Acq: 19 Aug 2019 13:21

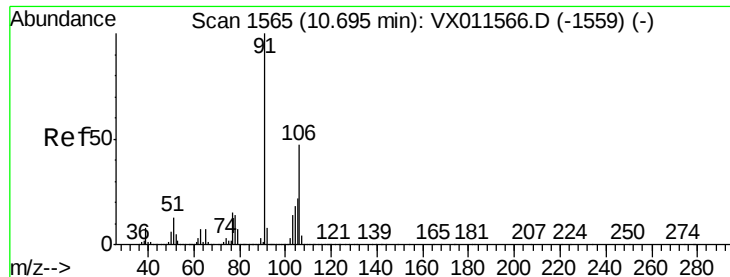
Tgt Ion: 106 Resp: 120594

Ion Ratio Lower Upper

106 100

91 200.4 156.0 234.0

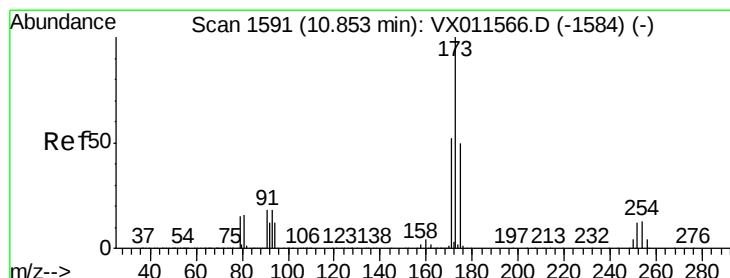
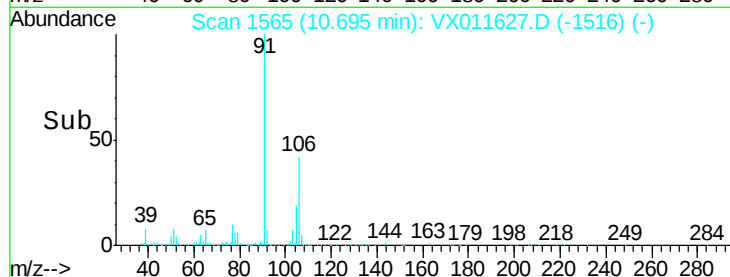
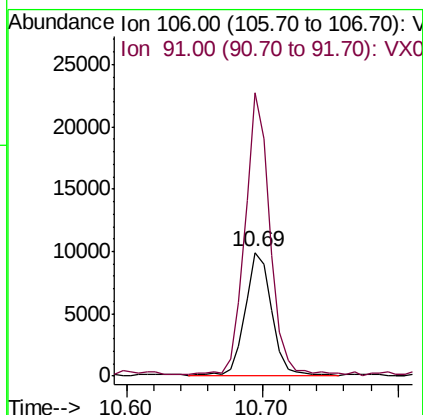
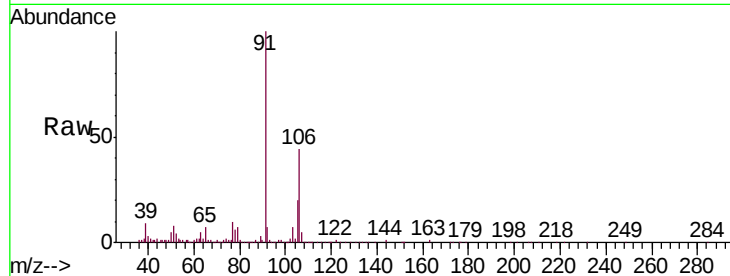




#69
o-Xylene
Concen: 1.868 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011627.D
Acq: 19 Aug 2019 13:21

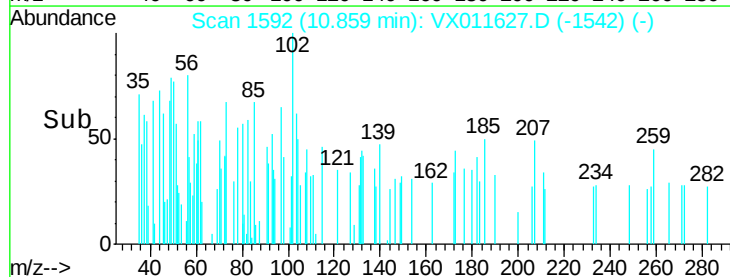
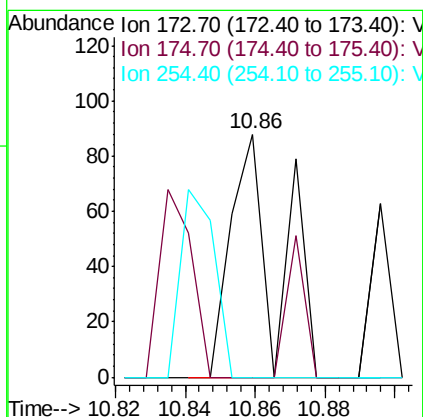
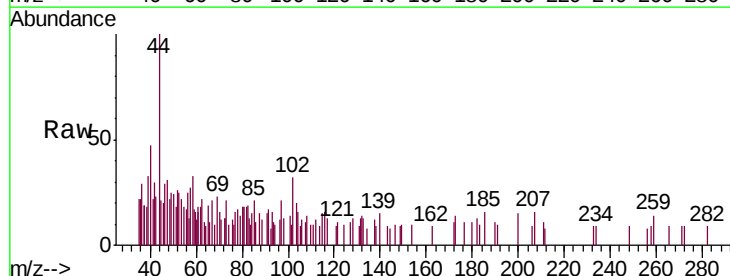
Instrument :
MSVOA_X
ClientSampled :
PH2-0145

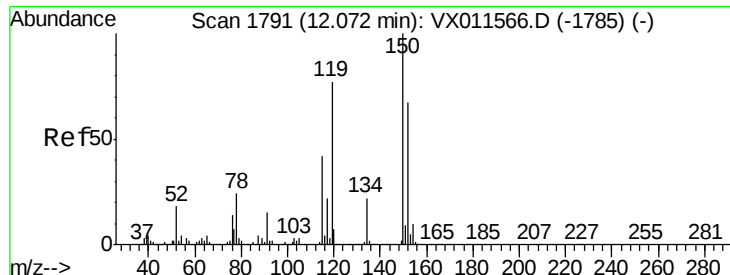
Tgt Ion:106 Resp: 13669
Ion Ratio Lower Upper
106 100
91 218.2 105.5 316.4



#71
Bromoform
Concen: 3.310 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. 0.01 min
Lab File: VX011627.D
Acq: 19 Aug 2019 13:21

Tgt Ion:173 Resp: 83
Ion Ratio Lower Upper
173 100
175 0.0 24.9 74.7#
254 55.4 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX011627.D

Acq: 19 Aug 2019 13:21

Instrument :

MSVOA_X

ClientSampleId :

PH2-0145

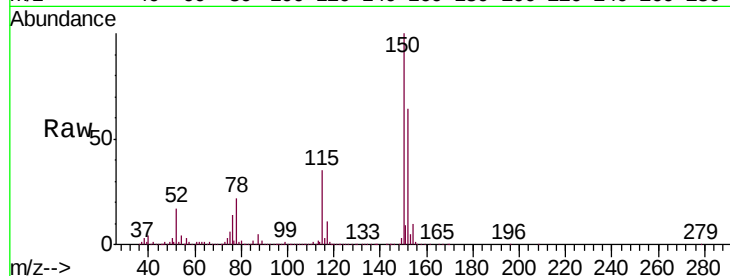
Tgt Ion:152 Resp: 280194

Ion Ratio Lower Upper

152 100

115 52.5 37.3 111.9

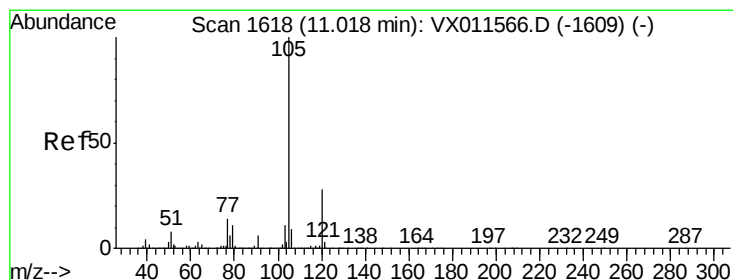
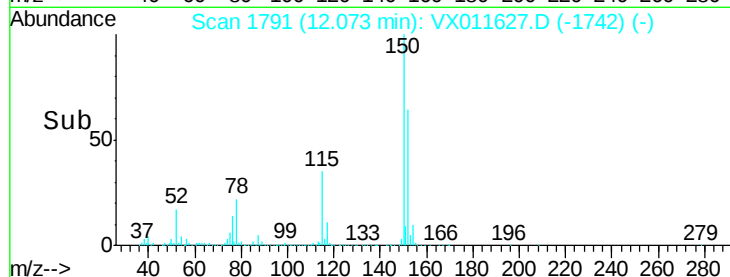
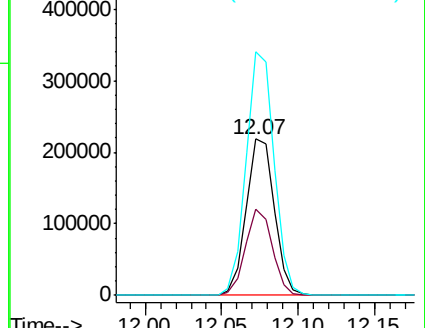
150 154.9 0.0 346.2



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



#73

Isopropylbenzene

Concen: 0.349 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX011627.D

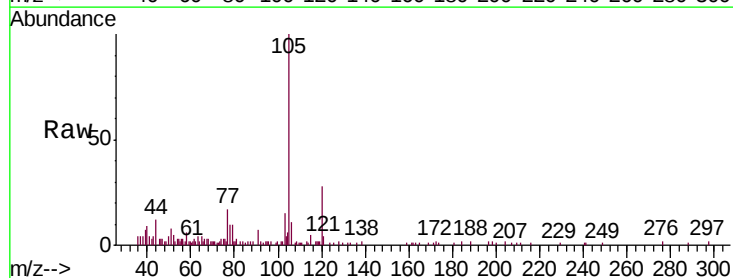
Acq: 19 Aug 2019 13:21

Tgt Ion:105 Resp: 6351

Ion Ratio Lower Upper

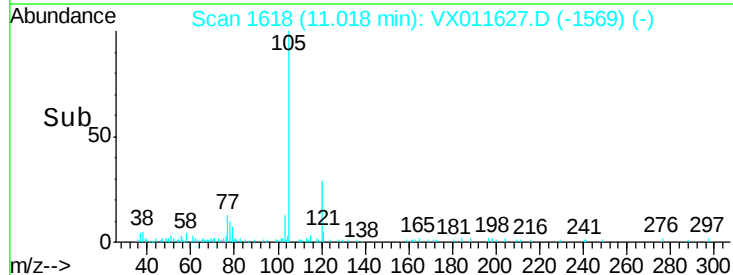
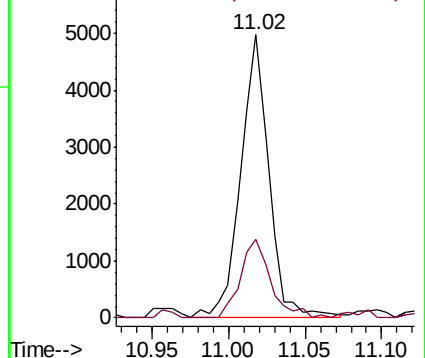
105 100

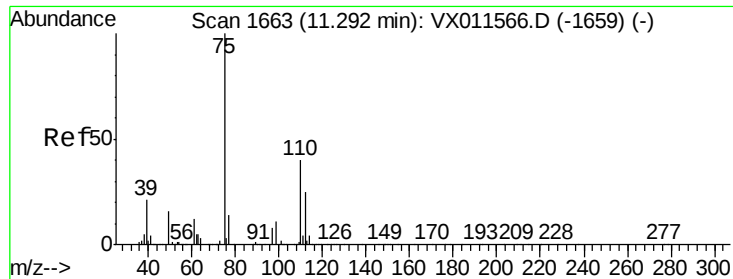
120 29.8 14.0 41.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#76

1,2,3-Trichloropropane

Concen: 21.621 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011627.D

Acq: 19 Aug 2019 13:21

Instrument :

MSVOA_X

ClientSampleId :

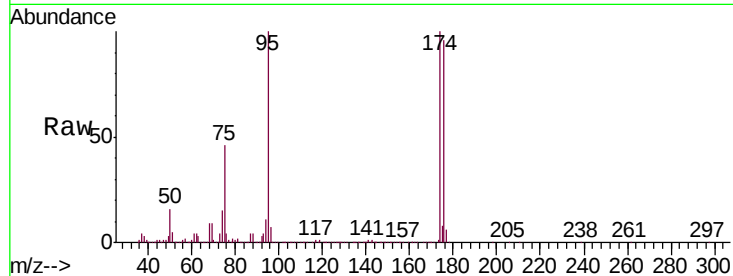
PH2-0145

Tgt Ion: 75 Resp: 114873

Ion Ratio Lower Upper

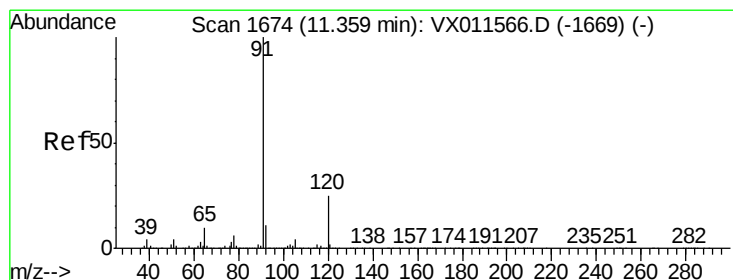
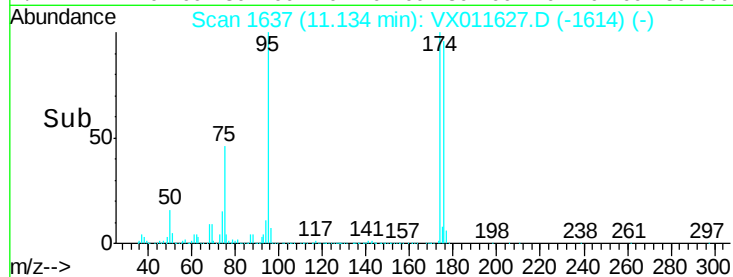
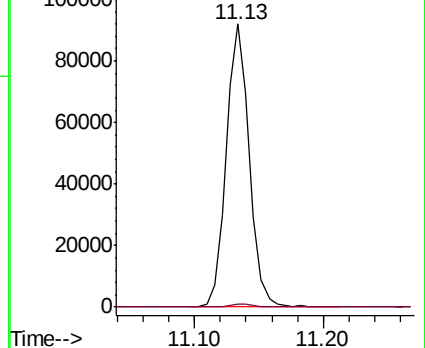
75 100

77 1.0 20.9 62.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#78

n-propylbenzene

Concen: 0.363 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX011627.D

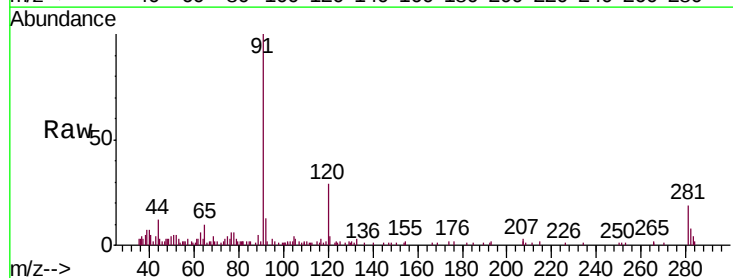
Acq: 19 Aug 2019 13:21

Tgt Ion: 91 Resp: 7126

Ion Ratio Lower Upper

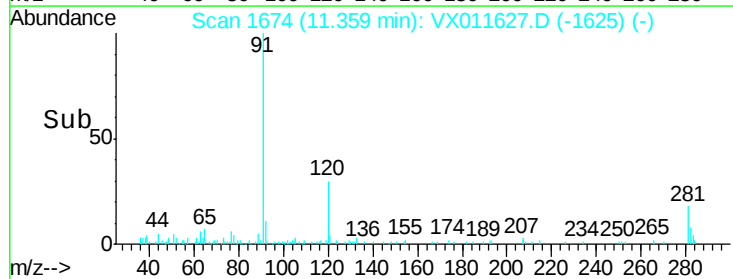
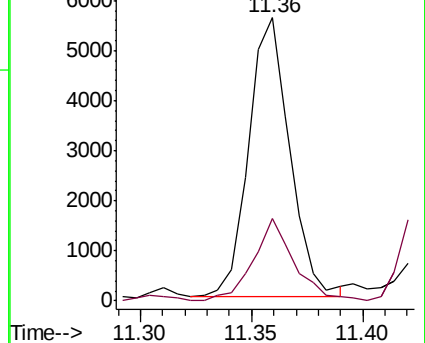
91 100

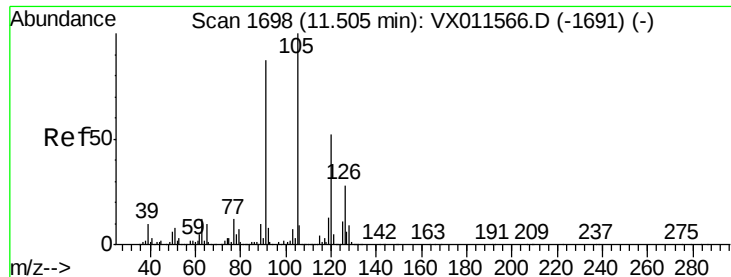
120 29.6 12.6 37.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

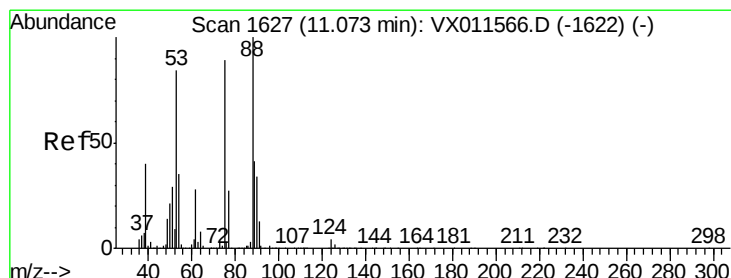
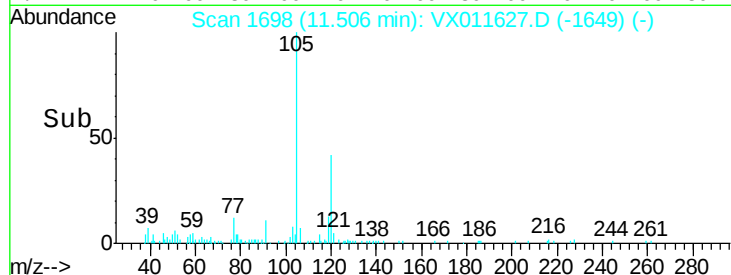
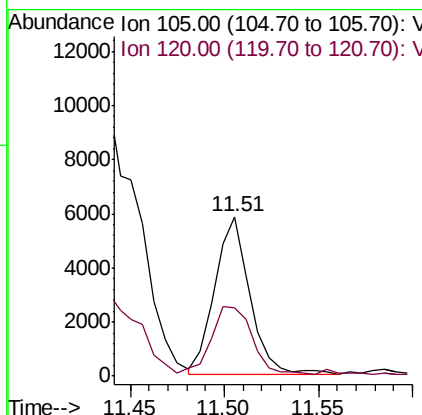
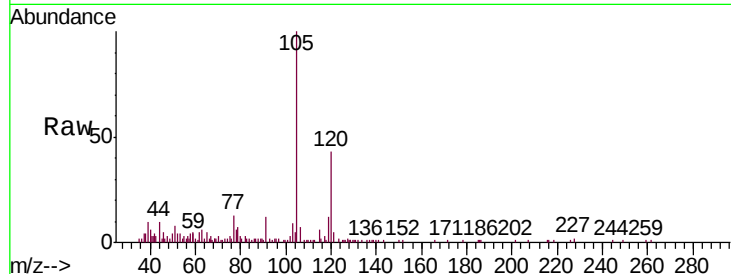




#80
 1,3,5-Trimethylbenzene
 Concen: 0.495 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX011627.D
 Acq: 19 Aug 2019 13:21

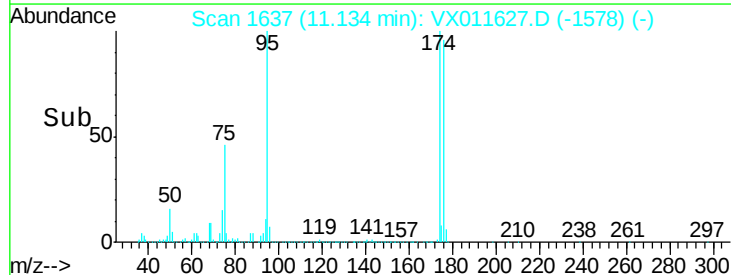
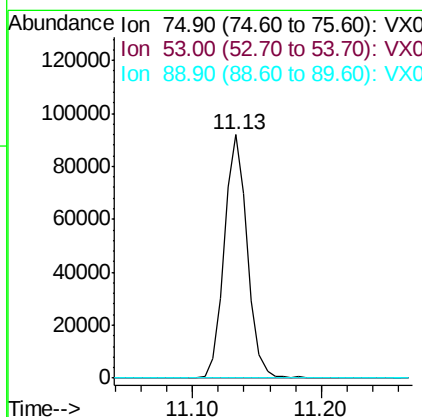
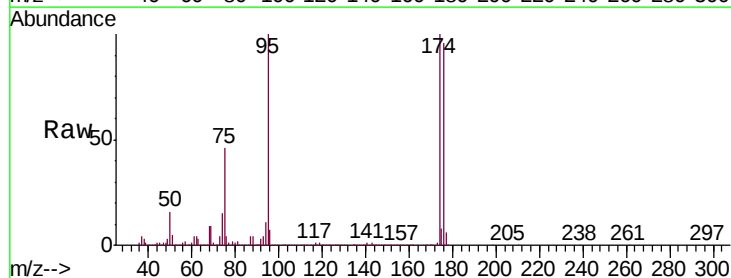
Instrument :
 MSVOA_X
 ClientSampleId :
 PH2-0145

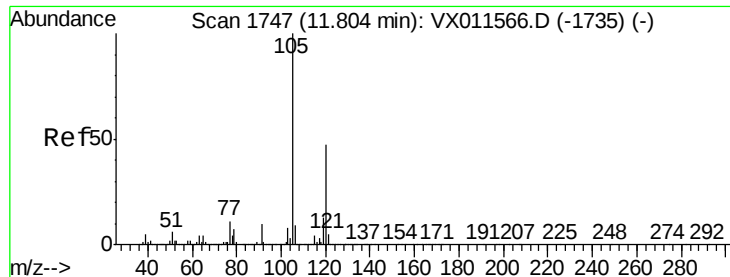
Tgt Ion: 105 Resp: 7562
 Ion Ratio Lower Upper
 105 100
 120 49.5 25.3 75.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 57.800 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX011627.D
 Acq: 19 Aug 2019 13:21

Tgt Ion: 75 Resp: 114873
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.4 116.0#
 89 0.0 37.3 55.9#

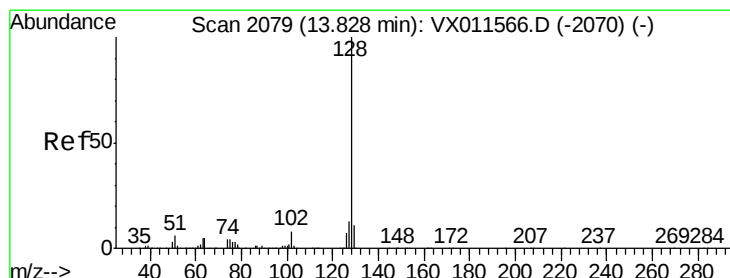
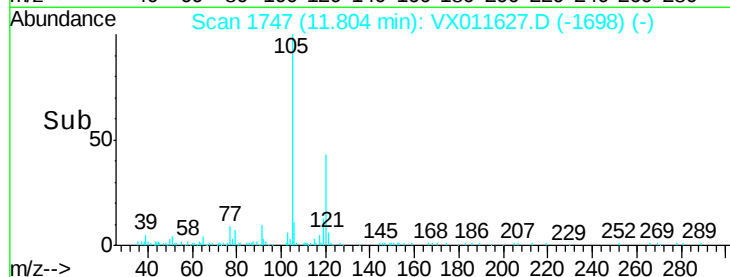
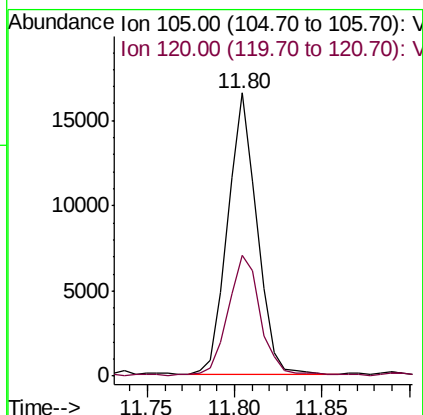
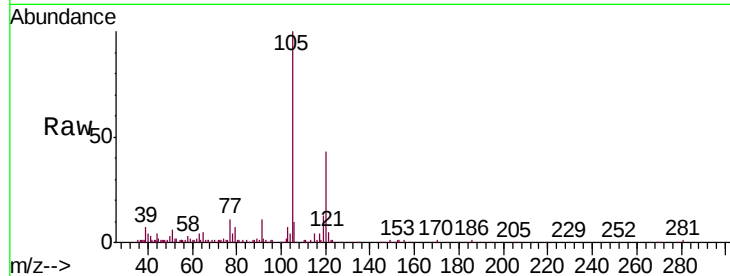




#84
 1,2,4-Trimethylbenzene
 Concen: 1.255 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX011627.D
 Acq: 19 Aug 2019 13:21

Instrument :
 MSVOA_X
 ClientSampleId :
 PH2-0145

Tgt Ion:105 Resp: 19242
 Ion Ratio Lower Upper
 105 100
 120 47.8 23.3 69.9



#95
 Naphthalene
 Concen: 0.521 ug/l
 RT: 13.83 min Scan# 2080
 Delta R.T. 0.01 min
 Lab File: VX011627.D
 Acq: 19 Aug 2019 13:21

Tgt Ion:128 Resp: 10234
 Ion Ratio Lower Upper
 128 100
 127 15.8 10.3 15.5#
 129 15.4 8.7 13.1#

