

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX101618\
 Data File : VX005360.D
 Acq On : 16 Oct 2018 10:33
 Operator : JC/MD
 Sample : J5521-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TWP-03

Quant Time: Oct 17 04:55:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	308310	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	417605	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	375315	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	196581	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	158886	46.43	ug/l	0.00
Spiked Amount			Recovery	=	92.86%	
35) Dibromofluoromethane	5.49	113	135708	49.06	ug/l	0.00
Spiked Amount			Recovery	=	98.12%	
50) Toluene-d8	8.71	98	510163	53.73	ug/l	0.00
Spiked Amount			Recovery	=	107.46%	
62) 4-Bromofluorobenzene	11.14	95	178055	49.92	ug/l	0.00
Spiked Amount			Recovery	=	99.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	652	0.907	ug/l	94
6) Chloroethane	1.72	64	174	0.410	ug/l #	44
10) Methyl Iodide	2.52	142	755	2.729	ug/l #	87
11) Tert butyl alcohol	3.07	59	533	0.552	ug/l #	72
13) Acrolein	2.26	56	1561	0.375	ug/l #	1
14) Allyl chloride	2.78	41	3289	0.555	ug/l #	27
15) Acrylonitrile	3.17	53	5730	2.620	ug/l #	45
16) Acetone	2.45	43	10032	5.071	ug/l	97
17) Carbon Disulfide	2.57	76	2080	0.254	ug/l #	95
18) Methyl Acetate	2.84	43	176163	31.298	ug/l #	51
20) Methylene Chloride	2.85	84	1214	Below Cal	#	1
23) Vinyl Acetate	3.81	43	2891	0.332	ug/l #	71
25) 2-Butanone	4.70	43	5888	2.034	ug/l #	77
29) Tetrahydrofuran	5.17	42	672	0.364	ug/l #	37
30) Chloroform	5.28	83	12543	2.368	ug/l #	21
31) Cyclohexane	5.59	56	110917	23.581	ug/l #	78
36) 1,1-Dichloropropene	5.67	75	19067	4.714	ug/l #	50
38) Carbon Tetrachloride	5.67	117	26749	6.582	ug/l #	15
39) Methylcyclohexane	7.46	83	181630	41.494	ug/l	94
40) Benzene	6.14	78	47658	3.928	ug/l	99
41) Methacrylonitrile	5.05	41	2869	1.029	ug/l #	23
43) Isopropyl Acetate	6.45	43	6756	0.975	ug/l #	61
44) Trichloroethene	7.21	130	242	Below Cal		38
45) 1,2-Dichloropropane	7.46	63	2559	0.860	ug/l #	1
46) Dibromomethane	7.63	93	1597	0.813	ug/l #	1
47) Bromodichloromethane	7.84	83	2583	0.711	ug/l #	96
48) Methyl methacrylate	7.73	41	17580	4.892	ug/l #	48
51) 4-Methyl-2-Pentanone	8.68	43	10478	2.184	ug/l #	55
52) Toluene	8.79	92	51877	7.816	ug/l	97
55) 1,1,2-Trichloroethane	9.16	97	29770	10.589	ug/l #	20
56) Ethyl methacrylate	9.16	69	8755	2.136	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.26	63	926	0.403	ug/l #	45
59) 2-Hexanone	9.51	43	1292	0.335	ug/l	89
67) Ethyl Benzene	10.25	91	355970	27.428	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX101618\
 Data File : VX005360.D
 Acq On : 16 Oct 2018 10:33
 Operator : JC/MD
 Sample : J5521-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TWP-03

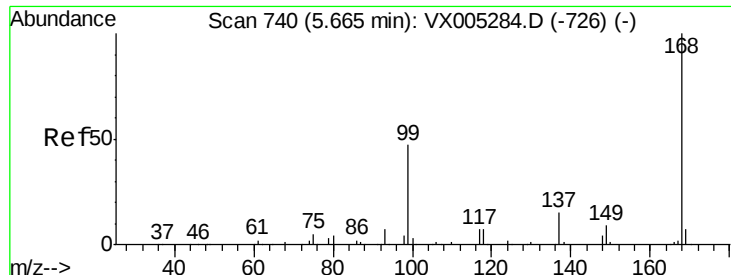
Quant Time: Oct 17 04:55:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

68) m/p-Xylenes	10.36	106	285023	56.582	ug/l	95
69) o-Xylene	10.70	106	59591	12.266	ug/l	98
70) Styrene	10.70	104	3933	0.492	ug/l #	1
73) Isopropylbenzene	11.02	105	128331	10.981	ug/l	99
76) 1,2,3-Trichloropropane	11.36	75	4653	1.220	ug/l #	1
78) n-propylbenzene	11.36	91	704372	52.379	ug/l	99
79) 2-Chlorotoluene	11.46	91	116396	14.133	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.51	105	733953	73.341	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.14	75	86311	68.777	ug/l #	9
82) 4-Chlorotoluene	11.51	91	76317	7.817	ug/l #	44
83) tert-Butylbenzene	11.81	119	299207	29.525	ug/l #	60
84) 1,2,4-Trimethylbenzene	11.81	105	2350273	228.214	ug/l	99
85) sec-Butylbenzene	11.81	105	2350273	195.974	ug/l #	55
86) p-Isopropyltoluene	12.07	119	17833	1.645	ug/l #	79
89) n-Butylbenzene	12.38	91	197671	20.085	ug/l #	29
90) Hexachloroethane	12.58	117	30783	16.478	ug/l #	3
92) 1,2-Dibromo-3-Chloropropan	13.02	75	2640	2.455	ug/l #	1
93) 1,2,4-Trichlorobenzene	13.65	180	1102	0.236	ug/l #	1
95) Naphthalene	13.83	128	196173	14.470	ug/l	98

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

```
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX101618\
Data File : VX005360.D
Acq On    : 16 Oct 2018   10:33
Operator  : JC/MD
Sample    : J5521-08
Misc      : 5.0mL/MSVOA_X/WATER
ALS Vial  : 7      Sample Multiplier: 1
```



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 741

Delta R.T. 0.01 min

Lab File: VX005360.D

Acq: 16 Oct 2018 10:33

Instrument :

MSVOA_X

ClientSampleId :

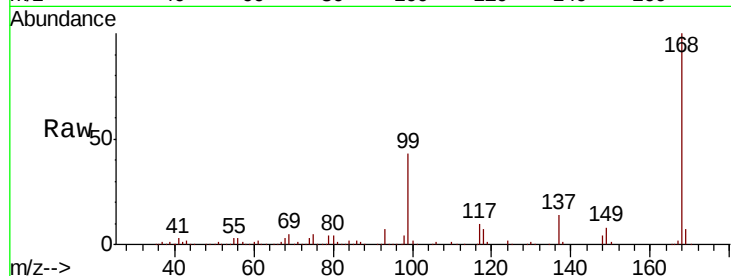
TWP-03

Tgt Ion: 168 Resp: 308310

Ion Ratio Lower Upper

168 100

99 42.6 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

60000

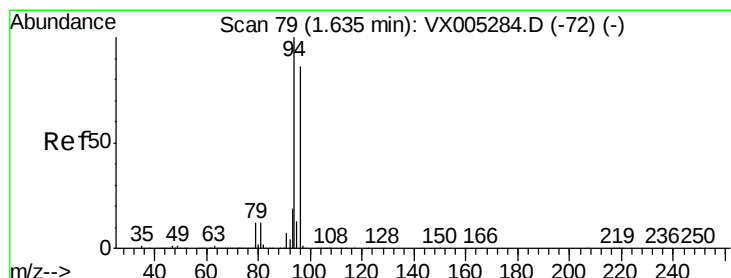
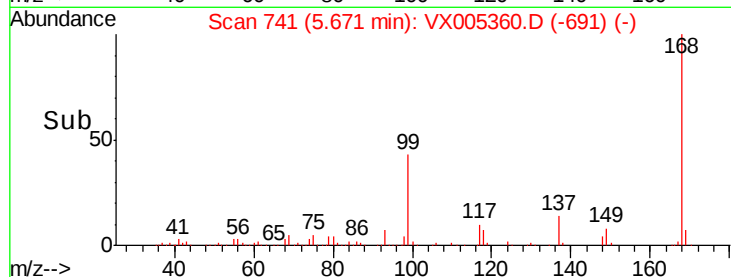
40000

20000

0

Time-->

5.60 5.80 6.00



#5

Bromomethane

Concen: 0.907 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005360.D

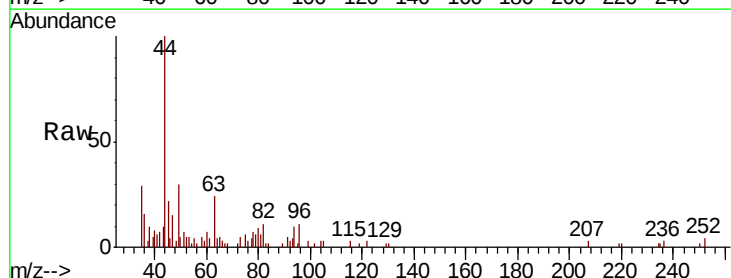
Acq: 16 Oct 2018 10:33

Tgt Ion: 94 Resp: 652

Ion Ratio Lower Upper

94 100

96 87.4 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

300

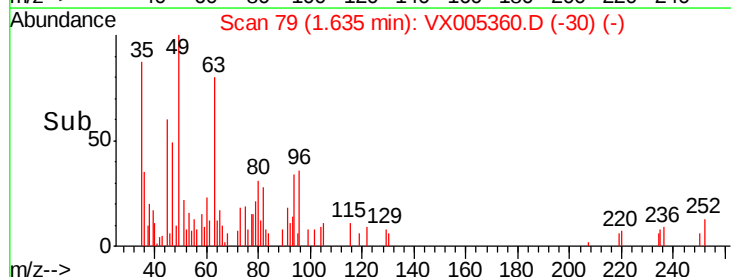
200

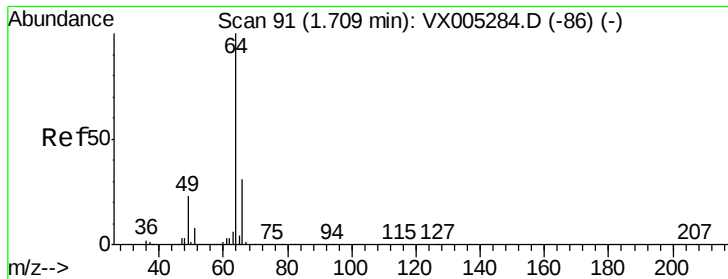
100

0

Time-->

1.60 1.65 1.70





#6

Chloroethane

Concen: 0.410 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX005360.D

Acq: 16 Oct 2018 10:33

Instrument :

MSVOA_X

ClientSampled :

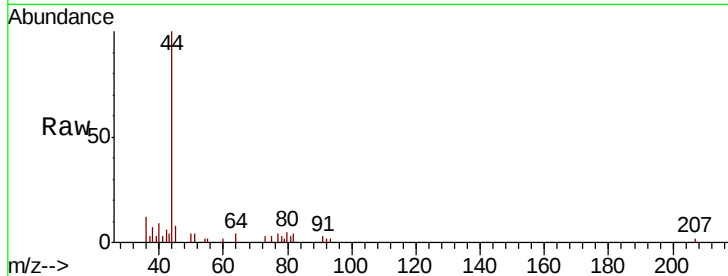
TWP-03

Tgt Ion: 64 Resp: 174

Ion Ratio Lower Upper

64 100

66 0.0 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

100

80

60

40

20

0

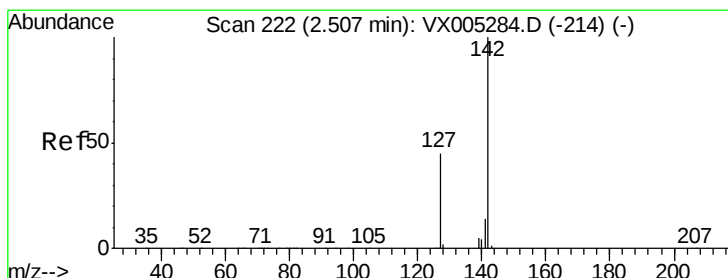
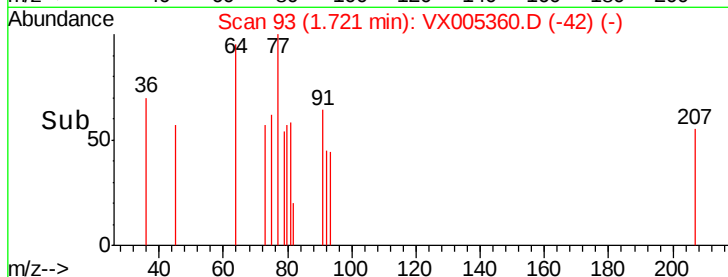
1.68

1.70

1.72

1.74

Time-->



#10

Methyl Iodide

Concen: 2.729 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX005360.D

Acq: 16 Oct 2018 10:33

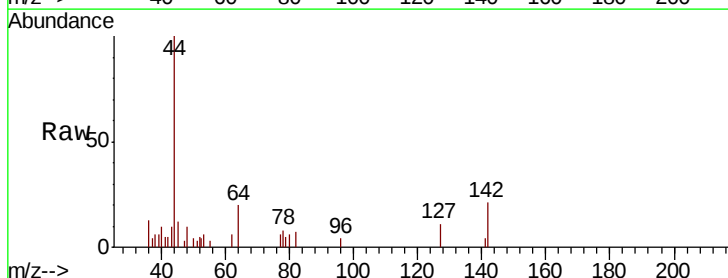
Tgt Ion: 142 Resp: 755

Ion Ratio Lower Upper

142 100

127 52.7 33.8 50.6#

141 12.5 11.4 17.0



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

400

300

200

100

0

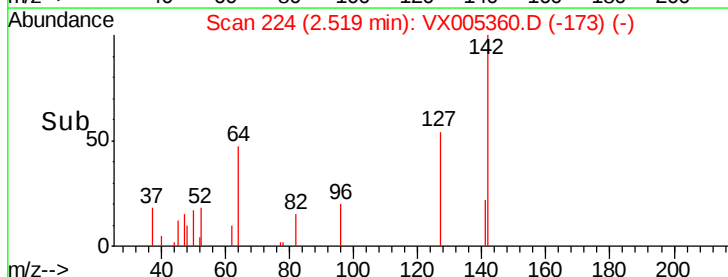
2.45

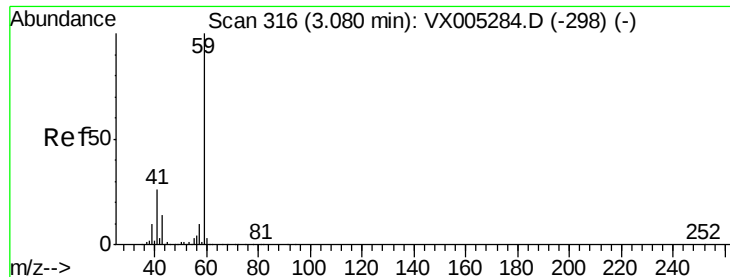
2.50

2.52

2.55

Time-->

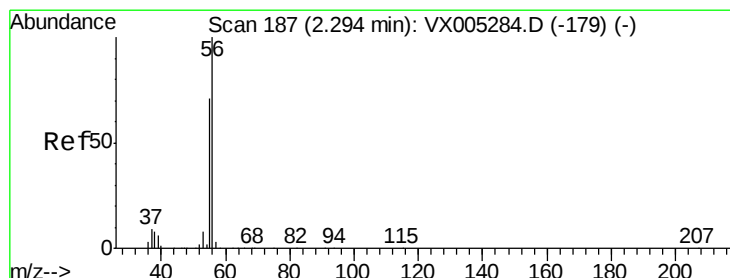
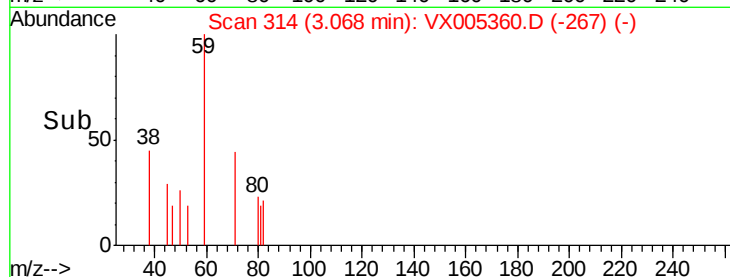
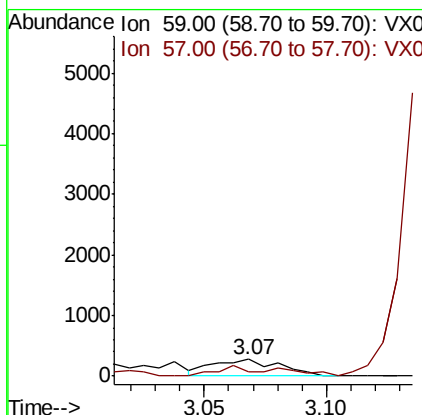
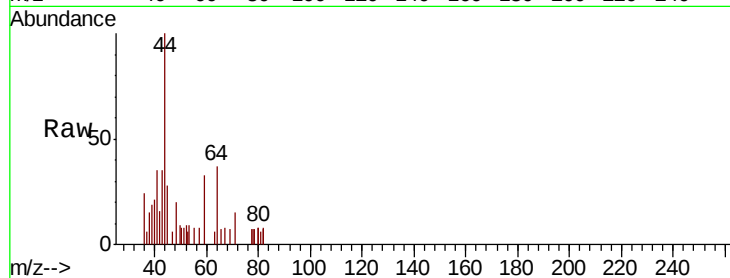




#11
Tert butyl alcohol
Concen: 0.552 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX005360.D
Acq: 16 Oct 2018 10:33

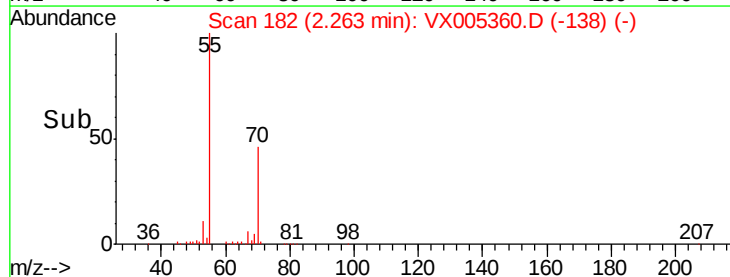
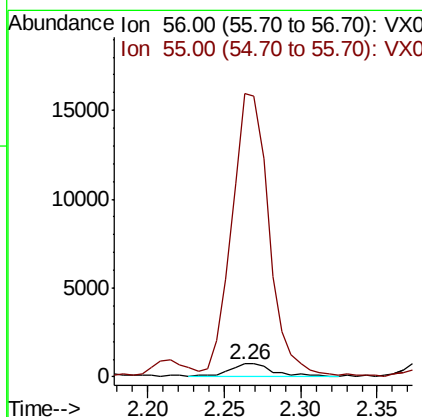
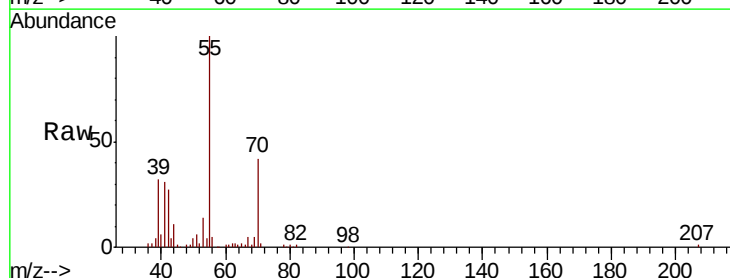
Instrument :
MSVOA_X
ClientSampleId :
TWP-03

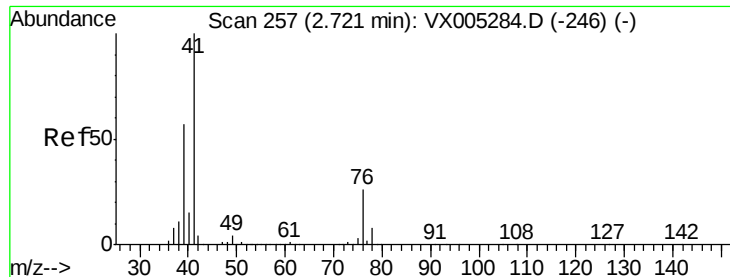
Tgt Ion: 59 Resp: 533
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: 0.375 ug/l
RT: 2.26 min Scan# 182
Delta R.T. -0.03 min
Lab File: VX005360.D
Acq: 16 Oct 2018 10:33

Tgt Ion: 56 Resp: 1561
Ion Ratio Lower Upper
56 100
55 1718.6 54.7 82.1#





#14

Allyl chloride

Concen: 0.555 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.06 min

Lab File: VX005360.D

Acq: 16 Oct 2018 10:33

Instrument :

MSVOA_X

ClientSampleId :

TWP-03

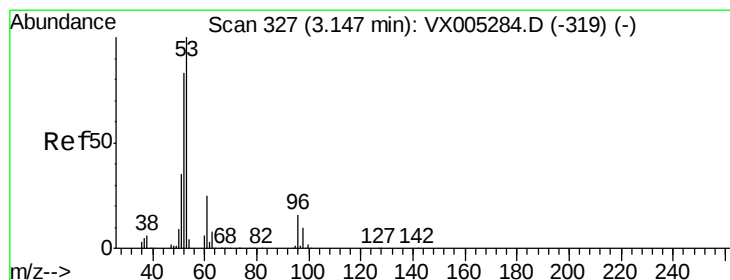
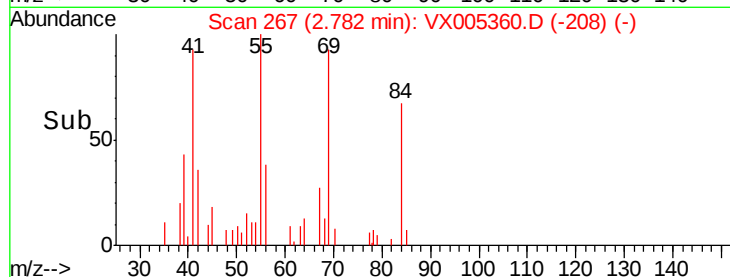
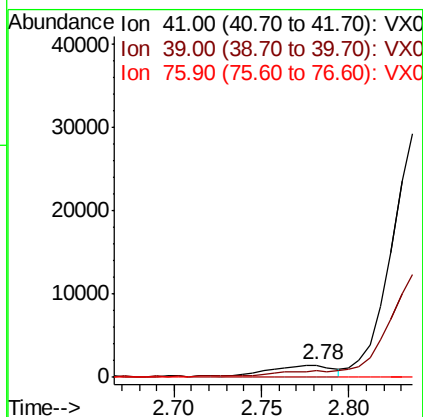
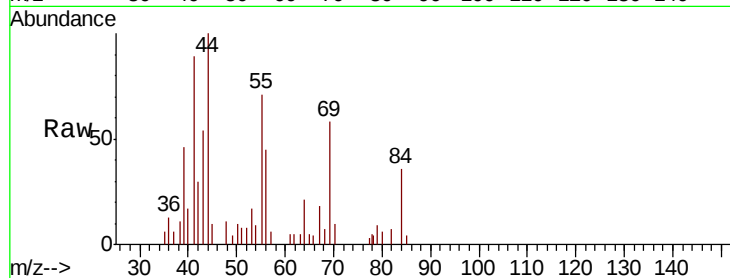
Tgt Ion: 41 Resp: 3289

Ion Ratio Lower Upper

41 100

39 0.0 48.9 73.3#

76 0.0 26.7 40.1#



#15

Acrylonitrile

Concen: 2.620 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.02 min

Lab File: VX005360.D

Acq: 16 Oct 2018 10:33

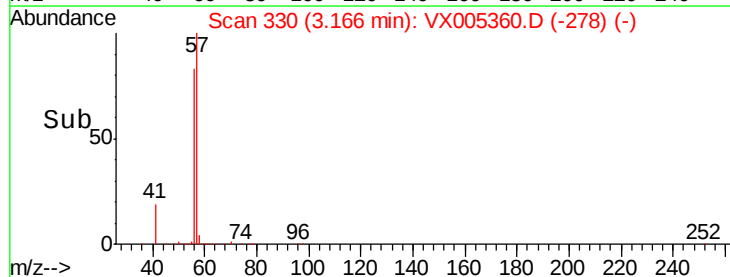
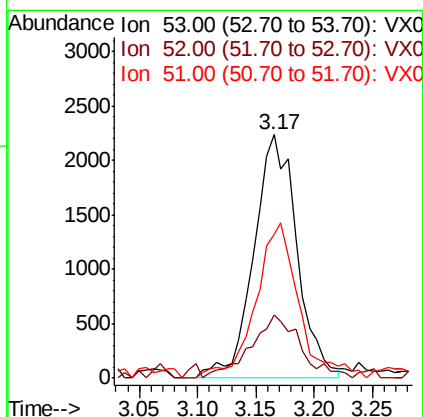
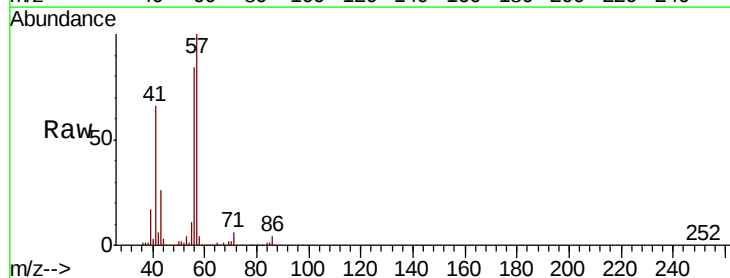
Tgt Ion: 53 Resp: 5730

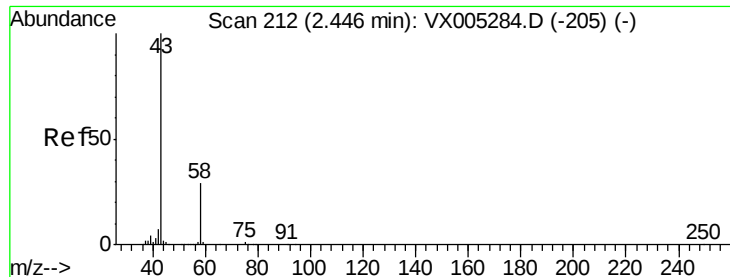
Ion Ratio Lower Upper

53 100

52 29.8 65.2 97.8#

51 63.8 28.2 42.2#





#16

Acetone

Concen: 5.071 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005360.D

Acq: 16 Oct 2018 10:33

Instrument :

MSVOA_X

ClientSampleId :

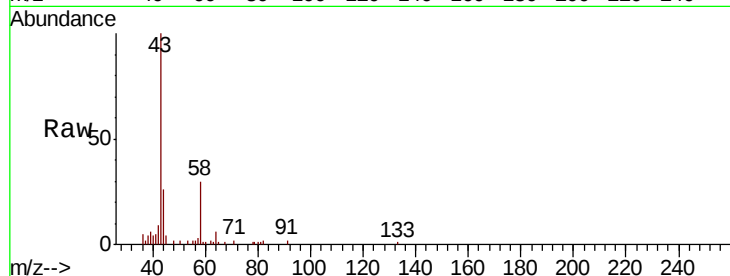
TWP-03

Tgt Ion: 43 Resp: 10032

Ion Ratio Lower Upper

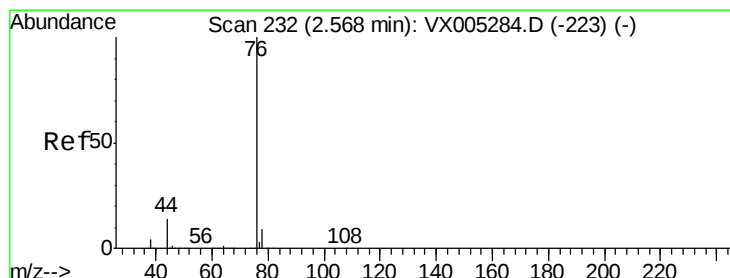
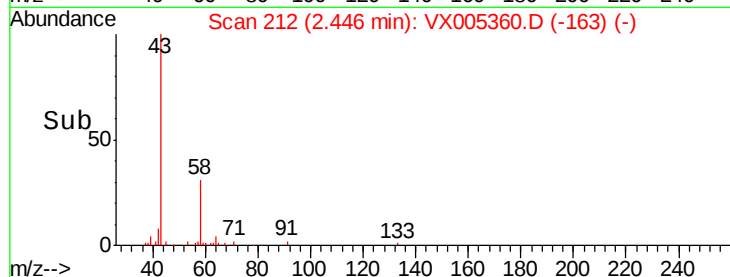
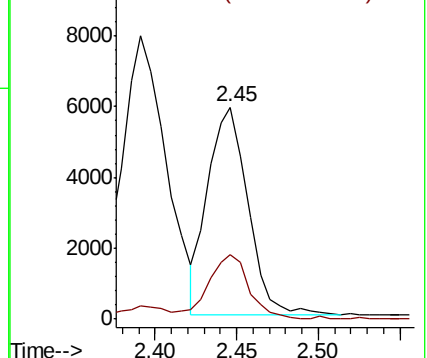
43 100

58 31.1 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.254 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX005360.D

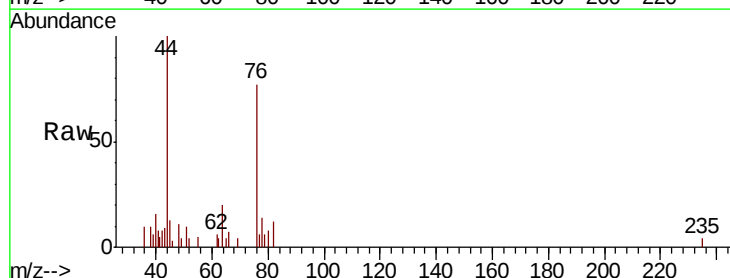
Acq: 16 Oct 2018 10:33

Tgt Ion: 76 Resp: 2080

Ion Ratio Lower Upper

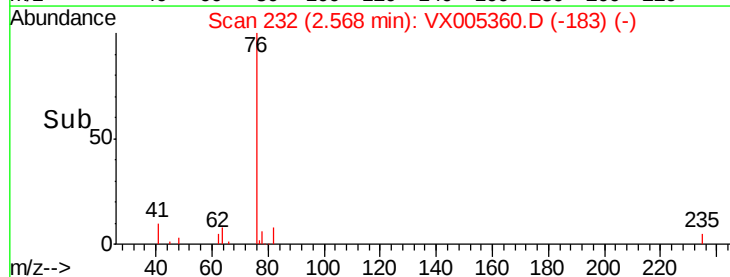
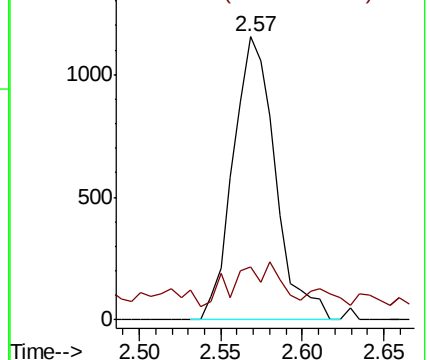
76 100

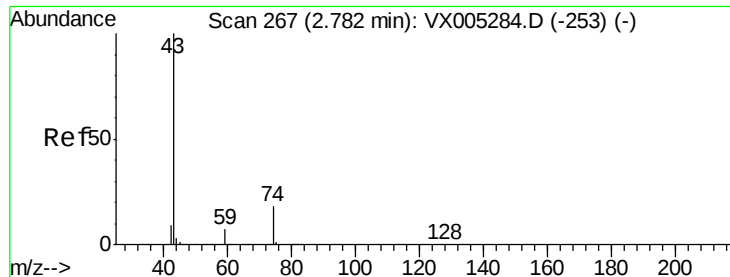
78 10.7 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

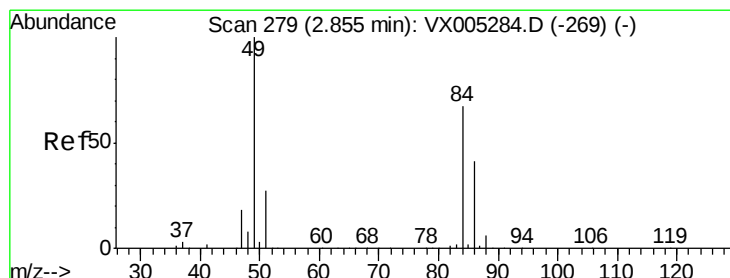
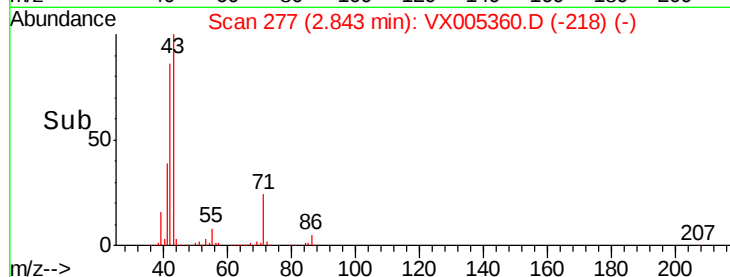
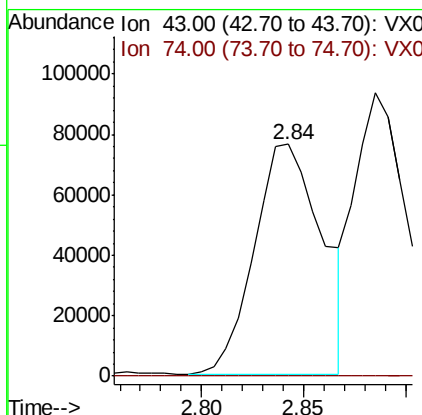
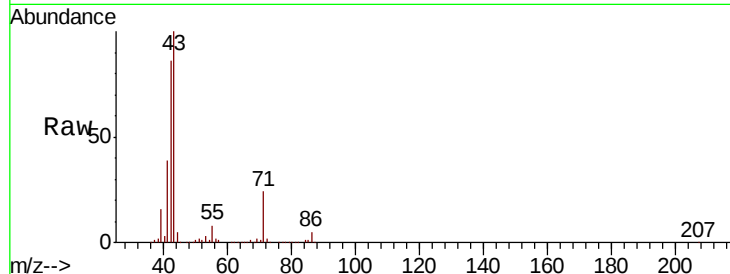




#18
Methyl Acetate
Concen: 31.298 ug/l
RT: 2.84 min Scan# 277
Delta R.T. 0.06 min
Lab File: VX005360.D
Acq: 16 Oct 2018 10:33

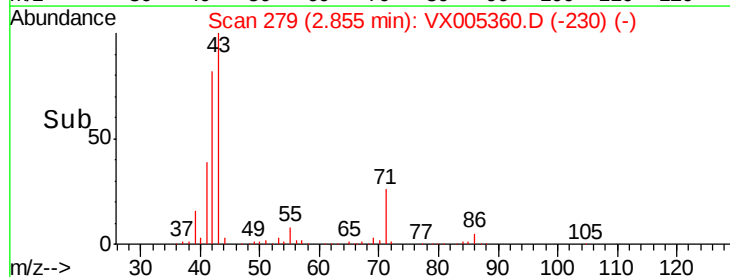
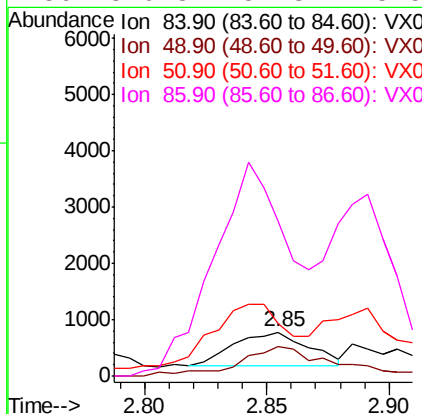
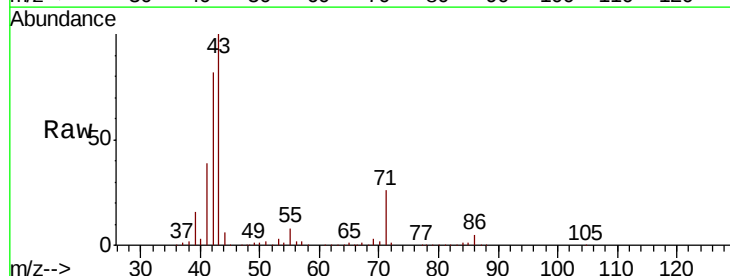
Instrument :
MSVOA_X
ClientSampled :
TWP-03

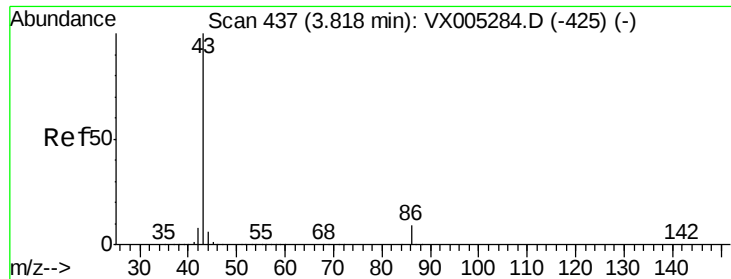
Tgt Ion: 43 Resp: 176163
Ion Ratio Lower Upper
43 100
74 0.0 19.4 29.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX005360.D
Acq: 16 Oct 2018 10:33

Tgt Ion: 84 Resp: 1214
Ion Ratio Lower Upper
84 100
49 77.1 101.2 151.8#
51 101.2 29.5 44.3#
86 340.8 52.3 78.5#

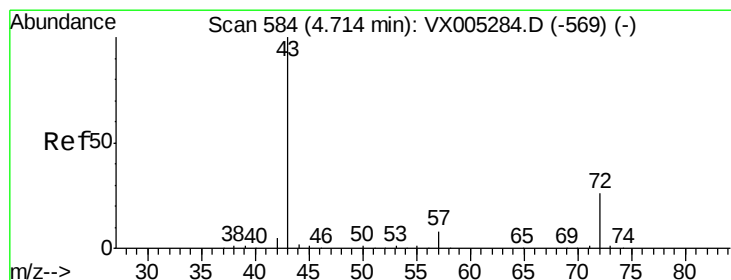
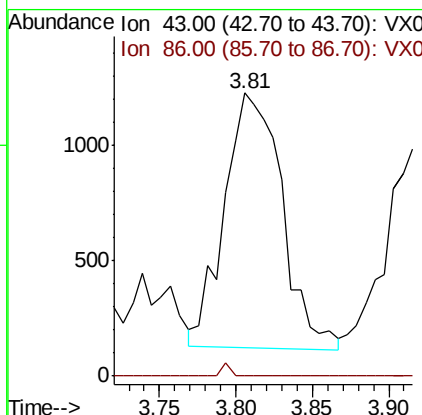
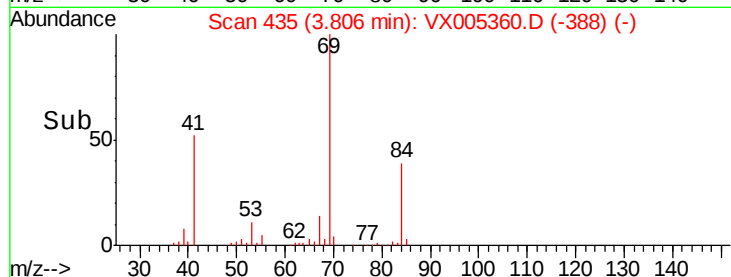
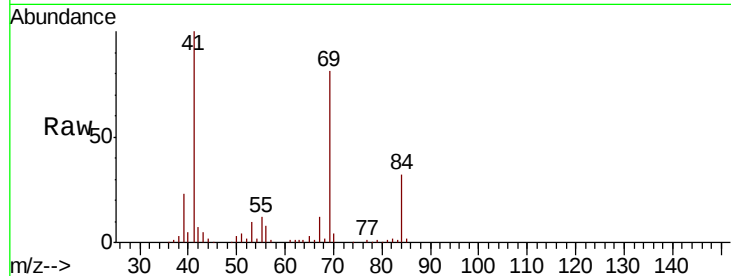




#23
Vinyl Acetate
Concen: 0.332 ug/l
RT: 3.81 min Scan# 435
Delta R.T. -0.01 min
Lab File: VX005360.D
Acq: 16 Oct 2018 10:33

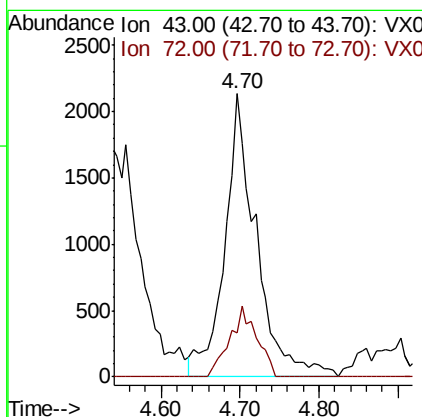
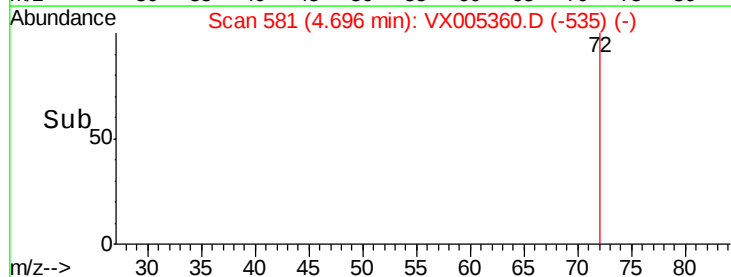
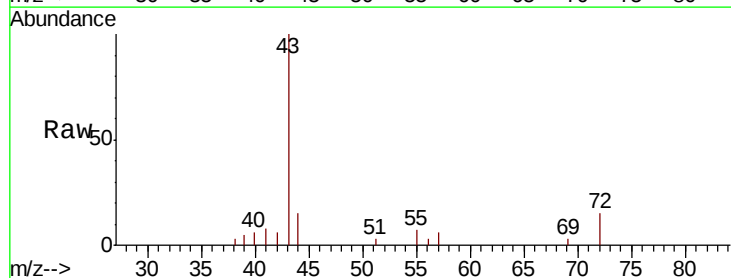
Instrument :
MSVOA_X
ClientSampled :
TWP-03

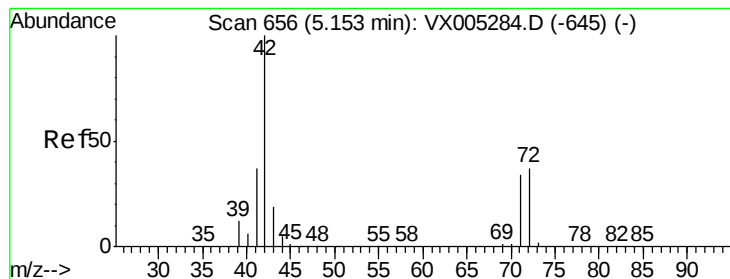
Tgt Ion: 43 Resp: 2891
Ion Ratio Lower Upper
43 100
86 0.0 8.9 13.3#



#25
2-Butanone
Concen: 2.034 ug/l
RT: 4.70 min Scan# 581
Delta R.T. -0.02 min
Lab File: VX005360.D
Acq: 16 Oct 2018 10:33

Tgt Ion: 43 Resp: 5888
Ion Ratio Lower Upper
43 100
72 15.5 22.0 33.0#





#29

Tetrahydrofuran

Concen: 0.364 ug/l

RT: 5.17 min Scan# 658

Delta R.T. 0.01 min

Lab File: VX005360.D

Acq: 16 Oct 2018 10:33

Instrument :

MSVOA_X

ClientSampleId :

TWP-03

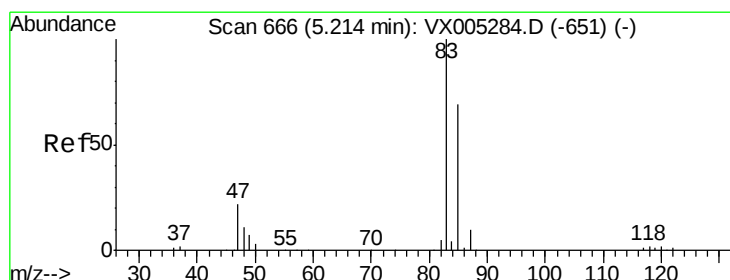
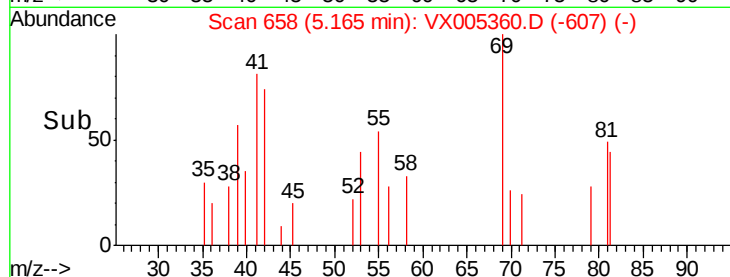
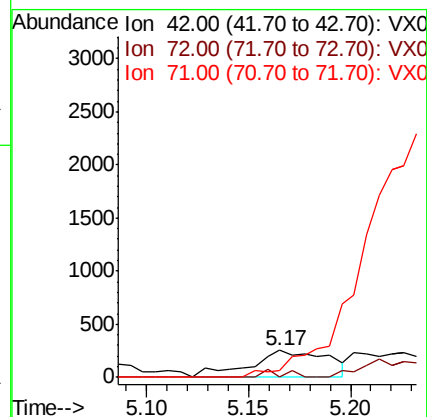
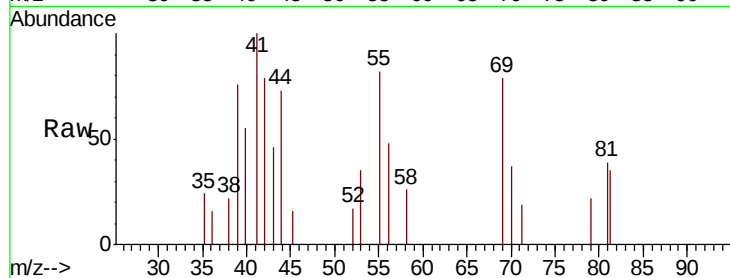
Tgt Ion: 42 Resp: 672

Ion Ratio Lower Upper

42 100

72 7.4 37.4 56.0#

71 0.0 34.5 51.7#



#30

Chloroform

Concen: 2.368 ug/l

RT: 5.28 min Scan# 677

Delta R.T. 0.07 min

Lab File: VX005360.D

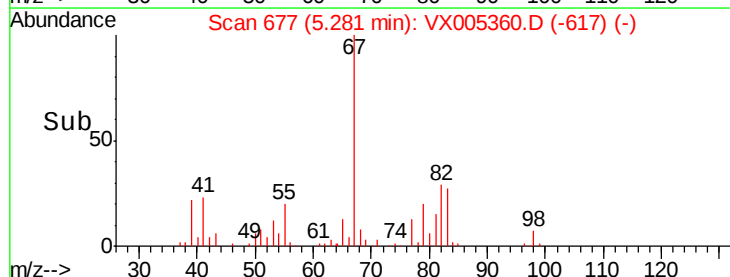
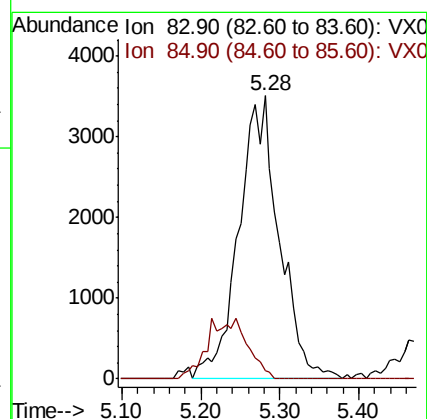
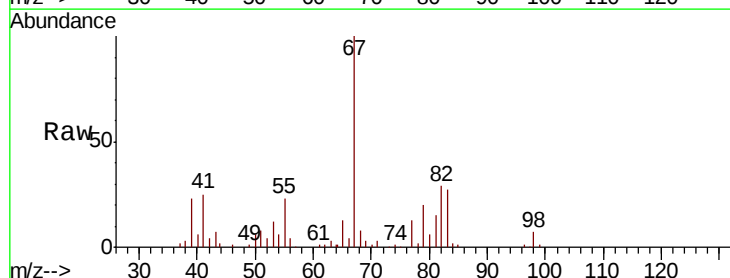
Acq: 16 Oct 2018 10:33

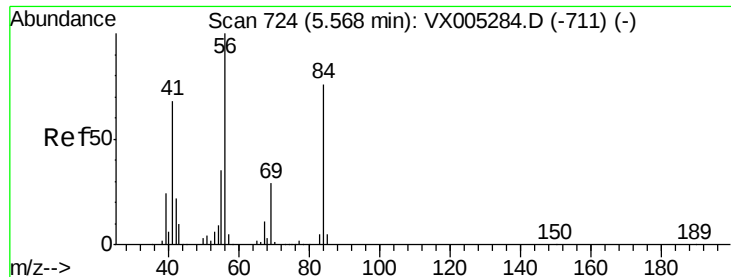
Tgt Ion: 83 Resp: 12543

Ion Ratio Lower Upper

83 100

85 3.1 52.6 79.0#

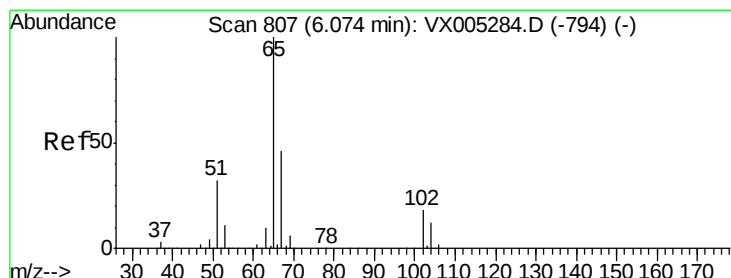
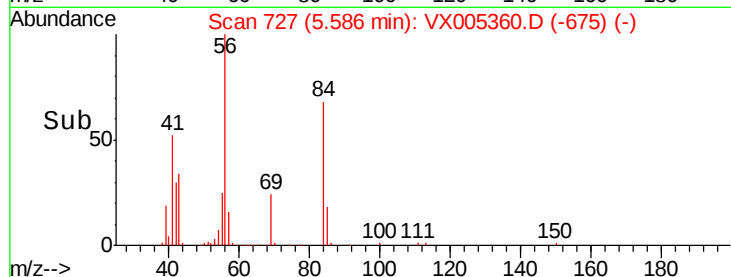
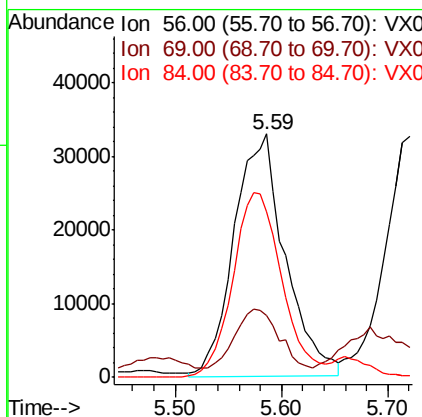
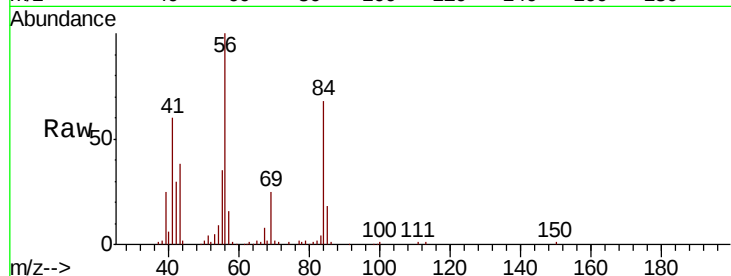




#31
Cyclohexane
Concen: 23.581 ug/l
RT: 5.59 min Scan# 727
Delta R.T. 0.02 min
Lab File: VX005360.D
Acq: 16 Oct 2018 10:33

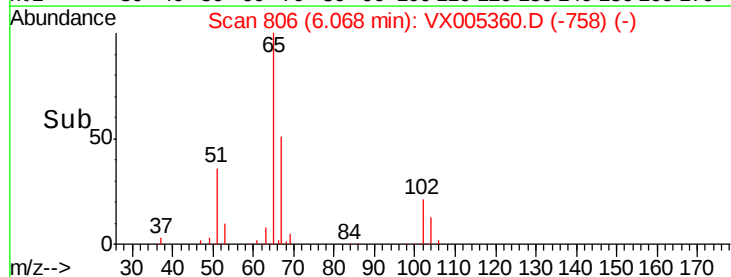
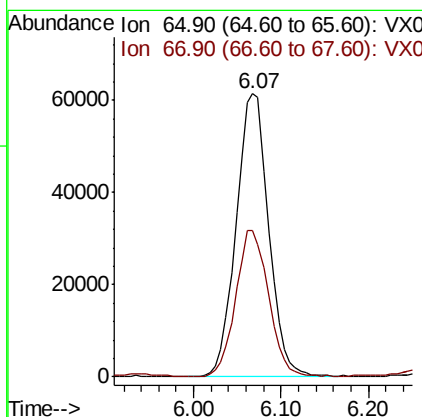
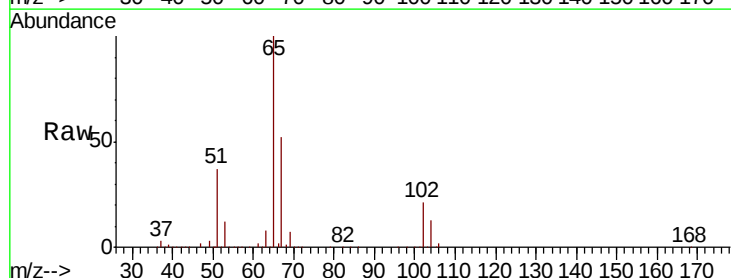
Instrument :
MSVOA_X
ClientSampled :
TWP-03

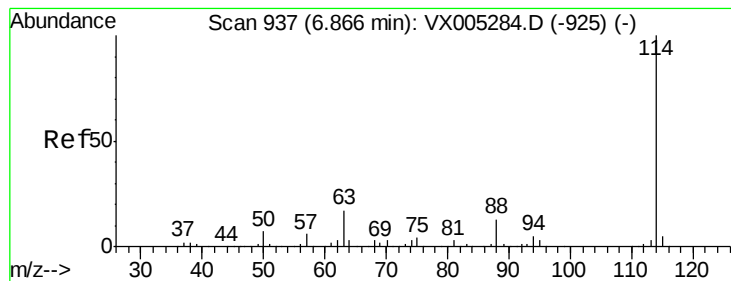
Tgt Ion: 56 Resp: 110917
Ion Ratio Lower Upper
56 100
69 20.0 25.4 38.2#
84 68.3 71.4 107.2#



#33
1,2-Dichloroethane-d4
Concen: 46.434 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.01 min
Lab File: VX005360.D
Acq: 16 Oct 2018 10:33

Tgt Ion: 65 Resp: 158886
Ion Ratio Lower Upper
65 100
67 52.3 0.0 106.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.01 min

Lab File: VX005360.D

Acq: 16 Oct 2018 10:33

Instrument :

MSVOA_X

ClientSampleId :

TWP-03

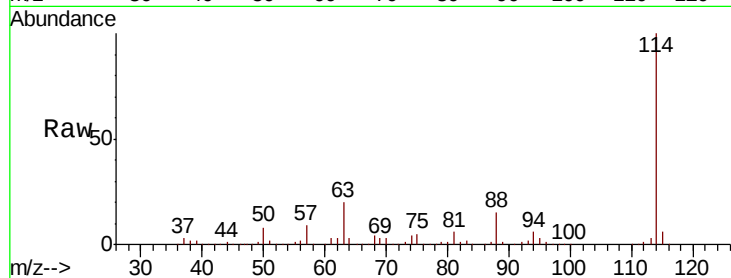
Tgt Ion:114 Resp: 417605

Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.0

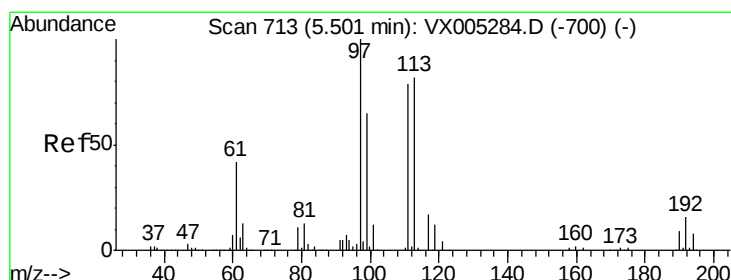
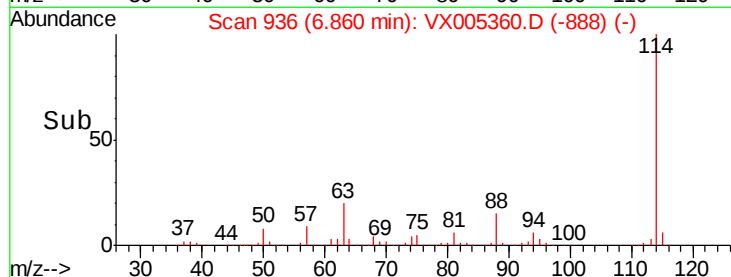
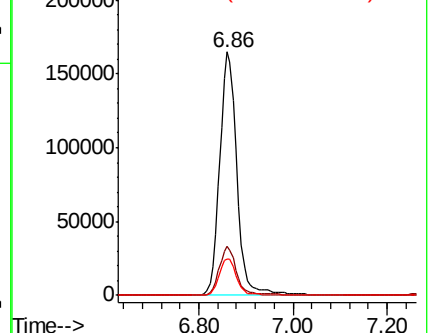
88 15.0 0.0 30.4



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



#35

Dibromofluoromethane

Concen: 49.065 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX005360.D

Acq: 16 Oct 2018 10:33

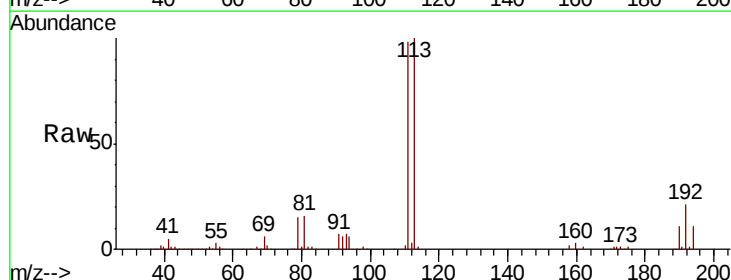
Tgt Ion:113 Resp: 135708

Ion Ratio Lower Upper

113 100

111 100.0 82.4 123.6

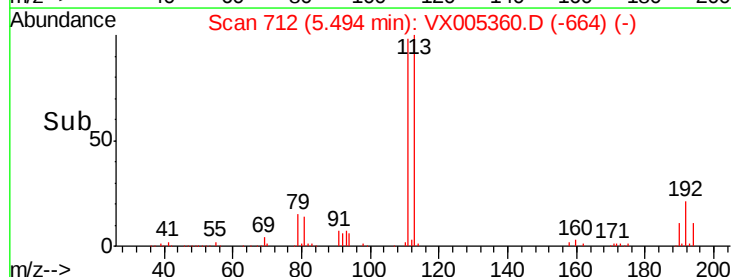
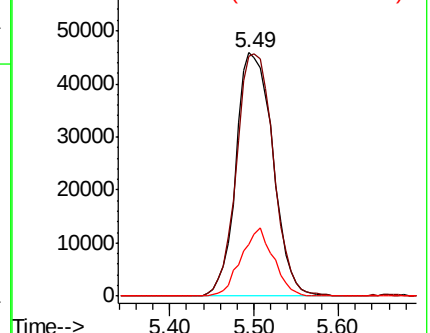
192 24.7 19.4 29.2

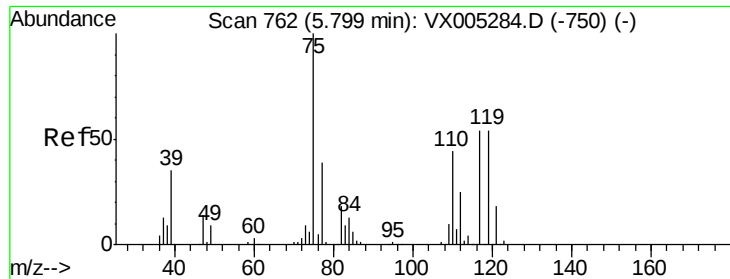


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

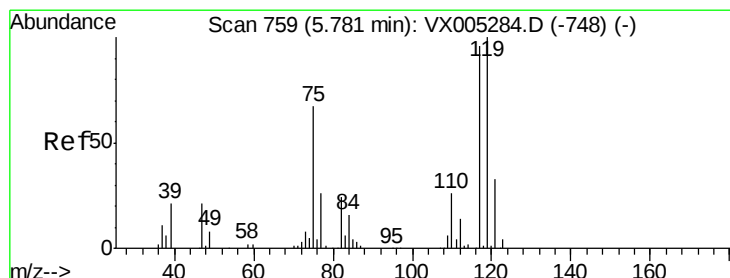
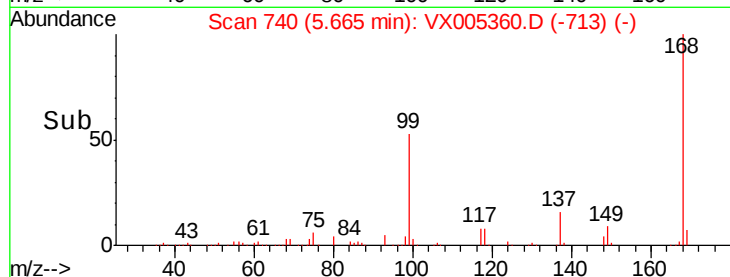
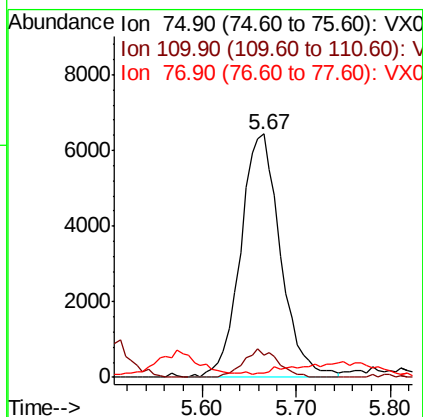
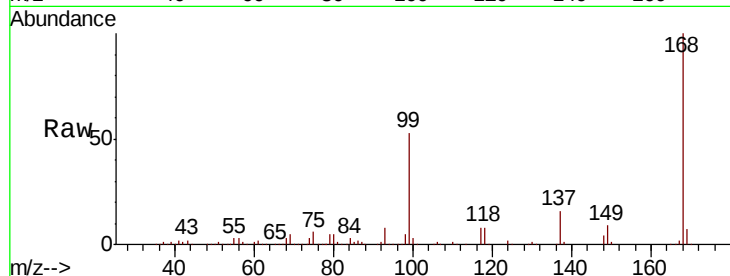




#36
 1,1-Dichloropropene
 Concen: 4.714 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX005360.D
 Acq: 16 Oct 2018 10:33

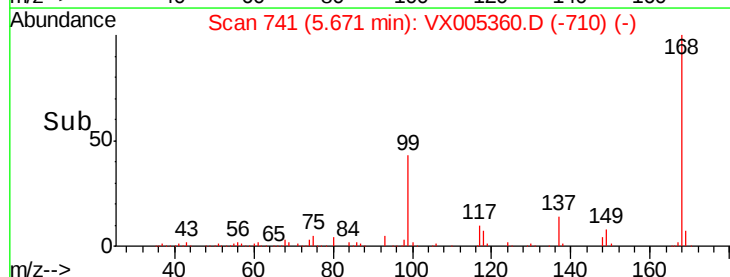
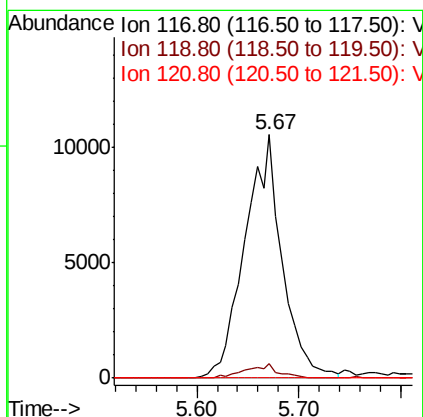
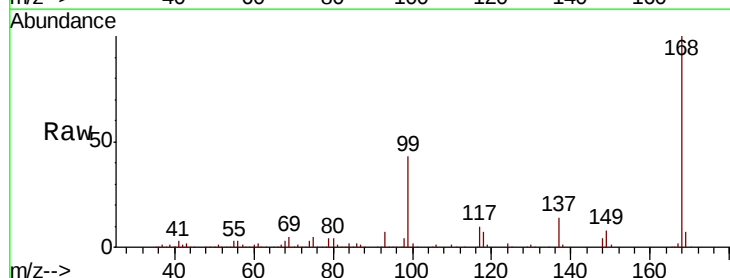
Instrument :
 MSVOA_X
 ClientSampleId :
 TWP-03

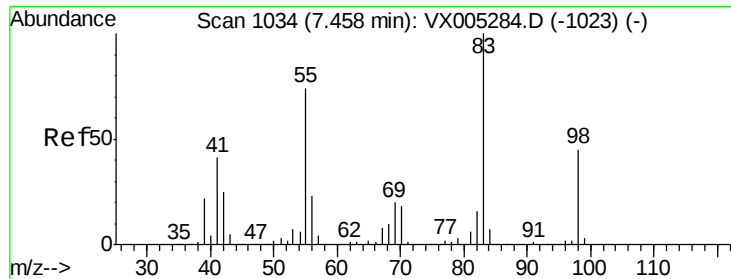
Tgt Ion: 75 Resp: 19067
 Ion Ratio Lower Upper
 75 100
 110 10.1 18.0 54.0#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 6.582 ug/l
 RT: 5.67 min Scan# 741
 Delta R.T. -0.11 min
 Lab File: VX005360.D
 Acq: 16 Oct 2018 10:33

Tgt Ion: 117 Resp: 26749
 Ion Ratio Lower Upper
 117 100
 119 5.9 78.8 118.2#
 121 0.0 24.9 37.3#

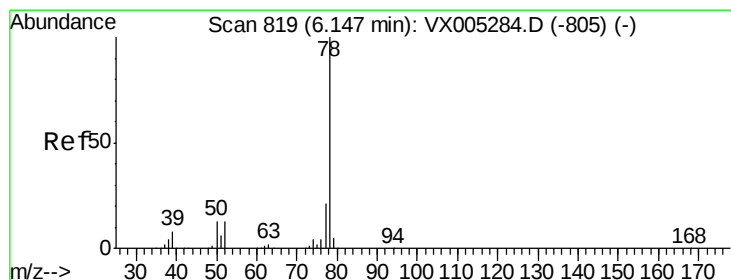
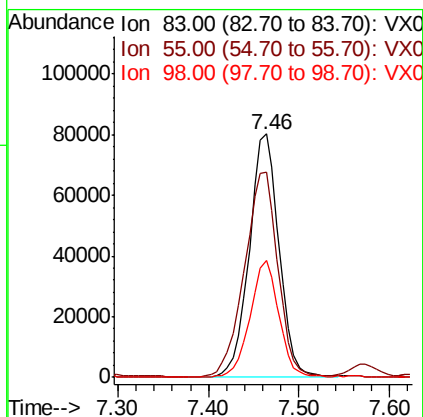
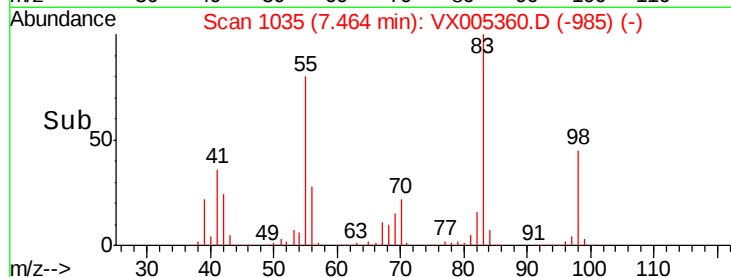
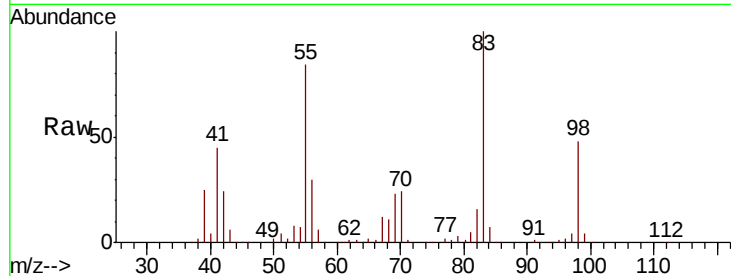




#39
Methylcyclohexane
Concen: 41.494 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX005360.D
Acq: 16 Oct 2018 10:33

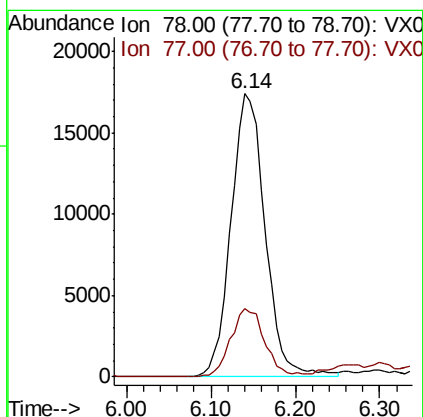
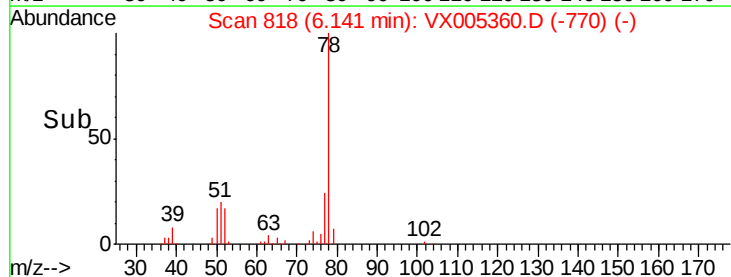
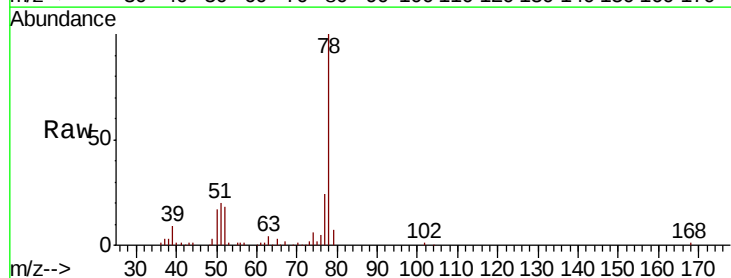
Instrument :
MSVOA_X
ClientSampled :
TWP-03

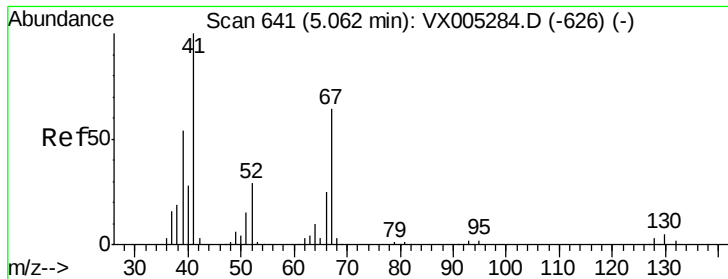
Tgt Ion: 83 Resp: 181630
Ion Ratio Lower Upper
83 100
55 84.0 61.0 91.4
98 48.2 39.6 59.4



#40
Benzene
Concen: 3.928 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX005360.D
Acq: 16 Oct 2018 10:33

Tgt Ion: 78 Resp: 47658
Ion Ratio Lower Upper
78 100
77 24.4 19.0 28.4





#41

Methacrylonitrile

Concen: 1.029 ug/l

RT: 5.05 min Scan# 639

Delta R.T. -0.01 min

Lab File: VX005360.D

Acq: 16 Oct 2018 10:33

Instrument :

MSVOA_X

ClientSampleId :

TWP-03

Tgt Ion: 41 Resp: 2869

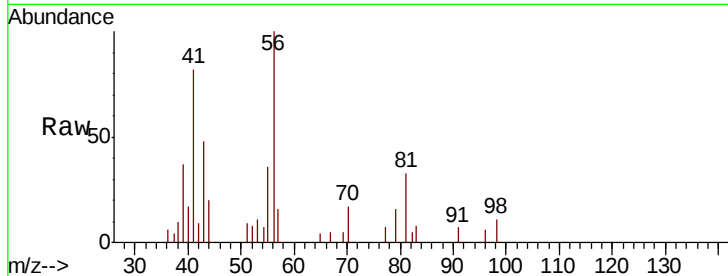
Ion Ratio Lower Upper

41 100

39 0.0 42.4 63.6#

67 0.0 59.2 88.8#

52 0.0 23.0 34.4#

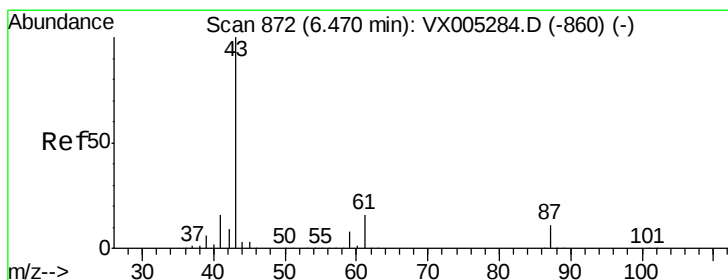
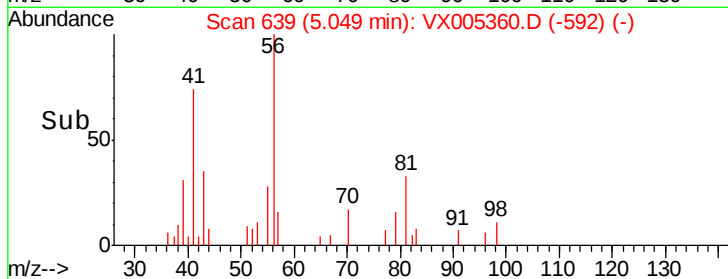
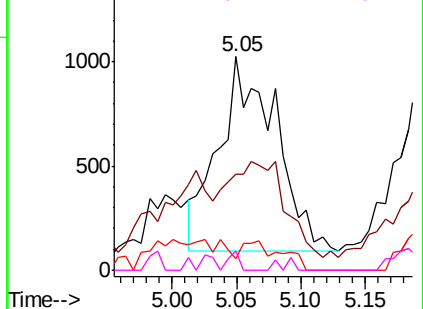


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#43

Isopropyl Acetate

Concen: 0.975 ug/l

RT: 6.45 min Scan# 869

Delta R.T. -0.02 min

Lab File: VX005360.D

Acq: 16 Oct 2018 10:33

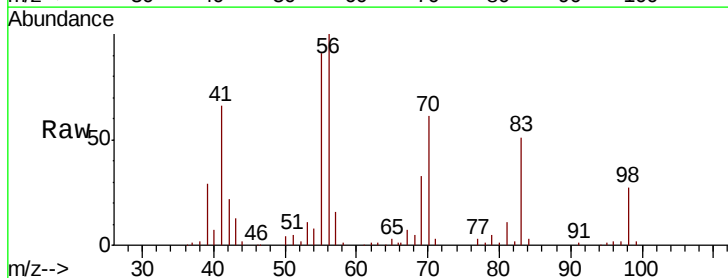
Tgt Ion: 43 Resp: 6756

Ion Ratio Lower Upper

43 100

61 2.0 17.0 25.4#

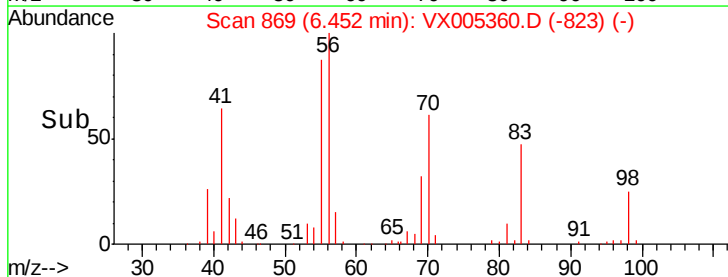
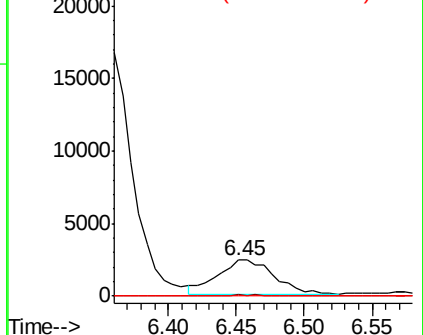
87 0.0 11.4 17.2#

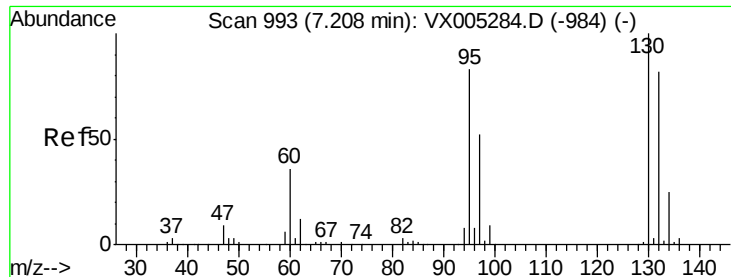


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#44

Trichloroethene

Concen: Below Cal

RT: 7.21 min Scan# 994

Delta R.T. 0.01 min

Lab File: VX005360.D

Acq: 16 Oct 2018 10:33

Instrument :

MSVOA_X

ClientSampleId :

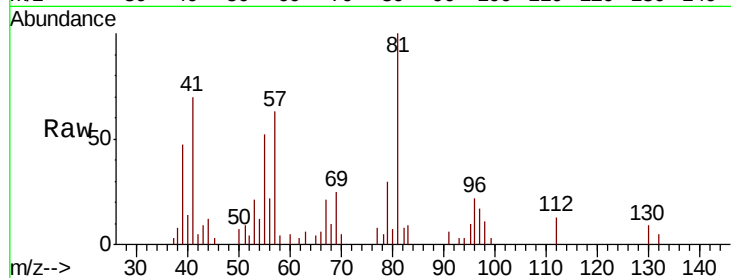
TWP-03

Tgt Ion:130 Resp: 242

Ion Ratio Lower Upper

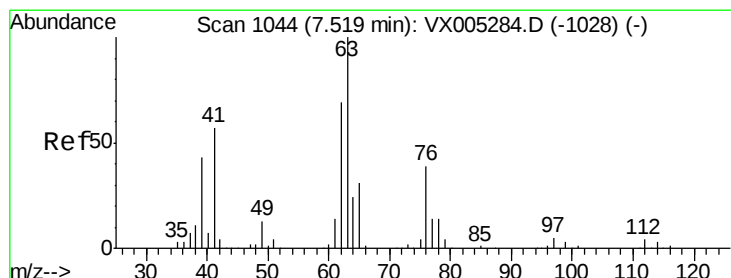
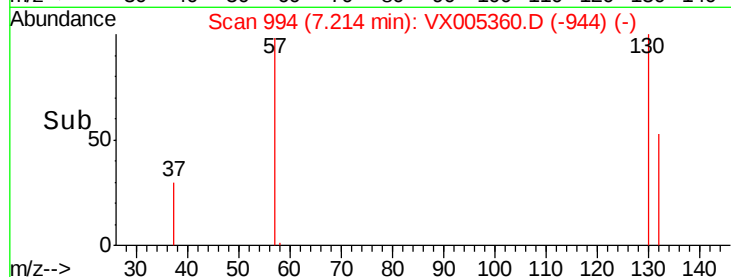
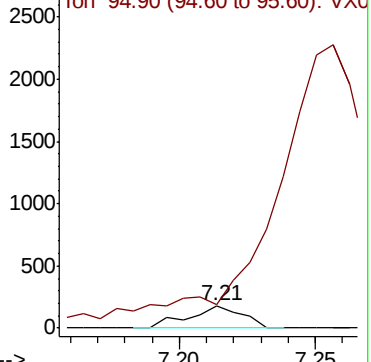
130 100

95 32.0 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#45

1,2-Dichloropropane

Concen: 0.860 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. -0.05 min

Lab File: VX005360.D

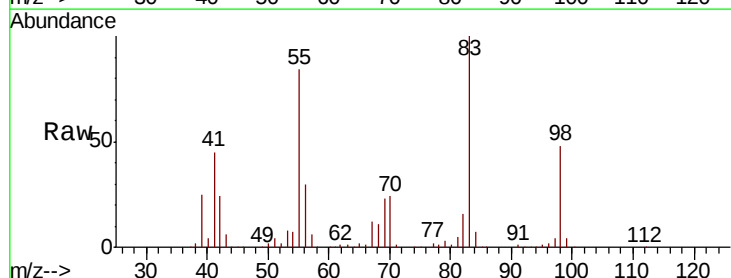
Acq: 16 Oct 2018 10:33

Tgt Ion: 63 Resp: 2559

Ion Ratio Lower Upper

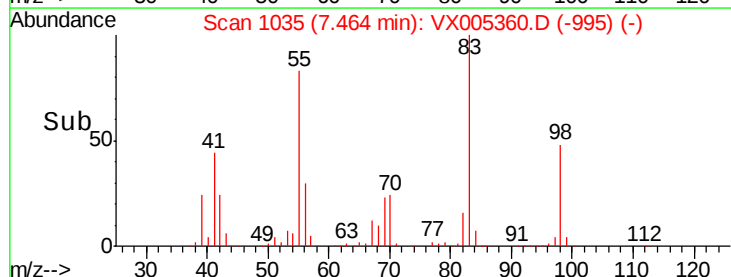
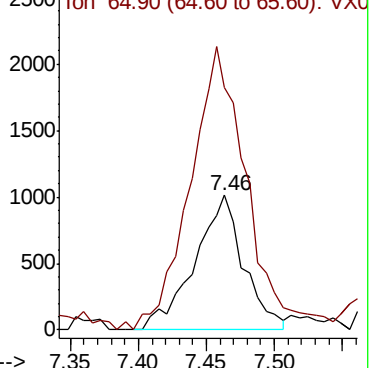
63 100

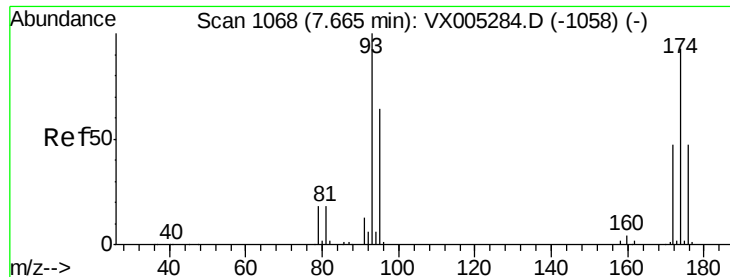
65 180.9 24.3 36.5#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0





#46

Dibromomethane

Concen: 0.813 ug/l

RT: 7.63 min Scan# 1063

Delta R.T. -0.03 min

Lab File: VX005360.D

Acq: 16 Oct 2018 10:33

Instrument :

MSVOA_X

ClientSampleId :

TWP-03

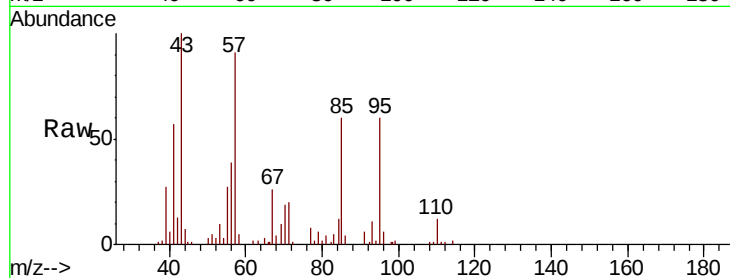
Tgt Ion: 93 Resp: 1597

Ion Ratio Lower Upper

93 100

95 649.0 65.5 98.3#

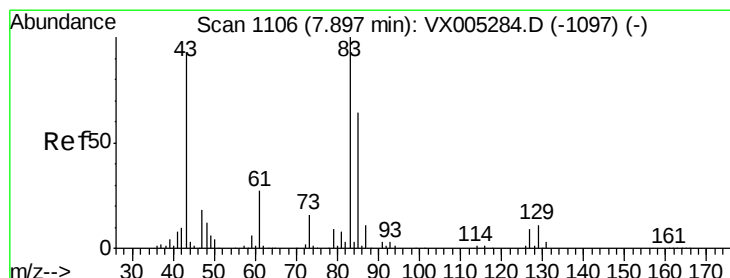
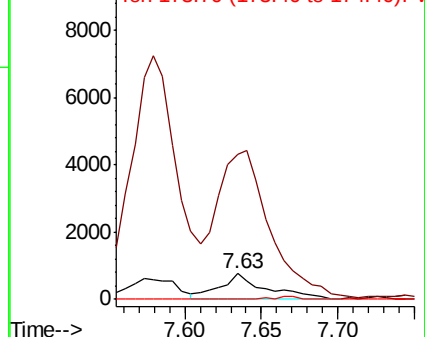
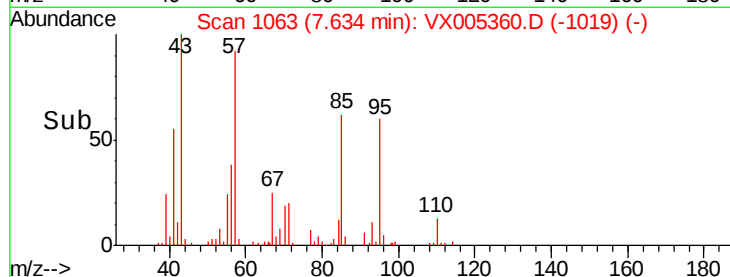
174 0.0 94.2 141.4#



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V



#47

Bromodichloromethane

Concen: 0.711 ug/l

RT: 7.84 min Scan# 1097

Delta R.T. -0.05 min

Lab File: VX005360.D

Acq: 16 Oct 2018 10:33

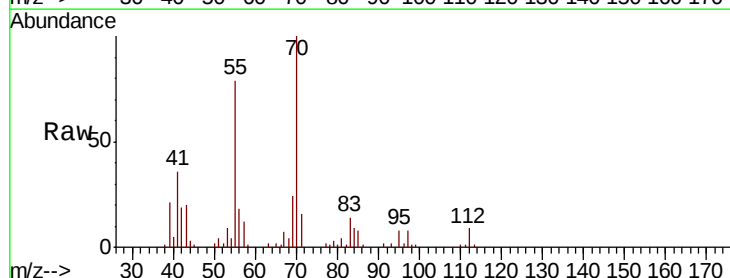
Tgt Ion: 83 Resp: 2583

Ion Ratio Lower Upper

83 100

85 62.9 50.9 76.3

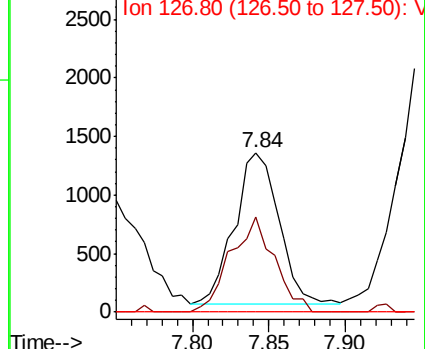
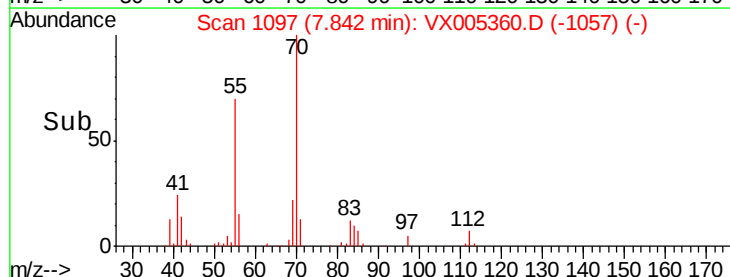
127 0.0 7.3 10.9#

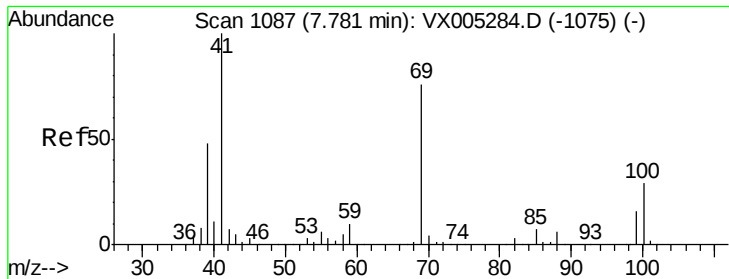


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V

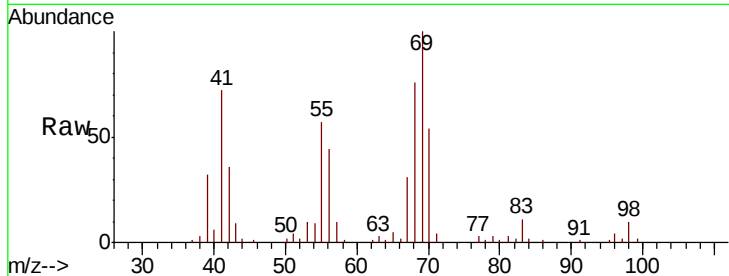




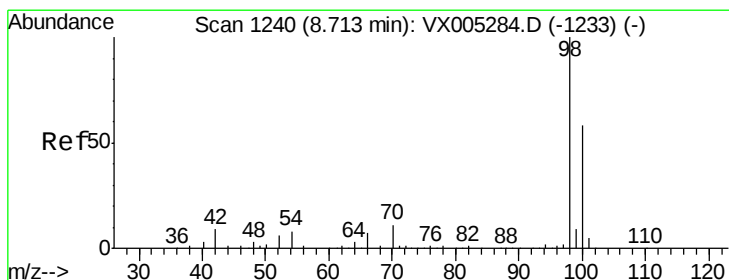
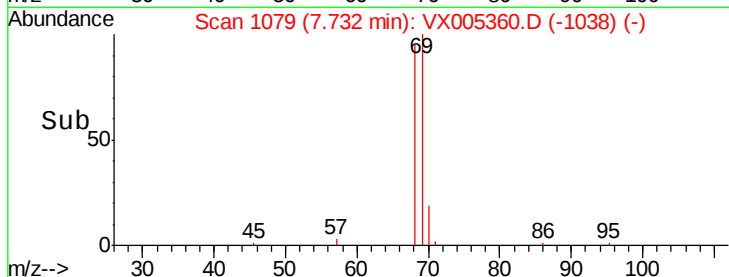
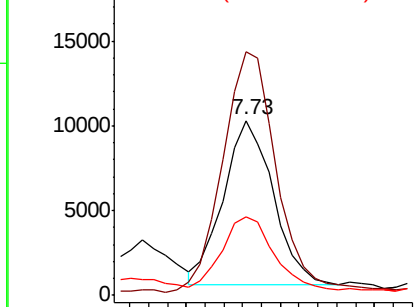
#48
Methyl methacrylate
Concen: 4.892 ug/l
RT: 7.73 min Scan# 1079
Delta R.T. -0.05 min
Lab File: VX005360.D
Acq: 16 Oct 2018 10:33

Instrument :
MSVOA_X
ClientSampleId :
TWP-03

Tgt Ion: 41 Resp: 17580
Ion Ratio Lower Upper
41 100
69 160.2 70.2 105.4#
39 47.1 42.7 64.1

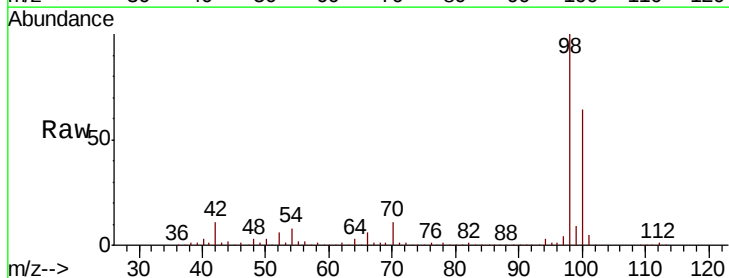


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0

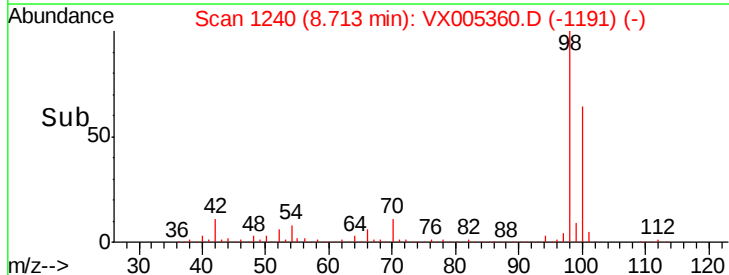
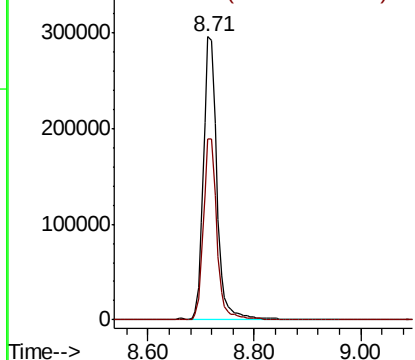


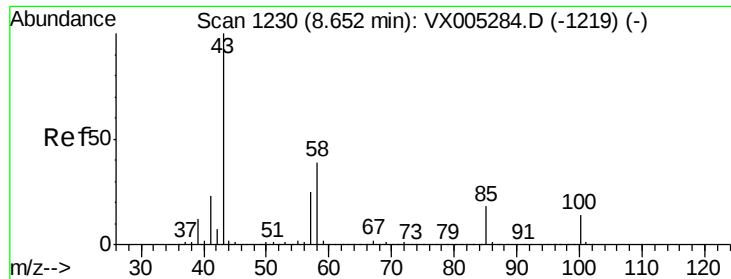
#50
Toluene-d8
Concen: 53.727 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005360.D
Acq: 16 Oct 2018 10:33

Tgt Ion: 98 Resp: 510163
Ion Ratio Lower Upper
98 100
100 64.0 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 2.184 ug/l

RT: 8.68 min Scan# 1234

Delta R.T. 0.02 min

Lab File: VX005360.D

Acq: 16 Oct 2018 10:33

Instrument :

MSVOA_X

ClientSampleId :

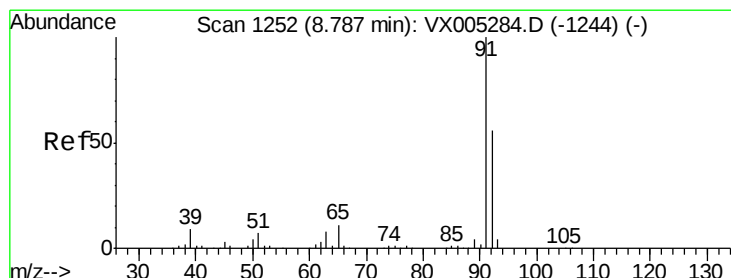
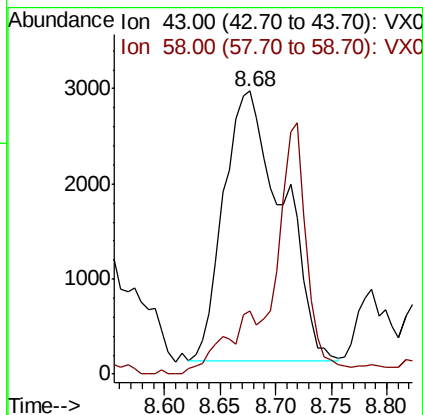
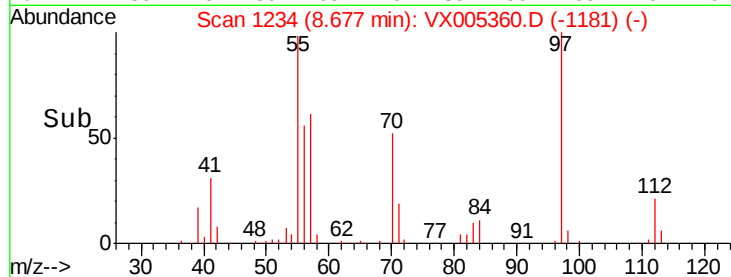
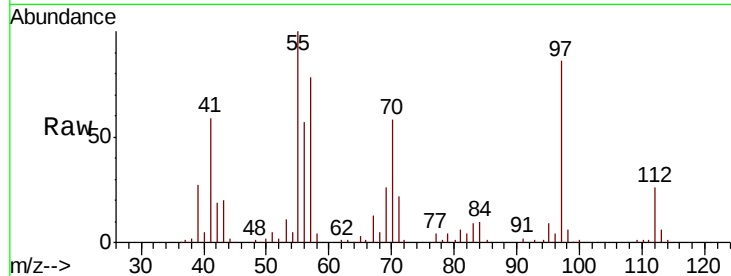
TWP-03

Tgt Ion: 43 Resp: 10478

Ion Ratio Lower Upper

43 100

58 12.9 33.1 49.7#



#52

Toluene

Concen: 7.816 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005360.D

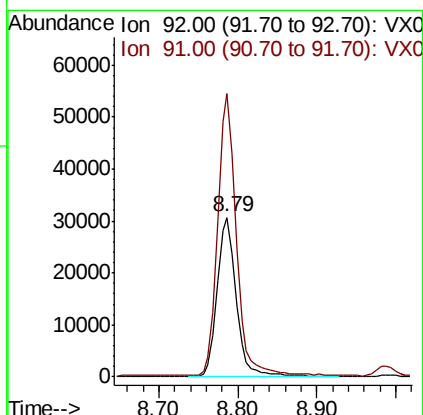
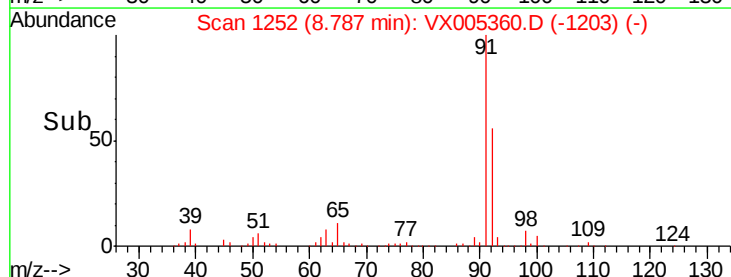
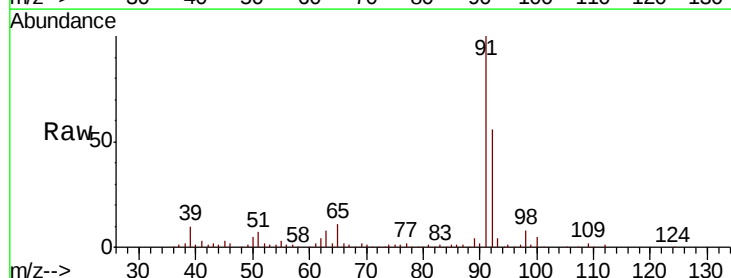
Acq: 16 Oct 2018 10:33

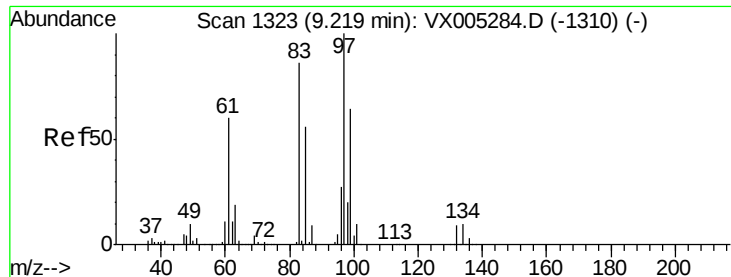
Tgt Ion: 92 Resp: 51877

Ion Ratio Lower Upper

92 100

91 174.2 136.4 204.6

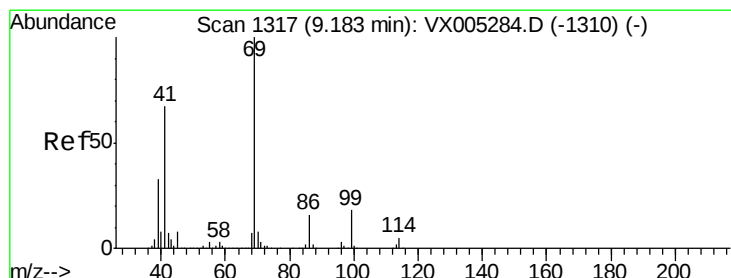
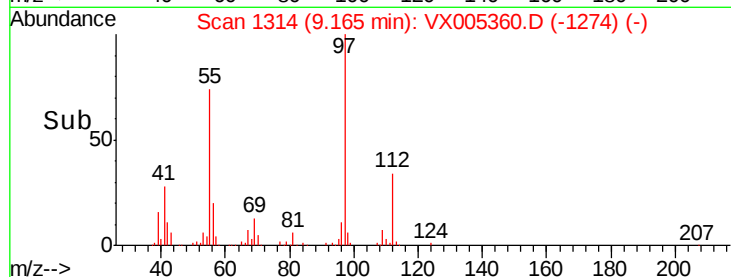
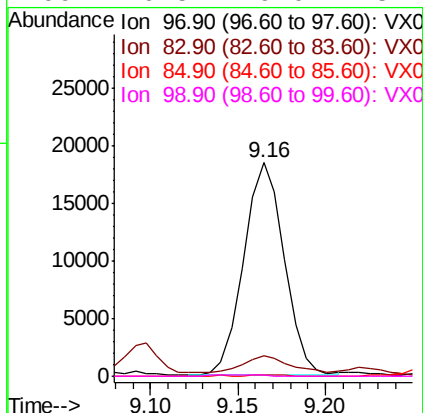
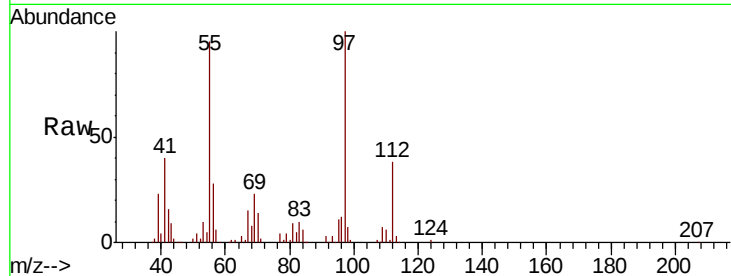




#55
 1,1,2-Trichloroethane
 Concen: 10.589 ug/l
 RT: 9.16 min Scan# 1314
 Delta R.T. -0.05 min
 Lab File: VX005360.D
 Acq: 16 Oct 2018 10:33

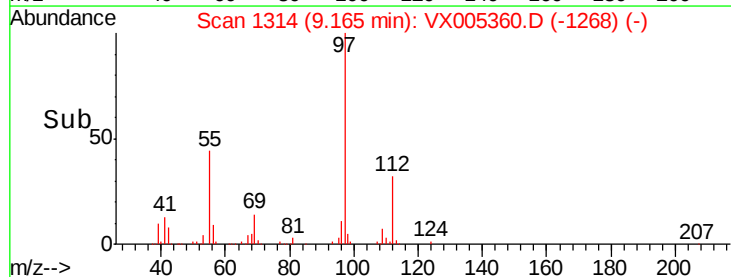
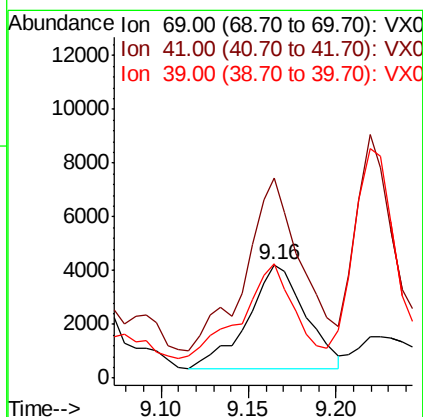
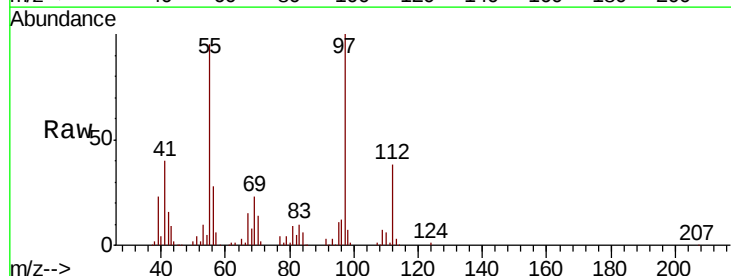
Instrument :
 MSVOA_X
 ClientSampled :
 TWP-03

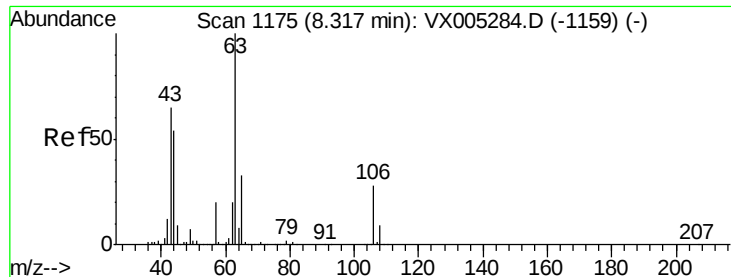
Tgt Ion: 97 Resp: 29770
 Ion Ratio Lower Upper
 97 100
 83 8.0 66.4 99.6#
 85 0.7 43.3 64.9#
 99 0.5 49.0 73.4#



#56
 Ethyl methacrylate
 Concen: 2.136 ug/l
 RT: 9.16 min Scan# 1314
 Delta R.T. -0.02 min
 Lab File: VX005360.D
 Acq: 16 Oct 2018 10:33

Tgt Ion: 69 Resp: 8755
 Ion Ratio Lower Upper
 69 100
 41 163.4 51.0 76.4#
 39 87.1 26.1 39.1#

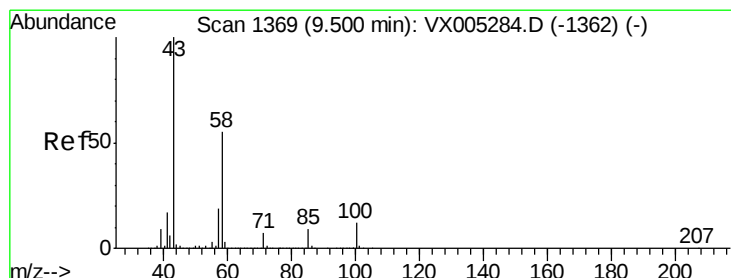
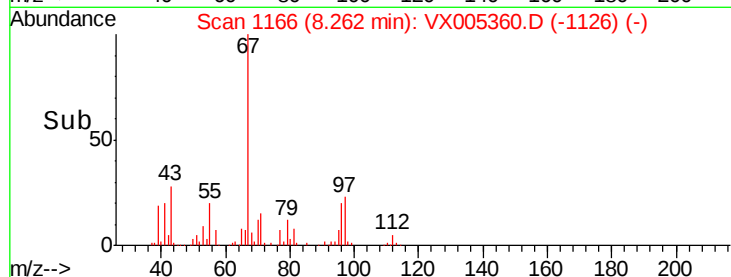
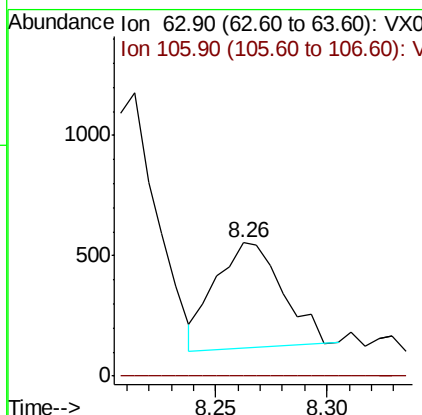
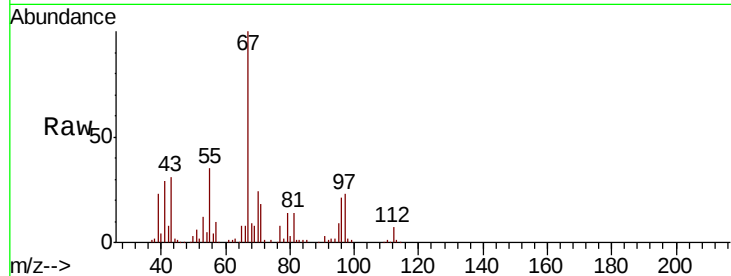




#58
 2-Chloroethyl Vinyl ether
 Concen: 0.403 ug/l
 RT: 8.26 min Scan# 1166
 Delta R.T. -0.05 min
 Lab File: VX005360.D
 Acq: 16 Oct 2018 10:33

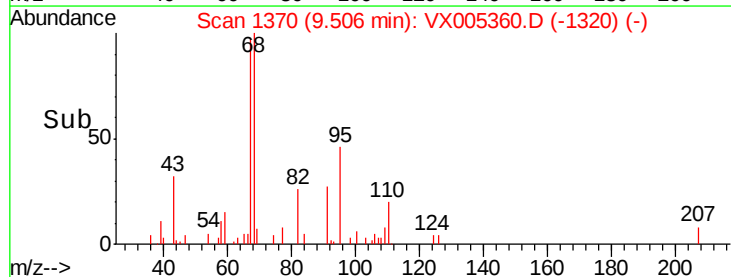
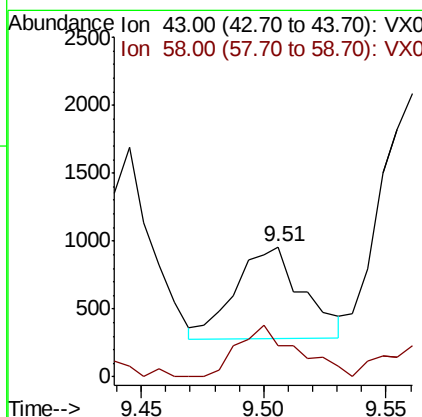
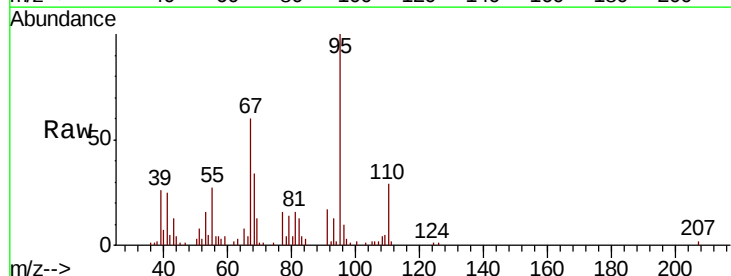
Instrument :
 MSVOA_X
 ClientSampled :
 TWP-03

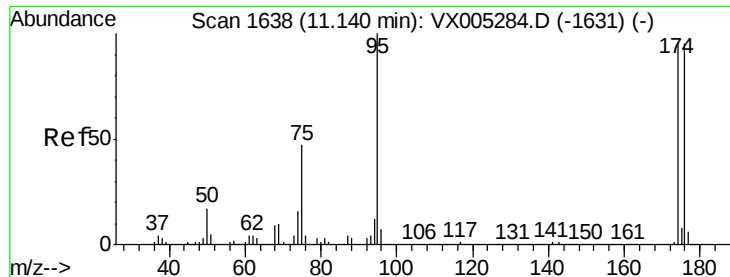
Tgt Ion: 63 Resp: 926
 Ion Ratio Lower Upper
 63 100
 106 0.0 23.9 35.9#



#59
 2-Hexanone
 Concen: 0.335 ug/l
 RT: 9.51 min Scan# 1370
 Delta R.T. 0.01 min
 Lab File: VX005360.D
 Acq: 16 Oct 2018 10:33

Tgt Ion: 43 Resp: 1292
 Ion Ratio Lower Upper
 43 100
 58 49.9 29.0 87.0





#62

4-Bromofluorobenzene

Concen: 49.915 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005360.D

Acq: 16 Oct 2018 10:33

Instrument :

MSVOA_X

ClientSampleId :

TWP-03

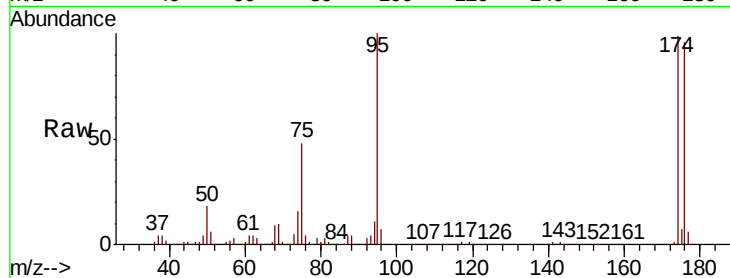
Tgt Ion: 95 Resp: 178055

Ion Ratio Lower Upper

95 100

174 94.2 0.0 185.2

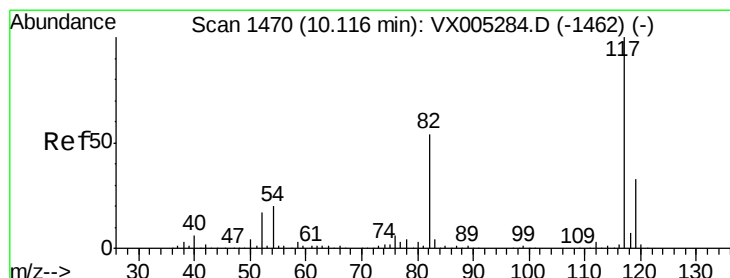
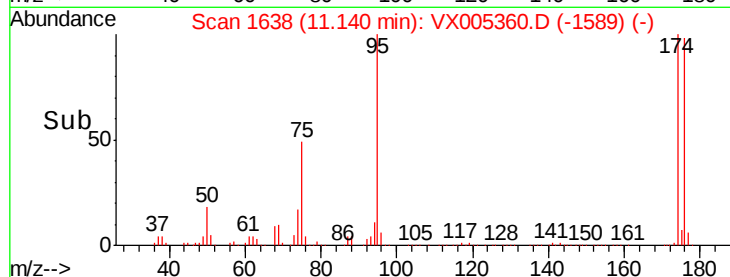
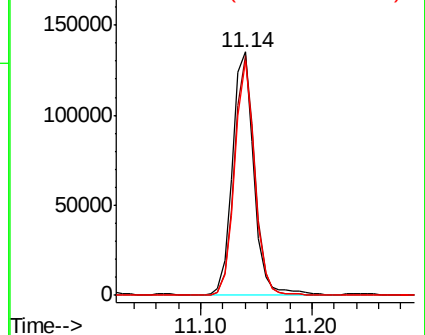
176 90.9 0.0 178.6



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: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX005360.D

Acq: 16 Oct 2018 10:33

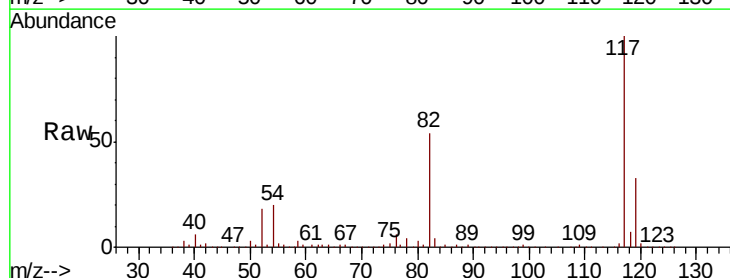
Tgt Ion: 117 Resp: 375315

Ion Ratio Lower Upper

117 100

82 54.2 47.8 71.6

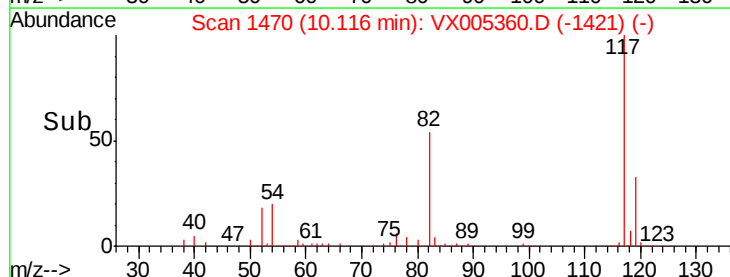
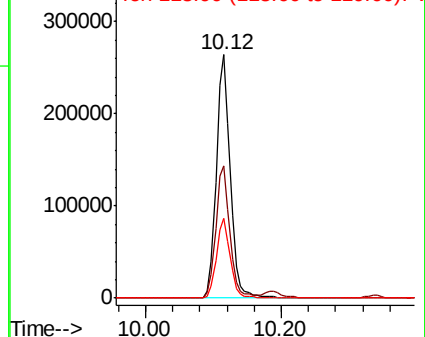
119 32.8 29.3 43.9

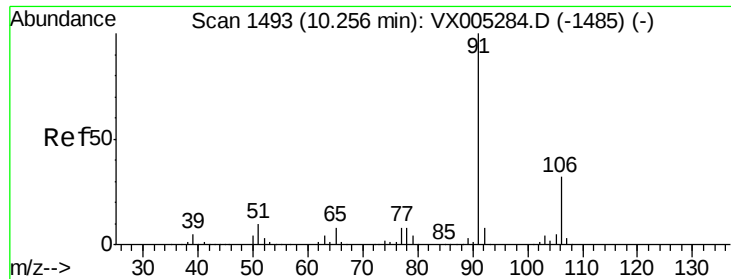


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

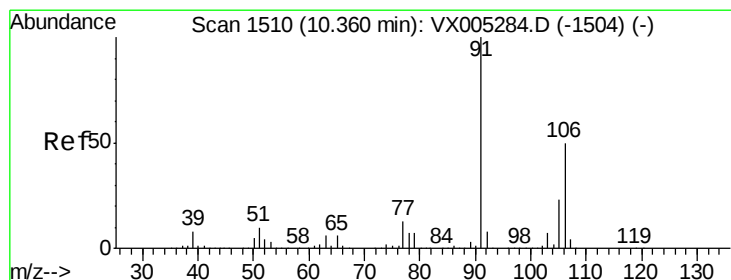
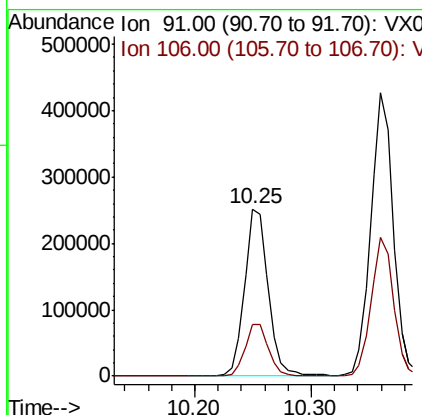
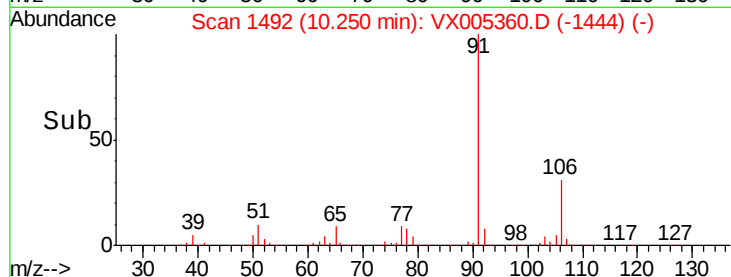
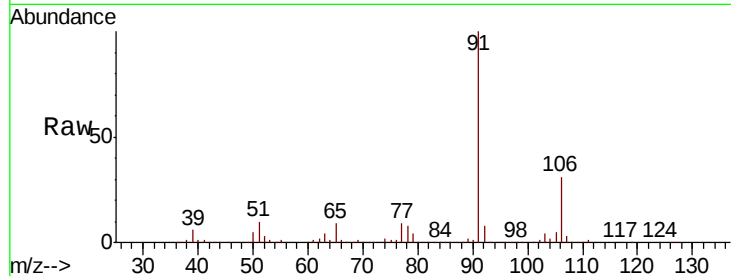




#67
Ethyl Benzene
Concen: 27.428 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VX005360.D
Acq: 16 Oct 2018 10:33

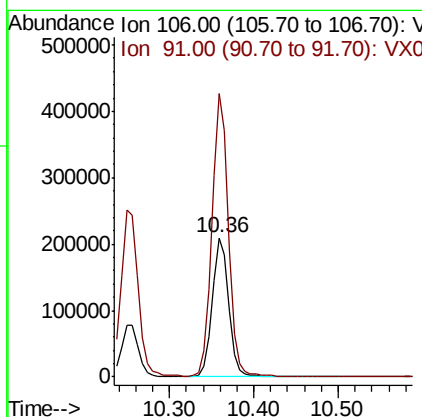
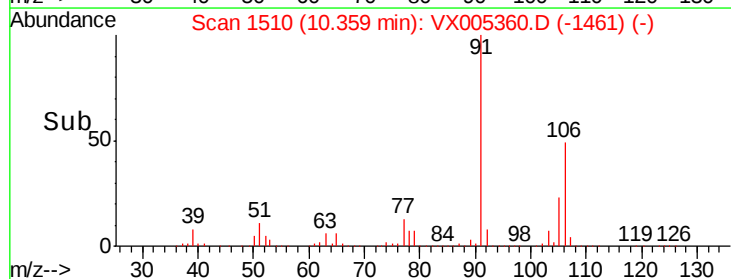
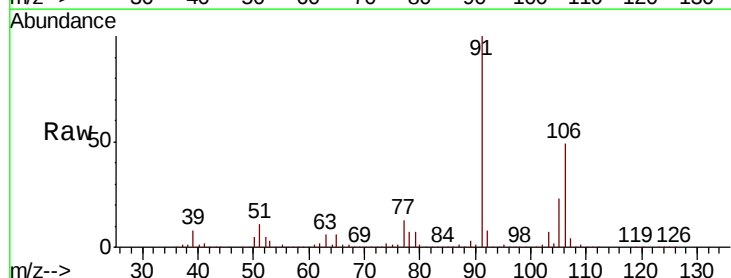
Instrument :
MSVOA_X
ClientSampleId :
TWP-03

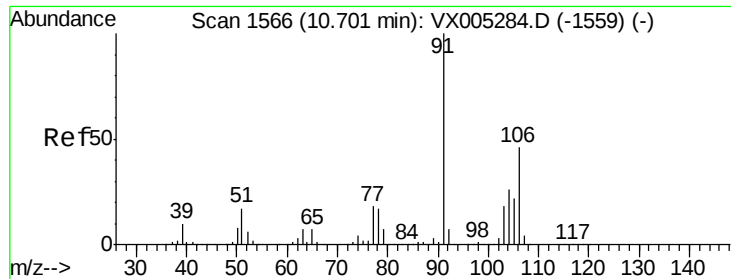
Tgt Ion: 91 Resp: 355970
Ion Ratio Lower Upper
91 100
106 30.6 25.9 38.9



#68
m/p-Xylenes
Concen: 56.582 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX005360.D
Acq: 16 Oct 2018 10:33

Tgt Ion: 106 Resp: 285023
Ion Ratio Lower Upper
106 100
91 203.2 157.1 235.7

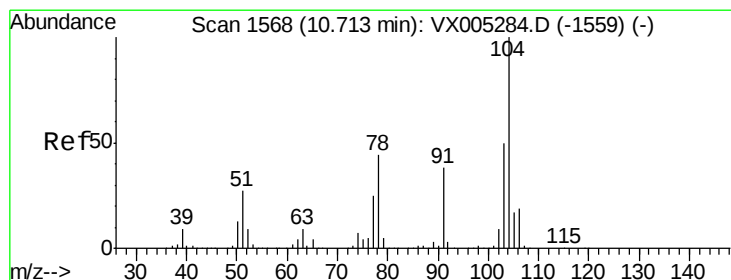
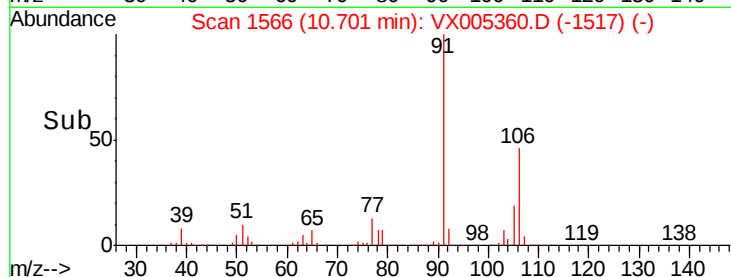
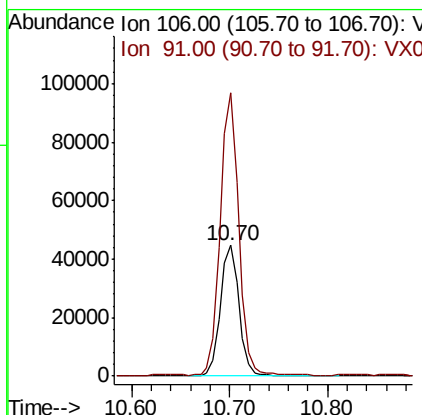
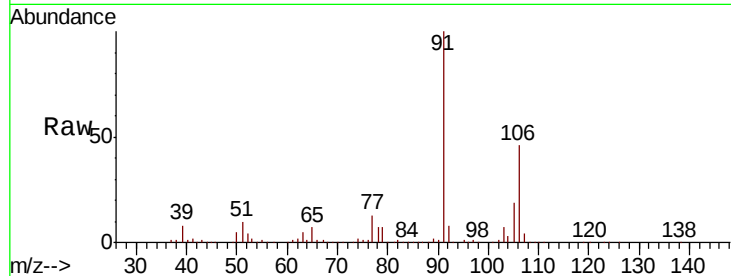




#69
o-Xylene
Concen: 12.266 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005360.D
Acq: 16 Oct 2018 10:33

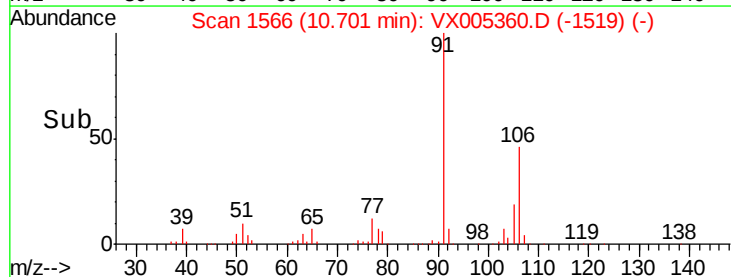
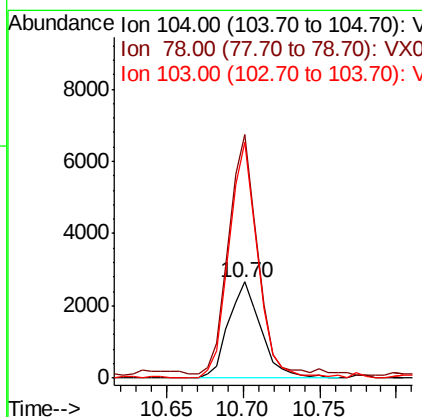
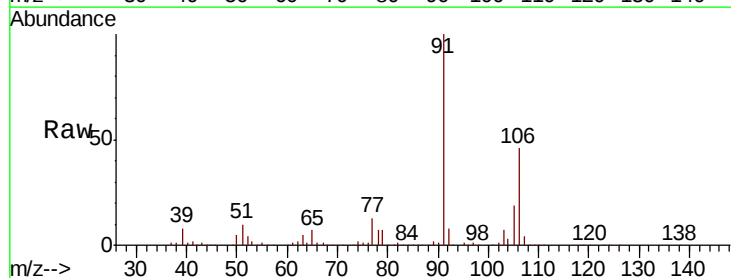
Instrument :
MSVOA_X
ClientSampleId :
TWP-03

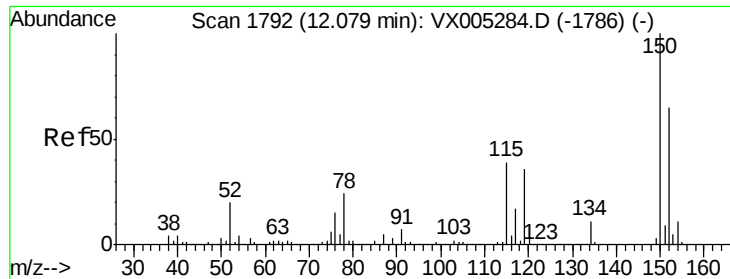
Tgt Ion:106 Resp: 59591
Ion Ratio Lower Upper
106 100
91 212.9 105.1 315.1



#70
Styrene
Concen: 0.492 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.01 min
Lab File: VX005360.D
Acq: 16 Oct 2018 10:33

Tgt Ion:104 Resp: 3933
Ion Ratio Lower Upper
104 100
78 217.1 37.4 56.0#
103 219.1 43.8 65.6#



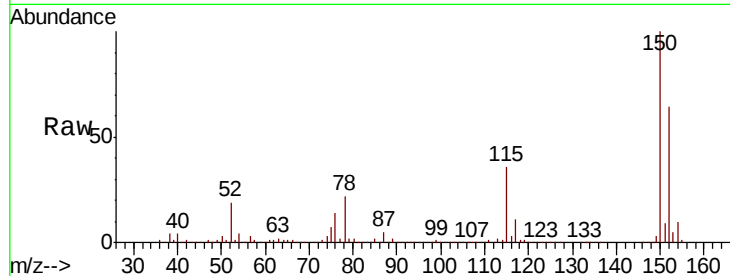


#72

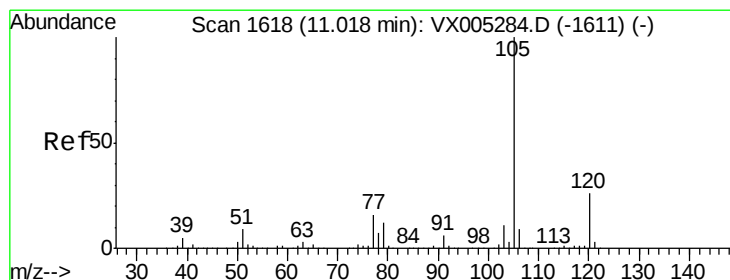
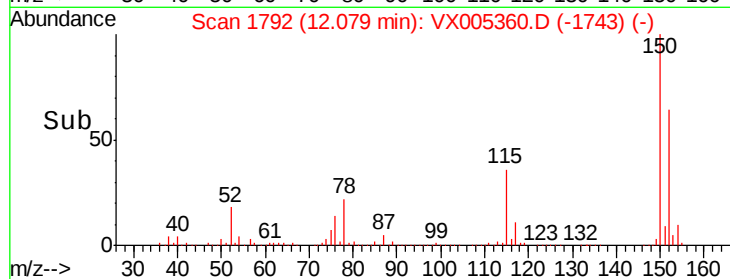
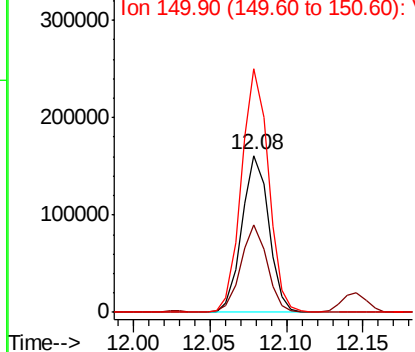
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005360.D
Acq: 16 Oct 2018 10:33

Instrument :
MSVOA_X
ClientSampleId :
TWP-03

Tgt Ion:152 Resp: 196581
Ion Ratio Lower Upper
152 100
115 54.7 39.0 117.0
150 156.7 0.0 351.0



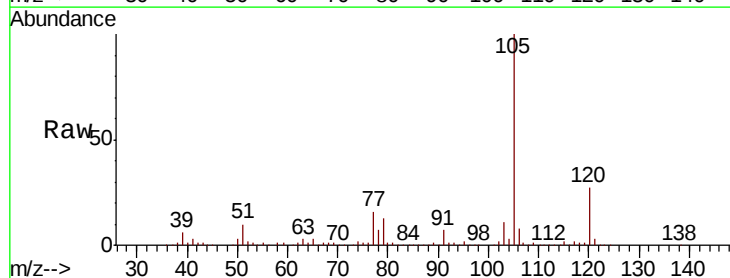
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



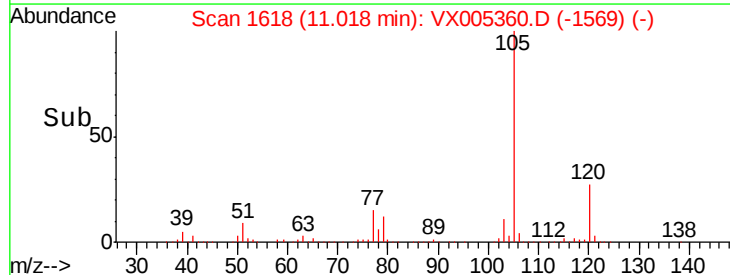
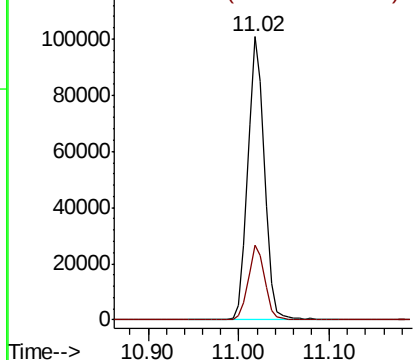
#73

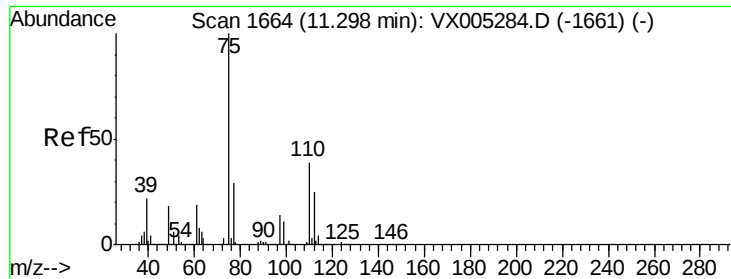
Isopropylbenzene
Concen: 10.981 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX005360.D
Acq: 16 Oct 2018 10:33

Tgt Ion:105 Resp: 128331
Ion Ratio Lower Upper
105 100
120 26.3 13.5 40.4



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: 1.220 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.06 min

Lab File: VX005360.D

Acq: 16 Oct 2018 10:33

Instrument :

MSVOA_X

ClientSampleId :

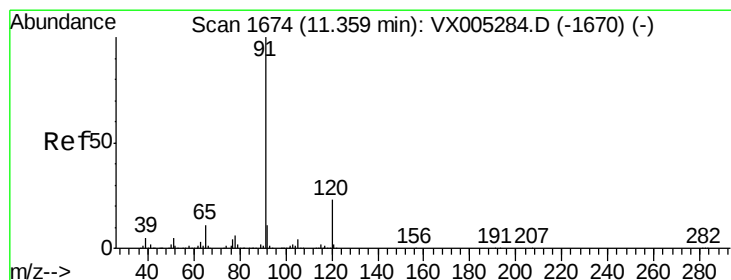
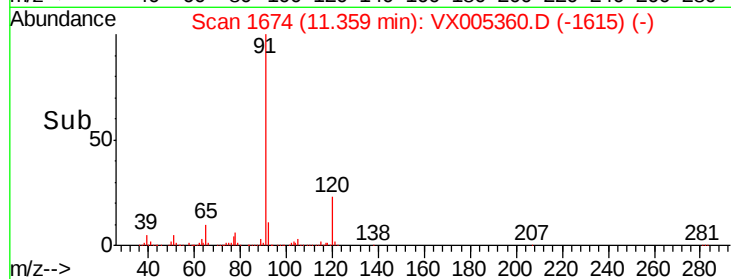
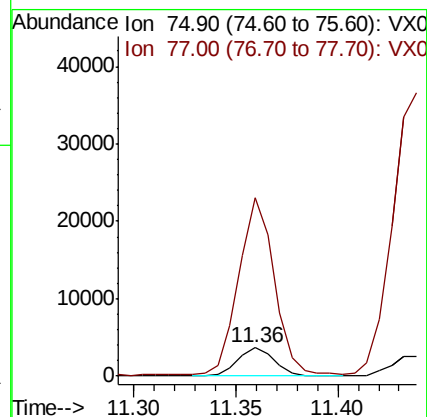
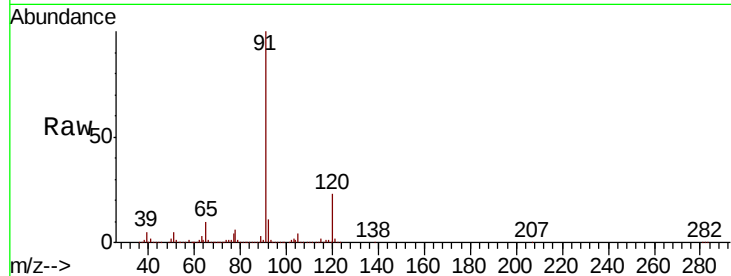
TWP-03

Tgt Ion: 75 Resp: 4653

Ion Ratio Lower Upper

75 100

77 595.1 20.2 60.6#



#78

n-propylbenzene

Concen: 52.379 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005360.D

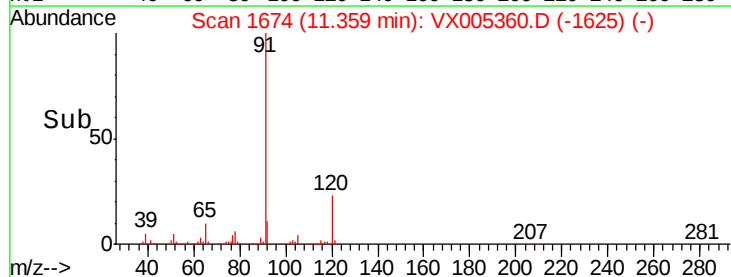
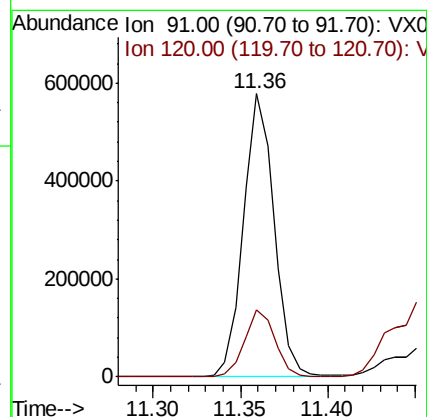
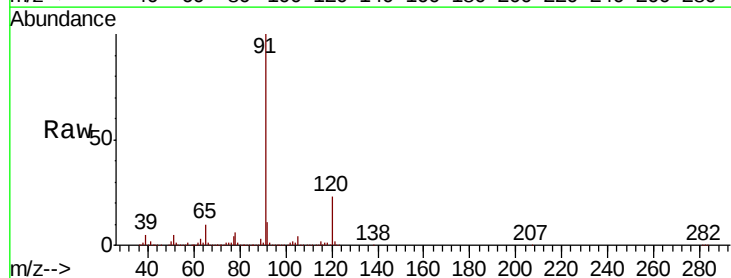
Acq: 16 Oct 2018 10:33

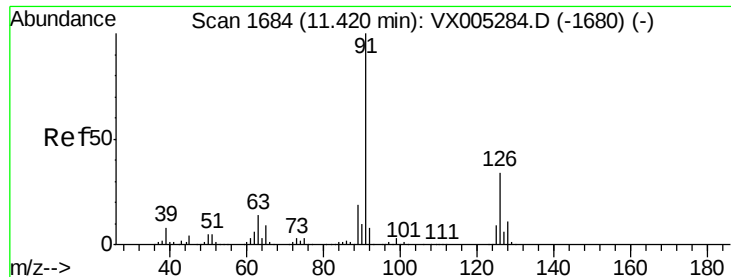
Tgt Ion: 91 Resp: 704372

Ion Ratio Lower Upper

91 100

120 23.5 11.9 35.9

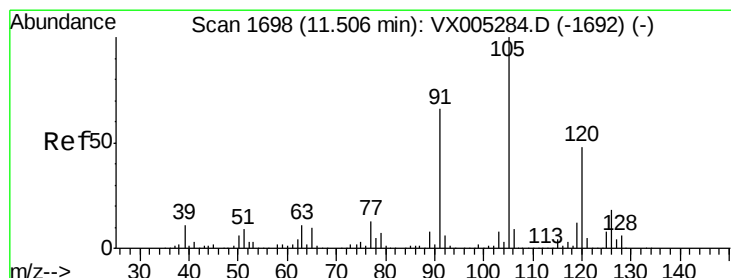
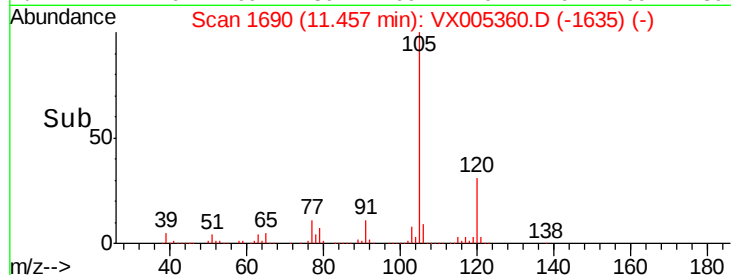
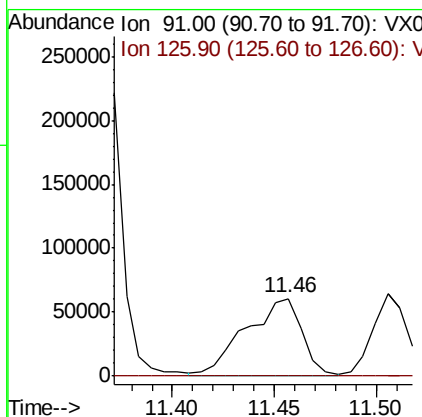
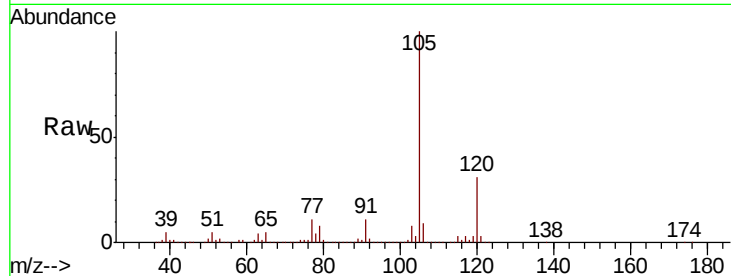




#79
 2-Chlorotoluene
 Concen: 14.133 ug/l
 RT: 11.46 min Scan# 1690
 Delta R.T. 0.04 min
 Lab File: VX005360.D
 Acq: 16 Oct 2018 10:33

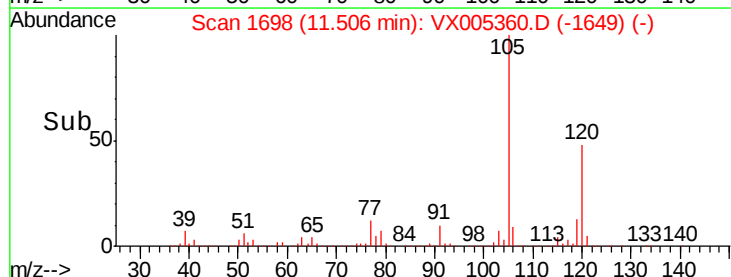
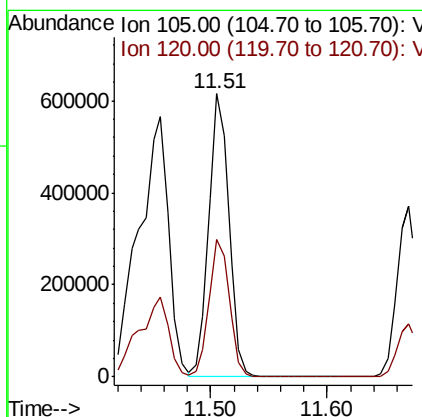
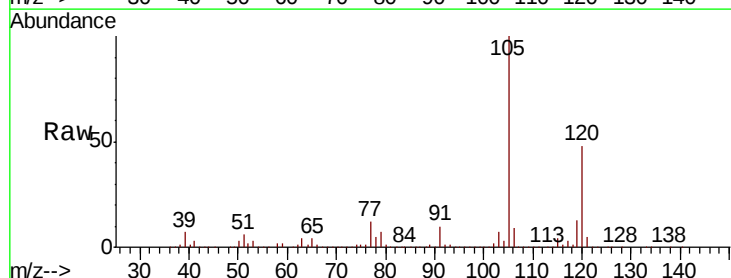
Instrument :
 MSVOA_X
 ClientSampleId :
 TWP-03

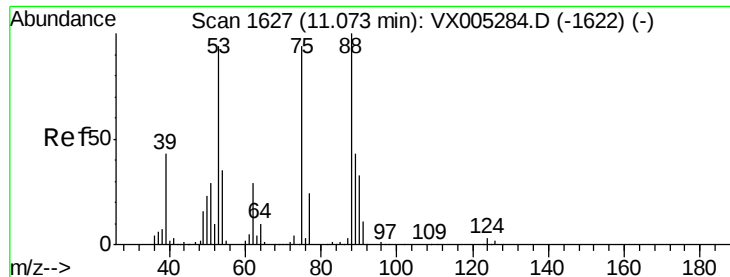
Tgt Ion: 91 Resp: 116396
 Ion Ratio Lower Upper
 91 100
 126 0.0 17.9 53.7#



#80
 1,3,5-Trimethylbenzene
 Concen: 73.341 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX005360.D
 Acq: 16 Oct 2018 10:33

Tgt Ion: 105 Resp: 733953
 Ion Ratio Lower Upper
 105 100
 120 49.0 25.6 76.8

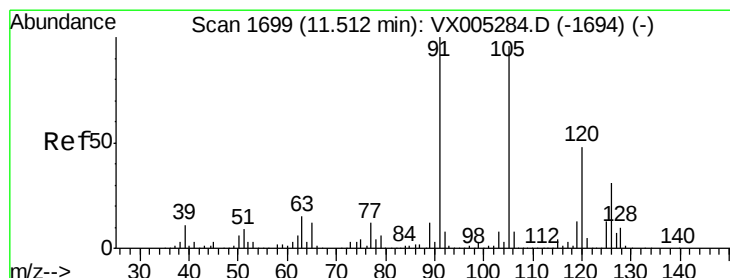
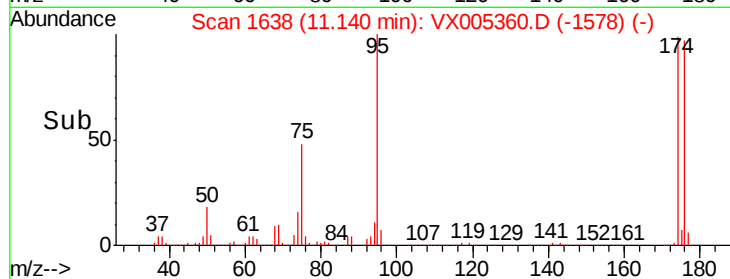
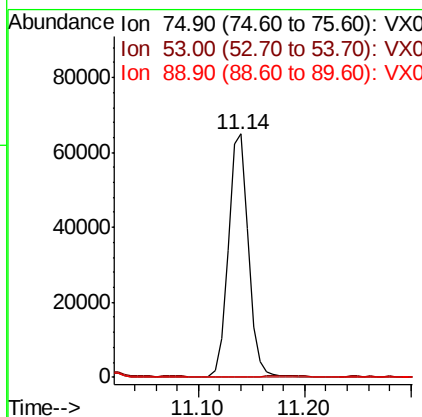
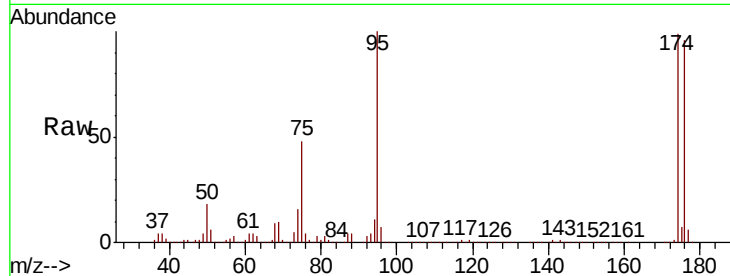




#81
trans-1,4-Dichloro-2-butene
Concen: 68.777 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.07 min
Lab File: VX005360.D
Acq: 16 Oct 2018 10:33

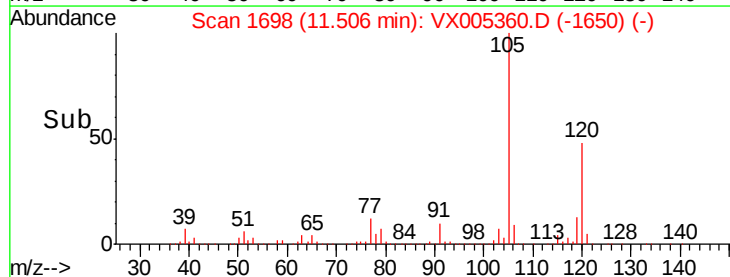
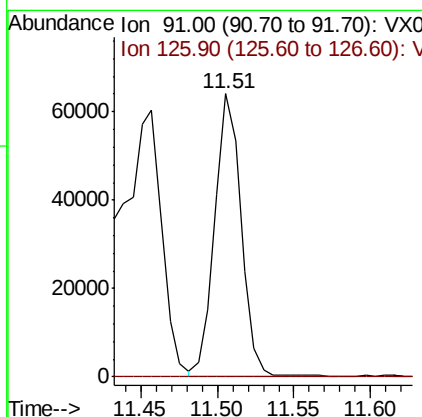
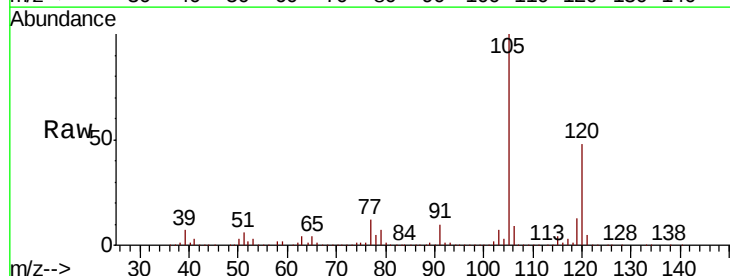
Instrument :
MSVOA_X
ClientSampled :
TWP-03

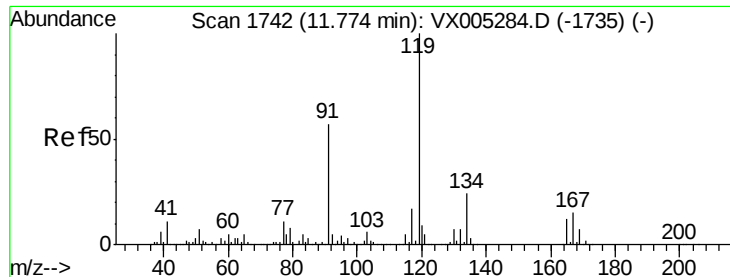
Tgt Ion: 75 Resp: 86311
Ion Ratio Lower Upper
75 100
53 0.0 80.1 120.1#
89 0.0 37.2 55.8#



#82
4-Chlorotoluene
Concen: 7.817 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.01 min
Lab File: VX005360.D
Acq: 16 Oct 2018 10:33

Tgt Ion: 91 Resp: 76317
Ion Ratio Lower Upper
91 100
126 0.3 15.5 46.5#

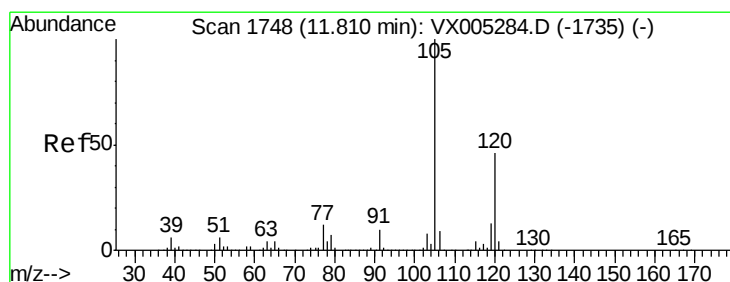
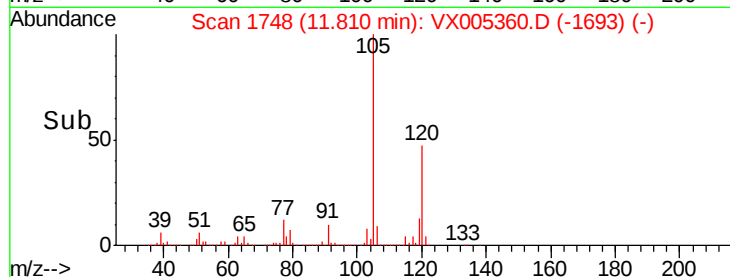
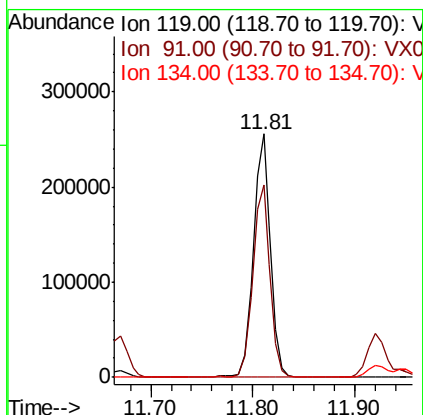
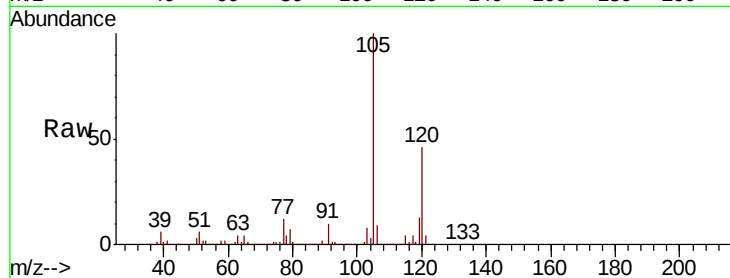




#83
tert-Butylbenzene
Concen: 29.525 ug/l
RT: 11.81 min Scan# 1748
Delta R.T. 0.04 min
Lab File: VX005360.D
Acq: 16 Oct 2018 10:33

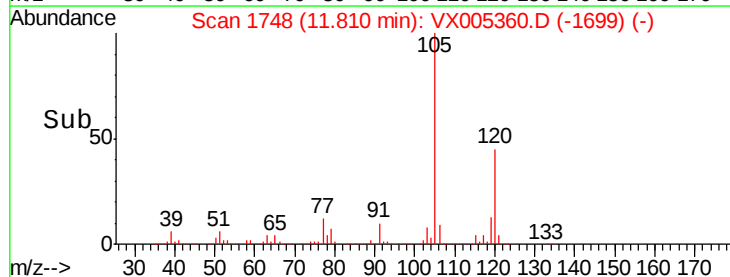
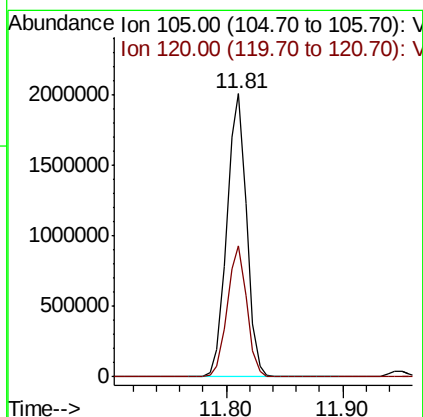
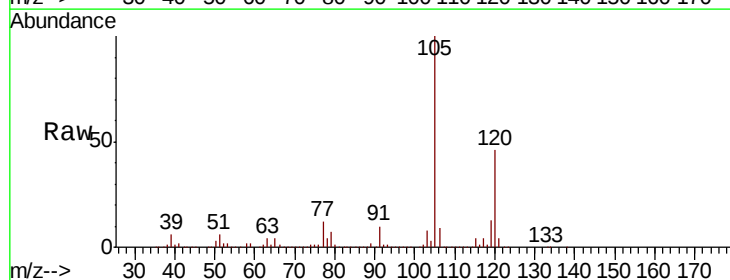
Instrument :
MSVOA_X
ClientSampleId :
TWP-03

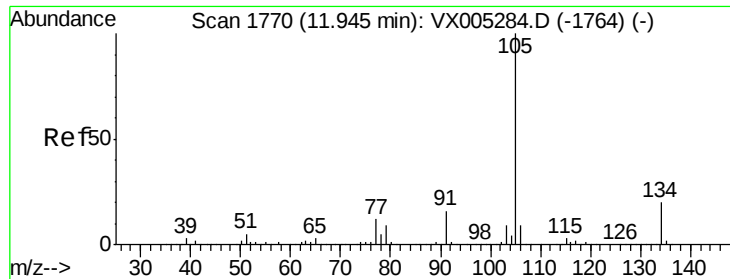
Tgt Ion:119 Resp: 299207
Ion Ratio Lower Upper
119 100
91 80.0 27.0 81.0
134 0.2 11.7 35.1#



#84
1,2,4-Trimethylbenzene
Concen: 228.214 ug/l
RT: 11.81 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VX005360.D
Acq: 16 Oct 2018 10:33

Tgt Ion:105 Resp: 2350273
Ion Ratio Lower Upper
105 100
120 45.8 23.2 69.6

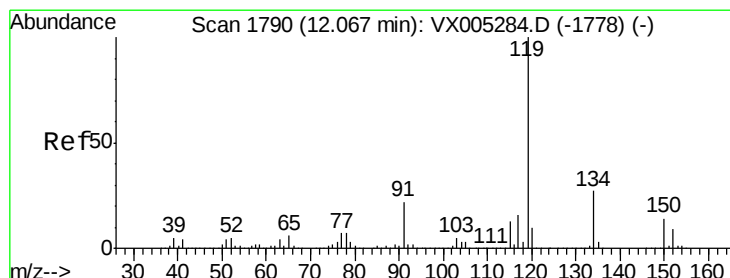
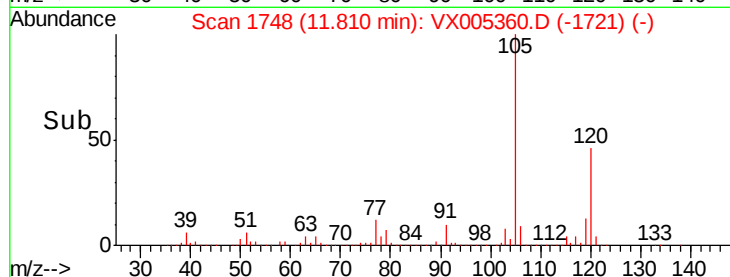
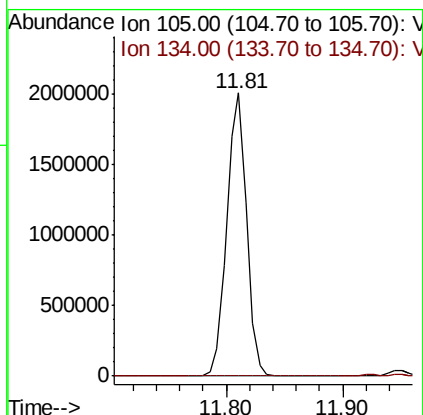
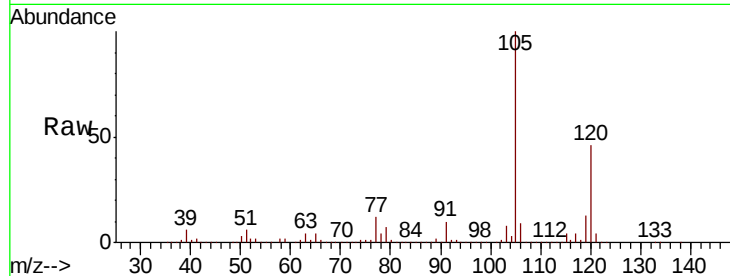




#85
 sec-Butylbenzene
 Concen: 195.974 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. -0.13 min
 Lab File: VX005360.D
 Acq: 16 Oct 2018 10:33

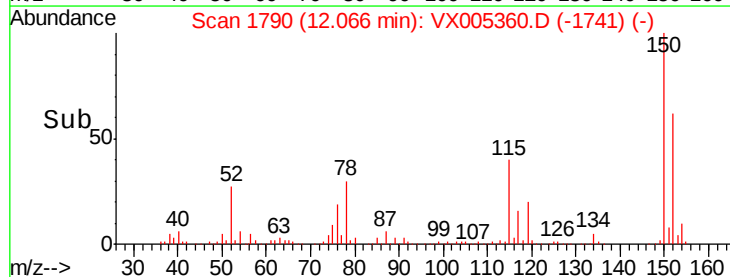
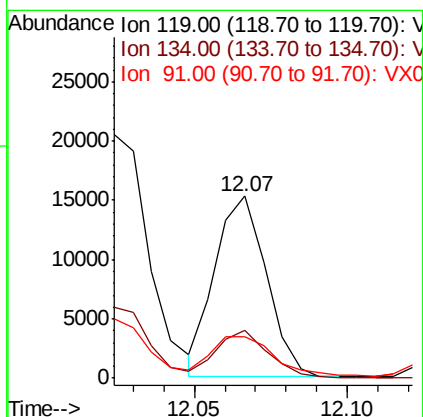
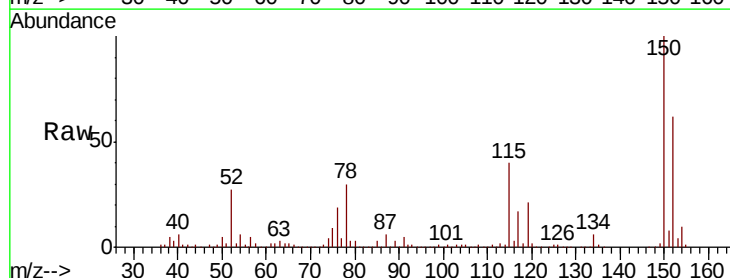
Instrument :
 MSVOA_X
 ClientSampleId :
 TWP-03

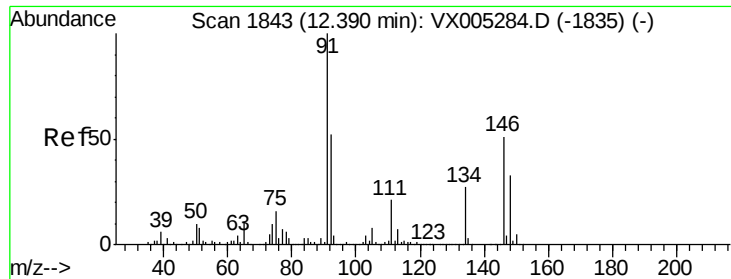
Tgt Ion:105 Resp: 2350273
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.5 31.5#



#86
 p-Isopropyltoluene
 Concen: 1.645 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VX005360.D
 Acq: 16 Oct 2018 10:33

Tgt Ion:119 Resp: 17833
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.4 40.2
 91 0.0 10.9 32.7#

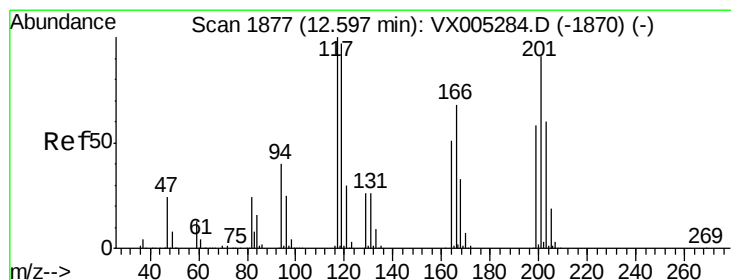
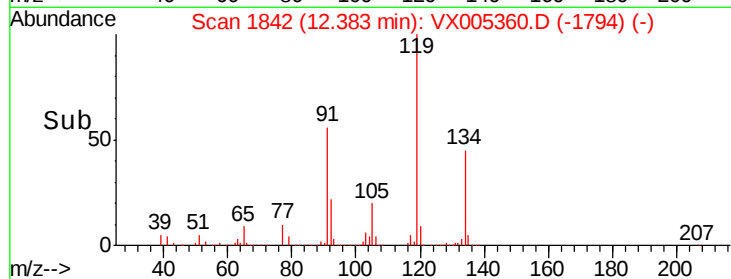
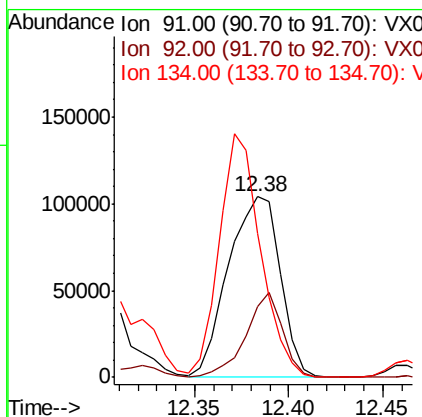
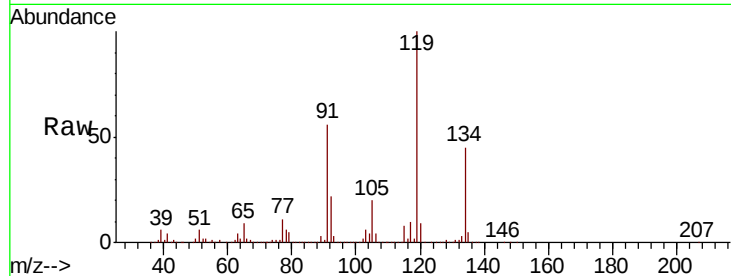




#89
n-Butylbenzene
Concen: 20.085 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.01 min
Lab File: VX005360.D
Acq: 16 Oct 2018 10:33

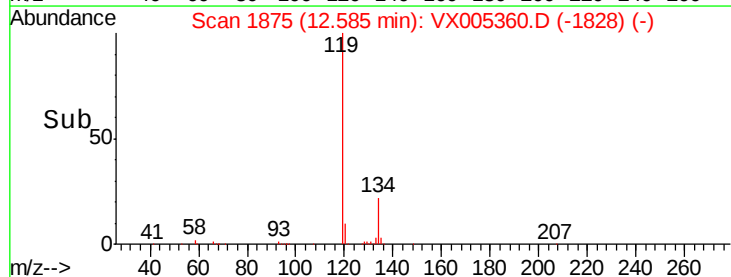
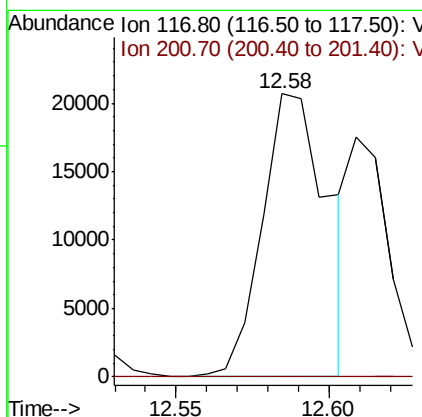
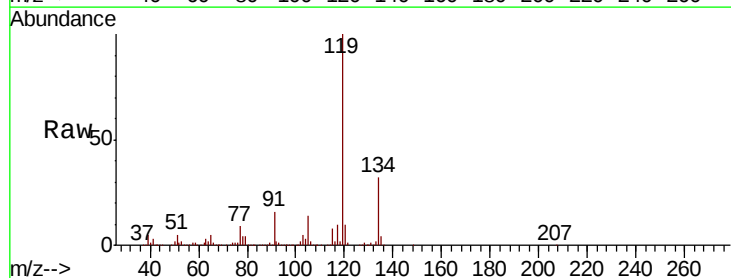
Instrument :
MSVOA_X
ClientSampled :
TWP-03

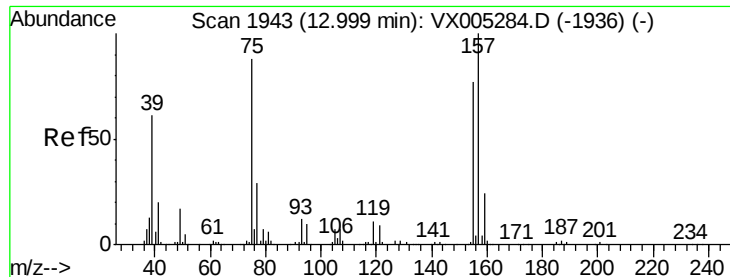
Tgt Ion: 91 Resp: 197671
Ion Ratio Lower Upper
91 100
92 33.7 27.3 81.9
134 107.1 13.6 40.7#



#90
Hexachloroethane
Concen: 16.478 ug/l
RT: 12.58 min Scan# 1875
Delta R.T. -0.01 min
Lab File: VX005360.D
Acq: 16 Oct 2018 10:33

Tgt Ion: 117 Resp: 30783
Ion Ratio Lower Upper
117 100
201 0.0 46.9 140.6#





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.455 ug/l

RT: 13.02 min Scan# 1946

Delta R.T. 0.02 min

Lab File: VX005360.D

Acq: 16 Oct 2018 10:33

Instrument :

MSVOA_X

ClientSampleId :

TWP-03

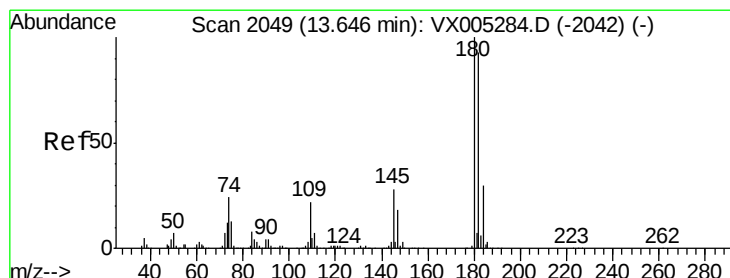
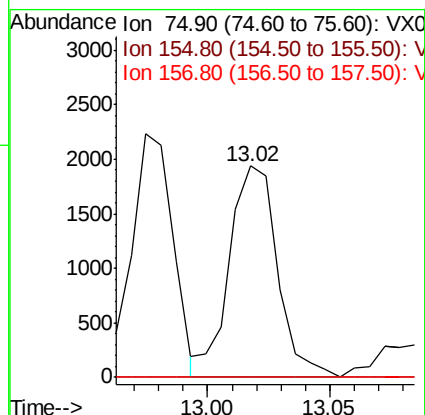
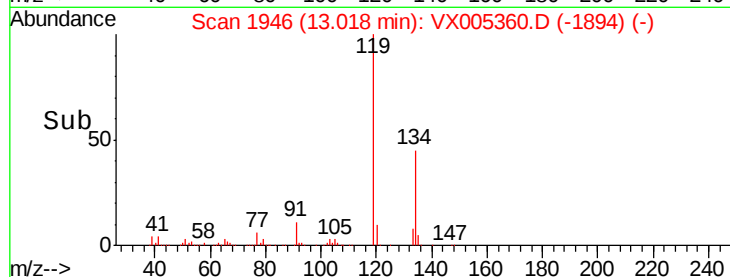
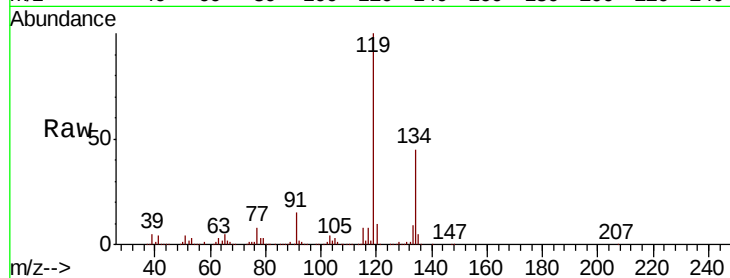
Tgt Ion: 75 Resp: 2640

Ion Ratio Lower Upper

75 100

155 0.0 48.0 144.2#

157 0.0 61.4 184.1#



#93

1,2,4-Trichlorobenzene

Concen: 0.236 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. -0.00 min

Lab File: VX005360.D

Acq: 16 Oct 2018 10:33

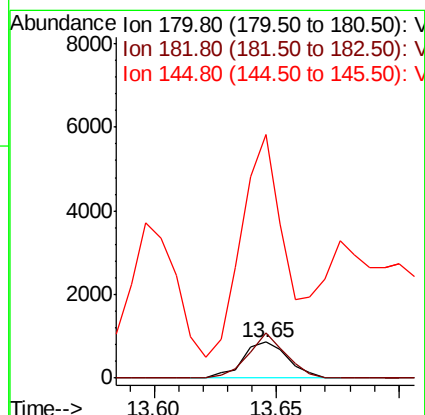
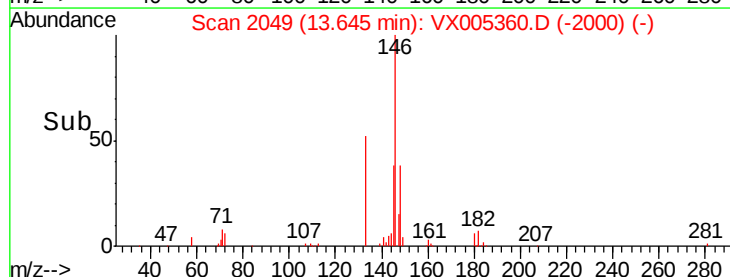
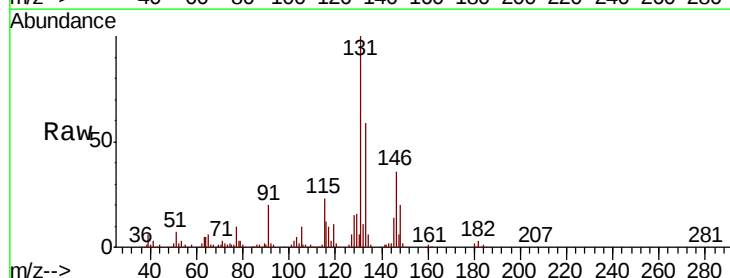
Tgt Ion: 180 Resp: 1102

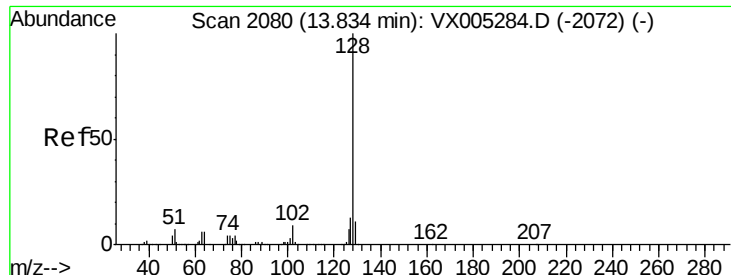
Ion Ratio Lower Upper

180 100

182 103.9 48.4 145.0

145 709.5 14.3 42.9#





#95
Naphthalene
Concen: 14.470 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX005360.D
Acq: 16 Oct 2018 10:33

Instrument :
MSVOA_X
ClientSampleId :
TWP-03

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.2	15.2
129	11.7	8.6	12.8

