

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062718\
 Data File : VX002936.D
 Acq On : 27 Jun 2018 15:11
 Operator : JC/MD
 Sample : J3707-02
 Misc : 5.97µ/5mL/100µL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 28 03:13:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	244166	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	347055	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	340335	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	231163	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	165700	49.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.20%	
35) Dibromofluoromethane	5.51	113	125376	45.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.24%	
50) Toluene-d8	8.72	98	498875	49.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.42%	
62) 4-Bromofluorobenzene	11.15	95	216401	55.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	60	Below Cal	#	43
3) Chloromethane	1.32	50	1029	Below Cal	#	86
4) Vinyl Chloride	1.41	62	687496	248.98	ug/l	99
5) Bromomethane	1.64	94	2738	Below Cal		100
10) Methyl Iodide	2.49	142	3027	7.19	ug/l	# 96
11) Tert butyl alcohol	3.02	59	6804	10.12	ug/l	# 83
13) Acrolein	2.30	56	94	4.48	ug/l	# 78
17) Carbon Disulfide	2.53	76	1662	0.26	ug/l	# 91
18) Methyl Acetate	2.80	43	18023	4.61	ug/l	# 89
20) Methylene Chloride	2.84	84	1335	0.49	ug/l	# 77
21) trans-1,2-Dichloroethene	3.15	96	2001	0.76	ug/l	# 74
24) 1,1-Dichloroethane	3.68	63	17008	3.45	ug/l	96
25) 2-Butanone	4.74	43	3652	1.76	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	1551	0.53	ug/l	84
29) Tetrahydrofuran	5.20	42	11145	8.38	ug/l	95
31) Cyclohexane	5.56	56	23567	5.57	ug/l	97
36) 1,1-Dichloropropene	5.66	75	17242	4.53	ug/l	# 50
38) Carbon Tetrachloride	5.67	117	22004	5.27	ug/l	# 15
39) Methylcyclohexane	7.46	83	62477	14.09	ug/l	95
40) Benzene	6.14	78	22460	2.03	ug/l	98
41) Methacrylonitrile	5.20	41	6586	2.79	ug/l	# 50
43) Isopropyl Acetate	6.49	43	1899	0.28	ug/l	# 63
48) Methyl methacrylate	7.73	41	2274	0.64	ug/l	# 67
51) 4-Methyl-2-Pentanone	8.67	43	35176	8.18	ug/l	92
52) Toluene	8.79	92	1247260	176.06	ug/l	99
54) cis-1,3-Dichloropropene	8.79	75	15724	3.83	ug/l	# 1
55) 1,1,2-Trichloroethane	9.22	97	1730	0.59	ug/l	# 80
56) Ethyl methacrylate	9.16	69	971	0.23	ug/l	# 1
59) 2-Hexanone	9.45	43	37203	11.38	ug/l	# 34
64) Tetrachloroethene	9.34	164	1358	0.36	ug/l	95
65) Chlorobenzene	10.14	112	36740	4.25	ug/l	97
67) Ethyl Benzene	10.26	91	83611	5.86	ug/l	98
68) m/p-Xylenes	10.36	106	154813	28.13	ug/l	100
69) o-Xylene	10.70	106	64957	12.12	ug/l	98

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 ClientSampleId :

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

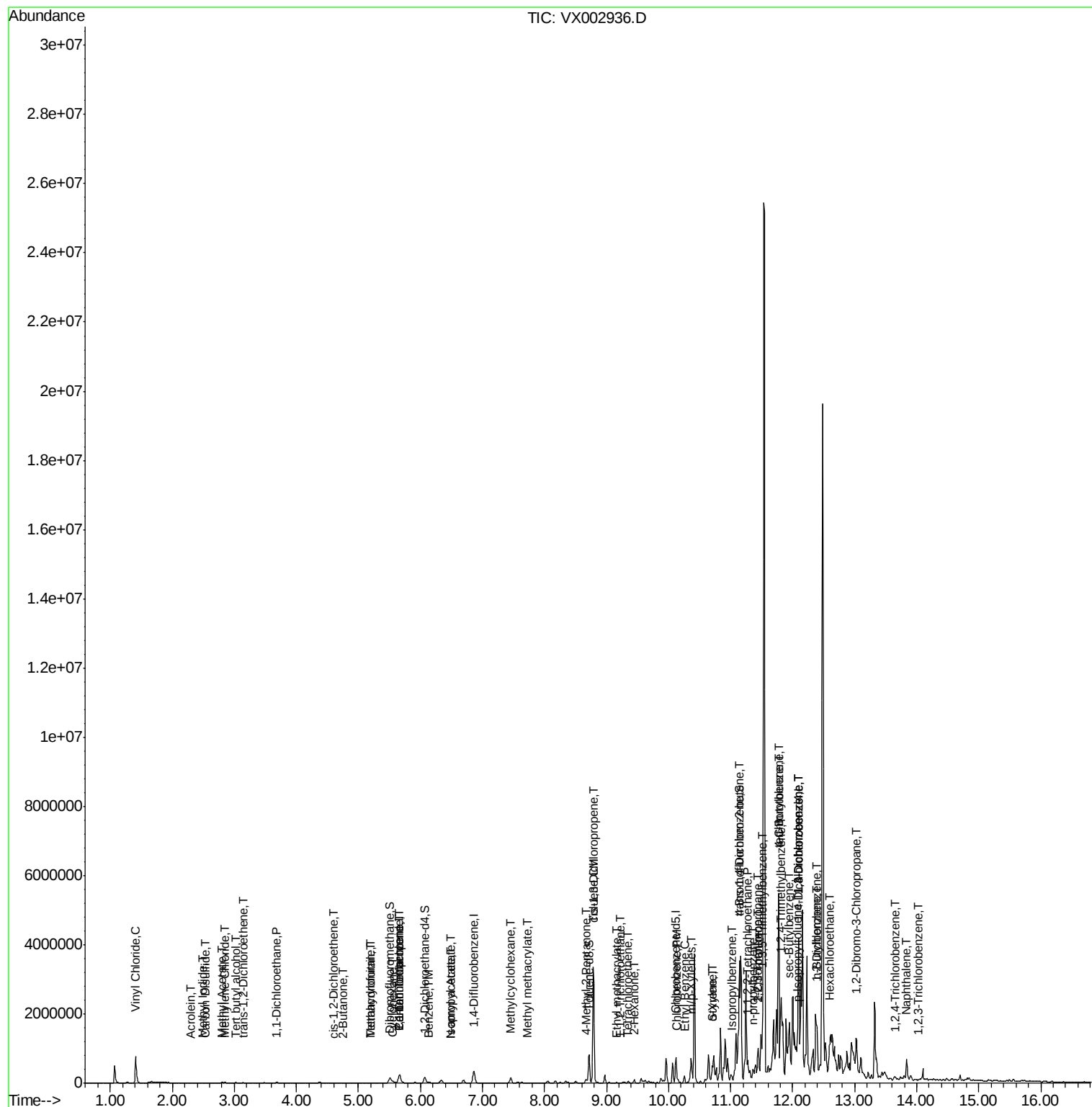
70) Styrene	10.71	104	3856	0.44	ug/l #	1
73) Isopropylbenzene	11.02	105	45496	2.93	ug/l	100
74) N-amyl acetate	6.49	43	1899	0.25	ug/l #	59
75) 1,1,2,2-Tetrachloroethane	11.28	83	19698	4.11	ug/l #	26
76) 1,2,3-Trichloropropane	11.44	75	3336	0.80	ug/l #	1
78) n-propylbenzene	11.37	91	99379	5.61	ug/l	98
79) 2-Chlorotoluene	11.44	91	49603	4.63	ug/l #	42
80) 1,3,5-Trimethylbenzene	11.51	105	266015	20.31	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.14	75	105564	71.59	ug/l #	22
82) 4-Chlorotoluene	11.77	91	16182	1.28	ug/l	97
83) tert-Butylbenzene	11.77	119	22363	1.73	ug/l	81
84) 1,2,4-Trimethylbenzene	11.81	105	645640	47.58	ug/l	98
85) sec-Butylbenzene	11.95	105	77825	4.97	ug/l	97
86) p-Isopropyltoluene	12.07	119	71893	5.11	ug/l	100
87) 1,3-Dichlorobenzene	12.10	146	88292	10.92	ug/l	88
88) 1,4-Dichlorobenzene	12.10	146	88292	10.61	ug/l #	83
89) n-Butylbenzene	12.39	91	161507	13.18	ug/l #	39
90) Hexachloroethane	12.59	117	19994	9.55	ug/l #	1
91) 1,2-Dichlorobenzene	12.40	146	258629	31.68	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.02	75	2306	2.14	ug/l #	8
93) 1,2,4-Trichlorobenzene	13.65	180	4481	0.75	ug/l #	66
95) Naphthalene	13.84	128	359293	22.71	ug/l	98
96) 1,2,3-Trichlorobenzene	14.02	180	1873	0.32	ug/l #	26

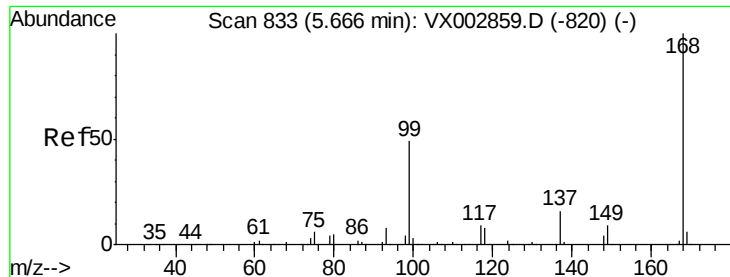
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX062718\
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.01 min

Lab File: VX002936.D

Acq: 27 Jun 2018 15:11

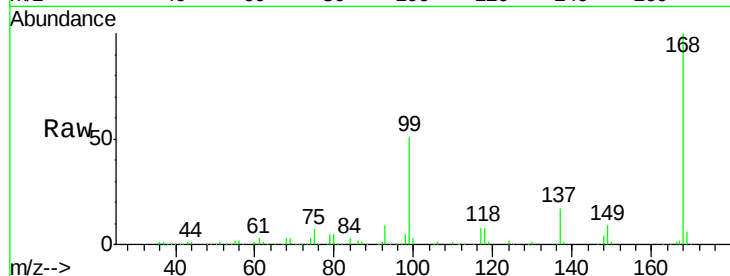
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 244166

Ion Ratio Lower Upper

168 100

99 50.9 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

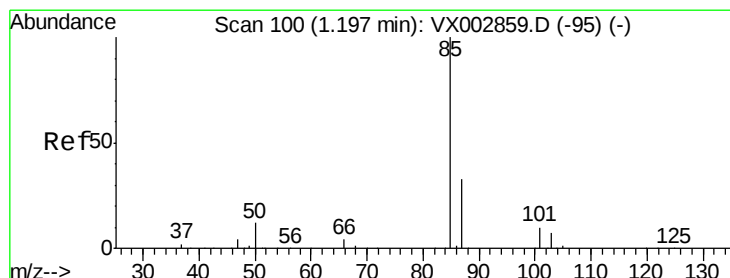
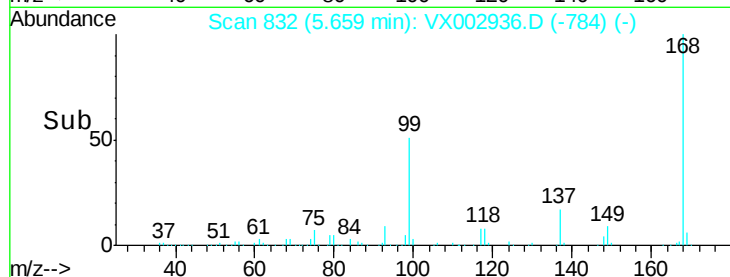
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002936.D

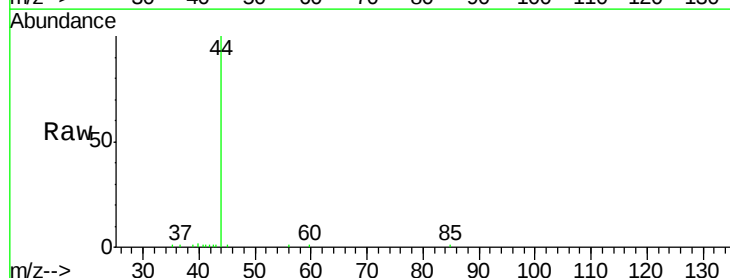
Acq: 27 Jun 2018 15:11

Tgt Ion: 85 Resp: 60

Ion Ratio Lower Upper

85 100

87 0.0 16.0 47.9#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

120

100

80

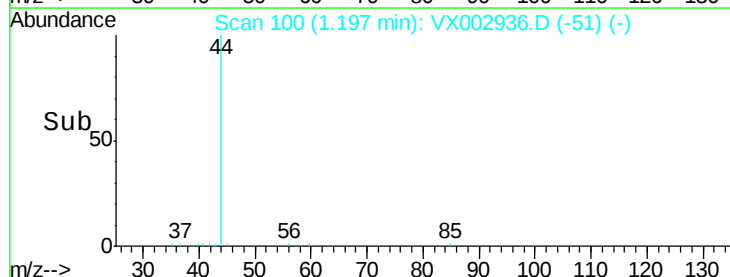
60

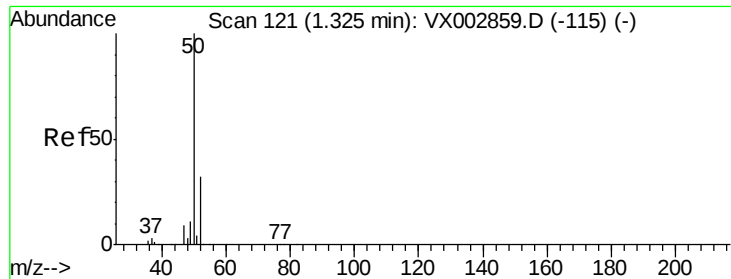
40

20

0

Time--> 1.18 1.20 1.22





#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002936.D

Acq: 27 Jun 2018 15:11

Instrument :

MSVOA_X

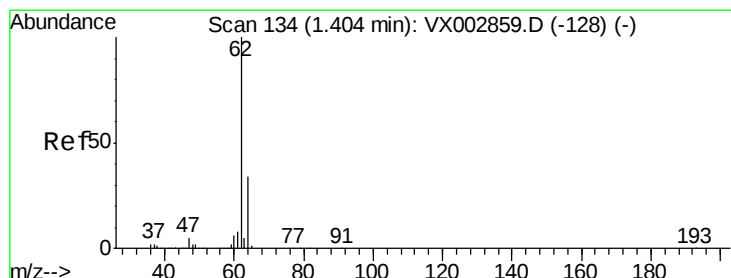
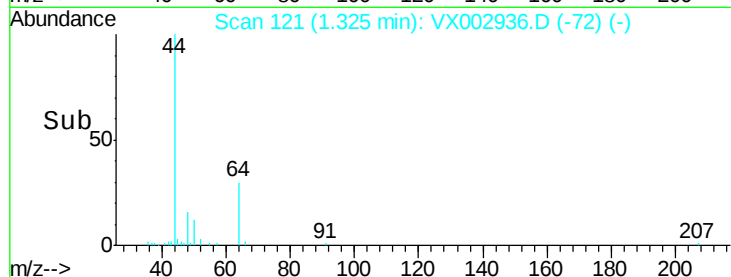
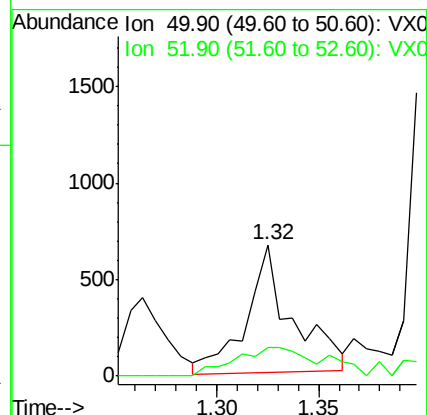
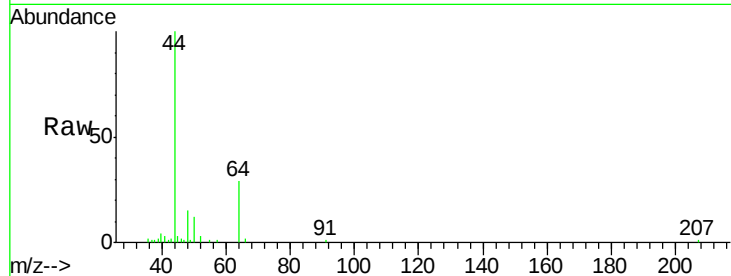
ClientSampleId :

Tot Ion: 50 Resp: 1029

Ion Ratio Lower Upper

50 100

52 24.3 25.7 38.5#



#4

Vinyl Chloride

Concen: 248.98 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX002936.D

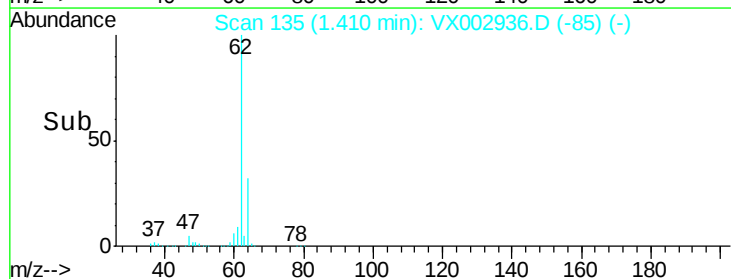
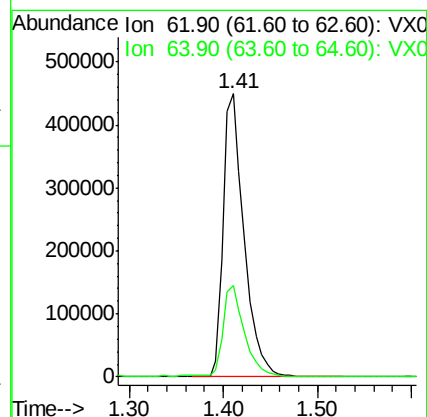
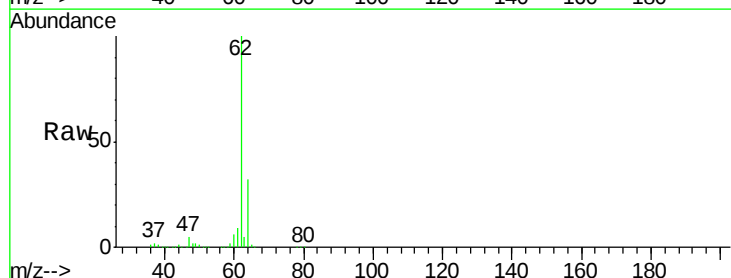
Acq: 27 Jun 2018 15:11

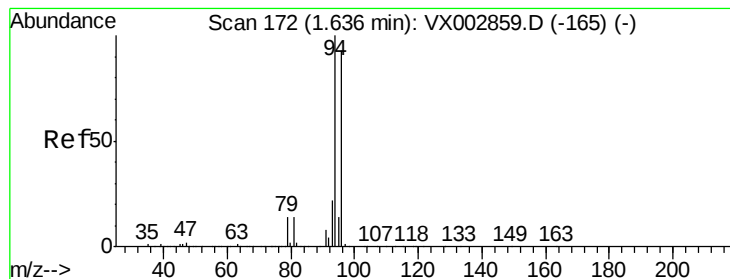
Tgt Ion: 62 Resp: 687496

Ion Ratio Lower Upper

62 100

64 32.4 25.4 38.2





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002936.D

Acq: 27 Jun 2018 15:11

Instrument :

MSVOA_X

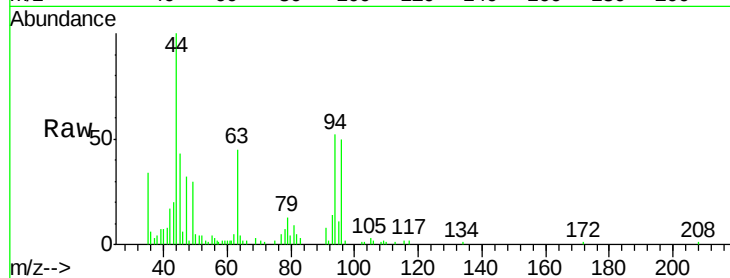
ClientSampled :

Tot Ion: 94 Resp: 2738

Ion Ratio Lower Upper

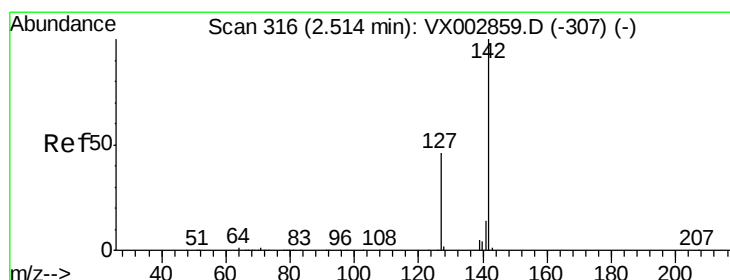
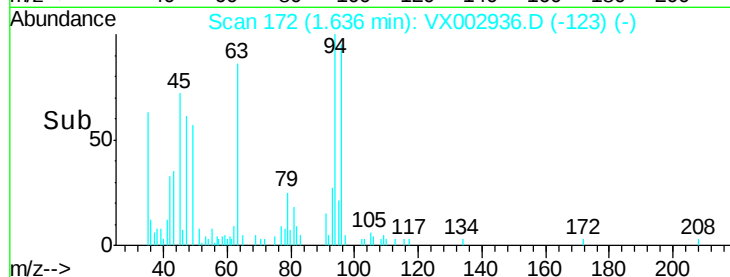
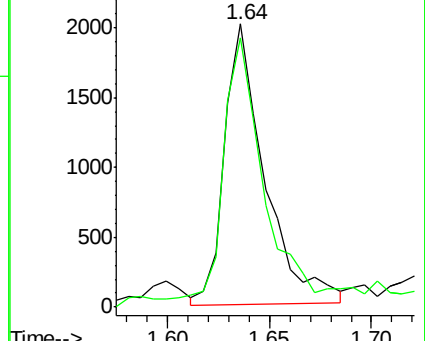
94 100

96 94.1 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 7.19 ug/l

RT: 2.49 min Scan# 312

Delta R.T. -0.02 min

Lab File: VX002936.D

Acq: 27 Jun 2018 15:11

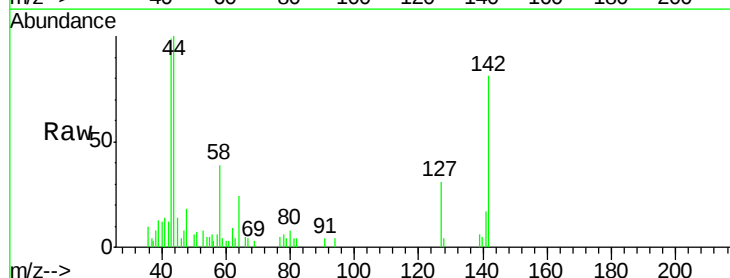
Tgt Ion:142 Resp: 3027

Ion Ratio Lower Upper

142 100

127 47.1 36.6 55.0

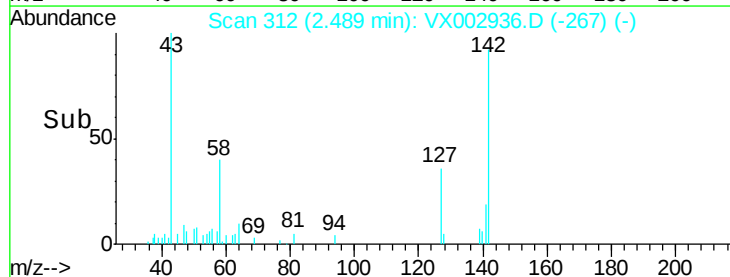
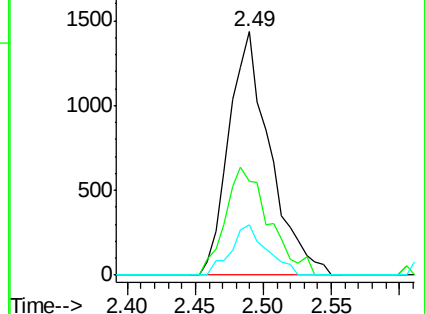
141 17.9 11.3 16.9#

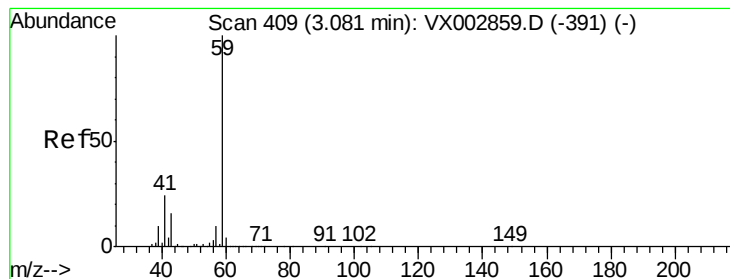


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



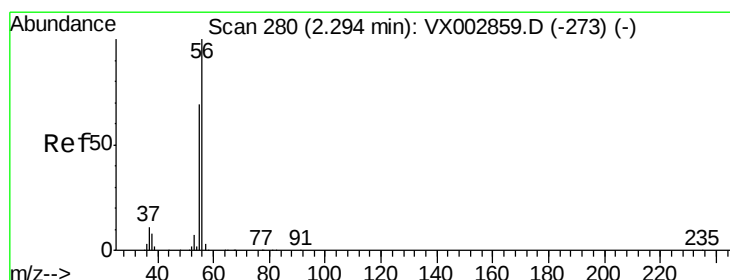
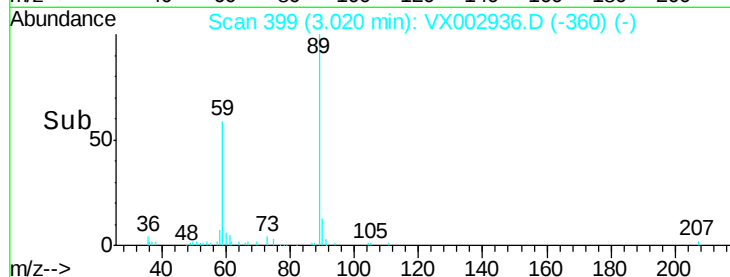
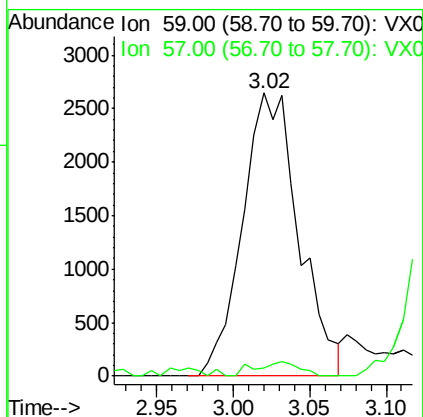
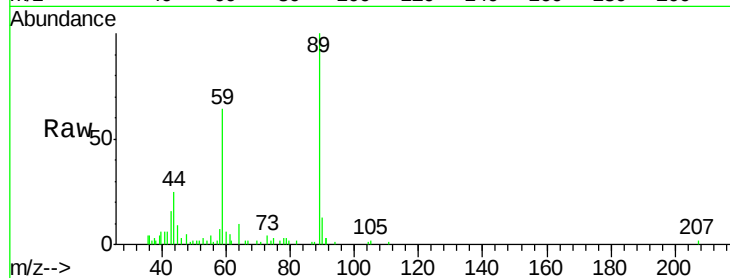


#11

Tert butyl alcohol
 Concen: 10.12 ug/l
 RT: 3.02 min Scan# 399
 Delta R.T. -0.06 min
 Lab File: VX002936.D
 Acq: 27 Jun 2018 15:11

Instrument :
 MSVOA_X
 ClientSampleId :

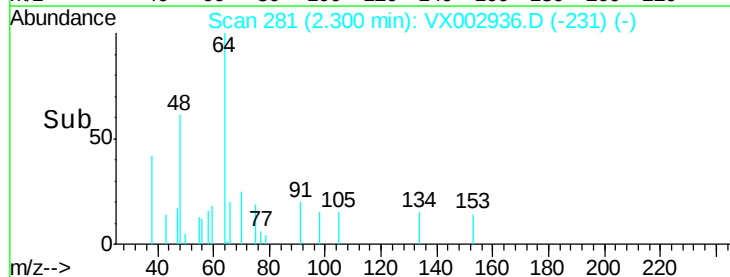
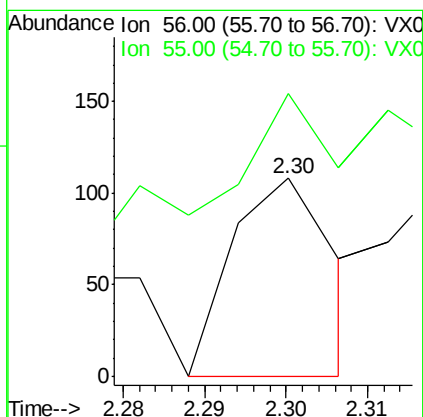
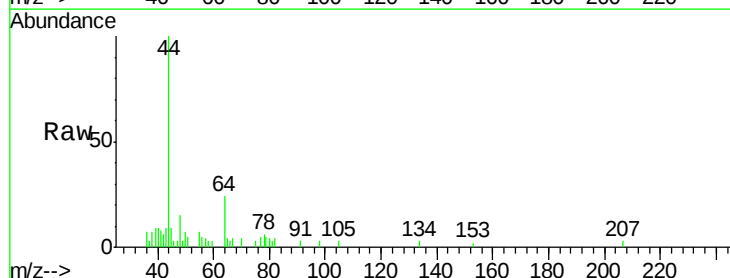
Tot Ion: 59 Resp: 6804
 Ion Ratio Lower Upper
 59 100
 57 3.9 8.2 12.2#

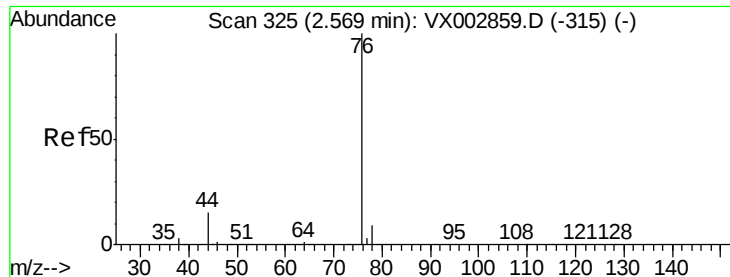


#13

Acrolein
 Concen: 4.48 ug/l
 RT: 2.30 min Scan# 281
 Delta R.T. 0.01 min
 Lab File: VX002936.D
 Acq: 27 Jun 2018 15:11

Tgt Ion: 56 Resp: 94
 Ion Ratio Lower Upper
 56 100
 55 89.4 57.0 85.4#

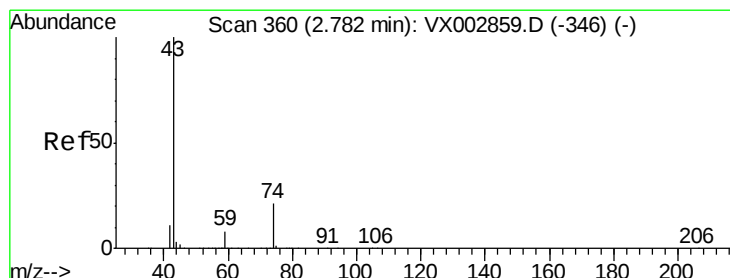
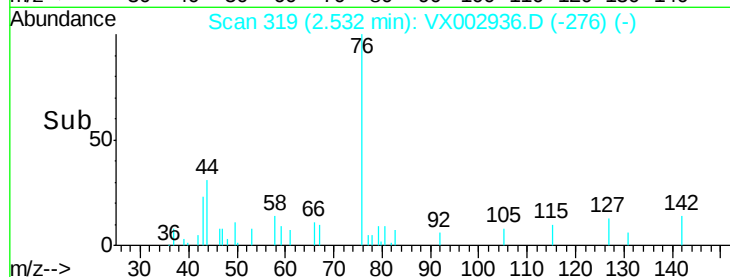
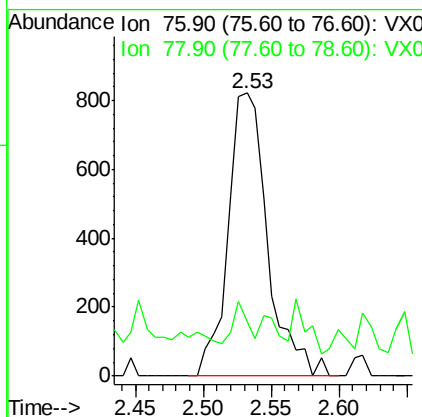
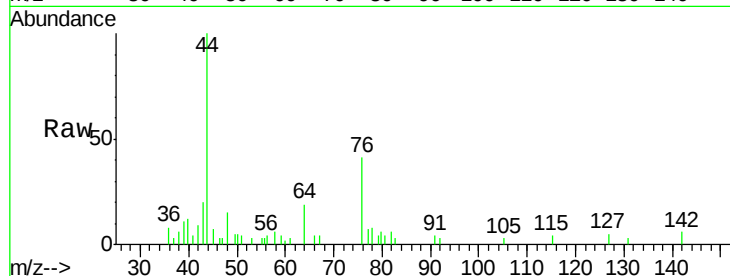




#17
Carbon Disulfide
Concen: 0.26 ug/l
RT: 2.53 min Scan# 319
Delta R.T. -0.04 min
Lab File: VX002936.D
Acq: 27 Jun 2018 15:11

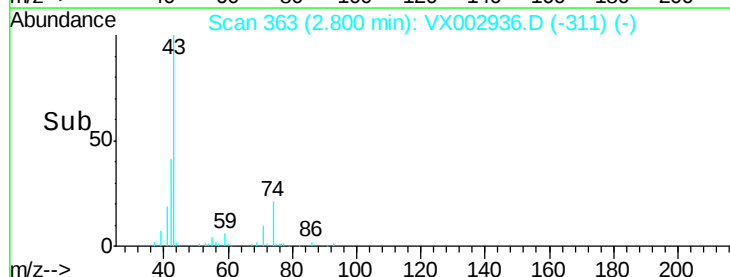
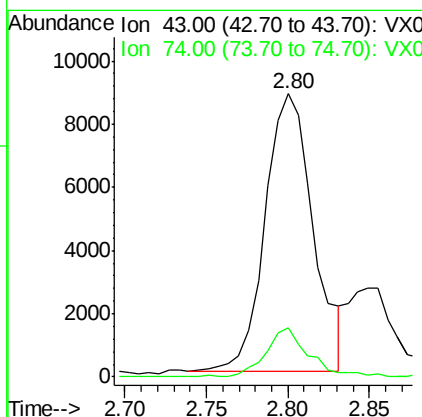
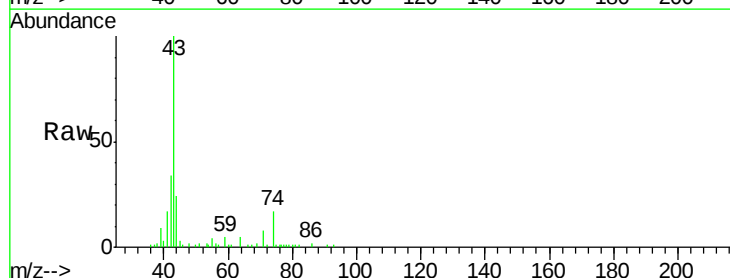
Instrument :
MSVOA_X
ClientSampleId :

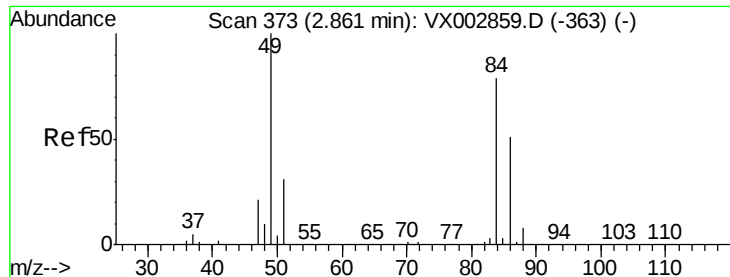
Tot Ion: 76 Resp: 1662
Ion Ratio Lower Upper
76 100
78 5.2 6.9 10.3#



#18
Methyl Acetate
Concen: 4.61 ug/l
RT: 2.80 min Scan# 363
Delta R.T. 0.02 min
Lab File: VX002936.D
Acq: 27 Jun 2018 15:11

Tgt Ion: 43 Resp: 18023
Ion Ratio Lower Upper
43 100
74 15.7 16.7 25.1#

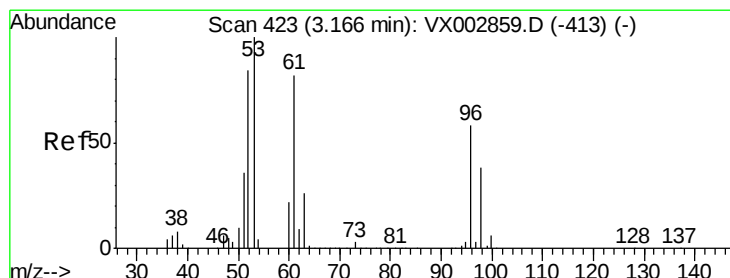
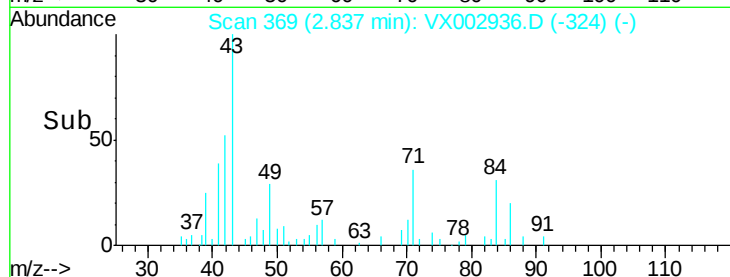
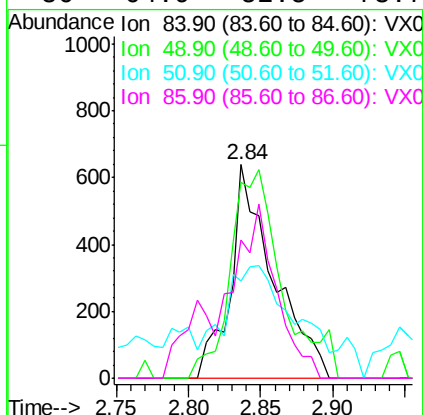
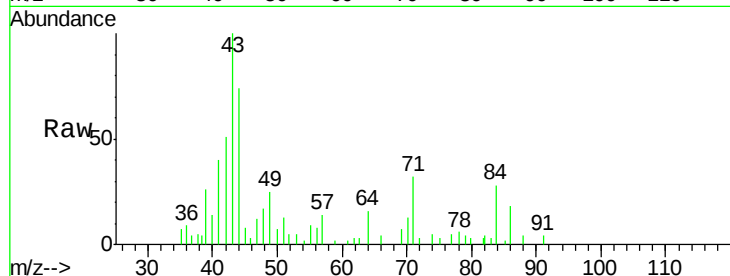




#20
Methvlene Chloride
Concen: 0.49 ug/l
RT: 2.84 min Scan# 369
Delta R.T. -0.02 min
Lab File: VX002936.D
Acq: 27 Jun 2018 15:11

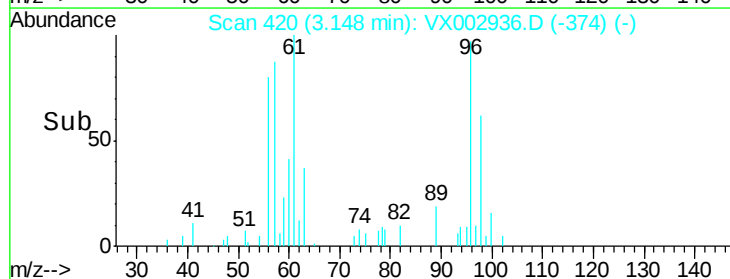
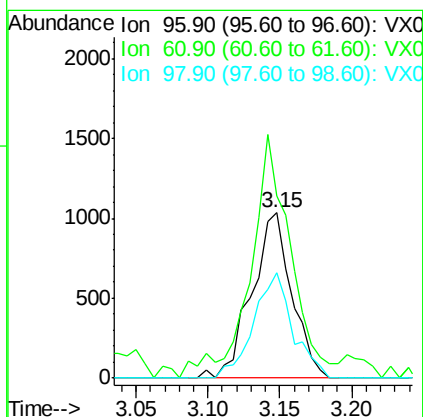
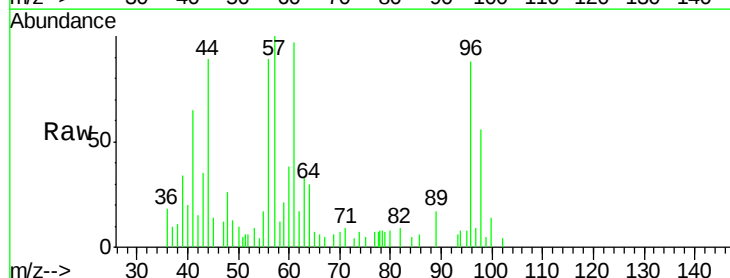
Instrument :
MSVOA_X
ClientSampleId :

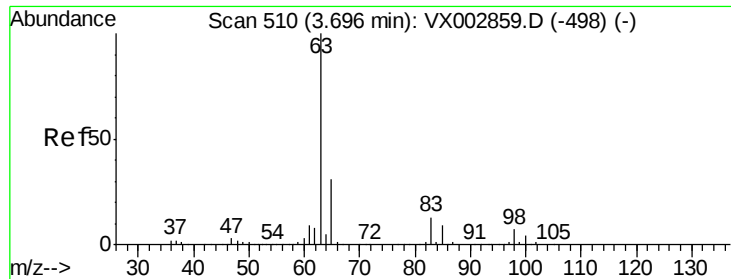
Tot Ion	84	Resp	1335
Ion	Ratio	Lower	Upper
84	100		
49	91.9	107.8	161.6#
51	32.1	32.8	49.2#
86	64.9	52.5	78.7



#21
trans-1,2-Dichloroethene
Concen: 0.76 ug/l
RT: 3.15 min Scan# 420
Delta R.T. -0.02 min
Lab File: VX002936.D
Acq: 27 Jun 2018 15:11

Tgt Ion	96	Resp	2001
Ion	Ratio	Lower	Upper
96	100		
61	101.4	117.0	175.4#
98	63.4	52.4	78.6





#24

1,1-Dichloroethane

Concen: 3.45 ug/l

RT: 3.68 min Scan# 508

Delta R.T. -0.01 min

Lab File: VX002936.D

Acq: 27 Jun 2018 15:11

Instrument :

MSVOA_X

ClientSampleId :

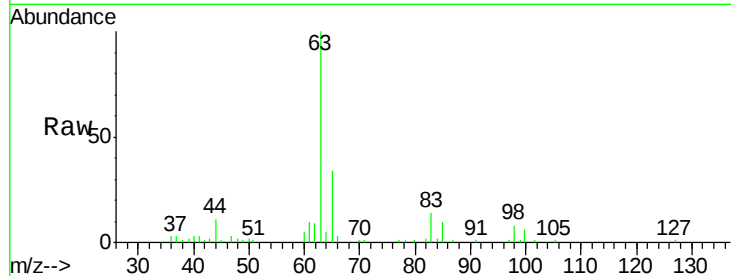
Tot Ion: 63 Resp: 17008

Ion Ratio Lower Upper

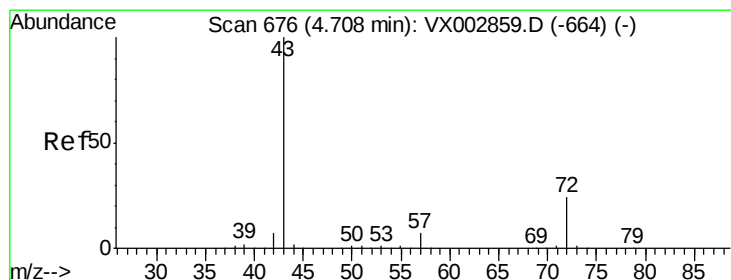
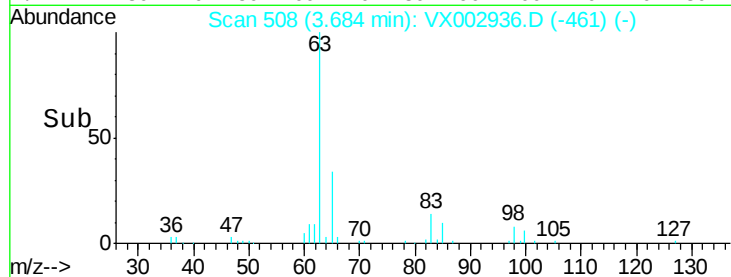
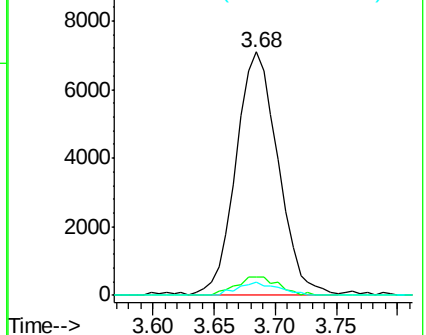
63 100

98 7.8 3.4 10.2

100 5.6 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VX0
Ion 97.90 (97.60 to 98.60): VX0
Ion 99.90 (99.60 to 100.60): VX0



#25

2-Butanone

Concen: 1.76 ug/l

RT: 4.74 min Scan# 682

Delta R.T. 0.04 min

Lab File: VX002936.D

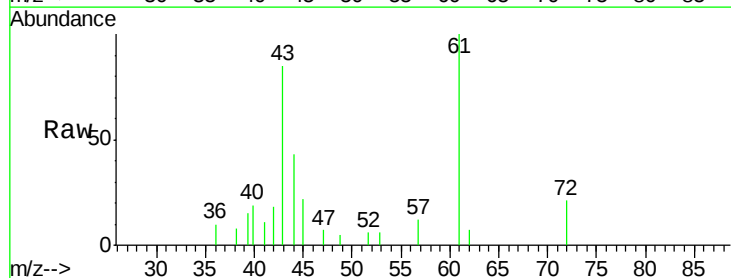
Acq: 27 Jun 2018 15:11

Tgt Ion: 43 Resp: 3652

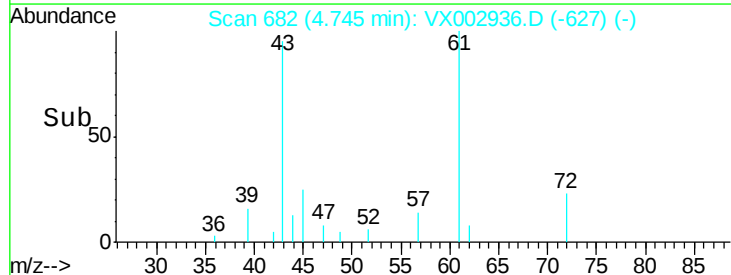
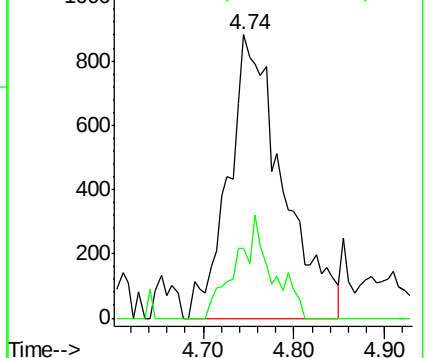
Ion Ratio Lower Upper

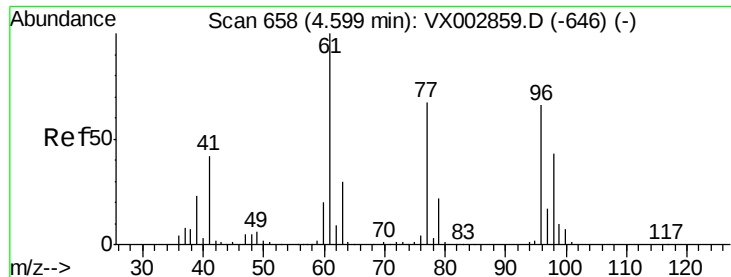
43 100

72 24.7 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0





#27

cis-1,2-Dichloroethene

Concen: 0.53 ug/l

RT: 4.59 min Scan# 657

Delta R.T. -0.01 min

Lab File: VX002936.D

Acq: 27 Jun 2018 15:11

Instrument :

MSVOA_X

ClientSampled :

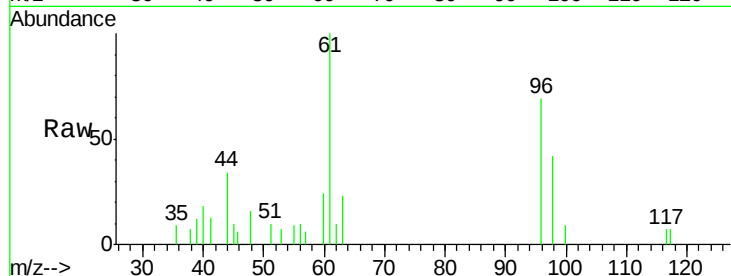
Tot Ion: 96 Resp: 1551

Ion Ratio Lower Upper

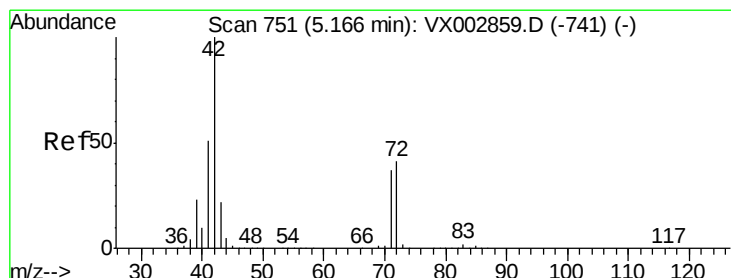
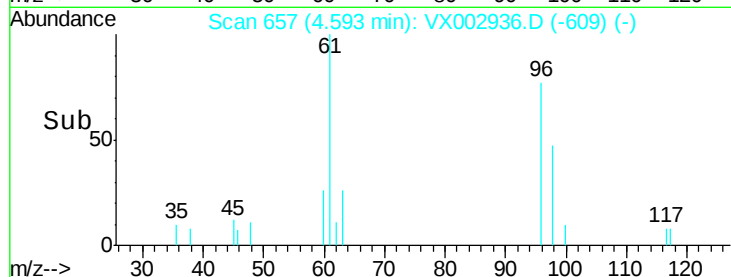
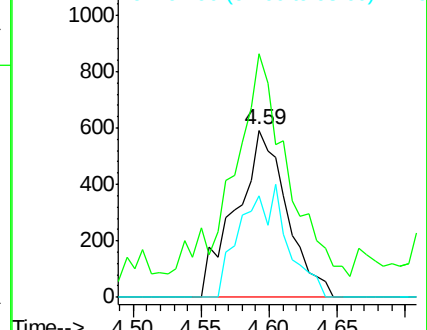
96 100

61 137.6 0.0 330.2

98 61.1 0.0 130.2



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



#29

Tetrahydrofuran

Concen: 8.38 ug/l

RT: 5.20 min Scan# 756

Delta R.T. 0.03 min

Lab File: VX002936.D

Acq: 27 Jun 2018 15:11

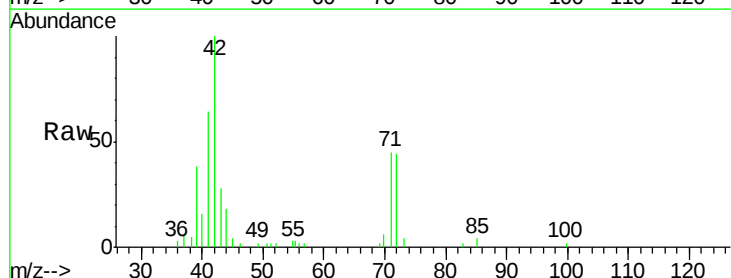
Tgt Ion: 42 Resp: 11145

Ion Ratio Lower Upper

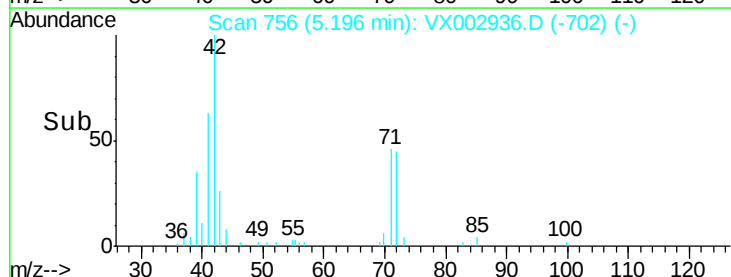
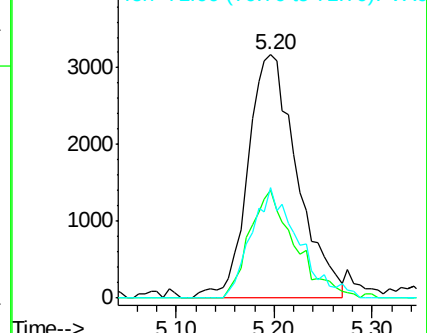
42 100

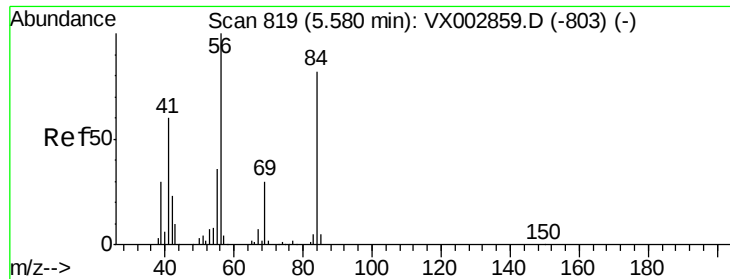
72 41.0 32.0 48.0

71 43.3 30.1 45.1



Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0

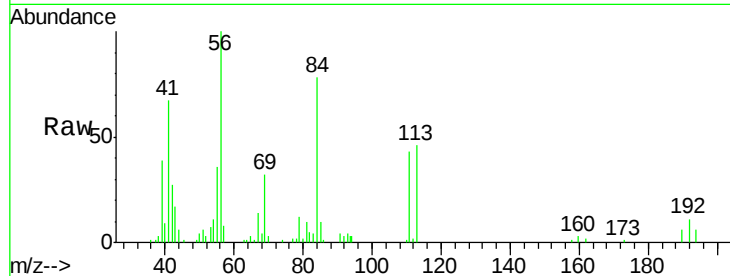




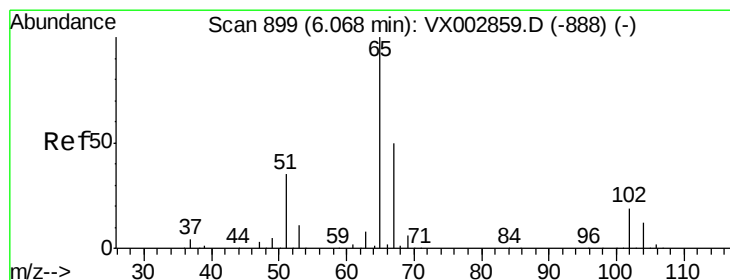
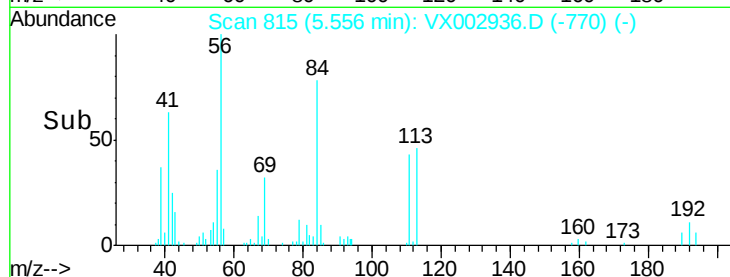
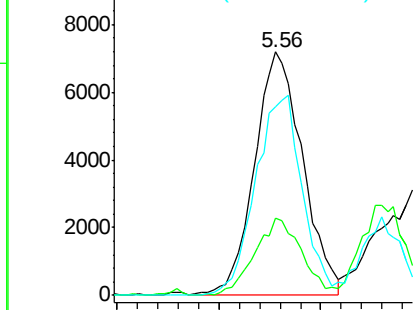
#31
Cyclohexane
Concen: 5.57 ug/l
RT: 5.56 min Scan# 815
Delta R.T. -0.02 min
Lab File: VX002936.D
Acq: 27 Jun 2018 15:11

Instrument :
MSVOA_X
ClientSampled :

Tot Ion	56	Resp	23567
Ion Ratio	Lower	Upper	
56	100		
69	31.9	23.7	35.5
84	77.5	64.1	96.1

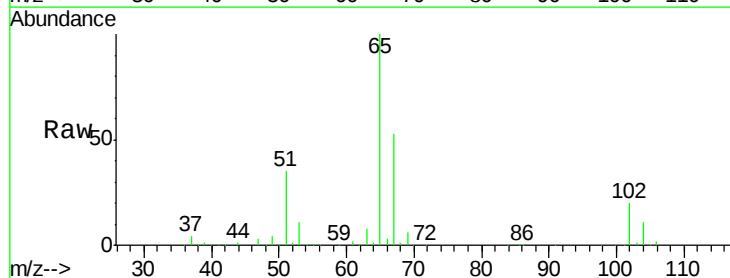


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

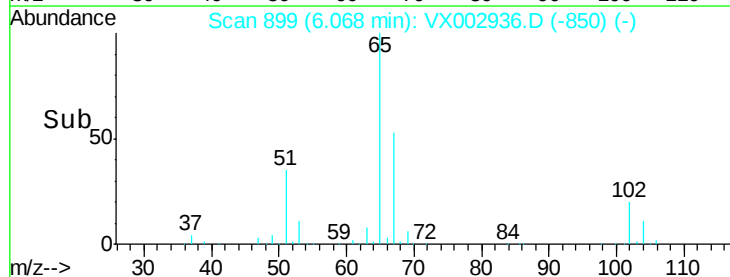
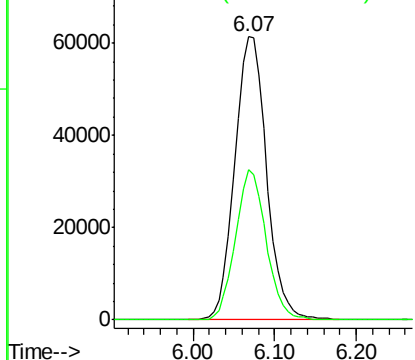


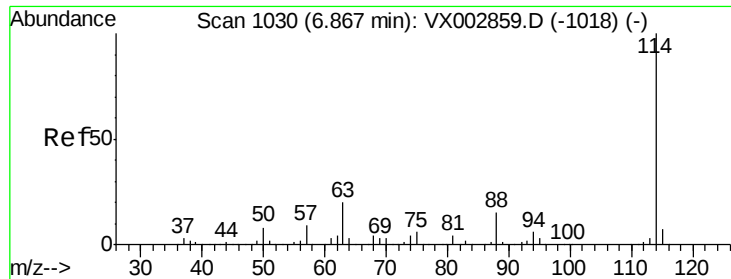
#33
1,2-Dichloroethane-d4
Concen: 49.10 ug/l
RT: 6.07 min Scan# 899
Delta R.T. 0.00 min
Lab File: VX002936.D
Acq: 27 Jun 2018 15:11

Tgt Ion	65	Resp	165700
Ion Ratio	Lower	Upper	
65	100		
67	51.4	0.0	102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

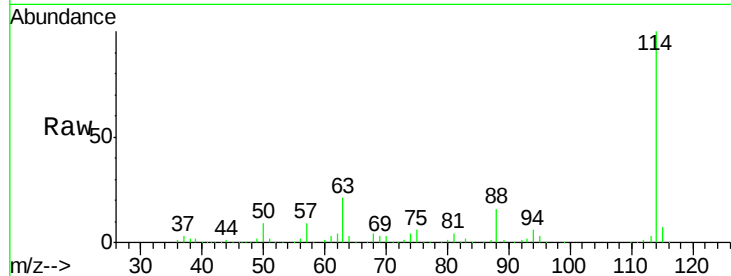




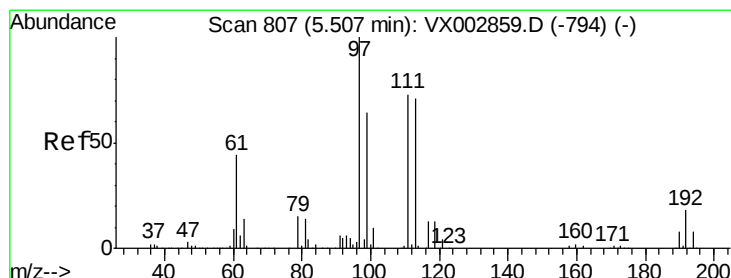
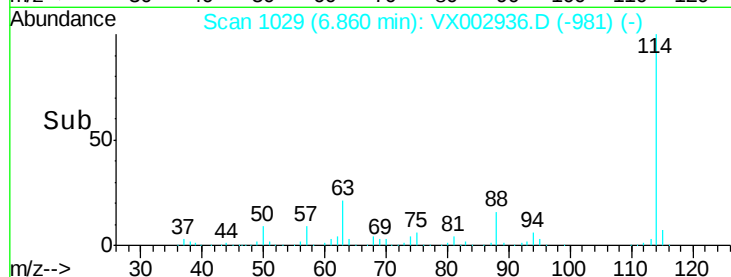
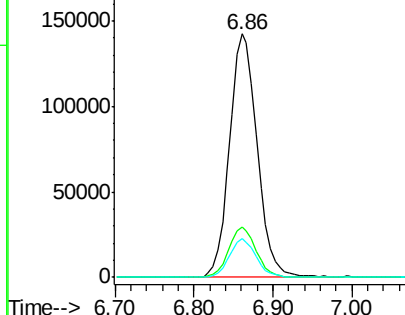
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX002936.D
 Acq: 27 Jun 2018 15:11

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:114 Resp: 347055
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 41.4
 88 15.8 0.0 30.0

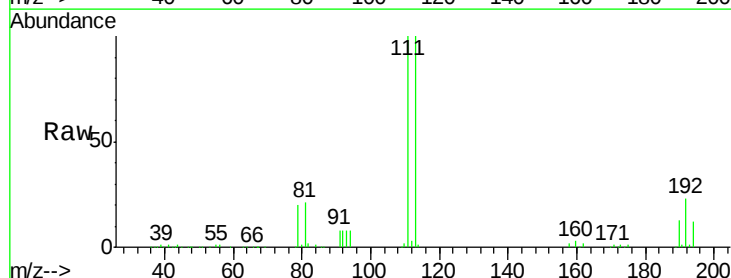


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX
 Ion 87.90 (87.60 to 88.60): VX

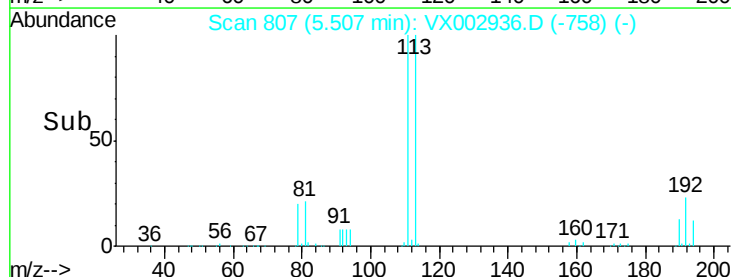
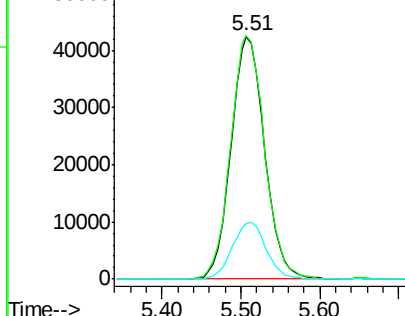


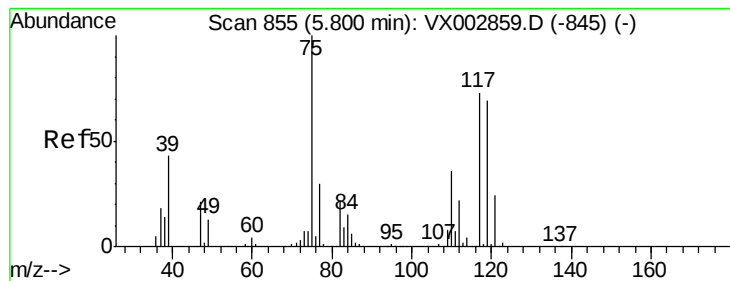
#35
 Dibromofluoromethane
 Concen: 45.62 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: VX002936.D
 Acq: 27 Jun 2018 15:11

Tgt Ion:113 Resp: 125376
 Ion Ratio Lower Upper
 113 100
 111 101.6 81.4 122.0
 192 23.7 19.1 28.7



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.53 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.14 min

Lab File: VX002936.D

Acq: 27 Jun 2018 15:11

Instrument :

MSVOA_X

ClientSampleId :

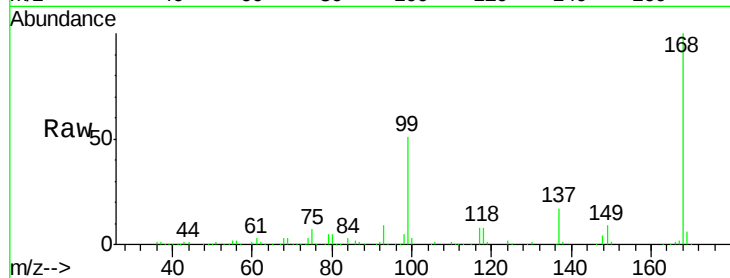
Tot Ion: 75 Resp: 17242

Ion Ratio Lower Upper

75 100

110 9.6 18.1 54.4#

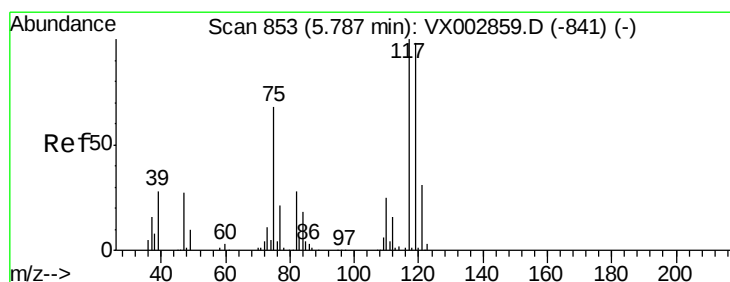
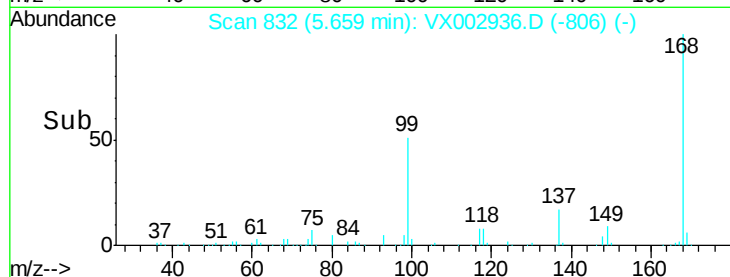
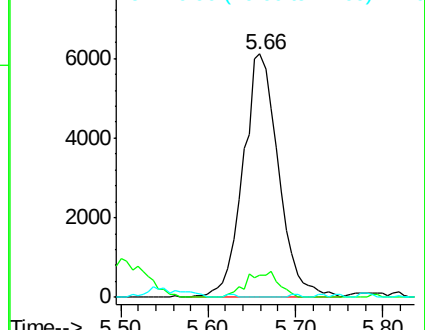
77 0.0 24.3 36.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 5.27 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX002936.D

Acq: 27 Jun 2018 15:11

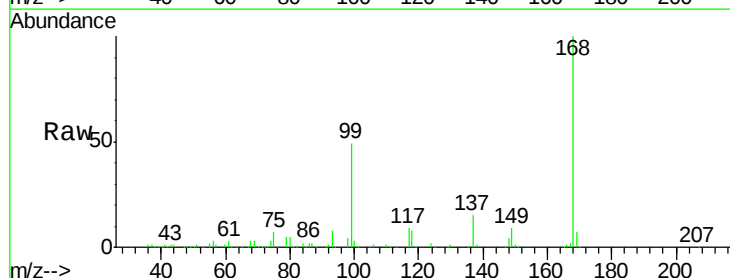
Tgt Ion: 117 Resp: 22004

Ion Ratio Lower Upper

117 100

119 4.8 77.4 116.0#

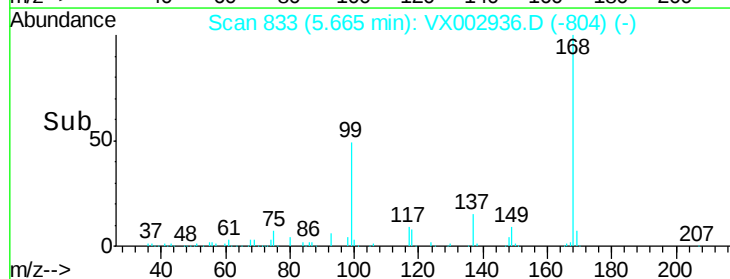
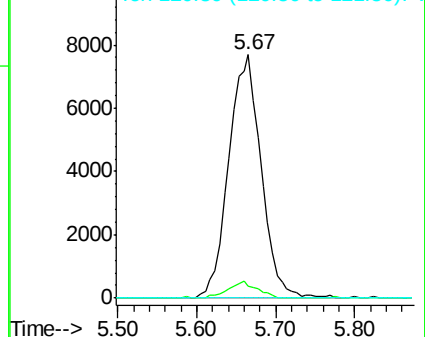
121 0.0 24.4 36.6#

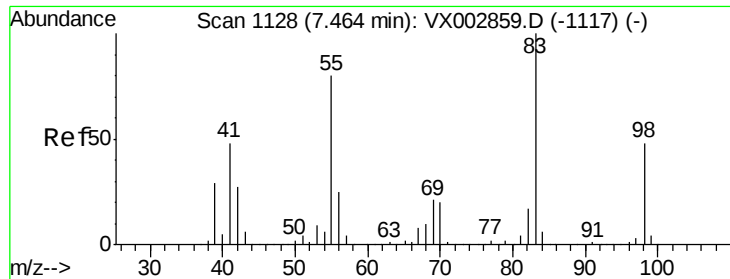


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

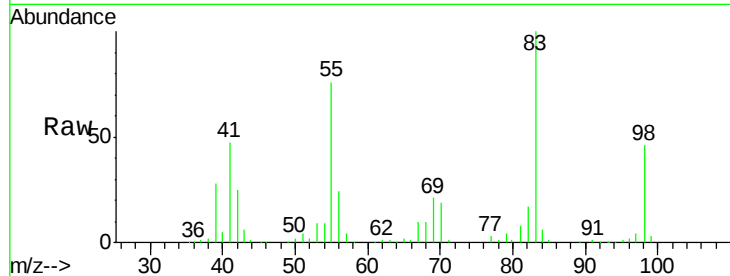




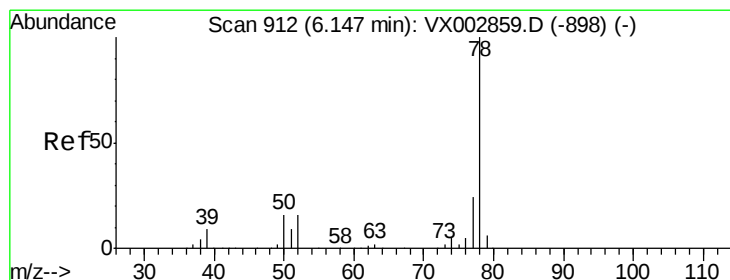
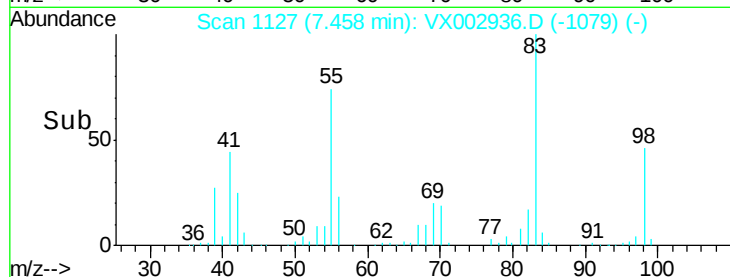
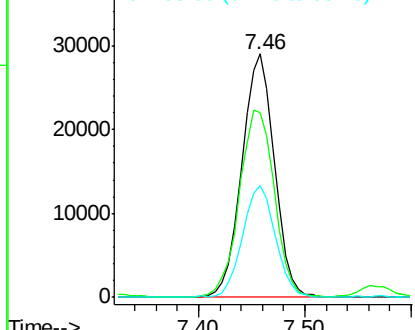
#39
Methvlcvclohexane
Concen: 14.09 ug/l
RT: 7.46 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VX002936.D
Acq: 27 Jun 2018 15:11

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 83 Resp: 62477
Ion Ratio Lower Upper
83 100
55 75.5 65.4 98.0
98 46.2 37.4 56.0

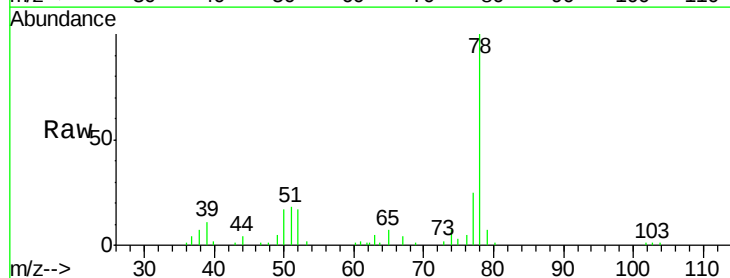


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

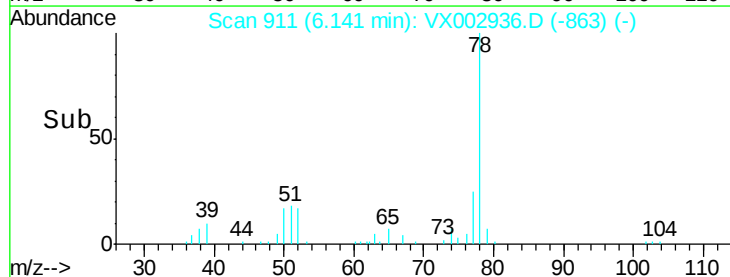
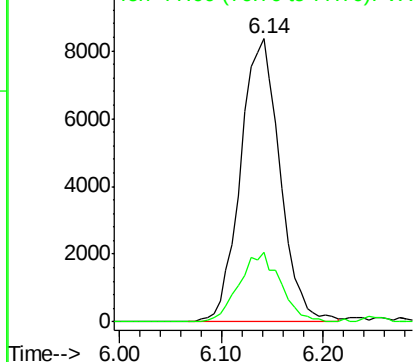


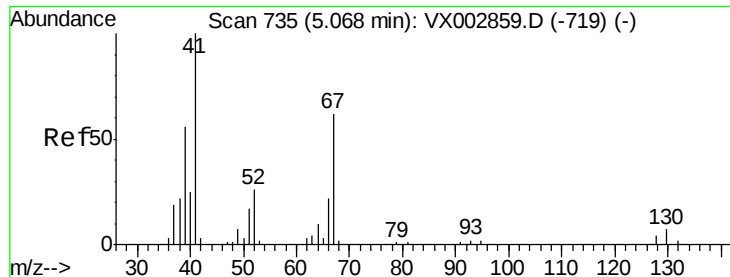
#40
Benzene
Concen: 2.03 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.01 min
Lab File: VX002936.D
Acq: 27 Jun 2018 15:11

Tgt Ion: 78 Resp: 22460
Ion Ratio Lower Upper
78 100
77 24.8 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0





#41

Methacrylonitrile

Concen: 2.79 ug/l

RT: 5.20 min Scan# 757

Delta R.T. 0.13 min

Lab File: VX002936.D

Acq: 27 Jun 2018 15:11

Instrument :

MSVOA_X

ClientSampled :

Tot Ion: 41 Resp: 6586

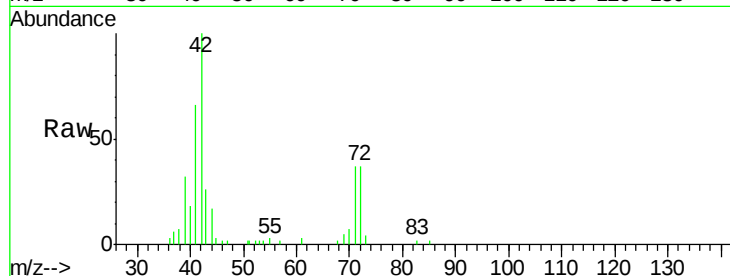
Ion Ratio Lower Upper

41 100

39 48.1 45.8 68.6

67 0.0 51.3 76.9#

52 0.7 23.0 34.6#

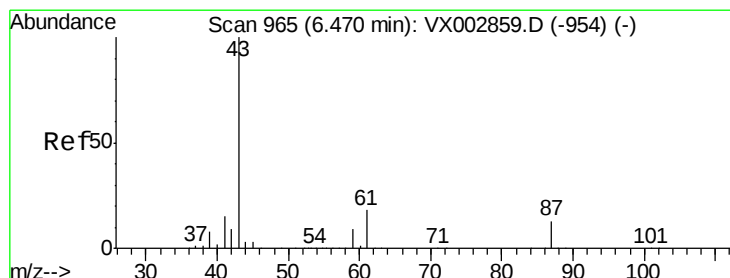
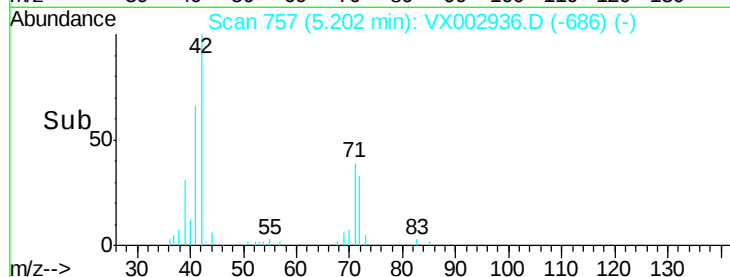
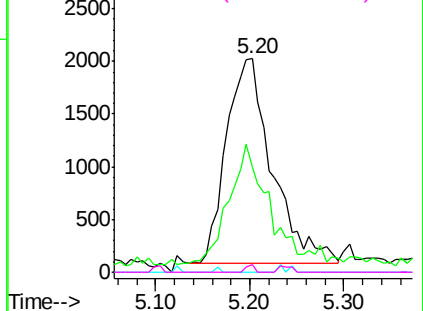


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 0.28 ug/l

RT: 6.49 min Scan# 969

Delta R.T. 0.02 min

Lab File: VX002936.D

Acq: 27 Jun 2018 15:11

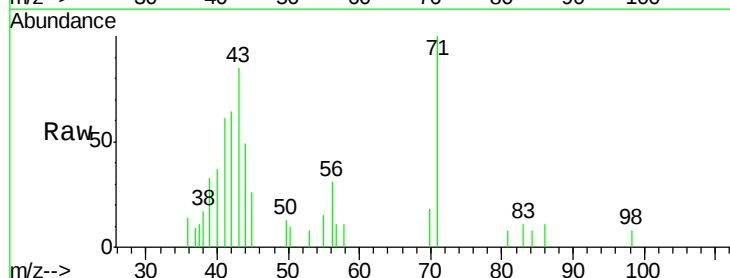
Tgt Ion: 43 Resp: 1899

Ion Ratio Lower Upper

43 100

61 0.0 14.4 21.6#

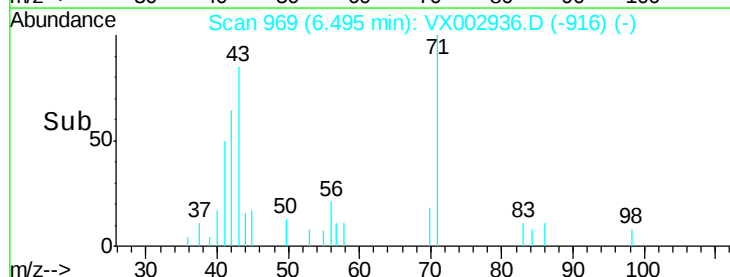
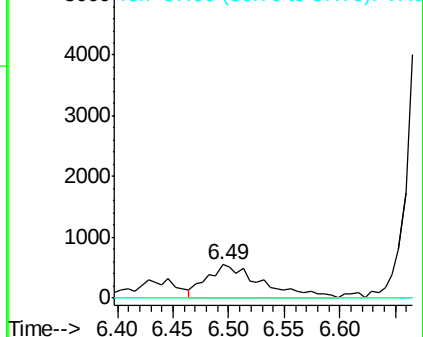
87 0.0 9.5 14.3#

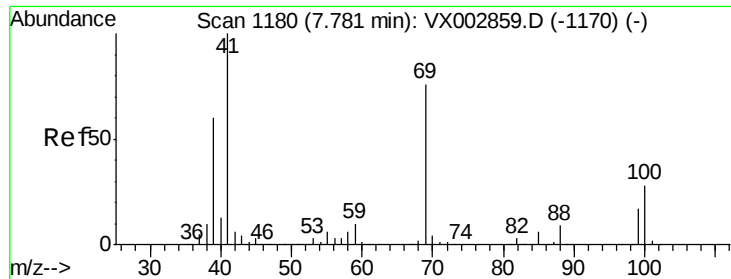


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

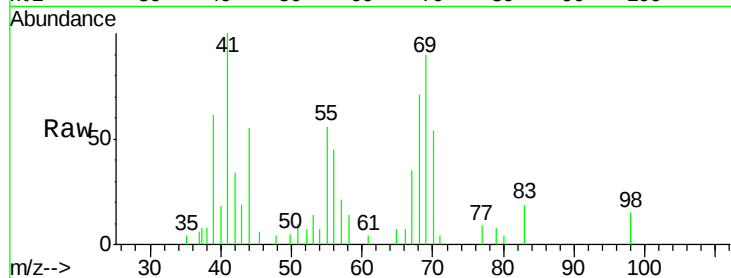




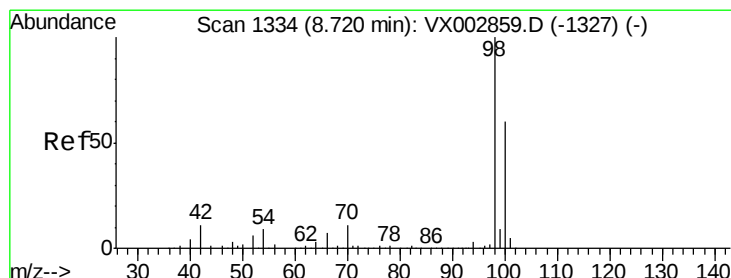
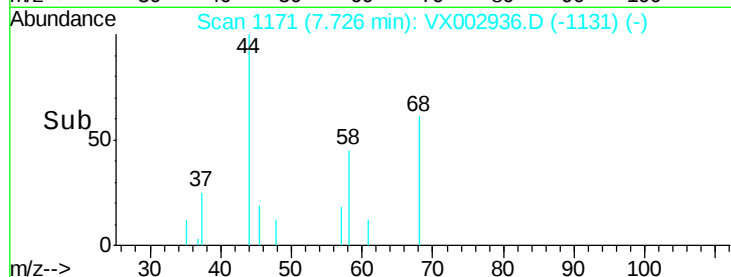
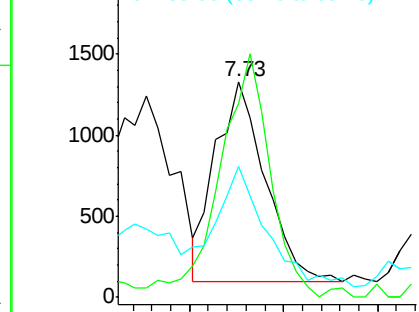
#48
Methyl methacrylate
Concen: 0.64 ug/l
RT: 7.73 min Scan# 1171
Delta R.T. -0.05 min
Lab File: VX002936.D
Acq: 27 Jun 2018 15:11

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 41 Resp: 2274
Ion Ratio Lower Upper
41 100
69 122.7 59.1 88.7#
39 59.6 48.9 73.3

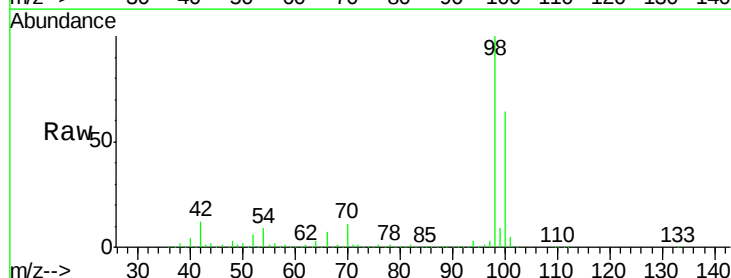


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0

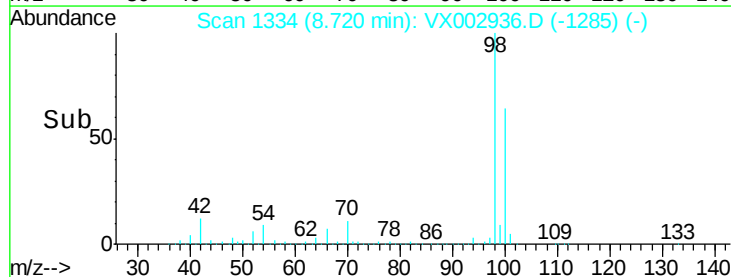
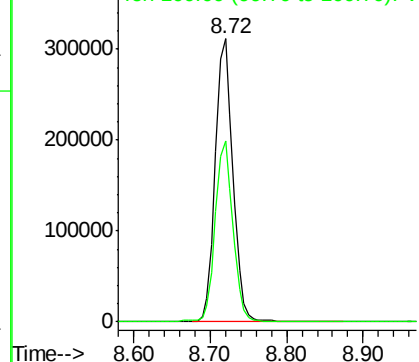


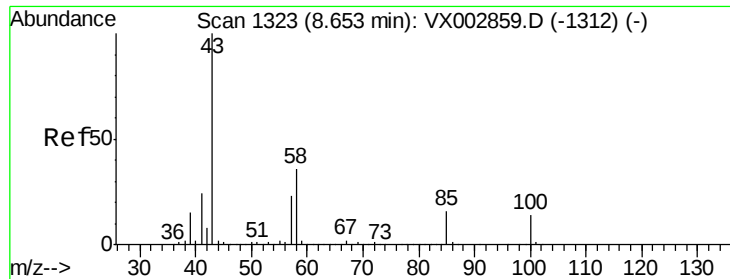
#50
Toluene-d8
Concen: 49.71 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002936.D
Acq: 27 Jun 2018 15:11

Tgt Ion: 98 Resp: 498875
Ion Ratio Lower Upper
98 100
100 64.6 50.9 76.3



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





#51

4-Methyl-2-Pentanone

Concen: 8.18 ug/l

RT: 8.67 min Scan# 1326

Delta R.T. 0.02 min

Lab File: VX002936.D

Acq: 27 Jun 2018 15:11

Instrument :

MSVOA_X

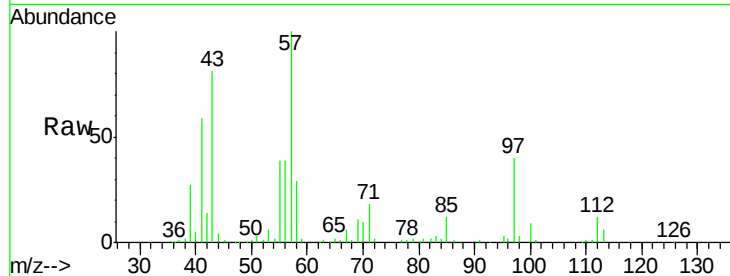
ClientSampleId :

Tot Ion: 43 Resp: 35176

Ion Ratio Lower Upper

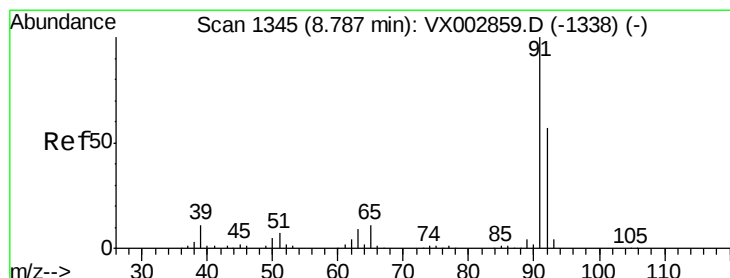
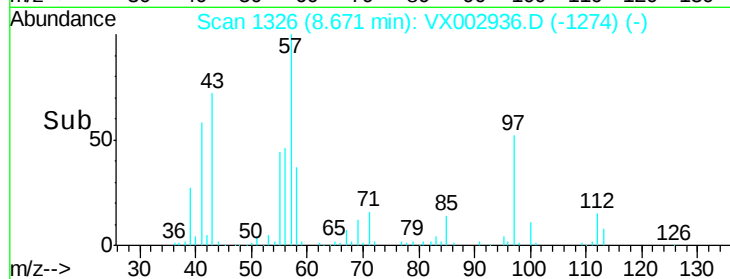
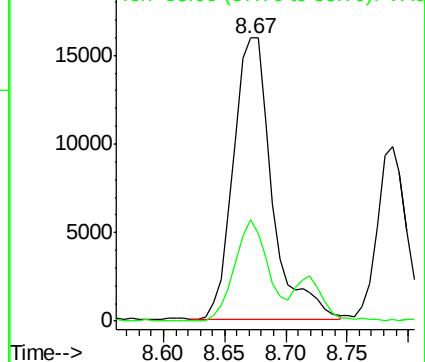
43 100

58 31.2 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 176.06 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX002936.D

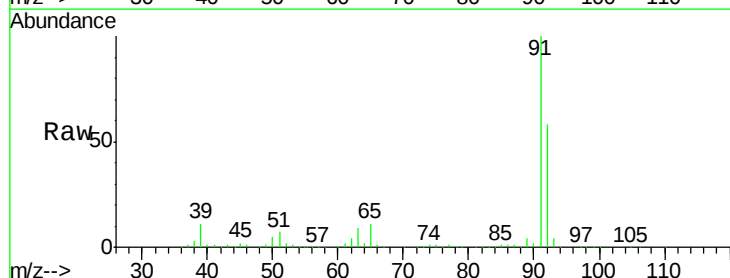
Acq: 27 Jun 2018 15:11

Tgt Ion: 92 Resp: 1247260

Ion Ratio Lower Upper

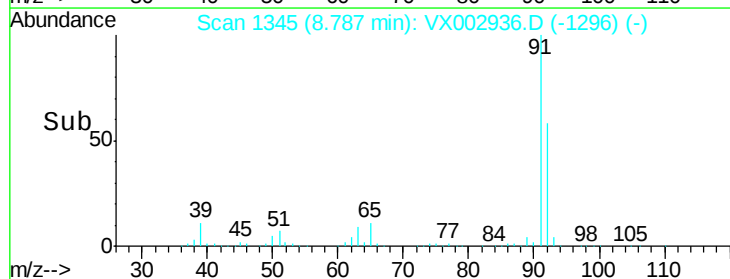
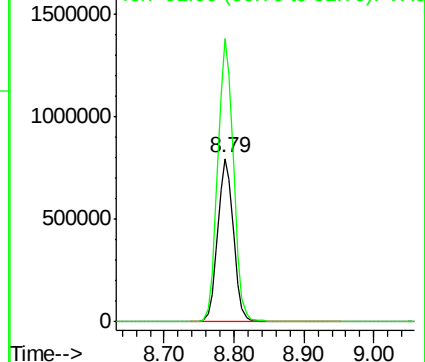
92 100

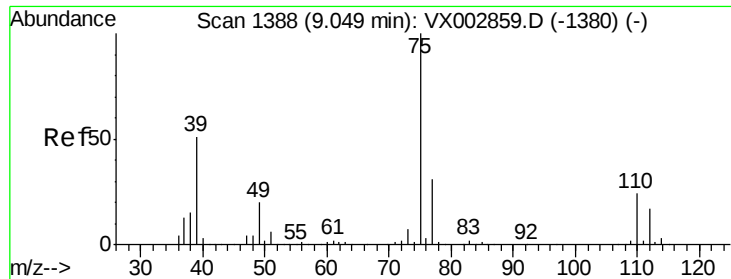
91 173.9 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

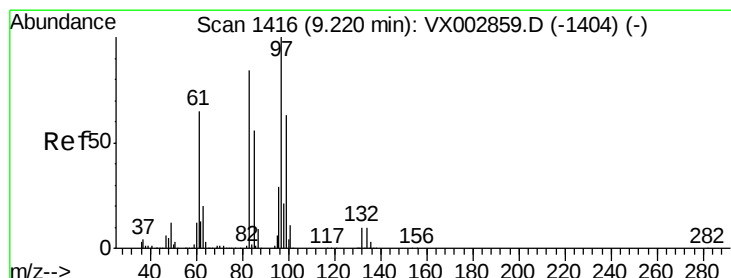
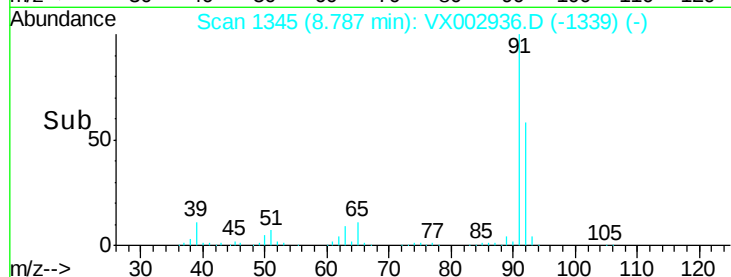
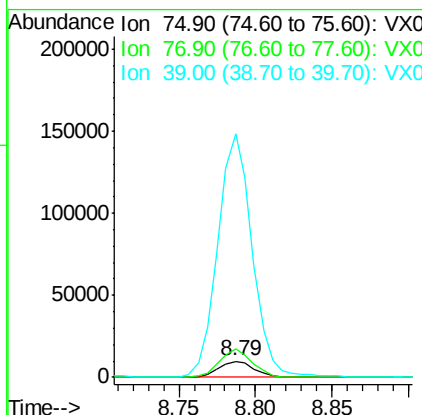
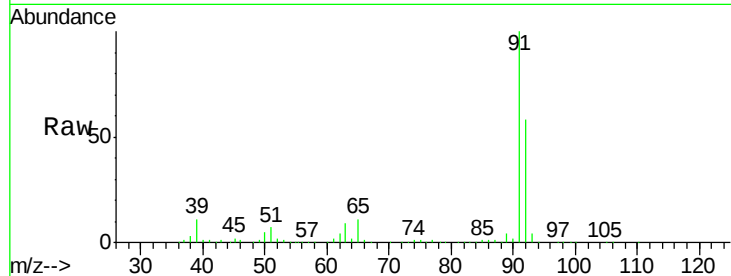




#54
 cis-1,3-Dichloropropene
 Concen: 3.83 ug/l
 RT: 8.79 min Scan# 1345
 Delta R.T. -0.26 min
 Lab File: VX002936.D
 Acq: 27 Jun 2018 15:11

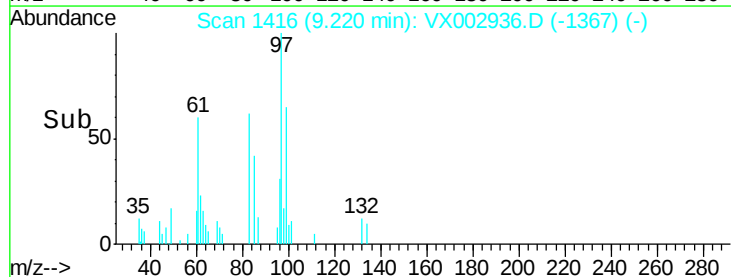
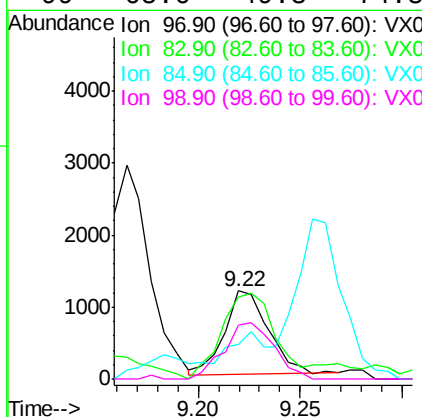
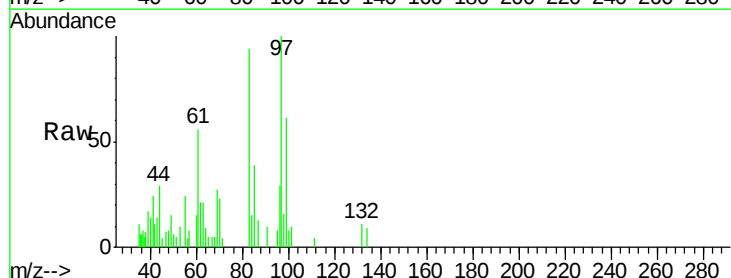
Instrument :
 MSVOA_X
 ClientSampleId :

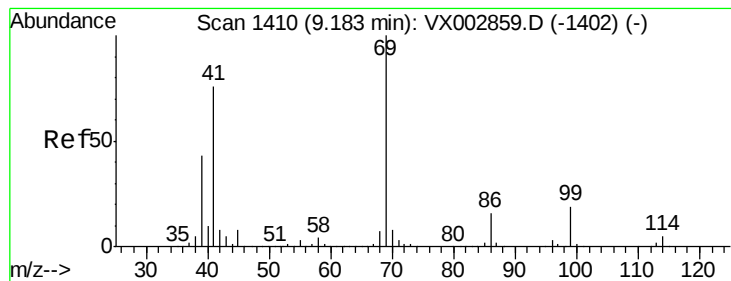
Tot Ion: 75 Resp: 15724
 Ion Ratio Lower Upper
 75 100
 77 173.1 24.8 37.2#
 39 1508.4 42.4 63.6#



#55
 1,1,2-Trichloroethane
 Concen: 0.59 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX002936.D
 Acq: 27 Jun 2018 15:11

Tgt Ion: 97 Resp: 1730
 Ion Ratio Lower Upper
 97 100
 83 101.7 70.2 105.2
 85 23.1 44.9 67.3#
 99 65.6 49.8 74.8





#56

Ethyl methacrylate

Concen: 0.23 ug/l

RT: 9.16 min Scan# 1406

Delta R.T. -0.02 min

Lab File: VX002936.D

Acq: 27 Jun 2018 15:11

Instrument :
MSVOA_X
ClientSampled :

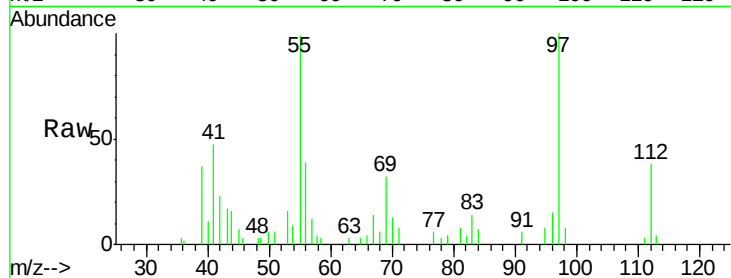
Tot Ion: 69 Resp: 971

Ion Ratio Lower Upper

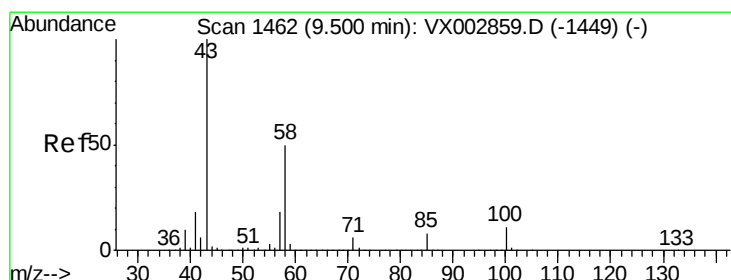
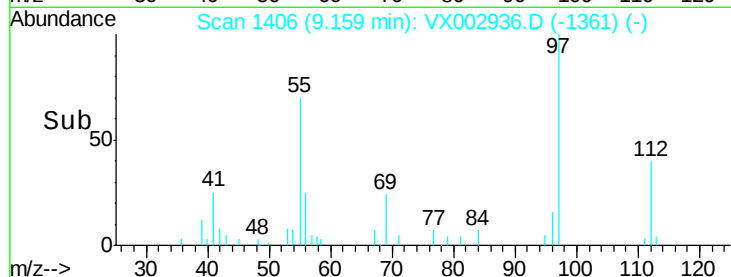
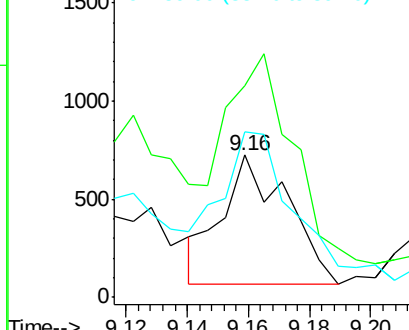
69 100

41 160.6 60.3 90.5#

39 130.5 35.8 53.8#



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



#59

2-Hexanone

Concen: 11.38 ug/l

RT: 9.45 min Scan# 1453

Delta R.T. -0.05 min

Lab File: VX002936.D

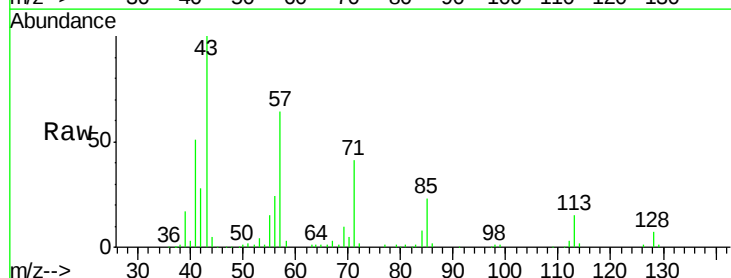
Acq: 27 Jun 2018 15:11

Tgt Ion: 43 Resp: 37203

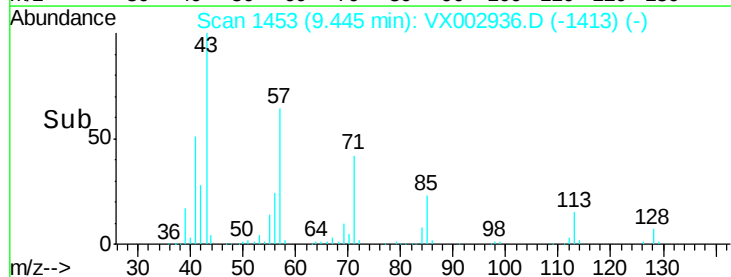
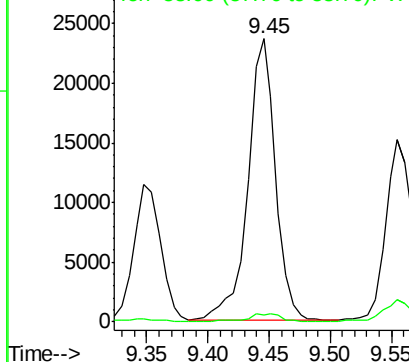
Ion Ratio Lower Upper

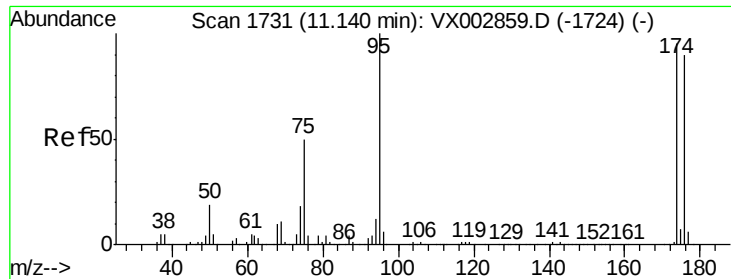
43 100

58 3.8 24.6 73.6#



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





#62

4-Bromofluorobenzene

Concen: 55.91 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.01 min

Lab File: VX002936.D

Acq: 27 Jun 2018 15:11

Instrument :

MSVOA_X

ClientSampleId :

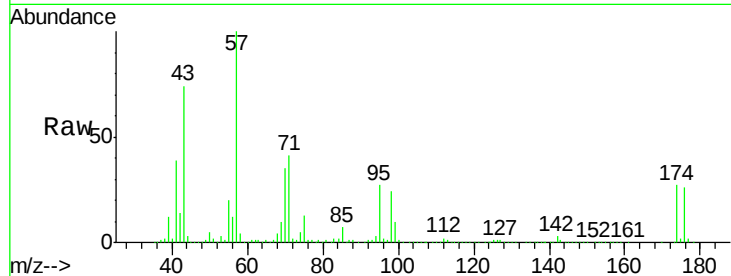
Tot Ion: 95 Resp: 216401

Ion Ratio Lower Upper

95 100

174 89.5 0.0 187.4

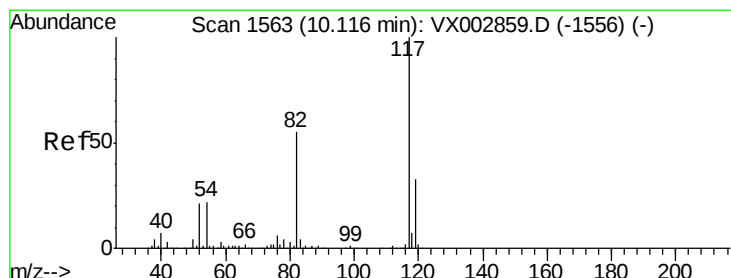
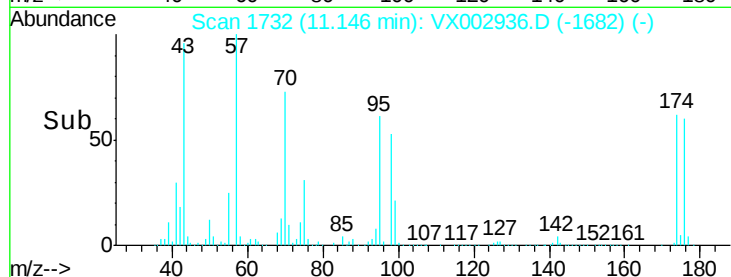
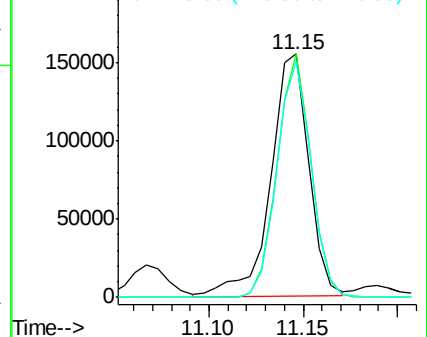
176 87.2 0.0 181.0



Abundance Ion 94.90 (94.60 to 95.60): VX002859.D (-1724) (-)

Ion 173.80 (173.50 to 174.50): VX002859.D (-1724) (-)

Ion 175.80 (175.50 to 176.50): VX002859.D (-1724) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX002936.D

Acq: 27 Jun 2018 15:11

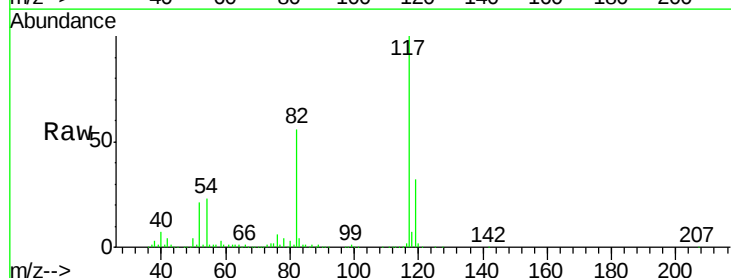
Tgt Ion: 117 Resp: 340335

Ion Ratio Lower Upper

117 100

82 55.5 45.0 67.4

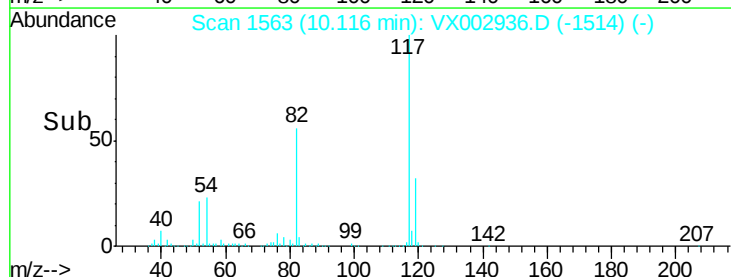
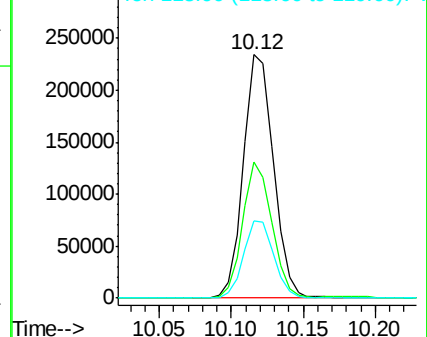
119 31.7 25.8 38.6

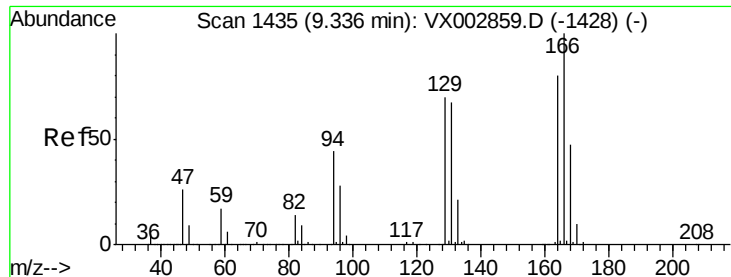


Abundance Ion 116.90 (116.60 to 117.60): VX002859.D (-1556) (-)

Ion 82.00 (81.70 to 82.70): VX002859.D (-1556) (-)

Ion 118.90 (118.60 to 119.60): VX002859.D (-1556) (-)





#64

Tetrachloroethene

Concen: 0.36 ug/l

RT: 9.34 min Scan# 1435

Delta R.T. -0.00 min

Lab File: VX002936.D

Acq: 27 Jun 2018 15:11

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:164 Resp: 1358

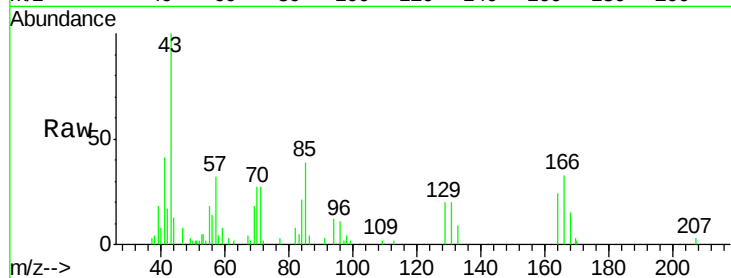
Ion Ratio Lower Upper

164 100

166 138.8 102.9 154.3

129 83.0 68.6 102.8

131 84.1 66.8 100.2

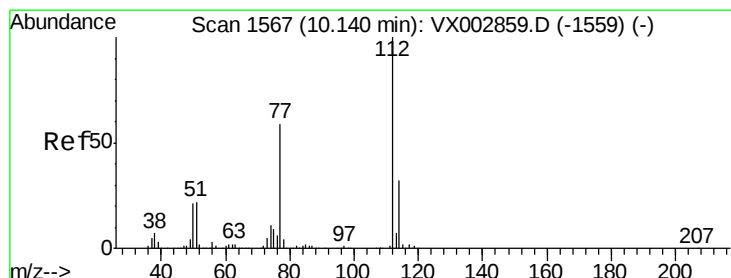
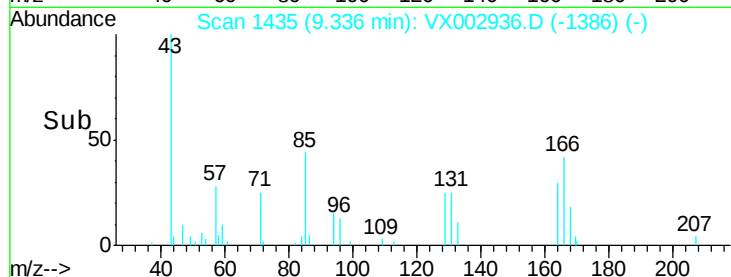
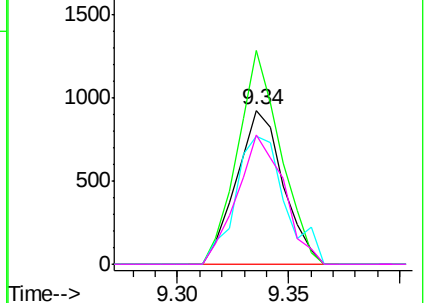


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 4.25 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VX002936.D

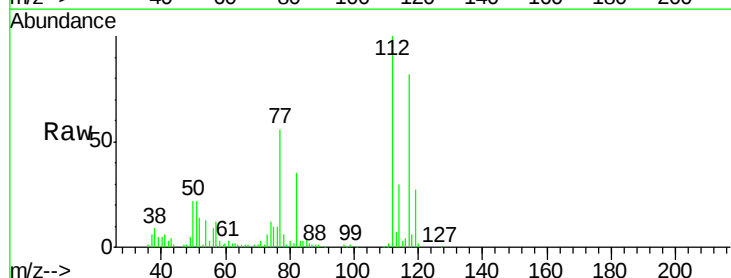
Acq: 27 Jun 2018 15:11

Tgt Ion:112 Resp: 36740

Ion Ratio Lower Upper

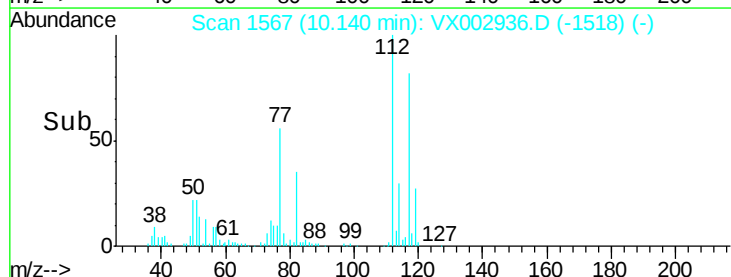
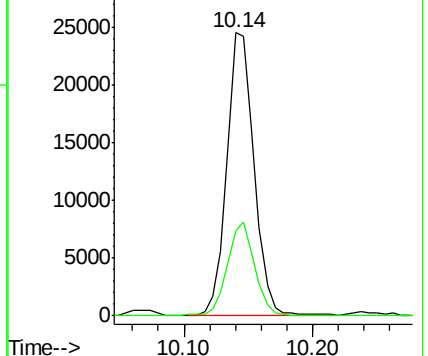
112 100

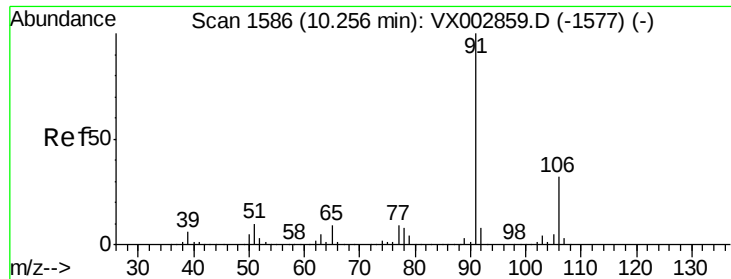
114 30.2 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

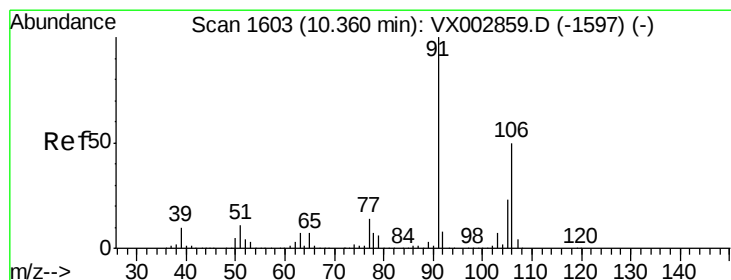
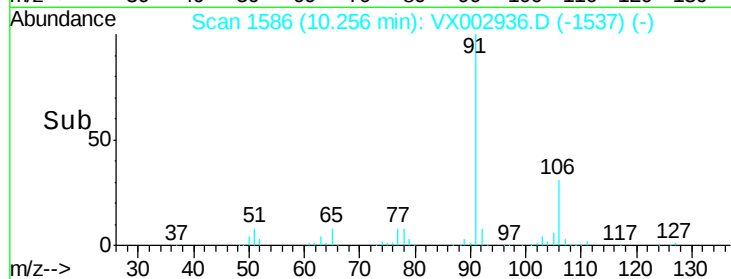
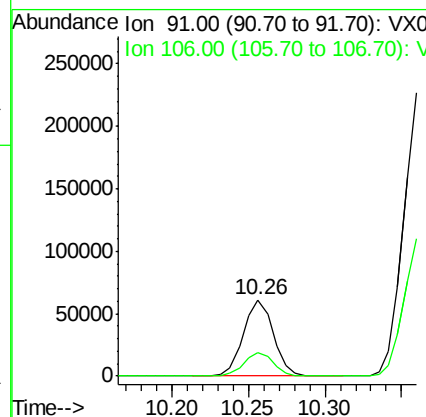
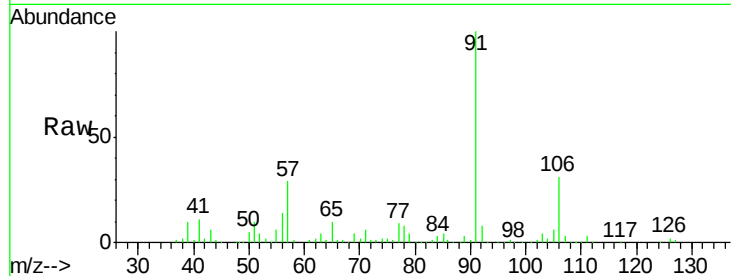




#67
Ethyl Benzene
Concen: 5.86 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX002936.D
Acq: 27 Jun 2018 15:11

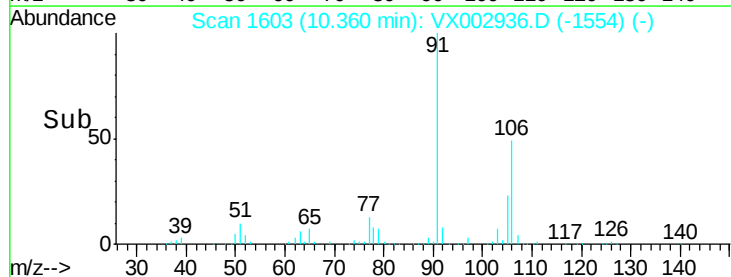
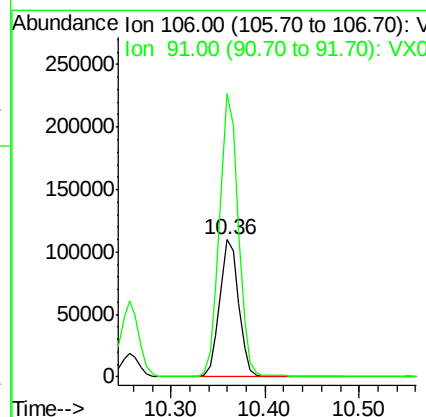
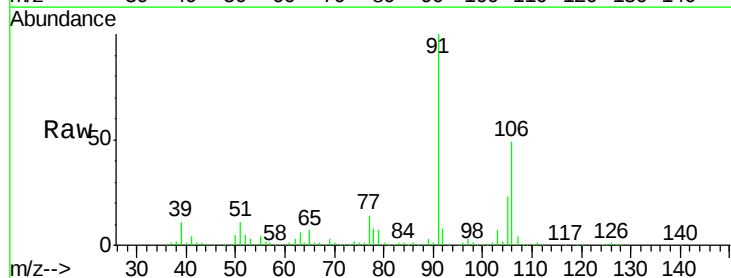
Instrument :
MSVOA_X
ClientSampleId :

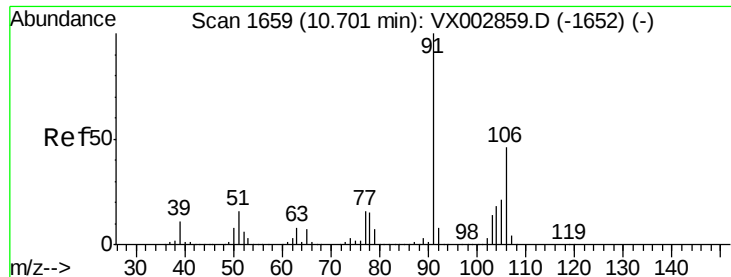
Tot Ion: 91 Resp: 83611
Ion Ratio Lower Upper
91 100
106 30.7 25.5 38.3



#68
m/p-Xylenes
Concen: 28.13 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX002936.D
Acq: 27 Jun 2018 15:11

Tgt Ion: 106 Resp: 154813
Ion Ratio Lower Upper
106 100
91 204.1 163.4 245.2

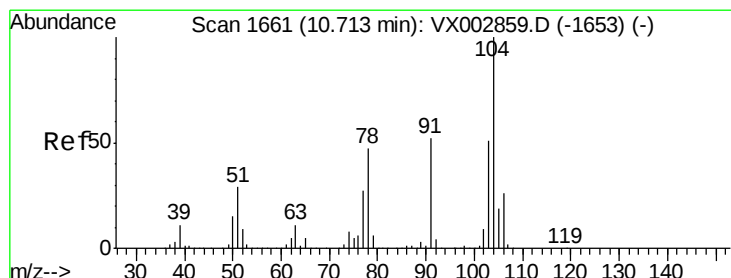
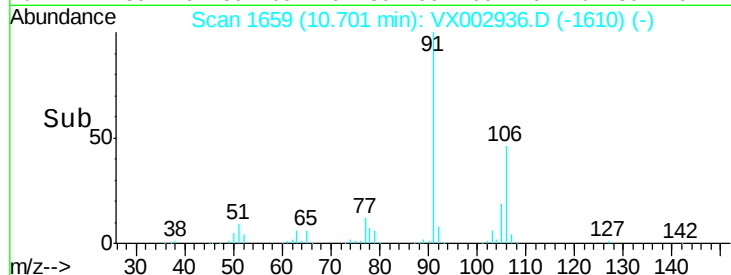
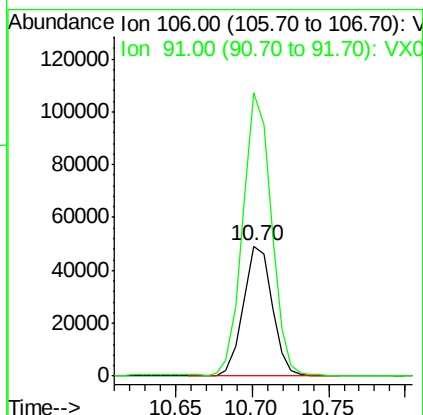
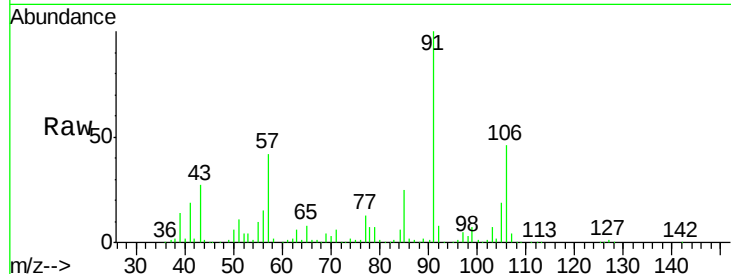




#69
o-Xylene
Concen: 12.12 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002936.D
Acq: 27 Jun 2018 15:11

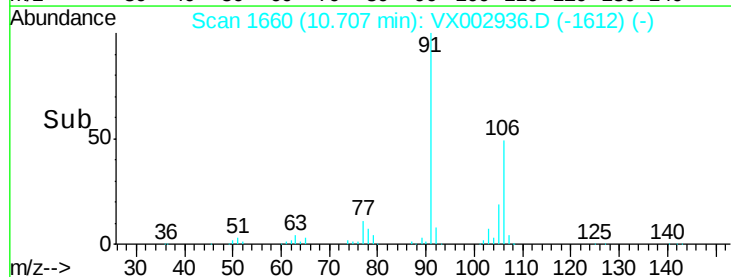
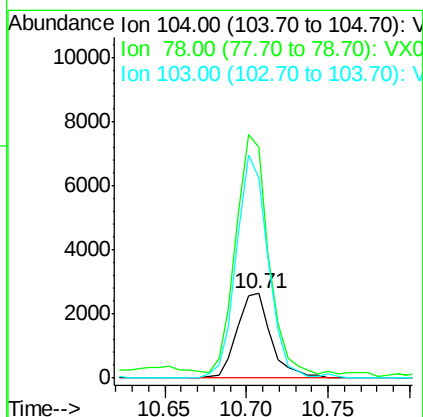
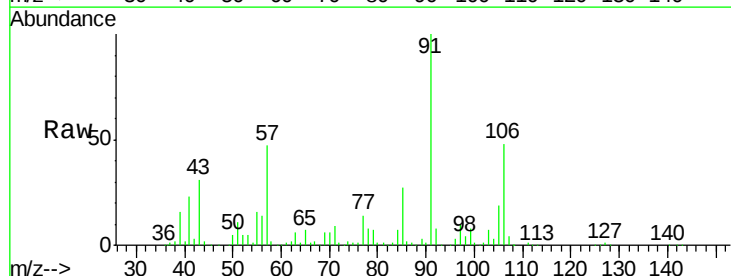
Instrument :
MSVOA_X
ClientSampleId :

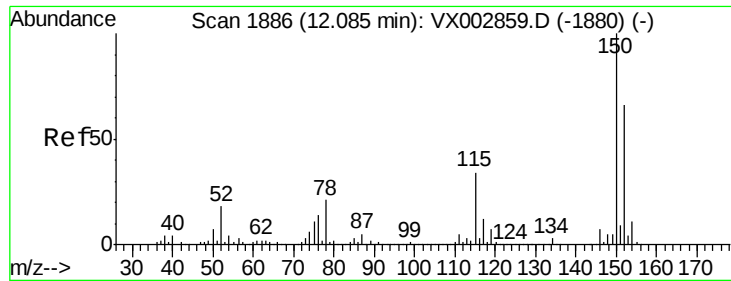
Tot Ion:106 Resp: 64957
Ion Ratio Lower Upper
106 100
91 212.8 108.2 324.6



#70
Styrene
Concen: 0.44 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.01 min
Lab File: VX002936.D
Acq: 27 Jun 2018 15:11

Tgt Ion:104 Resp: 3856
Ion Ratio Lower Upper
104 100
78 279.4 41.0 61.6#
103 244.5 44.2 66.4#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX002936.D

Acq: 27 Jun 2018 15:11

Instrument :

MSVOA_X

ClientSampleId :

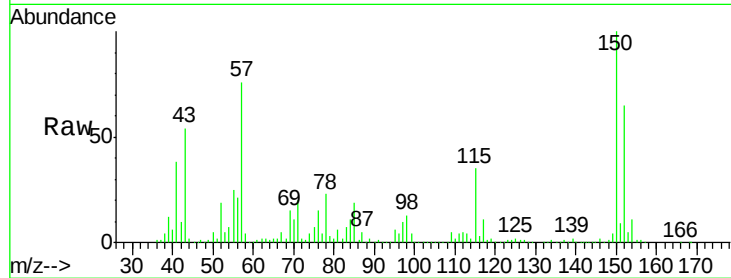
Tot Ion:152 Resp: 231163

Ion Ratio Lower Upper

152 100

115 55.5 40.1 120.2

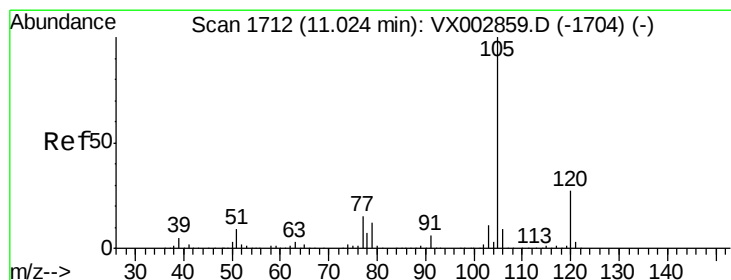
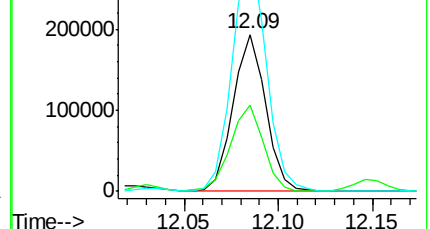
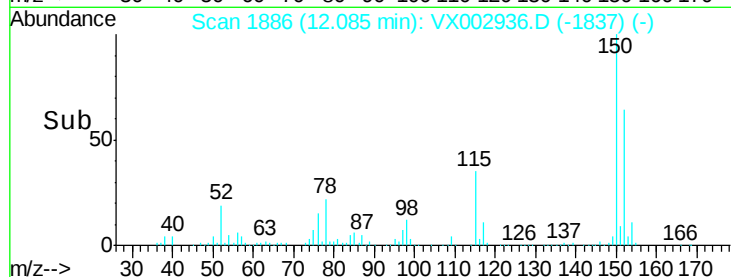
150 157.0 0.0 347.2



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: 2.93 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002936.D

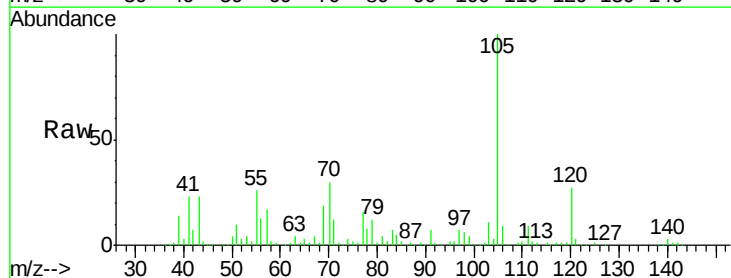
Acq: 27 Jun 2018 15:11

Tgt Ion:105 Resp: 45496

Ion Ratio Lower Upper

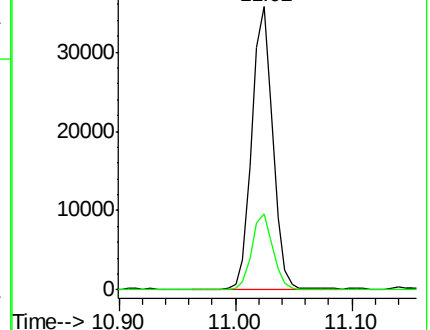
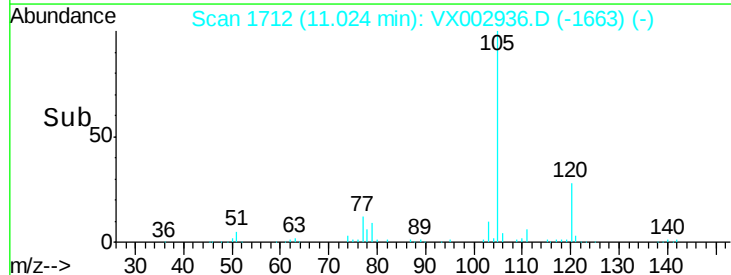
105 100

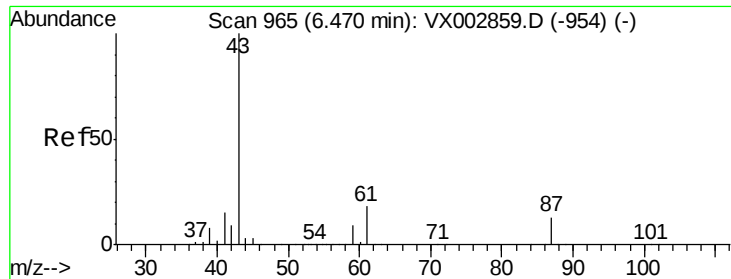
120 27.0 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.25 ug/l

RT: 6.49 min Scan# 969

Delta R.T. 0.02 min

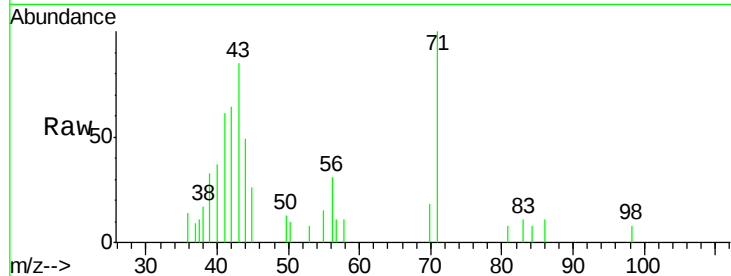
Lab File: VX002936.D

Acq: 27 Jun 2018 15:11

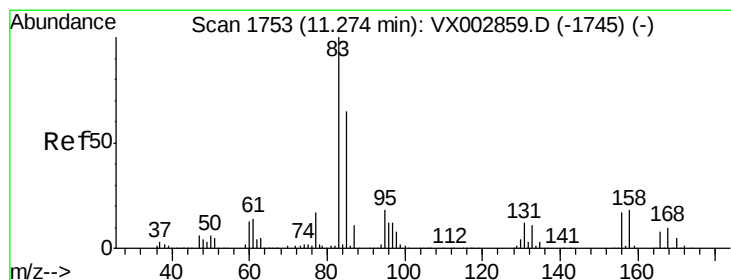
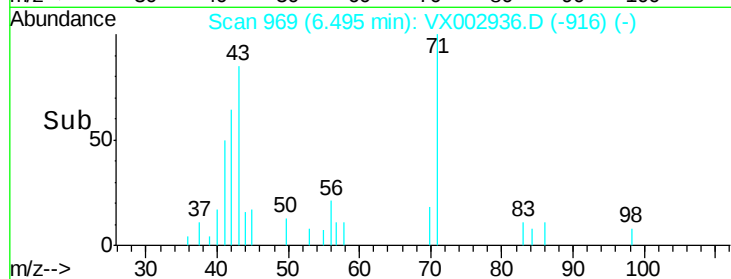
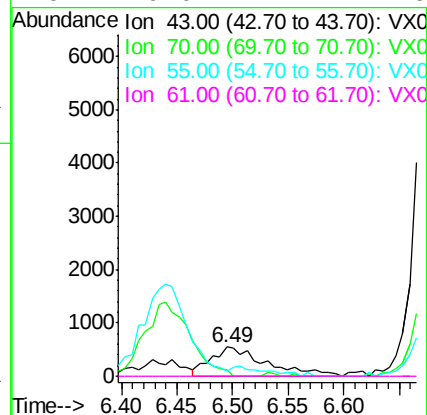
Instrument :

MSVOA_X

ClientSampleId :



Tot Ion:	43	Resp:	1899
Ion	Ratio	Lower	Upper
43	100		
70	0.0	0.0	0.0
55	22.2	0.0	0.0#
61	0.0	14.4	21.6#



#75

1,1,2,2-Tetrachloroethane

Concen: 4.11 ug/l

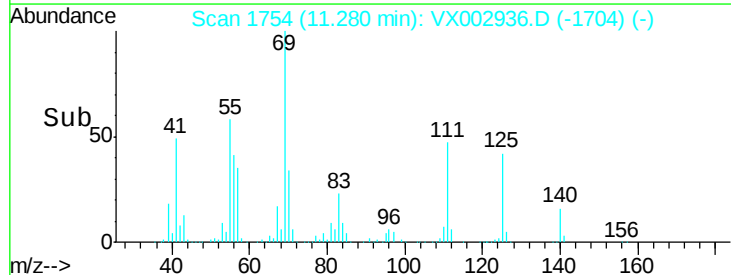
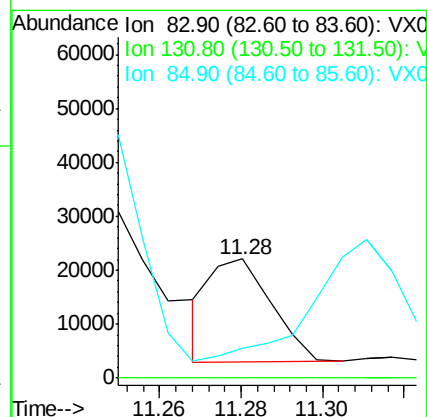
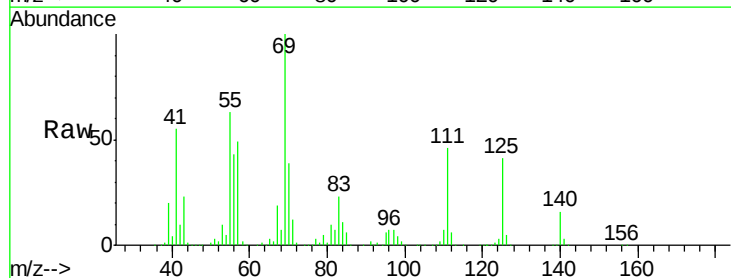
RT: 11.28 min Scan# 1754

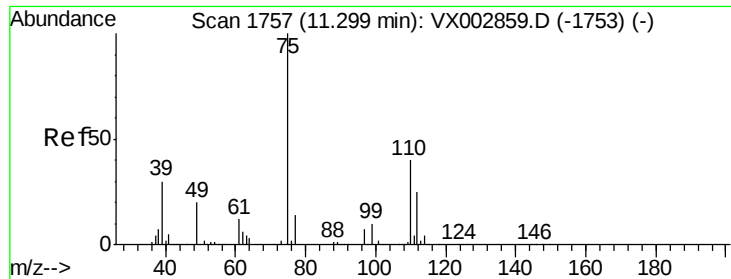
Delta R.T. 0.01 min

Lab File: VX002936.D

Acq: 27 Jun 2018 15:11

Tgt Ion:	83	Resp:	19698
Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.6	16.8#
85	0.0	32.4	97.2#





#76

1,2,3-Trichloropropane

Concen: 0.80 ug/l

RT: 11.44 min Scan# 1780

Delta R.T. 0.14 min

Lab File: VX002936.D

Acq: 27 Jun 2018 15:11

Instrument :

MSVOA_X

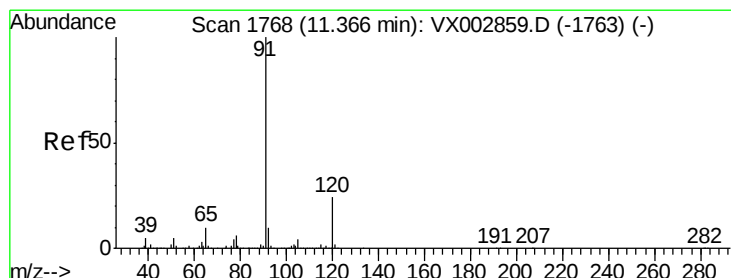
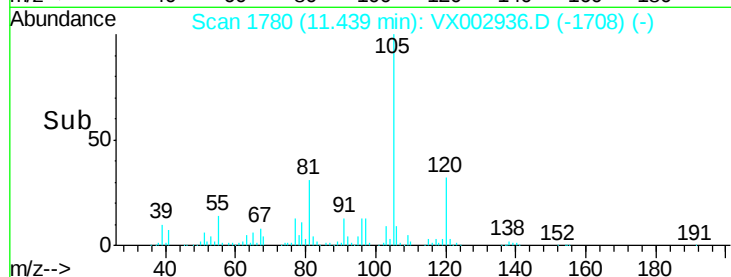
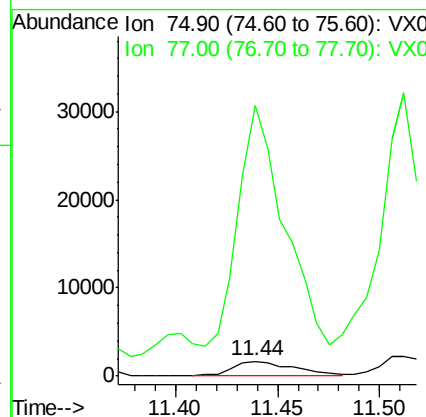
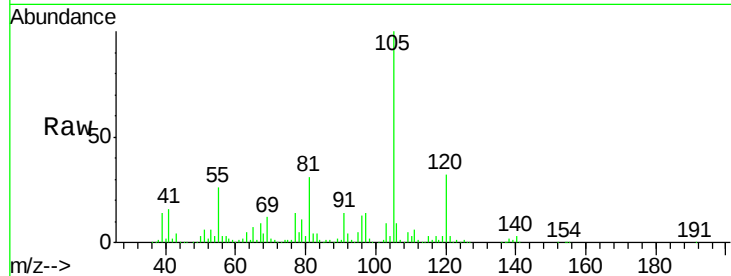
ClientSampleId :

Tot Ion: 75 Resp: 3336

Ion Ratio Lower Upper

75 100

77 1469.8 22.8 68.3#



#78

n-propylbenzene

Concen: 5.61 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002936.D

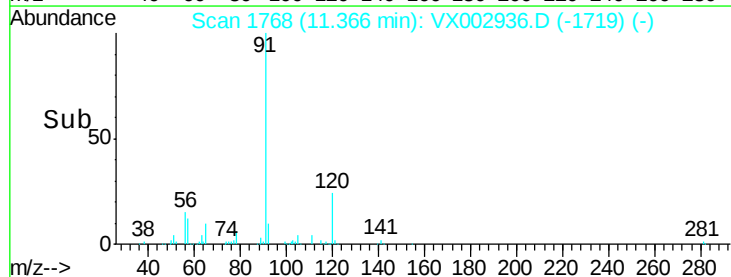
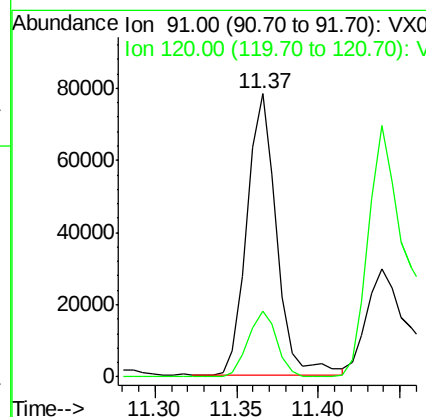
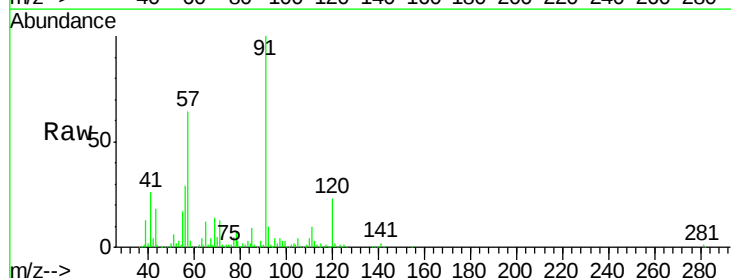
Acq: 27 Jun 2018 15:11

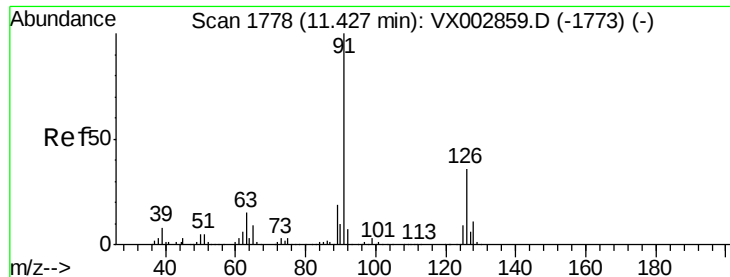
Tgt Ion: 91 Resp: 99379

Ion Ratio Lower Upper

91 100

120 22.8 11.8 35.4

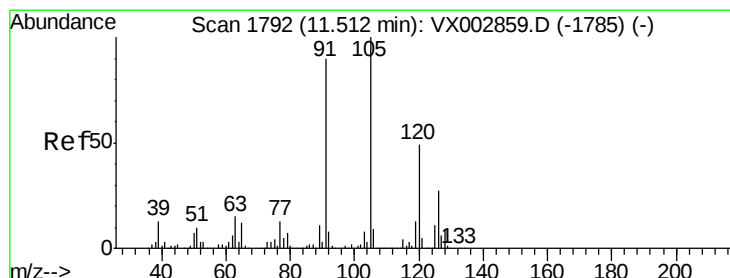
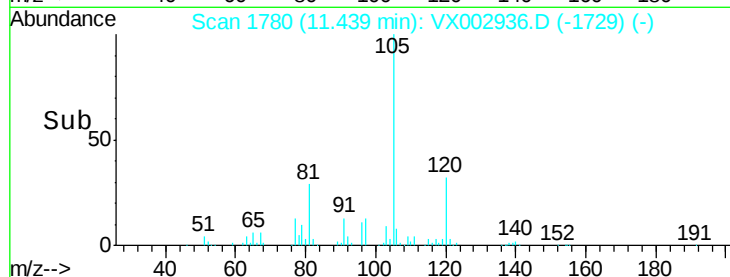
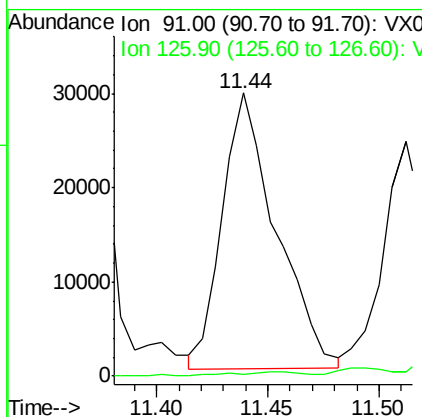
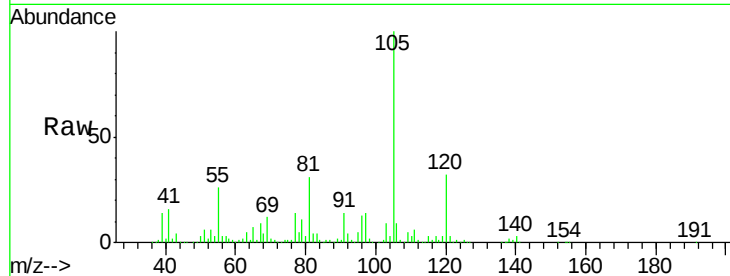




#79
 2-Chlorotoluene
 Concen: 4.63 ug/l
 RT: 11.44 min Scan# 1780
 Delta R.T. 0.01 min
 Lab File: VX002936.D
 Acq: 27 Jun 2018 15:11

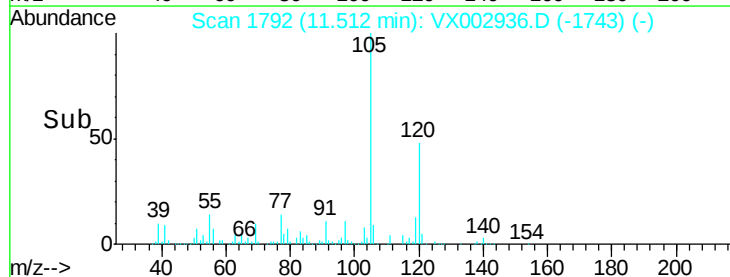
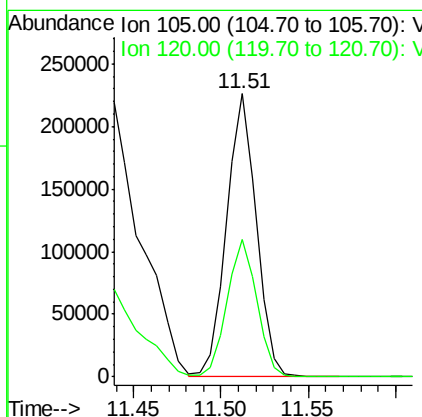
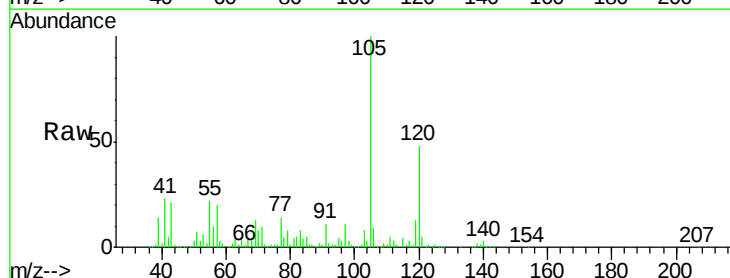
Instrument :
 MSVOA_X
 ClientSampleId :

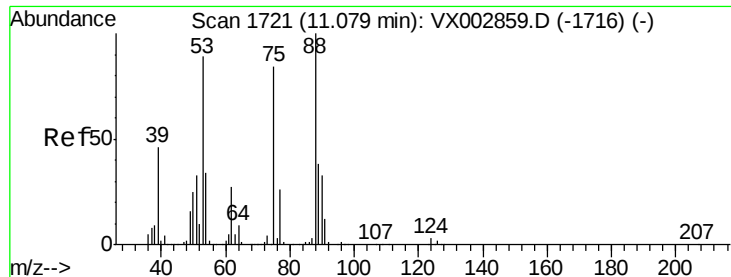
Tot Ion: 91 Resp: 49603
 Ion Ratio Lower Upper
 91 100
 126 1.4 17.7 53.1#



#80
 1,3,5-Trimethylbenzene
 Concen: 20.31 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX002936.D
 Acq: 27 Jun 2018 15:11

Tgt Ion:105 Resp: 266015
 Ion Ratio Lower Upper
 105 100
 120 48.7 24.4 73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 71.59 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002936.D

Acq: 27 Jun 2018 15:11

Instrument :

MSVOA_X

ClientSampled :

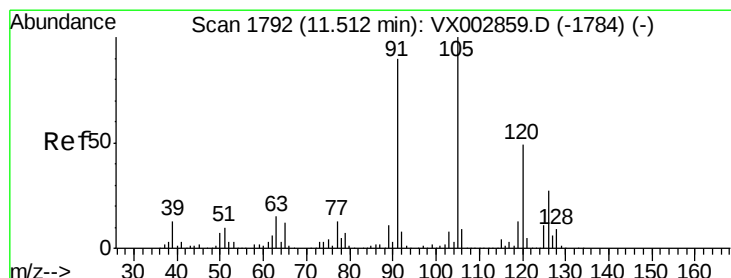
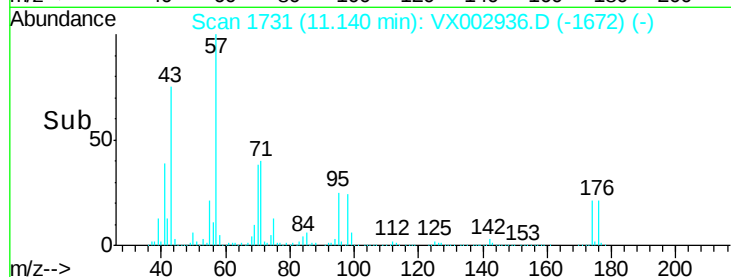
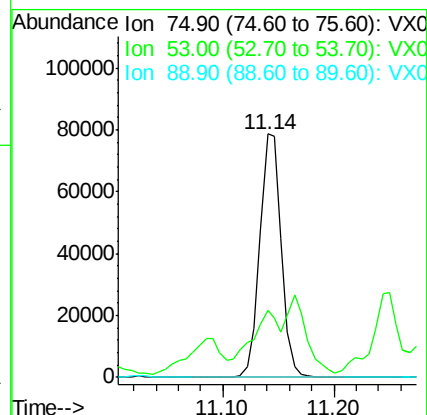
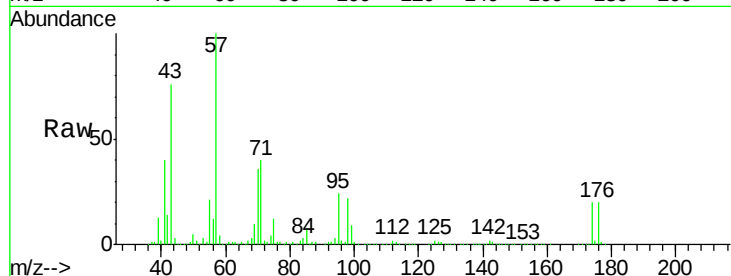
Tot Ion: 75 Resp: 105564

Ion Ratio Lower Upper

75 100

53 23.2 86.8 130.2#

89 0.0 38.2 57.2#



#82

4-Chlorotoluene

Concen: 1.28 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. 0.26 min

Lab File: VX002936.D

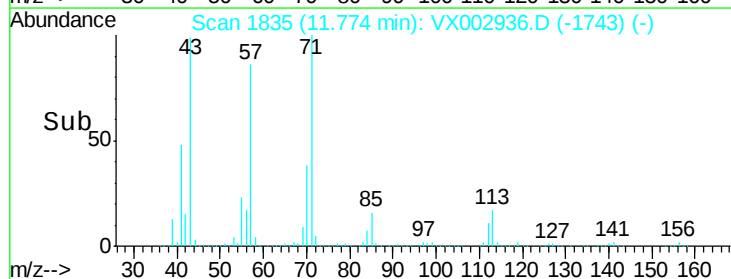
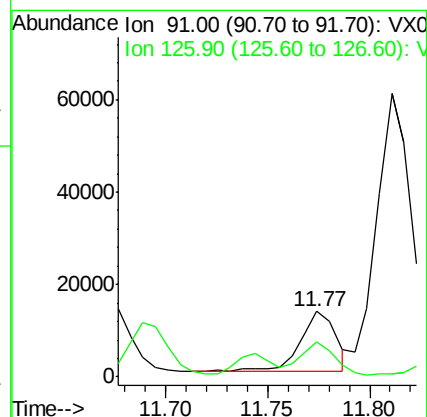
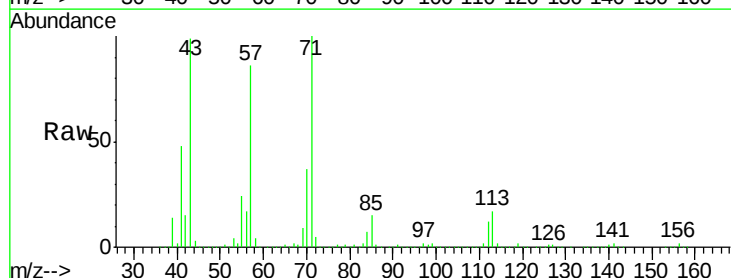
Acq: 27 Jun 2018 15:11

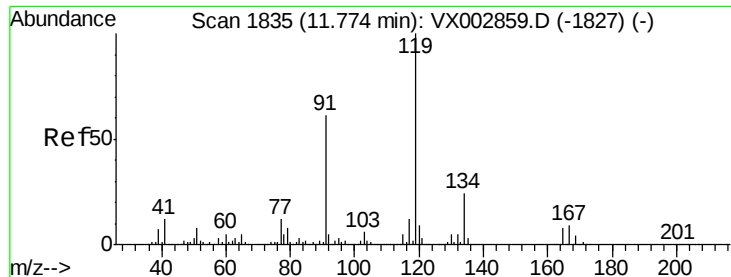
Tgt Ion: 91 Resp: 16182

Ion Ratio Lower Upper

91 100

126 32.8 15.4 46.4

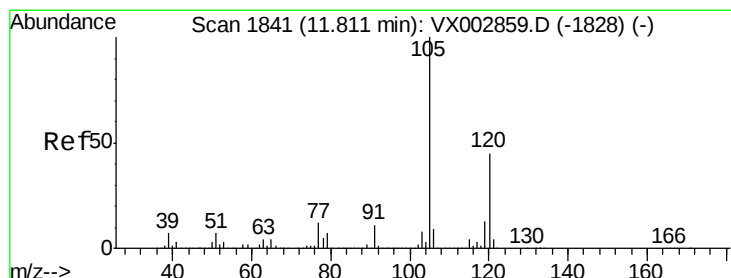
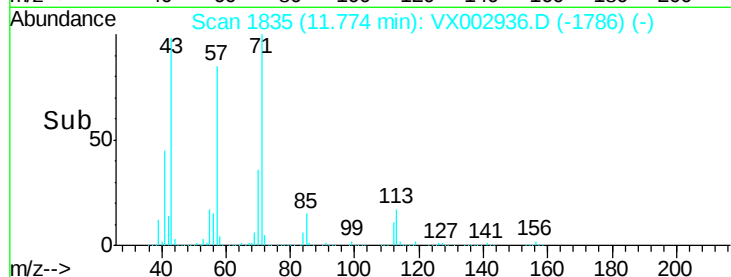
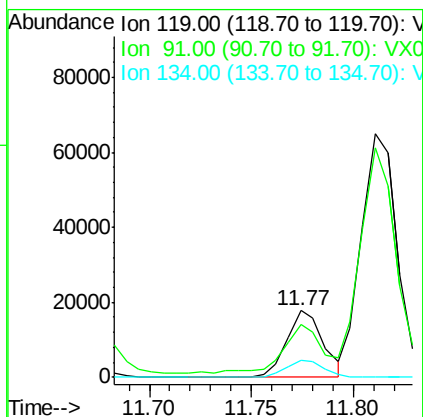
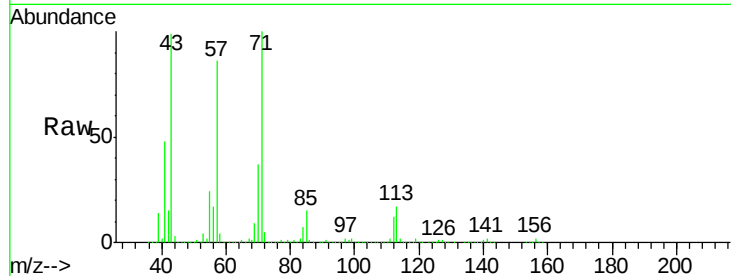




#83
tert-Butylbenzene
Concen: 1.73 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX002936.D
Acq: 27 Jun 2018 15:11

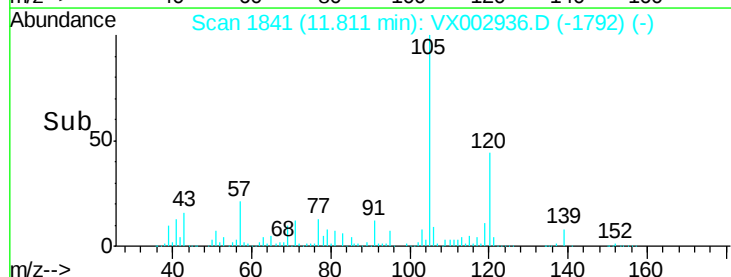
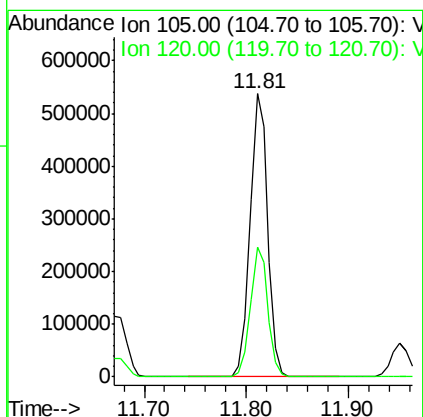
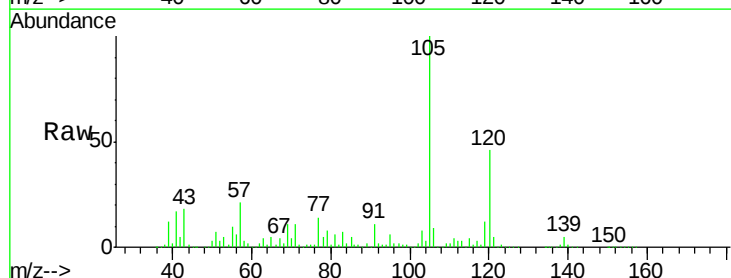
Instrument :
MSVOA_X
ClientSampleId :

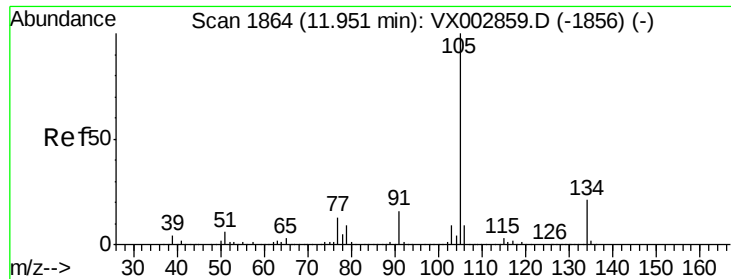
Tot Ion:119 Resp: 22363
Ion Ratio Lower Upper
119 100
91 79.3 30.3 90.9
134 25.4 11.7 35.1



#84
1,2,4-Trimethylbenzene
Concen: 47.58 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX002936.D
Acq: 27 Jun 2018 15:11

Tgt Ion:105 Resp: 645640
Ion Ratio Lower Upper
105 100
120 46.0 22.3 66.8

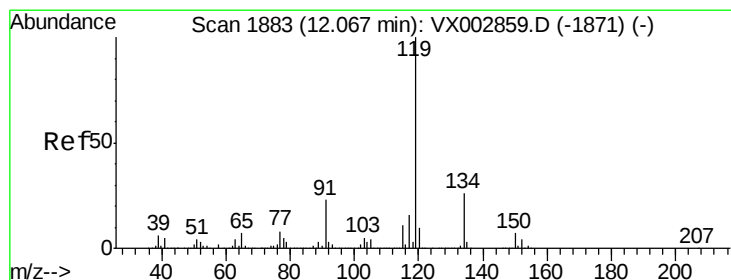
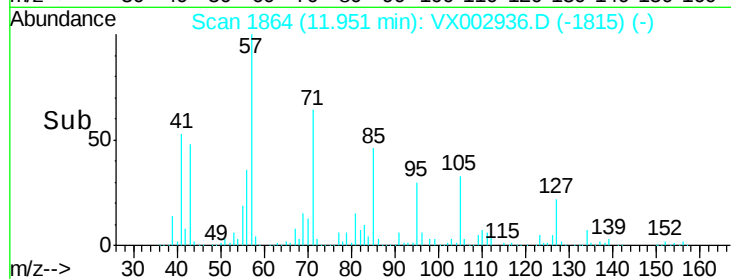
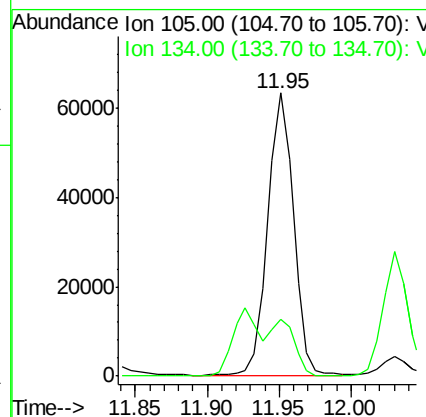
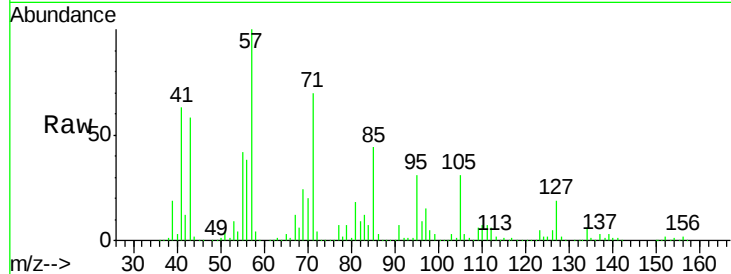




#85
 sec-Butylbenzene
 Concen: 4.97 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VX002936.D
 Acq: 27 Jun 2018 15:11

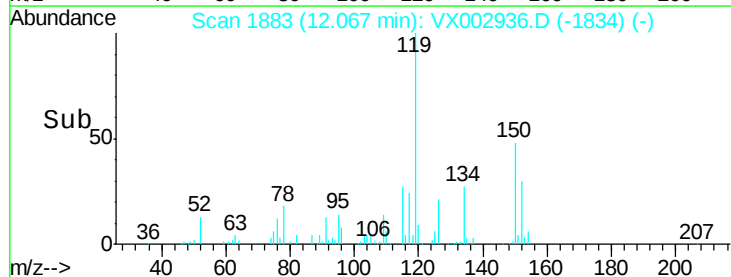
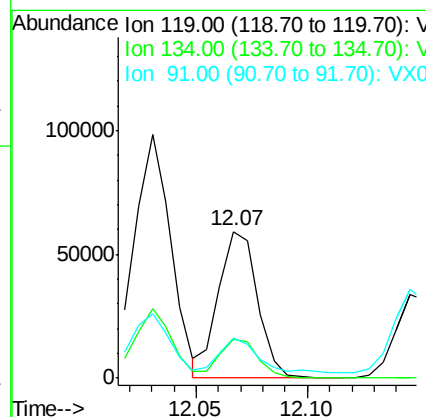
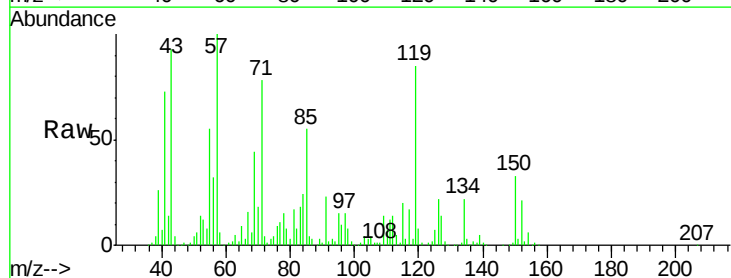
Instrument :
 MSVOA_X
 ClientSampled :

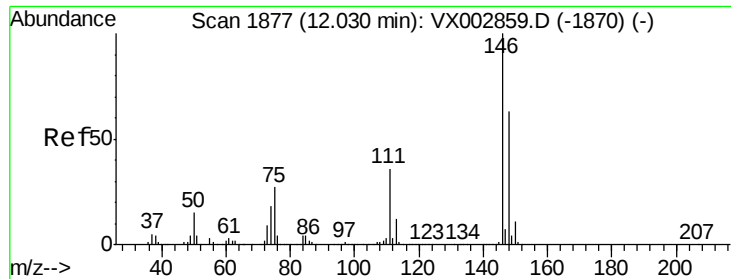
Tot Ion:105 Resp: 77825
 Ion Ratio Lower Upper
 105 100
 134 19.1 10.4 31.1



#86
 p-Isopropyltoluene
 Concen: 5.11 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX002936.D
 Acq: 27 Jun 2018 15:11

Tgt Ion:119 Resp: 71893
 Ion Ratio Lower Upper
 119 100
 134 26.7 13.4 40.1
 91 23.7 11.9 35.7





#87

1,3-Dichlorobenzene

Concen: 10.92 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. 0.07 min

Lab File: VX002936.D

Acq: 27 Jun 2018 15:11

Instrument :

MSVOA_X

ClientSampled :

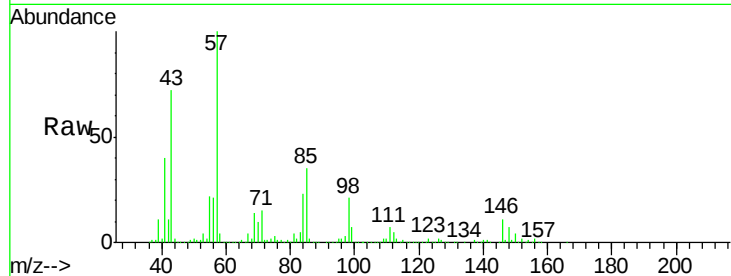
Tot Ion:146 Resp: 88292

Ion Ratio Lower Upper

146 100

111 55.0 18.9 56.7

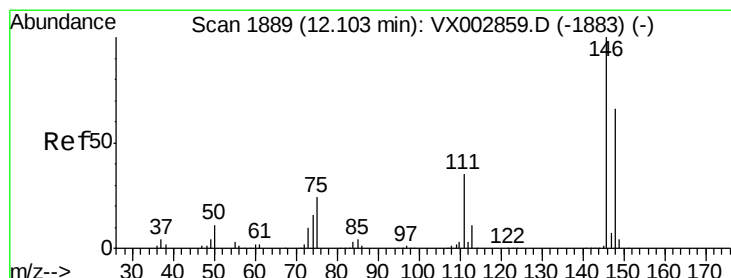
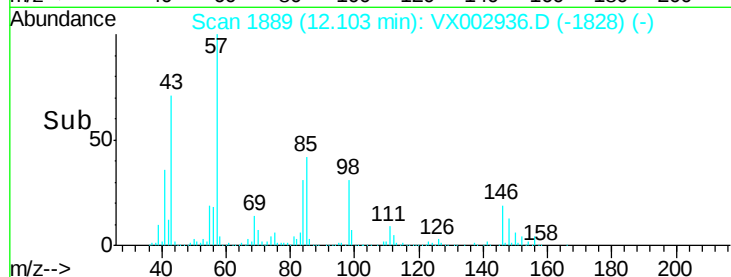
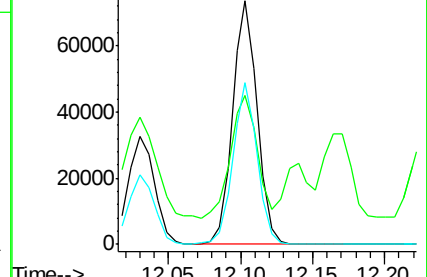
148 65.6 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 10.61 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VX002936.D

Acq: 27 Jun 2018 15:11

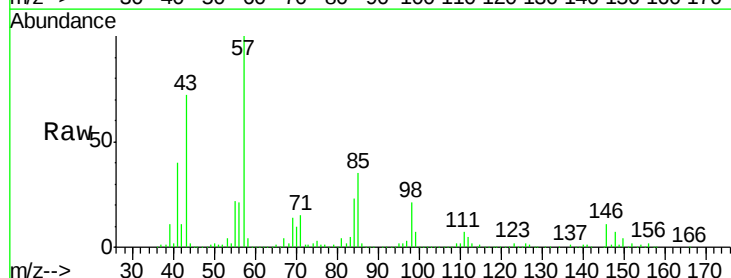
Tgt Ion:146 Resp: 88292

Ion Ratio Lower Upper

146 100

111 64.5 18.7 56.1#

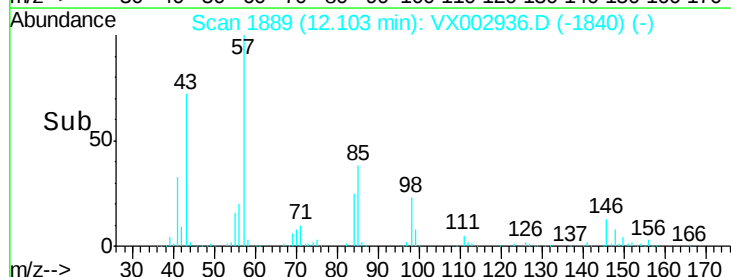
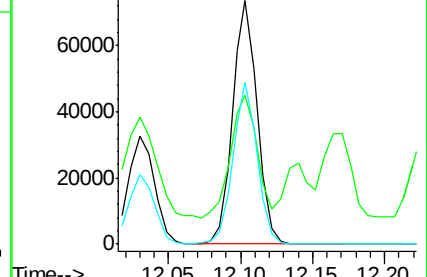
148 65.6 32.4 97.0

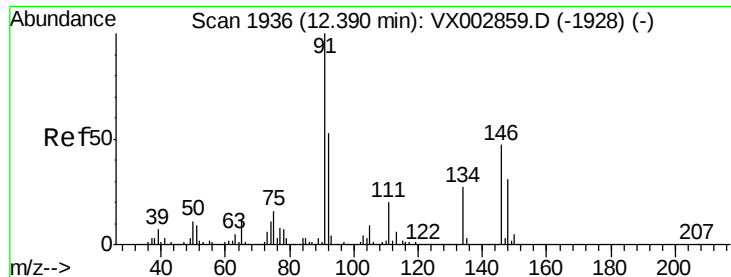


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 13.18 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VX002936.D

Acq: 27 Jun 2018 15:11

Instrument :

MSVOA_X

ClientSampled :

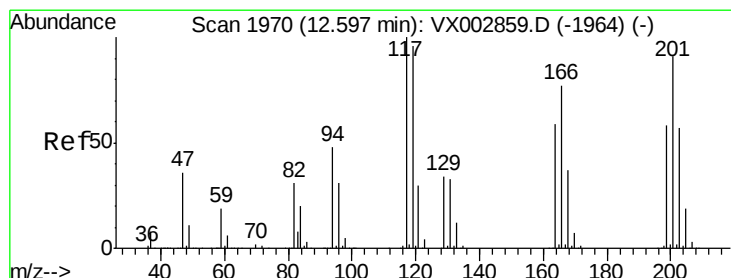
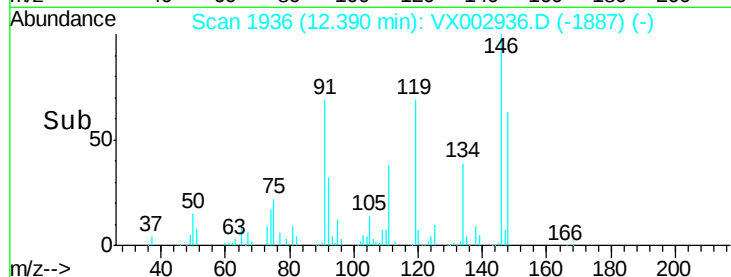
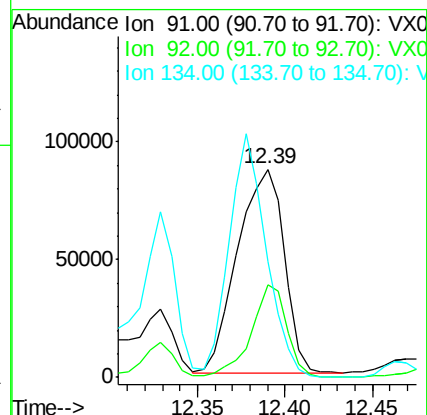
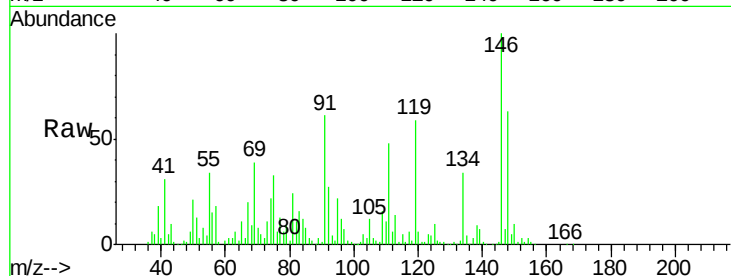
Tot Ion: 91 Resp: 161507

Ion Ratio Lower Upper

91 100

92 33.9 26.0 78.0

134 94.0 13.5 40.5#



#90

Hexachloroethane

Concen: 9.55 ug/l

RT: 12.59 min Scan# 1969

Delta R.T. -0.01 min

Lab File: VX002936.D

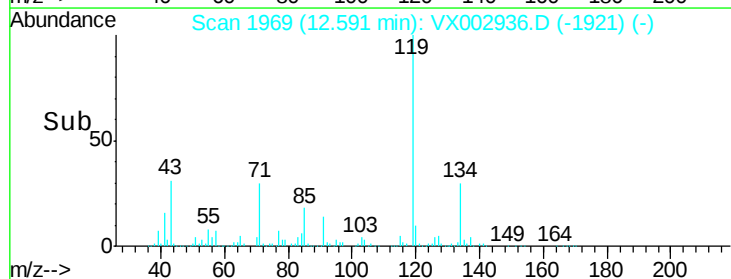
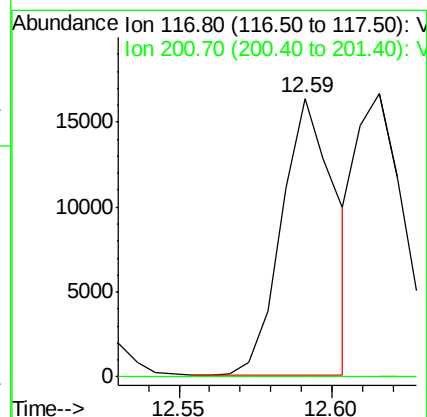
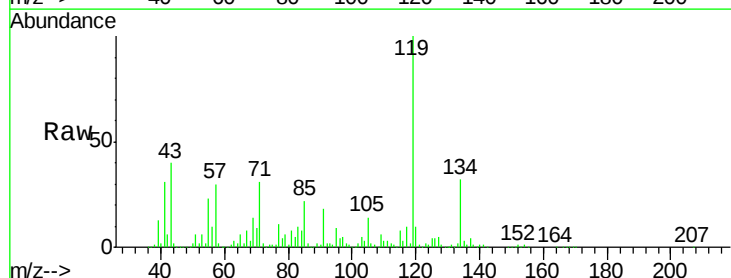
Acq: 27 Jun 2018 15:11

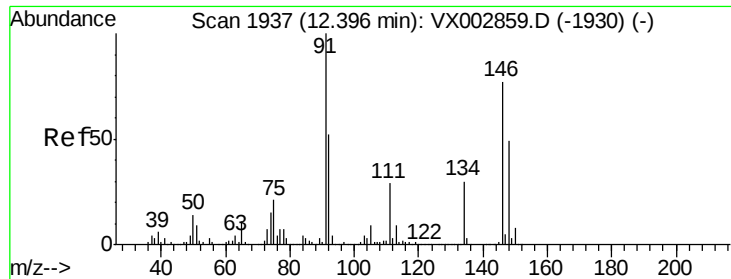
Tgt Ion: 117 Resp: 19994

Ion Ratio Lower Upper

117 100

201 0.0 49.0 147.0#

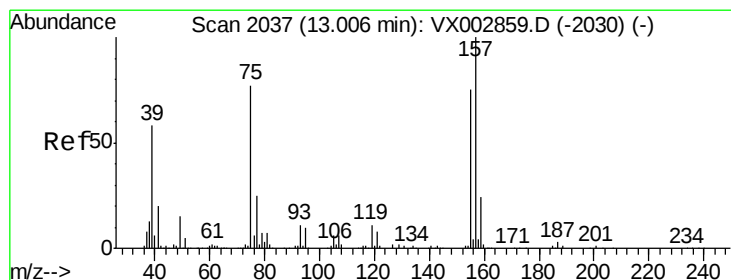
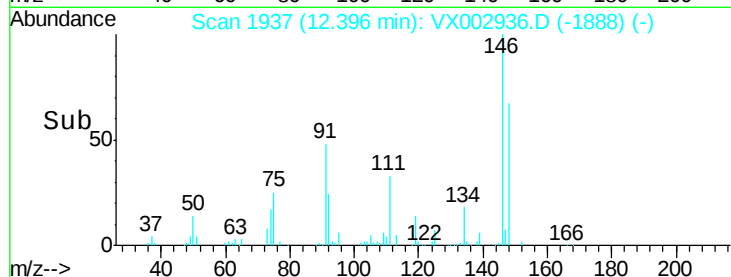
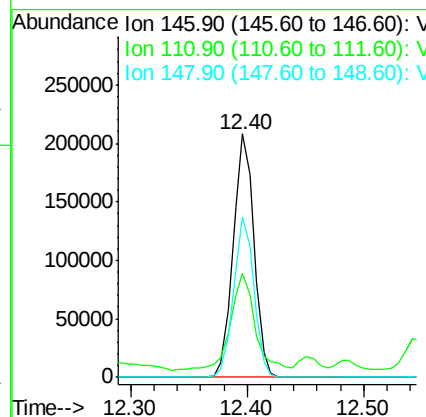
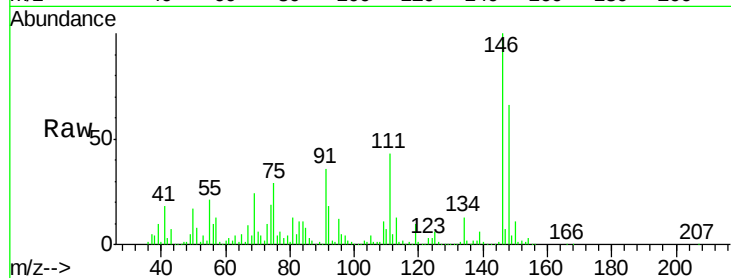




#91
 1,2-Dichlorobenzene
 Concen: 31.68 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX002936.D
 Acq: 27 Jun 2018 15:11

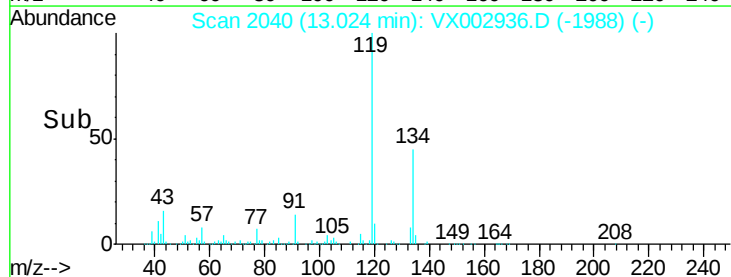
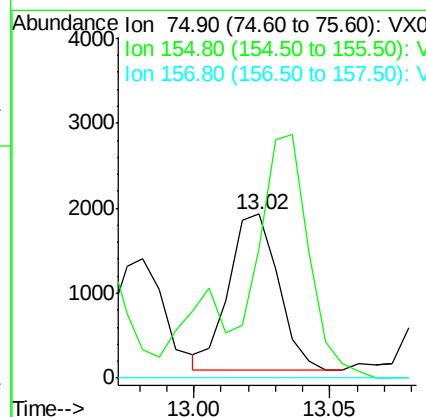
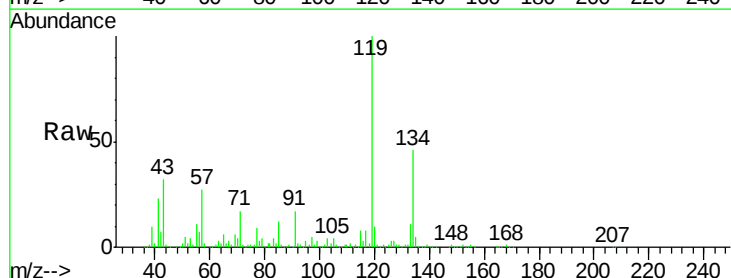
Instrument :
 MSVOA_X
 ClientSampleId :

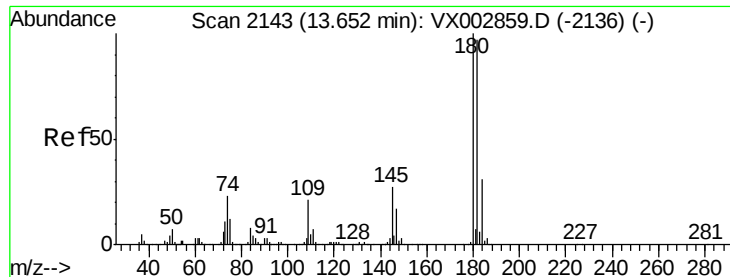
Tot Ion:146 Resp: 258629
 Ion Ratio Lower Upper
 146 100
 111 45.1 19.4 58.1
 148 64.5 31.7 95.1



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.14 ug/l
 RT: 13.02 min Scan# 2040
 Delta R.T. 0.02 min
 Lab File: VX002936.D
 Acq: 27 Jun 2018 15:11

Tgt Ion: 75 Resp: 2306
 Ion Ratio Lower Upper
 75 100
 155 158.2 45.8 137.4#
 157 0.0 60.1 180.3#

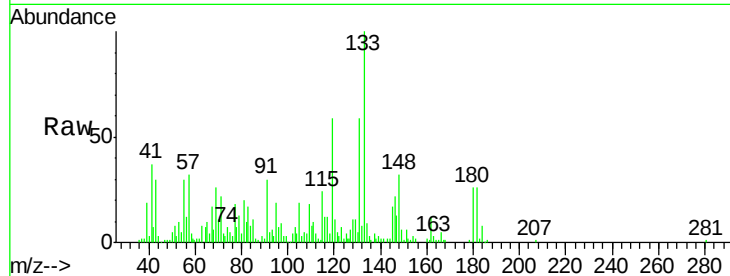




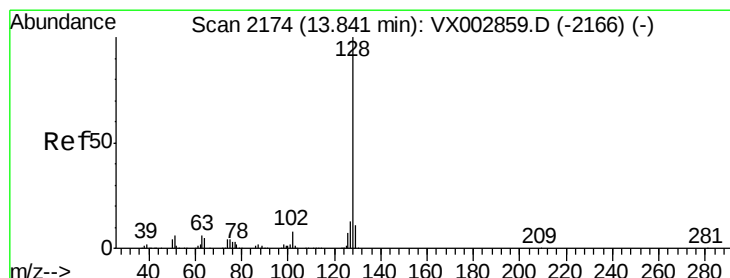
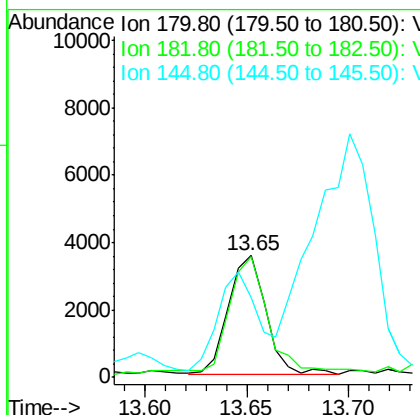
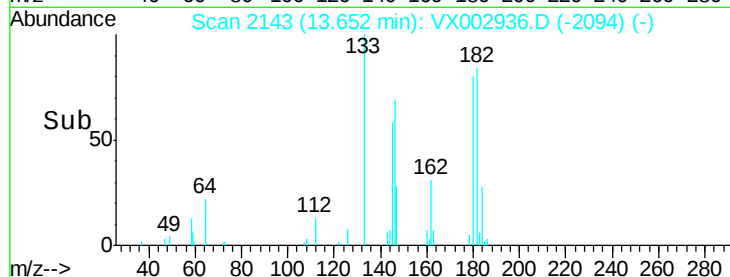
#93
 1,2,4-Trichlorobenzene
 Concen: 0.75 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX002936.D
 Acq: 27 Jun 2018 15:11

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion:180 Resp: 4481
 Ion Ratio Lower Upper
 180 100
 182 99.0 47.7 143.1
 145 99.5 14.1 42.4#

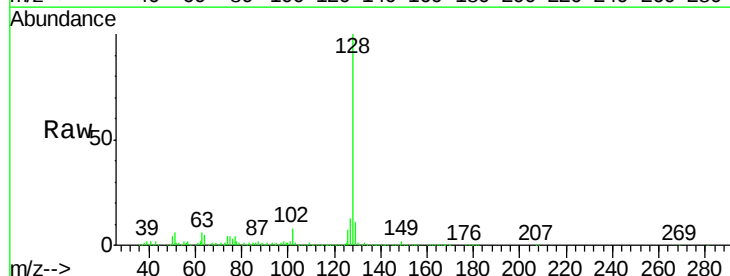


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

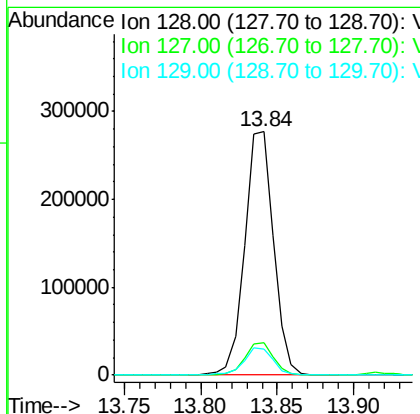
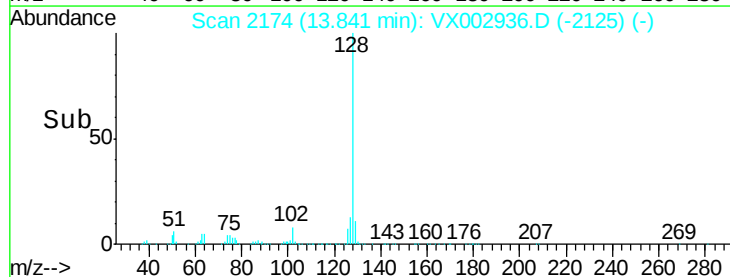


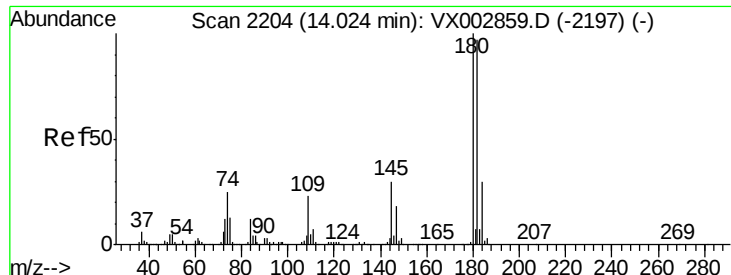
#95
 Naphthalene
 Concen: 22.71 ug/l
 RT: 13.84 min Scan# 2174
 Delta R.T. -0.00 min
 Lab File: VX002936.D
 Acq: 27 Jun 2018 15:11

Tgt Ion:128 Resp: 359293
 Ion Ratio Lower Upper
 128 100
 127 13.7 10.4 15.6
 129 11.3 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

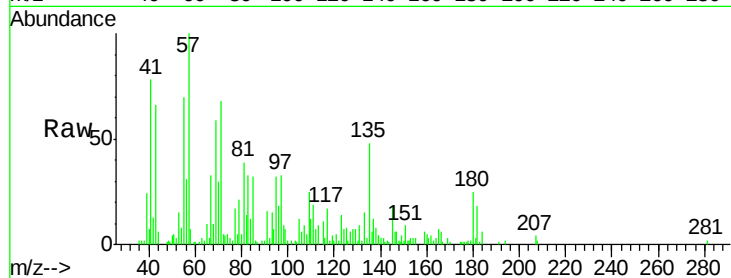




#96
 1,2,3-Trichlorobenzene
 Concen: 0.32 ug/l
 RT: 14.02 min Scan# 2204
 Delta R.T. -0.00 min
 Lab File: VX002936.D
 Acq: 27 Jun 2018 15:11

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:180 Resp: 1873
 Ion Ratio Lower Upper
 180 100
 182 63.5 48.0 144.0
 145 140.1 14.8 44.3#



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

