

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062718\
 Data File : VX002930.D
 Acq On : 27 Jun 2018 12:32
 Operator : JC/MD
 Sample : VX0627MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0627MBS01

Quant Time: Jun 28 03:10:42 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	5.67	168	247790	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	331315	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	313888	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	199171	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	148657	43.40	ug/l	0.00
Spiked Amount			Recovery	=	86.80%	
35) Dibromofluoromethane	5.50	113	117562	44.81	ug/l	0.00
Spiked Amount			Recovery	=	89.62%	
50) Toluene-d8	8.72	98	431987	45.09	ug/l	0.00
Spiked Amount			Recovery	=	90.18%	
62) 4-Bromofluorobenzene	11.14	95	167010	45.20	ug/l	0.00
Spiked Amount			Recovery	=	90.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	38995	17.43	ug/l	98
3) Chloromethane	1.32	50	41760	17.40	ug/l	99
4) Vinyl Chloride	1.40	62	47379	16.91	ug/l	97
5) Bromomethane	1.64	94	28186	19.91	ug/l	100
6) Chloroethane	1.73	64	32735	18.58	ug/l	99
7) Trichlorofluoromethane	1.93	101	84512	17.88	ug/l	95
8) Diethyl Ether	2.19	74	29823	17.35	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	48919	17.86	ug/l	99
10) Methyl Iodide	2.51	142	38124	18.24	ug/l	99
11) Tert butyl alcohol	3.06	59	59925	87.83	ug/l	97
12) 1,1-Dichloroethene	2.38	96	41534	17.00	ug/l	94
13) Acrolein	2.29	56	46755	125.75	ug/l	100
14) Allyl chloride	2.73	41	84812	17.61	ug/l	98
15) Acrylonitrile	3.15	53	124208	85.23	ug/l	99
16) Acetone	2.44	43	133165	93.89	ug/l	97
17) Carbon Disulfide	2.57	76	106849	16.41	ug/l	98
18) Methyl Acetate	2.78	43	76383	19.26	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	153053	17.42	ug/l	99
20) Methylene Chloride	2.86	84	48828	17.69	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	45066	16.93	ug/l	97
22) Diisopropyl ether	3.87	45	166281	18.06	ug/l	98
23) Vinyl Acetate	3.82	43	684781	87.82	ug/l	99
24) 1,1-Dichloroethane	3.70	63	90045	17.99	ug/l	98
25) 2-Butanone	4.70	43	187591	89.12	ug/l	97
26) 2,2-Dichloropropane	4.59	77	72111	17.72	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	53064	17.78	ug/l	97
28) Bromochloromethane	5.02	49	45707	19.08	ug/l	94
29) Tetrahydrofuran	5.16	42	113734	84.25	ug/l	97
30) Chloroform	5.21	83	91578	17.83	ug/l	92
31) Cyclohexane	5.58	56	73578	17.13	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	80176	17.74	ug/l	99
36) 1,1-Dichloropropene	5.80	75	64764	17.83	ug/l	99
37) Ethyl Acetate	4.86	43	68805	17.59	ug/l	99
38) Carbon Tetrachloride	5.78	117	70710	17.73	ug/l	99

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 ALS Vial : 4 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Quant Time: Jun 28 03:10:42 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)
39) Methylcyclohexane	7.46	83	76204	18.01	ug/l	98
40) Benzene	6.15	78	194124	18.39	ug/l	99
41) Methacrylonitrile	5.06	41	39915	17.72	ug/l	98
42) 1,2-Dichloroethane	6.20	62	77788	18.24	ug/l	100
43) Isopropyl Acetate	6.46	43	112850	17.20	ug/l	99
44) Trichloroethene	7.21	130	56569	17.97	ug/l	90
45) 1,2-Dichloropropane	7.52	63	52025	18.58	ug/l	99
46) Dibromomethane	7.67	93	35485	18.26	ug/l	99
47) Bromodichloromethane	7.90	83	65386	18.20	ug/l #	99
48) Methyl methacrylate	7.78	41	59127	17.49	ug/l	98
49) 1,4-Dioxane	7.76	88	23318	354.53	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	368272	89.72	ug/l	100
52) Toluene	8.79	92	124664	18.43	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	74375	18.28	ug/l	99
54) cis-1,3-Dichloropropene	9.04	75	67990	17.37	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	51871	18.67	ug/l	96
56) Ethyl methacrylate	9.18	69	70698	17.41	ug/l	97
57) 1,3-Dichloropropane	9.37	76	83162	18.22	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	117383	59.91	ug/l	99
59) 2-Hexanone	9.50	43	284337	91.14	ug/l	99
60) Dibromochloromethane	9.59	129	51403	17.57	ug/l	99
61) 1,2-Dibromoethane	9.68	107	53335	18.30	ug/l	100
64) Tetrachloroethene	9.34	164	63322	18.14	ug/l	97
65) Chlorobenzene	10.14	112	146868	18.42	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	52932	18.28	ug/l	99
67) Ethyl Benzene	10.26	91	243329	18.48	ug/l	99
68) m/p-Xylenes	10.36	106	190786	37.59	ug/l	99
69) o-Xylene	10.70	106	91395	18.49	ug/l	99
70) Styrene	10.71	104	148826	18.53	ug/l	98
71) Bromoform	10.86	173	39032	17.65	ug/l #	100
73) Isopropylbenzene	11.02	105	252638	18.86	ug/l	100
74) N-amyl acetate	6.46	43	112850	17.21	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	74661	18.09	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	82345	22.82	ug/l	81
77) Bromobenzene	11.26	156	69204	18.14	ug/l	99
78) n-propylbenzene	11.37	91	293688	19.26	ug/l	99
79) 2-Chlorotoluene	11.42	91	171606	18.58	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	214899	19.04	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	17769	16.69	ug/l	88
82) 4-Chlorotoluene	11.51	91	205914	18.84	ug/l	99
83) tert-Butylbenzene	11.77	119	210785	18.95	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	221691	18.96	ug/l	98
85) sec-Butylbenzene	11.95	105	258864	19.19	ug/l	100
86) p-Isopropyltoluene	12.07	119	231448	19.08	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	130009	18.66	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	130014	18.13	ug/l	99
89) n-Butylbenzene	12.39	91	200149	18.96	ug/l	99
90) Hexachloroethane	12.60	117	32121	17.80	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	129274	18.38	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	15473	16.68	ug/l	98

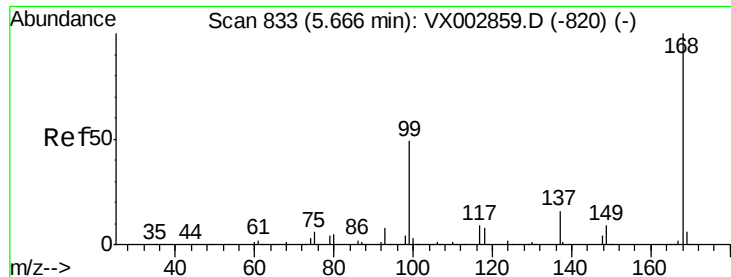
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX062718\
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Acq On : 27 Jun 2018 12:32
Operator : JC/MD
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Instrument :
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VX0627MBS01

Quant Time: Jun 28 03:10:42 2018
Quant Method : Z:\V0ASRV\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)
93) 1,2,4-Trichlorobenzene	13.65	180	94674	18.49	ug/l	99
94) Hexachlorobutadiene	13.79	225	47705	18.68	ug/l	98
95) Naphthalene	13.84	128	246451	18.08	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	95894	18.75	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX002930.D

Acq: 27 Jun 2018 12:32

Instrument :

MSVOA_X

ClientSampleId :

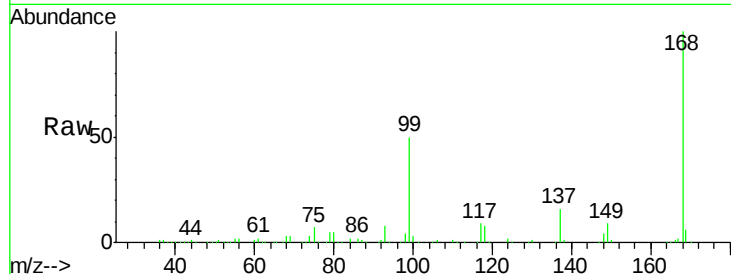
VX0627MBS01

Tot Ion:168 Resp: 247790

Ion Ratio Lower Upper

168 100

99 50.0 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

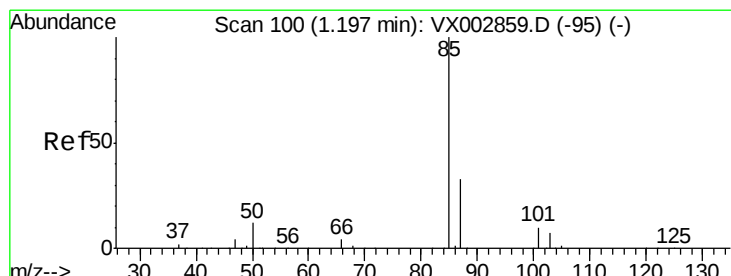
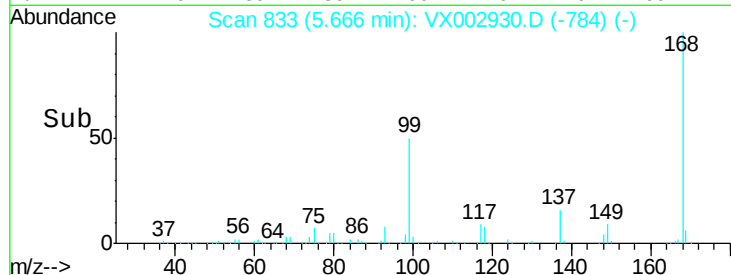
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 17.43 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002930.D

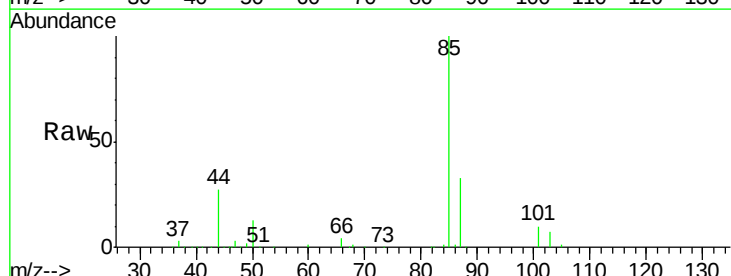
Acq: 27 Jun 2018 12:32

Tgt Ion: 85 Resp: 38995

Ion Ratio Lower Upper

85 100

87 32.8 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

40000

30000

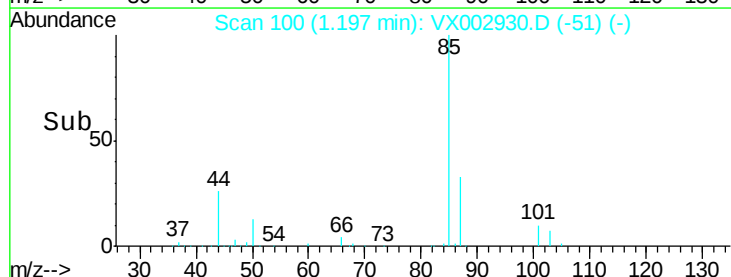
20000

10000

0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 17.40 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002930.D

Acq: 27 Jun 2018 12:32

Instrument :

MSVOA_X

ClientSampleId :

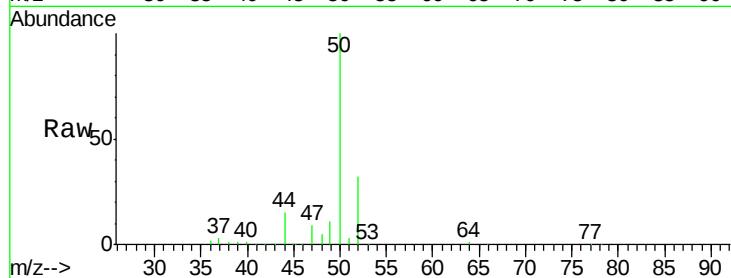
VX0627MBS01

Tot Ion: 50 Resp: 41760

Ion Ratio Lower Upper

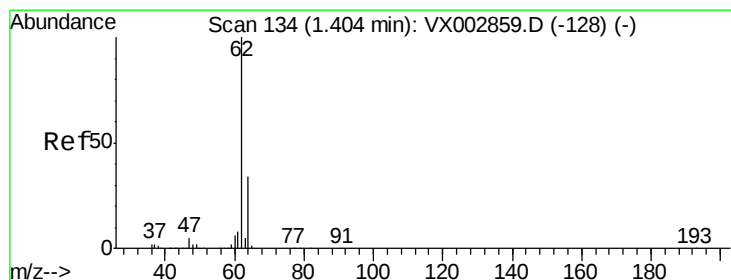
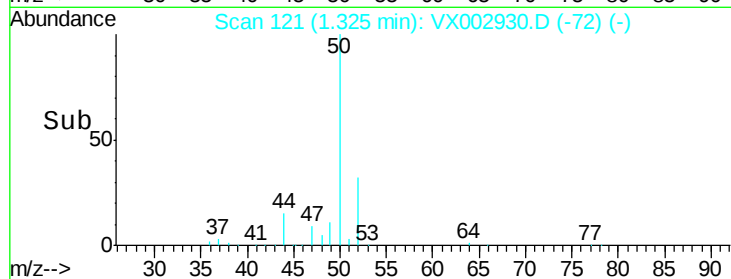
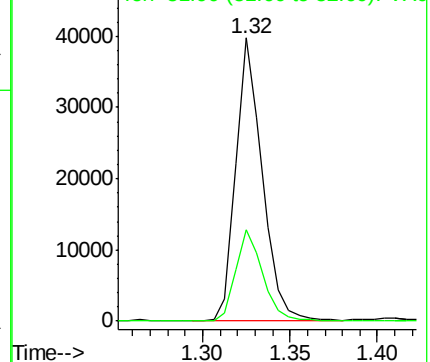
50 100

52 32.5 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 16.91 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX002930.D

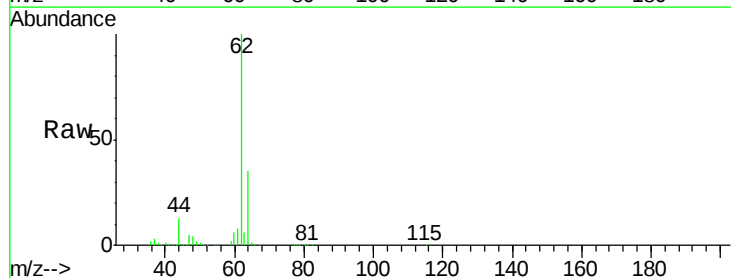
Acq: 27 Jun 2018 12:32

Tgt Ion: 62 Resp: 47379

Ion Ratio Lower Upper

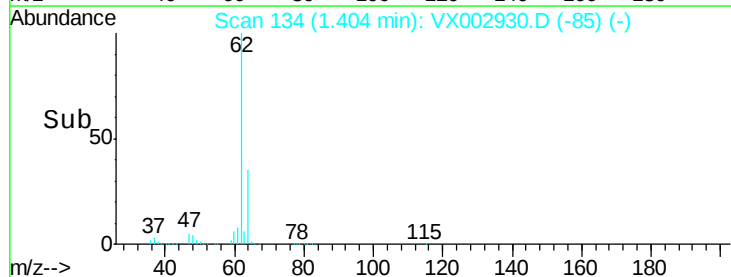
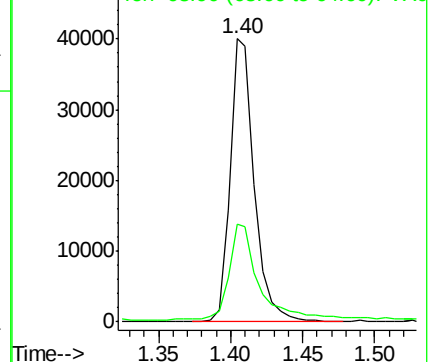
62 100

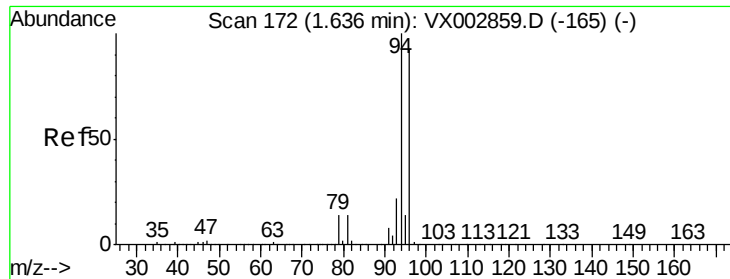
64 33.4 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 19.91 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX002930.D

Acq: 27 Jun 2018 12:32

Instrument :

MSVOA_X

ClientSampleId :

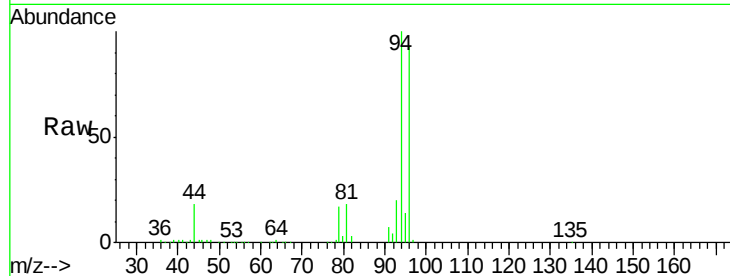
VX0627MBS01

Tot Ion: 94 Resp: 28186

Ion Ratio Lower Upper

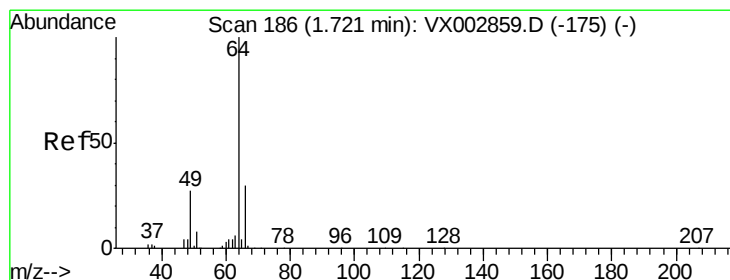
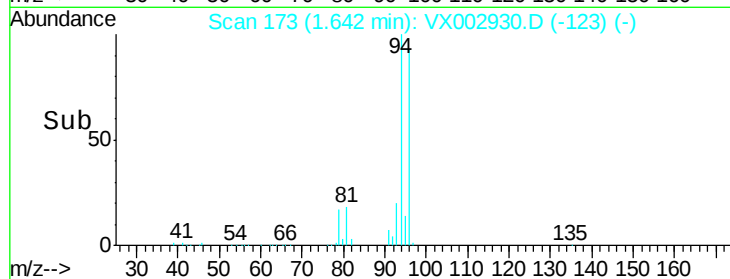
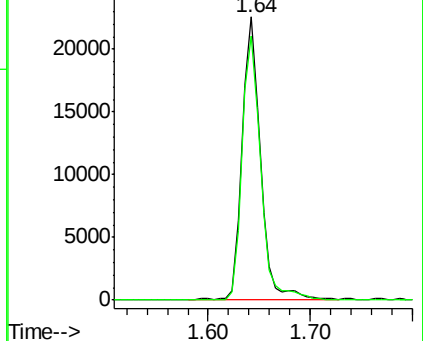
94 100

96 93.4 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 18.58 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX002930.D

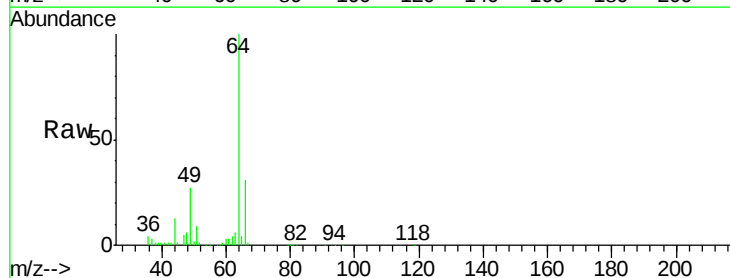
Acq: 27 Jun 2018 12:32

Tgt Ion: 64 Resp: 32735

Ion Ratio Lower Upper

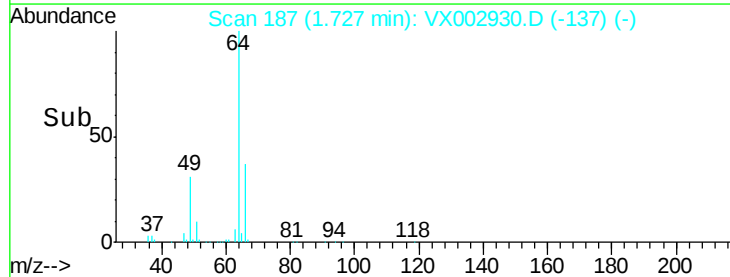
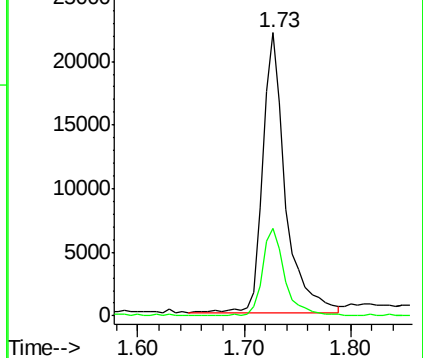
64 100

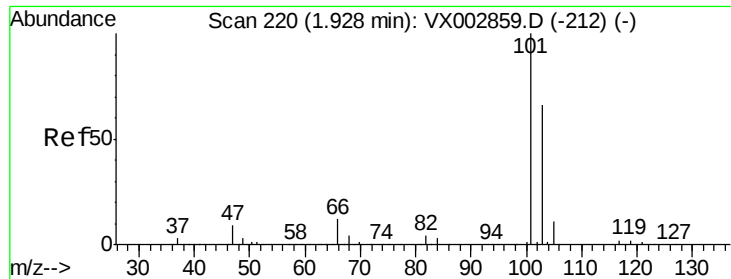
66 31.4 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



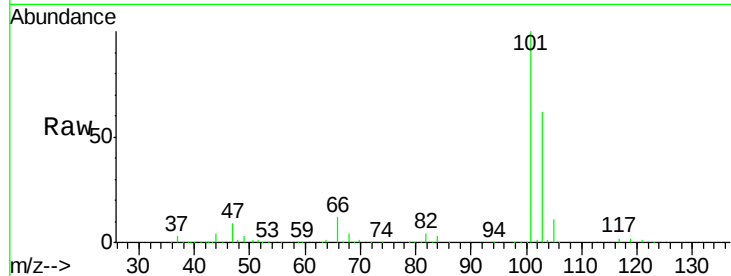


#7

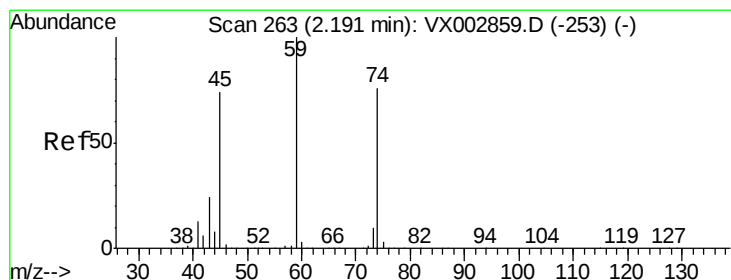
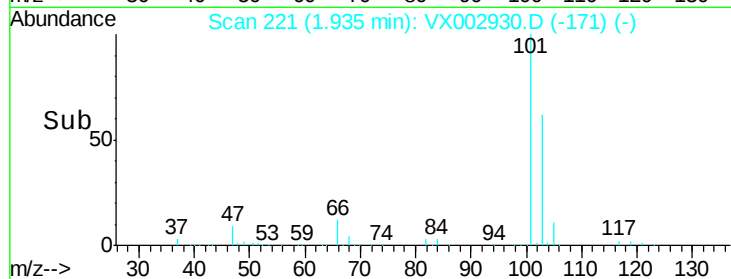
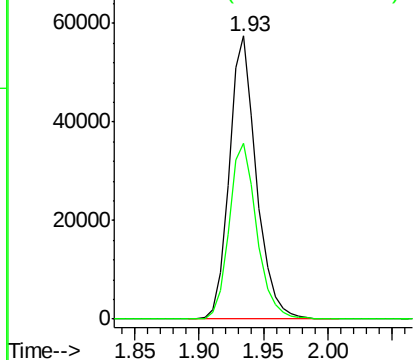
Trichlorofluoromethane
Concen: 17.88 ug/l
RT: 1.93 min Scan# 221
Delta R.T. 0.01 min
Lab File: VX002930.D
Acq: 27 Jun 2018 12:32

Instrument :
MSVOA_X
ClientSampleId :
VX0627MBS01

Tot Ion:101 Resp: 84512
Ion Ratio Lower Upper
101 100
103 62.1 52.8 79.2



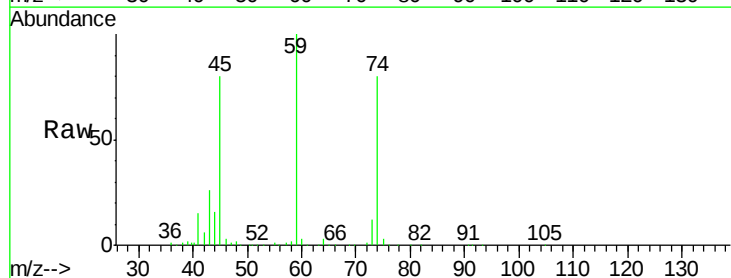
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



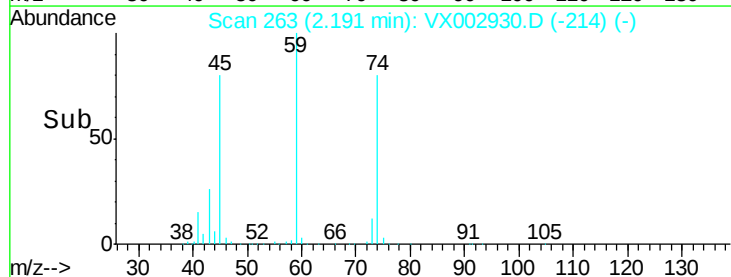
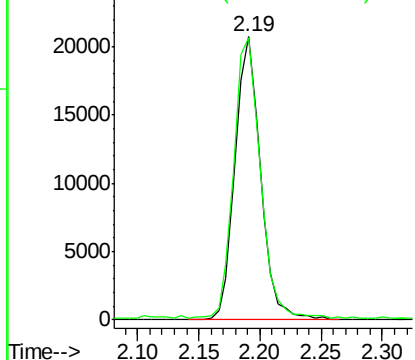
#8

Diethyl Ether
Concen: 17.35 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX002930.D
Acq: 27 Jun 2018 12:32

Tgt Ion: 74 Resp: 29823
Ion Ratio Lower Upper
74 100
45 103.2 53.1 159.4



Abundance Ion 74.00 (73.70 to 74.70): VX0
Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.86 ug/l

RT: 2.39 min Scan# 295

Delta R.T. -0.00 min

Lab File: VX002930.D

Acq: 27 Jun 2018 12:32

Instrument :

MSVOA_X

ClientSampleId :

VX0627MBS01

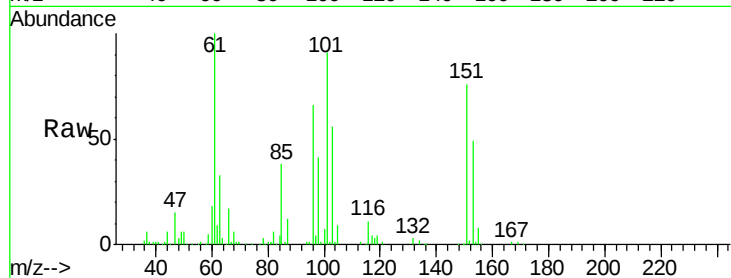
Tot Ion:101 Resp: 48919

Ion Ratio Lower Upper

101 100

85 44.4 36.0 54.0

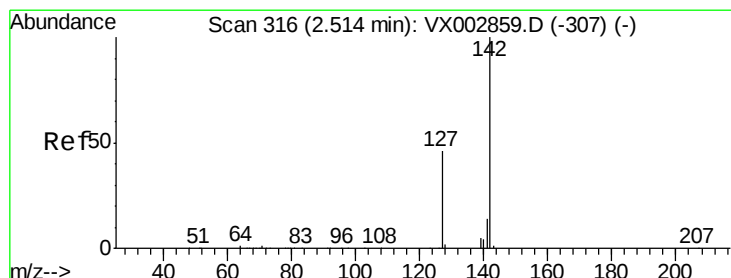
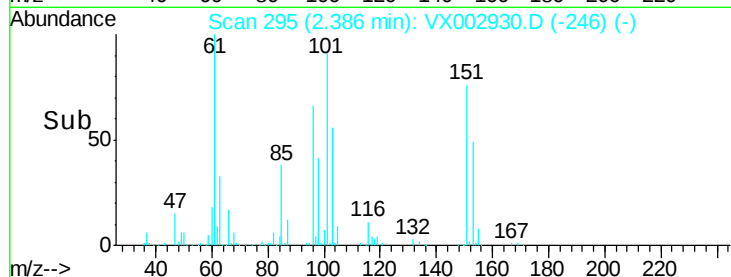
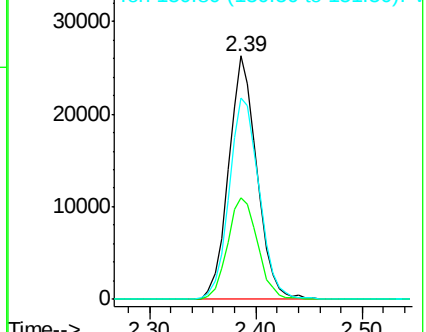
151 88.1 70.9 106.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.24 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX002930.D

Acq: 27 Jun 2018 12:32

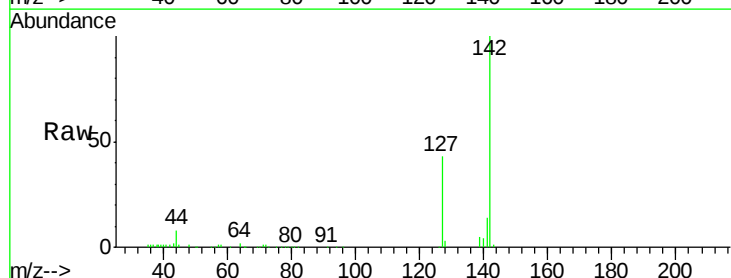
Tgt Ion:142 Resp: 38124

Ion Ratio Lower Upper

142 100

127 45.0 36.6 55.0

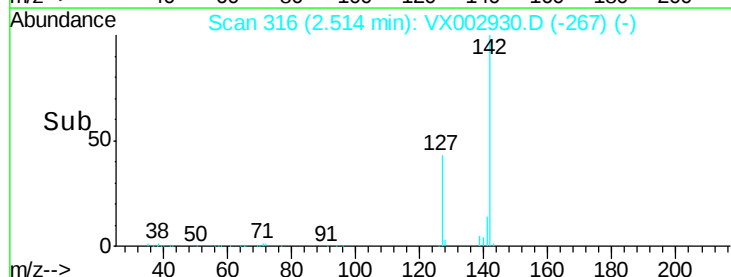
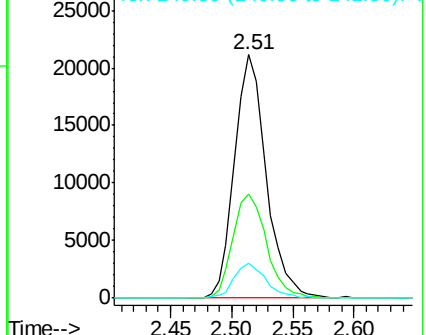
141 14.5 11.3 16.9

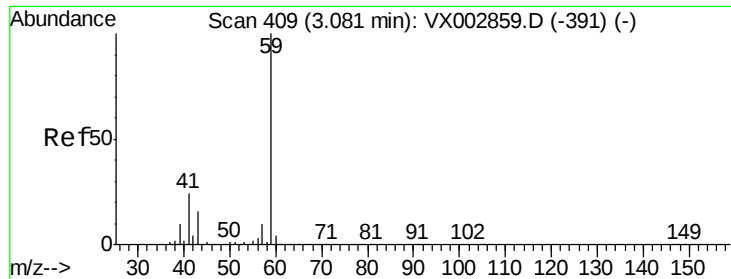


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

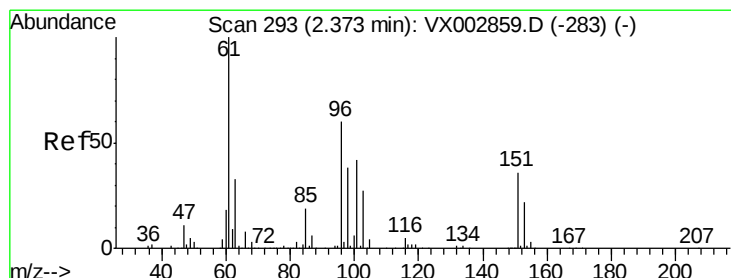
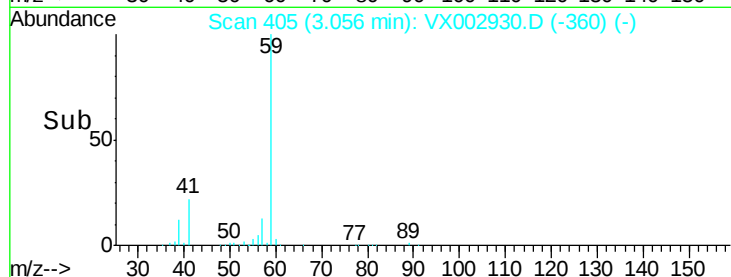
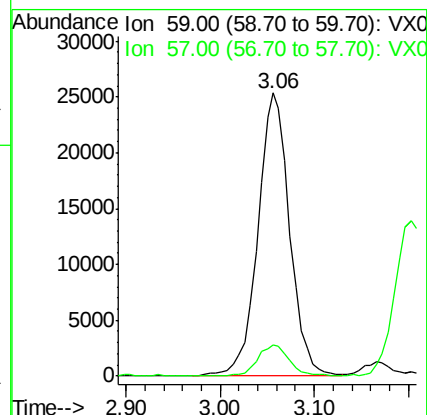
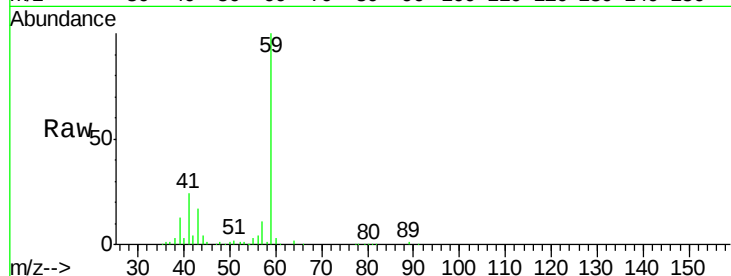




#11
Tert butyl alcohol
Concen: 87.83 ug/l
RT: 3.06 min Scan# 405
Delta R.T. -0.02 min
Lab File: VX002930.D
Acq: 27 Jun 2018 12:32

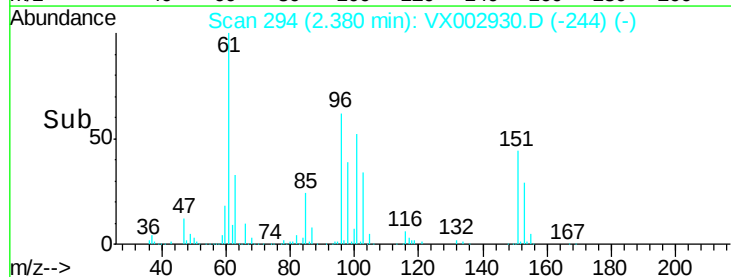
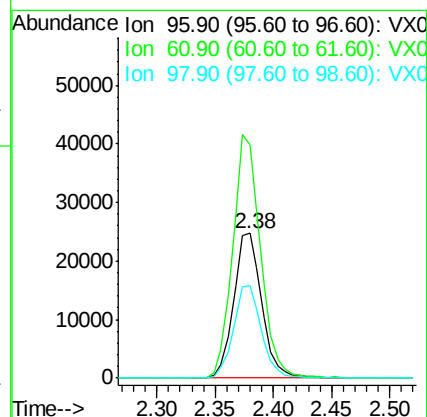
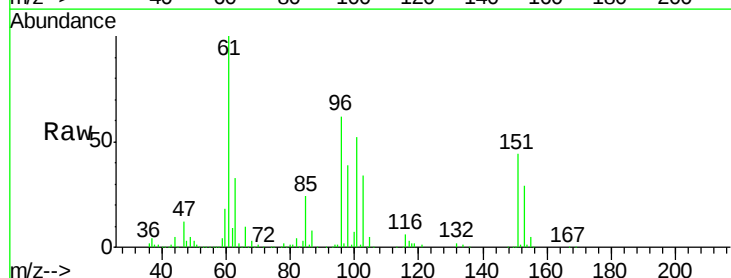
Instrument :
MSVOA_X
ClientSampleId :
VX0627MBS01

Tot Ion: 59 Resp: 59925
Ion Ratio Lower Upper
59 100
57 11.2 8.2 12.2



#12
1,1-Dichloroethene
Concen: 17.00 ug/l
RT: 2.38 min Scan# 294
Delta R.T. 0.01 min
Lab File: VX002930.D
Acq: 27 Jun 2018 12:32

Tgt Ion: 96 Resp: 41534
Ion Ratio Lower Upper
96 100
61 160.9 137.9 206.9
98 63.5 51.6 77.4





#13

Acrolein

Concen: 125.75 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX002930.D

Acq: 27 Jun 2018 12:32

Instrument :

MSVOA_X

ClientSampleId :

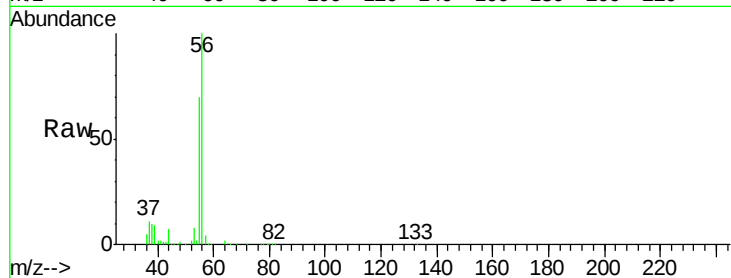
VX0627MBS01

Tot Ion: 56 Resp: 46755

Ion Ratio Lower Upper

56 100

55 71.3 57.0 85.4



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

30000

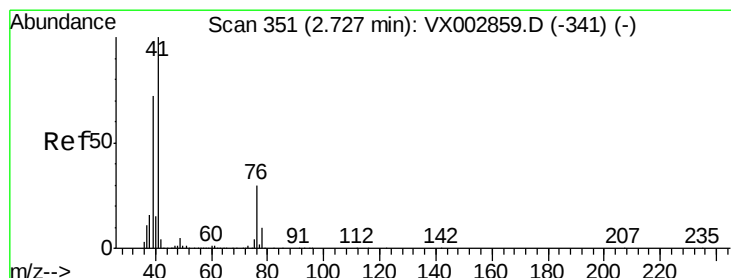
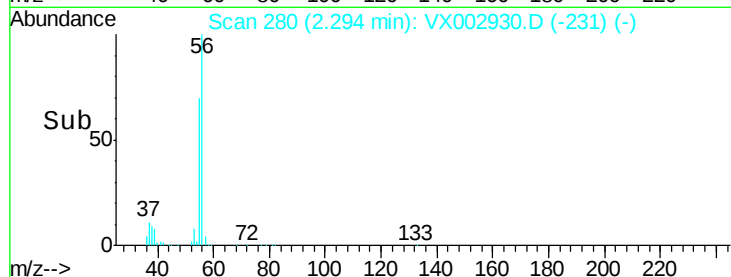
20000

10000

0

Time-->

2.20 2.25 2.30 2.35 2.40



#14

Allyl chloride

Concen: 17.61 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX002930.D

Acq: 27 Jun 2018 12:32

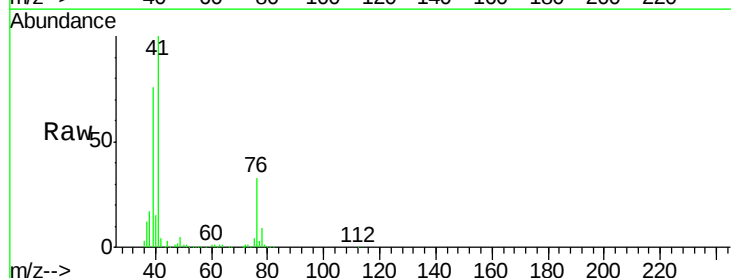
Tgt Ion: 41 Resp: 84812

Ion Ratio Lower Upper

41 100

39 69.6 56.8 85.2

76 30.6 23.8 35.8



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

80000

60000

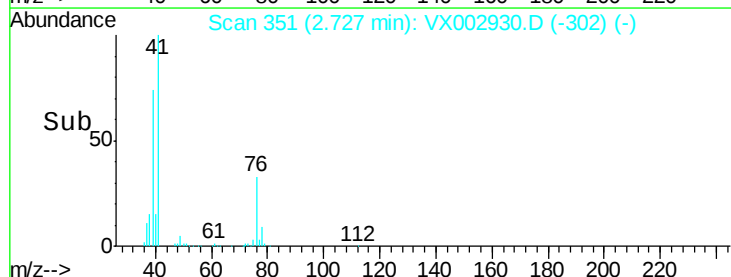
40000

20000

0

Time-->

2.60 2.70 2.80





#15

Acrylonitrile

Concen: 85.23 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX002930.D

Acq: 27 Jun 2018 12:32

Instrument :

MSVOA_X

ClientSampleId :

VX0627MBS01

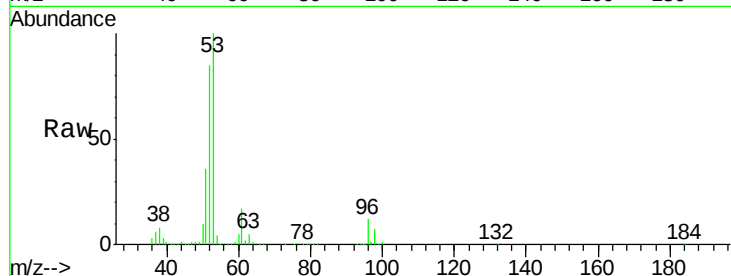
Tot Ion: 53 Resp: 124208

Ion Ratio Lower Upper

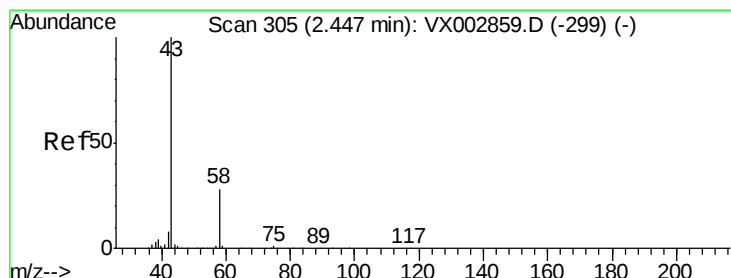
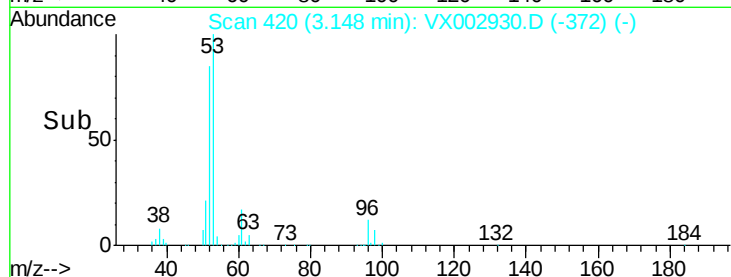
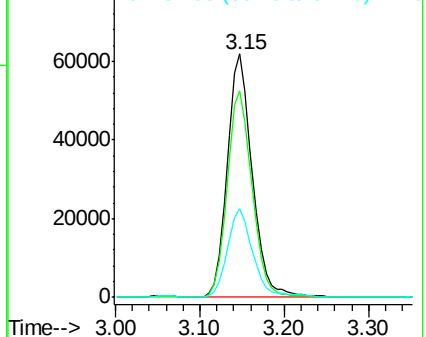
53 100

52 85.0 66.7 100.1

51 37.3 29.9 44.9



Abundance Ion 53.00 (52.70 to 53.70): VX0
Ion 52.00 (51.70 to 52.70): VX0
Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 93.89 ug/l

RT: 2.44 min Scan# 304

Delta R.T. -0.01 min

Lab File: VX002930.D

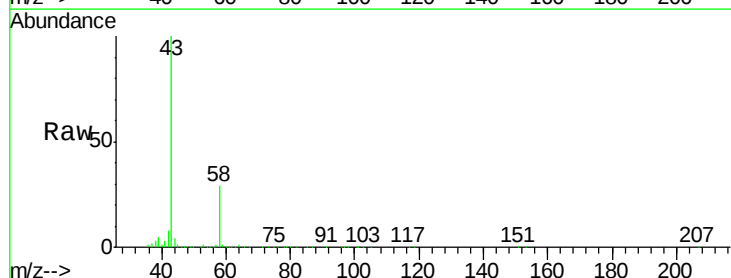
Acq: 27 Jun 2018 12:32

Tgt Ion: 43 Resp: 133165

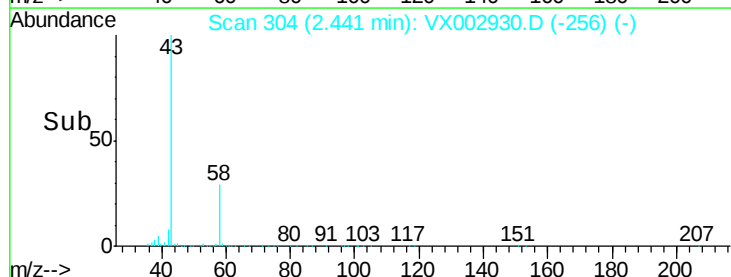
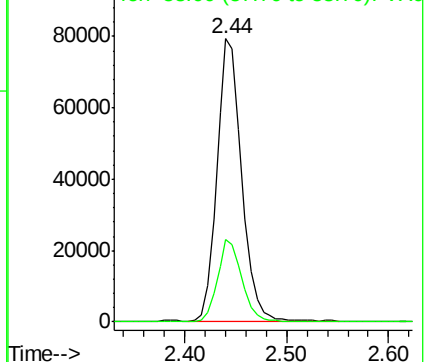
Ion Ratio Lower Upper

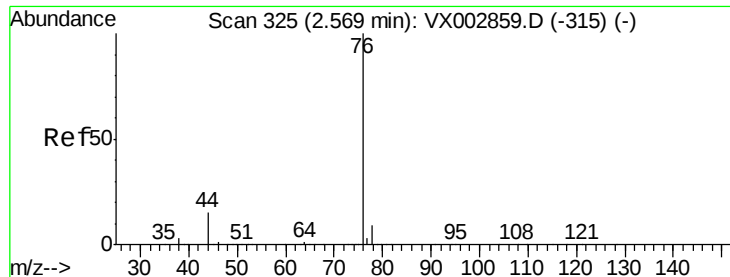
43 100

58 28.9 22.1 33.1



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

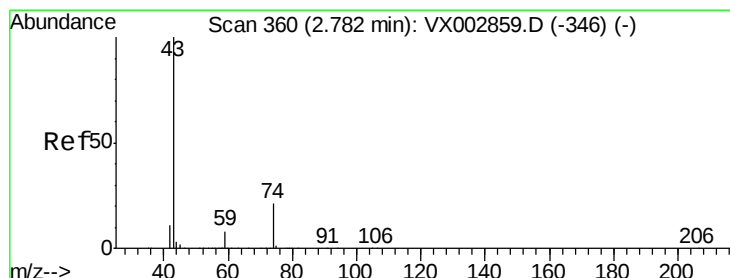
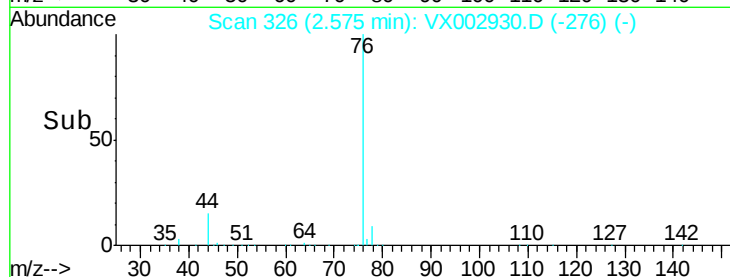
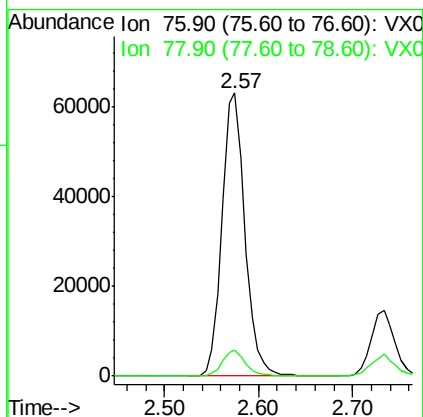
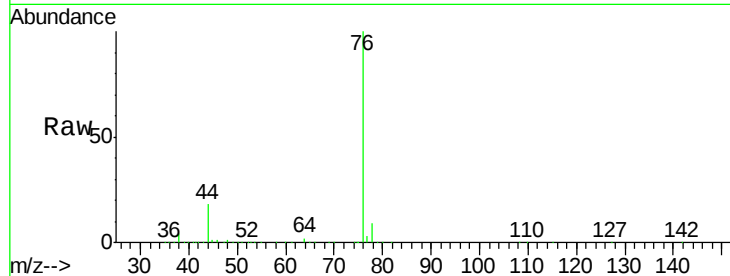




#17
Carbon Disulfide
Concen: 16.41 ug/l
RT: 2.57 min Scan# 326
Delta R.T. 0.01 min
Lab File: VX002930.D
Acq: 27 Jun 2018 12:32

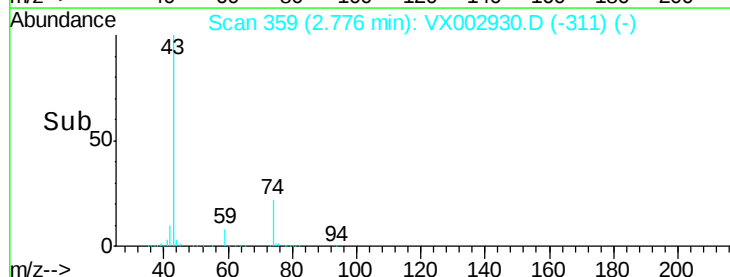
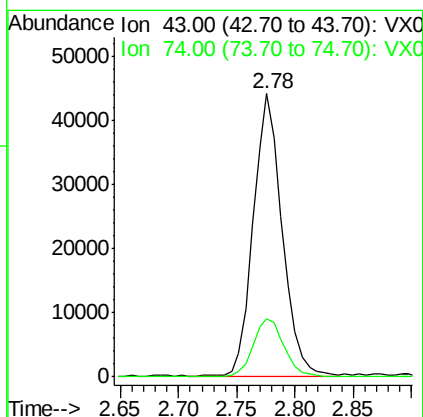
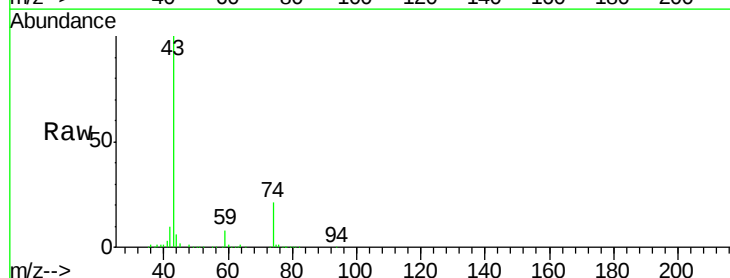
Instrument :
MSVOA_X
ClientSampleId :
VX0627MBS01

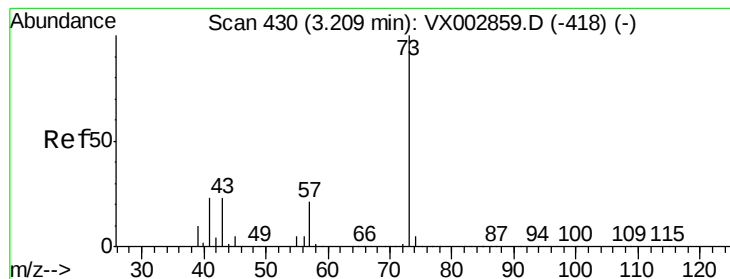
Tot Ion: 76 Resp: 106849
Ion Ratio Lower Upper
76 100
78 9.3 6.9 10.3



#18
Methyl Acetate
Concen: 19.26 ug/l
RT: 2.78 min Scan# 359
Delta R.T. -0.01 min
Lab File: VX002930.D
Acq: 27 Jun 2018 12:32

Tgt Ion: 43 Resp: 76383
Ion Ratio Lower Upper
43 100
74 22.4 16.7 25.1





#19

Methyl tert-butyl Ether

Concen: 17.42 ug/l

RT: 3.20 min Scan# 429

Delta R.T. -0.01 min

Lab File: VX002930.D

Acq: 27 Jun 2018 12:32

Instrument :

MSVOA_X

ClientSampleId :

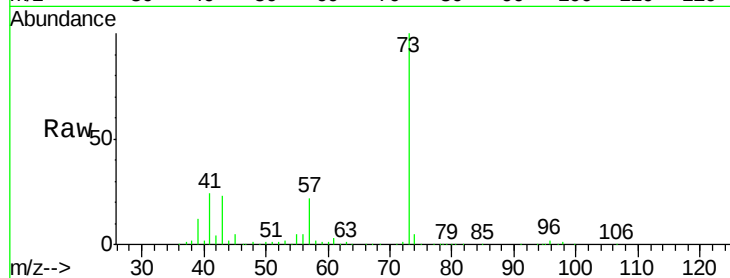
VX0627MBS01

Tot Ion: 73 Resp: 153053

Ion Ratio Lower Upper

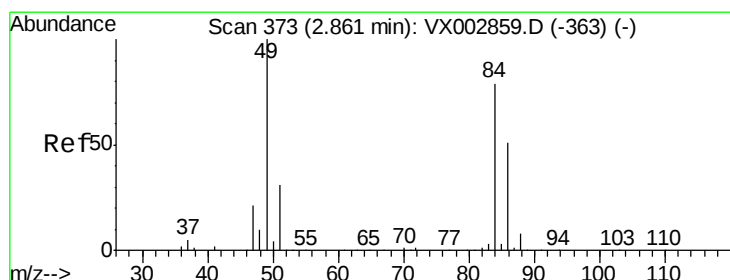
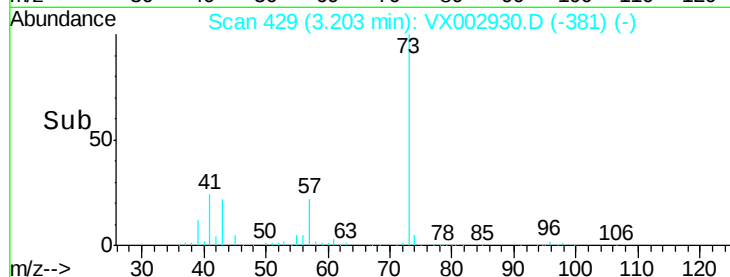
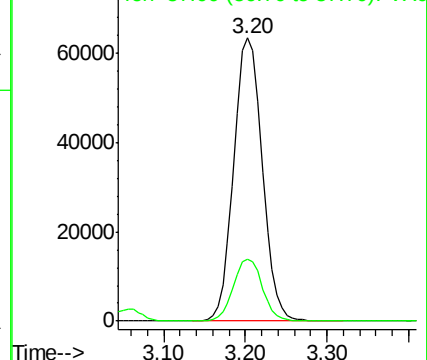
73 100

57 21.8 17.7 26.5



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



#20

Methylene Chloride

Concen: 17.69 ug/l

RT: 2.86 min Scan# 372

Delta R.T. -0.01 min

Lab File: VX002930.D

Acq: 27 Jun 2018 12:32

Tgt Ion: 84 Resp: 48828

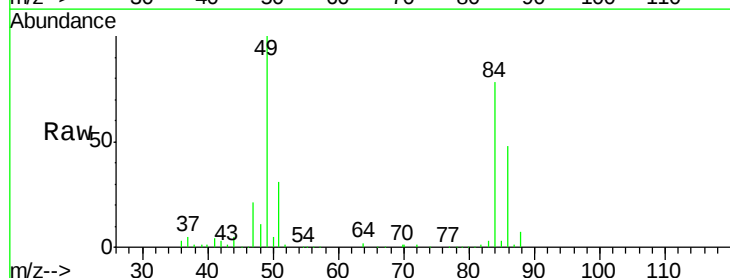
Ion Ratio Lower Upper

84 100

49 128.4 107.8 161.6

51 39.6 32.8 49.2

86 61.5 52.5 78.7

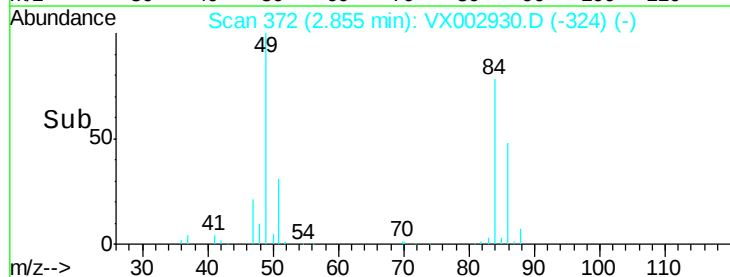
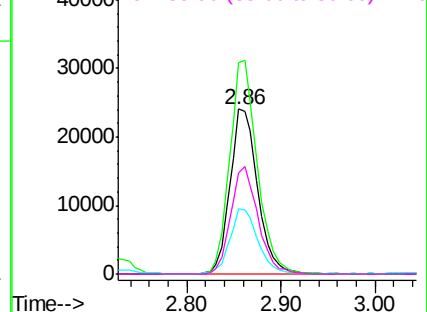


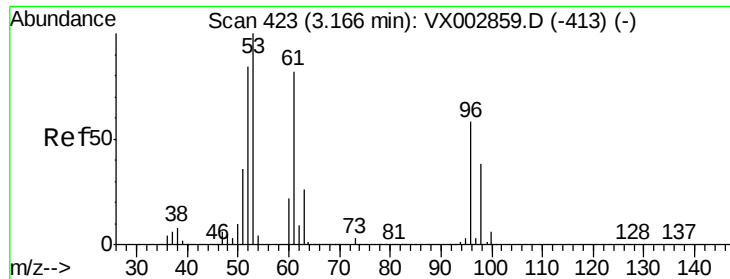
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#21

trans-1,2-Dichloroethene

Concen: 16.93 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX002930.D

Acq: 27 Jun 2018 12:32

Instrument :

MSVOA_X

ClientSampleId :

VX0627MBS01

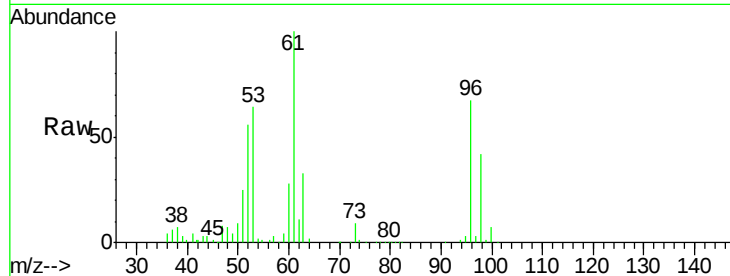
Tot Ion: 96 Resp: 45066

Ion Ratio Lower Upper

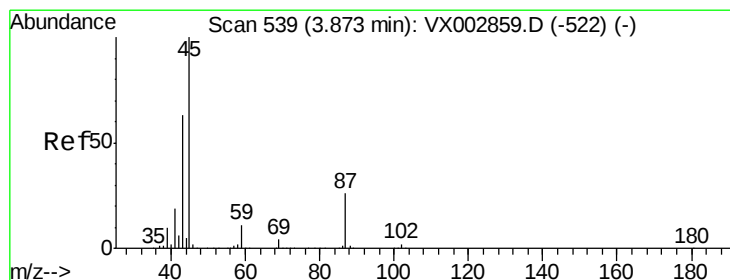
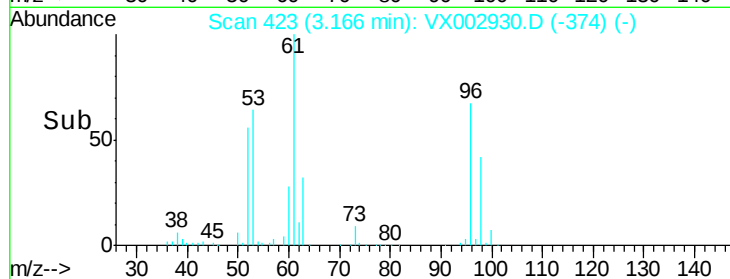
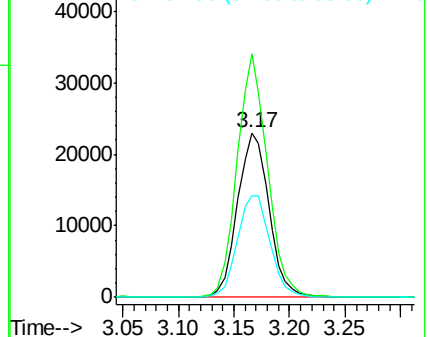
96 100

61 148.2 117.0 175.4

98 61.6 52.4 78.6



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



#22

Diisopropyl ether

Concen: 18.06 ug/l

RT: 3.87 min Scan# 539

Delta R.T. 0.00 min

Lab File: VX002930.D

Acq: 27 Jun 2018 12:32

Tgt Ion: 45 Resp: 166281

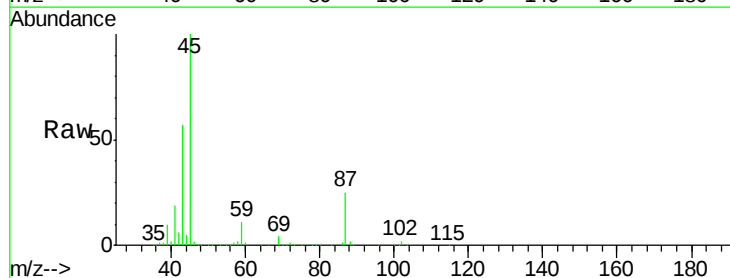
Ion Ratio Lower Upper

45 100

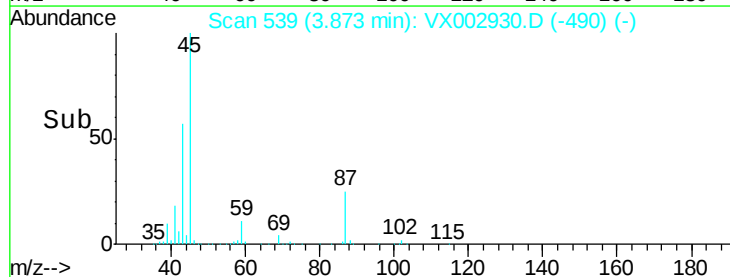
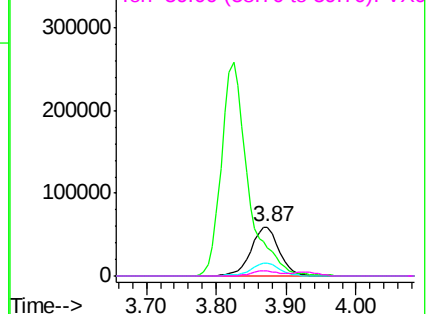
43 56.6 46.8 70.2

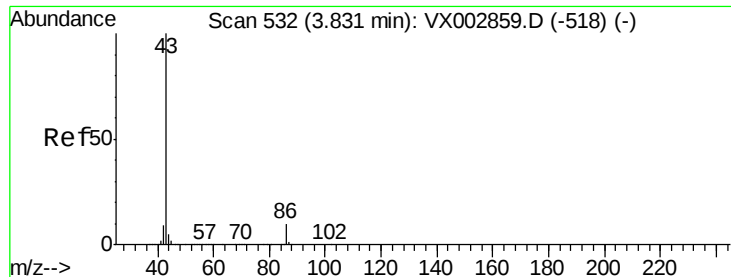
87 24.9 20.2 30.4

59 11.2 8.7 13.1



Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 87.82 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.01 min

Lab File: VX002930.D

Acq: 27 Jun 2018 12:32

Instrument :

MSVOA_X

ClientSampleId :

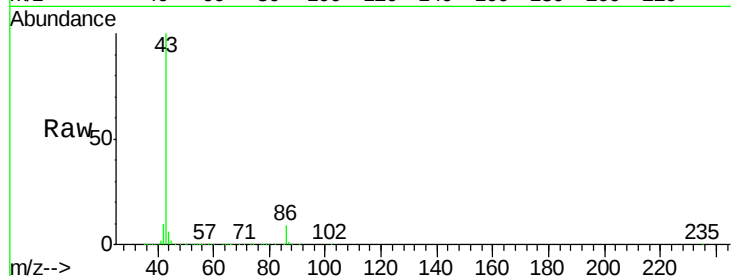
VX0627MBS01

Tot Ion: 43 Resp: 684781

Ion Ratio Lower Upper

43 100

86 9.4 7.4 11.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.82

250000

200000

150000

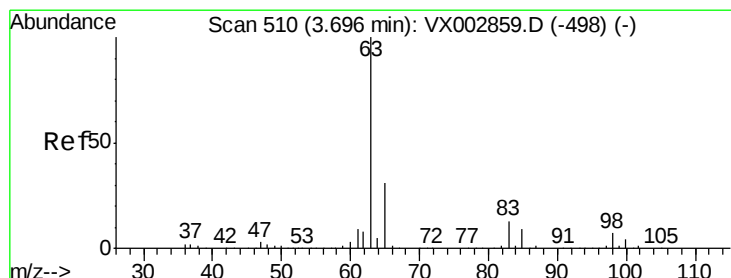
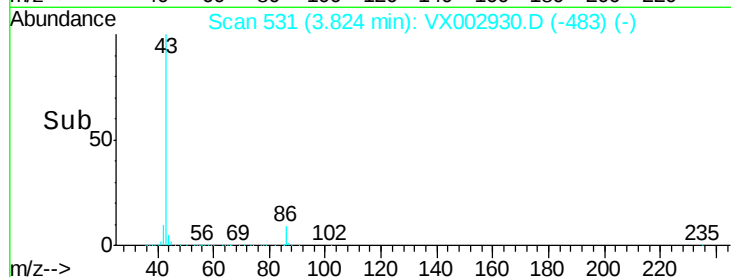
100000

50000

0

Time-->

3.70 3.80 3.90 4.00 4.10



#24

1,1-Dichloroethane

Concen: 17.99 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX002930.D

Acq: 27 Jun 2018 12:32

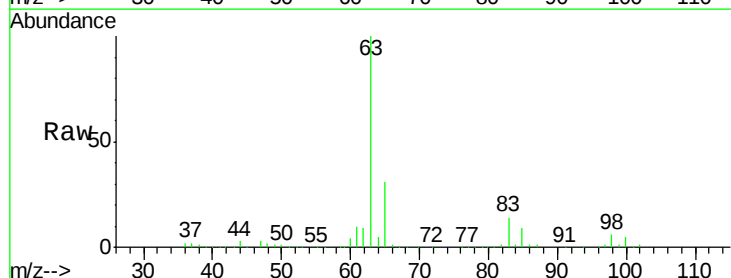
Tgt Ion: 63 Resp: 90045

Ion Ratio Lower Upper

63 100

98 6.0 3.4 10.2

100 4.5 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

3.70

50000

40000

30000

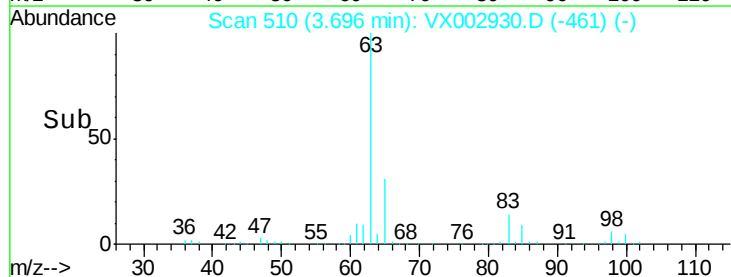
20000

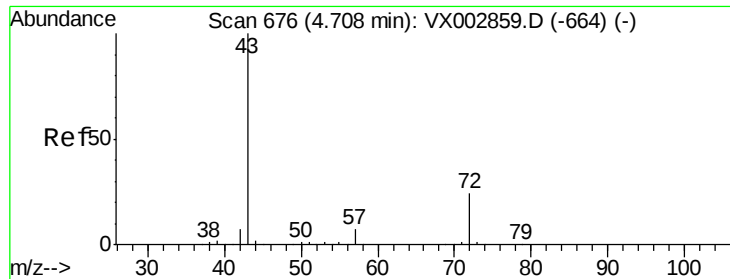
10000

0

Time-->

3.60 3.70 3.80





#25

2-Butanone

Concen: 89.12 ug/l

RT: 4.70 min Scan# 675

Delta R.T. -0.01 min

Lab File: VX002930.D

Acq: 27 Jun 2018 12:32

Instrument :

MSVOA_X

ClientSampleId :

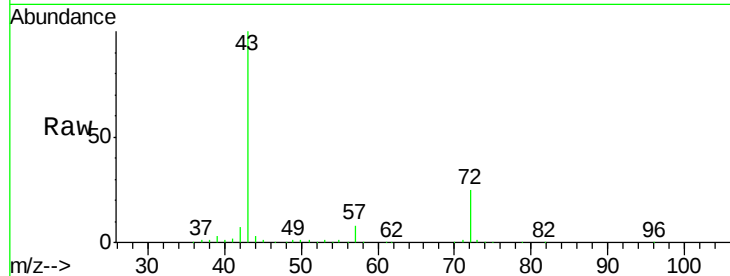
VX0627MBS01

Tot Ion: 43 Resp: 187591

Ion Ratio Lower Upper

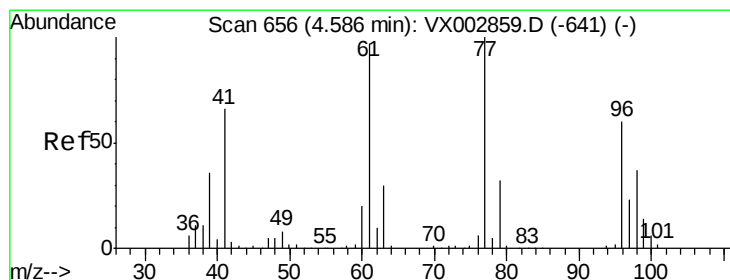
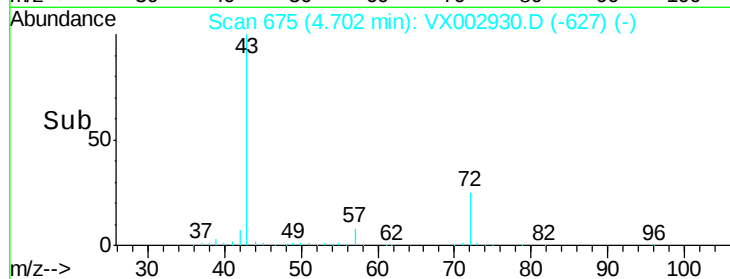
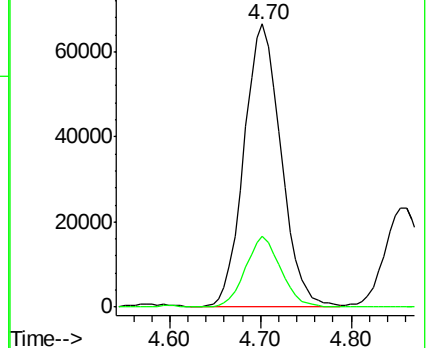
43 100

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



#26

2,2-Dichloropropane

Concen: 17.72 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX002930.D

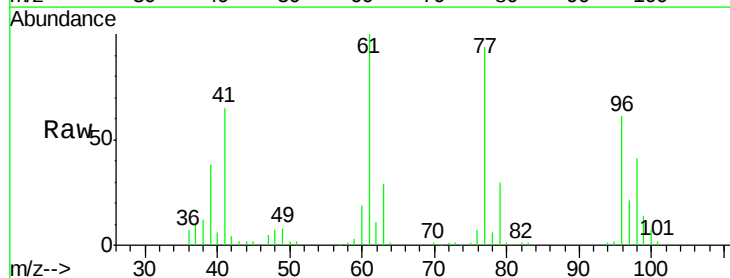
Acq: 27 Jun 2018 12:32

Tgt Ion: 77 Resp: 72111

Ion Ratio Lower Upper

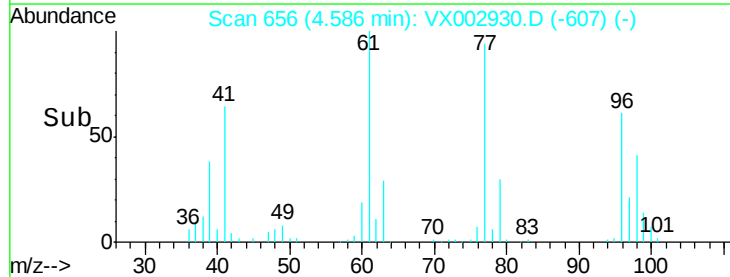
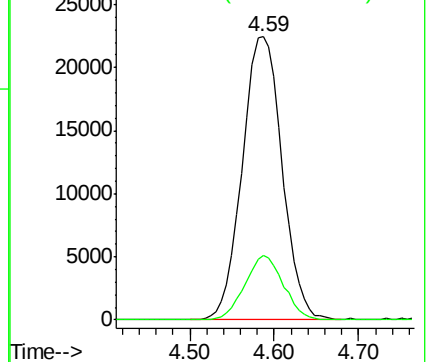
77 100

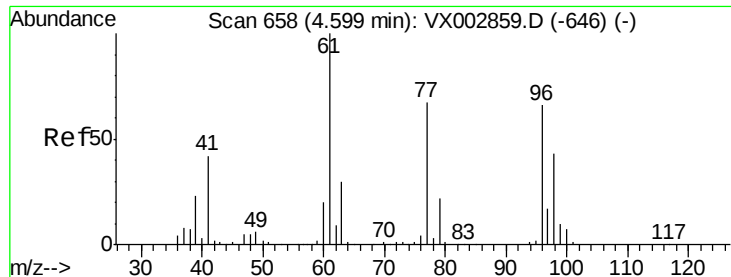
97 22.0 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



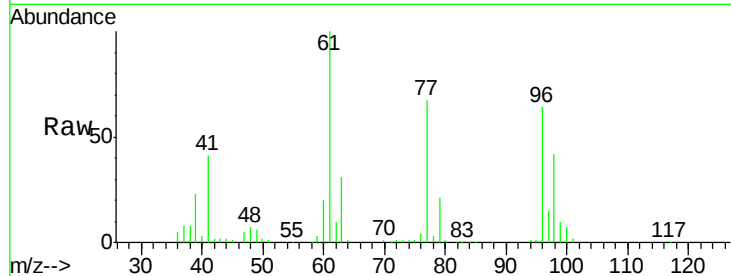


#27

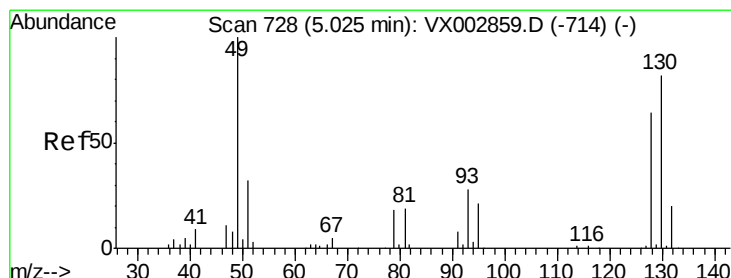
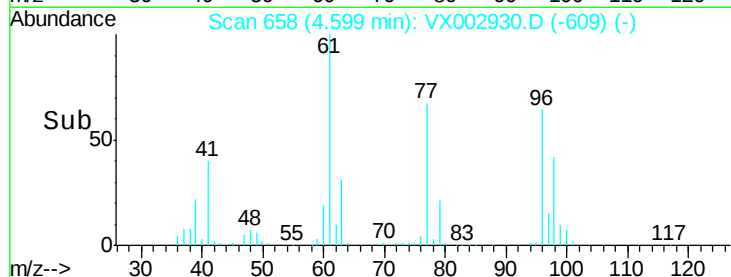
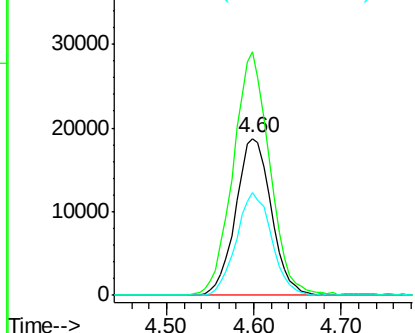
cis-1,2-Dichloroethene
Concen: 17.78 ug/l
RT: 4.60 min Scan# 658
Delta R.T. -0.00 min
Lab File: VX002930.D
Acq: 27 Jun 2018 12:32

Instrument :
MSVOA_X
ClientSampleId :
VX0627MBS01

Tot Ion: 96 Resp: 53064
Ion Ratio Lower Upper
96 100
61 159.3 0.0 330.2
98 64.9 0.0 130.2



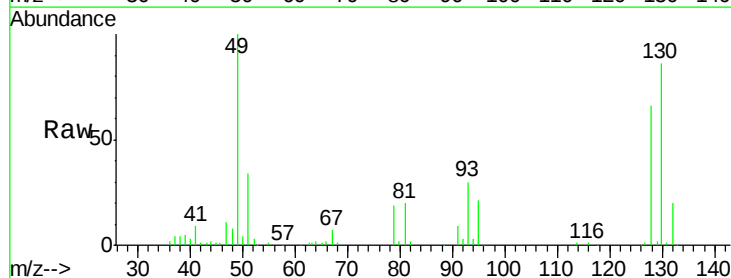
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



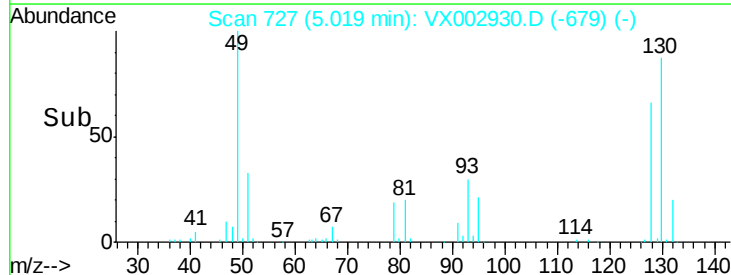
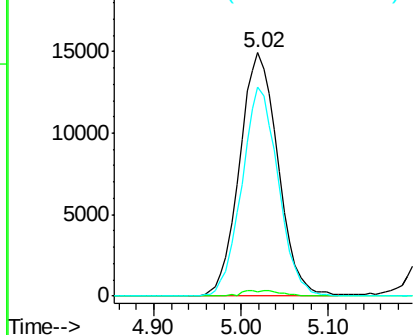
#28

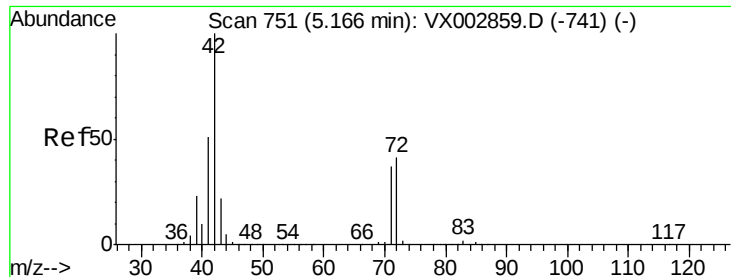
Bromochloromethane
Concen: 19.08 ug/l
RT: 5.02 min Scan# 727
Delta R.T. -0.01 min
Lab File: VX002930.D
Acq: 27 Jun 2018 12:32

Tgt Ion: 49 Resp: 45707
Ion Ratio Lower Upper
49 100
129 1.1 0.0 4.2
130 81.4 61.2 91.8



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

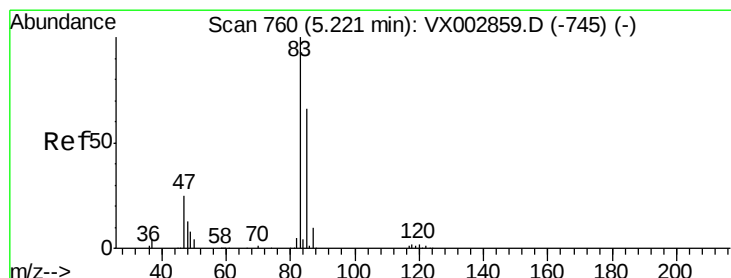
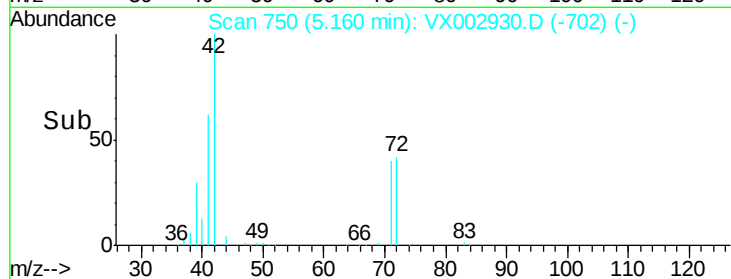
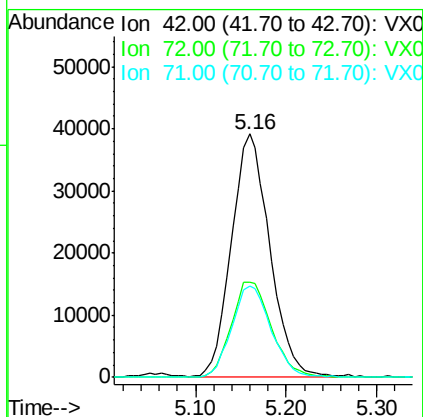
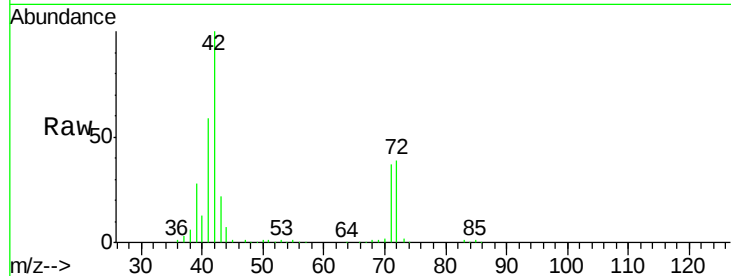




#29
Tetrahydrofuran
Concen: 84.25 ug/l
RT: 5.16 min Scan# 750
Delta R.T. -0.01 min
Lab File: VX002930.D
Acq: 27 Jun 2018 12:32

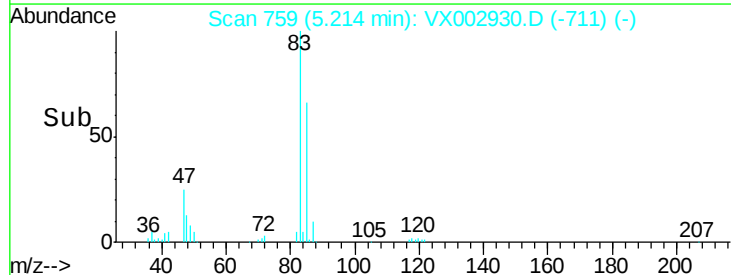
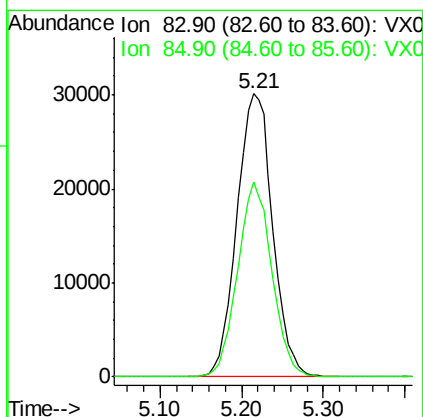
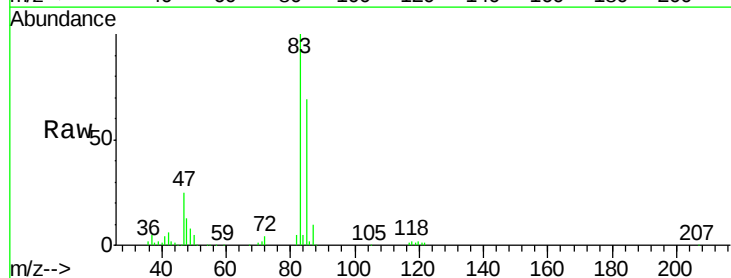
Instrument :
MSVOA_X
ClientSampled :
VX0627MBS01

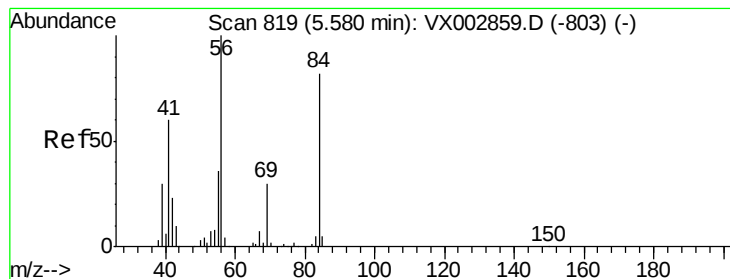
Tot Ion: 42 Resp: 113734
Ion Ratio Lower Upper
42 100
72 41.8 32.0 48.0
71 39.2 30.1 45.1



#30
Chloroform
Concen: 17.83 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX002930.D
Acq: 27 Jun 2018 12:32

Tgt Ion: 83 Resp: 91578
Ion Ratio Lower Upper
83 100
85 68.9 50.4 75.6





#31

Cyclohexane

Concen: 17.13 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.00 min

Lab File: VX002930.D

Acq: 27 Jun 2018 12:32

Instrument :

MSVOA_X

ClientSampleId :

VX0627MBS01

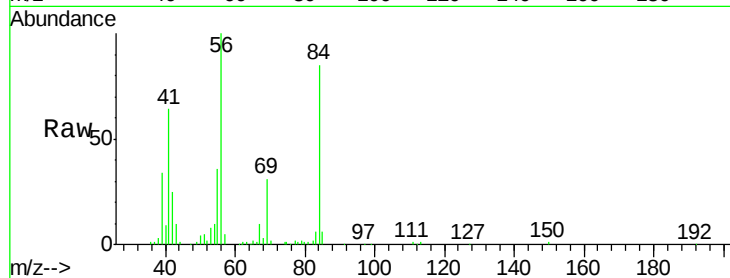
Tot Ion: 56 Resp: 73578

Ion Ratio Lower Upper

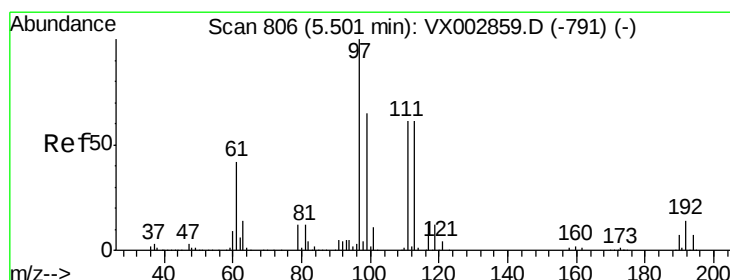
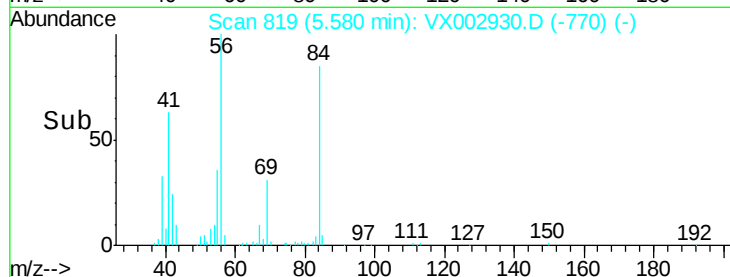
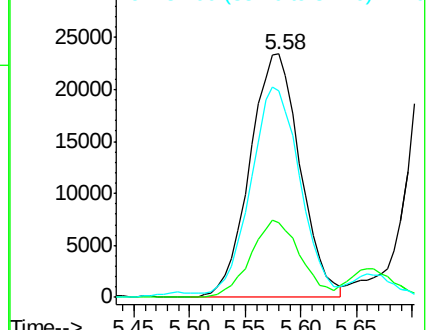
56 100

69 30.7 23.7 35.5

84 83.0 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



#32

1,1,1-Trichloroethane

Concen: 17.74 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX002930.D

Acq: 27 Jun 2018 12:32

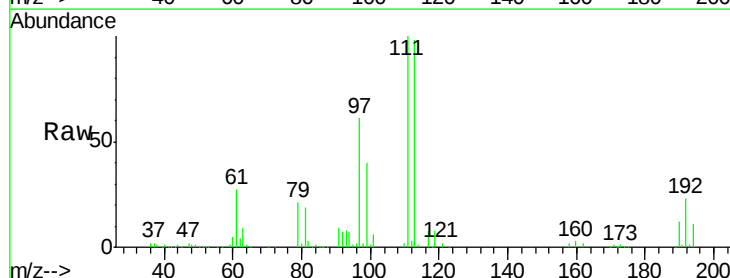
Tgt Ion: 97 Resp: 80176

Ion Ratio Lower Upper

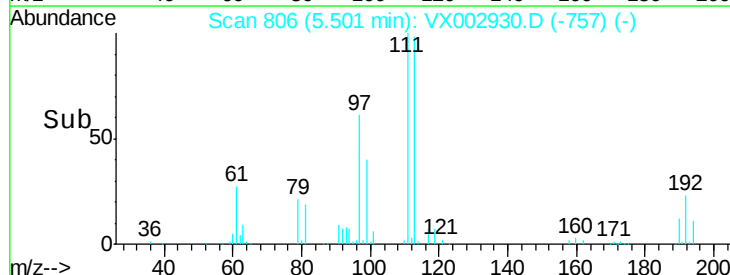
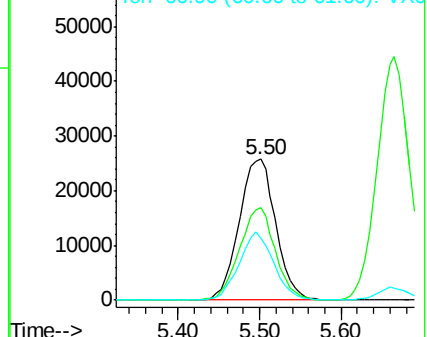
97 100

99 64.1 51.6 77.4

61 45.9 36.4 54.6



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0

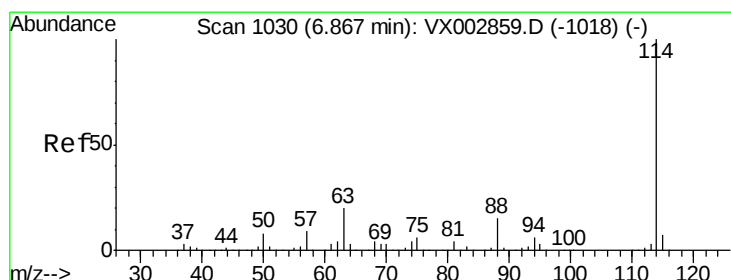
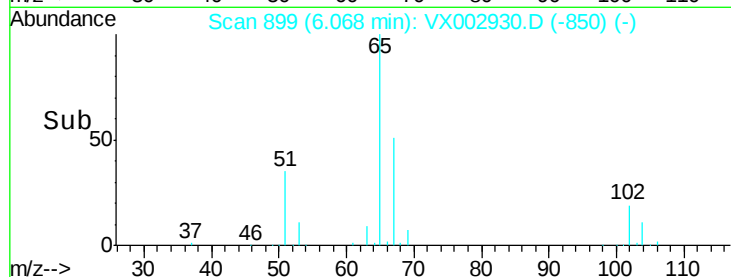
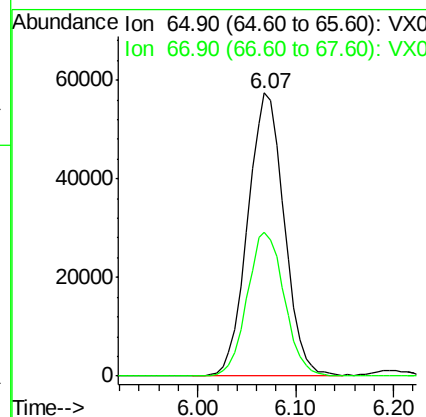
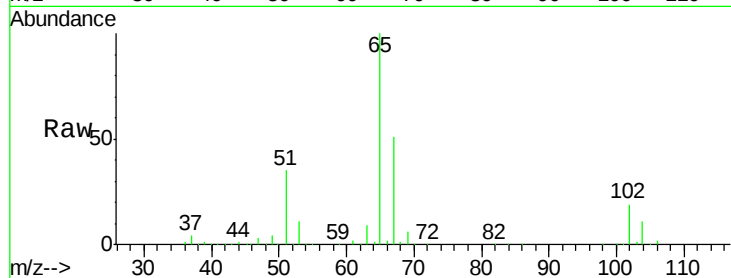




#33
 1,2-Dichloroethane-d4
 Concen: 43.40 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VX002930.D
 Acq: 27 Jun 2018 12:32

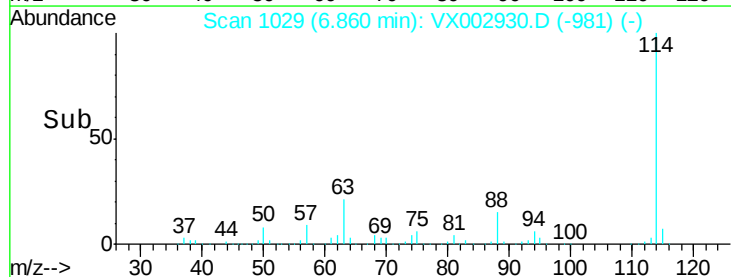
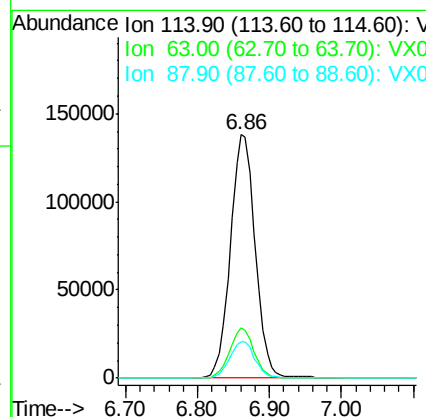
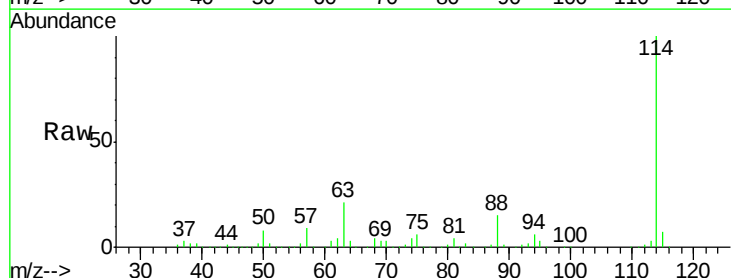
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0627MBS01

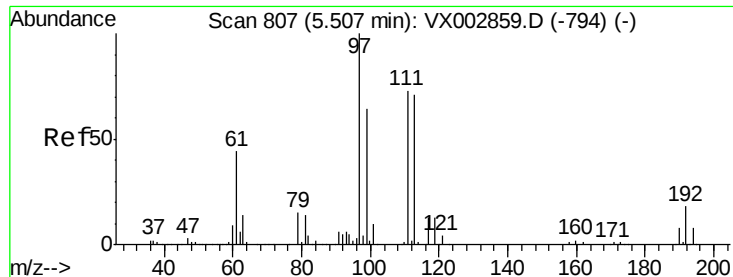
Tot Ion: 65 Resp: 148657
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX002930.D
 Acq: 27 Jun 2018 12:32

Tgt Ion: 114 Resp: 331315
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 41.4
 88 15.2 0.0 30.0

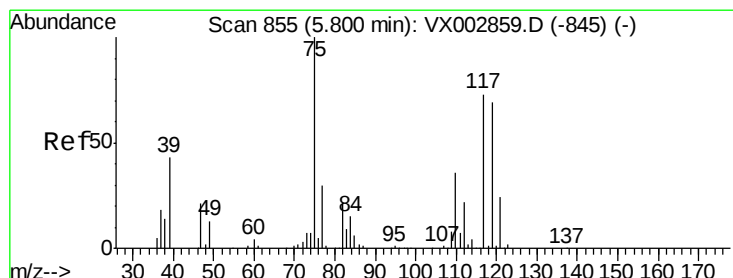
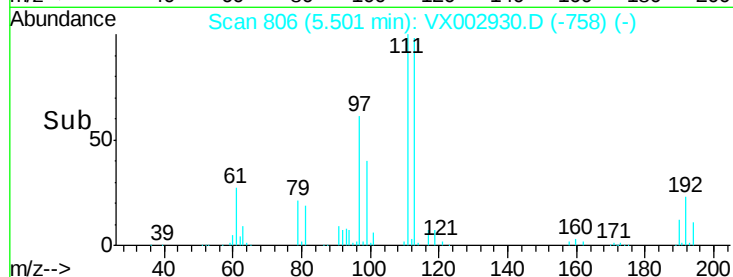
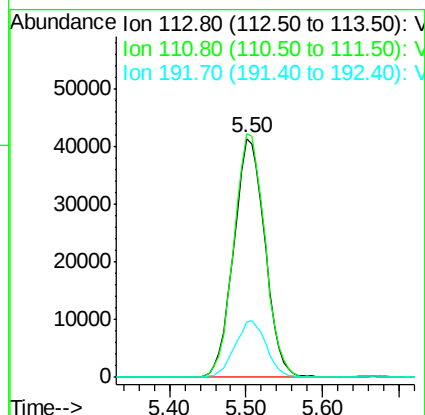
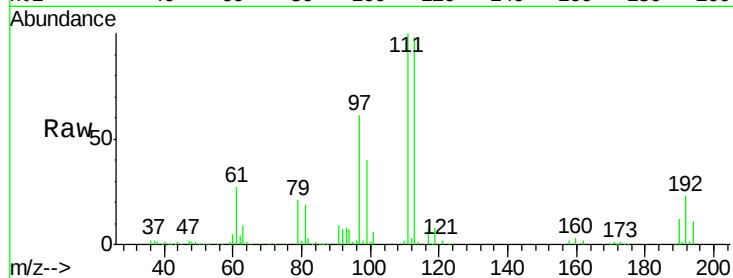




#35
 Dibromofluoromethane
 Concen: 44.81 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. -0.01 min
 Lab File: VX002930.D
 Acq: 27 Jun 2018 12:32

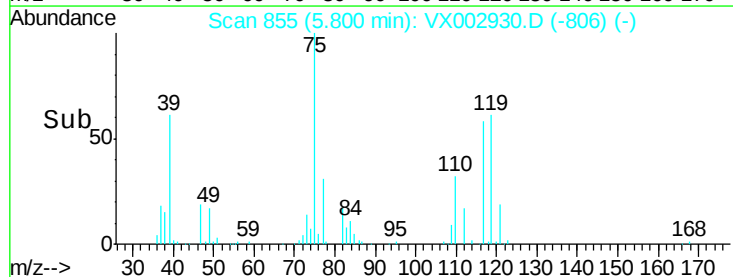
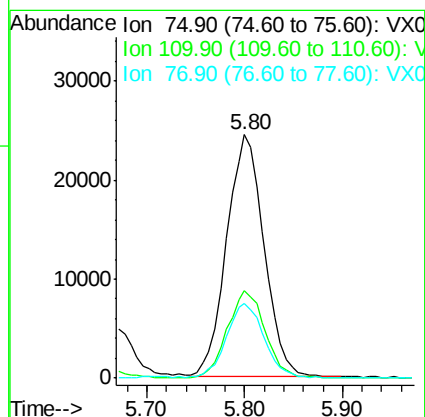
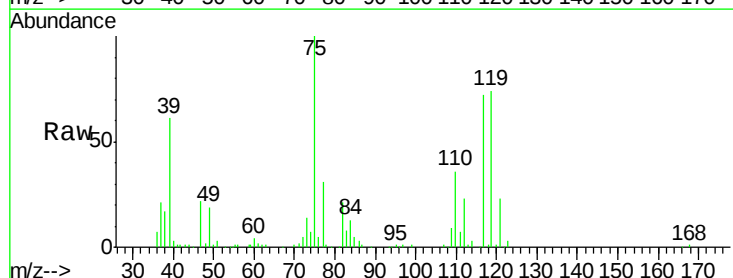
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0627MBS01

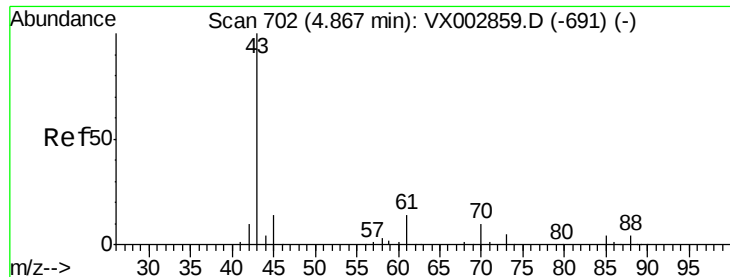
Tot Ion:113 Resp: 117562
 Ion Ratio Lower Upper
 113 100
 111 101.7 81.4 122.0
 192 23.8 19.1 28.7



#36
 1,1-Dichloropropene
 Concen: 17.83 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VX002930.D
 Acq: 27 Jun 2018 12:32

Tgt Ion: 75 Resp: 64764
 Ion Ratio Lower Upper
 75 100
 110 36.8 18.1 54.4
 77 31.4 24.3 36.5





#37

Ethyl Acetate

Concen: 17.59 ug/l

RT: 4.86 min Scan# 701

Delta R.T. -0.01 min

Lab File: VX002930.D

Acq: 27 Jun 2018 12:32

Instrument :

MSVOA_X

ClientSampleId :

VX0627MBS01

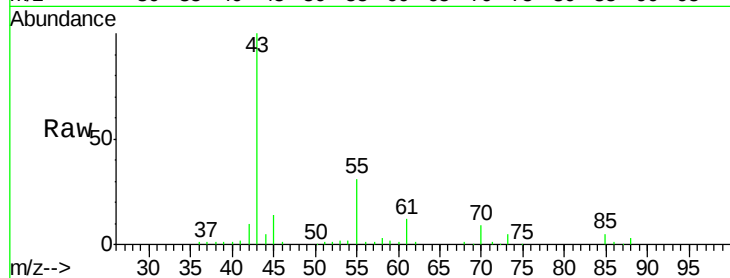
Tot Ion: 43 Resp: 68805

Ion Ratio Lower Upper

43 100

61 13.8 10.4 15.6

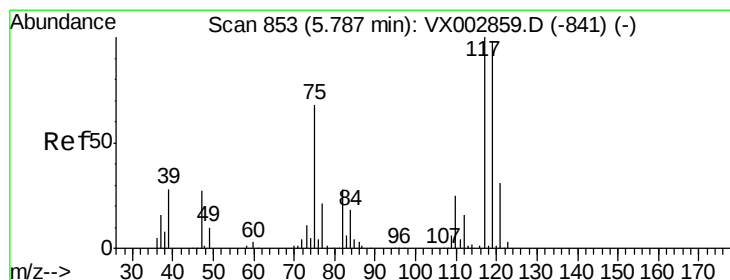
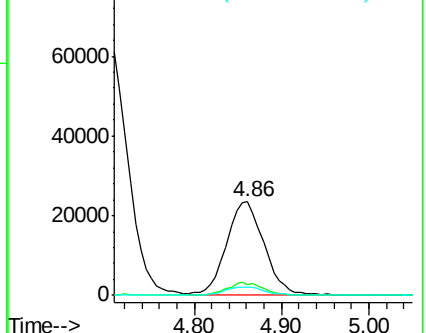
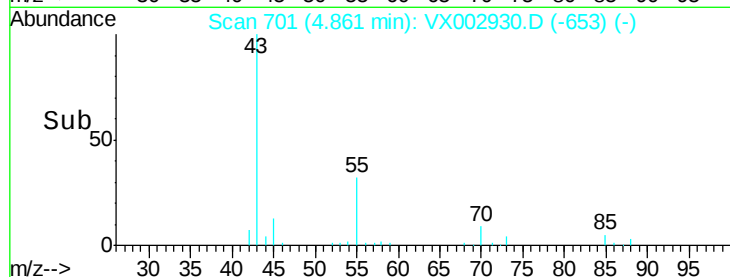
70 9.7 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 17.73 ug/l

RT: 5.78 min Scan# 852

Delta R.T. -0.01 min

Lab File: VX002930.D

Acq: 27 Jun 2018 12:32

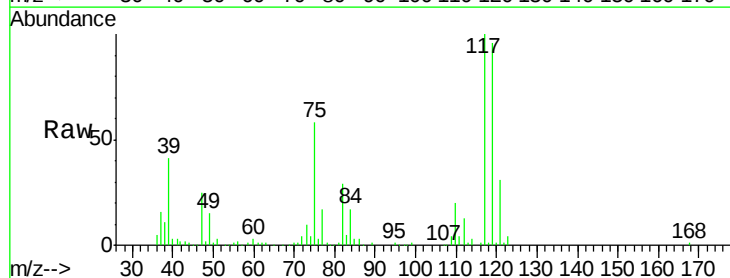
Tgt Ion: 117 Resp: 70710

Ion Ratio Lower Upper

117 100

119 95.7 77.4 116.0

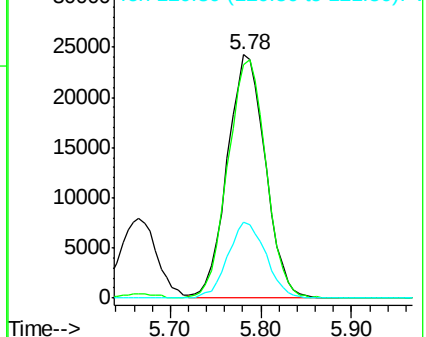
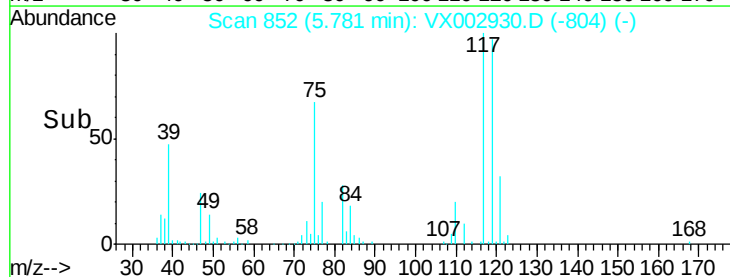
121 31.2 24.4 36.6

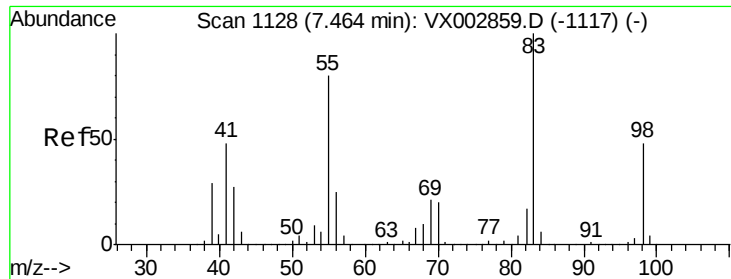


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

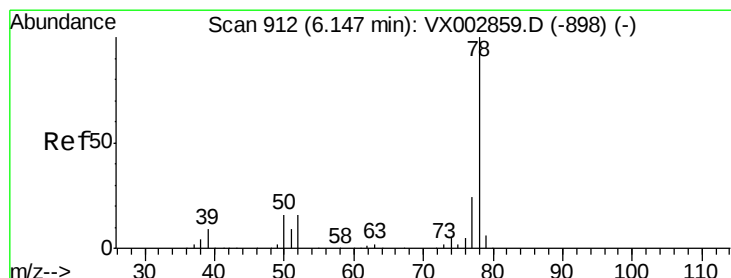
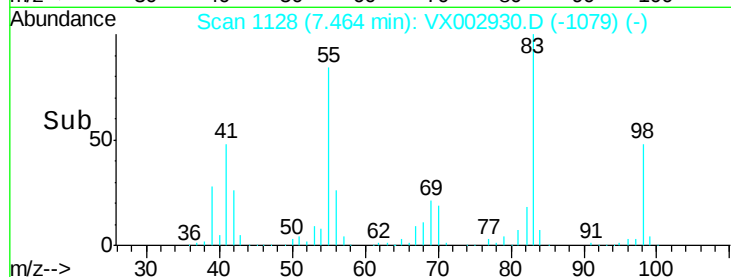
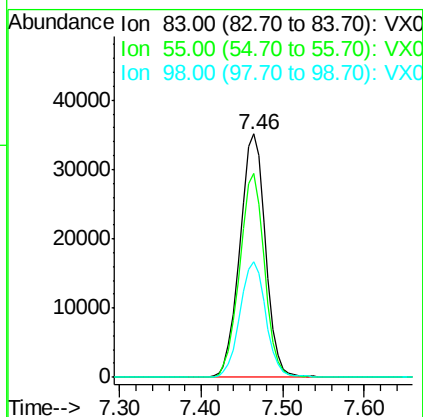
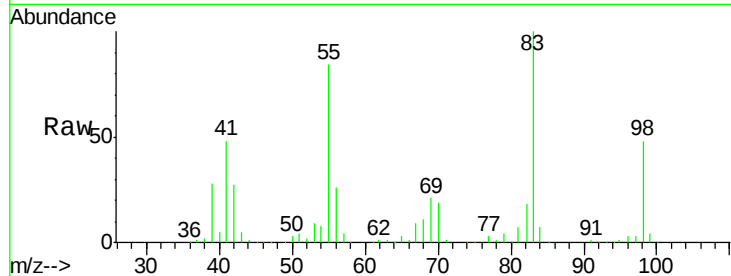




#39
Methvlcvclohexane
Concen: 18.01 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX002930.D
Acq: 27 Jun 2018 12:32

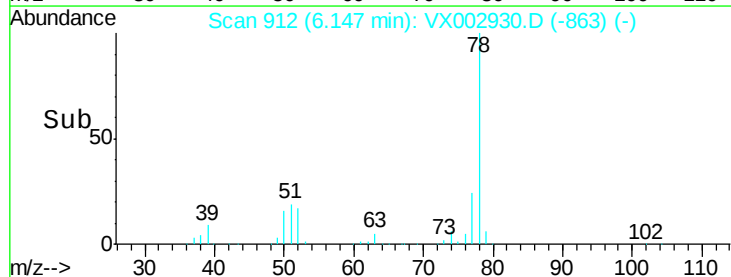
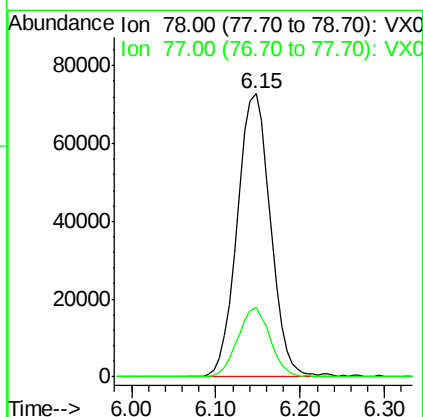
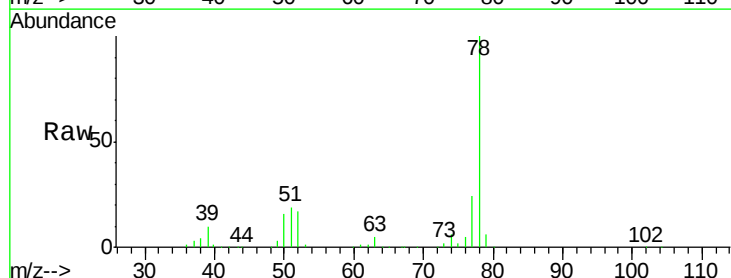
Instrument :
MSVOA_X
ClientSampleId :
VX0627MBS01

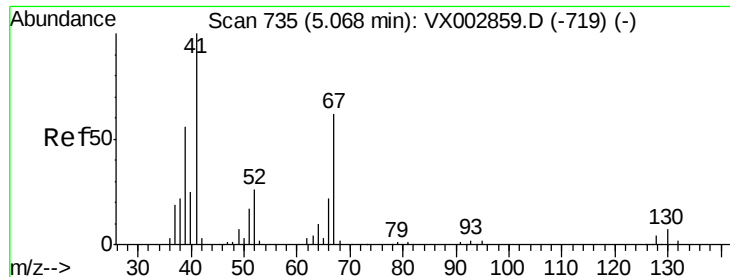
Tot Ion: 83 Resp: 76204
Ion Ratio Lower Upper
83 100
55 83.3 65.4 98.0
98 47.6 37.4 56.0



#40
Benzene
Concen: 18.39 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX002930.D
Acq: 27 Jun 2018 12:32

Tgt Ion: 78 Resp: 194124
Ion Ratio Lower Upper
78 100
77 24.5 19.1 28.7

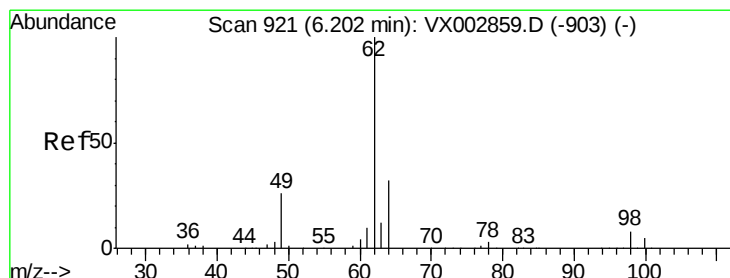
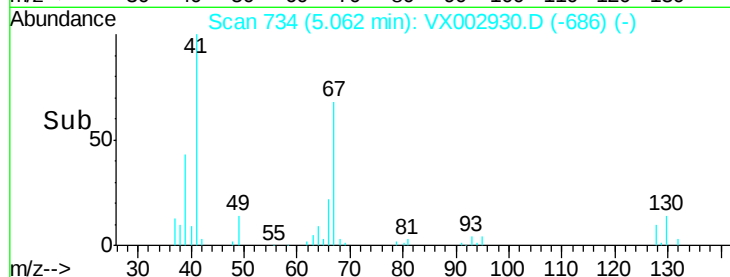
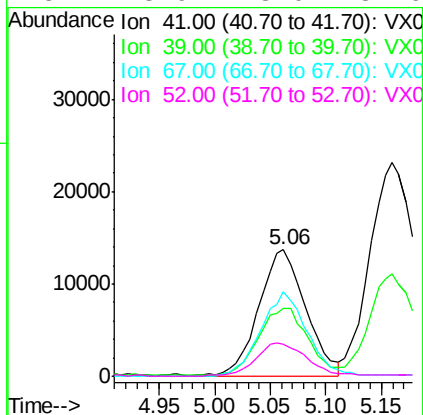
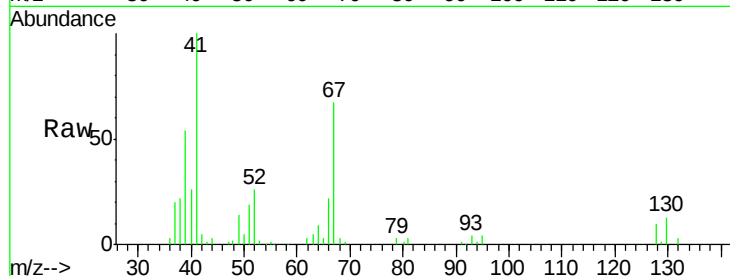




#41
Methacrylonitrile
Concen: 17.72 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.01 min
Lab File: VX002930.D
Acq: 27 Jun 2018 12:32

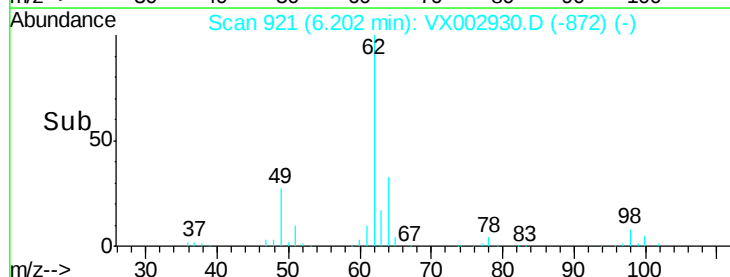
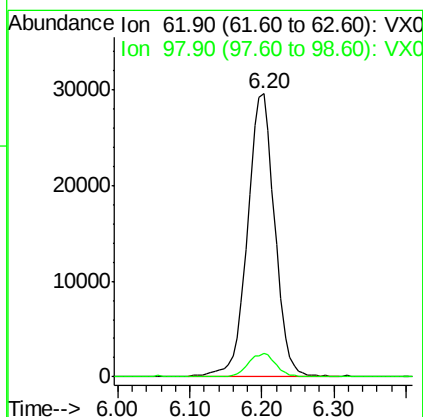
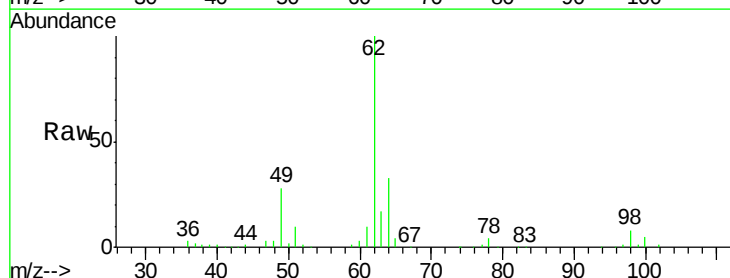
Instrument :
MSVOA_X
ClientSampleId :
VX0627MBS01

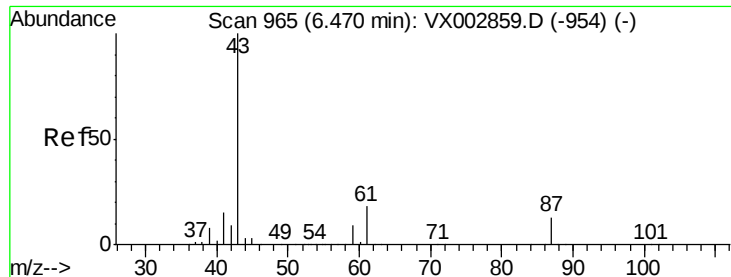
Tot Ion:	41	Resp:	39915
Ion	Ratio	Lower	Upper
41	100		
39	56.6	45.8	68.6
67	66.7	51.3	76.9
52	28.9	23.0	34.6



#42
1,2-Dichloroethane
Concen: 18.24 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX002930.D
Acq: 27 Jun 2018 12:32

Tgt Ion:	62	Resp:	77788
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	16.6



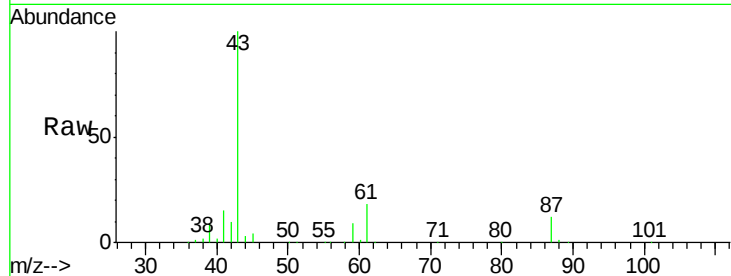


#43

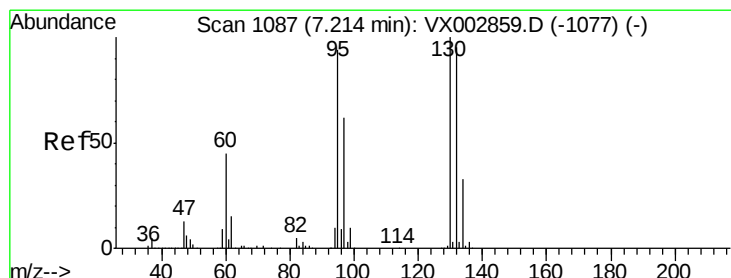
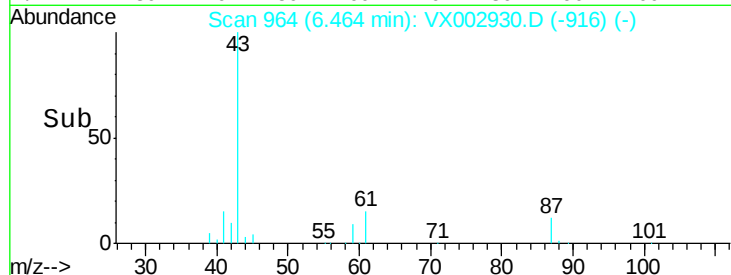
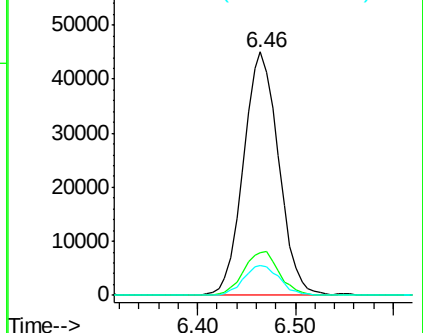
Isopropyl Acetate
 Concen: 17.20 ug/l
 RT: 6.46 min Scan# 964
 Delta R.T. -0.01 min
 Lab File: VX002930.D
 Acq: 27 Jun 2018 12:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0627MBS01

Tot Ion	43	Resp	112850
Ion Ratio	Lower	Upper	
43	100		
61	18.2	14.4	21.6
87	12.4	9.5	14.3



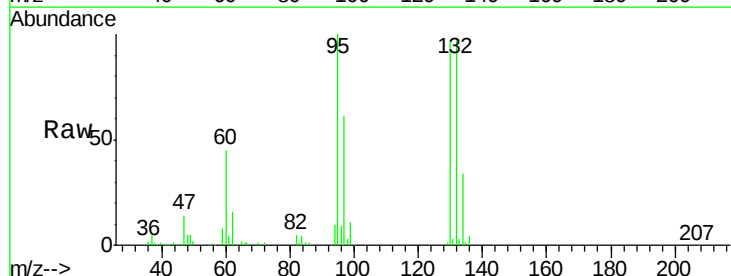
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



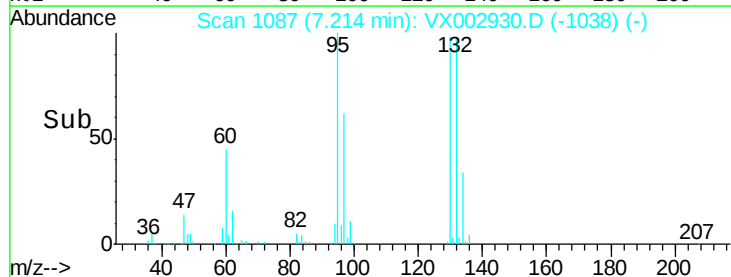
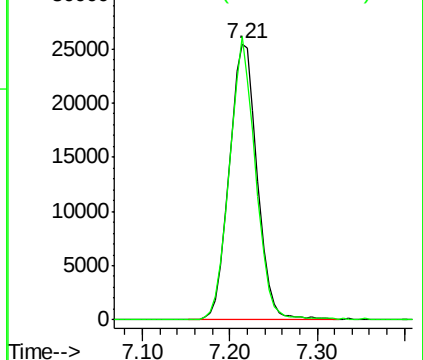
#44

Trichloroethene
 Concen: 17.97 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.00 min
 Lab File: VX002930.D
 Acq: 27 Jun 2018 12:32

Tgt Ion	130	Resp	56569
Ion Ratio	Lower	Upper	
130	100		
95	102.6	0.0	185.4



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 18.58 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VX002930.D

Acq: 27 Jun 2018 12:32

Instrument :

MSVOA_X

ClientSampleId :

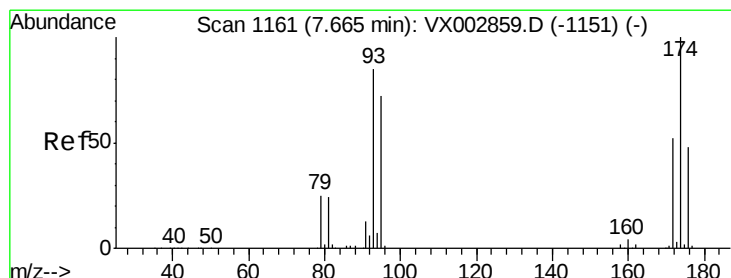
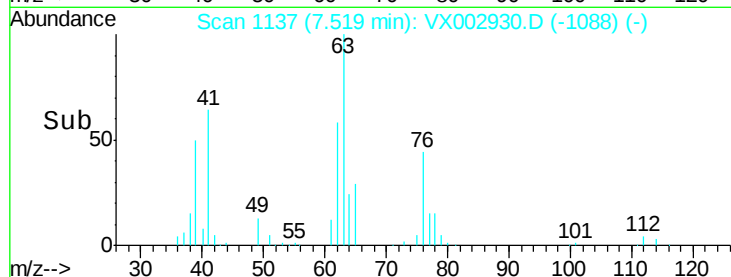
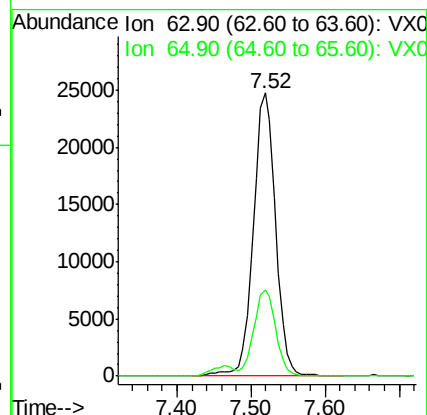
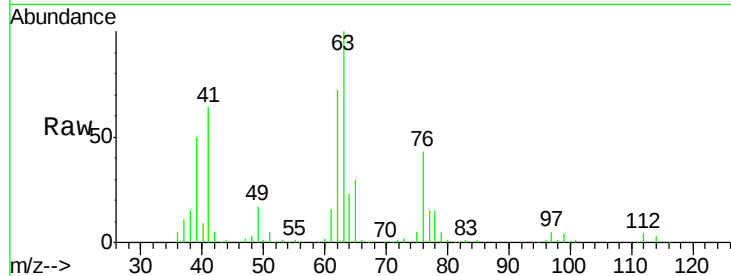
VX0627MBS01

Tot Ion: 63 Resp: 52025

Ion Ratio Lower Upper

63 100

65 30.3 24.7 37.1



#46

Dibromomethane

Concen: 18.26 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VX002930.D

Acq: 27 Jun 2018 12:32

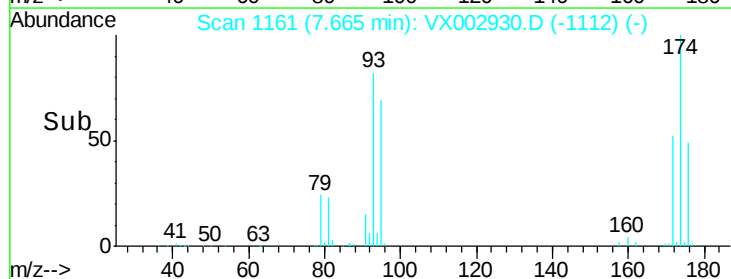
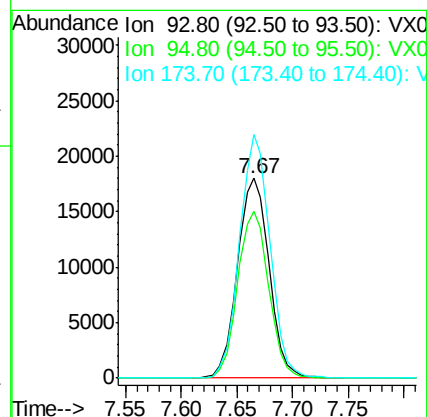
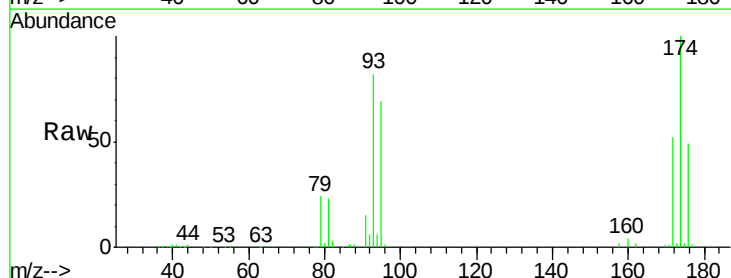
Tgt Ion: 93 Resp: 35485

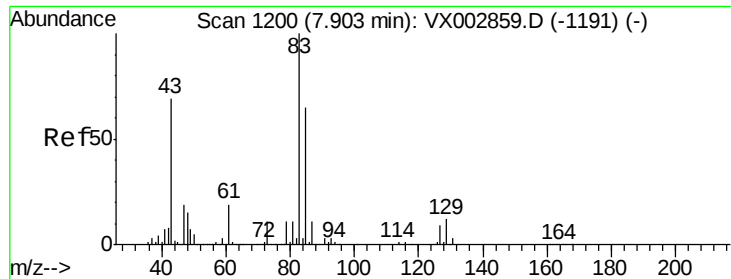
Ion Ratio Lower Upper

93 100

95 82.0 65.9 98.9

174 117.2 92.4 138.6





#47

Bromodichloromethane

Concen: 18.20 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX002930.D

Acq: 27 Jun 2018 12:32

Instrument :

MSVOA_X

ClientSampleId :

VX0627MBS01

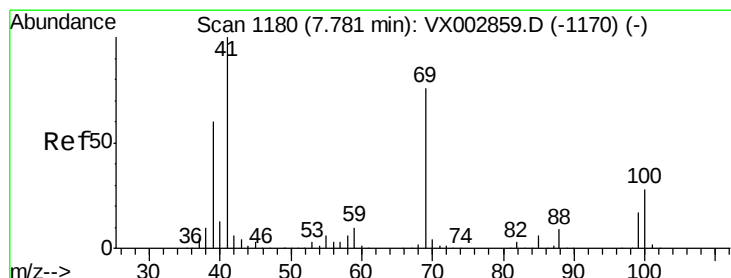
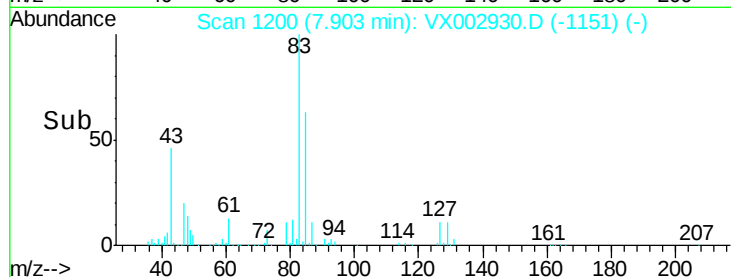
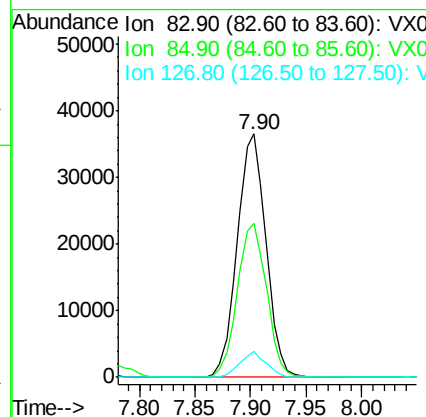
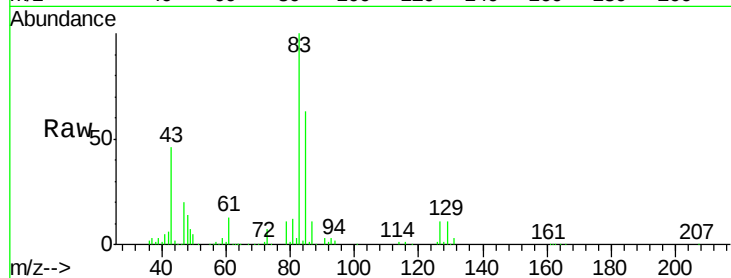
Tot Ion: 83 Resp: 65386

Ion Ratio Lower Upper

83 100

85 63.2 50.3 75.5

127 10.6 7.0 10.4#



#48

Methyl methacrylate

Concen: 17.49 ug/l

RT: 7.78 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VX002930.D

Acq: 27 Jun 2018 12:32

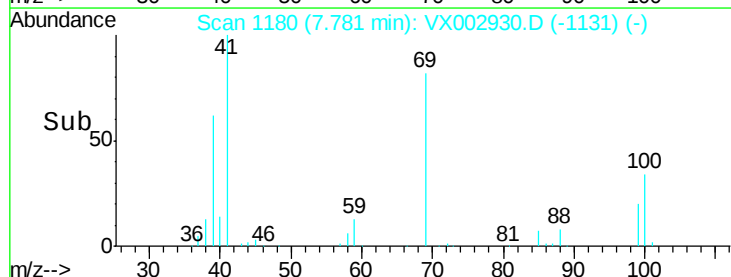
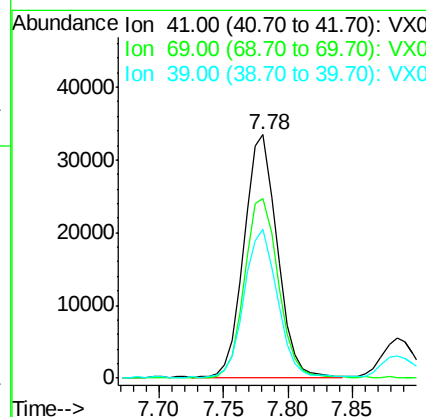
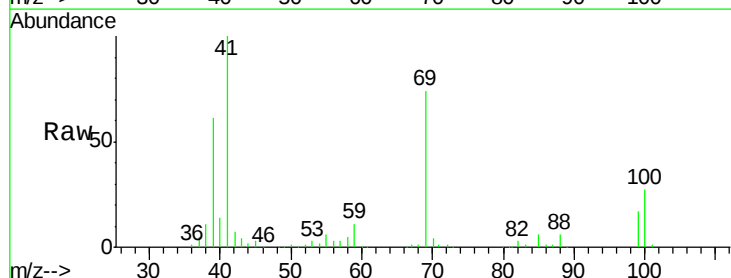
Tgt Ion: 41 Resp: 59127

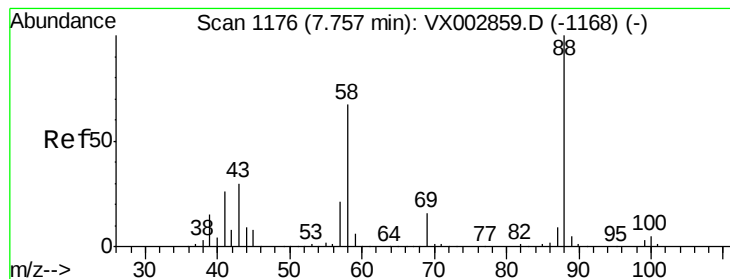
Ion Ratio Lower Upper

41 100

69 76.2 59.1 88.7

39 61.0 48.9 73.3





#49

1,4-Dioxane

Concen: 354.53 ug/l

RT: 7.76 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VX002930.D

Acq: 27 Jun 2018 12:32

Instrument :

MSVOA_X

ClientSampleId :

VX0627MBS01

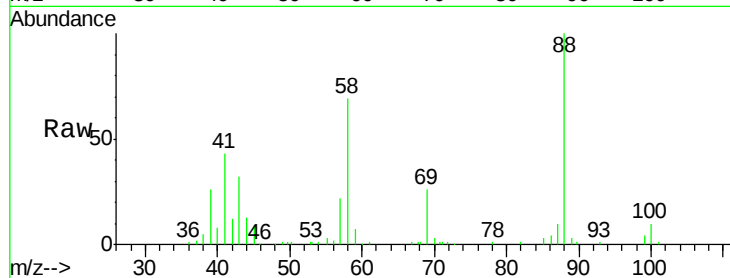
Tot Ion: 88 Resp: 23318

Ion Ratio Lower Upper

88 100

43 35.4 29.8 44.6

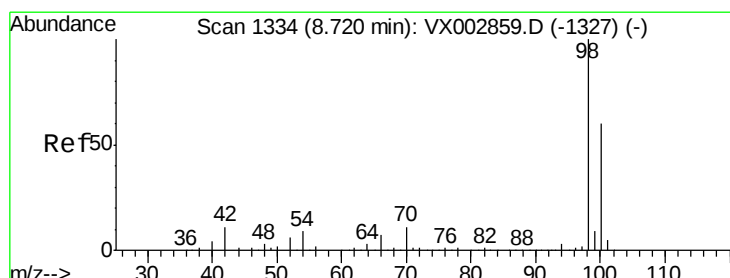
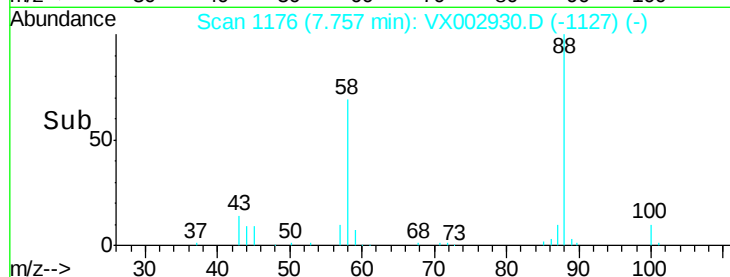
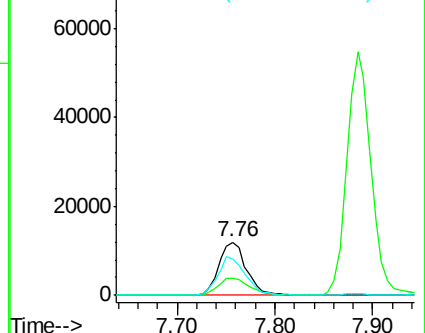
58 74.2 57.1 85.7



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 45.09 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002930.D

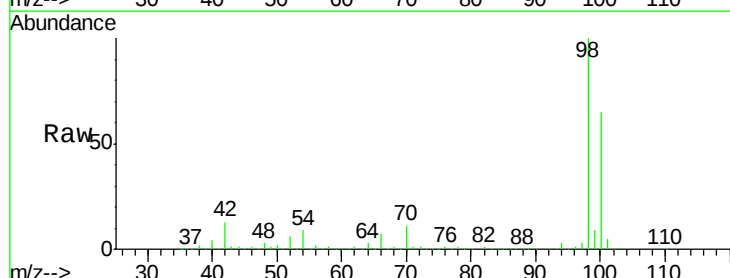
Acq: 27 Jun 2018 12:32

Tgt Ion: 98 Resp: 431987

Ion Ratio Lower Upper

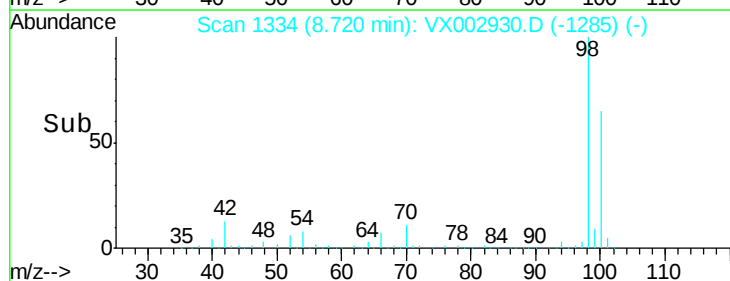
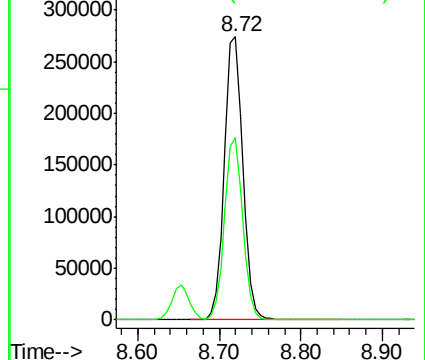
98 100

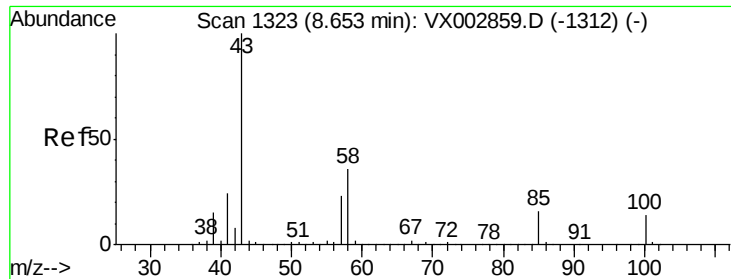
100 63.7 50.9 76.3



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: 89.72 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX002930.D

Acq: 27 Jun 2018 12:32

Instrument :

MSVOA_X

ClientSampled :

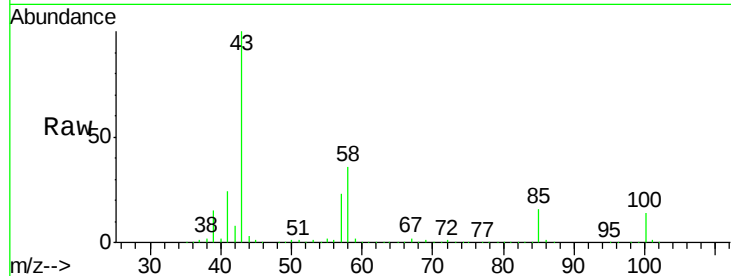
VX0627MBS01

Tot Ion: 43 Resp: 368272

Ion Ratio Lower Upper

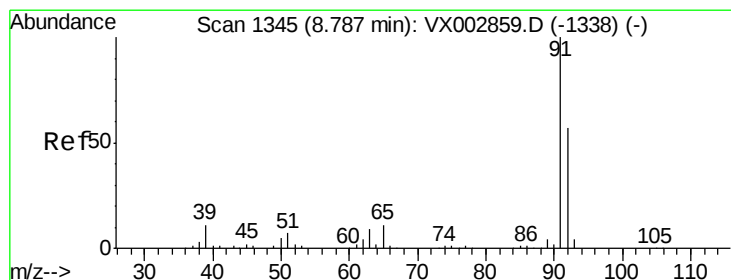
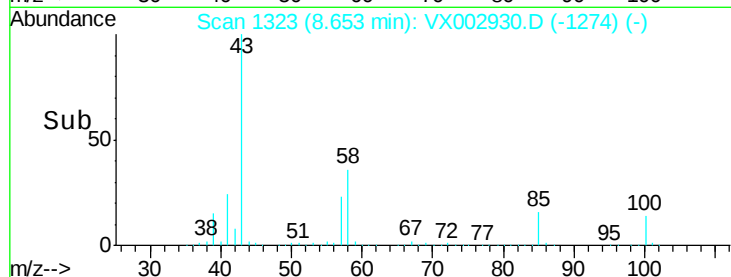
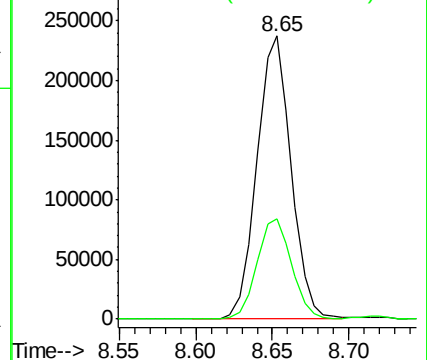
43 100

58 36.0 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: 18.43 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX002930.D

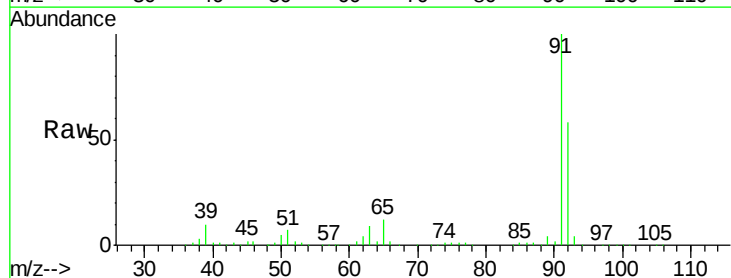
Acq: 27 Jun 2018 12:32

Tgt Ion: 92 Resp: 124664

Ion Ratio Lower Upper

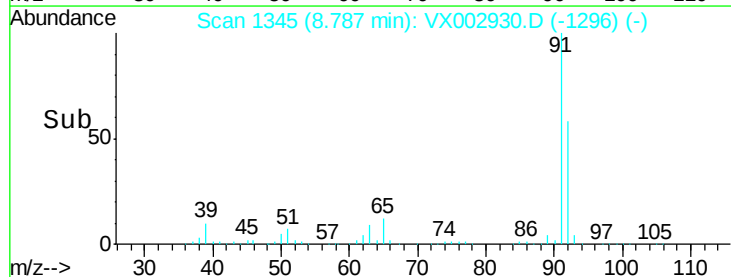
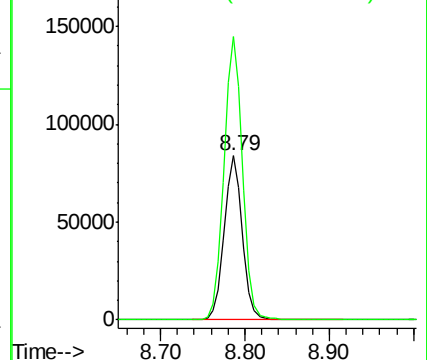
92 100

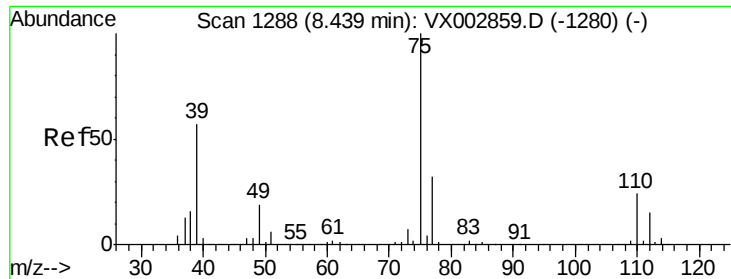
91 176.7 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

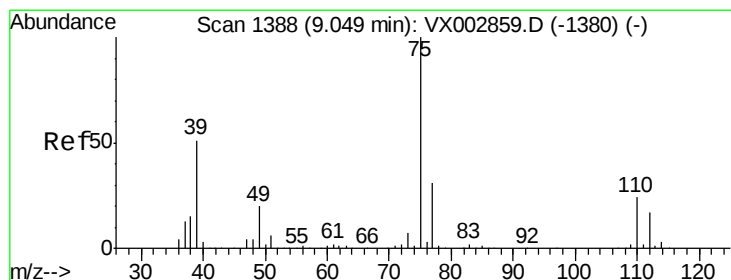
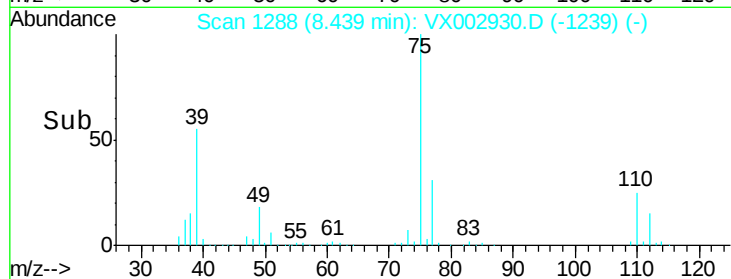
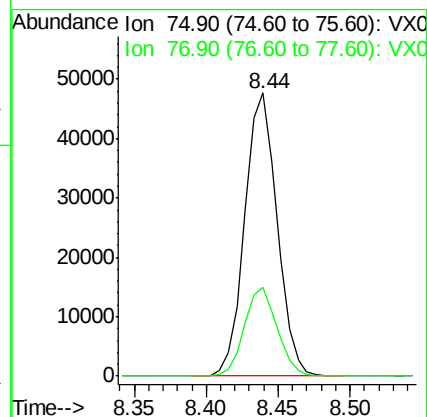
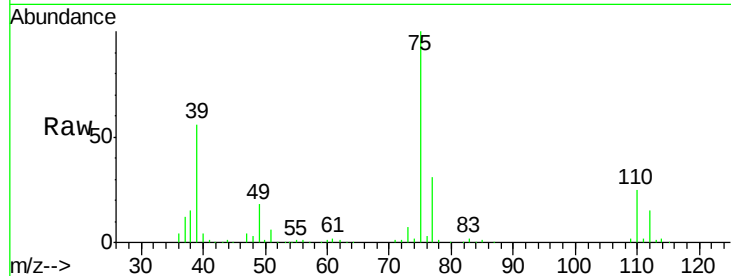




#53
t-1,3-Dichloropropene
Concen: 18.28 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX002930.D
Acq: 27 Jun 2018 12:32

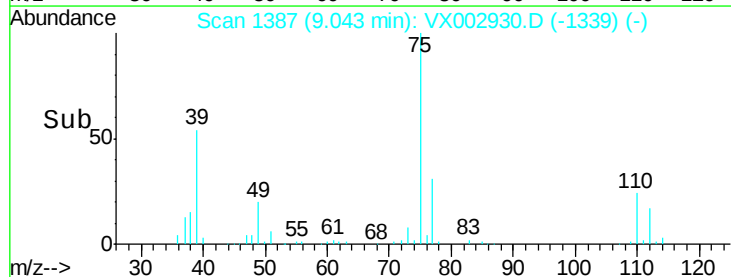
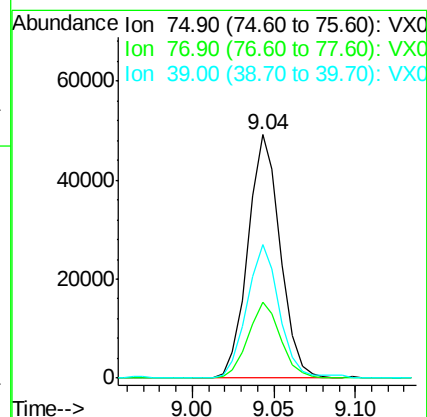
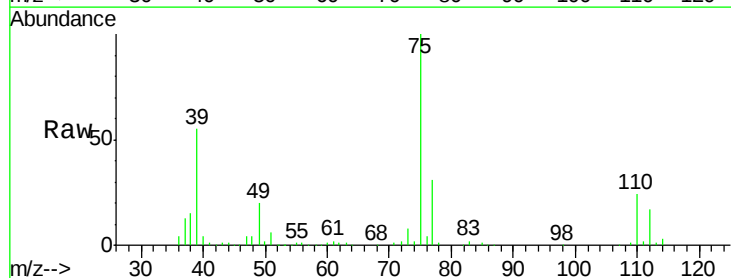
Instrument :
MSVOA_X
ClientSampleId :
VX0627MBS01

Tot Ion: 75 Resp: 74375
Ion Ratio Lower Upper
75 100
77 31.4 25.4 38.2



#54
cis-1,3-Dichloropropene
Concen: 17.37 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. -0.01 min
Lab File: VX002930.D
Acq: 27 Jun 2018 12:32

Tgt Ion: 75 Resp: 67990
Ion Ratio Lower Upper
75 100
77 31.2 24.8 37.2
39 54.5 42.4 63.6





#55

1,1,2-Trichloroethane

Concen: 18.67 ug/l

RT: 9.22 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VX002930.D

Acq: 27 Jun 2018 12:32

Instrument :

MSVOA_X

ClientSampleId :

VX0627MBS01

Tot Ion: 97 Resp: 51871

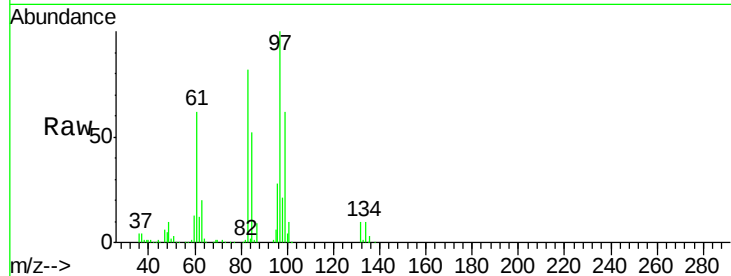
Ion Ratio Lower Upper

97 100

83 81.6 70.2 105.2

85 52.1 44.9 67.3

99 62.0 49.8 74.8

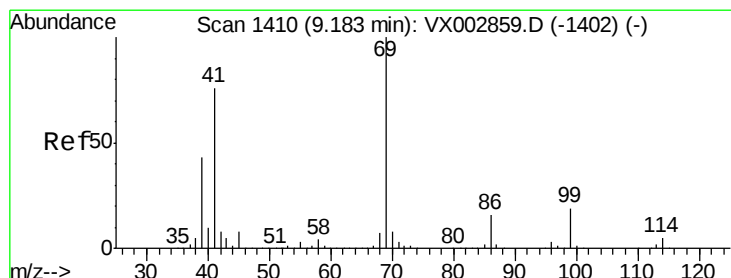
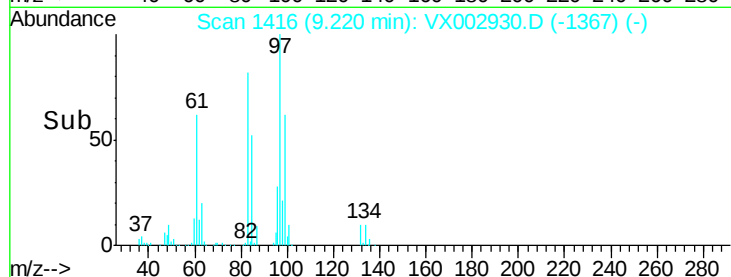
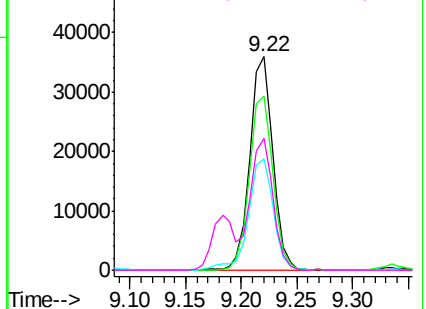


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 17.41 ug/l

RT: 9.18 min Scan# 1410

Delta R.T. -0.00 min

Lab File: VX002930.D

Acq: 27 Jun 2018 12:32

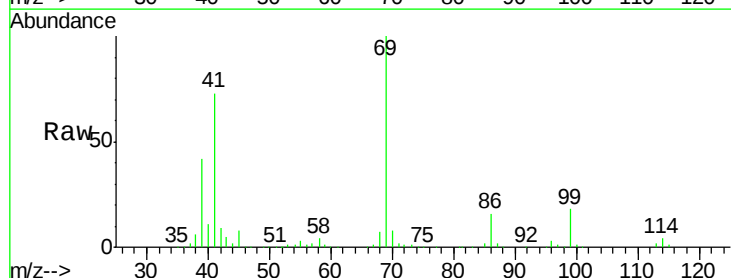
Tgt Ion: 69 Resp: 70698

Ion Ratio Lower Upper

69 100

41 73.0 60.3 90.5

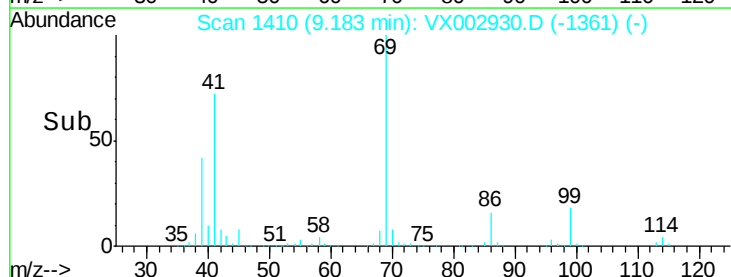
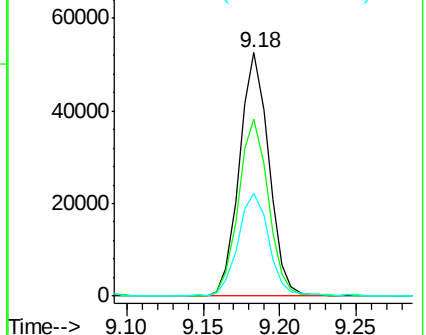
39 43.3 35.8 53.8

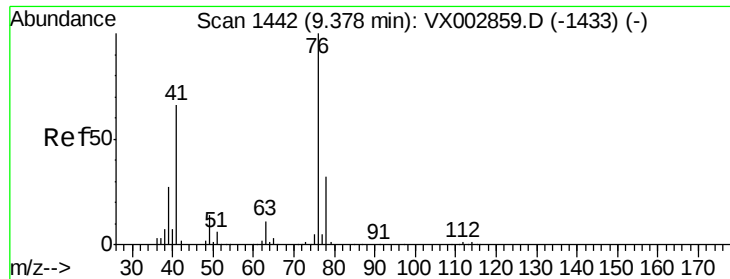


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 18.22 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. -0.01 min

Lab File: VX002930.D

Acq: 27 Jun 2018 12:32

Instrument :

MSVOA_X

ClientSampleId :

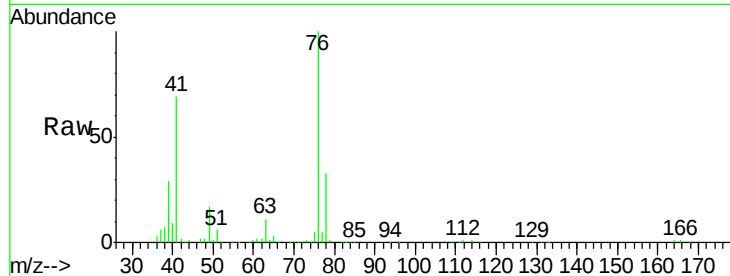
VX0627MBS01

Tot Ion: 76 Resp: 83162

Ion Ratio Lower Upper

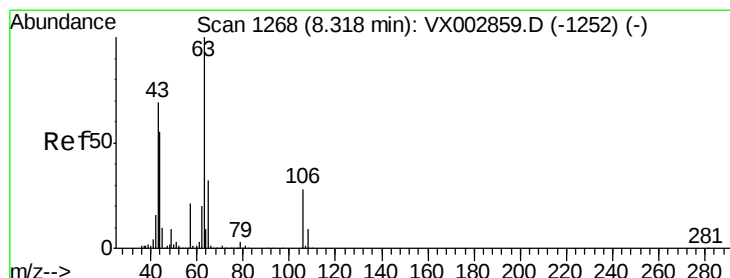
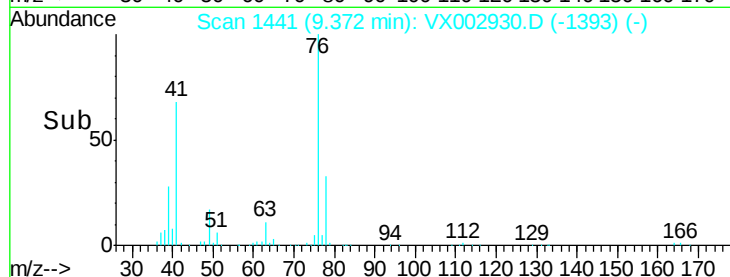
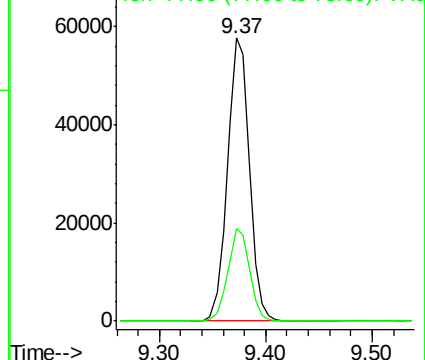
76 100

78 32.4 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 59.91 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VX002930.D

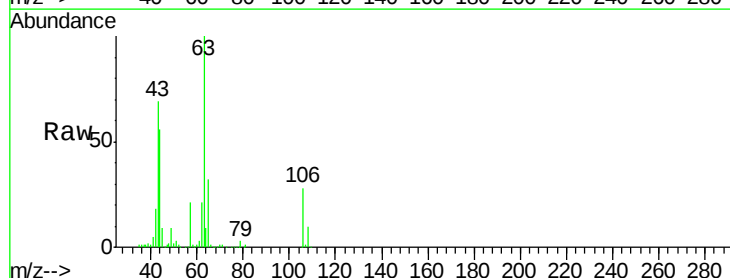
Acq: 27 Jun 2018 12:32

Tgt Ion: 63 Resp: 117383

Ion Ratio Lower Upper

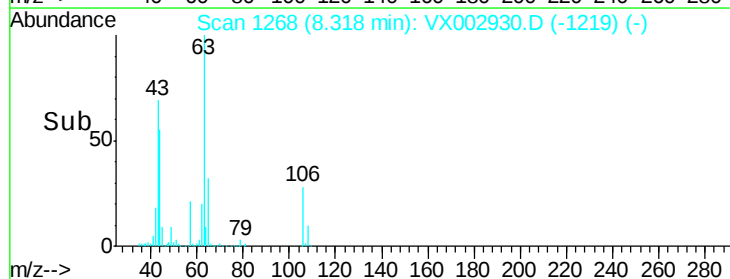
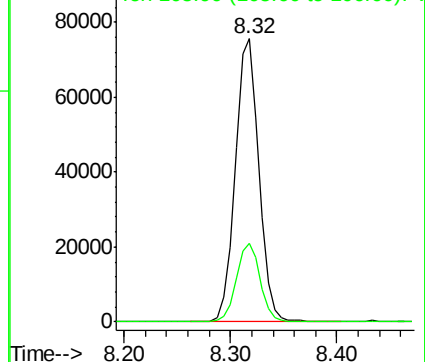
63 100

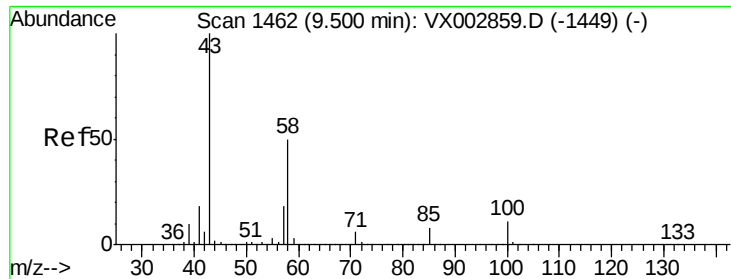
106 27.9 21.8 32.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

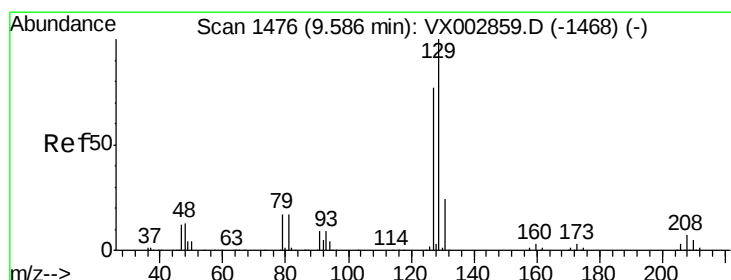
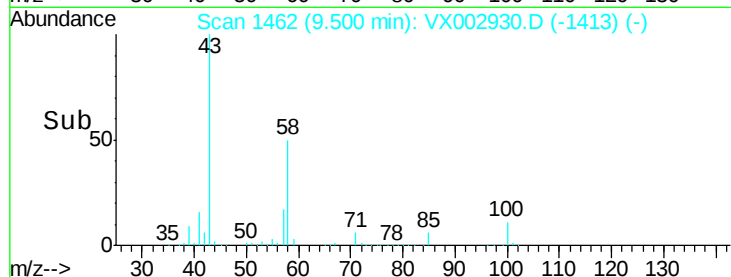
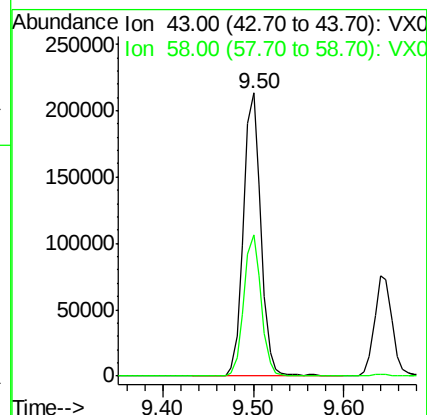
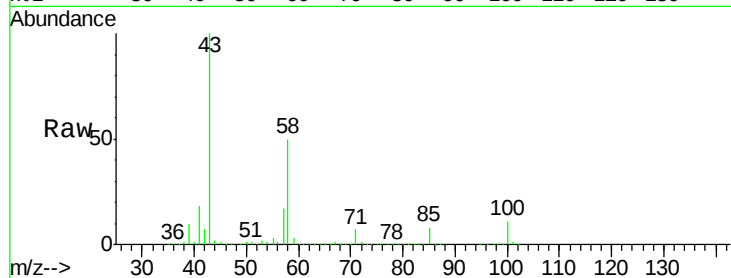




#59
2-Hexanone
Concen: 91.14 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX002930.D
Acq: 27 Jun 2018 12:32

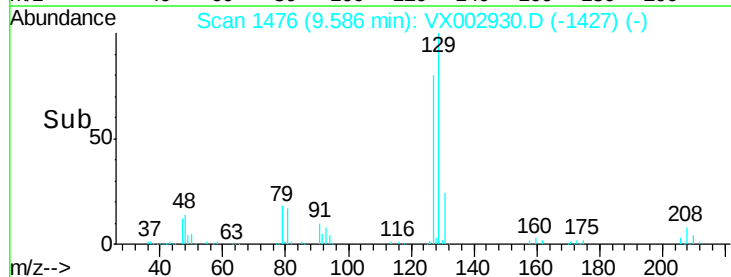
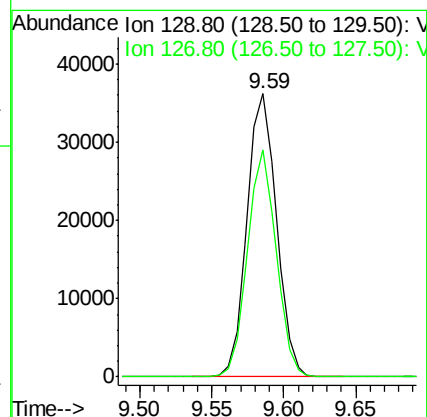
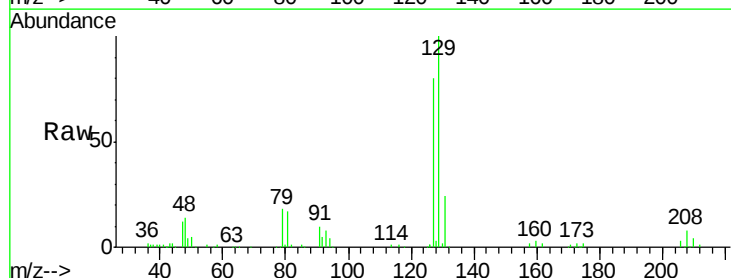
Instrument :
MSVOA_X
ClientSampleId :
VX0627MBS01

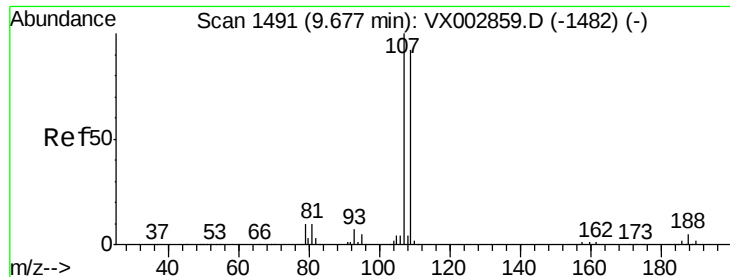
Tot Ion: 43 Resp: 284337
Ion Ratio Lower Upper
43 100
58 50.1 24.6 73.6



#60
Dibromochloromethane
Concen: 17.57 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX002930.D
Acq: 27 Jun 2018 12:32

Tgt Ion:129 Resp: 51403
Ion Ratio Lower Upper
129 100
127 77.8 38.5 115.3





#61

1,2-Dibromoethane

Concen: 18.30 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX002930.D

Acq: 27 Jun 2018 12:32

Instrument :

MSVOA_X

ClientSampleId :

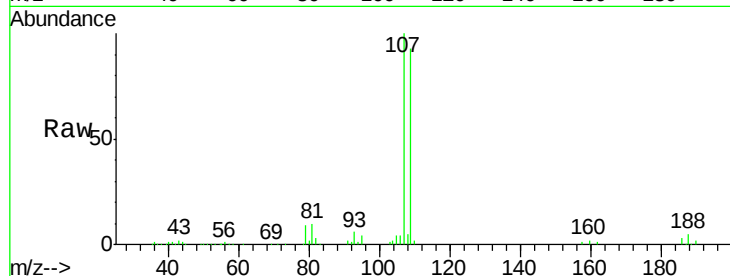
VX0627MBS01

Tot Ion:107 Resp: 53335

Ion Ratio Lower Upper

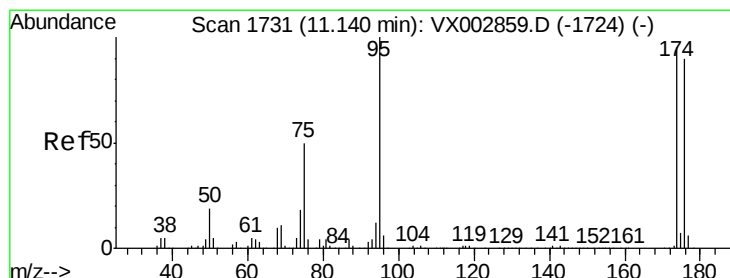
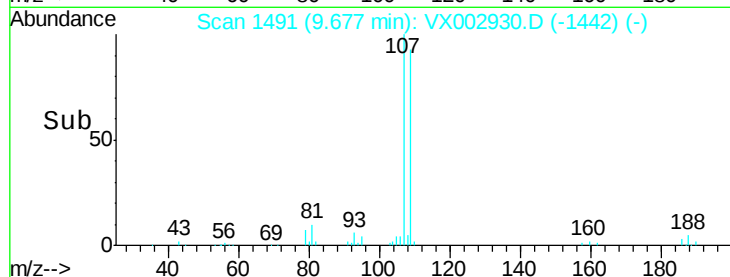
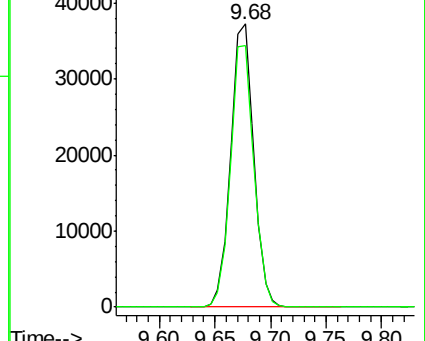
107 100

109 94.0 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 45.20 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002930.D

Acq: 27 Jun 2018 12:32

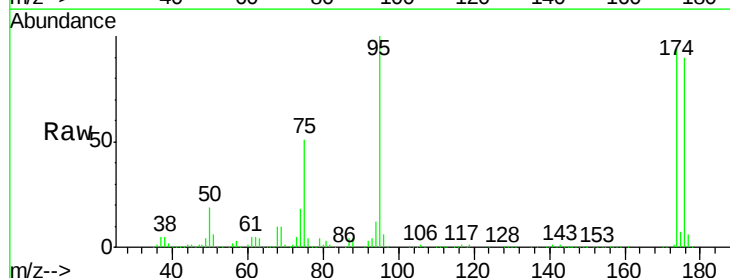
Tgt Ion: 95 Resp: 167010

Ion Ratio Lower Upper

95 100

174 94.6 0.0 187.4

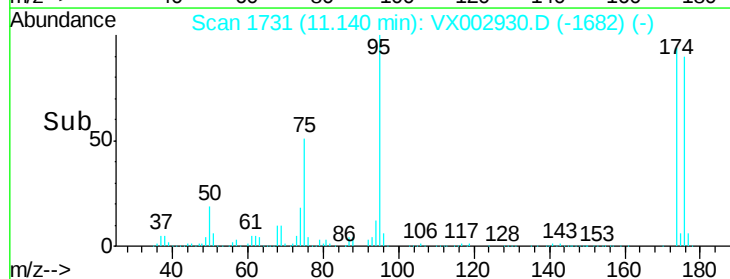
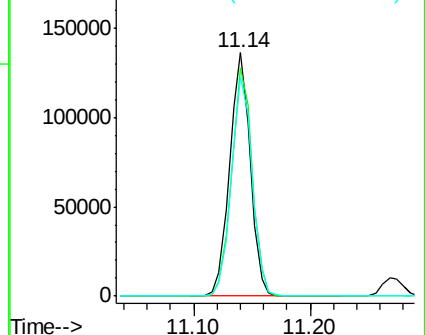
176 91.6 0.0 181.0

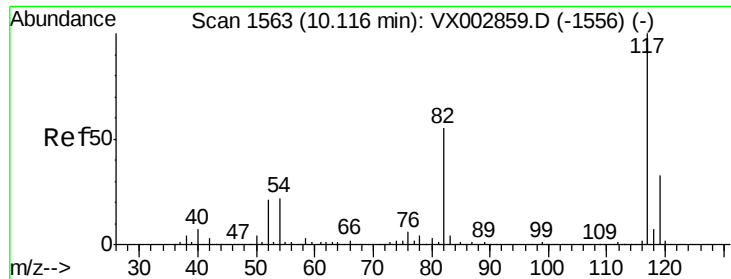


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

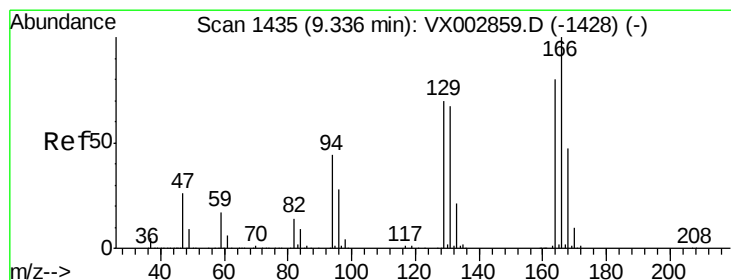
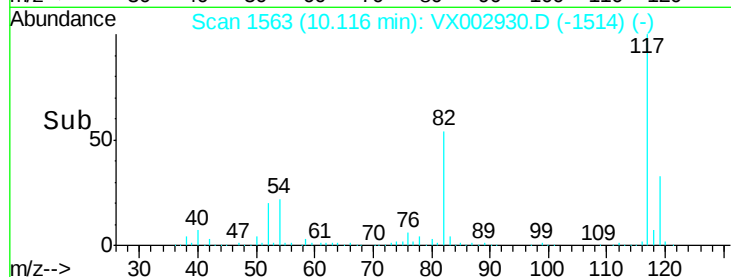
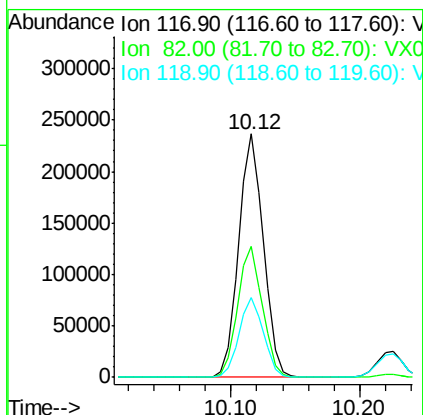
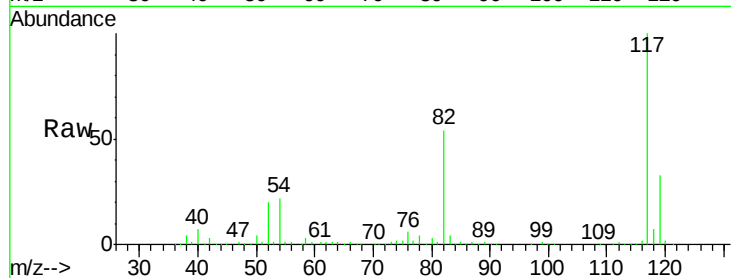




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002930.D
Acq: 27 Jun 2018 12:32

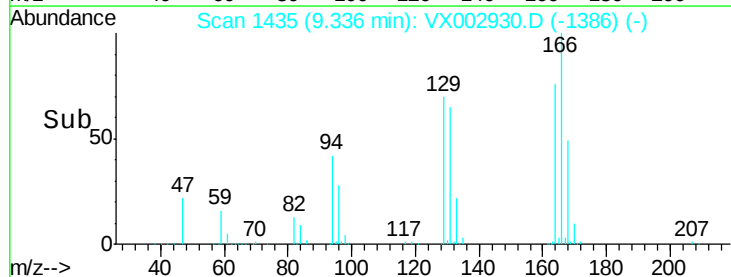
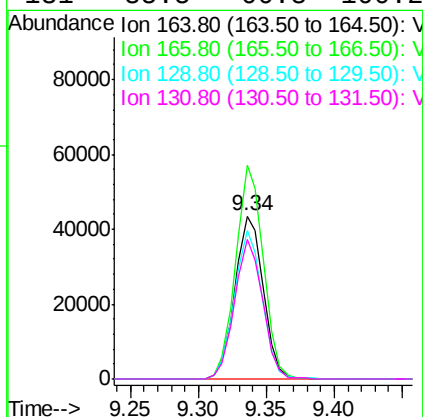
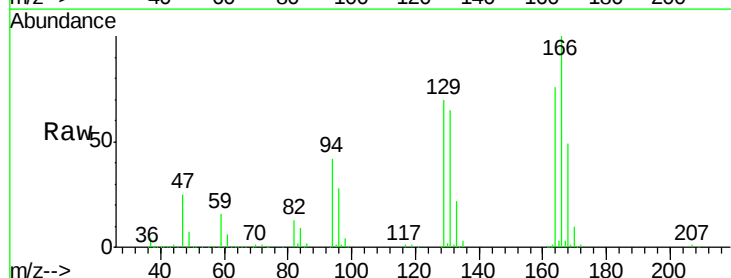
Instrument :
MSVOA_X
ClientSampleId :
VX0627MBS01

Tot Ion:117 Resp: 313888
Ion Ratio Lower Upper
117 100
82 53.6 45.0 67.4
119 32.7 25.8 38.6



#64
Tetrachloroethene
Concen: 18.14 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VX002930.D
Acq: 27 Jun 2018 12:32

Tgt Ion:164 Resp: 63322
Ion Ratio Lower Upper
164 100
166 130.9 102.9 154.3
129 91.0 68.6 102.8
131 85.5 66.8 100.2

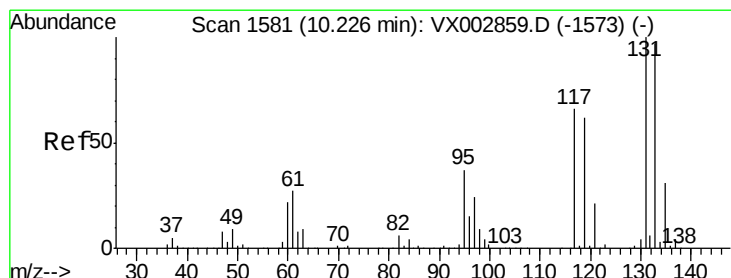
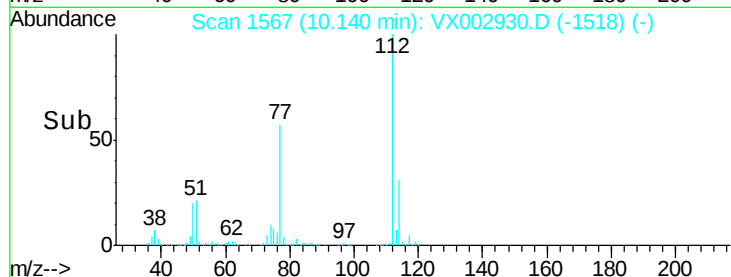
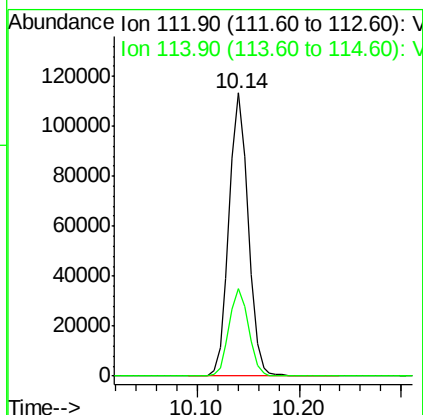
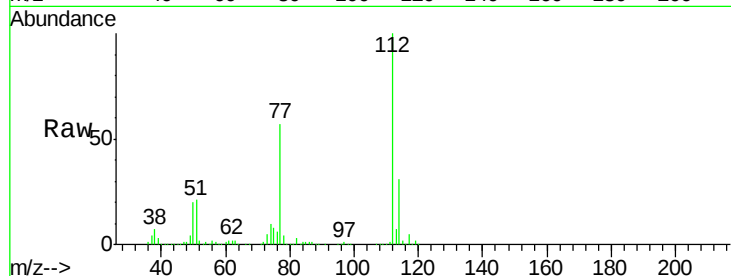




#65
Chlorobenzene
Concen: 18.42 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX002930.D
Acq: 27 Jun 2018 12:32

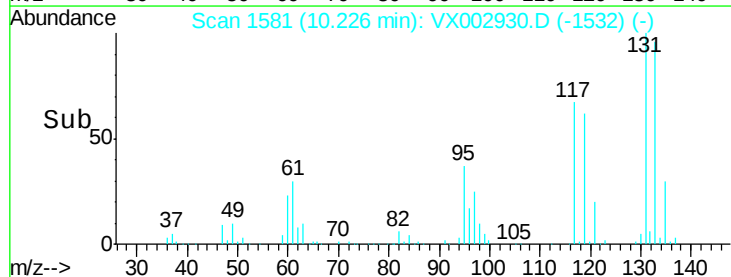
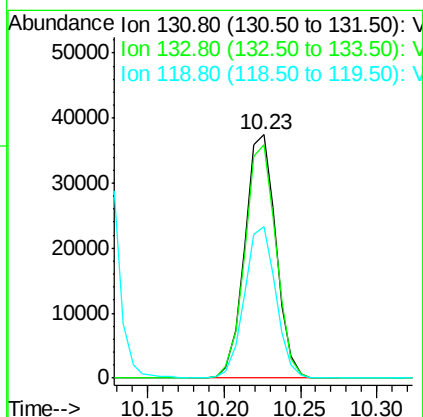
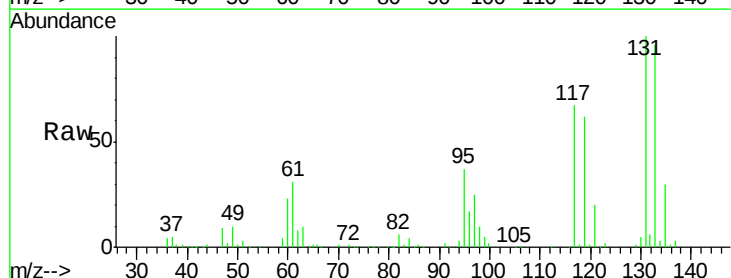
Instrument :
MSVOA_X
ClientSampleId :
VX0627MBS01

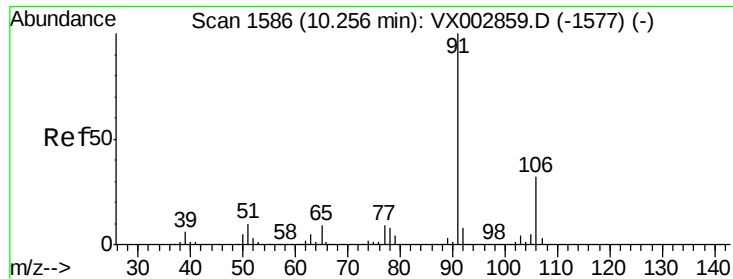
Tot Ion:112 Resp: 146868
Ion Ratio Lower Upper
112 100
114 31.1 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 18.28 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX002930.D
Acq: 27 Jun 2018 12:32

Tgt Ion:131 Resp: 52932
Ion Ratio Lower Upper
131 100
133 95.9 47.9 143.6
119 62.4 31.8 95.3

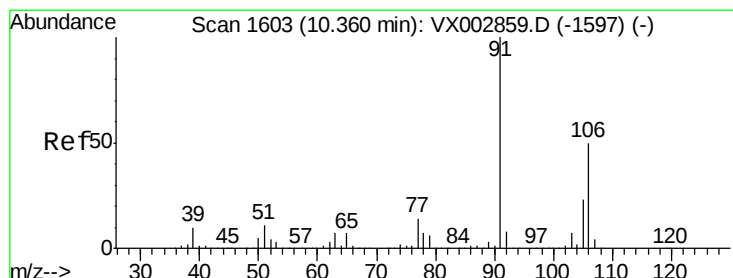
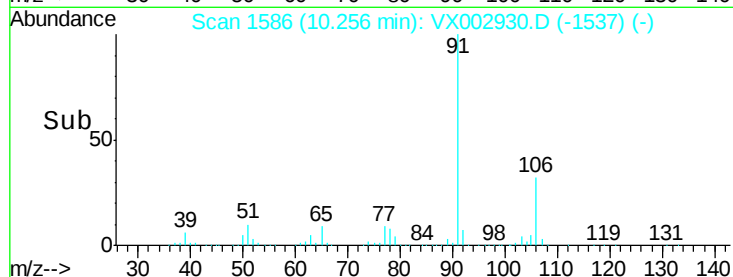
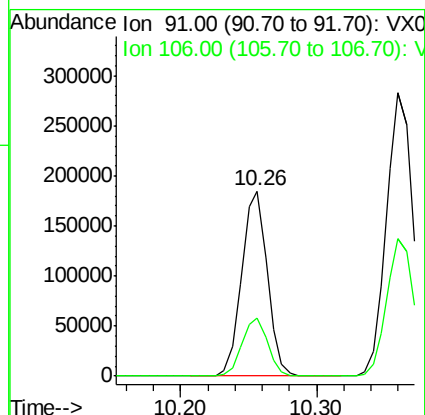
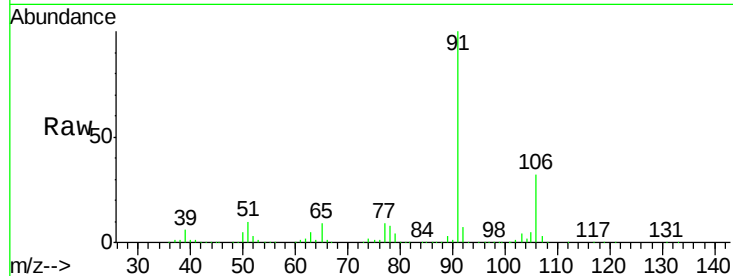




#67
Ethyl Benzene
Concen: 18.48 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX002930.D
Acq: 27 Jun 2018 12:32

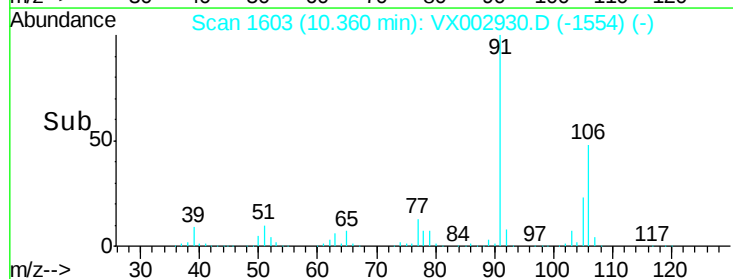
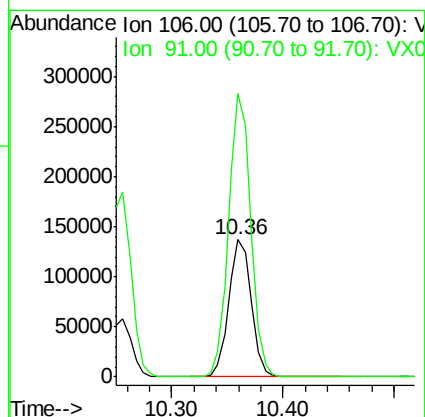
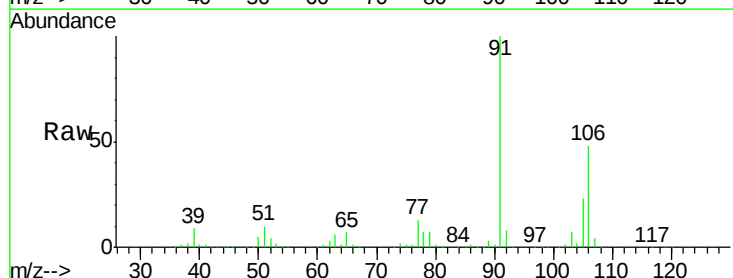
Instrument :
MSVOA_X
ClientSampleId :
VX0627MBS01

Tot Ion: 91 Resp: 243329
Ion Ratio Lower Upper
91 100
106 31.5 25.5 38.3



#68
m/p-Xylenes
Concen: 37.59 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX002930.D
Acq: 27 Jun 2018 12:32

Tgt Ion: 106 Resp: 190786
Ion Ratio Lower Upper
106 100
91 203.2 163.4 245.2

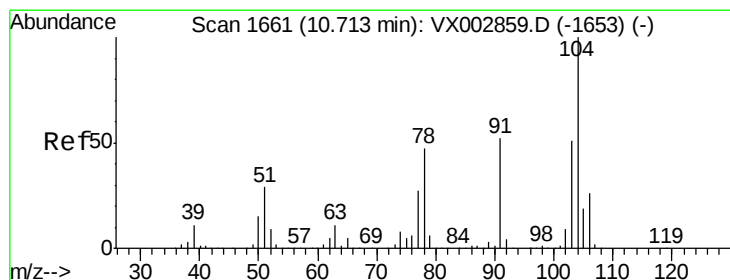
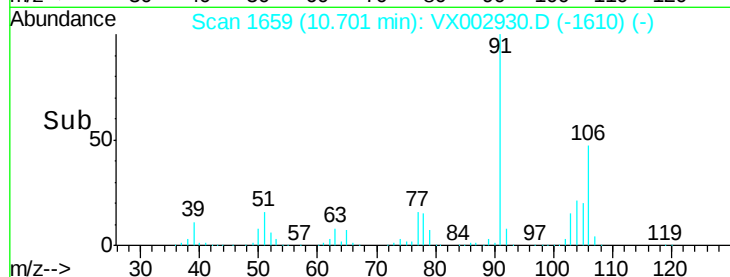
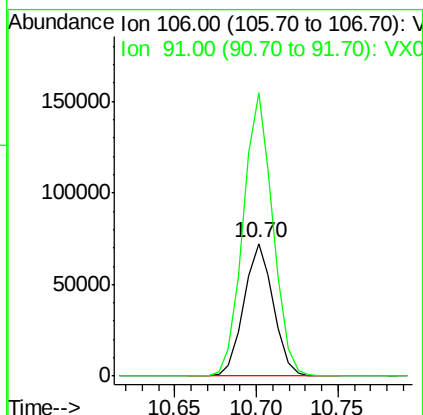
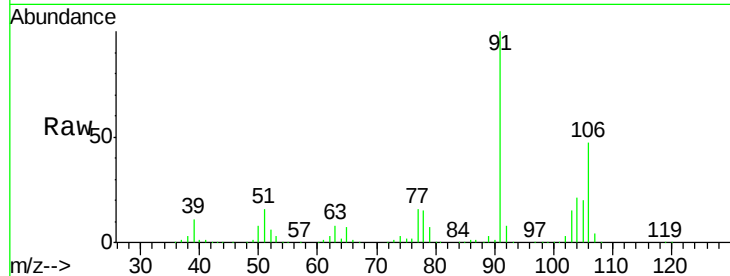




#69
o-Xylene
Concen: 18.49 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002930.D
Acq: 27 Jun 2018 12:32

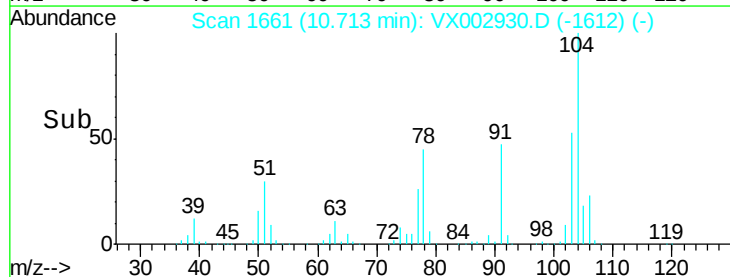
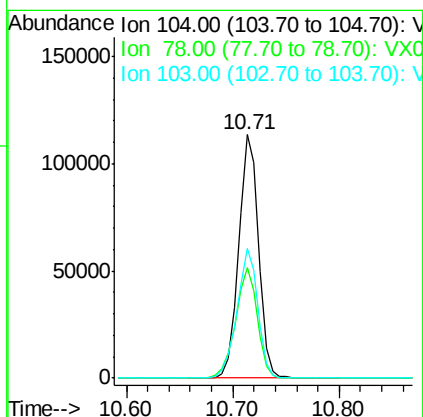
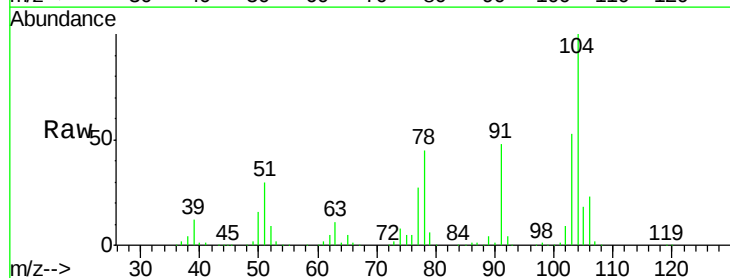
Instrument :
MSVOA_X
ClientSampleId :
VX0627MBS01

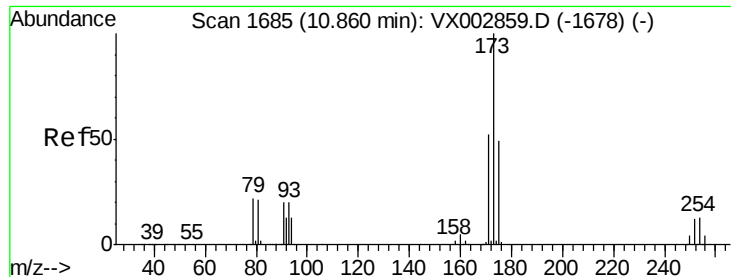
Tot Ion:106 Resp: 91395
Ion Ratio Lower Upper
106 100
91 215.3 108.2 324.6



#70
Styrene
Concen: 18.53 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX002930.D
Acq: 27 Jun 2018 12:32

Tgt Ion:104 Resp: 148826
Ion Ratio Lower Upper
104 100
78 49.8 41.0 61.6
103 56.2 44.2 66.4





#71

Bromoform

Concen: 17.65 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX002930.D

Acq: 27 Jun 2018 12:32

Instrument :

MSVOA_X

ClientSampleId :

VX0627MBS01

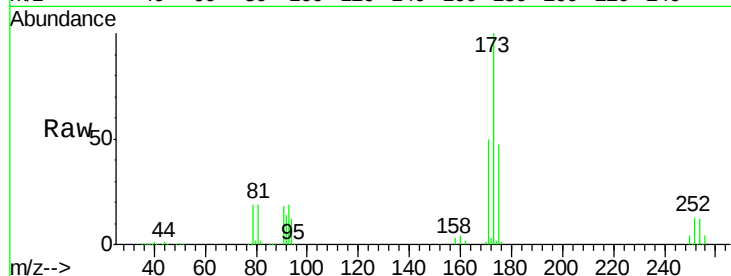
Tot Ion:173 Resp: 39032

Ion Ratio Lower Upper

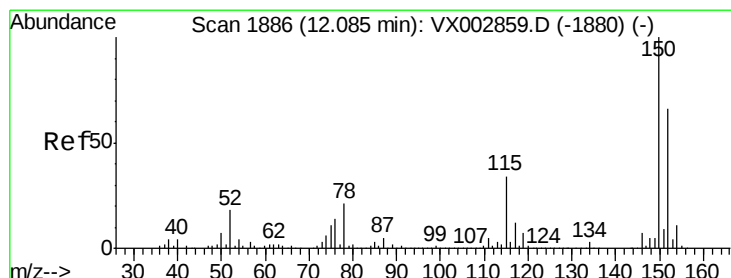
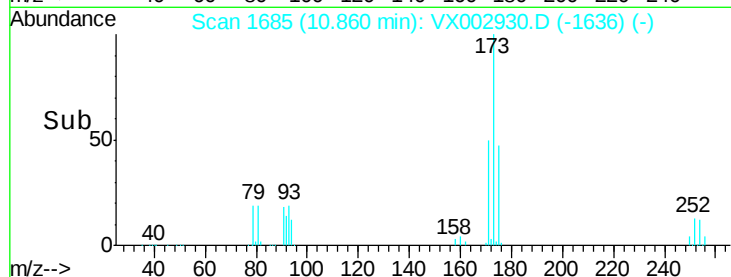
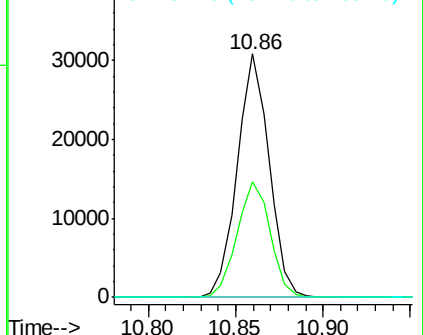
173 100

175 49.4 24.7 74.1

254 0.1 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX002930.D

Acq: 27 Jun 2018 12:32

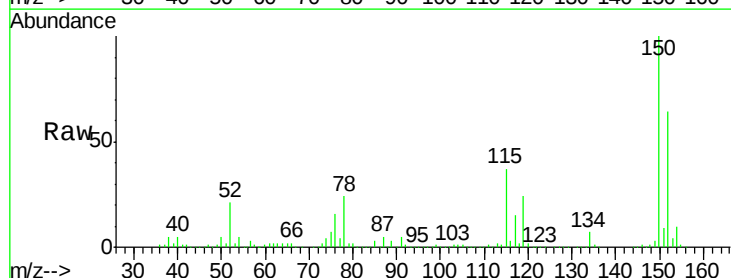
Tgt Ion:152 Resp: 199171

Ion Ratio Lower Upper

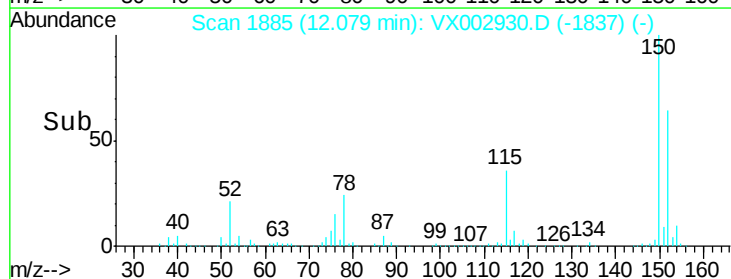
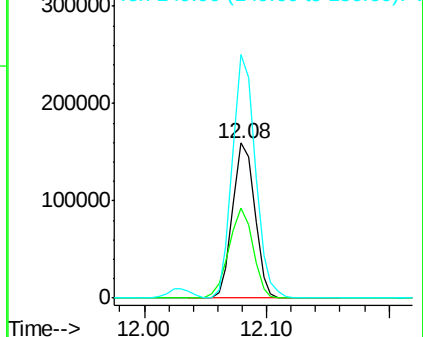
152 100

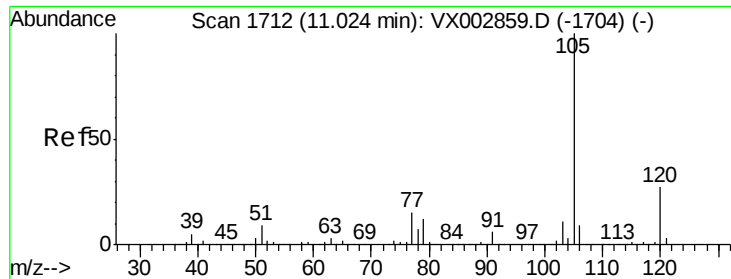
115 63.3 40.1 120.2

150 162.7 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: 18.86 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.01 min

Lab File: VX002930.D

Acq: 27 Jun 2018 12:32

Instrument :

MSVOA_X

ClientSampleId :

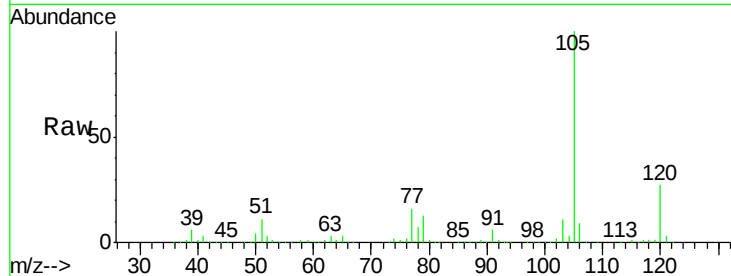
VX0627MBS01

Tot Ion:105 Resp: 252638

Ion Ratio Lower Upper

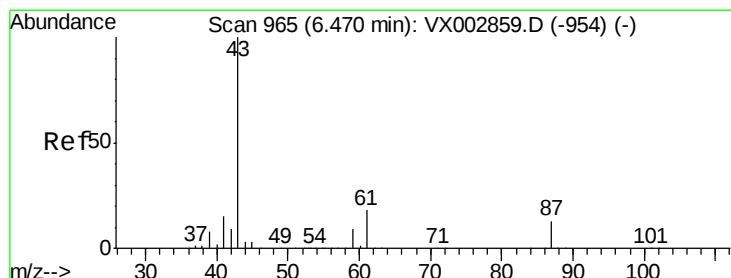
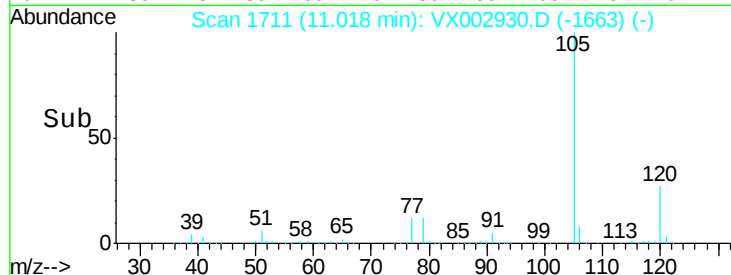
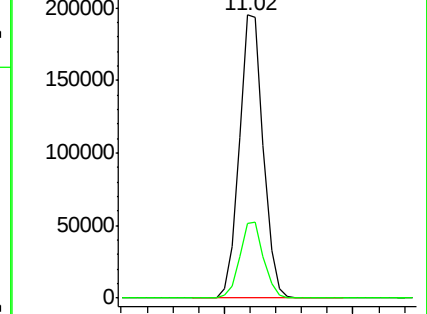
105 100

120 26.8 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-ethyl acetate

Concen: 17.21 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.01 min

Lab File: VX002930.D

Acq: 27 Jun 2018 12:32

Tgt Ion: 43 Resp: 112850

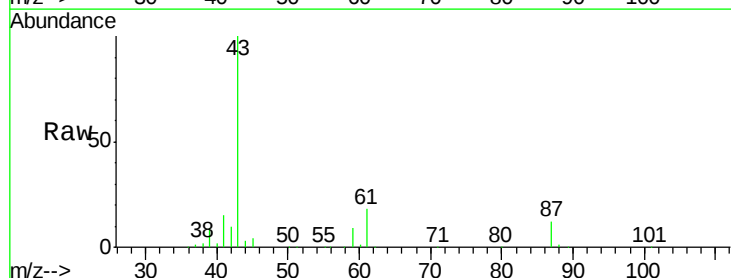
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0#

55 0.2 0.0 0.0#

61 18.2 14.4 21.6

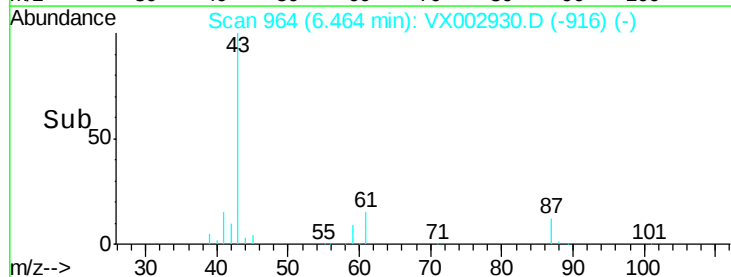
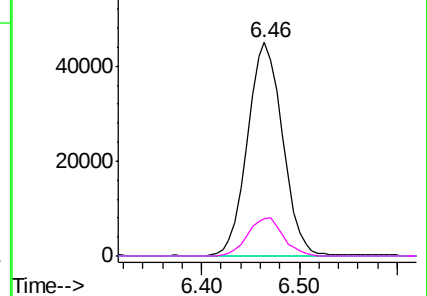


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 18.09 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.01 min

Lab File: VX002930.D

Acq: 27 Jun 2018 12:32

Instrument :

MSVOA_X

ClientSampleId :

VX0627MBS01

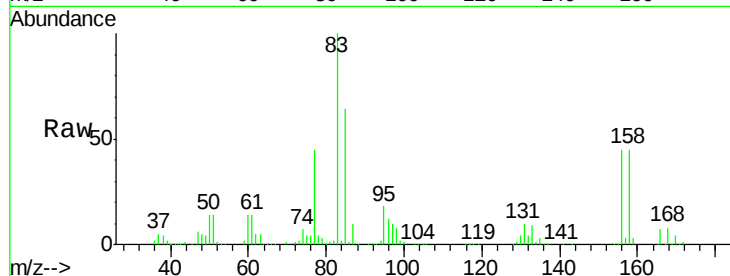
Tot Ion: 83 Resp: 74661

Ion Ratio Lower Upper

83 100

131 11.3 5.6 16.8

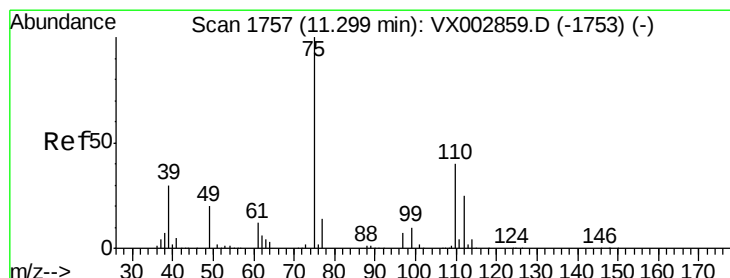
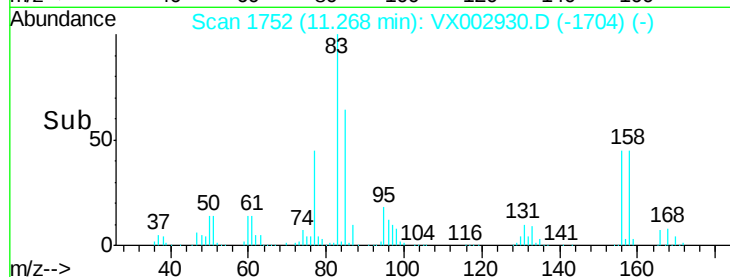
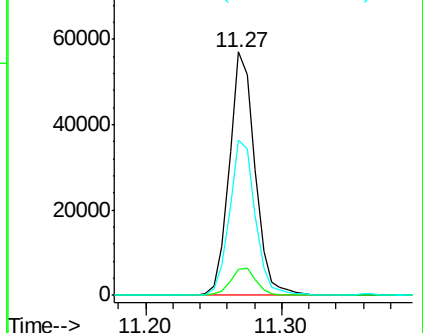
85 64.0 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 22.82 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VX002930.D

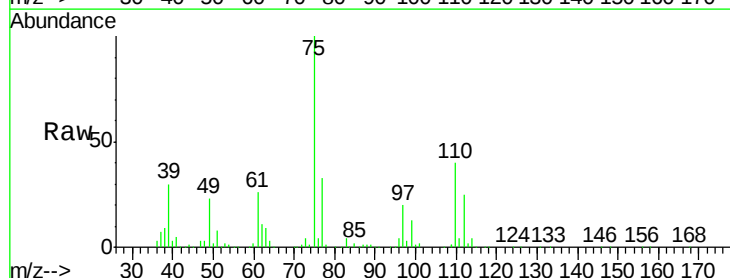
Acq: 27 Jun 2018 12:32

Tgt Ion: 75 Resp: 82345

Ion Ratio Lower Upper

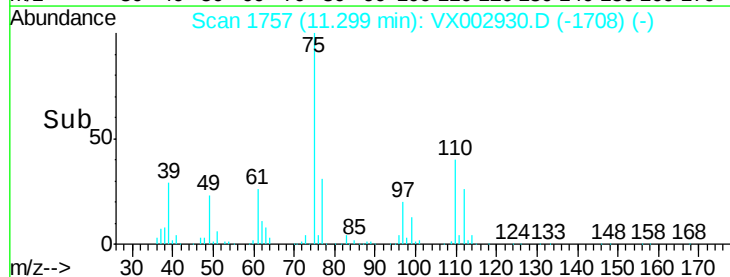
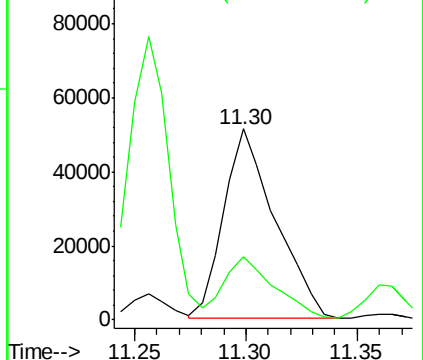
75 100

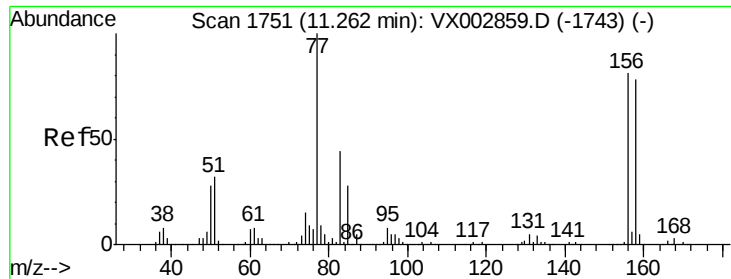
77 33.0 22.8 68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 18.14 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.01 min

Lab File: VX002930.D

Acq: 27 Jun 2018 12:32

Instrument :

MSVOA_X

ClientSampleId :

VX0627MBS01

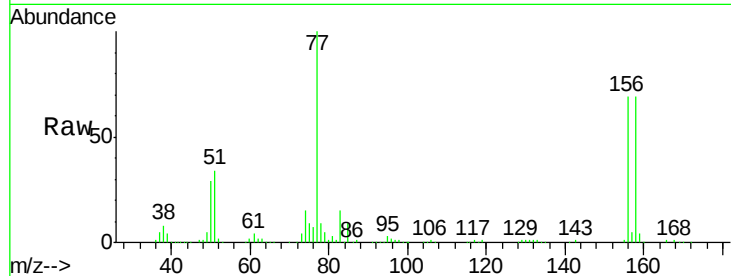
Tot Ion:156 Resp: 69204

Ion Ratio Lower Upper

156 100

77 140.7 71.4 214.2

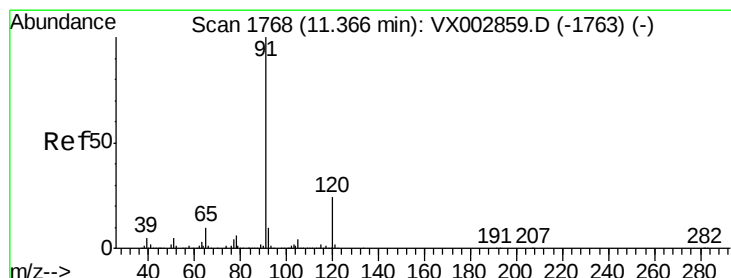
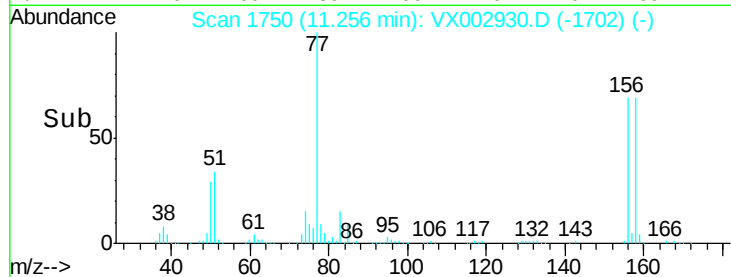
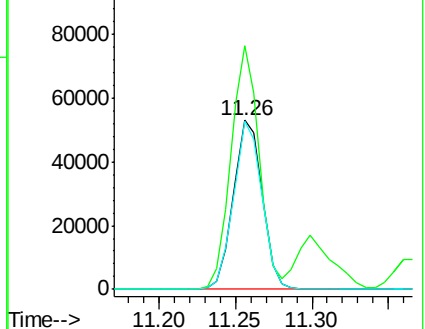
158 98.1 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.26 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002930.D

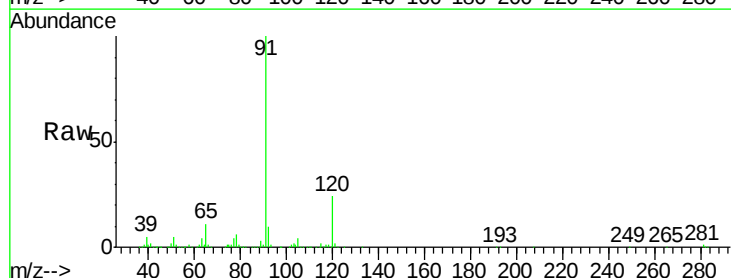
Acq: 27 Jun 2018 12:32

Tgt Ion: 91 Resp: 293688

Ion Ratio Lower Upper

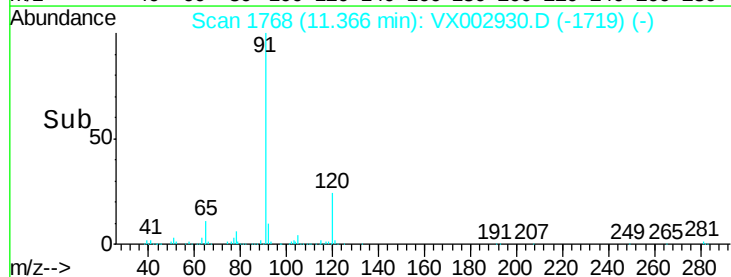
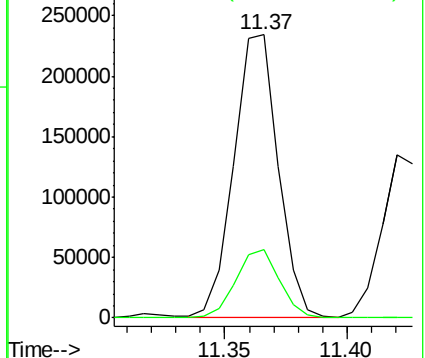
91 100

120 24.0 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

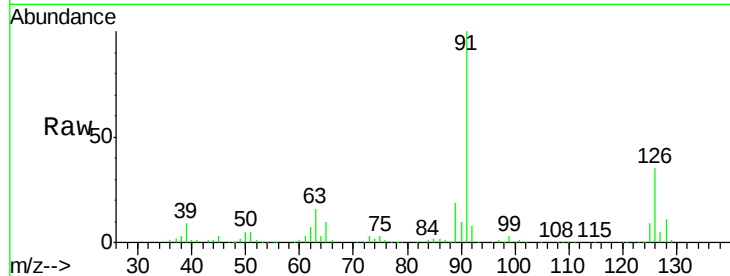




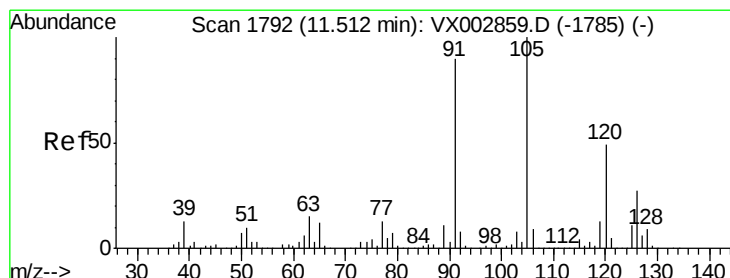
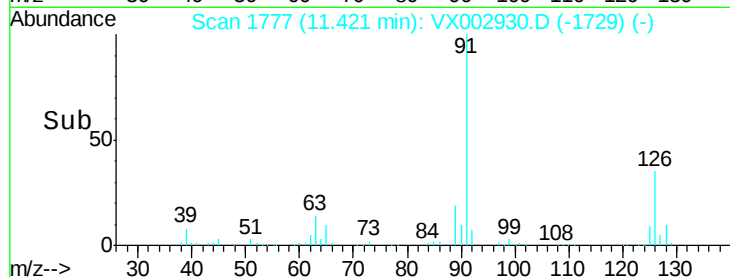
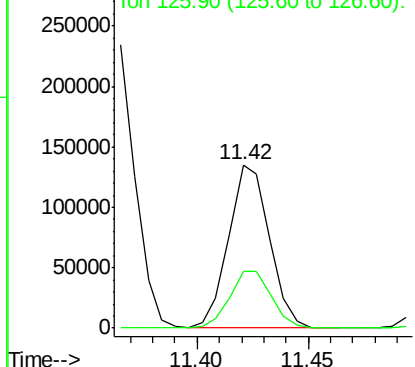
#79
 2-Chlorotoluene
 Concen: 18.58 ug/l
 RT: 11.42 min Scan# 1777
 Delta R.T. -0.01 min
 Lab File: VX002930.D
 Acq: 27 Jun 2018 12:32

Instrument :
 MSVOA_X
 ClientSampled :
 VX0627MBS01

Tot Ion: 91 Resp: 171606
 Ion Ratio Lower Upper
 91 100
 126 36.0 17.7 53.1

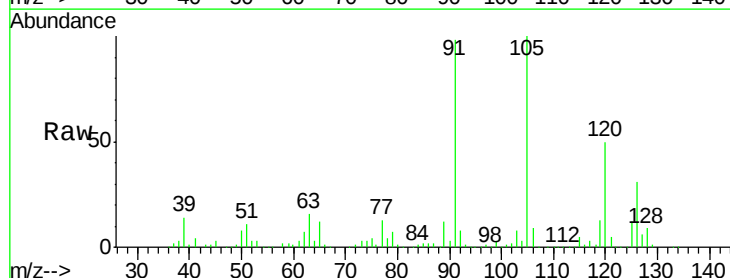


Abundance Ion 91.00 (90.70 to 91.70): VX0
 Ion 125.90 (125.60 to 126.60): V

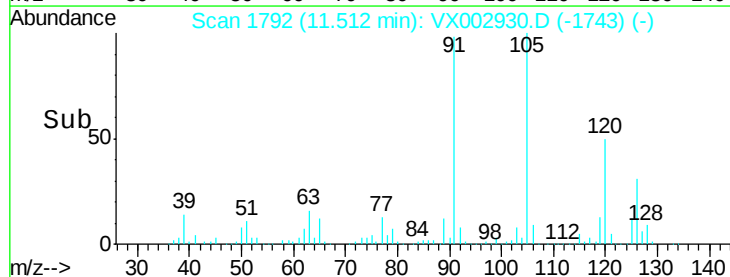
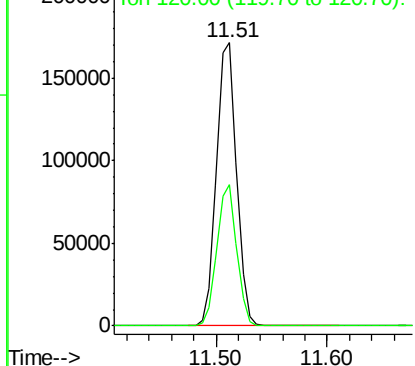


#80
 1,3,5-Trimethylbenzene
 Concen: 19.04 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX002930.D
 Acq: 27 Jun 2018 12:32

Tgt Ion:105 Resp: 214899
 Ion Ratio Lower Upper
 105 100
 120 48.9 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

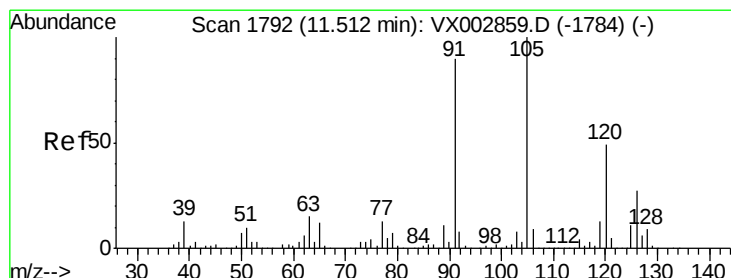
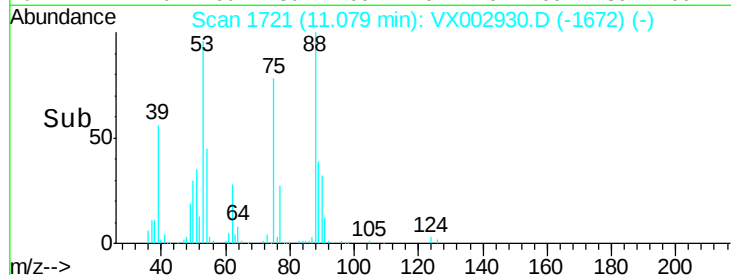
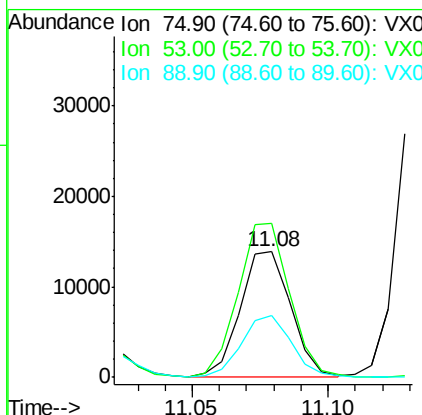
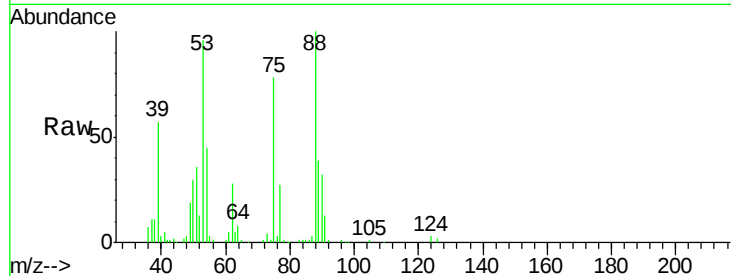




#81
trans-1,4-Dichloro-2-butene
Concen: 16.69 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX002930.D
Acq: 27 Jun 2018 12:32

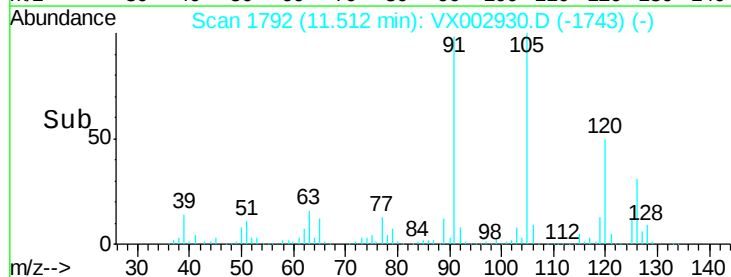
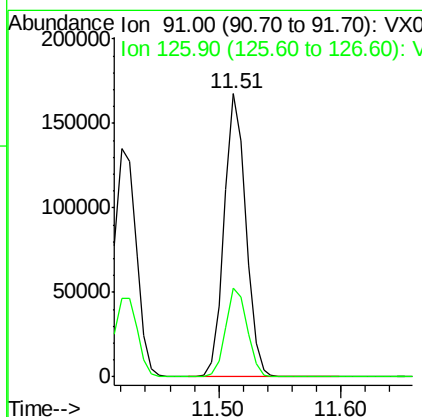
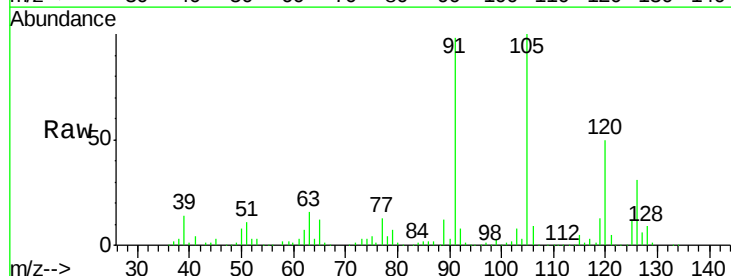
Instrument :
MSVOA_X
ClientSampleId :
VX0627MBS01

Tot Ion: 75 Resp: 17769
Ion Ratio Lower Upper
75 100
53 125.3 86.8 130.2
89 49.4 38.2 57.2



#82
4-Chlorotoluene
Concen: 18.84 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX002930.D
Acq: 27 Jun 2018 12:32

Tgt Ion: 91 Resp: 205914
Ion Ratio Lower Upper
91 100
126 31.2 15.4 46.4

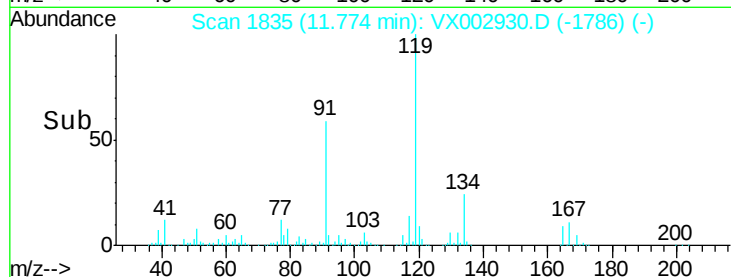
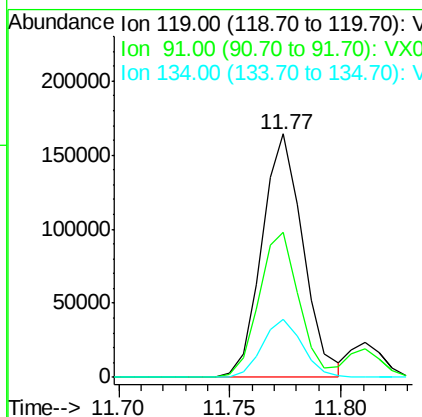
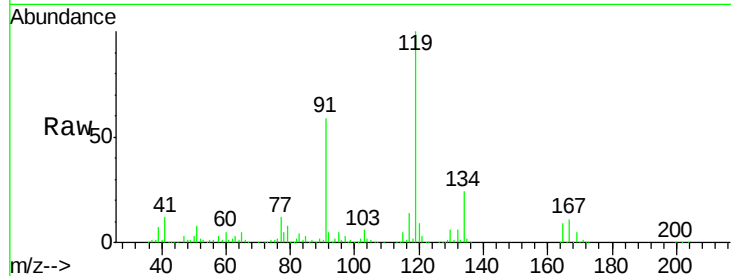




#83
 tert-Butylbenzene
 Concen: 18.95 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX002930.D
 Acq: 27 Jun 2018 12:32

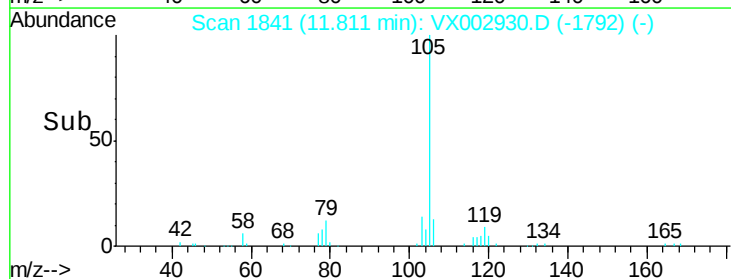
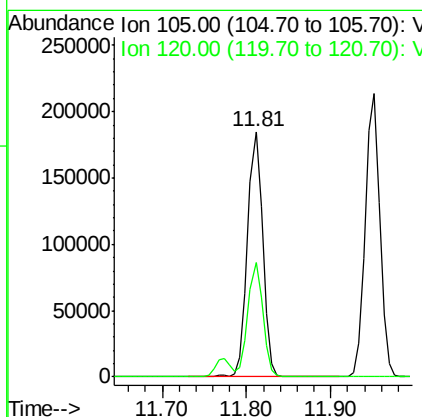
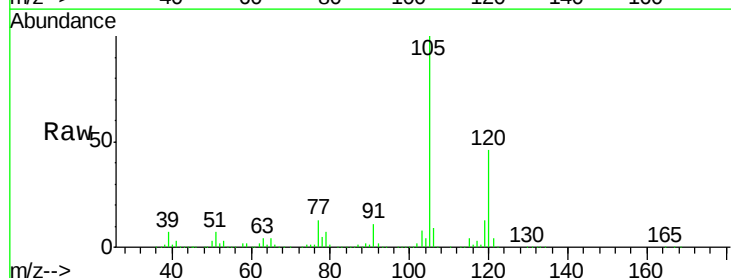
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0627MBS01

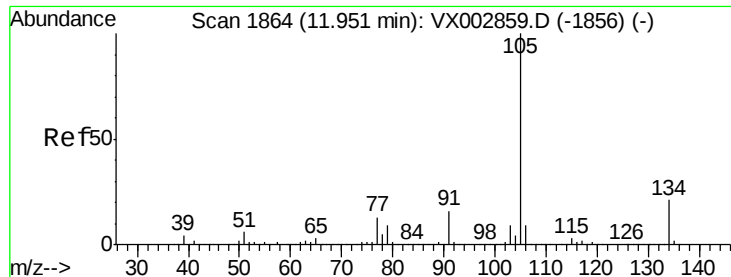
Tot Ion:119 Resp: 210785
 Ion Ratio Lower Upper
 119 100
 91 57.6 30.3 90.9
 134 23.3 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 18.96 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX002930.D
 Acq: 27 Jun 2018 12:32

Tgt Ion:105 Resp: 221691
 Ion Ratio Lower Upper
 105 100
 120 45.6 22.3 66.8





#85

sec-Butylbenzene

Concen: 19.19 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX002930.D

Acq: 27 Jun 2018 12:32

Instrument :

MSVOA_X

ClientSampleId :

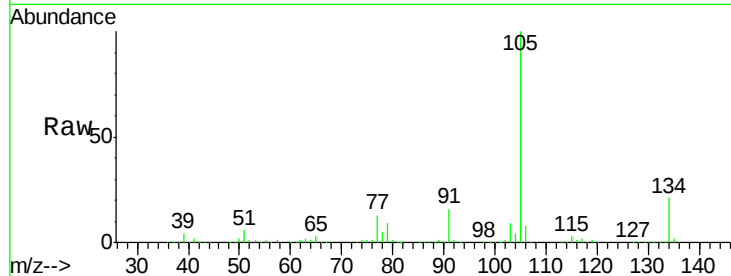
VX0627MBS01

Tot Ion:105 Resp: 258864

Ion Ratio Lower Upper

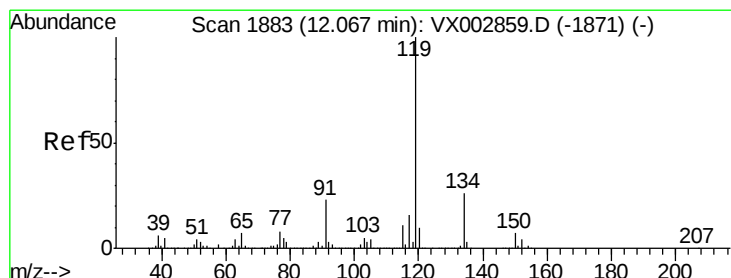
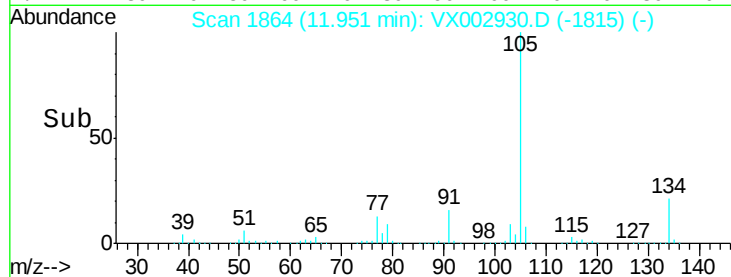
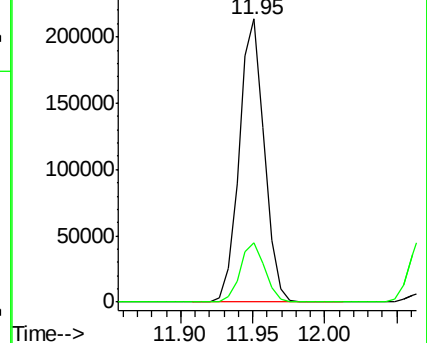
105 100

134 20.8 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.08 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX002930.D

Acq: 27 Jun 2018 12:32

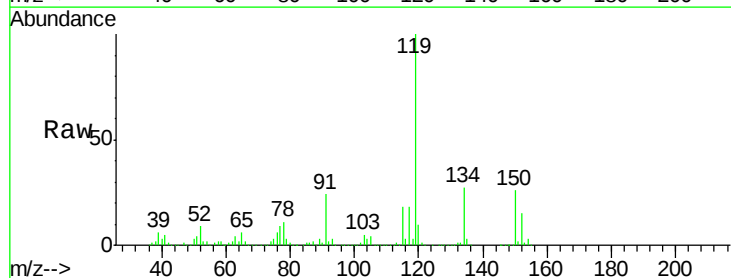
Tgt Ion:119 Resp: 231448

Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.1

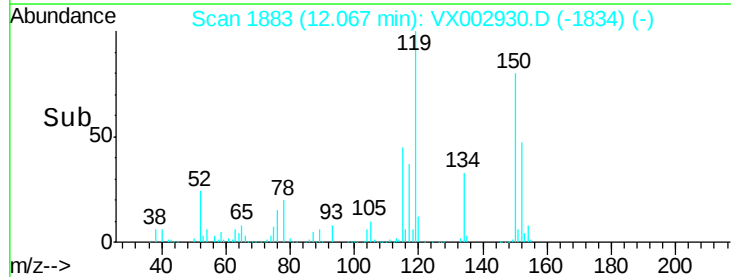
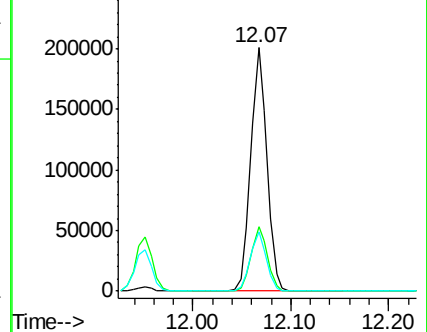
91 24.1 11.9 35.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 18.66 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX002930.D

Acq: 27 Jun 2018 12:32

Instrument :

MSVOA_X

ClientSampled :

VX0627MBS01

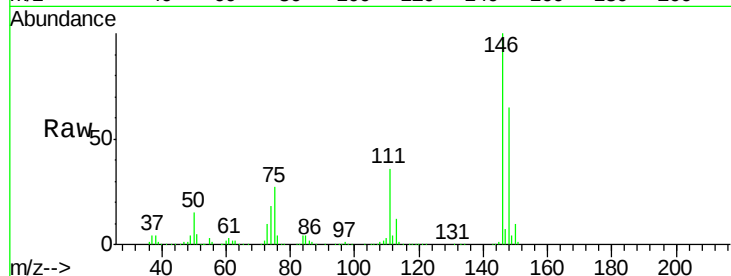
Tot Ion:146 Resp: 130009

Ion Ratio Lower Upper

146 100

111 36.7 18.9 56.7

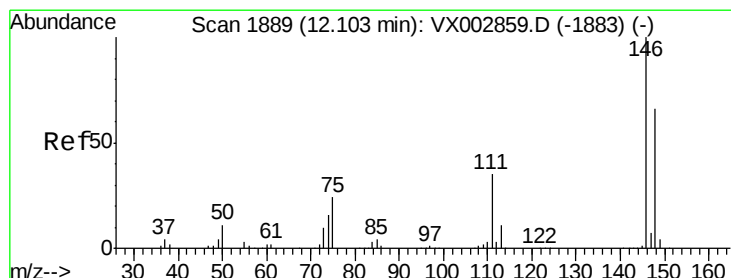
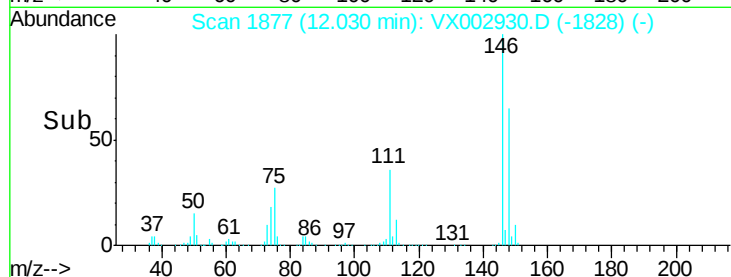
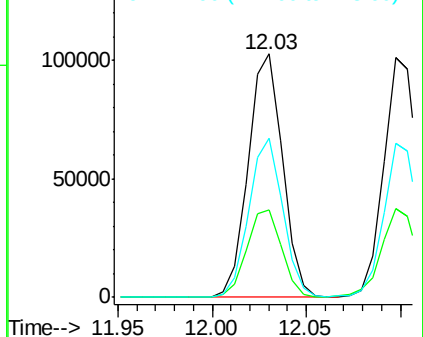
148 64.2 32.1 96.3



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: 18.13 ug/l

RT: 12.10 min Scan# 1888

Delta R.T. -0.01 min

Lab File: VX002930.D

Acq: 27 Jun 2018 12:32

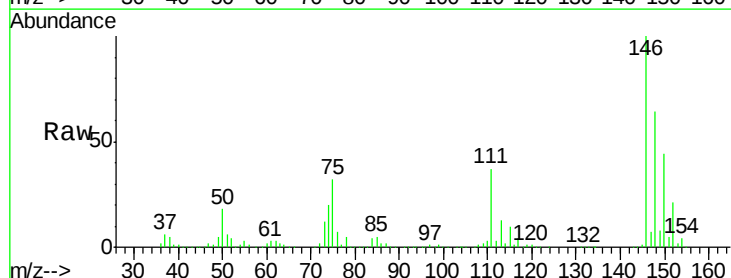
Tgt Ion:146 Resp: 130014

Ion Ratio Lower Upper

146 100

111 38.2 18.7 56.1

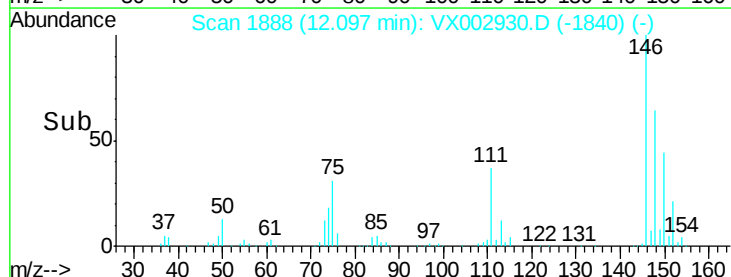
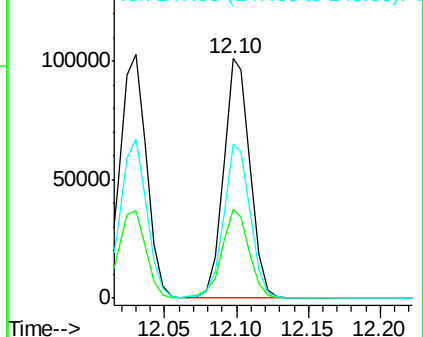
148 64.9 32.4 97.0



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: 18.96 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VX002930.D

Acq: 27 Jun 2018 12:32

Instrument :

MSVOA_X

ClientSampleId :

VX0627MBS01

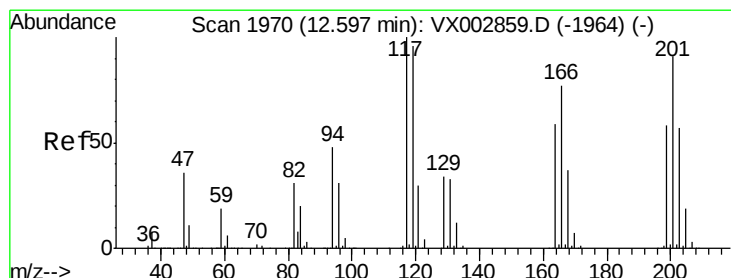
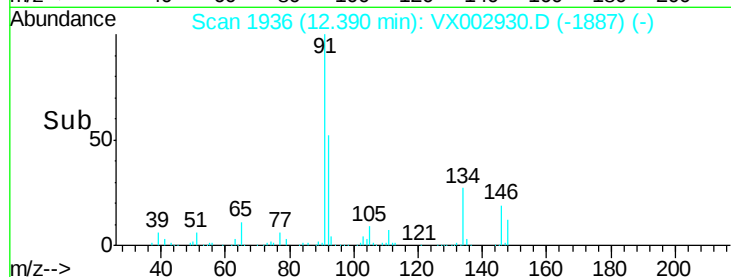
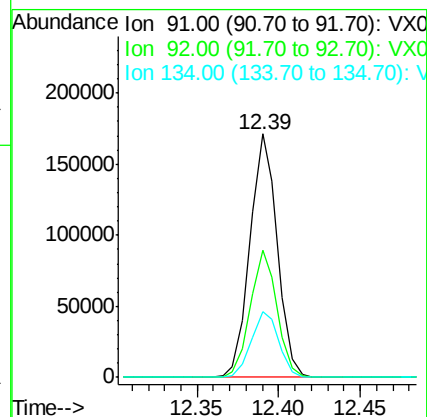
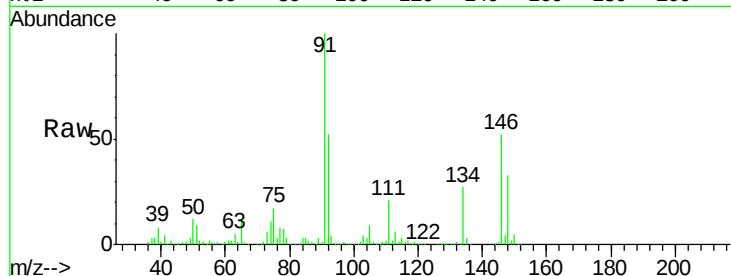
Tot Ion: 91 Resp: 200149

Ion Ratio Lower Upper

91 100

92 51.5 26.0 78.0

134 27.2 13.5 40.5



#90

Hexachloroethane

Concen: 17.80 ug/l

RT: 12.60 min Scan# 1970

Delta R.T. -0.00 min

Lab File: VX002930.D

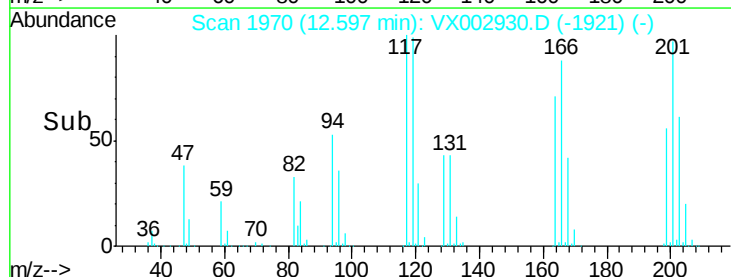
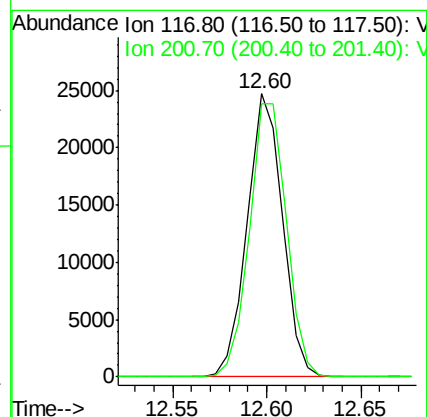
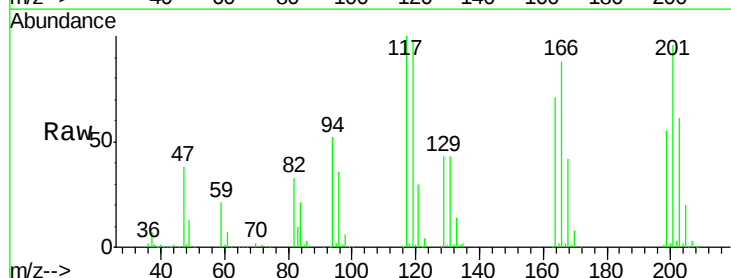
Acq: 27 Jun 2018 12:32

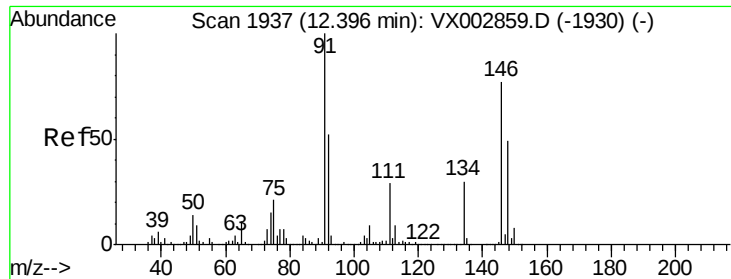
Tgt Ion: 117 Resp: 32121

Ion Ratio Lower Upper

117 100

201 101.3 49.0 147.0





#91

1,2-Dichlorobenzene

Concen: 18.38 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX002930.D

Acq: 27 Jun 2018 12:32

Instrument :

MSVOA_X

ClientSampled :

VX0627MBS01

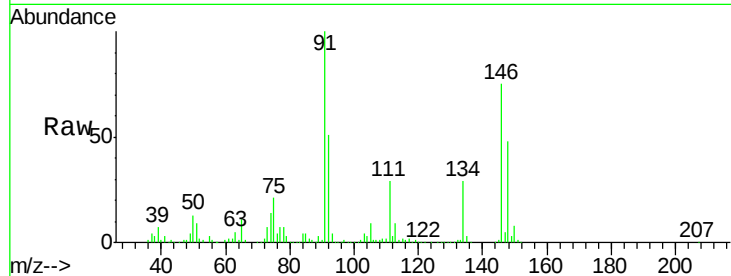
Tot Ion:146 Resp: 129274

Ion Ratio Lower Upper

146 100

111 38.7 19.4 58.1

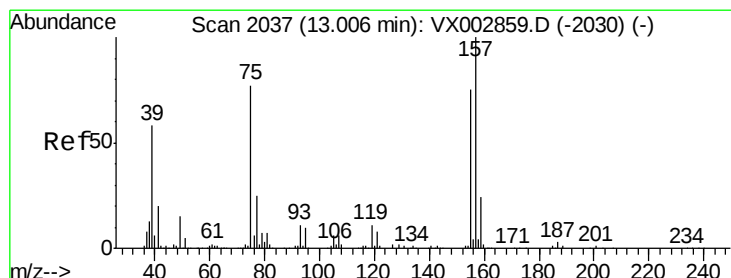
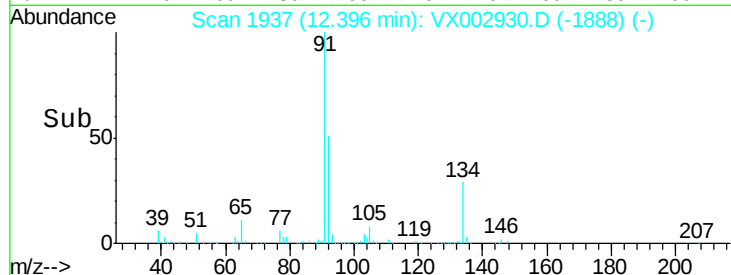
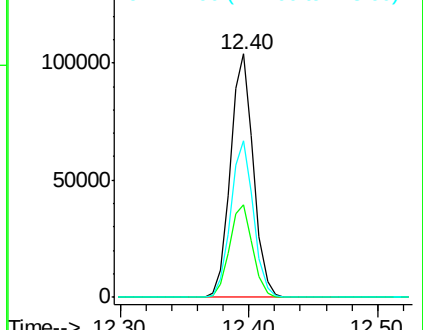
148 63.7 31.7 95.1



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 16.68 ug/l

RT: 13.00 min Scan# 2036

Delta R.T. -0.01 min

Lab File: VX002930.D

Acq: 27 Jun 2018 12:32

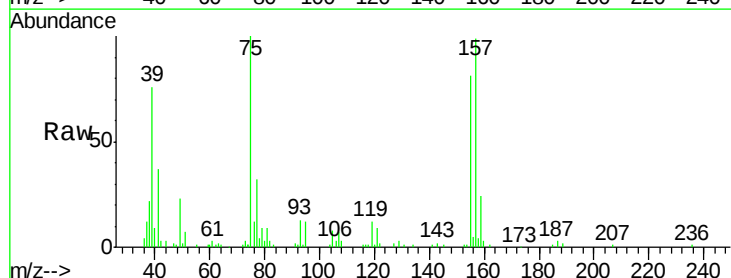
Tgt Ion: 75 Resp: 15473

Ion Ratio Lower Upper

75 100

155 94.6 45.8 137.4

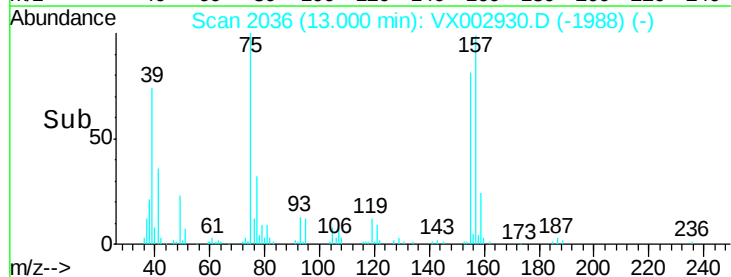
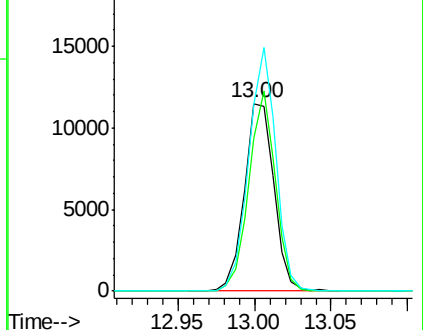
157 118.4 60.1 180.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

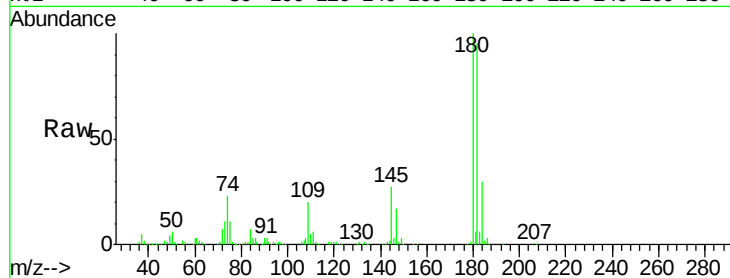




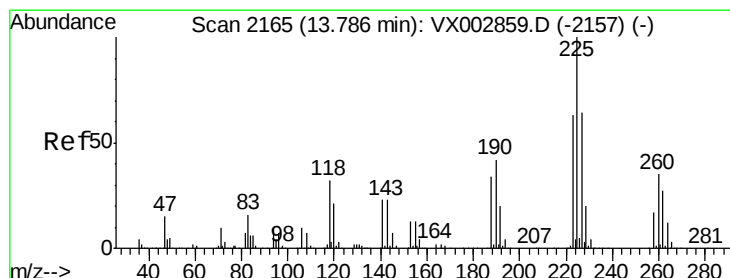
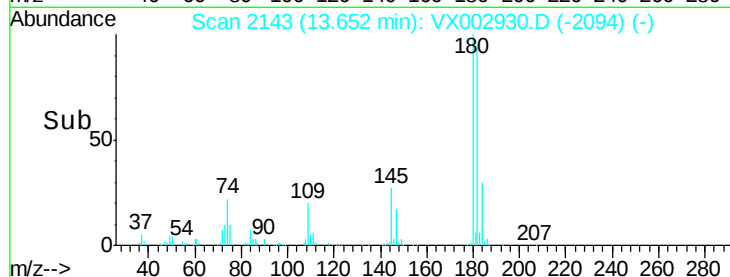
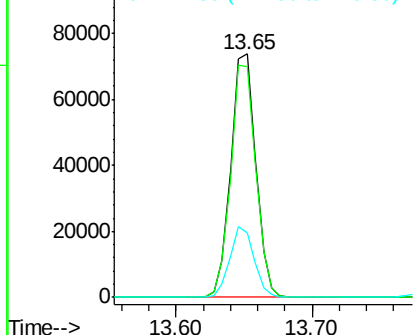
#93
 1,2,4-Trichlorobenzene
 Concen: 18.49 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX002930.D
 Acq: 27 Jun 2018 12:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0627MBS01

Tot Ion:180 Resp: 94674
 Ion Ratio Lower Upper
 180 100
 182 96.1 47.7 143.1
 145 28.4 14.1 42.4

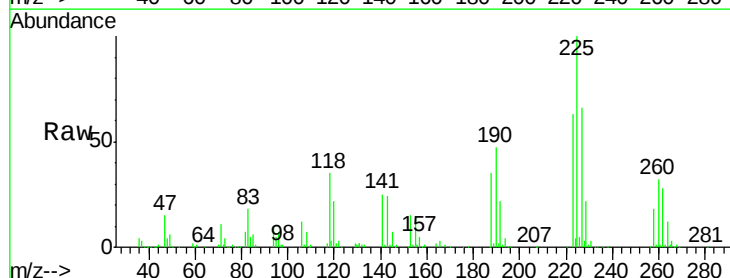


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

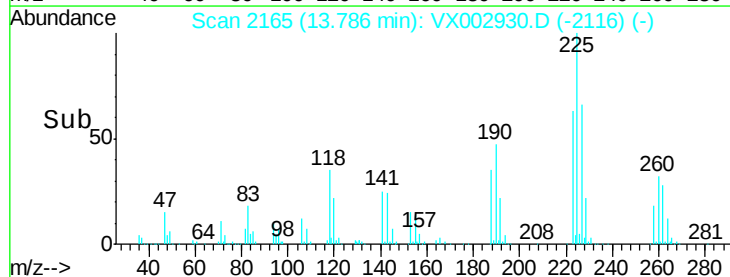
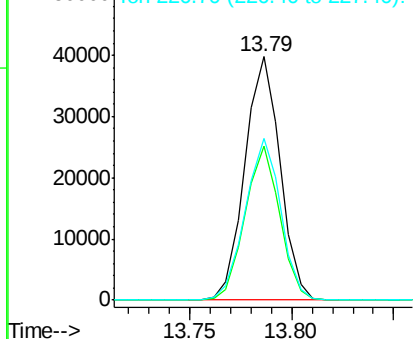


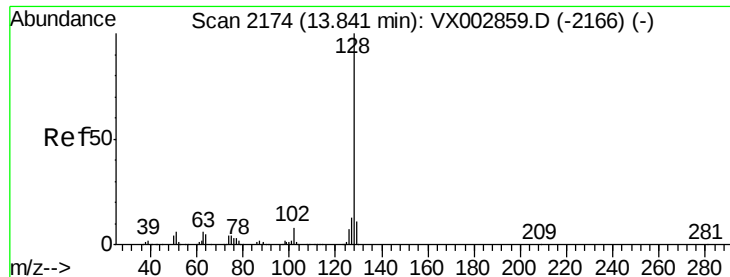
#94
 Hexachlorobutadiene
 Concen: 18.68 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX002930.D
 Acq: 27 Jun 2018 12:32

Tgt Ion:225 Resp: 47705
 Ion Ratio Lower Upper
 225 100
 223 62.3 31.6 95.0
 227 66.8 32.4 97.2



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 18.08 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX002930.D

Acq: 27 Jun 2018 12:32

Instrument :

MSVOA_X

ClientSampleId :

VX0627MBS01

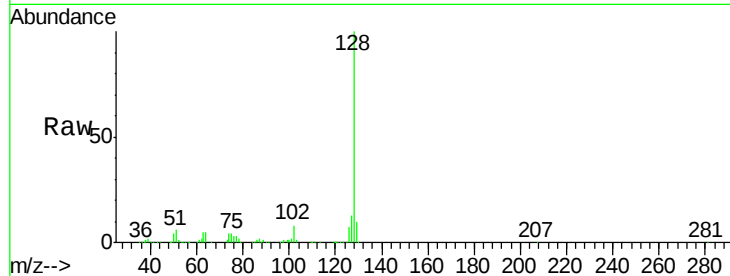
Tot Ion:128 Resp: 246451

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

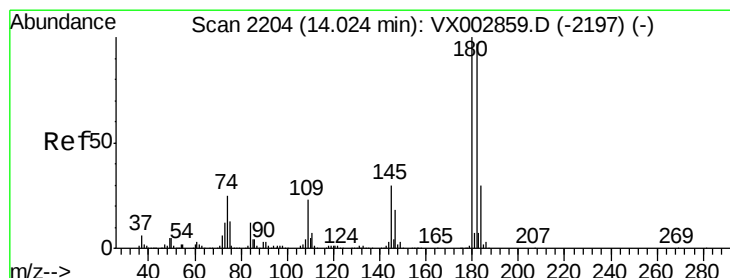
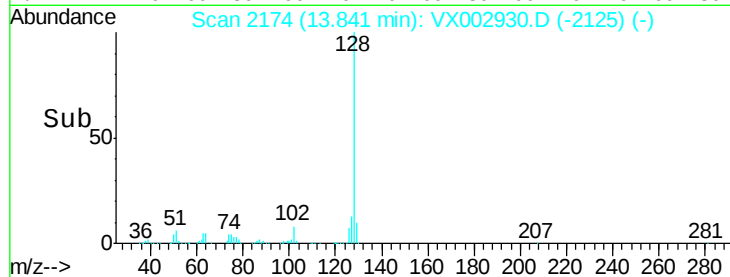
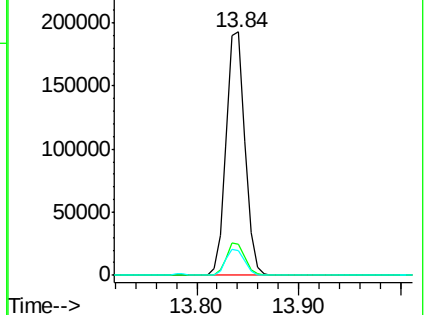
129 11.0 8.6 13.0



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: 18.75 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX002930.D

Acq: 27 Jun 2018 12:32

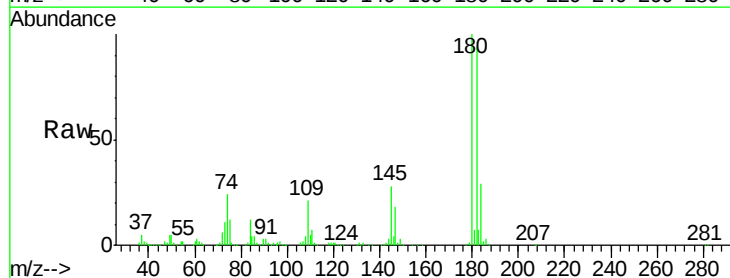
Tgt Ion:180 Resp: 95894

Ion Ratio Lower Upper

180 100

182 94.2 48.0 144.0

145 29.0 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

