

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082018\
 Data File : VX004156.D
 Acq On : 20 Aug 2018 16:42
 Operator : JC/MD
 Sample : J4541-04MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY070MW233-180815MSD

Quant Time: Aug 21 01:04:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 13:27:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	304727	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	444905	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	435023	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	266045	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	210906	49.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.24%	
35) Dibromofluoromethane	5.50	113	178568	53.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.26%	
50) Toluene-d8	8.72	98	682427	50.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.10%	
62) 4-Bromofluorobenzene	11.14	95	252259	51.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	136284	45.94	ug/l	99
3) Chloromethane	1.32	50	170135	46.74	ug/l	99
4) Vinyl Chloride	1.40	62	211415	53.68	ug/l	96
5) Bromomethane	1.64	94	87131	43.63	ug/l	99
6) Chloroethane	1.71	64	132412	51.15	ug/l	96
7) Trichlorofluoromethane	1.92	101	259833	47.03	ug/l	99
8) Diethyl Ether	2.19	74	115661	47.95	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	160293	46.51	ug/l	100
10) Methyl Iodide	2.51	142	162274	44.67	ug/l	100
11) Tert butyl alcohol	3.07	59	185299	214.32	ug/l	99
12) 1,1-Dichloroethene	2.37	96	152783	47.66	ug/l	96
13) Acrolein	2.29	56	139728	238.72	ug/l	98
14) Allyl chloride	2.73	41	286382	46.95	ug/l	96
15) Acrylonitrile	3.15	53	506827	235.11	ug/l	99
16) Acetone	2.45	43	498478	223.31	ug/l	100
17) Carbon Disulfide	2.56	76	415620	45.71	ug/l	100
18) Methyl Acetate	2.78	43	241013	48.59	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	545139	48.27	ug/l	100
20) Methylene Chloride	2.85	84	181677	49.79	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	173515	47.66	ug/l	95
22) Diisopropyl ether	3.87	45	551909	46.18	ug/l	97
23) Vinyl Acetate	3.82	43	2170317	221.08	ug/l	99
24) 1,1-Dichloroethane	3.69	63	308299	45.54	ug/l	98
25) 2-Butanone	4.70	43	805252	221.71	ug/l	99
26) 2,2-Dichloropropane	4.58	77	225266	41.85	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	213822	52.23	ug/l	96
28) Bromochloromethane	5.02	49	154593	49.77	ug/l	98
29) Tetrahydrofuran	5.16	42	412696	222.40	ug/l	100
30) Chloroform	5.21	83	324296	49.08	ug/l	98
31) Cyclohexane	5.57	56	271798	45.80	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	271364	49.15	ug/l	98
36) 1,1-Dichloropropene	5.80	75	238785	47.17	ug/l	100
37) Ethyl Acetate	4.86	43	233175	42.29	ug/l	100
38) Carbon Tetrachloride	5.78	117	239548	48.70	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	273882	47.69	ug/l	99
40) Benzene	6.14	78	739668	48.66	ug/l	100
41) Methacrylonitrile	5.06	41	139378	45.14	ug/l	99
42) 1,2-Dichloroethane	6.20	62	252337	47.42	ug/l	100
43) Isopropyl Acetate	6.46	43	371024	45.66	ug/l	100
44) Trichloroethene	7.21	130	197291	47.80	ug/l	91
45) 1,2-Dichloropropane	7.52	63	183250	47.09	ug/l	97
46) Dibromomethane	7.66	93	124715	49.04	ug/l	99
47) Bromodichloromethane	7.90	83	240862	50.01	ug/l	99
48) Methyl methacrylate	7.78	41	203659	49.79	ug/l	98
49) 1,4-Dioxane	7.76	88	81797	888.13	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	1657588	248.77	ug/l	100
52) Toluene	8.79	92	475650	49.47	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	266035	51.13	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	278079	48.26	ug/l	100
55) 1,1,2-Trichloroethane	9.22	97	192732	48.54	ug/l	97
56) Ethyl methacrylate	9.18	69	280309	51.92	ug/l	100
57) 1,3-Dichloropropane	9.37	76	325529	49.42	ug/l	100
59) 2-Hexanone	9.50	43	1251737	249.61	ug/l	100
60) Dibromochloromethane	9.59	129	194379	50.87	ug/l	100
61) 1,2-Dibromoethane	9.67	107	199011	49.17	ug/l	100
64) Tetrachloroethene	9.34	164	177056	42.94	ug/l	96
65) Chlorobenzene	10.14	112	535303	47.64	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.23	131	191111	49.86	ug/l	99
67) Ethyl Benzene	10.25	91	892827	50.18	ug/l	99
68) m/p-Xylenes	10.36	106	715099	102.62	ug/l	95
69) o-Xylene	10.70	106	340556	51.14	ug/l	96
70) Styrene	10.71	104	580130	51.76	ug/l	97
71) Bromoform	10.86	173	149576	49.22	ug/l	99
73) Isopropylbenzene	11.02	105	904859	50.26	ug/l	97
74) N-amyl acetate	6.46	43	371024	43.81	ug/l	# 100
75) 1,1,2,2-Tetrachloroethane	11.27	83	301746	47.99	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	316604	59.34	ug/l	86
77) Bromobenzene	11.26	156	237531	47.86	ug/l	99
78) n-propylbenzene	11.36	91	993616	49.32	ug/l	99
79) 2-Chlorotoluene	11.42	91	589207	47.99	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	743330	50.42	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	82554	47.90	ug/l	99
82) 4-Chlorotoluene	11.51	91	720448	49.64	ug/l	100
83) tert-Butylbenzene	11.77	119	772938	52.00	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	789309	51.70	ug/l	100
85) sec-Butylbenzene	11.94	105	902683	51.89	ug/l	100
86) p-Isopropyltoluene	12.07	119	813690	51.67	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	451225	47.67	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	448909	46.08	ug/l	99
89) n-Butylbenzene	12.39	91	686272	55.30	ug/l	98
90) Hexachloroethane	12.60	117	125111	53.09	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	458574	53.72	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.00	75	60331	54.60	ug/l	96
93) 1,2,4-Trichlorobenzene	13.65	180	313163	53.66	ug/l	99

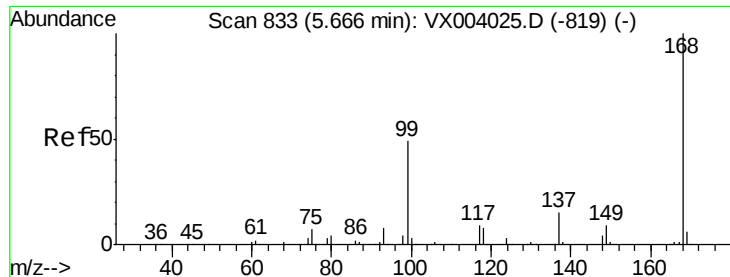
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082018\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.79	225	141252	48.29	ug/l	98
95) Naphthalene	13.83	128	947954	50.94	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	313957	49.34	ug/l	99

(#) = 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: VX004156.D

Acq: 20 Aug 2018 16:42

Instrument :

MSVOA_X

ClientSampleId :

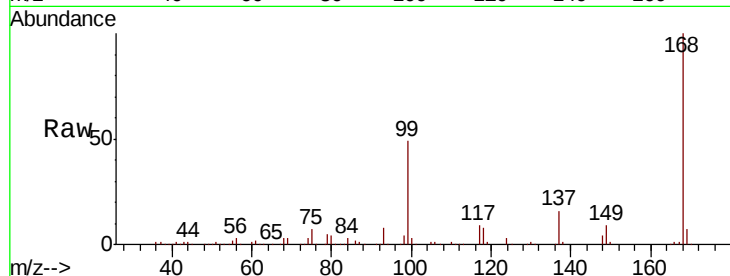
KY070MW233-180815MSD

Tot Ion:168 Resp: 304727

Ion Ratio Lower Upper

168 100

99 48.9 40.1 60.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

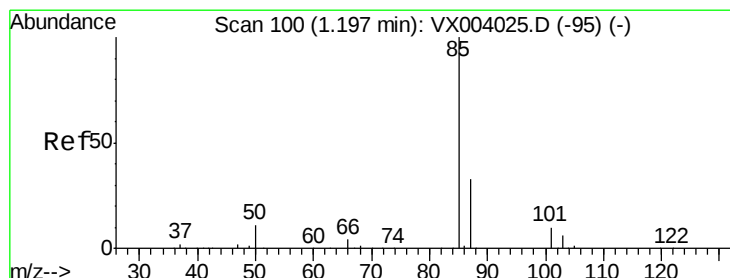
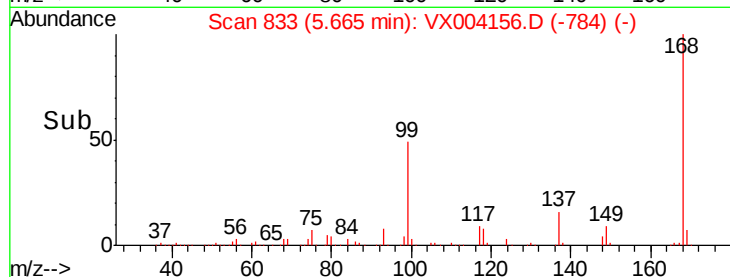
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 45.94 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX004156.D

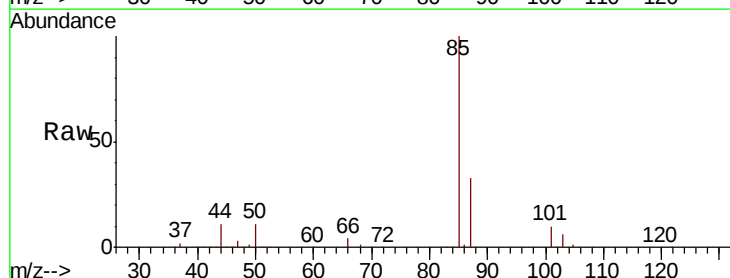
Acq: 20 Aug 2018 16:42

Tgt Ion: 85 Resp: 136284

Ion Ratio Lower Upper

85 100

87 32.8 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

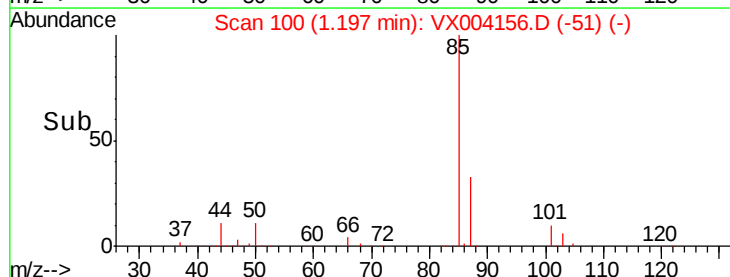
1.20

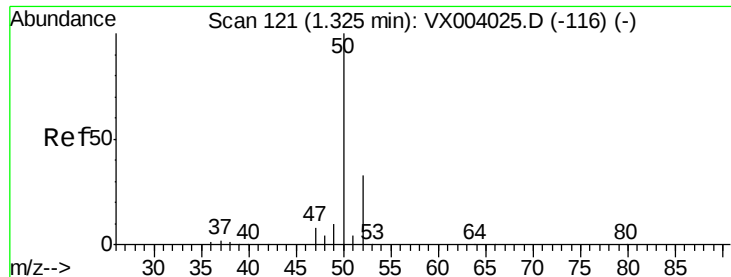
100000

50000

0

Time-->





#3

Chloromethane

Concen: 46.74 ug/l

RT: 1.32 min Scan# 120

Delta R.T. -0.01 min

Lab File: VX004156.D

Acq: 20 Aug 2018 16:42

Instrument :

MSVOA_X

ClientSampleId :

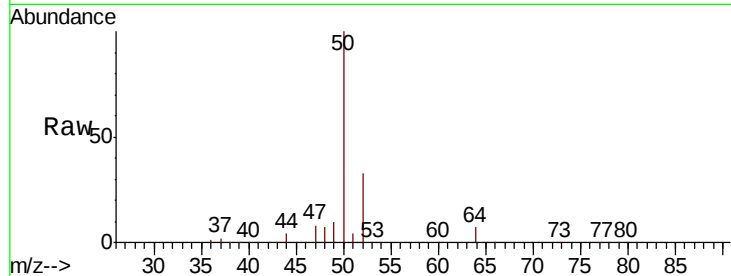
KY070MW233-180815MSD

Tot Ion: 50 Resp: 170135

Ion Ratio Lower Upper

50 100

52 32.9 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

150000

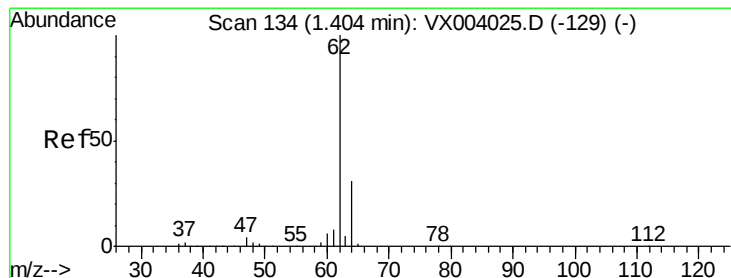
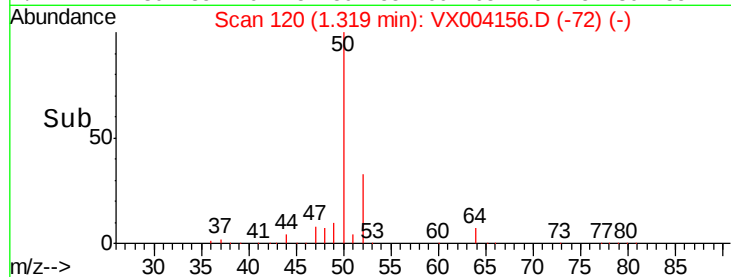
100000

50000

0

1.30 1.35 1.40

Time-->



#4

Vinyl Chloride

Concen: 53.68 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX004156.D

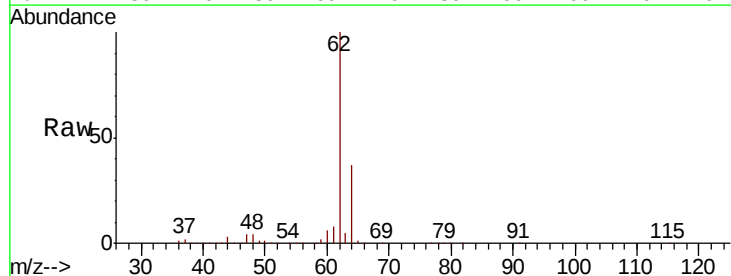
Acq: 20 Aug 2018 16:42

Tgt Ion: 62 Resp: 211415

Ion Ratio Lower Upper

62 100

64 34.5 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

250000

200000

150000

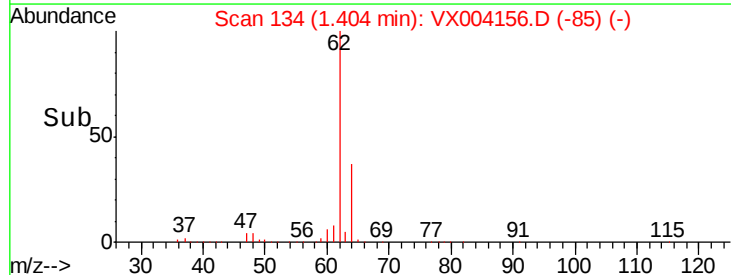
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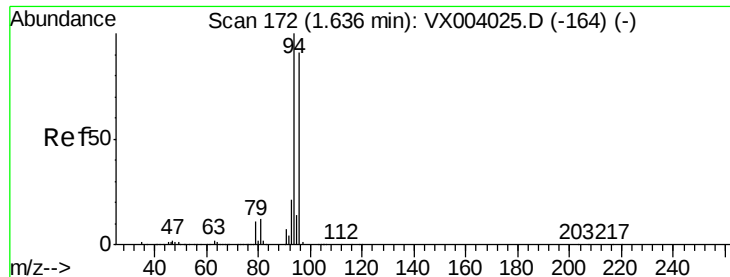
50000

0

1.30 1.40 1.50

Time-->





#5

Bromomethane

Concen: 43.63 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX004156.D

Acq: 20 Aug 2018 16:42

Instrument :

MSVOA_X

ClientSampleId :

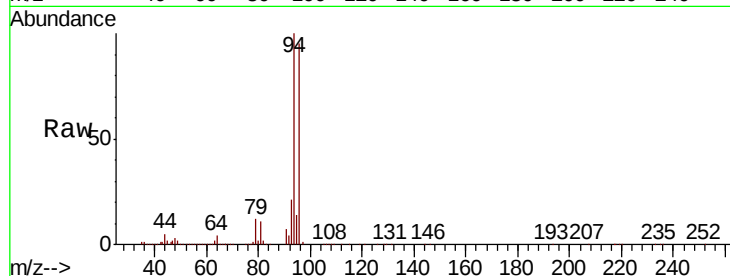
KY070MW233-180815MSD

Tot Ion: 94 Resp: 87131

Ion Ratio Lower Upper

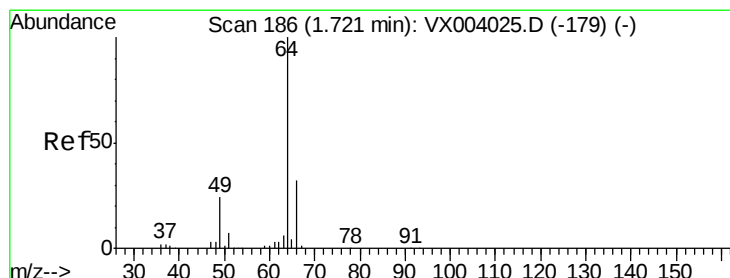
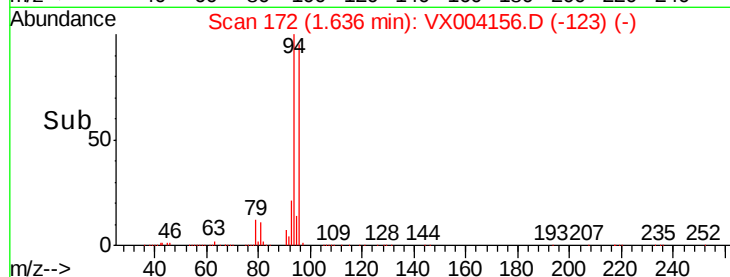
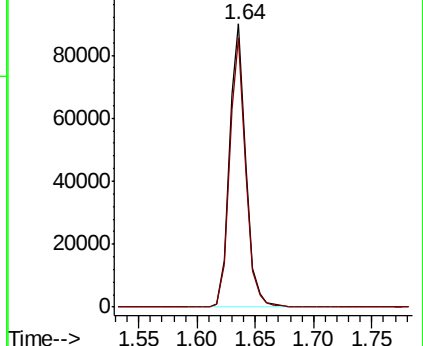
94 100

96 95.3 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 51.15 ug/l

RT: 1.71 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX004156.D

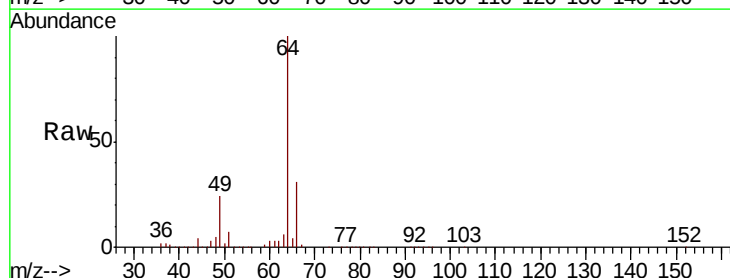
Acq: 20 Aug 2018 16:42

Tgt Ion: 64 Resp: 132412

Ion Ratio Lower Upper

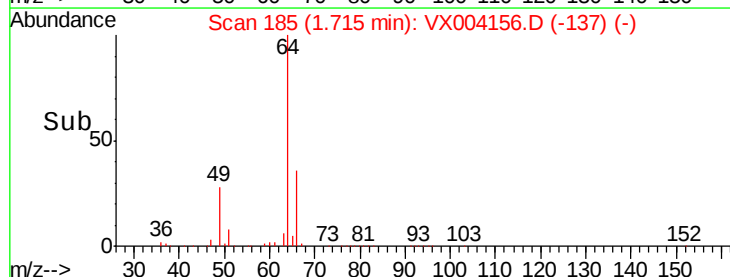
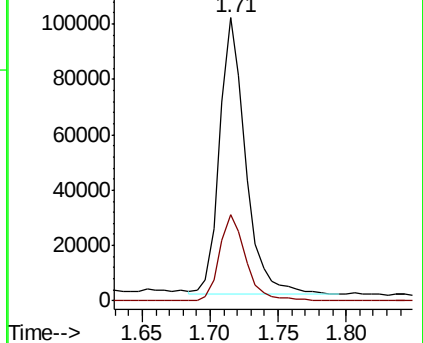
64 100

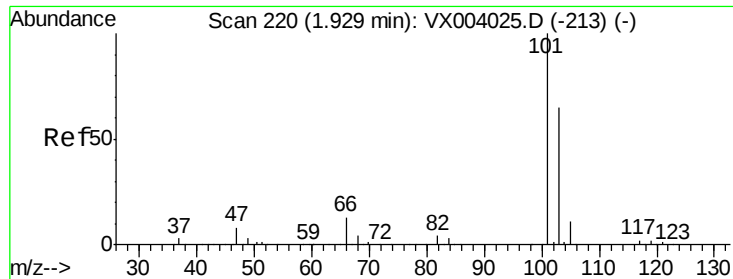
66 31.0 26.5 39.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



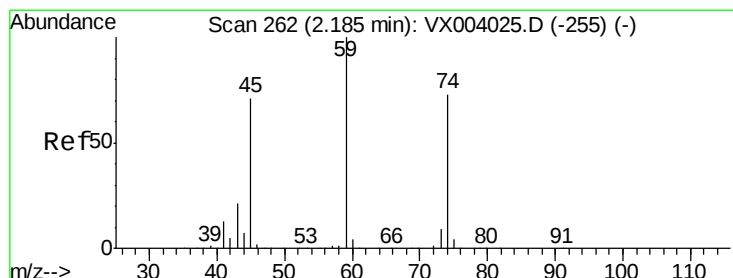
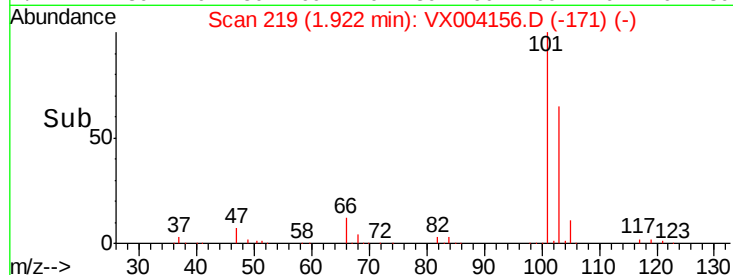
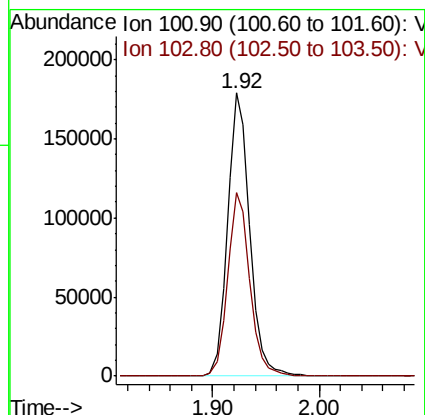
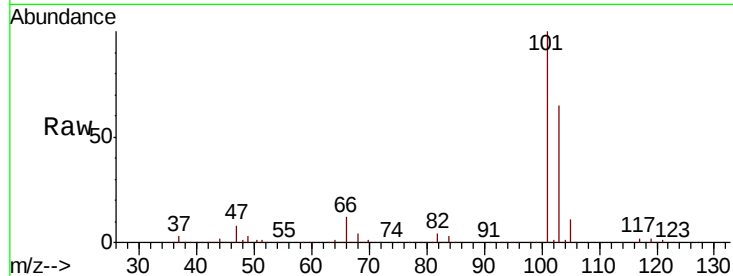


#7

Trichlorofluoromethane
 Concen: 47.03 ug/l
 RT: 1.92 min Scan# 219
 Delta R.T. -0.01 min
 Lab File: VX004156.D
 Acq: 20 Aug 2018 16:42

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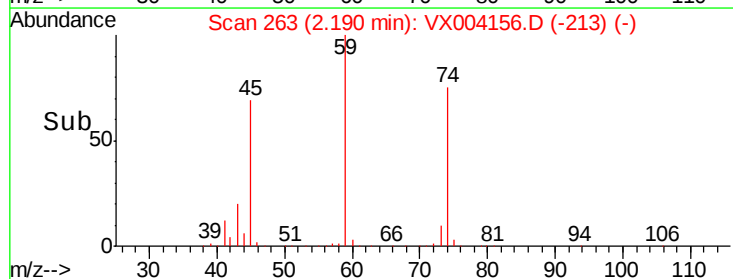
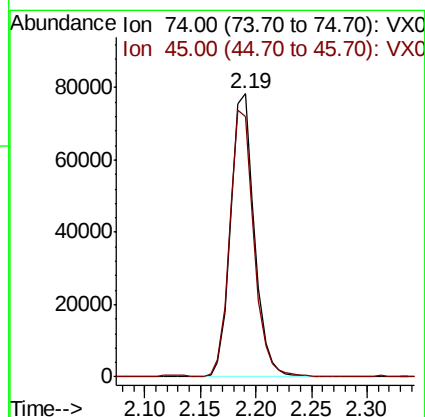
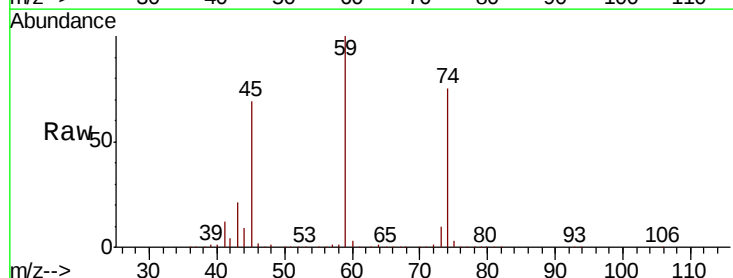
Tot Ion:101 Resp: 259833
 Ion Ratio Lower Upper
 101 100
 103 64.9 52.3 78.5

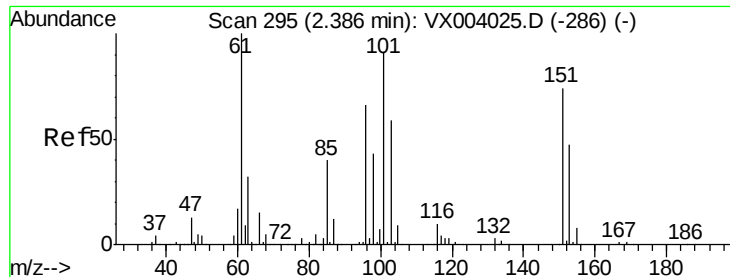


#8

Diethyl Ether
 Concen: 47.95 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.01 min
 Lab File: VX004156.D
 Acq: 20 Aug 2018 16:42

Tgt Ion: 74 Resp: 115661
 Ion Ratio Lower Upper
 74 100
 45 95.1 48.3 144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.51 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.01 min

Lab File: VX004156.D

Acq: 20 Aug 2018 16:42

Instrument :

MSVOA_X

ClientSampleId :

KY070MW233-180815MSD

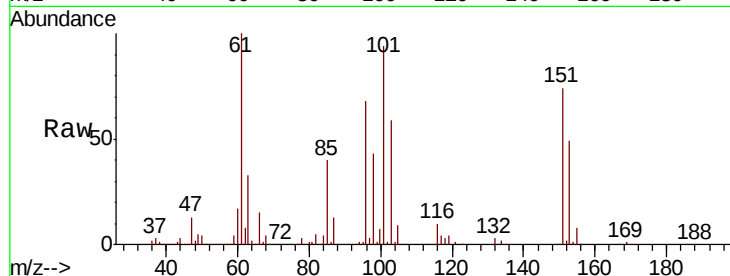
Tot Ion:101 Resp: 160293

Ion Ratio Lower Upper

101 100

85 42.5 34.2 51.4

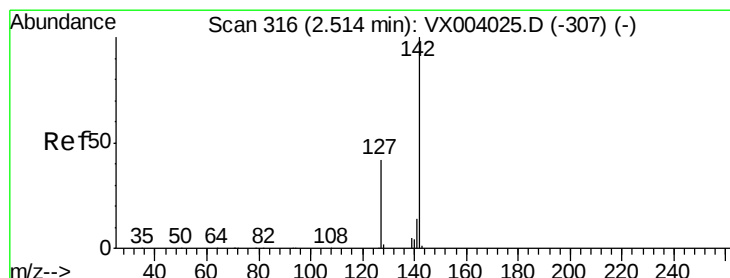
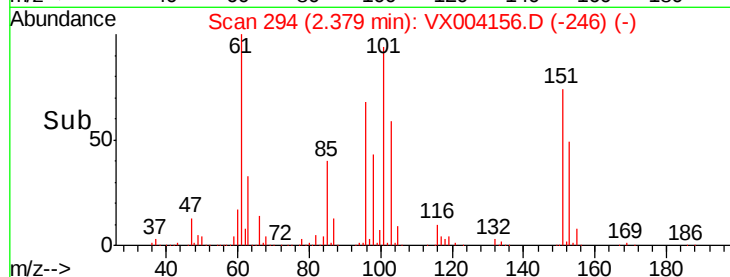
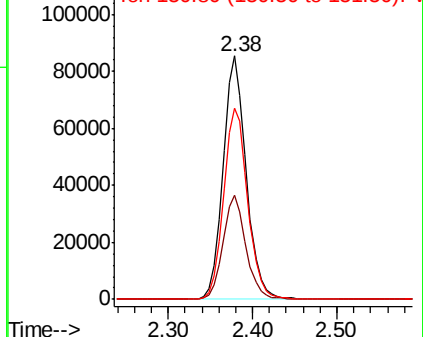
151 81.4 65.0 97.4



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: 44.67 ug/l

RT: 2.51 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX004156.D

Acq: 20 Aug 2018 16:42

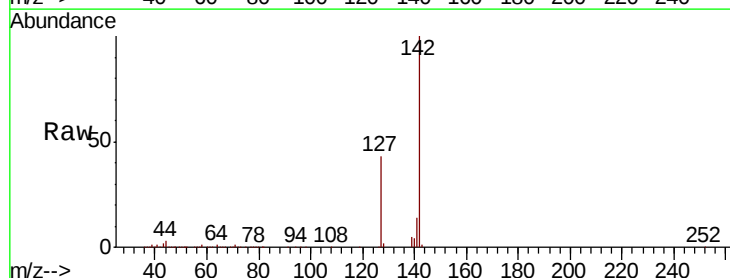
Tgt Ion:142 Resp: 162274

Ion Ratio Lower Upper

142 100

127 41.2 33.1 49.7

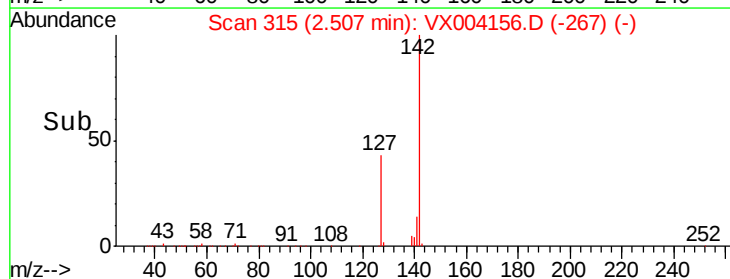
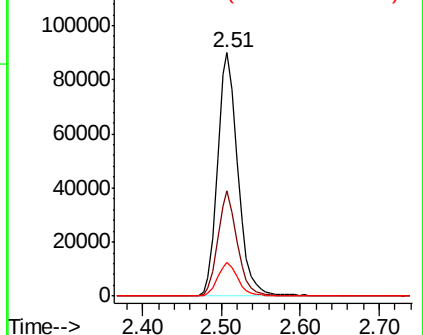
141 13.8 11.1 16.7

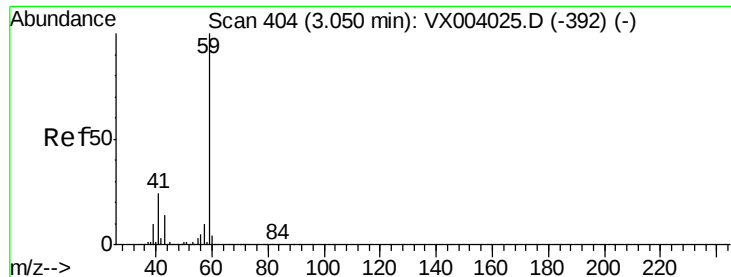


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



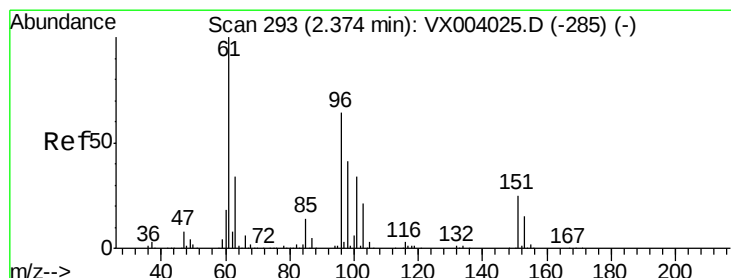
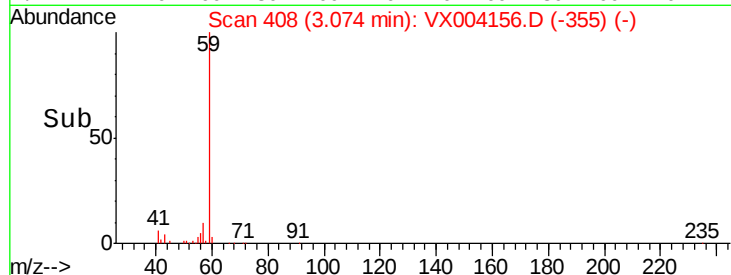
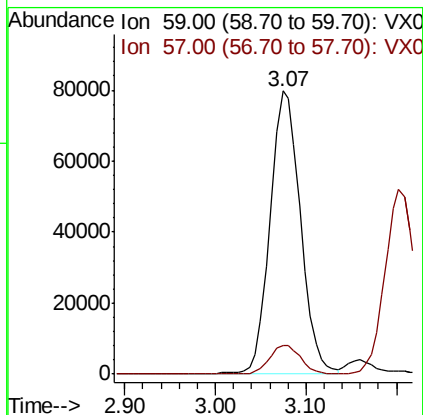
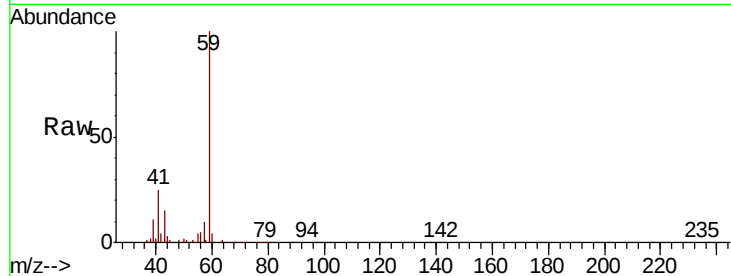


#11

Tert butyl alcohol
 Concen: 214.32 ug/l
 RT: 3.07 min Scan# 408
 Delta R.T. 0.02 min
 Lab File: VX004156.D
 Acq: 20 Aug 2018 16:42

Instrument :
 MSVOA_X
 ClientSampleId :
 KY070MW233-180815MSD

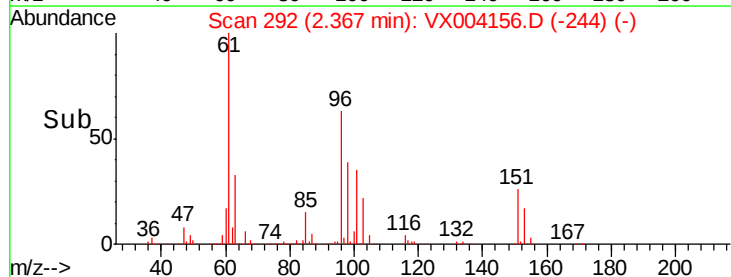
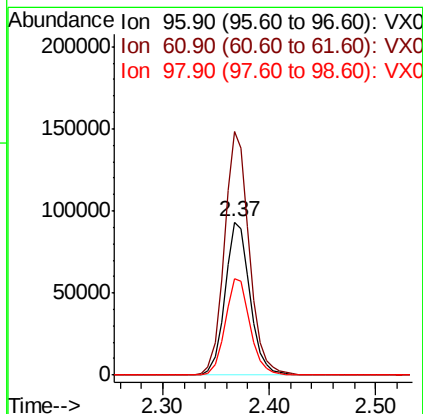
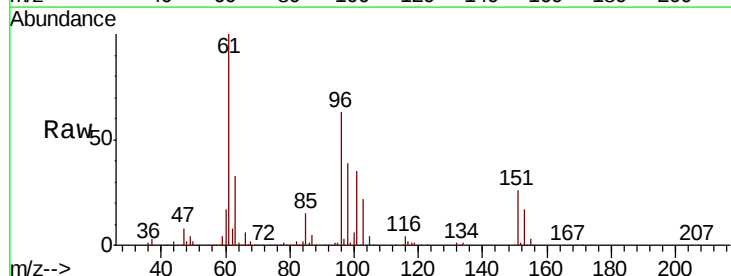
Tot Ion: 59 Resp: 185299
 Ion Ratio Lower Upper
 59 100
 57 10.5 8.1 12.1

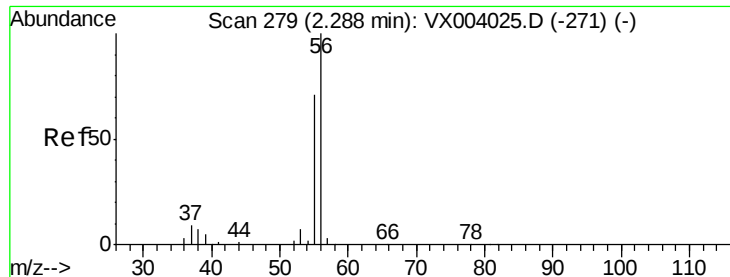


#12

1,1-Dichloroethene
 Concen: 47.66 ug/l
 RT: 2.37 min Scan# 292
 Delta R.T. -0.01 min
 Lab File: VX004156.D
 Acq: 20 Aug 2018 16:42

Tgt Ion: 96 Resp: 152783
 Ion Ratio Lower Upper
 96 100
 61 158.8 131.3 196.9
 98 62.6 51.8 77.6





#13

Acrolein

Concen: 238.72 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX004156.D

Acq: 20 Aug 2018 16:42

Instrument :

MSVOA_X

ClientSampleId :

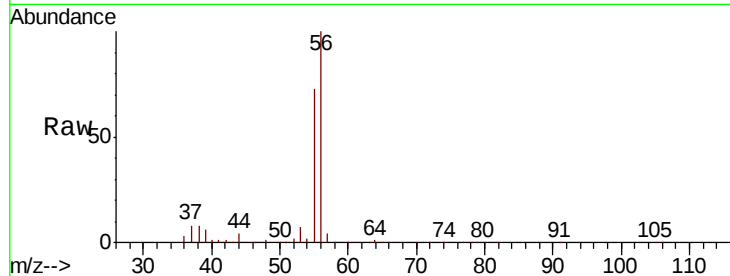
KY070MW233-180815MSD

Tot Ion: 56 Resp: 139728

Ion Ratio Lower Upper

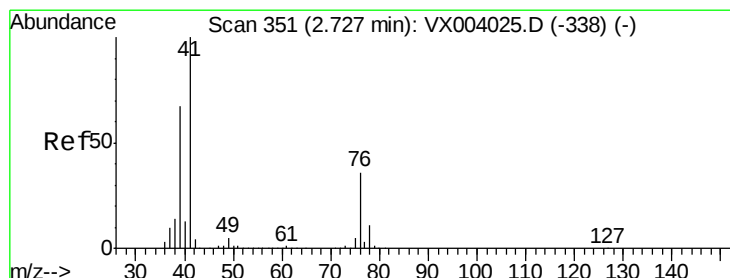
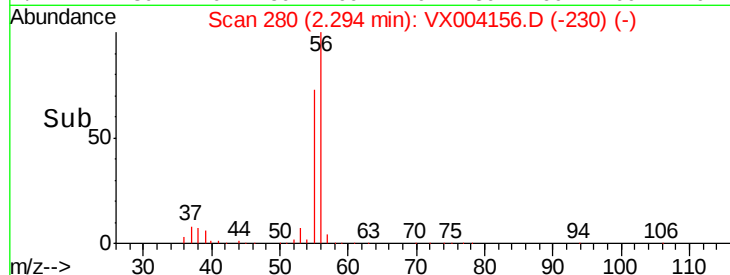
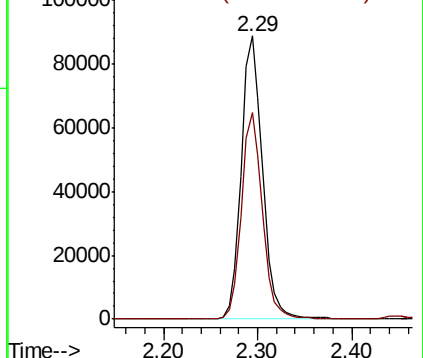
56 100

55 71.7 56.1 84.1



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 46.95 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX004156.D

Acq: 20 Aug 2018 16:42

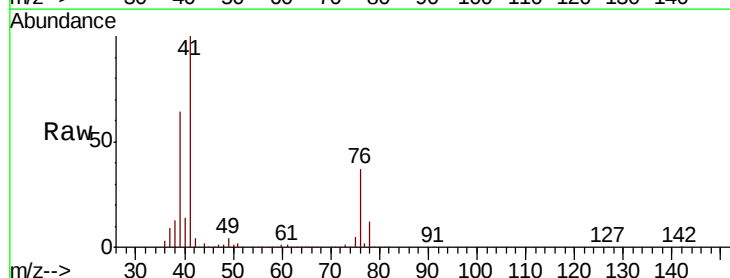
Tgt Ion: 41 Resp: 286382

Ion Ratio Lower Upper

41 100

39 61.2 47.4 71.0

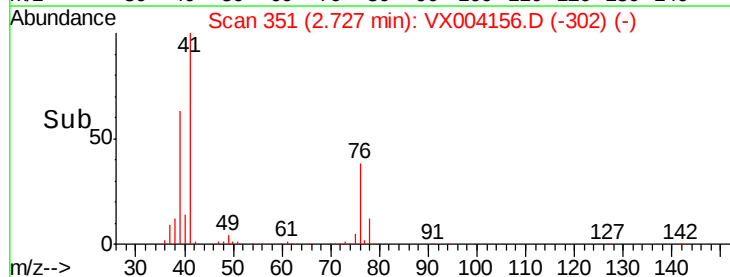
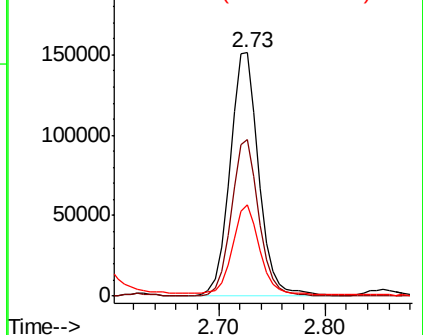
76 36.0 26.0 39.0

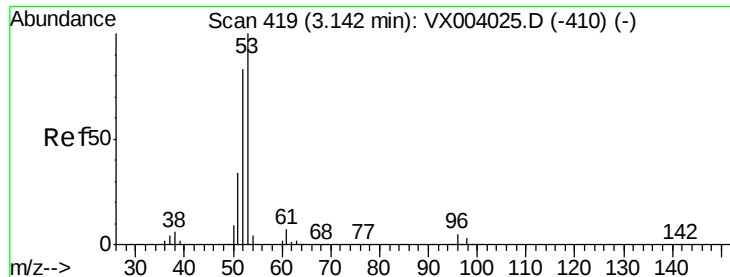


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 235.11 ug/l

RT: 3.15 min Scan# 420

Delta R.T. 0.01 min

Lab File: VX004156.D

Acq: 20 Aug 2018 16:42

Instrument :

MSVOA_X

ClientSampleId :

KY070MW233-180815MSD

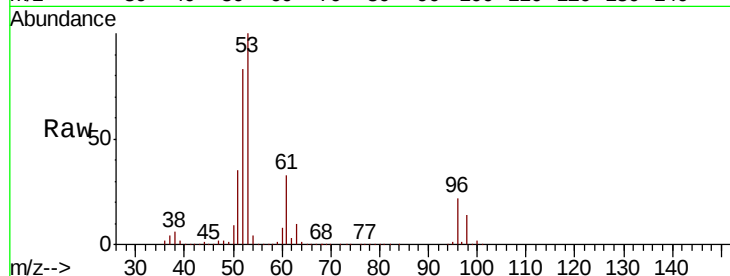
Tot Ion: 53 Resp: 506827

Ion Ratio Lower Upper

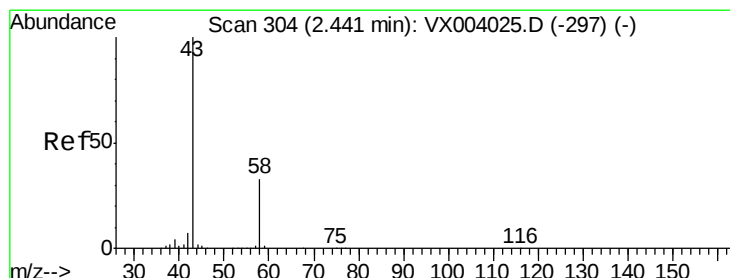
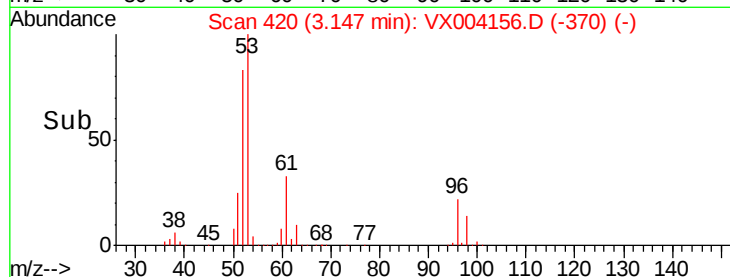
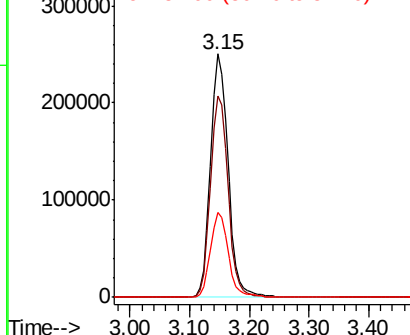
53 100

52 82.6 65.3 97.9

51 35.1 27.9 41.9



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: 223.31 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.01 min

Lab File: VX004156.D

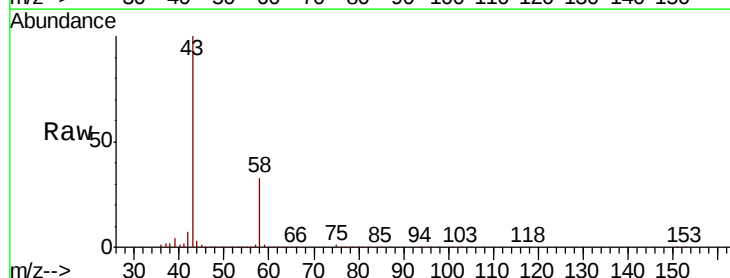
Acq: 20 Aug 2018 16:42

Tgt Ion: 43 Resp: 498478

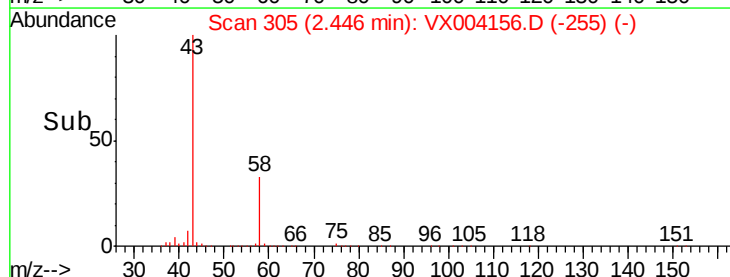
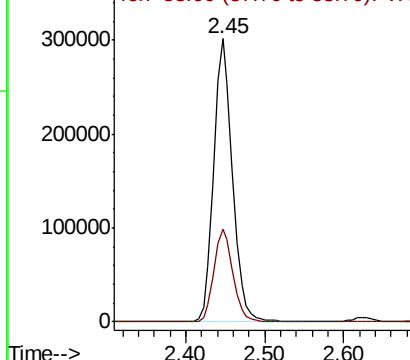
Ion Ratio Lower Upper

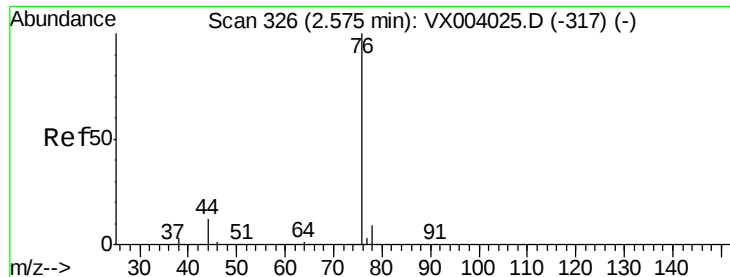
43 100

58 32.8 26.4 39.6



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

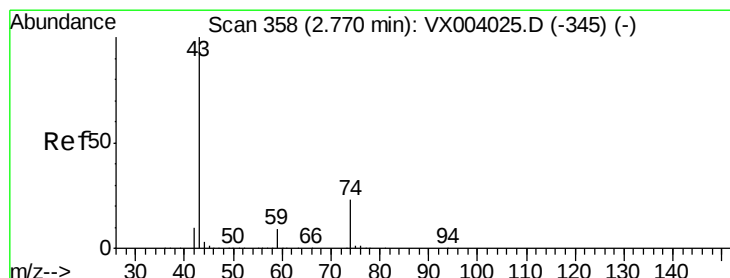
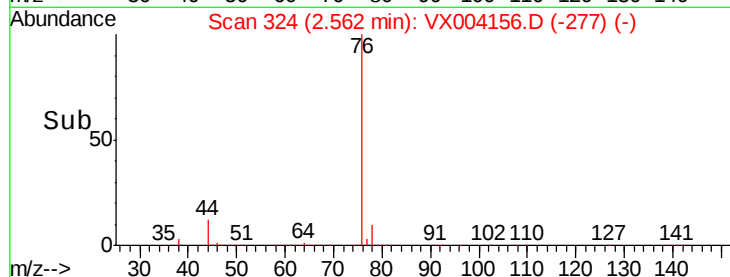
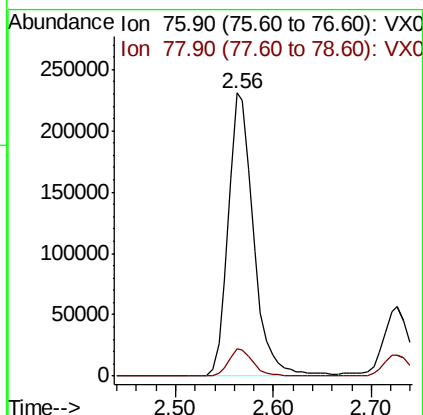
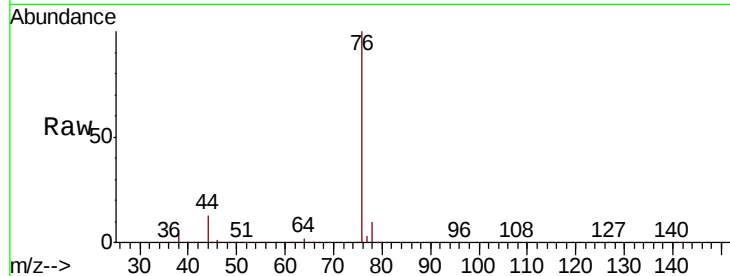




#17
Carbon Disulfide
Concen: 45.71 ug/l
RT: 2.56 min Scan# 324
Delta R.T. -0.01 min
Lab File: VX004156.D
Acq: 20 Aug 2018 16:42

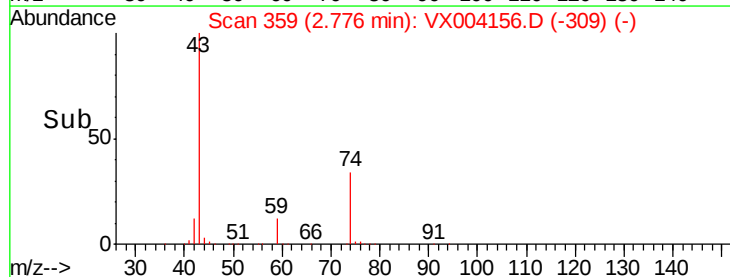
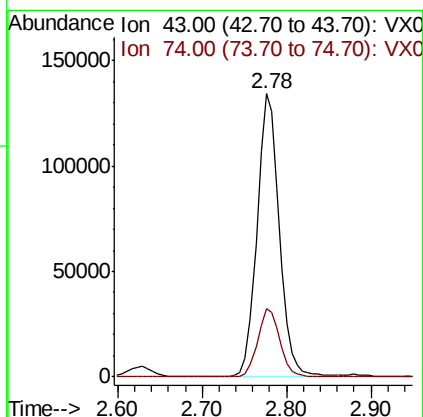
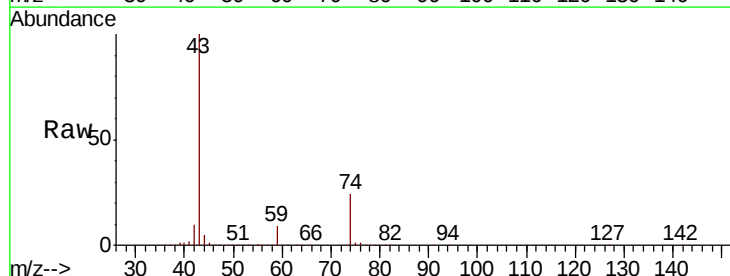
Instrument :
MSVOA_X
ClientSampleId :
KY070MW233-180815MSD

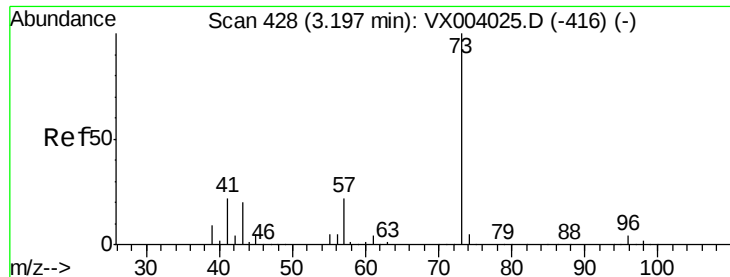
Tot Ion: 76 Resp: 415620
Ion Ratio Lower Upper
76 100
78 9.5 7.5 11.3



#18
Methyl Acetate
Concen: 48.59 ug/l
RT: 2.78 min Scan# 359
Delta R.T. 0.01 min
Lab File: VX004156.D
Acq: 20 Aug 2018 16:42

Tgt Ion: 43 Resp: 241013
Ion Ratio Lower Upper
43 100
74 24.4 18.9 28.3

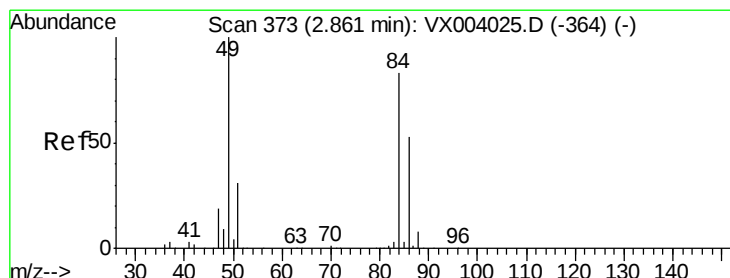
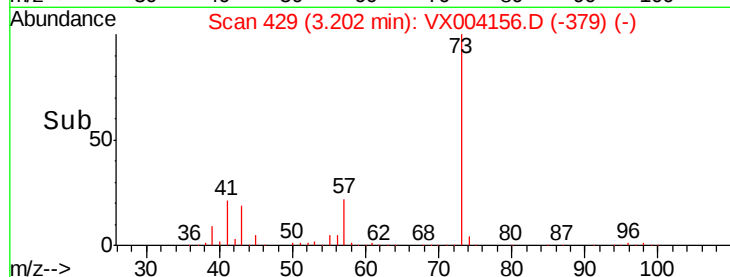
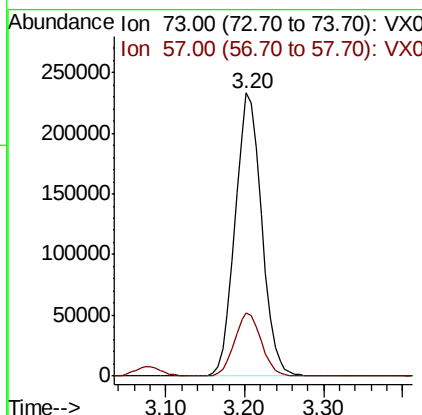
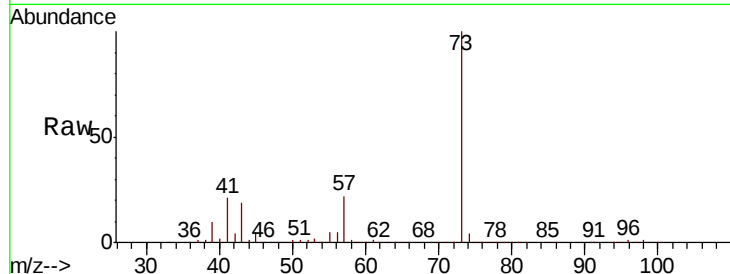




#19
Methvl tert-butvl Ether
Concen: 48.27 ug/l
RT: 3.20 min Scan# 429
Delta R.T. 0.01 min
Lab File: VX004156.D
Acq: 20 Aug 2018 16:42

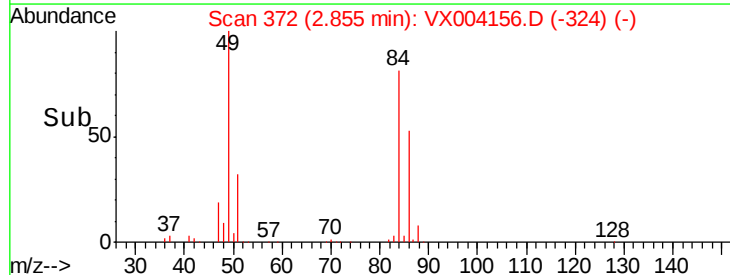
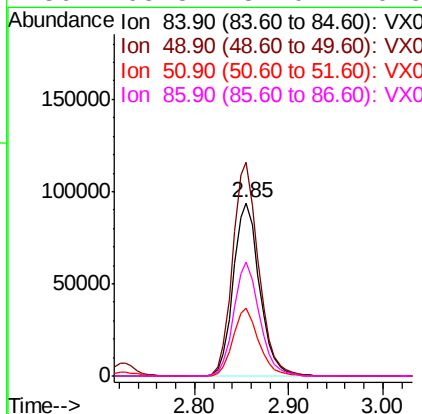
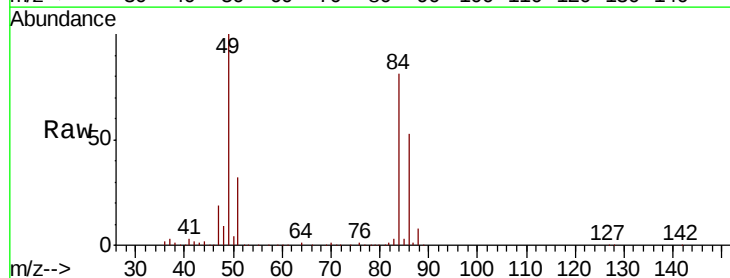
Instrument :
MSVOA_X
ClientSampleId :
KY070MW233-180815MSD

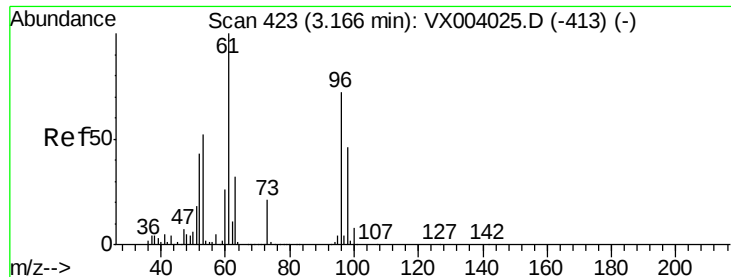
Tot Ion: 73 Resp: 545139
Ion Ratio Lower Upper
73 100
57 22.3 18.0 27.0



#20
Methylene Chloride
Concen: 49.79 ug/l
RT: 2.85 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX004156.D
Acq: 20 Aug 2018 16:42

Tgt Ion: 84 Resp: 181677
Ion Ratio Lower Upper
84 100
49 123.4 98.9 148.3
51 39.0 29.9 44.9
86 65.8 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 47.66 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.01 min

Lab File: VX004156.D

Acq: 20 Aug 2018 16:42

Instrument :

MSVOA_X

ClientSampleId :

KY070MW233-180815MSD

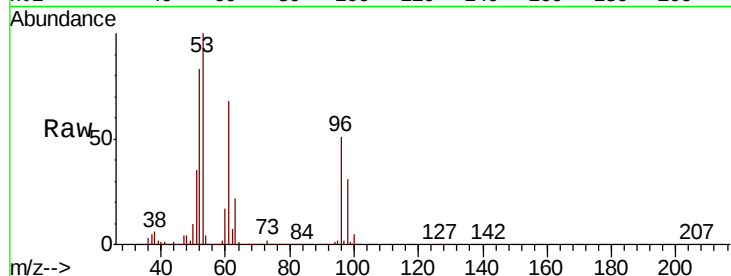
Tot Ion: 96 Resp: 173515

Ion Ratio Lower Upper

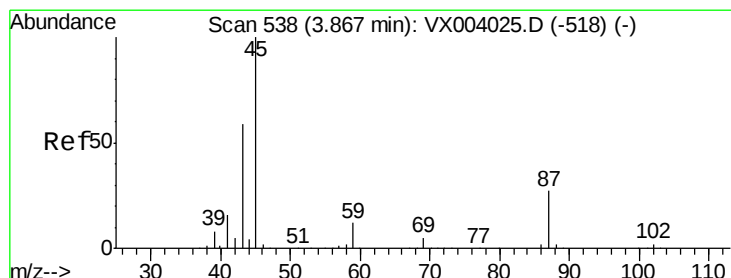
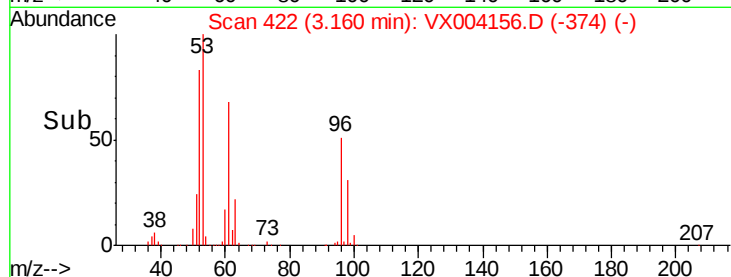
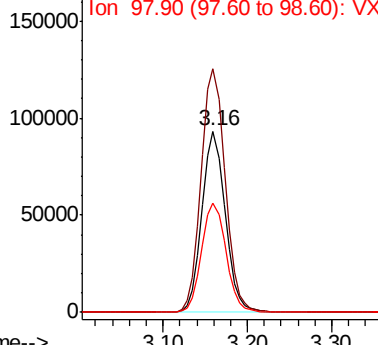
96 100

61 134.4 111.8 167.6

98 60.6 51.8 77.6



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: 46.18 ug/l

RT: 3.87 min Scan# 539

Delta R.T. 0.01 min

Lab File: VX004156.D

Acq: 20 Aug 2018 16:42

Tgt Ion: 45 Resp: 551909

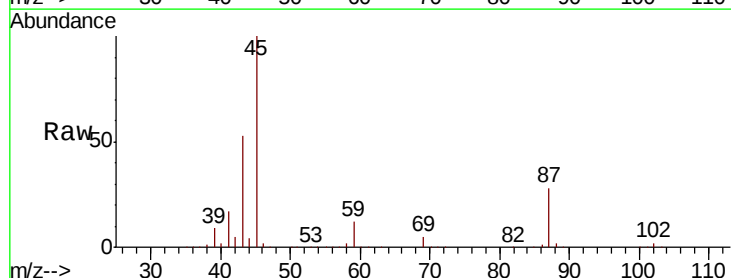
Ion Ratio Lower Upper

45 100

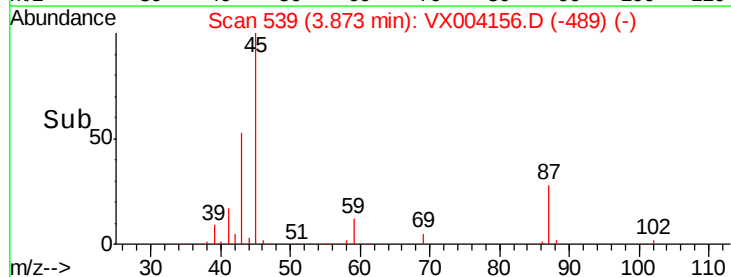
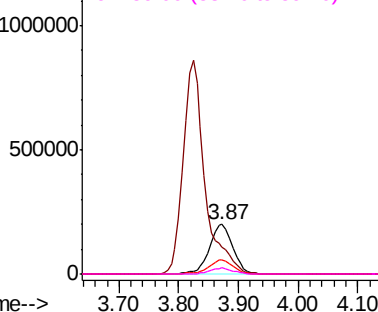
43 53.0 45.3 67.9

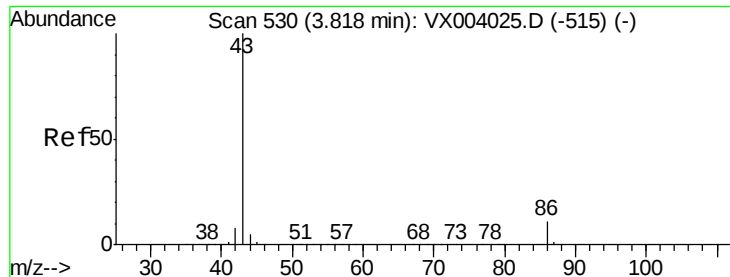
87 28.4 22.7 34.1

59 11.9 9.6 14.4



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: 221.08 ug/l

RT: 3.82 min Scan# 531

Delta R.T. 0.01 min

Lab File: VX004156.D

Acq: 20 Aug 2018 16:42

Instrument :

MSVOA_X

ClientSampleId :

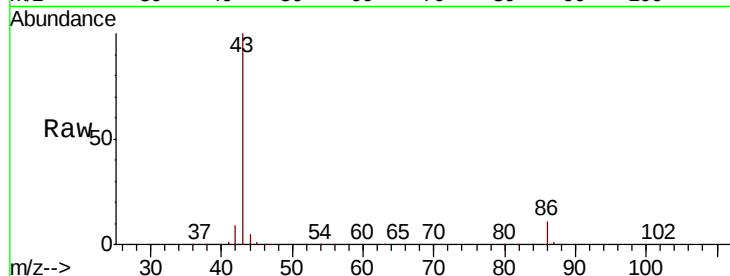
KY070MW233-180815MSD

Tot Ion: 43 Resp: 2170317

Ion Ratio Lower Upper

43 100

86 11.4 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

1000000

800000

600000

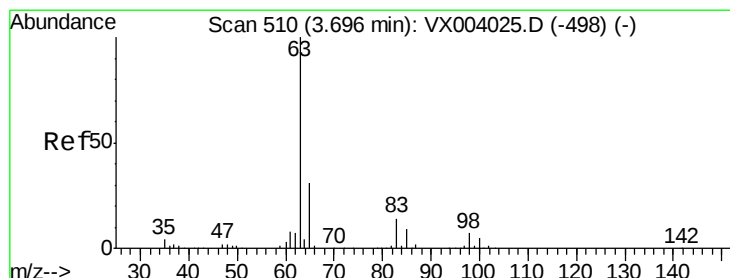
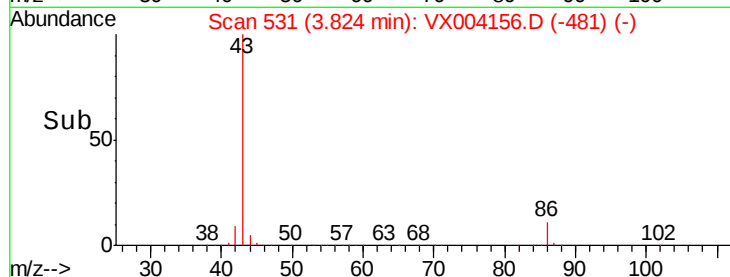
400000

200000

0

3.82

Time-->



#24

1,1-Dichloroethane

Concen: 45.54 ug/l

RT: 3.69 min Scan# 509

Delta R.T. -0.01 min

Lab File: VX004156.D

Acq: 20 Aug 2018 16:42

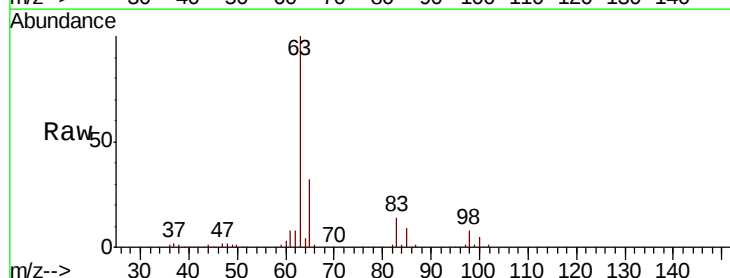
Tgt Ion: 63 Resp: 308299

Ion Ratio Lower Upper

63 100

98 7.6 3.5 10.5

100 5.0 2.3 6.8



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

150000

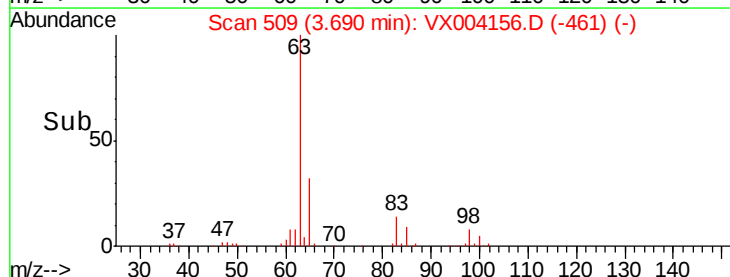
100000

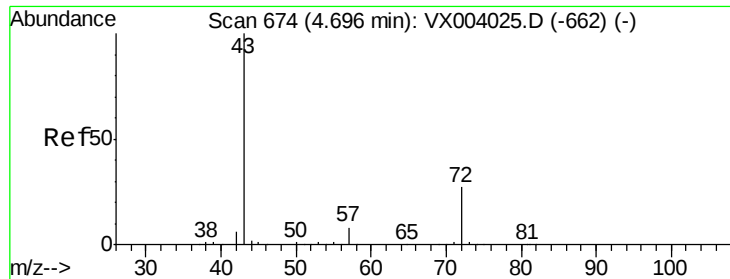
50000

0

3.69

Time-->





#25

2-Butanone

Concen: 221.71 ug/l

RT: 4.70 min Scan# 675

Delta R.T. 0.01 min

Lab File: VX004156.D

Acq: 20 Aug 2018 16:42

Instrument :

MSVOA_X

ClientSampleId :

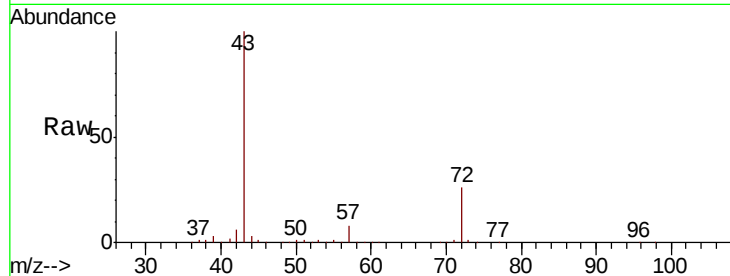
KY070MW233-180815MSD

Tot Ion: 43 Resp: 805252

Ion Ratio Lower Upper

43 100

72 26.3 21.4 32.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.70

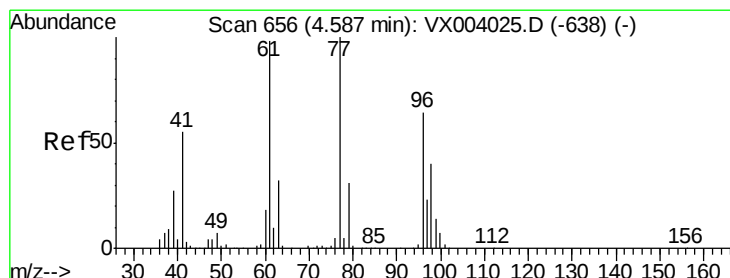
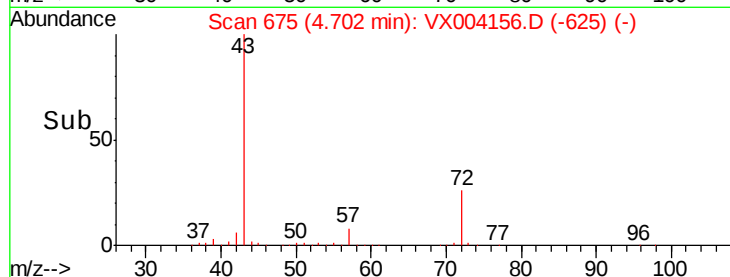
300000

200000

100000

0

Time-->



#26

2,2-Dichloropropane

Concen: 41.85 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.01 min

Lab File: VX004156.D

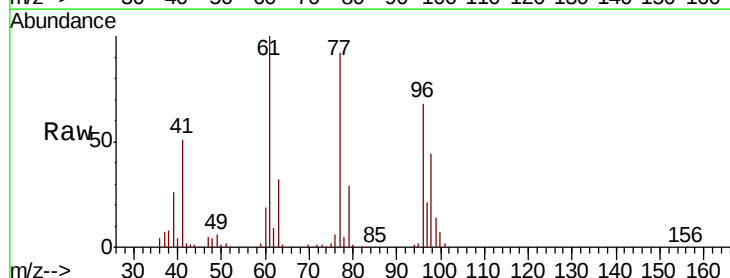
Acq: 20 Aug 2018 16:42

Tgt Ion: 77 Resp: 225266

Ion Ratio Lower Upper

77 100

97 23.9 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.58

80000

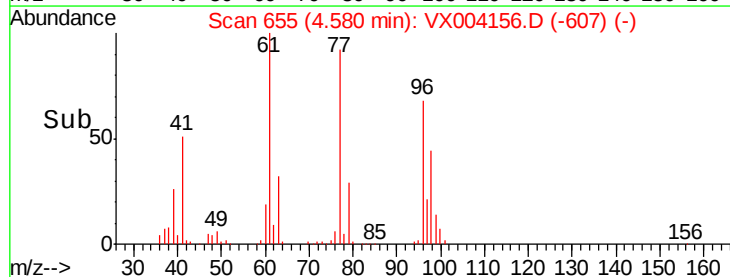
60000

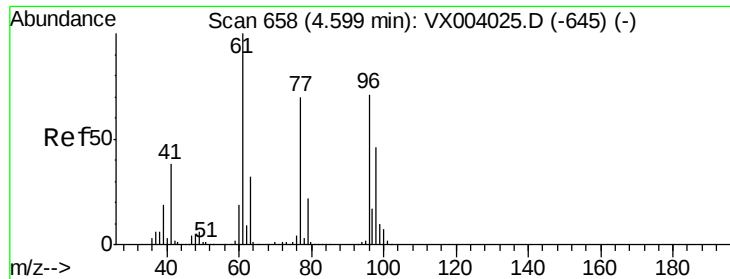
40000

20000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 52.23 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.00 min

Lab File: VX004156.D

Acq: 20 Aug 2018 16:42

Instrument :

MSVOA_X

ClientSampleId :

KY070MW233-180815MSD

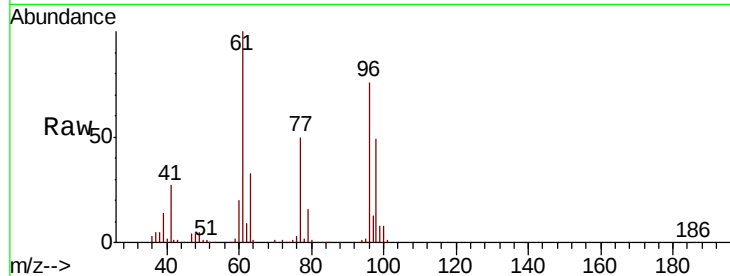
Tot Ion: 96 Resp: 213822

Ion Ratio Lower Upper

96 100

61 139.3 0.0 293.0

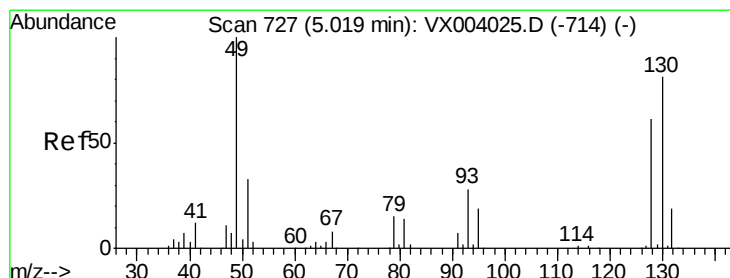
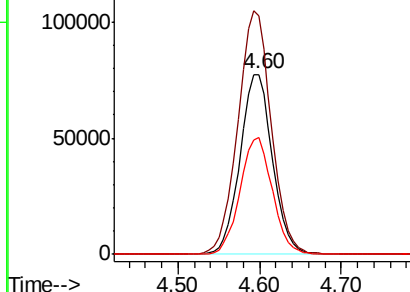
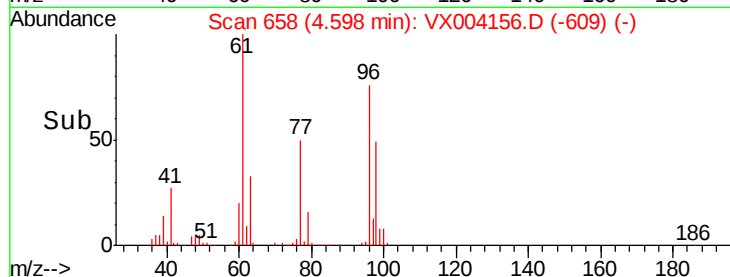
98 64.8 0.0 131.8



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: 49.77 ug/l

RT: 5.02 min Scan# 727

Delta R.T. -0.00 min

Lab File: VX004156.D

Acq: 20 Aug 2018 16:42

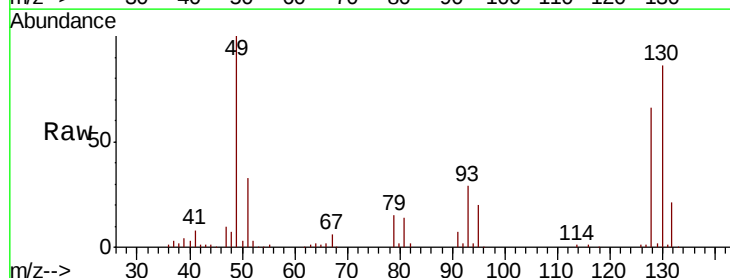
Tgt Ion: 49 Resp: 154593

Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.2

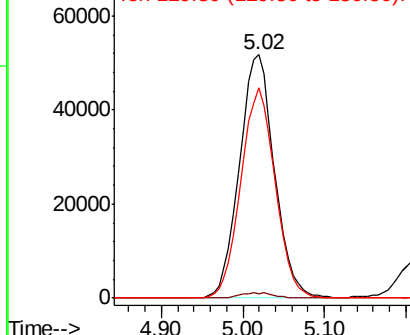
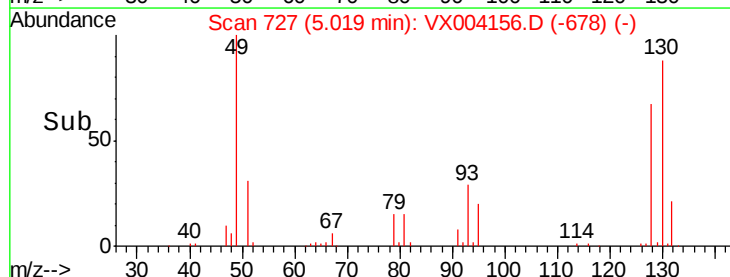
130 84.7 66.5 99.7

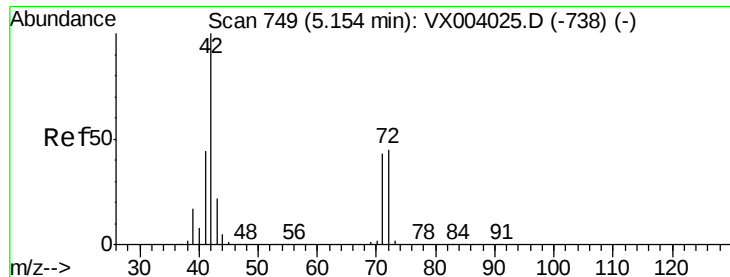


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

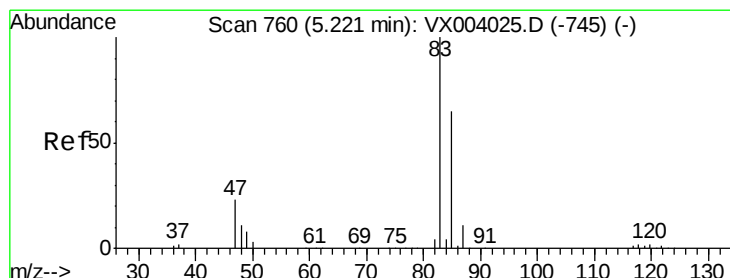
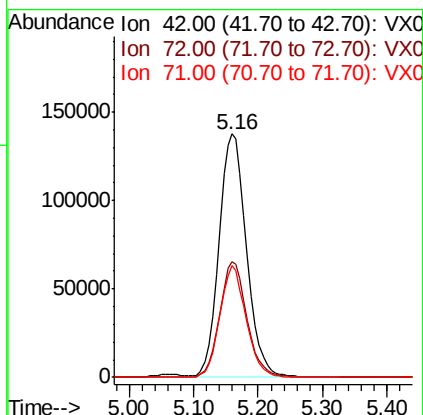
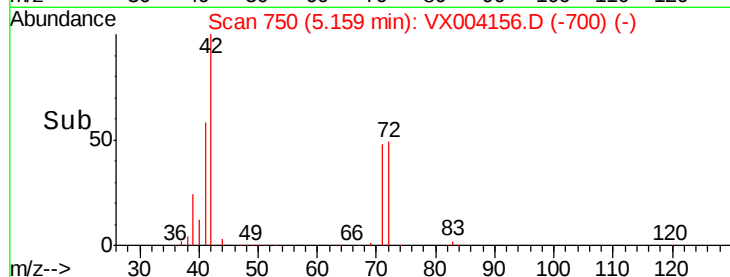
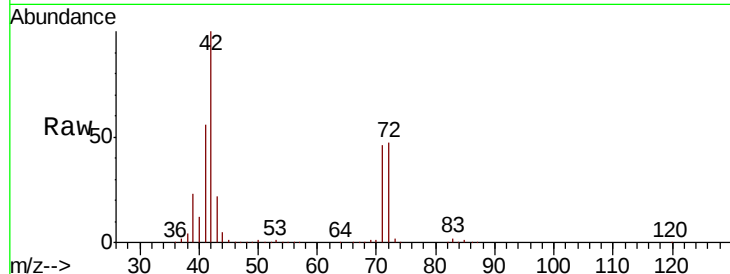




#29
Tetrahydrofuran
Concen: 222.40 ug/l
RT: 5.16 min Scan# 750
Delta R.T. 0.01 min
Lab File: VX004156.D
Acq: 20 Aug 2018 16:42

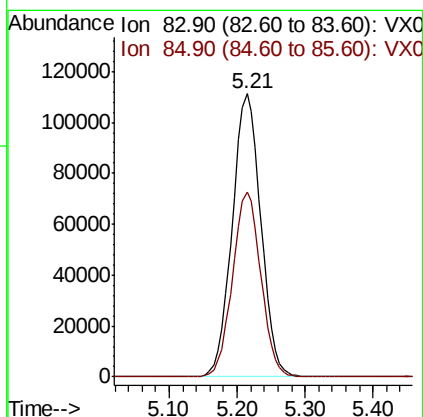
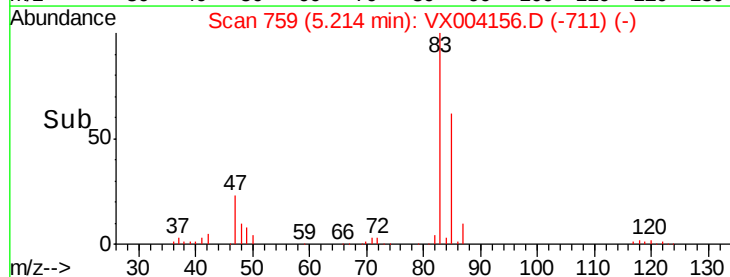
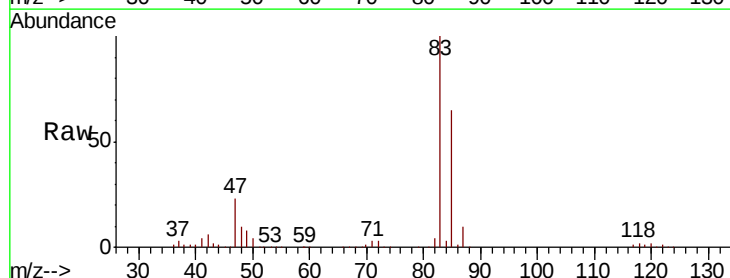
Instrument :
MSVOA_X
ClientSampleId :
KY070MW233-180815MSD

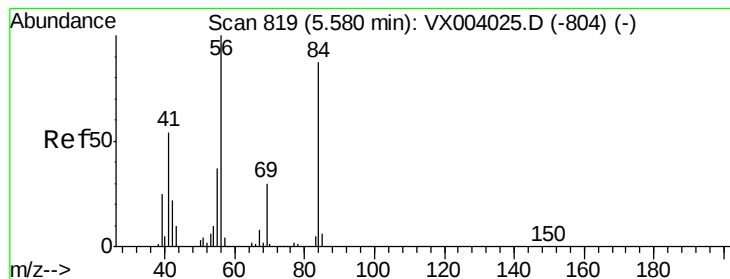
Tot Ion: 42 Resp: 412696
Ion Ratio Lower Upper
42 100
72 47.1 37.7 56.5
71 43.9 35.0 52.6



#30
Chloroform
Concen: 49.08 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX004156.D
Acq: 20 Aug 2018 16:42

Tgt Ion: 83 Resp: 324296
Ion Ratio Lower Upper
83 100
85 65.3 50.7 76.1





#31

Cyclohexane

Concen: 45.80 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX004156.D

Acq: 20 Aug 2018 16:42

Instrument :

MSVOA_X

ClientSampleId :

KY070MW233-180815MSD

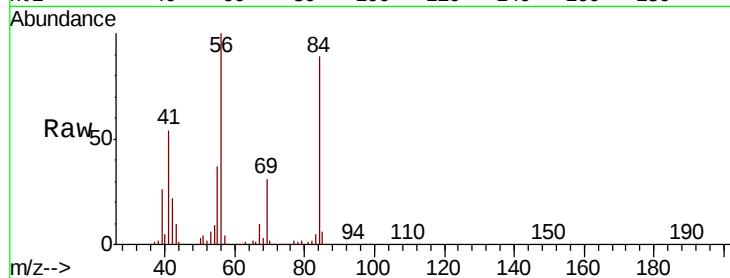
Tot Ion: 56 Resp: 271798

Ion Ratio Lower Upper

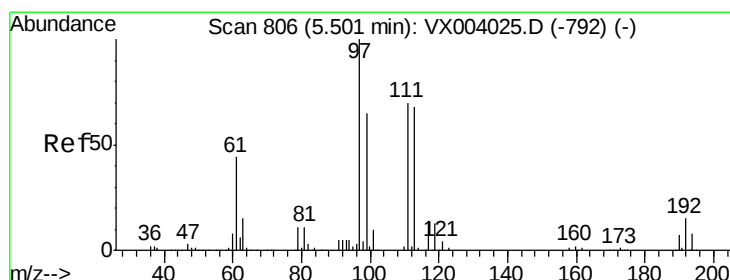
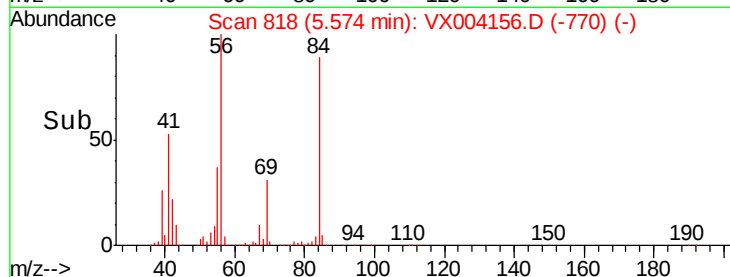
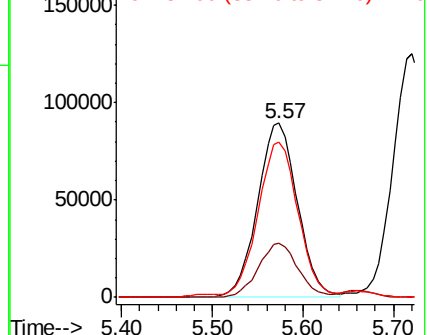
56 100

69 31.0 24.9 37.3

84 88.1 71.7 107.5



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: 49.15 ug/l

RT: 5.49 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX004156.D

Acq: 20 Aug 2018 16:42

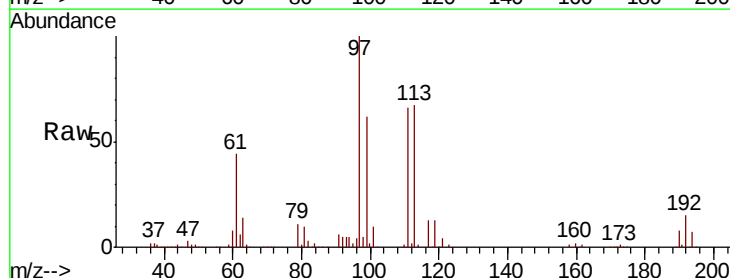
Tgt Ion: 97 Resp: 271364

Ion Ratio Lower Upper

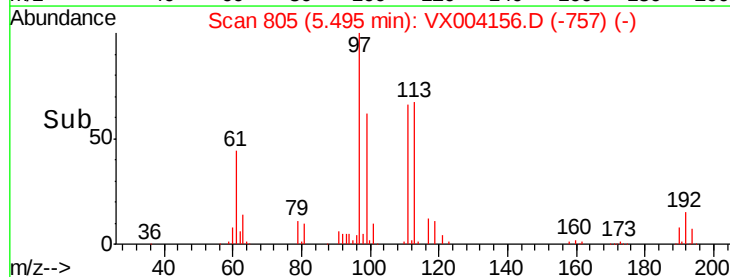
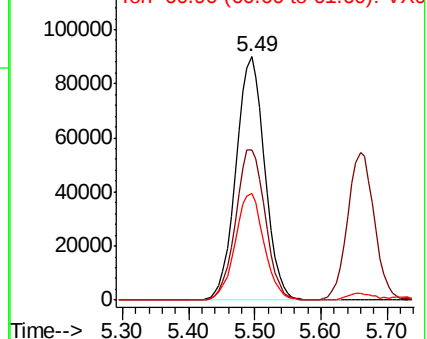
97 100

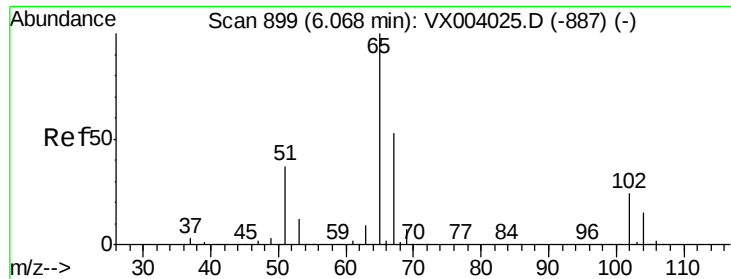
99 63.5 51.8 77.8

61 44.1 34.4 51.6



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

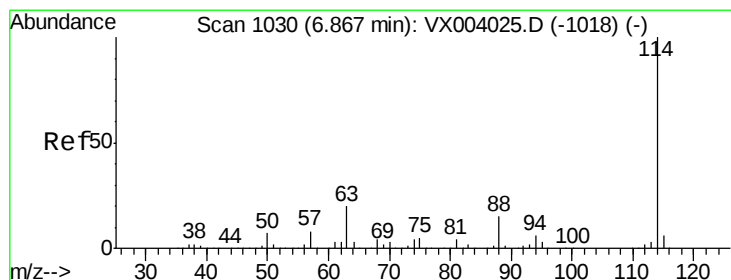
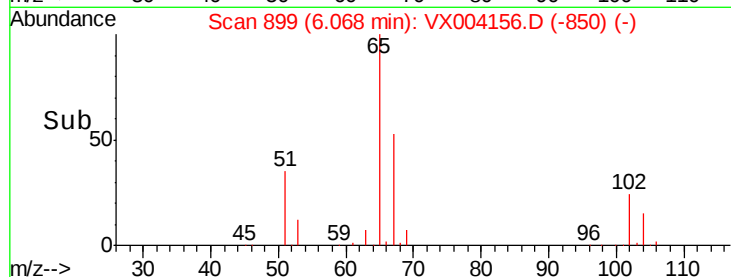
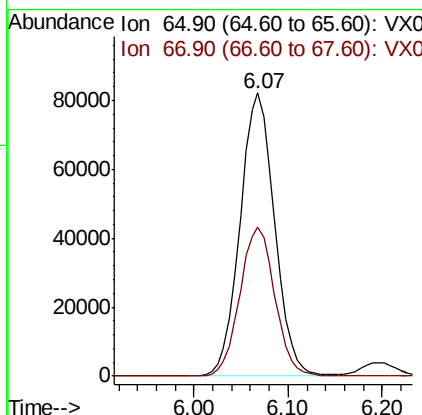
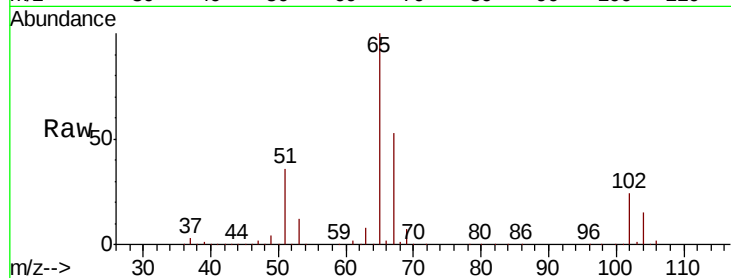




#33
 1,2-Dichloroethane-d4
 Concen: 49.12 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX004156.D
 Acq: 20 Aug 2018 16:42

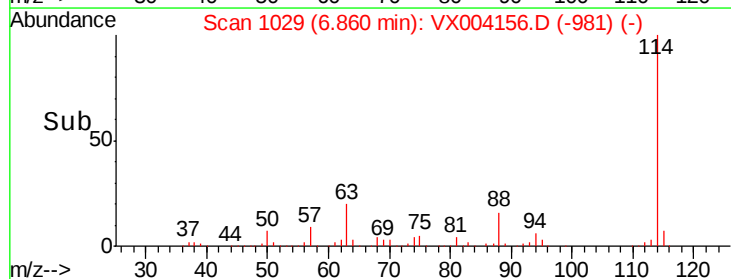
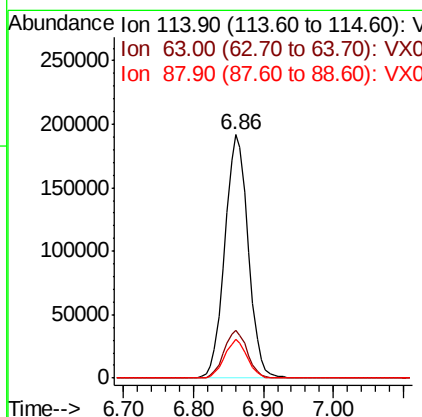
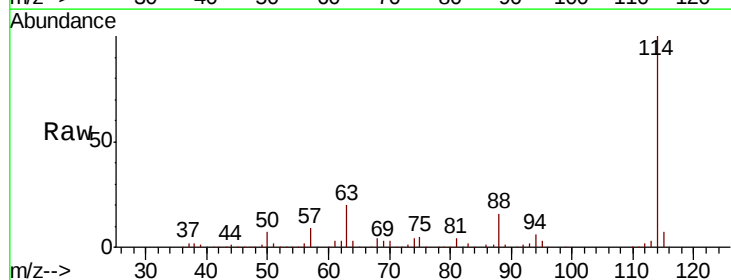
Instrument :
 MSVOA_X
 ClientSampleId :
 KY070MW233-180815MSD

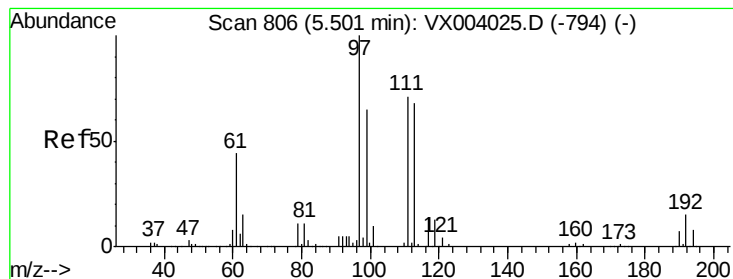
Tot Ion: 65 Resp: 210906
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX004156.D
 Acq: 20 Aug 2018 16:42

Tgt Ion: 114 Resp: 444905
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.0
 88 15.9 0.0 32.0





#35

Dibromofluoromethane

Concen: 53.63 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004156.D

Acq: 20 Aug 2018 16:42

Instrument :

MSVOA_X

ClientSampleId :

KY070MW233-180815MSD

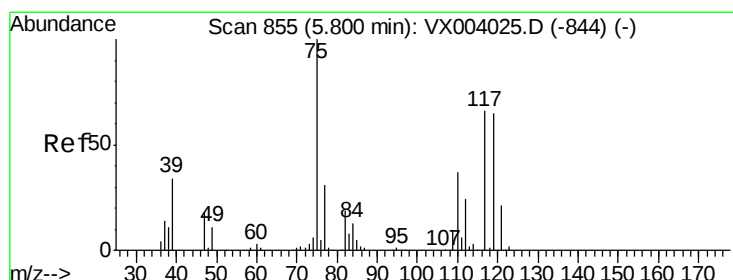
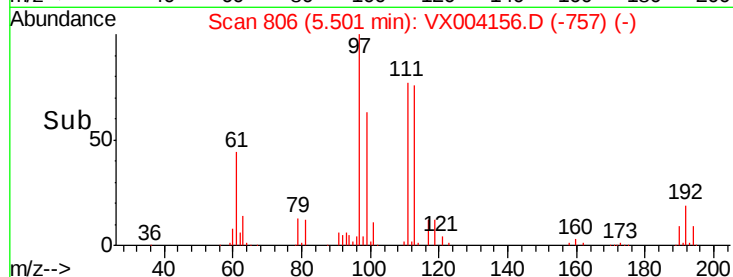
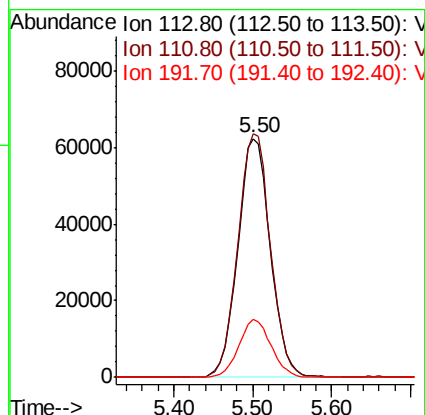
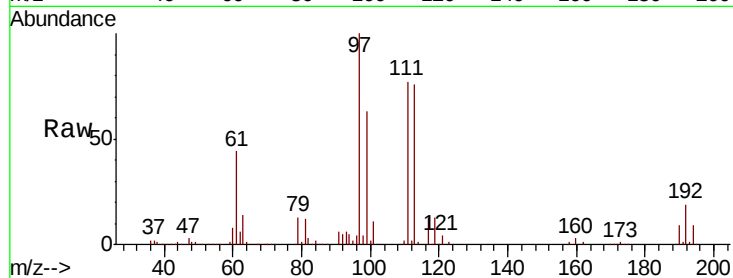
Tot Ion:113 Resp: 178568

Ion Ratio Lower Upper

113 100

111 102.3 82.0 123.0

192 24.1 19.0 28.4



#36

1,1-Dichloropropene

Concen: 47.17 ug/l

RT: 5.80 min Scan# 855

Delta R.T. -0.00 min

Lab File: VX004156.D

Acq: 20 Aug 2018 16:42

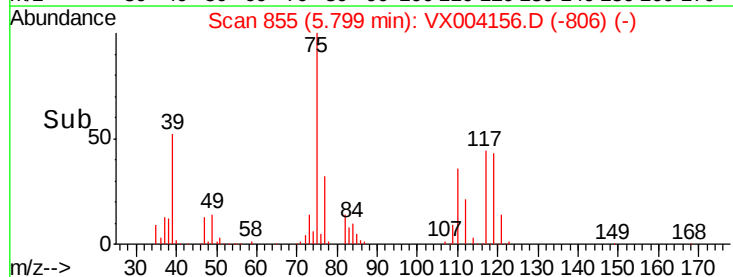
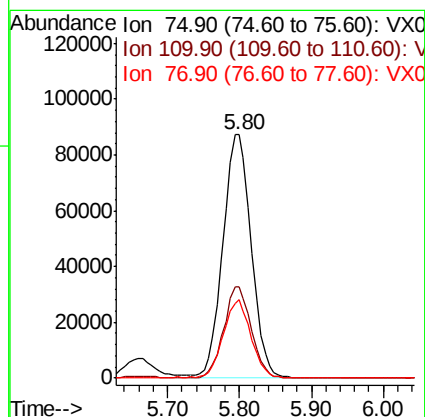
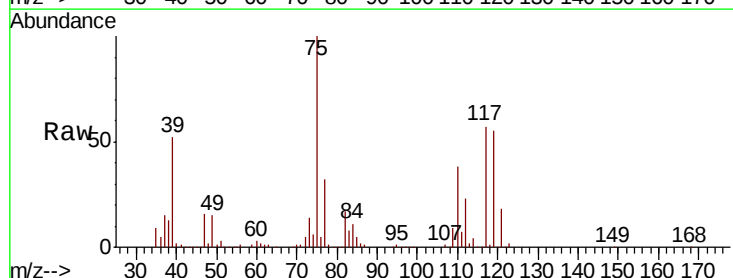
Tgt Ion: 75 Resp: 238785

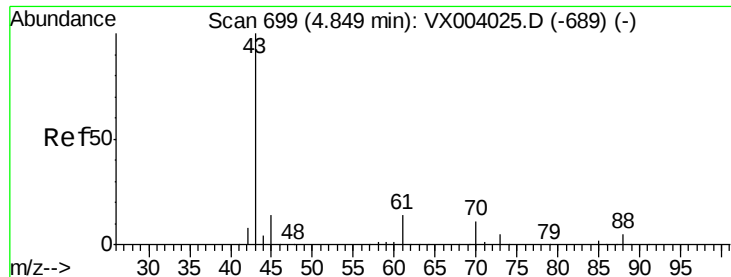
Ion Ratio Lower Upper

75 100

110 36.5 18.2 54.6

77 31.3 25.0 37.4





#37

Ethyl Acetate

Concen: 42.29 ug/l

RT: 4.86 min Scan# 701

Delta R.T. 0.01 min

Lab File: VX004156.D

Acq: 20 Aug 2018 16:42

Instrument :

MSVOA_X

ClientSampleId :

KY070MW233-180815MSD

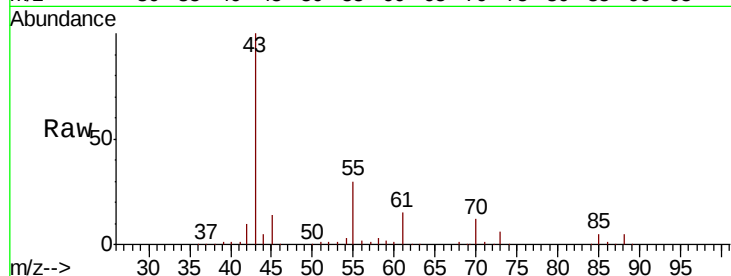
Tot Ion: 43 Resp: 233175

Ion Ratio Lower Upper

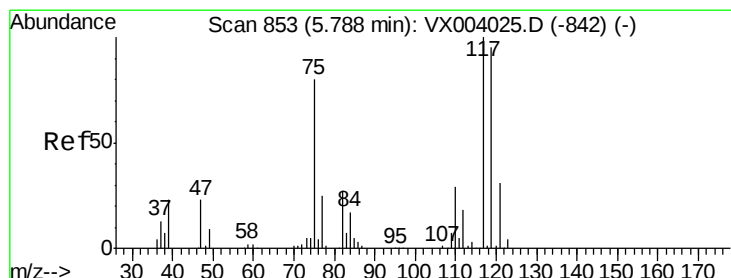
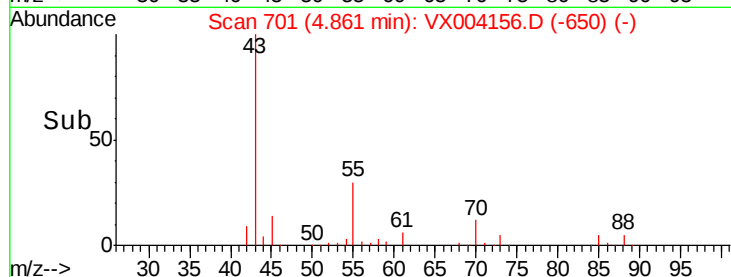
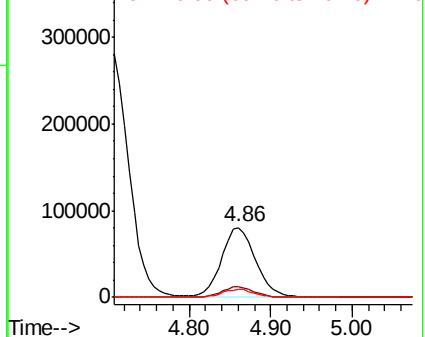
43 100

61 14.6 11.5 17.3

70 11.3 9.0 13.4



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: 48.70 ug/l

RT: 5.78 min Scan# 852

Delta R.T. -0.01 min

Lab File: VX004156.D

Acq: 20 Aug 2018 16:42

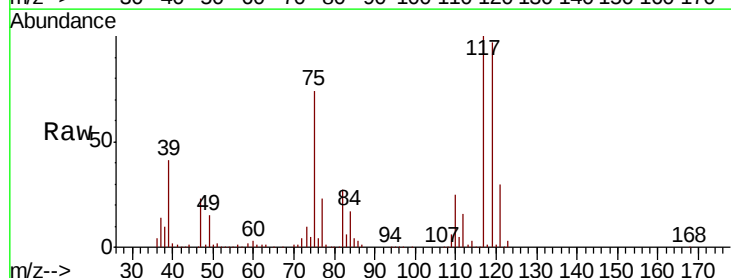
Tgt Ion: 117 Resp: 239548

Ion Ratio Lower Upper

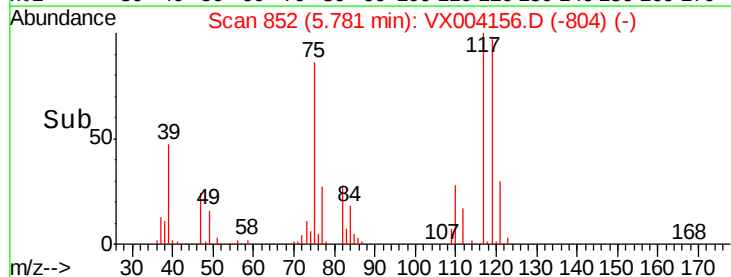
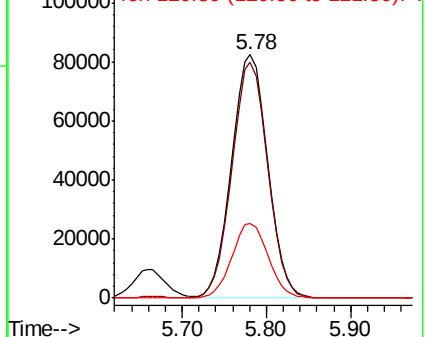
117 100

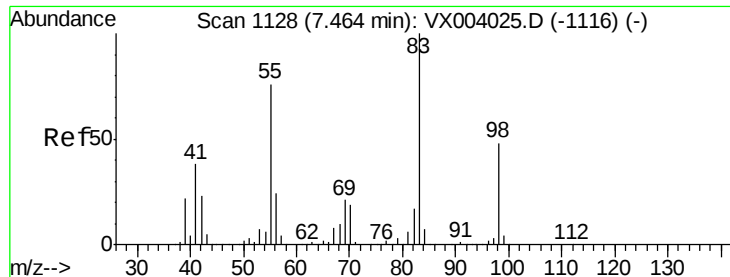
119 97.2 79.5 119.3

121 30.4 25.0 37.4



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

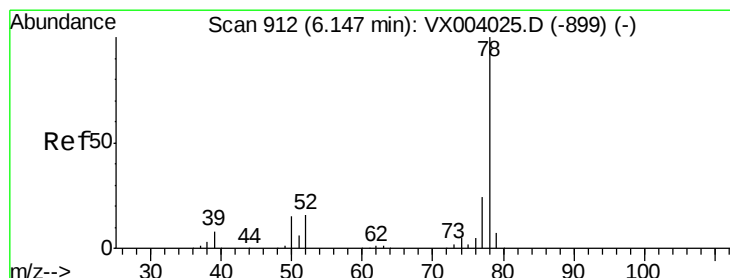
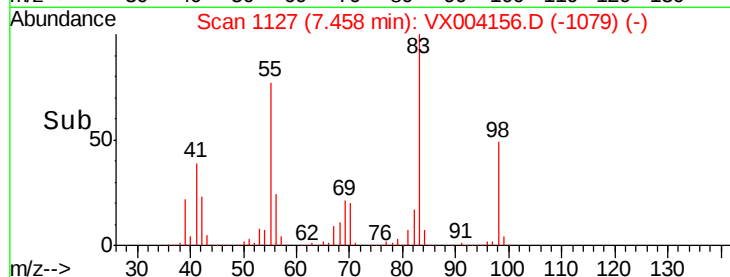
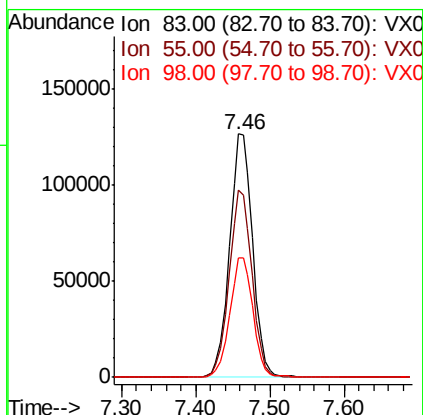
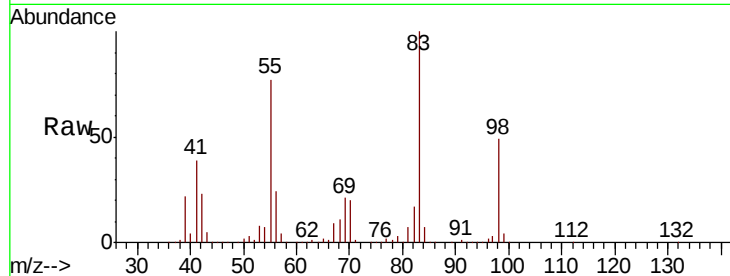




#39
Methvlcvclohexane
Concen: 47.69 ug/l
RT: 7.46 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VX004156.D
Acq: 20 Aug 2018 16:42

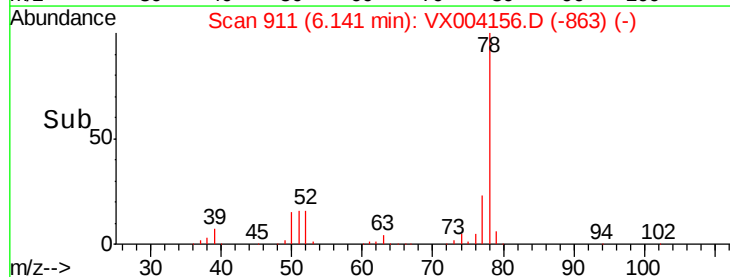
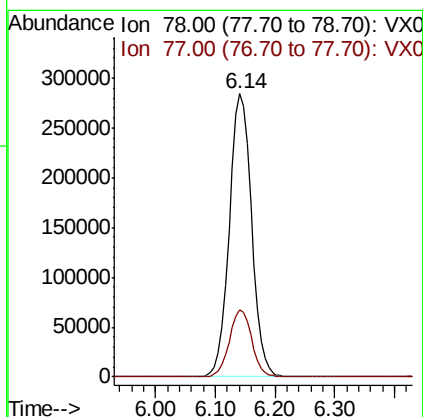
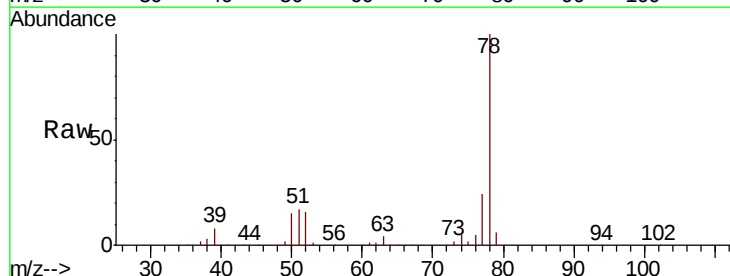
Instrument :
MSVOA_X
ClientSampleId :
KY070MW233-180815MSD

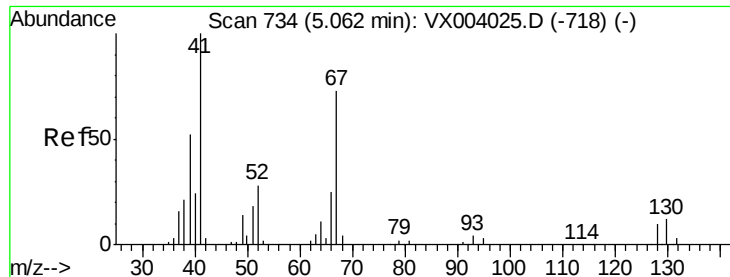
Tot Ion: 83 Resp: 273882
Ion Ratio Lower Upper
83 100
55 76.8 61.0 91.6
98 49.3 38.6 57.8



#40
Benzene
Concen: 48.66 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.01 min
Lab File: VX004156.D
Acq: 20 Aug 2018 16:42

Tgt Ion: 78 Resp: 739668
Ion Ratio Lower Upper
78 100
77 23.7 19.0 28.4

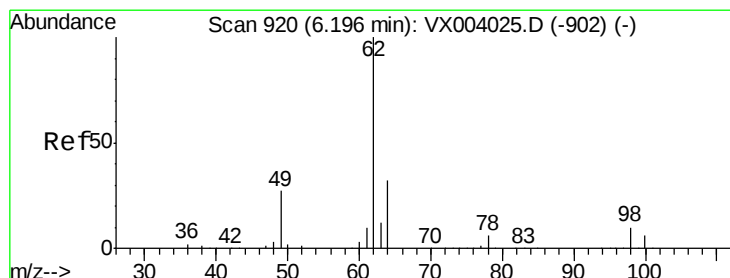
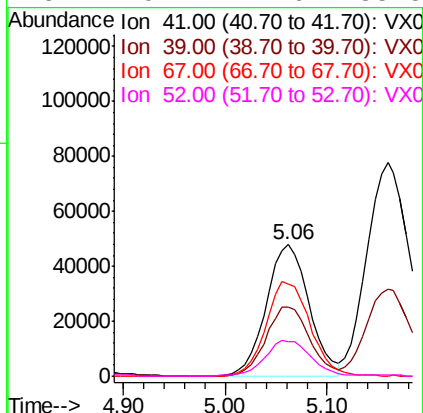
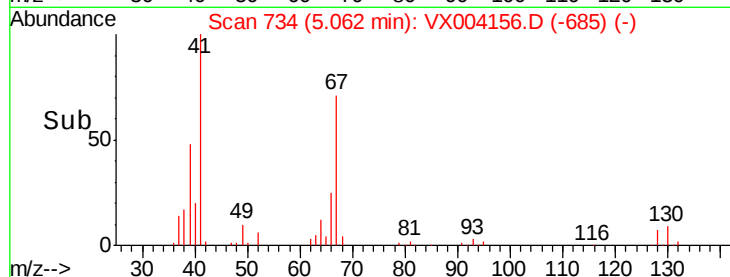
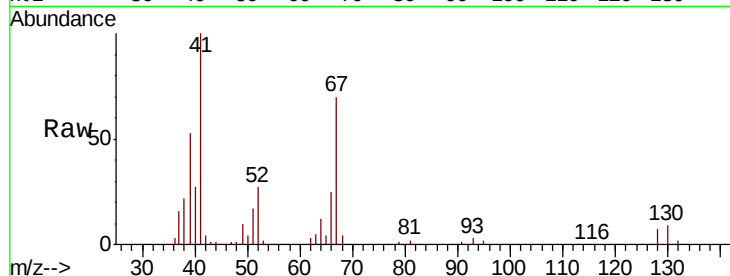




#41
Methacrylonitrile
Concen: 45.14 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.00 min
Lab File: VX004156.D
Acq: 20 Aug 2018 16:42

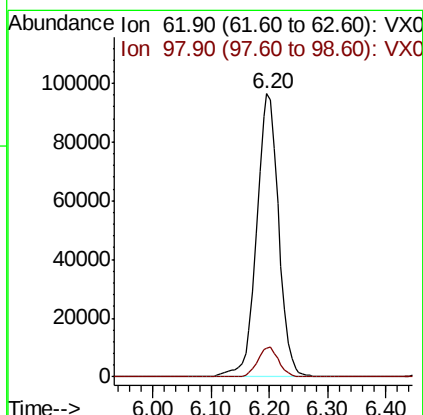
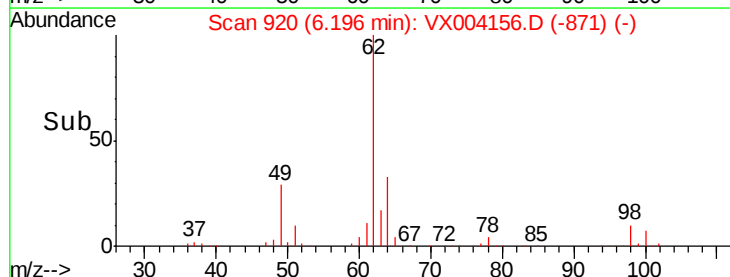
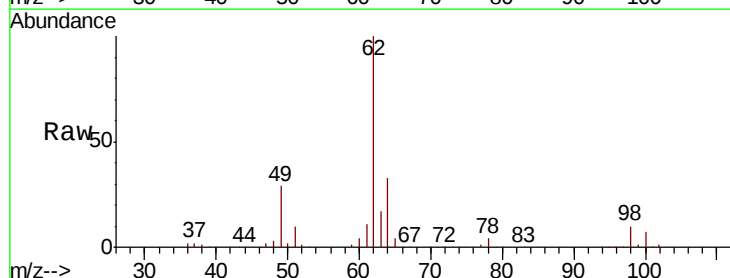
Instrument :
MSVOA_X
ClientSampleId :
KY070MW233-180815MSD

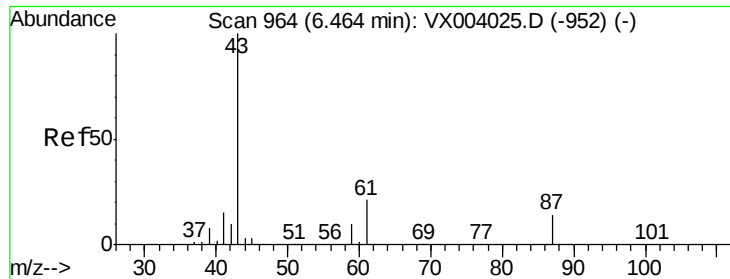
Tot Ion:	41	Resp:	139378
Ion	Ratio	Lower	Upper
41	100		
39	53.8	42.7	64.1
67	75.0	58.9	88.3
52	29.1	22.6	33.8



#42
1,2-Dichloroethane
Concen: 47.42 ug/l
RT: 6.20 min Scan# 920
Delta R.T. -0.00 min
Lab File: VX004156.D
Acq: 20 Aug 2018 16:42

Tgt Ion:	62	Resp:	252337
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	20.4



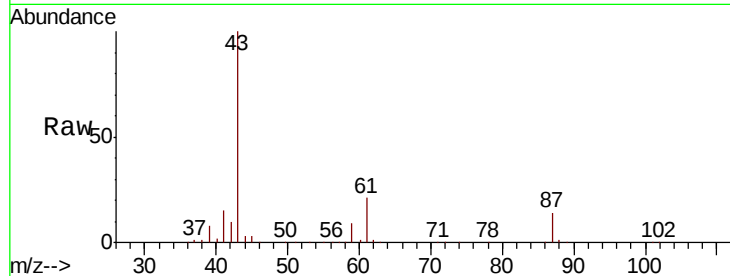


#43

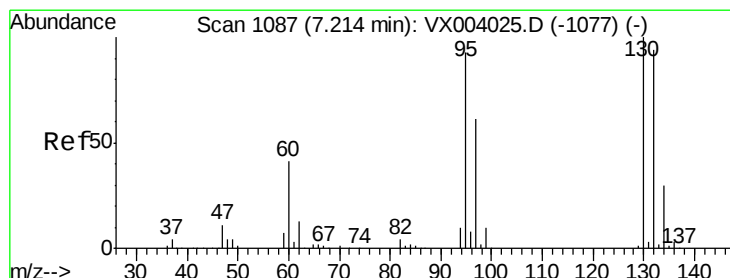
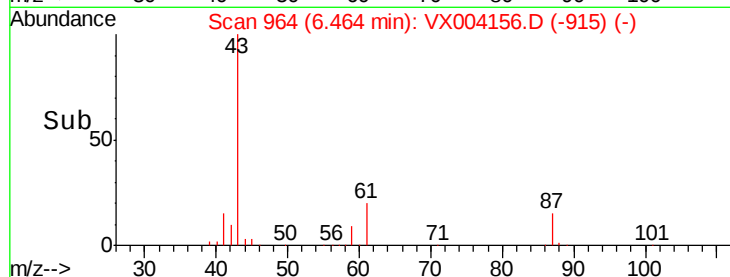
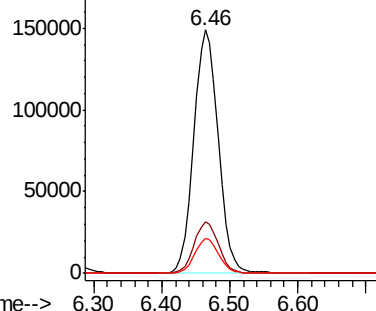
Isopropyl Acetate
 Concen: 45.66 ug/l
 RT: 6.46 min Scan# 964
 Delta R.T. -0.00 min
 Lab File: VX004156.D
 Acq: 20 Aug 2018 16:42

Instrument :
 MSVOA_X
 ClientSampleId :
 KY070MW233-180815MSD

Tot Ion	43	Resp	371024
Ion Ratio	Lower	Upper	
43	100		
61	21.3	16.9	25.3
87	14.2	11.3	16.9



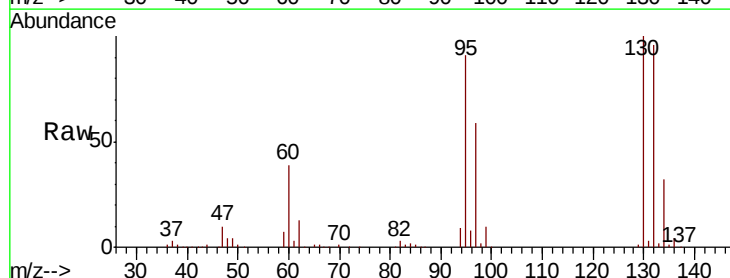
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



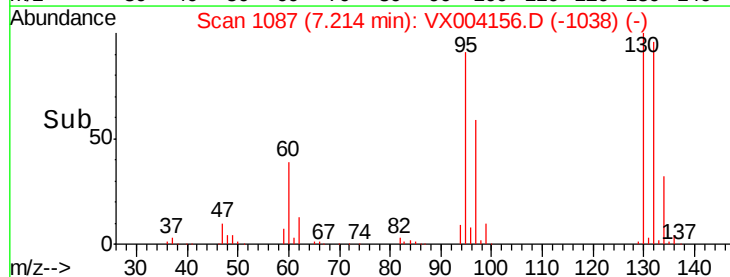
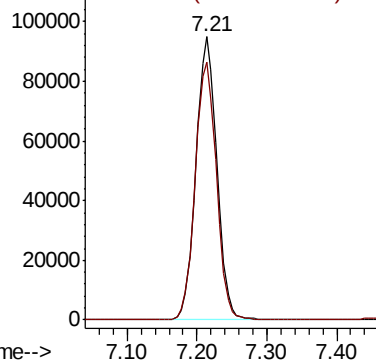
#44

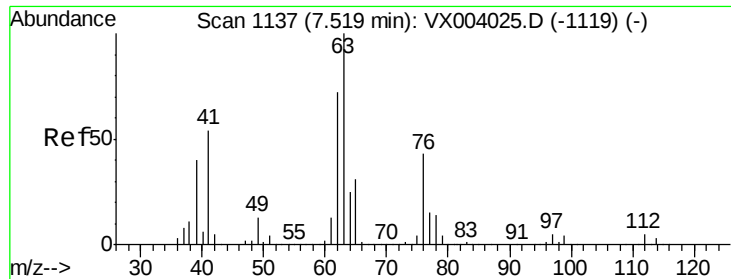
Trichloroethene
 Concen: 47.80 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.00 min
 Lab File: VX004156.D
 Acq: 20 Aug 2018 16:42

Tgt Ion	130	Resp	197291
Ion Ratio	Lower	Upper	
130	100		
95	91.0	0.0	199.4



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

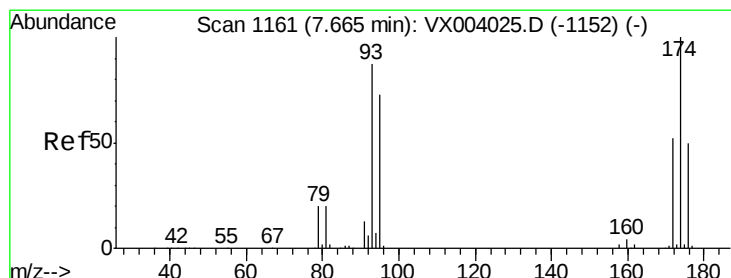
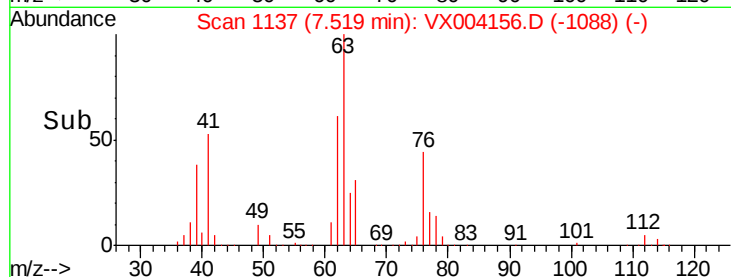
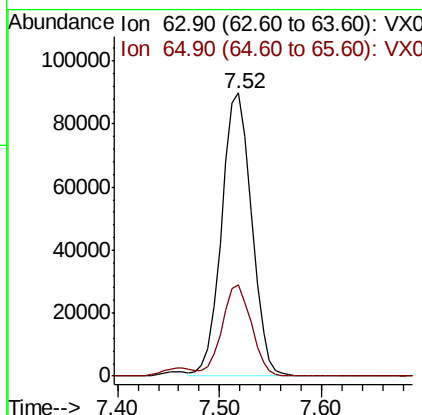
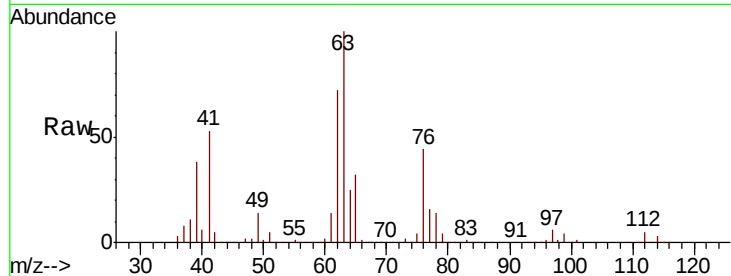




#45
 1,2-Dichloropropane
 Concen: 47.09 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VX004156.D
 Acq: 20 Aug 2018 16:42

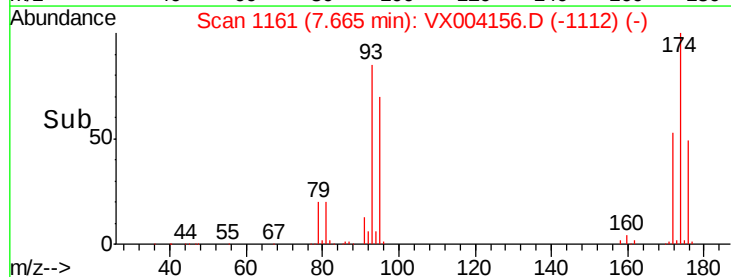
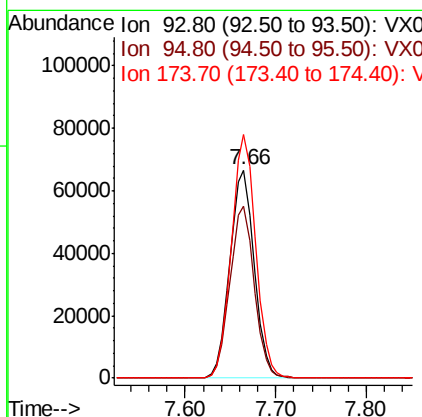
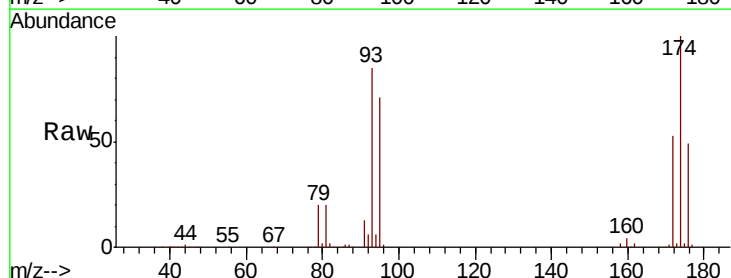
Instrument :
 MSVOA_X
 ClientSampleId :
 KY070MW233-180815MSD

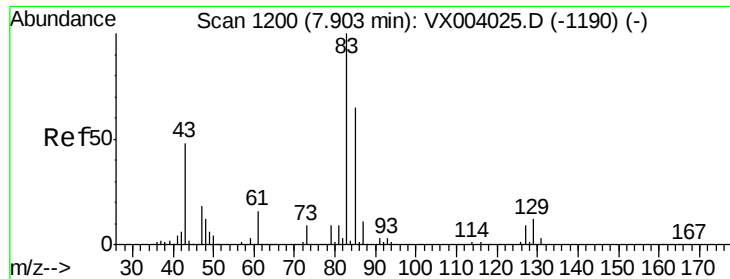
Tot Ion: 63 Resp: 183250
 Ion Ratio Lower Upper
 63 100
 65 32.1 24.6 36.8



#46
 Dibromomethane
 Concen: 49.04 ug/l
 RT: 7.66 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX004156.D
 Acq: 20 Aug 2018 16:42

Tgt Ion: 93 Resp: 124715
 Ion Ratio Lower Upper
 93 100
 95 82.7 66.4 99.6
 174 116.4 94.3 141.5





#47

Bromodichloromethane

Concen: 50.01 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX004156.D

Acq: 20 Aug 2018 16:42

Instrument :

MSVOA_X

ClientSampleId :

KY070MW233-180815MSD

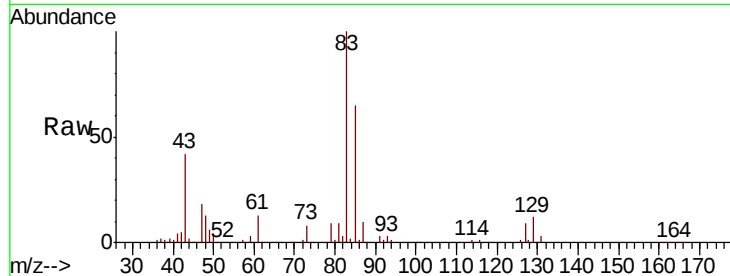
Tot Ion: 83 Resp: 240862

Ion Ratio Lower Upper

83 100

85 64.9 51.2 76.8

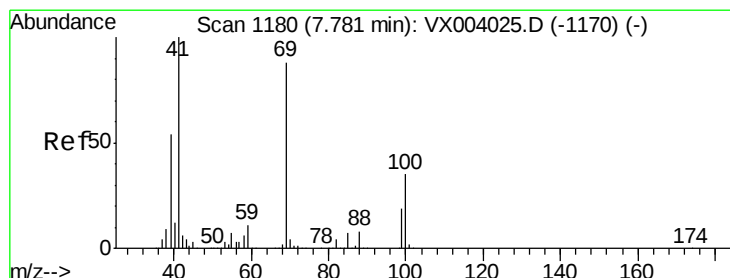
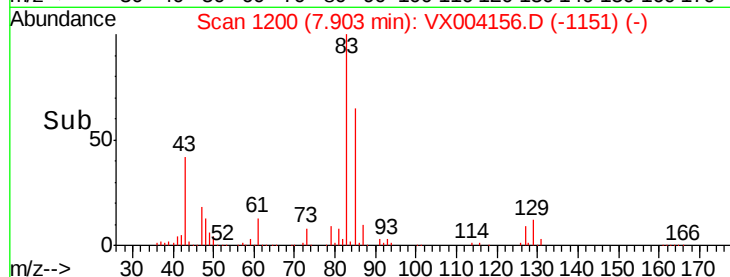
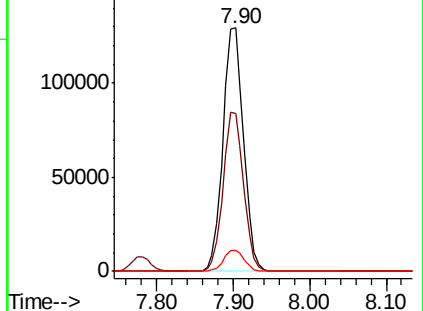
127 8.6 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 49.79 ug/l

RT: 7.78 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VX004156.D

Acq: 20 Aug 2018 16:42

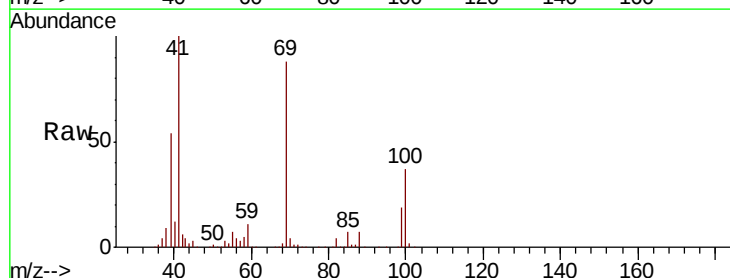
Tgt Ion: 41 Resp: 203659

Ion Ratio Lower Upper

41 100

69 88.3 68.8 103.2

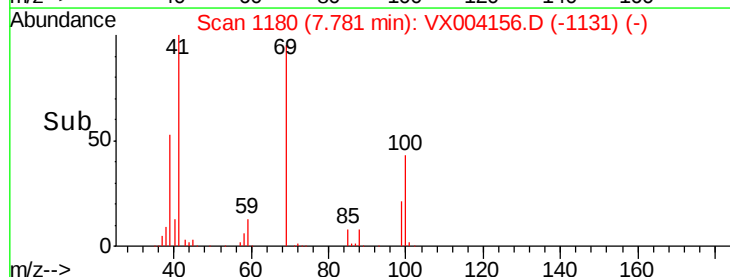
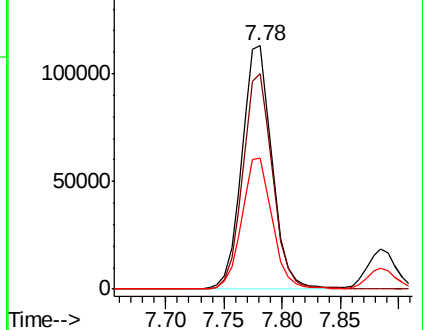
39 54.1 42.3 63.5

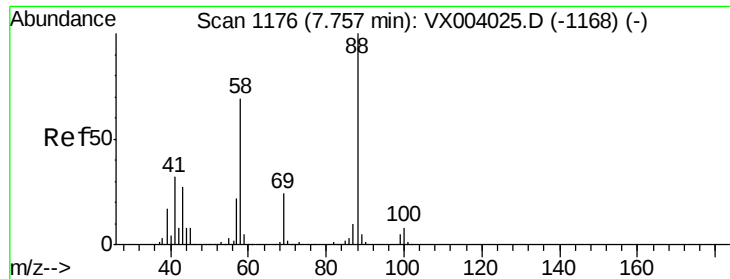


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

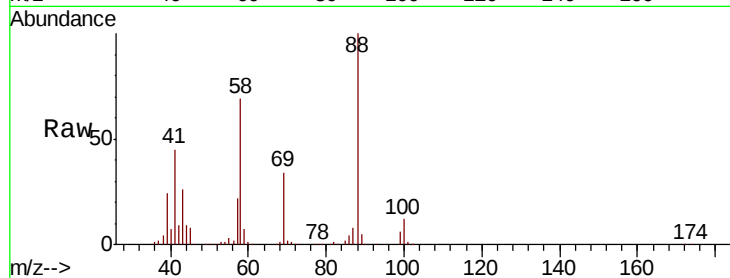




#49
 1,4-Dioxane
 Concen: 888.13 ug/l
 RT: 7.76 min Scan# 1176
 Delta R.T. -0.00 min
 Lab File: VX004156.D
 Acq: 20 Aug 2018 16:42

Instrument :
 MSVOA_X
 ClientSampleId :
 KY070MW233-180815MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.2	23.8	35.8
58	70.5	55.4	83.0

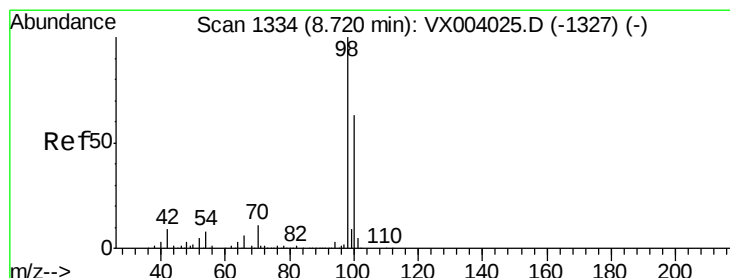
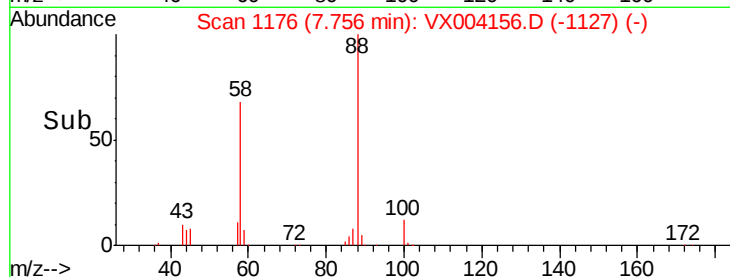
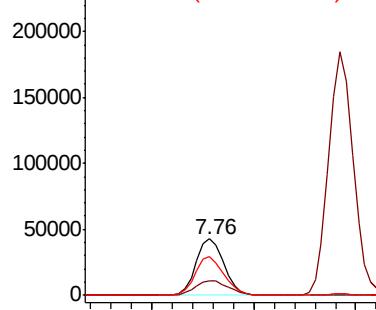


Abundance

Ion 88.00 (87.70 to 88.70): VX0

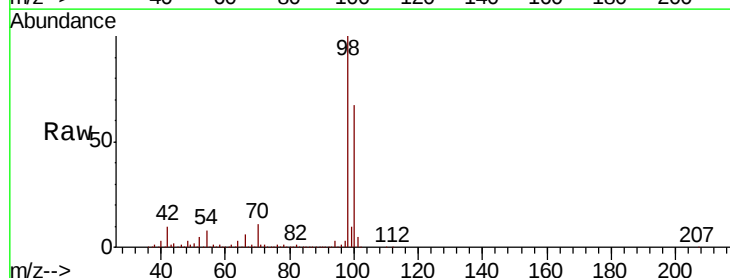
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
 Toluene-d8
 Concen: 50.55 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. -0.00 min
 Lab File: VX004156.D
 Acq: 20 Aug 2018 16:42

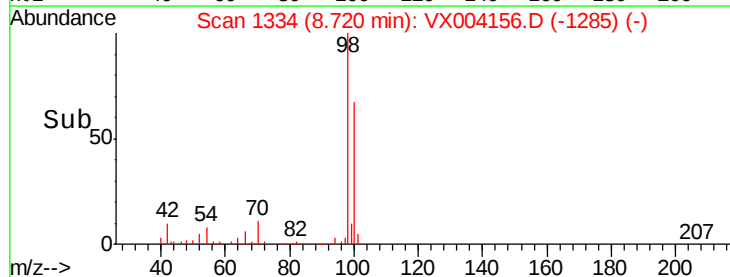
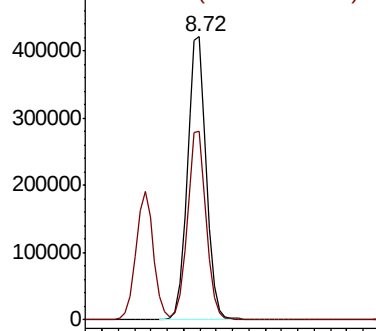
Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.8	53.3	79.9

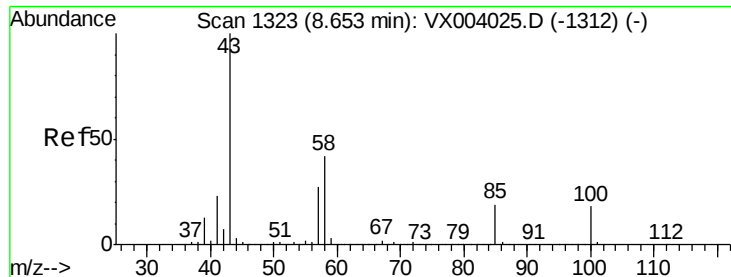


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 248.77 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX004156.D

Acq: 20 Aug 2018 16:42

Instrument :

MSVOA_X

ClientSampleId :

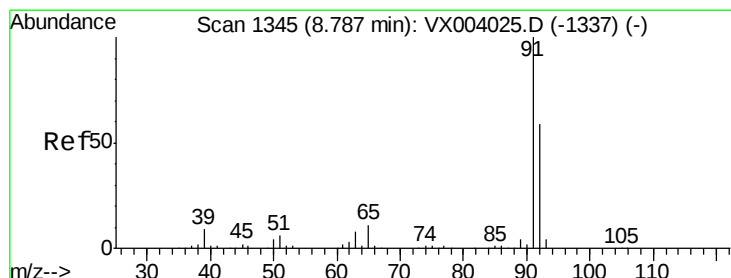
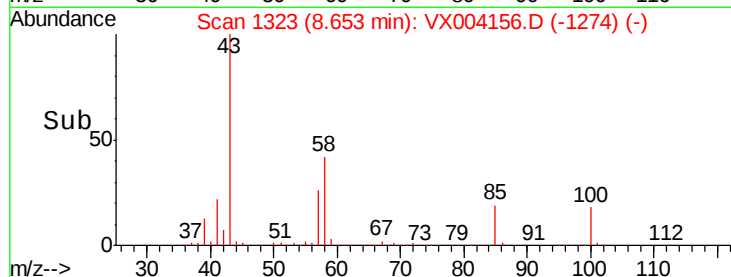
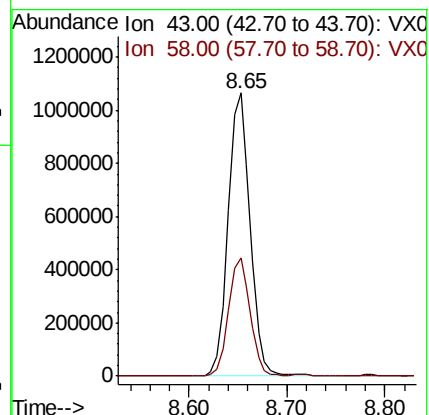
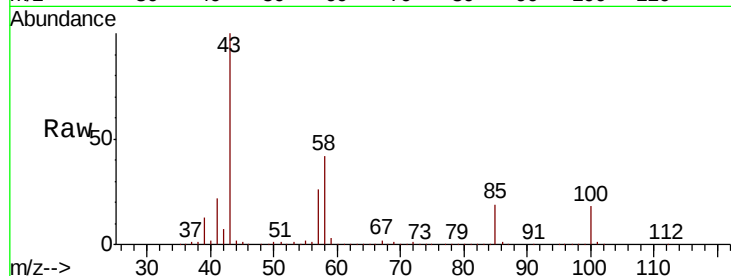
KY070MW233-180815MSD

Tot Ion: 43 Resp: 1657588

Ion Ratio Lower Upper

43 100

58 41.2 33.0 49.6



#52

Toluene

Concen: 49.47 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX004156.D

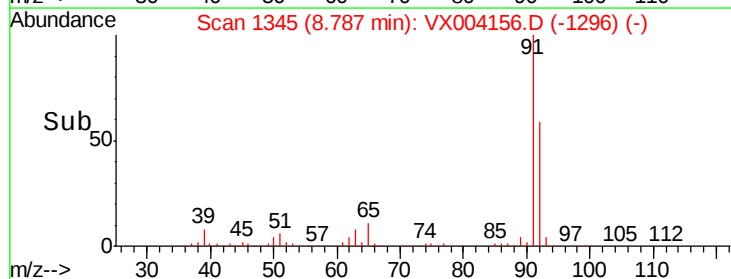
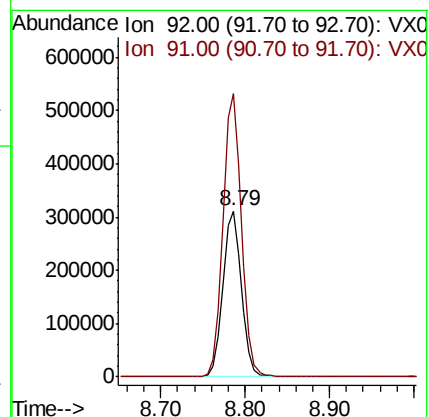
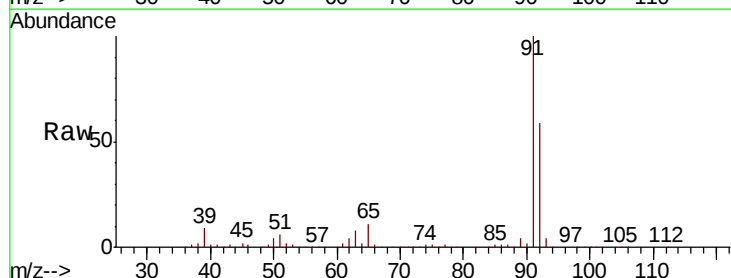
Acq: 20 Aug 2018 16:42

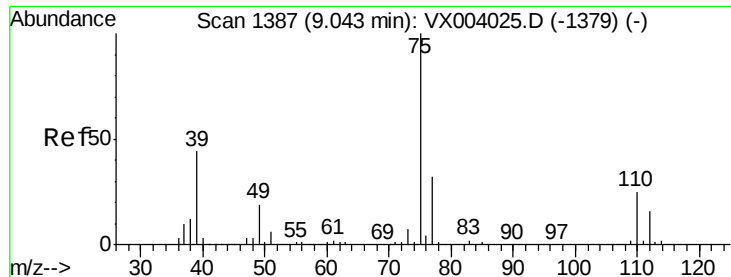
Tgt Ion: 92 Resp: 475650

Ion Ratio Lower Upper

92 100

91 170.0 136.1 204.1

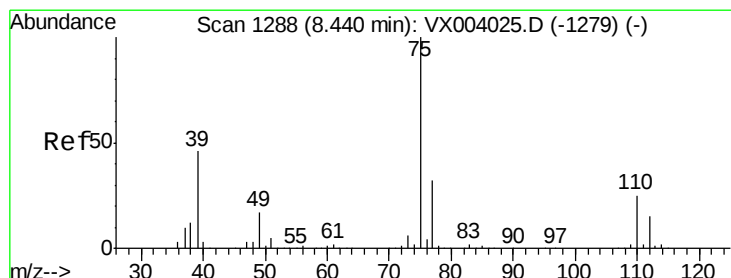
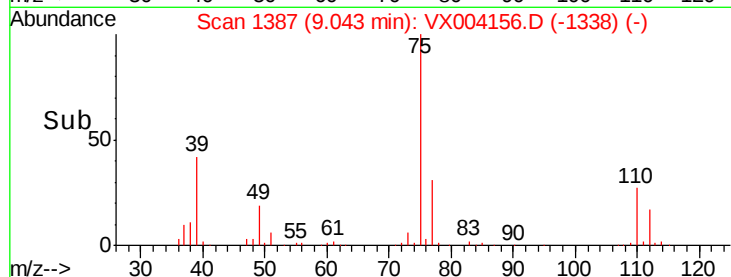
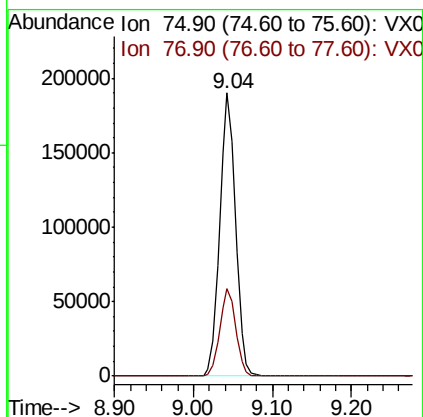
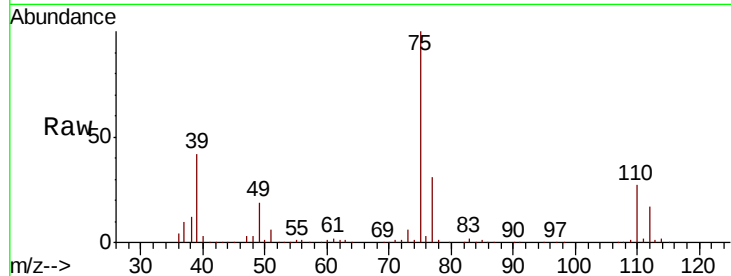




#53
 t-1,3-Dichloropropene
 Concen: 51.13 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. -0.00 min
 Lab File: VX004156.D
 Acq: 20 Aug 2018 16:42

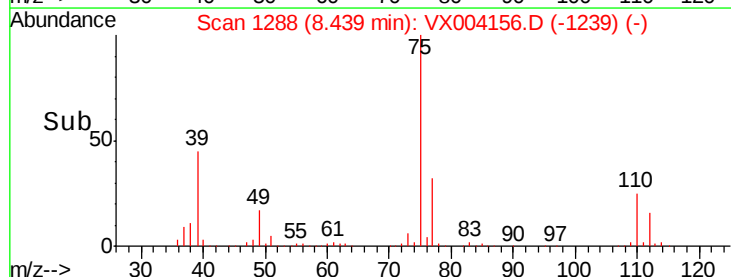
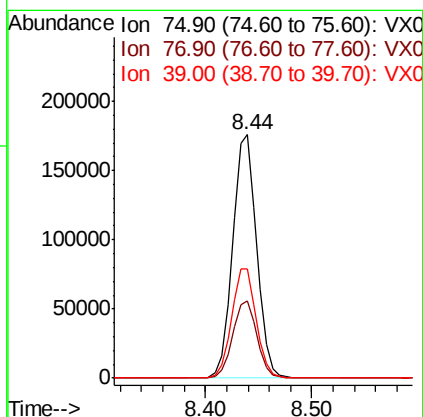
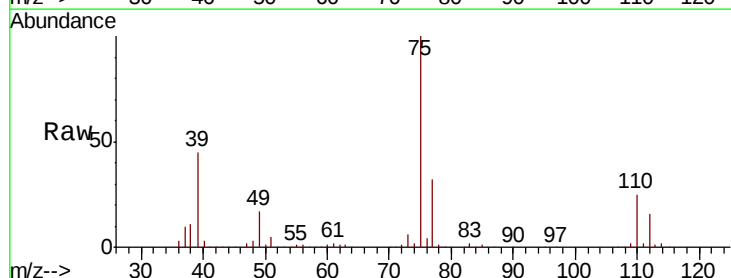
Instrument :
 MSVOA_X
 ClientSampleId :
 KY070MW233-180815MSD

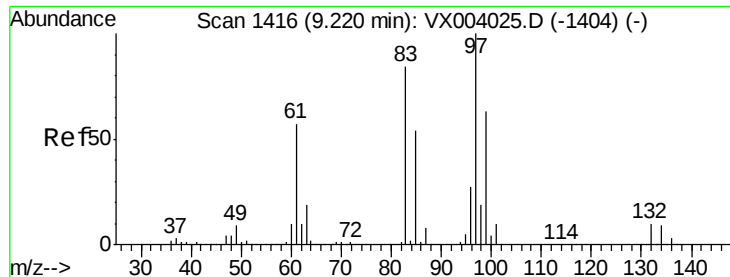
Tot Ion: 75 Resp: 266035
 Ion Ratio Lower Upper
 75 100
 77 30.8 25.1 37.7



#54
 cis-1,3-Dichloropropene
 Concen: 48.26 ug/l
 RT: 8.44 min Scan# 1288
 Delta R.T. -0.00 min
 Lab File: VX004156.D
 Acq: 20 Aug 2018 16:42

Tgt Ion: 75 Resp: 278079
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.3 37.9
 39 45.0 36.2 54.2

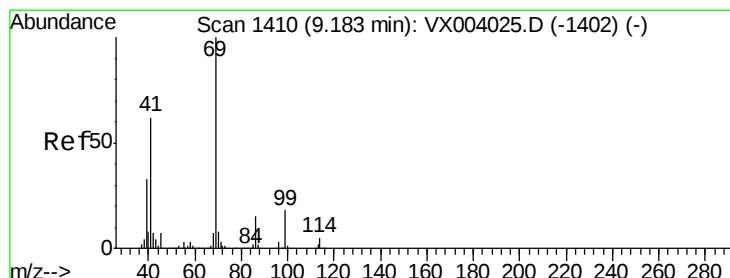
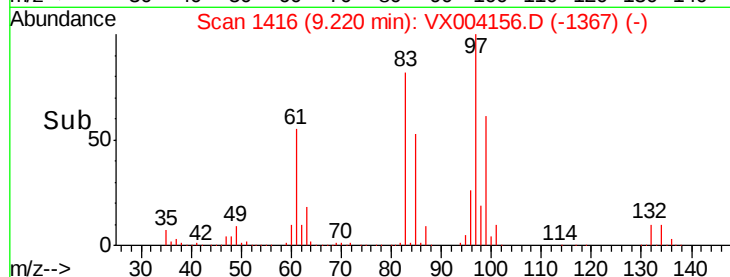
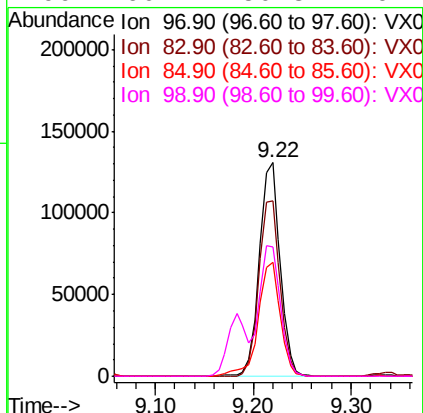
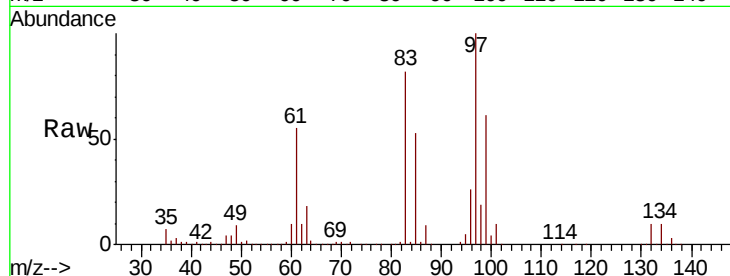




#55
 1,1,2-Trichloroethane
 Concen: 48.54 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX004156.D
 Acq: 20 Aug 2018 16:42

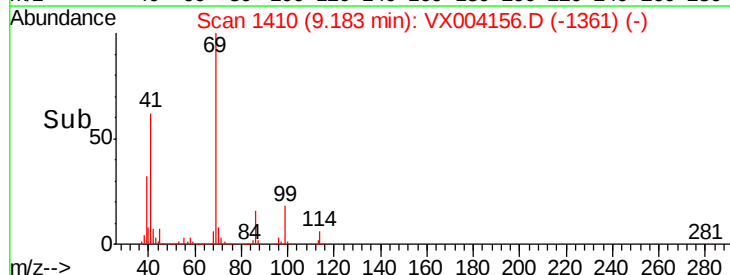
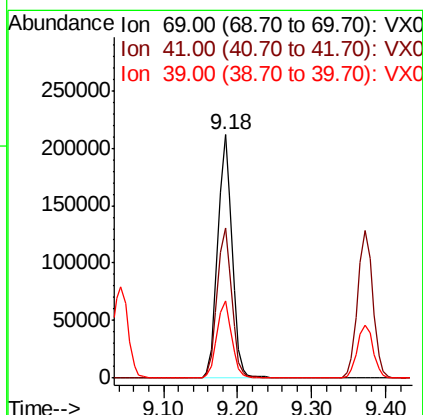
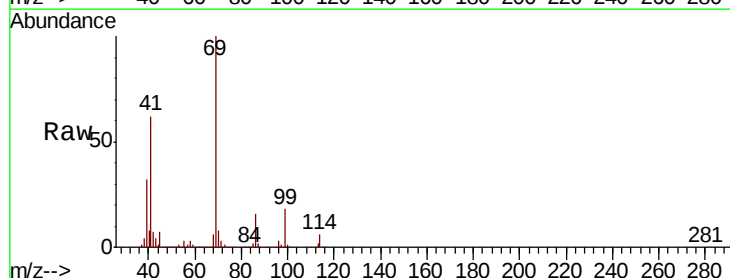
Instrument :
 MSVOA_X
 ClientSampleId :
 KY070MW233-180815MSD

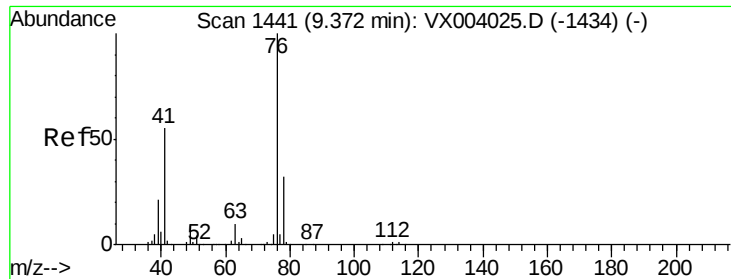
Tot Ion:	97	Resp:	192732
Ion	Ratio	Lower	Upper
97	100		
83	81.8	67.8	101.6
85	53.3	44.2	66.2
99	60.7	50.8	76.2



#56
 Ethyl methacrylate
 Concen: 51.92 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX004156.D
 Acq: 20 Aug 2018 16:42

Tgt Ion:	69	Resp:	280309
Ion	Ratio	Lower	Upper
69	100		
41	63.2	50.6	76.0
39	32.5	25.8	38.6





#57

1,3-Dichloropropane

Concen: 49.42 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. -0.00 min

Lab File: VX004156.D

Acq: 20 Aug 2018 16:42

Instrument :

MSVOA_X

ClientSampleId :

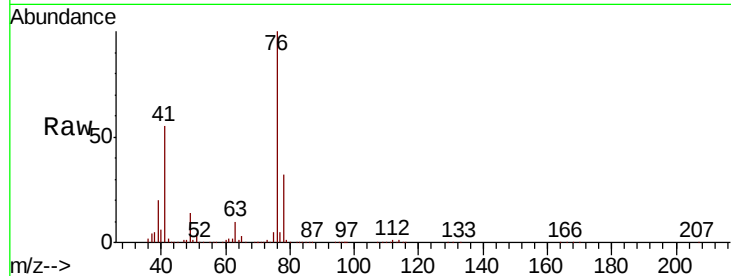
KY070MW233-180815MSD

Tot Ion: 76 Resp: 325529

Ion Ratio Lower Upper

76 100

78 32.3 25.9 38.9



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

250000

200000

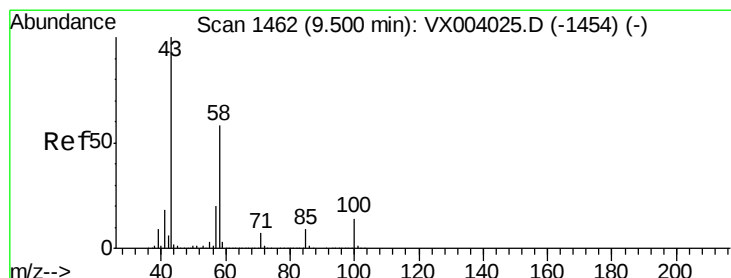
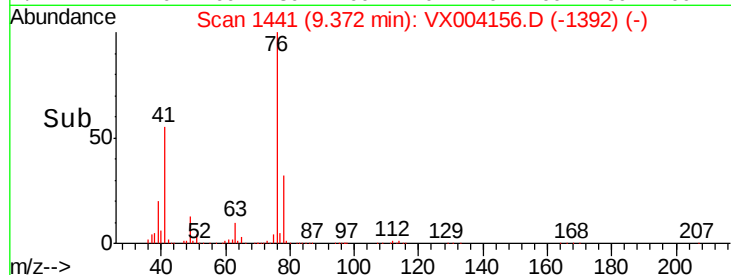
150000

100000

50000

0

Time-->



#59

2-Hexanone

Concen: 249.61 ug/l

RT: 9.50 min Scan# 1462

Delta R.T. -0.00 min

Lab File: VX004156.D

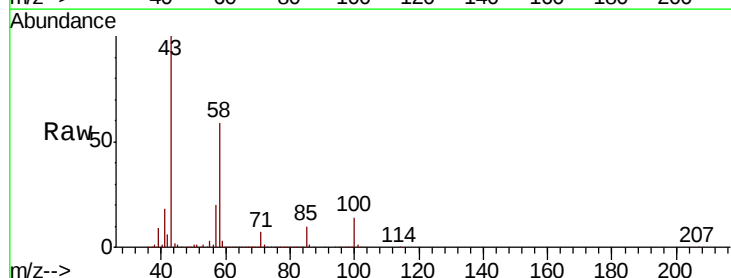
Acq: 20 Aug 2018 16:42

Tgt Ion: 43 Resp: 1251737

Ion Ratio Lower Upper

43 100

58 58.3 29.0 87.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

9.50

1000000

800000

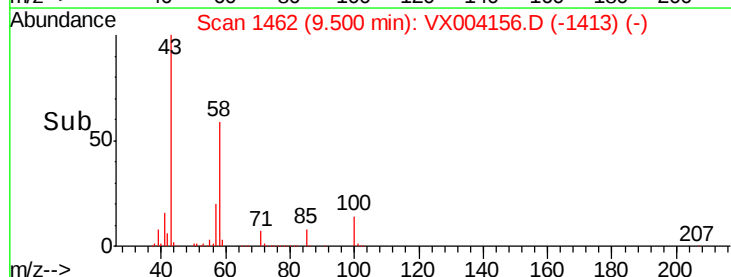
600000

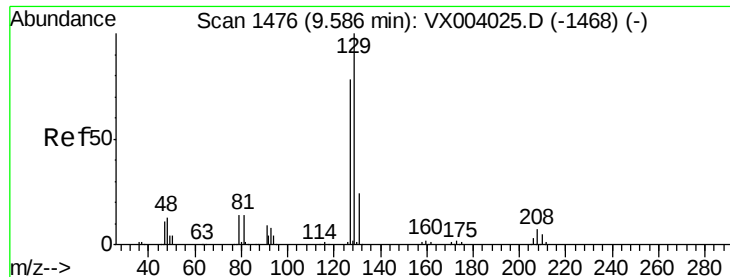
400000

200000

0

Time-->





#60

Dibromochloromethane

Concen: 50.87 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. -0.00 min

Lab File: VX004156.D

Acq: 20 Aug 2018 16:42

Instrument :

MSVOA_X

ClientSampleId :

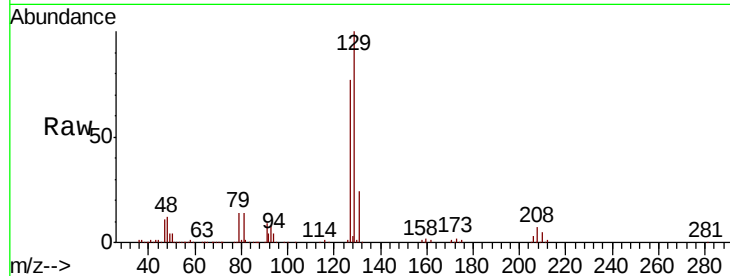
KY070MW233-180815MSD

Tot Ion:129 Resp: 194379

Ion Ratio Lower Upper

129 100

127 77.9 38.8 116.3



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.59

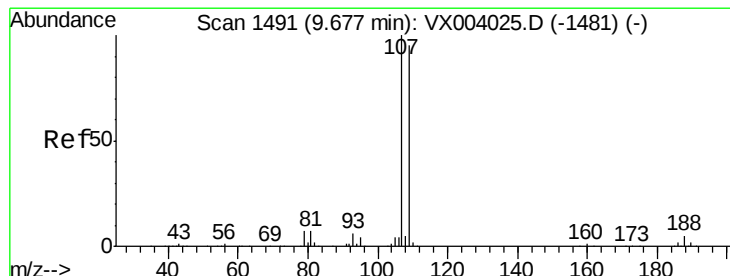
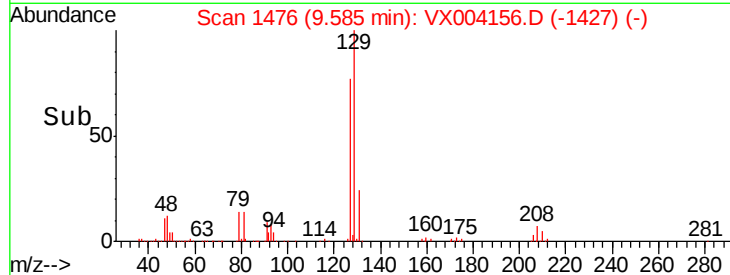
150000

100000

50000

0

Time-->



#61

1,2-Dibromoethane

Concen: 49.17 ug/l

RT: 9.67 min Scan# 1490

Delta R.T. -0.01 min

Lab File: VX004156.D

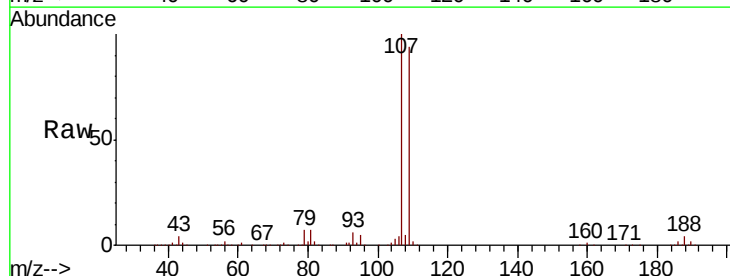
Acq: 20 Aug 2018 16:42

Tgt Ion:107 Resp: 199011

Ion Ratio Lower Upper

107 100

109 94.4 75.8 113.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

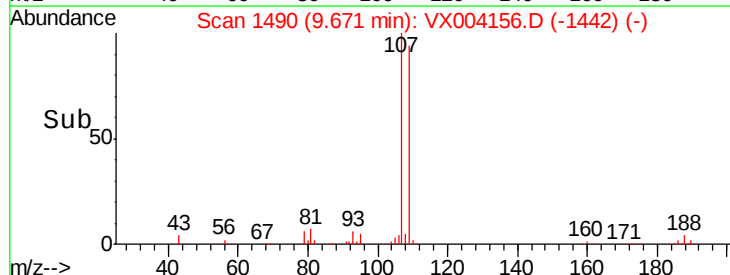
150000

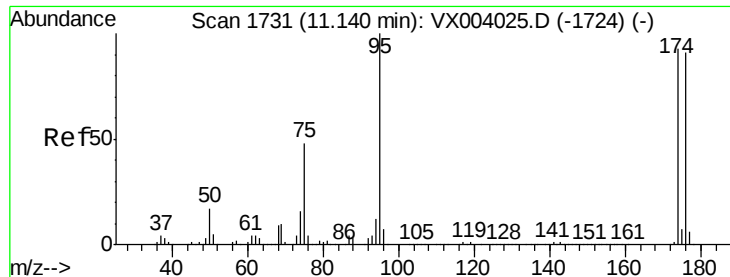
100000

50000

0

Time-->

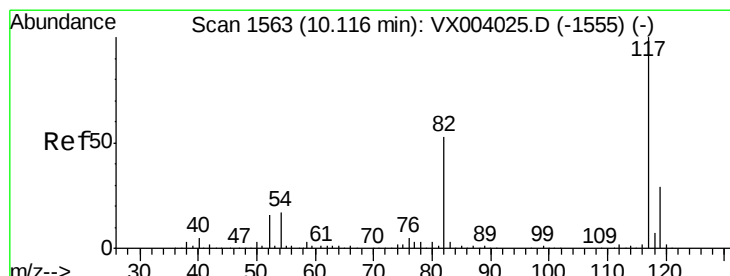
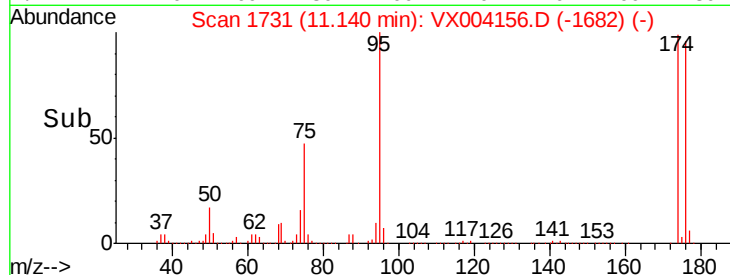
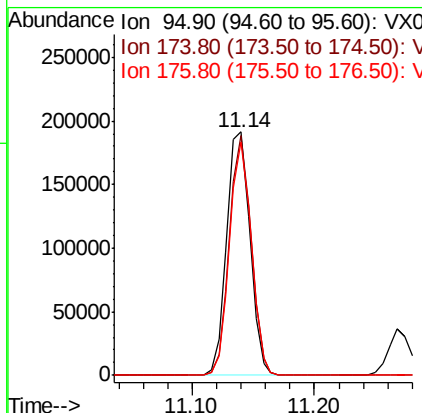
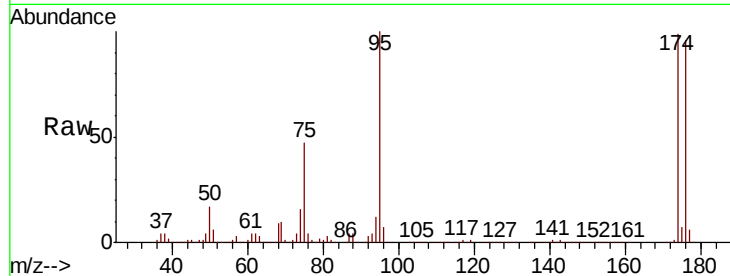




#62
 4-Bromofluorobenzene
 Concen: 51.52 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.00 min
 Lab File: VX004156.D
 Acq: 20 Aug 2018 16:42

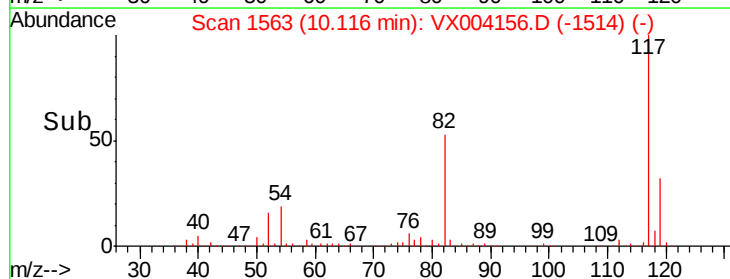
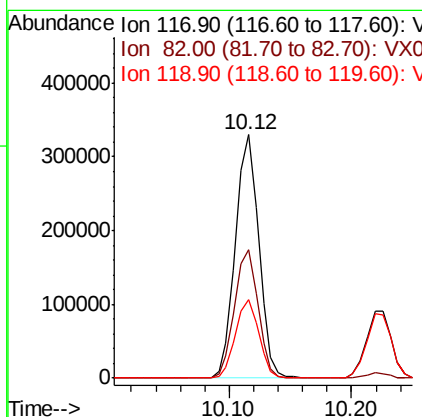
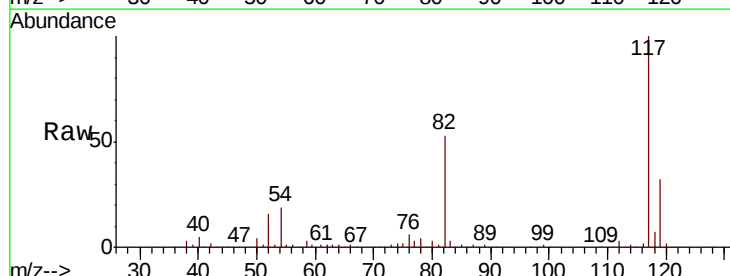
Instrument :
 MSVOA_X
 ClientSampleId :
 KY070MW233-180815MSD

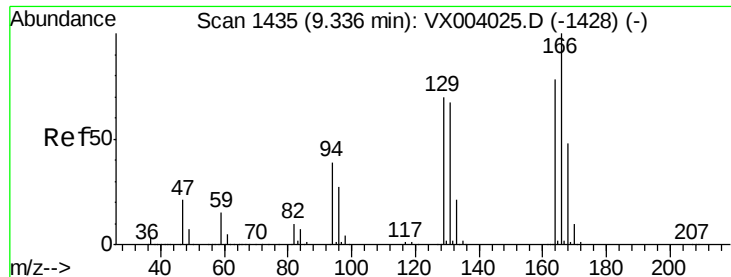
Tot Ion	95	Resp	252259
Ion	Ratio	Lower	Upper
95	100		
174	92.2	0.0	182.8
176	89.4	0.0	179.0



#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 10.12 min Scan# 1563
 Delta R.T. -0.00 min
 Lab File: VX004156.D
 Acq: 20 Aug 2018 16:42

Tgt Ion	117	Resp	435023
Ion	Ratio	Lower	Upper
117	100		
82	52.5	45.4	68.0
119	32.1	26.6	40.0





#64

Tetrachloroethene

Concen: 42.94 ug/l

RT: 9.34 min Scan# 1435

Delta R.T. -0.00 min

Lab File: VX004156.D

Acq: 20 Aug 2018 16:42

Instrument :

MSVOA_X

ClientSampleId :

KY070MW233-180815MSD

Tot Ion:164 Resp: 177056

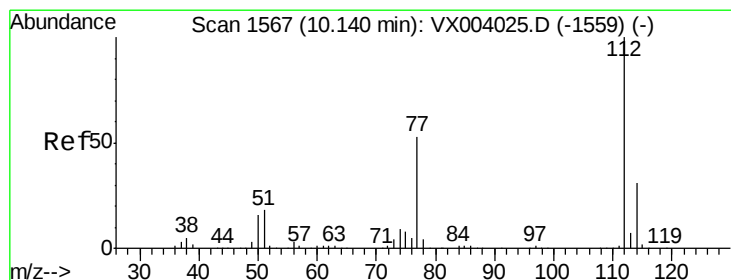
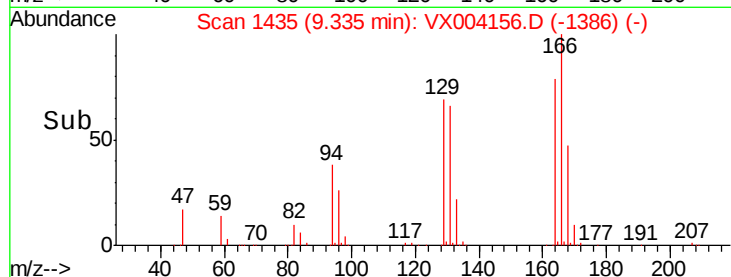
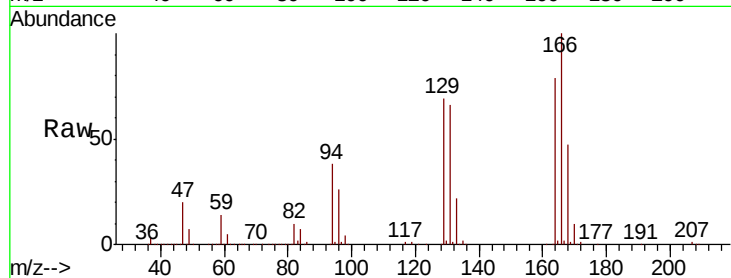
Ion Ratio Lower Upper

164 100

166 127.0 98.0 147.0

129 88.2 64.3 96.5

131 84.1 66.8 100.2



#65

Chlorobenzene

Concen: 47.64 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VX004156.D

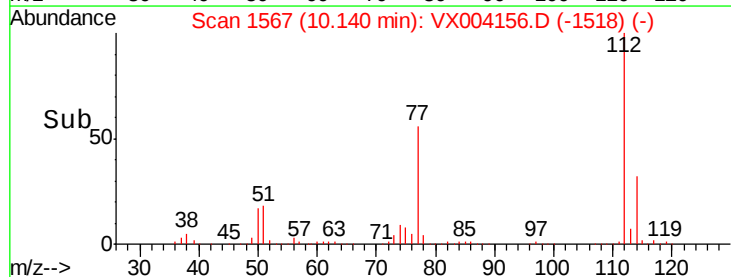
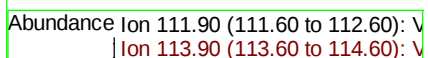
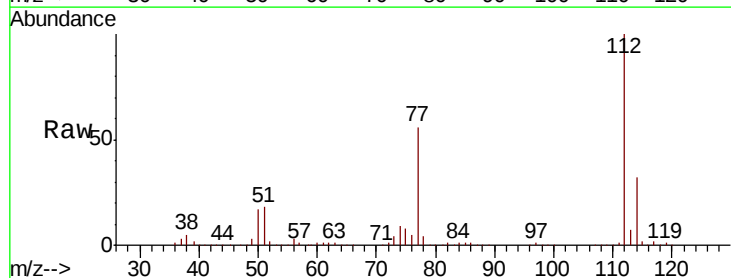
Acq: 20 Aug 2018 16:42

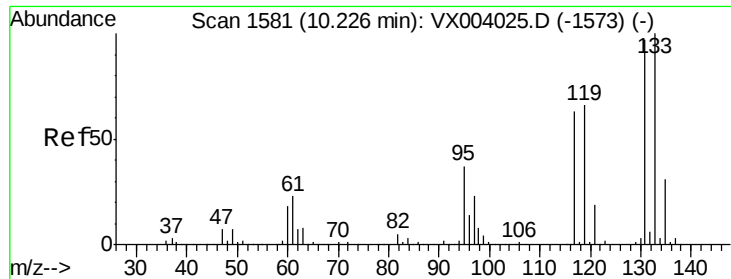
Tgt Ion:112 Resp: 535303

Ion Ratio Lower Upper

112 100

114 32.0 23.6 35.4





#66

1,1,1,2-Tetrachloroethane

Concen: 49.86 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX004156.D

Acq: 20 Aug 2018 16:42

Instrument :

MSVOA_X

ClientSampleId :

KY070MW233-180815MSD

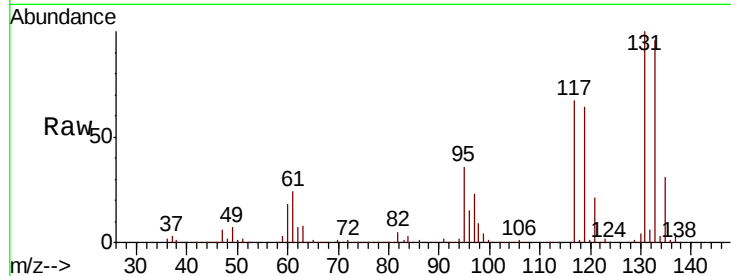
Tot Ion:131 Resp: 191111

Ion Ratio Lower Upper

131 100

133 95.4 47.3 141.8

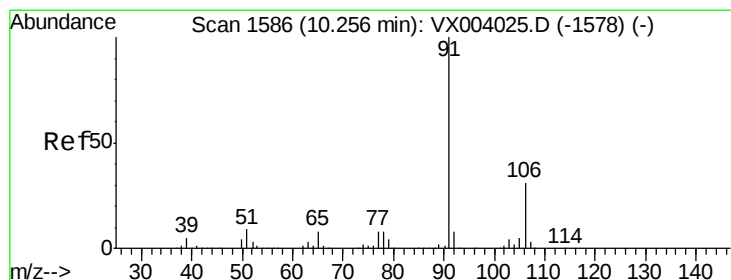
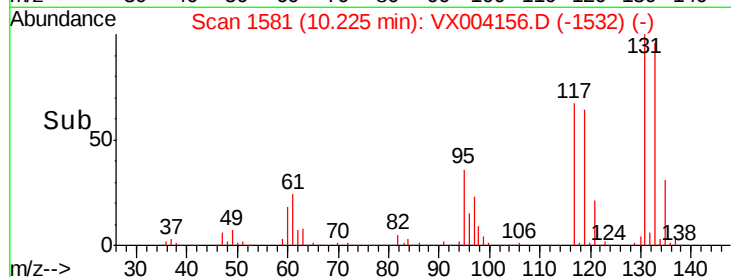
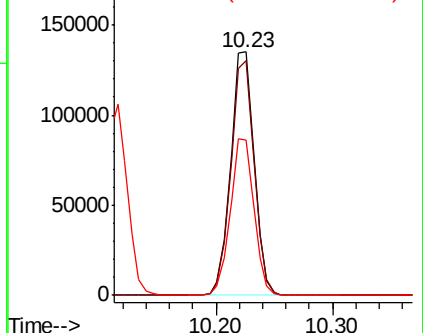
119 64.3 31.6 94.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 50.18 ug/l

RT: 10.25 min Scan# 1585

Delta R.T. -0.01 min

Lab File: VX004156.D

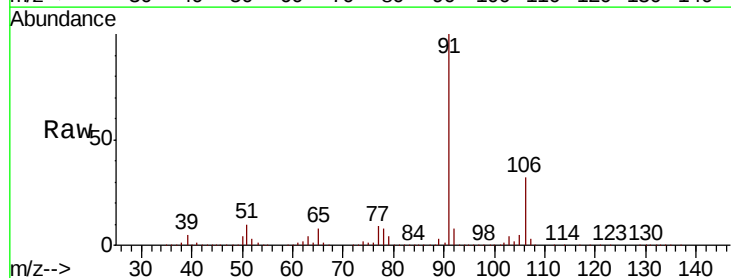
Acq: 20 Aug 2018 16:42

Tgt Ion: 91 Resp: 892827

Ion Ratio Lower Upper

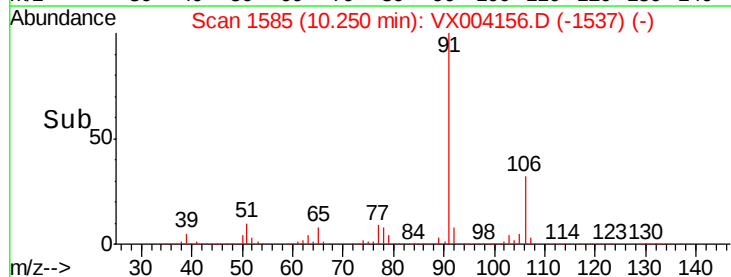
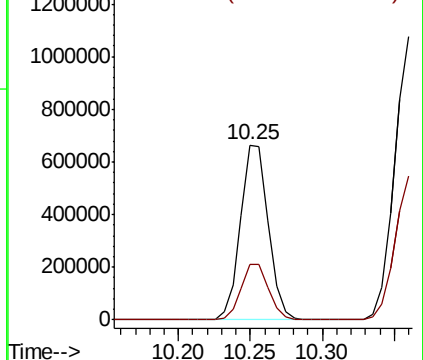
91 100

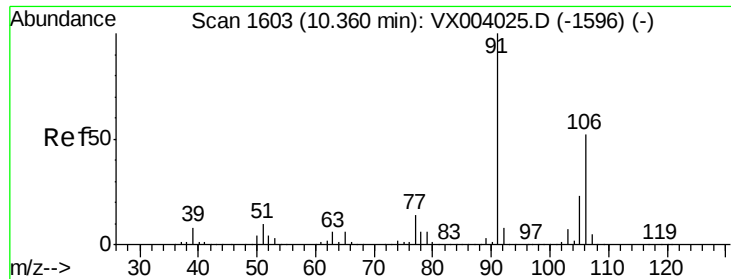
106 31.6 25.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

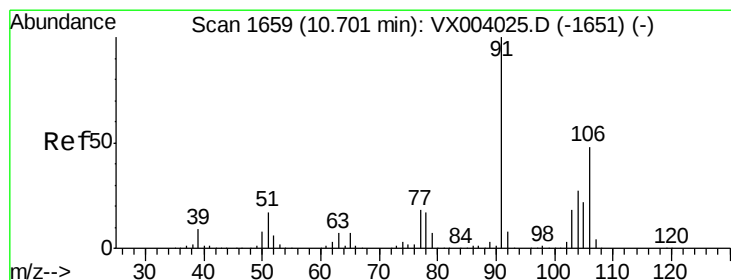
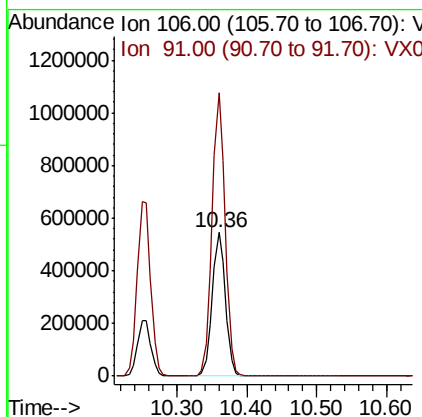
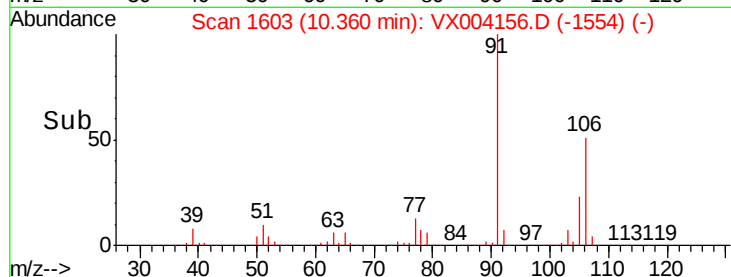
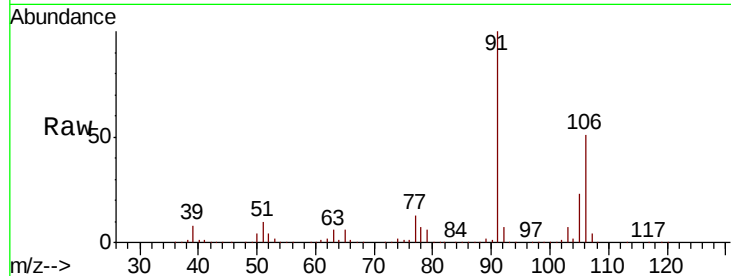




#68
m/p-Xylenes
Concen: 102.62 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX004156.D
Acq: 20 Aug 2018 16:42

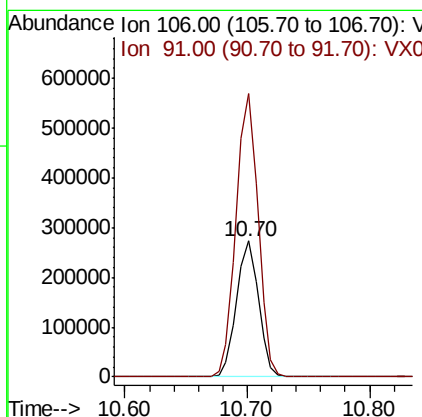
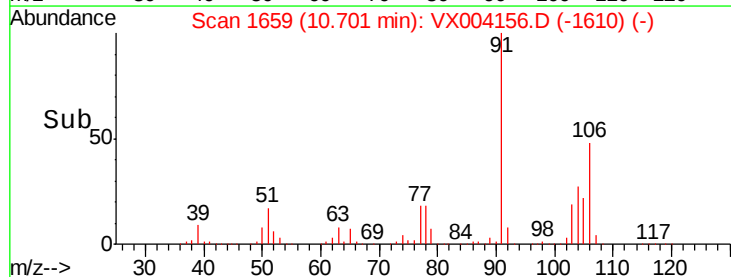
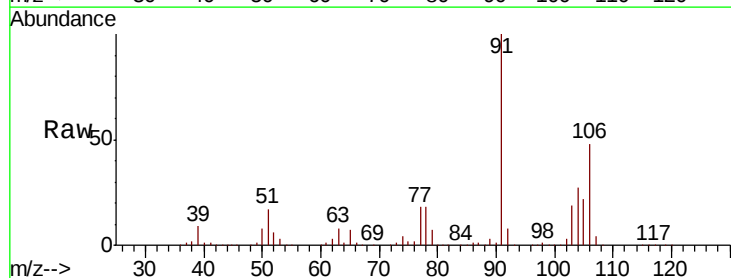
Instrument :
MSVOA_X
ClientSampleId :
KY070MW233-180815MSD

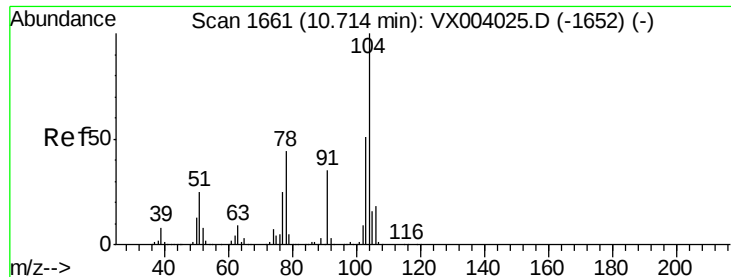
Tot Ion:106 Resp: 715099
Ion Ratio Lower Upper
106 100
91 195.4 162.3 243.5



#69
o-Xylene
Concen: 51.14 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX004156.D
Acq: 20 Aug 2018 16:42

Tgt Ion:106 Resp: 340556
Ion Ratio Lower Upper
106 100
91 209.3 101.9 305.7

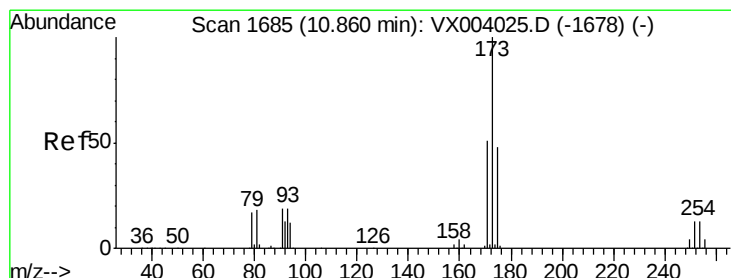
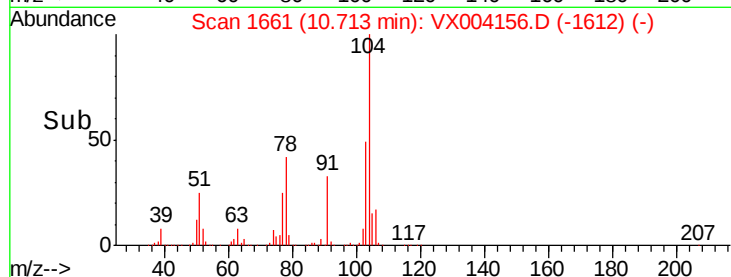
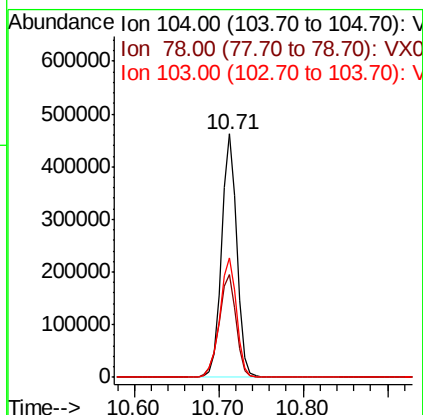
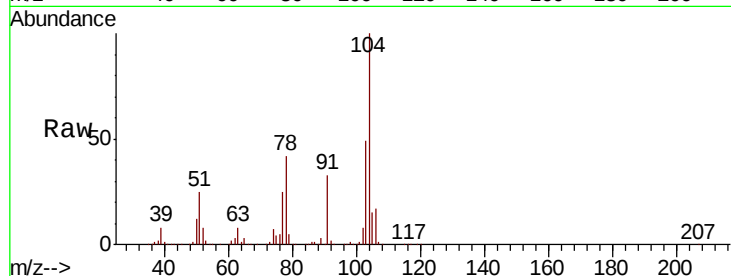




#70
Stvrene
Concen: 51.76 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX004156.D
Acq: 20 Aug 2018 16:42

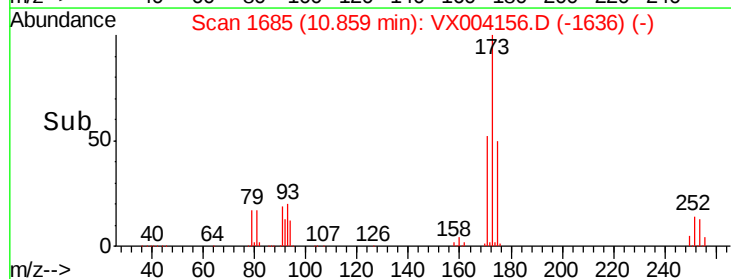
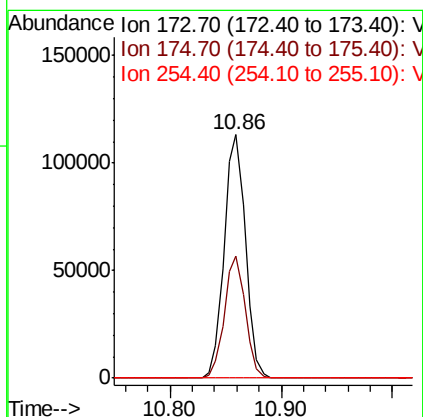
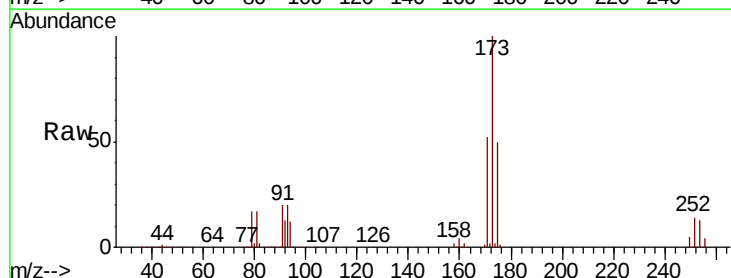
Instrument :
MSVOA_X
ClientSampleId :
KY070MW233-180815MSD

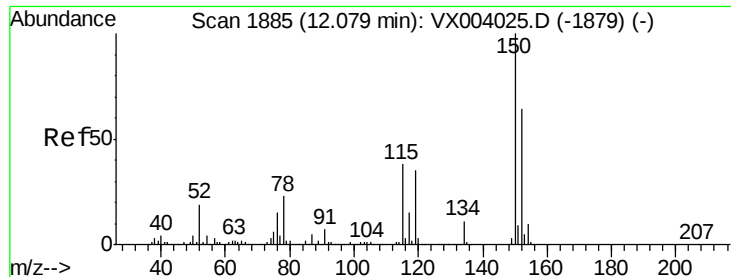
Tot Ion:104 Resp: 580130
Ion Ratio Lower Upper
104 100
78 47.5 39.8 59.6
103 54.0 44.3 66.5



#71
Bromoform
Concen: 49.22 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VX004156.D
Acq: 20 Aug 2018 16:42

Tgt Ion:173 Resp: 149576
Ion Ratio Lower Upper
173 100
175 49.2 24.9 74.7
254 0.2 0.2 0.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX004156.D

Acq: 20 Aug 2018 16:42

Instrument :

MSVOA_X

ClientSampleId :

KY070MW233-180815MSD

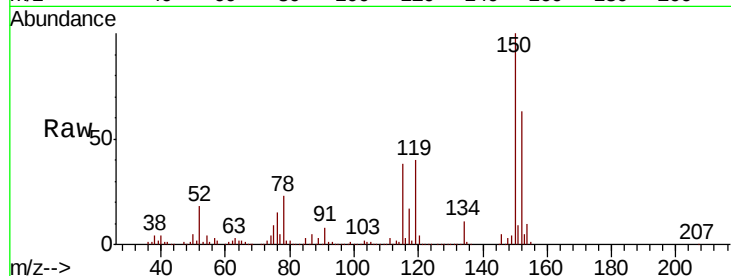
Tot Ion:152 Resp: 266045

Ion Ratio Lower Upper

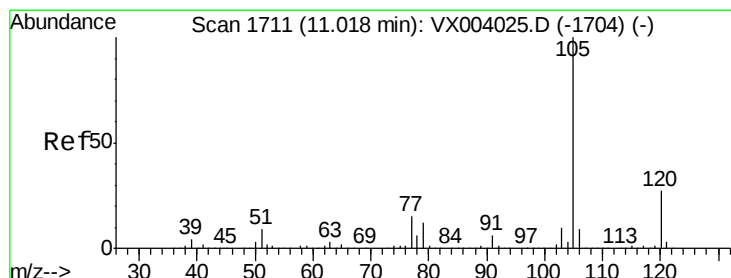
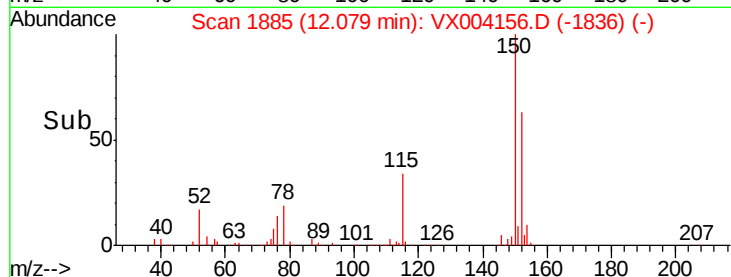
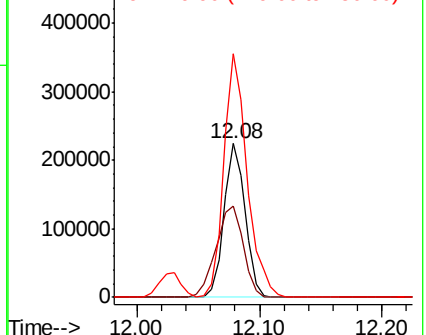
152 100

115 78.1 39.1 117.3

150 175.3 0.0 349.2



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: 50.26 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX004156.D

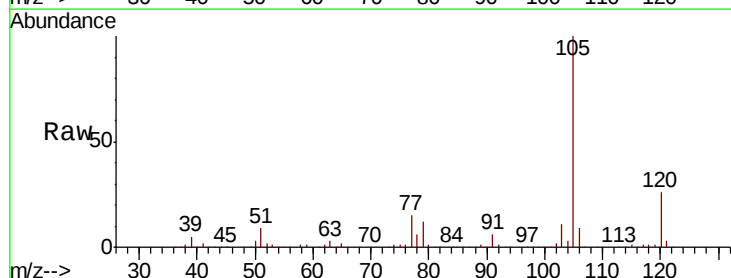
Acq: 20 Aug 2018 16:42

Tgt Ion:105 Resp: 904859

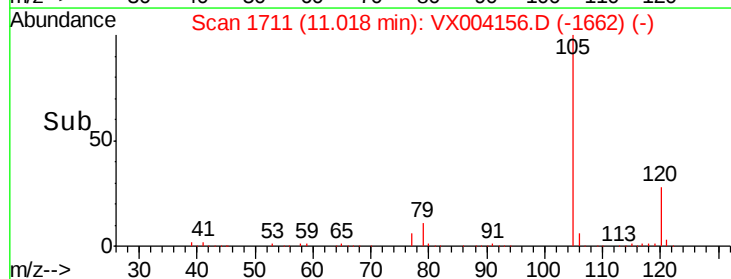
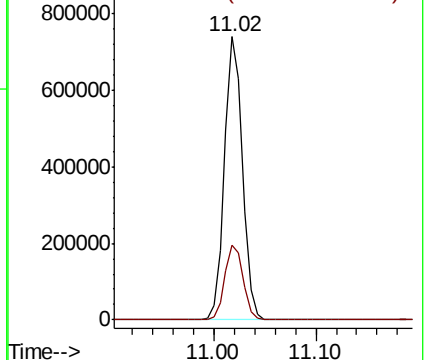
Ion Ratio Lower Upper

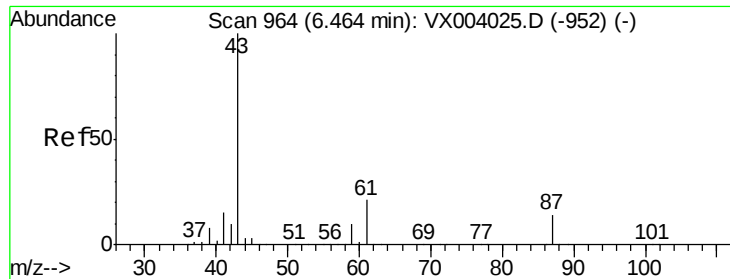
105 100

120 26.8 12.6 37.8



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





#74

N-amvl acetate

Concen: 43.81 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.00 min

Lab File: VX004156.D

Acq: 20 Aug 2018 16:42

Instrument :

MSVOA_X

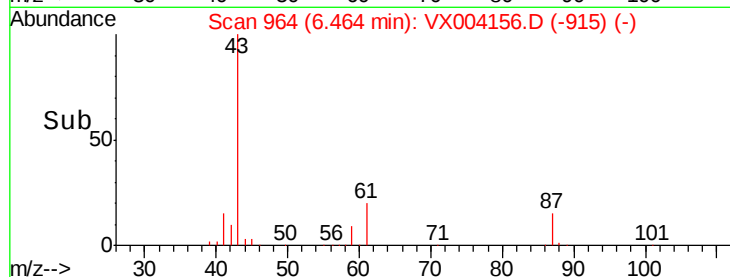
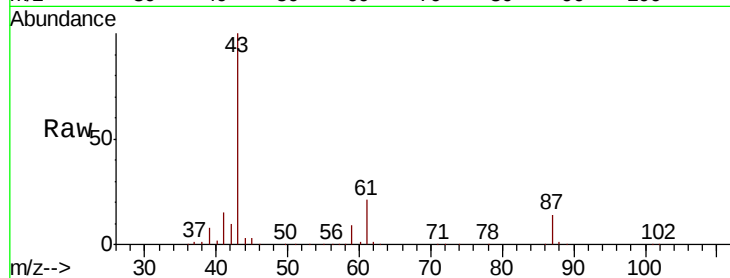
ClientSampleId :

KY070MW233-180815MSD

Tot Ion: 43 Resp: 371024

Ion Ratio Lower Upper

43	100		
70	0.0	0.0	0.0
55	0.1	0.1	0.1#
61	21.3	16.9	25.3

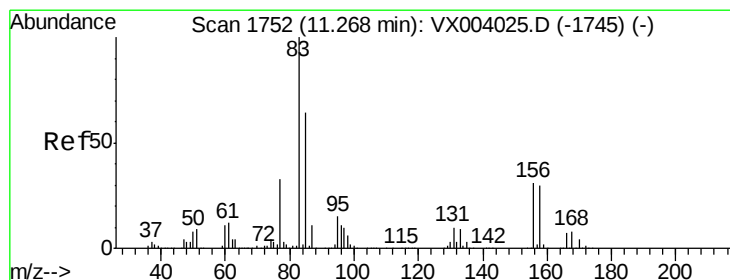
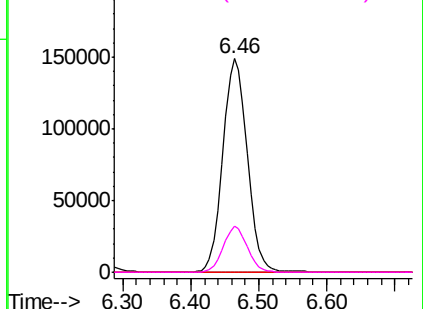


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 47.99 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.00 min

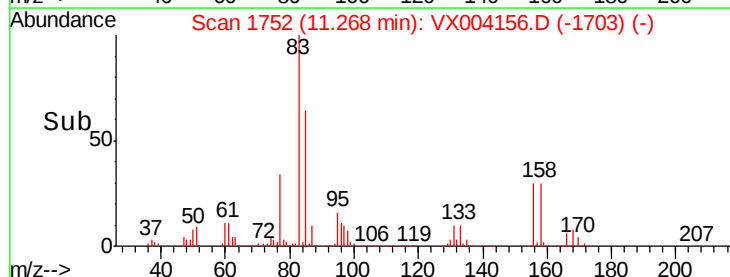
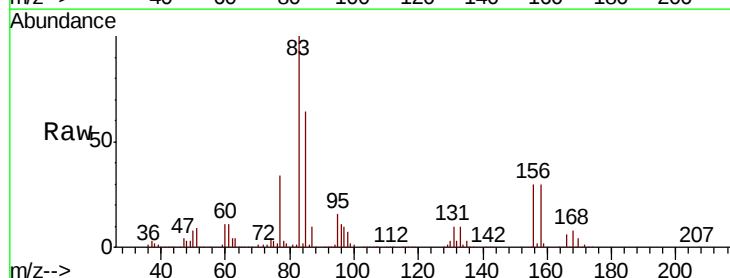
Lab File: VX004156.D

Acq: 20 Aug 2018 16:42

Tgt Ion: 83 Resp: 301746

Ion Ratio Lower Upper

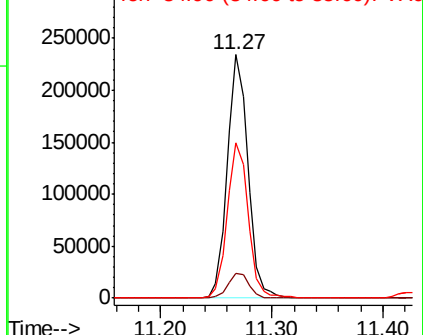
83	100		
131	10.5	5.2	15.6
85	64.6	32.2	96.6

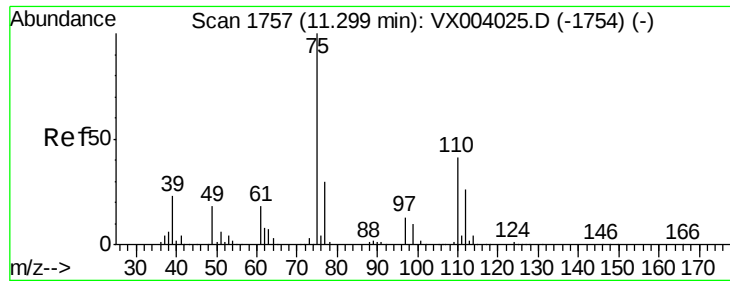


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0

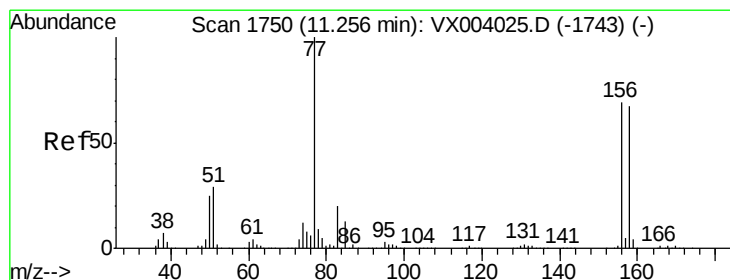
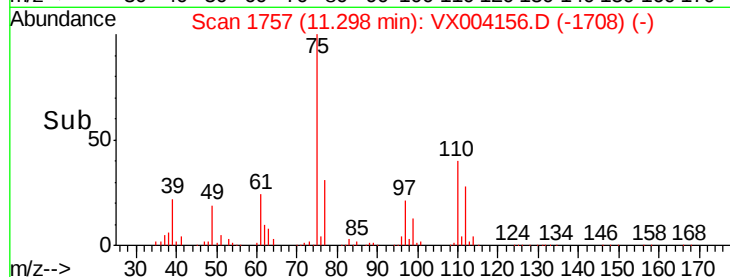
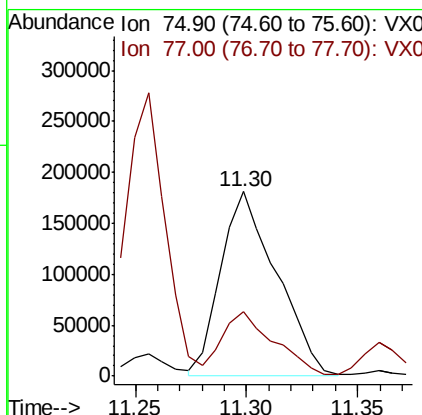
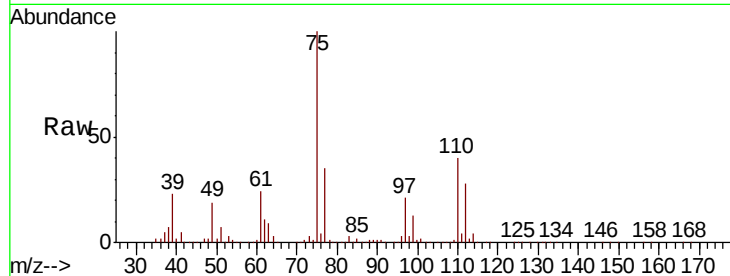




#76
 1,2,3-Trichloropropane
 Concen: 59.34 ug/l
 RT: 11.30 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VX004156.D
 Acq: 20 Aug 2018 16:42

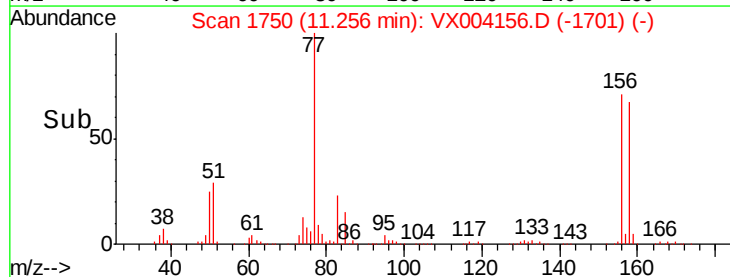
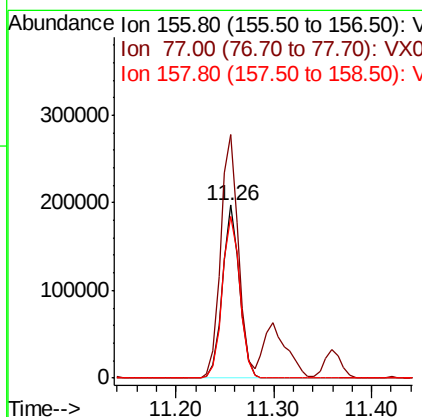
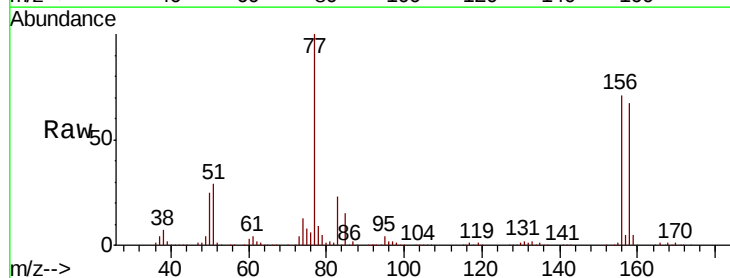
Instrument :
 MSVOA_X
 ClientSampleId :
 KY070MW233-180815MSD

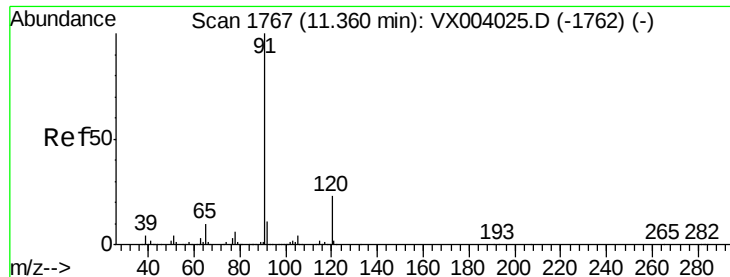
Tot Ion: 75 Resp: 316604
 Ion Ratio Lower Upper
 75 100
 77 32.7 20.8 62.5



#77
 Bromobenzene
 Concen: 47.86 ug/l
 RT: 11.26 min Scan# 1750
 Delta R.T. -0.00 min
 Lab File: VX004156.D
 Acq: 20 Aug 2018 16:42

Tgt Ion: 156 Resp: 237531
 Ion Ratio Lower Upper
 156 100
 77 146.5 74.1 222.2
 158 97.3 48.6 145.9





#78

n-propylbenzene

Concen: 49.32 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX004156.D

Acq: 20 Aug 2018 16:42

Instrument :

MSVOA_X

ClientSampleId :

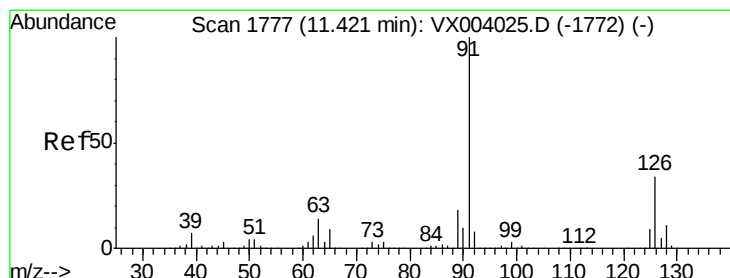
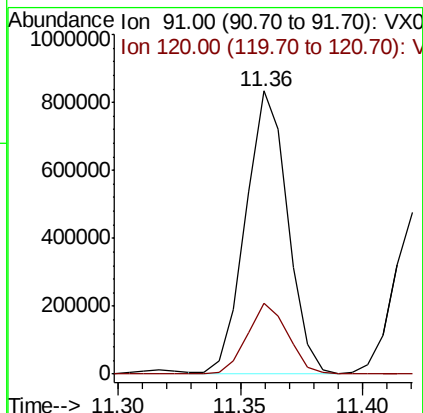
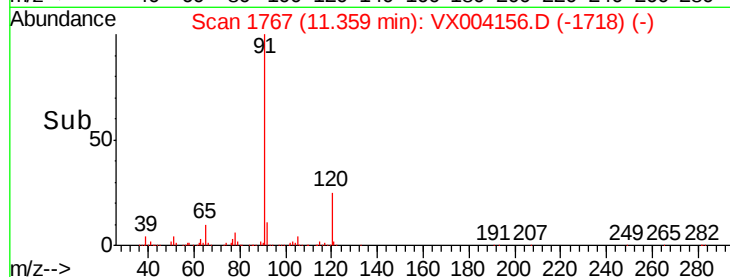
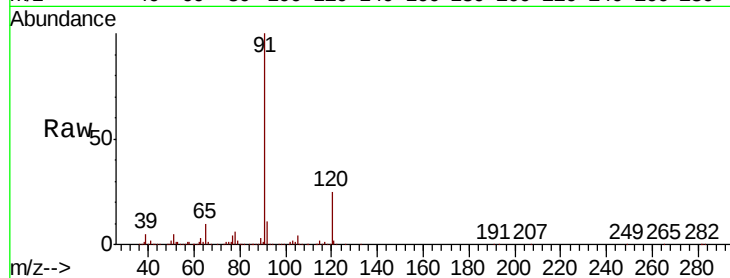
KY070MW233-180815MSD

Tot Ion: 91 Resp: 993616

Ion Ratio Lower Upper

91 100

120 24.4 11.9 35.5



#79

2-Chlorotoluene

Concen: 47.99 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.00 min

Lab File: VX004156.D

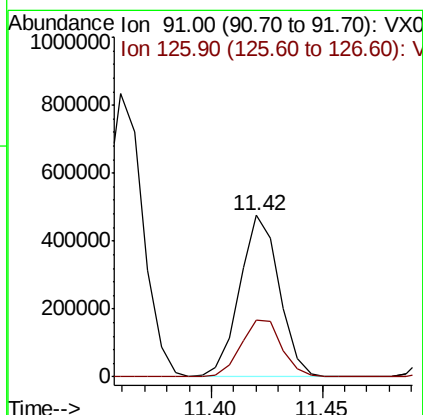
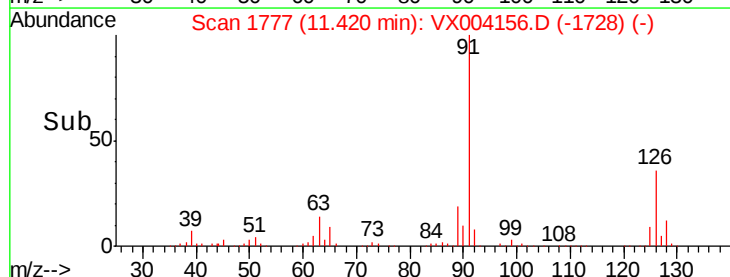
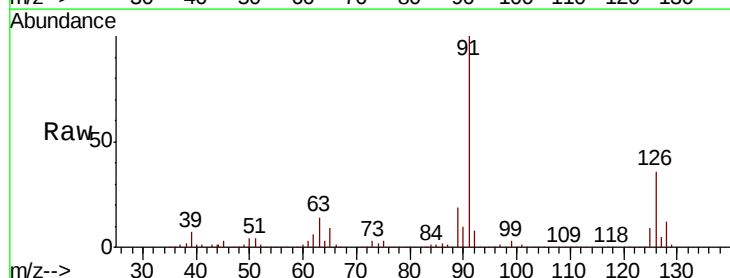
Acq: 20 Aug 2018 16:42

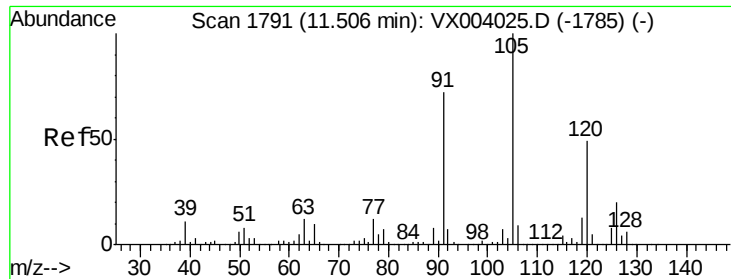
Tgt Ion: 91 Resp: 589207

Ion Ratio Lower Upper

91 100

126 36.5 17.4 52.3





#80

1,3,5-Trimethylbenzene

Concen: 50.42 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX004156.D

Acq: 20 Aug 2018 16:42

Instrument :

MSVOA_X

ClientSampleId :

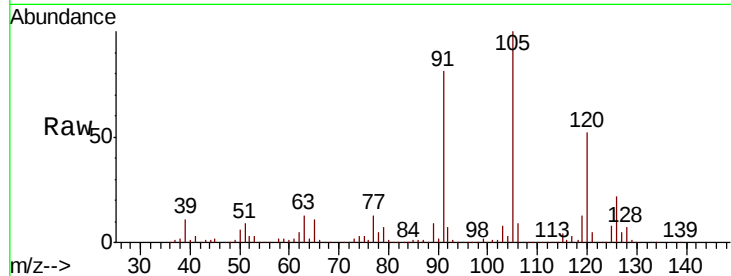
KY070MW233-180815MSD

Tot Ion:105 Resp: 743330

Ion Ratio Lower Upper

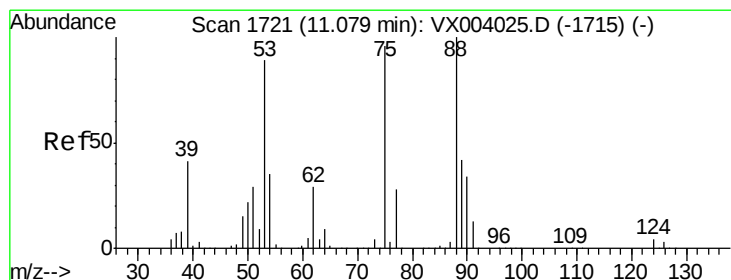
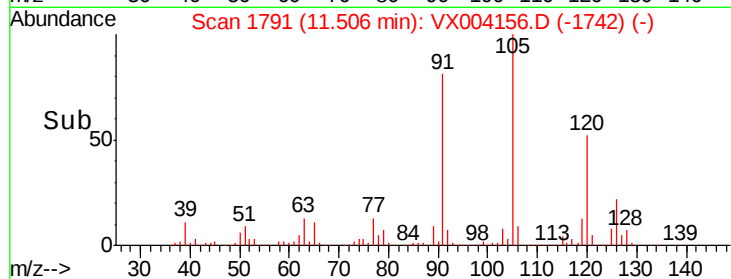
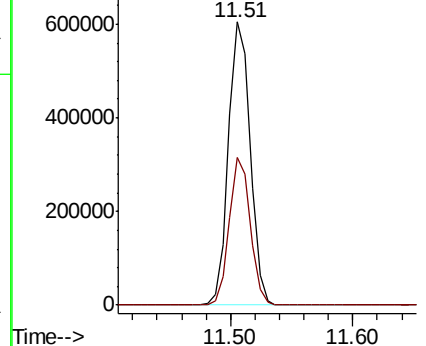
105 100

120 50.4 25.4 76.2



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: 47.90 ug/l

RT: 11.07 min Scan# 1720

Delta R.T. -0.01 min

Lab File: VX004156.D

Acq: 20 Aug 2018 16:42

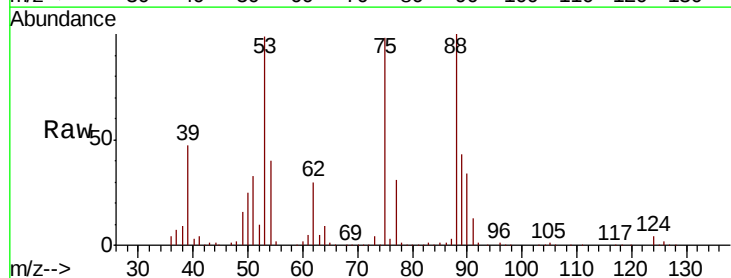
Tgt Ion: 75 Resp: 82554

Ion Ratio Lower Upper

75 100

53 99.7 80.3 120.5

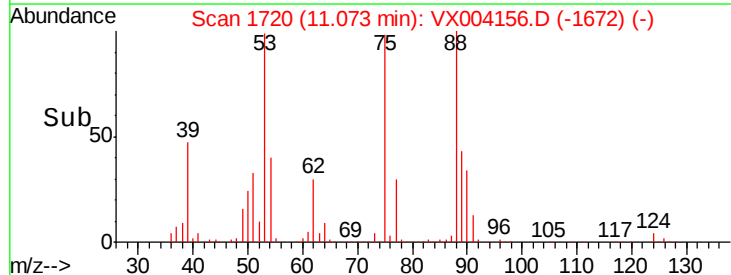
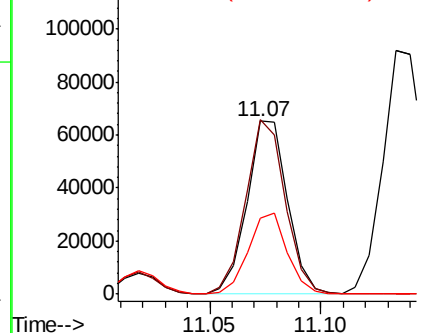
89 45.4 37.8 56.8

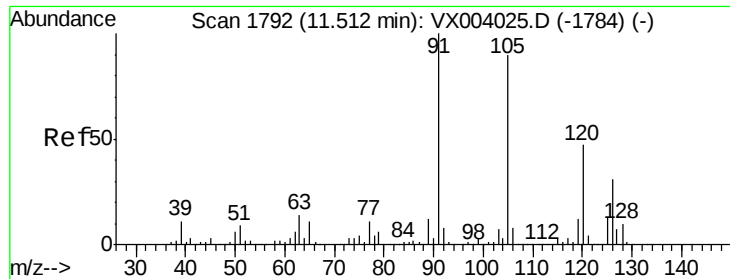


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#82

4-Chlorotoluene

Concen: 49.64 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX004156.D

Acq: 20 Aug 2018 16:42

Instrument :

MSVOA_X

ClientSampleId :

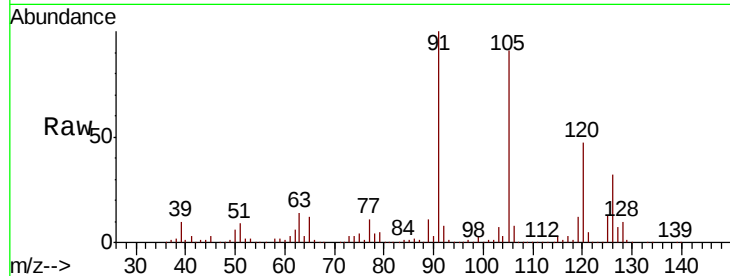
KY070MW233-180815MSD

Tot Ion: 91 Resp: 720448

Ion Ratio Lower Upper

91 100

126 31.3 15.6 46.7



Abundance Ion 91.00 (90.70 to 91.70): VX004156.D (-1743) (-)

Ion 125.90 (125.60 to 126.60): VX004156.D (-1743) (-)

11.51

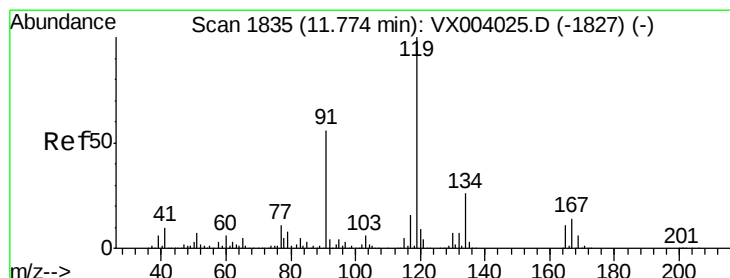
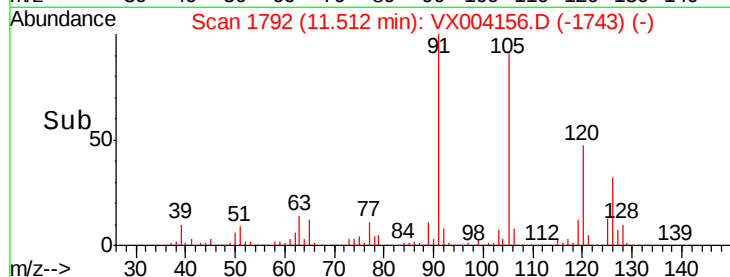
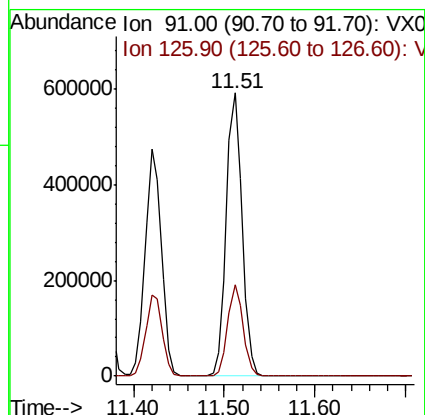
600000

400000

200000

0

11.40 11.50 11.60



#83

tert-Butylbenzene

Concen: 52.00 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX004156.D

Acq: 20 Aug 2018 16:42

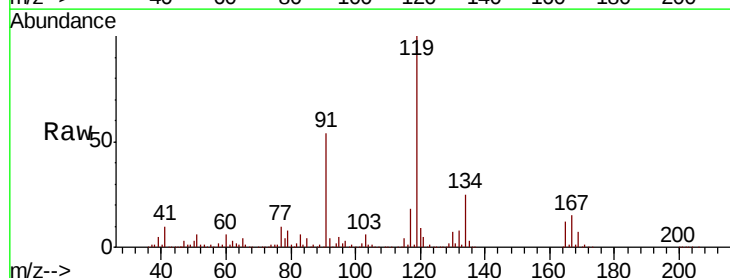
Tgt Ion: 119 Resp: 772938

Ion Ratio Lower Upper

119 100

91 53.2 26.9 80.7

134 23.9 12.0 36.0



Abundance Ion 119.00 (118.70 to 119.70): VX004156.D (-1786) (-)

Ion 91.00 (90.70 to 91.70): VX004156.D (-1786) (-)

Ion 134.00 (133.70 to 134.70): VX004156.D (-1786) (-)

11.77

800000

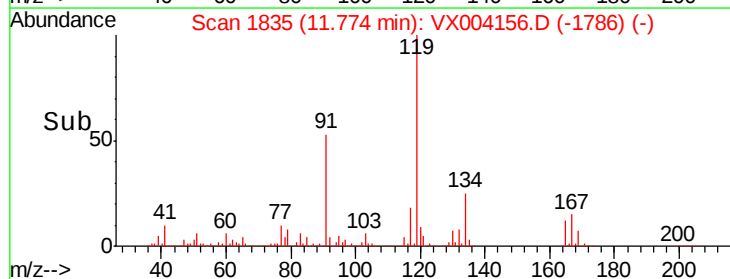
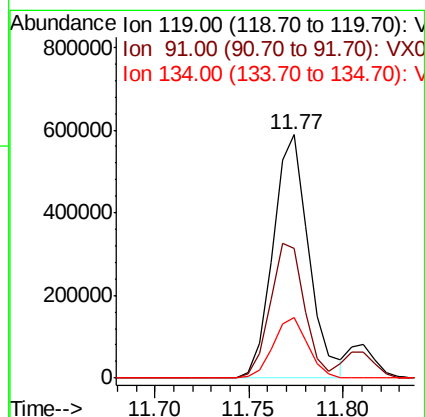
600000

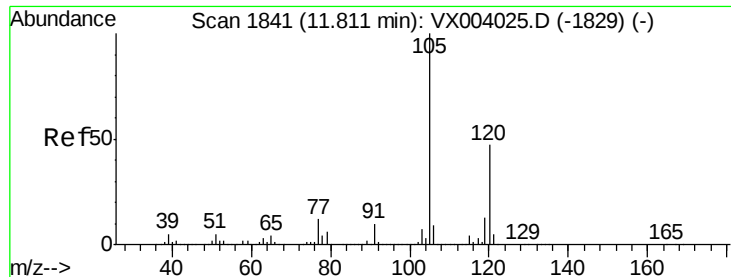
400000

200000

0

11.70 11.75 11.80

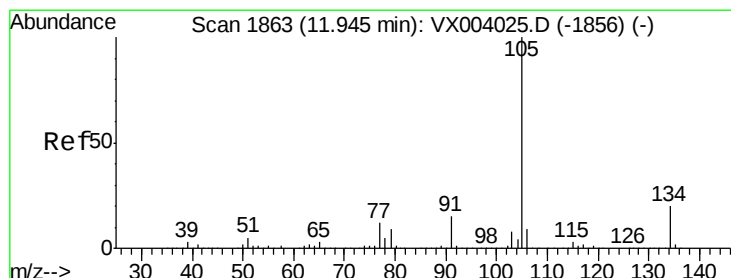
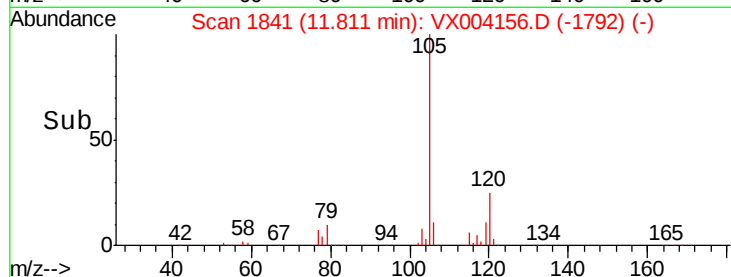
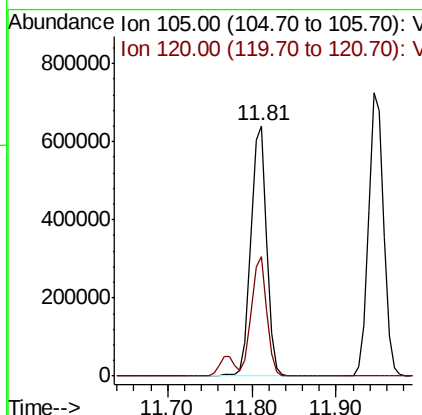
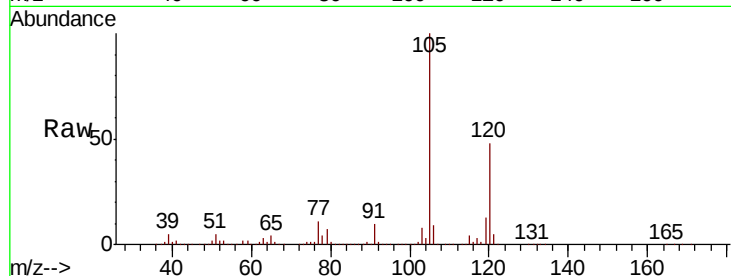




#84
 1,2,4-Trimethylbenzene
 Concen: 51.70 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX004156.D
 Acq: 20 Aug 2018 16:42

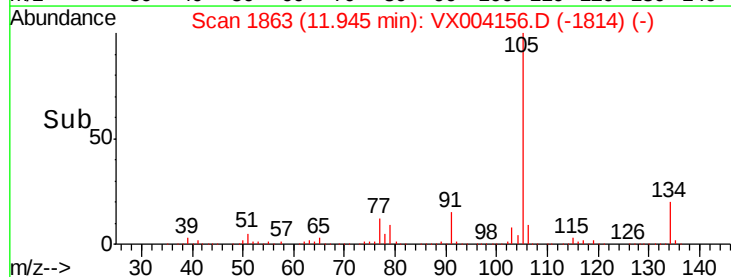
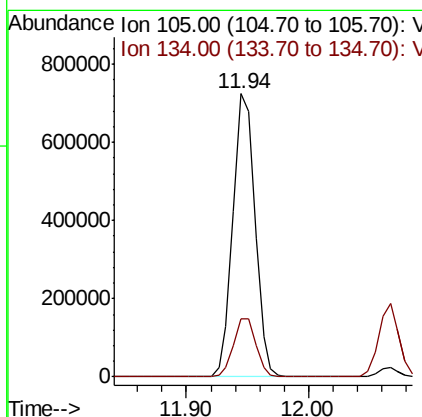
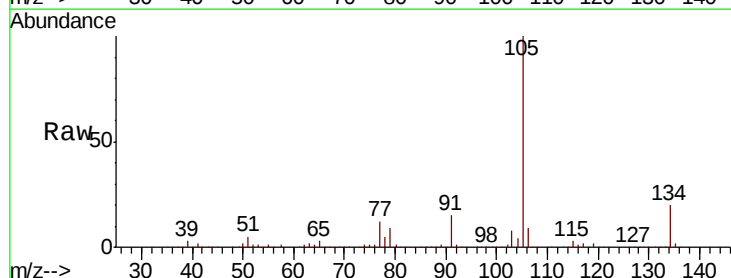
Instrument :
 MSVOA_X
 ClientSampleId :
 KY070MW233-180815MSD

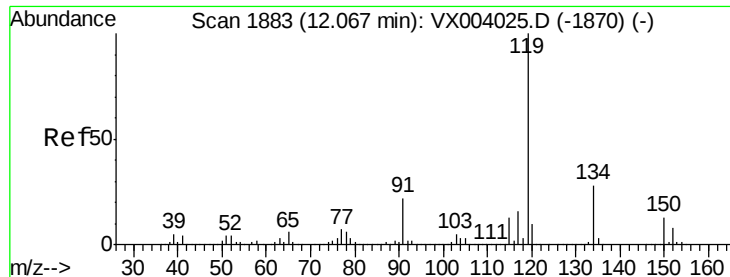
Tot Ion:105 Resp: 789309
 Ion Ratio Lower Upper
 105 100
 120 46.4 23.1 69.2



#85
 sec-Butylbenzene
 Concen: 51.89 ug/l
 RT: 11.94 min Scan# 1863
 Delta R.T. -0.00 min
 Lab File: VX004156.D
 Acq: 20 Aug 2018 16:42

Tgt Ion:105 Resp: 902683
 Ion Ratio Lower Upper
 105 100
 134 20.8 10.3 30.9

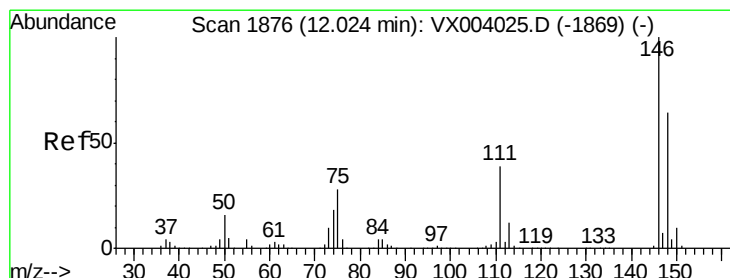
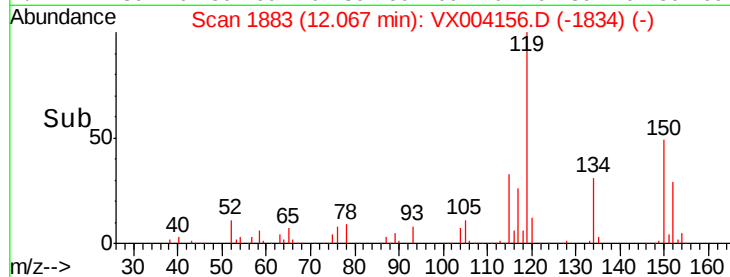
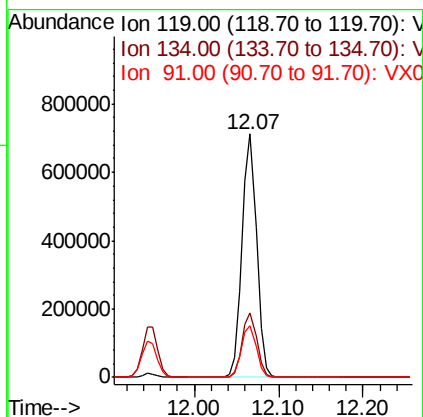
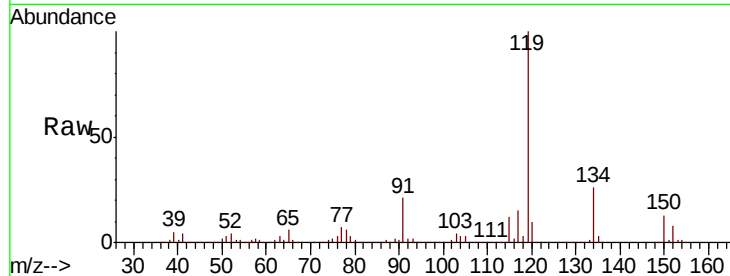




#86
 p-Isopropyltoluene
 Concen: 51.67 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX004156.D
 Acq: 20 Aug 2018 16:42

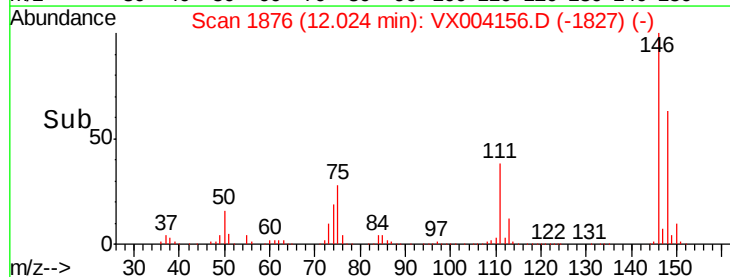
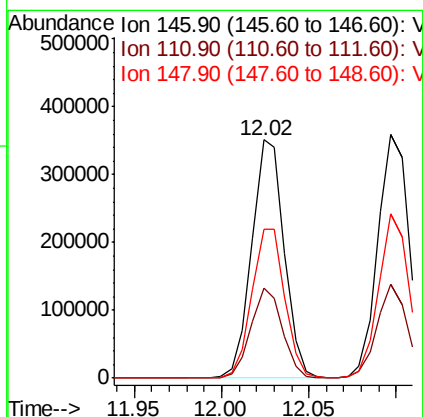
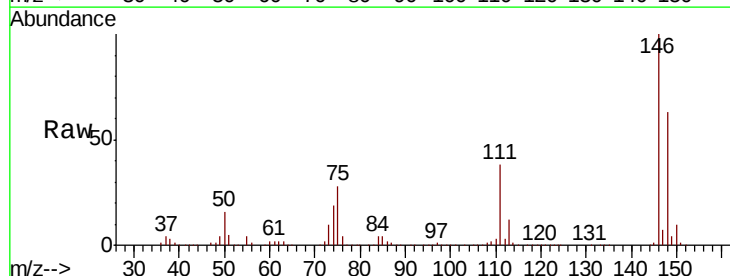
Instrument :
 MSVOA_X
 ClientSampleId :
 KY070MW233-180815MSD

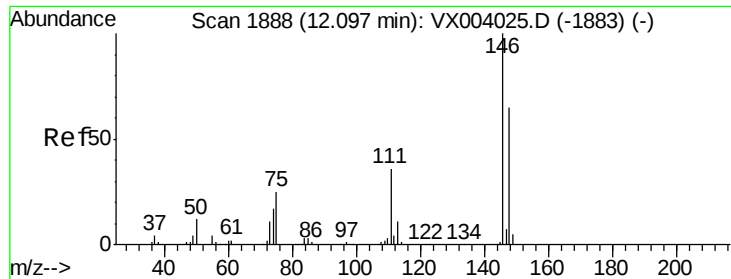
Tot Ion	Ratio	Lower	Upper
119	100		
134	26.8	13.3	39.8
91	21.9	10.9	32.7



#87
 1,3-Dichlorobenzene
 Concen: 47.67 ug/l
 RT: 12.02 min Scan# 1876
 Delta R.T. -0.00 min
 Lab File: VX004156.D
 Acq: 20 Aug 2018 16:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.8	56.4
148	63.8	31.9	95.5





#88

1,4-Dichlorobenzene

Concen: 46.08 ug/l

RT: 12.10 min Scan# 1888

Delta R.T. -0.00 min

Lab File: VX004156.D

Acq: 20 Aug 2018 16:42

Instrument :

MSVOA_X

ClientSampleId :

KY070MW233-180815MSD

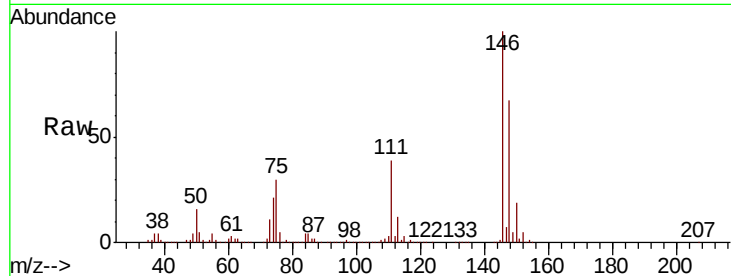
Tot Ion:146 Resp: 448909

Ion Ratio Lower Upper

146 100

111 37.2 18.4 55.0

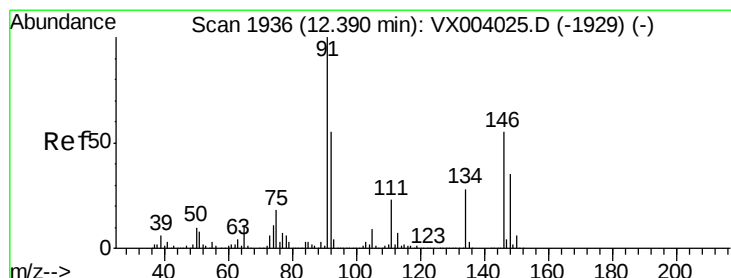
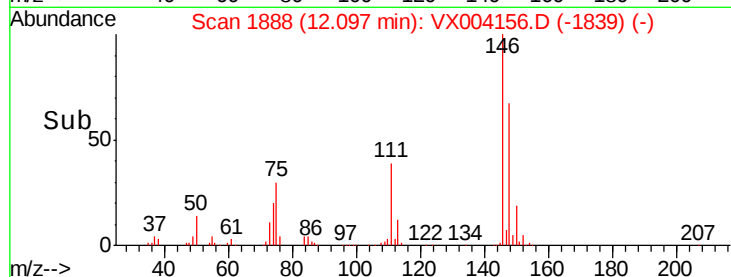
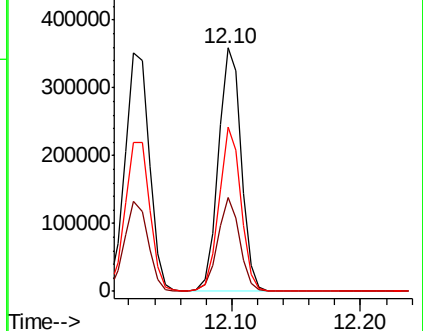
148 64.8 32.3 96.8



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: 55.30 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VX004156.D

Acq: 20 Aug 2018 16:42

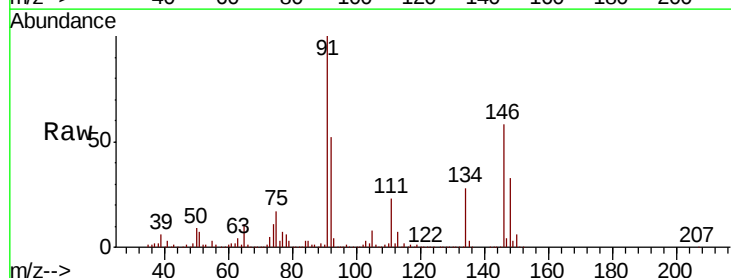
Tgt Ion: 91 Resp: 686272

Ion Ratio Lower Upper

91 100

92 52.5 27.1 81.3

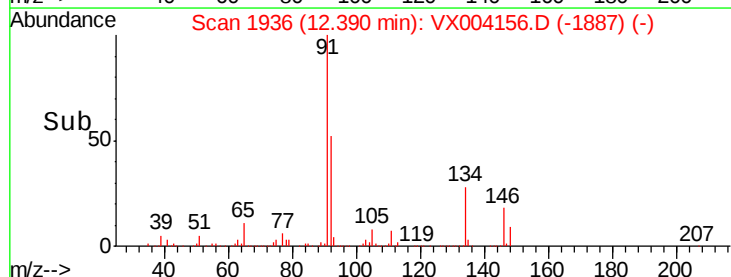
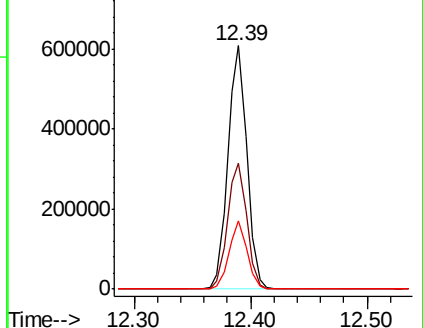
134 26.9 13.6 40.7

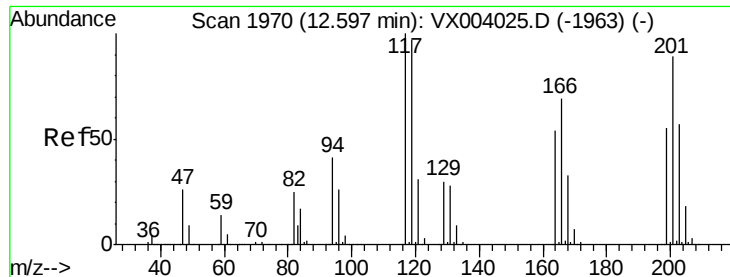


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V

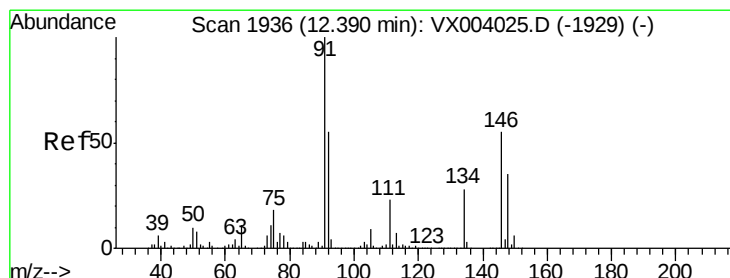
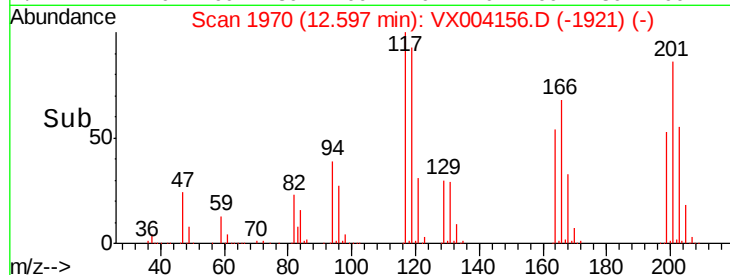
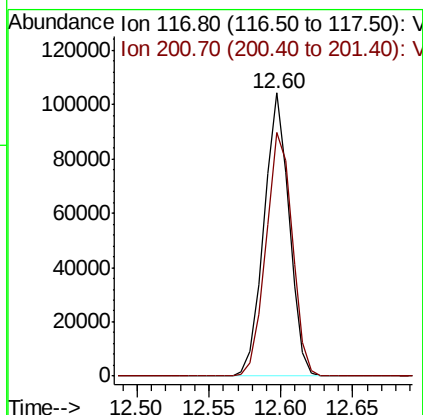
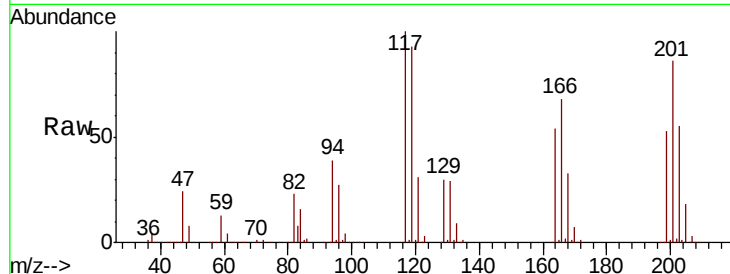




#90
Hexachloroethane
Concen: 53.09 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX004156.D
Acq: 20 Aug 2018 16:42

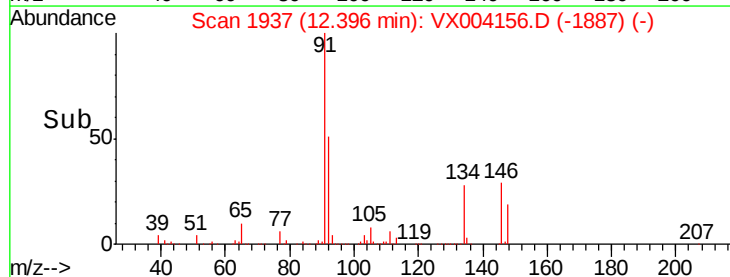
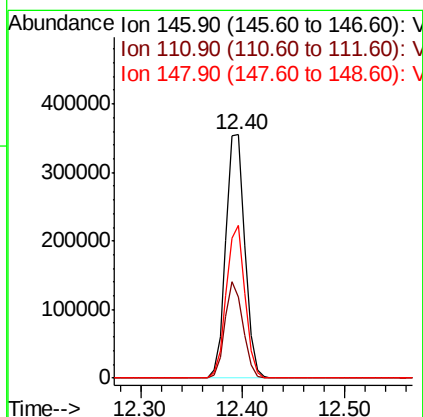
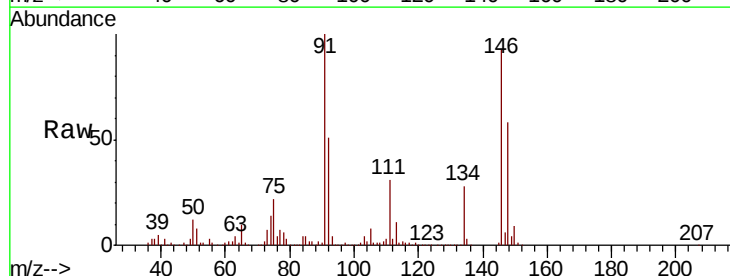
Instrument :
MSVOA_X
ClientSampleId :
KY070MW233-180815MSD

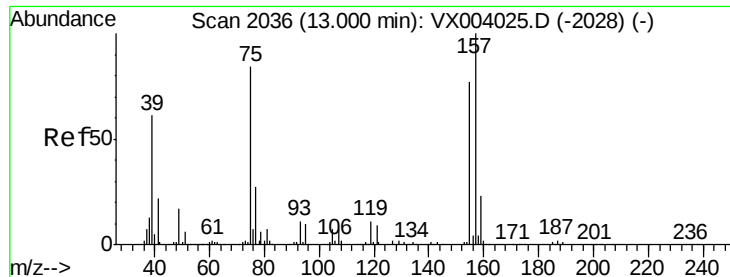
Tot Ion:117 Resp: 125111
Ion Ratio Lower Upper
117 100
201 90.6 46.1 138.2



#91
1,2-Dichlorobenzene
Concen: 53.72 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.01 min
Lab File: VX004156.D
Acq: 20 Aug 2018 16:42

Tgt Ion:146 Resp: 458574
Ion Ratio Lower Upper
146 100
111 37.7 19.7 59.0
148 61.3 31.9 95.5





#92

1,2-Dibromo-3-Chloropropane

Concen: 54.60 ug/l

RT: 13.00 min Scan# 2036

Delta R.T. -0.00 min

Lab File: VX004156.D

Acq: 20 Aug 2018 16:42

Instrument :

MSVOA_X

ClientSampleId :

KY070MW233-180815MSD

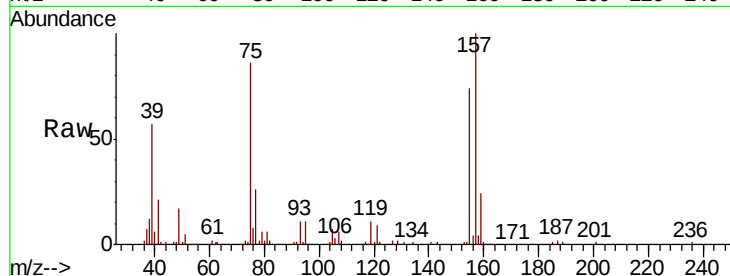
Tot Ion: 75 Resp: 60331

Ion Ratio Lower Upper

75 100

155 91.3 48.7 146.1

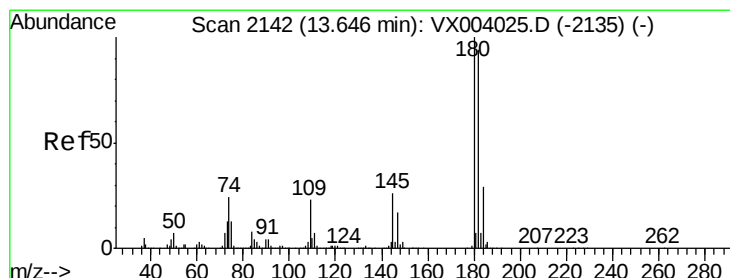
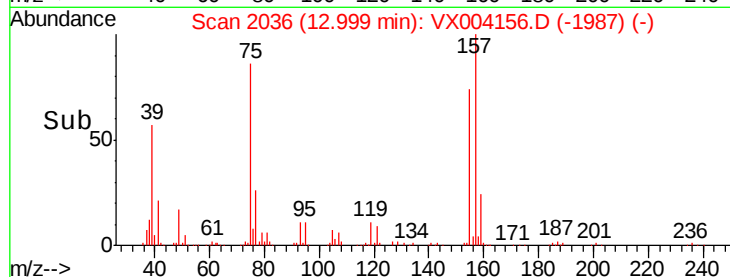
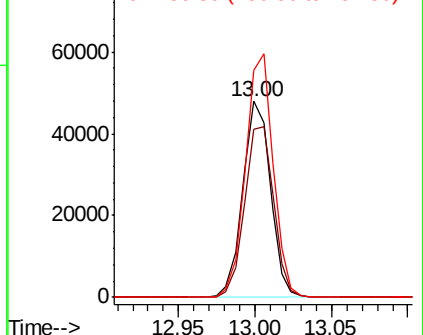
157 123.6 62.6 187.8



Abundance Ion 74.90 (74.60 to 75.60): VX004025.D (-2028) (-)

Ion 154.80 (154.50 to 155.50): VX004025.D (-2028) (-)

Ion 156.80 (156.50 to 157.50): VX004025.D (-2028) (-)



#93

1,2,4-Trichlorobenzene

Concen: 53.66 ug/l

RT: 13.65 min Scan# 2142

Delta R.T. -0.00 min

Lab File: VX004156.D

Acq: 20 Aug 2018 16:42

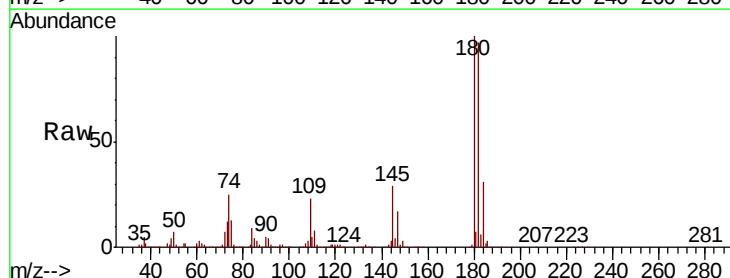
Tgt Ion: 180 Resp: 313163

Ion Ratio Lower Upper

180 100

182 95.9 47.7 143.1

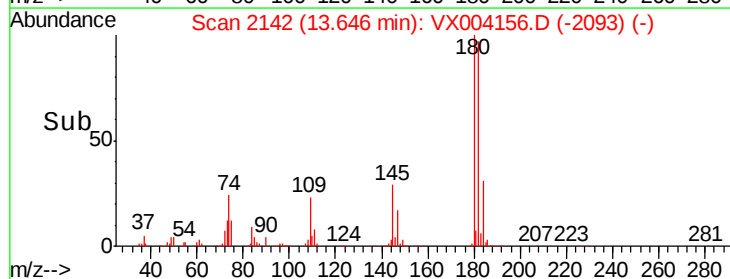
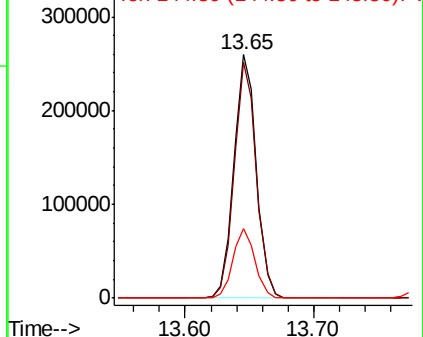
145 28.1 13.9 41.6

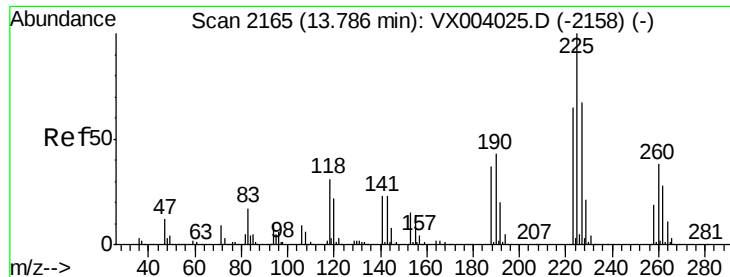


Abundance Ion 179.80 (179.50 to 180.50): VX004025.D (-2135) (-)

Ion 181.80 (181.50 to 182.50): VX004025.D (-2135) (-)

Ion 144.80 (144.50 to 145.50): VX004025.D (-2135) (-)

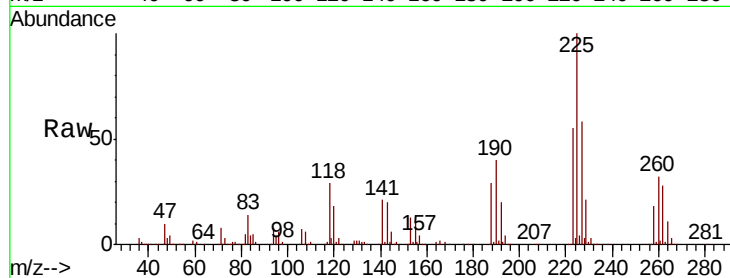




#94
Hexachlorobutadiene
Concen: 48.29 ug/l
RT: 13.79 min Scan# 2165
Delta R.T. -0.00 min
Lab File: VX004156.D
Acq: 20 Aug 2018 16:42

Instrument :
MSVOA_X
ClientSampleId :
KY070MW233-180815MSD

Tot Ion	Ratio	Lower	Upper
225	100		
223	60.1	31.4	94.0
227	64.0	32.1	96.5

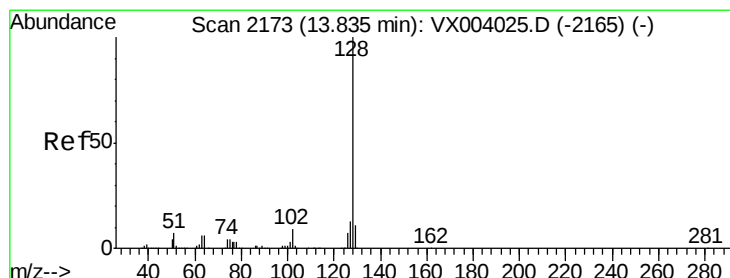
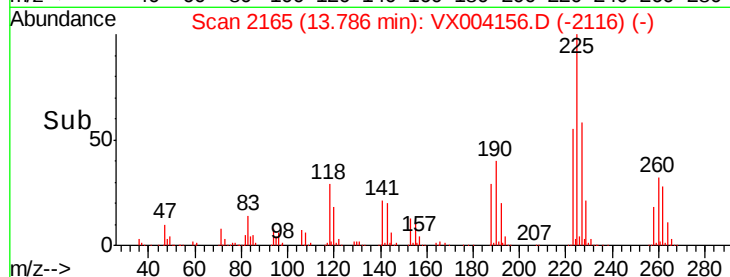
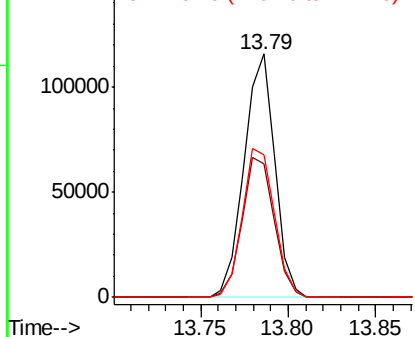


Abundance

Ion 224.70 (224.40 to 225.40): V

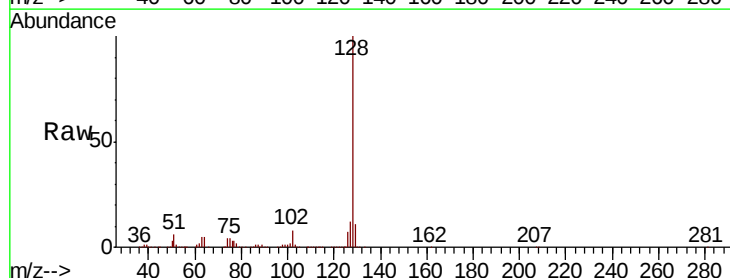
Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95
Naphthalene
Concen: 50.94 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX004156.D
Acq: 20 Aug 2018 16:42

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.2	15.2
129	11.0	8.8	13.2

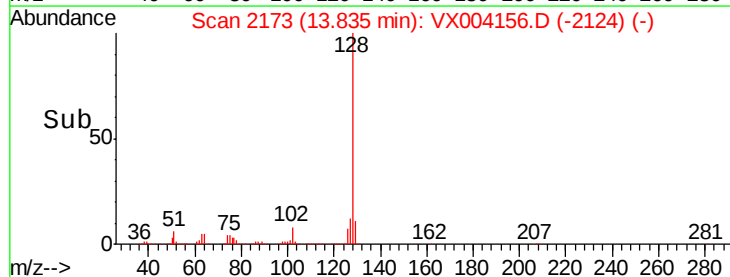
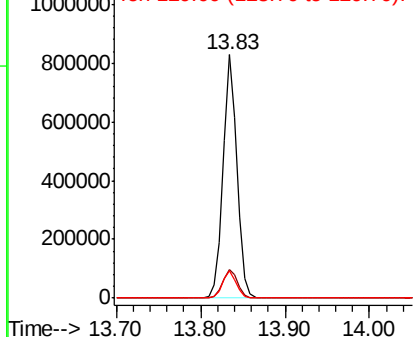


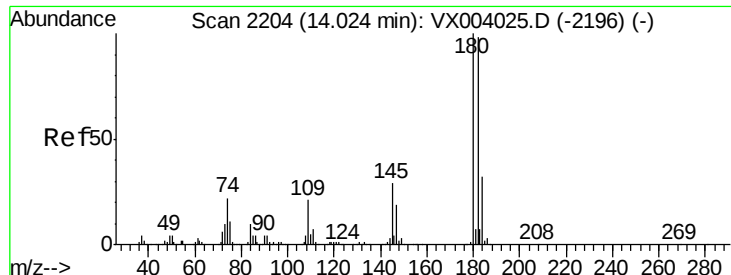
Abundance

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

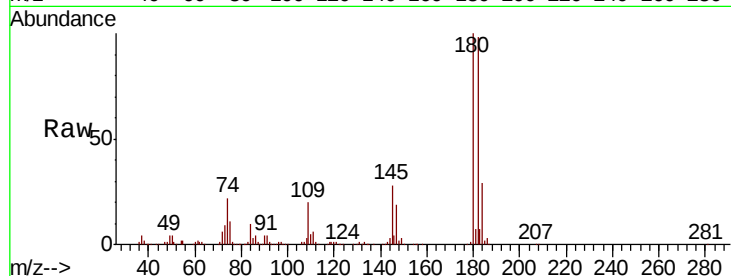




#96
 1,2,3-Trichlorobenzene
 Concen: 49.34 ug/l
 RT: 14.02 min Scan# 2204
 Delta R.T. -0.00 min
 Lab File: VX004156.D
 Acq: 20 Aug 2018 16:42

Instrument :
 MSVOA_X
 ClientSampleId :
 KY070MW233-180815MSD

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.0	48.1	144.4
145	28.6	14.9	44.7



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

