

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111918\
 Data File : VX006103.D
 Acq On : 19 Nov 2018 20:33
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Nov 20 00:05:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	140367	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	205837	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	159649	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	90274	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	68379	42.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.74%	
35) Dibromofluoromethane	5.51	113	59836	42.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.48%	
50) Toluene-d8	8.71	98	192470	41.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.70%	
62) 4-Bromofluorobenzene	11.14	95	74024	44.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	44901	35.479	ug/l	97
3) Chloromethane	1.32	50	60235	36.266	ug/l	96
4) Vinyl Chloride	1.41	62	58364	35.004	ug/l	99
5) Bromomethane	1.64	94	41191	40.369	ug/l	99
6) Chloroethane	1.71	64	42903	43.124	ug/l	100
7) Trichlorofluoromethane	1.93	101	84993	38.402	ug/l	89
8) Diethyl Ether	2.19	74	39924	46.036	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	54636	42.922	ug/l	98
10) Methyl Iodide	2.51	142	71140	46.113	ug/l	96
11) Tert butyl alcohol	3.07	59	95602	206.810	ug/l	98
12) 1,1-Dichloroethene	2.37	96	51273	41.326	ug/l	93
13) Acrolein	2.29	56	45153	208.315	ug/l	97
14) Allyl chloride	2.73	41	111716	40.317	ug/l	96
15) Acrylonitrile	3.15	53	218952	228.552	ug/l	100
16) Acetone	2.45	43	184376	212.205	ug/l	91
17) Carbon Disulfide	2.57	76	121574	32.851	ug/l	99
18) Methyl Acetate	2.78	43	113756	48.820	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	198307	46.831	ug/l	98
20) Methylene Chloride	2.86	84	61182	42.868	ug/l	90
21) trans-1,2-Dichloroethene	3.17	96	55449	42.372	ug/l	96
22) Diisopropyl ether	3.87	45	214124	44.112	ug/l #	97
23) Vinyl Acetate	3.82	43	847699	203.677	ug/l	98
24) 1,1-Dichloroethane	3.70	63	112573	43.469	ug/l	99
25) 2-Butanone	4.70	43	302879	221.730	ug/l	100
26) 2,2-Dichloropropane	4.59	77	75271	39.622	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	68115	47.140	ug/l	92
28) Bromochloromethane	5.01	49	57832	49.967	ug/l	95
29) Tetrahydrofuran	5.15	42	197917	225.659	ug/l	97
30) Chloroform	5.21	83	109494	43.823	ug/l	99
31) Cyclohexane	5.57	56	89308	39.727	ug/l	93
32) 1,1,1-Trichloroethane	5.50	97	87013	41.752	ug/l	99
36) 1,1-Dichloropropene	5.80	75	79848	40.240	ug/l	98
37) Ethyl Acetate	4.86	43	106125	40.670	ug/l	99
38) Carbon Tetrachloride	5.78	117	71106	35.794	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	74621	37.103	ug/l	96
40) Benzene	6.15	78	234067	40.463	ug/l	98
41) Methacrylonitrile	5.06	41	61481	43.604	ug/l	97
42) 1,2-Dichloroethane	6.20	62	82318	39.730	ug/l	97
43) Isopropyl Acetate	6.46	43	156520	41.396	ug/l	96
44) Trichloroethene	7.21	130	65925	44.876	ug/l	96
45) 1,2-Dichloropropane	7.52	63	57349	40.845	ug/l	99
46) Dibromomethane	7.66	93	35908	40.756	ug/l	97
47) Bromodichloromethane	7.90	83	67593	40.594	ug/l	99
48) Methyl methacrylate	7.77	41	70426	41.481	ug/l	97
49) 1,4-Dioxane	7.75	88	30184	825.045	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	493948	207.281	ug/l	97
52) Toluene	8.79	92	128193	39.651	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	75036	38.187	ug/l	100
54) cis-1,3-Dichloropropene	8.44	75	82175	41.030	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	54813	38.041	ug/l	97
56) Ethyl methacrylate	9.18	69	83211	38.597	ug/l	96
57) 1,3-Dichloropropane	9.37	76	91774	37.901	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	243686	208.843	ug/l	99
59) 2-Hexanone	9.50	43	388636	185.021	ug/l	97
60) Dibromochloromethane	9.59	129	54209	34.812	ug/l	99
61) 1,2-Dibromoethane	9.67	107	56750	35.618	ug/l	99
64) Tetrachloroethene	9.34	164	56503	41.569	ug/l	98
65) Chlorobenzene	10.14	112	148097	46.305	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	51858	46.639	ug/l	99
67) Ethyl Benzene	10.25	91	251381	49.016	ug/l	99
68) m/p-Xylenes	10.36	106	193903	99.121	ug/l	99
69) o-Xylene	10.70	106	94233	53.720	ug/l	100
70) Styrene	10.71	104	160443	55.446	ug/l	99
71) Bromoform	10.86	173	45259	48.556	ug/l #	99
73) Isopropylbenzene	11.02	105	260956	49.987	ug/l	99
74) N-amyl acetate	10.90	43	120561	41.380	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	91020	47.502	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	108358	58.949	ug/l	84
77) Bromobenzene	11.26	156	69217	47.041	ug/l	99
78) n-propylbenzene	11.36	91	300481	48.839	ug/l	99
79) 2-Chlorotoluene	11.42	91	177870	47.830	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	220599	49.726	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	26520	45.982	ug/l	96
82) 4-Chlorotoluene	11.51	91	210166	47.954	ug/l	99
83) tert-Butylbenzene	11.77	119	219380	48.881	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	230398	47.053	ug/l	100
85) sec-Butylbenzene	11.94	105	266861	48.624	ug/l	99
86) p-Isopropyltoluene	12.07	119	242545	49.892	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	129988	46.031	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	132401	45.800	ug/l	100
89) n-Butylbenzene	12.39	91	216316	48.011	ug/l	100
90) Hexachloroethane	12.60	117	34870	42.963	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	130749	46.219	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	21476	45.930	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	101583	51.009	ug/l	99
94) Hexachlorobutadiene	13.79	225	47578	45.481	ug/l	98
95) Naphthalene	13.83	128	316289	48.730	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	103278	50.904	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006103.D

Acq: 19 Nov 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

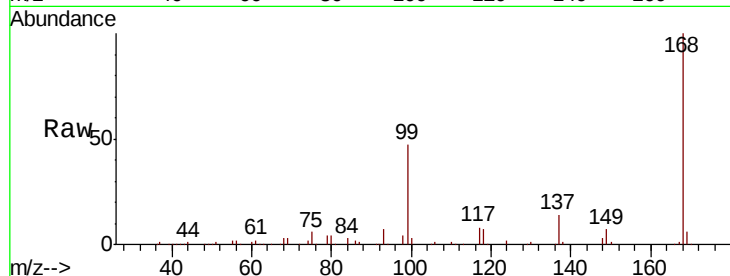
VSTDCCC050EC

Tot Ion:168 Resp: 140367

Ion Ratio Lower Upper

168 100

99 46.6 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

60000

50000

40000

30000

20000

10000

0

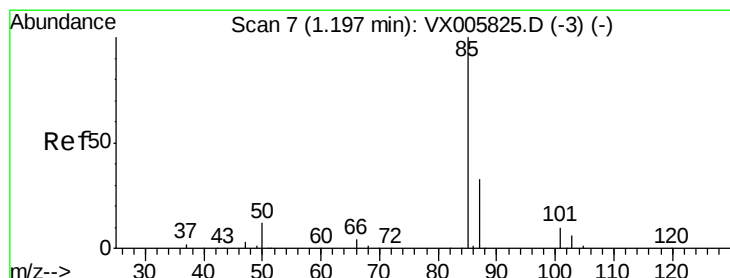
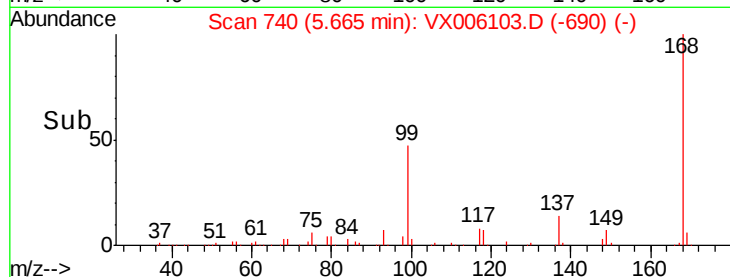
Time-->

5.50

5.60

5.70

5.80



#2

Dichlorodifluoromethane

Concen: 35.479 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX006103.D

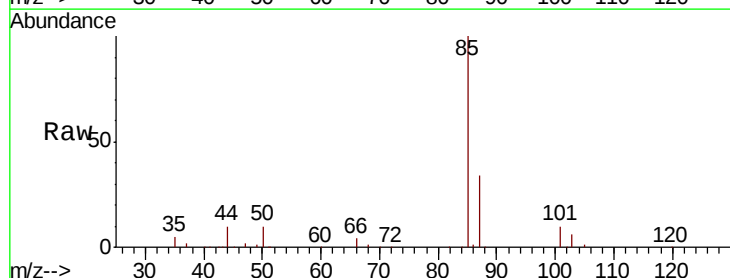
Acq: 19 Nov 2018 20:33

Tgt Ion: 85 Resp: 44901

Ion Ratio Lower Upper

85 100

87 34.1 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

50000

40000

30000

20000

10000

0

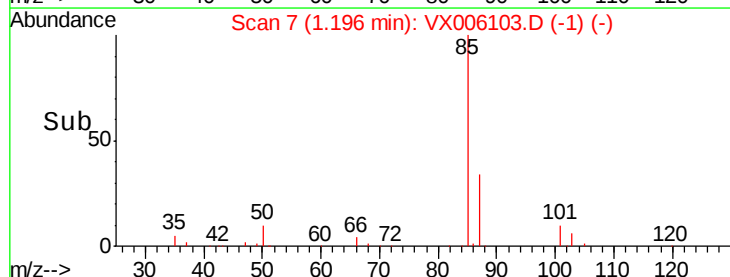
Time-->

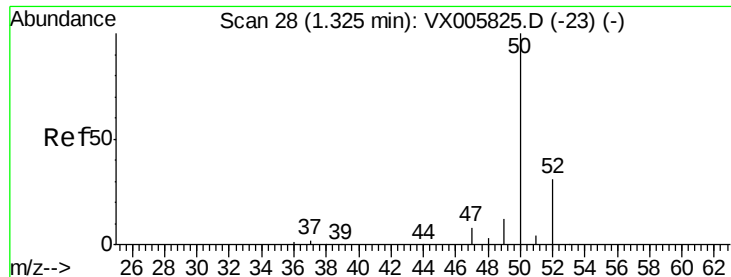
1.15

1.20

1.25

1.30





#3

Chloromethane

Concen: 36.266 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX006103.D

Acq: 19 Nov 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

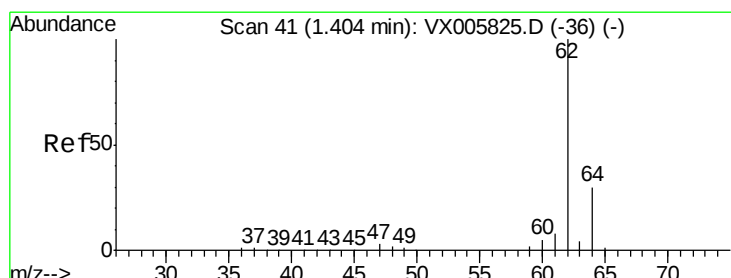
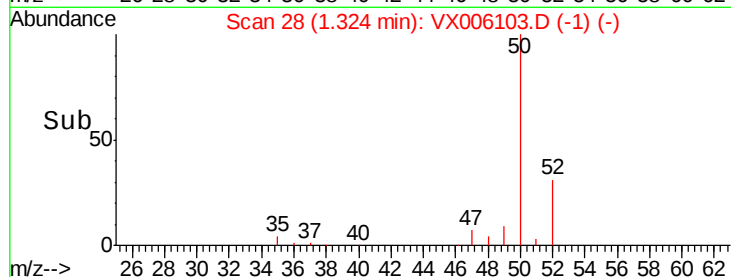
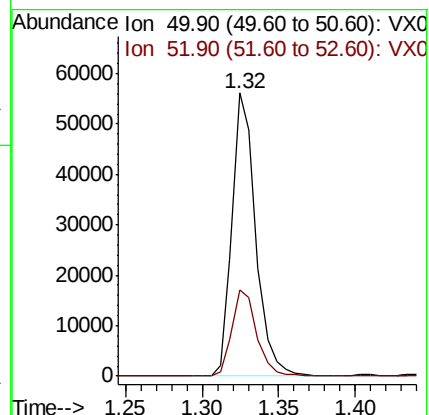
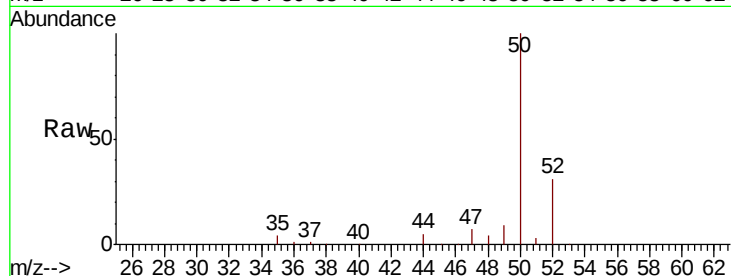
VSTDCCC050EC

Tot Ion: 50 Resp: 60235

Ion Ratio Lower Upper

50 100

52 30.6 26.2 39.2



#4

Vinyl Chloride

Concen: 35.004 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX006103.D

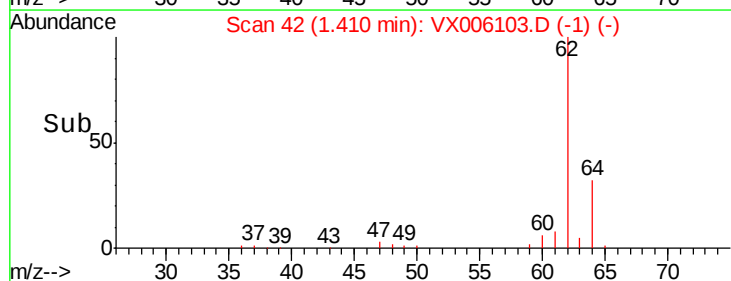
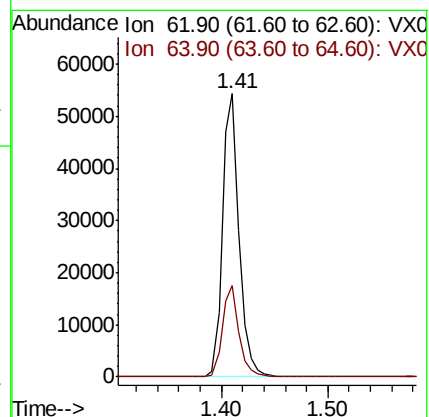
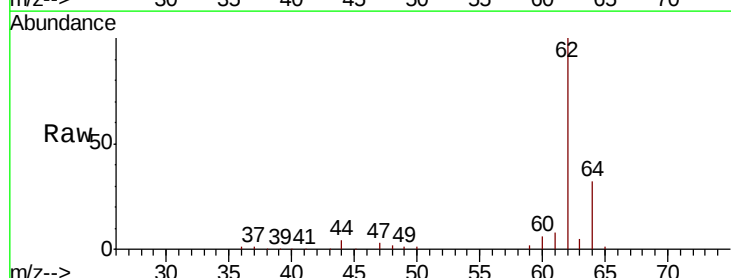
Acq: 19 Nov 2018 20:33

Tgt Ion: 62 Resp: 58364

Ion Ratio Lower Upper

62 100

64 32.2 25.3 37.9





#5

Bromomethane

Concen: 40.369 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX006103.D

Acq: 19 Nov 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

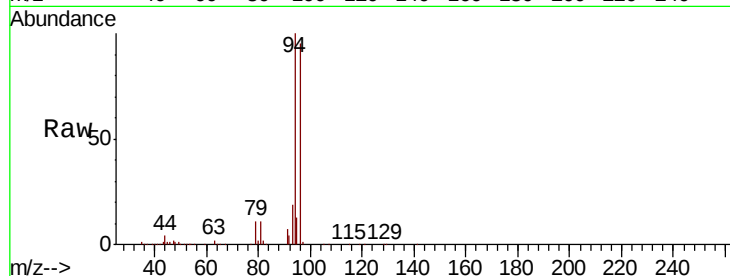
VSTDCCC050EC

Tot Ion: 94 Resp: 41191

Ion Ratio Lower Upper

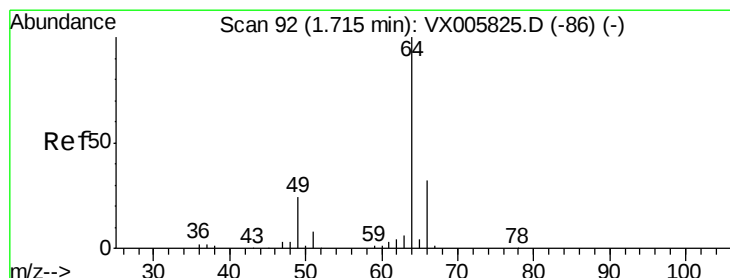
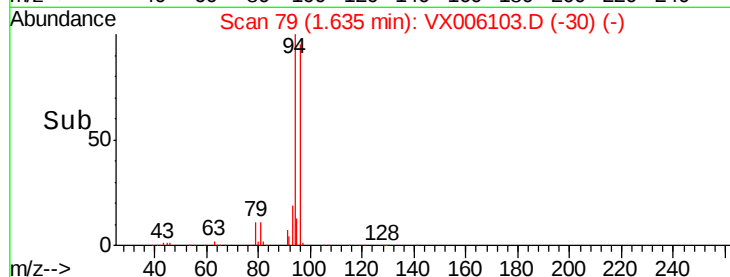
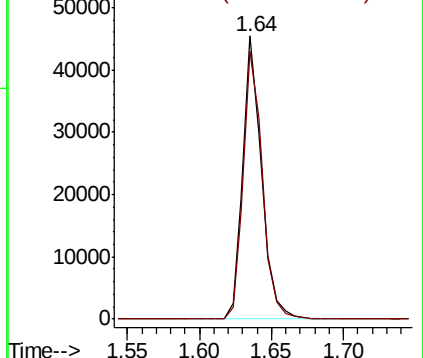
94 100

96 94.8 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: 43.124 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX006103.D

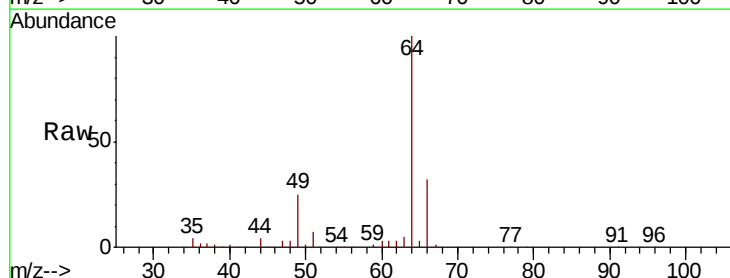
Acq: 19 Nov 2018 20:33

Tgt Ion: 64 Resp: 42903

Ion Ratio Lower Upper

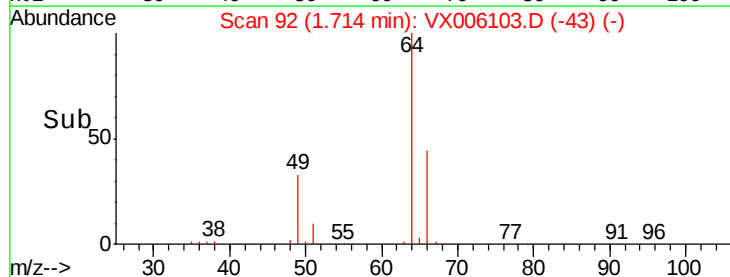
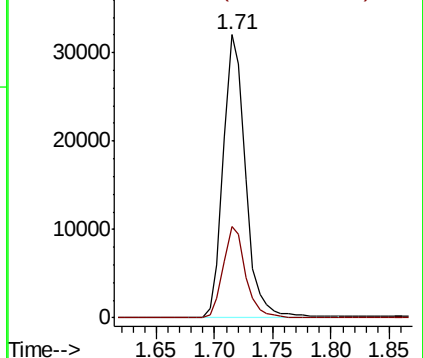
64 100

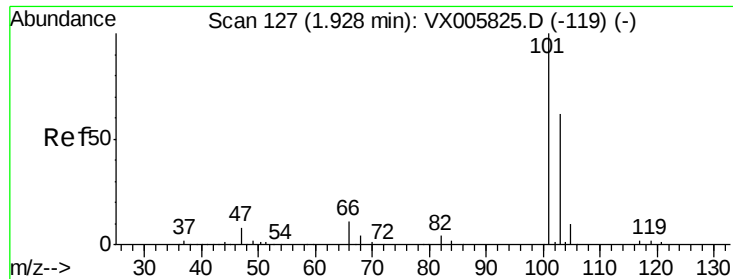
66 32.2 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



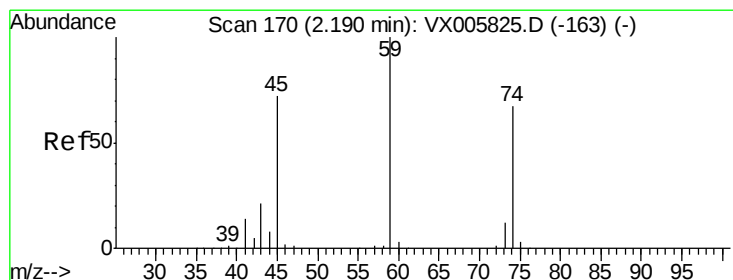
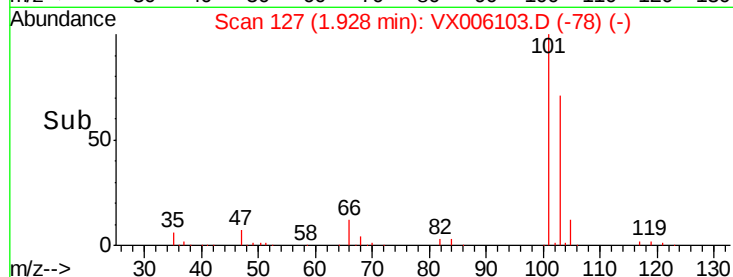
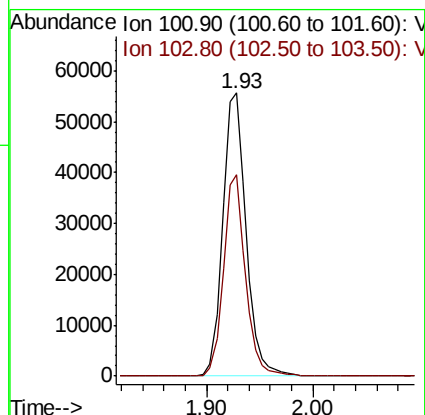
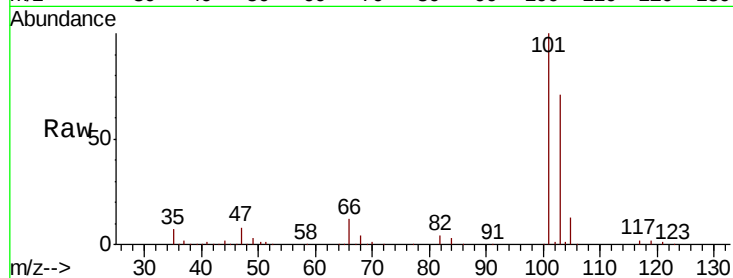


#7

Trichlorofluoromethane
 Concen: 38.402 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. -0.00 min
 Lab File: VX006103.D
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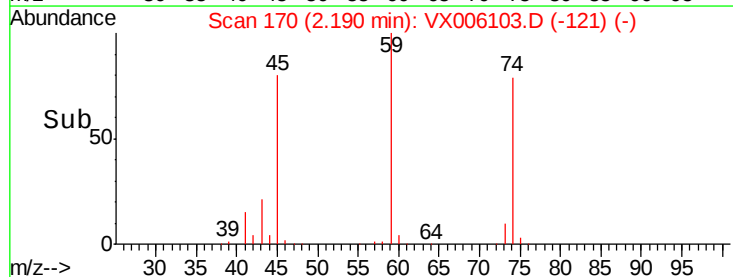
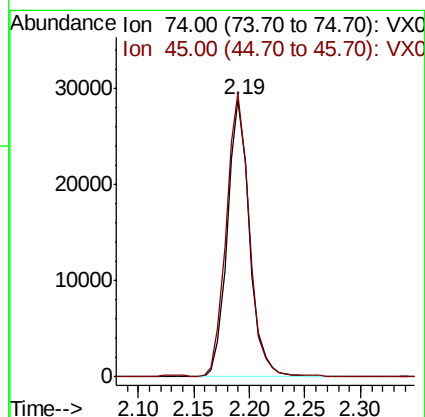
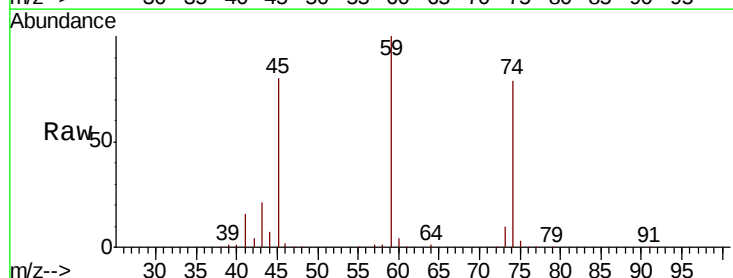
Tot Ion:101 Resp: 84993
 Ion Ratio Lower Upper
 101 100
 103 71.0 50.0 75.0

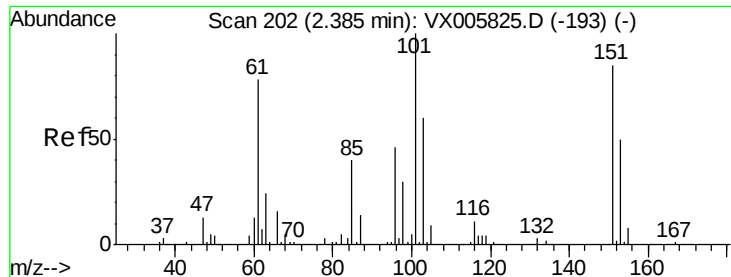


#8

Diethyl Ether
 Concen: 46.036 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX006103.D
 Acq: 19 Nov 2018 20:33

Tgt Ion: 74 Resp: 39924
 Ion Ratio Lower Upper
 74 100
 45 106.7 54.1 162.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 42.922 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX006103.D

Acq: 19 Nov 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

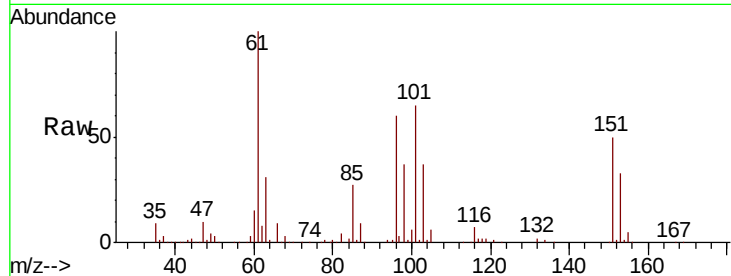
Tot Ion:101 Resp: 54636

Ion Ratio Lower Upper

101 100

85 42.3 35.0 52.4

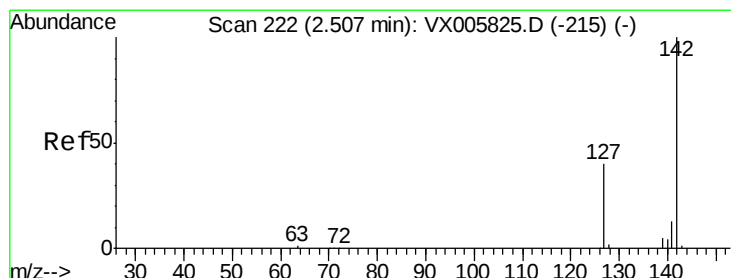
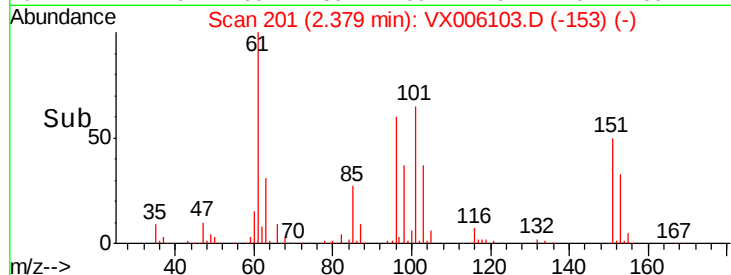
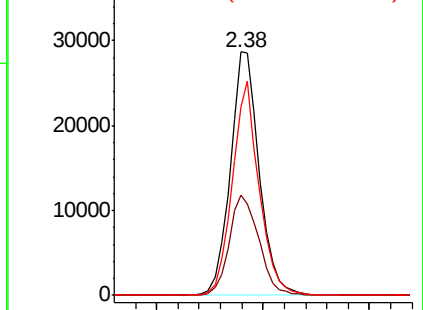
151 81.5 66.2 99.2



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: 46.113 ug/l

RT: 2.51 min Scan# 222

Delta R.T. -0.00 min

Lab File: VX006103.D

Acq: 19 Nov 2018 20:33

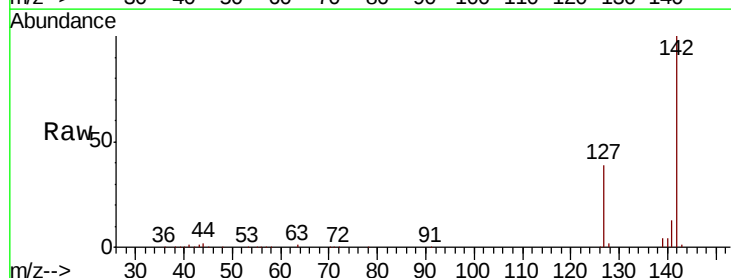
Tgt Ion:142 Resp: 71140

Ion Ratio Lower Upper

142 100

127 41.4 36.0 54.0

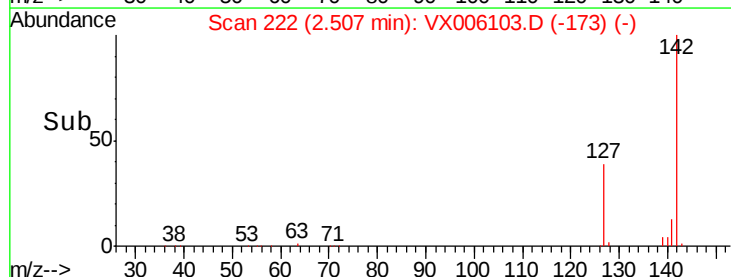
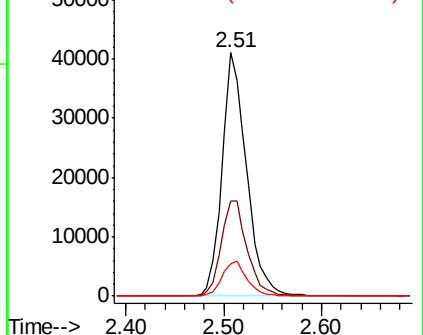
141 14.6 11.7 17.5

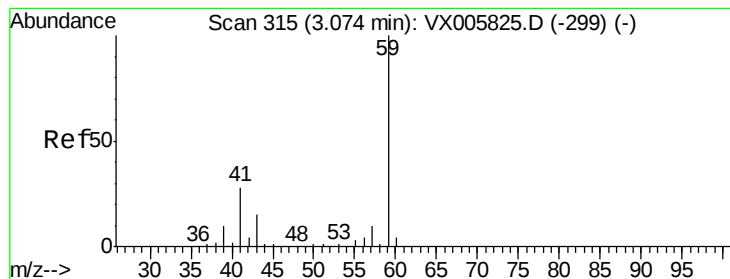


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



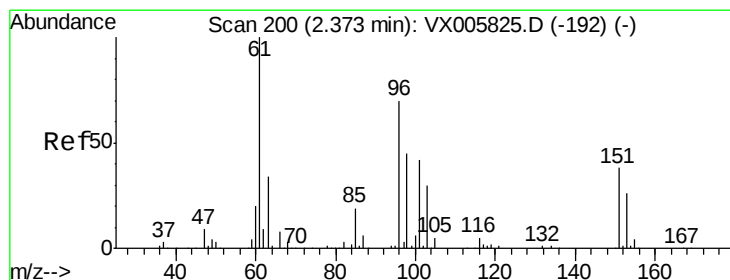
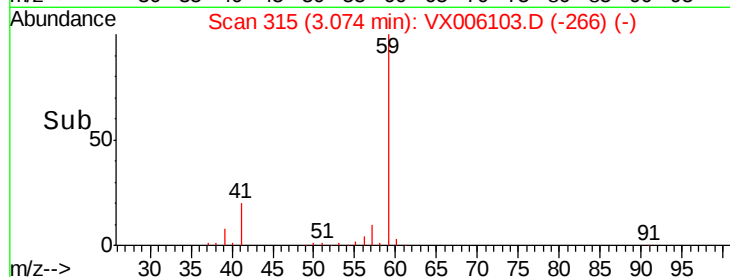
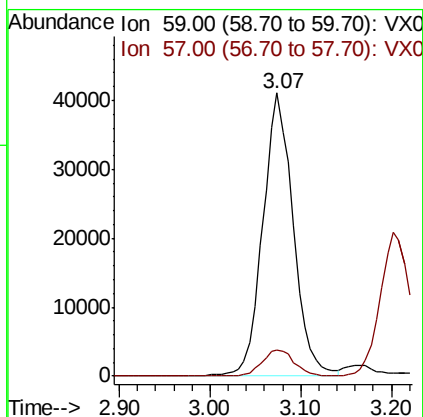
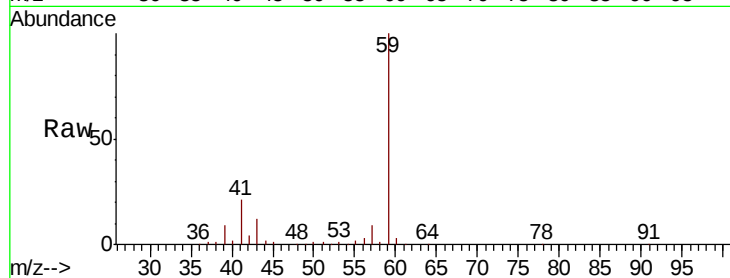


#11

Tert butyl alcohol
 Concen: 206.810 ug/l
 RT: 3.07 min Scan# 315
 Delta R.T. -0.00 min
 Lab File: VX006103.D
 Acq: 19 Nov 2018 20:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

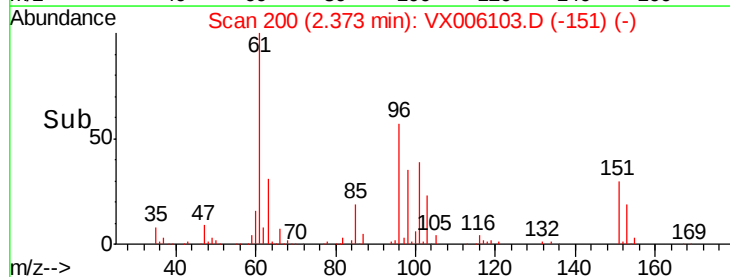
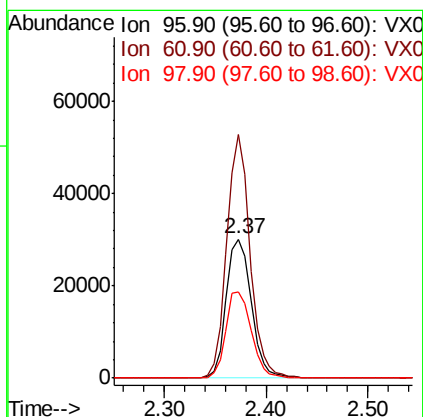
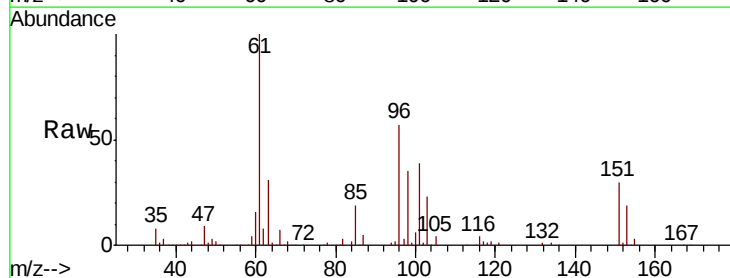
Tot Ion: 59 Resp: 95602
 Ion Ratio Lower Upper
 59 100
 57 10.0 8.5 12.7

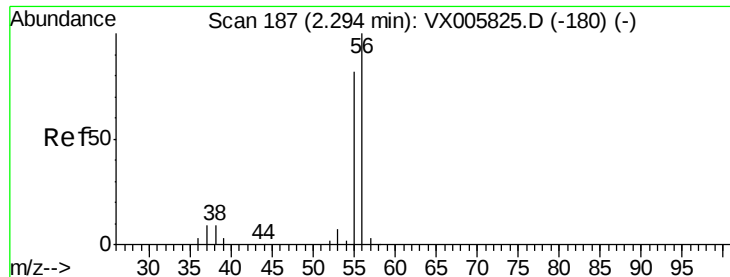


#12

1,1-Dichloroethene
 Concen: 41.326 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. -0.00 min
 Lab File: VX006103.D
 Acq: 19 Nov 2018 20:33

Tgt Ion: 96 Resp: 51273
 Ion Ratio Lower Upper
 96 100
 61 175.6 131.8 197.8
 98 62.1 53.4 80.2

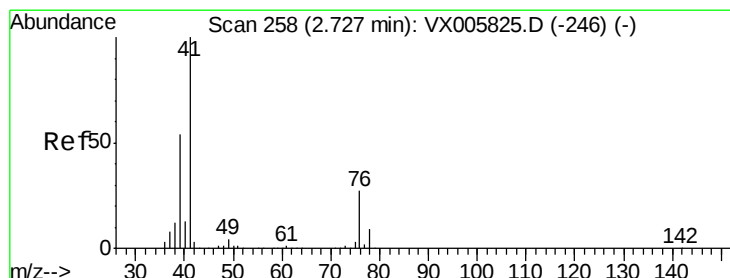
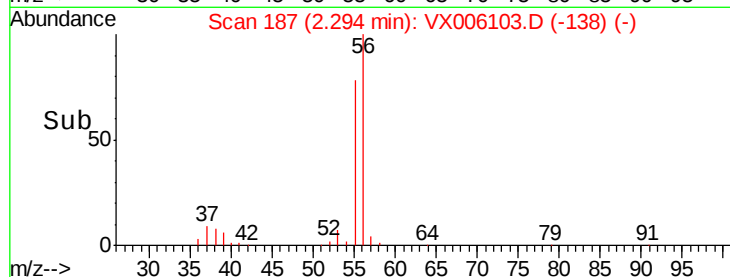
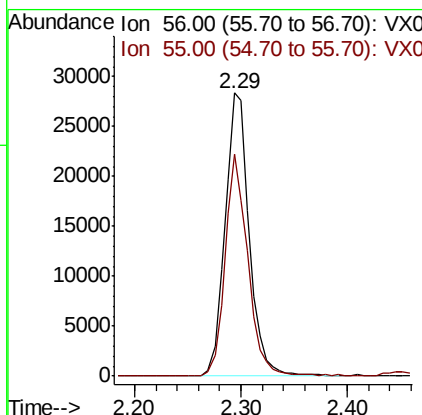
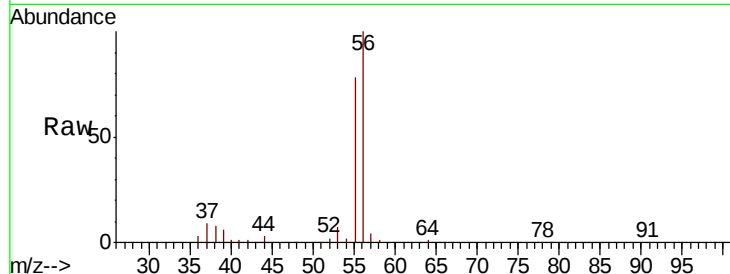




#13
Acrolein
Concen: 208.315 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX006103.D
Acq: 19 Nov 2018 20:33

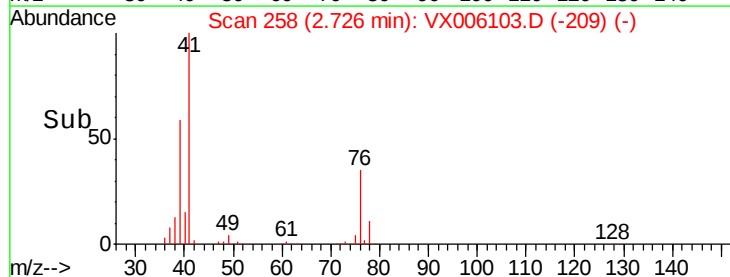
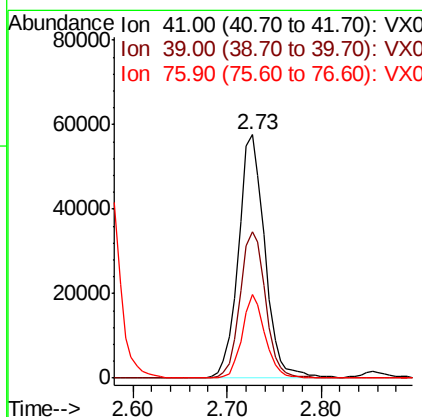
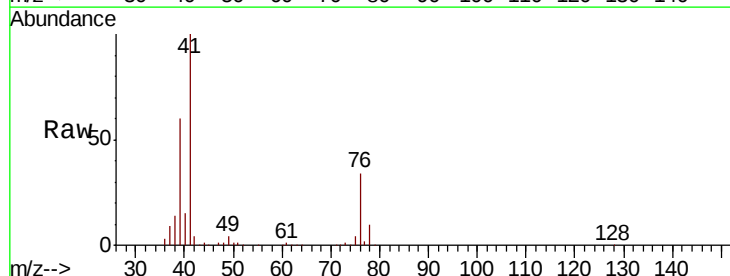
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

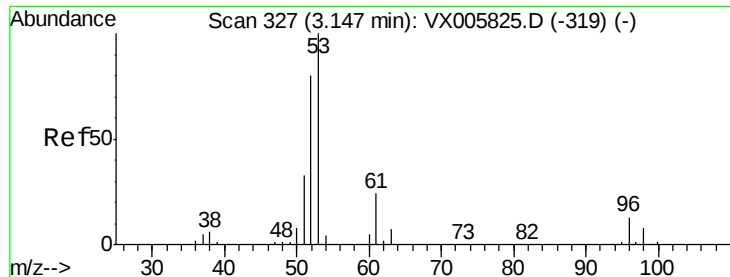
Tot Ion: 56 Resp: 45153
Ion Ratio Lower Upper
56 100
55 74.1 57.3 85.9



#14
Allyl chloride
Concen: 40.317 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX006103.D
Acq: 19 Nov 2018 20:33

Tgt Ion: 41 Resp: 111716
Ion Ratio Lower Upper
41 100
39 58.0 48.2 72.4
76 30.0 21.9 32.9

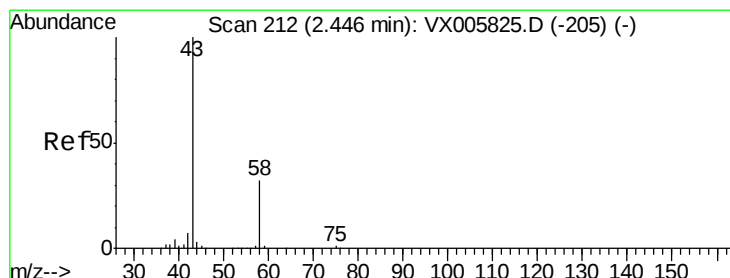
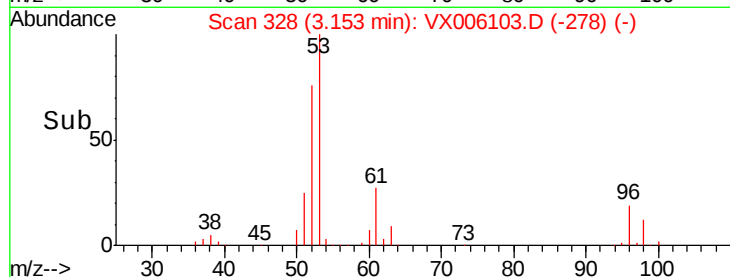
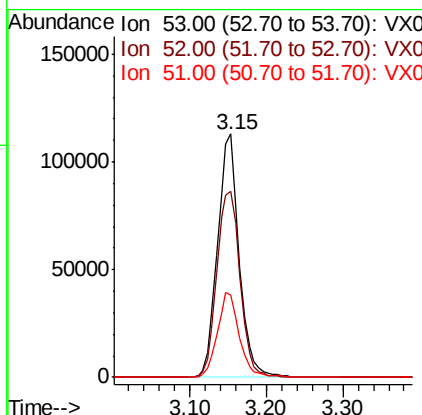
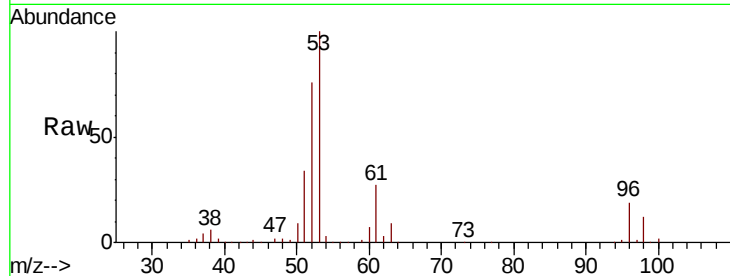




#15
 Acrylonitrile
 Concen: 228.552 ug/l
 RT: 3.15 min Scan# 328
 Delta R.T. 0.01 min
 Lab File: VX006103.D
 Acq: 19 Nov 2018 20:33

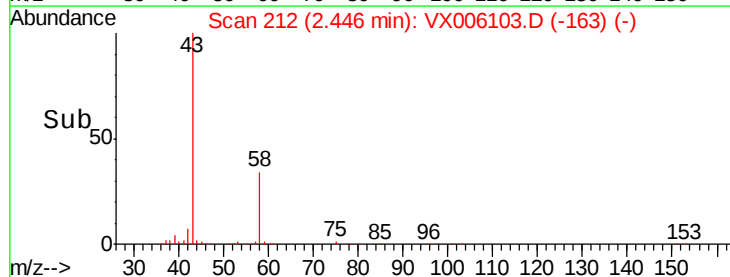
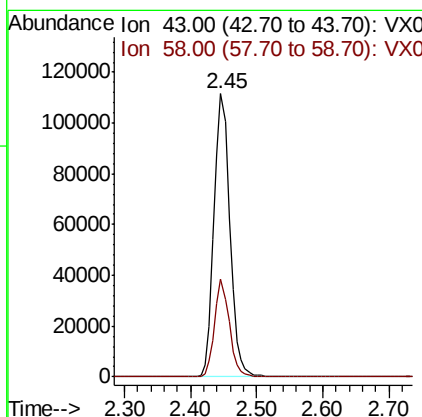
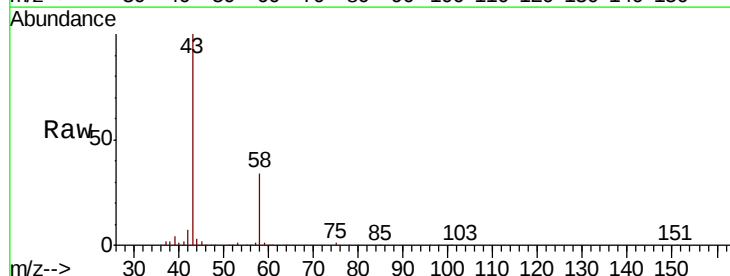
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

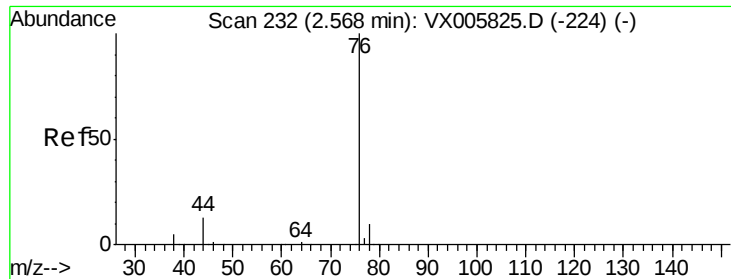
Tot Ion: 53 Resp: 218952
 Ion Ratio Lower Upper
 53 100
 52 82.9 66.6 99.8
 51 35.2 28.4 42.6



#16
 Acetone
 Concen: 212.205 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VX006103.D
 Acq: 19 Nov 2018 20:33

Tgt Ion: 43 Resp: 184376
 Ion Ratio Lower Upper
 43 100
 58 34.5 23.8 35.6

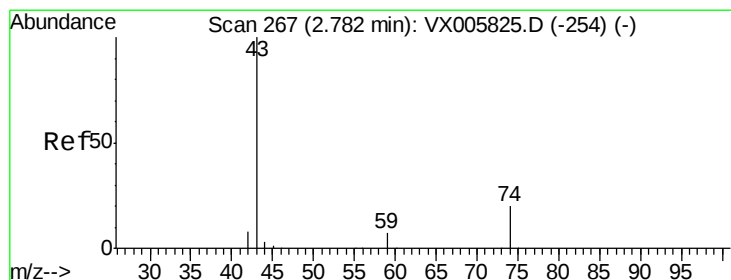
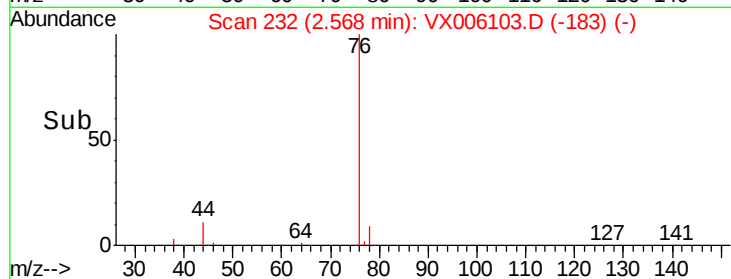
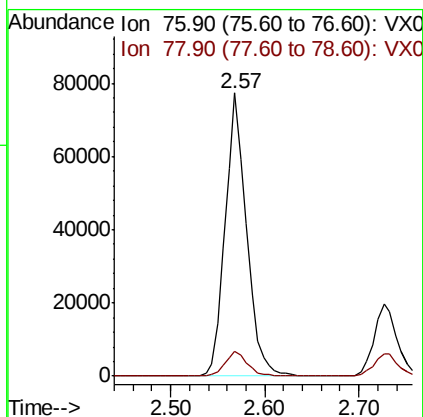
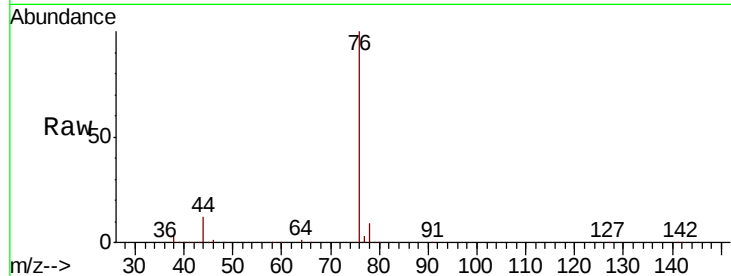




#17
Carbon Disulfide
Concen: 32.851 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX006103.D
Acq: 19 Nov 2018 20:33

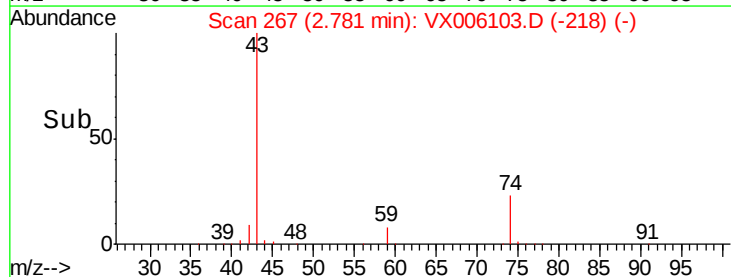
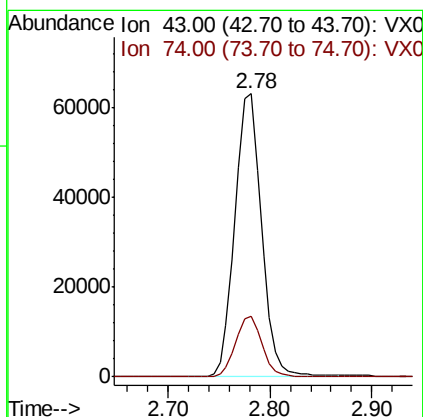
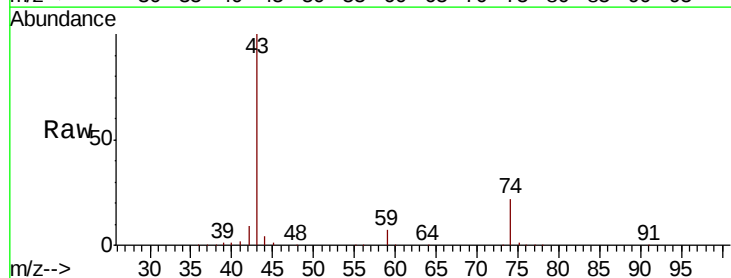
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

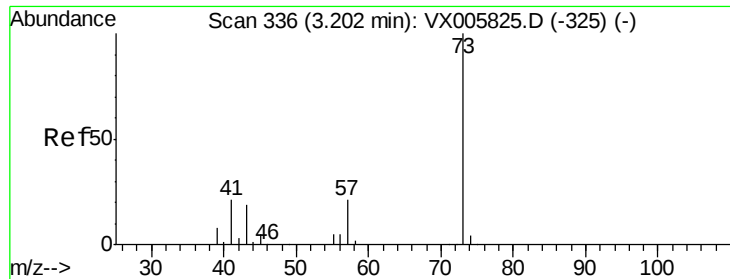
Tot Ion: 76 Resp: 121574
Ion Ratio Lower Upper
76 100
78 8.7 7.3 10.9



#18
Methyl Acetate
Concen: 48.820 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX006103.D
Acq: 19 Nov 2018 20:33

Tgt Ion: 43 Resp: 113756
Ion Ratio Lower Upper
43 100
74 21.3 16.8 25.2

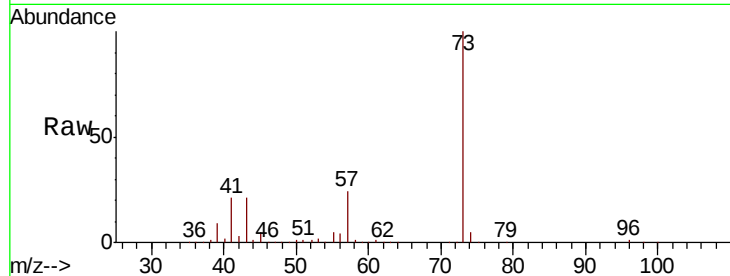




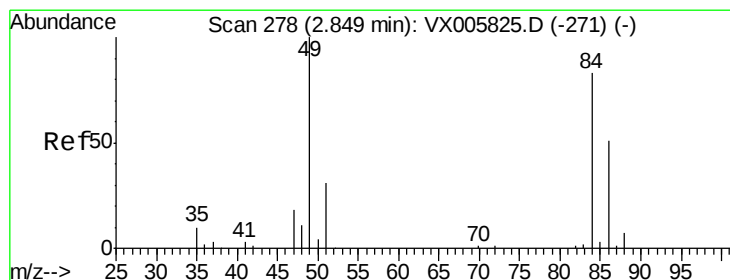
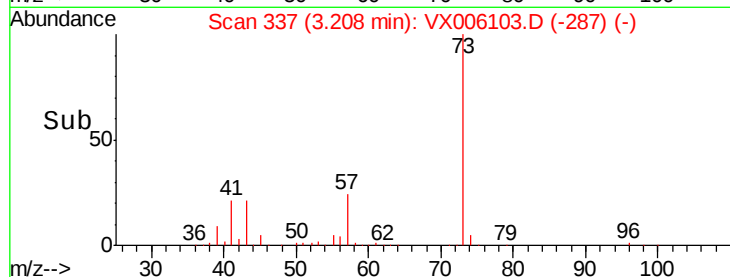
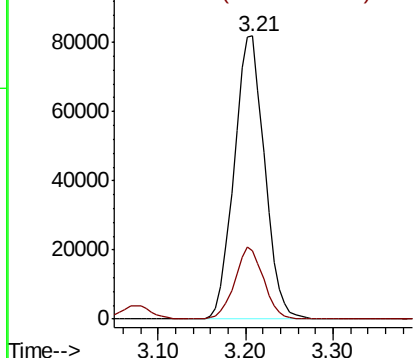
#19
Methyl tert-butyl Ether
Concen: 46.831 ug/l
RT: 3.21 min Scan# 337
Delta R.T. 0.01 min
Lab File: VX006103.D
Acq: 19 Nov 2018 20:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 198307
Ion Ratio Lower Upper
73 100
57 24.2 18.8 28.2

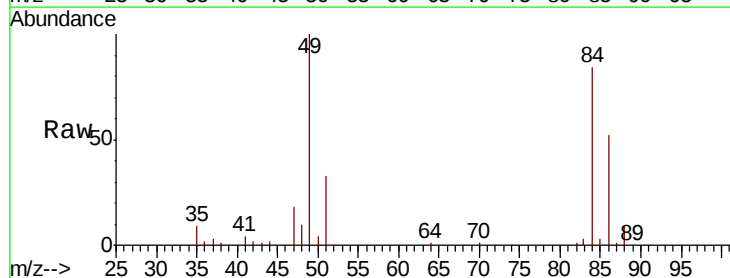


Abundance Ion 73.00 (72.70 to 73.70): VX0
Ion 57.00 (56.70 to 57.70): VX0

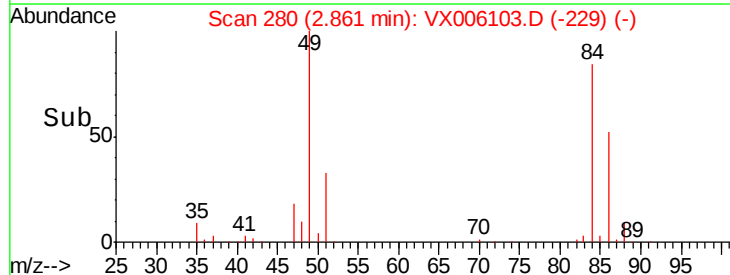
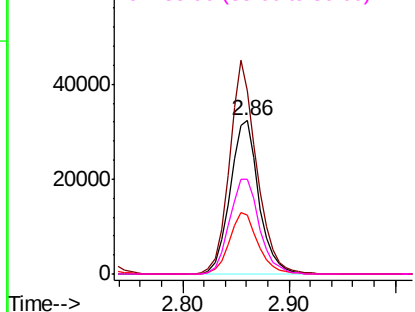


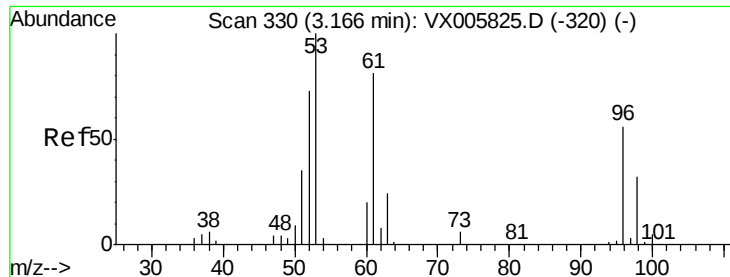
#20
Methylene Chloride
Concen: 42.868 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX006103.D
Acq: 19 Nov 2018 20:33

Tgt Ion: 84 Resp: 61182
Ion Ratio Lower Upper
84 100
49 119.1 109.5 164.3
51 38.9 33.3 49.9
86 61.6 52.7 79.1



Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0





#21

trans-1,2-Dichloroethene

Concen: 42.372 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX006103.D

Acq: 19 Nov 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

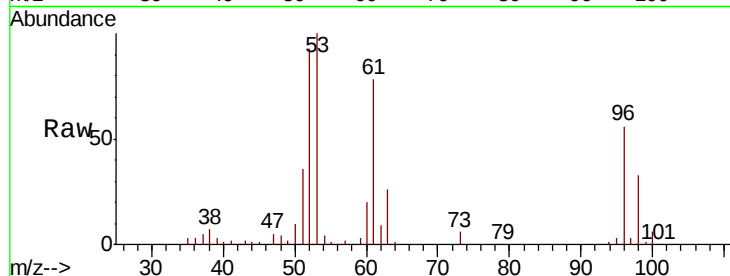
Tot Ion: 96 Resp: 55449

Ion Ratio Lower Upper

96 100

61 140.1 115.6 173.4

98 58.7 50.2 75.2

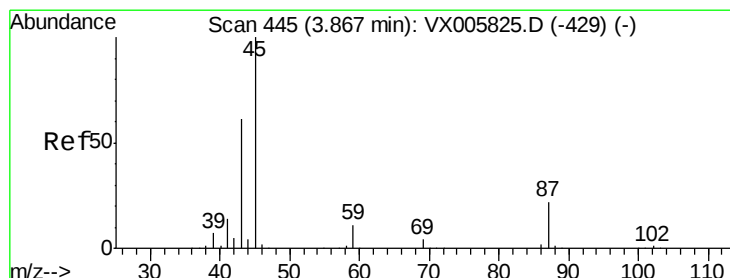
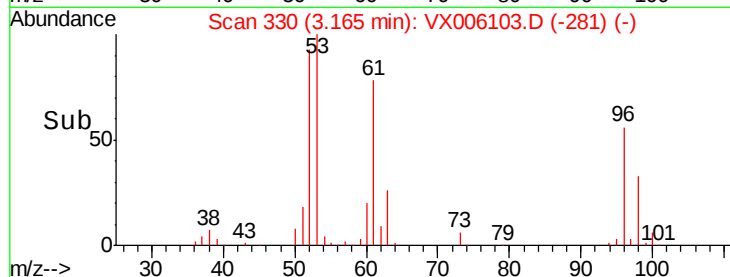
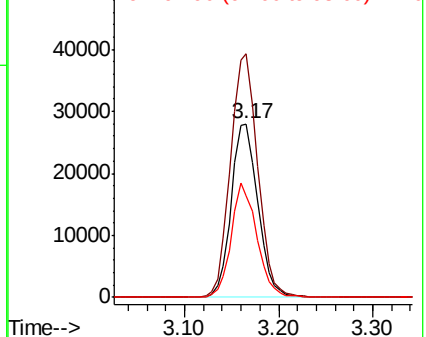


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 44.112 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.01 min

Lab File: VX006103.D

Acq: 19 Nov 2018 20:33

Tgt Ion: 45 Resp: 214124

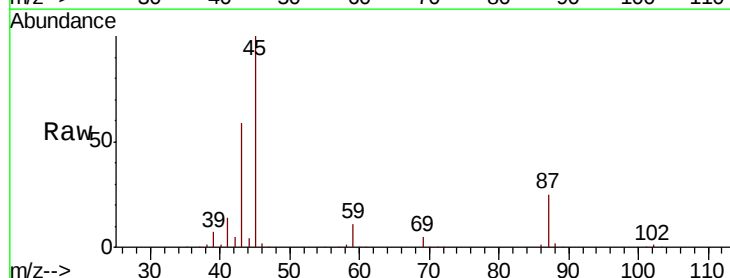
Ion Ratio Lower Upper

45 100

43 59.0 47.4 71.2

87 25.0 15.9 23.9#

59 10.9 7.7 11.5



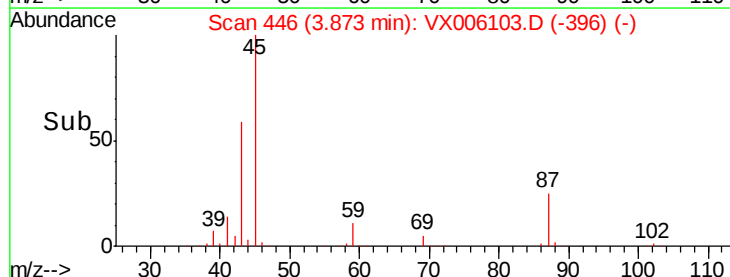
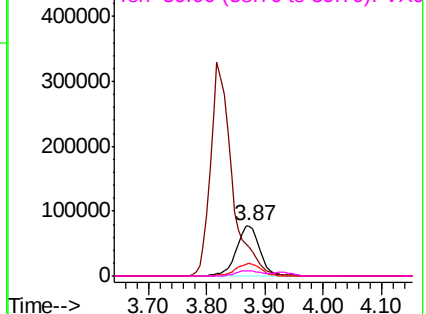
Abundance

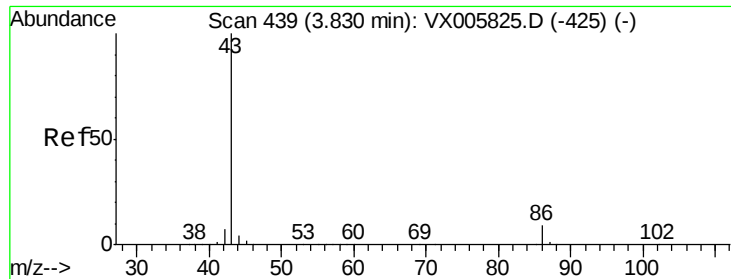
Ion 45.00 (44.70 to 45.70): VX0

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: 203.677 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.01 min

Lab File: VX006103.D

Acq: 19 Nov 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

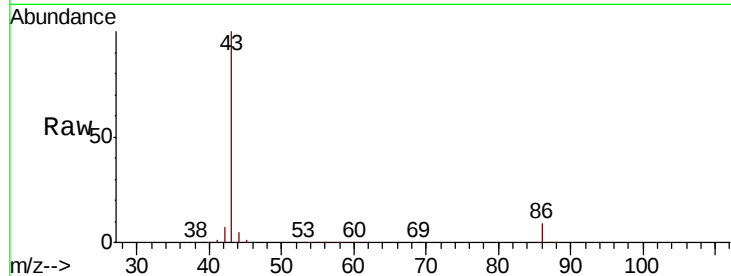
VSTDCCC050EC

Tot Ion: 43 Resp: 847699

Ion Ratio Lower Upper

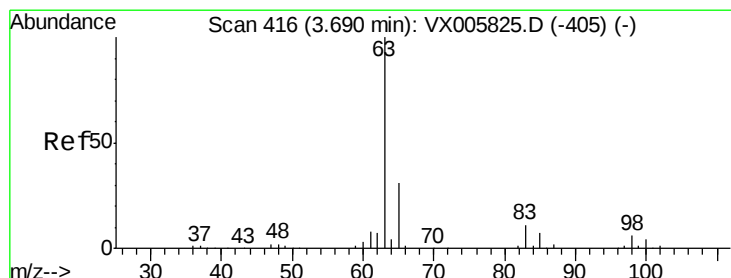
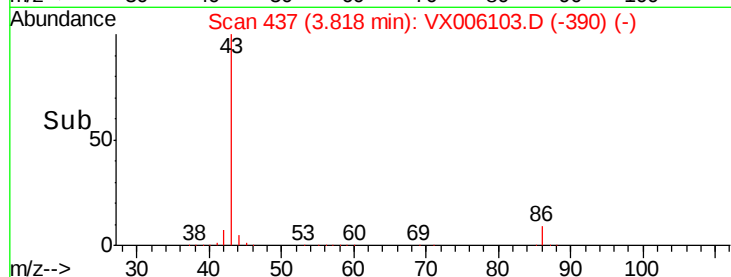
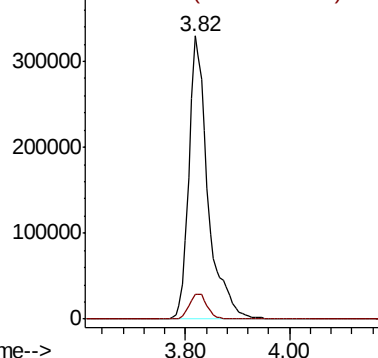
43 100

86 8.6 7.4 11.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 43.469 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX006103.D

Acq: 19 Nov 2018 20:33

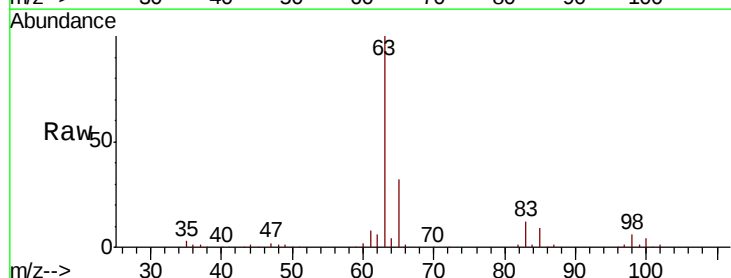
Tgt Ion: 63 Resp: 112573

Ion Ratio Lower Upper

63 100

98 5.8 3.2 9.6

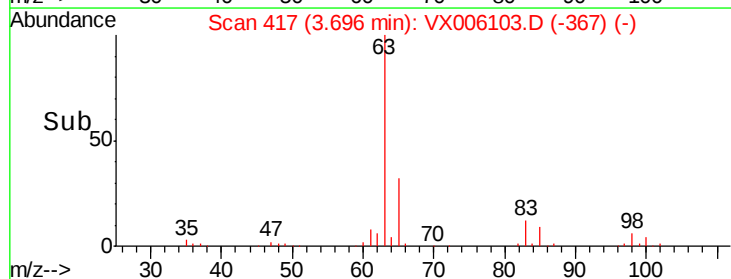
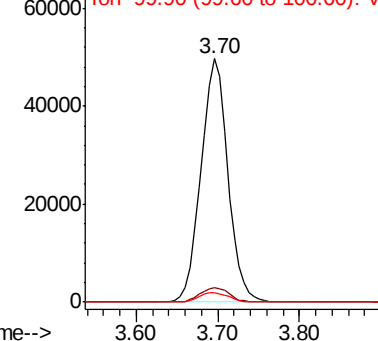
100 3.8 2.1 6.2

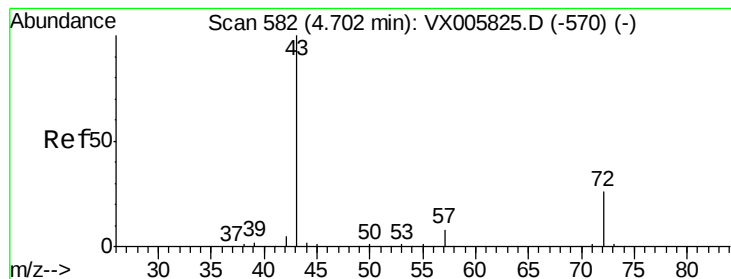


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 221.730 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX006103.D

Acq: 19 Nov 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

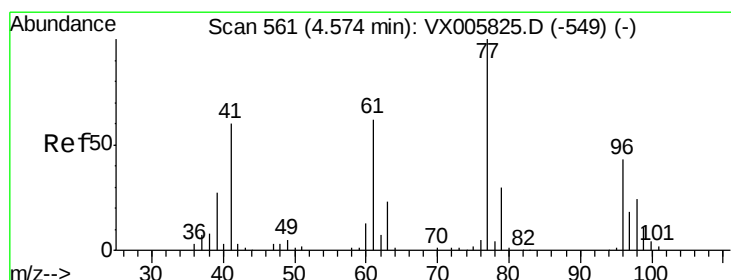
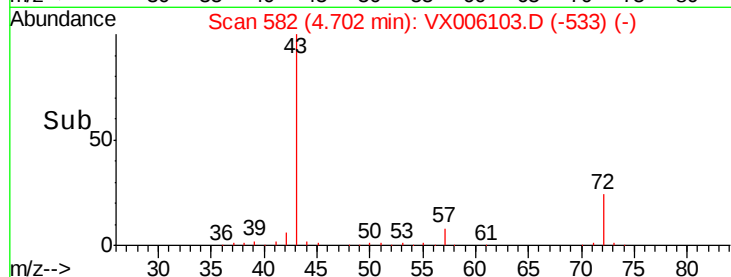
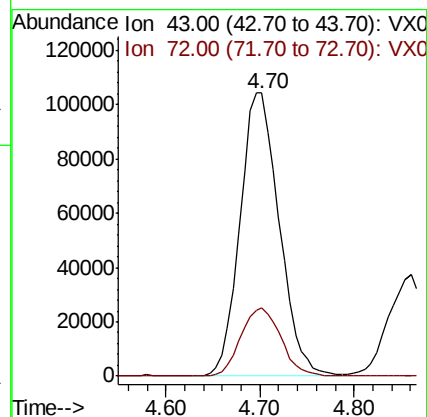
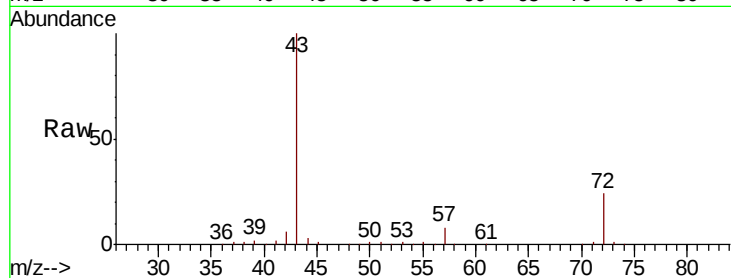
VSTDCCC050EC

Tot Ion: 43 Resp: 302879

Ion Ratio Lower Upper

43 100

72 24.1 19.2 28.8



#26

2,2-Dichloropropane

Concen: 39.622 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX006103.D

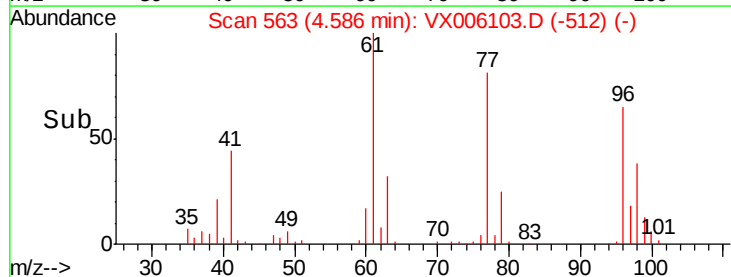
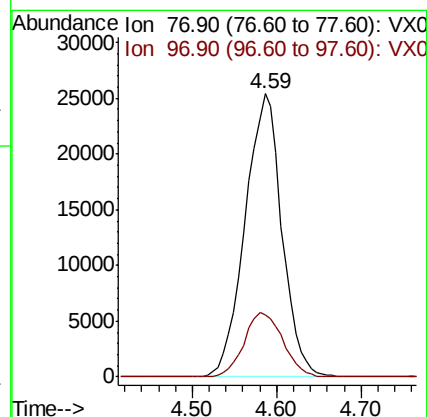
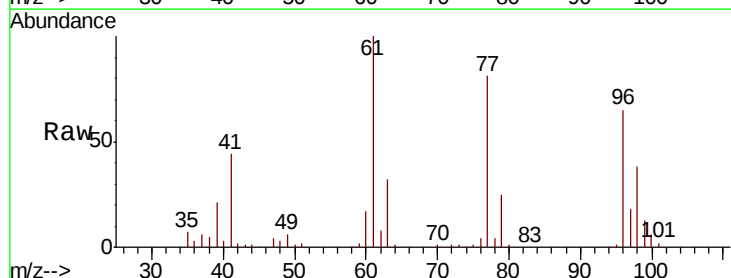
Acq: 19 Nov 2018 20:33

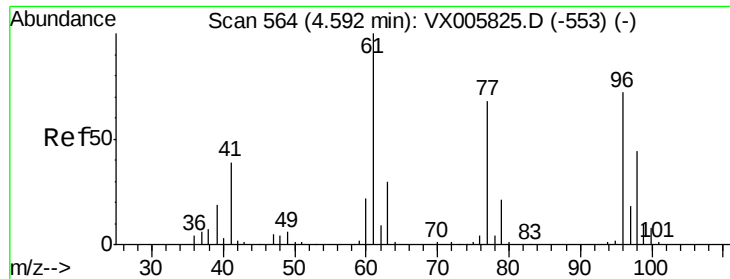
Tgt Ion: 77 Resp: 75271

Ion Ratio Lower Upper

77 100

97 23.8 11.5 34.5



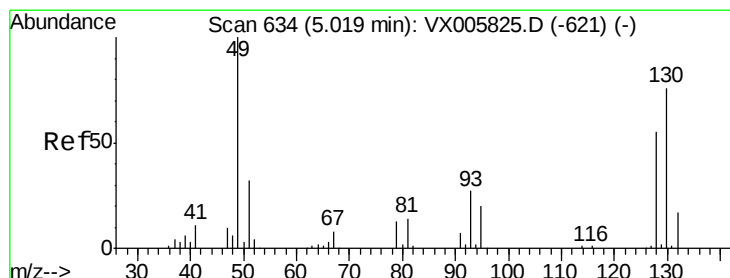
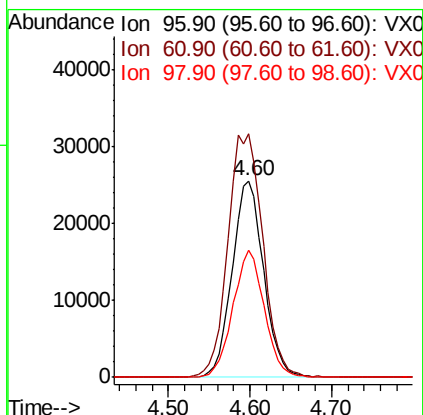
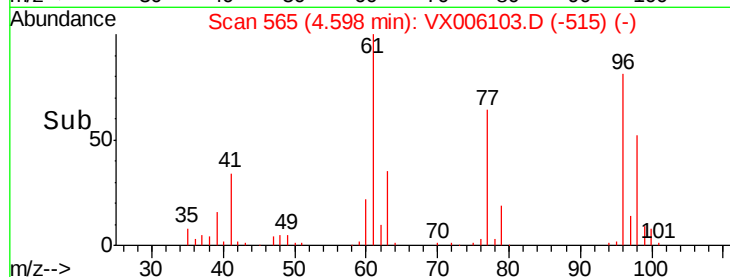
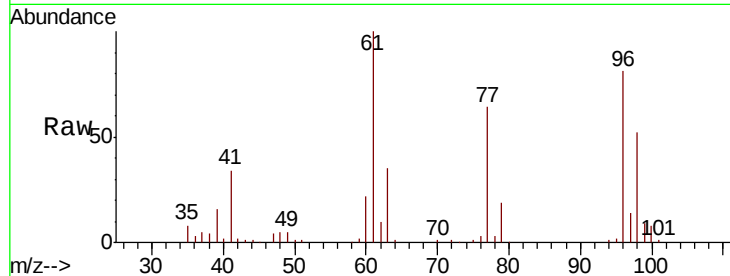


#27

cis-1,2-Dichloroethene
Concen: 47.140 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX006103.D
Acq: 19 Nov 2018 20:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

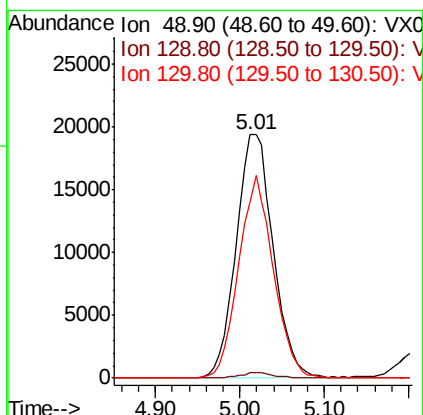
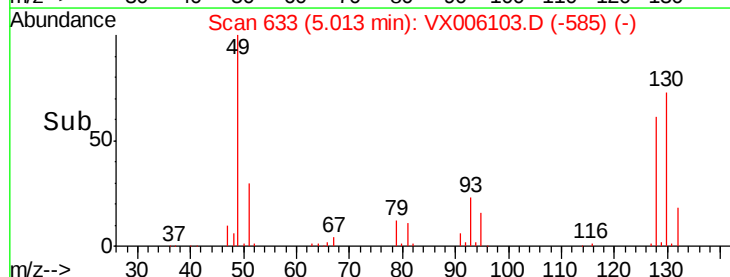
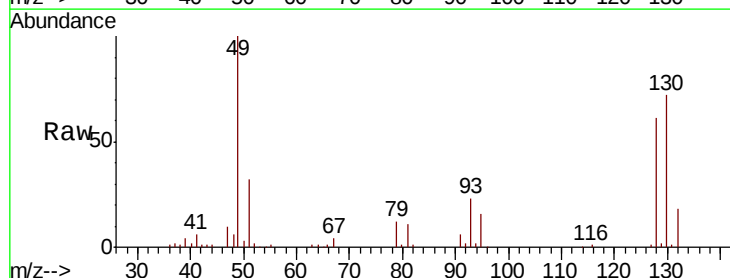
Tot Ion: 96 Resp: 68115
Ion Ratio Lower Upper
96 100
61 137.7 0.0 304.6
98 64.6 0.0 127.4



#28

Bromochloromethane
Concen: 49.967 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX006103.D
Acq: 19 Nov 2018 20:33

Tgt Ion: 49 Resp: 57832
Ion Ratio Lower Upper
49 100
129 2.0 0.0 4.0
130 77.5 58.9 88.3

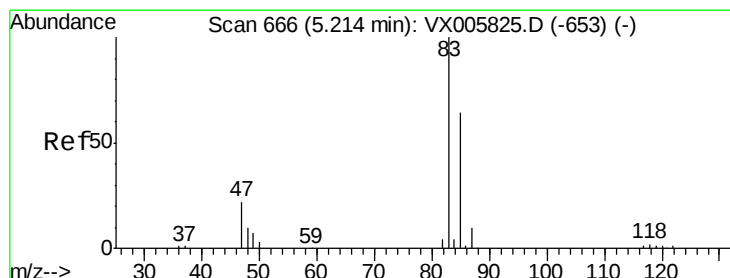
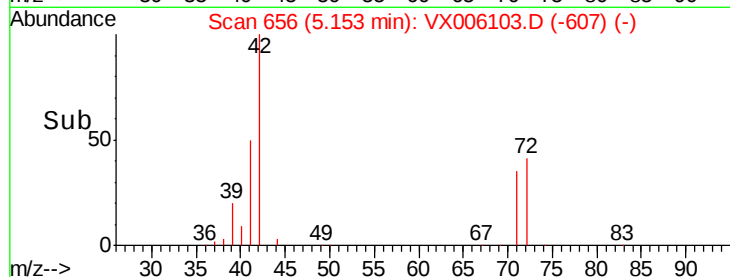
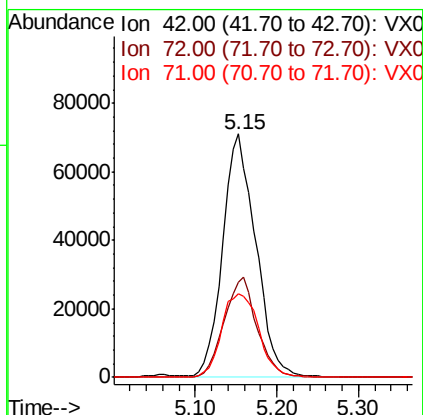
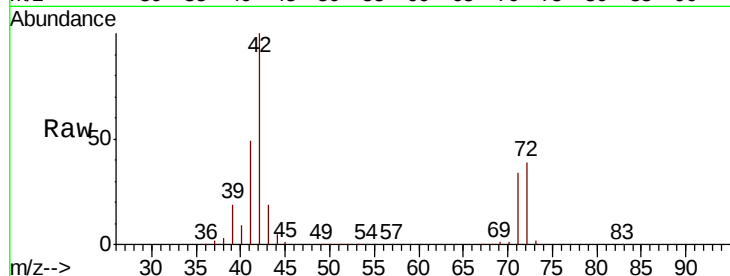




#29
Tetrahydrofuran
Concen: 225.659 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX006103.D
Acq: 19 Nov 2018 20:33

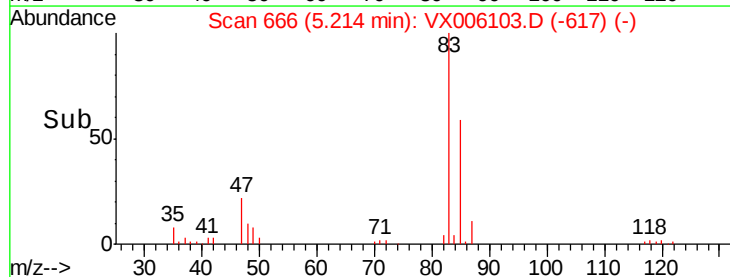
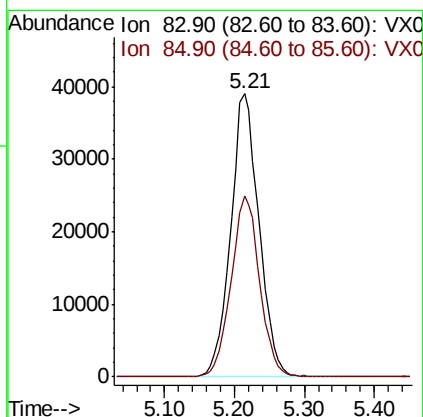
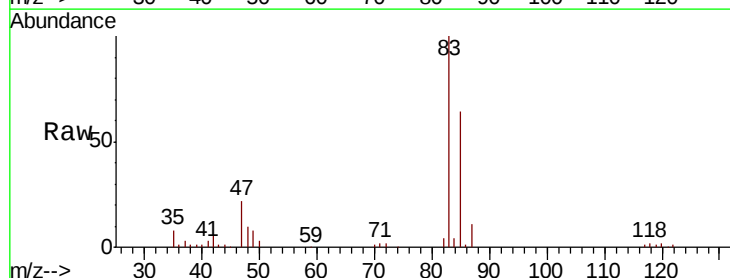
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

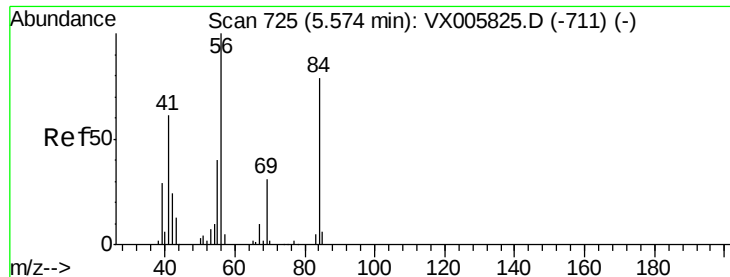
Tot Ion: 42 Resp: 197917
Ion Ratio Lower Upper
42 100
72 41.5 32.0 48.0
71 38.9 29.8 44.8



#30
Chloroform
Concen: 43.823 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX006103.D
Acq: 19 Nov 2018 20:33

Tgt Ion: 83 Resp: 109494
Ion Ratio Lower Upper
83 100
85 63.9 50.6 76.0

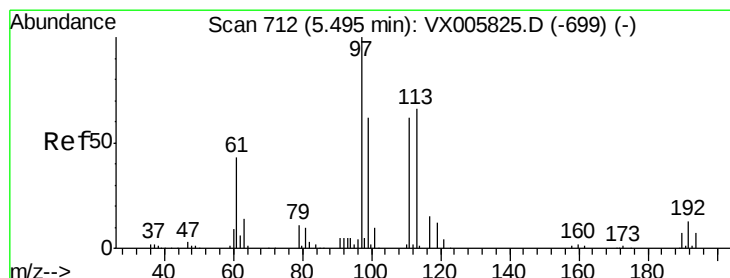
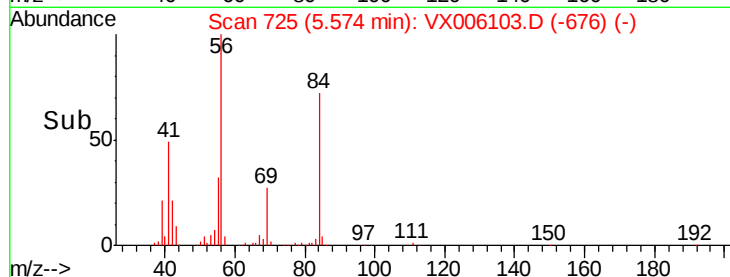
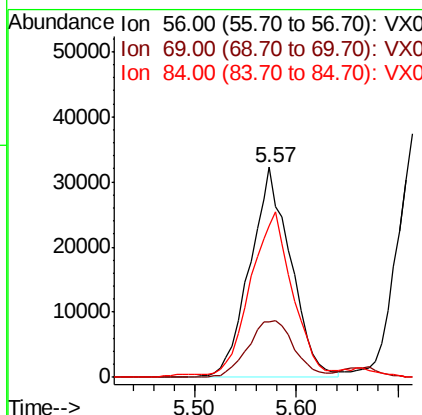
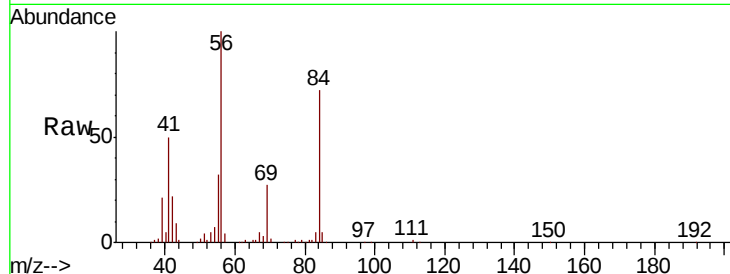




#31
Cyclohexane
Concen: 39.727 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX006103.D
Acq: 19 Nov 2018 20:33

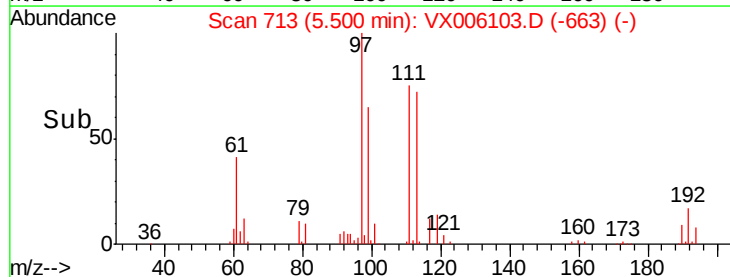
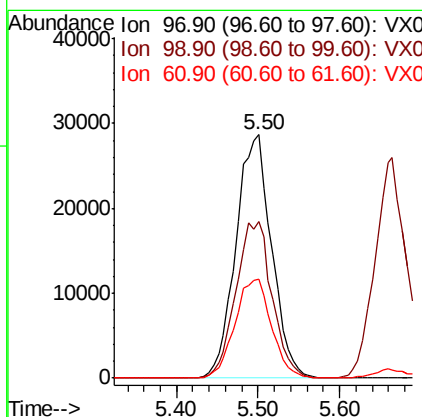
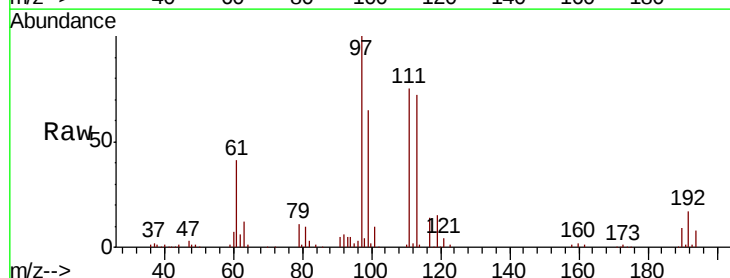
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

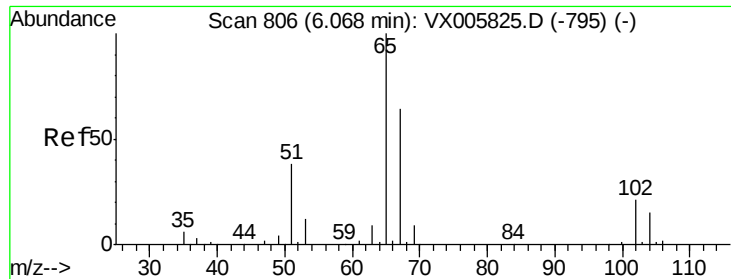
Tot Ion: 56 Resp: 89308
Ion Ratio Lower Upper
56 100
69 26.5 22.6 34.0
84 70.6 62.7 94.1



#32
1,1,1-Trichloroethane
Concen: 41.752 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.01 min
Lab File: VX006103.D
Acq: 19 Nov 2018 20:33

Tgt Ion: 97 Resp: 87013
Ion Ratio Lower Upper
97 100
99 65.3 52.3 78.5
61 41.8 35.2 52.8





#33

1,2-Dichloroethane-d4

Concen: 42.374 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX006103.D

Acq: 19 Nov 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

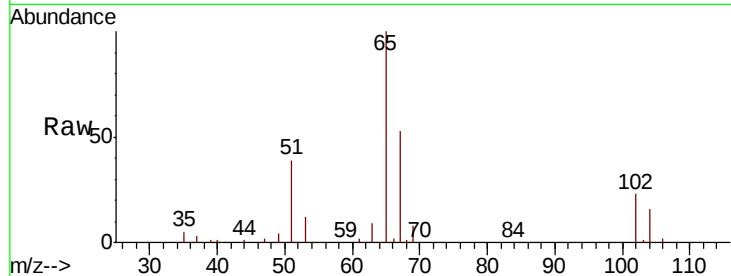
VSTDCCC050EC

Tot Ion: 65 Resp: 68379

Ion Ratio Lower Upper

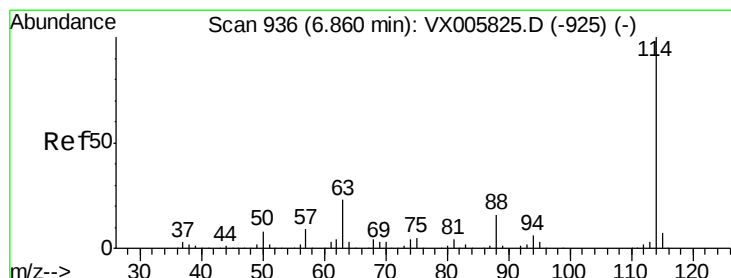
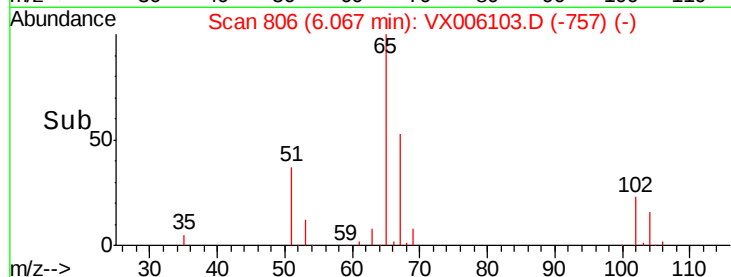
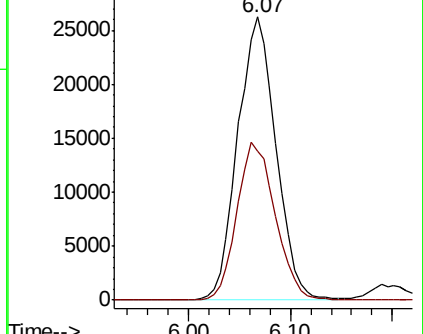
65 100

67 55.8 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX006103.D

Acq: 19 Nov 2018 20:33

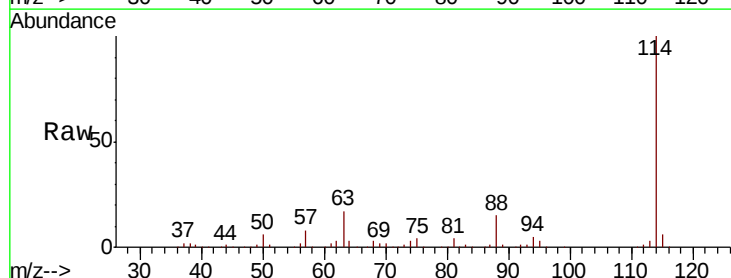
Tgt Ion: 114 Resp: 205837

Ion Ratio Lower Upper

114 100

63 17.0 0.0 42.8

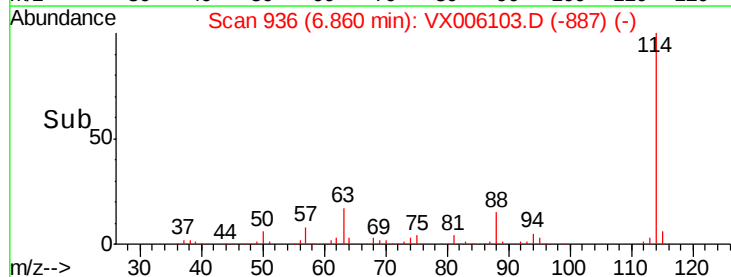
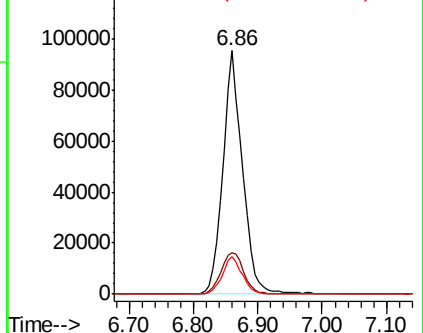
88 15.2 0.0 31.2

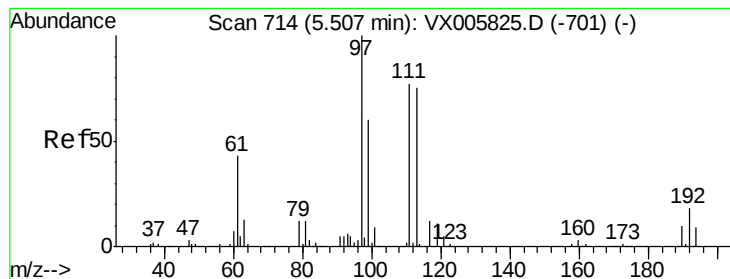


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 42.740 ug/l

RT: 5.51 min Scan# 714

Delta R.T. -0.00 min

Lab File: VX006103.D

Acq: 19 Nov 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

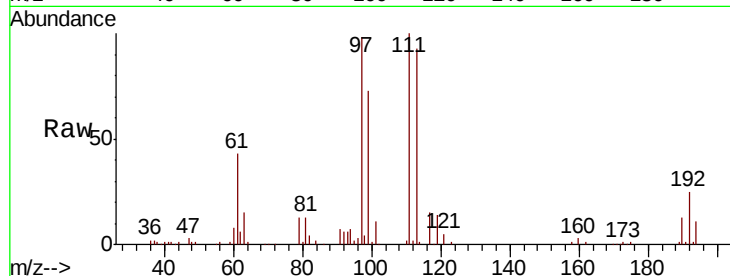
Tot Ion:113 Resp: 59836

Ion Ratio Lower Upper

113 100

111 104.0 82.3 123.5

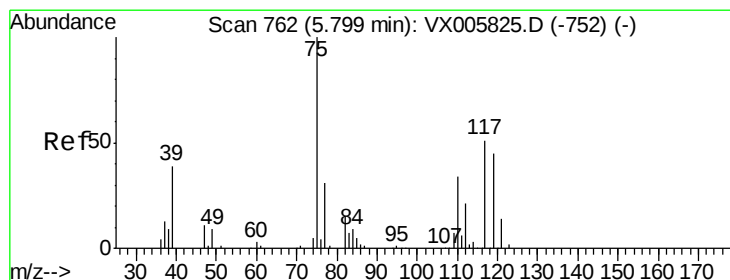
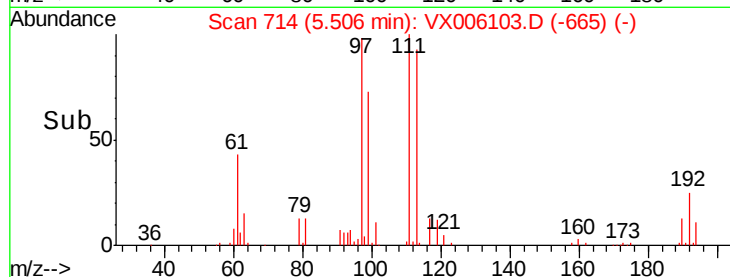
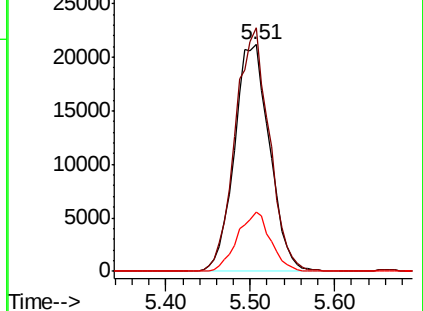
192 24.8 17.9 26.9



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 40.240 ug/l

RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

Lab File: VX006103.D

Acq: 19 Nov 2018 20:33

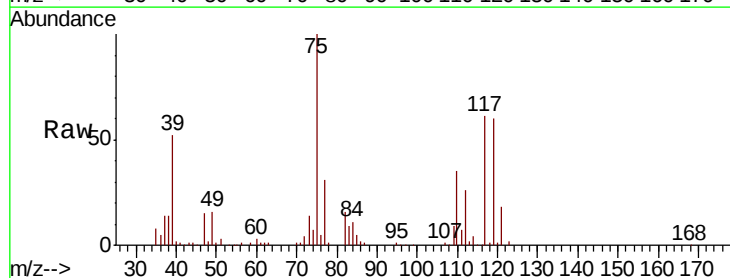
Tgt Ion: 75 Resp: 79848

Ion Ratio Lower Upper

75 100

110 35.8 17.4 52.2

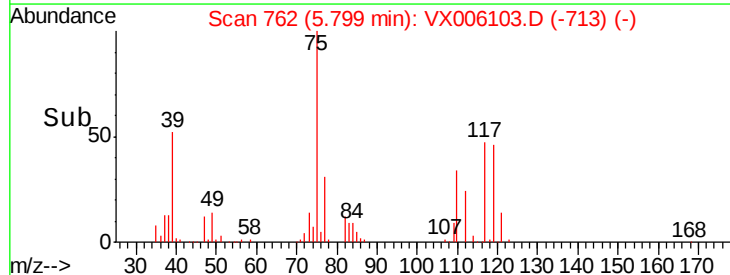
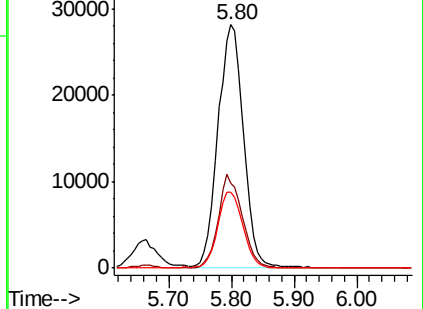
77 30.9 25.8 38.6

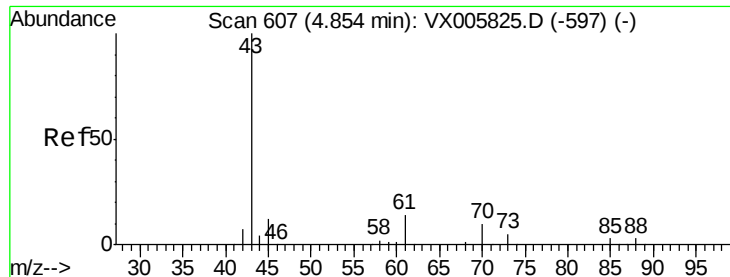


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 40.670 ug/l

RT: 4.86 min Scan# 608

Delta R.T. 0.01 min

Lab File: VX006103.D

Acq: 19 Nov 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

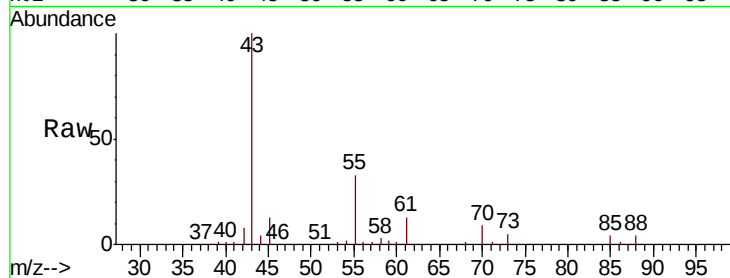
Tot Ion: 43 Resp: 106125

Ion Ratio Lower Upper

43 100

61 14.0 10.8 16.2

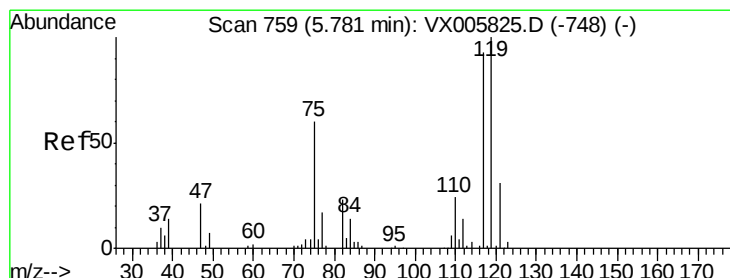
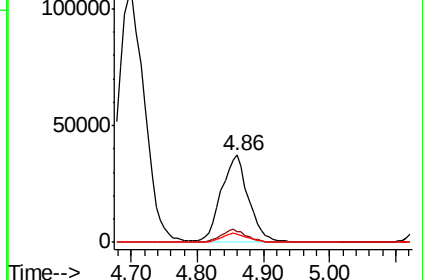
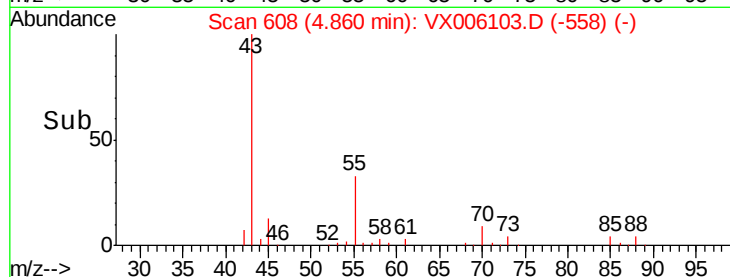
70 10.2 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VX006103.D (-558) (-)

Ion 60.90 (60.60 to 61.60): VX006103.D (-558) (-)

Ion 70.00 (69.70 to 70.70): VX006103.D (-558) (-)



#38

Carbon Tetrachloride

Concen: 35.794 ug/l

RT: 5.78 min Scan# 759

Delta R.T. -0.00 min

Lab File: VX006103.D

Acq: 19 Nov 2018 20:33

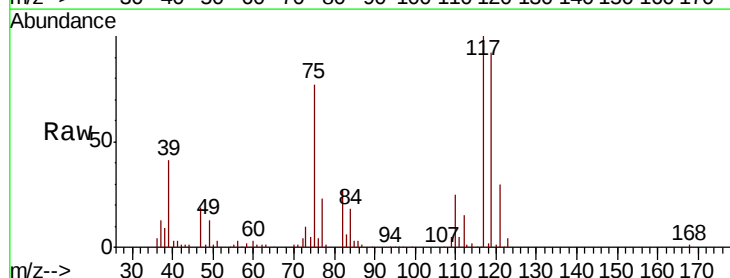
Tgt Ion: 117 Resp: 71106

Ion Ratio Lower Upper

117 100

119 92.3 78.1 117.1

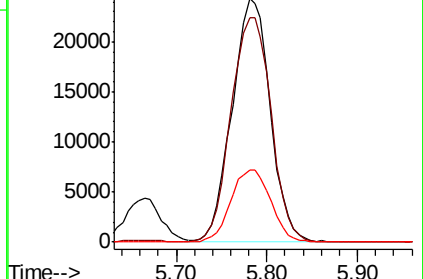
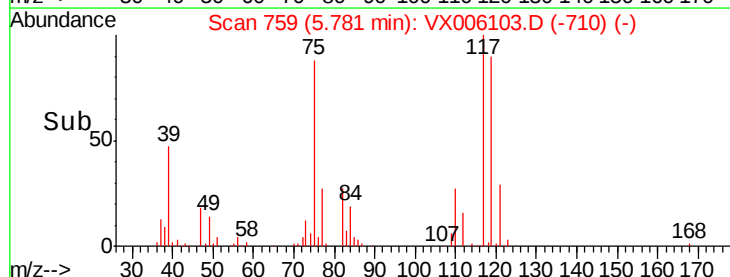
121 29.6 24.6 36.8

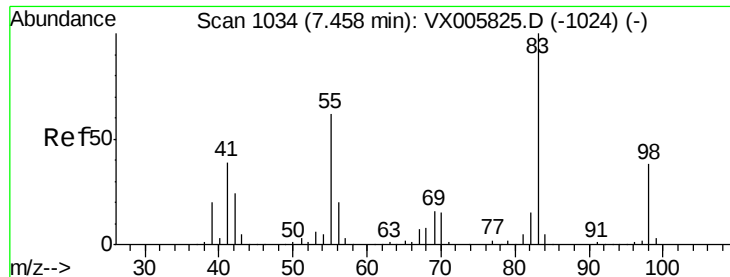


Abundance Ion 116.80 (116.50 to 117.50): VX006103.D (-710) (-)

Ion 118.80 (118.50 to 119.50): VX006103.D (-710) (-)

Ion 120.80 (120.50 to 121.50): VX006103.D (-710) (-)

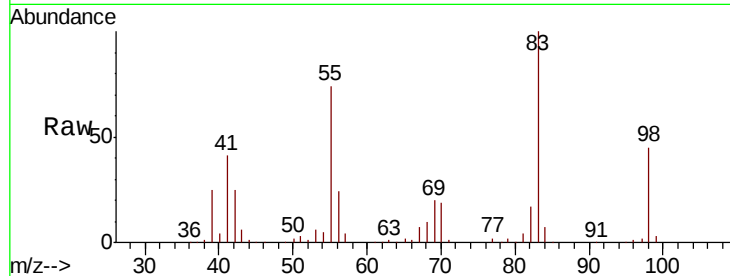




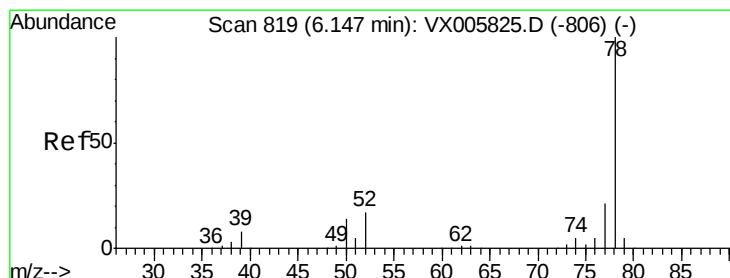
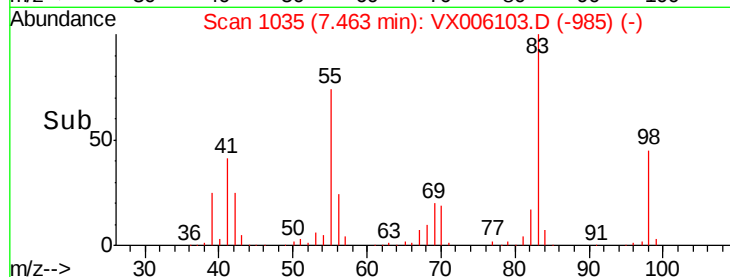
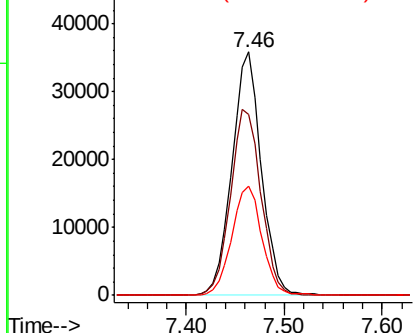
#39
Methvlcvclohexane
Concen: 37.103 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX006103.D
Acq: 19 Nov 2018 20:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 74621
Ion Ratio Lower Upper
83 100
55 74.4 63.7 95.5
98 44.7 36.2 54.2

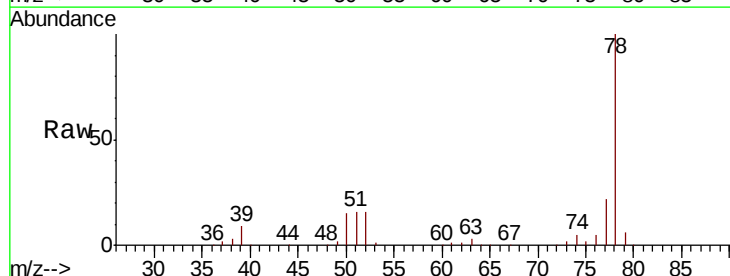


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

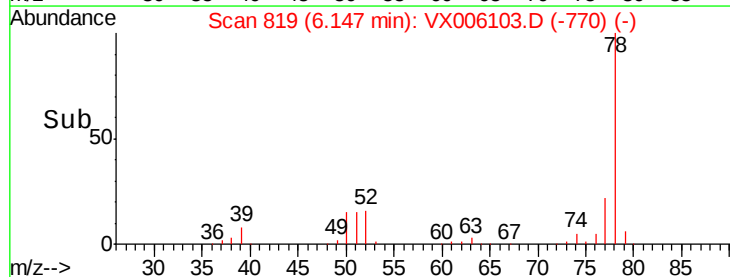
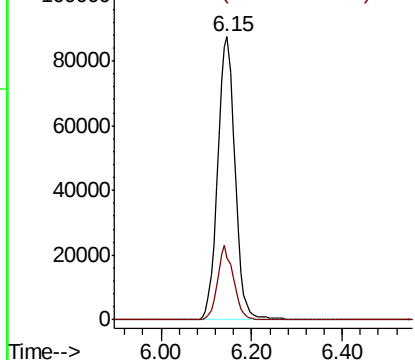


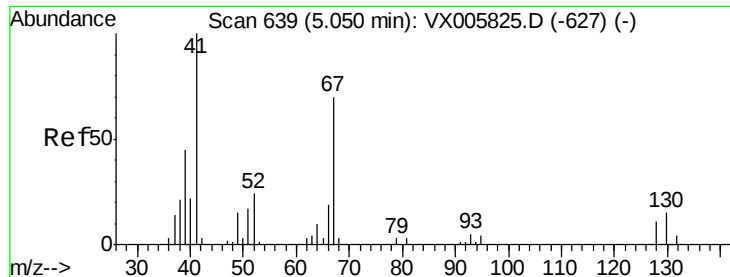
#40
Benzene
Concen: 40.463 ug/l
RT: 6.15 min Scan# 819
Delta R.T. -0.00 min
Lab File: VX006103.D
Acq: 19 Nov 2018 20:33

Tgt Ion: 78 Resp: 234067
Ion Ratio Lower Upper
78 100
77 22.1 18.4 27.6



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





#41

Methacrylonitrile

Concen: 43.604 ug/l

RT: 5.06 min Scan# 641

Delta R.T. 0.01 min

Lab File: VX006103.D

Acq: 19 Nov 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 61481

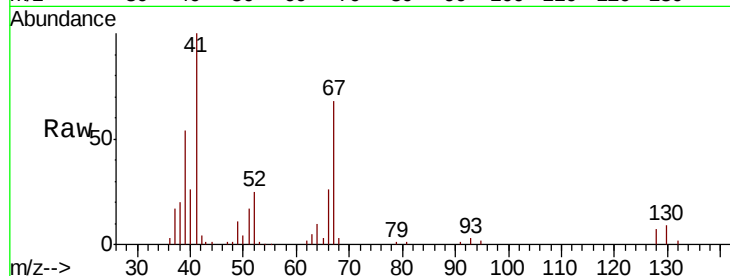
Ion Ratio Lower Upper

41 100

39 52.4 42.2 63.2

67 69.8 53.4 80.0

52 27.4 23.4 35.2

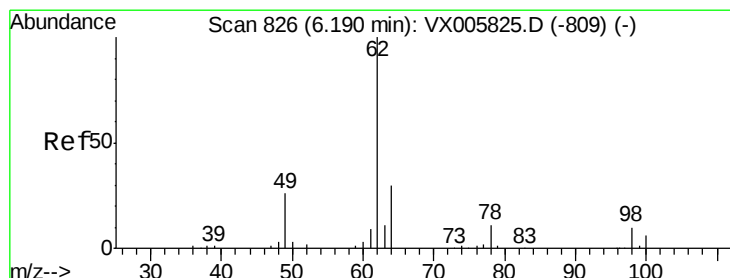
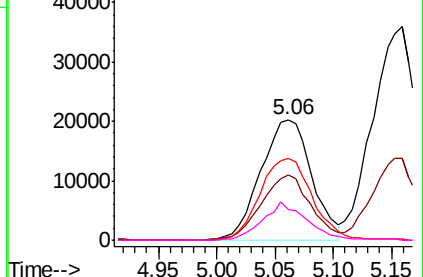
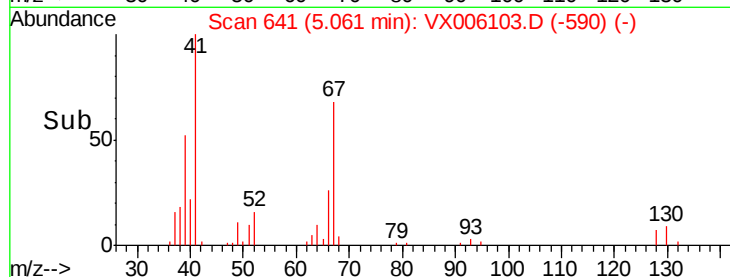


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 39.730 ug/l

RT: 6.20 min Scan# 827

Delta R.T. 0.01 min

Lab File: VX006103.D

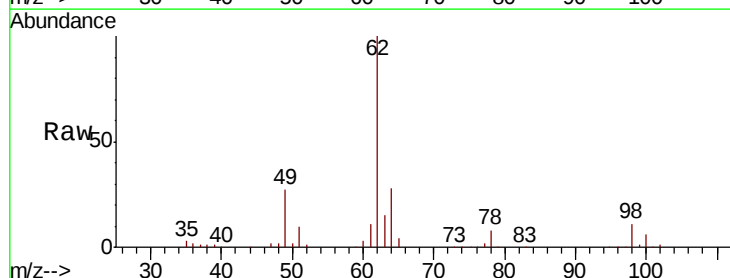
Acq: 19 Nov 2018 20:33

Tgt Ion: 62 Resp: 82318

Ion Ratio Lower Upper

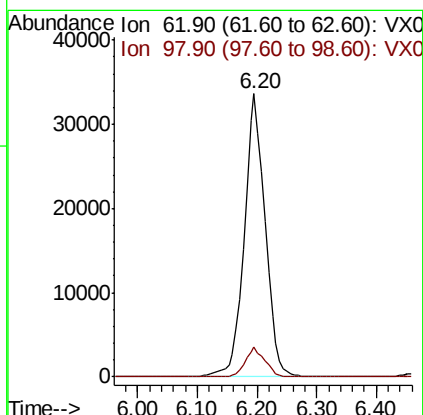
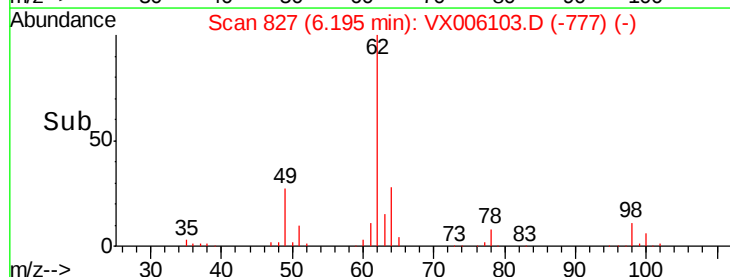
62 100

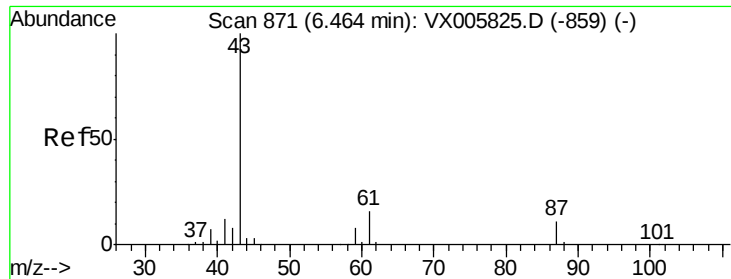
98 9.9 0.0 17.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 41.396 ug/l

RT: 6.46 min Scan# 871

Delta R.T. -0.00 min

Lab File: VX006103.D

Acq: 19 Nov 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

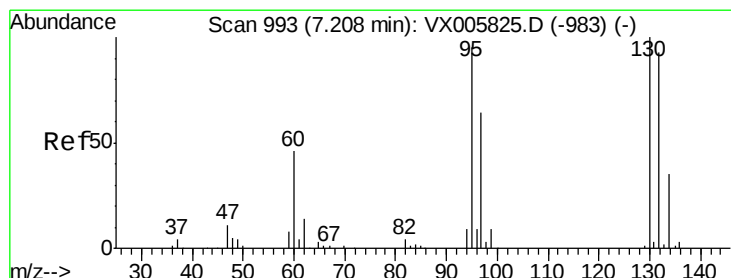
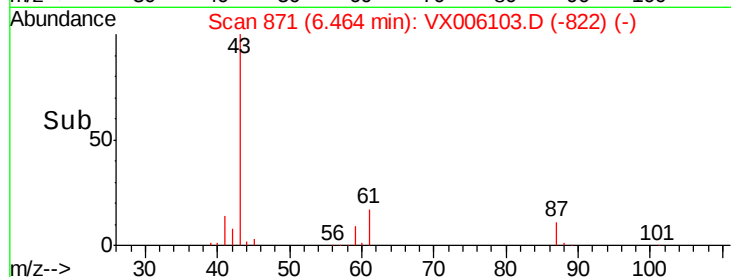
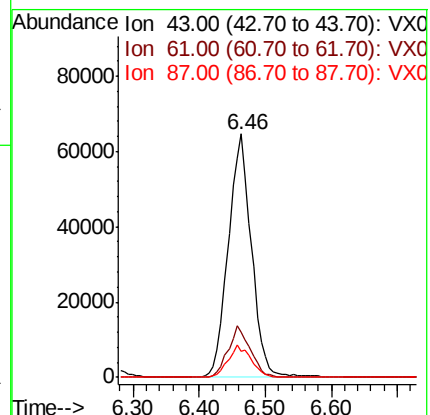
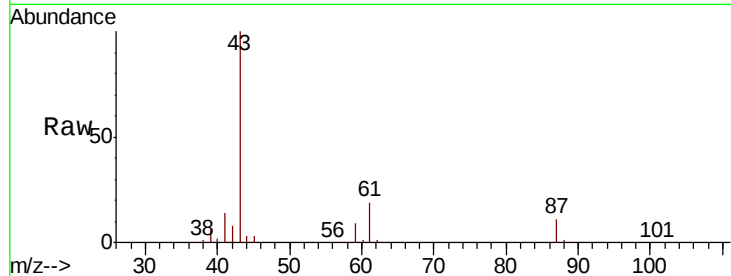
Tot Ion: 43 Resp: 156520

Ion Ratio Lower Upper

43 100

61 20.2 14.6 22.0

87 13.1 9.6 14.4



#44

Trichloroethene

Concen: 44.876 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.01 min

Lab File: VX006103.D

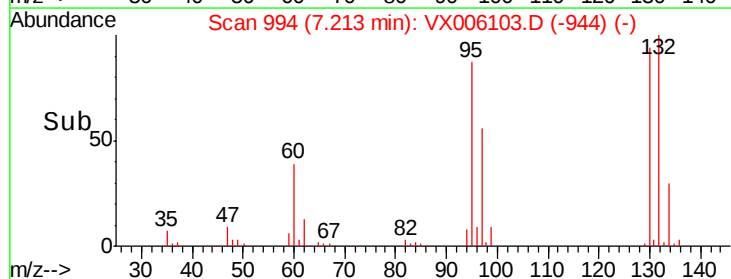
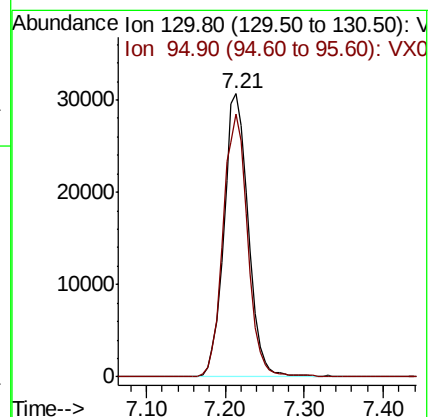
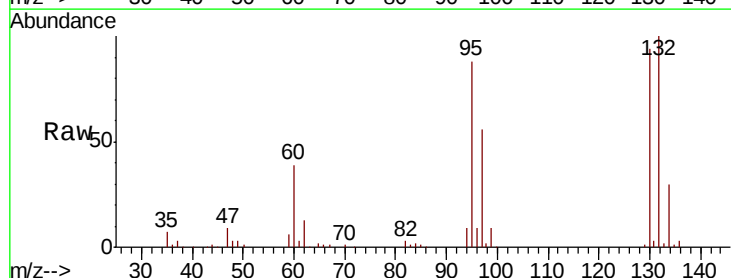
Acq: 19 Nov 2018 20:33

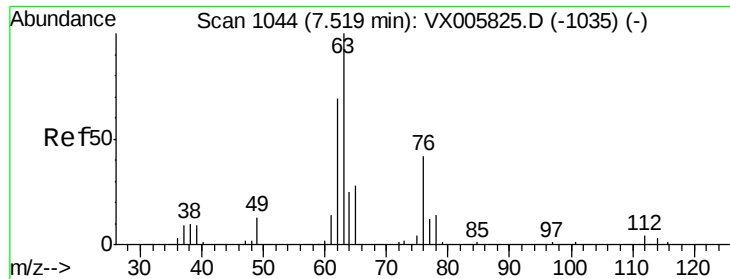
Tgt Ion:130 Resp: 65925

Ion Ratio Lower Upper

130 100

95 92.7 0.0 194.2

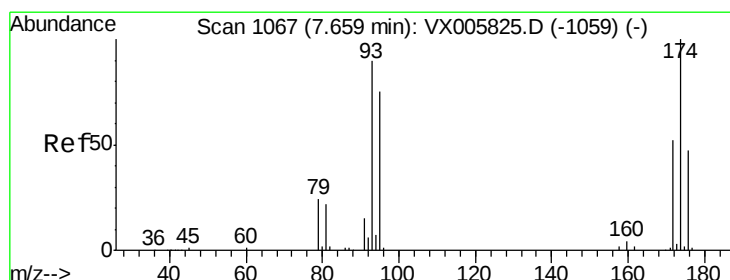
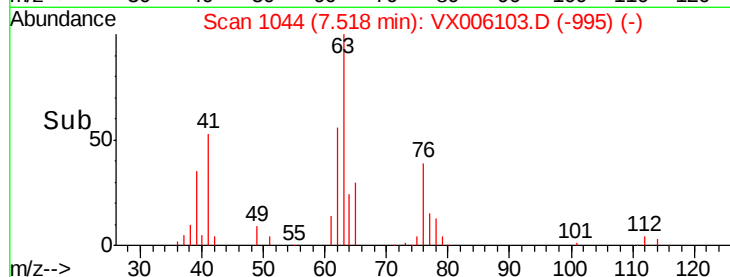
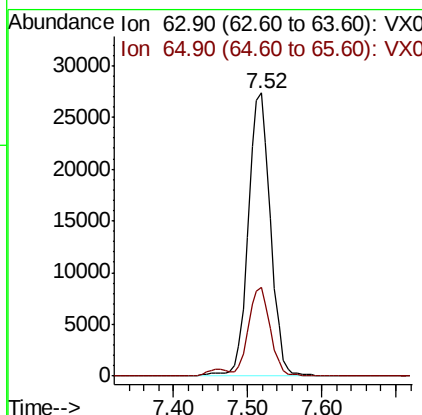
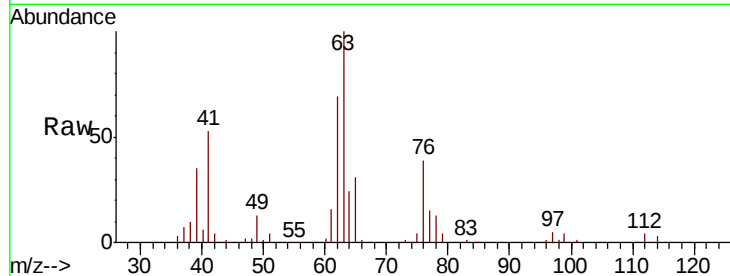




#45
 1,2-Dichloropropane
 Concen: 40.845 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. -0.00 min
 Lab File: VX006103.D
 Acq: 19 Nov 2018 20:33

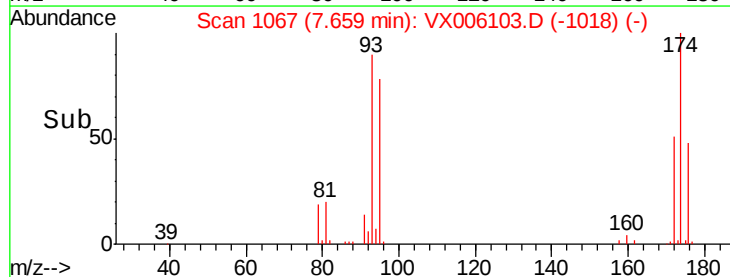
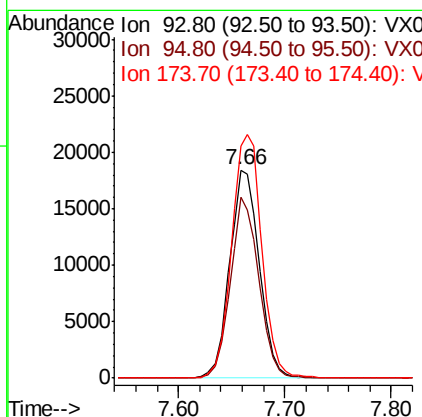
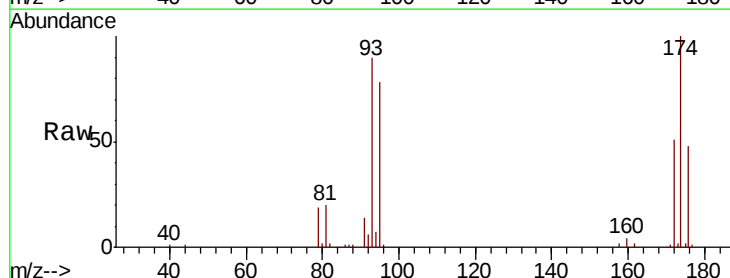
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

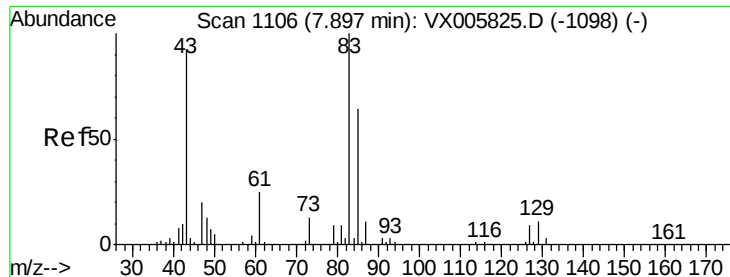
Tot Ion: 63 Resp: 57349
 Ion Ratio Lower Upper
 63 100
 65 31.4 24.8 37.2



#46
 Dibromomethane
 Concen: 40.756 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX006103.D
 Acq: 19 Nov 2018 20:33

Tgt Ion: 93 Resp: 35908
 Ion Ratio Lower Upper
 93 100
 95 83.4 67.4 101.0
 174 119.4 91.5 137.3





#47

Bromodichloromethane

Concen: 40.594 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX006103.D

Acq: 19 Nov 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

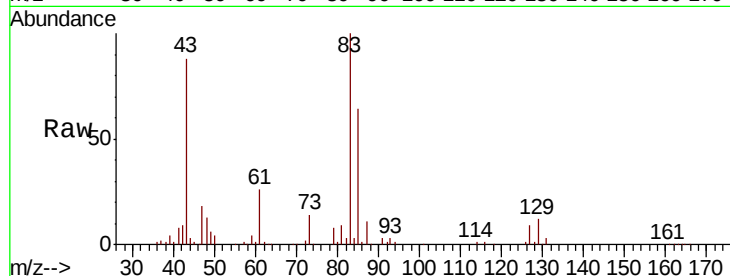
Tot Ion: 83 Resp: 67593

Ion Ratio Lower Upper

83 100

85 63.6 50.2 75.4

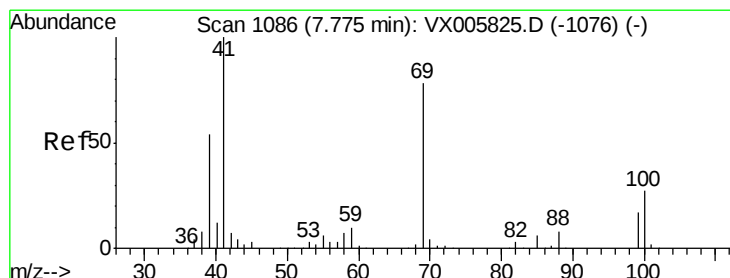
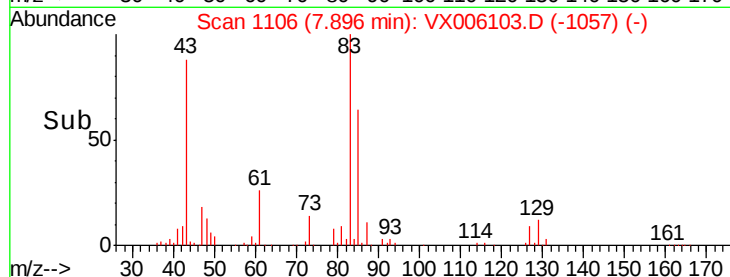
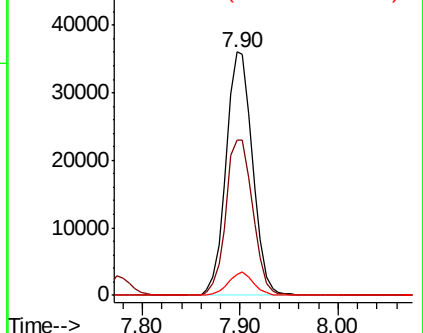
127 8.7 6.9 10.3



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: 41.481 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX006103.D

Acq: 19 Nov 2018 20:33

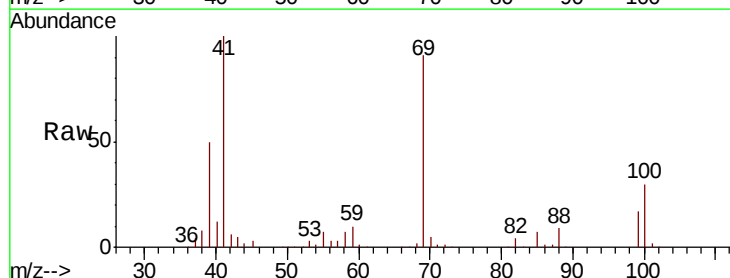
Tgt Ion: 41 Resp: 70426

Ion Ratio Lower Upper

41 100

69 82.0 63.2 94.8

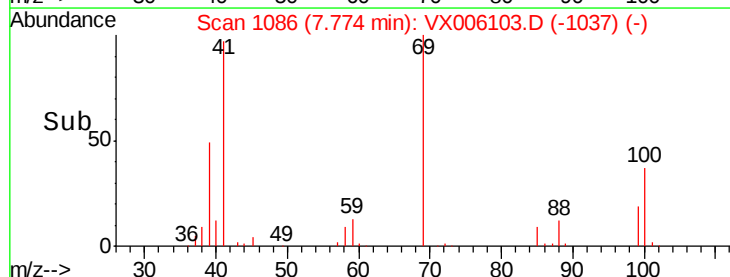
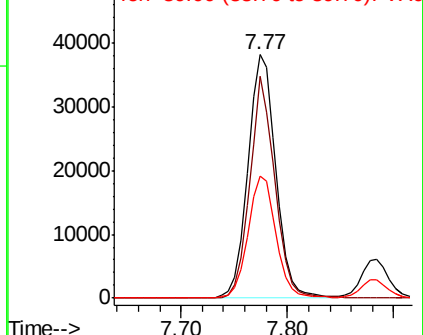
39 50.2 42.2 63.2

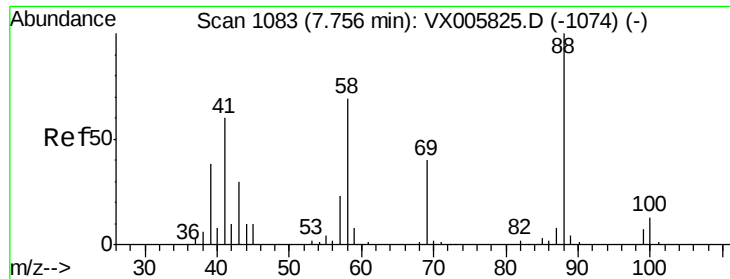


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 825.045 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. -0.01 min

Lab File: VX006103.D

Acq: 19 Nov 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

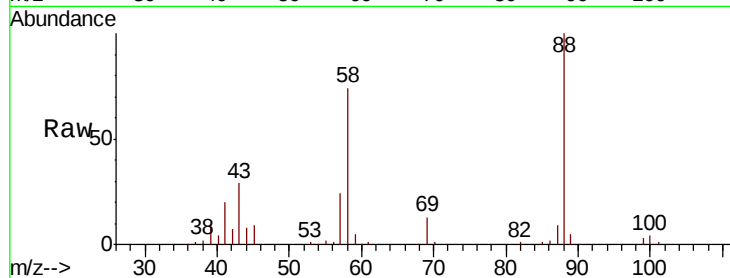
Tot Ion: 88 Resp: 30184

Ion Ratio Lower Upper

88 100

43 35.1 27.4 41.0

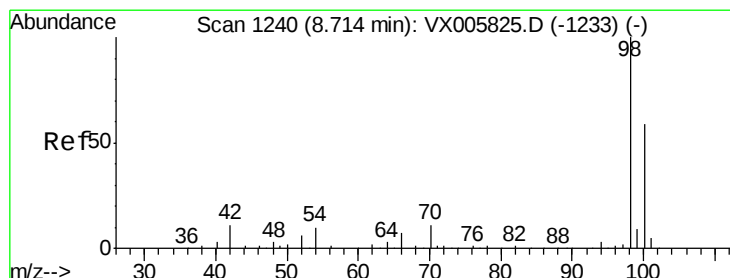
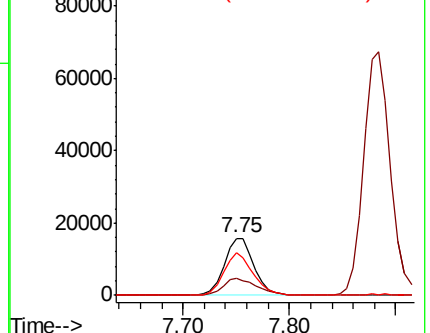
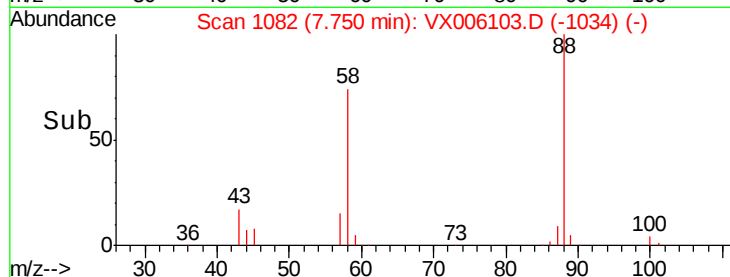
58 74.4 59.4 89.2



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: 41.352 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006103.D

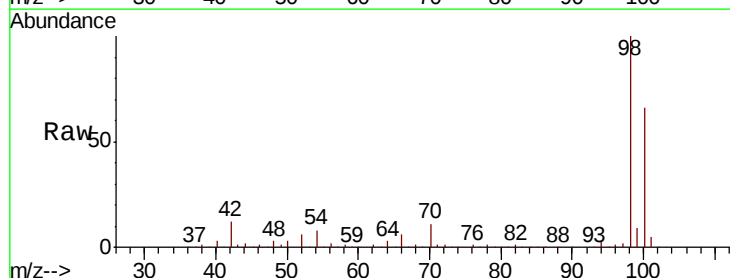
Acq: 19 Nov 2018 20:33

Tgt Ion: 98 Resp: 192470

Ion Ratio Lower Upper

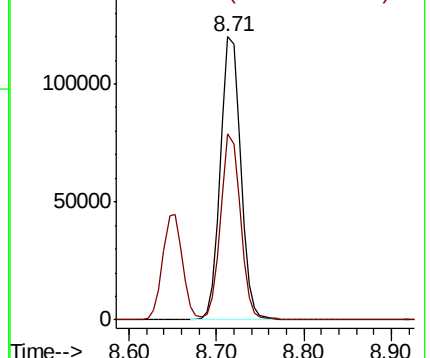
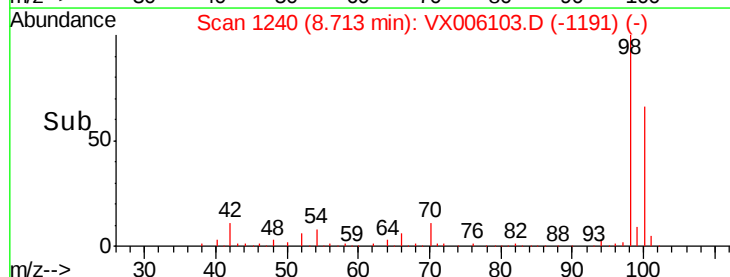
98 100

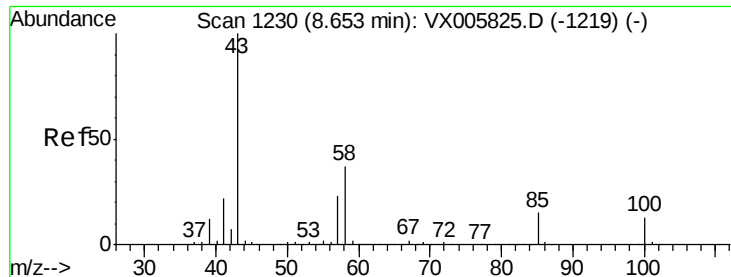
100 64.4 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 207.281 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VX006103.D

Acq: 19 Nov 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

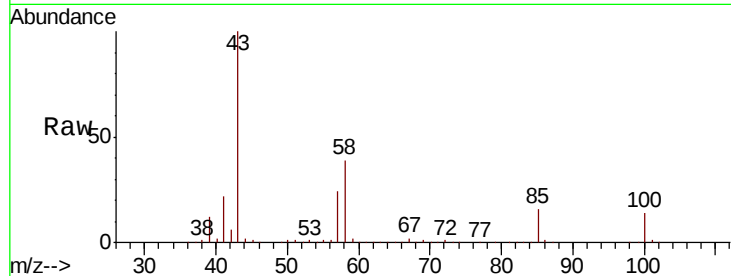
VSTDCCC050EC

Tot Ion: 43 Resp: 493948

Ion Ratio Lower Upper

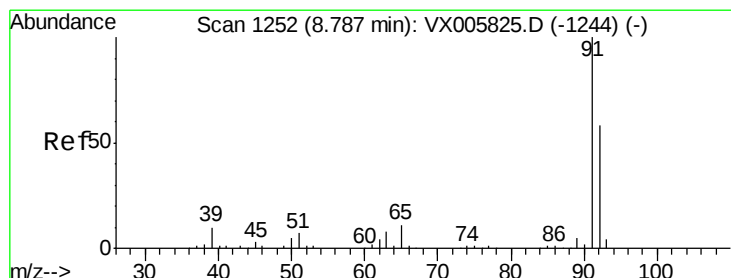
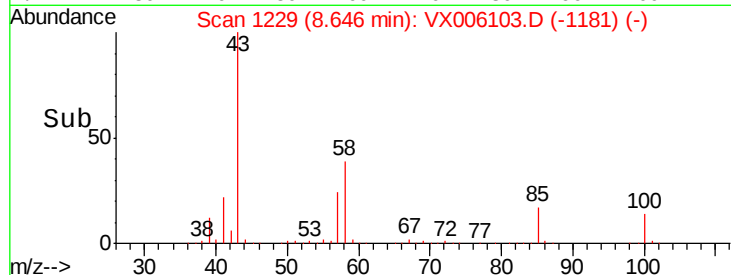
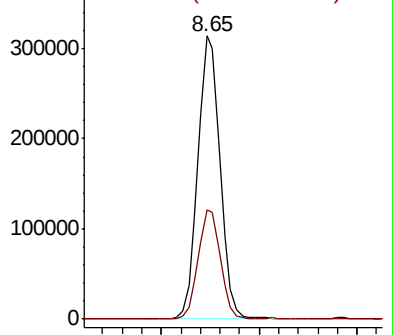
43 100

58 38.6 29.7 44.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 39.651 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX006103.D

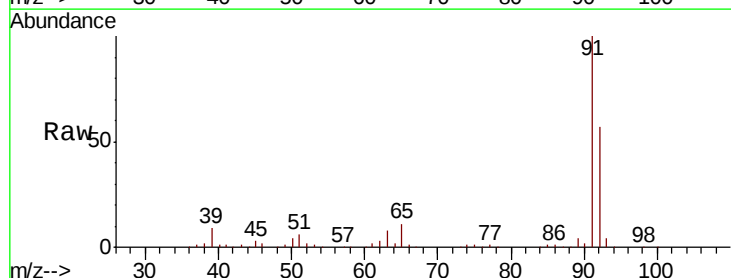
Acq: 19 Nov 2018 20:33

Tgt Ion: 92 Resp: 128193

Ion Ratio Lower Upper

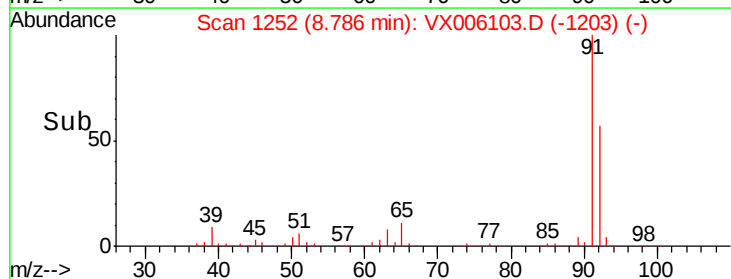
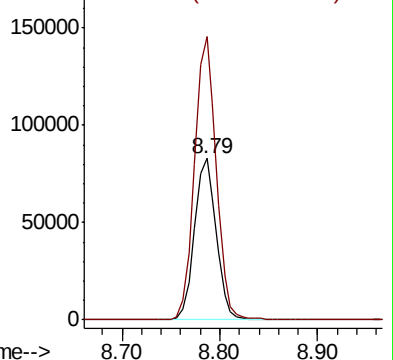
92 100

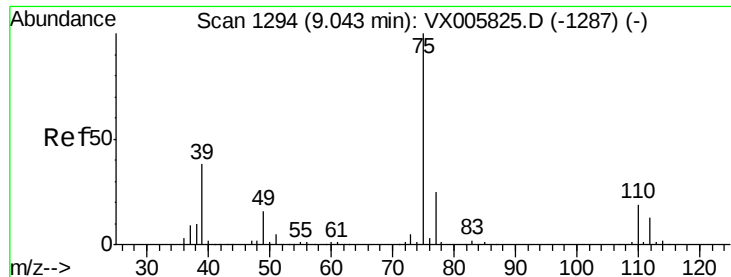
91 174.6 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 38.187 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX006103.D

Acq: 19 Nov 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

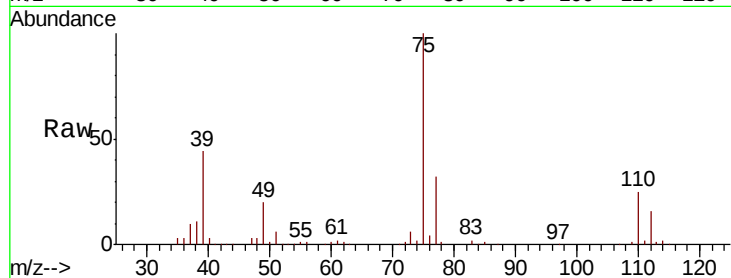
VSTDCCC050EC

Tot Ion: 75 Resp: 75036

Ion Ratio Lower Upper

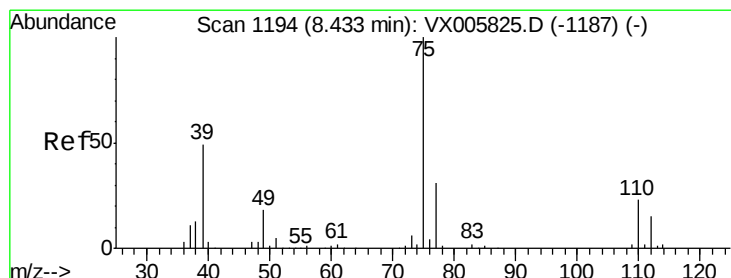
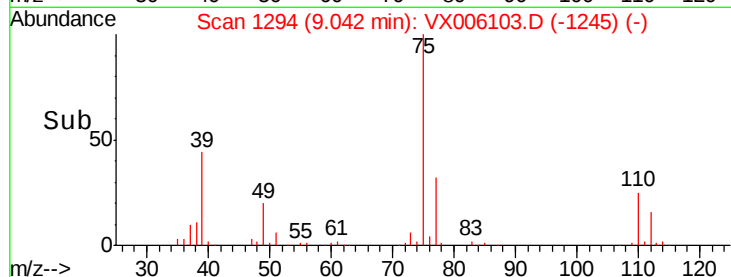
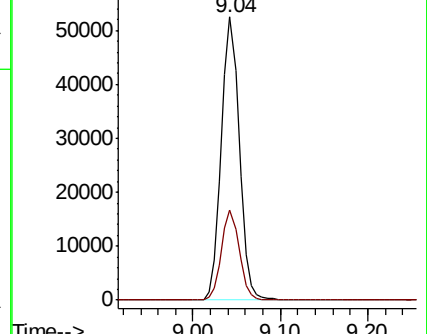
75 100

77 31.7 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 41.030 ug/l

RT: 8.44 min Scan# 1195

Delta R.T. 0.01 min

Lab File: VX006103.D

Acq: 19 Nov 2018 20:33

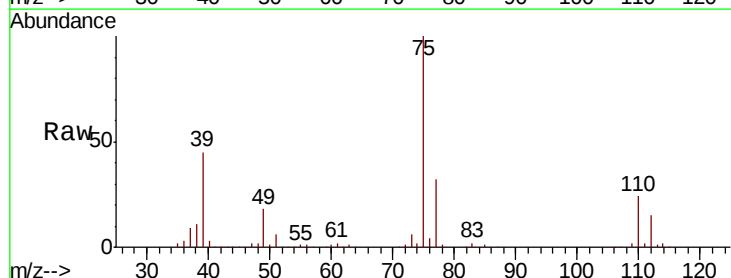
Tgt Ion: 75 Resp: 82175

Ion Ratio Lower Upper

75 100

77 32.1 25.2 37.8

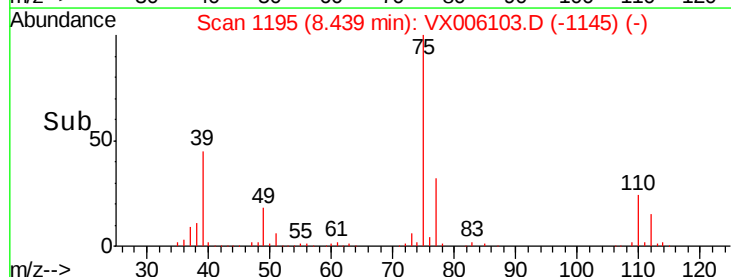
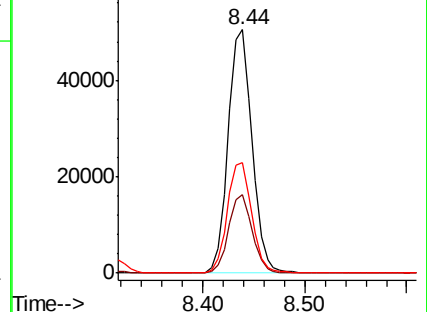
39 45.4 38.2 57.2

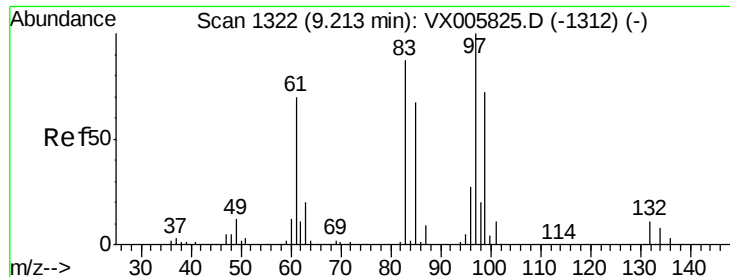


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

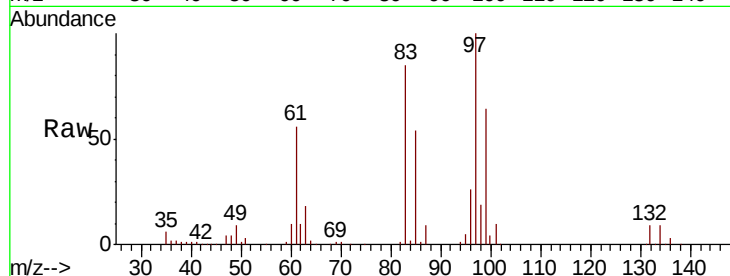




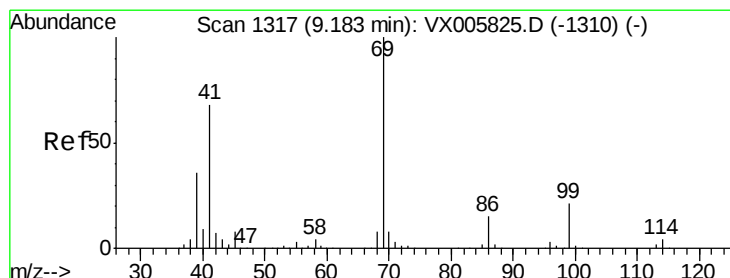
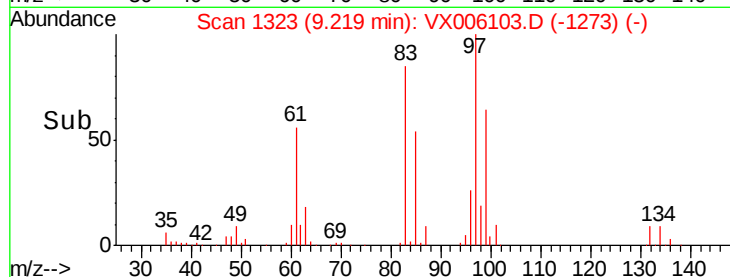
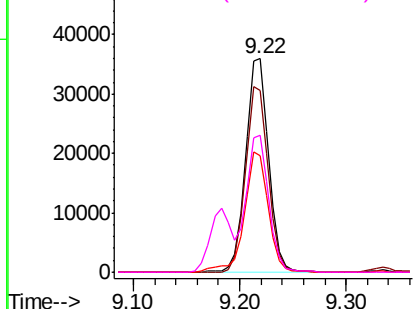
#55
 1,1,2-Trichloroethane
 Concen: 38.041 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. 0.01 min
 Lab File: VX006103.D
 Acq: 19 Nov 2018 20:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 97 Resp: 54813
 Ion Ratio Lower Upper
 97 100
 83 84.9 70.7 106.1
 85 54.3 45.8 68.6
 99 64.3 51.8 77.8

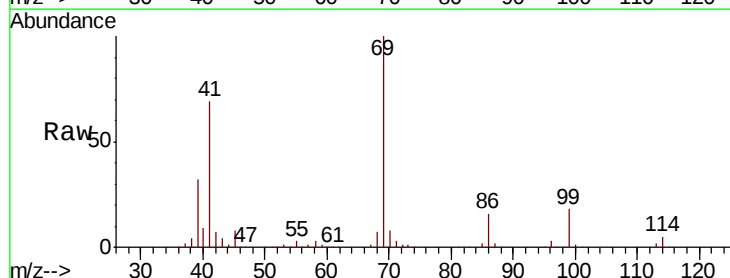


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

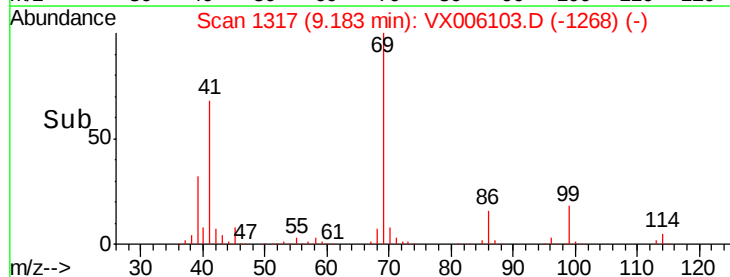
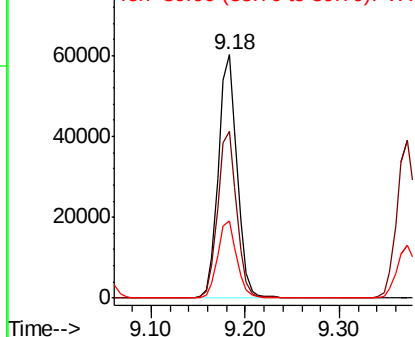


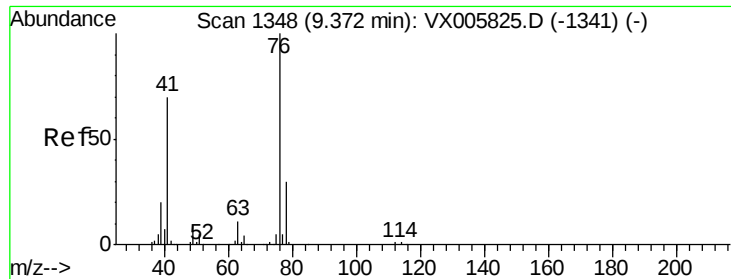
#56
 Ethyl methacrylate
 Concen: 38.597 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX006103.D
 Acq: 19 Nov 2018 20:33

Tgt Ion: 69 Resp: 83211
 Ion Ratio Lower Upper
 69 100
 41 69.2 57.0 85.6
 39 32.0 28.3 42.5



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





#57

1,3-Dichloropropane

Concen: 37.901 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX006103.D

Acq: 19 Nov 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

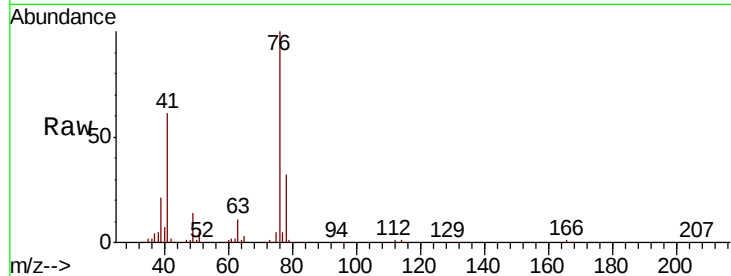
VSTDCCC050EC

Tot Ion: 76 Resp: 91774

Ion Ratio Lower Upper

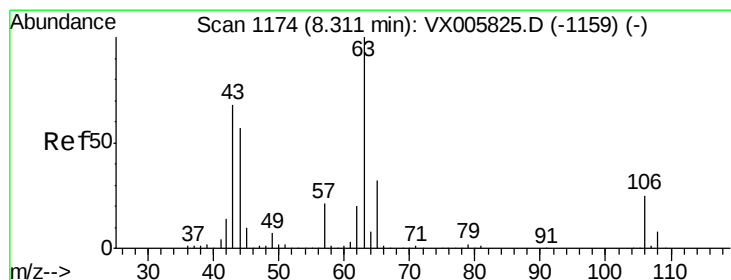
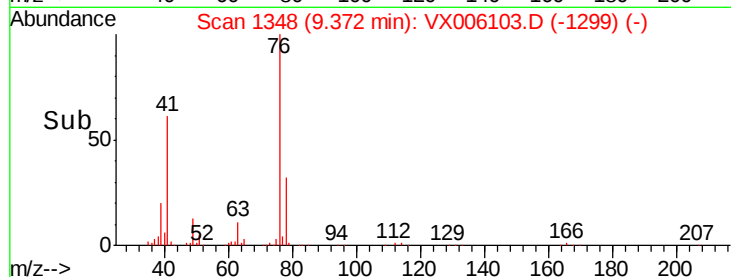
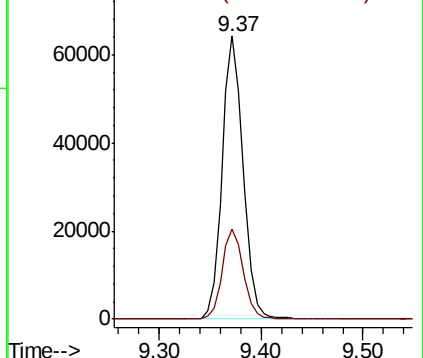
76 100

78 32.1 25.3 37.9



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 208.843 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. 0.01 min

Lab File: VX006103.D

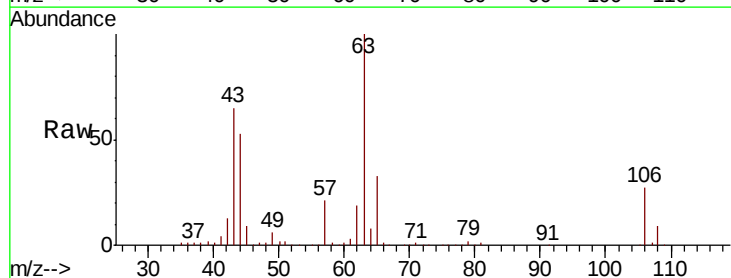
Acq: 19 Nov 2018 20:33

Tgt Ion: 63 Resp: 243686

Ion Ratio Lower Upper

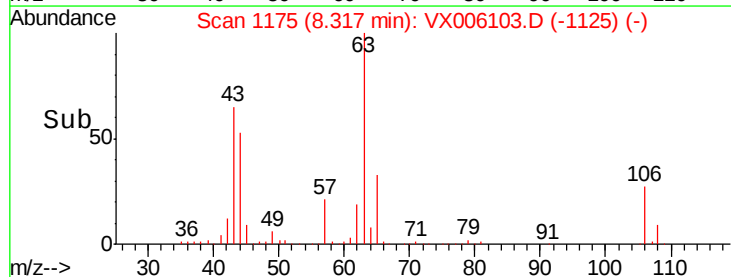
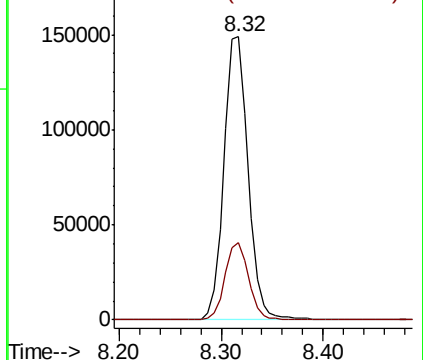
63 100

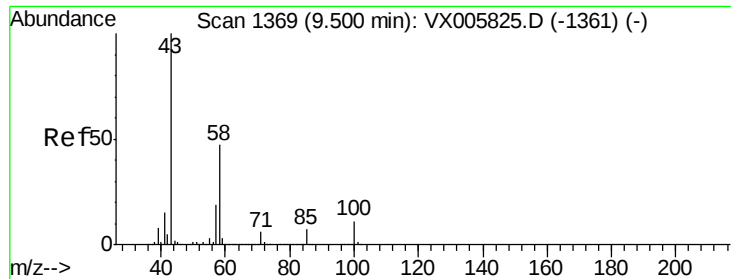
106 27.1 21.3 31.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

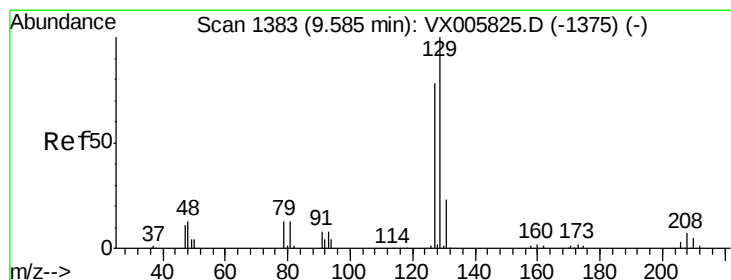
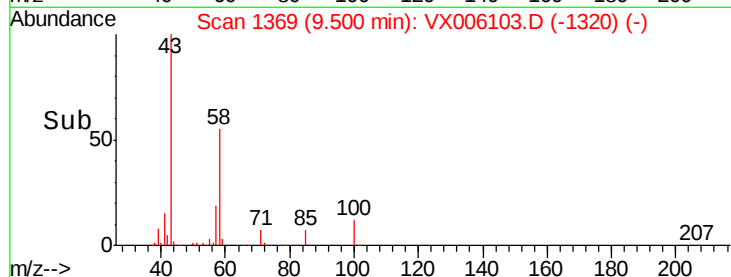
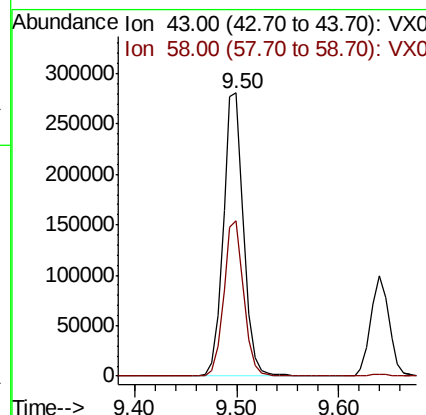
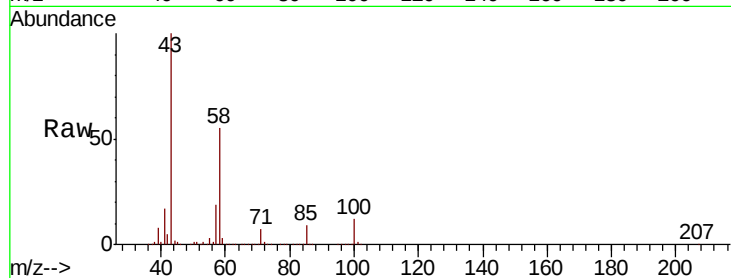




#59
2-Hexanone
Concen: 185.021 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VX006103.D
Acq: 19 Nov 2018 20:33

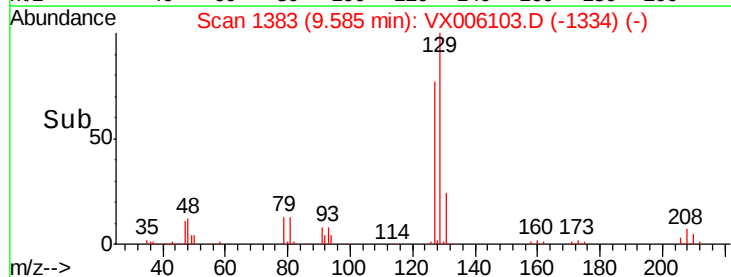
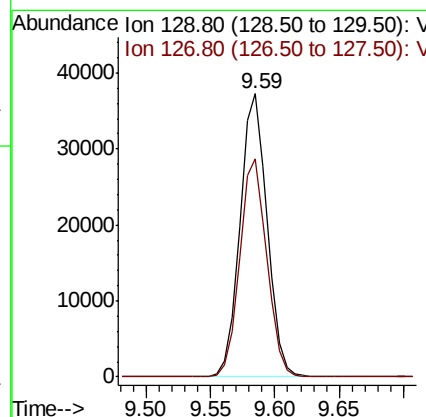
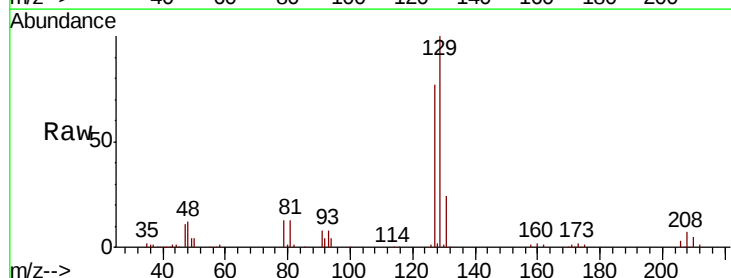
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

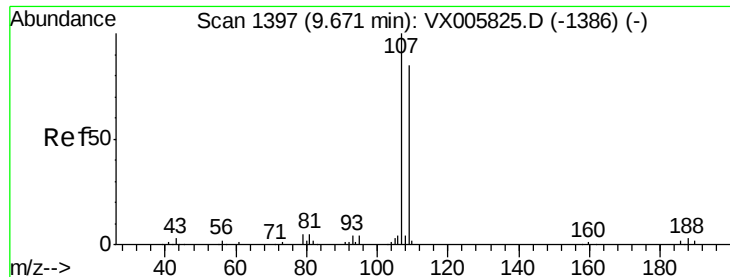
Tot Ion: 43 Resp: 388636
Ion Ratio Lower Upper
43 100
58 54.1 25.9 77.8



#60
Dibromochloromethane
Concen: 34.812 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX006103.D
Acq: 19 Nov 2018 20:33

Tgt Ion:129 Resp: 54209
Ion Ratio Lower Upper
129 100
127 76.9 38.9 116.7





#61

1,2-Dibromoethane

Concen: 35.618 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX006103.D

Acq: 19 Nov 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

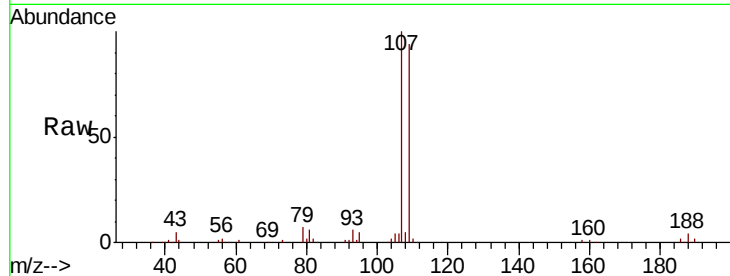
VSTDCCC050EC

Tot Ion:107 Resp: 56750

Ion Ratio Lower Upper

107 100

109 94.1 75.7 113.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

40000

30000

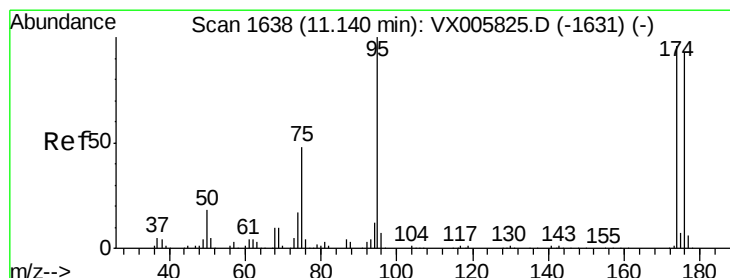
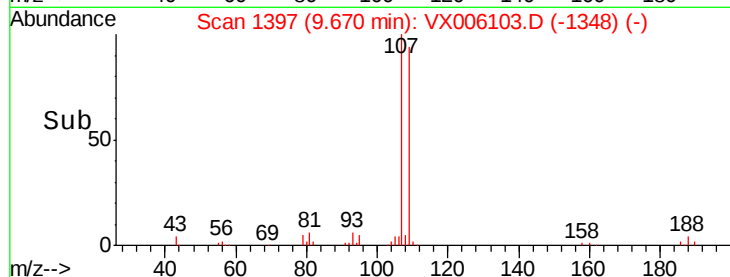
20000

10000

0

9.60 9.70 9.80

Time-->



#62

4-Bromofluorobenzene

Concen: 44.235 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX006103.D

Acq: 19 Nov 2018 20:33

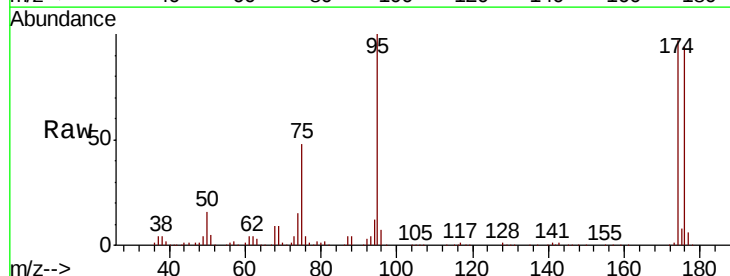
Tgt Ion: 95 Resp: 74024

Ion Ratio Lower Upper

95 100

174 93.0 0.0 184.4

176 89.6 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

60000

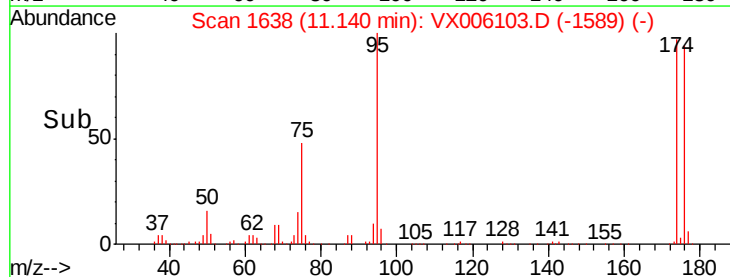
40000

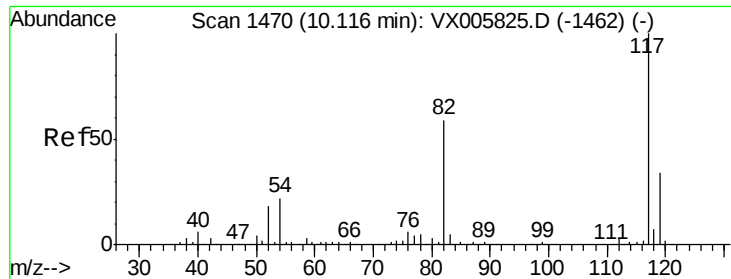
20000

0

11.10 11.20

Time-->

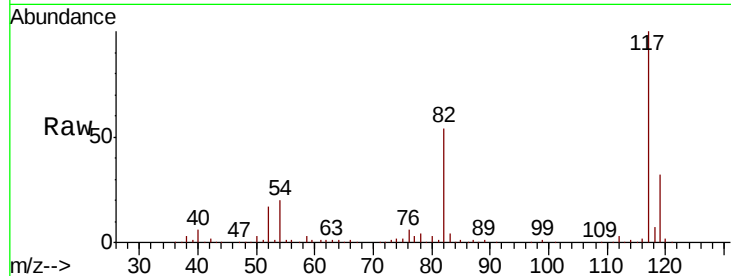




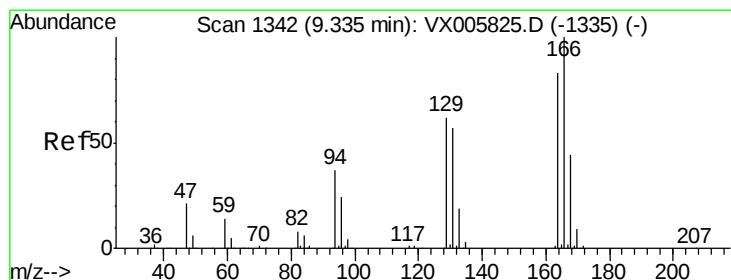
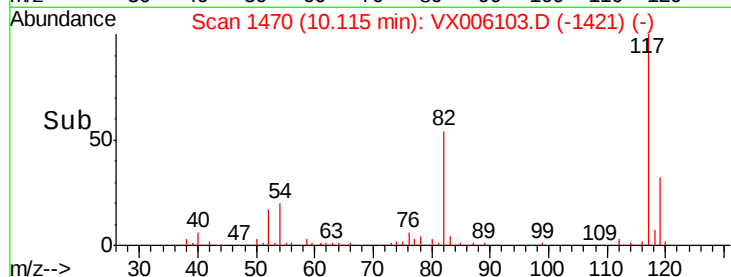
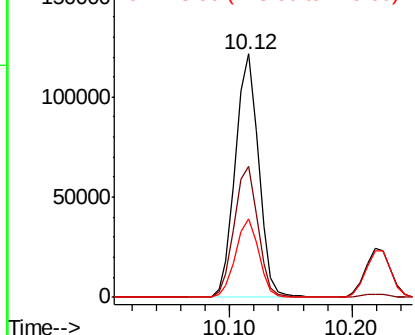
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX006103.D
Acq: 19 Nov 2018 20:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 159649
Ion Ratio Lower Upper
117 100
82 53.7 44.1 66.1
119 32.1 26.2 39.2



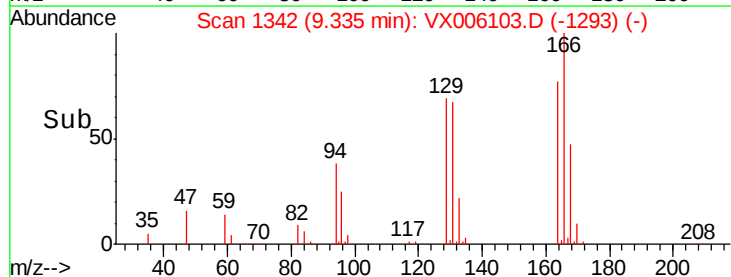
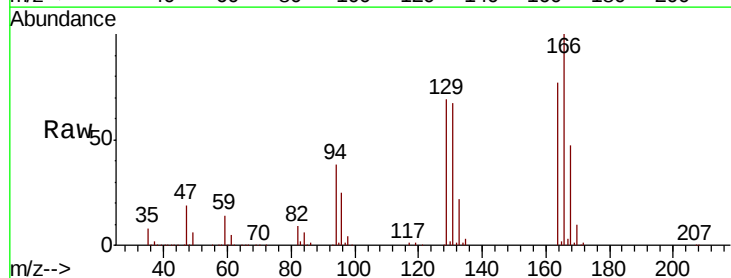
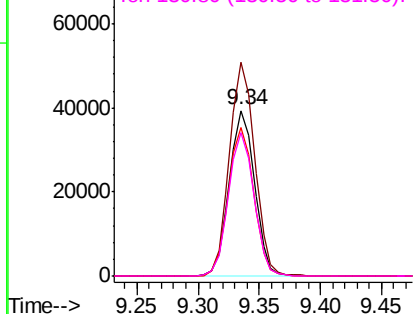
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX
Ion 118.90 (118.60 to 119.60): V

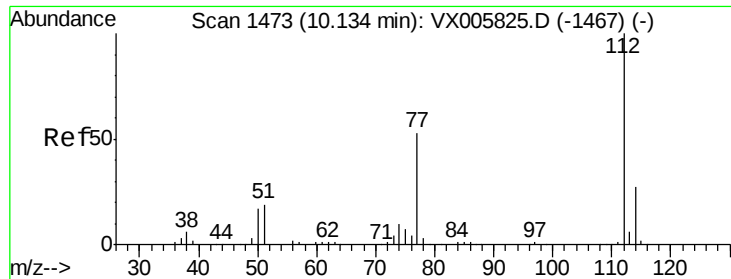


#64
Tetrachloroethene
Concen: 41.569 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX006103.D
Acq: 19 Nov 2018 20:33

Tgt Ion:164 Resp: 56503
Ion Ratio Lower Upper
164 100
166 129.2 101.9 152.9
129 89.6 72.6 109.0
131 86.8 71.1 106.7

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 46.305 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VX006103.D

Acq: 19 Nov 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

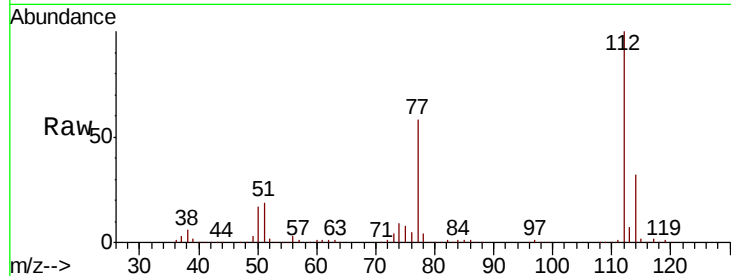
VSTDCCC050EC

Tot Ion:112 Resp: 148097

Ion Ratio Lower Upper

112 100

114 32.2 25.8 38.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.14

120000

100000

80000

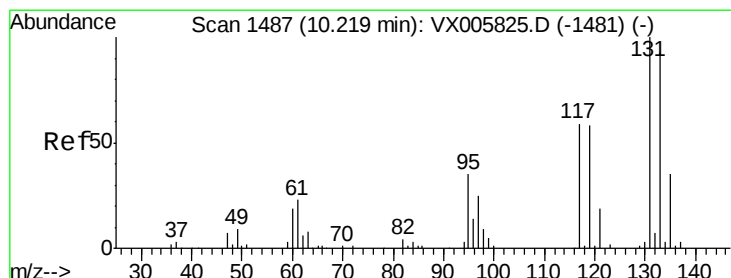
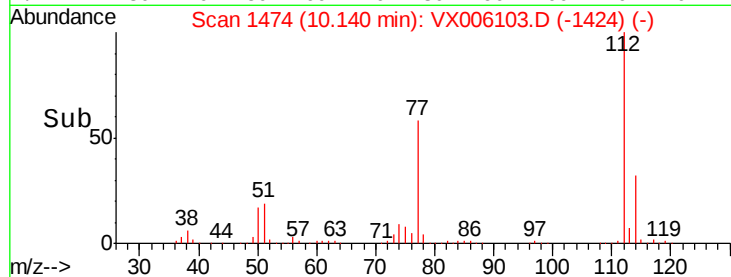
60000

40000

20000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 46.639 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX006103.D

Acq: 19 Nov 2018 20:33

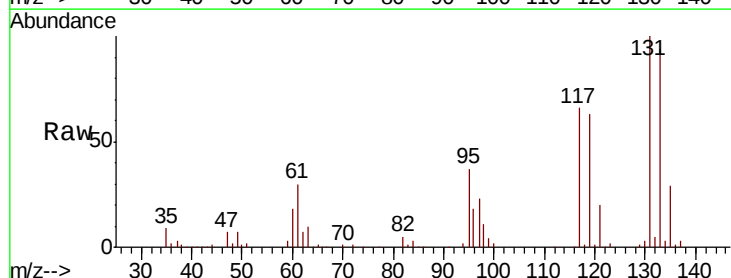
Tgt Ion:131 Resp: 51858

Ion Ratio Lower Upper

131 100

133 95.3 47.5 142.5

119 64.4 31.8 95.3



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

10.22

50000

40000

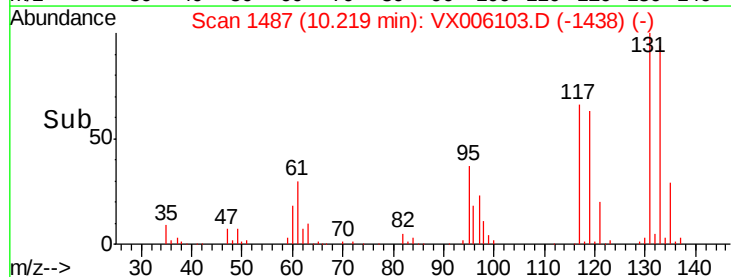
30000

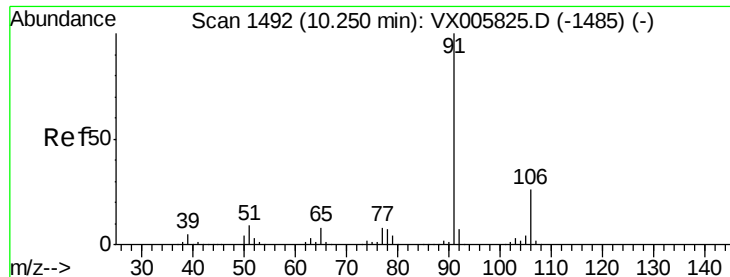
20000

10000

0

Time-->

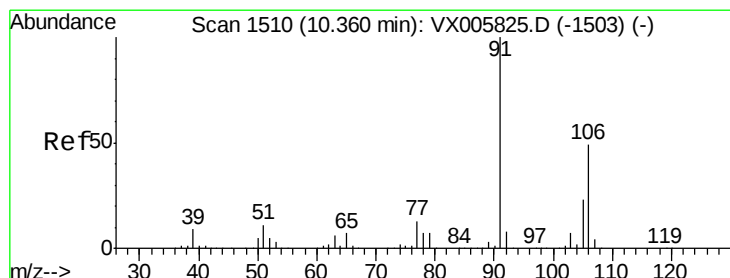
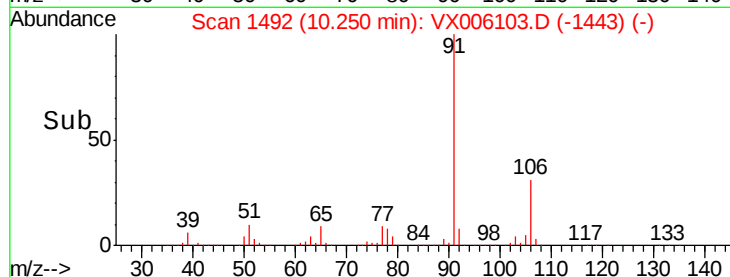
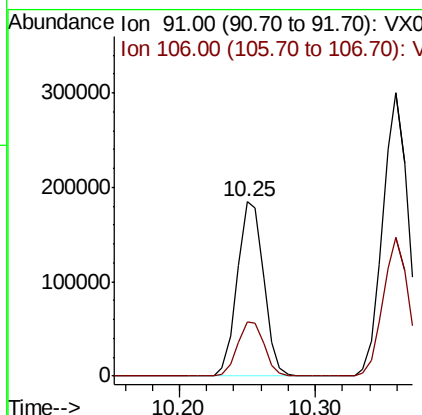
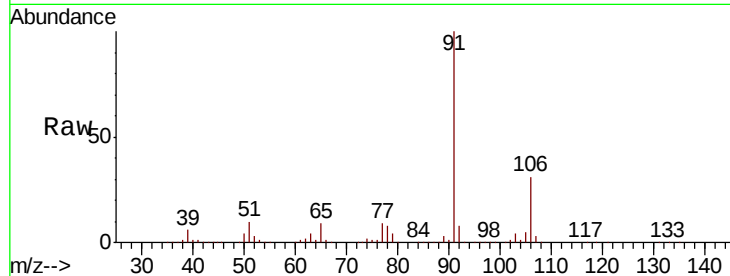




#67
Ethyl Benzene
Concen: 49.016 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX006103.D
Acq: 19 Nov 2018 20:33

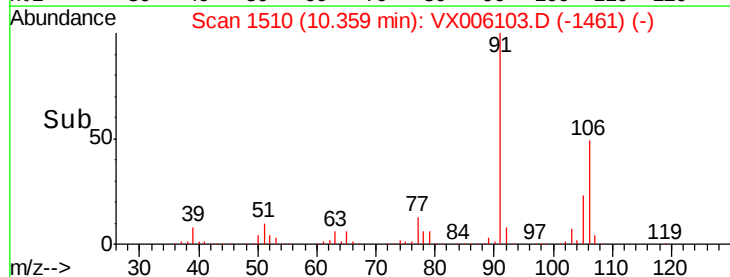
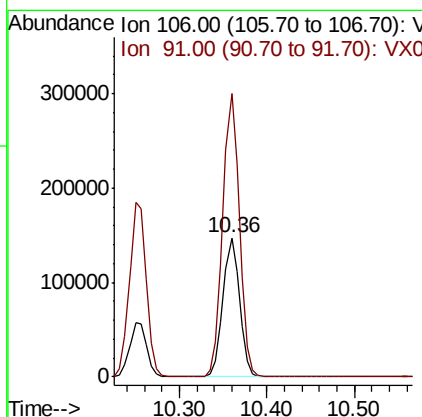
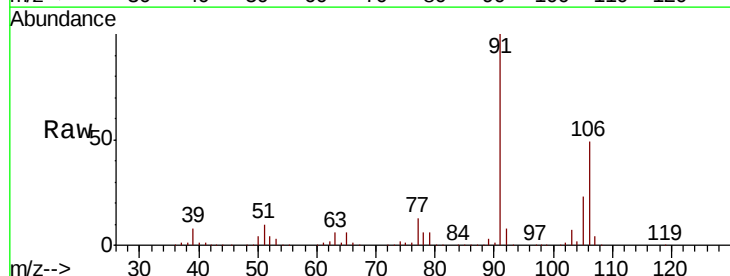
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

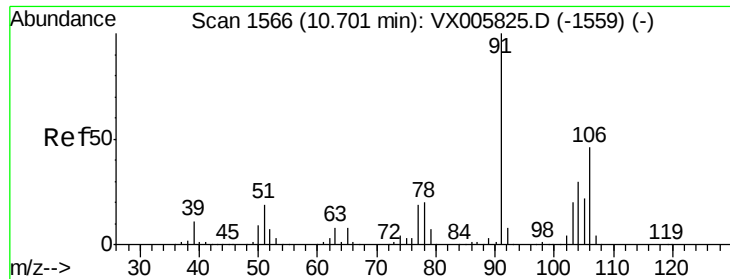
Tot Ion: 91 Resp: 251381
Ion Ratio Lower Upper
91 100
106 30.9 24.4 36.6



#68
m/p-Xylenes
Concen: 99.121 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX006103.D
Acq: 19 Nov 2018 20:33

Tgt Ion: 106 Resp: 193903
Ion Ratio Lower Upper
106 100
91 204.0 164.2 246.4

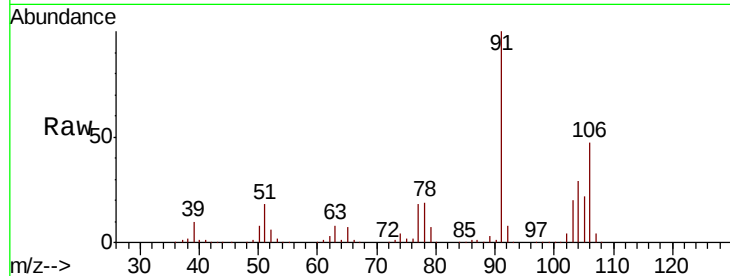




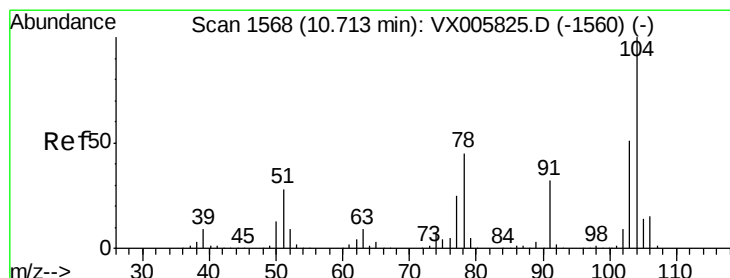
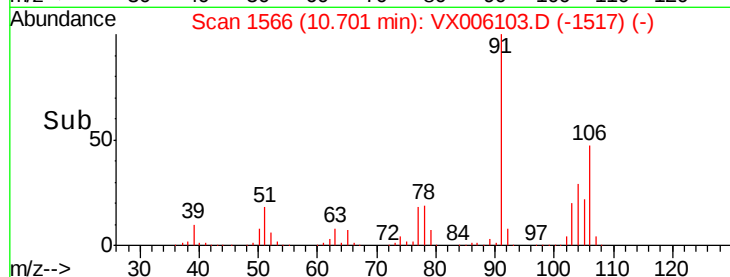
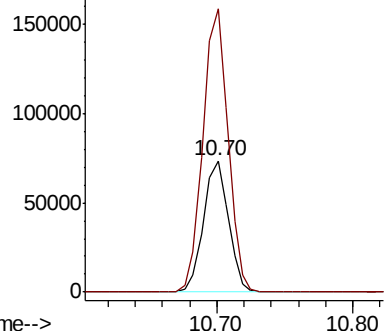
#69
o-Xylene
Concen: 53.720 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX006103.D
Acq: 19 Nov 2018 20:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 94233
Ion Ratio Lower Upper
106 100
91 216.7 108.5 325.5

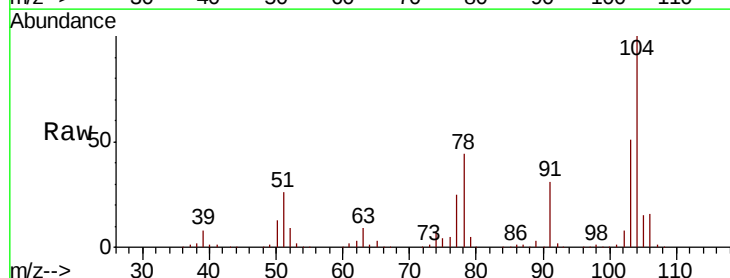


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

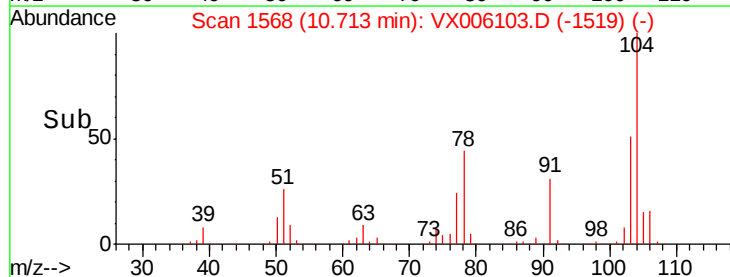
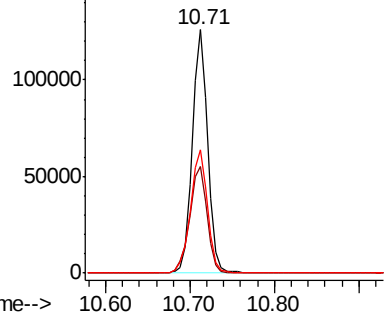


#70
Styrene
Concen: 55.446 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX006103.D
Acq: 19 Nov 2018 20:33

Tgt Ion:104 Resp: 160443
Ion Ratio Lower Upper
104 100
78 49.6 40.2 60.4
103 55.7 44.9 67.3



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 48.556 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX006103.D

Acq: 19 Nov 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

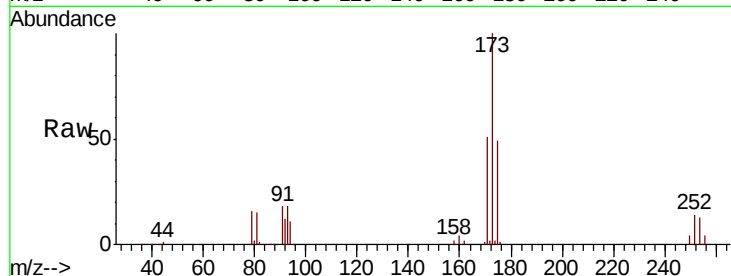
Tot Ion:173 Resp: 45259

Ion Ratio Lower Upper

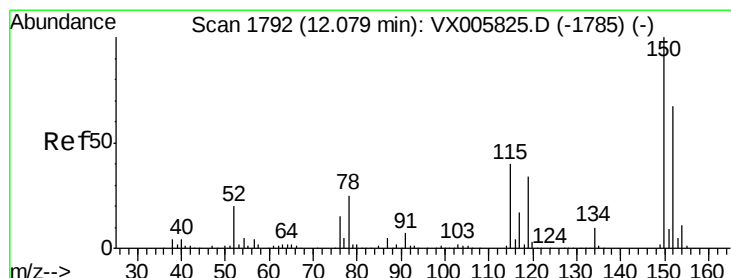
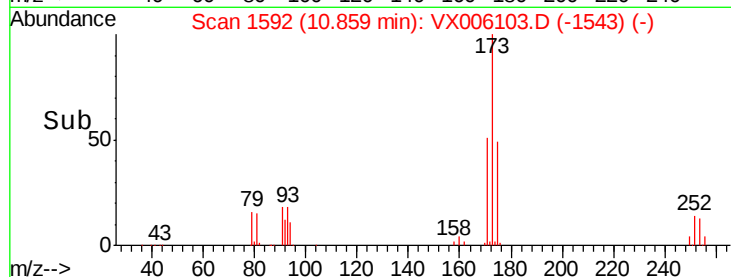
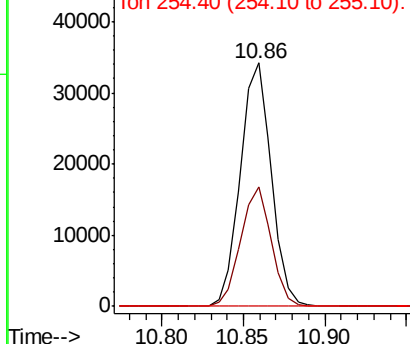
173 100

175 48.6 24.8 74.3

254 0.1 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX006103.D

Acq: 19 Nov 2018 20:33

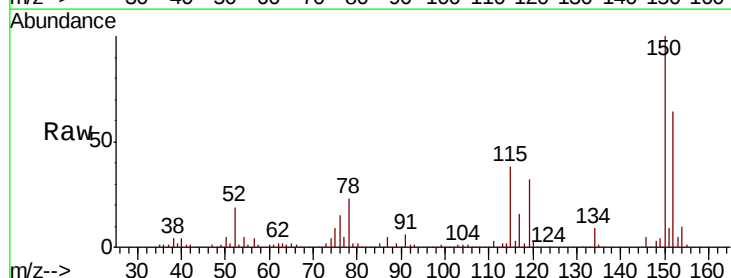
Tgt Ion:152 Resp: 90274

Ion Ratio Lower Upper

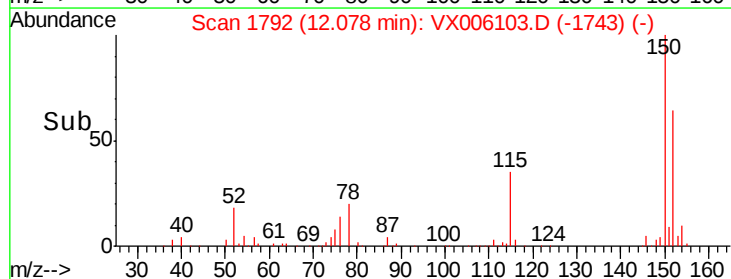
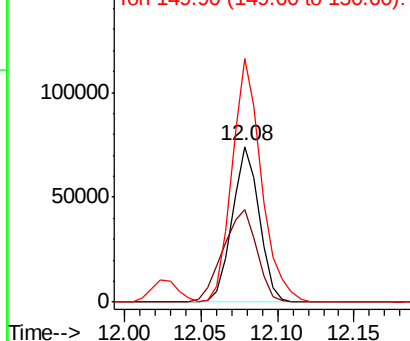
152 100

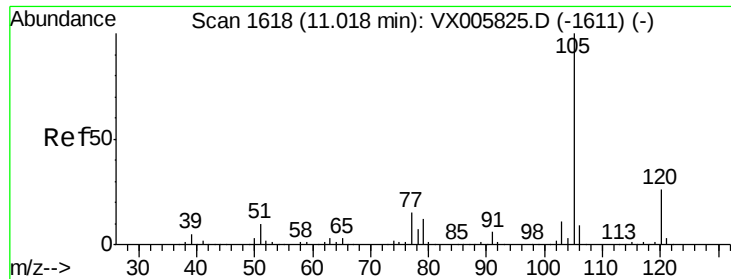
115 75.2 39.4 118.1

150 170.7 0.0 346.4



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

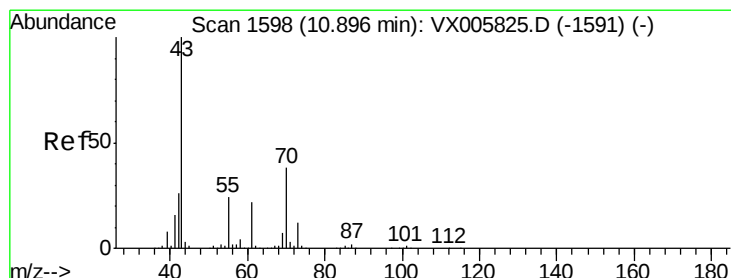
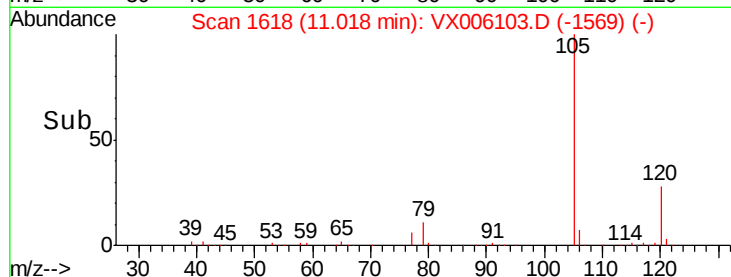
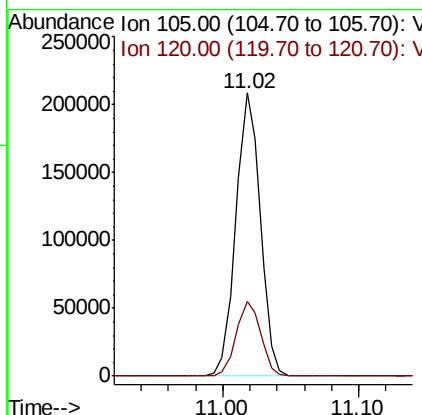
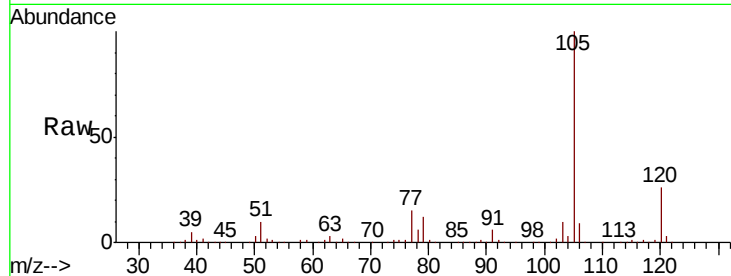




#73
Isopropylbenzene
Concen: 49.987 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX006103.D
Acq: 19 Nov 2018 20:33

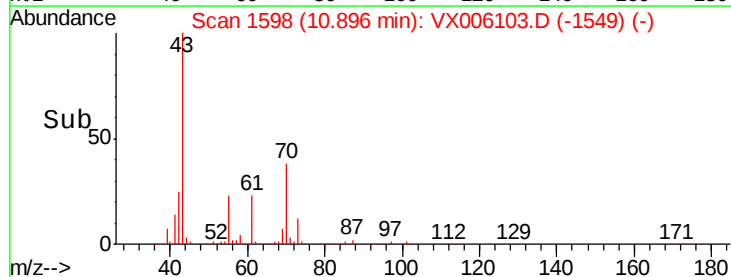
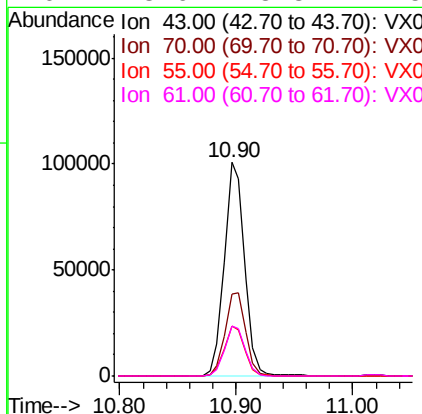
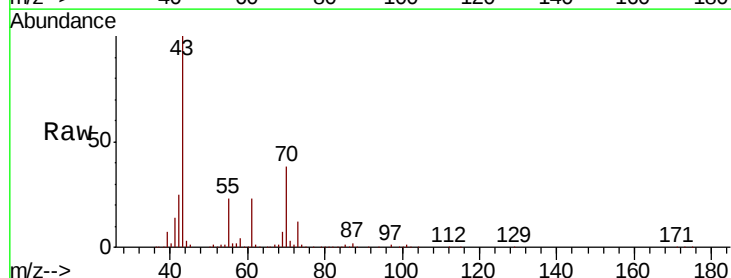
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

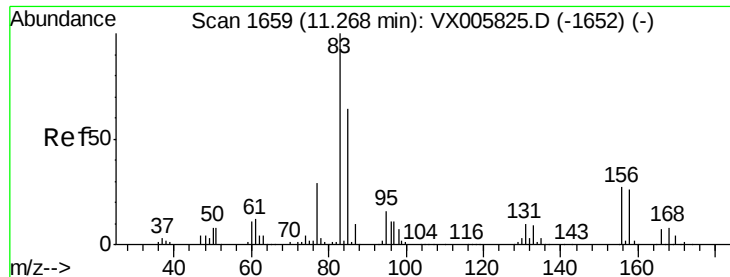
Tot Ion:105 Resp: 260956
Ion Ratio Lower Upper
105 100
120 26.6 13.1 39.3



#74
N-ethyl acetate
Concen: 41.380 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VX006103.D
Acq: 19 Nov 2018 20:33

Tgt Ion: 43 Resp: 120561
Ion Ratio Lower Upper
43 100
70 40.2 31.6 47.4
55 23.9 19.7 29.5
61 23.6 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 47.502 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX006103.D

Acq: 19 Nov 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

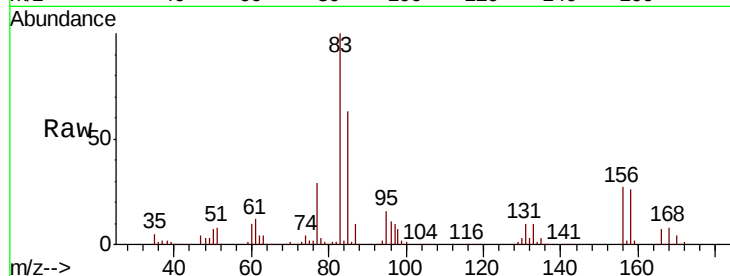
Tot Ion: 83 Resp: 91020

Ion Ratio Lower Upper

83 100

131 10.5 5.3 15.9

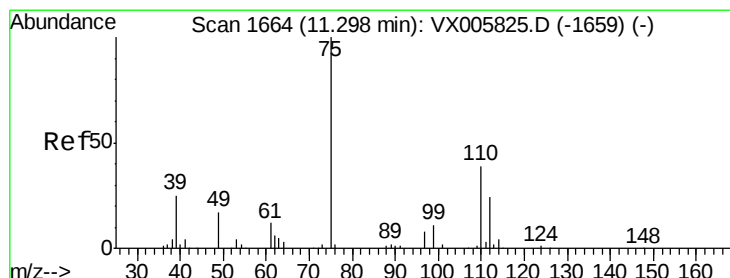
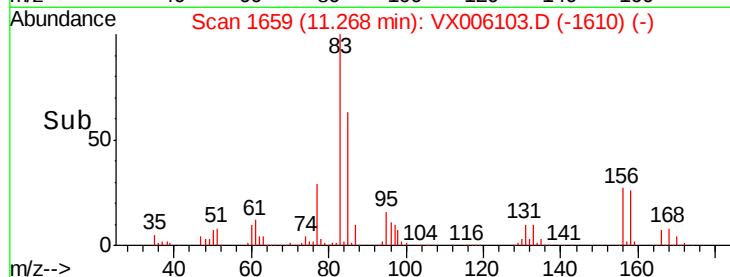
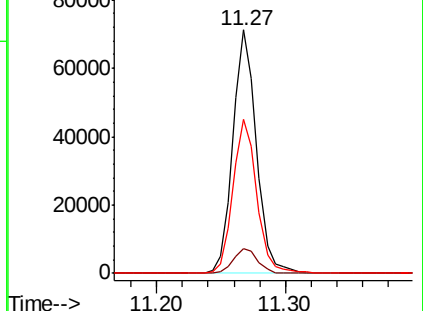
85 63.9 32.0 96.2



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 58.949 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX006103.D

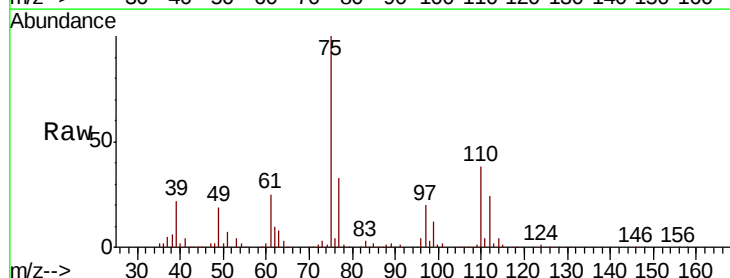
Acq: 19 Nov 2018 20:33

Tgt Ion: 75 Resp: 108358

Ion Ratio Lower Upper

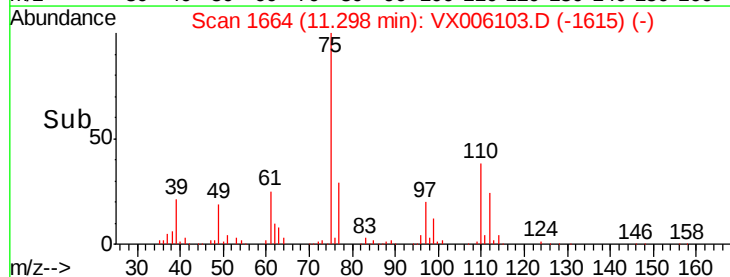
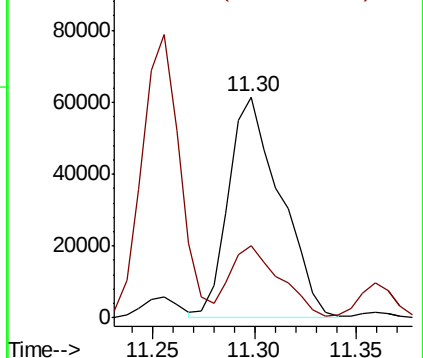
75 100

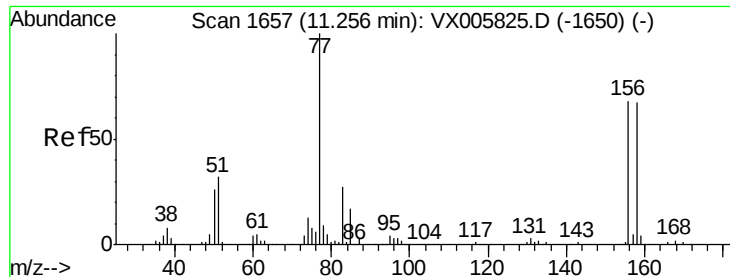
77 31.4 20.5 61.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 47.041 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX006103.D

Acq: 19 Nov 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

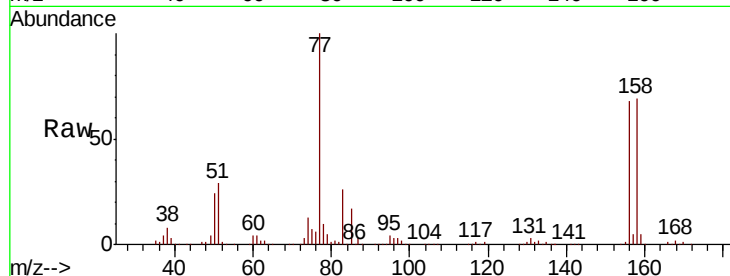
Tot Ion:156 Resp: 69217

Ion Ratio Lower Upper

156 100

77 147.6 74.8 224.4

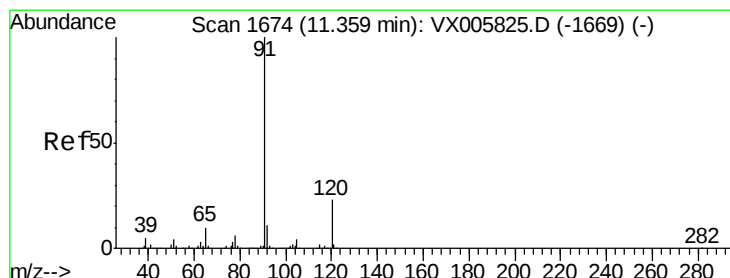
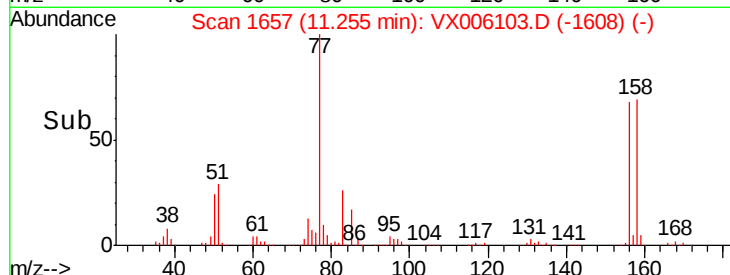
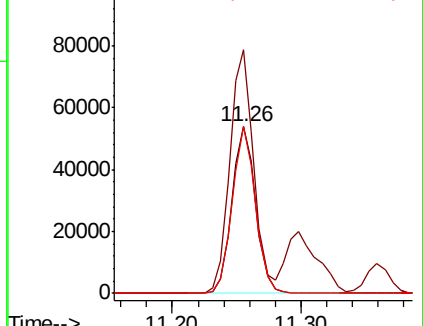
158 98.3 49.1 147.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.839 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX006103.D

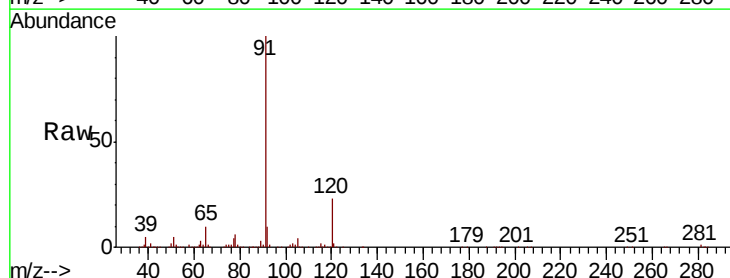
Acq: 19 Nov 2018 20:33

Tgt Ion: 91 Resp: 300481

Ion Ratio Lower Upper

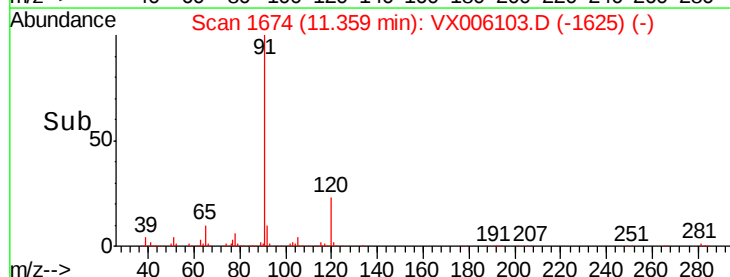
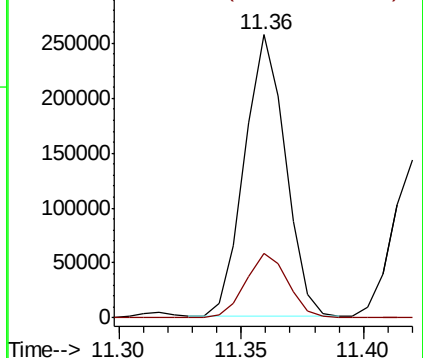
91 100

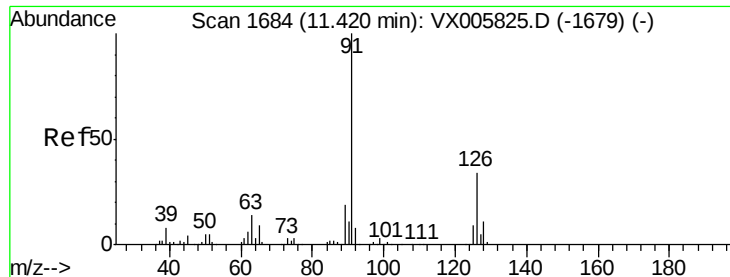
120 23.4 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

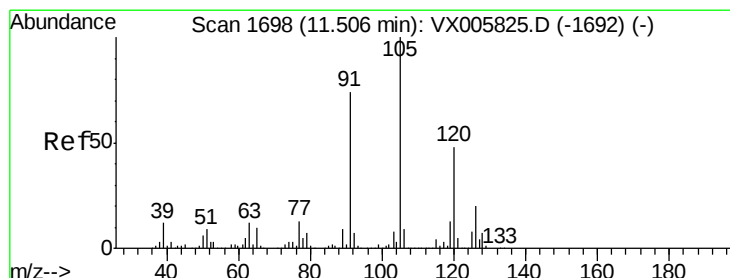
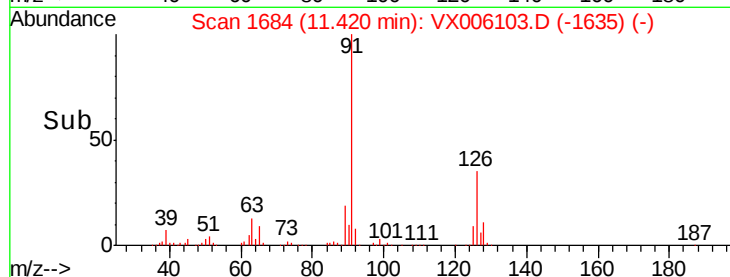
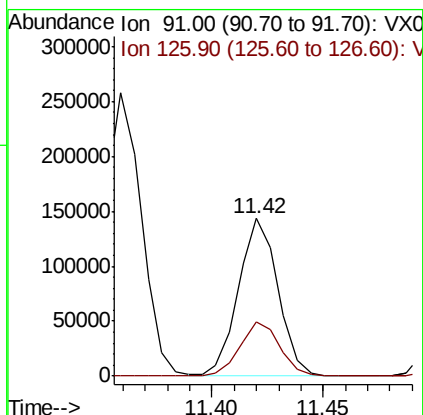
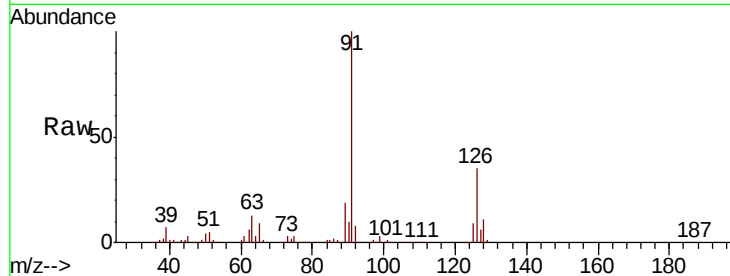




#79
 2-Chlorotoluene
 Concen: 47.830 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX006103.D
 Acq: 19 Nov 2018 20:33

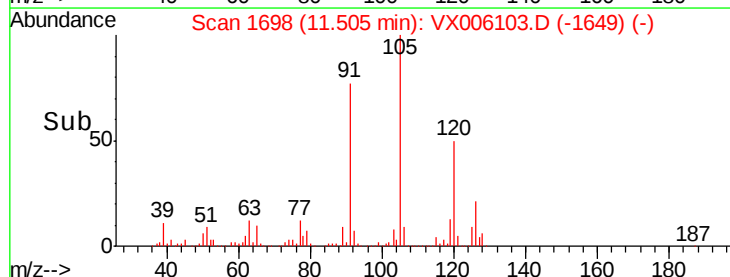
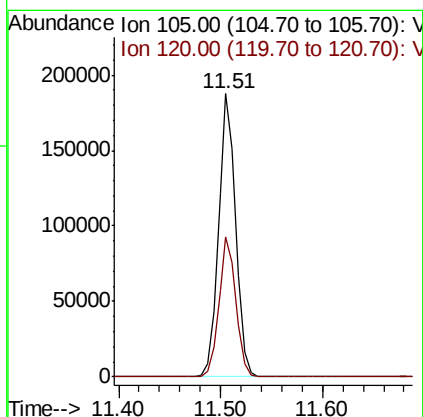
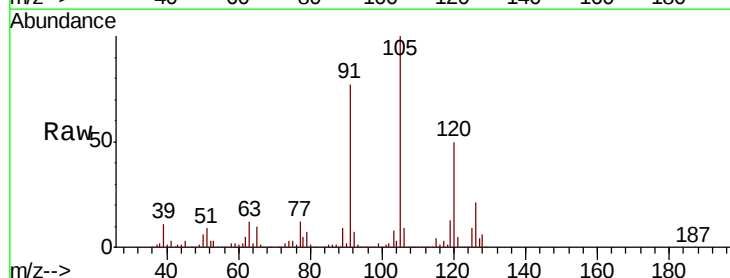
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

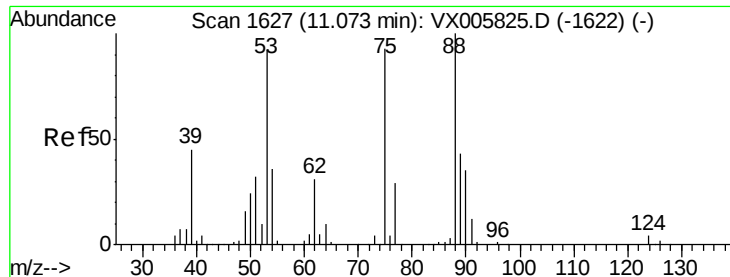
Tot Ion: 91 Resp: 177870
 Ion Ratio Lower Upper
 91 100
 126 34.8 17.3 52.0



#80
 1,3,5-Trimethylbenzene
 Concen: 49.726 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX006103.D
 Acq: 19 Nov 2018 20:33

Tgt Ion: 105 Resp: 220599
 Ion Ratio Lower Upper
 105 100
 120 49.1 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 45.982 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX006103.D

Acq: 19 Nov 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

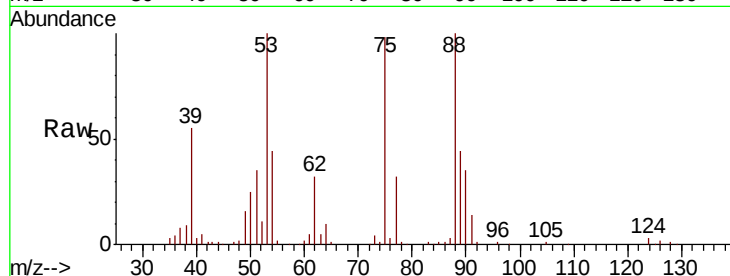
Tot Ion: 75 Resp: 26520

Ion Ratio Lower Upper

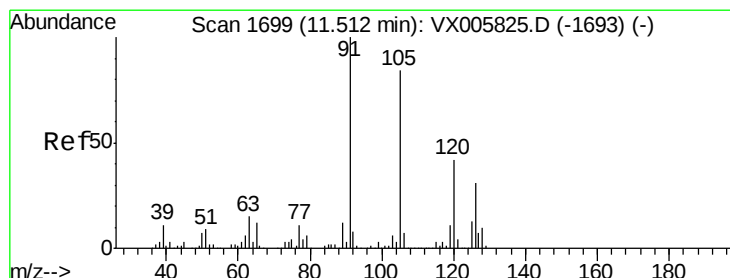
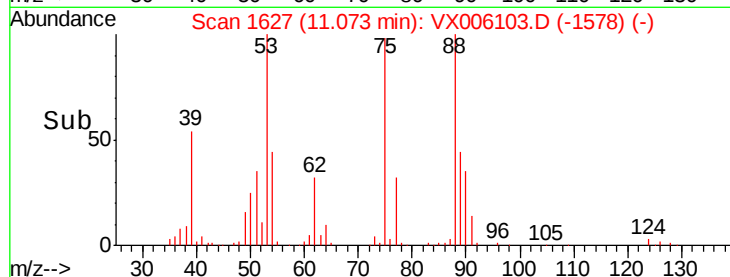
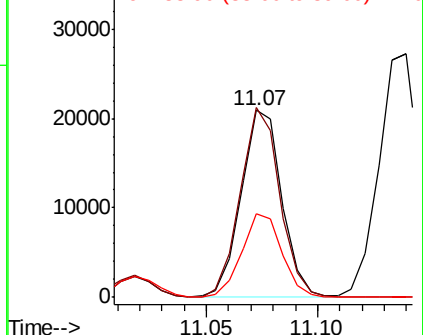
75 100

53 98.5 80.2 120.2

89 44.5 39.8 59.8



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: 47.954 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX006103.D

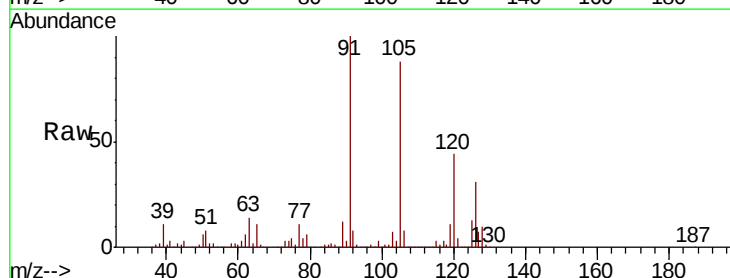
Acq: 19 Nov 2018 20:33

Tgt Ion: 91 Resp: 210166

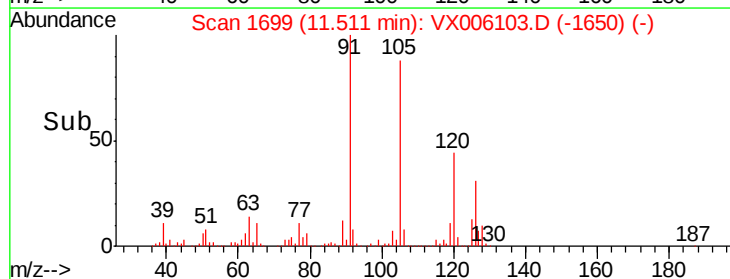
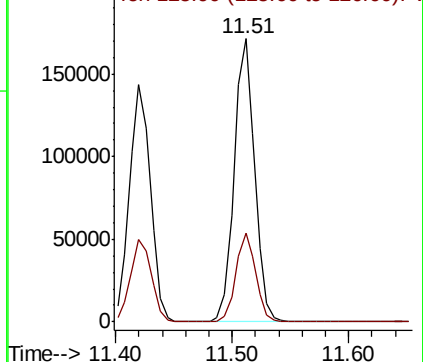
Ion Ratio Lower Upper

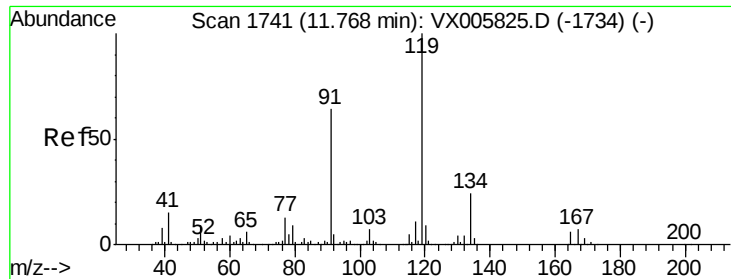
91 100

126 30.8 15.2 45.6



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

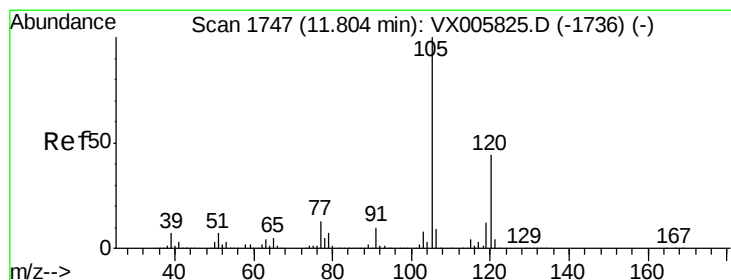
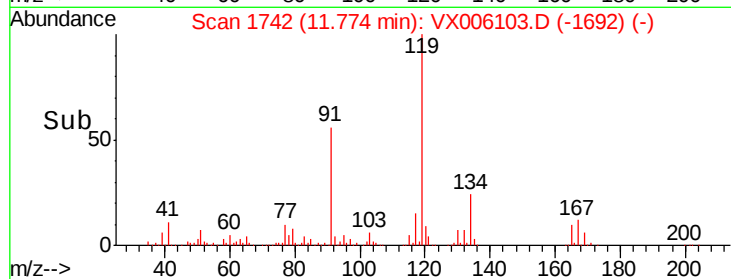
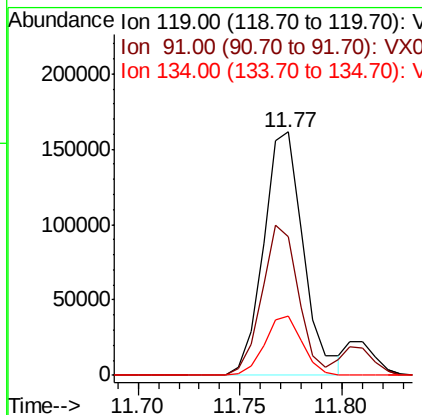
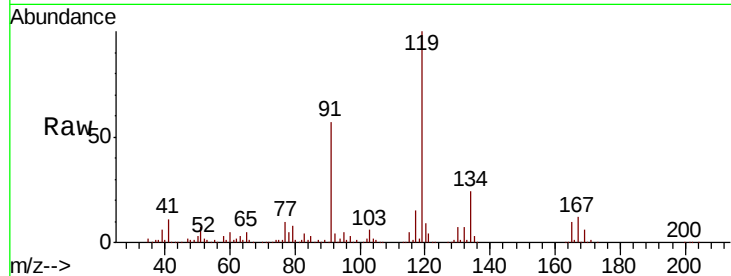




#83
tert-Butylbenzene
Concen: 48.881 ug/l
RT: 11.77 min Scan# 1742
Delta R.T. 0.01 min
Lab File: VX006103.D
Acq: 19 Nov 2018 20:33

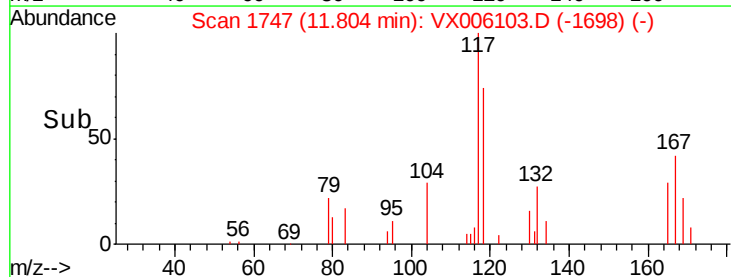
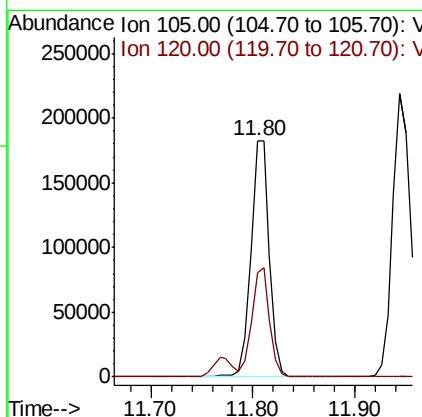
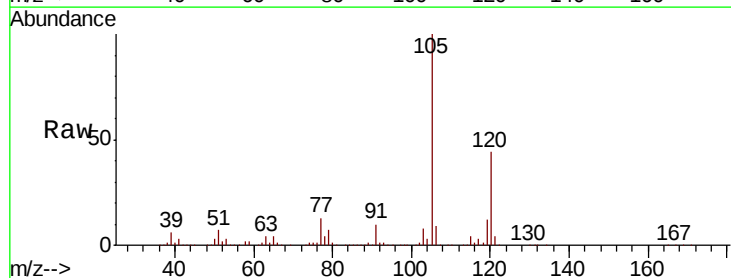
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

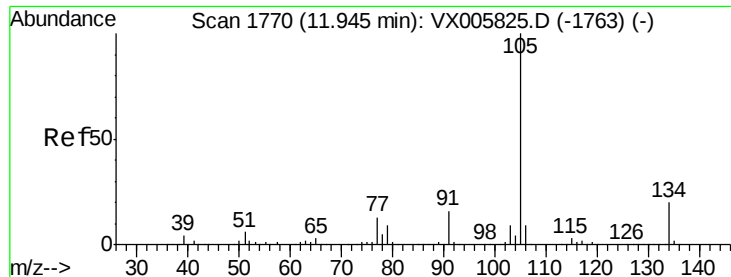
Tot Ion:119 Resp: 219380
Ion Ratio Lower Upper
119 100
91 56.8 28.5 85.5
134 23.2 11.3 33.8



#84
1,2,4-Trimethylbenzene
Concen: 47.053 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX006103.D
Acq: 19 Nov 2018 20:33

Tgt Ion:105 Resp: 230398
Ion Ratio Lower Upper
105 100
120 44.4 22.4 67.0





#85

sec-Butylbenzene

Concen: 48.624 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX006103.D

Acq: 19 Nov 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

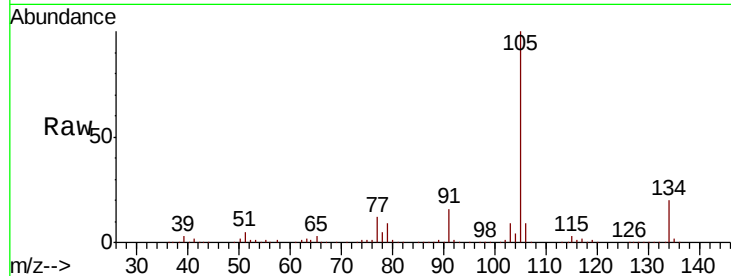
VSTDCCC050EC

Tot Ion:105 Resp: 266861

Ion Ratio Lower Upper

105 100

134 20.6 10.2 30.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

100000

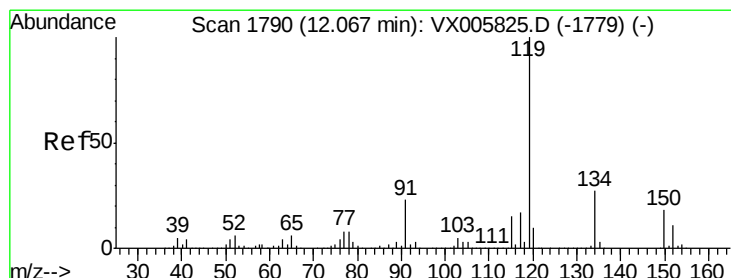
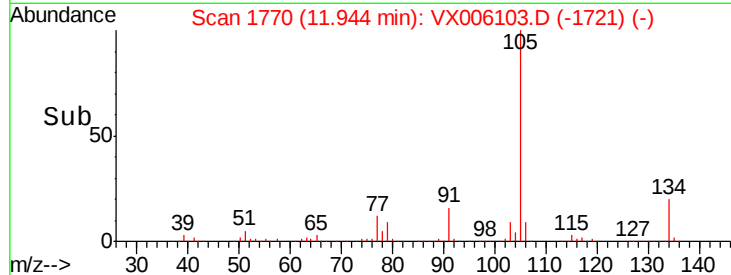
50000

0

11.90

12.00

Time-->



#86

p-Isopropyltoluene

Concen: 49.892 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX006103.D

Acq: 19 Nov 2018 20:33

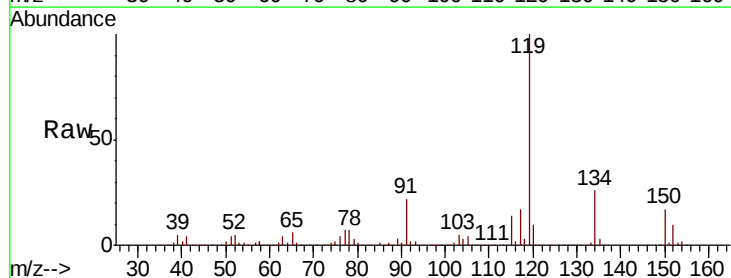
Tgt Ion:119 Resp: 242545

Ion Ratio Lower Upper

119 100

134 26.5 13.0 39.0

91 22.4 11.4 34.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

250000

200000

150000

100000

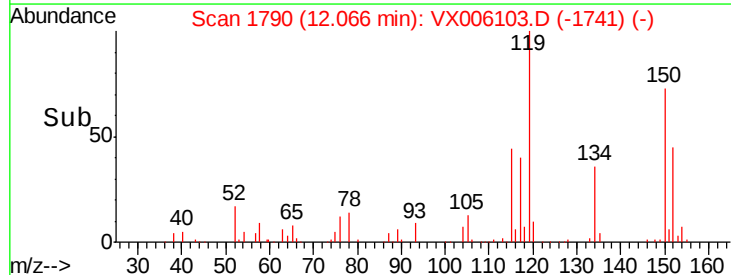
50000

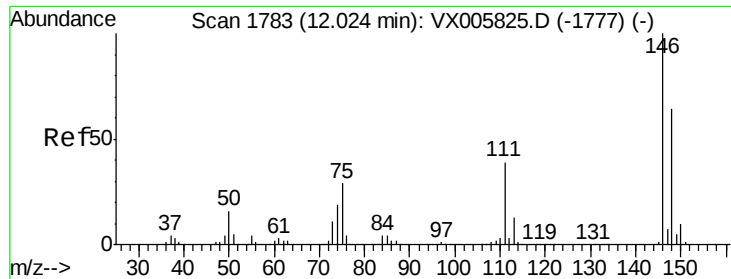
0

12.00

12.10

Time-->

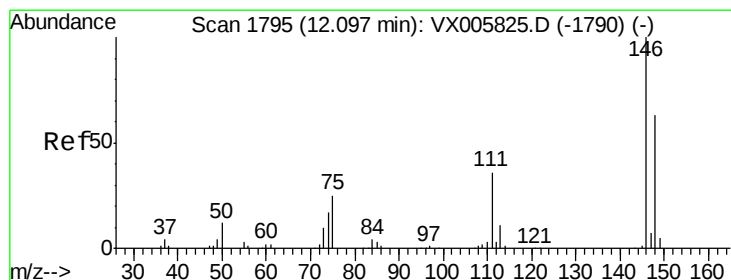
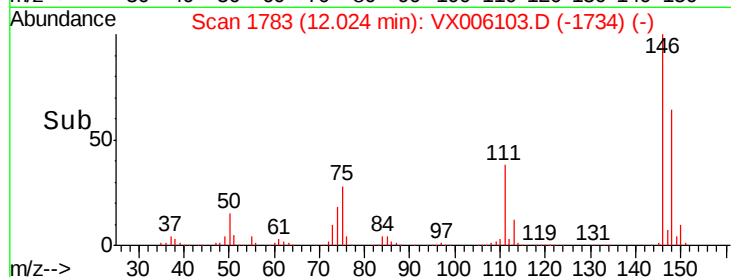
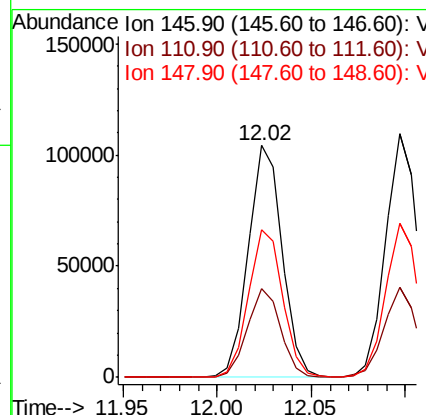
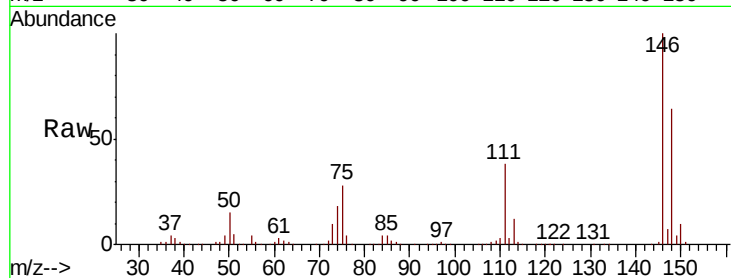




#87
 1,3-Dichlorobenzene
 Concen: 46.031 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX006103.D
 Acq: 19 Nov 2018 20:33

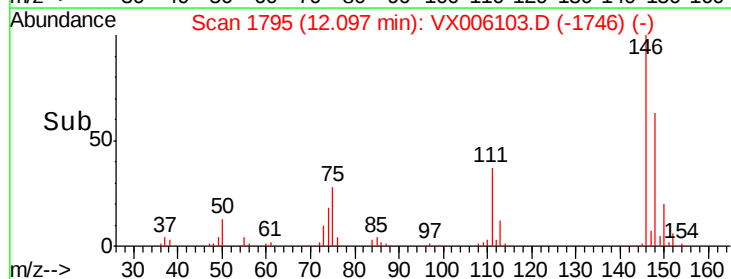
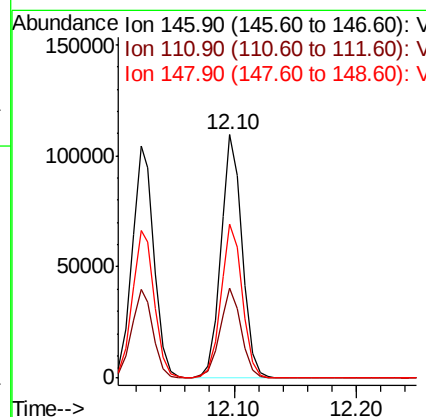
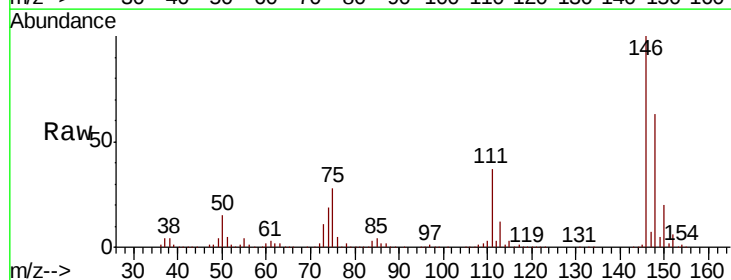
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

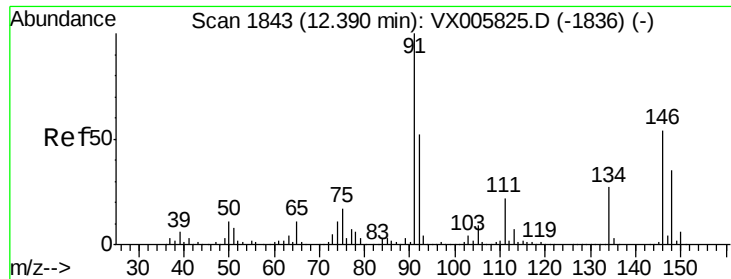
Tot Ion:146 Resp: 129988
 Ion Ratio Lower Upper
 146 100
 111 37.8 19.0 57.0
 148 64.4 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 45.800 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX006103.D
 Acq: 19 Nov 2018 20:33

Tgt Ion:146 Resp: 132401
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.6 55.8
 148 63.7 32.1 96.3

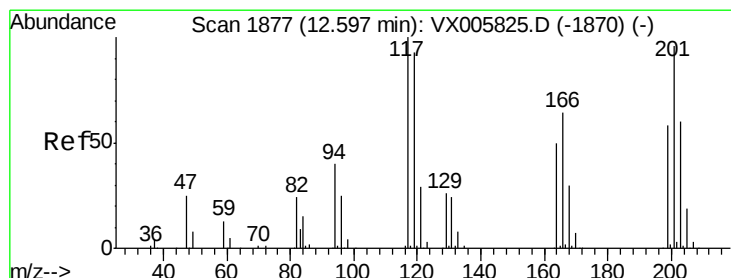
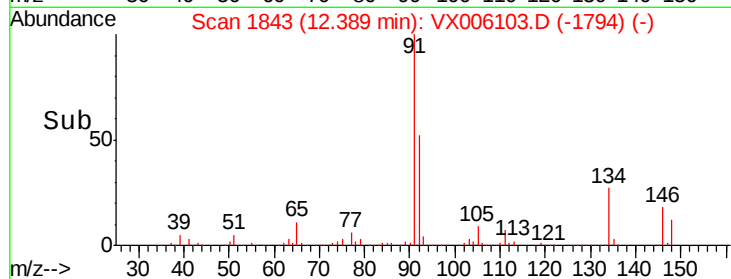
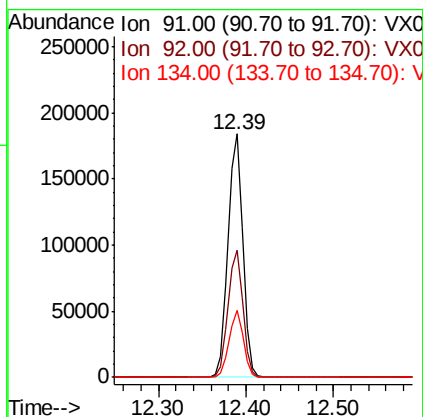
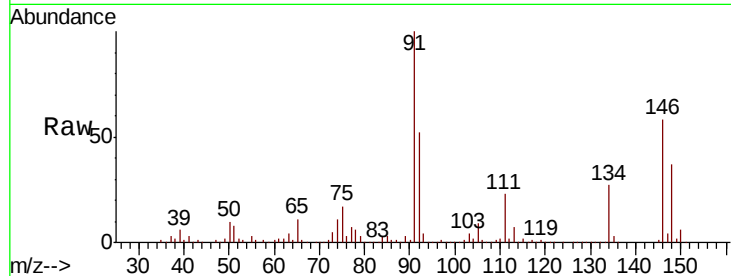




#89
n-Butylbenzene
Concen: 48.011 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX006103.D
Acq: 19 Nov 2018 20:33

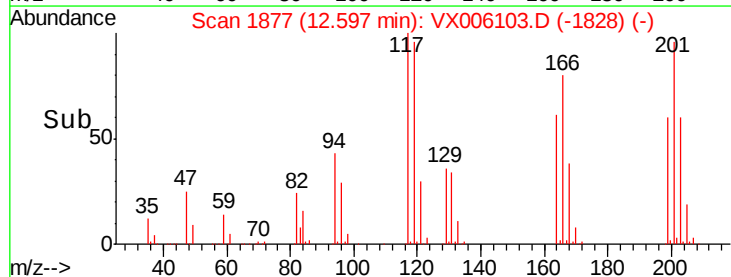
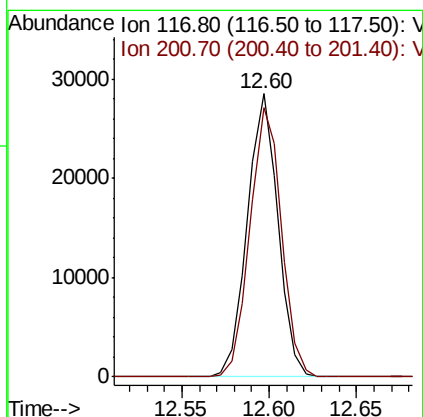
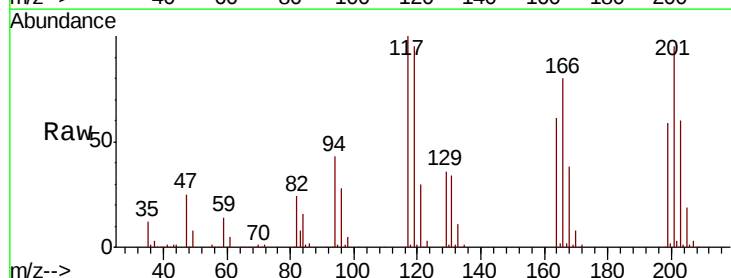
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

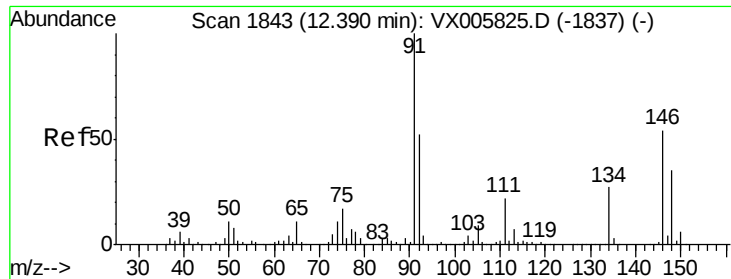
Tot Ion: 91 Resp: 216316
Ion Ratio Lower Upper
91 100
92 52.3 26.1 78.2
134 26.6 13.1 39.3



#90
Hexachloroethane
Concen: 42.963 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX006103.D
Acq: 19 Nov 2018 20:33

Tgt Ion: 117 Resp: 34870
Ion Ratio Lower Upper
117 100
201 98.0 47.9 143.6





#91

1,2-Dichlorobenzene

Concen: 46.219 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX006103.D

Acq: 19 Nov 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

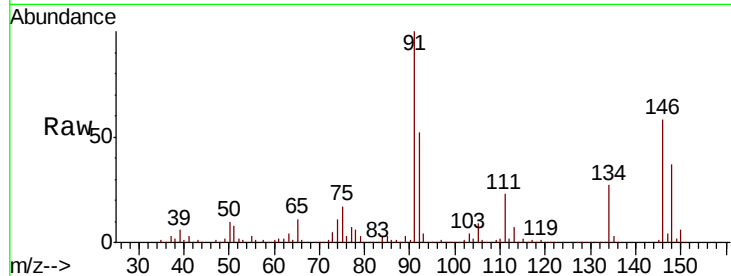
Tot Ion:146 Resp: 130749

Ion Ratio Lower Upper

146 100

111 39.3 20.0 59.9

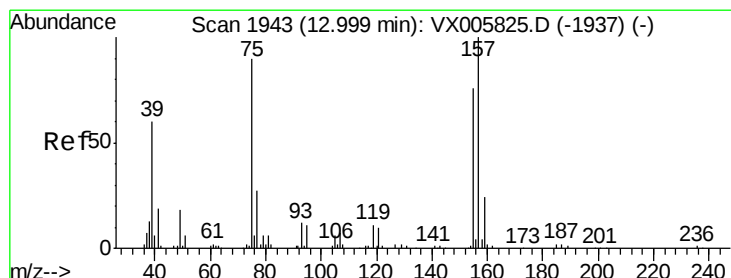
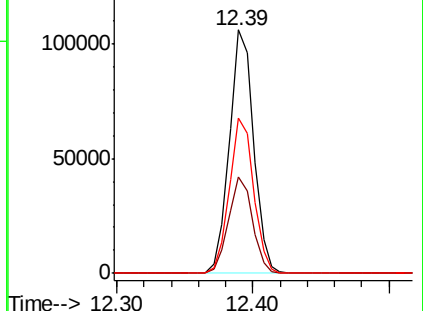
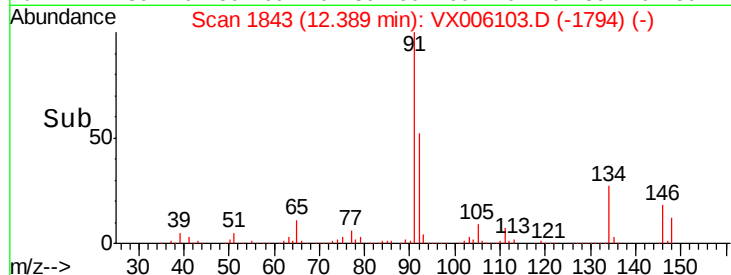
148 64.2 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 45.930 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX006103.D

Acq: 19 Nov 2018 20:33

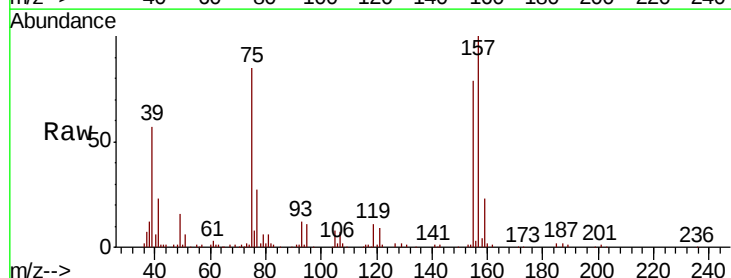
Tgt Ion: 75 Resp: 21476

Ion Ratio Lower Upper

75 100

155 96.3 45.4 136.1

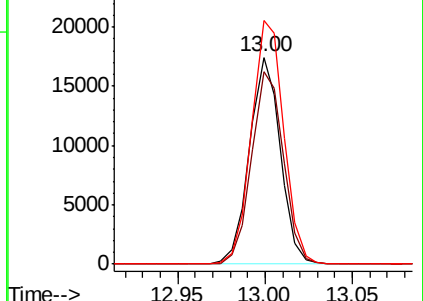
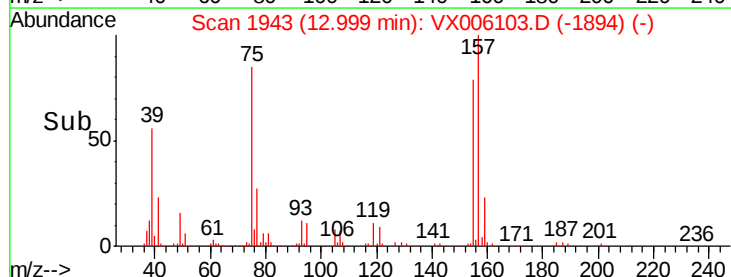
157 123.3 57.4 172.0

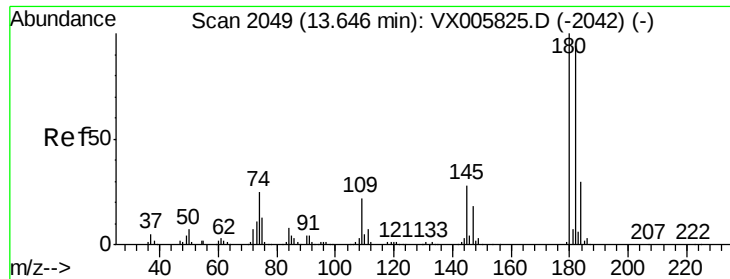


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

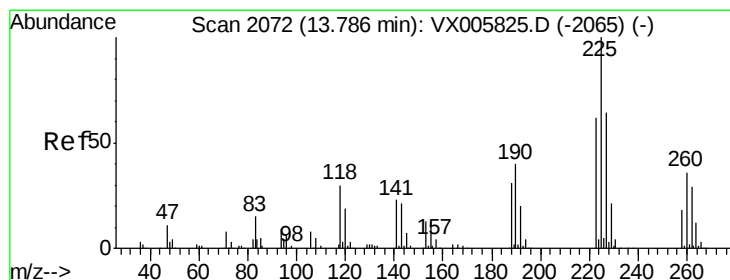
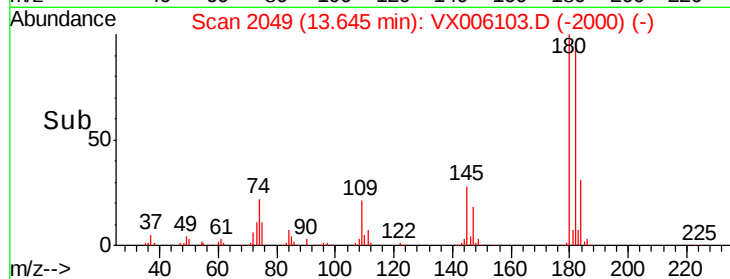
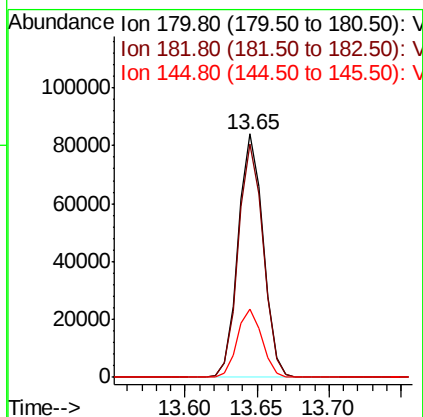
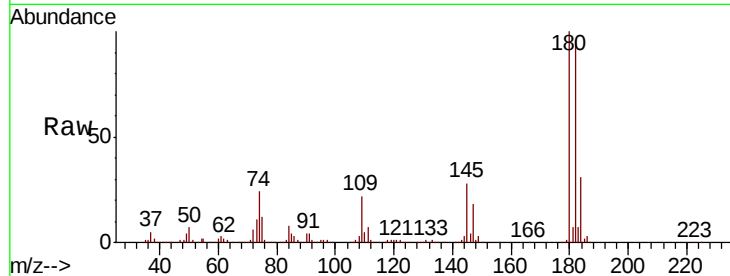




#93
 1,2,4-Trichlorobenzene
 Concen: 51.009 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX006103.D
 Acq: 19 Nov 2018 20:33

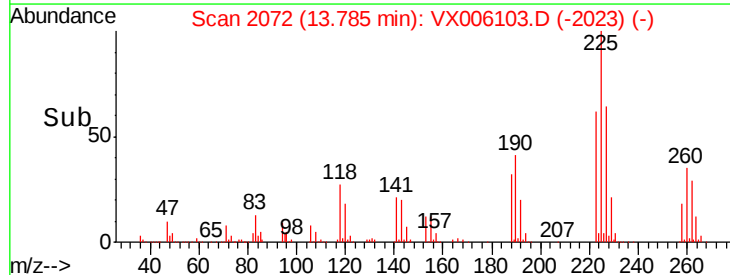
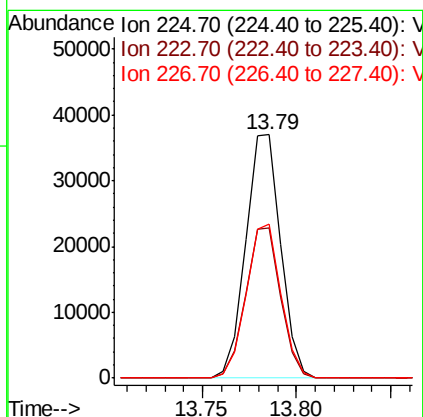
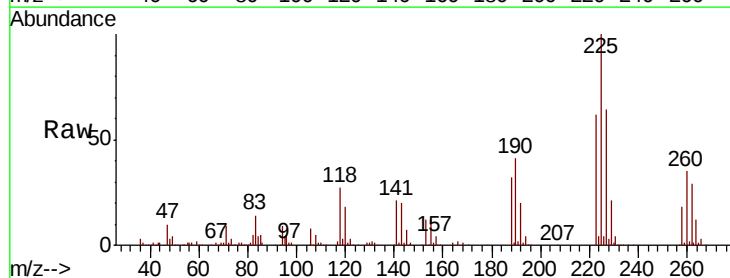
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

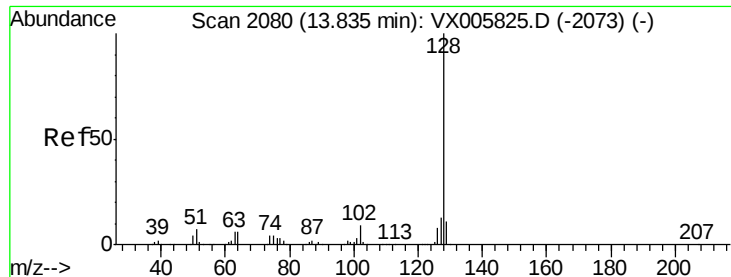
Tot Ion:180 Resp: 101583
 Ion Ratio Lower Upper
 180 100
 182 96.3 47.6 142.8
 145 28.0 14.1 42.2



#94
 Hexachlorobutadiene
 Concen: 45.481 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX006103.D
 Acq: 19 Nov 2018 20:33

Tgt Ion:225 Resp: 47578
 Ion Ratio Lower Upper
 225 100
 223 61.6 31.7 95.1
 227 62.5 32.3 96.9





#95

Naphthalene

Concen: 48.730 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX006103.D

Acq: 19 Nov 2018 20:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

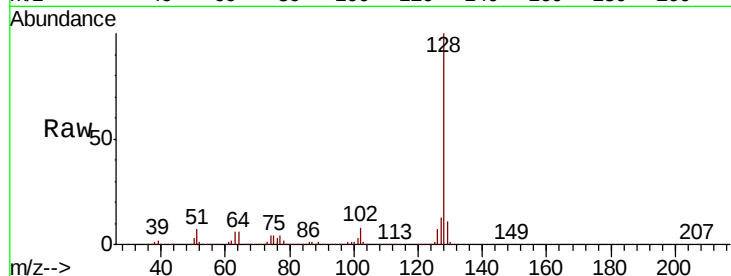
Tot Ion:128 Resp: 316289

Ion Ratio Lower Upper

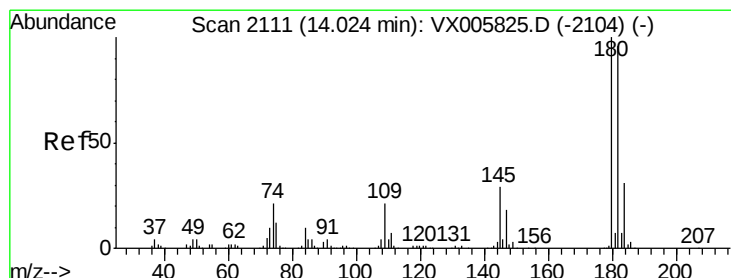
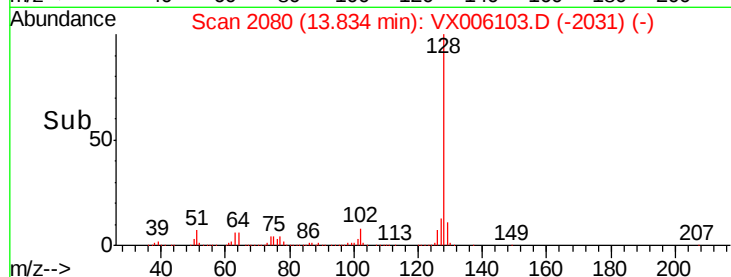
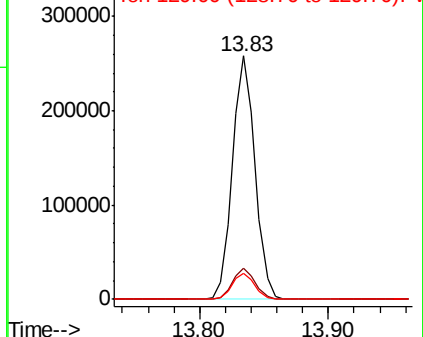
128 100

127 13.0 10.4 15.6

129 10.9 8.7 13.1



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: 50.904 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VX006103.D

Acq: 19 Nov 2018 20:33

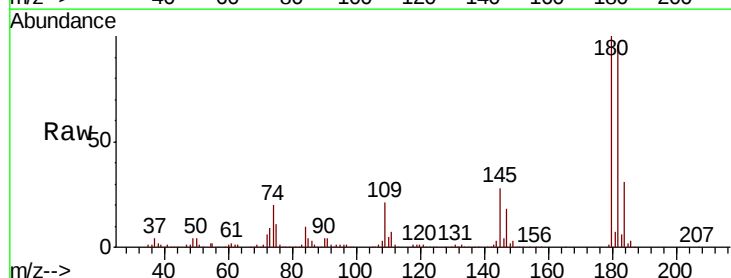
Tgt Ion:180 Resp: 103278

Ion Ratio Lower Upper

180 100

182 95.9 48.0 144.2

145 29.9 15.1 45.3



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

