

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062218\
 Data File : VX002835.D
 Acq On : 22 Jun 2018 16:31
 Operator : JC/MD
 Sample : VSTDCCC0050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Jun 23 00:23:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:37:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	257586	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	342227	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	331470	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	220534	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	165818	42.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.72%	
35) Dibromofluoromethane	5.51	113	133863	49.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.02%	
50) Toluene-d8	8.72	98	484219	46.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.38%	
62) 4-Bromofluorobenzene	11.14	95	196247	49.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.88%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	130796	47.83	ug/l	99
3) Chloromethane	1.32	50	137974	42.42	ug/l	100
4) Vinyl Chloride	1.40	62	149112	44.17	ug/l	100
5) Bromomethane	1.64	94	155209	76.21	ug/l	99
6) Chloroethane	1.71	64	96443	43.35	ug/l	100
7) Trichlorofluoromethane	1.92	101	267935	48.86	ug/l	98
8) Diethyl Ether	2.19	74	94888	45.49	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	152841	49.86	ug/l	100
10) Methyl Iodide	2.51	142	204840	49.56	ug/l	100
11) Tert butyl alcohol	3.07	59	175941	217.43	ug/l	99
12) 1,1-Dichloroethene	2.37	96	131607	45.73	ug/l	99
13) Acrolein	2.29	56	68614	182.77	ug/l	99
14) Allyl chloride	2.73	41	266463	46.63	ug/l	99
15) Acrylonitrile	3.15	53	397142	224.91	ug/l	99
16) Acetone	2.45	43	373716	216.40	ug/l	99
17) Carbon Disulfide	2.57	76	348367	51.03	ug/l	99
18) Methyl Acetate	2.78	43	228588	49.68	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	490845	45.46	ug/l	99
20) Methylene Chloride	2.85	84	150503	42.50	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	144490	46.27	ug/l	99
22) Diisopropyl ether	3.87	45	521908	50.48	ug/l	97
23) Vinyl Acetate	3.82	43	2202268	254.49	ug/l	99
24) 1,1-Dichloroethane	3.70	63	278739	49.67	ug/l	99
25) 2-Butanone	4.71	43	571725	252.09	ug/l	98
26) 2,2-Dichloropropane	4.59	77	224945	55.79	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	161188	50.74	ug/l	97
28) Bromochloromethane	5.02	49	120322	45.78	ug/l	95
29) Tetrahydrofuran	5.16	42	369459	248.56	ug/l	97
30) Chloroform	5.21	83	284284	52.53	ug/l	97
31) Cyclohexane	5.57	56	242246	52.43	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	251928	55.66	ug/l	100
36) 1,1-Dichloropropene	5.80	75	209498	57.64	ug/l	98
37) Ethyl Acetate	4.86	43	224487	54.57	ug/l	100
38) Carbon Tetrachloride	5.78	117	229363	63.37	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062218\
 Data File : VX002835.D
 Acq On : 22 Jun 2018 16:31
 Operator : JC/MD
 Sample : VSTDCCC0050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Jun 23 00:23:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:37:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	256566	60.38	ug/l	97
40) Benzene	6.14	78	612441	56.20	ug/l	99
41) Methacrylonitrile	5.06	41	129450	55.73	ug/l	99
42) 1,2-Dichloroethane	6.20	62	240058	56.89	ug/l	100
43) Isopropyl Acetate	6.46	43	377518	55.39	ug/l	100
44) Trichloroethene	7.21	130	181239	57.62	ug/l	98
45) 1,2-Dichloropropane	7.52	63	161843	56.42	ug/l	100
46) Dibromomethane	7.67	93	111133	57.92	ug/l	98
47) Bromodichloromethane	7.90	83	214244	63.31	ug/l	98
48) Methyl methacrylate	7.78	41	201614	57.88	ug/l	98
49) 1,4-Dioxane	7.76	88	69914	1059.93	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	1213597	277.31	ug/l	99
52) Toluene	8.79	92	403594	58.05	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	250461	55.63	ug/l	99
54) cis-1,3-Dichloropropene	9.04	75	234301	54.52	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	162558	57.87	ug/l	98
56) Ethyl methacrylate	9.18	69	244544	56.57	ug/l	97
57) 1,3-Dichloropropane	9.37	76	269033	56.63	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	531130	254.02	ug/l	99
59) 2-Hexanone	9.50	43	942191	285.71	ug/l	98
60) Dibromochloromethane	9.59	129	177977	55.85	ug/l	100
61) 1,2-Dibromoethane	9.68	107	173409	59.60	ug/l	100
64) Tetrachloroethene	9.34	164	208489	56.66	ug/l	98
65) Chlorobenzene	10.14	112	468073	57.50	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	172566	62.18	ug/l	99
67) Ethyl Benzene	10.26	91	805766	58.68	ug/l	100
68) m/p-Xylenes	10.36	106	625222	118.05	ug/l	99
69) o-Xylene	10.70	106	302737	58.18	ug/l	98
70) Styrene	10.71	104	501434	58.59	ug/l	99
71) Bromoform	10.86	173	137457	53.98	ug/l	100
73) Isopropylbenzene	11.02	105	834560	56.58	ug/l	100
74) N-amyl acetate	6.46	43	377518	51.52	ug/l #	100
75) 1,1,1,2-Tetrachloroethane	11.27	83	242520	55.68	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	287264	69.03	ug/l	80
77) Bromobenzene	11.26	156	227467	55.36	ug/l	98
78) n-propylbenzene	11.37	91	964007	56.99	ug/l	99
79) 2-Chlorotoluene	11.43	91	559744	55.42	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	711380	57.07	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	69877	53.42	ug/l	95
82) 4-Chlorotoluene	11.51	91	673884	56.55	ug/l	99
83) tert-Butylbenzene	11.77	119	692191	57.64	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	735758	57.85	ug/l	99
85) sec-Butylbenzene	11.95	105	851641	57.04	ug/l	99
86) p-Isopropyltoluene	12.07	119	785992	58.18	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	425252	56.43	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	429514	56.02	ug/l	99
89) n-Butylbenzene	12.39	91	688833	57.80	ug/l	99
90) Hexachloroethane	12.60	117	115383	54.54	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	424687	55.99	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	55091	60.38	ug/l	98

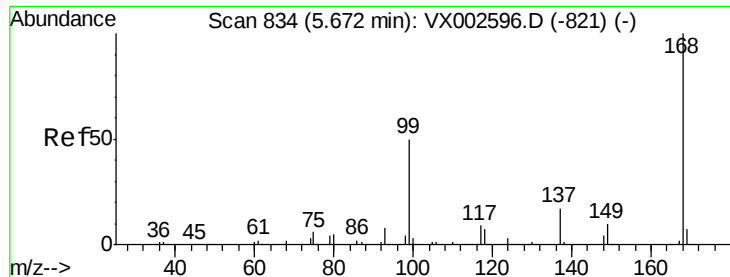
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062218\
Data File : VX002835.D
Acq On : 22 Jun 2018 16:31
Operator : JC/MD
Sample : VSTDCCC0050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Jun 23 00:23:59 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:37:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	322229	58.54	ug/l	99
94) Hexachlorobutadiene	13.79	225	167564	57.79	ug/l	99
95) Naphthalene	13.84	128	866128	58.47	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	319527	57.80	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002835.D

Acq: 22 Jun 2018 16:31

Instrument :

MSVOA_X

ClientSampleId :

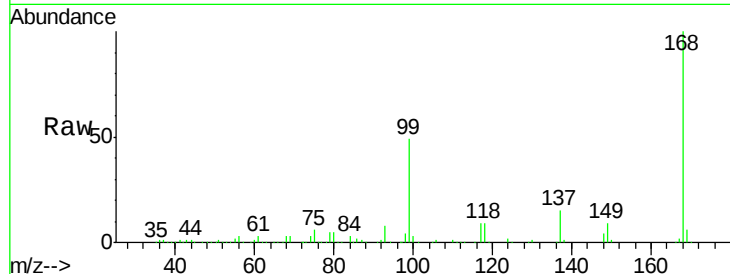
VSTDCCC050

Tot Ion:168 Resp: 257586

Ion Ratio Lower Upper

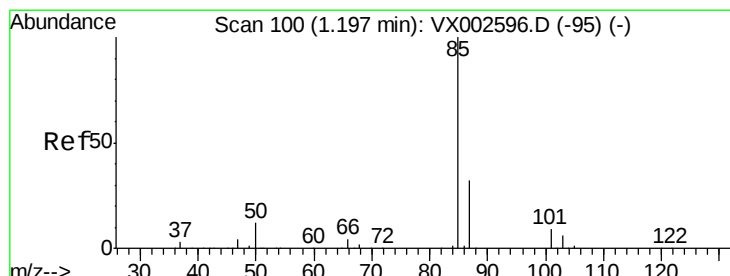
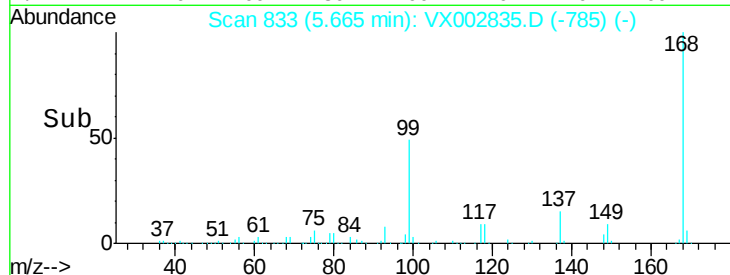
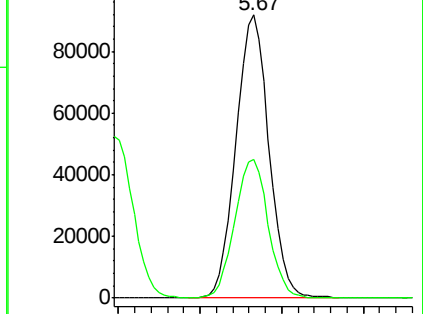
168 100

99 48.7 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 47.83 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002835.D

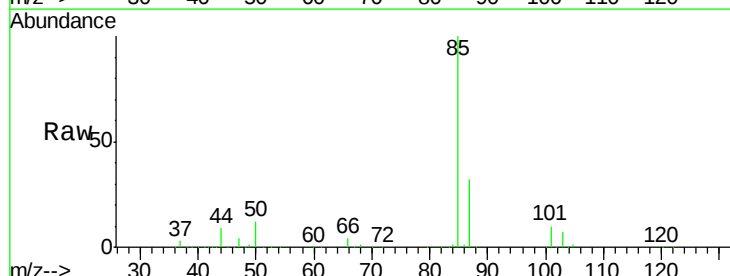
Acq: 22 Jun 2018 16:31

Tgt Ion: 85 Resp: 130796

Ion Ratio Lower Upper

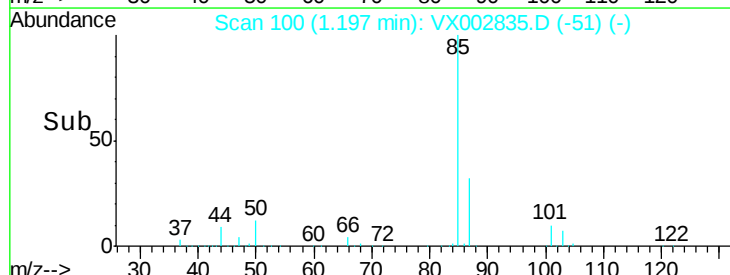
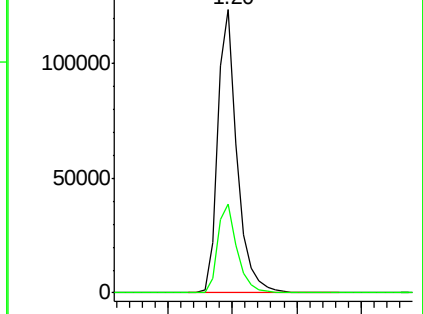
85 100

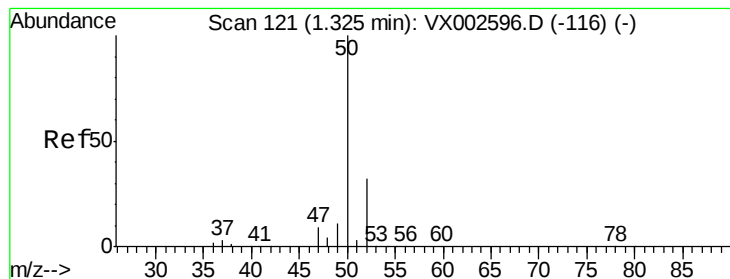
87 31.6 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 42.42 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX002835.D

Acq: 22 Jun 2018 16:31

Instrument :

MSVOA_X

ClientSampleId :

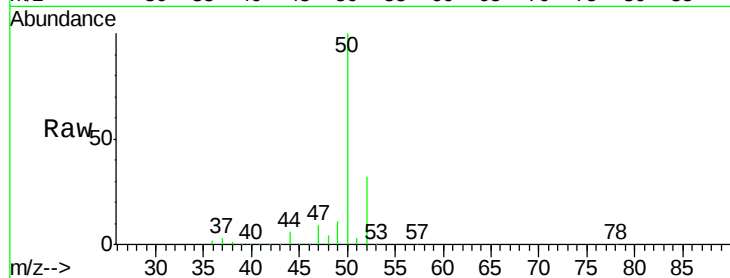
VSTDCCC050

Tot Ion: 50 Resp: 137974

Ion Ratio Lower Upper

50 100

52 32.0 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

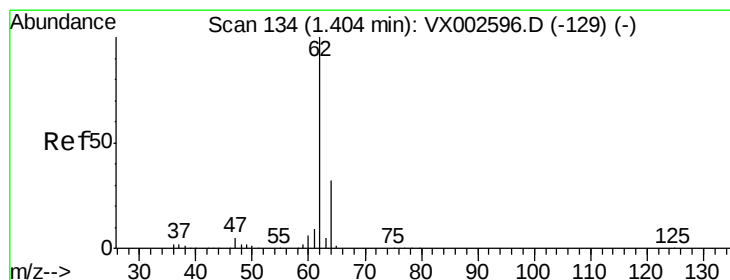
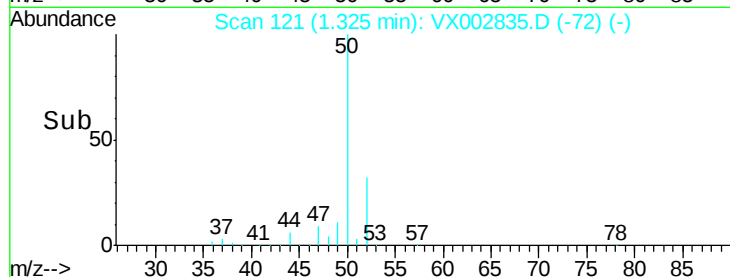
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 44.17 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX002835.D

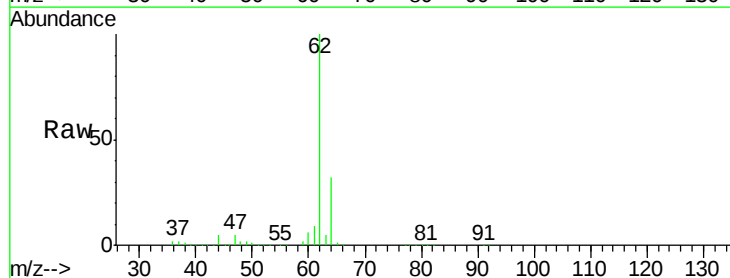
Acq: 22 Jun 2018 16:31

Tgt Ion: 62 Resp: 149112

Ion Ratio Lower Upper

62 100

64 31.9 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

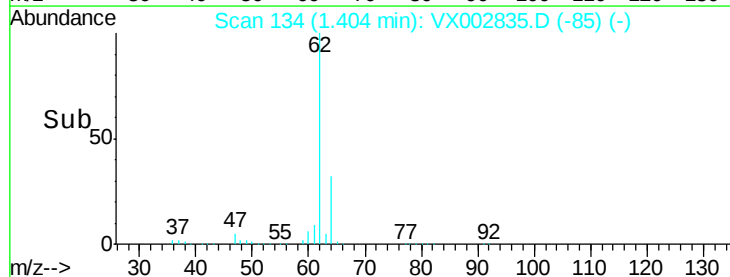
150000

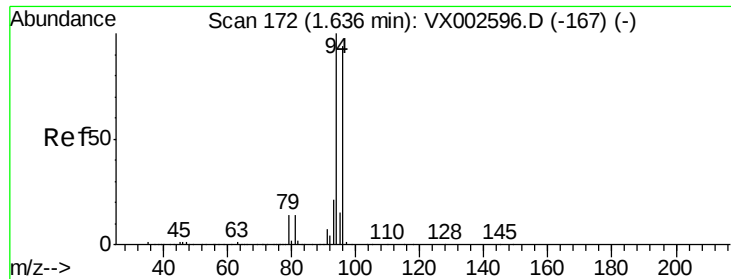
100000

50000

0

Time-->





#5

Bromomethane

Concen: 76.21 ug/l

RT: 1.64 min Scan# 172

Delta R.T. -0.00 min

Lab File: VX002835.D

Acq: 22 Jun 2018 16:31

Instrument :

MSVOA_X

ClientSampleId :

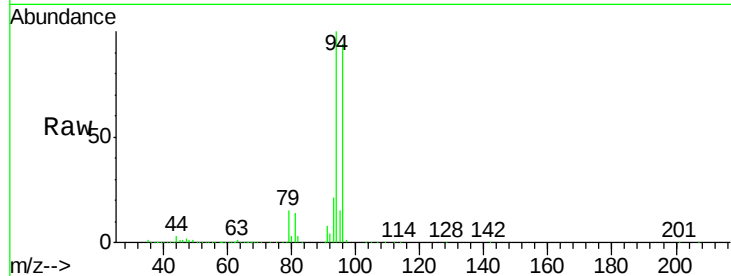
VSTDCCC050

Tot Ion: 94 Resp: 155209

Ion Ratio Lower Upper

94 100

96 94.2 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

150000

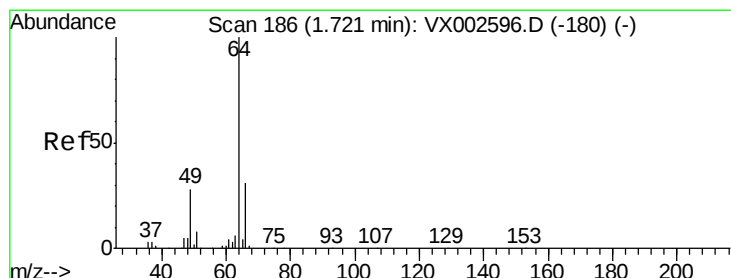
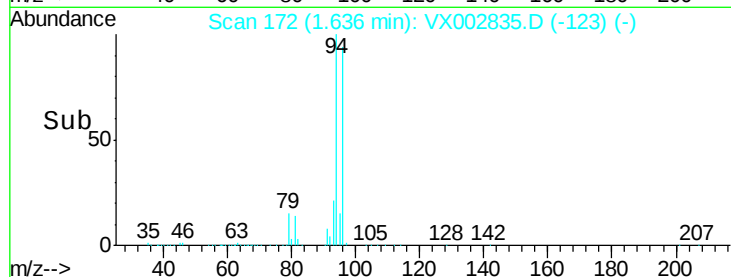
100000

50000

0

Time-->

1.60 1.65 1.70



#6

Chloroethane

Concen: 43.35 ug/l

RT: 1.71 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX002835.D

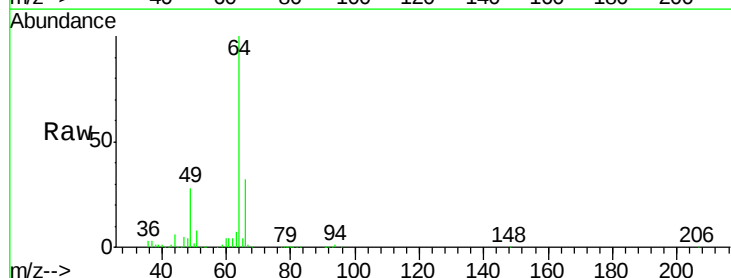
Acq: 22 Jun 2018 16:31

Tgt Ion: 64 Resp: 96443

Ion Ratio Lower Upper

64 100

66 32.1 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

80000

60000

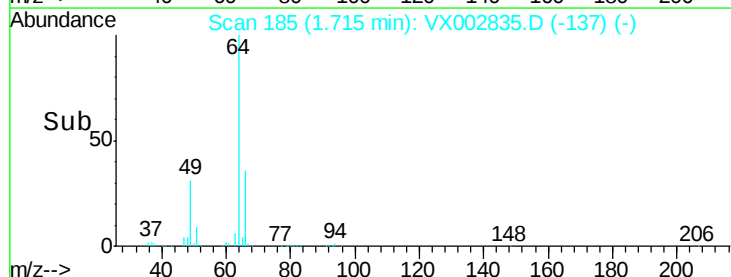
40000

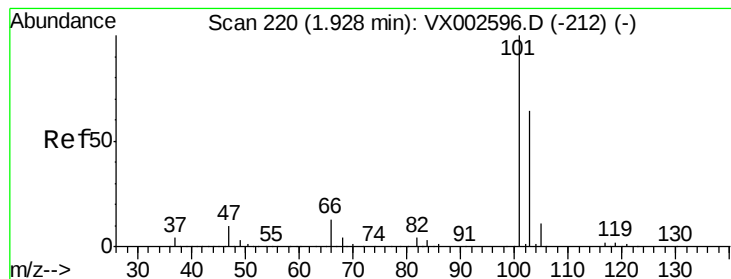
20000

0

Time-->

1.70 1.80



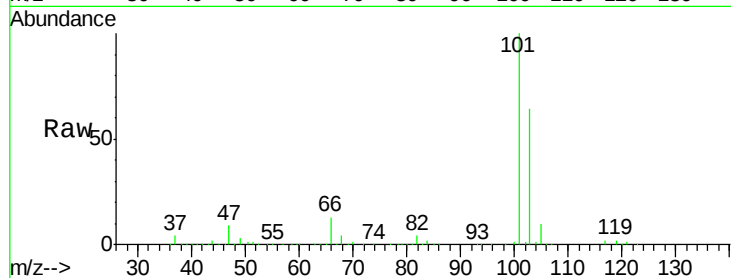


#7

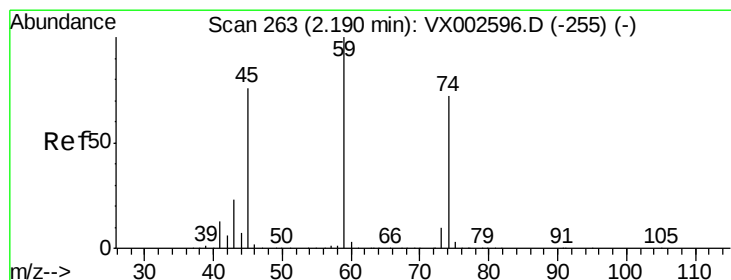
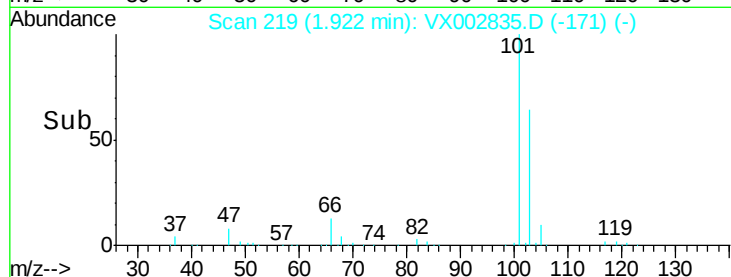
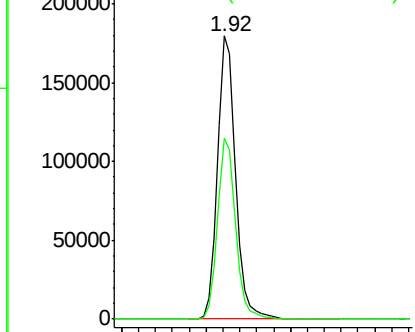
Trichlorofluoromethane
 Concen: 48.86 ug/l
 RT: 1.92 min Scan# 219
 Delta R.T. -0.01 min
 Lab File: VX002835.D
 Acq: 22 Jun 2018 16:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:101 Resp: 267935
 Ion Ratio Lower Upper
 101 100
 103 64.0 52.8 79.2



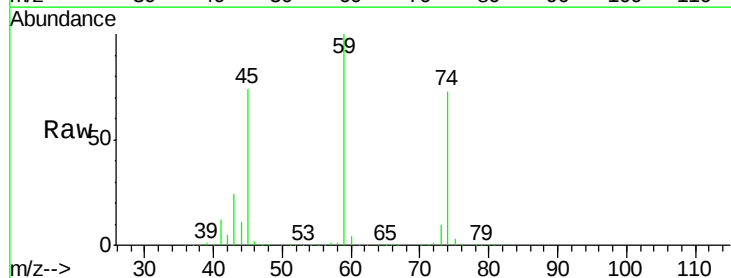
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



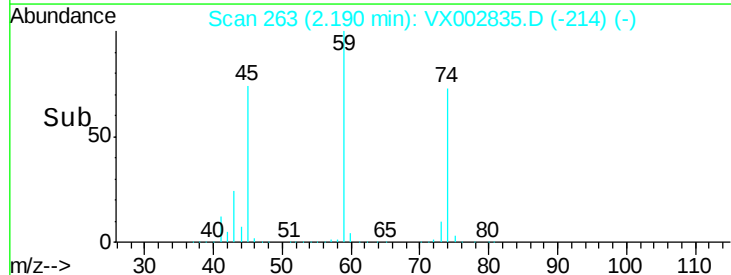
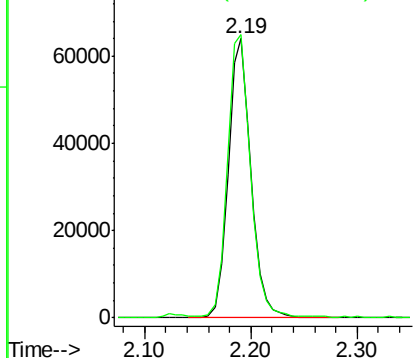
#8

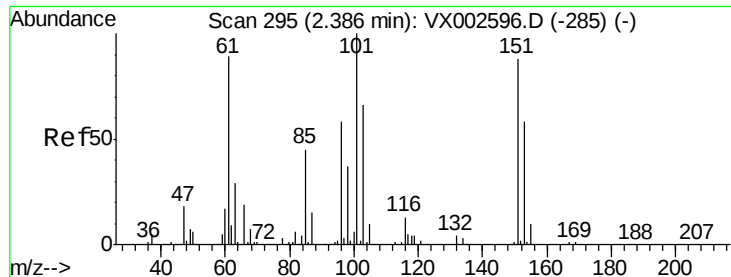
Diethyl Ether
 Concen: 45.49 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. -0.00 min
 Lab File: VX002835.D
 Acq: 22 Jun 2018 16:31

Tgt Ion: 74 Resp: 94888
 Ion Ratio Lower Upper
 74 100
 45 103.4 53.1 159.4



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.86 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.01 min

Lab File: VX002835.D

Acq: 22 Jun 2018 16:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

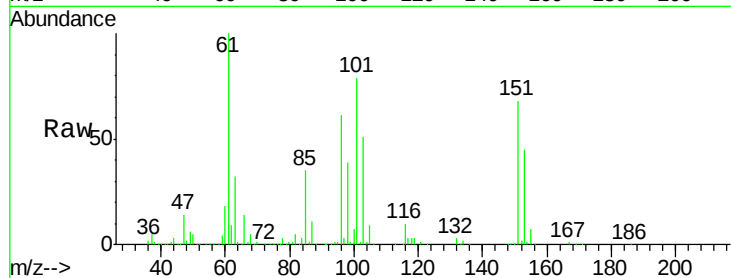
Tot Ion:101 Resp: 152841

Ion Ratio Lower Upper

101 100

85 44.9 36.0 54.0

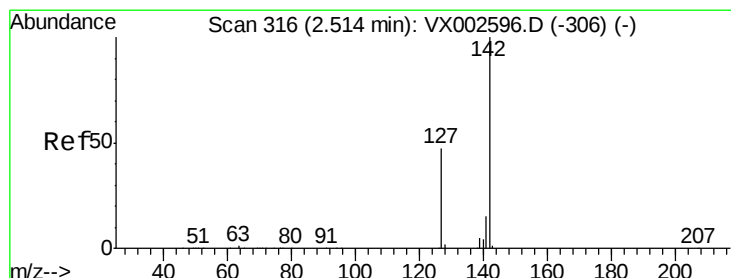
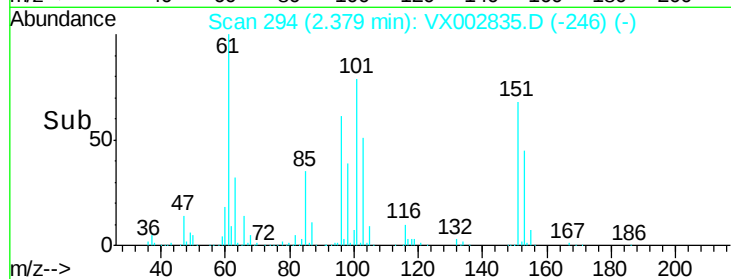
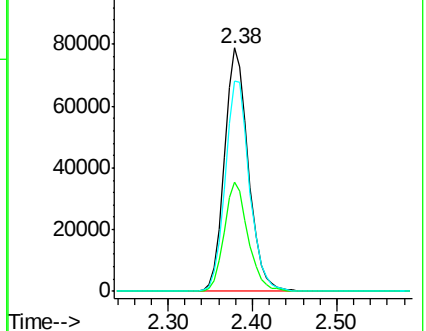
151 88.3 70.9 106.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.56 ug/l

RT: 2.51 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX002835.D

Acq: 22 Jun 2018 16:31

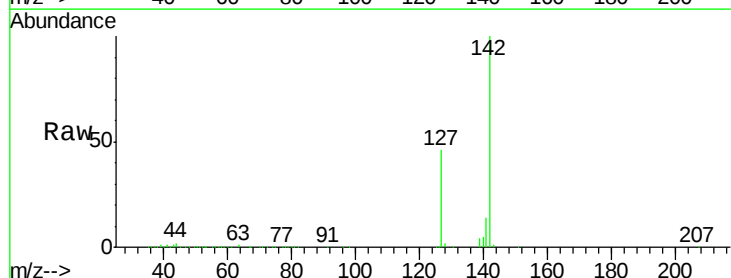
Tgt Ion:142 Resp: 204840

Ion Ratio Lower Upper

142 100

127 46.0 36.6 55.0

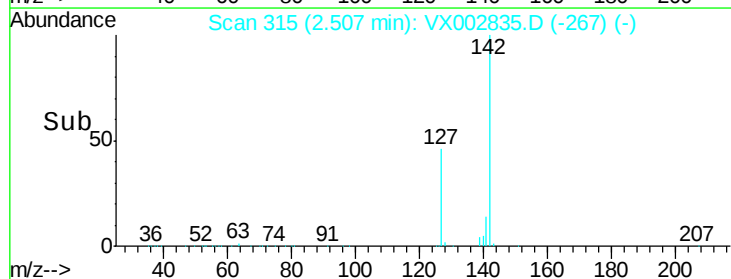
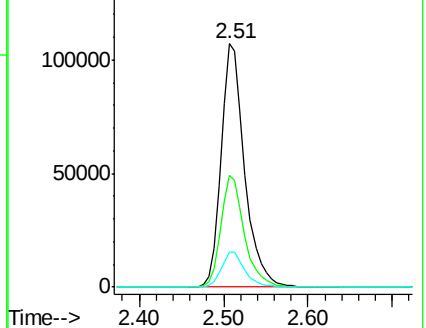
141 14.5 11.3 16.9

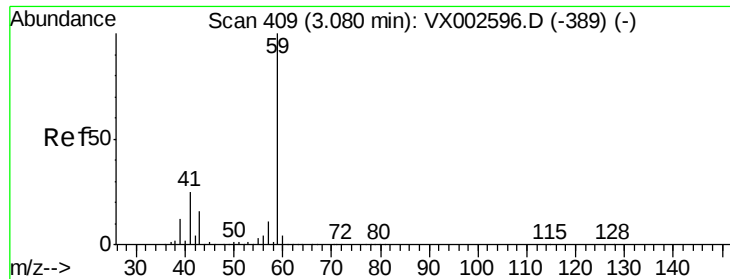


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



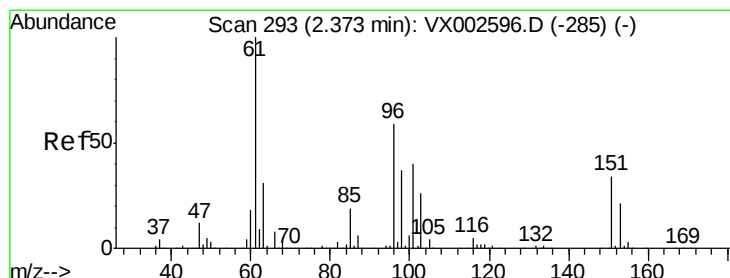
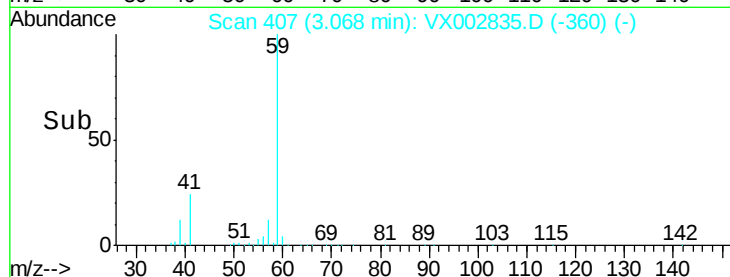
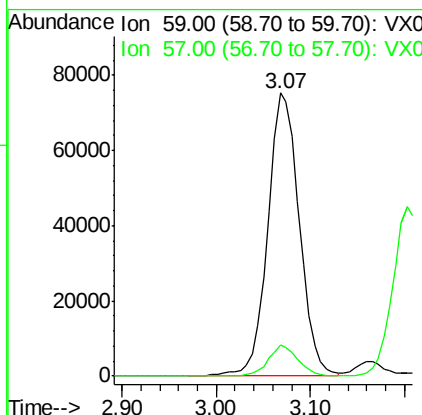
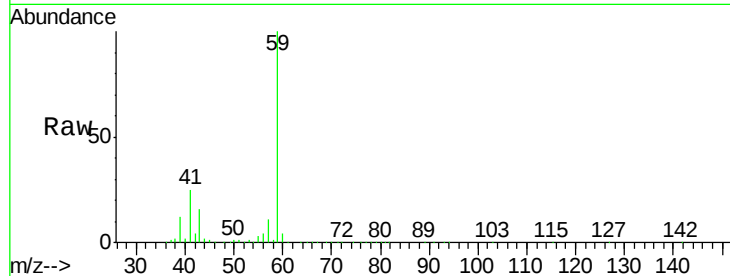


#11

Tert butyl alcohol
 Concen: 217.43 ug/l
 RT: 3.07 min Scan# 407
 Delta R.T. -0.01 min
 Lab File: VX002835.D
 Acq: 22 Jun 2018 16:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

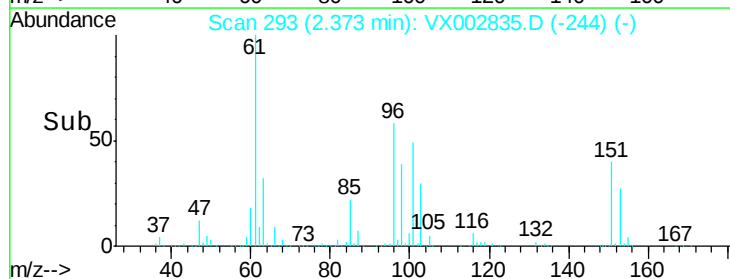
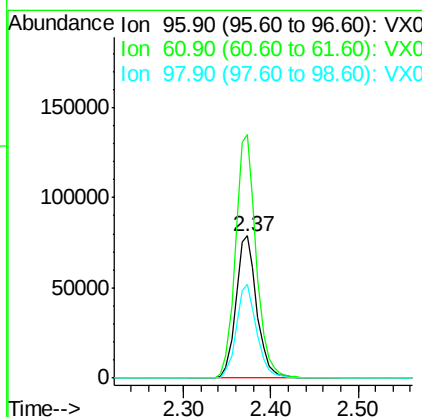
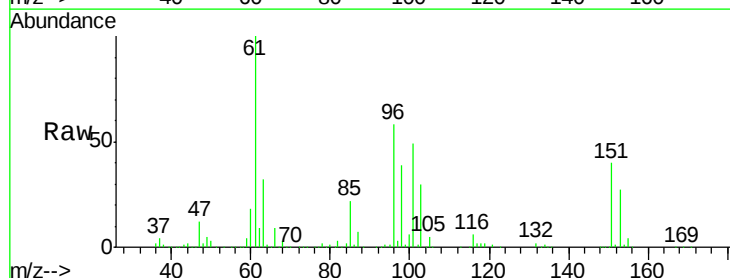
Tot Ion: 59 Resp: 175941
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.2 12.2

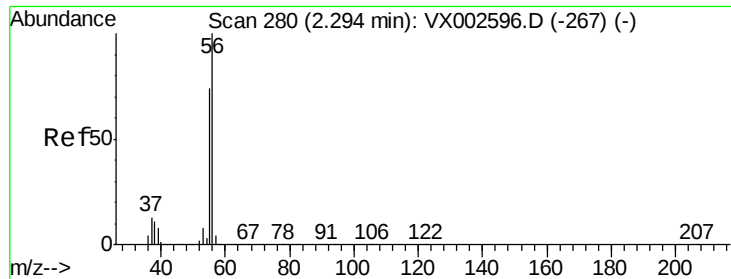


#12

1,1-Dichloroethene
 Concen: 45.73 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. -0.00 min
 Lab File: VX002835.D
 Acq: 22 Jun 2018 16:31

Tgt Ion: 96 Resp: 131607
 Ion Ratio Lower Upper
 96 100
 61 171.3 137.9 206.9
 98 66.1 51.6 77.4





#13

Acrolein

Concen: 182.77 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX002835.D

Acq: 22 Jun 2018 16:31

Instrument :

MSVOA_X

ClientSampleId :

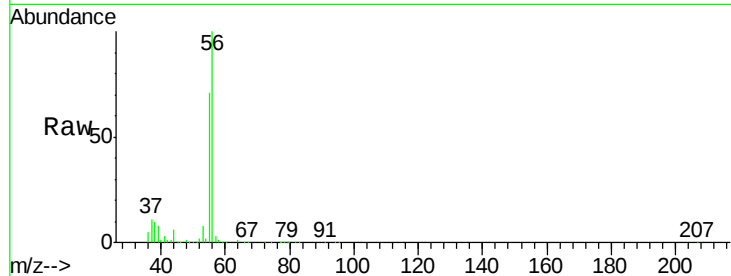
VSTDCCC050

Tot Ion: 56 Resp: 68614

Ion Ratio Lower Upper

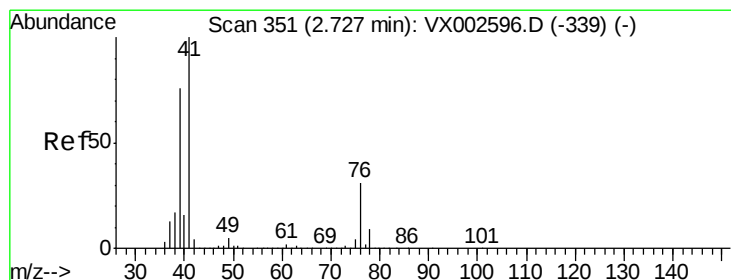
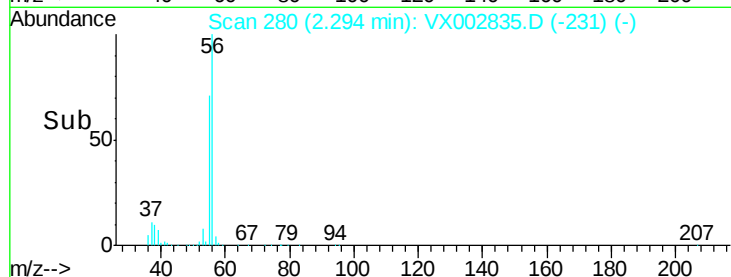
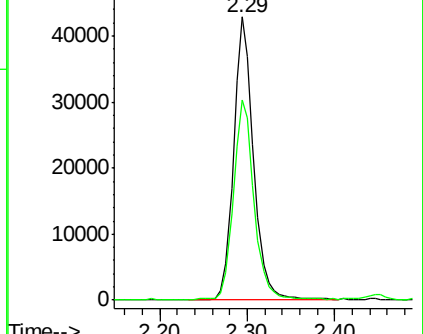
56 100

55 72.0 57.0 85.4



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 46.63 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX002835.D

Acq: 22 Jun 2018 16:31

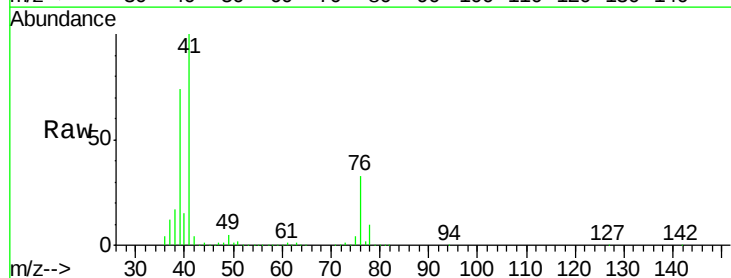
Tgt Ion: 41 Resp: 266463

Ion Ratio Lower Upper

41 100

39 70.7 56.8 85.2

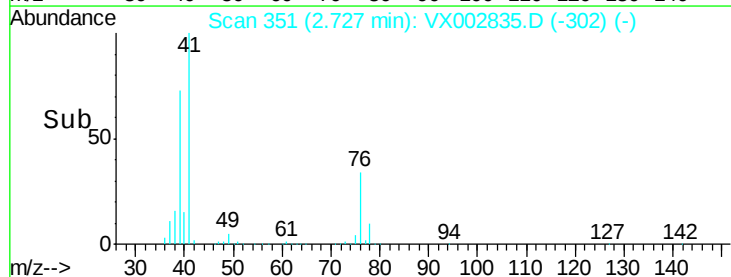
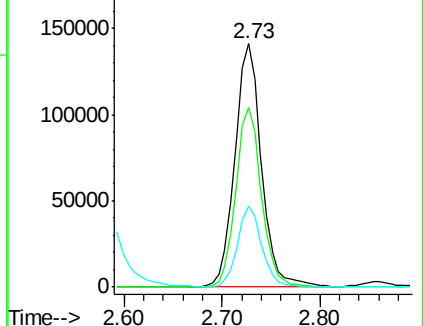
76 30.5 23.8 35.8

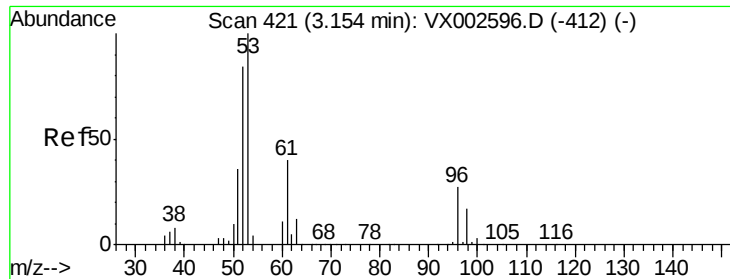


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

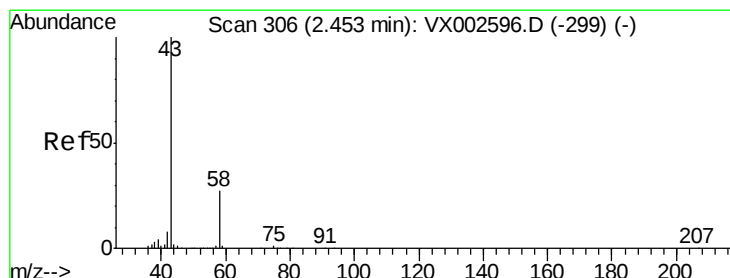
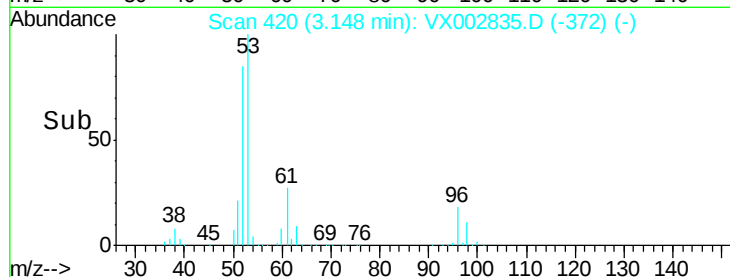
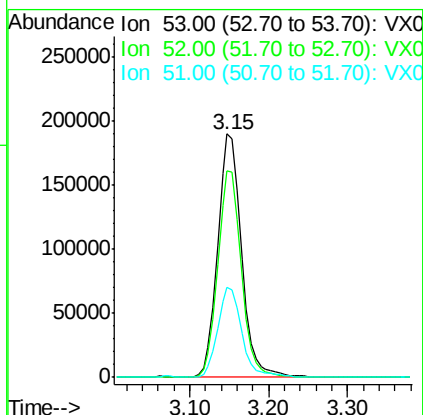
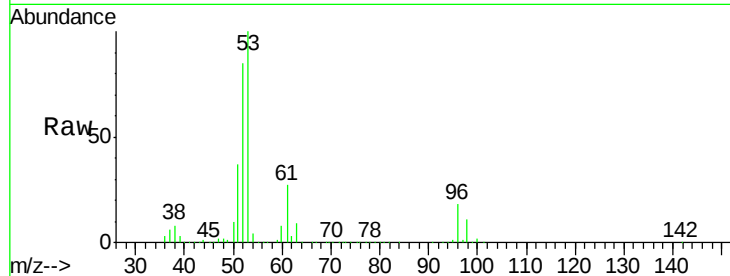




#15
 Acrylonitrile
 Concen: 224.91 ug/l
 RT: 3.15 min Scan# 420
 Delta R.T. -0.01 min
 Lab File: VX002835.D
 Acq: 22 Jun 2018 16:31

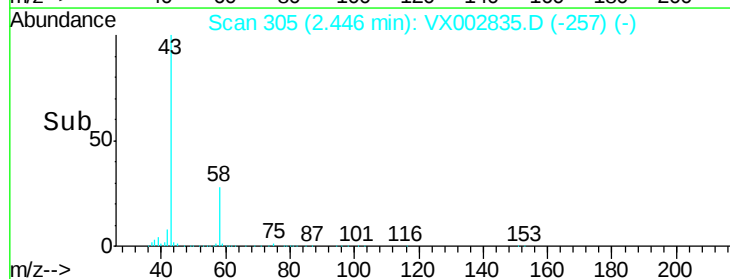
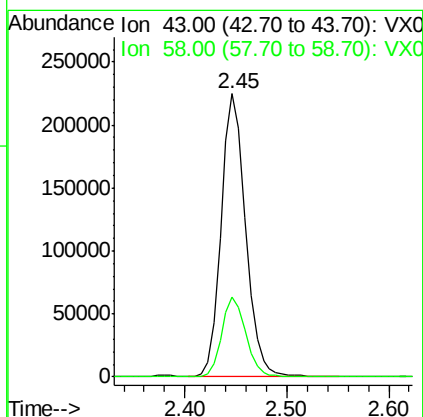
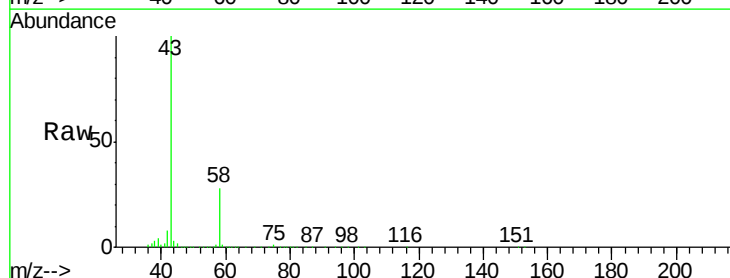
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

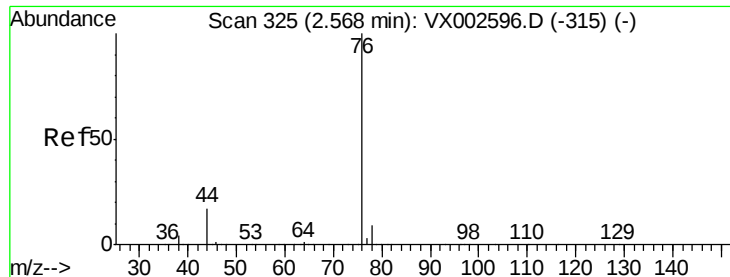
Tot Ion: 53 Resp: 397142
 Ion Ratio Lower Upper
 53 100
 52 84.3 66.7 100.1
 51 37.8 29.9 44.9



#16
 Acetone
 Concen: 216.40 ug/l
 RT: 2.45 min Scan# 305
 Delta R.T. -0.01 min
 Lab File: VX002835.D
 Acq: 22 Jun 2018 16:31

Tgt Ion: 43 Resp: 373716
 Ion Ratio Lower Upper
 43 100
 58 28.1 22.1 33.1

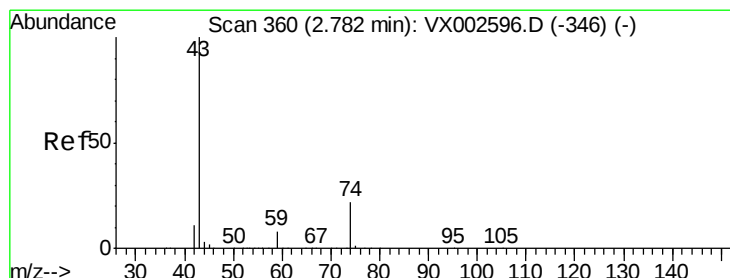
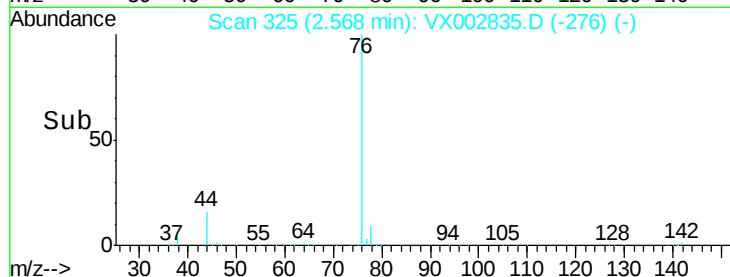
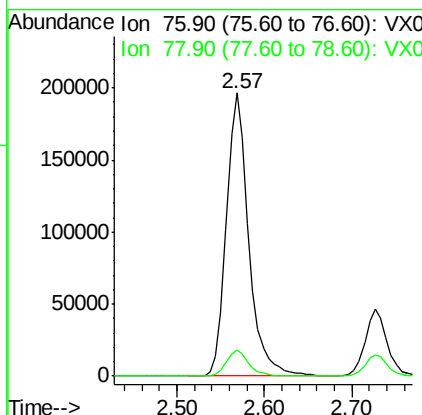
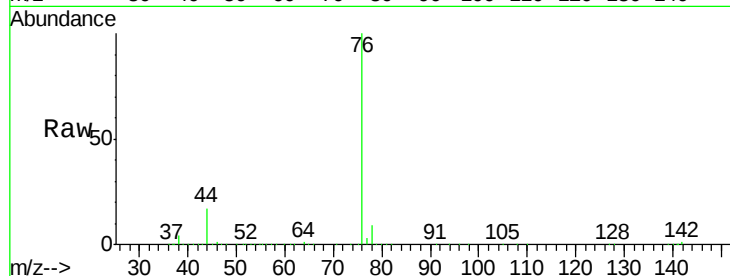




#17
Carbon Disulfide
Concen: 51.03 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.00 min
Lab File: VX002835.D
Acq: 22 Jun 2018 16:31

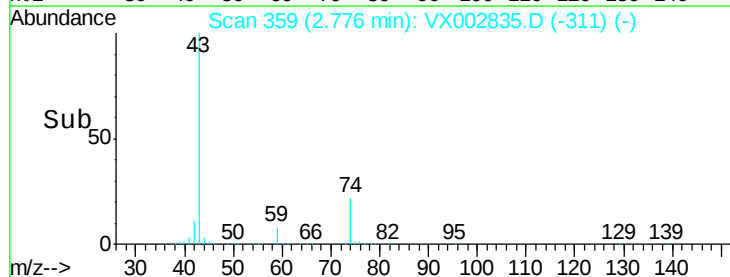
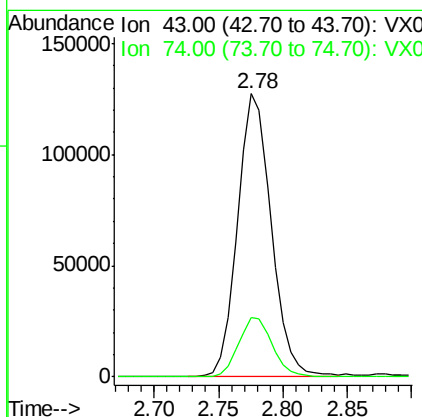
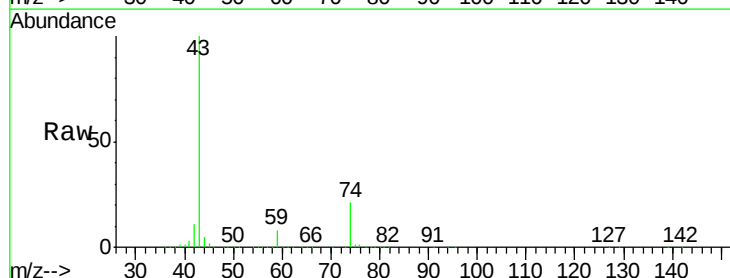
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

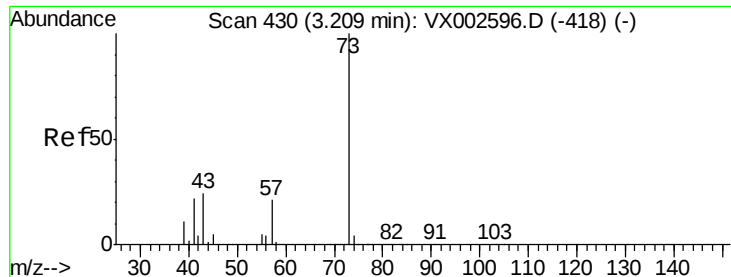
Tot Ion: 76 Resp: 348367
Ion Ratio Lower Upper
76 100
78 9.0 6.9 10.3



#18
Methyl Acetate
Concen: 49.68 ug/l
RT: 2.78 min Scan# 359
Delta R.T. -0.01 min
Lab File: VX002835.D
Acq: 22 Jun 2018 16:31

Tgt Ion: 43 Resp: 228588
Ion Ratio Lower Upper
43 100
74 21.8 16.7 25.1

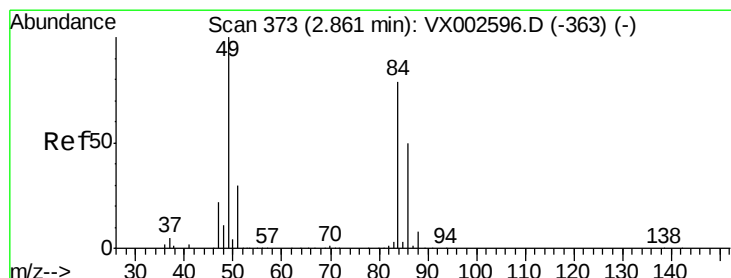
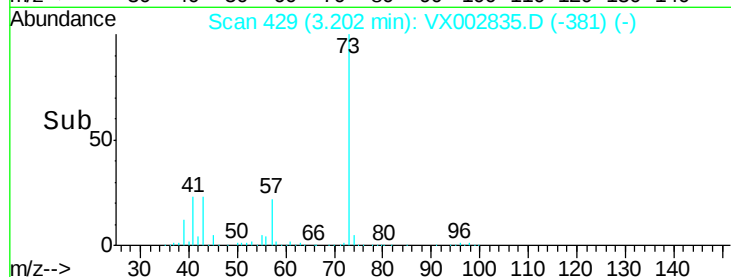
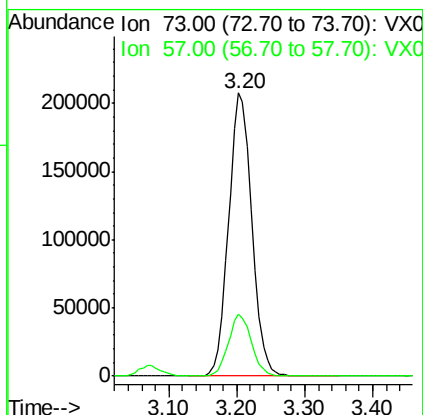
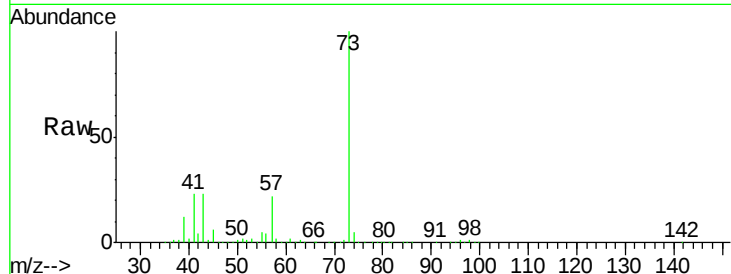




#19
Methyl tert-butyl Ether
Concen: 45.46 ug/l
RT: 3.20 min Scan# 429
Delta R.T. -0.01 min
Lab File: VX002835.D
Acq: 22 Jun 2018 16:31

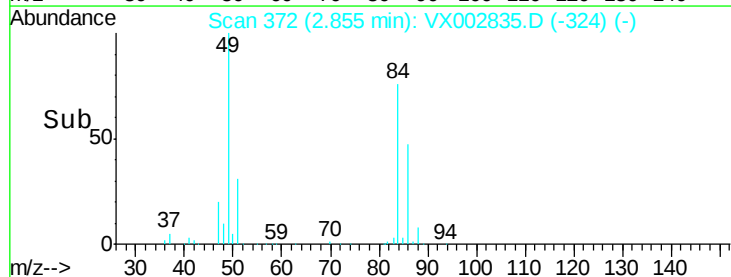
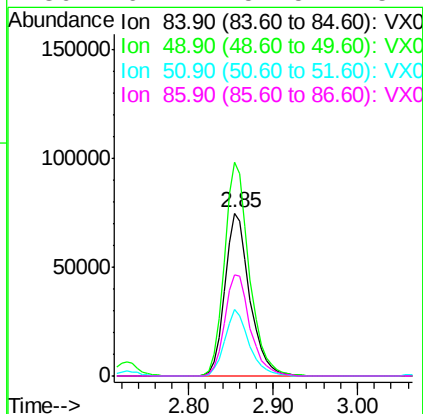
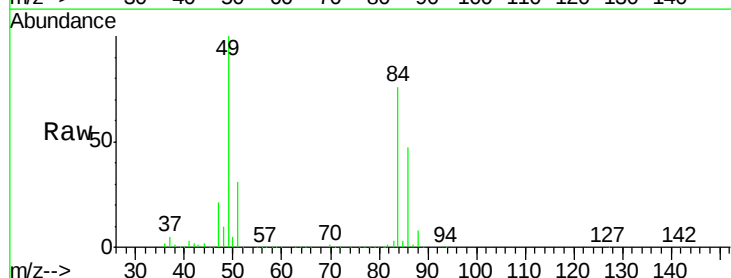
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

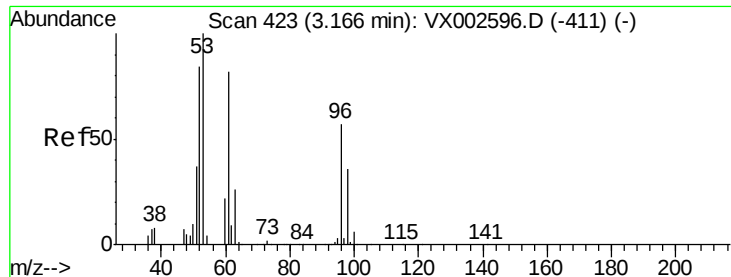
Tot Ion: 73 Resp: 490845
Ion Ratio Lower Upper
73 100
57 21.7 17.7 26.5



#20
Methylene Chloride
Concen: 42.50 ug/l
RT: 2.85 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX002835.D
Acq: 22 Jun 2018 16:31

Tgt Ion: 84 Resp: 150503
Ion Ratio Lower Upper
84 100
49 131.0 107.8 161.6
51 41.1 32.8 49.2
86 62.2 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 46.27 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.01 min

Lab File: VX002835.D

Acq: 22 Jun 2018 16:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

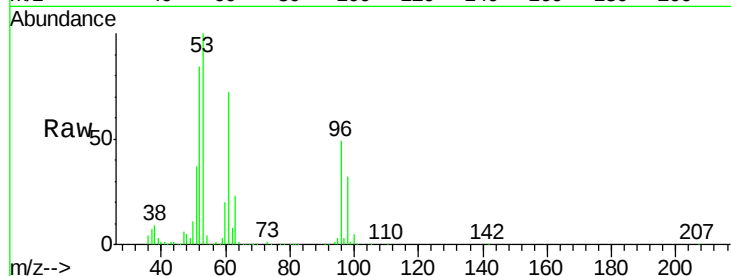
Tot Ion: 96 Resp: 144490

Ion Ratio Lower Upper

96 100

61 145.5 117.0 175.4

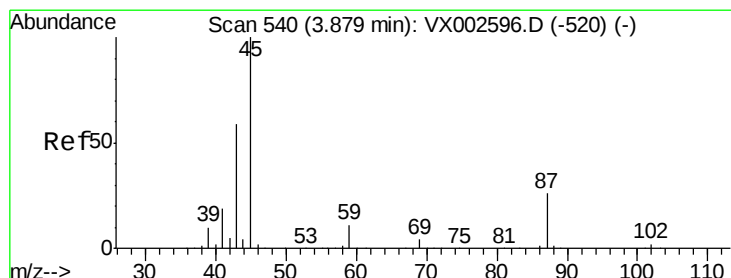
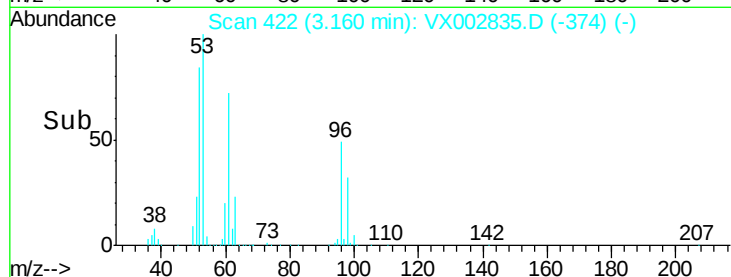
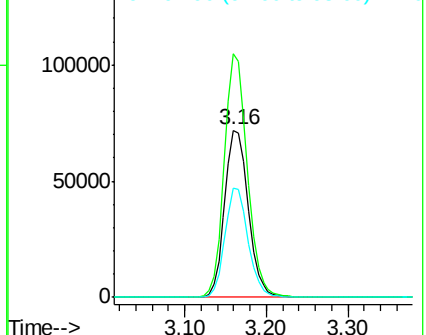
98 65.2 52.4 78.6



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 50.48 ug/l

RT: 3.87 min Scan# 539

Delta R.T. -0.01 min

Lab File: VX002835.D

Acq: 22 Jun 2018 16:31

Tgt Ion: 45 Resp: 521908

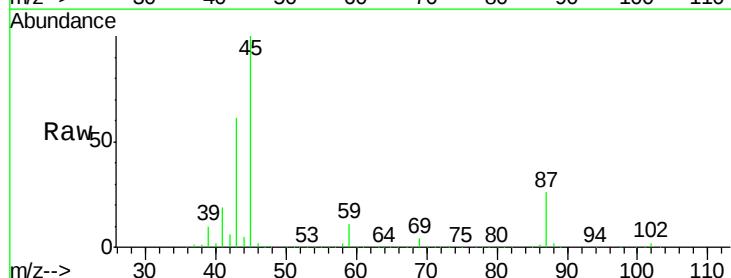
Ion Ratio Lower Upper

45 100

43 61.2 46.8 70.2

87 26.1 20.2 30.4

59 11.3 8.7 13.1

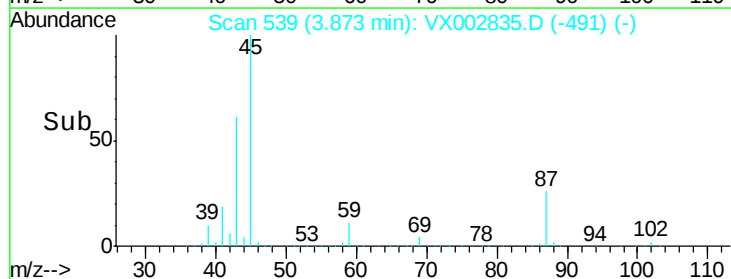
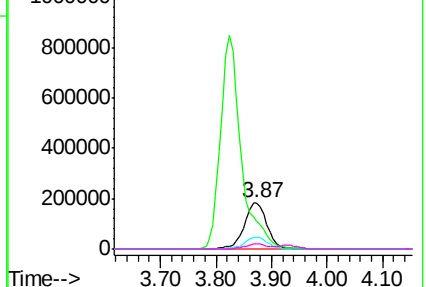


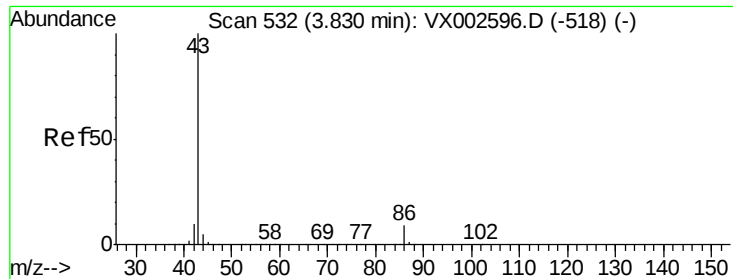
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 254.49 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.01 min

Lab File: VX002835.D

Acq: 22 Jun 2018 16:31

Instrument :

MSVOA_X

ClientSampleId :

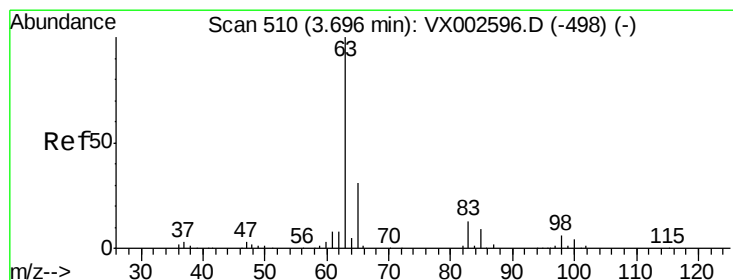
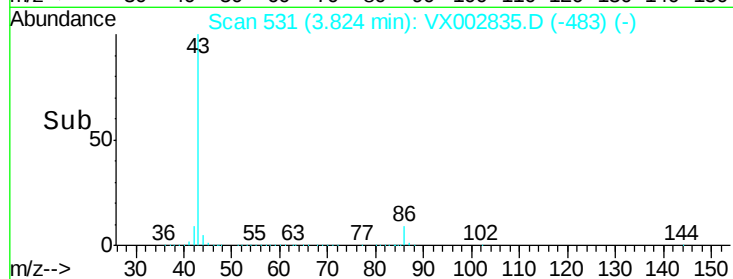
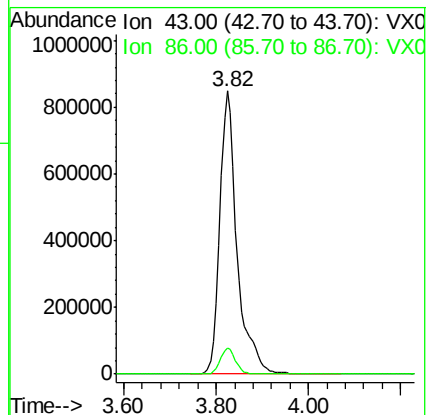
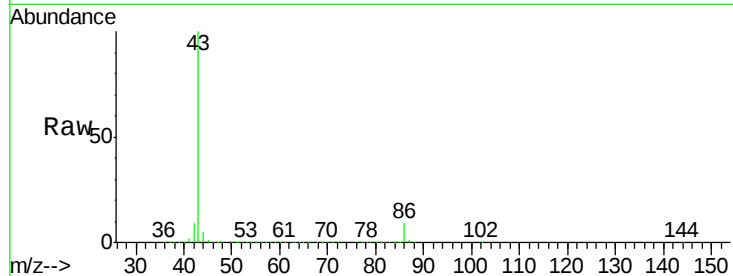
VSTDCCC050

Tot Ion: 43 Resp: 2202268

Ion Ratio Lower Upper

43 100

86 9.4 7.4 11.0



#24

1,1-Dichloroethane

Concen: 49.67 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX002835.D

Acq: 22 Jun 2018 16:31

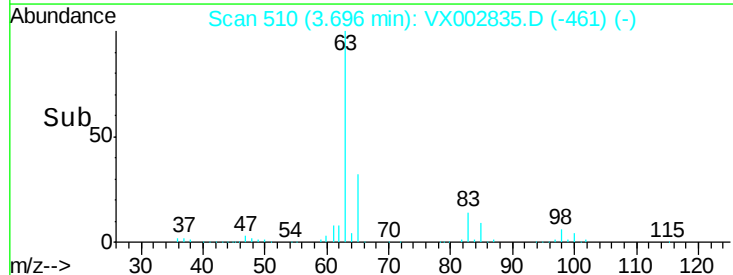
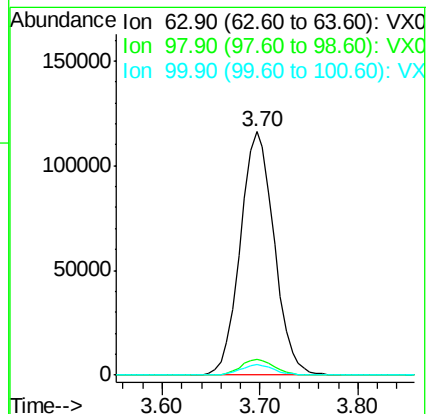
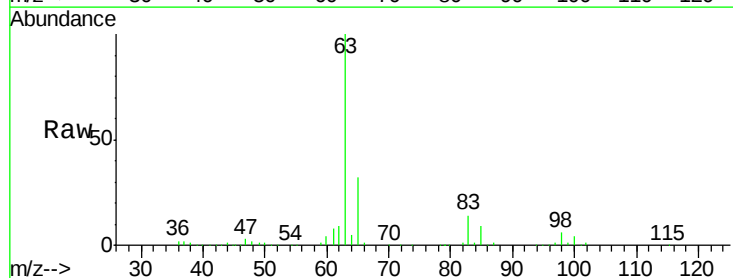
Tgt Ion: 63 Resp: 278739

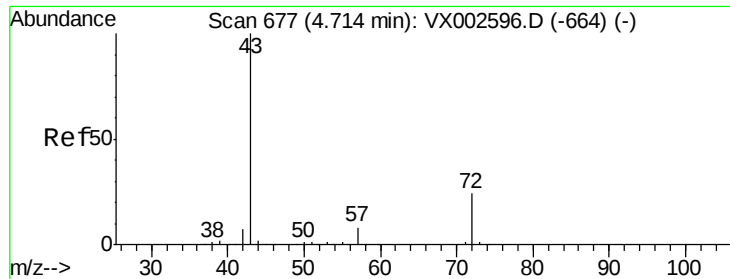
Ion Ratio Lower Upper

63 100

98 6.3 3.4 10.2

100 4.2 2.0 6.0





#25

2-Butanone

Concen: 252.09 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX002835.D

Acq: 22 Jun 2018 16:31

Instrument :

MSVOA_X

ClientSampleId :

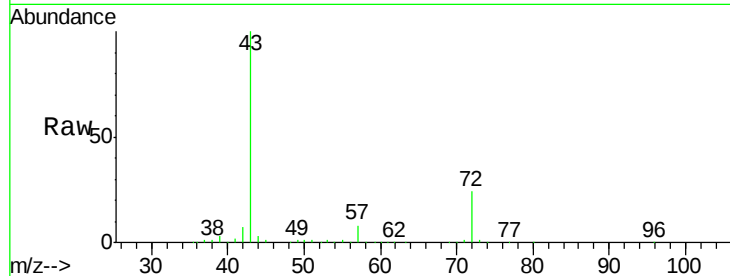
VSTDCCC050

Tot Ion: 43 Resp: 571725

Ion Ratio Lower Upper

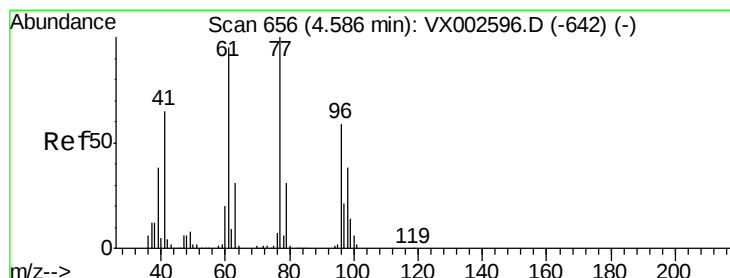
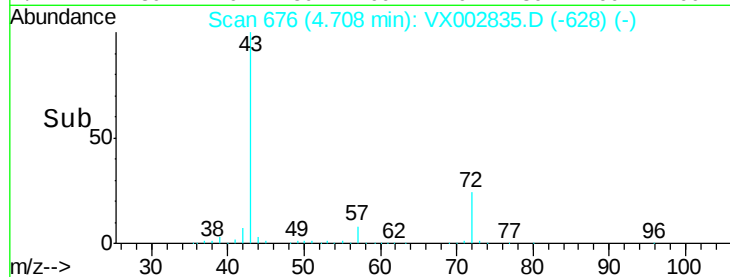
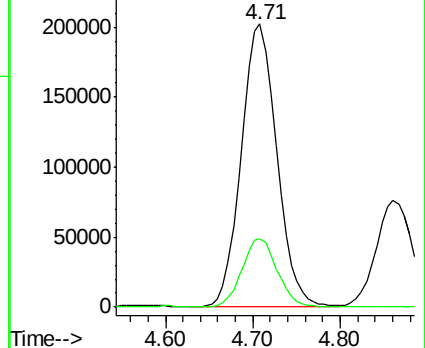
43 100

72 24.3 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 55.79 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX002835.D

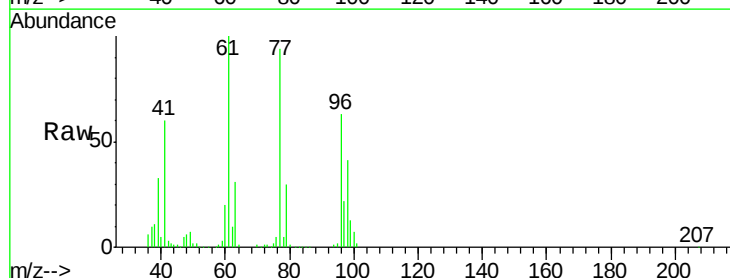
Acq: 22 Jun 2018 16:31

Tgt Ion: 77 Resp: 224945

Ion Ratio Lower Upper

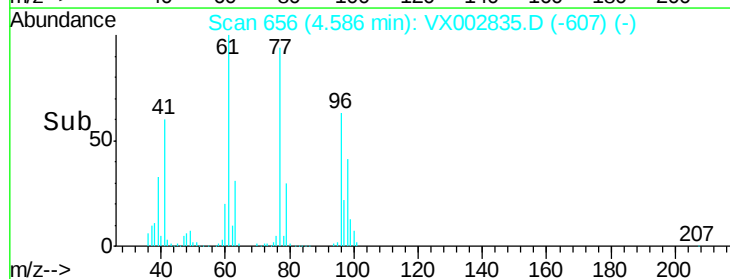
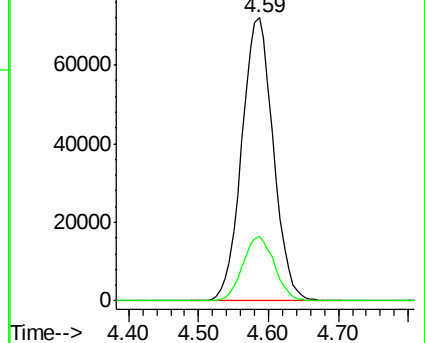
77 100

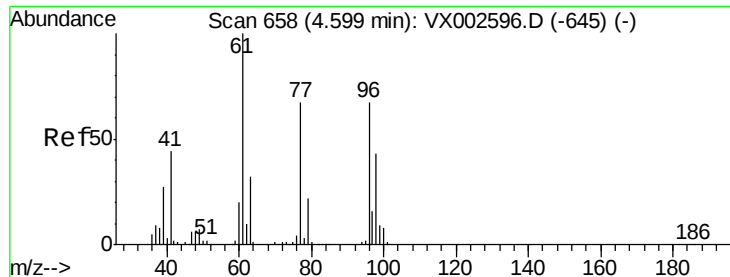
97 23.0 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



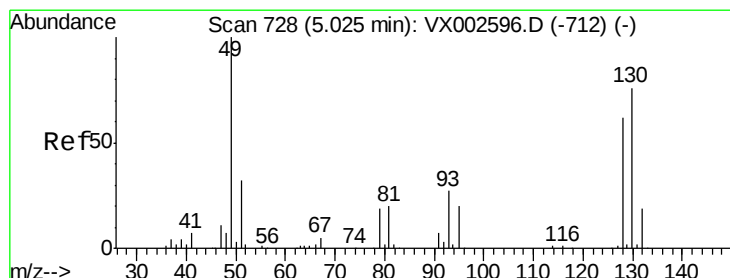
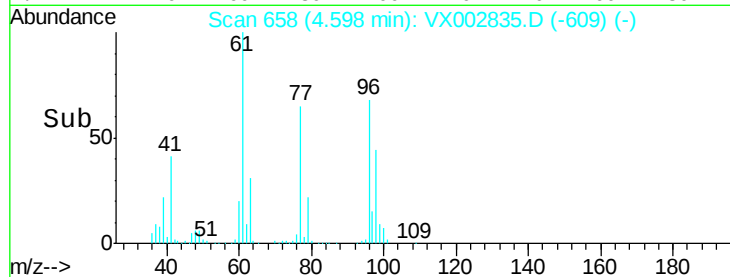
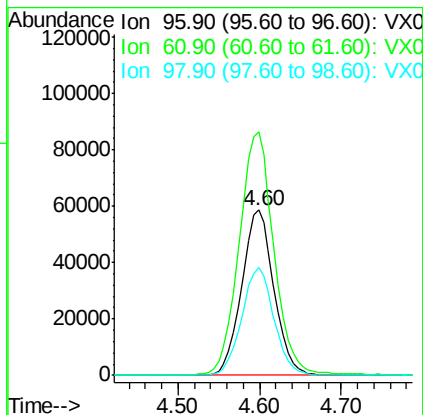
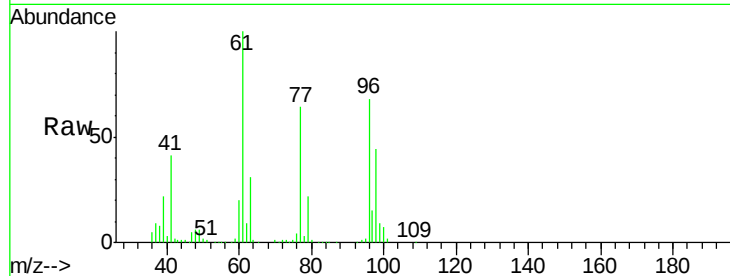


#27

cis-1,2-Dichloroethene
 Concen: 50.74 ug/l
 RT: 4.60 min Scan# 658
 Delta R.T. -0.00 min
 Lab File: VX002835.D
 Acq: 22 Jun 2018 16:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

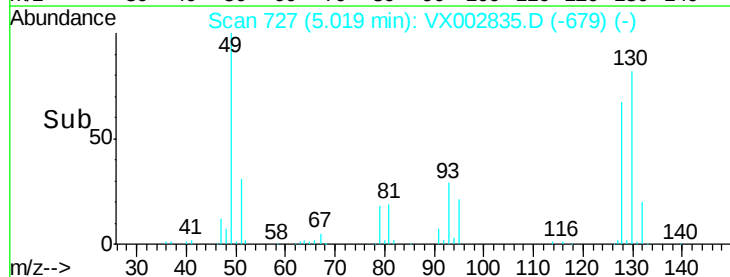
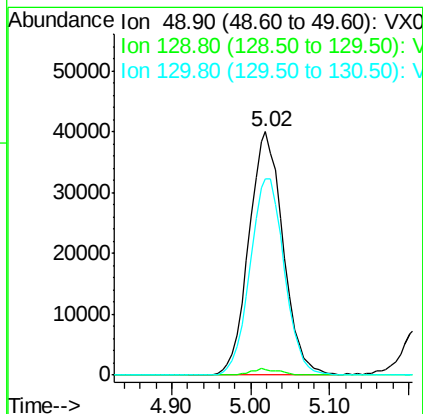
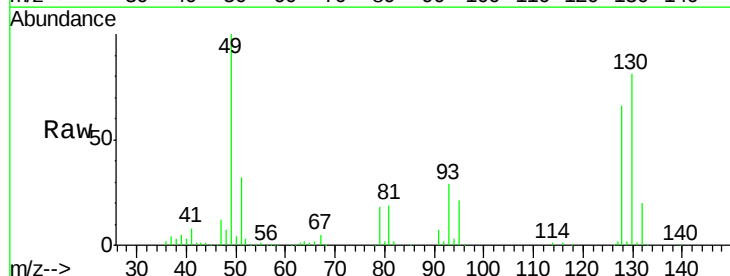
Tot Ion	Ratio	Lower	Upper
96	100		
61	158.9	0.0	330.2
98	65.1	0.0	130.2

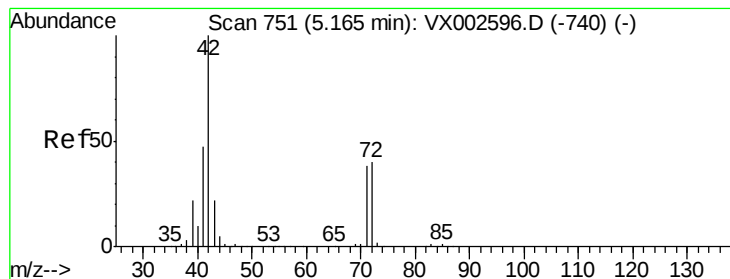


#28

Bromochloromethane
 Concen: 45.78 ug/l
 RT: 5.02 min Scan# 727
 Delta R.T. -0.01 min
 Lab File: VX002835.D
 Acq: 22 Jun 2018 16:31

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.2
130	81.1	61.2	91.8





#29

Tetrahydrofuran

Concen: 248.56 ug/l

RT: 5.16 min Scan# 750

Delta R.T. -0.01 min

Lab File: VX002835.D

Acq: 22 Jun 2018 16:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

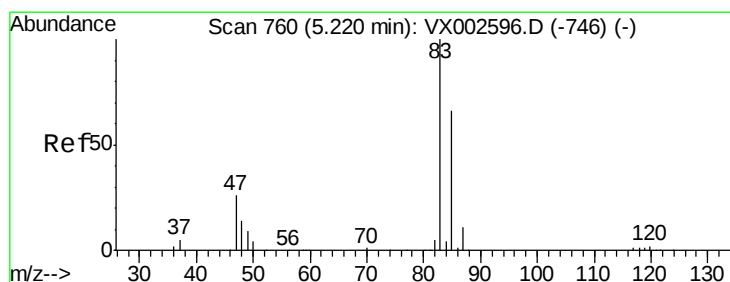
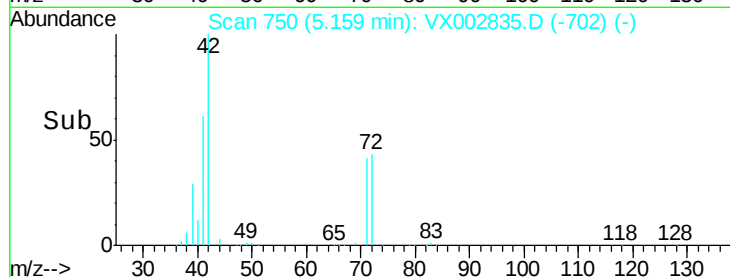
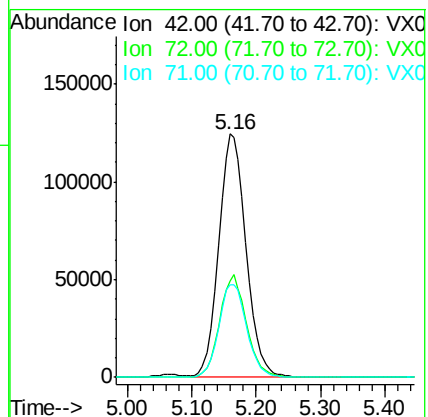
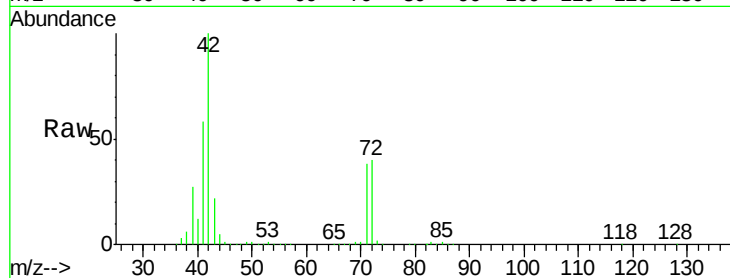
Tot Ion: 42 Resp: 369459

Ion Ratio Lower Upper

42 100

72 41.7 32.0 48.0

71 39.2 30.1 45.1



#30

Chloroform

Concen: 52.53 ug/l

RT: 5.21 min Scan# 759

Delta R.T. -0.01 min

Lab File: VX002835.D

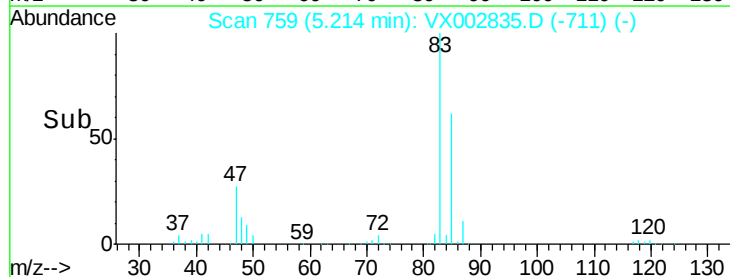
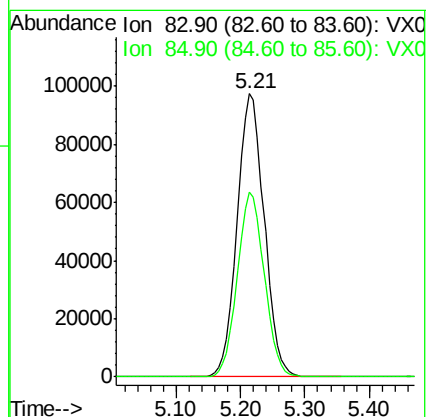
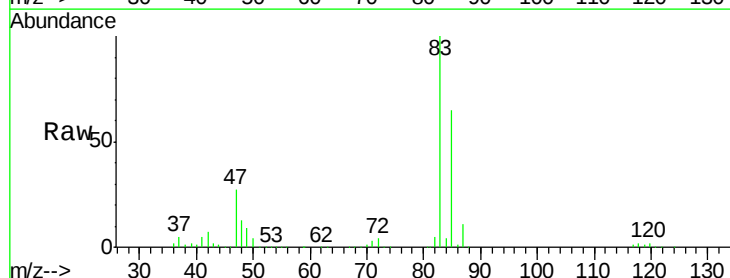
Acq: 22 Jun 2018 16:31

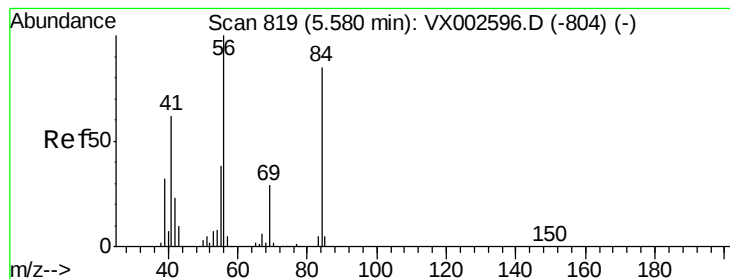
Tgt Ion: 83 Resp: 284284

Ion Ratio Lower Upper

83 100

85 65.3 50.4 75.6





#31

Cyclohexane

Concen: 52.43 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX002835.D

Acq: 22 Jun 2018 16:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

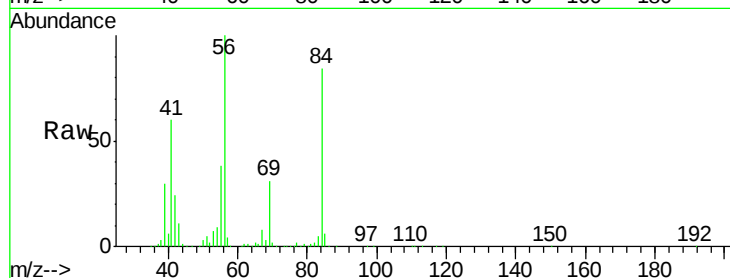
Tot Ion: 56 Resp: 242246

Ion Ratio Lower Upper

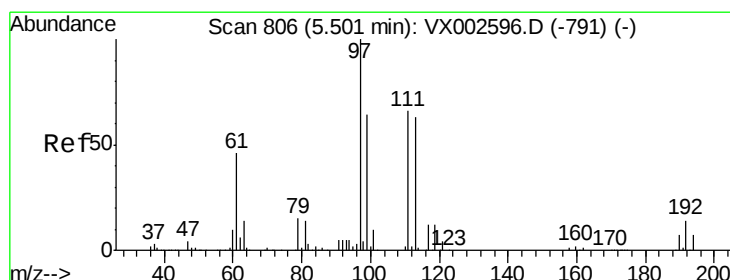
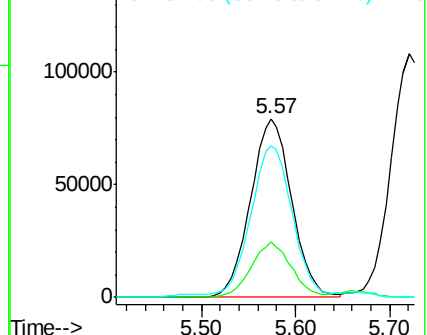
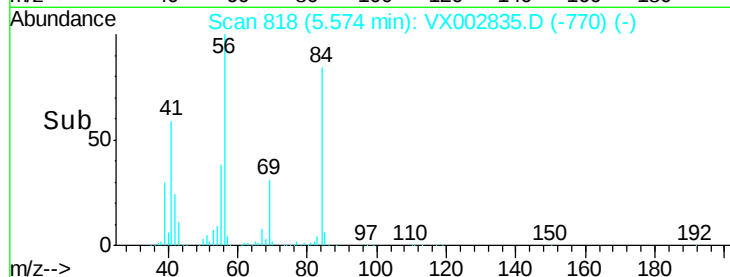
56 100

69 31.2 23.7 35.5

84 82.6 64.1 96.1



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



#32

1,1,1-Trichloroethane

Concen: 55.66 ug/l

RT: 5.49 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX002835.D

Acq: 22 Jun 2018 16:31

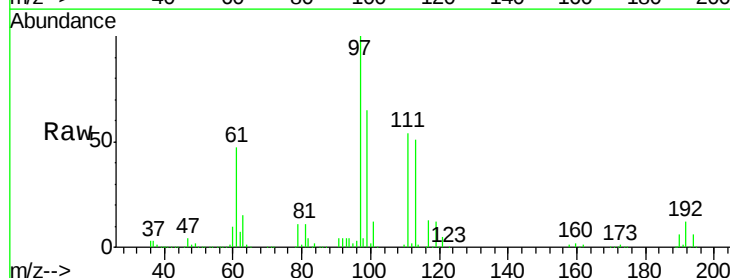
Tgt Ion: 97 Resp: 251928

Ion Ratio Lower Upper

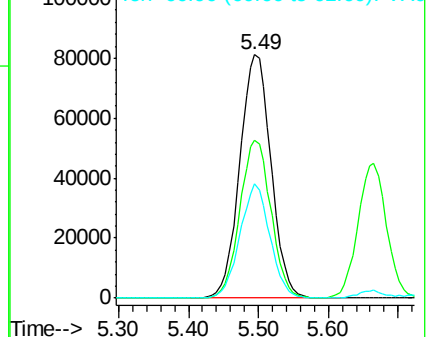
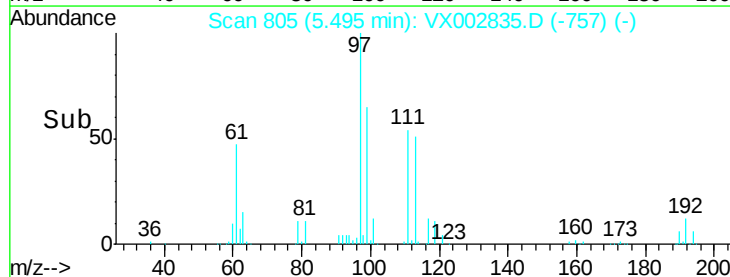
97 100

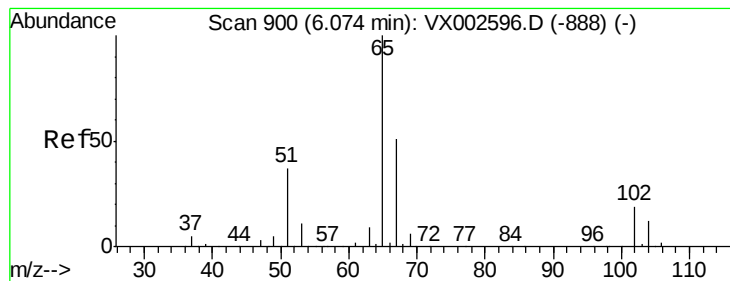
99 64.5 51.6 77.4

61 45.1 36.4 54.6



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





#33

1,2-Dichloroethane-d4

Concen: 42.36 ug/l

RT: 6.07 min Scan# 899

Delta R.T. -0.01 min

Lab File: VX002835.D

Acq: 22 Jun 2018 16:31

Instrument :

MSVOA_X

ClientSampleId :

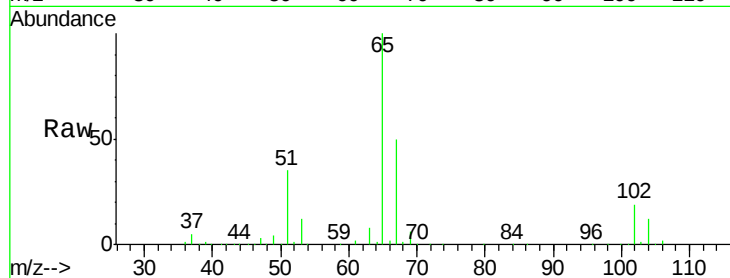
VSTDCCC050

Tot Ion: 65 Resp: 165818

Ion Ratio Lower Upper

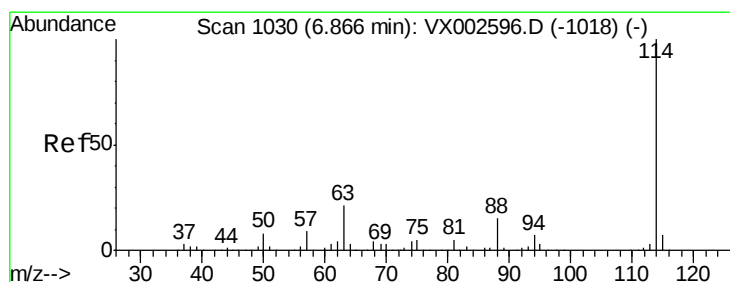
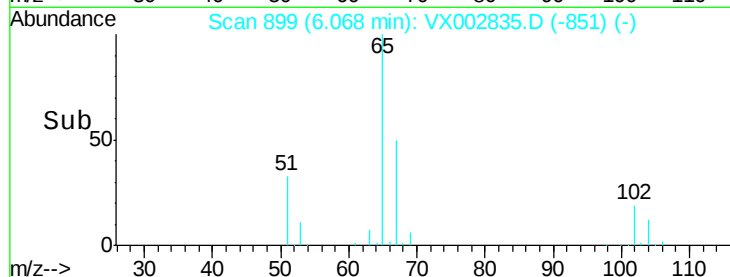
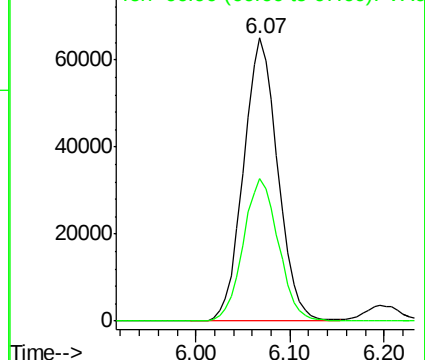
65 100

67 51.4 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.86 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VX002835.D

Acq: 22 Jun 2018 16:31

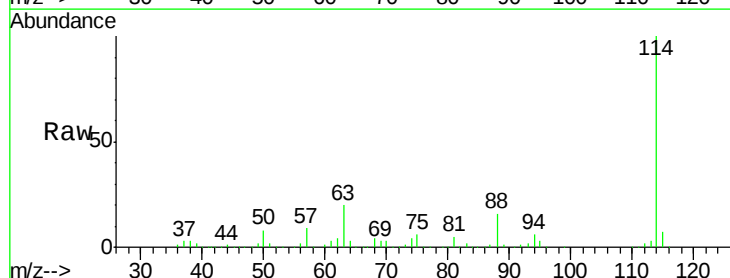
Tgt Ion: 114 Resp: 342227

Ion Ratio Lower Upper

114 100

63 20.1 0.0 41.4

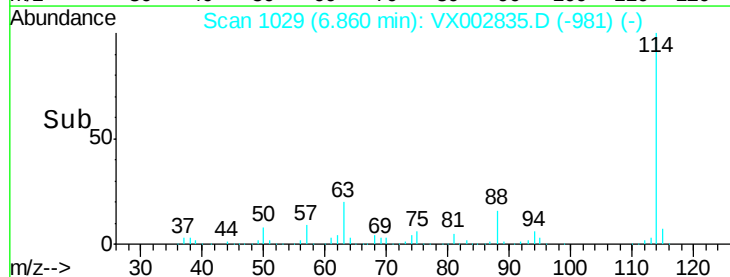
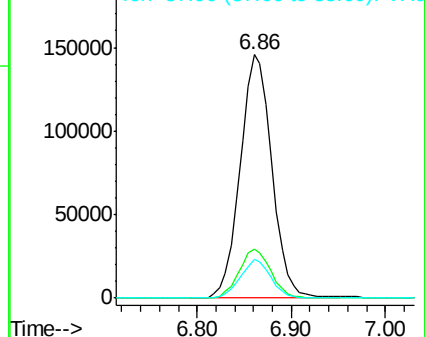
88 15.7 0.0 30.0

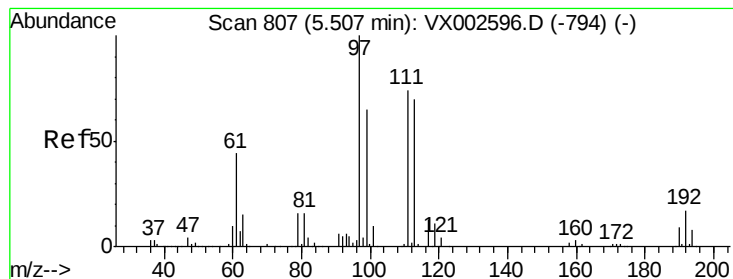


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.01 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX002835.D

Acq: 22 Jun 2018 16:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

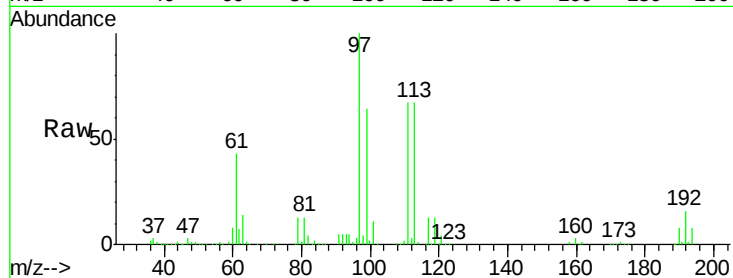
Tot Ion:113 Resp: 133863

Ion Ratio Lower Upper

113 100

111 103.1 81.4 122.0

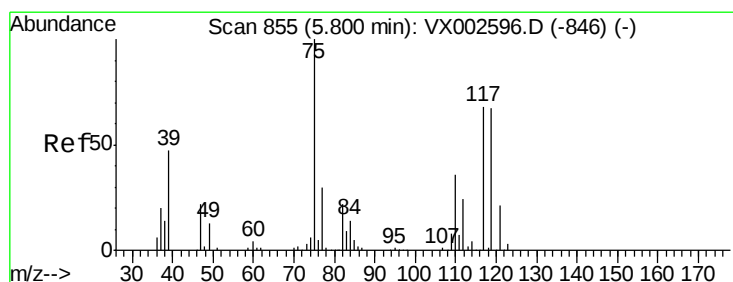
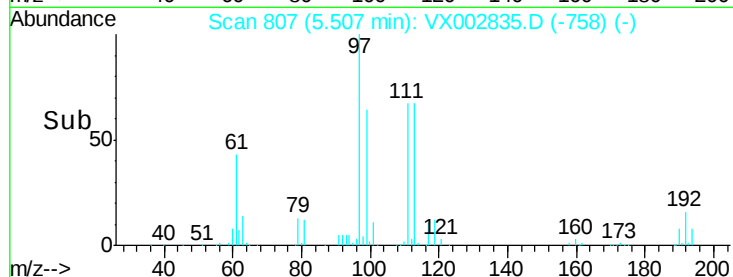
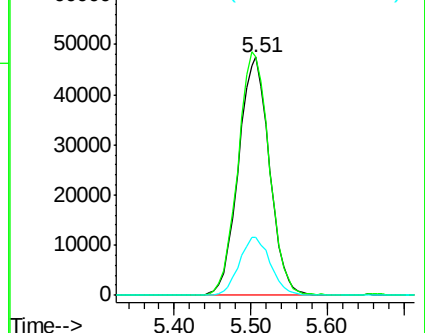
192 24.4 19.1 28.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 57.64 ug/l

RT: 5.80 min Scan# 855

Delta R.T. -0.00 min

Lab File: VX002835.D

Acq: 22 Jun 2018 16:31

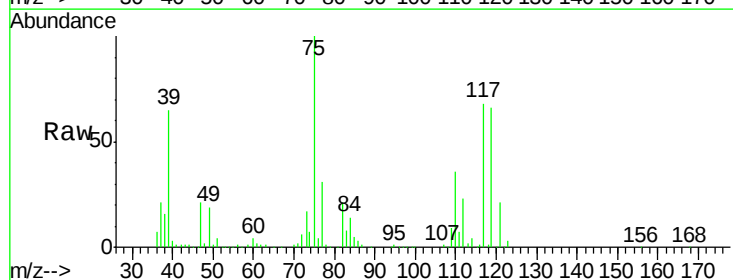
Tgt Ion: 75 Resp: 209498

Ion Ratio Lower Upper

75 100

110 36.6 18.1 54.4

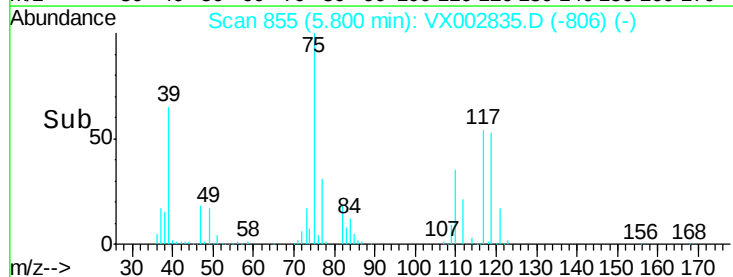
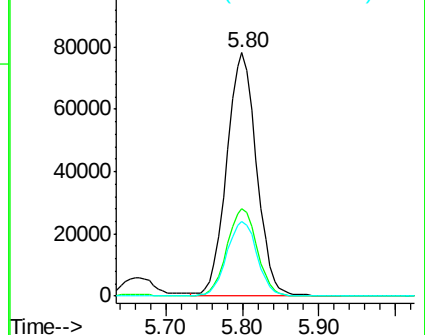
77 32.1 24.3 36.5

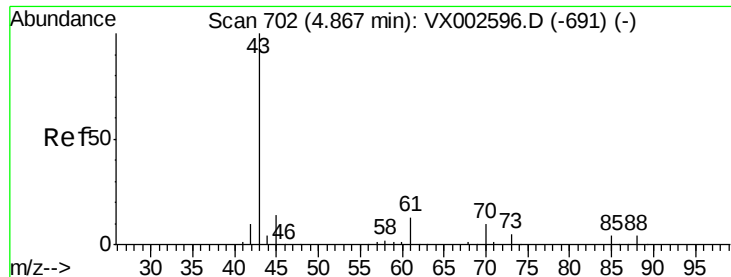


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

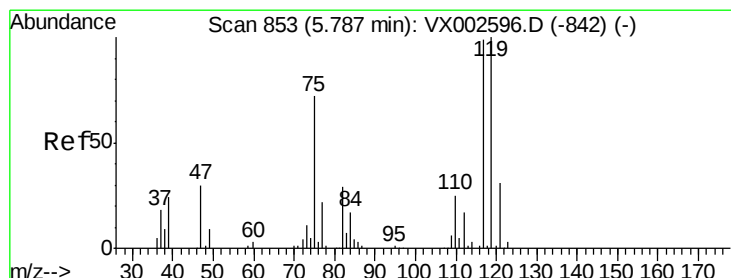
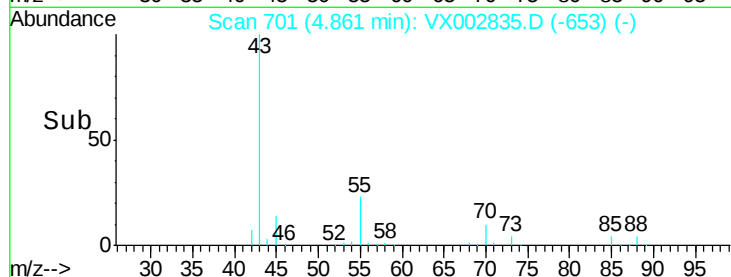
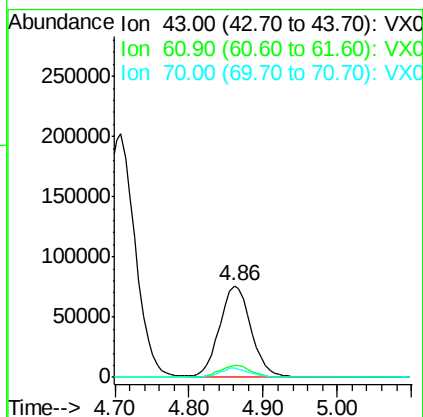
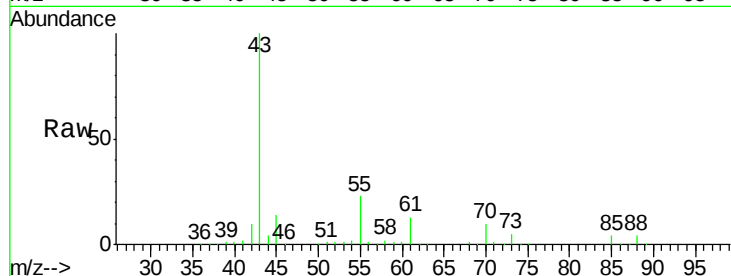




#37
Ethyl Acetate
Concen: 54.57 ug/l
RT: 4.86 min Scan# 701
Delta R.T. -0.01 min
Lab File: VX002835.D
Acq: 22 Jun 2018 16:31

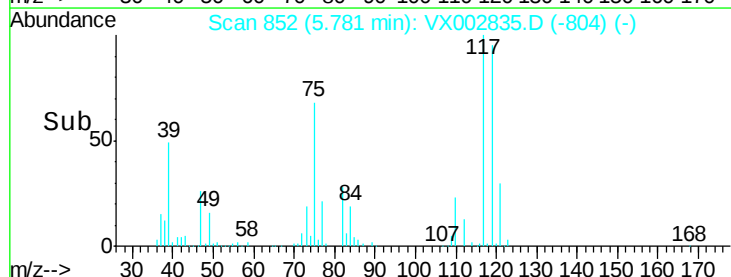
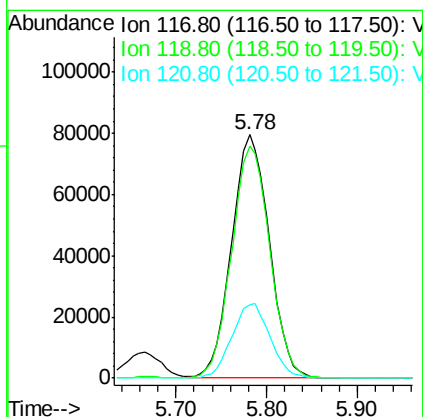
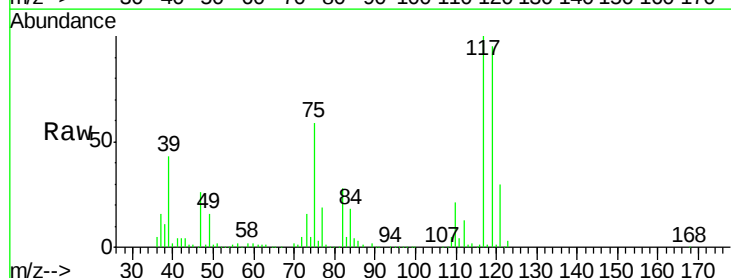
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

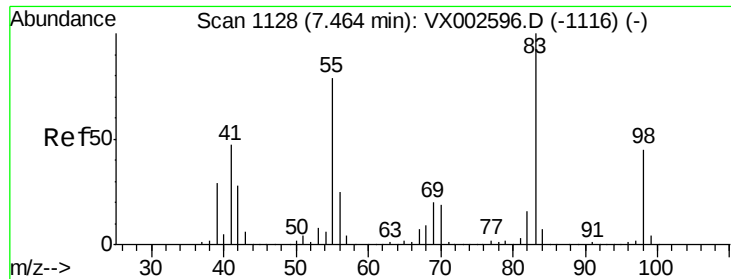
Tot Ion: 43 Resp: 224487
Ion Ratio Lower Upper
43 100
61 13.0 10.4 15.6
70 9.7 7.6 11.4



#38
Carbon Tetrachloride
Concen: 63.37 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.01 min
Lab File: VX002835.D
Acq: 22 Jun 2018 16:31

Tgt Ion: 117 Resp: 229363
Ion Ratio Lower Upper
117 100
119 95.3 77.4 116.0
121 30.0 24.4 36.6

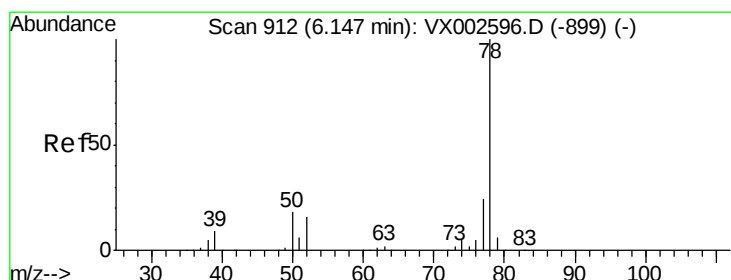
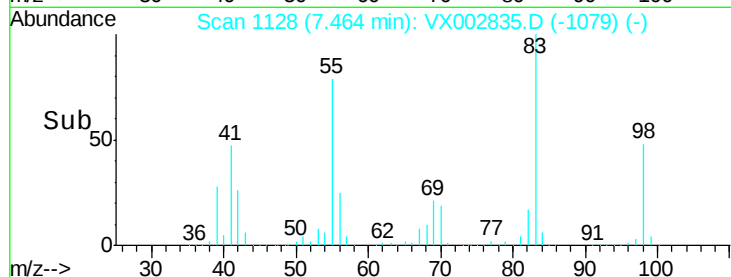
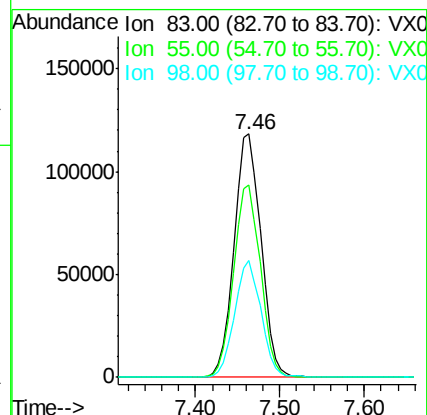
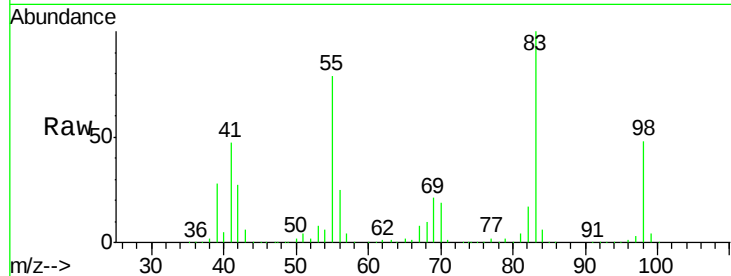




#39
Methvlcvclohexane
Concen: 60.38 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX002835.D
Acq: 22 Jun 2018 16:31

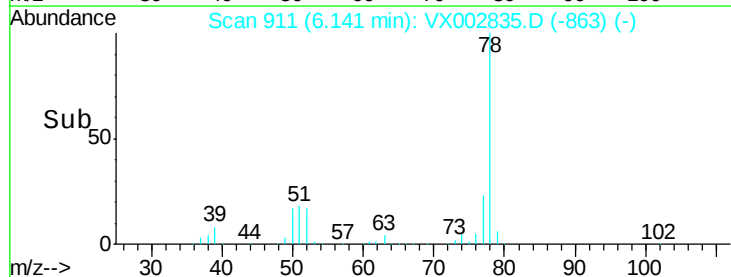
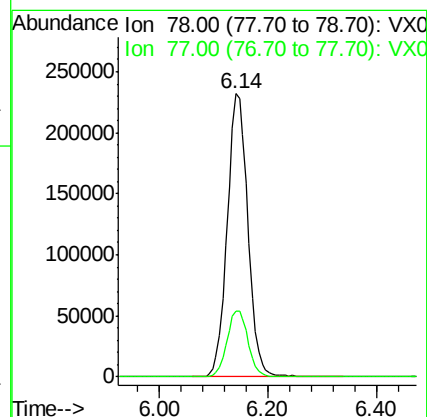
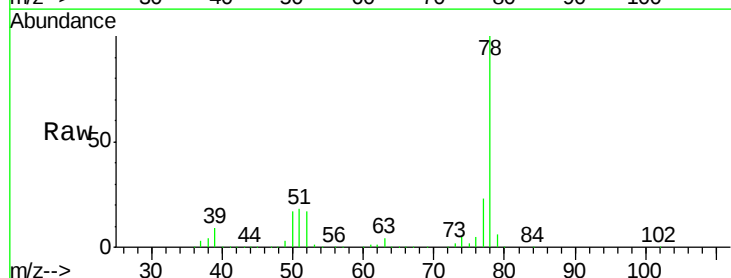
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

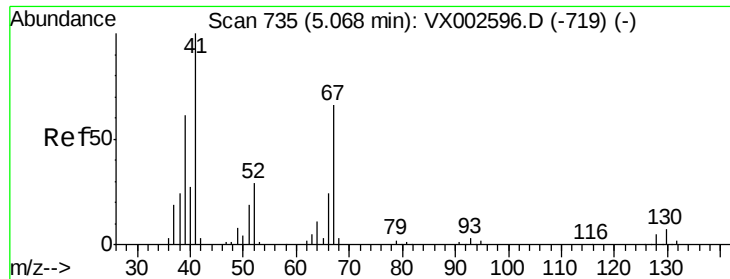
Tot Ion: 83 Resp: 256566
Ion Ratio Lower Upper
83 100
55 79.0 65.4 98.0
98 47.9 37.4 56.0



#40
Benzene
Concen: 56.20 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.01 min
Lab File: VX002835.D
Acq: 22 Jun 2018 16:31

Tgt Ion: 78 Resp: 612441
Ion Ratio Lower Upper
78 100
77 23.4 19.1 28.7

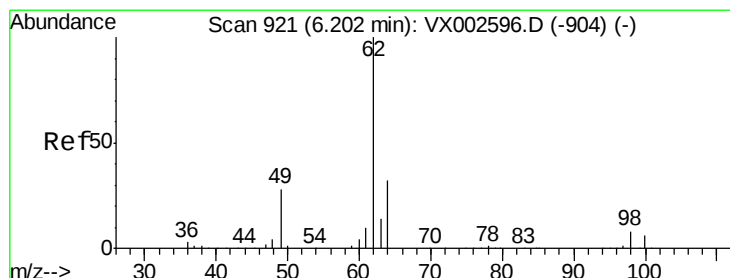
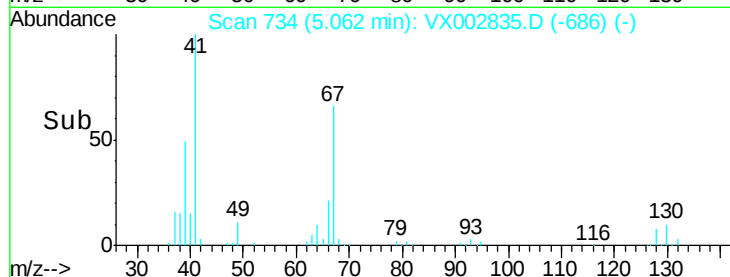
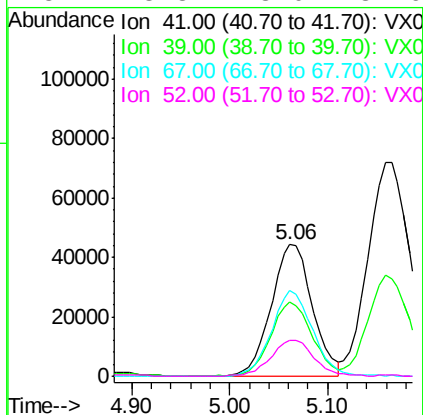
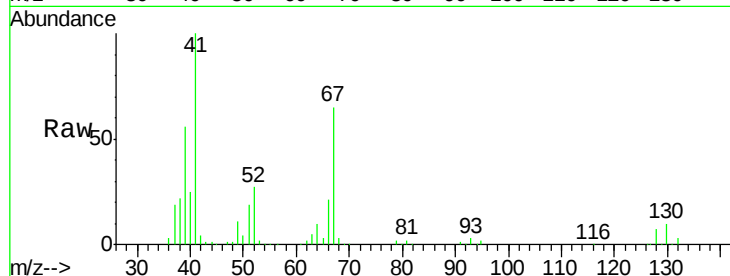




#41
Methacrylonitrile
Concen: 55.73 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.01 min
Lab File: VX002835.D
Acq: 22 Jun 2018 16:31

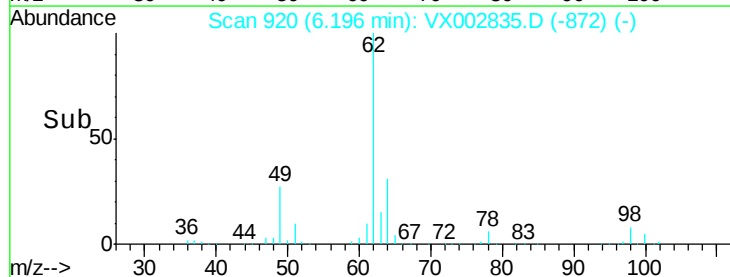
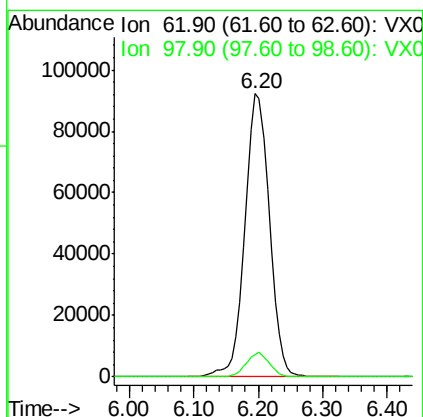
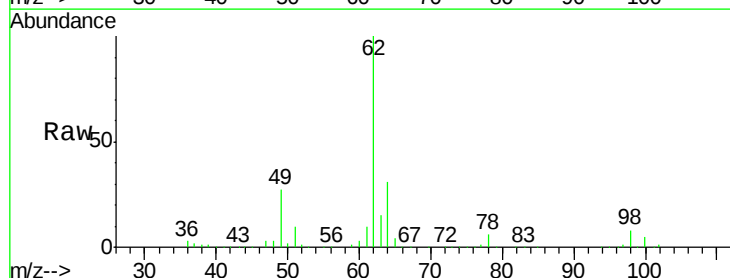
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

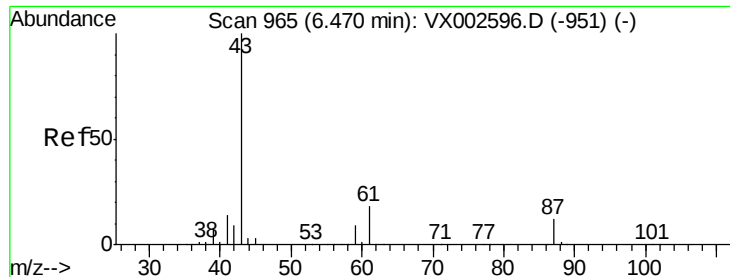
Tot Ion:	41	Resp:	129450
Ion	Ratio	Lower	Upper
41	100		
39	56.8	45.8	68.6
67	65.6	51.3	76.9
52	28.8	23.0	34.6



#42
1,2-Dichloroethane
Concen: 56.89 ug/l
RT: 6.20 min Scan# 920
Delta R.T. -0.01 min
Lab File: VX002835.D
Acq: 22 Jun 2018 16:31

Tgt Ion:	62	Resp:	240058
Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	16.6



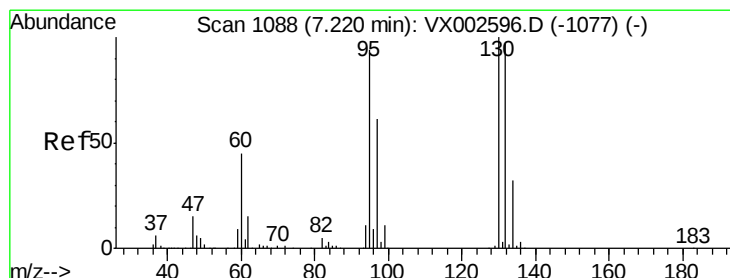
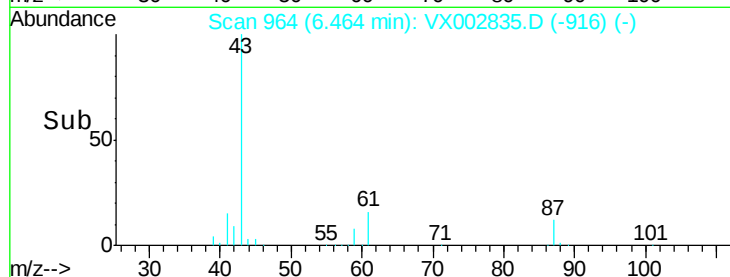
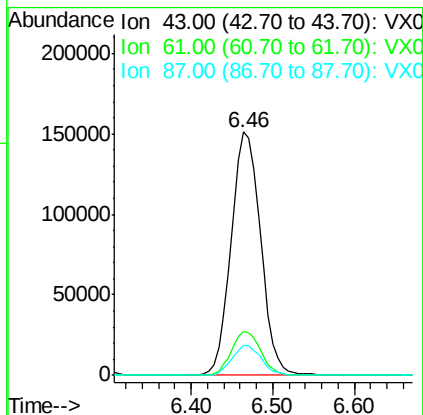
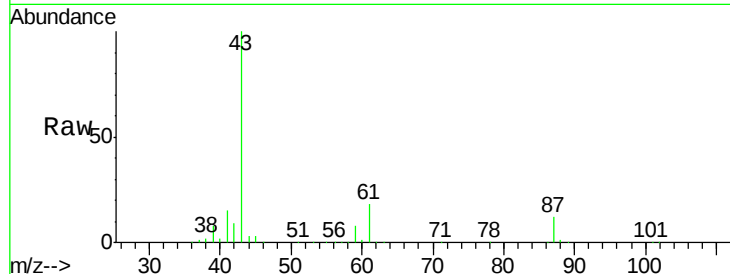


#43

Isopropyl Acetate
 Concen: 55.39 ug/l
 RT: 6.46 min Scan# 964
 Delta R.T. -0.01 min
 Lab File: VX002835.D
 Acq: 22 Jun 2018 16:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

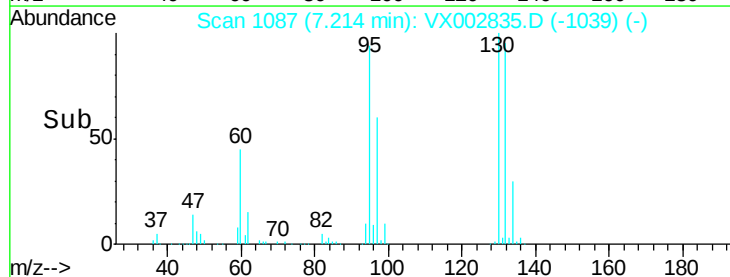
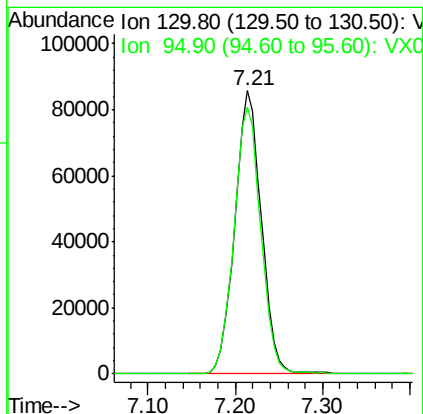
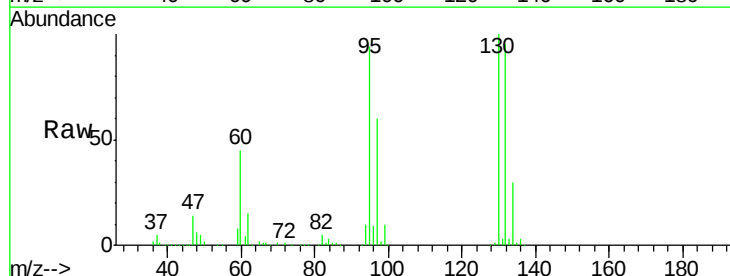
Tot Ion: 43 Resp: 377518
 Ion Ratio Lower Upper
 43 100
 61 18.1 14.4 21.6
 87 12.3 9.5 14.3

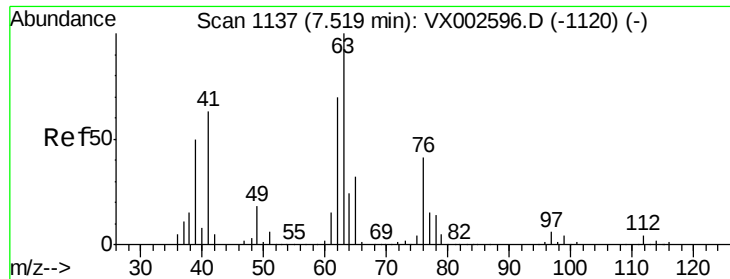


#44

Trichloroethene
 Concen: 57.62 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.01 min
 Lab File: VX002835.D
 Acq: 22 Jun 2018 16:31

Tgt Ion: 130 Resp: 181239
 Ion Ratio Lower Upper
 130 100
 95 94.3 0.0 185.4





#45

1,2-Dichloropropane

Concen: 56.42 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VX002835.D

Acq: 22 Jun 2018 16:31

Instrument :

MSVOA_X

ClientSampleId :

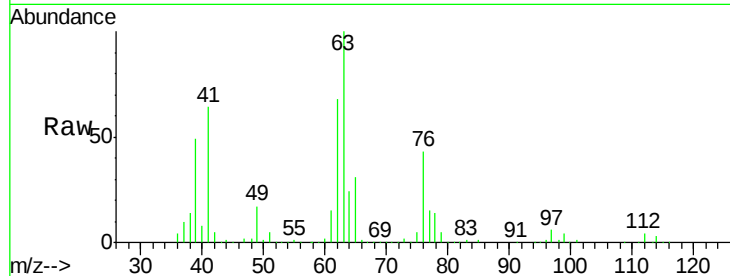
VSTDCCC050

Tot Ion: 63 Resp: 161843

Ion Ratio Lower Upper

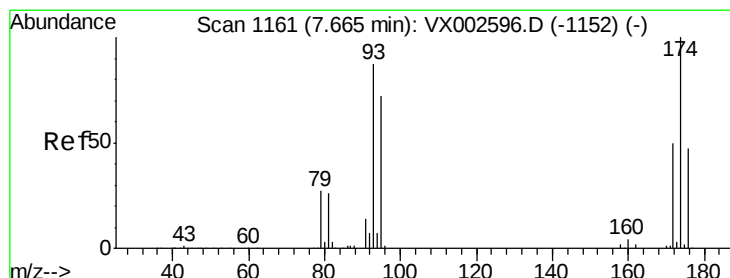
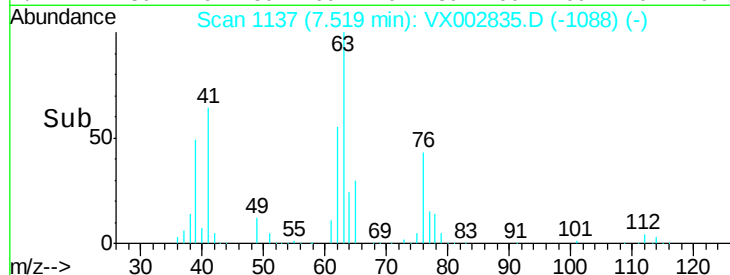
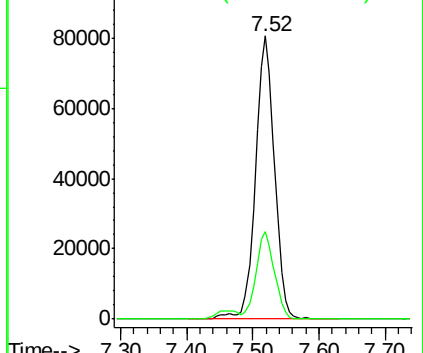
63 100

65 31.0 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 57.92 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VX002835.D

Acq: 22 Jun 2018 16:31

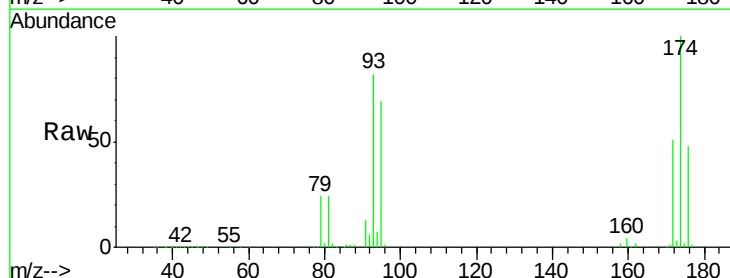
Tgt Ion: 93 Resp: 111133

Ion Ratio Lower Upper

93 100

95 83.4 65.9 98.9

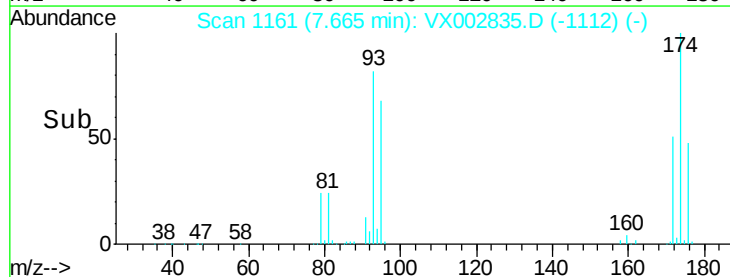
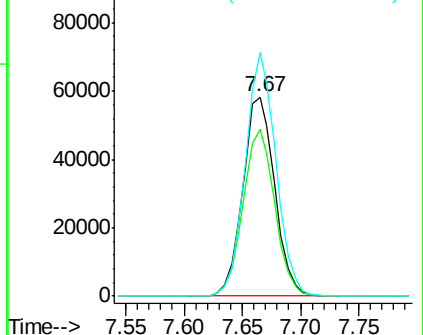
174 117.9 92.4 138.6

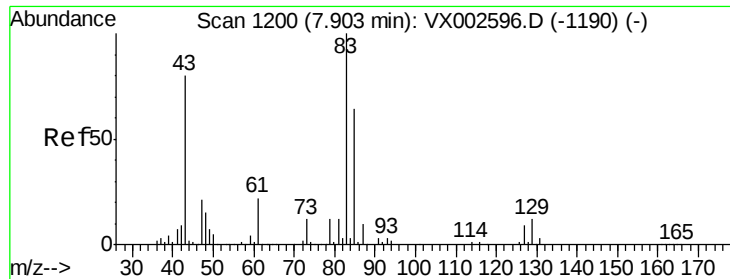


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 63.31 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX002835.D

Acq: 22 Jun 2018 16:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

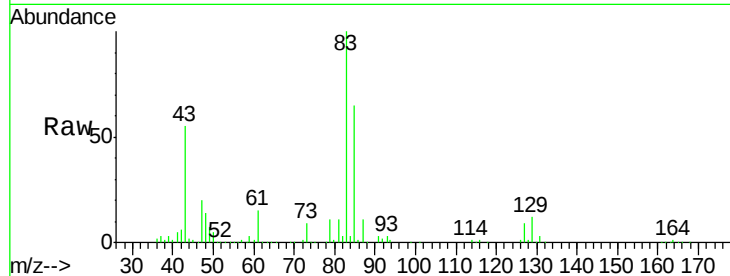
Tot Ion: 83 Resp: 214244

Ion Ratio Lower Upper

83 100

85 64.7 50.3 75.5

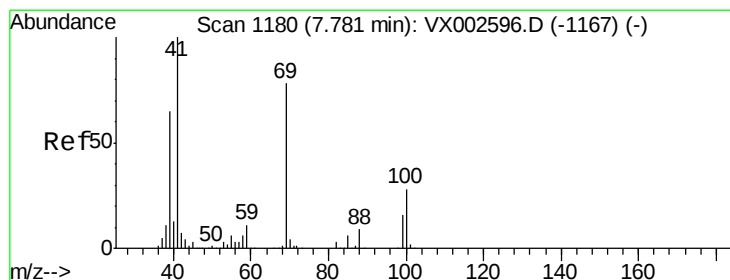
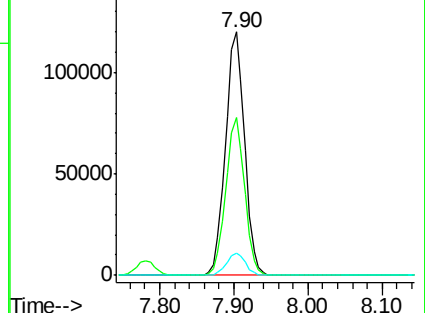
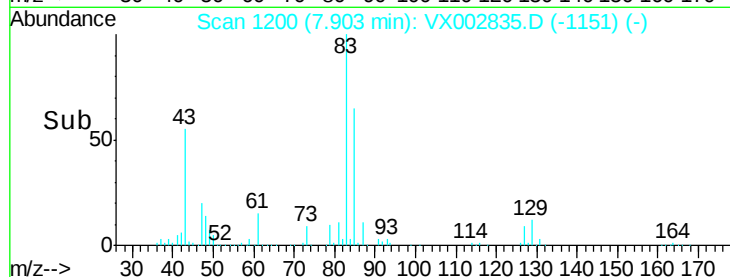
127 9.1 7.0 10.4



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: 57.88 ug/l

RT: 7.78 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VX002835.D

Acq: 22 Jun 2018 16:31

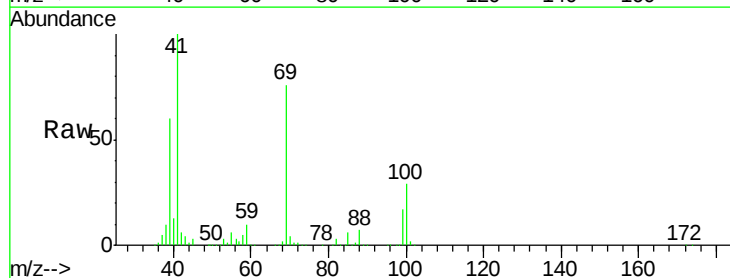
Tgt Ion: 41 Resp: 201614

Ion Ratio Lower Upper

41 100

69 75.3 59.1 88.7

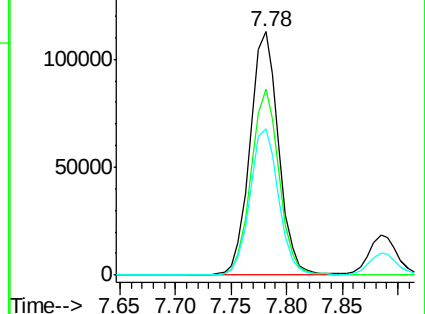
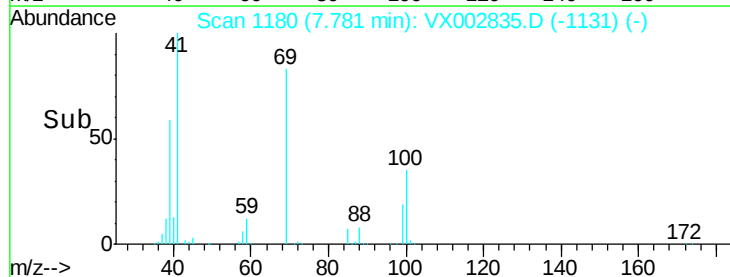
39 60.0 48.9 73.3

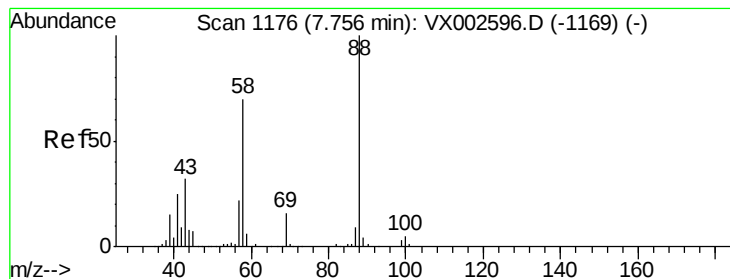


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 1059.93 ug/l

RT: 7.76 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VX002835.D

Acq: 22 Jun 2018 16:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

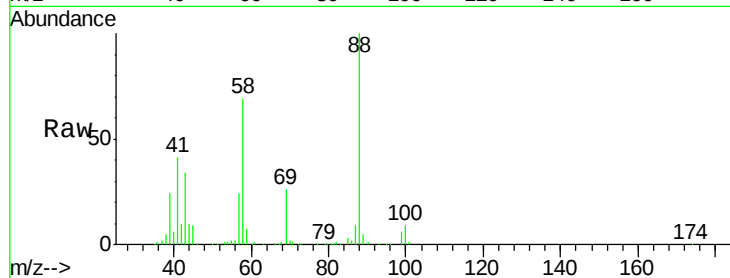
Tot Ion: 88 Resp: 69914

Ion Ratio Lower Upper

88 100

43 37.8 29.8 44.6

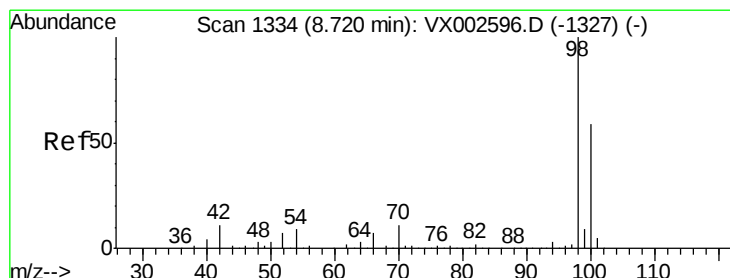
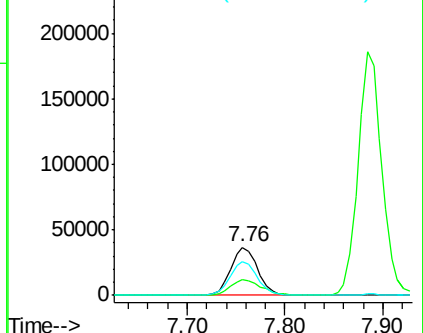
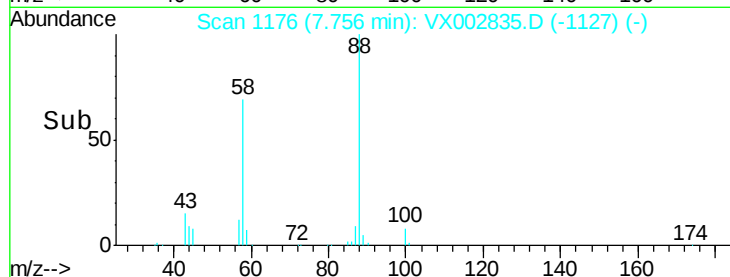
58 72.1 57.1 85.7



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 46.69 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002835.D

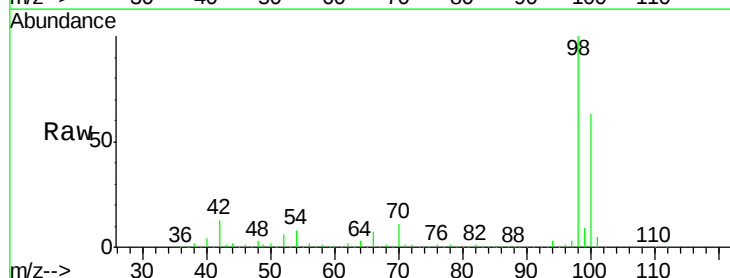
Acq: 22 Jun 2018 16:31

Tgt Ion: 98 Resp: 484219

Ion Ratio Lower Upper

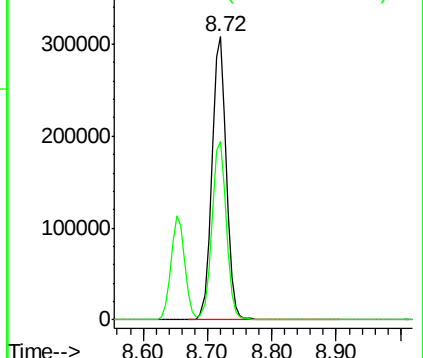
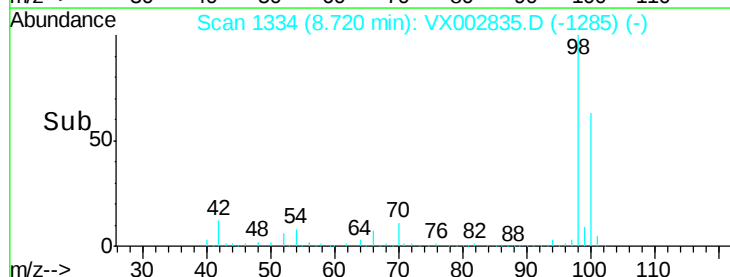
98 100

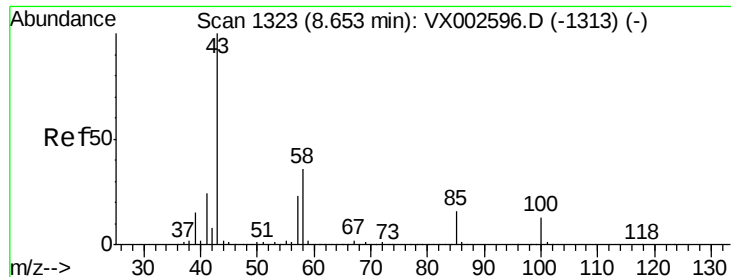
100 63.5 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

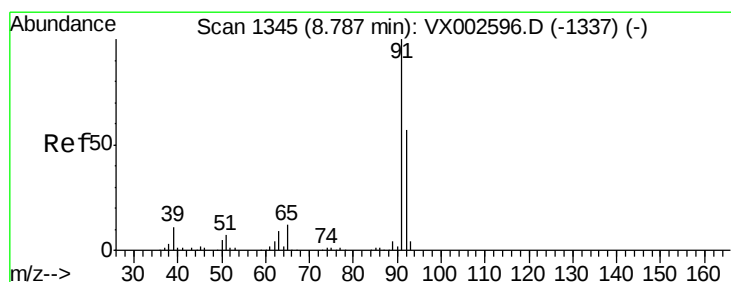
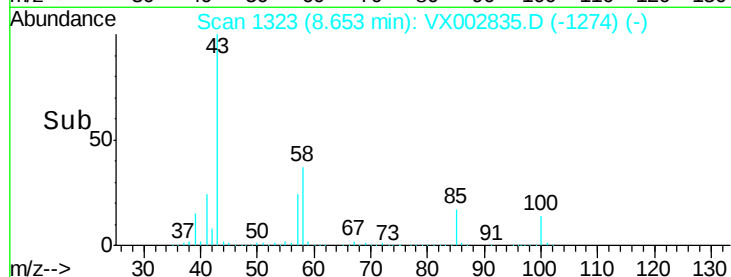
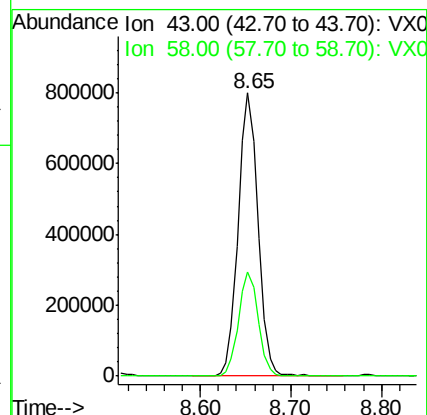
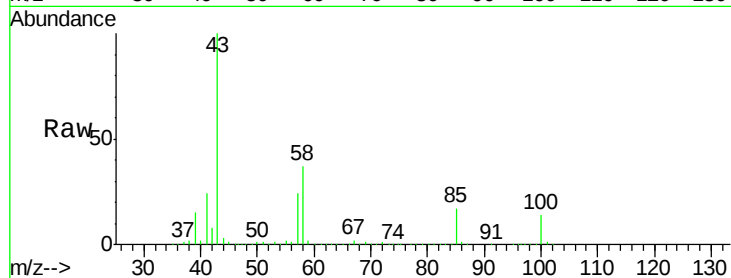




#51
4-Methyl-2-Pentanone
Concen: 277.31 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. -0.00 min
Lab File: VX002835.D
Acq: 22 Jun 2018 16:31

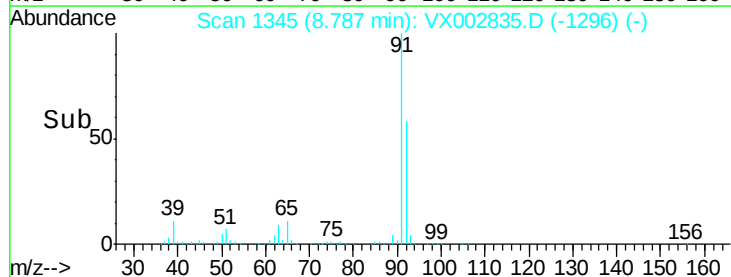
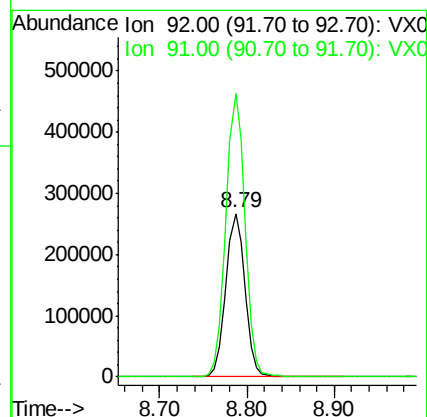
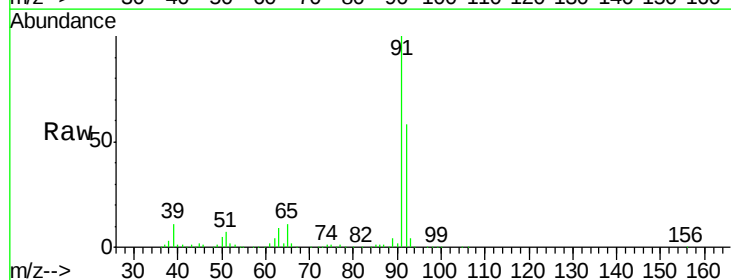
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1213597
Ion Ratio Lower Upper
43 100
58 36.5 28.6 42.8



#52
Toluene
Concen: 58.05 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VX002835.D
Acq: 22 Jun 2018 16:31

Tgt Ion: 92 Resp: 403594
Ion Ratio Lower Upper
92 100
91 173.5 140.4 210.6





#53

t-1,3-Dichloropropene

Concen: 55.63 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX002835.D

Acq: 22 Jun 2018 16:31

Instrument :

MSVOA_X

ClientSampleId :

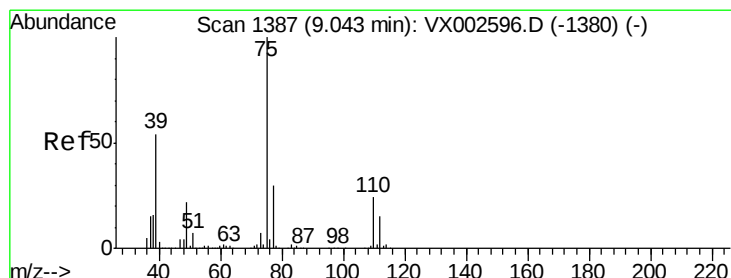
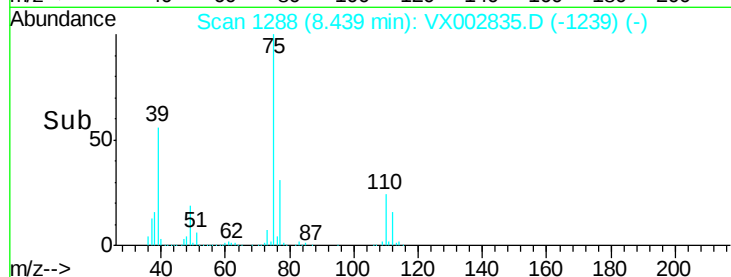
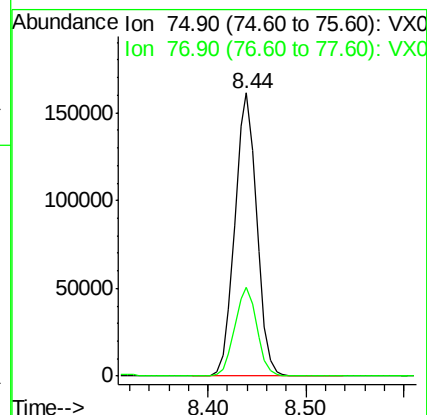
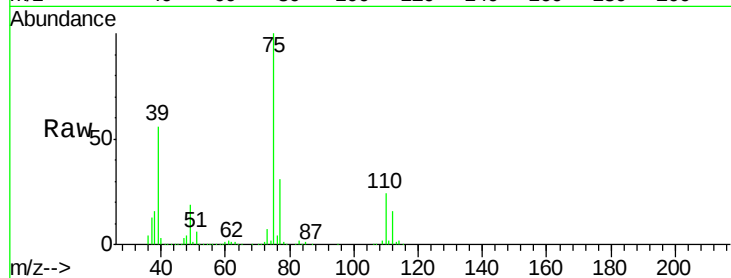
VSTDCCC050

Tot Ion: 75 Resp: 250461

Ion Ratio Lower Upper

75 100

77 31.4 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 54.52 ug/l

RT: 9.04 min Scan# 1387

Delta R.T. 0.00 min

Lab File: VX002835.D

Acq: 22 Jun 2018 16:31

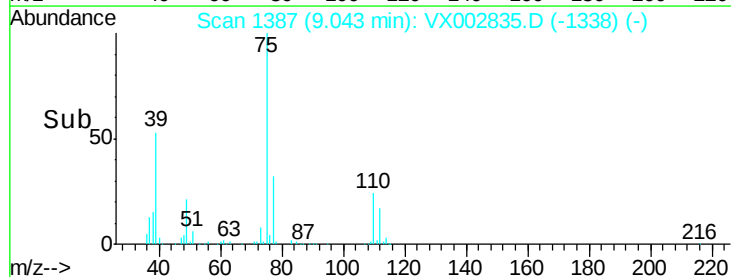
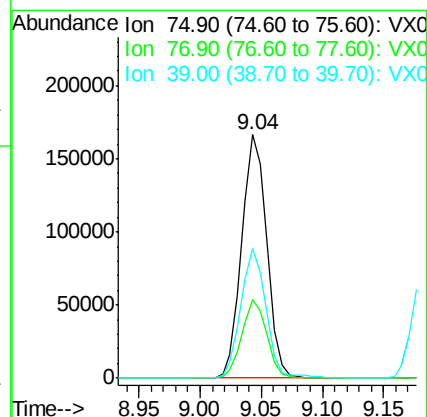
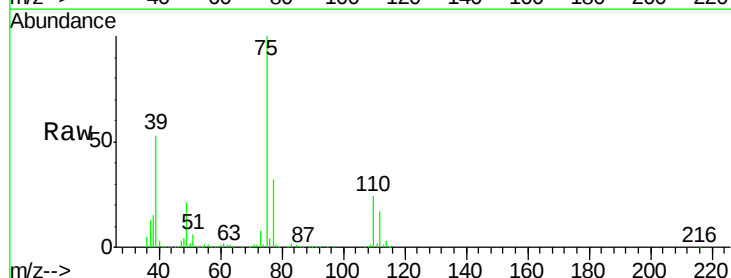
Tgt Ion: 75 Resp: 234301

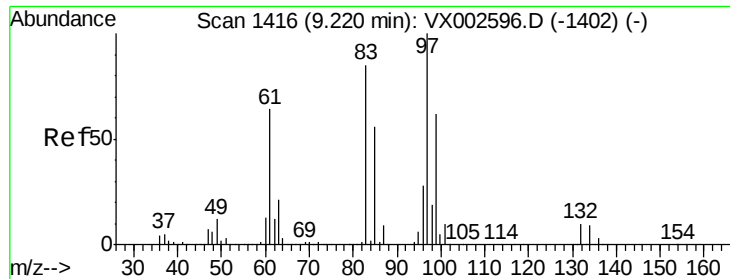
Ion Ratio Lower Upper

75 100

77 32.1 24.8 37.2

39 53.0 42.4 63.6

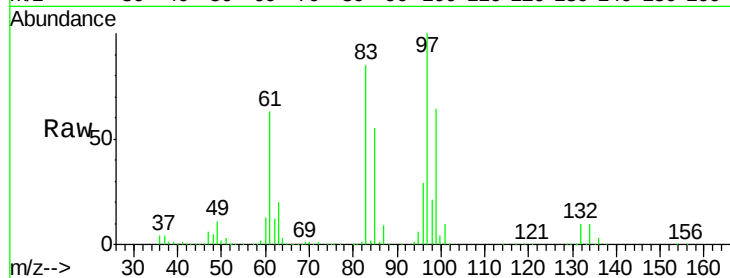




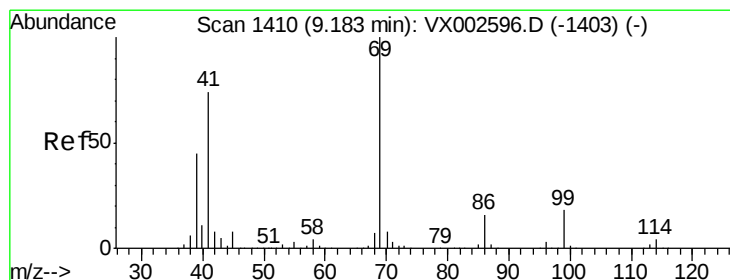
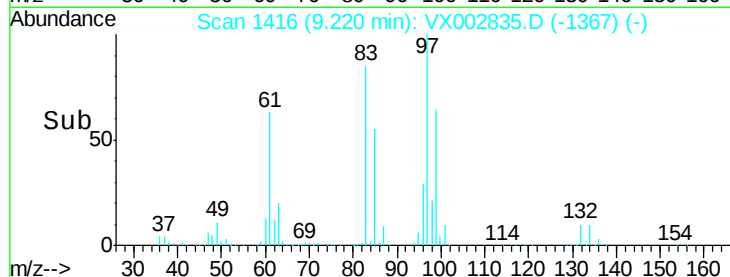
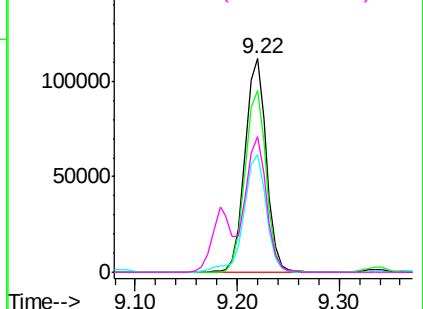
#55
 1,1,2-Trichloroethane
 Concen: 57.87 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX002835.D
 Acq: 22 Jun 2018 16:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	162558
Ion	Ratio	Lower	Upper
97	100		
83	85.0	70.2	105.2
85	54.9	44.9	67.3
99	63.6	49.8	74.8

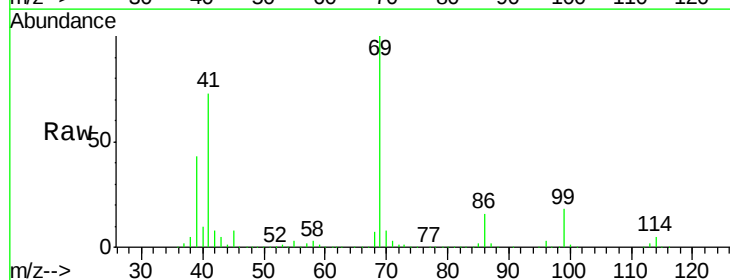


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

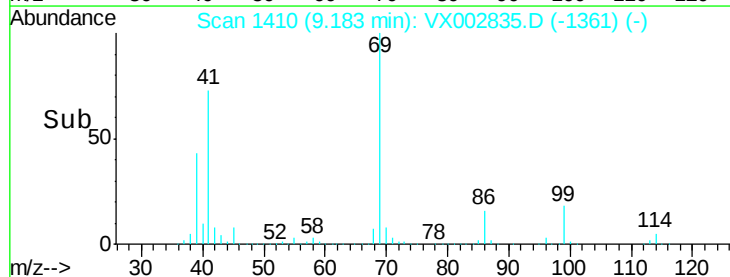
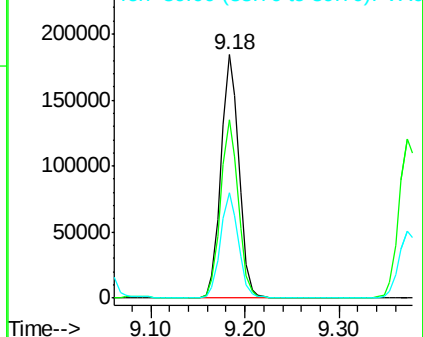


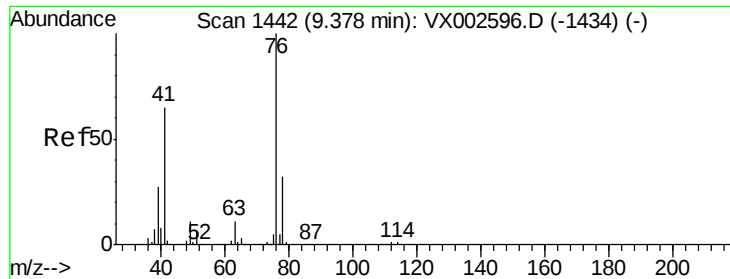
#56
 Ethyl methacrylate
 Concen: 56.57 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX002835.D
 Acq: 22 Jun 2018 16:31

Tgt Ion:	69	Resp:	244544
Ion	Ratio	Lower	Upper
69	100		
41	72.5	60.3	90.5
39	43.0	35.8	53.8



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





#57

1,3-Dichloropropane

Concen: 56.63 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. -0.01 min

Lab File: VX002835.D

Acq: 22 Jun 2018 16:31

Instrument :

MSVOA_X

ClientSampleId :

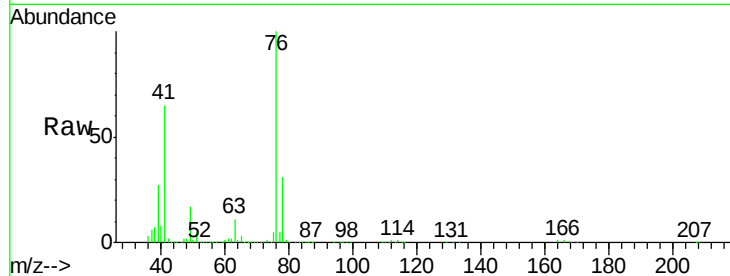
VSTDCCC050

Tot Ion: 76 Resp: 269033

Ion Ratio Lower Upper

76 100

78 31.9 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

200000

150000

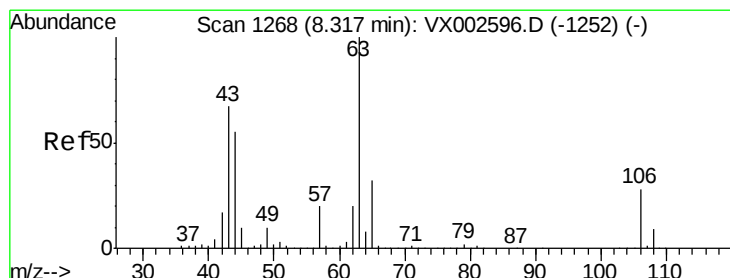
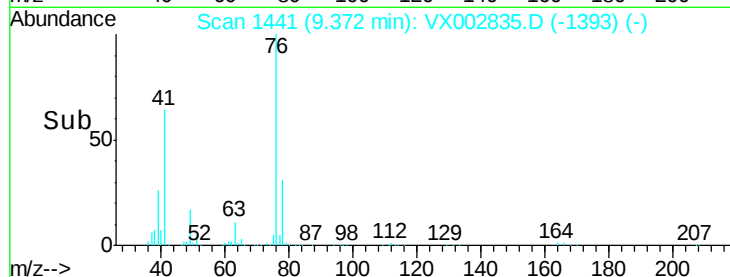
100000

50000

0

Time-->

9.30 9.35 9.40 9.45 9.50



#58

2-Chloroethyl Vinyl ether

Concen: 254.02 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VX002835.D

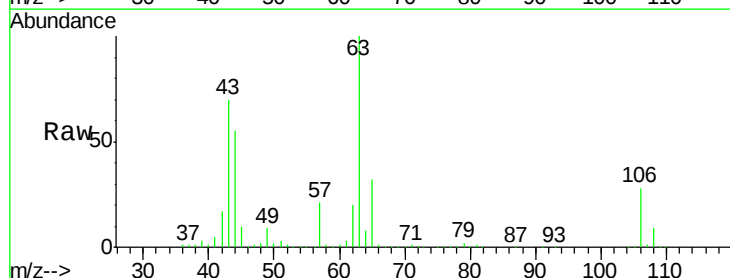
Acq: 22 Jun 2018 16:31

Tgt Ion: 63 Resp: 531130

Ion Ratio Lower Upper

63 100

106 28.0 21.8 32.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.32

400000

300000

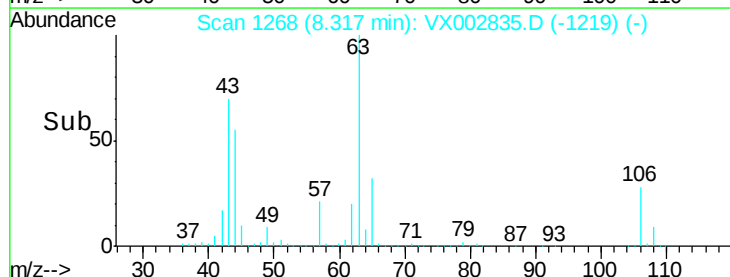
200000

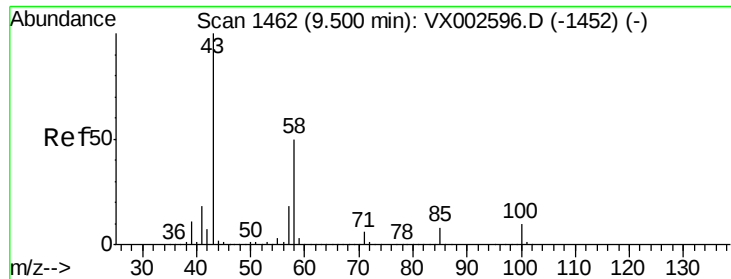
100000

0

Time-->

8.20 8.30 8.40

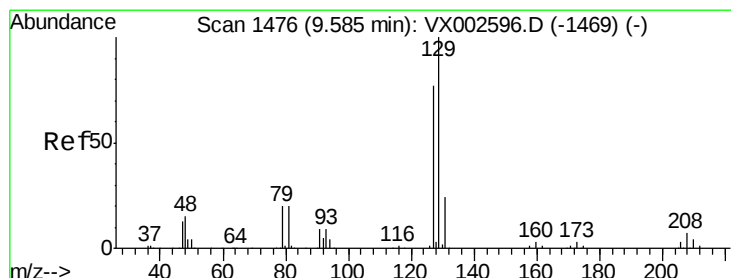
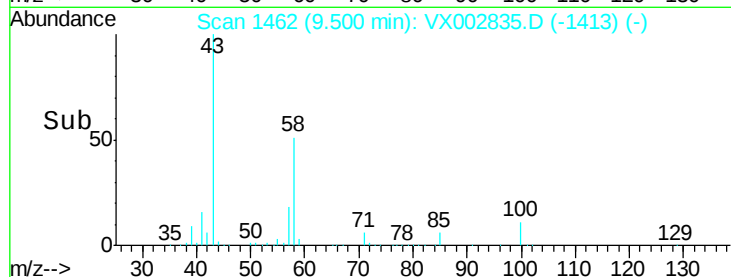
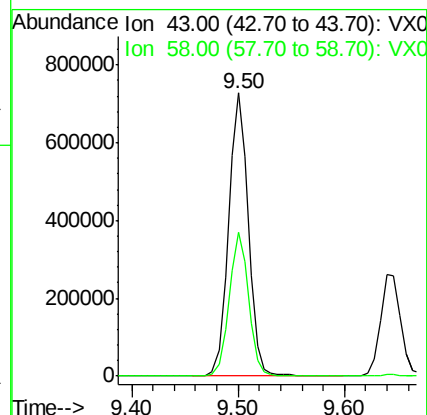
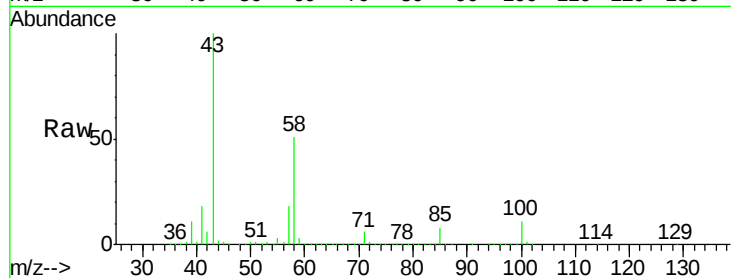




#59
2-Hexanone
Concen: 285.71 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX002835.D
Acq: 22 Jun 2018 16:31

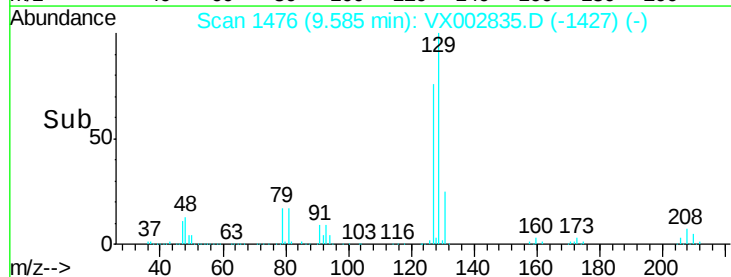
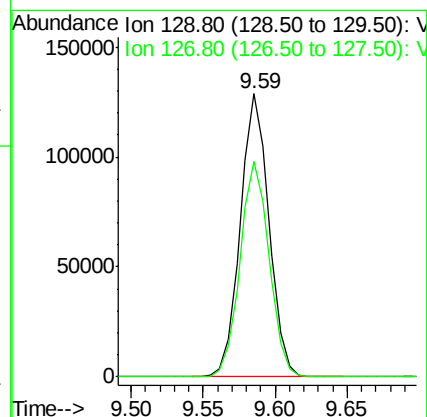
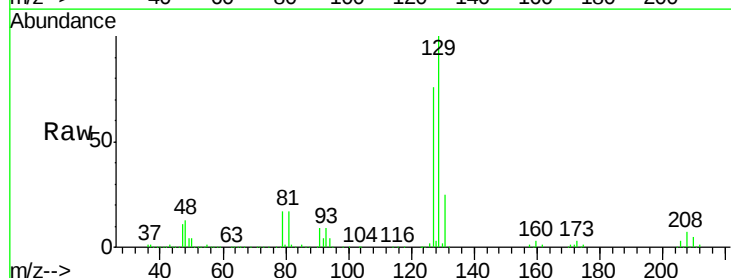
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

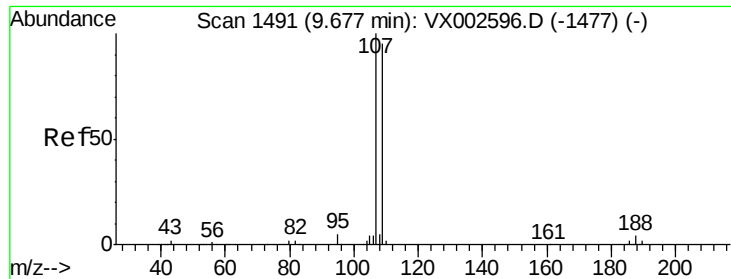
Tot Ion: 43 Resp: 942191
Ion Ratio Lower Upper
43 100
58 50.2 24.6 73.6



#60
Dibromochloromethane
Concen: 55.85 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX002835.D
Acq: 22 Jun 2018 16:31

Tgt Ion: 129 Resp: 177977
Ion Ratio Lower Upper
129 100
127 77.3 38.5 115.3





#61

1,2-Dibromoethane

Concen: 59.60 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX002835.D

Acq: 22 Jun 2018 16:31

Instrument :

MSVOA_X

ClientSampleId :

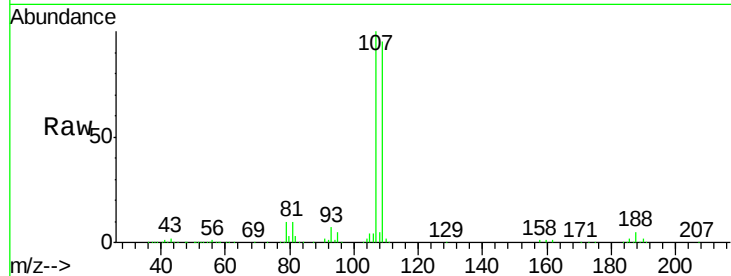
VSTDCCC050

Tot Ion:107 Resp: 173409

Ion Ratio Lower Upper

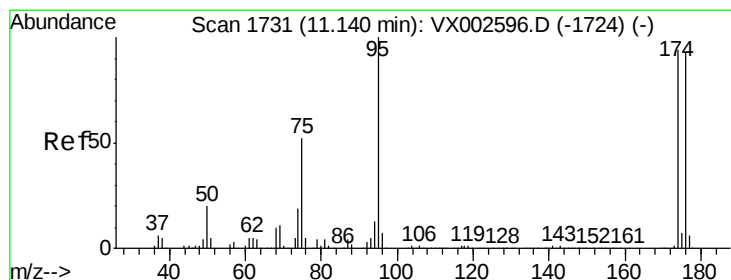
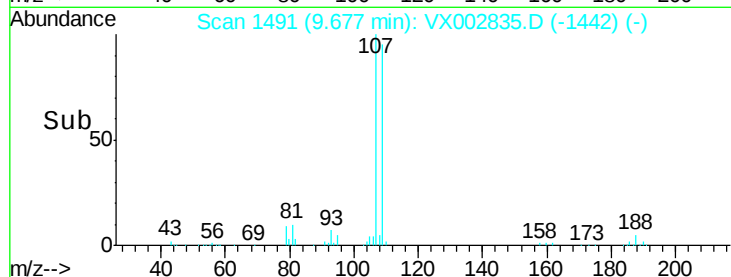
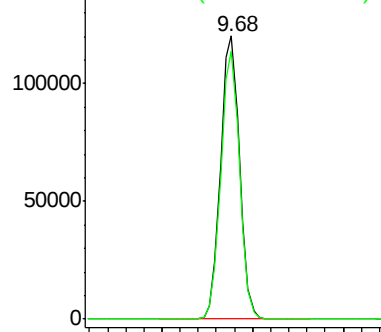
107 100

109 94.0 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.94 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002835.D

Acq: 22 Jun 2018 16:31

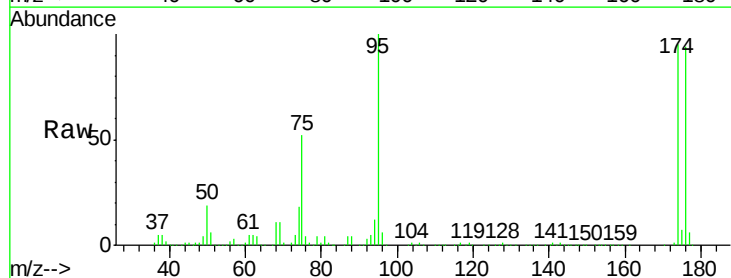
Tgt Ion: 95 Resp: 196247

Ion Ratio Lower Upper

95 100

174 96.1 0.0 187.4

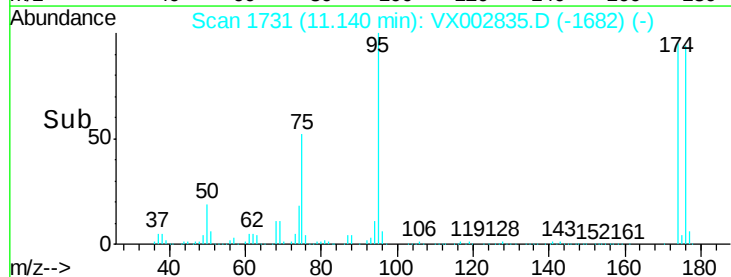
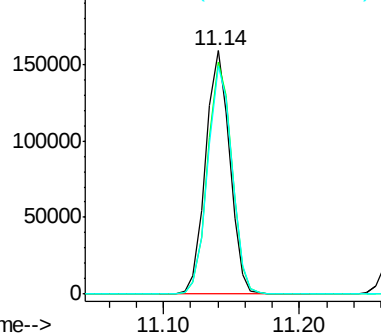
176 94.5 0.0 181.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

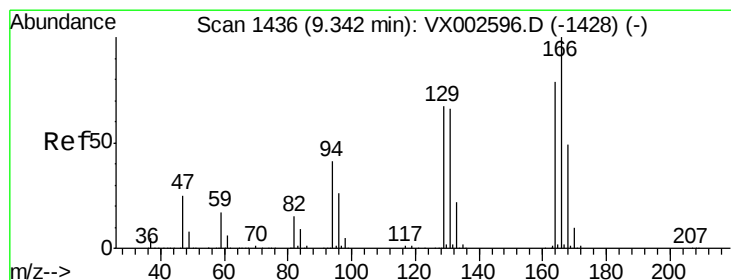
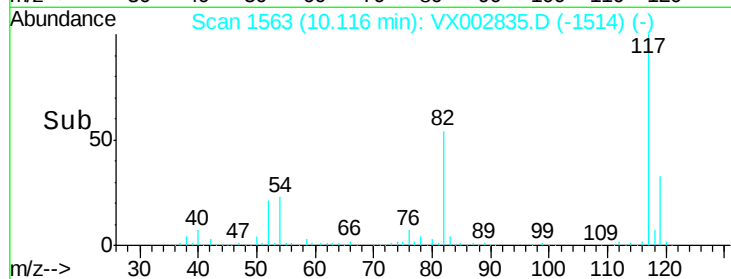
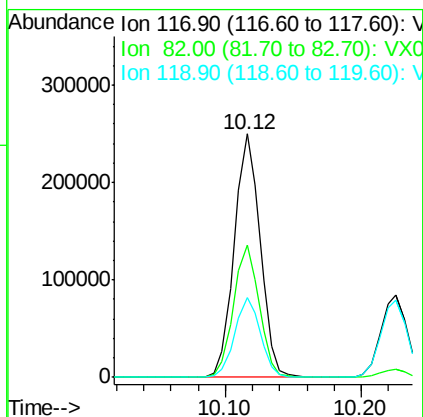
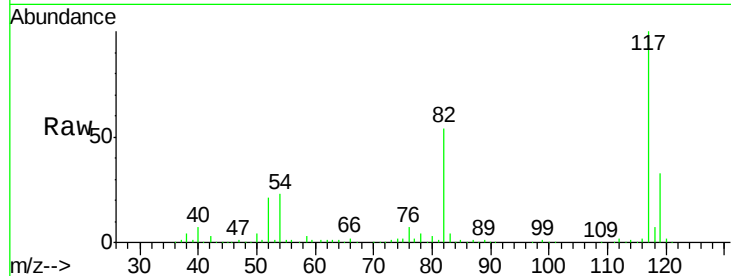




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002835.D
Acq: 22 Jun 2018 16:31

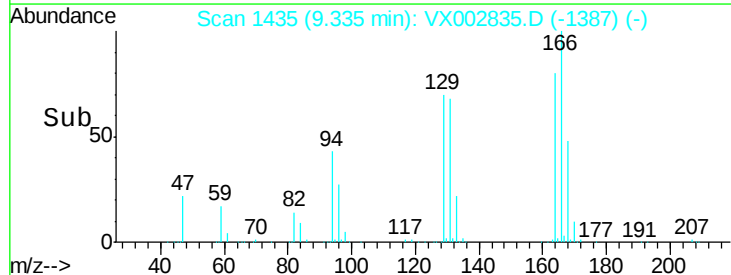
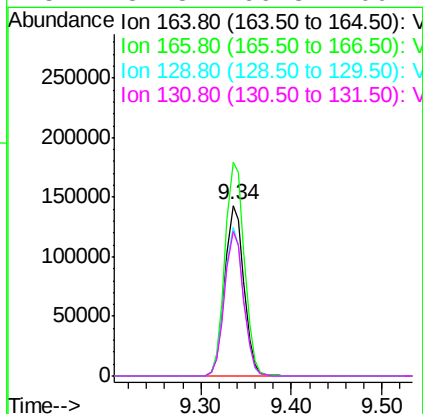
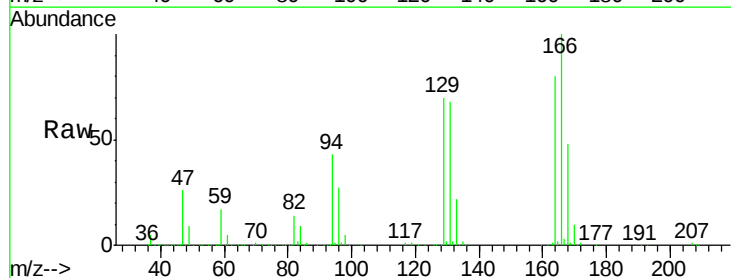
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

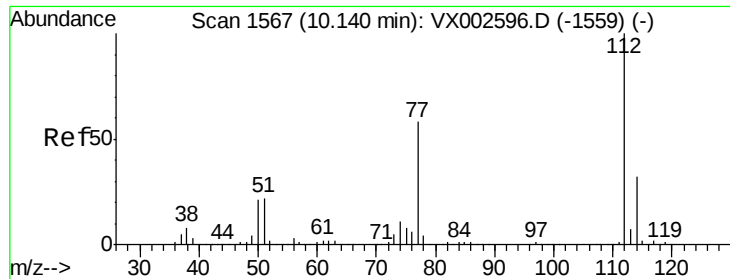
Tot Ion:117 Resp: 331470
Ion Ratio Lower Upper
117 100
82 54.3 45.0 67.4
119 32.8 25.8 38.6



#64
Tetrachloroethene
Concen: 56.66 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.01 min
Lab File: VX002835.D
Acq: 22 Jun 2018 16:31

Tgt Ion:164 Resp: 208489
Ion Ratio Lower Upper
164 100
166 125.4 102.9 154.3
129 87.5 68.6 102.8
131 84.8 66.8 100.2





#65

Chlorobenzene

Concen: 57.50 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VX002835.D

Acq: 22 Jun 2018 16:31

Instrument :

MSVOA_X

ClientSampleId :

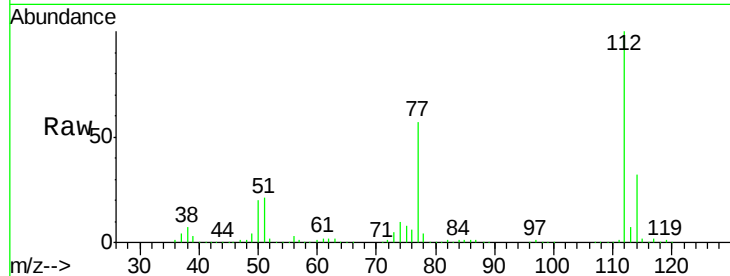
VSTDCCC050

Tot Ion:112 Resp: 468073

Ion Ratio Lower Upper

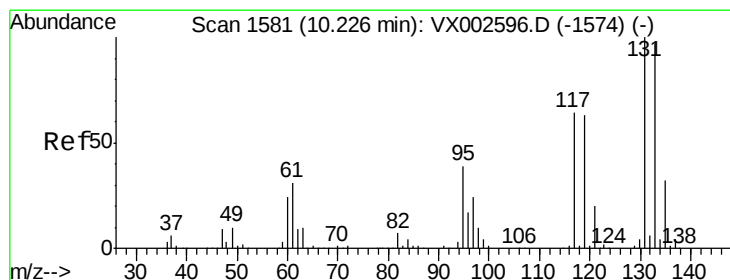
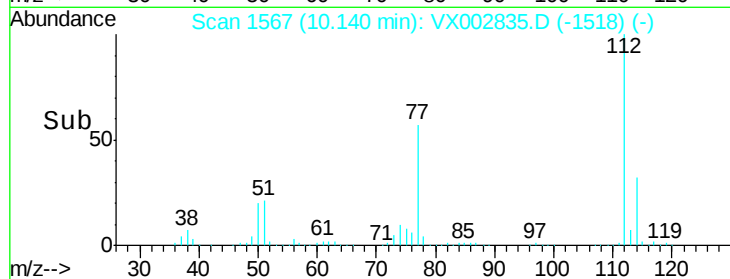
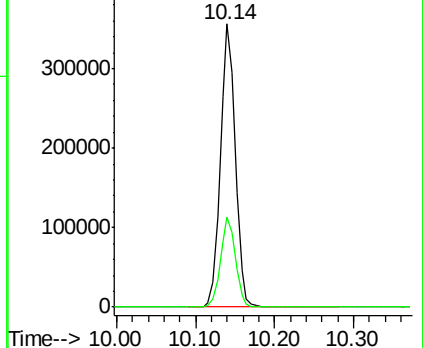
112 100

114 31.7 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 62.18 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX002835.D

Acq: 22 Jun 2018 16:31

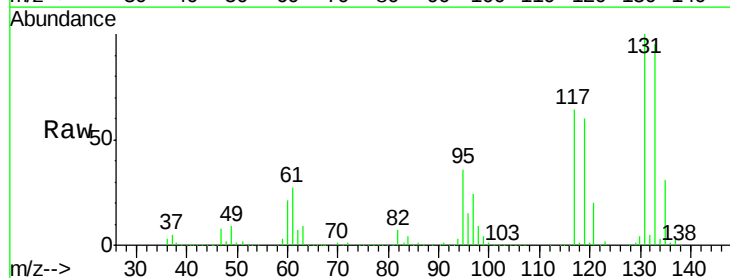
Tgt Ion:131 Resp: 172566

Ion Ratio Lower Upper

131 100

133 95.7 47.9 143.6

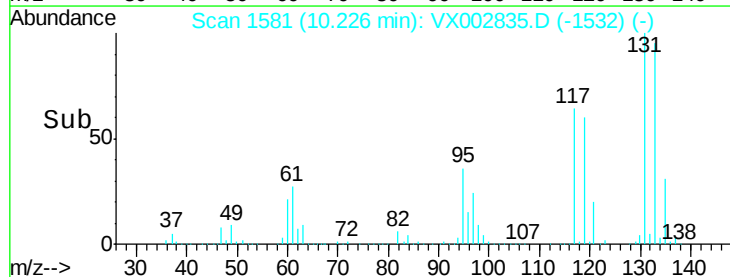
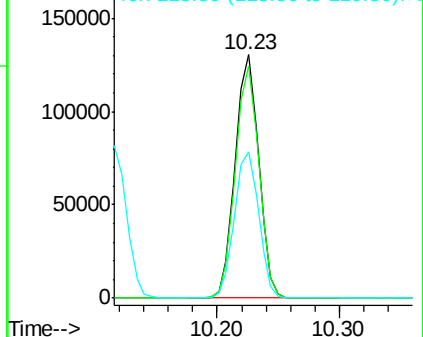
119 62.1 31.8 95.3

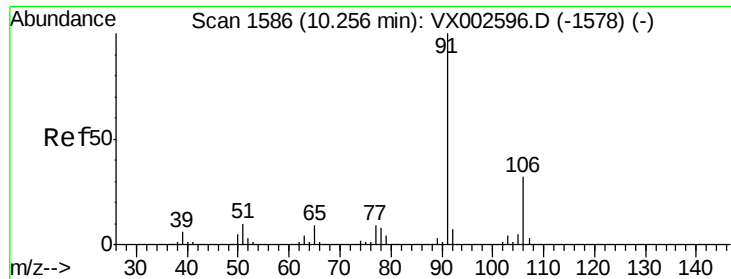


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

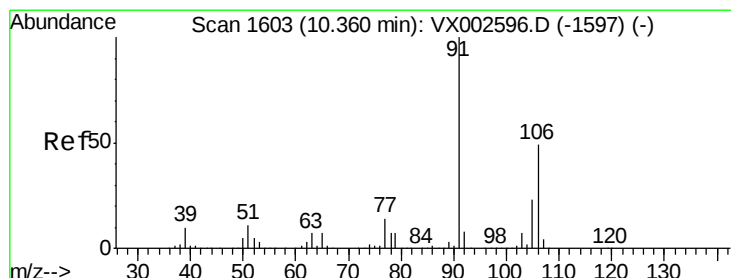
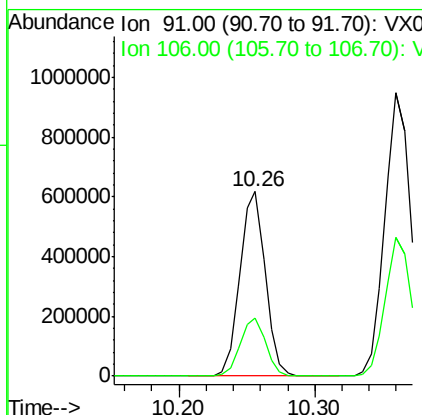
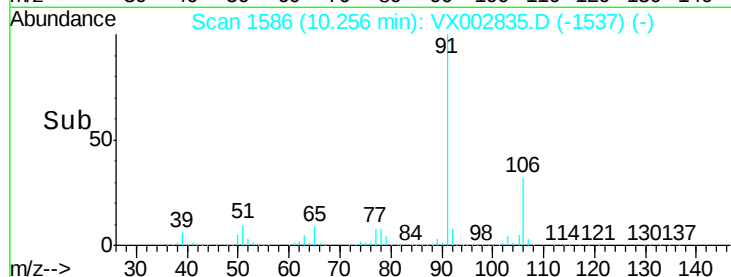
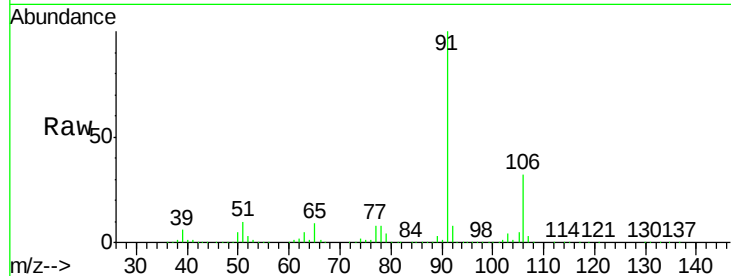




#67
Ethyl Benzene
Concen: 58.68 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX002835.D
Acq: 22 Jun 2018 16:31

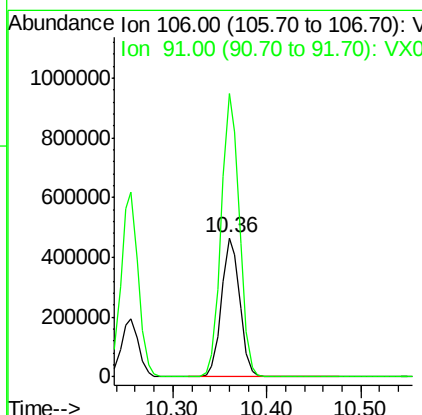
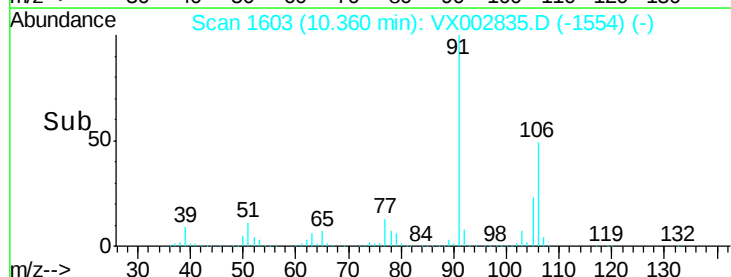
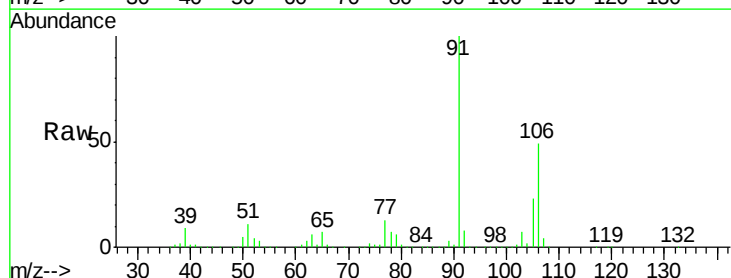
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

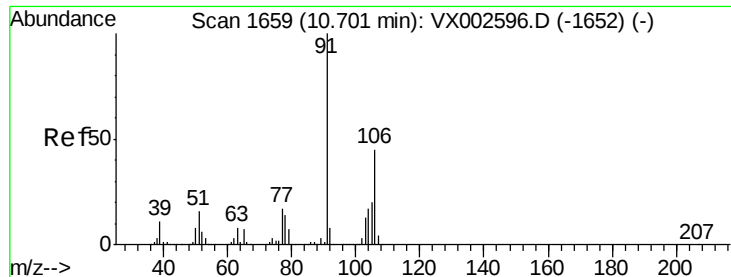
Tot Ion: 91 Resp: 805766
Ion Ratio Lower Upper
91 100
106 31.7 25.5 38.3



#68
m/p-Xylenes
Concen: 118.05 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX002835.D
Acq: 22 Jun 2018 16:31

Tgt Ion: 106 Resp: 625222
Ion Ratio Lower Upper
106 100
91 203.0 163.4 245.2

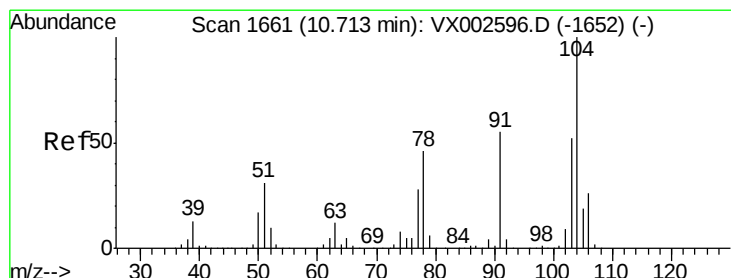
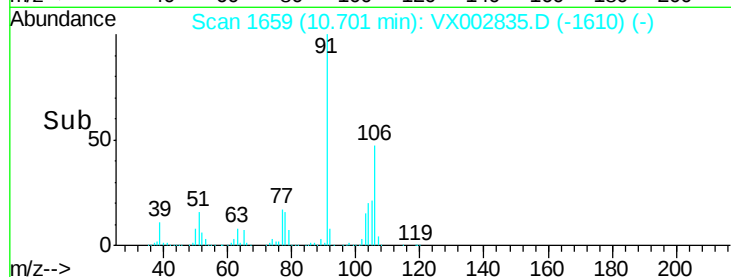
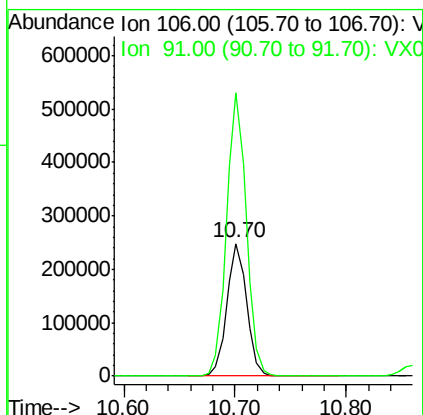
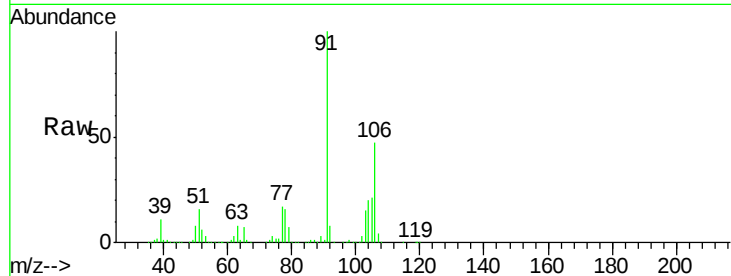




#69
o-Xylene
Concen: 58.18 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002835.D
Acq: 22 Jun 2018 16:31

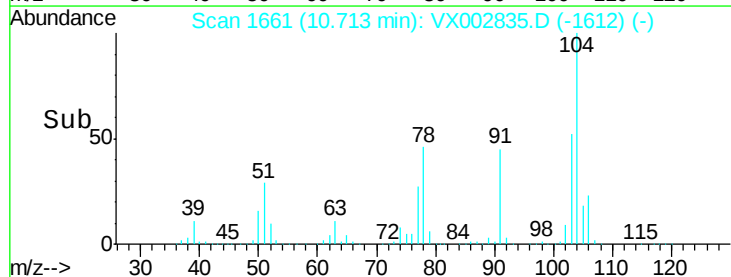
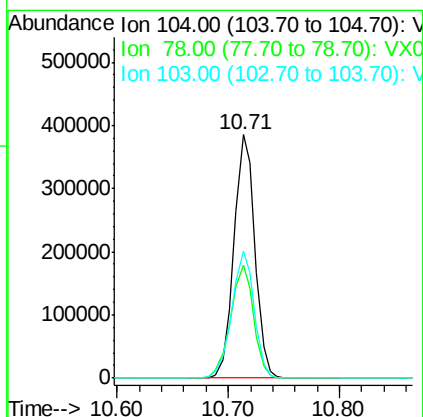
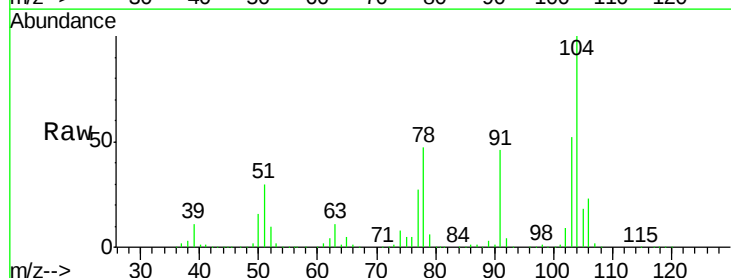
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

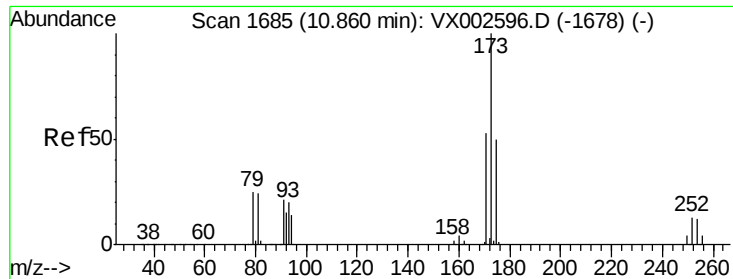
Tot Ion:106 Resp: 302737
Ion Ratio Lower Upper
106 100
91 214.0 108.2 324.6



#70
Styrene
Concen: 58.59 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX002835.D
Acq: 22 Jun 2018 16:31

Tgt Ion:104 Resp: 501434
Ion Ratio Lower Upper
104 100
78 50.9 41.0 61.6
103 55.7 44.2 66.4

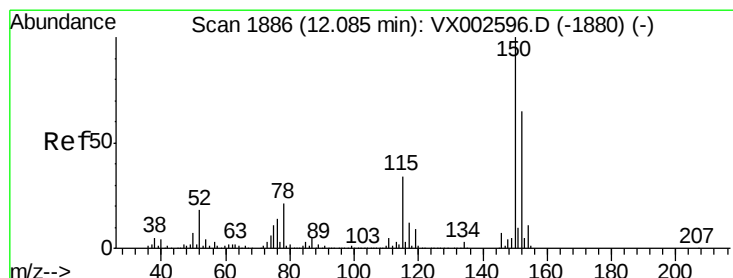
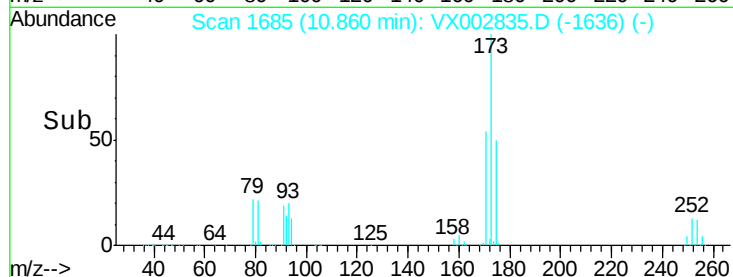
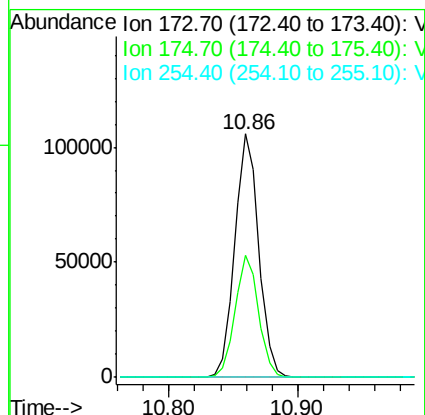
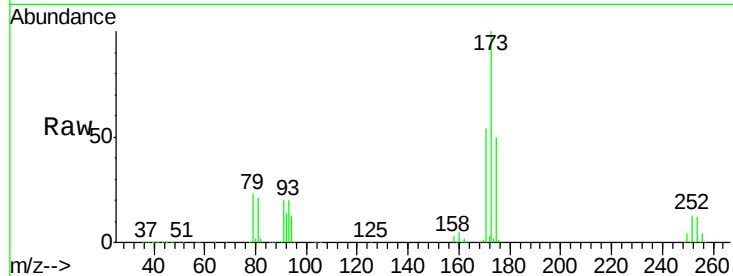




#71
Bromoform
Concen: 53.98 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX002835.D
Acq: 22 Jun 2018 16:31

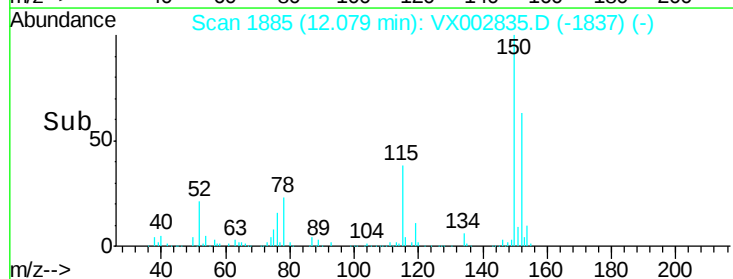
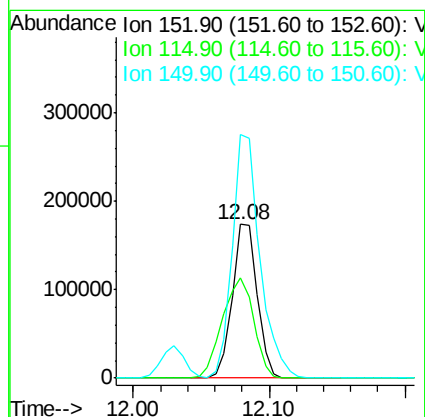
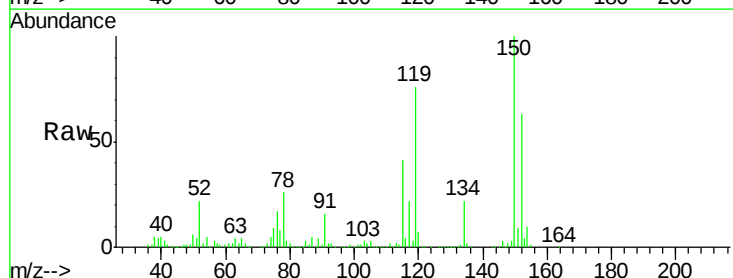
Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

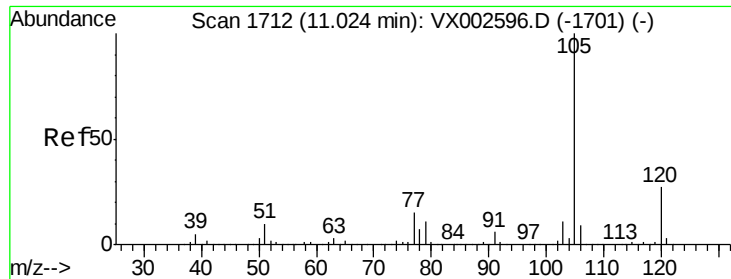
Tot Ion:173 Resp: 137457
Ion Ratio Lower Upper
173 100
175 49.2 24.7 74.1
254 0.2 0.2 0.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VX002835.D
Acq: 22 Jun 2018 16:31

Tgt Ion:152 Resp: 220534
Ion Ratio Lower Upper
152 100
115 82.4 40.1 120.2
150 176.8 0.0 347.2





#73

Isopropylbenzene

Concen: 56.58 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002835.D

Acq: 22 Jun 2018 16:31

Instrument :

MSVOA_X

ClientSampleId :

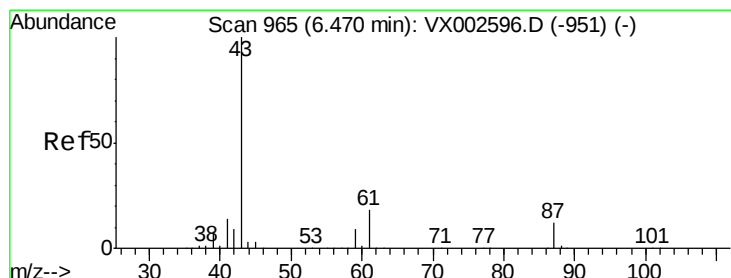
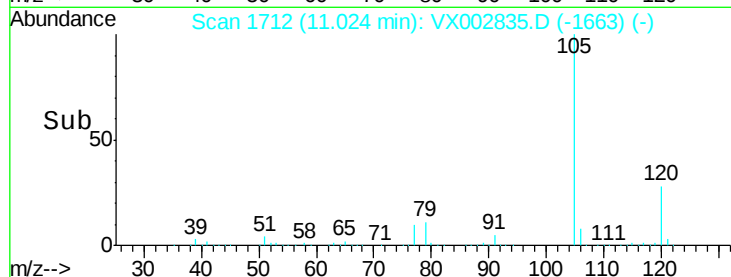
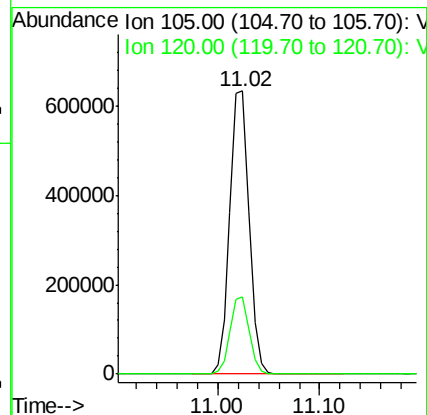
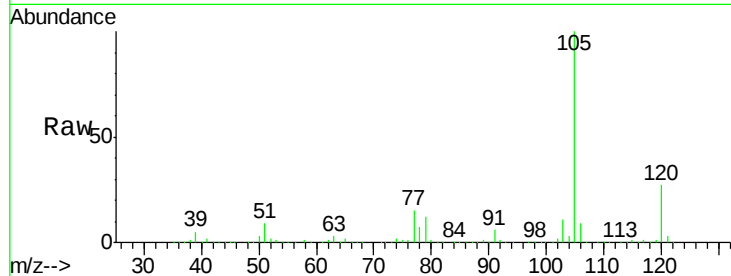
VSTDCCC050

Tot Ion:105 Resp: 834560

Ion Ratio Lower Upper

105 100

120 26.9 13.5 40.4



#74

N-ethyl acetate

Concen: 51.52 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.01 min

Lab File: VX002835.D

Acq: 22 Jun 2018 16:31

Tgt Ion: 43 Resp: 377518

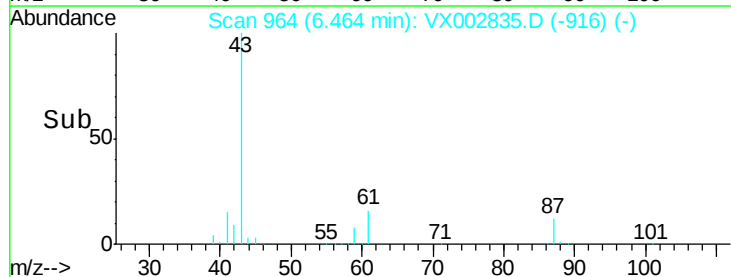
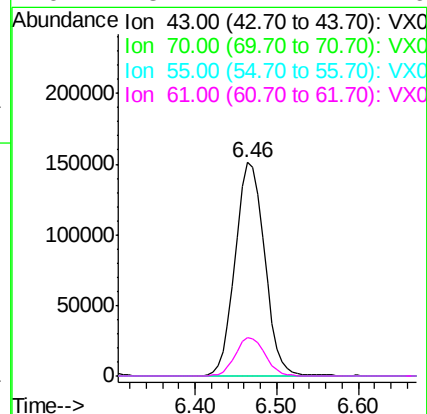
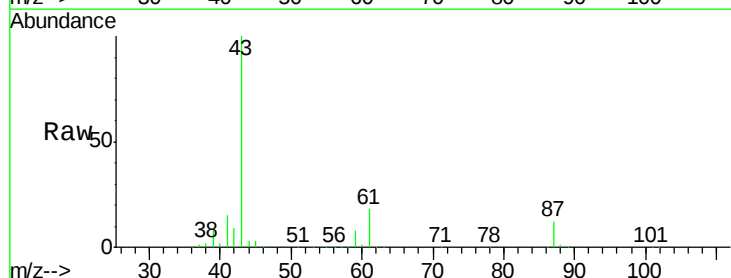
Ion Ratio Lower Upper

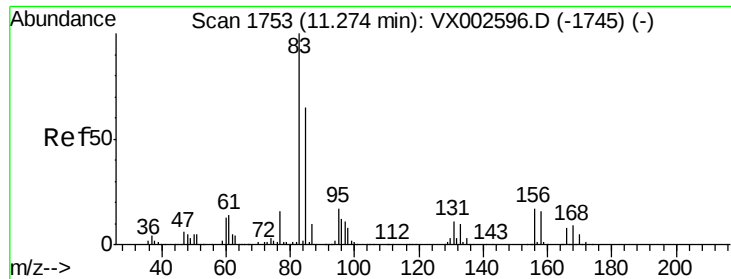
43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

61 18.1 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 55.68 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX002835.D

Acq: 22 Jun 2018 16:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

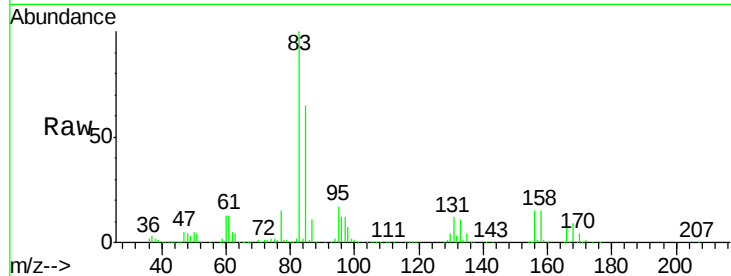
Tot Ion: 83 Resp: 242520

Ion	Ratio	Lower	Upper
83	100		
131	11.2	5.6	16.8
85	64.2	32.4	97.2

83 100

131 11.2 5.6 16.8

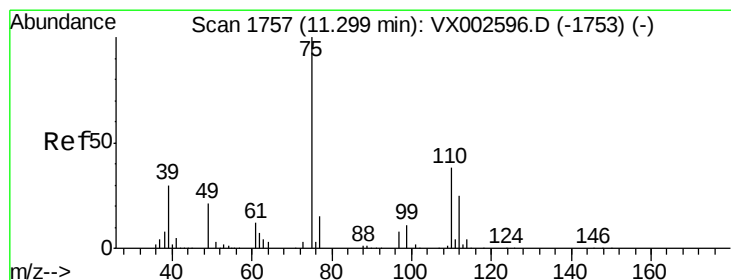
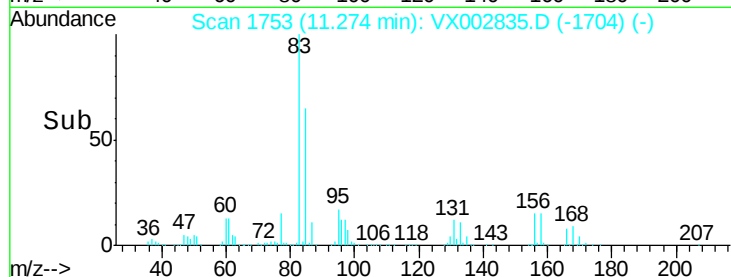
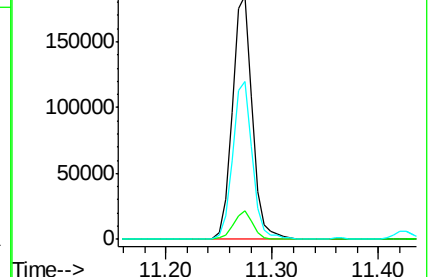
85 64.2 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 69.03 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VX002835.D

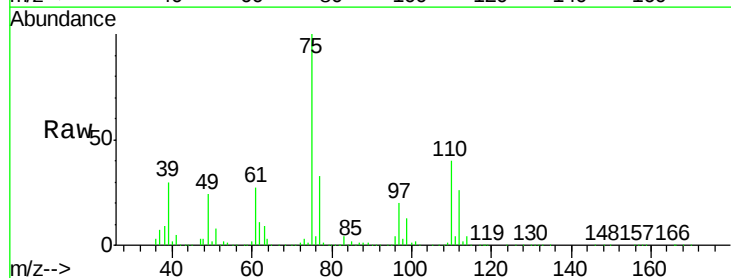
Acq: 22 Jun 2018 16:31

Tgt Ion: 75 Resp: 287264

Ion	Ratio	Lower	Upper
75	100		
77	32.3	22.8	68.3

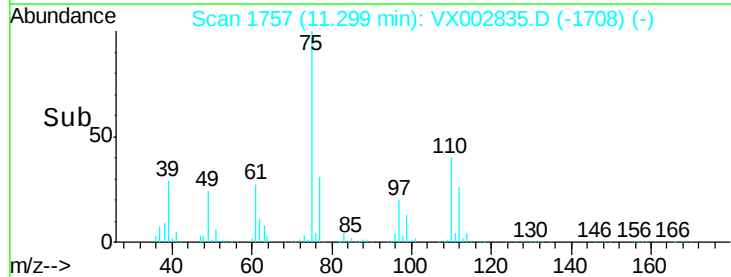
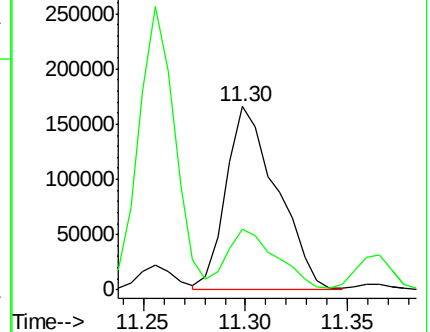
75 100

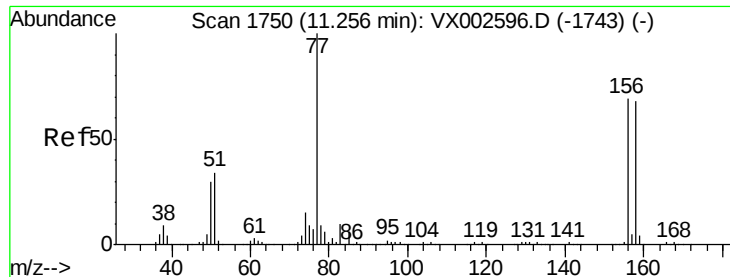
77 32.3 22.8 68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 55.36 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX002835.D

Acq: 22 Jun 2018 16:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

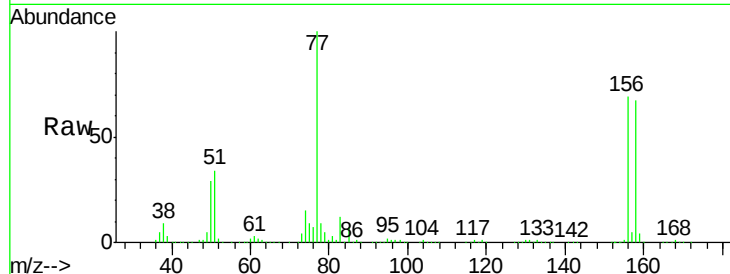
Tot Ion:156 Resp: 227467

Ion Ratio Lower Upper

156 100

77 138.5 71.4 214.2

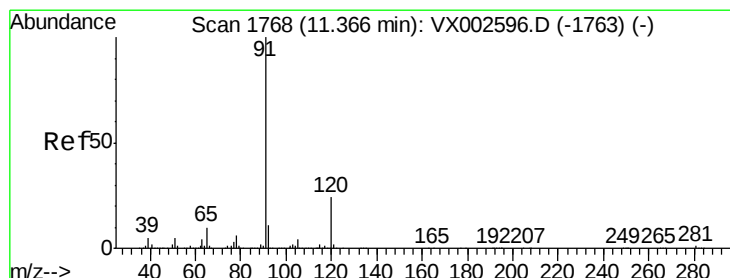
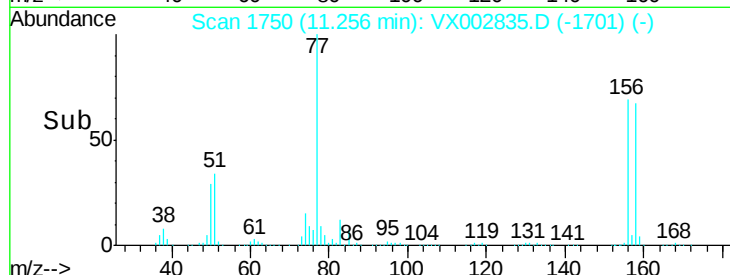
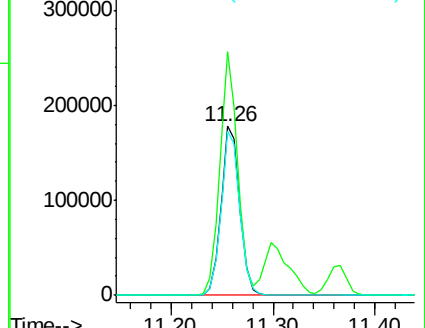
158 96.8 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 56.99 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002835.D

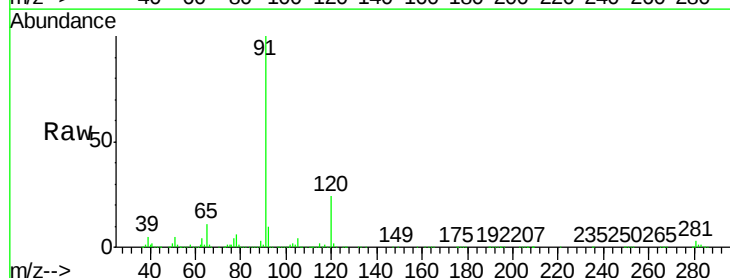
Acq: 22 Jun 2018 16:31

Tgt Ion: 91 Resp: 964007

Ion Ratio Lower Upper

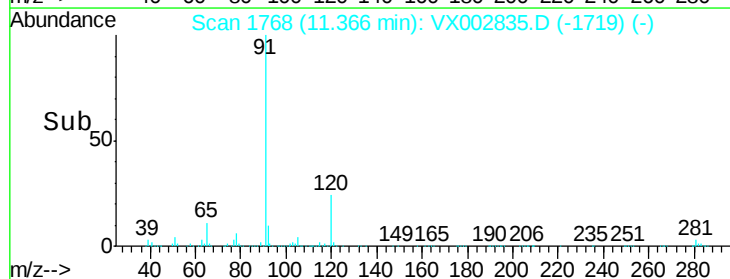
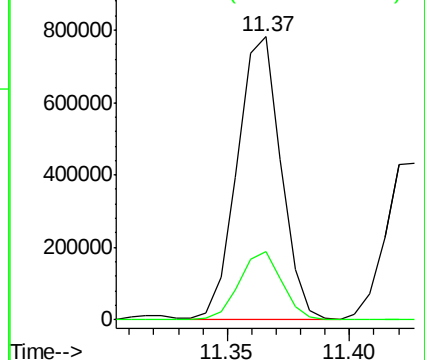
91 100

120 24.0 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 55.42 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX002835.D

Acq: 22 Jun 2018 16:31

Instrument :

MSVOA_X

ClientSampleId :

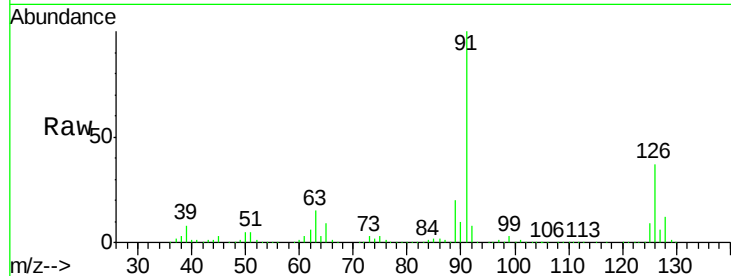
VSTDCCC050

Tot Ion: 91 Resp: 559744

Ion Ratio Lower Upper

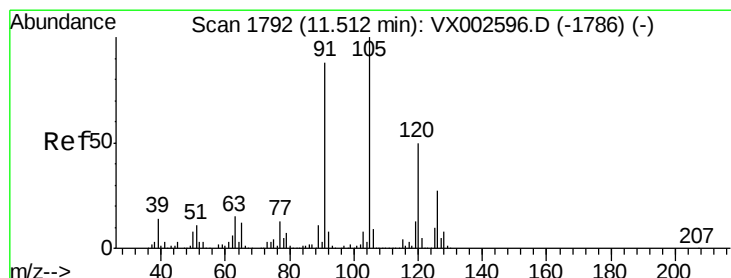
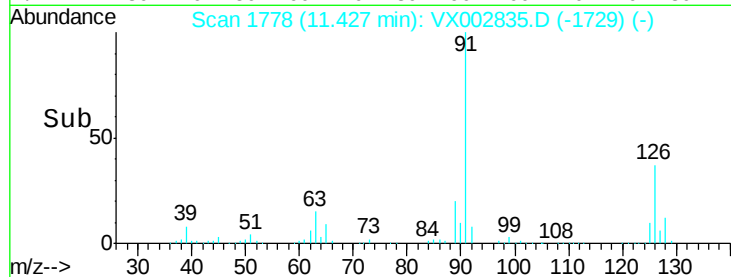
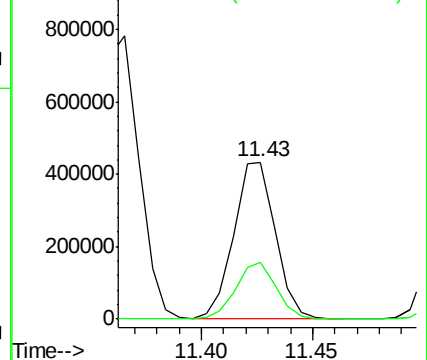
91 100

126 35.5 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 57.07 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002835.D

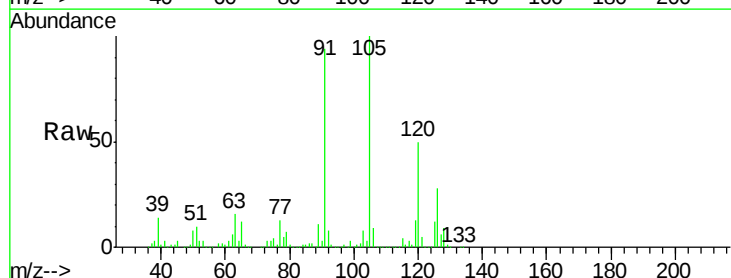
Acq: 22 Jun 2018 16:31

Tgt Ion:105 Resp: 711380

Ion Ratio Lower Upper

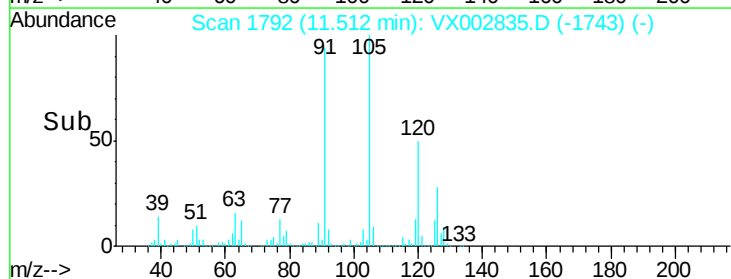
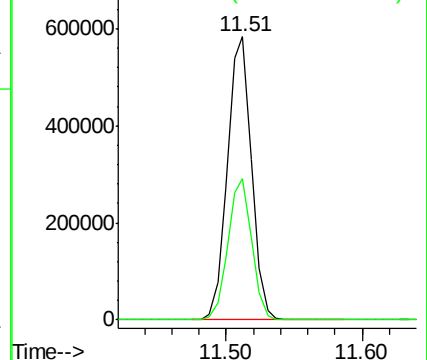
105 100

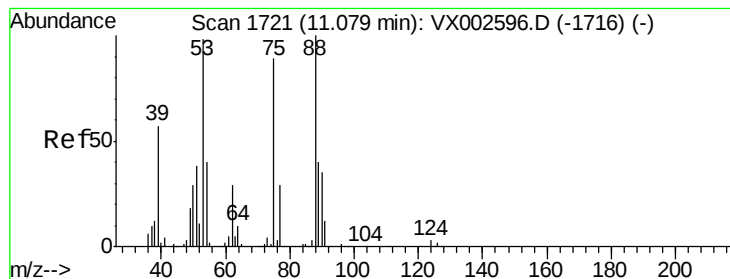
120 49.1 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 53.42 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX002835.D

Acq: 22 Jun 2018 16:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

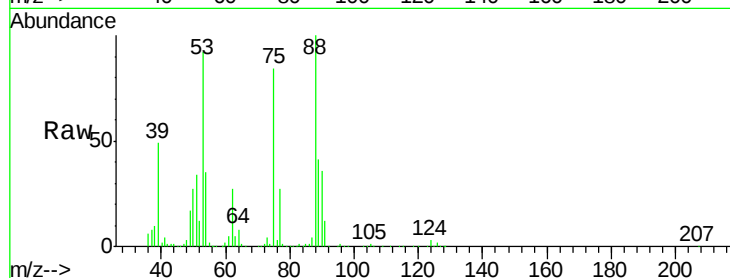
Tot Ion: 75 Resp: 69877

Ion Ratio Lower Upper

75 100

53 113.0 86.8 130.2

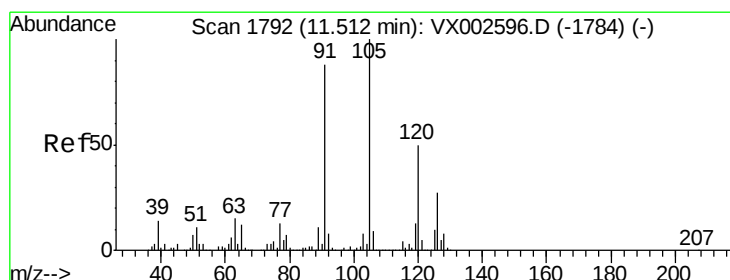
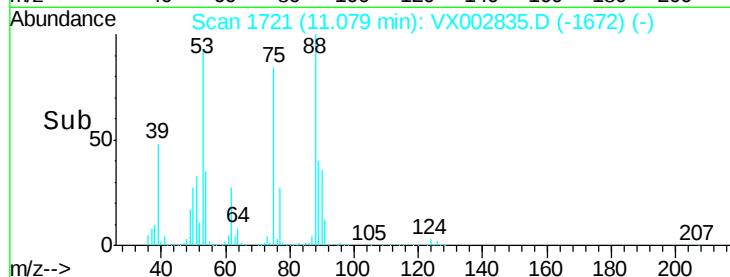
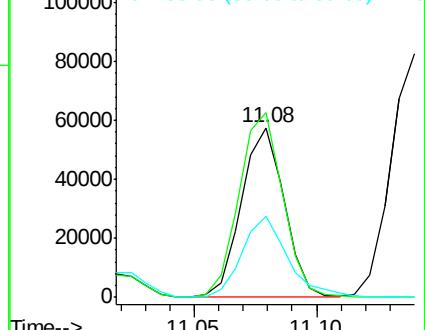
89 51.9 38.2 57.2



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: 56.55 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002835.D

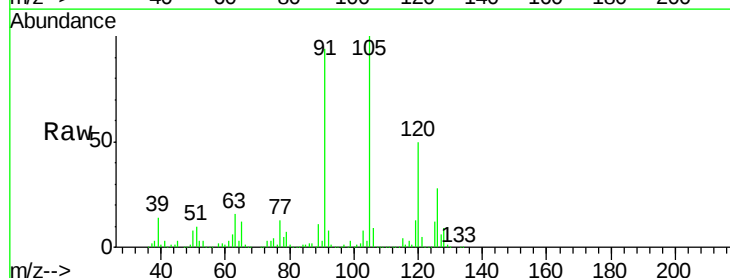
Acq: 22 Jun 2018 16:31

Tgt Ion: 91 Resp: 673884

Ion Ratio Lower Upper

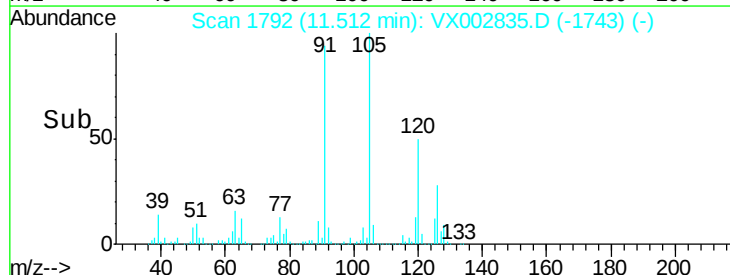
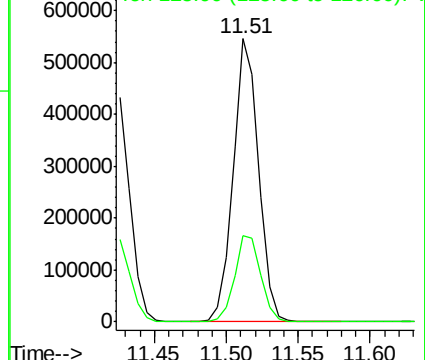
91 100

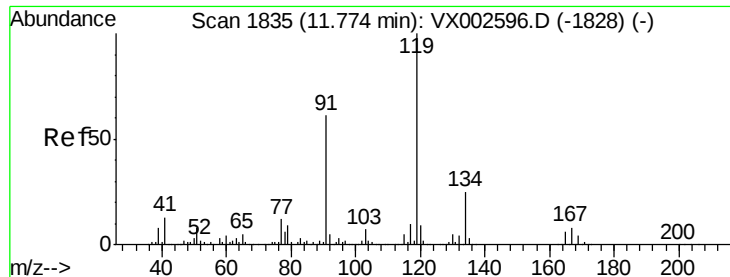
126 31.4 15.4 46.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

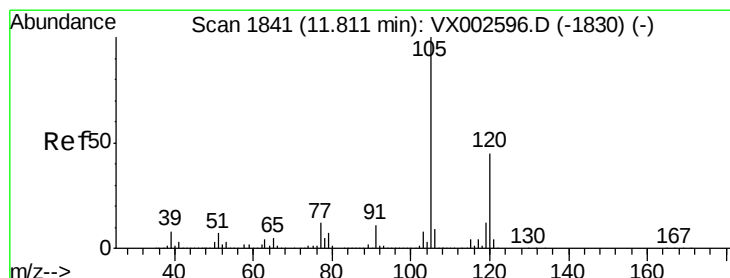
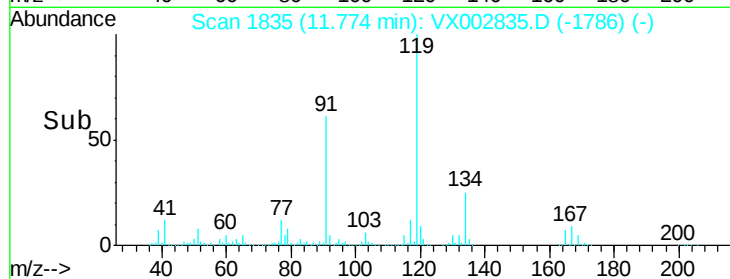
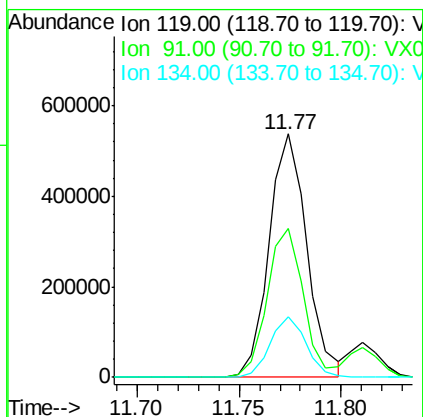
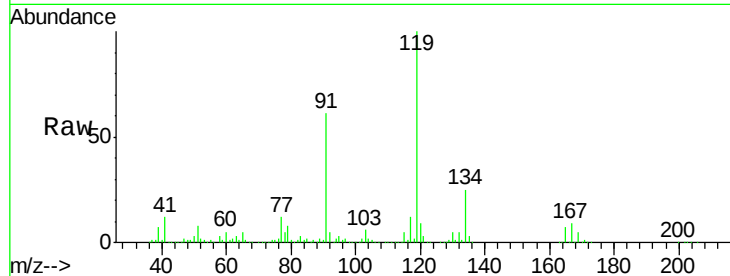




#83
 tert-Butylbenzene
 Concen: 57.64 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX002835.D
 Acq: 22 Jun 2018 16:31

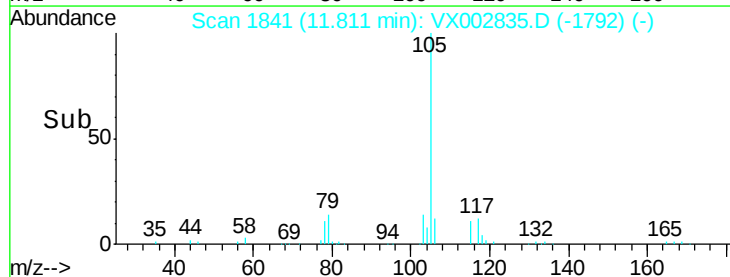
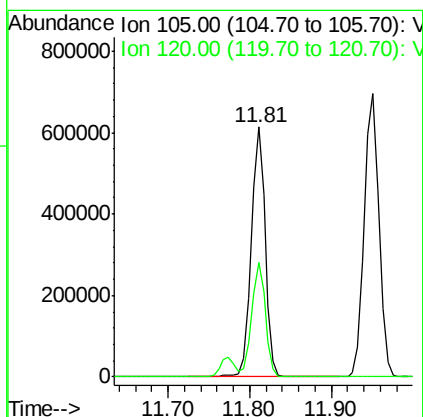
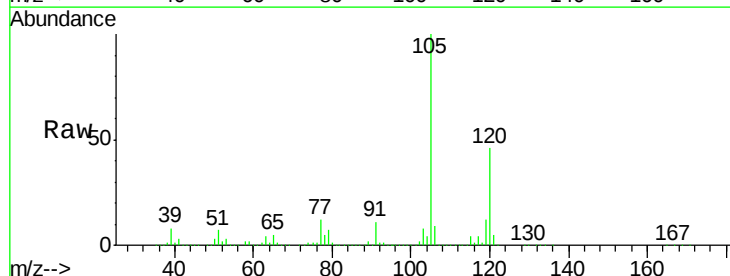
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

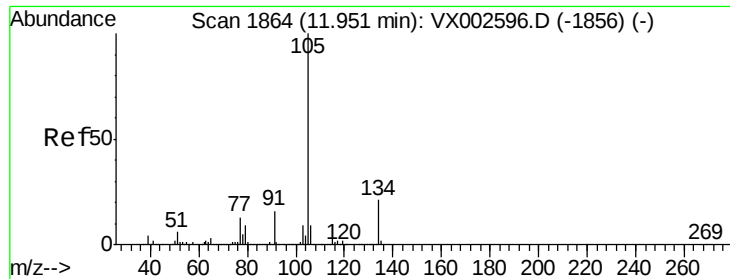
Tot Ion:119 Resp: 692191
 Ion Ratio Lower Upper
 119 100
 91 58.3 30.3 90.9
 134 23.8 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 57.85 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX002835.D
 Acq: 22 Jun 2018 16:31

Tgt Ion:105 Resp: 735758
 Ion Ratio Lower Upper
 105 100
 120 45.2 22.3 66.8





#85

sec-Butylbenzene

Concen: 57.04 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002835.D

Acq: 22 Jun 2018 16:31

Instrument :

MSVOA_X

ClientSampleId :

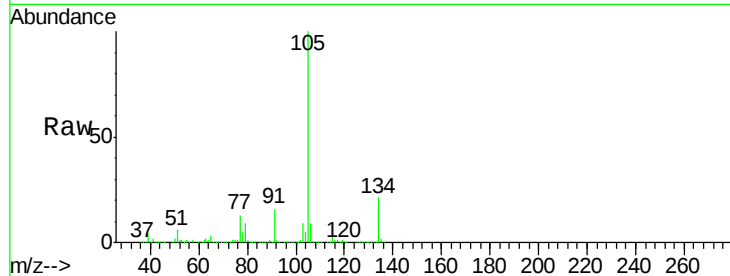
VSTDCCC050

Tot Ion:105 Resp: 851641

Ion Ratio Lower Upper

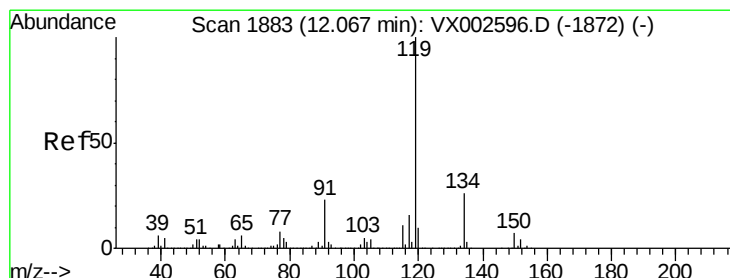
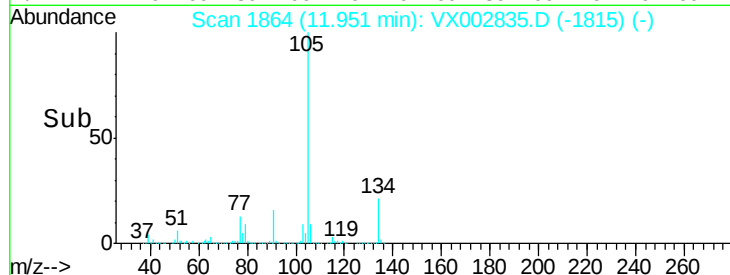
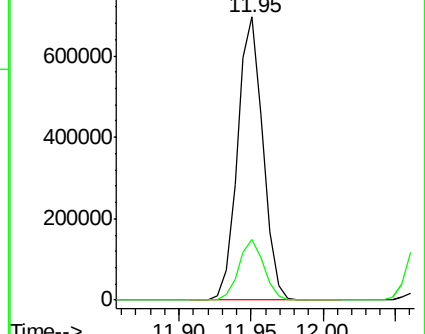
105 100

134 21.0 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 58.18 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX002835.D

Acq: 22 Jun 2018 16:31

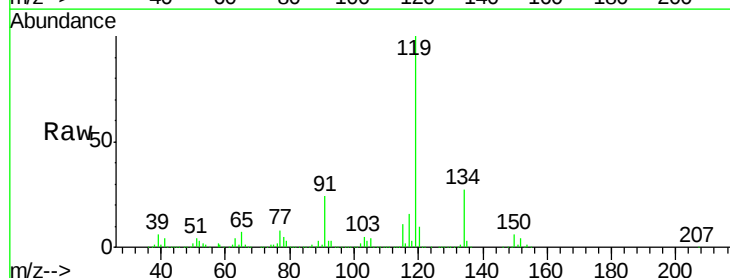
Tgt Ion:119 Resp: 785992

Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.1

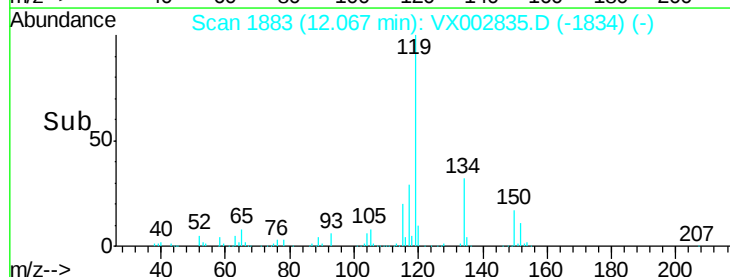
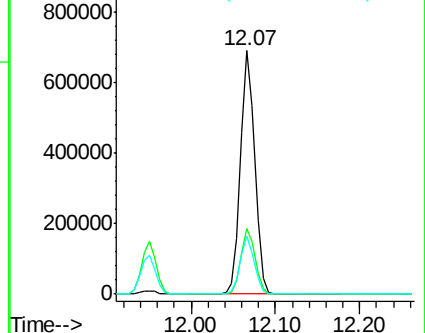
91 23.4 11.9 35.7

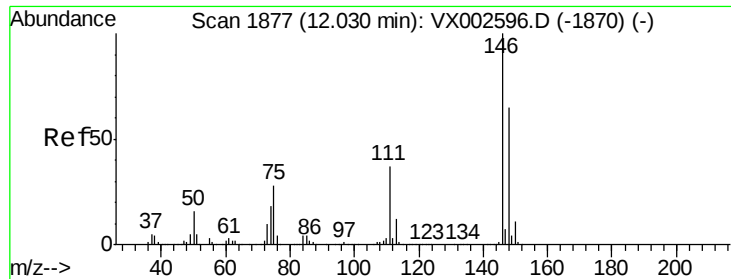


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 56.43 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX002835.D

Acq: 22 Jun 2018 16:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

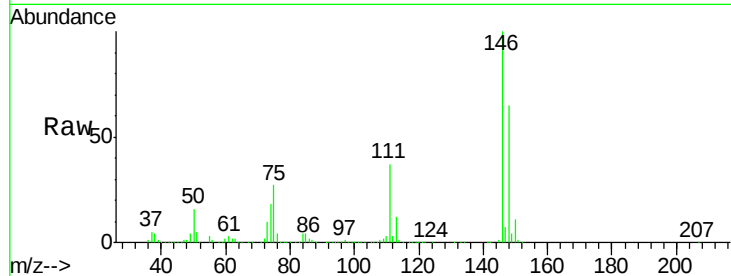
Tot Ion:146 Resp: 425252

Ion Ratio Lower Upper

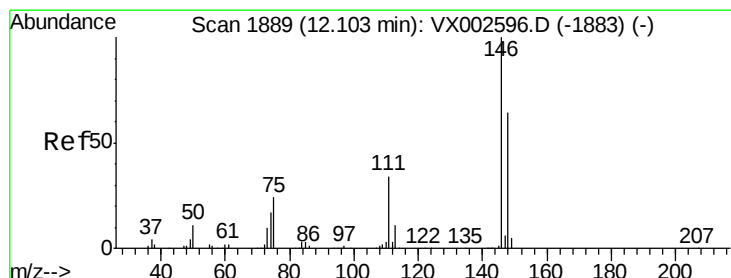
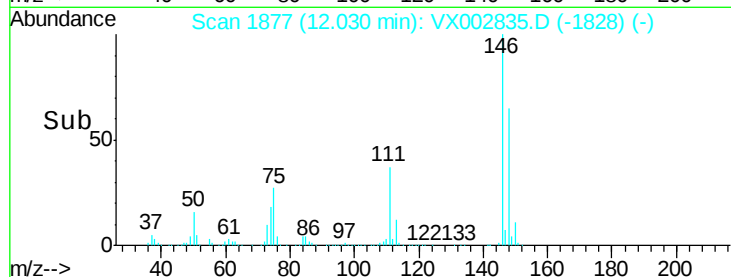
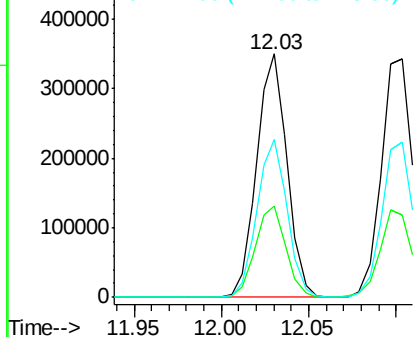
146 100

111 37.7 18.9 56.7

148 64.6 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 56.02 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VX002835.D

Acq: 22 Jun 2018 16:31

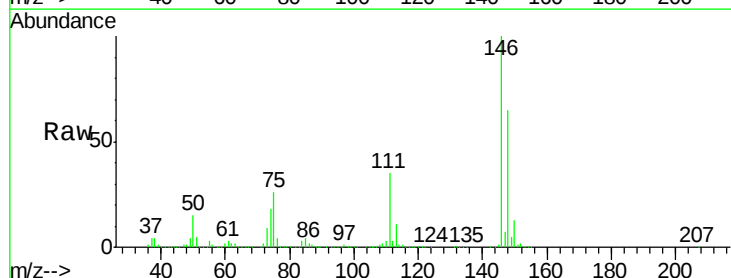
Tgt Ion:146 Resp: 429514

Ion Ratio Lower Upper

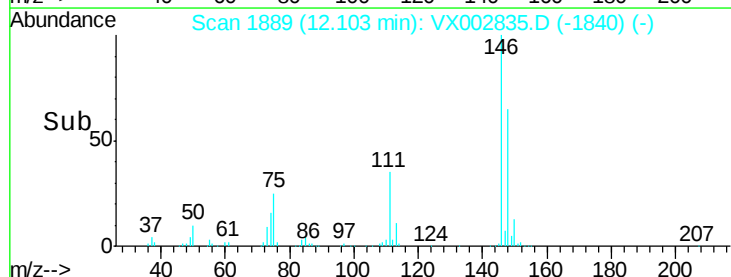
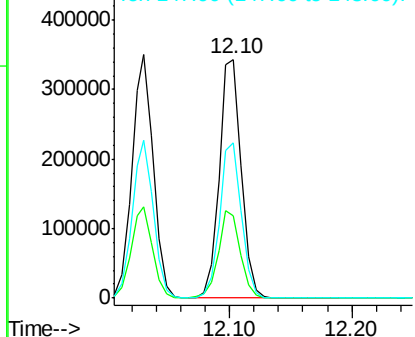
146 100

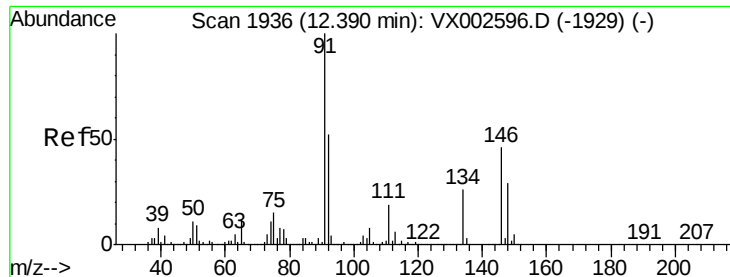
111 36.6 18.7 56.1

148 64.6 32.4 97.0



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

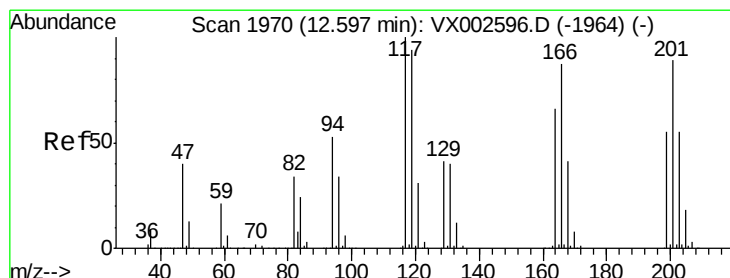
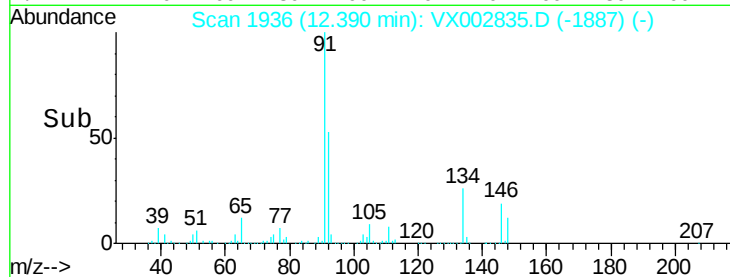
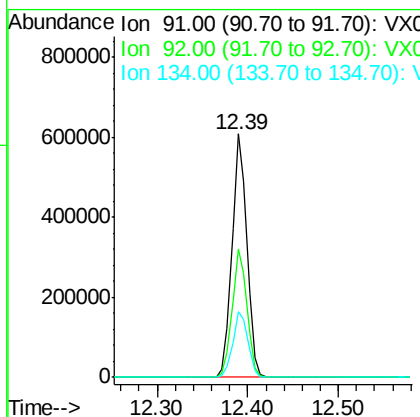
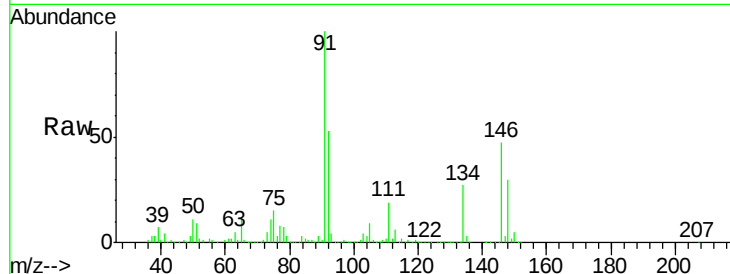




#89
n-Butylbenzene
Concen: 57.80 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX002835.D
Acq: 22 Jun 2018 16:31

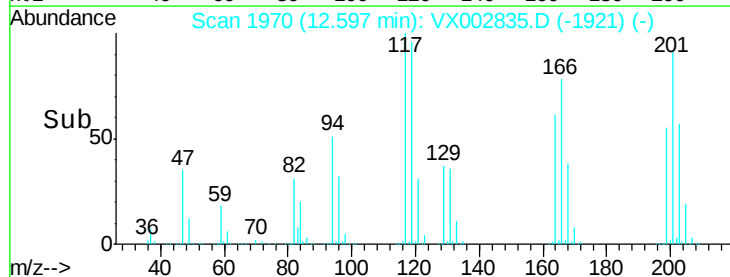
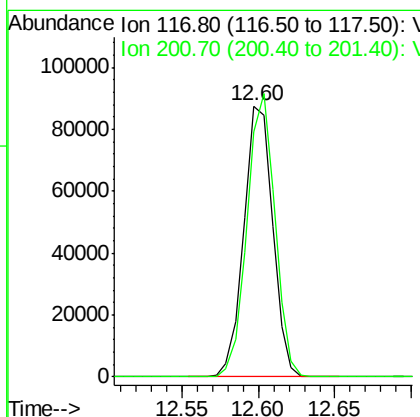
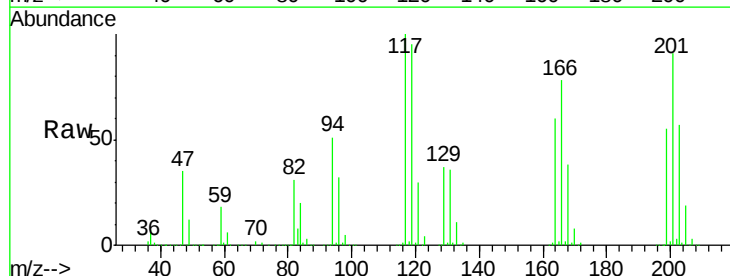
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 688833
Ion Ratio Lower Upper
91 100
92 52.3 26.0 78.0
134 27.4 13.5 40.5



#90
Hexachloroethane
Concen: 54.54 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX002835.D
Acq: 22 Jun 2018 16:31

Tgt Ion: 117 Resp: 115383
Ion Ratio Lower Upper
117 100
201 100.4 49.0 147.0

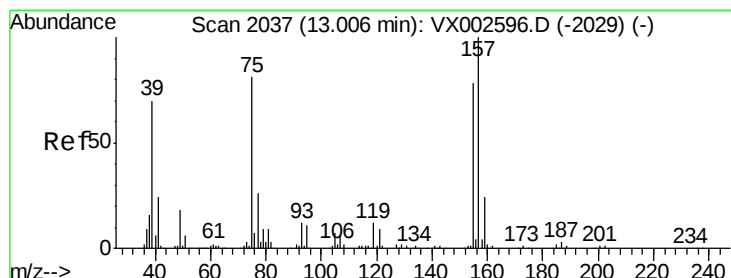
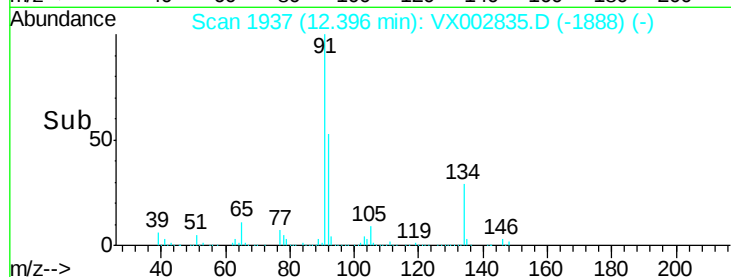
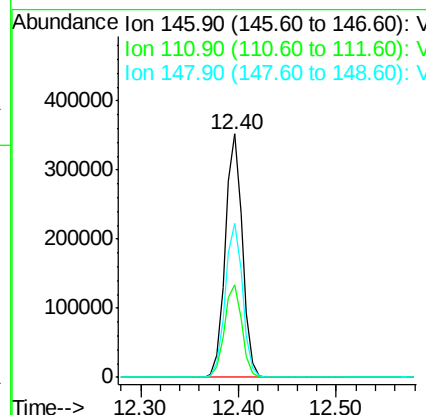
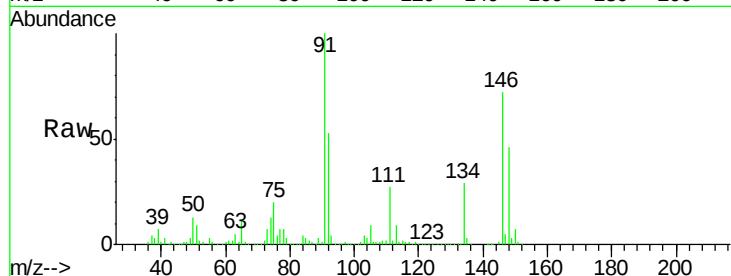




#91
 1,2-Dichlorobenzene
 Concen: 55.99 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX002835.D
 Acq: 22 Jun 2018 16:31

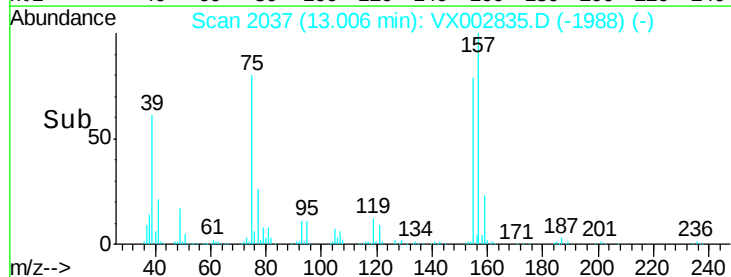
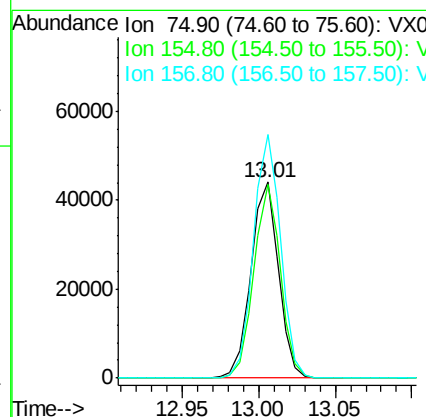
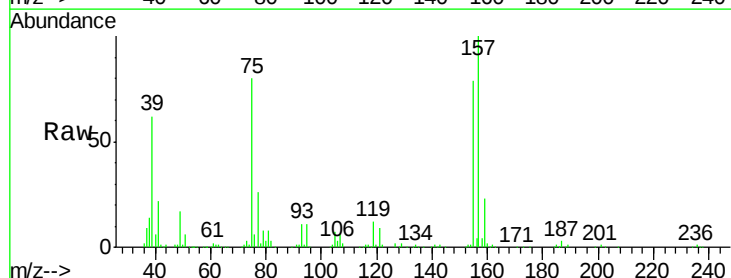
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

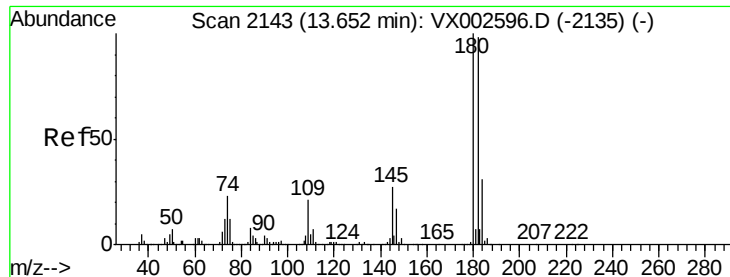
Tot Ion:146 Resp: 424687
 Ion Ratio Lower Upper
 146 100
 111 38.6 19.4 58.1
 148 64.0 31.7 95.1



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 60.38 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX002835.D
 Acq: 22 Jun 2018 16:31

Tgt Ion: 75 Resp: 55091
 Ion Ratio Lower Upper
 75 100
 155 95.2 45.8 137.4
 157 121.8 60.1 180.3

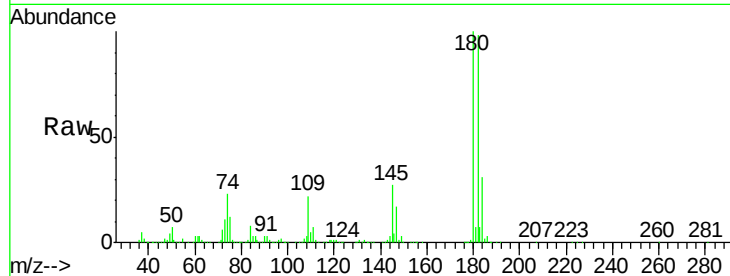




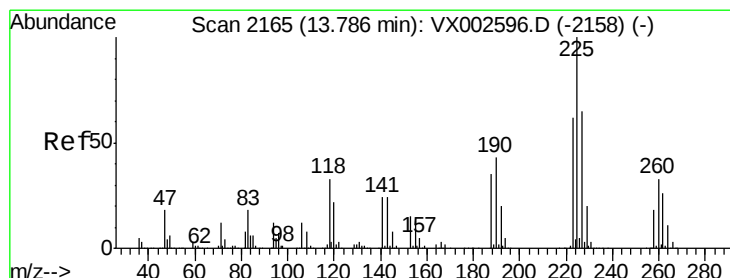
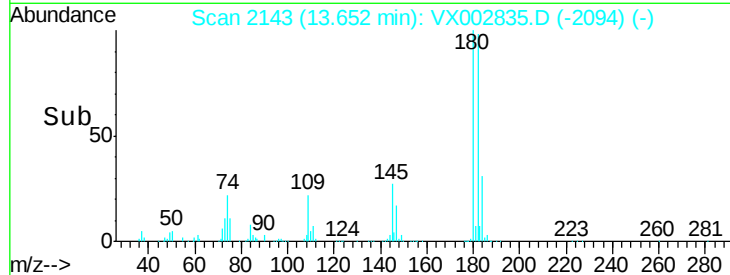
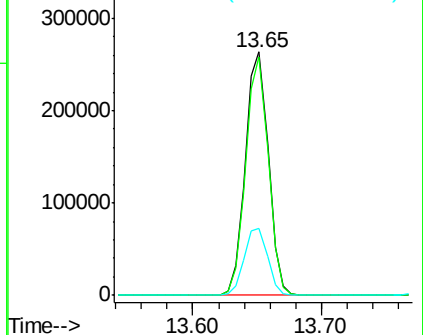
#93
 1,2,4-Trichlorobenzene
 Concen: 58.54 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX002835.D
 Acq: 22 Jun 2018 16:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 322229
 Ion Ratio Lower Upper
 180 100
 182 96.4 47.7 143.1
 145 28.2 14.1 42.4

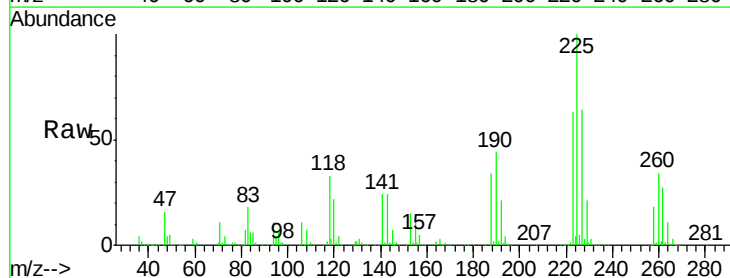


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

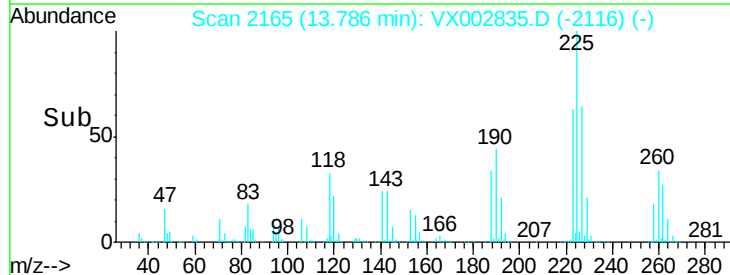
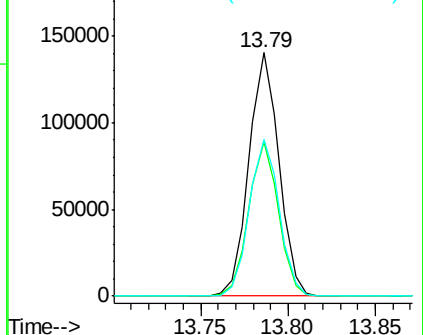


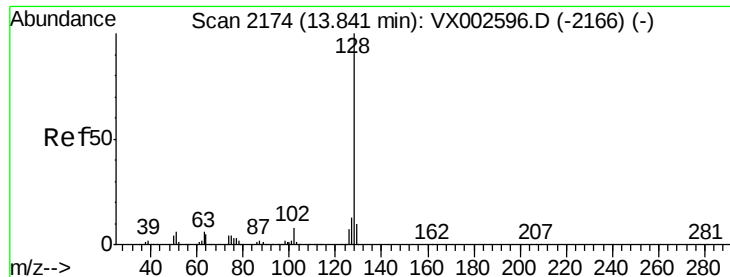
#94
 Hexachlorobutadiene
 Concen: 57.79 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX002835.D
 Acq: 22 Jun 2018 16:31

Tgt Ion:225 Resp: 167564
 Ion Ratio Lower Upper
 225 100
 223 62.6 31.6 95.0
 227 64.4 32.4 97.2



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





#95

Naphthalene

Concen: 58.47 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX002835.D

Acq: 22 Jun 2018 16:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

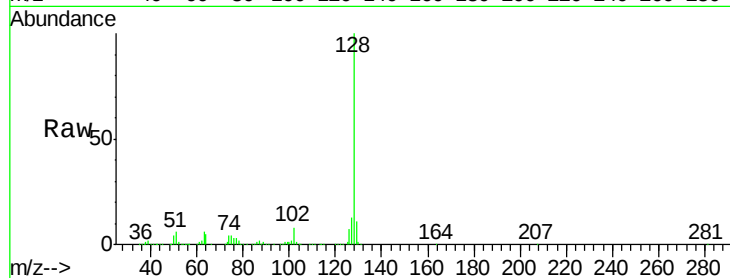
Tot Ion:128 Resp: 866128

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

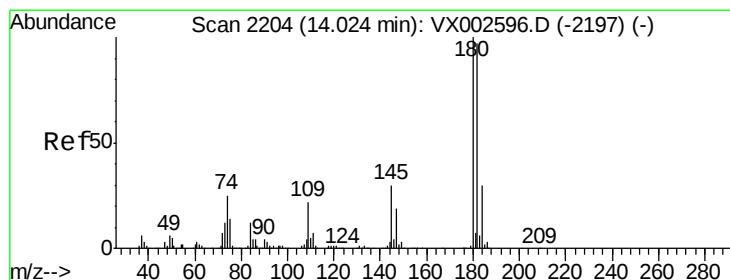
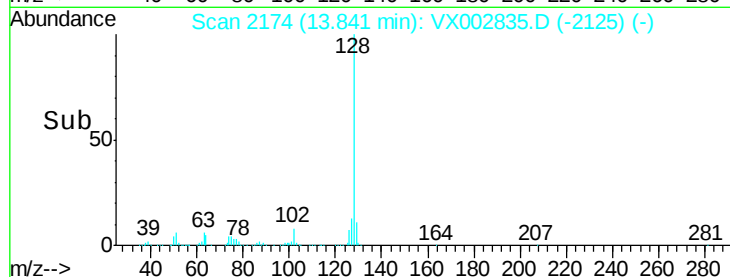
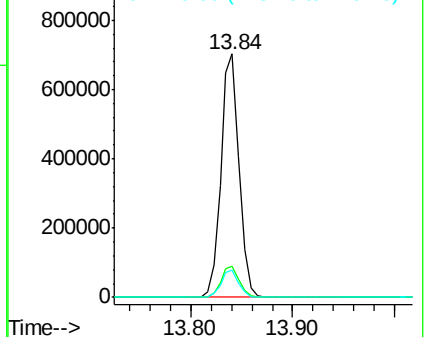
129 10.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 57.80 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX002835.D

Acq: 22 Jun 2018 16:31

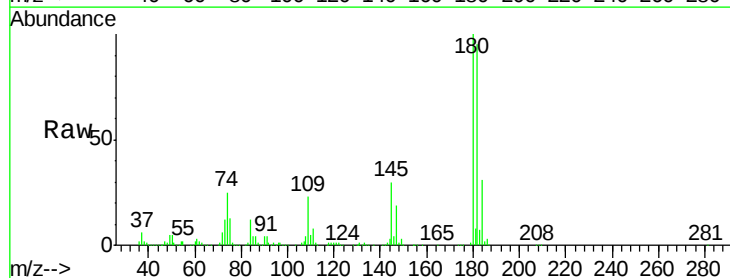
Tgt Ion:180 Resp: 319527

Ion Ratio Lower Upper

180 100

182 95.6 48.0 144.0

145 29.6 14.8 44.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

