

Data File : VX003742.D
Acq On : 31 Jul 2018 00:23
Operator : JC/SP
Sample : VSTDCCC050EC
Misc : 5.00G/5.0mL/MSVOA_X/SOIL
ALS Vial : 22 Sample Multiplier: 1Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050ECQuant Time: Jul 31 05:57:55 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X073018S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 31 05:41:50 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	112811	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	171158	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	167198	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	92767	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	64784	56.78	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	113.56%	
35) Dibromofluoromethane	5.51	113	56243	55.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.62%	
50) Toluene-d8	8.72	98	233942	55.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.34%	
62) 4-Bromofluorobenzene	11.14	95	80025	51.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.30%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.19	85	45327	47.604 ug/l	91
3) Chloromethane	1.32	50	63101	52.719 ug/l	95
4) Vinyl Chloride	1.40	62	64467	50.072 ug/l #	89
5) Bromomethane	1.64	94	40572	58.109 ug/l	94
6) Chloroethane	1.72	64	40382	49.977 ug/l	92
7) Trichlorofluoromethane	1.92	101	79006	46.798 ug/l	99
8) Diethyl Ether	2.18	74	36038	56.482 ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.38	101	52264	48.801 ug/l	97
10) Methyl Iodide	2.51	142	64785	52.616 ug/l	99
11) Tert butyl alcohol	3.07	59	42558	230.359 ug/l	100
12) 1,1-Dichloroethene	2.37	96	51562	51.136 ug/l	81
13) Acrolein	2.29	56	8466	140.064 ug/l	97
14) Allyl chloride	2.72	41	95274	53.302 ug/l	99
15) Acrylonitrile	3.15	53	125817	267.789 ug/l	99
16) Acetone	2.45	43	104250	239.211 ug/l	97
17) Carbon Disulfide	2.56	76	165103	50.325 ug/l	95
18) Methyl Acetate	2.78	43	66368	54.192 ug/l	100
19) Methyl tert-butyl Ether	3.20	73	171436	62.462 ug/l	97
20) Methylene Chloride	2.85	84	66714	58.681 ug/l	92
21) trans-1,2-Dichloroethene	3.16	96	58653	53.087 ug/l	91
22) Diisopropyl ether	3.87	45	201418	62.422 ug/l	95
23) Vinyl Acetate	3.82	43	681548	292.861 ug/l	100
24) 1,1-Dichloroethane	3.70	63	109039	57.945 ug/l	97
25) 2-Butanone	4.70	43	165555	260.590 ug/l	99
26) 2,2-Dichloropropane	4.58	77	72581	48.974 ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	65670	55.154 ug/l	97
28) Bromochloromethane	5.02	49	50045	59.289 ug/l	94
29) Tetrahydrofuran	5.15	42	106878	263.982 ug/l	99
30) Chloroform	5.22	83	106098	57.219 ug/l	87
31) Cyclohexane	5.57	56	88418	48.643 ug/l #	91
32) 1,1,1-Trichloroethane	5.49	97	83305	52.273 ug/l	98
36) 1,1-Dichloropropene	5.79	75	76751	47.883 ug/l	99
37) Ethyl Acetate	4.85	43	65459	53.164 ug/l	99
38) Carbon Tetrachloride	5.78	117	71160	47.996 ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	87305	44.364	ug/l	97
40) Benzene	6.13	78	238645	51.954	ug/l	98
41) Methacrylonitrile	5.06	41	37497	54.028	ug/l	98
42) 1,2-Dichloroethane	6.20	62	76029	54.802	ug/l	98
43) Isopropyl Acetate	6.46	43	103123	52.566	ug/l	99
44) Trichloroethene	7.21	130	59786	45.627	ug/l	100
45) 1,2-Dichloropropane	7.52	63	60812	53.836	ug/l	97
46) Dibromomethane	7.67	93	35608	54.702	ug/l	93
47) Bromodichloromethane	7.90	83	71830	55.373	ug/l	100
48) Methyl methacrylate	7.77	41	53863	54.736	ug/l	97
49) 1,4-Dioxane	7.76	88	17851	898.790	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	324905	269.487	ug/l	100
52) Toluene	8.79	92	162396	56.677	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	90781	61.274	ug/l	97
54) cis-1,3-Dichloropropene	8.44	75	88854	53.804	ug/l	96
55) 1,1,2-Trichloroethane	9.22	97	59110	59.942	ug/l	96
56) Ethyl methacrylate	9.18	69	82824	61.145	ug/l	96
57) 1,3-Dichloropropane	9.37	76	98375	59.428	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.32	63	198742	273.326	ug/l	98
59) 2-Hexanone	9.50	43	230692	251.166	ug/l	97
60) Dibromochloromethane	9.59	129	54546	54.924	ug/l	99
61) 1,2-Dibromoethane	9.68	107	54046	53.679	ug/l	100
64) Tetrachloroethene	9.34	164	70610	53.728	ug/l	92
65) Chlorobenzene	10.14	112	164447	47.067	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	56688	49.754	ug/l	100
67) Ethyl Benzene	10.26	91	273622	46.380	ug/l	100
68) m/p-Xylenes	10.36	106	213719	92.607	ug/l	98
69) o-Xylene	10.70	106	102939	48.037	ug/l	98
70) Styrene	10.71	104	178087	49.398	ug/l	99
71) Bromoform	10.86	173	37820	48.276	ug/l #	100
73) Isopropylbenzene	11.02	105	272244	46.878	ug/l	99
74) N-amyl acetate	6.46	43	103123	50.097	ug/l #	56
75) 1,1,2,2-Tetrachloroethane	11.27	83	73316	48.559	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	80983	63.334	ug/l	82
77) Bromobenzene	11.26	156	74662	49.312	ug/l	98
78) n-propylbenzene	11.36	91	327221	46.509	ug/l	99
79) 2-Chlorotoluene	11.42	91	192812	48.270	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	238123	48.038	ug/l #	69
81) trans-1,4-Dichloro-2-buten	11.08	75	19688	45.607	ug/l	93
82) 4-Chlorotoluene	11.51	91	233759	48.247	ug/l	99
83) tert-Butylbenzene	11.77	119	222229	45.326	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	247933	48.592	ug/l	99
85) sec-Butylbenzene	11.95	105	287559	45.844	ug/l	99
86) p-Isopropyltoluene	12.07	119	262596	46.061	ug/l #	70
87) 1,3-Dichlorobenzene	12.03	146	143490	46.850	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	145218	46.473	ug/l	99
89) n-Butylbenzene	12.39	91	251804	46.407	ug/l	99
90) Hexachloroethane	12.60	117	40871	48.280	ug/l	94
91) 1,2-Dichlorobenzene	12.40	146	137575	48.234	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	14153	47.243	ug/l	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX073018\
Quantitation Report (Not Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	107162	47.362	ug/l	100
94) Hexachlorobutadiene	13.79	225	62923	43.487	ug/l	99
95) Naphthalene	13.83	128	245834	50.844	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	99156	48.277	ug/l	100

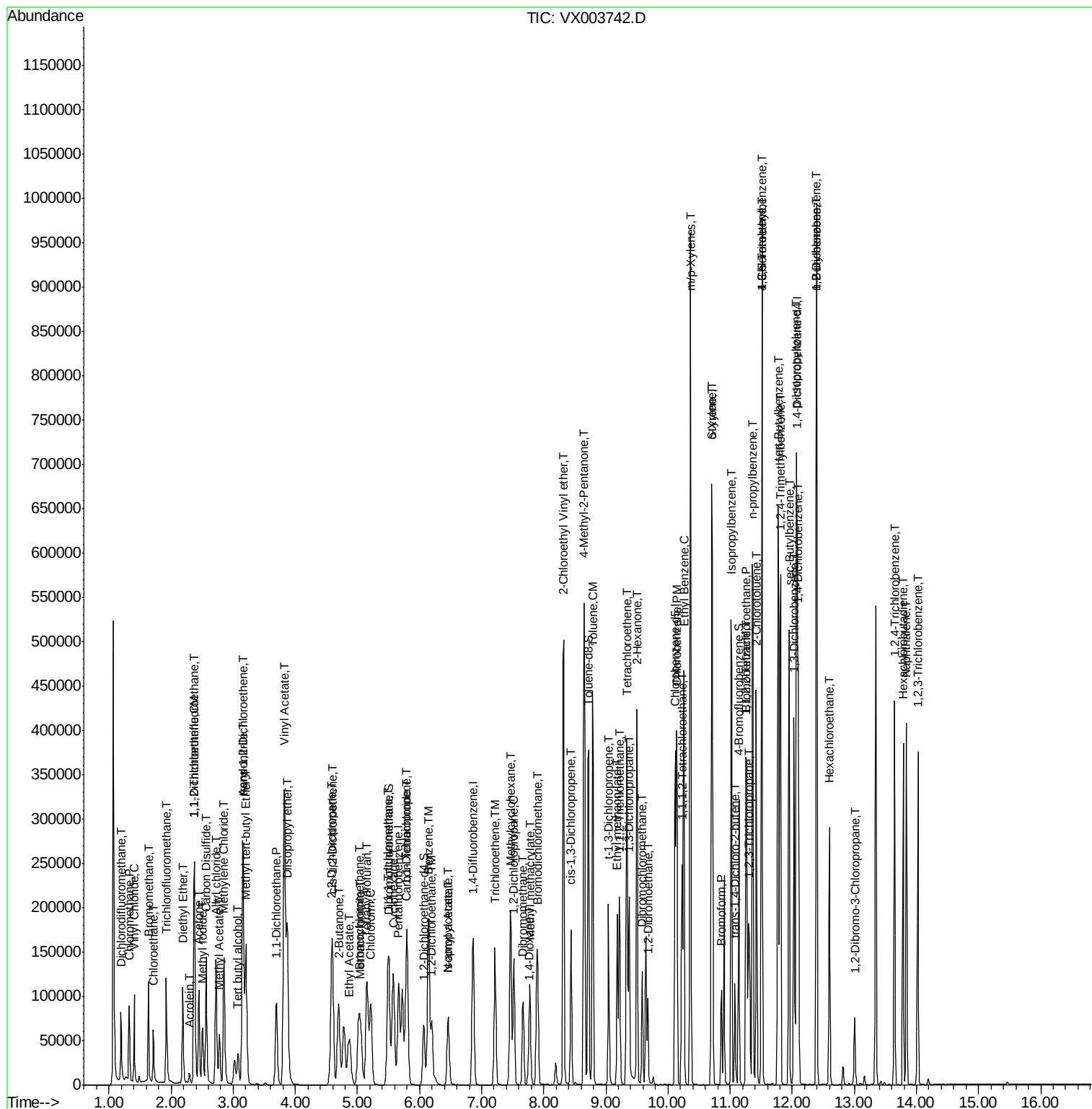
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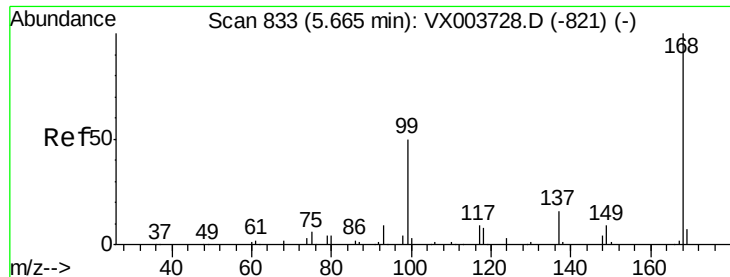
Data File : VX003742.D

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ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.01 min

Lab File: VX003742.D

Acq: 31 Jul 2018 00:23

Instrument :

MSVOA_X

ClientSampleId :

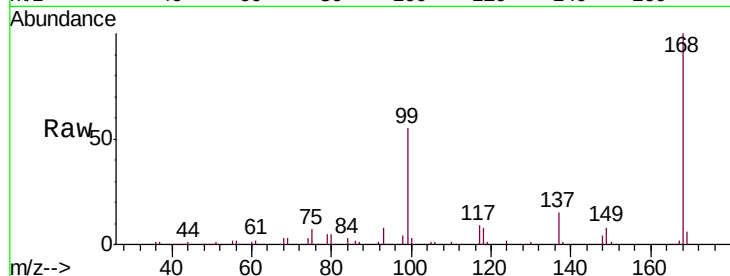
VSTDCCC050EC

Tgt Ion:168 Resp: 112811

Ion Ratio Lower Upper

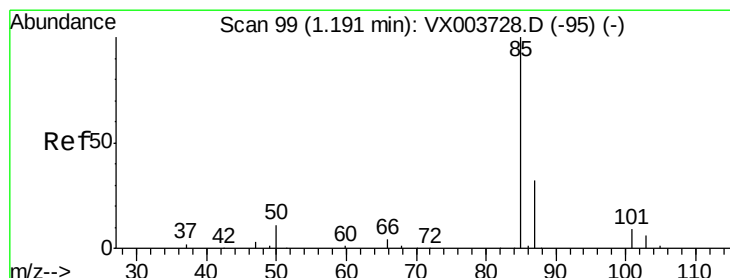
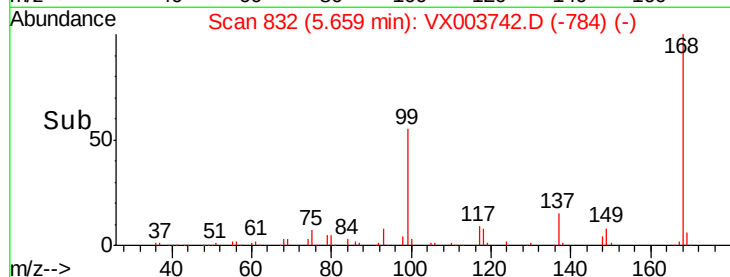
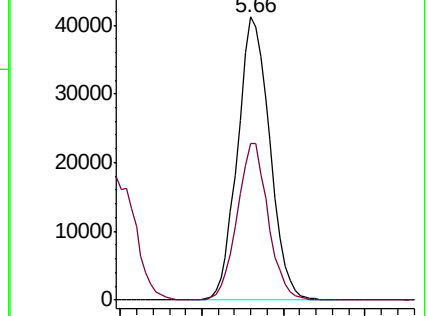
168 100

99 55.4 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 47.604 ug/l

RT: 1.19 min Scan# 99

Delta R.T. 0.00 min

Lab File: VX003742.D

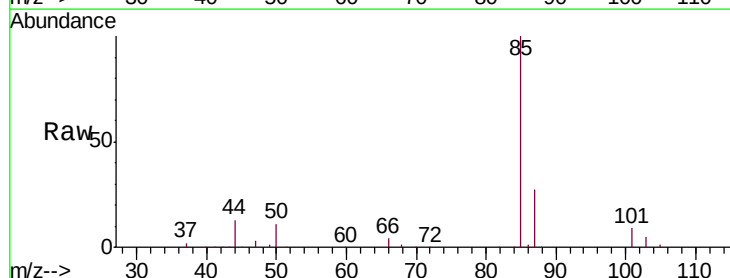
Acq: 31 Jul 2018 00:23

Tgt Ion: 85 Resp: 45327

Ion Ratio Lower Upper

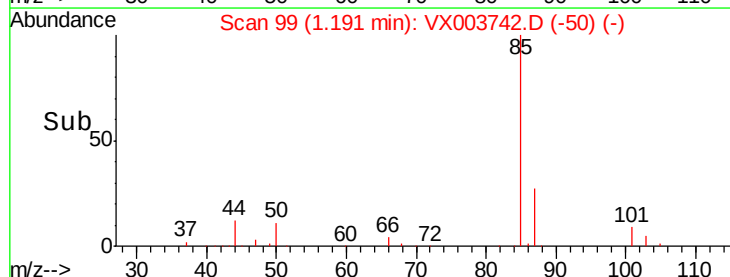
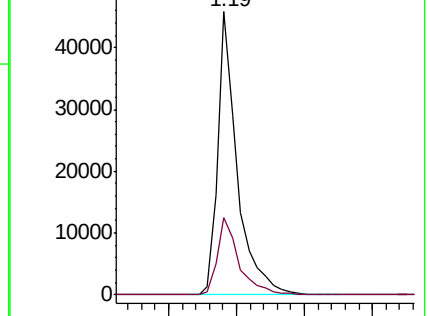
85 100

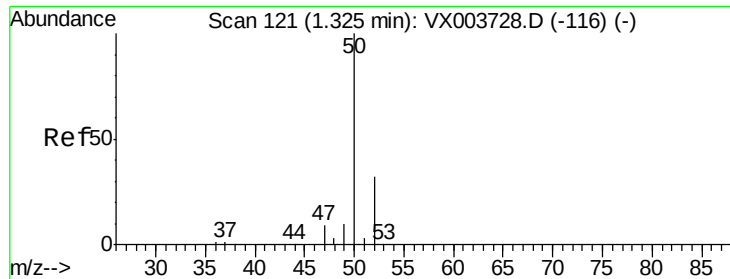
87 27.3 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

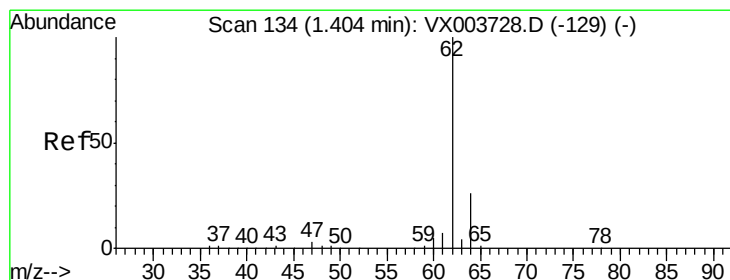
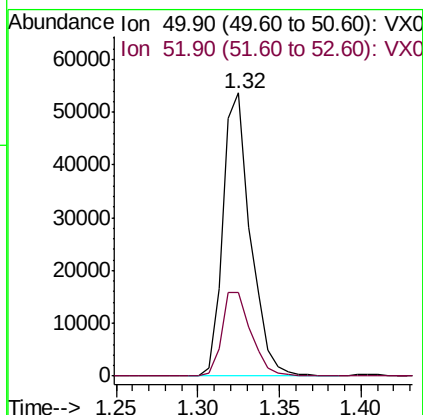
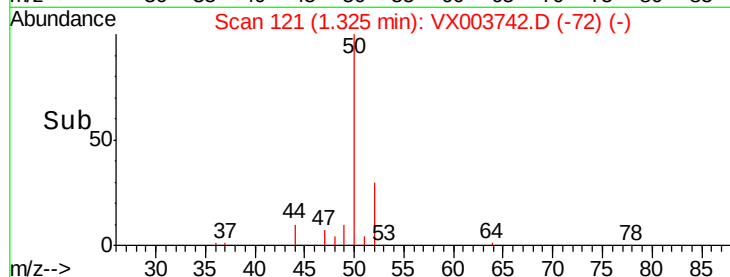
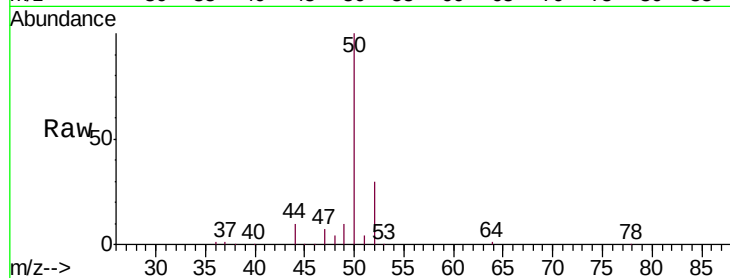




#3
Chloromethane
Concen: 52.719 ug/l
RT: 1.32 min Scan# 121
Delta R.T. 0.00 min
Lab File: VX003742.D
Acq: 31 Jul 2018 00:23

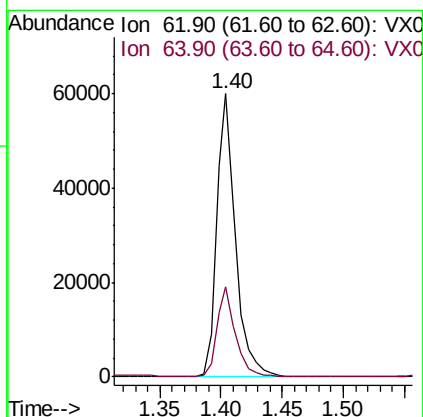
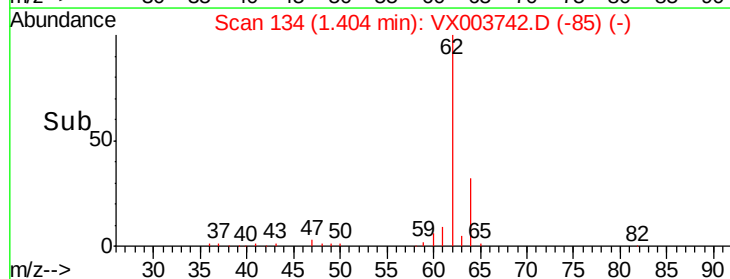
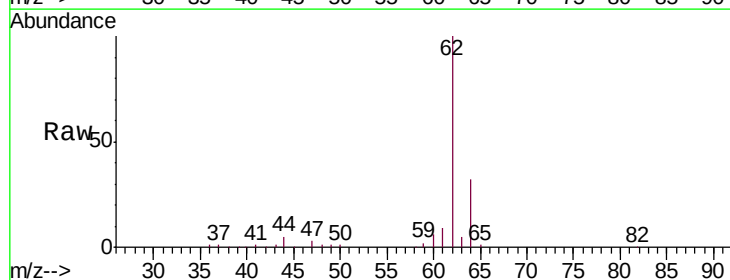
Instrument :
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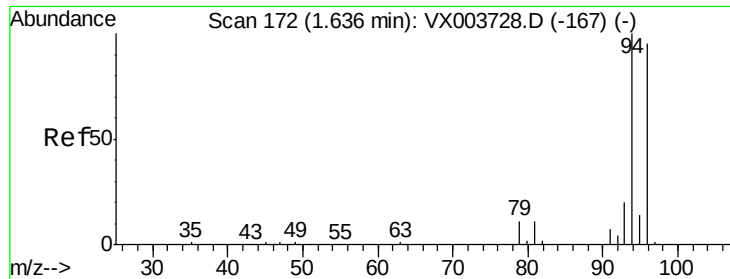
Tgt Ion: 50 Resp: 63101
Ion Ratio Lower Upper
50 100
52 29.6 25.9 38.9



#4
Vinyl Chloride
Concen: 50.072 ug/l
RT: 1.40 min Scan# 134
Delta R.T. 0.00 min
Lab File: VX003742.D
Acq: 31 Jul 2018 00:23

Tgt Ion: 62 Resp: 64467
Ion Ratio Lower Upper
62 100
64 31.6 21.0 31.4#

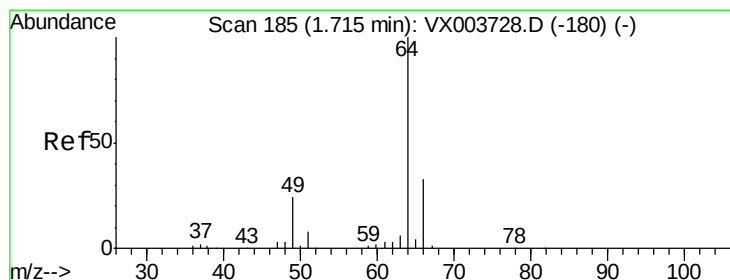
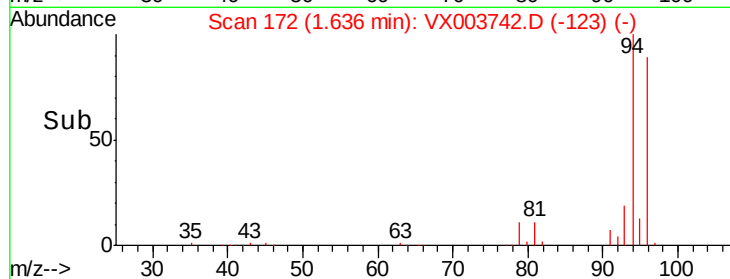
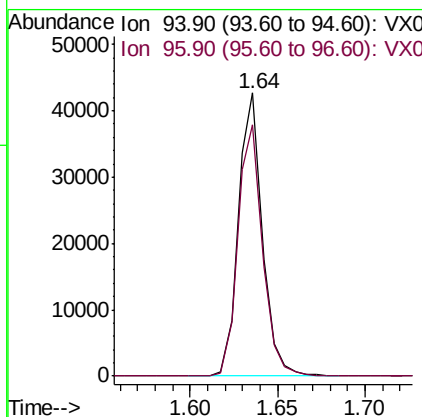
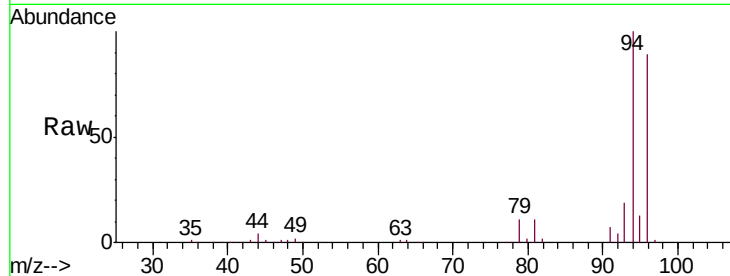




#5
Bromomethane
Concen: 58.109 ug/l
RT: 1.64 min Scan# 172
Delta R.T. 0.00 min
Lab File: VX003742.D
Acq: 31 Jul 2018 00:23

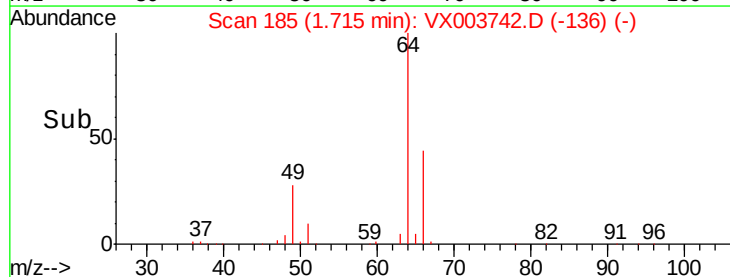
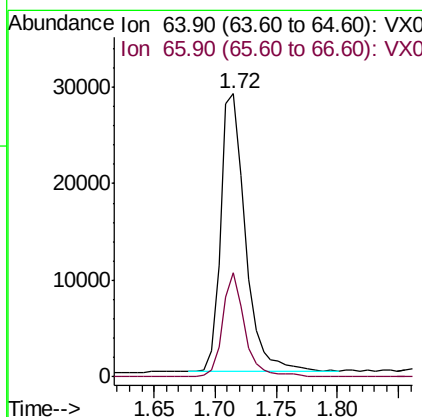
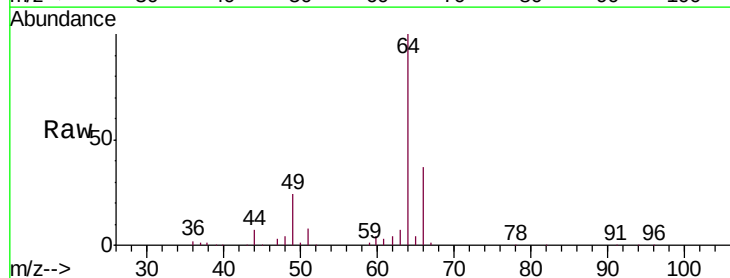
Instrument :
MSVOA_X
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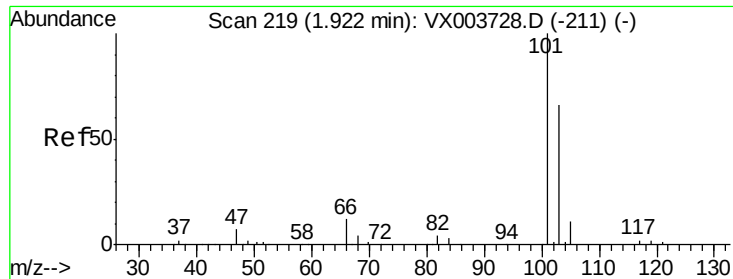
Tgt Ion: 94 Resp: 40572
Ion Ratio Lower Upper
94 100
96 89.0 76.0 114.0



#6
Chloroethane
Concen: 49.977 ug/l
RT: 1.72 min Scan# 185
Delta R.T. 0.00 min
Lab File: VX003742.D
Acq: 31 Jul 2018 00:23

Tgt Ion: 64 Resp: 40382
Ion Ratio Lower Upper
64 100
66 37.6 26.4 39.6



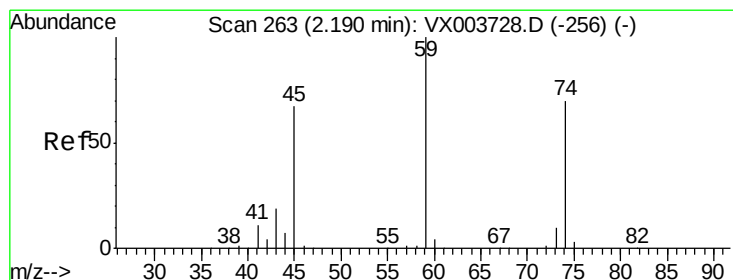
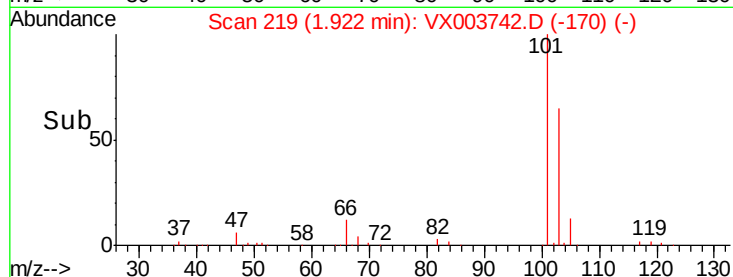
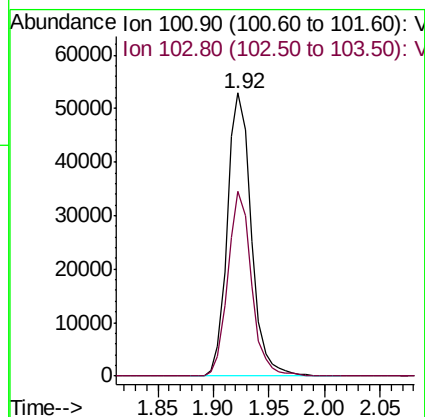
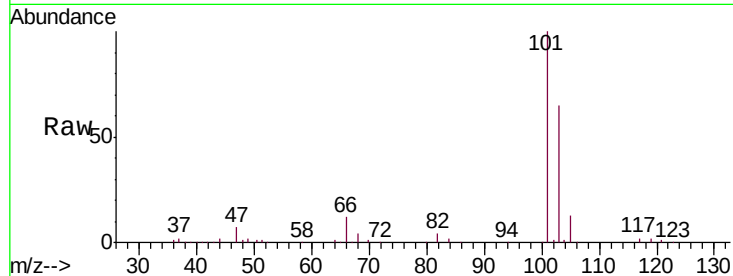


#7

Trichlorofluoromethane
Concen: 46.798 ug/l
RT: 1.92 min Scan# 219
Delta R.T. 0.00 min
Lab File: VX003742.D
Acq: 31 Jul 2018 00:23

Instrument :
MSVOA_X
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VSTDCCC050EC

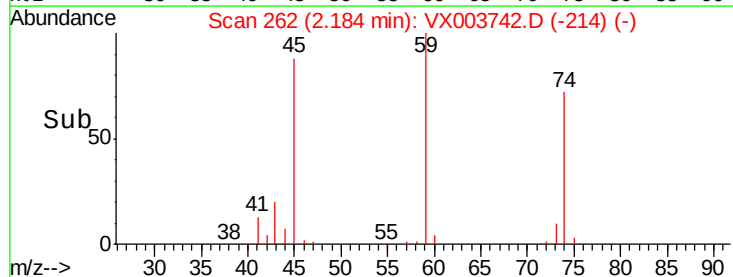
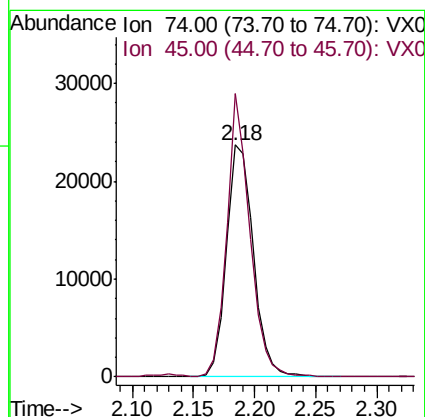
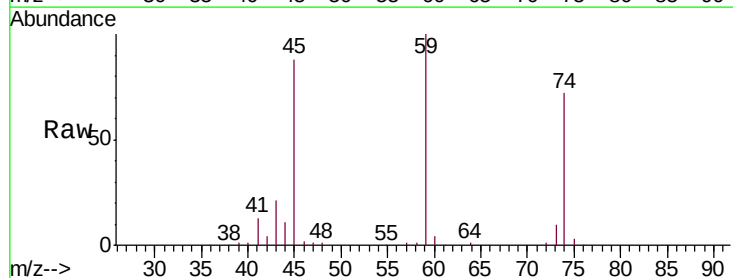
Tgt Ion: 101 Resp: 79006
Ion Ratio Lower Upper
101 100
103 65.1 52.6 78.8

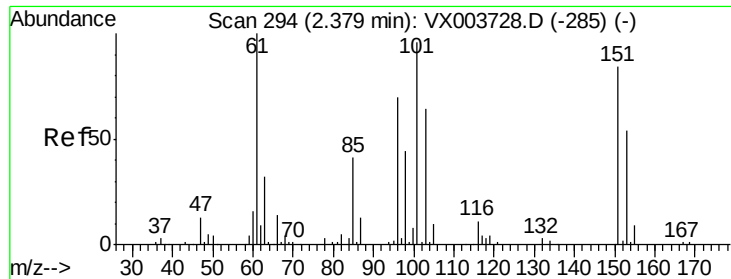


#8

Diethyl Ether
Concen: 56.482 ug/l
RT: 2.18 min Scan# 262
Delta R.T. -0.01 min
Lab File: VX003742.D
Acq: 31 Jul 2018 00:23

Tgt Ion: 74 Resp: 36038
Ion Ratio Lower Upper
74 100
45 104.7 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.801 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX003742.D

Acq: 31 Jul 2018 00:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

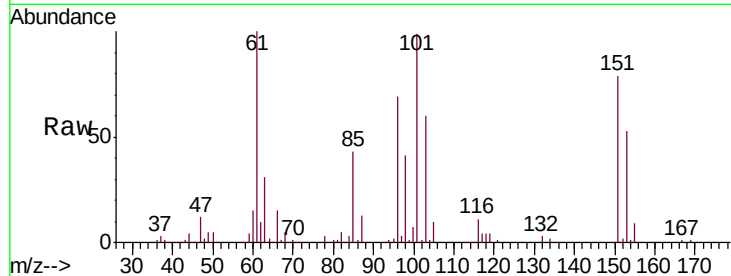
Tgt Ion:101 Resp: 52264

Ion Ratio Lower Upper

101 100

85 43.1 33.3 49.9

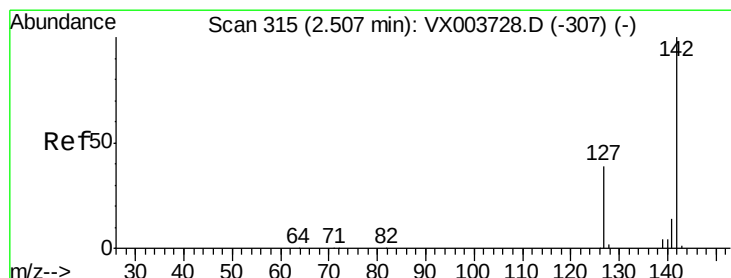
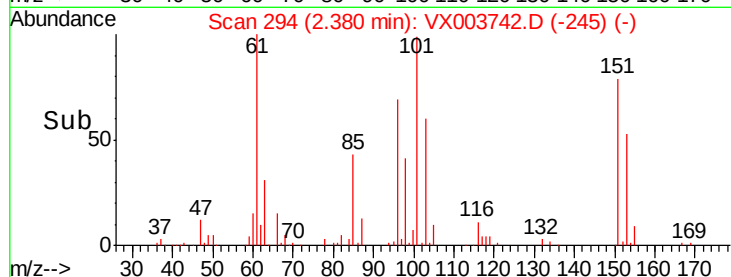
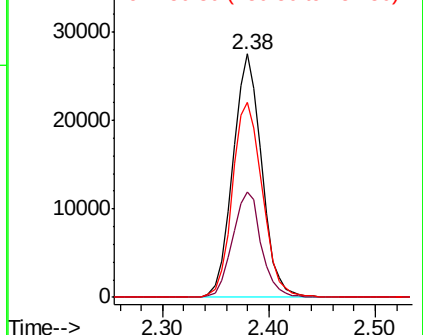
151 83.6 68.8 103.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 52.616 ug/l

RT: 2.51 min Scan# 315

Delta R.T. 0.00 min

Lab File: VX003742.D

Acq: 31 Jul 2018 00:23

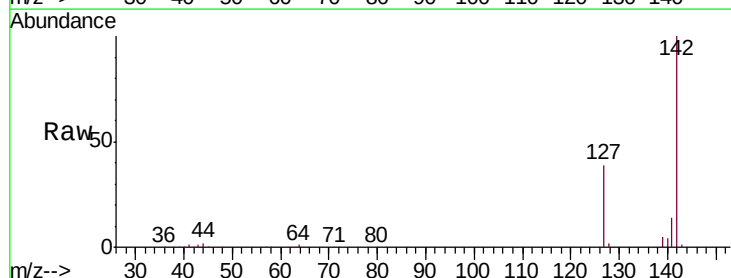
Tgt Ion:142 Resp: 64785

Ion Ratio Lower Upper

142 100

127 39.6 32.0 48.0

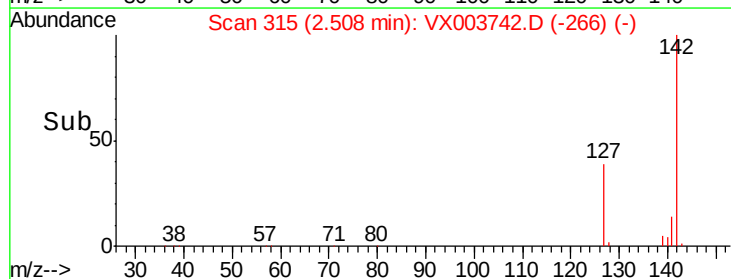
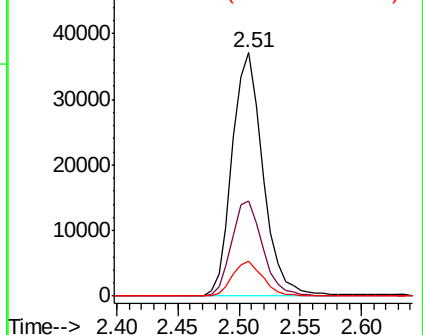
141 14.3 11.3 16.9

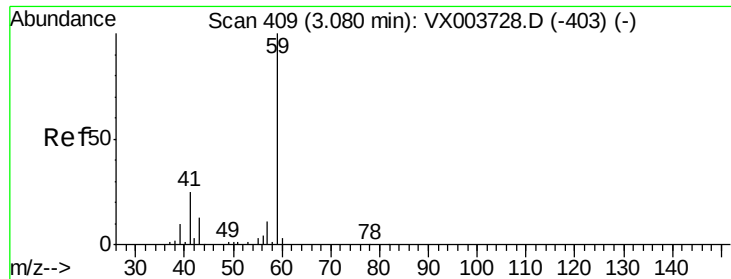


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

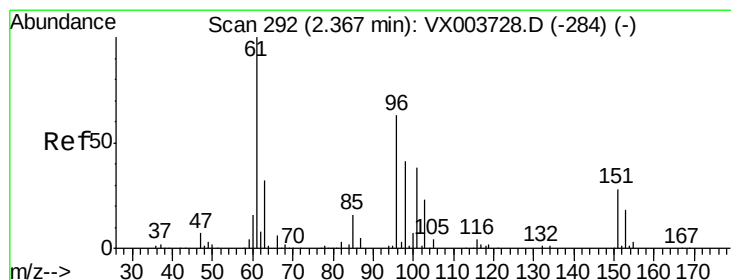
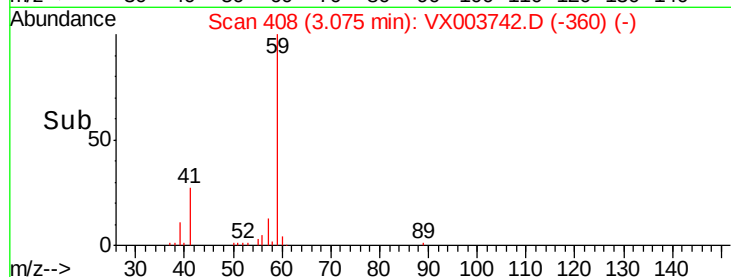
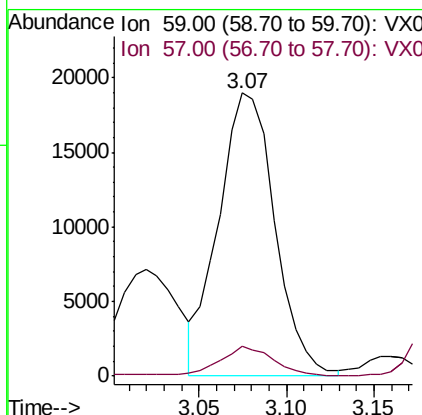
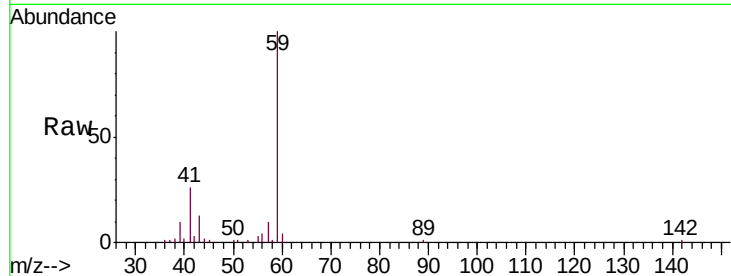




#11
Tert butyl alcohol
Concen: 230.359 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX003742.D
Acq: 31 Jul 2018 00:23

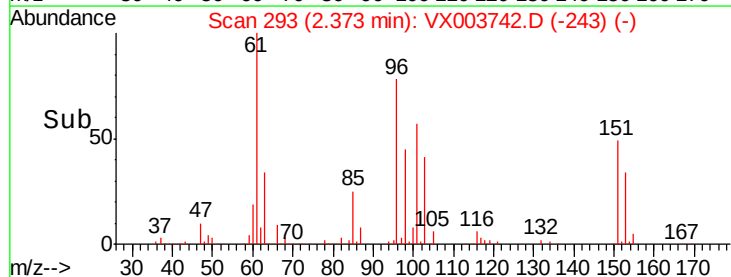
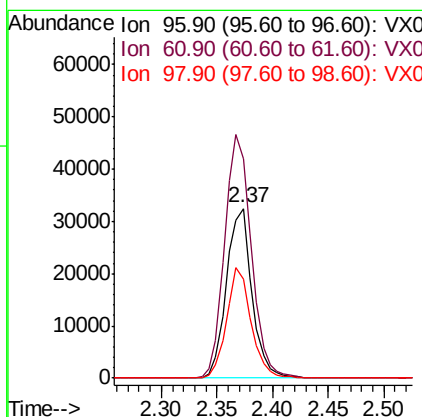
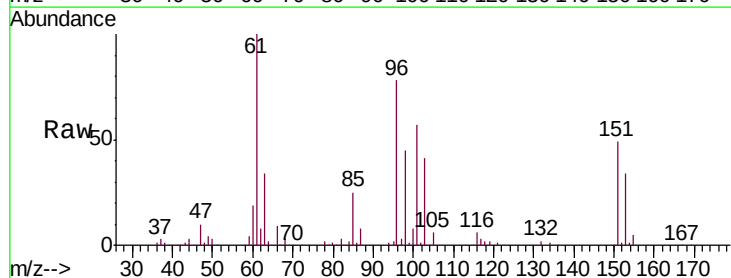
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

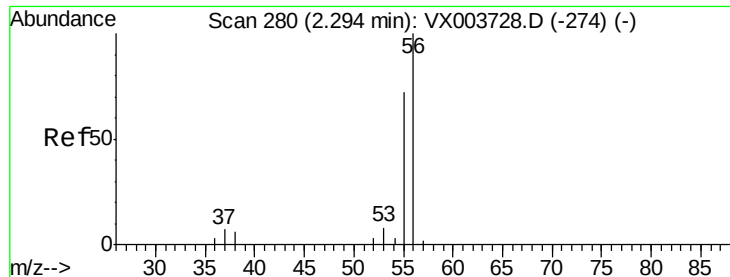
Tgt Ion: 59 Resp: 42558
Ion Ratio Lower Upper
59 100
57 10.0 8.1 12.1



#12
1,1-Dichloroethene
Concen: 51.136 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.01 min
Lab File: VX003742.D
Acq: 31 Jul 2018 00:23

Tgt Ion: 96 Resp: 51562
Ion Ratio Lower Upper
96 100
61 128.9 127.1 190.7
98 57.9 52.0 78.0





#13

Acrolein

Concen: 140.064 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003742.D

Acq: 31 Jul 2018 00:23

Instrument :

MSVOA_X

ClientSampleId :

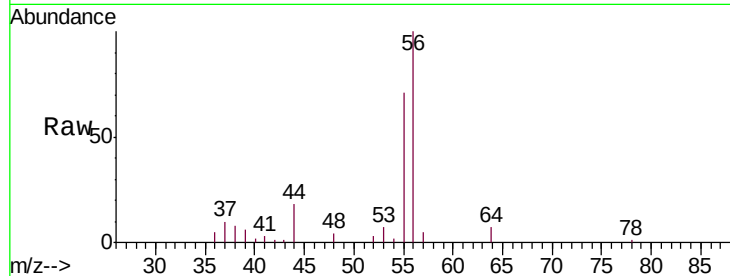
VSTDCCC050EC

Tgt Ion: 56 Resp: 8466

Ion Ratio Lower Upper

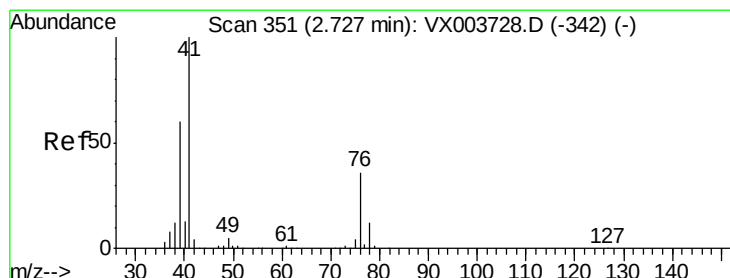
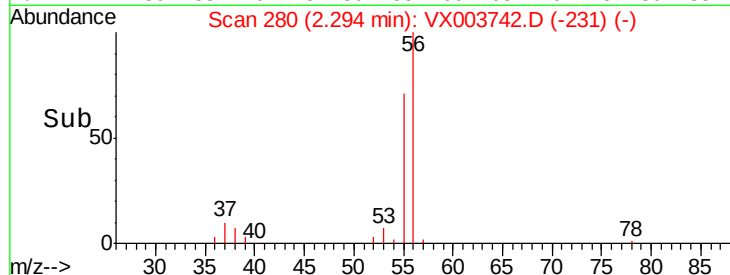
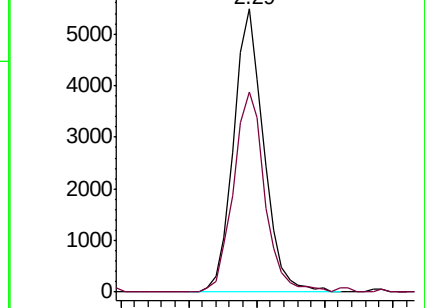
56 100

55 73.7 61.4 92.0



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 53.302 ug/l

RT: 2.72 min Scan# 350

Delta R.T. -0.01 min

Lab File: VX003742.D

Acq: 31 Jul 2018 00:23

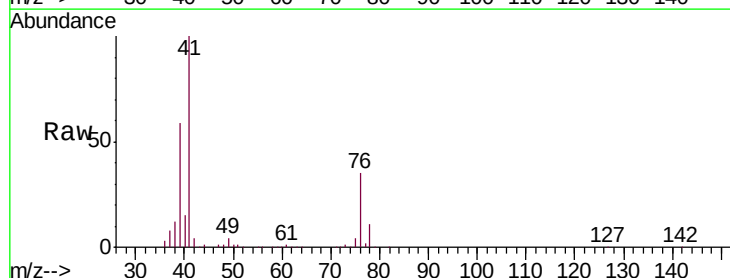
Tgt Ion: 41 Resp: 95274

Ion Ratio Lower Upper

41 100

39 60.4 47.7 71.5

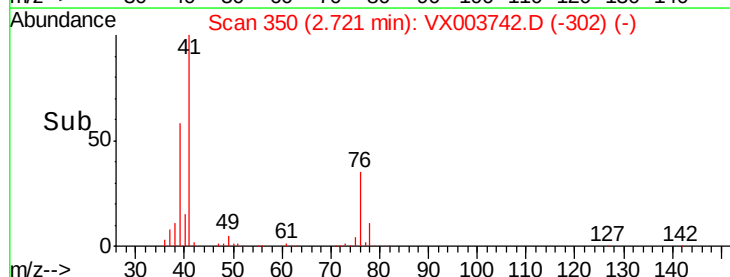
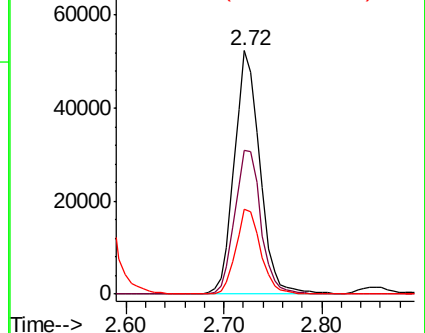
76 34.0 27.0 40.6

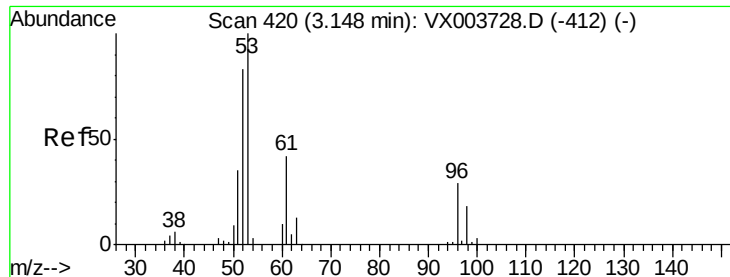


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 267.789 ug/l

RT: 3.15 min Scan# 420

Delta R.T. 0.00 min

Lab File: VX003742.D

Acq: 31 Jul 2018 00:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

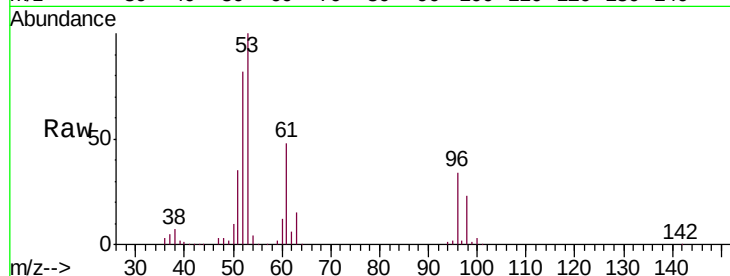
Tgt Ion: 53 Resp: 125817

Ion Ratio Lower Upper

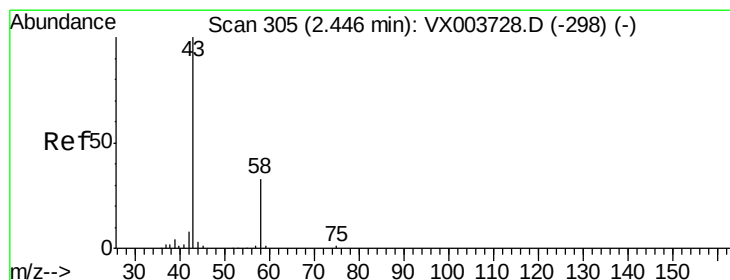
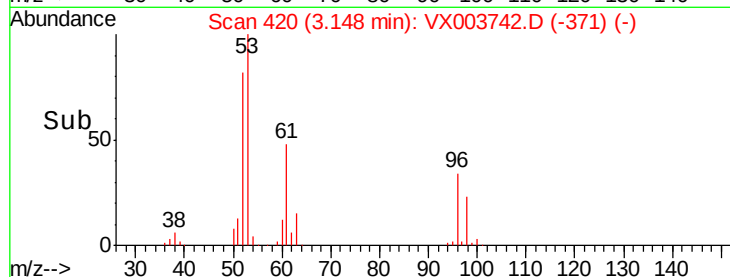
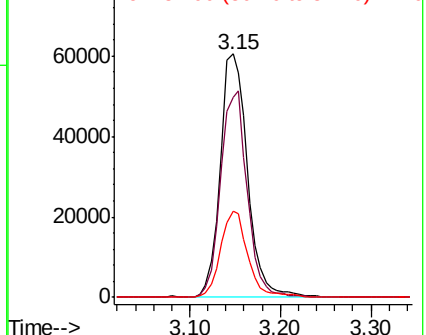
53 100

52 83.6 66.2 99.2

51 36.0 28.5 42.7



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



#16

Acetone

Concen: 239.211 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003742.D

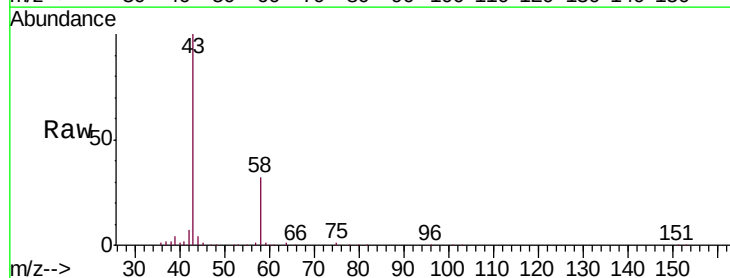
Acq: 31 Jul 2018 00:23

Tgt Ion: 43 Resp: 104250

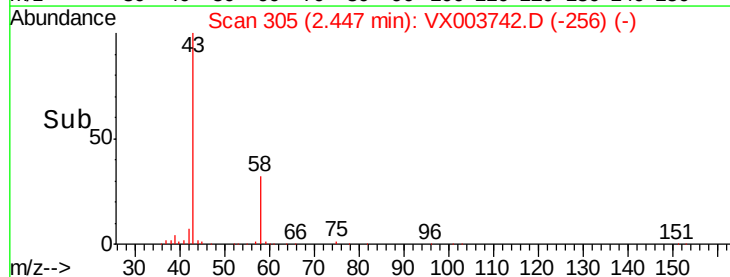
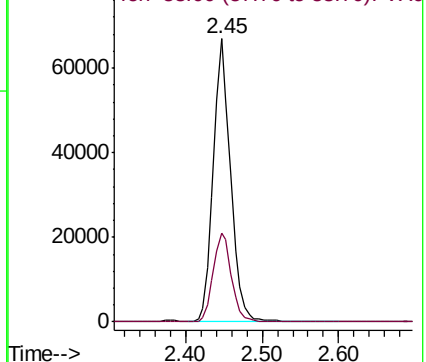
Ion Ratio Lower Upper

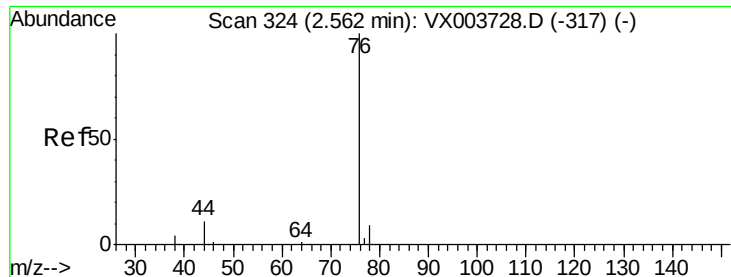
43 100

58 31.6 26.7 40.1



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





#17

Carbon Disulfide

Concen: 50.325 ug/l

RT: 2.56 min Scan# 324

Delta R.T. 0.00 min

Lab File: VX003742.D

Acq: 31 Jul 2018 00:23

Instrument :

MSVOA_X

ClientSampleId :

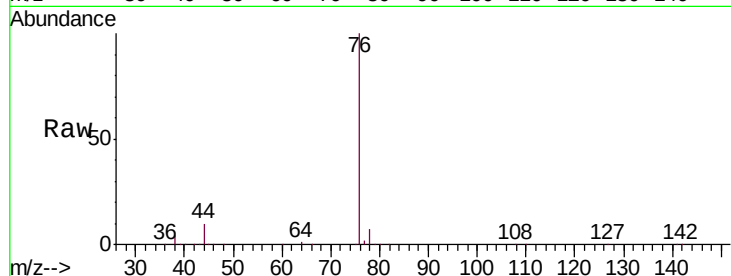
VSTDCCC050EC

Tgt Ion: 76 Resp: 165103

Ion Ratio Lower Upper

76 100

78 7.3 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

120000

100000

80000

60000

40000

20000

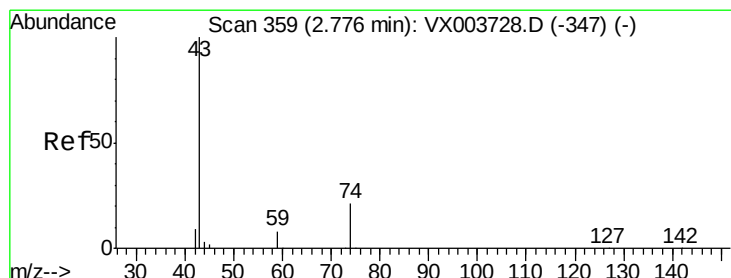
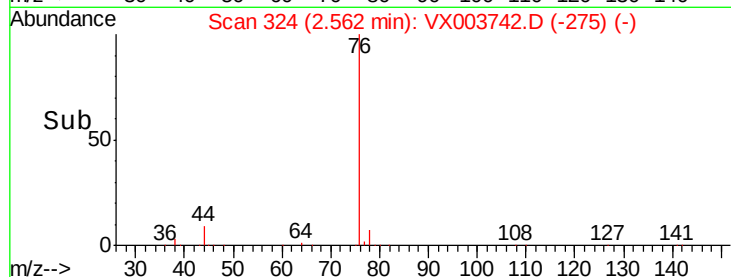
0

Time-->

2.50

2.60

2.70



#18

Methyl Acetate

Concen: 54.192 ug/l

RT: 2.78 min Scan# 359

Delta R.T. 0.00 min

Lab File: VX003742.D

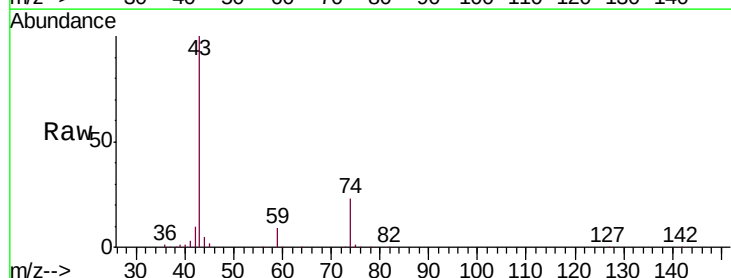
Acq: 31 Jul 2018 00:23

Tgt Ion: 43 Resp: 66368

Ion Ratio Lower Upper

43 100

74 23.6 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

40000

30000

20000

10000

0

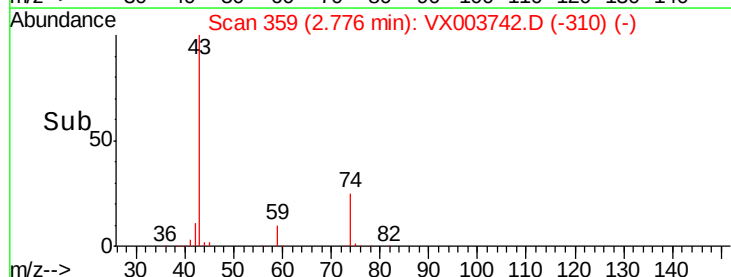
Time-->

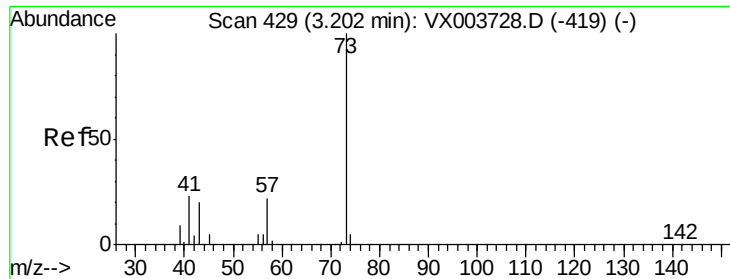
2.70

2.75

2.80

2.85





#19

Methyl tert-butyl Ether

Concen: 62.462 ug/l

RT: 3.20 min Scan# 429

Delta R.T. 0.00 min

Lab File: VX003742.D

Acq: 31 Jul 2018 00:23

Instrument :

MSVOA_X

ClientSampleId :

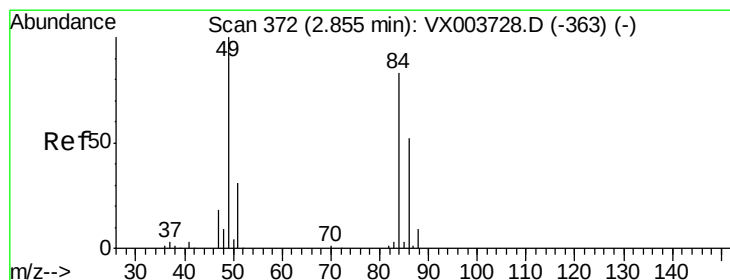
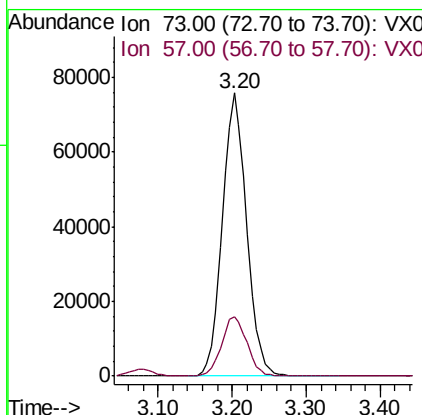
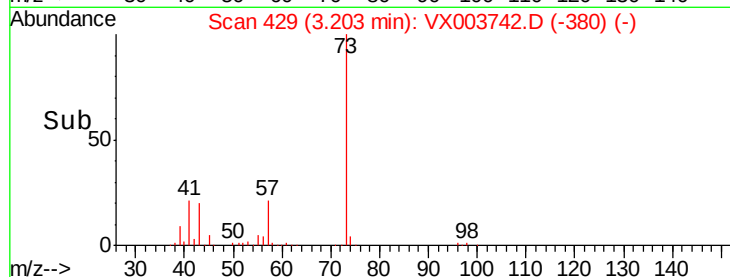
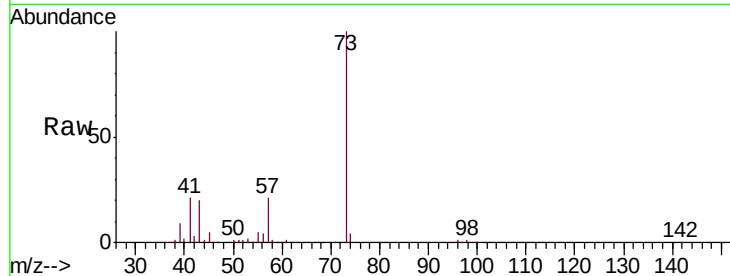
VSTDCCC050EC

Tgt Ion: 73 Resp: 171436

Ion Ratio Lower Upper

73 100

57 21.2 18.0 27.0



#20

Methylene Chloride

Concen: 58.681 ug/l

RT: 2.85 min Scan# 371

Delta R.T. -0.00 min

Lab File: VX003742.D

Acq: 31 Jul 2018 00:23

Tgt Ion: 84 Resp: 66714

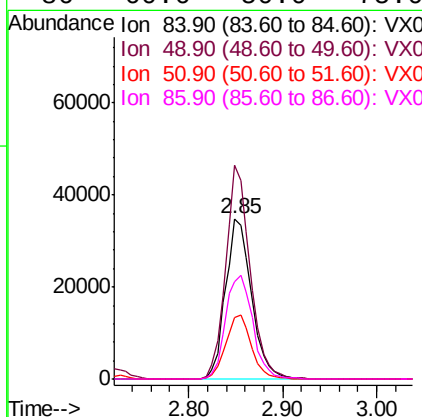
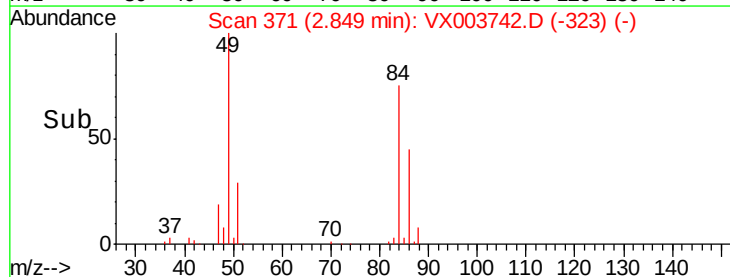
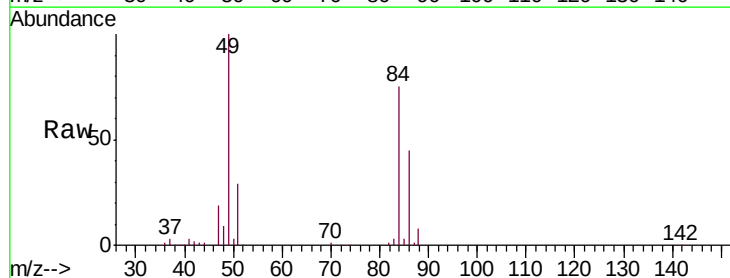
Ion Ratio Lower Upper

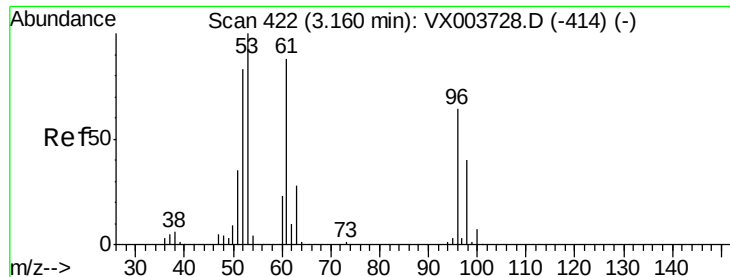
84 100

49 133.4 95.8 143.8

51 38.6 29.6 44.4

86 60.6 50.0 75.0





#21

trans-1,2-Dichloroethene

Concen: 53.087 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.00 min

Lab File: VX003742.D

Acq: 31 Jul 2018 00:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

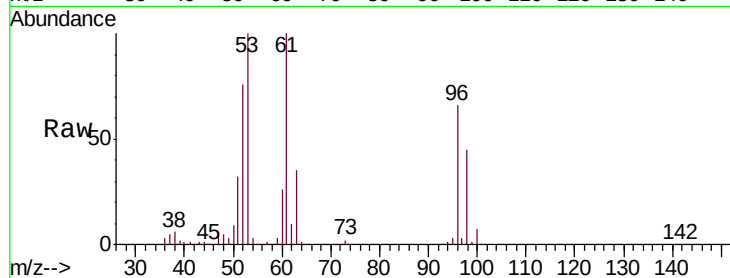
Tgt Ion: 96 Resp: 58653

Ion Ratio Lower Upper

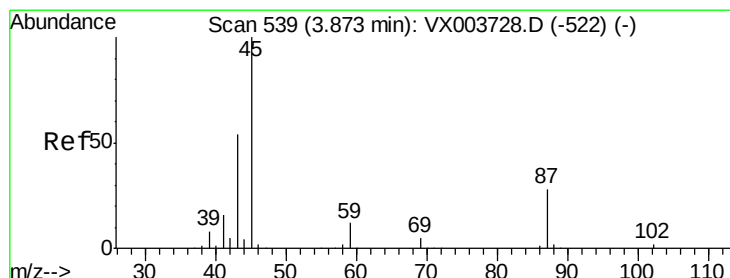
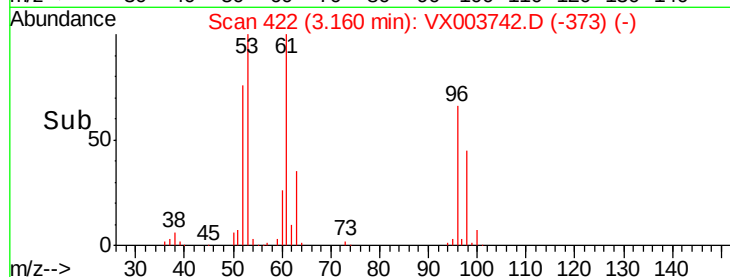
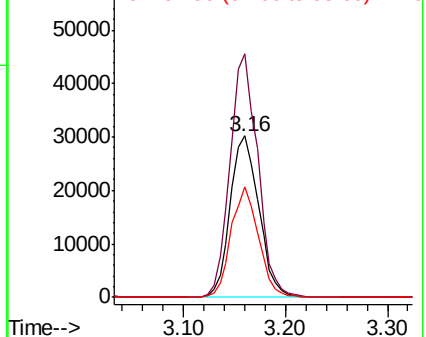
96 100

61 151.0 110.9 166.3

98 68.4 50.2 75.4



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: 62.422 ug/l

RT: 3.87 min Scan# 538

Delta R.T. -0.01 min

Lab File: VX003742.D

Acq: 31 Jul 2018 00:23

Tgt Ion: 45 Resp: 201418

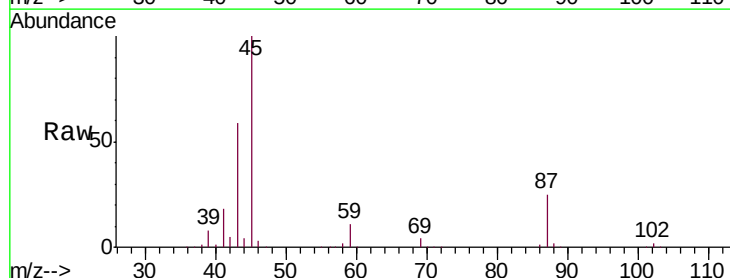
Ion Ratio Lower Upper

45 100

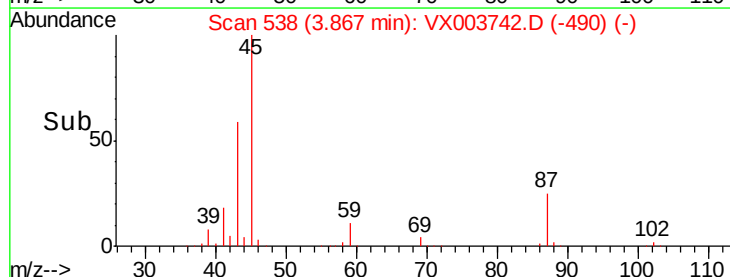
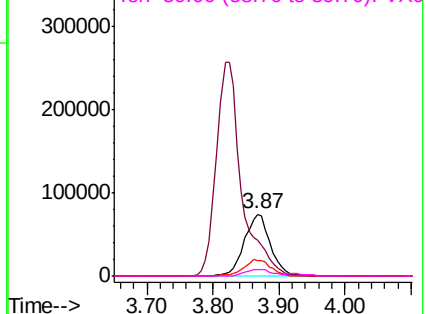
43 58.7 43.5 65.3

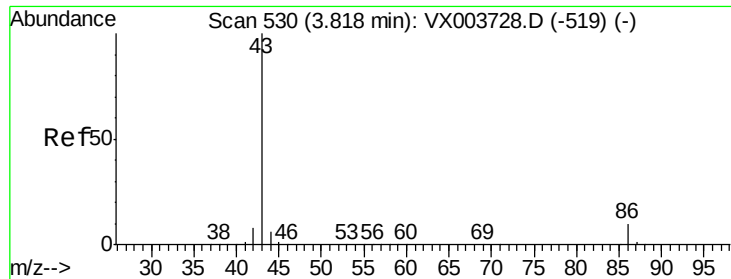
87 25.4 22.6 33.8

59 11.0 9.3 13.9



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: 292.861 ug/l

RT: 3.82 min Scan# 530

Delta R.T. 0.00 min

Lab File: VX003742.D

Acq: 31 Jul 2018 00:23

Instrument :

MSVOA_X

ClientSampleId :

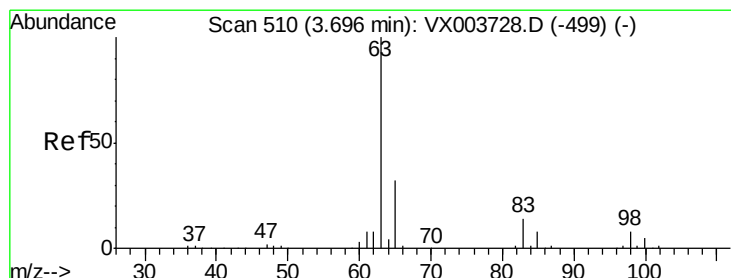
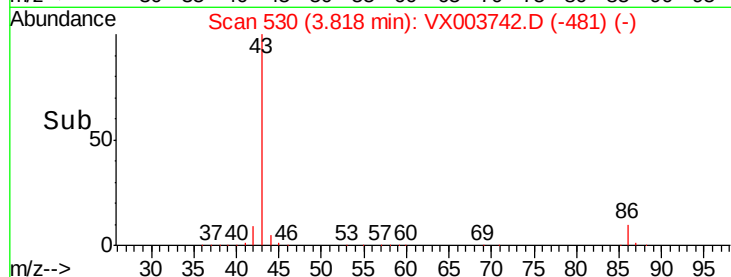
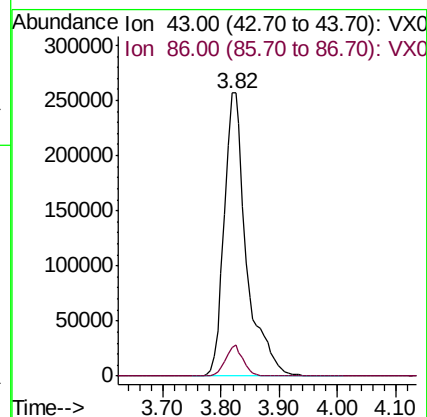
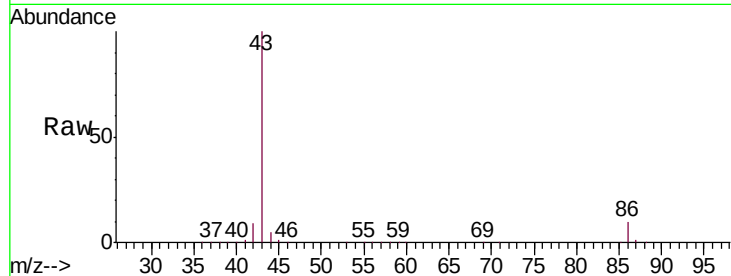
VSTDCCC050EC

Tgt Ion: 43 Resp: 681548

Ion Ratio Lower Upper

43 100

86 10.1 8.2 12.2



#24

1,1-Dichloroethane

Concen: 57.945 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003742.D

Acq: 31 Jul 2018 00:23

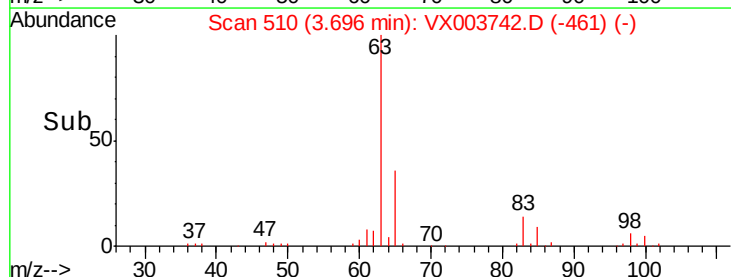
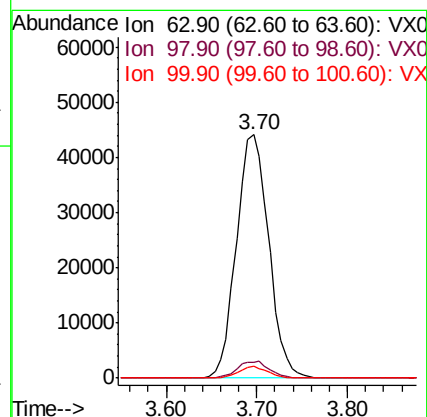
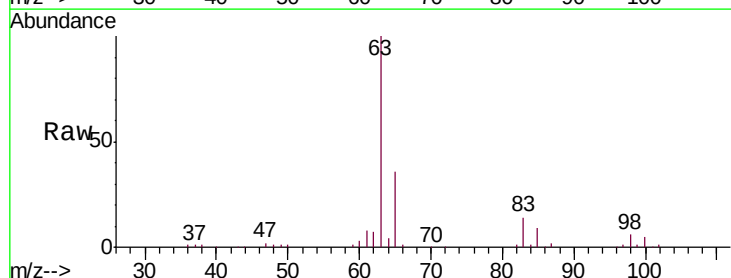
Tgt Ion: 63 Resp: 109039

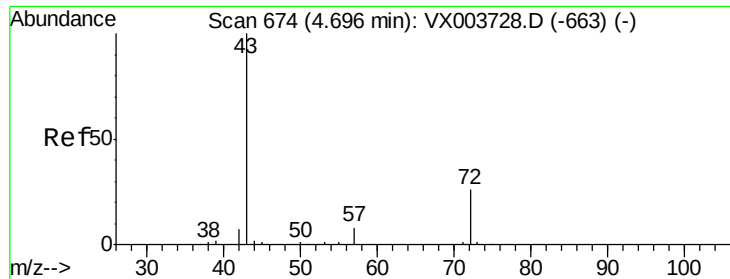
Ion Ratio Lower Upper

63 100

98 6.5 4.0 12.0

100 4.7 2.4 7.2





#25

2-Butanone

Concen: 260.590 ug/l

RT: 4.70 min Scan# 674

Delta R.T. 0.00 min

Lab File: VX003742.D

Acq: 31 Jul 2018 00:23

Instrument :

MSVOA_X

ClientSampleId :

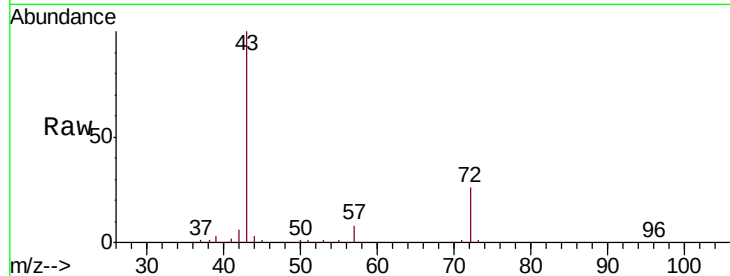
VSTDCCC050EC

Tgt Ion: 43 Resp: 165555

Ion Ratio Lower Upper

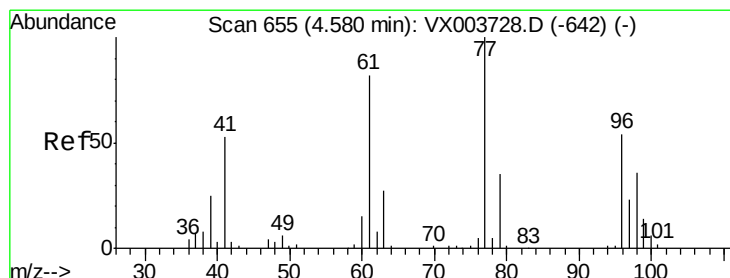
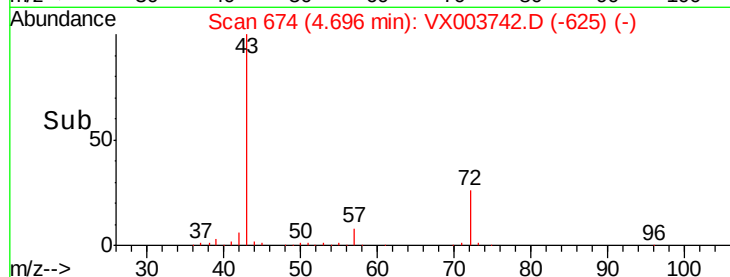
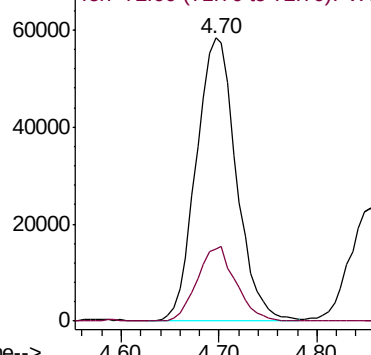
43 100

72 25.6 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 48.974 ug/l

RT: 4.58 min Scan# 655

Delta R.T. 0.00 min

Lab File: VX003742.D

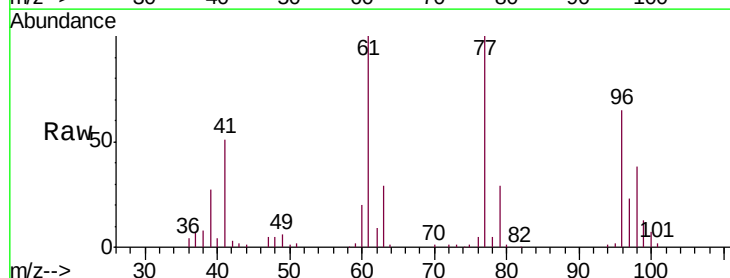
Acq: 31 Jul 2018 00:23

Tgt Ion: 77 Resp: 72581

Ion Ratio Lower Upper

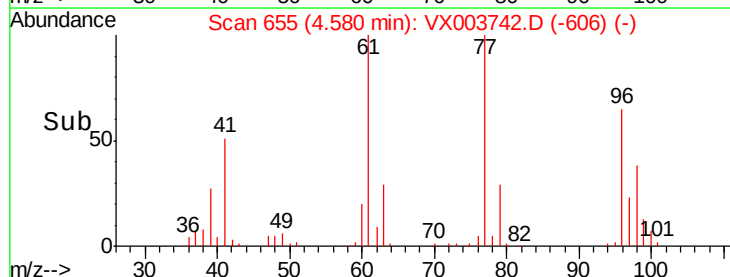
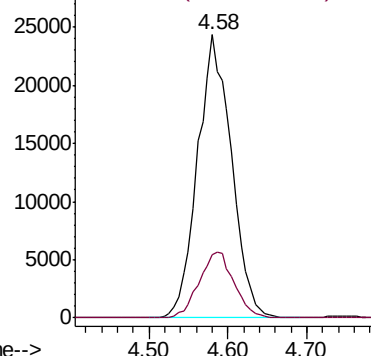
77 100

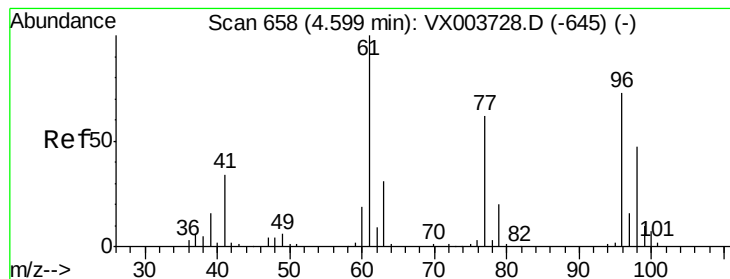
97 23.9 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



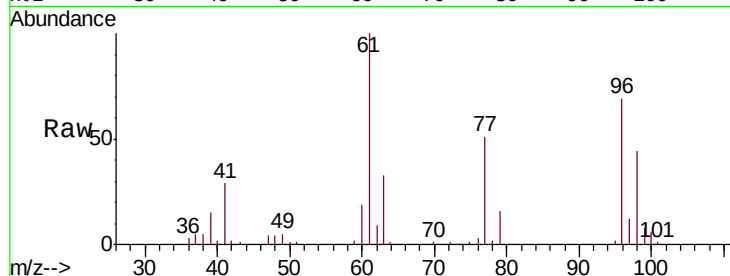


#27

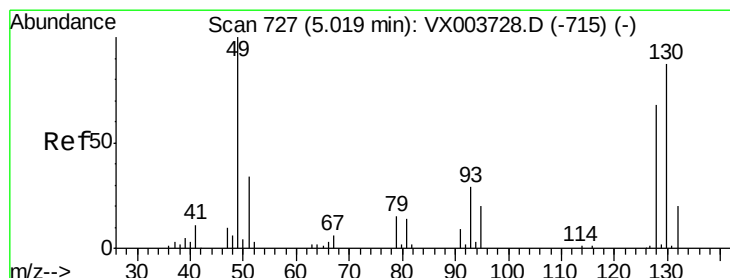
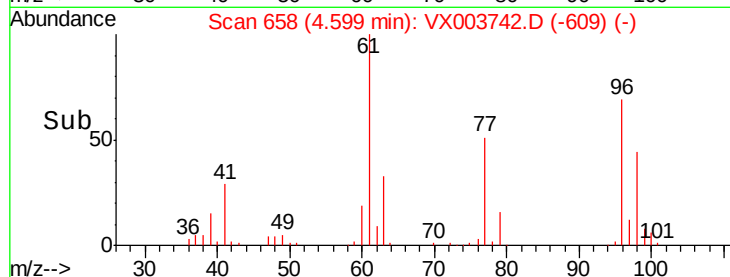
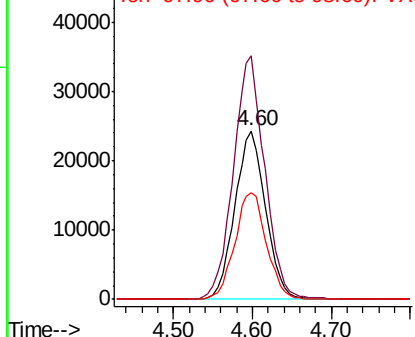
cis-1,2-Dichloroethene
 Concen: 55.154 ug/l
 RT: 4.60 min Scan# 658
 Delta R.T. 0.00 min
 Lab File: VX003742.D
 Acq: 31 Jul 2018 00:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 96 Resp: 65670
 Ion Ratio Lower Upper
 96 100
 61 147.8 0.0 285.6
 98 65.3 0.0 131.0



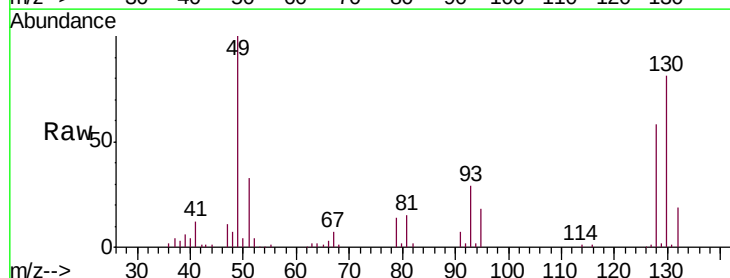
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



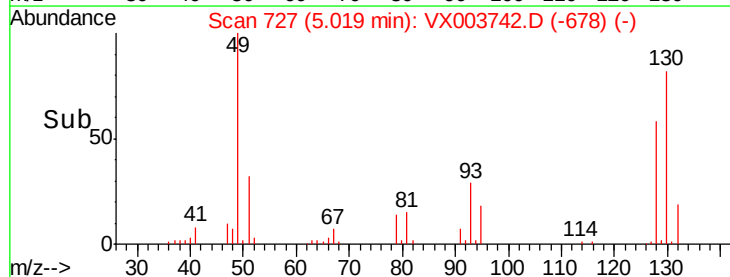
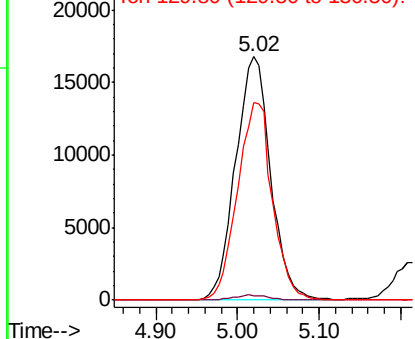
#28

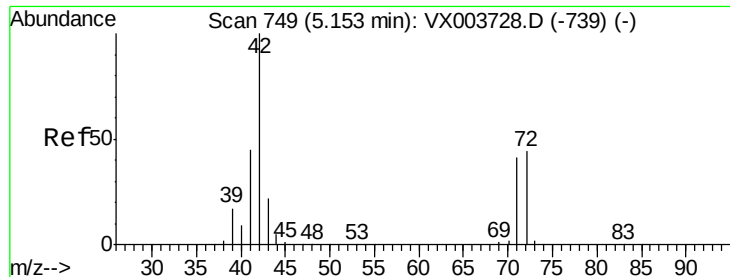
Bromochloromethane
 Concen: 59.289 ug/l
 RT: 5.02 min Scan# 727
 Delta R.T. 0.00 min
 Lab File: VX003742.D
 Acq: 31 Jul 2018 00:23

Tgt Ion: 49 Resp: 50045
 Ion Ratio Lower Upper
 49 100
 129 1.9 0.0 4.0
 130 80.8 68.9 103.3



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

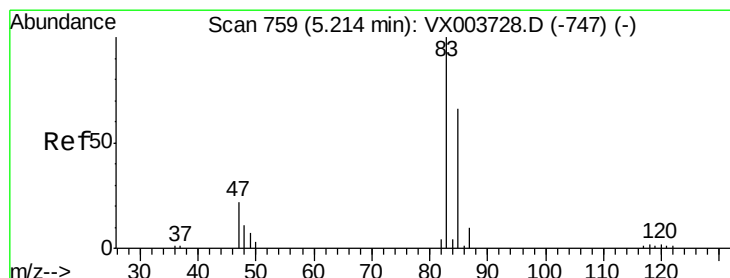
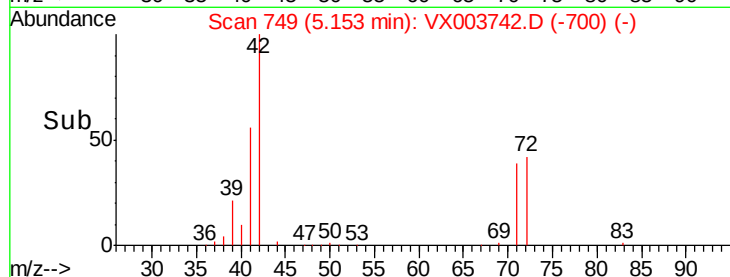
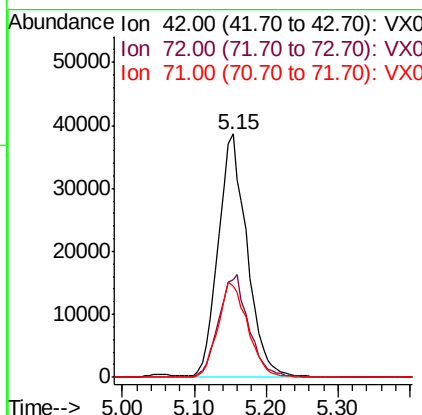
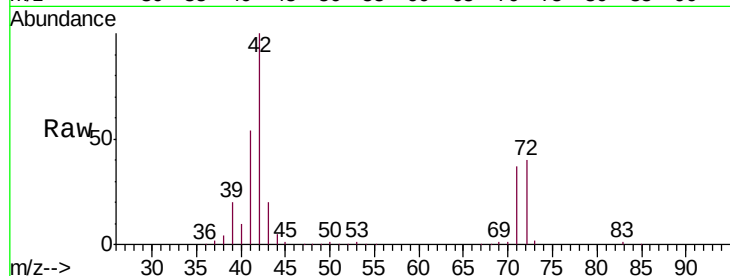




#29
Tetrahydrofuran
Concen: 263.982 ug/l
RT: 5.15 min Scan# 749
Delta R.T. 0.00 min
Lab File: VX003742.D
Acq: 31 Jul 2018 00:23

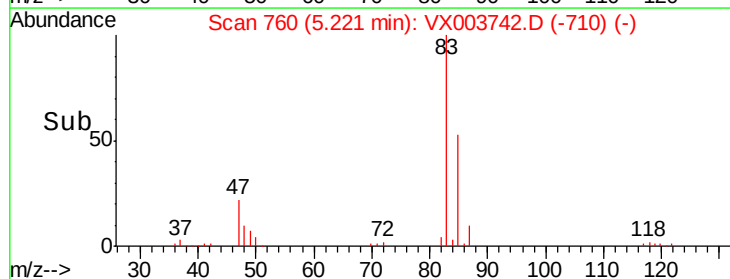
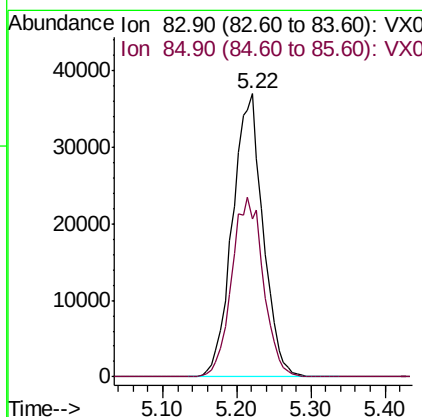
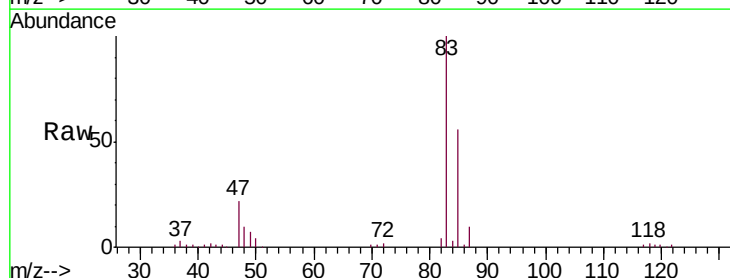
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

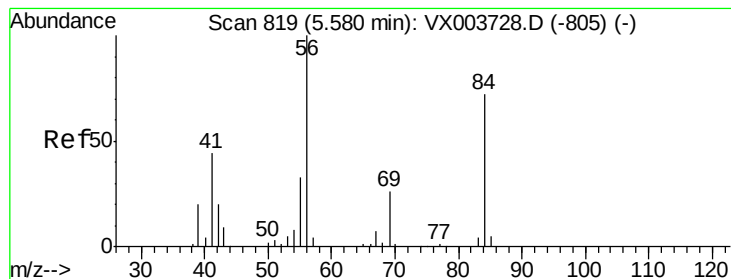
Tgt Ion: 42 Resp: 106878
Ion Ratio Lower Upper
42 100
72 44.1 35.6 53.4
71 40.6 33.4 50.0



#30
Chloroform
Concen: 57.219 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX003742.D
Acq: 31 Jul 2018 00:23

Tgt Ion: 83 Resp: 106098
Ion Ratio Lower Upper
83 100
85 56.0 52.8 79.2





#31

Cyclohexane

Concen: 48.643 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX003742.D

Acq: 31 Jul 2018 00:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

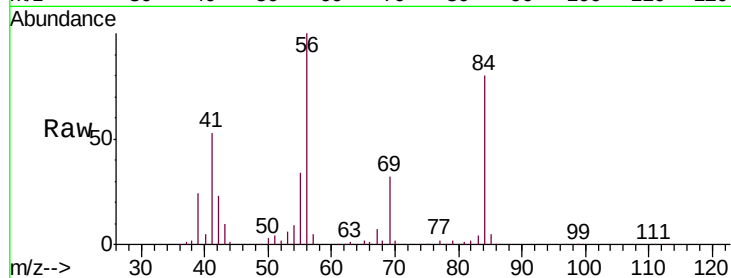
Tgt Ion: 56 Resp: 88418

Ion Ratio Lower Upper

56 100

69 32.3 20.6 30.8#

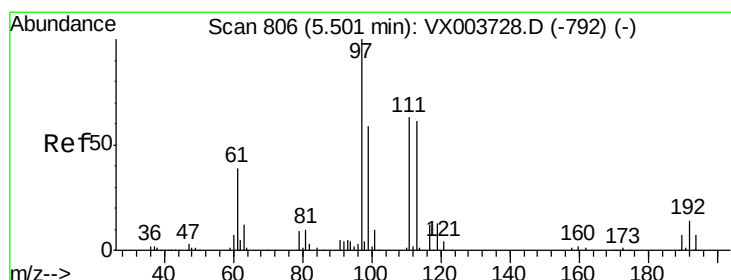
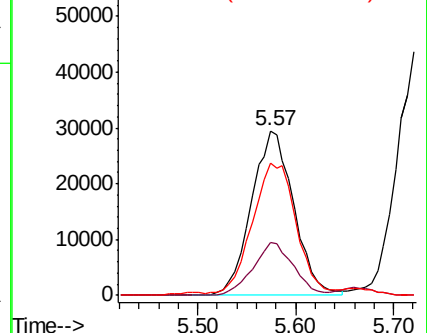
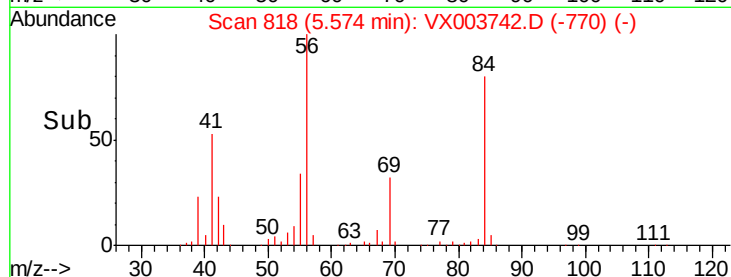
84 78.6 57.9 86.9



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: 52.273 ug/l

RT: 5.49 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX003742.D

Acq: 31 Jul 2018 00:23

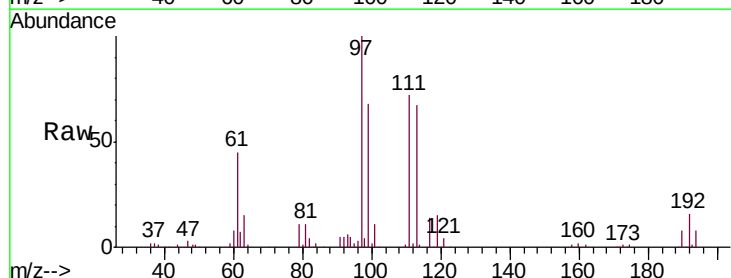
Tgt Ion: 97 Resp: 83305

Ion Ratio Lower Upper

97 100

99 65.7 51.4 77.2

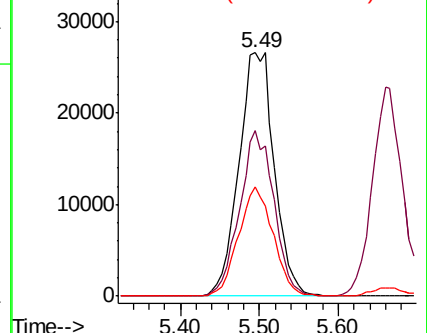
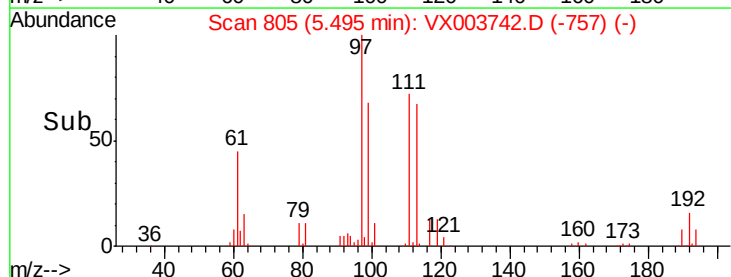
61 43.7 33.4 50.2

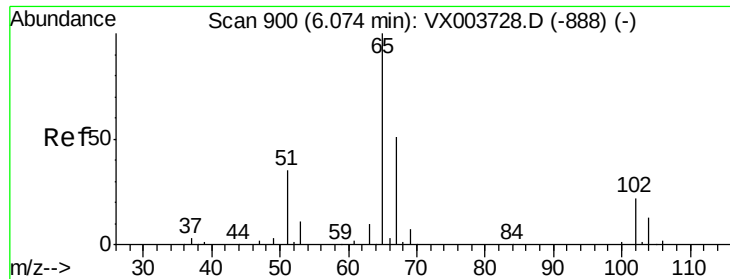


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

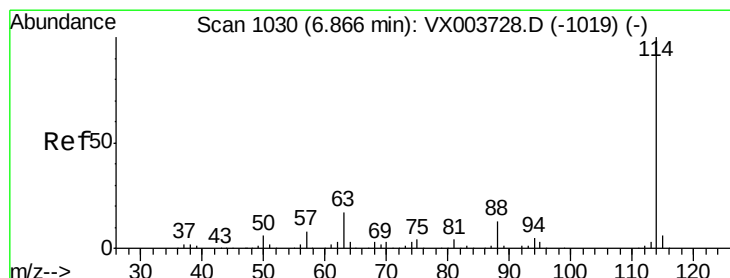
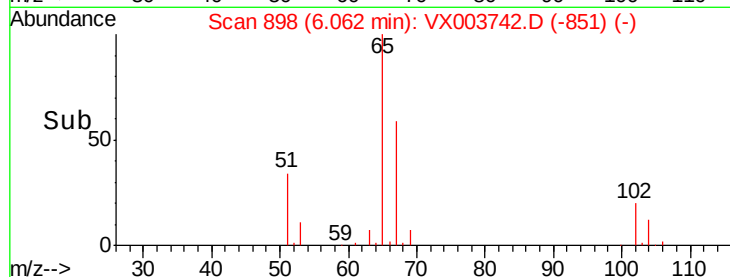
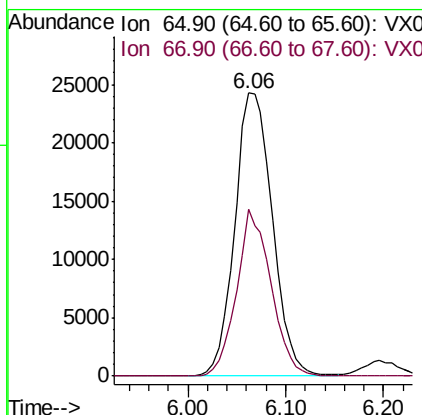
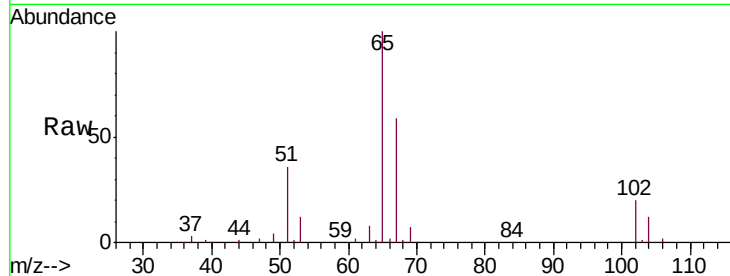




#33
 1,2-Dichloroethane-d4
 Concen: 56.781 ug/l
 RT: 6.06 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: VX003742.D
 Acq: 31 Jul 2018 00:23

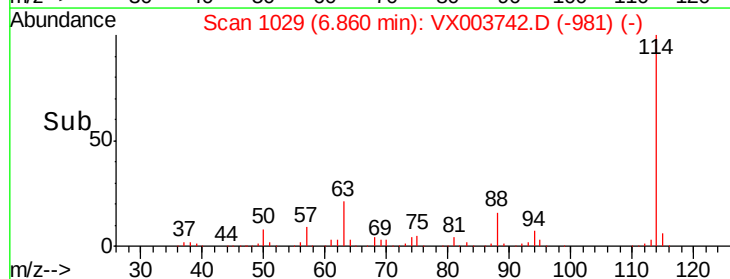
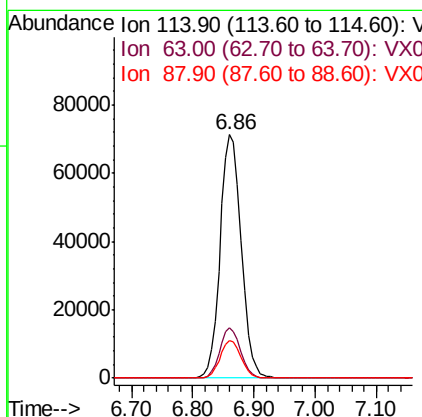
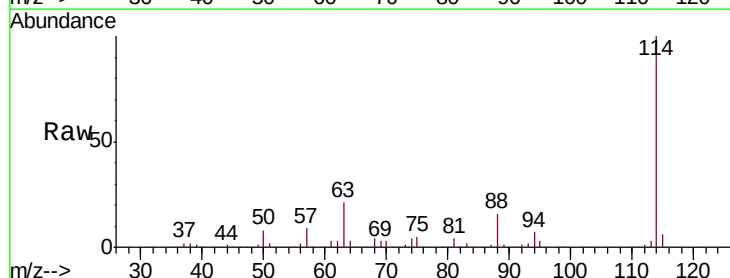
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

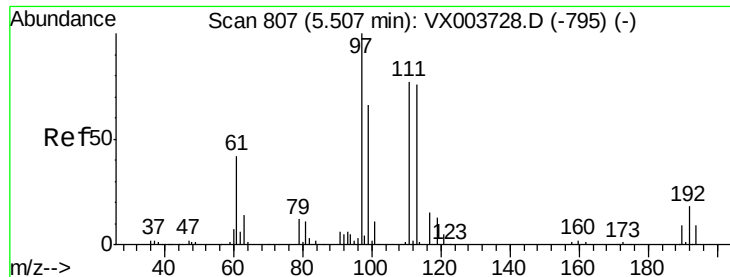
Tgt Ion: 65 Resp: 64784
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX003742.D
 Acq: 31 Jul 2018 00:23

Tgt Ion: 114 Resp: 171158
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 34.0
 88 15.6 0.0 26.4

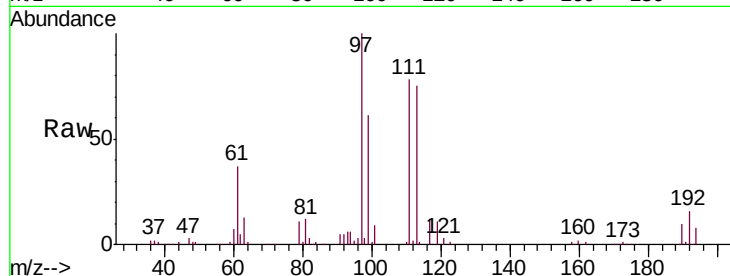




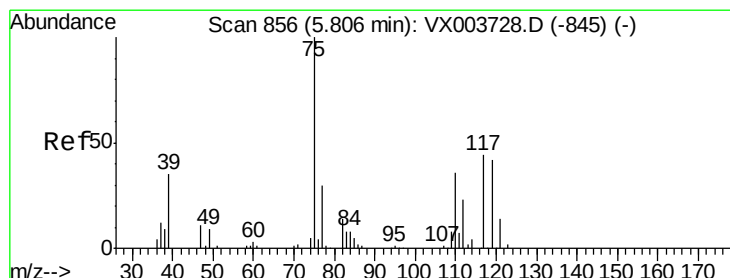
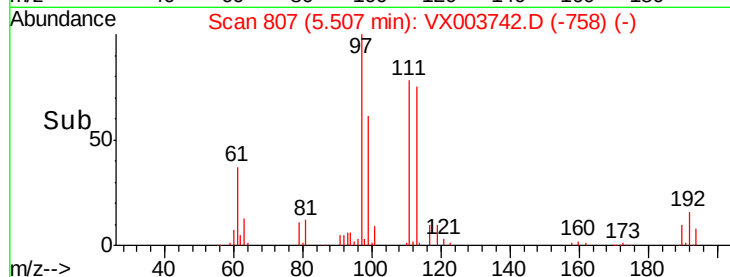
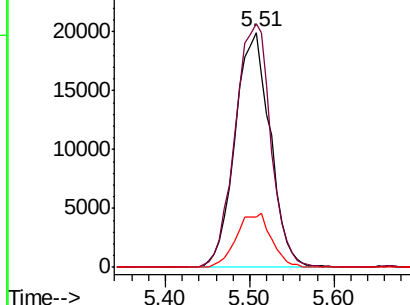
#35
 Dibromofluoromethane
 Concen: 55.807 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX003742.D
 Acq: 31 Jul 2018 00:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:113 Resp: 56243
 Ion Ratio Lower Upper
 113 100
 111 105.6 81.8 122.6
 192 22.9 18.8 28.2

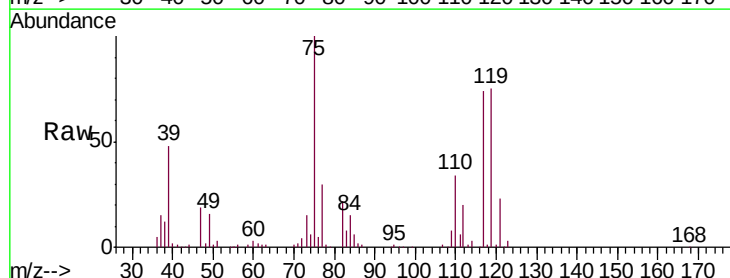


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

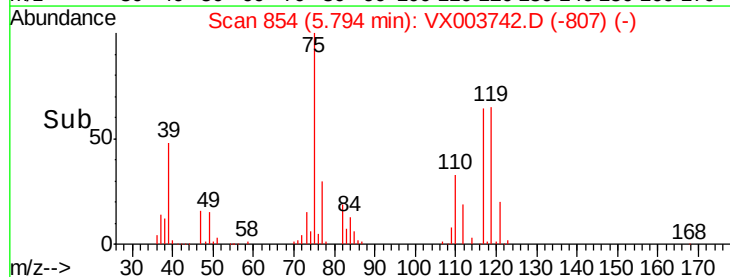
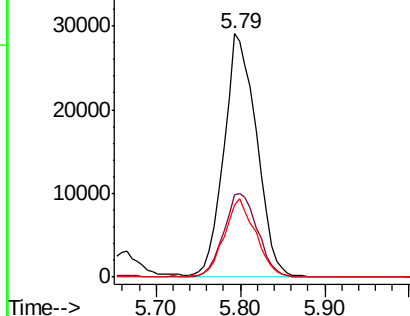


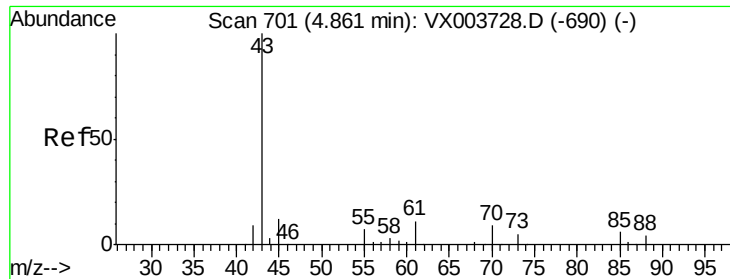
#36
 1,1-Dichloropropene
 Concen: 47.883 ug/l
 RT: 5.79 min Scan# 854
 Delta R.T. -0.01 min
 Lab File: VX003742.D
 Acq: 31 Jul 2018 00:23

Tgt Ion: 75 Resp: 76751
 Ion Ratio Lower Upper
 75 100
 110 35.7 18.3 54.8
 77 31.0 25.1 37.7



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

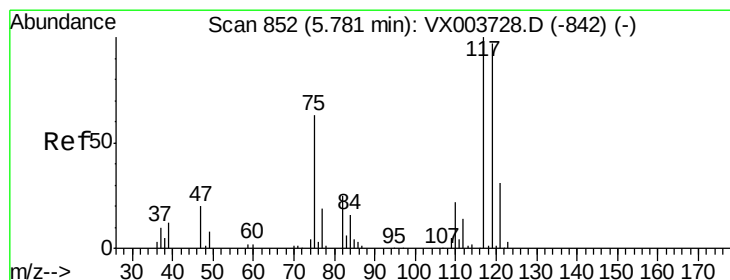
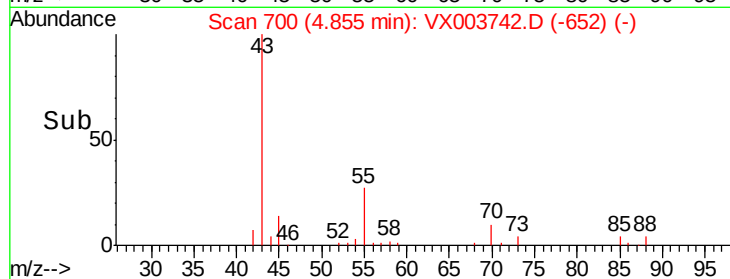
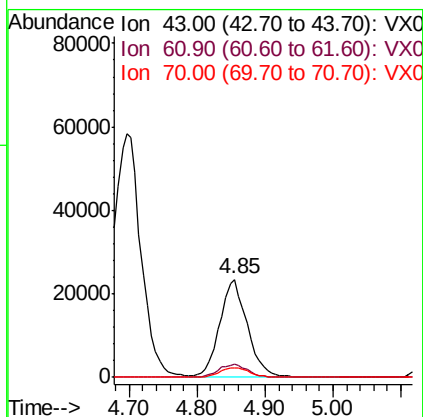
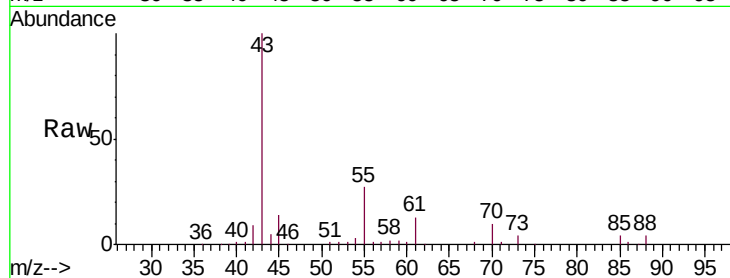




#37
Ethyl Acetate
Concen: 53.164 ug/l
RT: 4.85 min Scan# 700
Delta R.T. -0.01 min
Lab File: VX003742.D
Acq: 31 Jul 2018 00:23

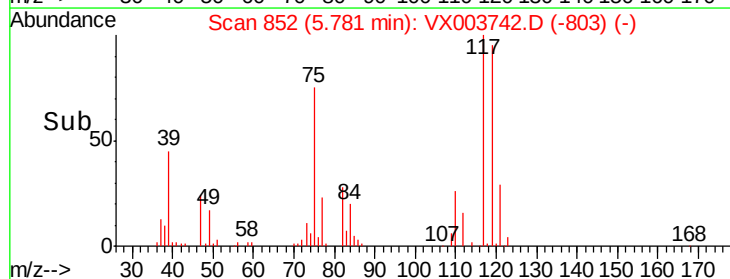
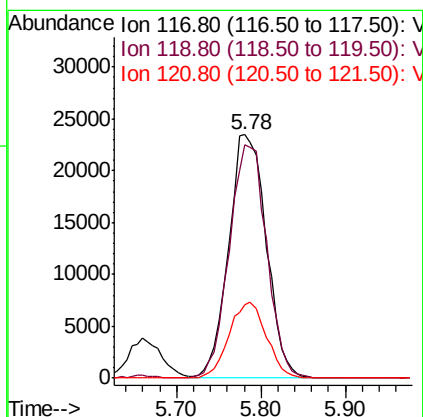
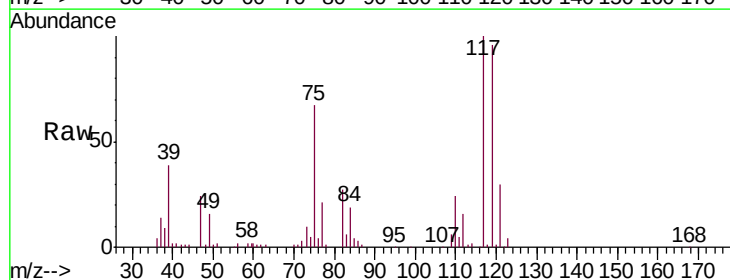
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

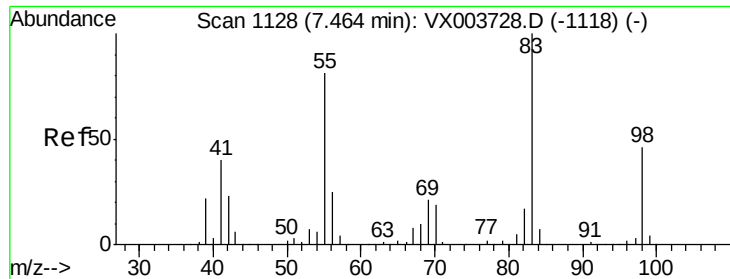
Tgt Ion: 43 Resp: 65459
Ion Ratio Lower Upper
43 100
61 14.1 11.4 17.0
70 10.7 8.2 12.2



#38
Carbon Tetrachloride
Concen: 47.996 ug/l
RT: 5.78 min Scan# 852
Delta R.T. 0.00 min
Lab File: VX003742.D
Acq: 31 Jul 2018 00:23

Tgt Ion: 117 Resp: 71160
Ion Ratio Lower Upper
117 100
119 95.9 77.2 115.8
121 30.1 25.0 37.4

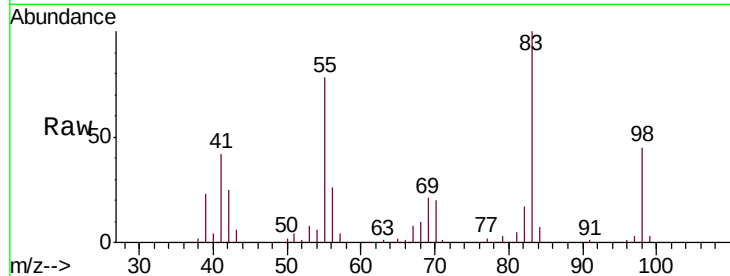




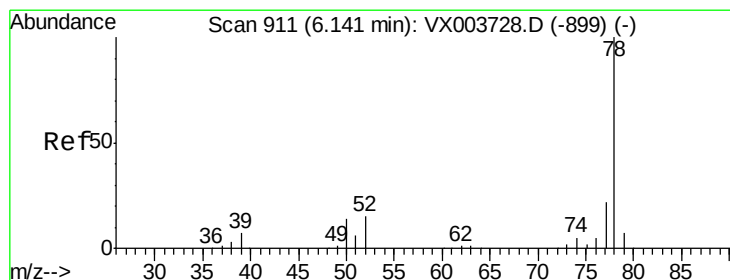
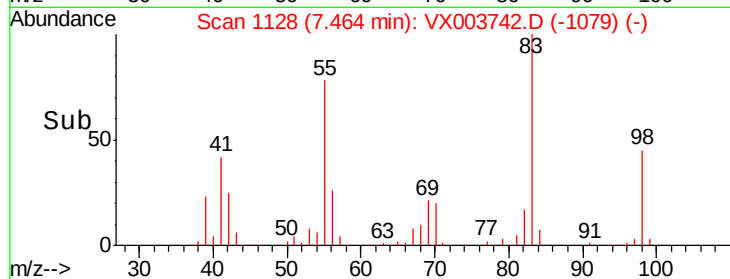
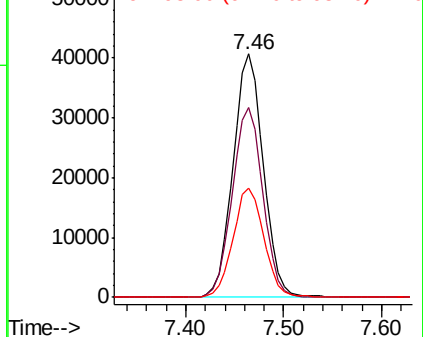
#39
Methylcyclohexane
Concen: 44.364 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003742.D
Acq: 31 Jul 2018 00:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 87305
Ion Ratio Lower Upper
83 100
55 78.2 65.0 97.6
98 45.0 37.1 55.7

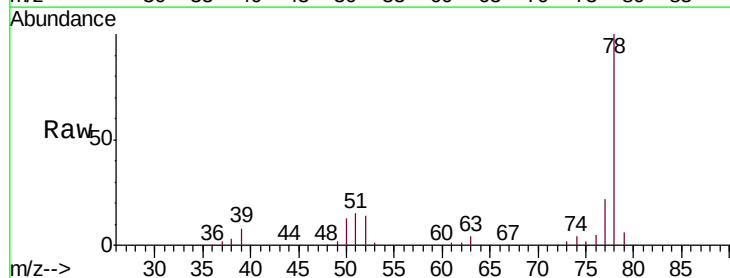


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

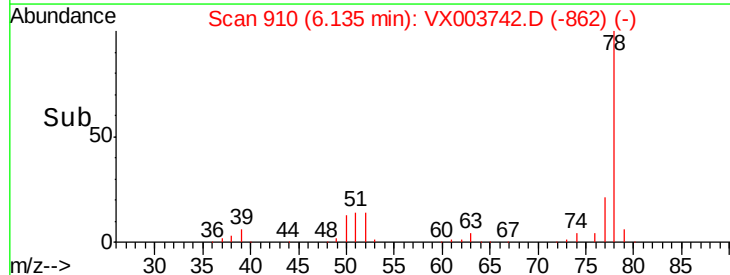
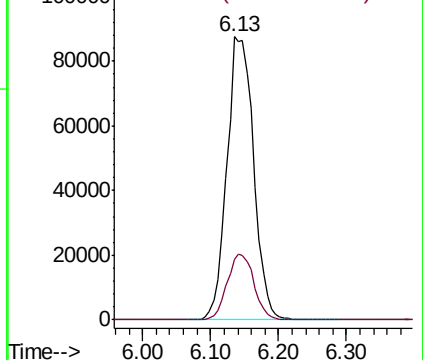


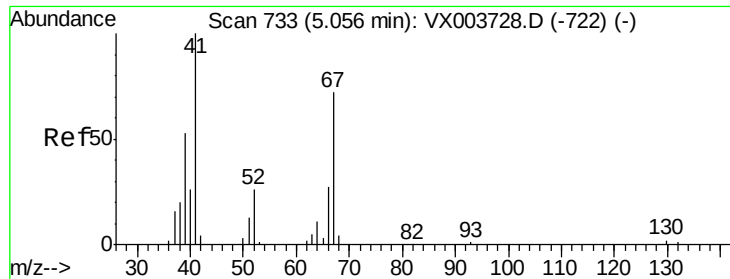
#40
Benzene
Concen: 51.954 ug/l
RT: 6.13 min Scan# 910
Delta R.T. -0.01 min
Lab File: VX003742.D
Acq: 31 Jul 2018 00:23

Tgt Ion: 78 Resp: 238645
Ion Ratio Lower Upper
78 100
77 21.6 17.9 26.9



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

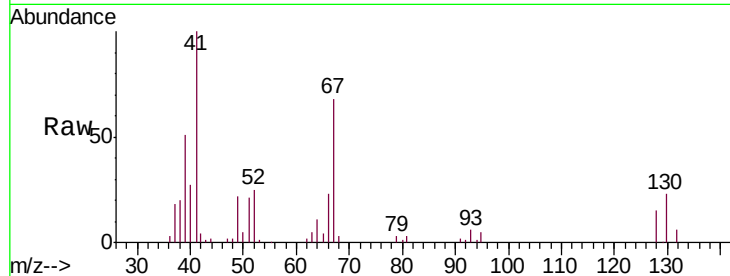




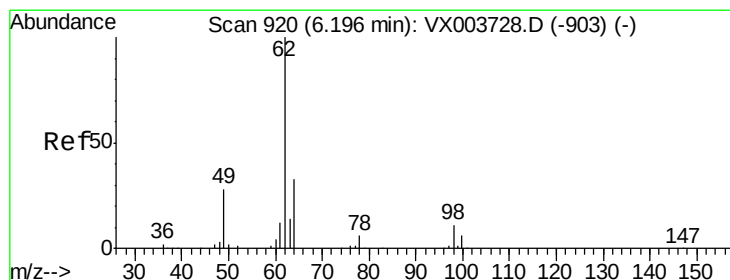
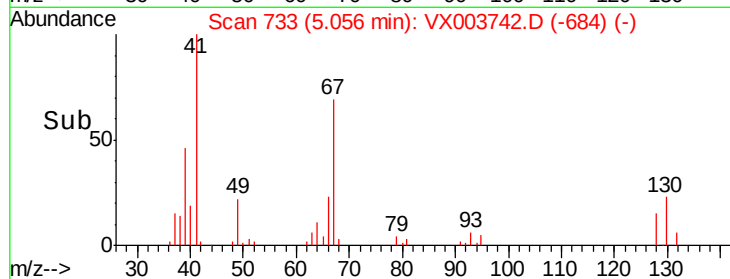
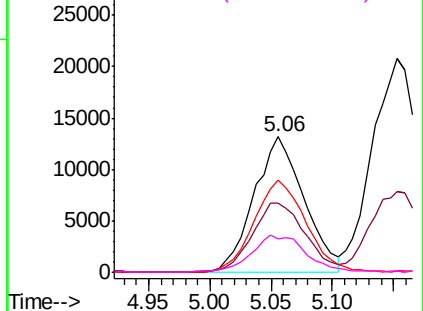
#41
Methacrylonitrile
Concen: 54.028 ug/l
RT: 5.06 min Scan# 733
Delta R.T. 0.00 min
Lab File: VX003742.D
Acq: 31 Jul 2018 00:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:	41	Resp:	37497
Ion	Ratio	Lower	Upper
41	100		
39	54.0	42.6	64.0
67	70.9	58.9	88.3
52	30.0	22.9	34.3

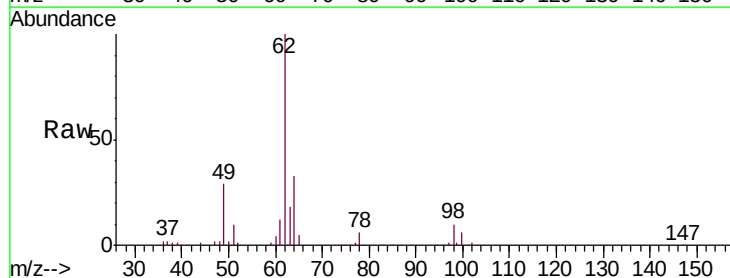


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

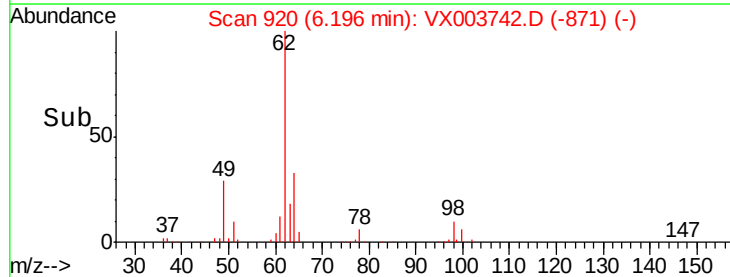
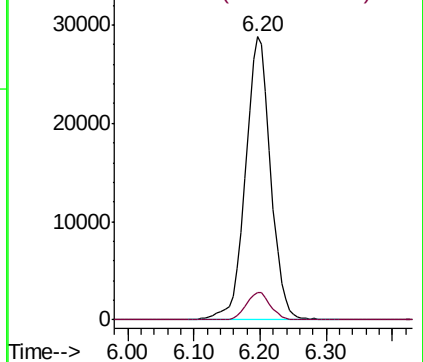


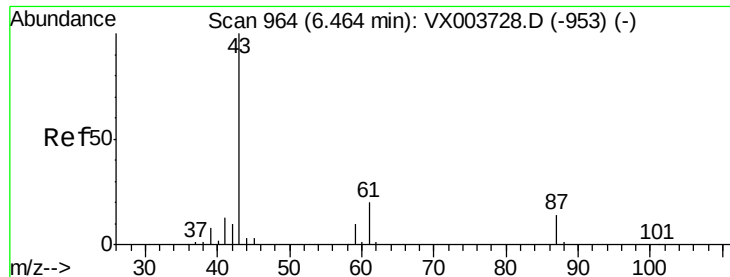
#42
1,2-Dichloroethane
Concen: 54.802 ug/l
RT: 6.20 min Scan# 920
Delta R.T. 0.00 min
Lab File: VX003742.D
Acq: 31 Jul 2018 00:23

Tgt Ion:	62	Resp:	76029
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	20.4



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 52.566 ug/l

RT: 6.46 min Scan# 963

Delta R.T. -0.01 min

Lab File: VX003742.D

Acq: 31 Jul 2018 00:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

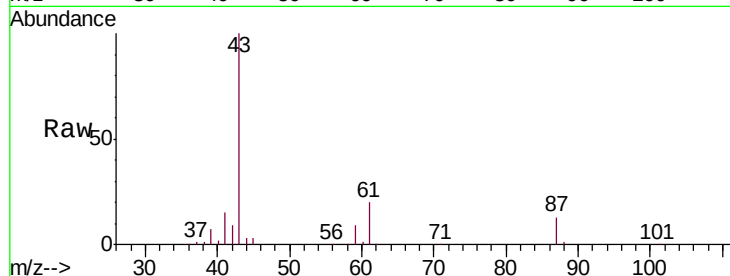
Tgt Ion: 43 Resp: 103123

Ion Ratio Lower Upper

43 100

61 20.1 16.5 24.7

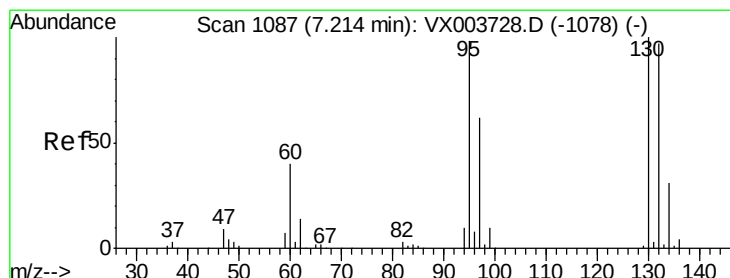
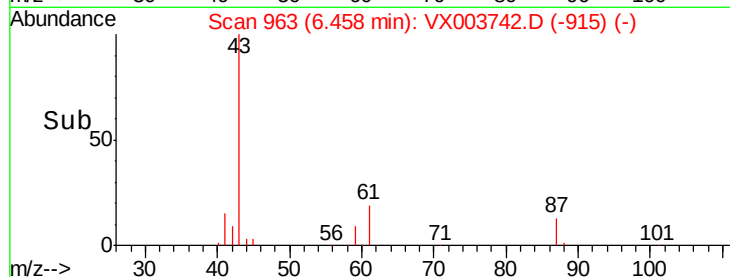
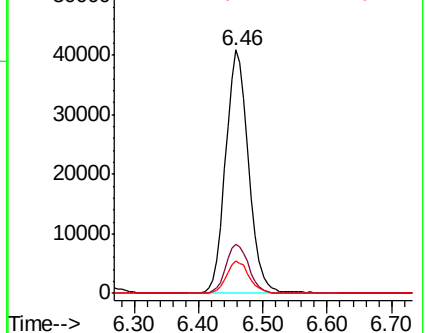
87 13.0 10.7 16.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 45.627 ug/l

RT: 7.21 min Scan# 1087

Delta R.T. 0.00 min

Lab File: VX003742.D

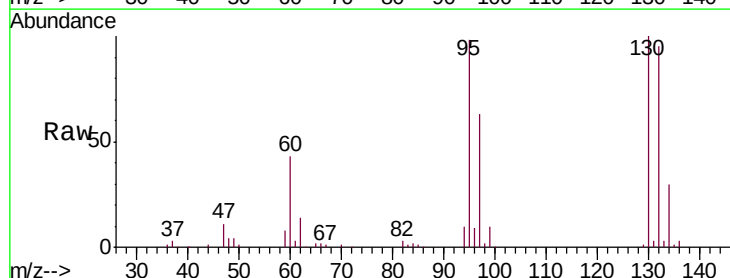
Acq: 31 Jul 2018 00:23

Tgt Ion: 130 Resp: 59786

Ion Ratio Lower Upper

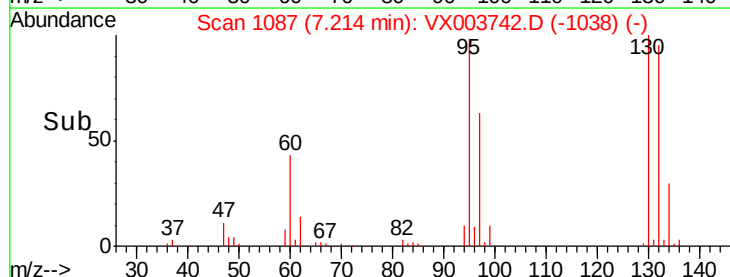
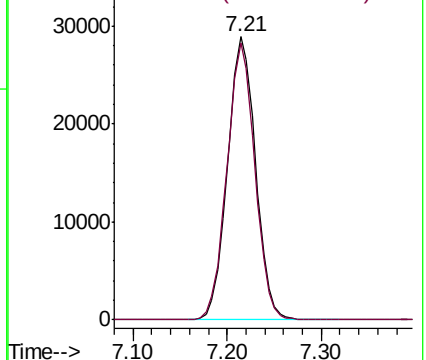
130 100

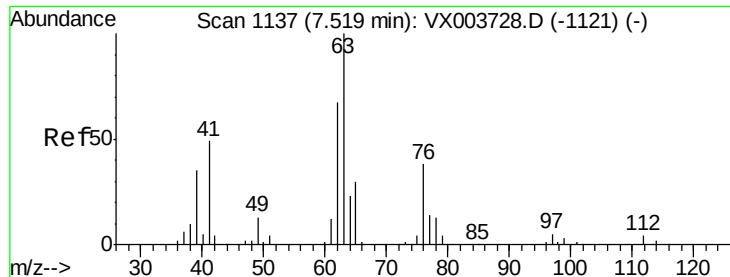
95 98.0 0.0 196.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

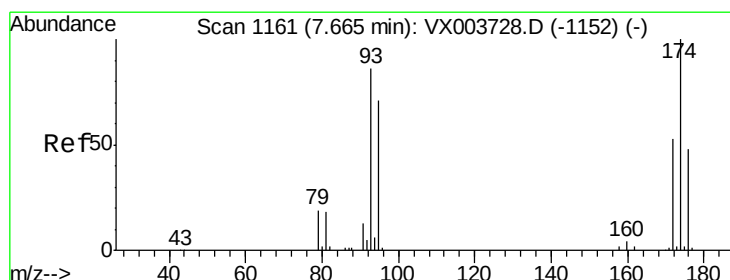
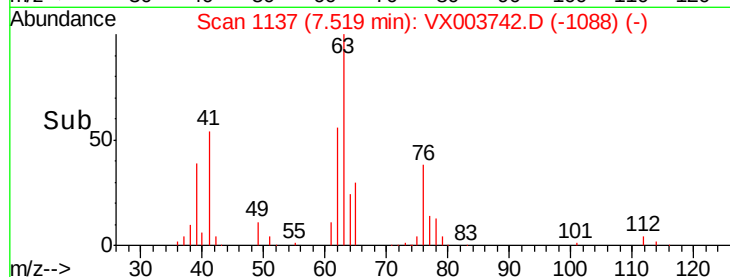
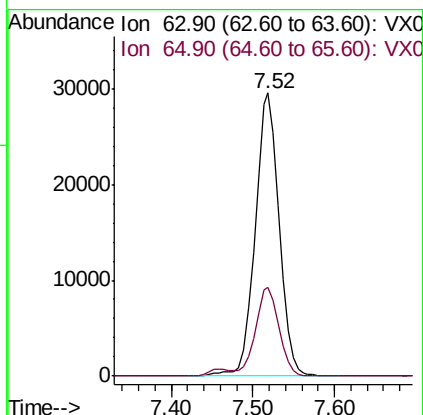
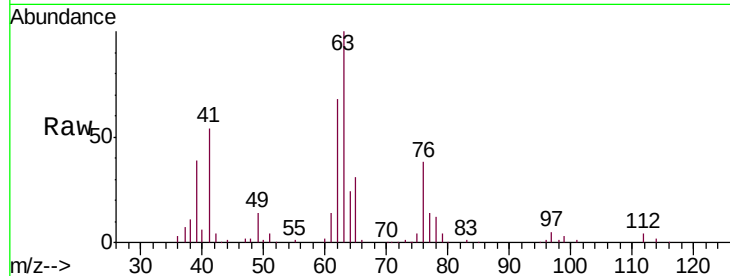




#45
 1,2-Dichloropropane
 Concen: 53.836 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX003742.D
 Acq: 31 Jul 2018 00:23

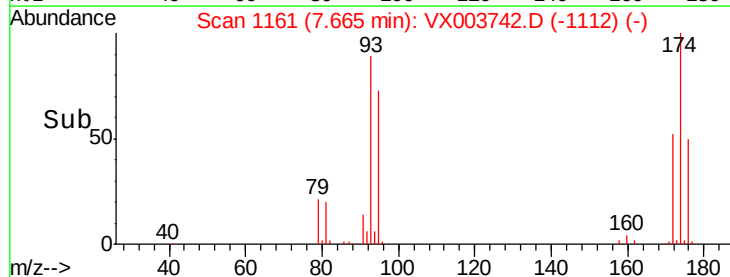
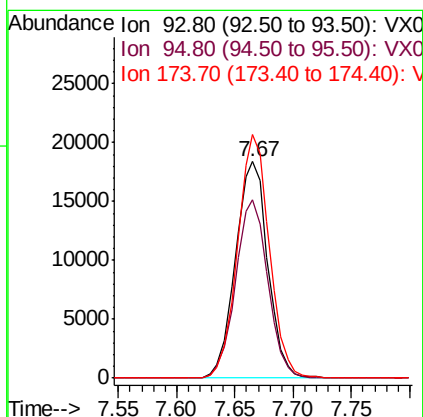
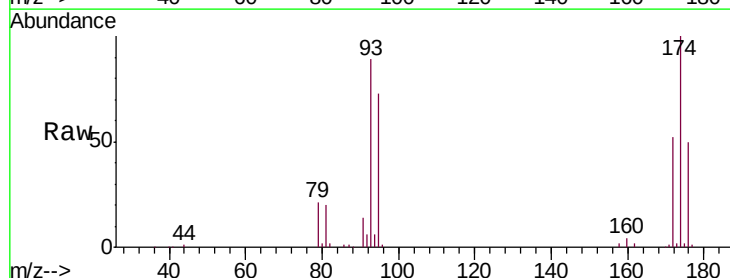
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

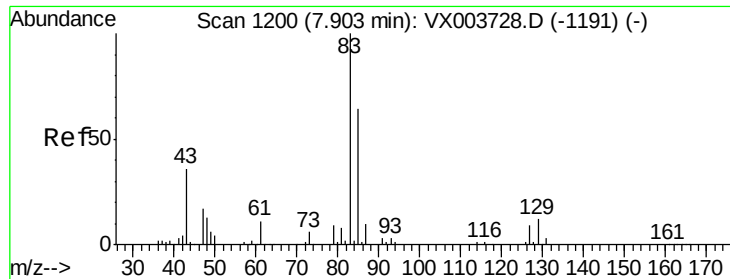
Tgt Ion: 63 Resp: 60812
 Ion Ratio Lower Upper
 63 100
 65 31.4 23.7 35.5



#46
 Dibromomethane
 Concen: 54.702 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX003742.D
 Acq: 31 Jul 2018 00:23

Tgt Ion: 93 Resp: 35608
 Ion Ratio Lower Upper
 93 100
 95 81.9 68.1 102.1
 174 110.4 96.2 144.4





#47

Bromodichloromethane

Concen: 55.373 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003742.D

Acq: 31 Jul 2018 00:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

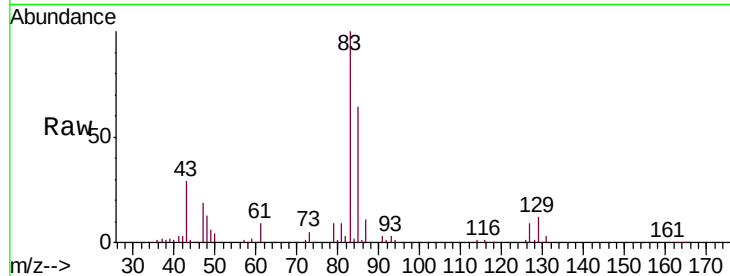
Tgt Ion: 83 Resp: 71830

Ion Ratio Lower Upper

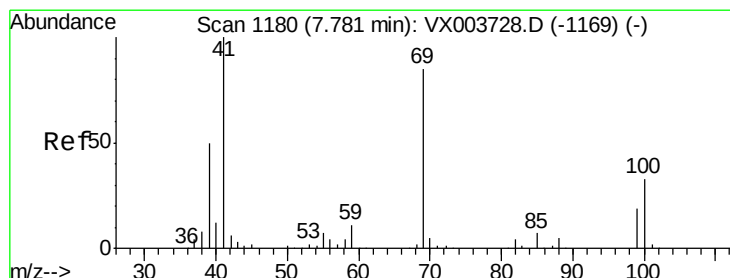
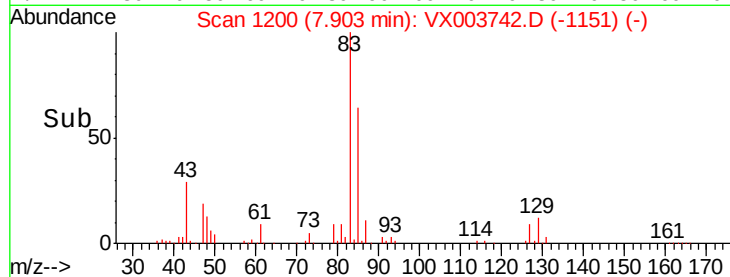
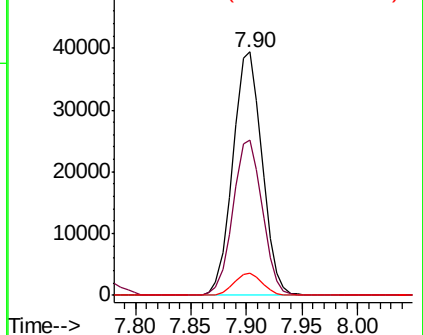
83 100

85 63.7 51.1 76.7

127 9.0 7.1 10.7



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: 54.736 ug/l

RT: 7.77 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VX003742.D

Acq: 31 Jul 2018 00:23

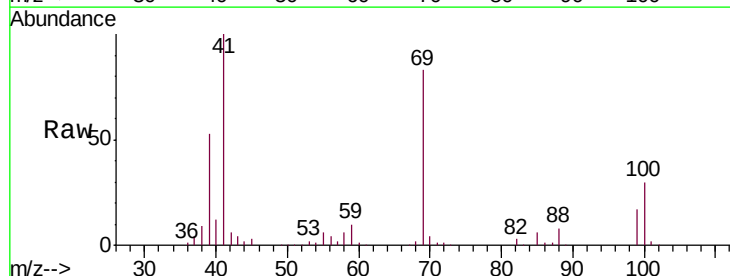
Tgt Ion: 41 Resp: 53863

Ion Ratio Lower Upper

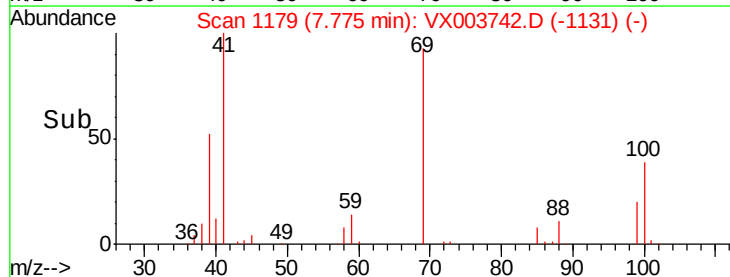
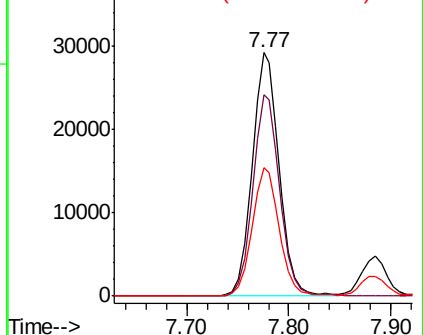
41 100

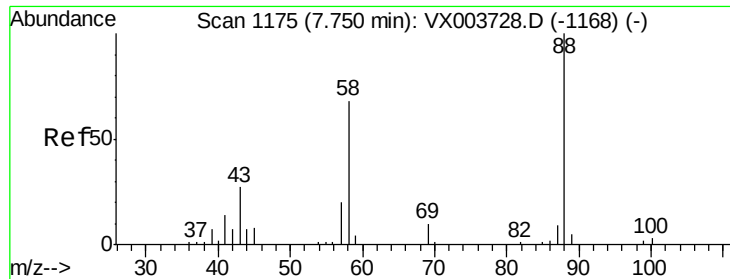
69 82.8 68.7 103.1

39 52.9 40.8 61.2



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





#49

1,4-Dioxane

Concen: 898.790 ug/l

RT: 7.76 min Scan# 1176

Delta R.T. 0.01 min

Lab File: VX003742.D

Acq: 31 Jul 2018 00:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

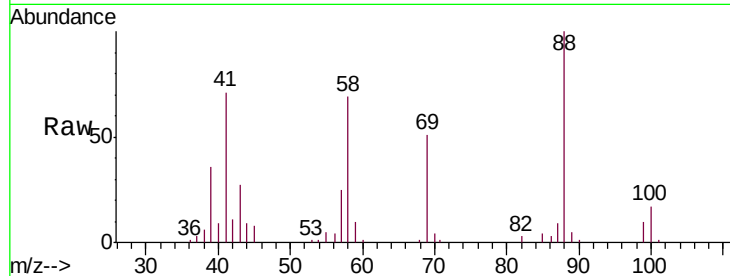
Tgt Ion: 88 Resp: 17851

Ion Ratio Lower Upper

88 100

43 34.1 26.0 39.0

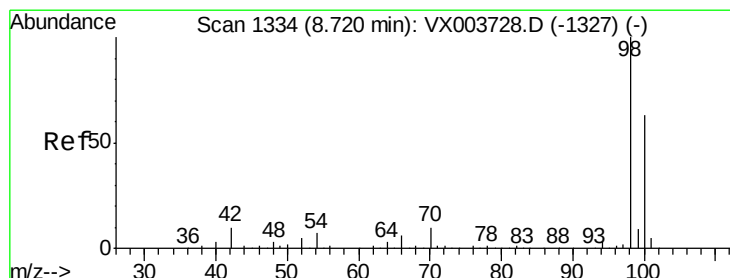
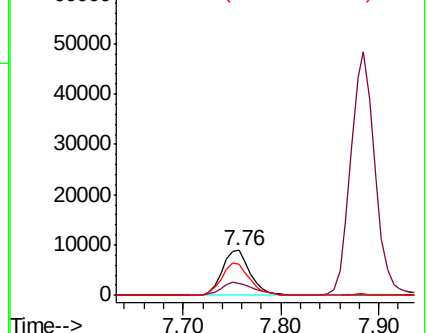
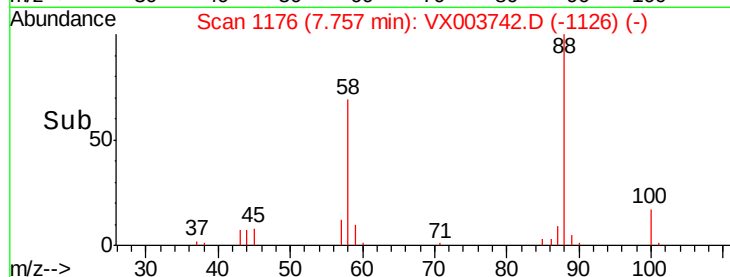
58 72.4 57.1 85.7



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: 55.674 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003742.D

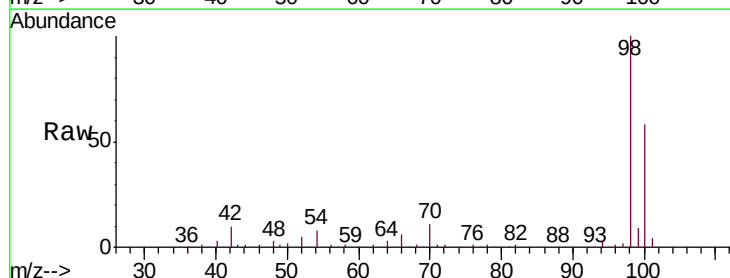
Acq: 31 Jul 2018 00:23

Tgt Ion: 98 Resp: 233942

Ion Ratio Lower Upper

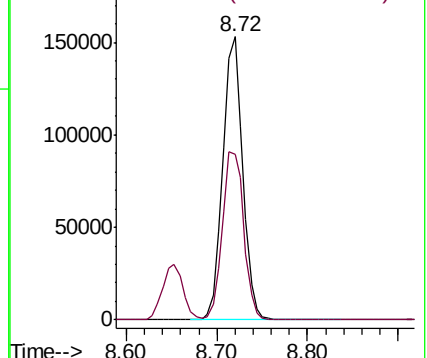
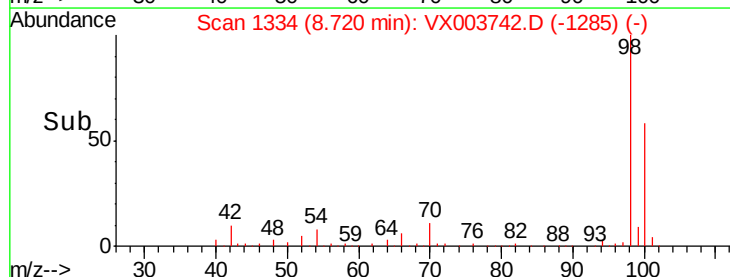
98 100

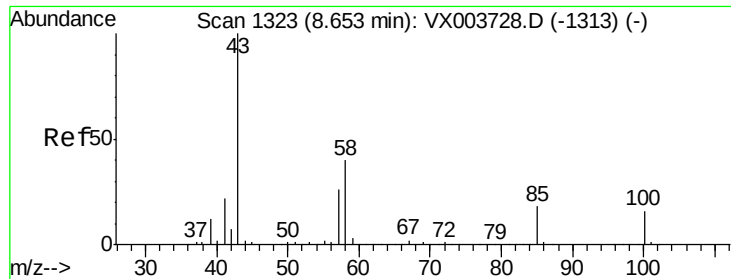
100 64.1 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

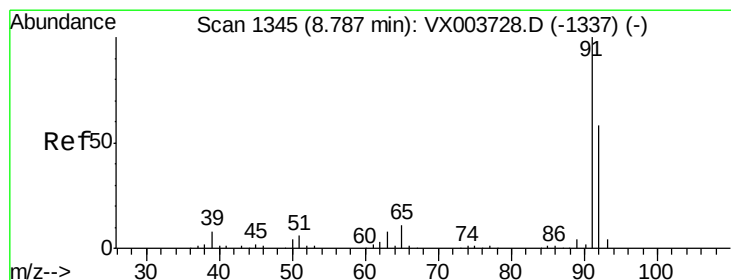
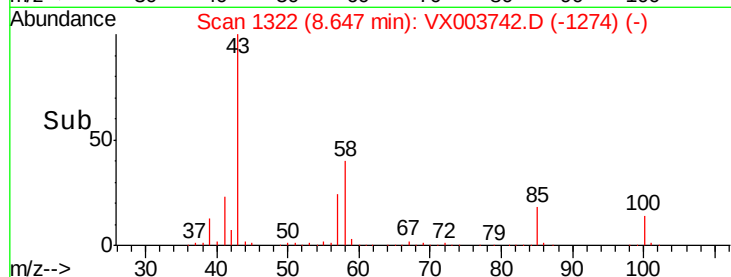
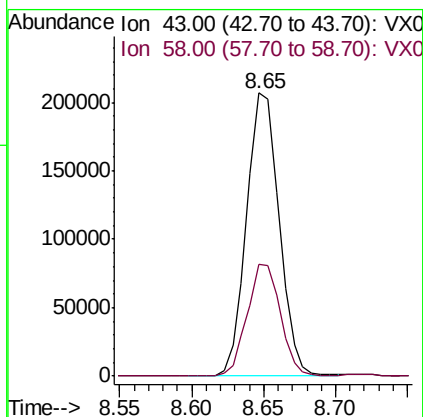
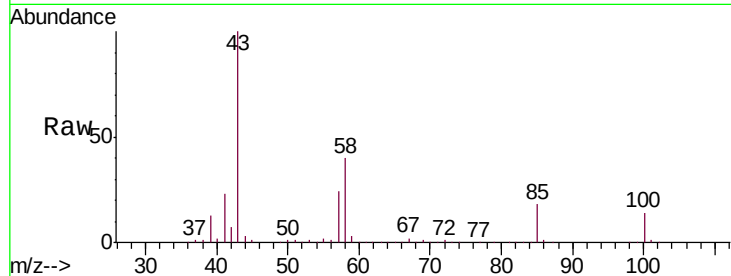




#51
4-Methyl-2-Pentanone
Concen: 269.487 ug/l
RT: 8.65 min Scan# 1322
Delta R.T. -0.01 min
Lab File: VX003742.D
Acq: 31 Jul 2018 00:23

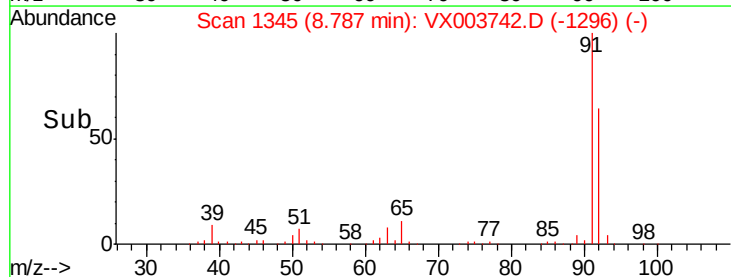
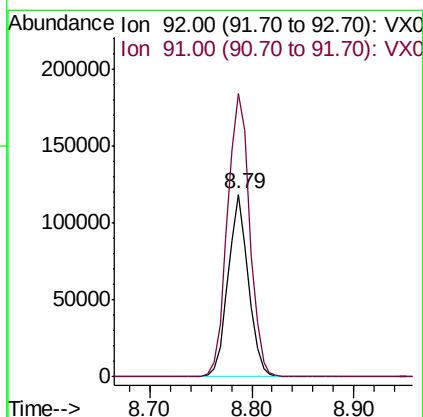
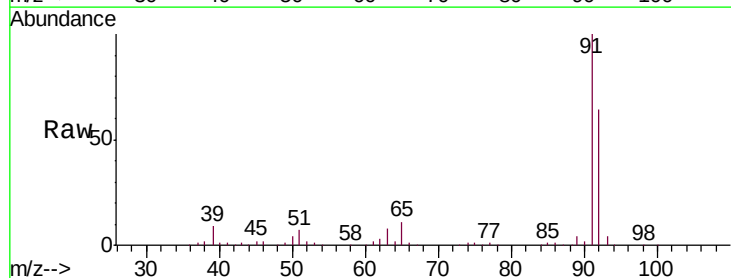
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

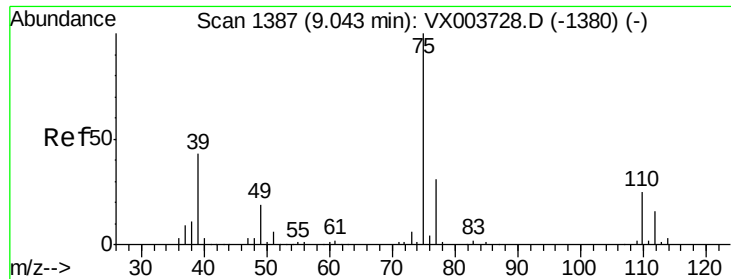
Tgt Ion: 43 Resp: 324905
Ion Ratio Lower Upper
43 100
58 40.1 32.1 48.1



#52
Toluene
Concen: 56.677 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. 0.00 min
Lab File: VX003742.D
Acq: 31 Jul 2018 00:23

Tgt Ion: 92 Resp: 162396
Ion Ratio Lower Upper
92 100
91 170.7 139.4 209.2

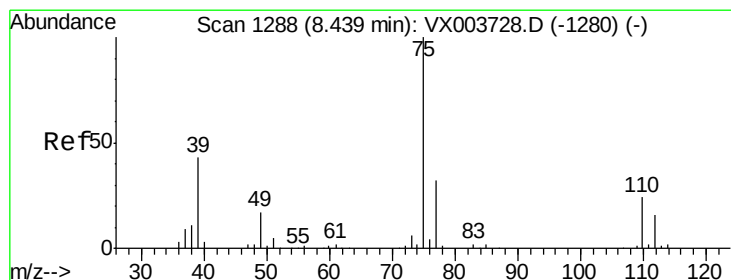
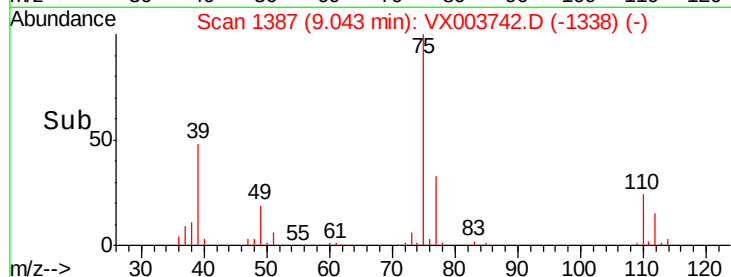
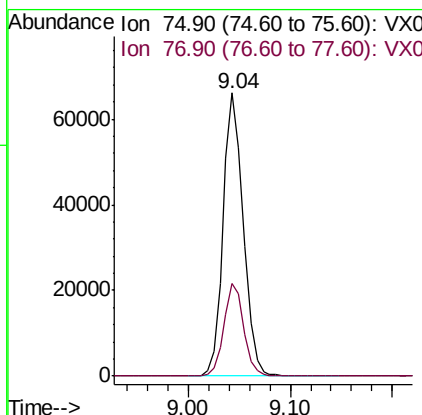
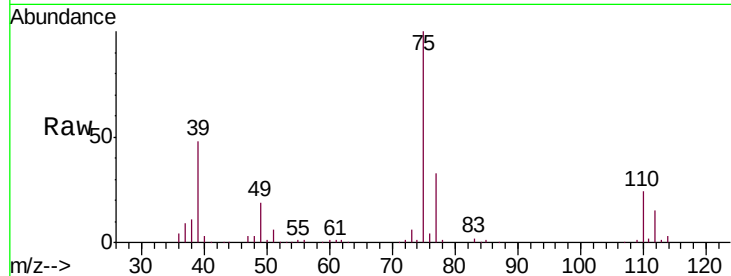




#53
 t-1,3-Dichloropropene
 Concen: 61.274 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. 0.00 min
 Lab File: VX003742.D
 Acq: 31 Jul 2018 00:23

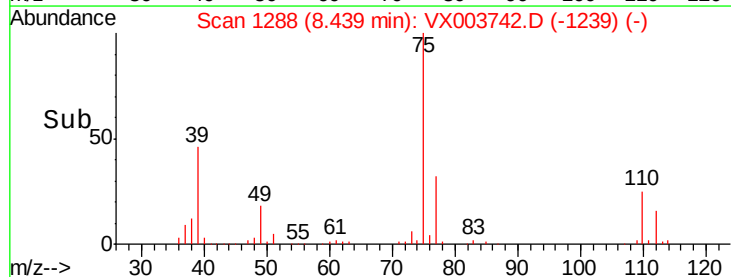
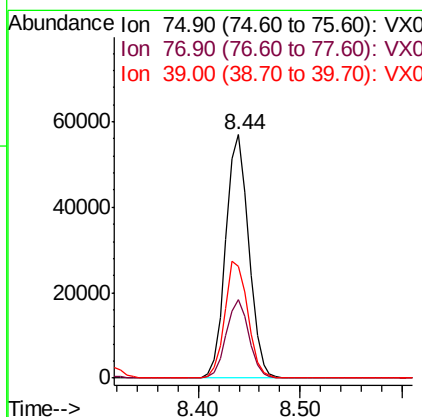
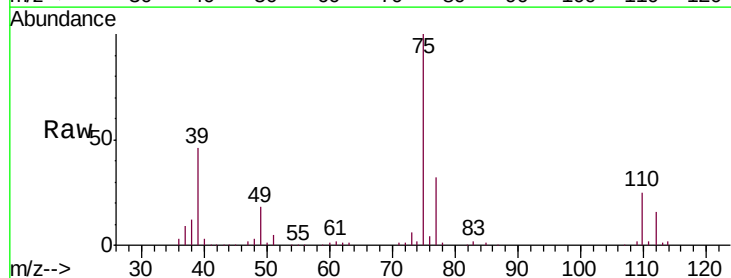
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

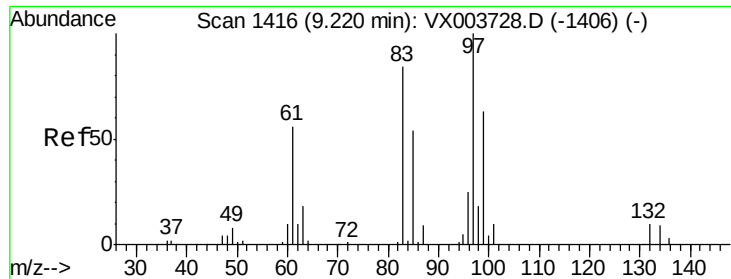
Tgt Ion: 75 Resp: 90781
 Ion Ratio Lower Upper
 75 100
 77 32.7 24.9 37.3



#54
 cis-1,3-Dichloropropene
 Concen: 53.804 ug/l
 RT: 8.44 min Scan# 1288
 Delta R.T. 0.00 min
 Lab File: VX003742.D
 Acq: 31 Jul 2018 00:23

Tgt Ion: 75 Resp: 88854
 Ion Ratio Lower Upper
 75 100
 77 32.5 25.3 37.9
 39 45.9 34.1 51.1

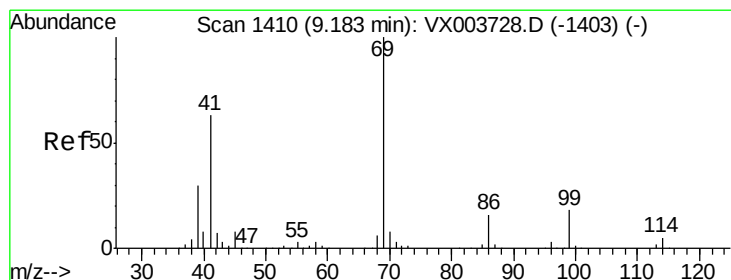
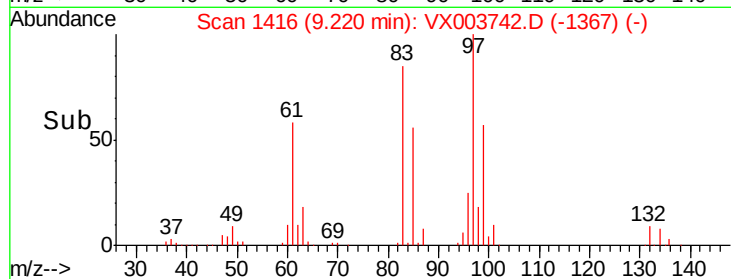
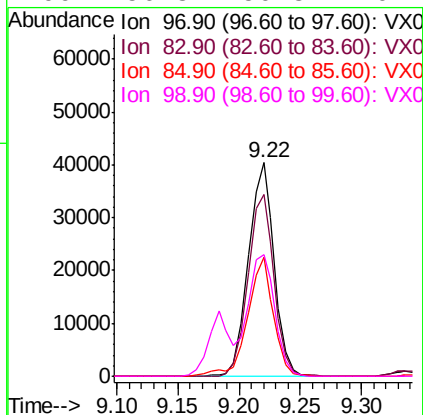
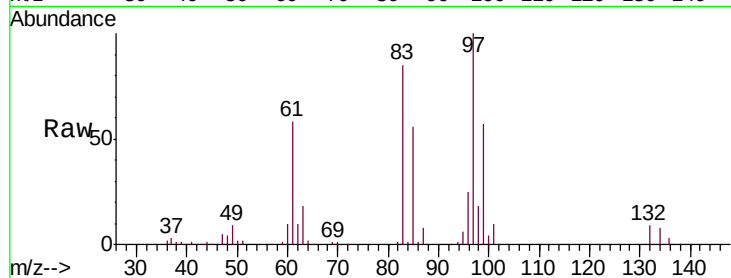




#55
 1,1,2-Trichloroethane
 Concen: 59.942 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003742.D
 Acq: 31 Jul 2018 00:23

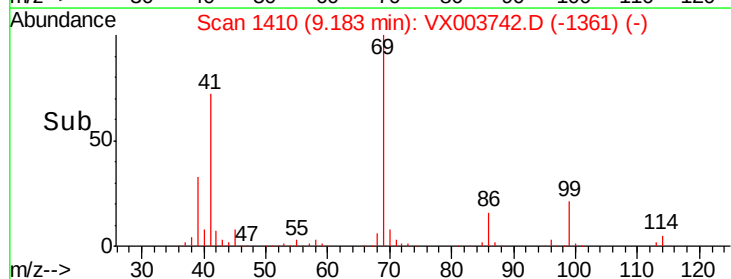
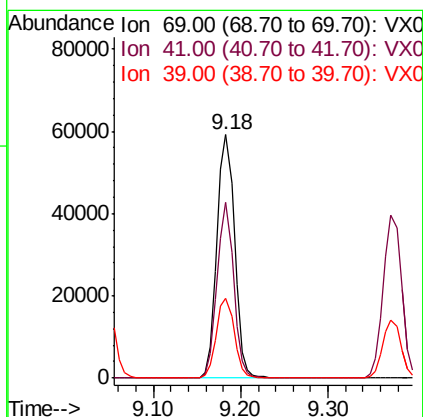
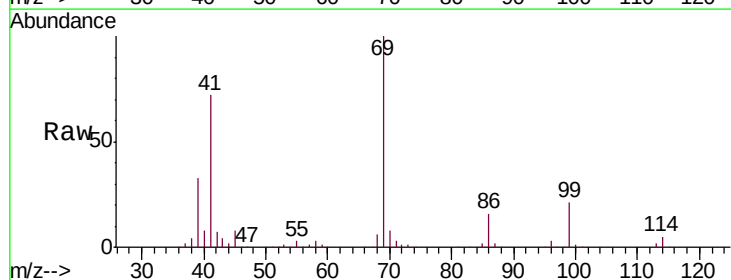
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

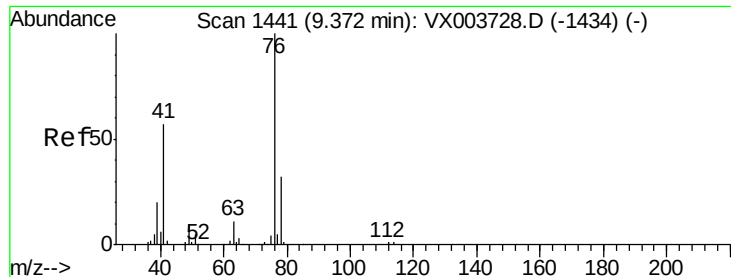
Tgt Ion:	97	Resp:	59110
Ion	Ratio	Lower	Upper
97	100		
83	85.4	67.4	101.0
85	55.7	43.3	64.9
99	56.8	50.8	76.2



#56
 Ethyl methacrylate
 Concen: 61.145 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX003742.D
 Acq: 31 Jul 2018 00:23

Tgt Ion:	69	Resp:	82824
Ion	Ratio	Lower	Upper
69	100		
41	67.9	51.6	77.4
39	33.2	25.1	37.7

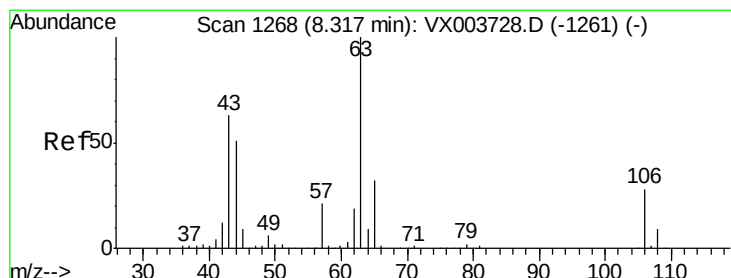
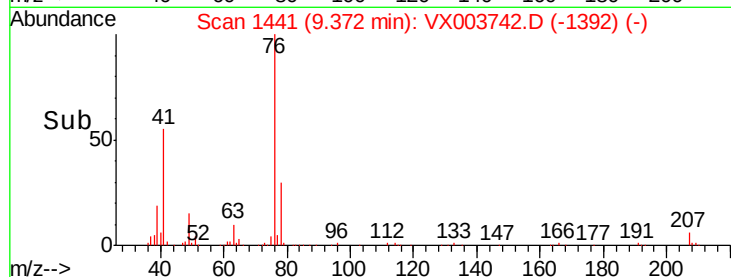
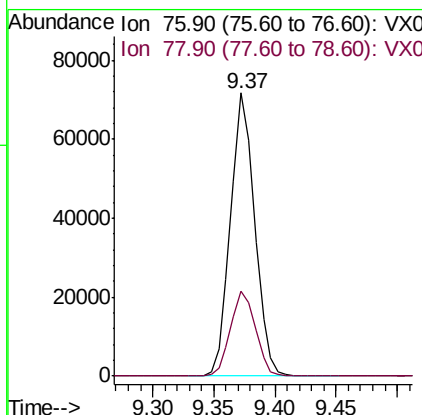
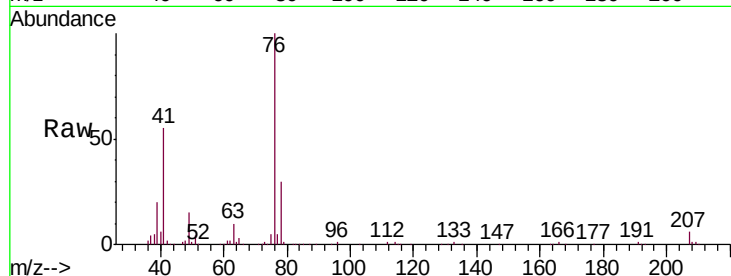




#57
 1,3-Dichloropropane
 Concen: 59.428 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VX003742.D
 Acq: 31 Jul 2018 00:23

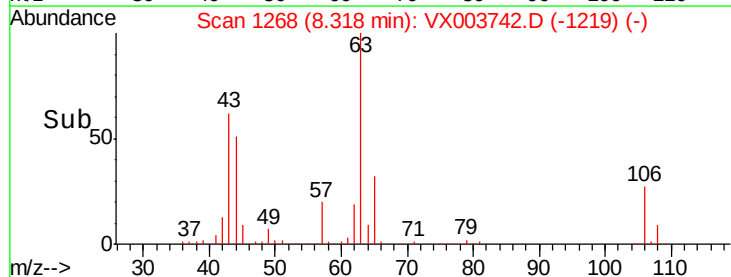
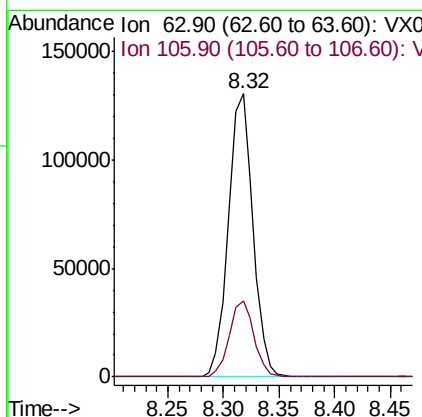
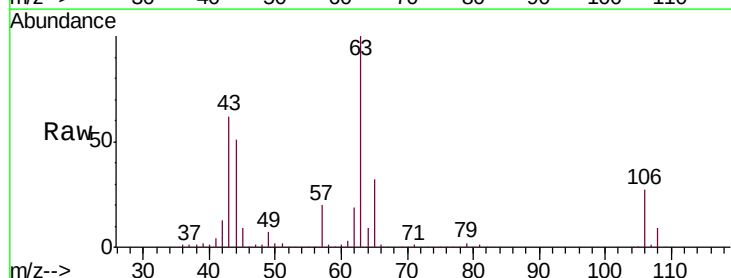
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

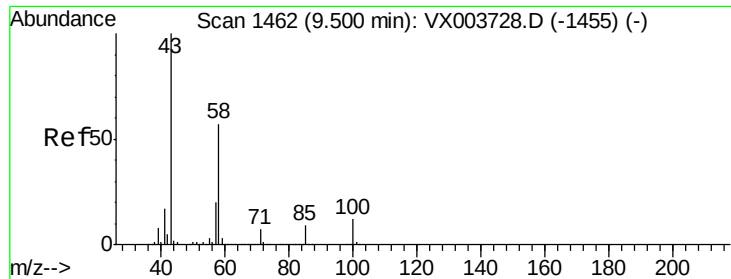
Tgt Ion: 76 Resp: 98375
 Ion Ratio Lower Upper
 76 100
 78 30.8 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 273.326 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VX003742.D
 Acq: 31 Jul 2018 00:23

Tgt Ion: 63 Resp: 198742
 Ion Ratio Lower Upper
 63 100
 106 27.0 22.5 33.7

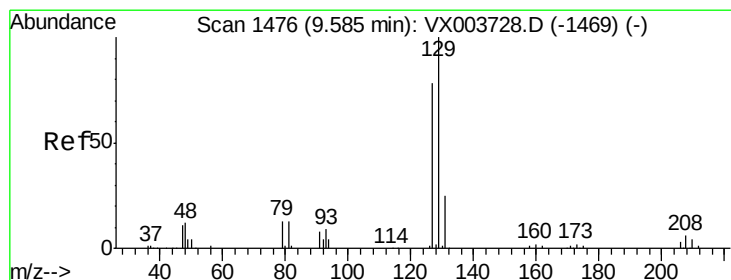
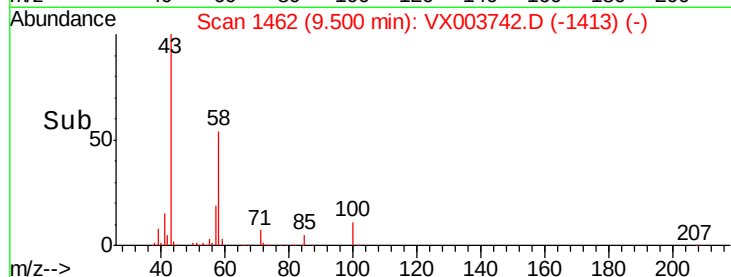
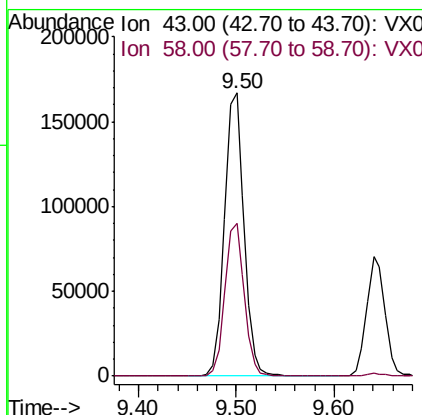
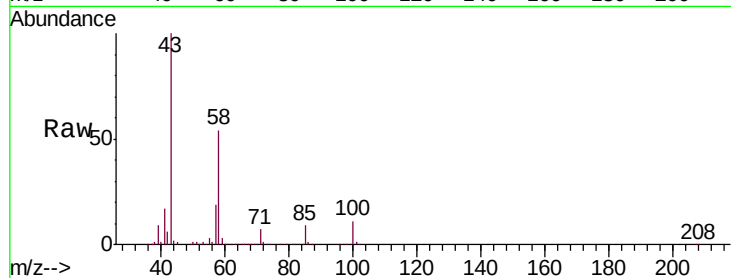




#59
2-Hexanone
Concen: 251.166 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003742.D
Acq: 31 Jul 2018 00:23

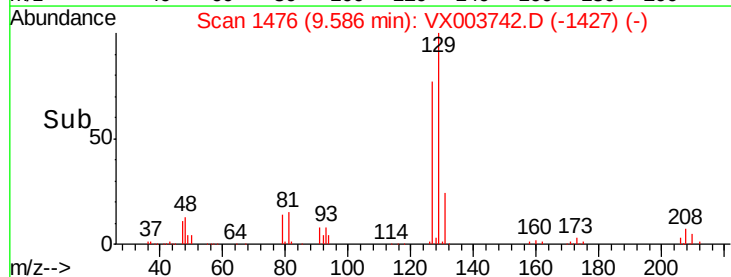
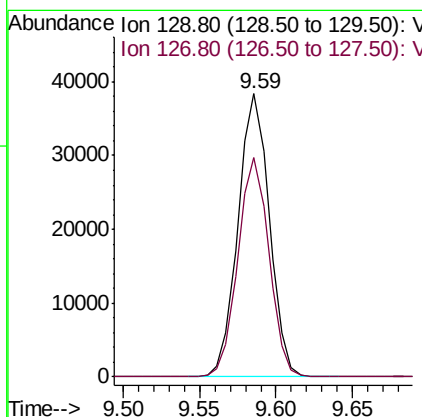
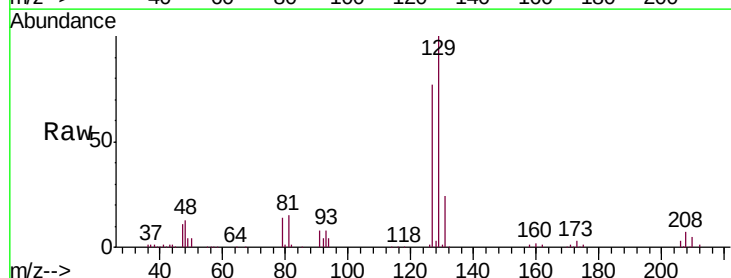
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

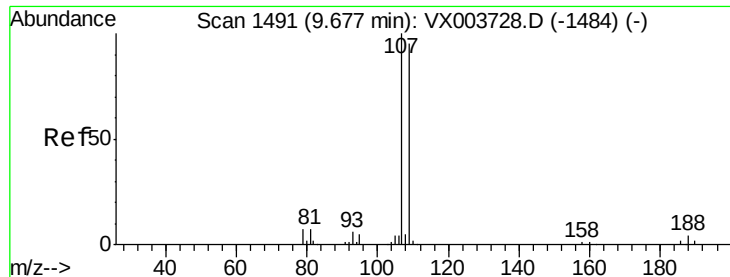
Tgt Ion: 43 Resp: 230692
Ion Ratio Lower Upper
43 100
58 53.8 28.0 83.9



#60
Dibromochloromethane
Concen: 54.924 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003742.D
Acq: 31 Jul 2018 00:23

Tgt Ion: 129 Resp: 54546
Ion Ratio Lower Upper
129 100
127 77.0 38.8 116.4





#61

1,2-Dibromoethane

Concen: 53.679 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003742.D

Acq: 31 Jul 2018 00:23

Instrument :

MSVOA_X

ClientSampleId :

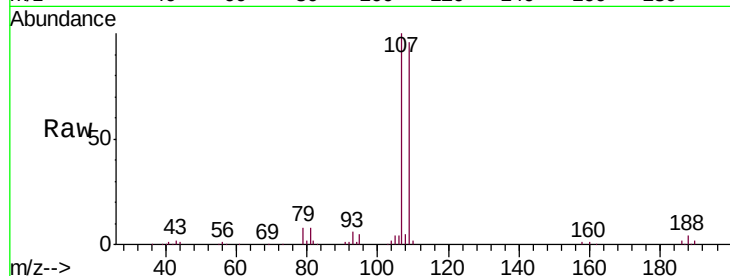
VSTDCCC050EC

Tgt Ion: 107 Resp: 54046

Ion Ratio Lower Upper

107 100

109 93.5 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

40000

30000

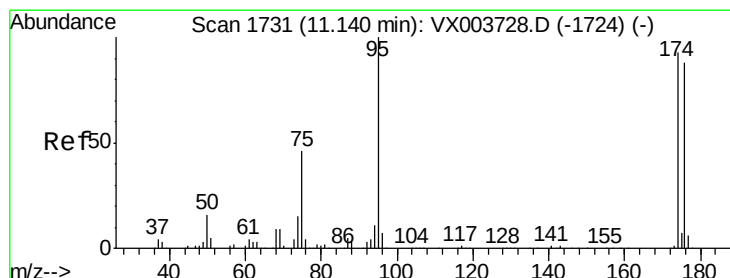
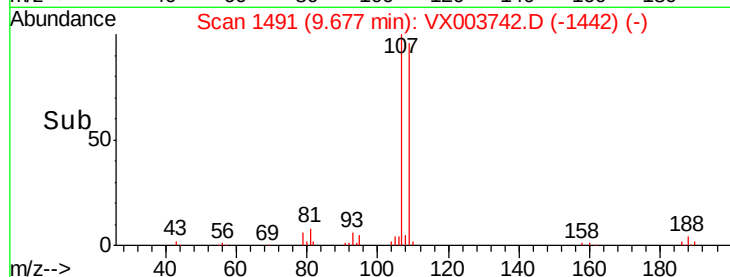
20000

10000

0

Time-->

9.60 9.65 9.70 9.75



#62

4-Bromofluorobenzene

Concen: 51.653 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003742.D

Acq: 31 Jul 2018 00:23

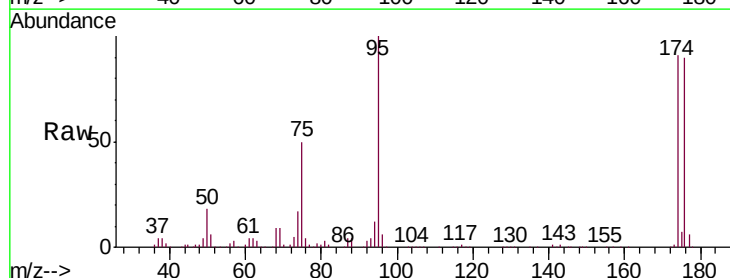
Tgt Ion: 95 Resp: 80025

Ion Ratio Lower Upper

95 100

174 91.5 0.0 186.2

176 88.4 0.0 179.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

80000

60000

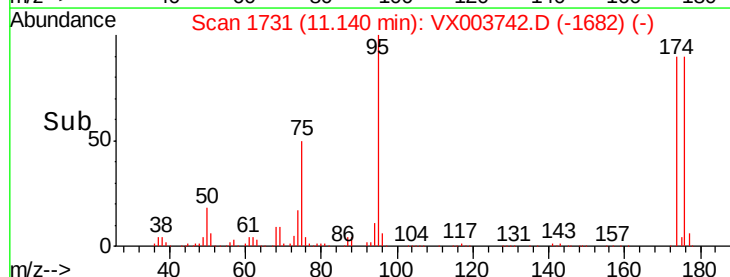
40000

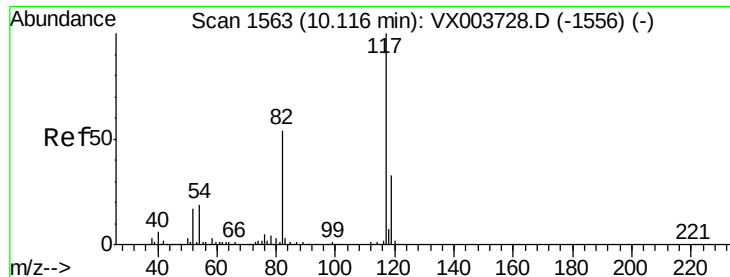
20000

0

Time-->

11.05 11.10 11.15 11.20

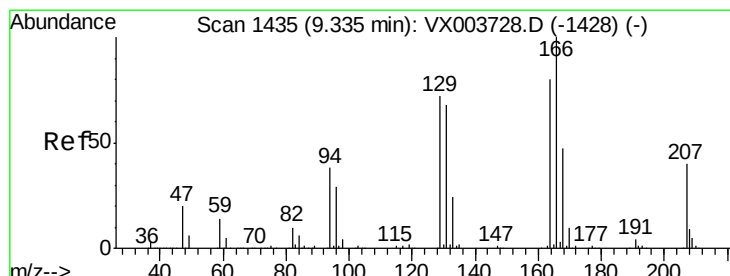
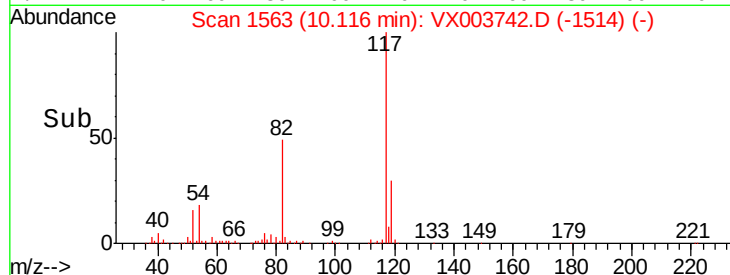
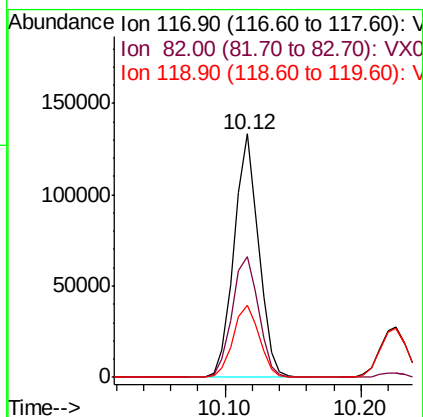
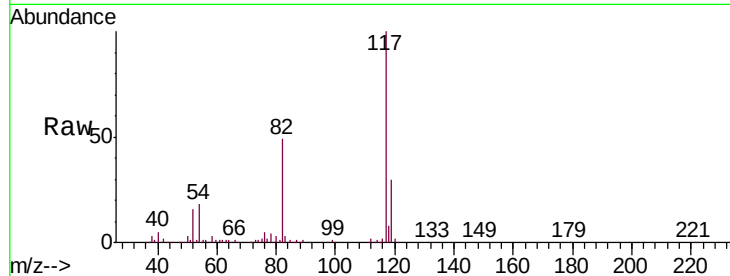




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003742.D
Acq: 31 Jul 2018 00:23

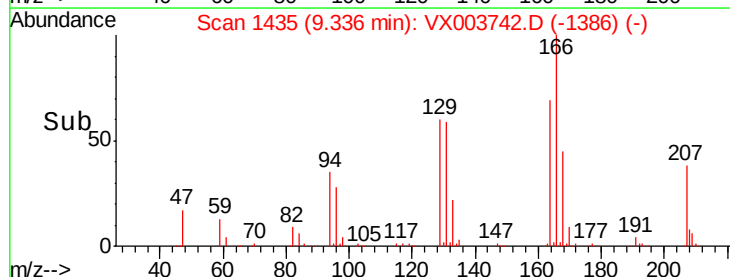
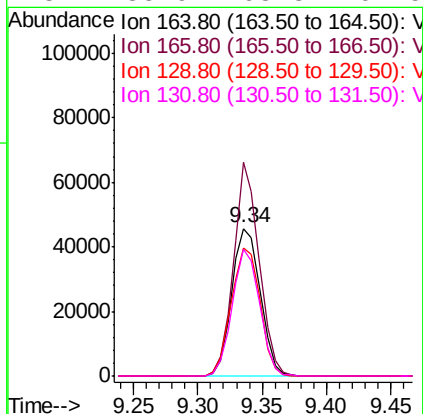
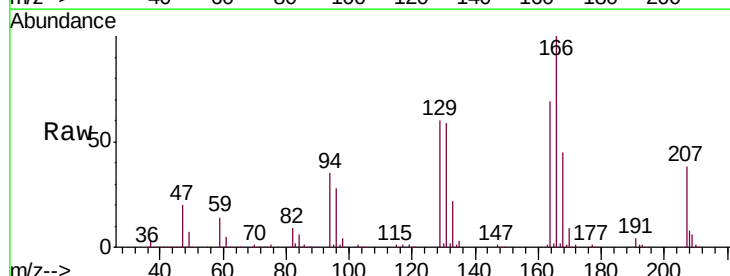
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

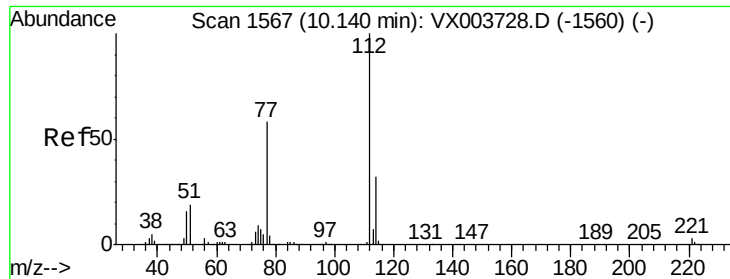
Tgt Ion:117 Resp: 167198
Ion Ratio Lower Upper
117 100
82 49.4 43.2 64.8
119 29.7 26.3 39.5



#64
Tetrachloroethene
Concen: 53.728 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VX003742.D
Acq: 31 Jul 2018 00:23

Tgt Ion:164 Resp: 70610
Ion Ratio Lower Upper
164 100
166 145.0 100.4 150.6
129 86.9 71.8 107.8
131 85.9 68.3 102.5





#65

Chlorobenzene

Concen: 47.067 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VX003742.D

Acq: 31 Jul 2018 00:23

Instrument :

MSVOA_X

ClientSampleId :

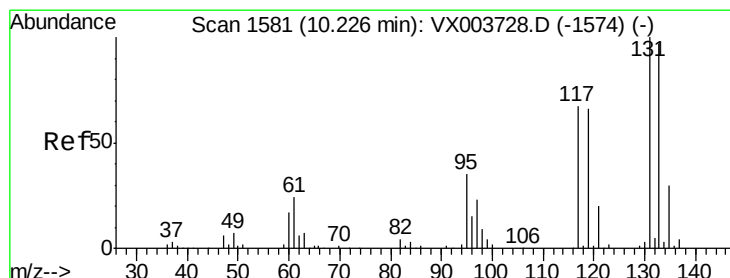
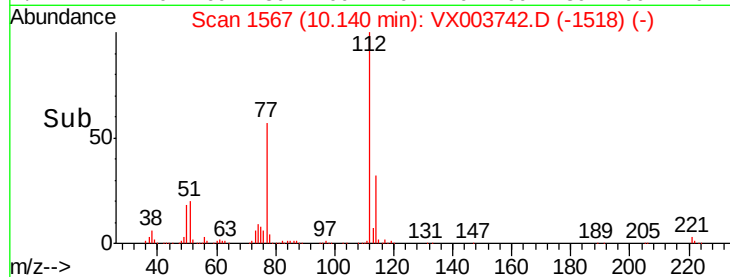
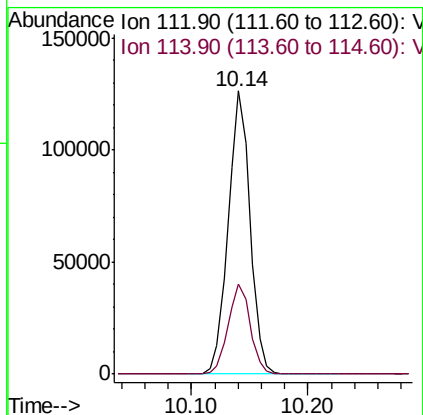
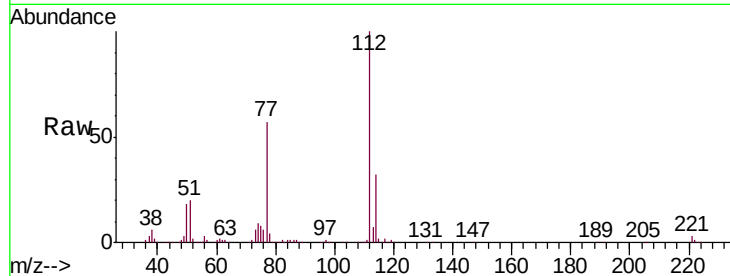
VSTDCCC050EC

Tgt Ion:112 Resp: 164447

Ion Ratio Lower Upper

112 100

114 31.6 25.7 38.5



#66

1,1,1,2-Tetrachloroethane

Concen: 49.754 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX003742.D

Acq: 31 Jul 2018 00:23

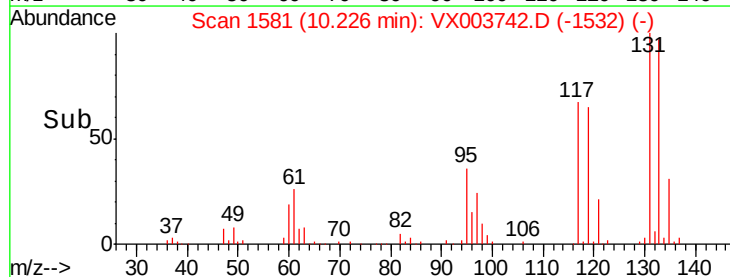
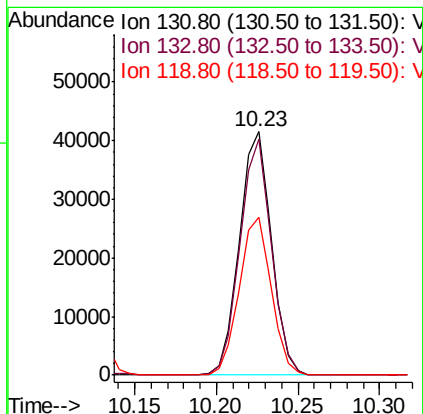
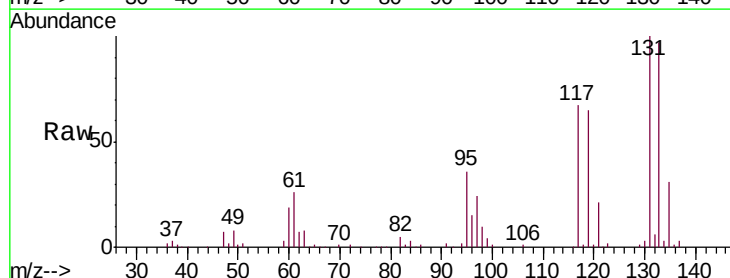
Tgt Ion:131 Resp: 56688

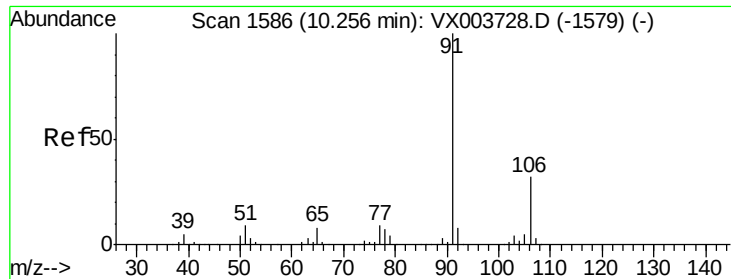
Ion Ratio Lower Upper

131 100

133 95.5 47.6 142.9

119 65.2 32.8 98.3





#67

Ethyl Benzene

Concen: 46.380 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX003742.D

Acq: 31 Jul 2018 00:23

Instrument :

MSVOA_X

ClientSampleId :

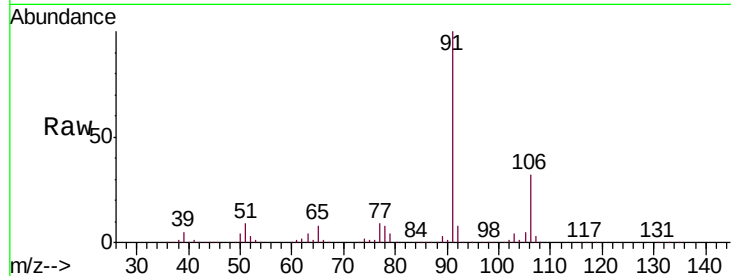
VSTDCCC050EC

Tgt Ion: 91 Resp: 273622

Ion Ratio Lower Upper

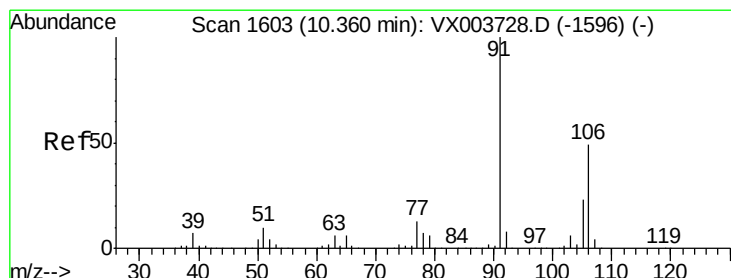
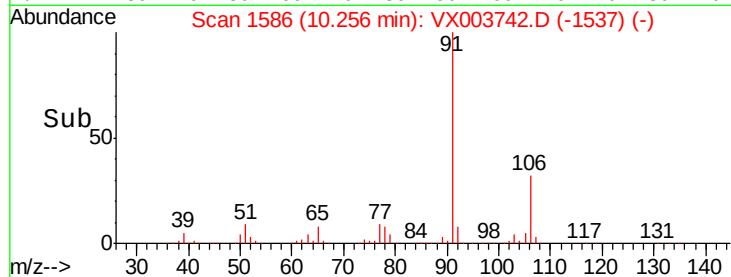
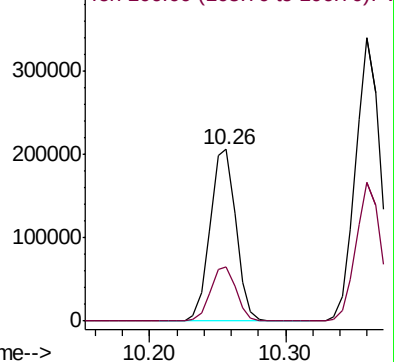
91 100

106 31.8 25.4 38.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 92.607 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VX003742.D

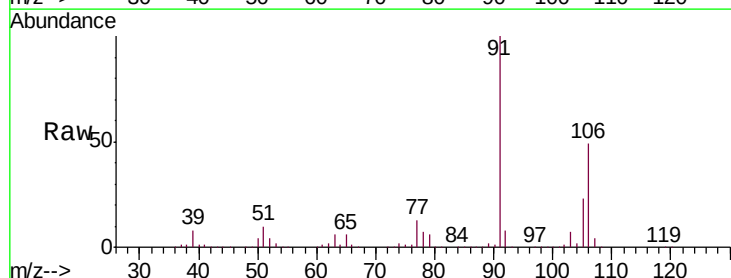
Acq: 31 Jul 2018 00:23

Tgt Ion: 106 Resp: 213719

Ion Ratio Lower Upper

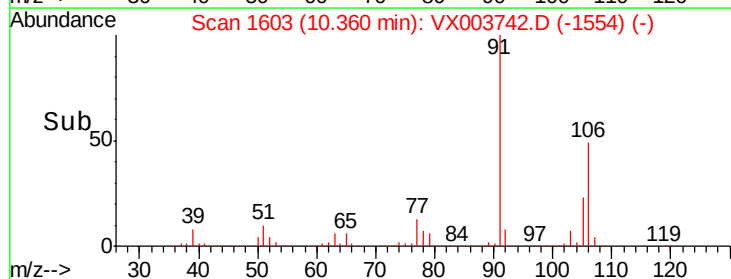
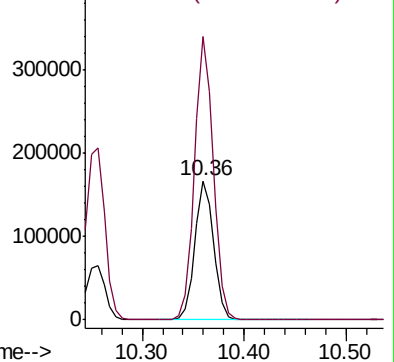
106 100

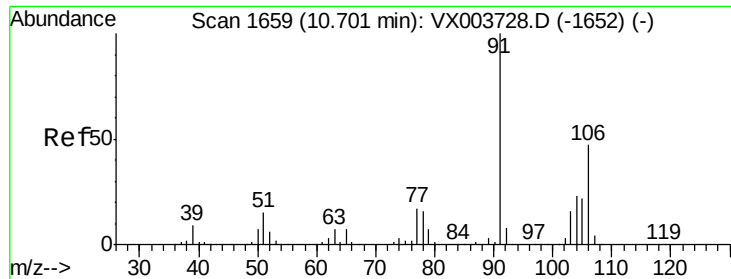
91 203.2 159.8 239.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

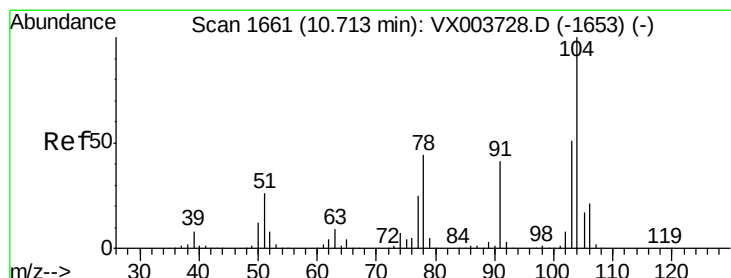
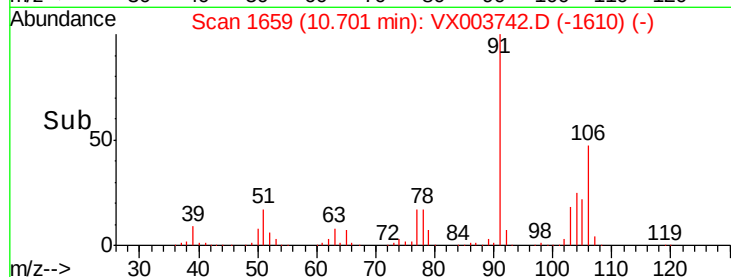
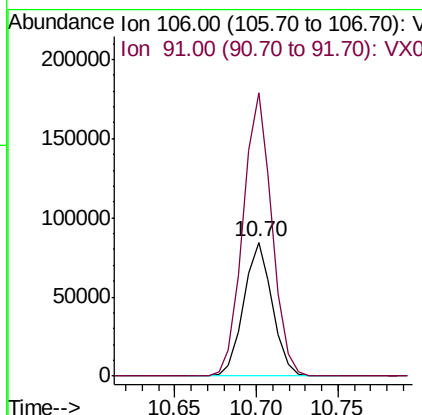
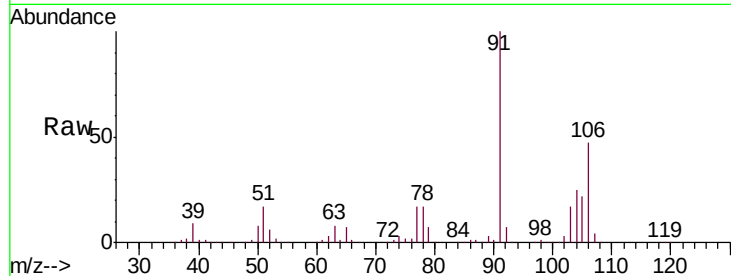




#69
o-Xylene
Concen: 48.037 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003742.D
Acq: 31 Jul 2018 00:23

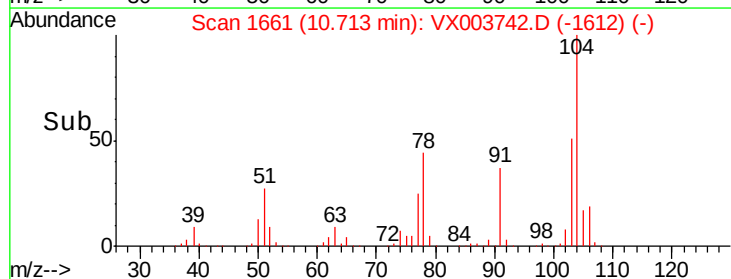
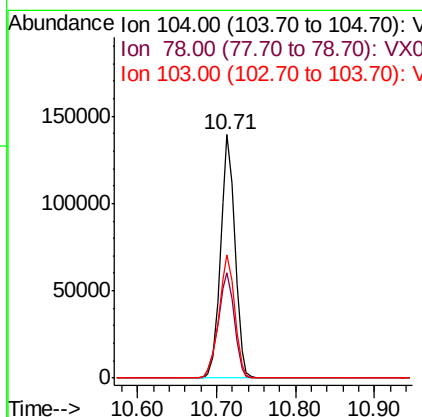
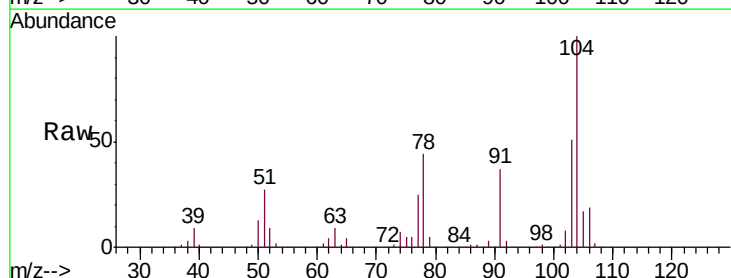
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

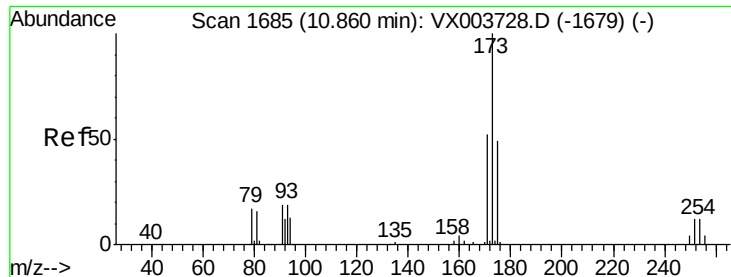
Tgt Ion:106 Resp: 102939
Ion Ratio Lower Upper
106 100
91 213.8 105.6 316.8



#70
Styrene
Concen: 49.398 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003742.D
Acq: 31 Jul 2018 00:23

Tgt Ion:104 Resp: 178087
Ion Ratio Lower Upper
104 100
78 48.8 38.2 57.2
103 55.5 44.5 66.7





#71

Bromoform

Concen: 48.276 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX003742.D

Acq: 31 Jul 2018 00:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

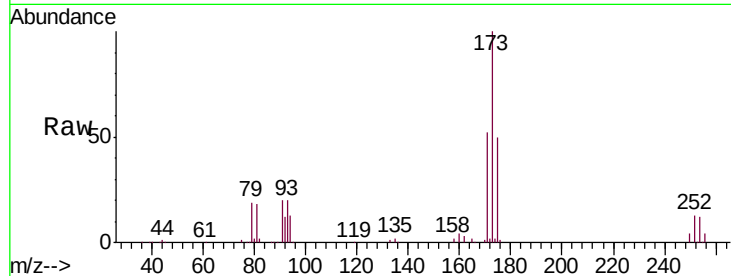
Tgt Ion:173 Resp: 37820

Ion Ratio Lower Upper

173 100

175 49.9 24.9 74.6

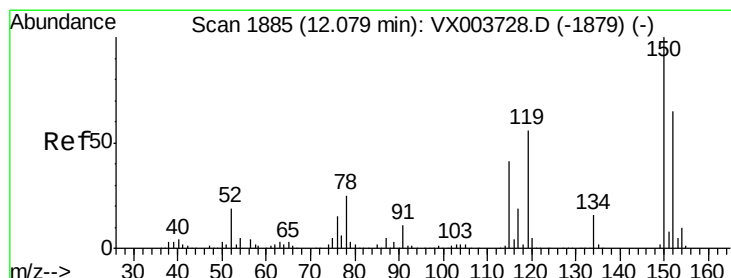
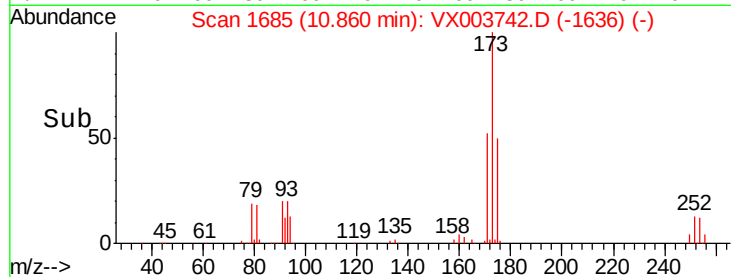
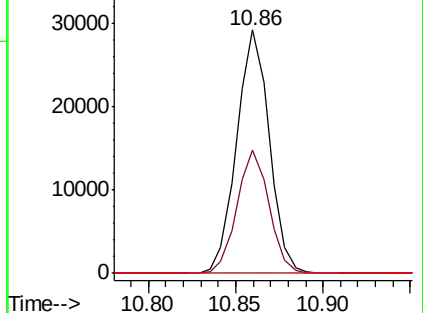
254 0.1 0.0 0.0#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003742.D

Acq: 31 Jul 2018 00:23

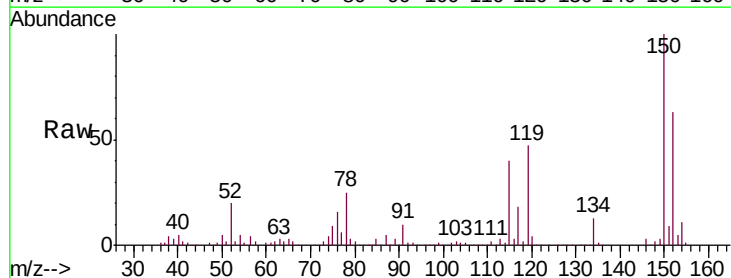
Tgt Ion:152 Resp: 92767

Ion Ratio Lower Upper

152 100

115 76.3 38.5 115.3

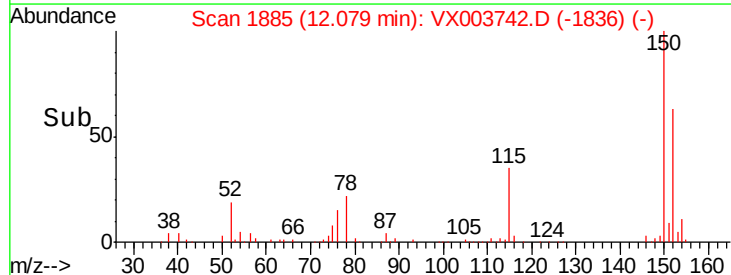
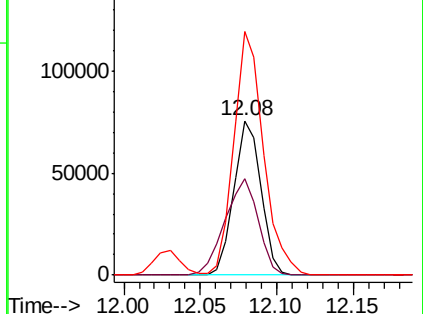
150 172.7 0.0 346.2

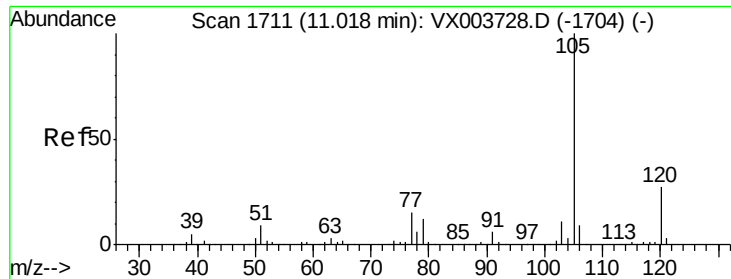


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 46.878 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. 0.00 min

Lab File: VX003742.D

Acq: 31 Jul 2018 00:23

Instrument :

MSVOA_X

ClientSampleId :

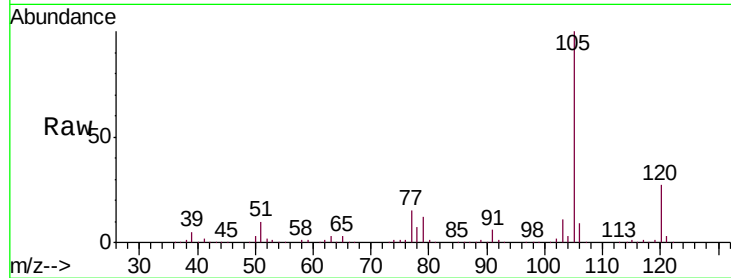
VSTDCCC050EC

Tgt Ion:105 Resp: 272244

Ion Ratio Lower Upper

105 100

120 26.4 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

50000

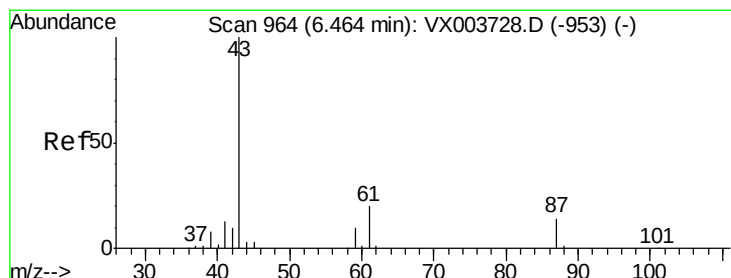
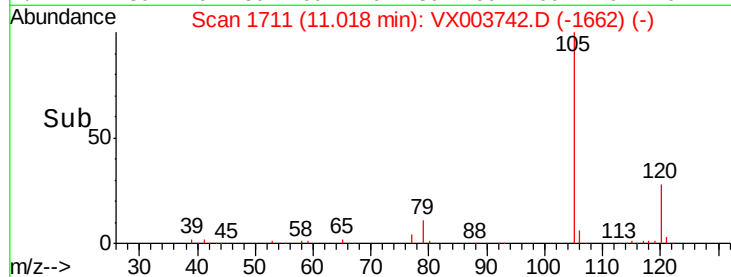
0

11.02

11.00

11.10

Time-->



#74

N-ethyl acetate

Concen: 50.097 ug/l

RT: 6.46 min Scan# 963

Delta R.T. -0.01 min

Lab File: VX003742.D

Acq: 31 Jul 2018 00:23

Tgt Ion: 43 Resp: 103123

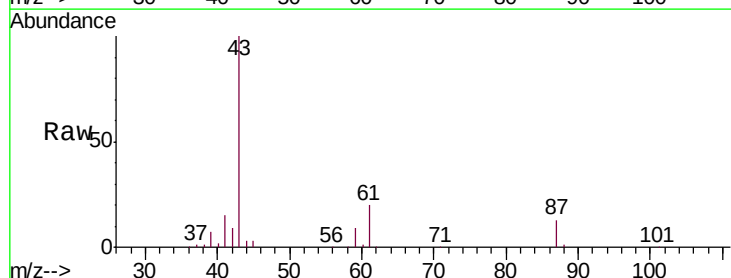
Ion Ratio Lower Upper

43 100

70 0.0 31.0 46.6#

55 0.0 18.9 28.3#

61 20.1 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

60000

50000

40000

30000

20000

10000

0

6.46

6.30

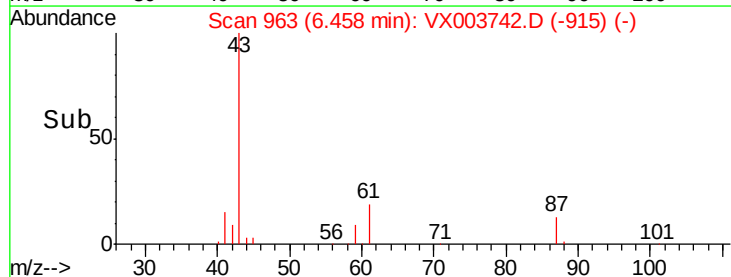
6.40

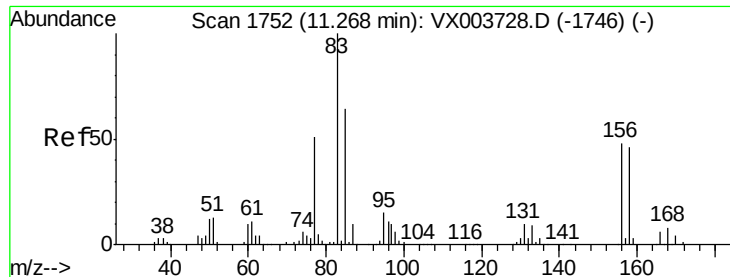
6.50

6.60

6.70

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 48.559 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. 0.00 min

Lab File: VX003742.D

Acq: 31 Jul 2018 00:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

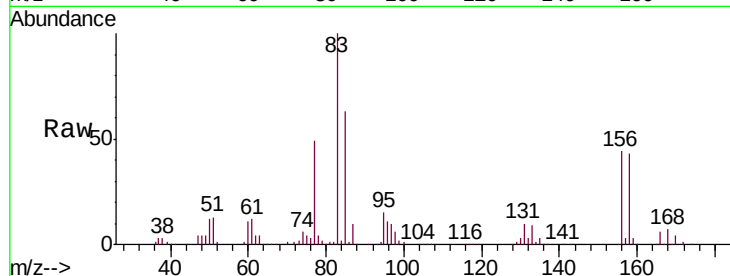
Tgt Ion: 83 Resp: 73316

Ion Ratio Lower Upper

83 100

131 10.3 5.3 15.9

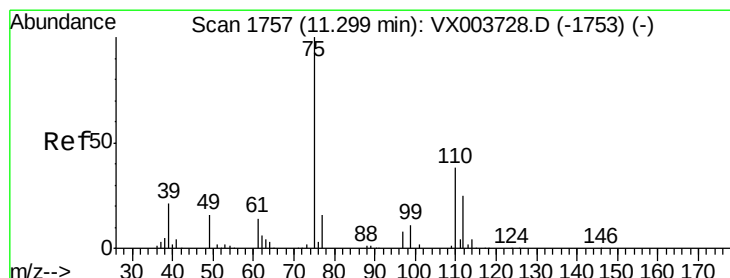
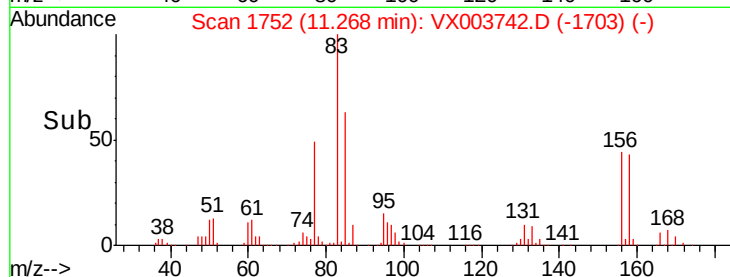
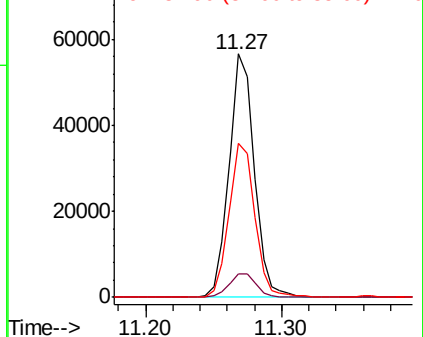
85 64.9 32.0 96.2



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 63.334 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VX003742.D

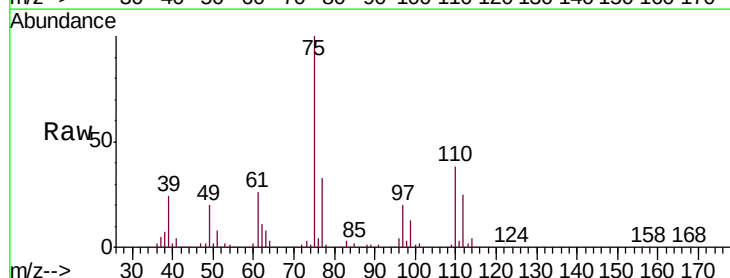
Acq: 31 Jul 2018 00:23

Tgt Ion: 75 Resp: 80983

Ion Ratio Lower Upper

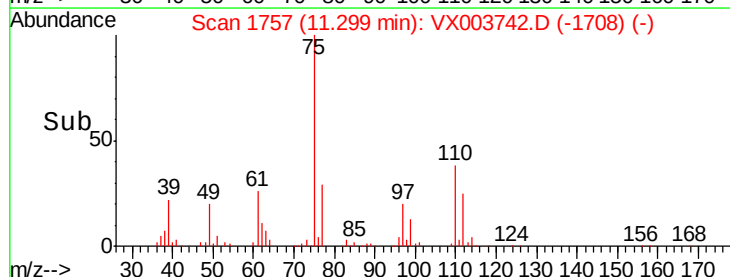
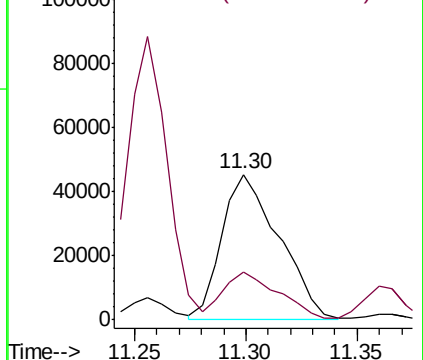
75 100

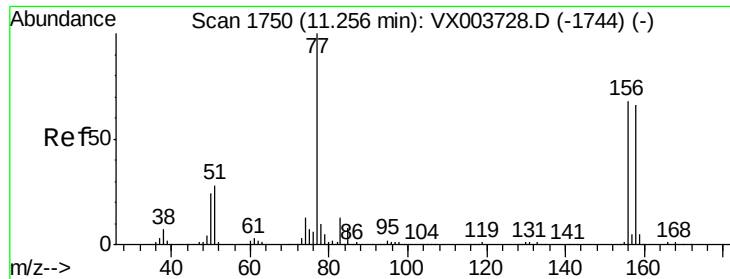
77 31.8 21.6 65.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 49.312 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003742.D

Acq: 31 Jul 2018 00:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

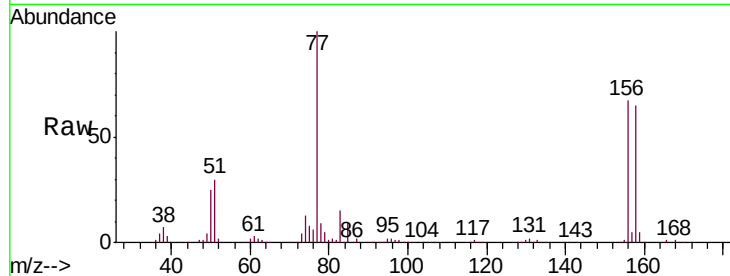
Tgt Ion:156 Resp: 74662

Ion Ratio Lower Upper

156 100

77 148.3 71.8 215.3

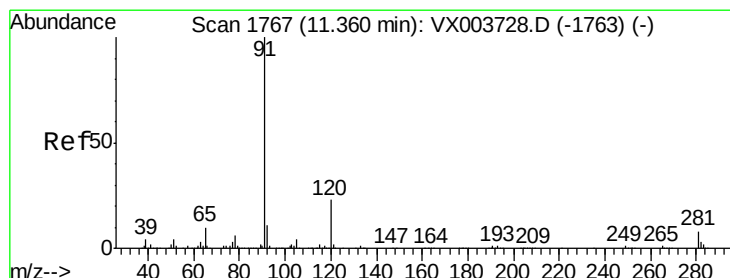
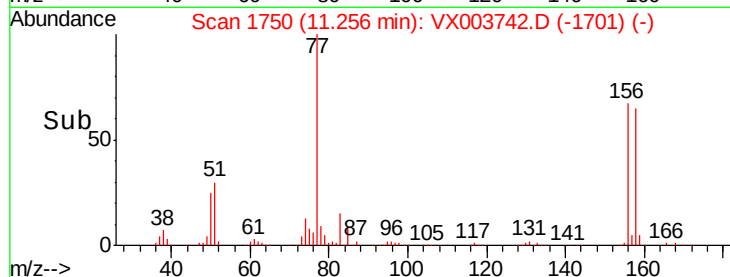
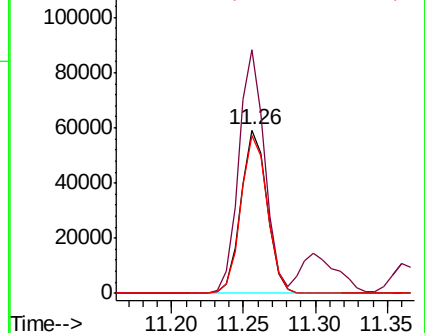
158 97.5 48.8 146.4



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: 46.509 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. 0.00 min

Lab File: VX003742.D

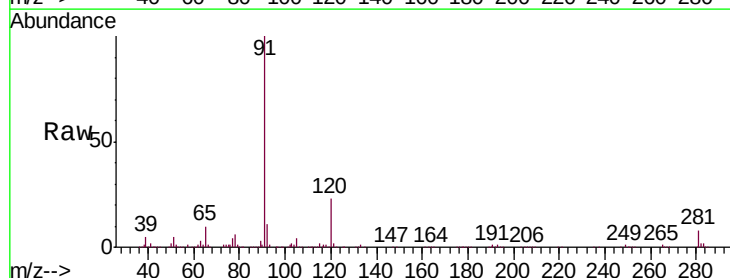
Acq: 31 Jul 2018 00:23

Tgt Ion: 91 Resp: 327221

Ion Ratio Lower Upper

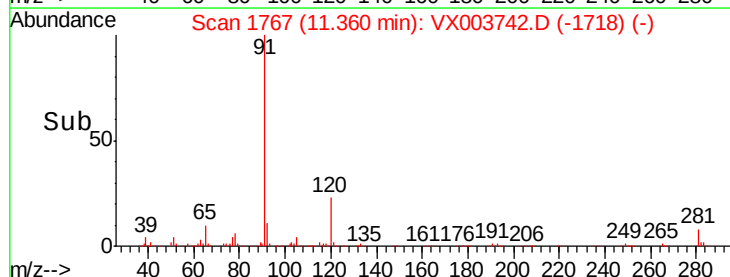
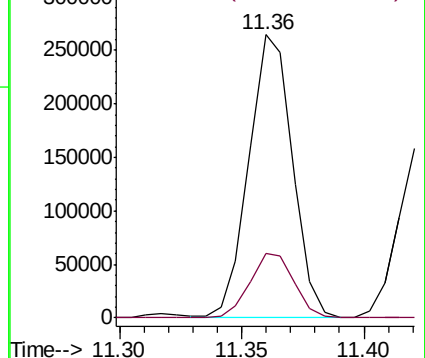
91 100

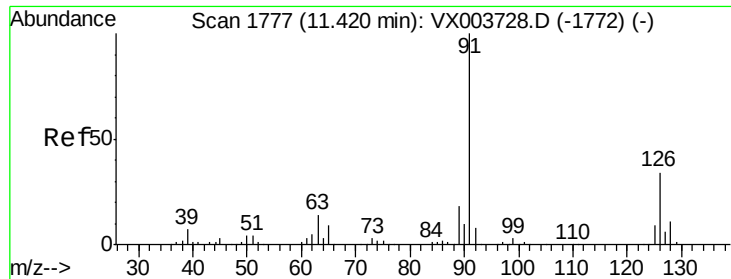
120 23.3 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

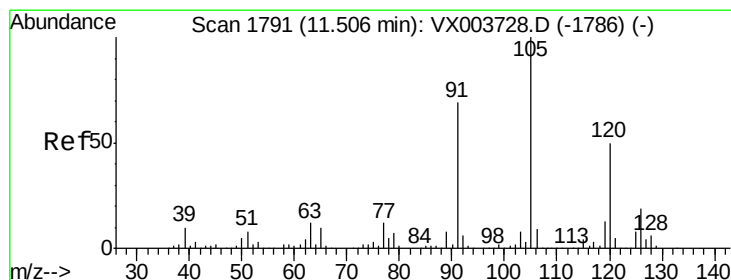
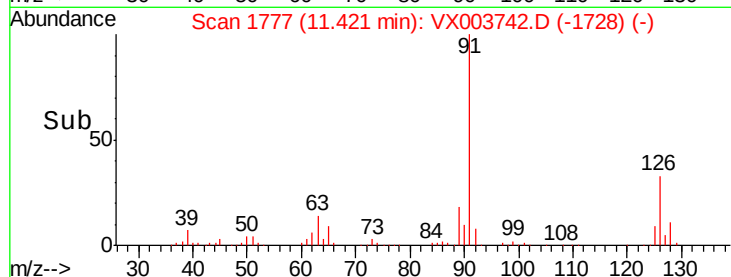
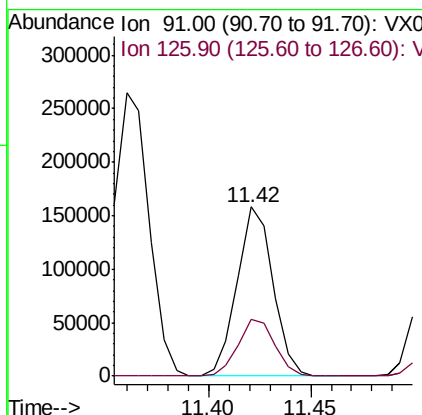
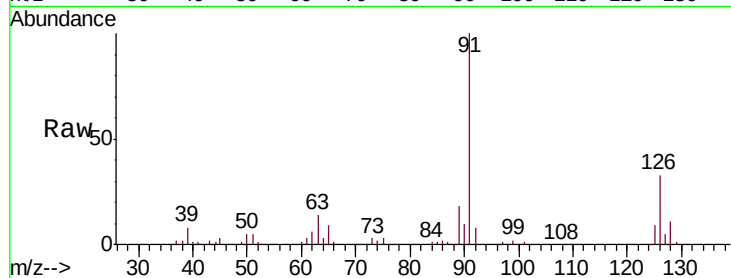




#79
 2-Chlorotoluene
 Concen: 48.270 ug/l
 RT: 11.42 min Scan# 1777
 Delta R.T. 0.00 min
 Lab File: VX003742.D
 Acq: 31 Jul 2018 00:23

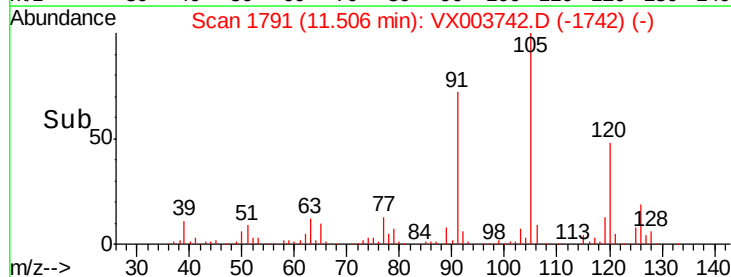
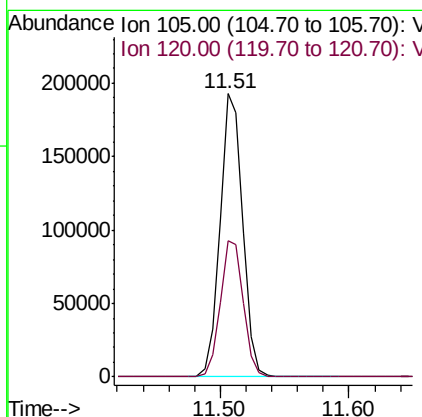
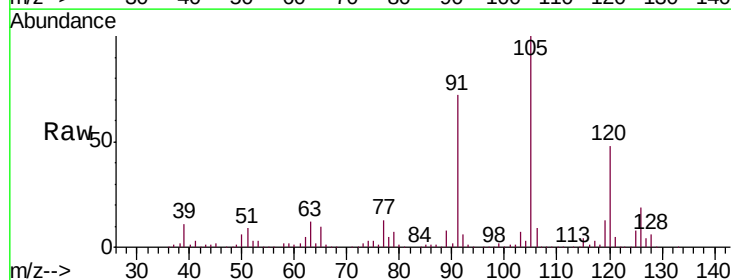
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

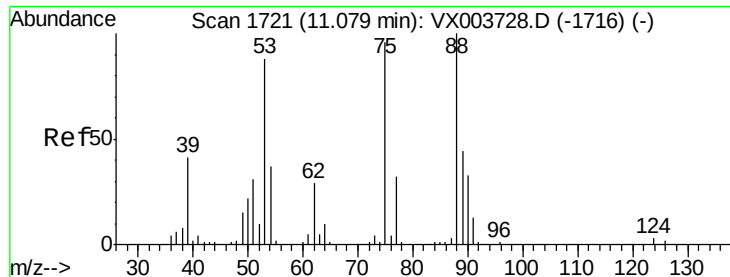
Tgt Ion: 91 Resp: 192812
 Ion Ratio Lower Upper
 91 100
 126 34.5 17.6 52.8



#80
 1,3,5-Trimethylbenzene
 Concen: 48.038 ug/l
 RT: 11.51 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX003742.D
 Acq: 31 Jul 2018 00:23

Tgt Ion: 105 Resp: 238123
 Ion Ratio Lower Upper
 105 100
 120 49.0 15.8 47.4#

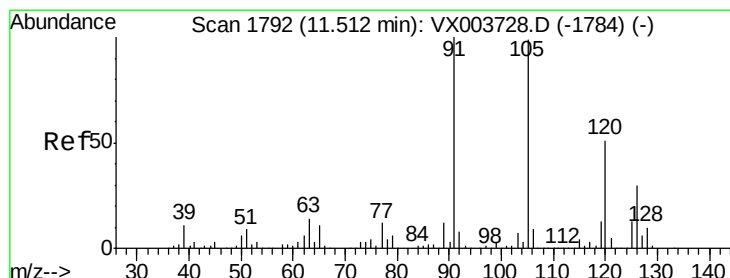
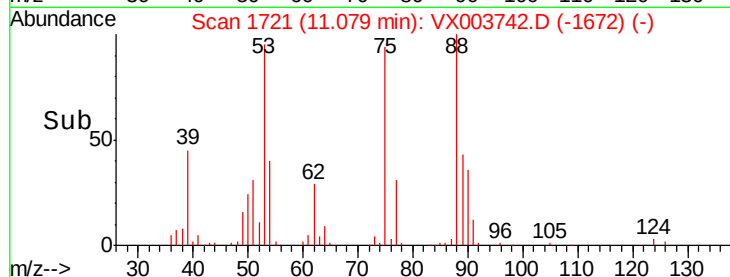
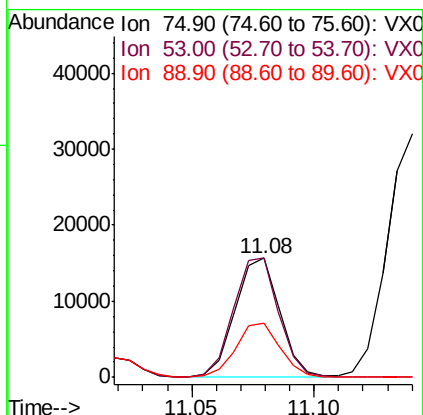
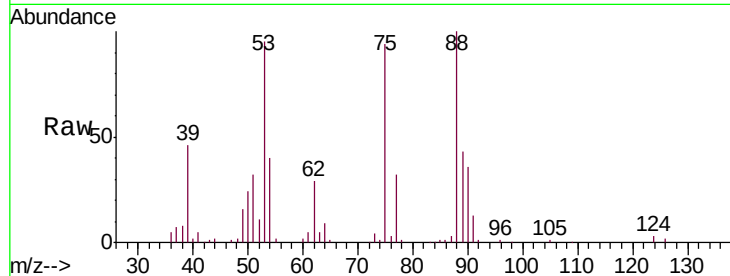




#81
trans-1,4-Dichloro-2-butene
Concen: 45.607 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX003742.D
Acq: 31 Jul 2018 00:23

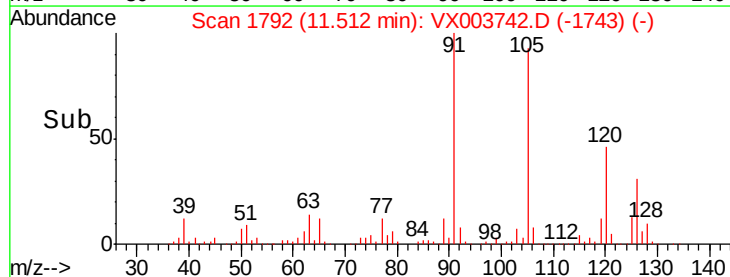
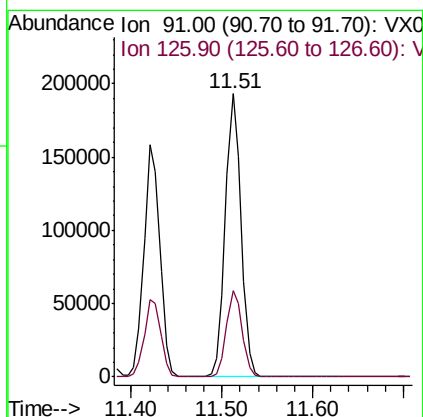
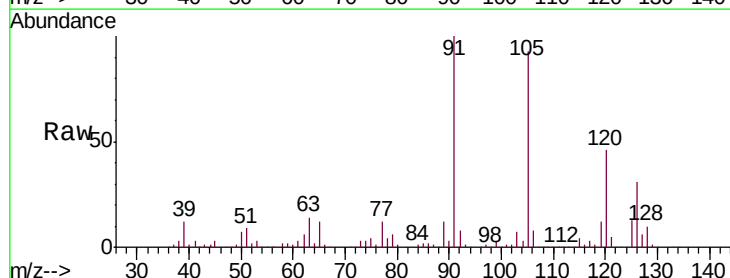
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

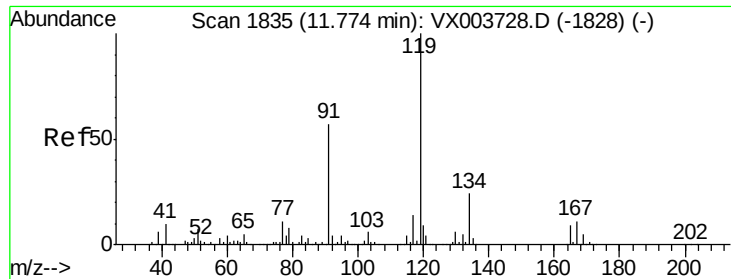
Tgt Ion: 75 Resp: 19688
Ion Ratio Lower Upper
75 100
53 102.9 75.8 113.8
89 45.9 39.1 58.7



#82
4-Chlorotoluene
Concen: 48.247 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX003742.D
Acq: 31 Jul 2018 00:23

Tgt Ion: 91 Resp: 233759
Ion Ratio Lower Upper
91 100
126 30.7 15.6 46.7

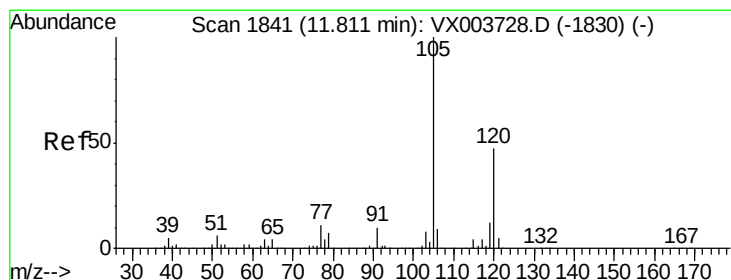
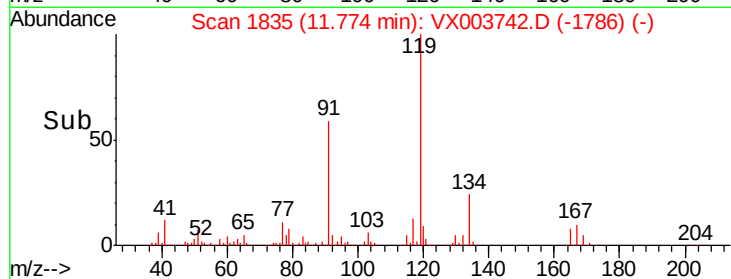
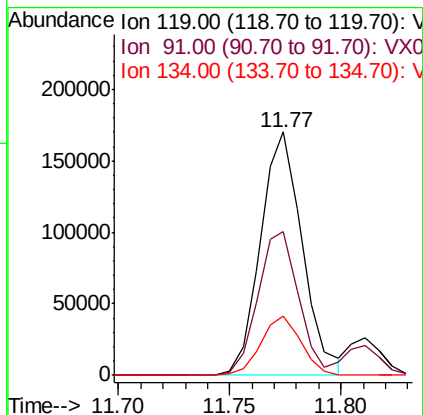
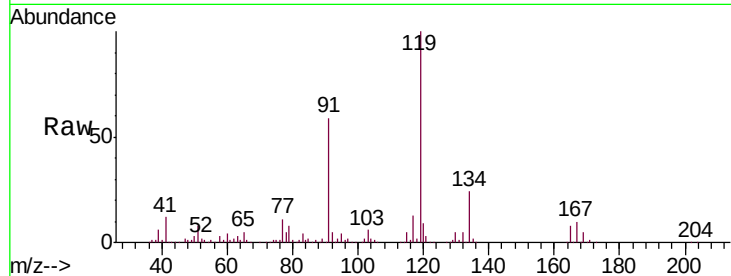




#83
 tert-Butylbenzene
 Concen: 45.326 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX003742.D
 Acq: 31 Jul 2018 00:23

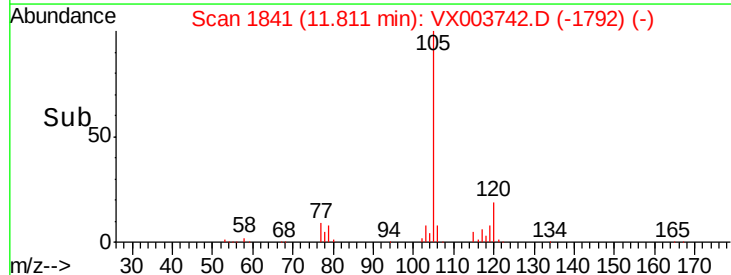
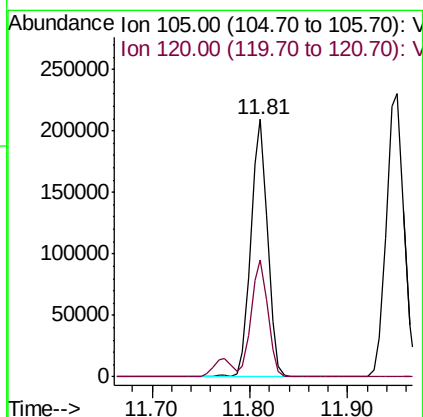
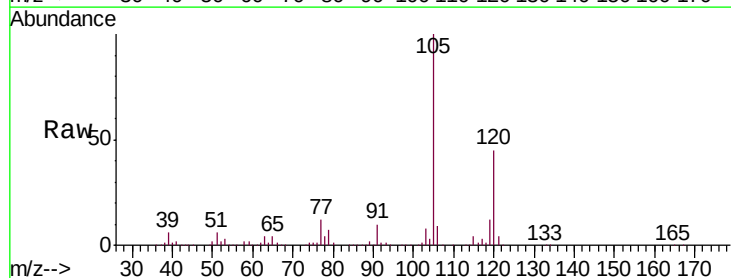
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

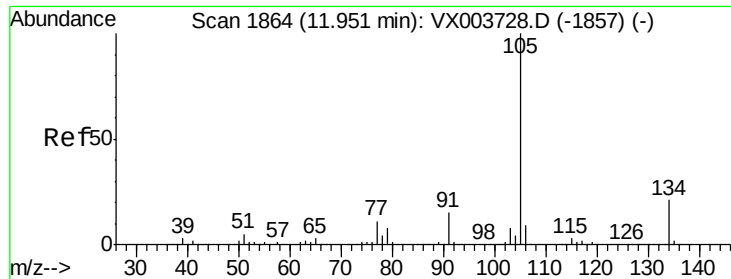
Tgt Ion:119 Resp: 222229
 Ion Ratio Lower Upper
 119 100
 91 57.6 27.2 81.6
 134 23.2 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 48.592 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003742.D
 Acq: 31 Jul 2018 00:23

Tgt Ion:105 Resp: 247933
 Ion Ratio Lower Upper
 105 100
 120 45.3 23.1 69.2





#85

sec-Butylbenzene

Concen: 45.844 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003742.D

Acq: 31 Jul 2018 00:23

Instrument :

MSVOA_X

ClientSampleId :

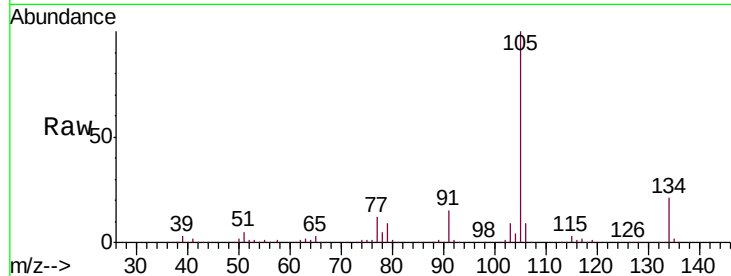
VSTDCCC050EC

Tgt Ion:105 Resp: 287559

Ion Ratio Lower Upper

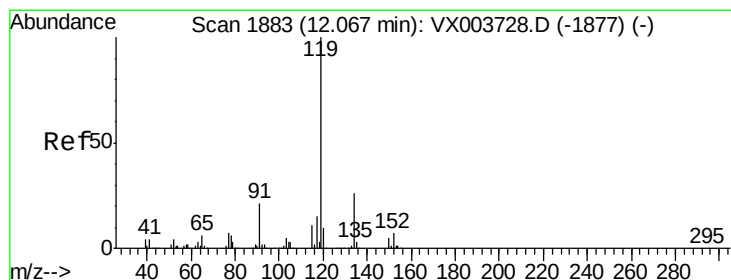
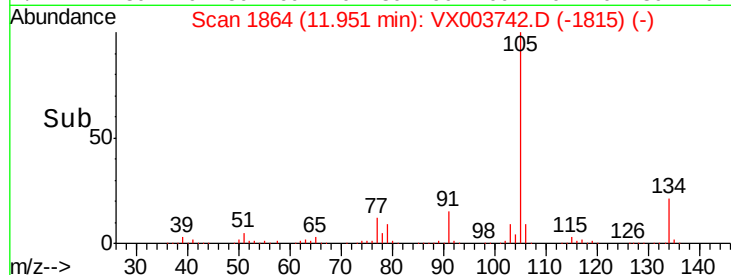
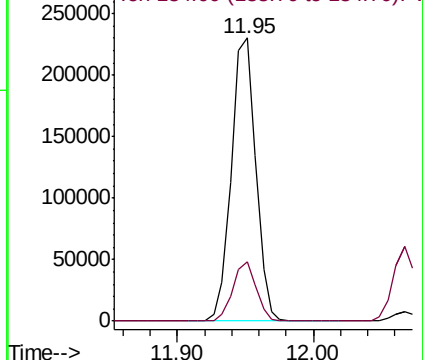
105 100

134 20.2 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 46.061 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003742.D

Acq: 31 Jul 2018 00:23

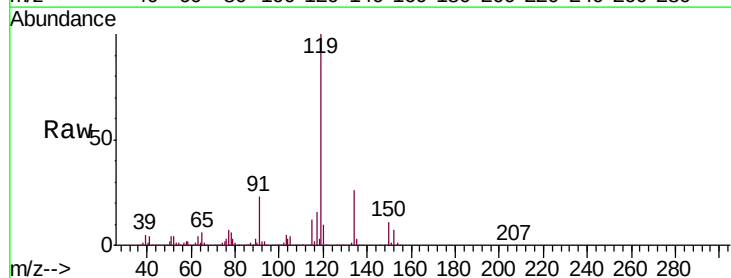
Tgt Ion:119 Resp: 262596

Ion Ratio Lower Upper

119 100

134 26.4 10.1 30.1

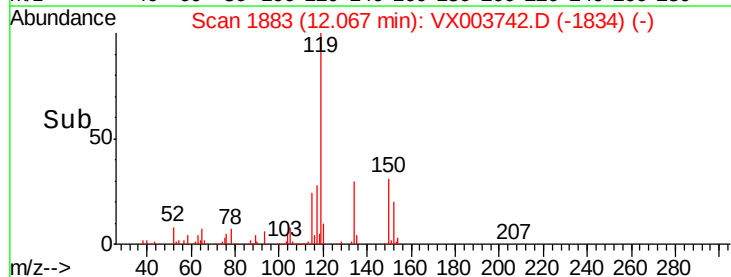
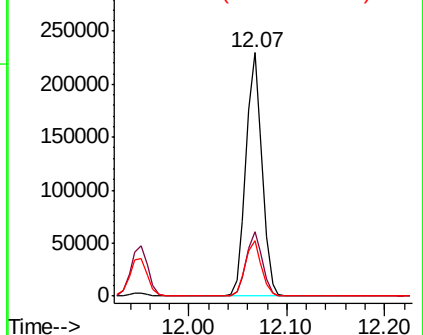
91 22.9 23.6 70.8#

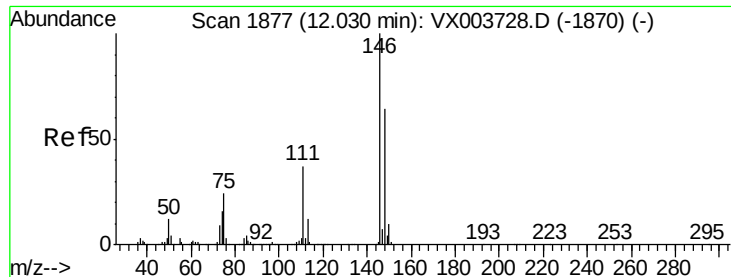


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

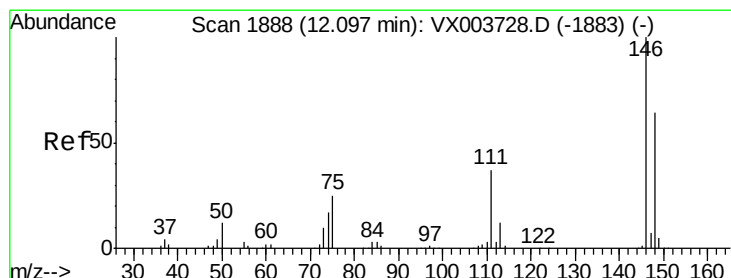
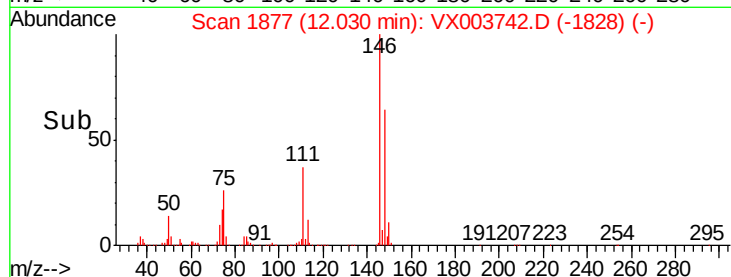
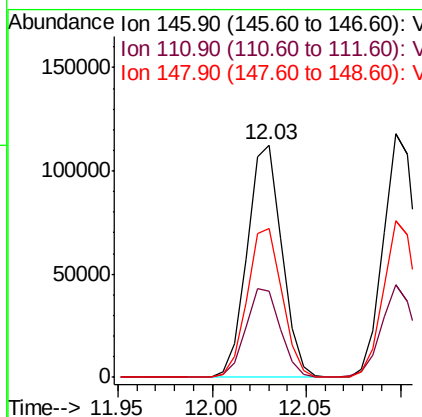
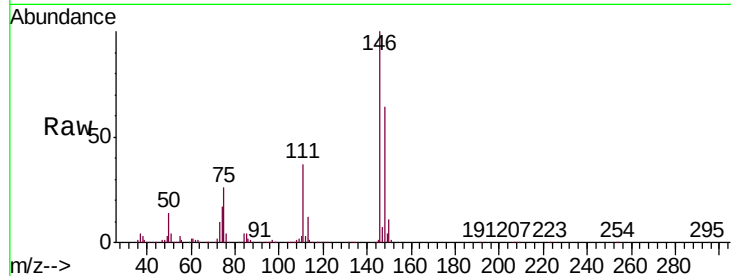




#87
 1,3-Dichlorobenzene
 Concen: 46.850 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX003742.D
 Acq: 31 Jul 2018 00:23

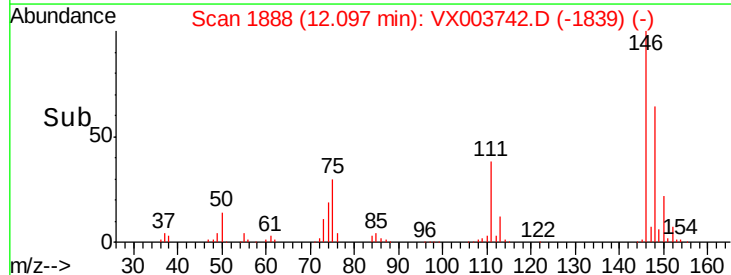
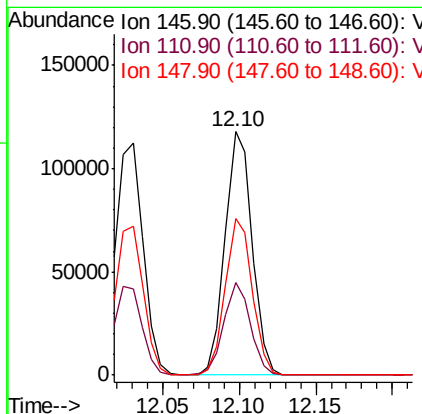
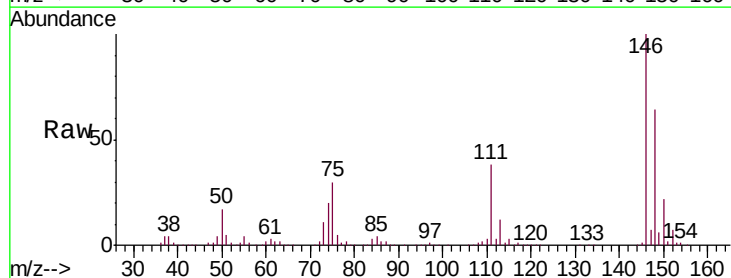
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

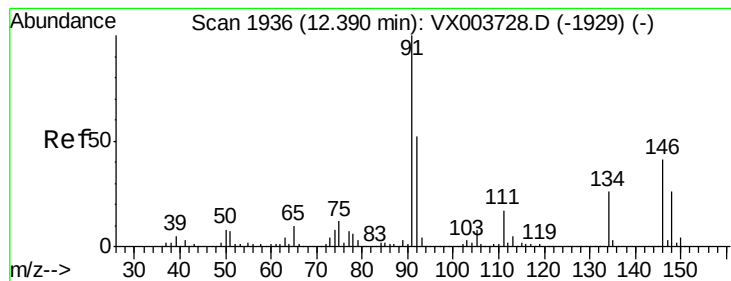
Tgt Ion:146 Resp: 143490
 Ion Ratio Lower Upper
 146 100
 111 38.3 18.8 56.3
 148 64.7 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 46.473 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. 0.00 min
 Lab File: VX003742.D
 Acq: 31 Jul 2018 00:23

Tgt Ion:146 Resp: 145218
 Ion Ratio Lower Upper
 146 100
 111 37.5 18.3 54.9
 148 64.1 32.0 96.2





#89

n-Butylbenzene

Concen: 46.407 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. 0.00 min

Lab File: VX003742.D

Acq: 31 Jul 2018 00:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

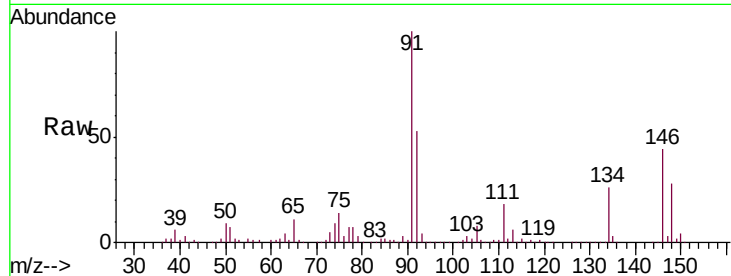
Tgt Ion: 91 Resp: 251804

Ion Ratio Lower Upper

91 100

92 52.1 26.2 78.5

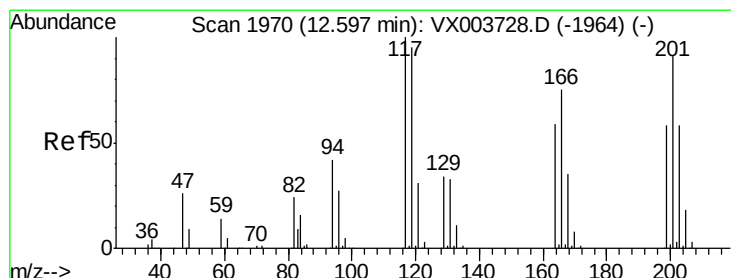
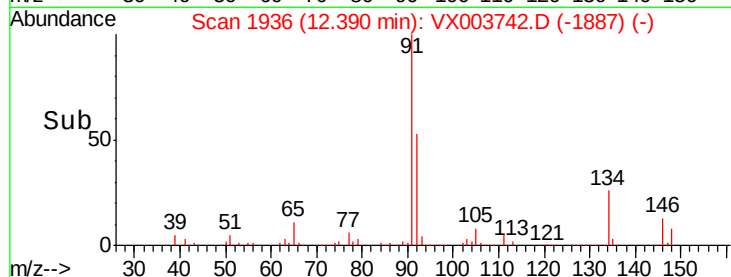
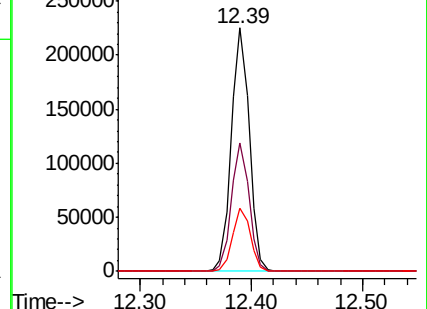
134 26.0 13.6 40.7



Abundance Ion 91.00 (90.70 to 91.70): VX003728.D (-1929) (-)

Ion 92.00 (91.70 to 92.70): VX003728.D (-1929) (-)

Ion 134.00 (133.70 to 134.70): VX003728.D (-1929) (-)



#90

Hexachloroethane

Concen: 48.280 ug/l

RT: 12.60 min Scan# 1970

Delta R.T. 0.00 min

Lab File: VX003742.D

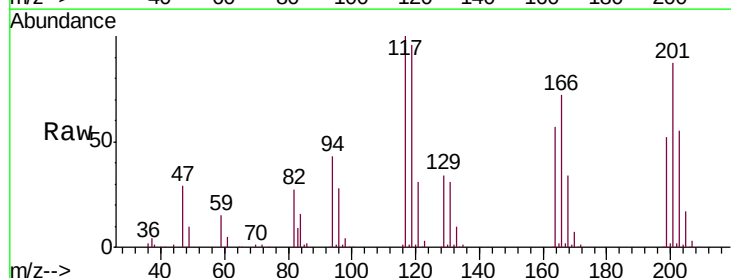
Acq: 31 Jul 2018 00:23

Tgt Ion: 117 Resp: 40871

Ion Ratio Lower Upper

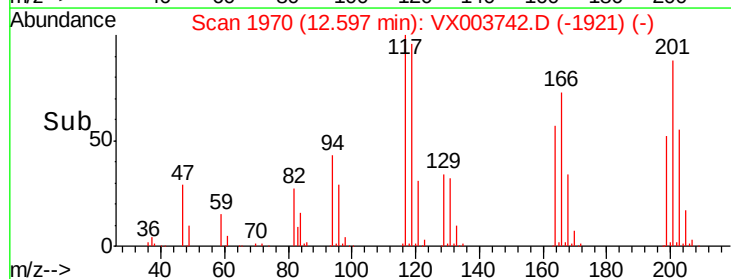
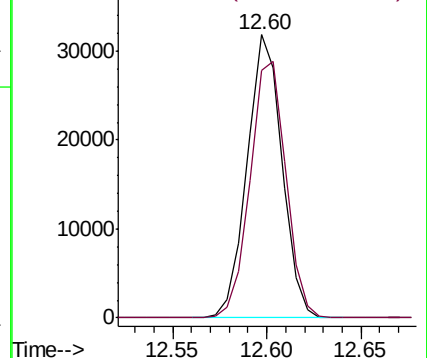
117 100

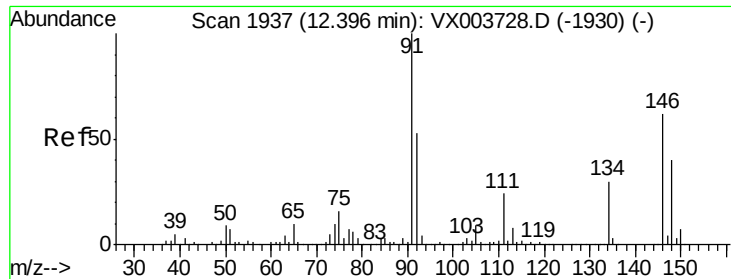
201 92.8 49.3 147.8



Abundance Ion 116.80 (116.50 to 117.50): VX003728.D (-1964) (-)

Ion 200.70 (200.40 to 201.40): VX003728.D (-1964) (-)





#91

1,2-Dichlorobenzene

Concen: 48.234 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX003742.D

Acq: 31 Jul 2018 00:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

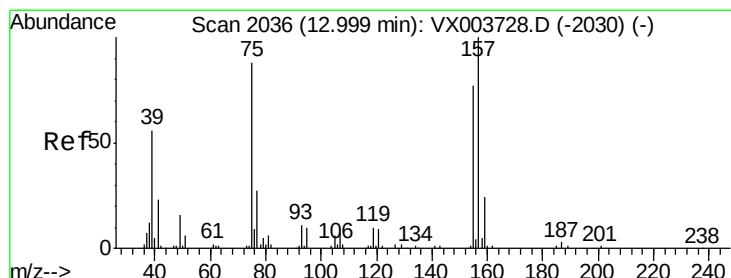
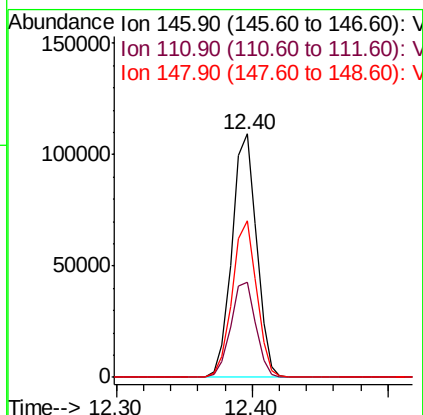
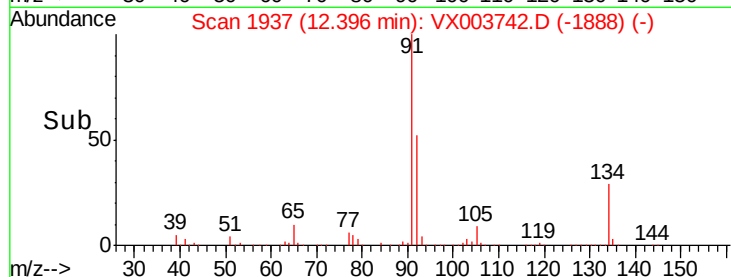
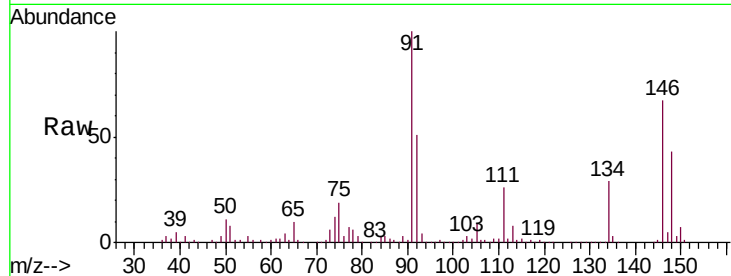
Tgt Ion:146 Resp: 137575

Ion Ratio Lower Upper

146 100

111 39.8 19.4 58.4

148 63.8 32.0 96.0



#92

1,2-Dibromo-3-Chloropropane

Concen: 47.243 ug/l

RT: 13.00 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VX003742.D

Acq: 31 Jul 2018 00:23

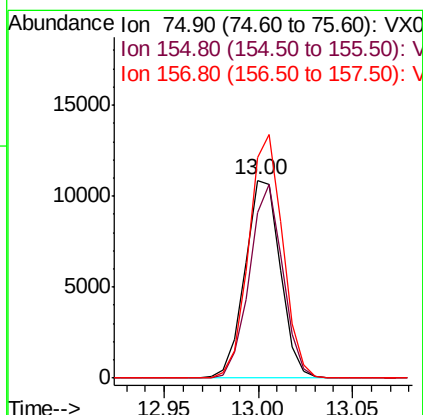
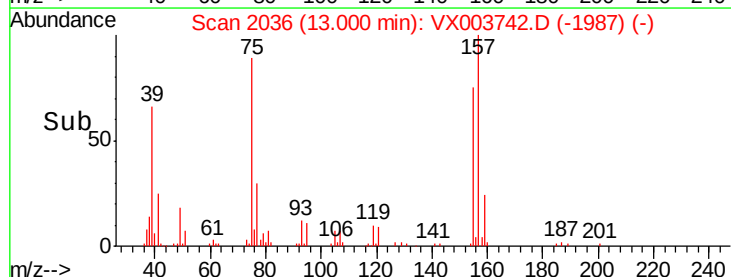
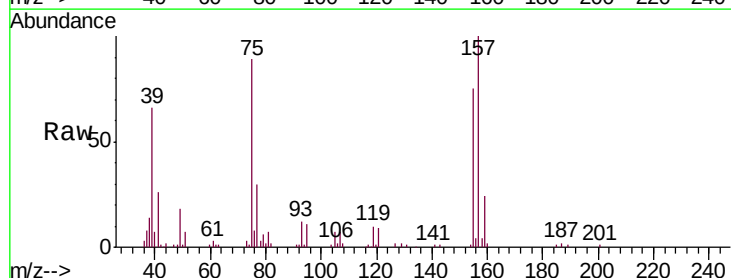
Tgt Ion: 75 Resp: 14153

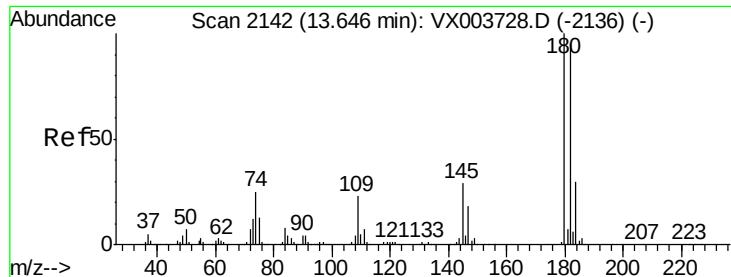
Ion Ratio Lower Upper

75 100

155 91.9 48.9 146.7

157 117.9 63.7 191.1

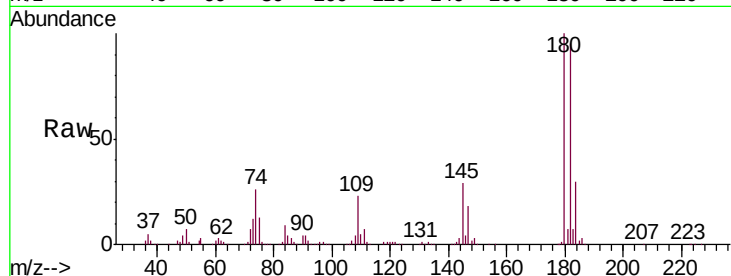




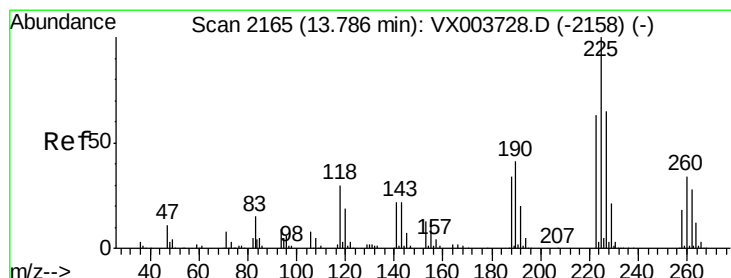
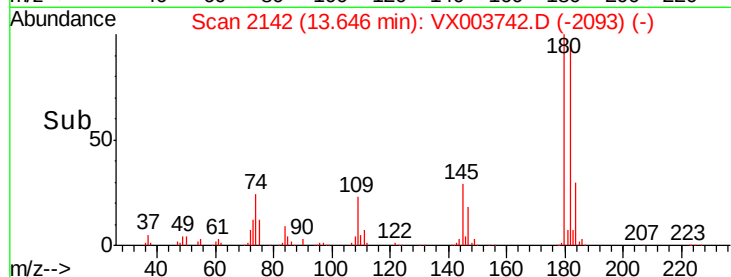
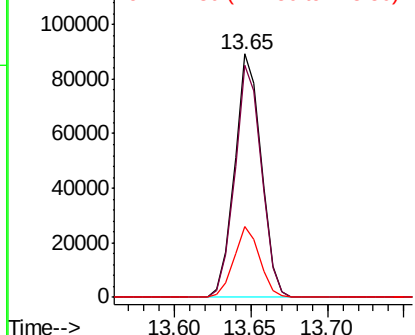
#93
 1,2,4-Trichlorobenzene
 Concen: 47.362 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VX003742.D
 Acq: 31 Jul 2018 00:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:180 Resp: 107162
 Ion Ratio Lower Upper
 180 100
 182 95.3 47.6 142.9
 145 28.3 14.1 42.2

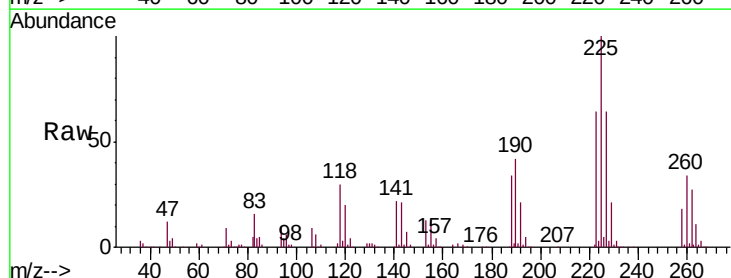


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

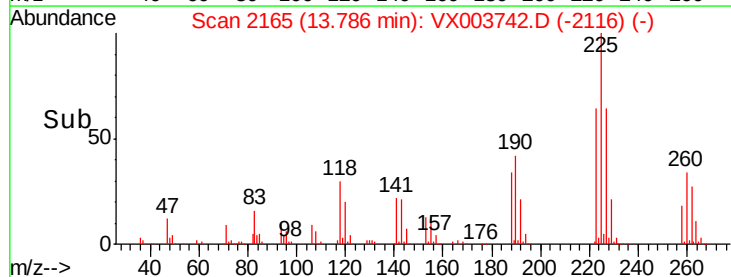
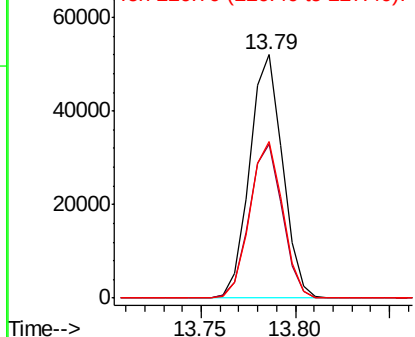


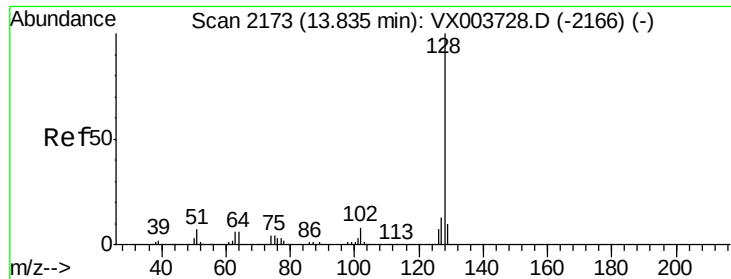
#94
 Hexachlorobutadiene
 Concen: 43.487 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003742.D
 Acq: 31 Jul 2018 00:23

Tgt Ion:225 Resp: 62923
 Ion Ratio Lower Upper
 225 100
 223 63.3 31.1 93.5
 227 64.1 31.9 95.9



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

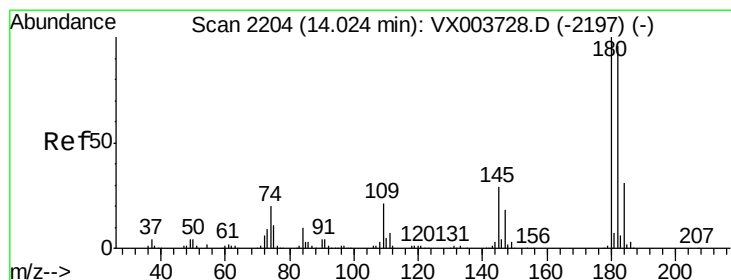
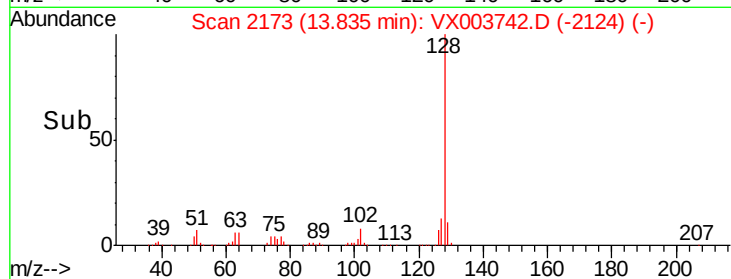
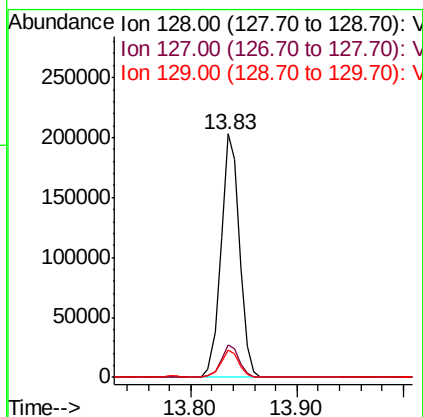
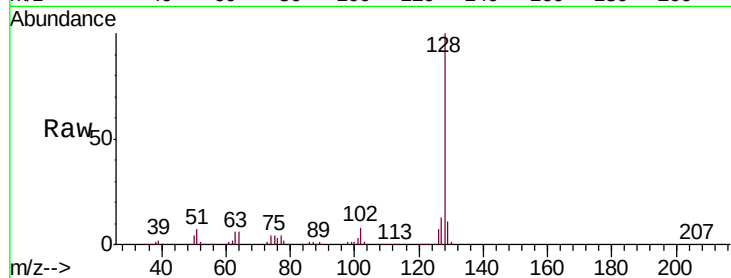




#95
Naphthalene
Concen: 50.844 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX003742.D
Acq: 31 Jul 2018 00:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 245834
Ion Ratio Lower Upper
128 100
127 12.9 10.2 15.2
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 48.277 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX003742.D
Acq: 31 Jul 2018 00:23

Tgt Ion:180 Resp: 99156
Ion Ratio Lower Upper
180 100
182 95.9 47.9 143.8
145 30.0 14.7 44.1

