

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101018\
 Data File : VX005229.D
 Acq On : 11 Oct 2018 02:43
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Oct 11 08:07:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 03 04:00:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	216033	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	316856	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	303695	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	172781	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	122067	39.55	ug/l	0.00
Spiked Amount			Recovery	=	79.10%	
35) Dibromofluoromethane	5.50	113	99486	37.05	ug/l	0.00
Spiked Amount			Recovery	=	74.10%	
50) Toluene-d8	8.72	98	364414	40.82	ug/l	0.00
Spiked Amount			Recovery	=	81.64%	
62) 4-Bromofluorobenzene	11.14	95	139391	43.34	ug/l	0.00
Spiked Amount			Recovery	=	86.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	159399	54.115	ug/l	93
3) Chloromethane	1.32	50	179638	50.267	ug/l	100
4) Vinyl Chloride	1.40	62	177373	52.920	ug/l	99
5) Bromomethane	1.64	94	98085	49.350	ug/l	99
6) Chloroethane	1.71	64	101564	55.876	ug/l	96
7) Trichlorofluoromethane	1.92	101	227846	54.910	ug/l	94
8) Diethyl Ether	2.19	74	89645	49.730	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.37	101	122890	51.992	ug/l	99
10) Methyl Iodide	2.51	142	151216	47.809	ug/l	90
11) Tert butyl alcohol	3.09	59	237289	274.995	ug/l	99
12) 1,1-Dichloroethene	2.37	96	119176	50.913	ug/l	90
13) Acrolein	2.29	56	106995	174.276	ug/l	92
14) Allyl chloride	2.72	41	265167	51.918	ug/l	95
15) Acrylonitrile	3.15	53	508899	267.907	ug/l	96
16) Acetone	2.45	43	464860	258.014	ug/l	93
17) Carbon Disulfide	2.56	76	347313	49.378	ug/l	98
18) Methyl Acetate	2.78	43	266171	58.310	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	441203	54.644	ug/l	97
20) Methylene Chloride	2.85	84	140164	53.566	ug/l	89
21) trans-1,2-Dichloroethene	3.16	96	128534	50.161	ug/l	88
22) Diisopropyl ether	3.87	45	437136	50.827	ug/l	98
23) Vinyl Acetate	3.82	43	1950392	247.748	ug/l	99
24) 1,1-Dichloroethane	3.69	63	260755	50.827	ug/l	100
25) 2-Butanone	4.71	43	663298	249.760	ug/l	96
26) 2,2-Dichloropropane	4.58	77	121229	33.934	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	135023	47.169	ug/l	98
28) Bromochloromethane	5.01	49	89624	37.098	ug/l	99
29) Tetrahydrofuran	5.16	42	437295	264.925	ug/l	98
30) Chloroform	5.21	83	234149	48.292	ug/l	99
31) Cyclohexane	5.57	56	203985	51.950	ug/l	92
32) 1,1,1-Trichloroethane	5.49	97	203268	51.334	ug/l	95
36) 1,1-Dichloropropene	5.79	75	172065	46.963	ug/l	95
37) Ethyl Acetate	4.86	43	231680	47.637	ug/l	98
38) Carbon Tetrachloride	5.78	117	182332	47.342	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101018\
 Data File : VX005229.D
 Acq On : 11 Oct 2018 02:43
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Oct 11 08:07:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 03 04:00:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	192685	51.503	ug/l #	86
40) Benzene	6.14	78	530743	46.270	ug/l	94
41) Methacrylonitrile	5.06	41	128167	47.519	ug/l	97
42) 1,2-Dichloroethane	6.20	62	193615	47.748	ug/l	97
43) Isopropyl Acetate	6.47	43	337290	48.050	ug/l	97
44) Trichloroethene	7.21	130	140539	49.840	ug/l	95
45) 1,2-Dichloropropane	7.52	63	142091	50.514	ug/l	96
46) Dibromomethane	7.66	93	91990	52.036	ug/l	99
47) Bromodichloromethane	7.90	83	178889	54.048	ug/l	99
48) Methyl methacrylate	7.78	41	181775	57.052	ug/l	99
49) 1,4-Dioxane	7.76	88	87441	1104.676	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	1247186	282.176	ug/l	99
52) Toluene	8.79	92	329518	52.281	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	187570	50.149	ug/l	92
54) cis-1,3-Dichloropropene	8.44	75	203393	51.918	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	137995	49.983	ug/l	97
56) Ethyl methacrylate	9.18	69	217370	48.604	ug/l	96
57) 1,3-Dichloropropane	9.37	76	233014	50.711	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.32	63	463533	197.996	ug/l	99
59) 2-Hexanone	9.50	43	1002050	272.062	ug/l	95
60) Dibromochloromethane	9.59	129	145528	52.707	ug/l	99
61) 1,2-Dibromoethane	9.68	107	144922	49.014	ug/l	96
64) Tetrachloroethene	9.34	164	147374	49.305	ug/l	96
65) Chlorobenzene	10.14	112	371767	47.738	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	137888	50.365	ug/l	99
67) Ethyl Benzene	10.26	91	630159	50.968	ug/l	97
68) m/p-Xylenes	10.36	106	496404	102.745	ug/l	95
69) o-Xylene	10.70	106	237317	53.478	ug/l	100
70) Styrene	10.71	104	405073	48.857	ug/l	99
71) Bromoform	10.86	173	124057	52.928	ug/l #	97
73) Isopropylbenzene	11.02	105	644144	59.147	ug/l	99
74) N-amyl acetate	10.90	43	307572	51.334	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	231702	52.265	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	258918	66.858	ug/l	85
77) Bromobenzene	11.26	156	174146	55.053	ug/l	99
78) n-propylbenzene	11.36	91	739235	59.159	ug/l	99
79) 2-Chlorotoluene	11.42	91	440657	56.576	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	553288	55.452	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	59096	41.953	ug/l	100
82) 4-Chlorotoluene	11.51	91	527653	57.555	ug/l	99
83) tert-Butylbenzene	11.77	119	543041	60.563	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	572090	55.598	ug/l	99
85) sec-Butylbenzene	11.94	105	653442	59.830	ug/l	100
86) p-Isopropyltoluene	12.07	119	593127	59.942	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	323763	54.813	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	326595	53.562	ug/l	100
89) n-Butylbenzene	12.39	91	515874	57.405	ug/l	99
90) Hexachloroethane	12.60	117	96129	58.348	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	330020	53.464	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	57884	59.466	ug/l	98

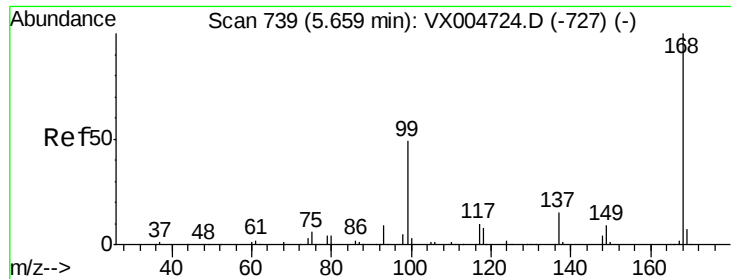
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX101018\
Data File : VX005229.D
Acq On : 11 Oct 2018 02:43
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Oct 11 08:07:01 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 03 04:00:03 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	246810	56.998	ug/l	100
94) Hexachlorobutadiene	13.79	225	120918	53.851	ug/l	99
95) Naphthalene	13.83	128	786927	54.686	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	256405	57.322	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX005229.D

Acq: 11 Oct 2018 02:43

Instrument :

MSVOA_X

ClientSampleId :

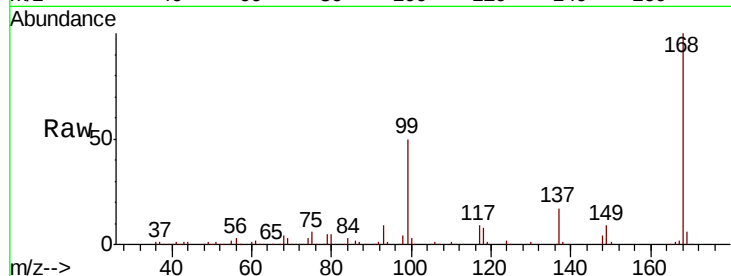
VSTDCCC050

Tot Ion:168 Resp: 216033

Ion Ratio Lower Upper

168 100

99 49.9 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

40000

20000

0

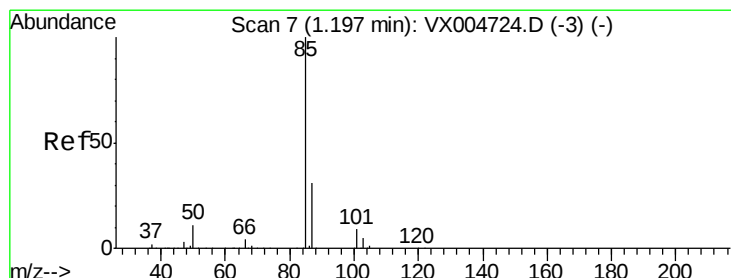
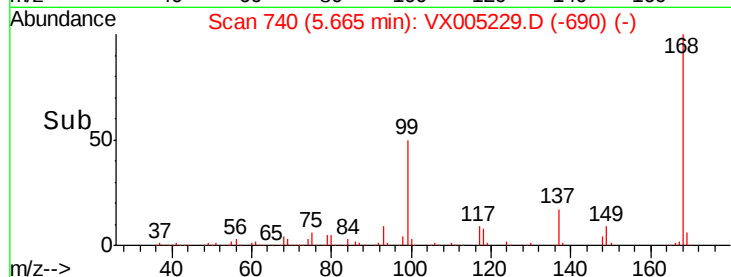
5.50

5.60

5.70

5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 54.115 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX005229.D

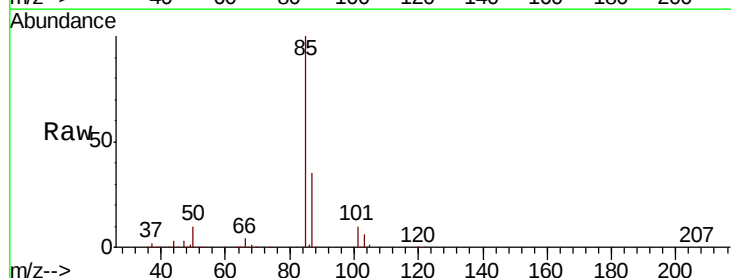
Acq: 11 Oct 2018 02:43

Tgt Ion: 85 Resp: 159399

Ion Ratio Lower Upper

85 100

87 35.4 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

150000

100000

50000

0

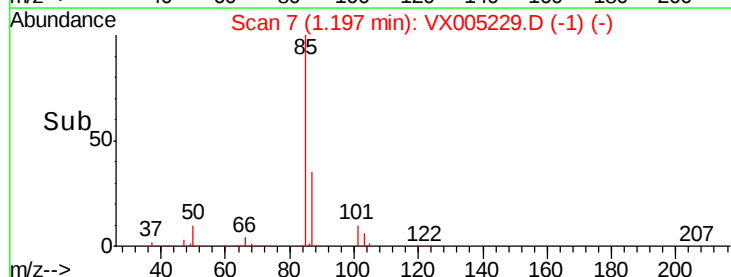
1.15

1.20

1.25

1.30

Time-->





#3

Chloromethane

Concen: 50.267 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX005229.D

Acq: 11 Oct 2018 02:43

Instrument :

MSVOA_X

ClientSampleId :

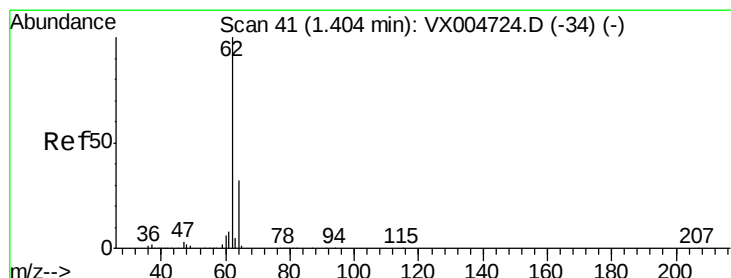
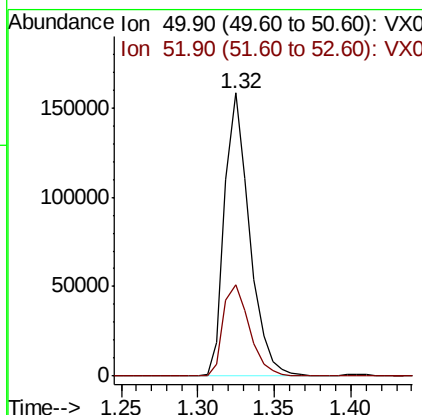
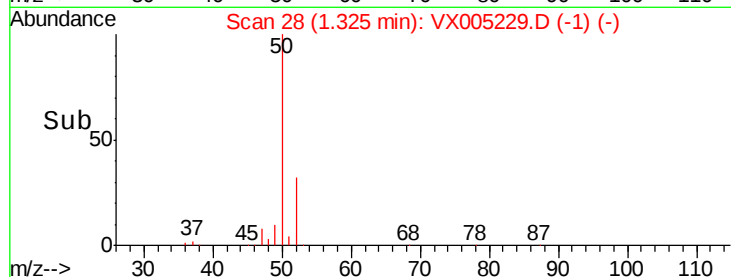
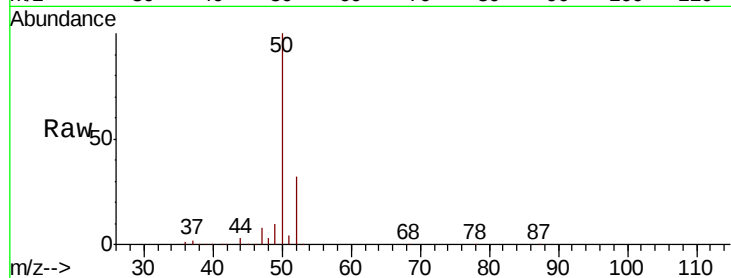
VSTDCCC050

Tot Ion: 50 Resp: 179638

Ion Ratio Lower Upper

50 100

52 32.3 25.8 38.6



#4

Vinyl Chloride

Concen: 52.920 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX005229.D

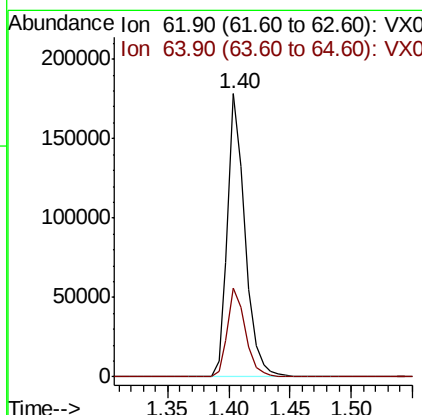
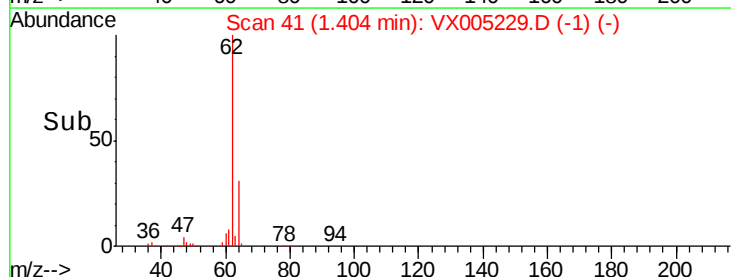
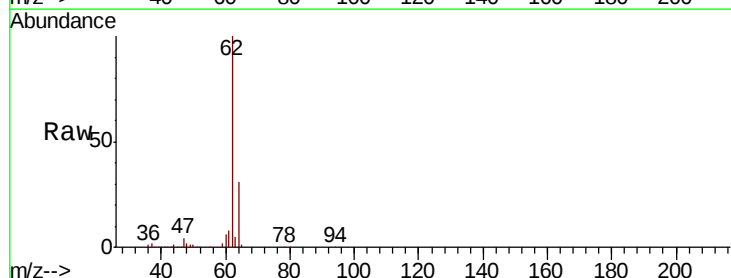
Acq: 11 Oct 2018 02:43

Tgt Ion: 62 Resp: 177373

Ion Ratio Lower Upper

62 100

64 31.3 25.5 38.3





#5

Bromomethane

Concen: 49.350 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005229.D

Acq: 11 Oct 2018 02:43

Instrument :

MSVOA_X

ClientSampleId :

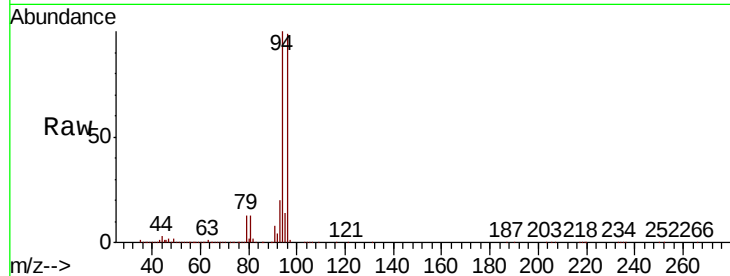
VSTDCCC050

Tot Ion: 94 Resp: 98085

Ion Ratio Lower Upper

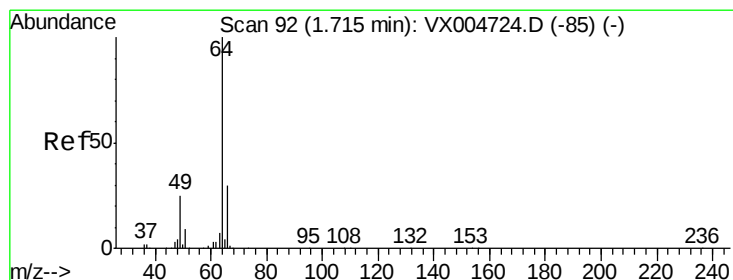
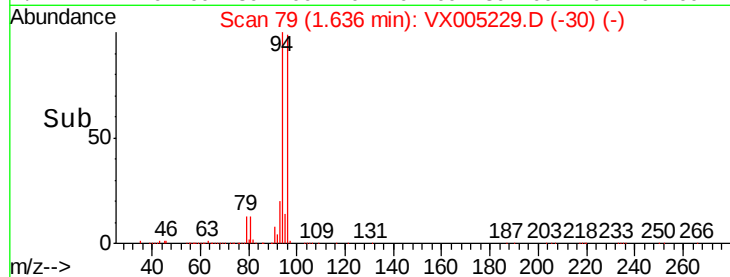
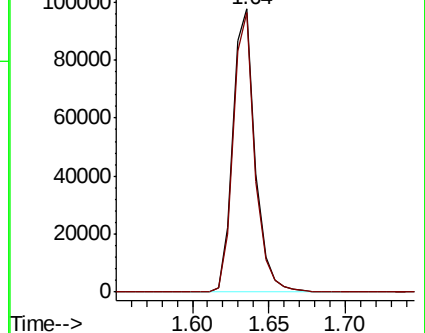
94 100

96 98.9 79.5 119.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 55.876 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX005229.D

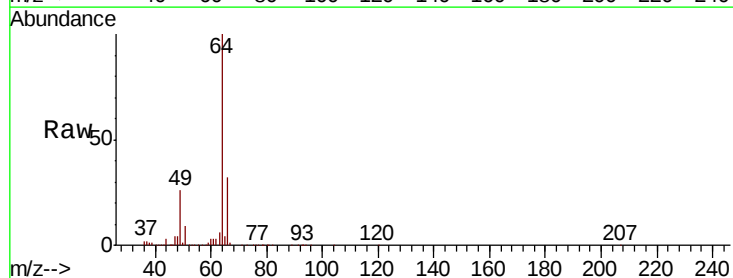
Acq: 11 Oct 2018 02:43

Tgt Ion: 64 Resp: 101564

Ion Ratio Lower Upper

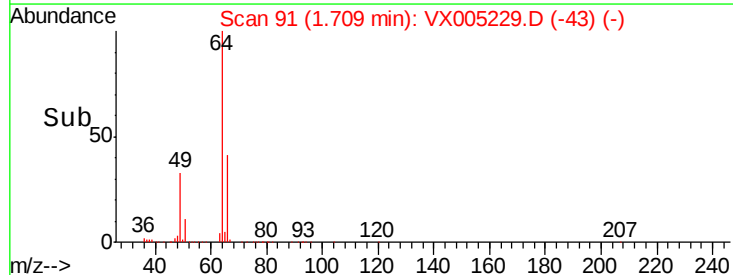
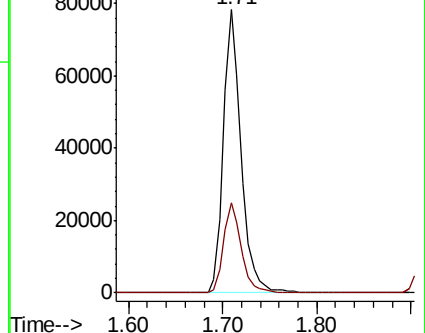
64 100

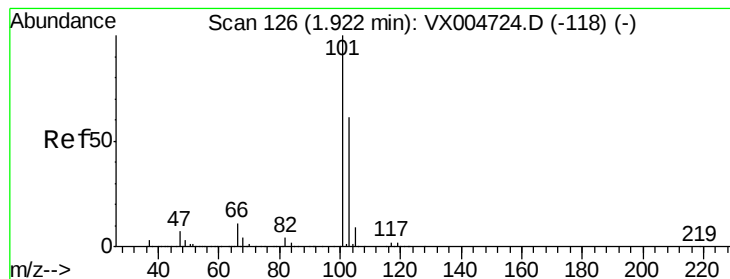
66 31.7 23.8 35.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



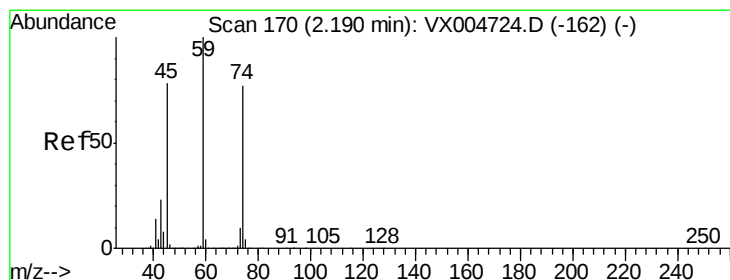
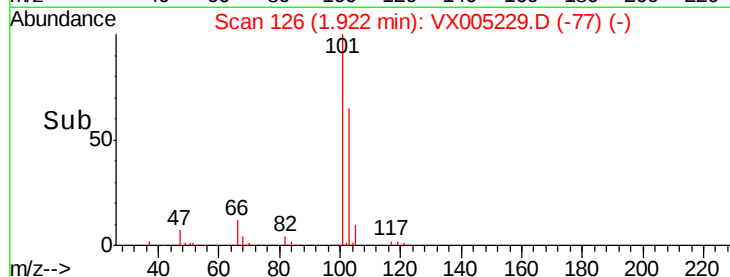
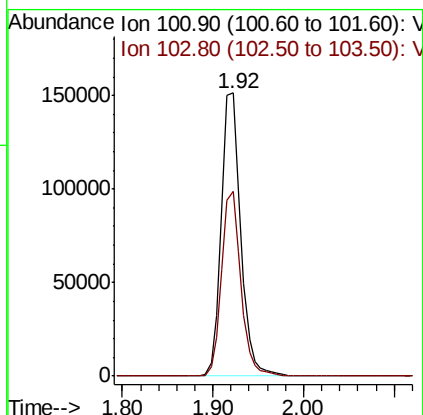
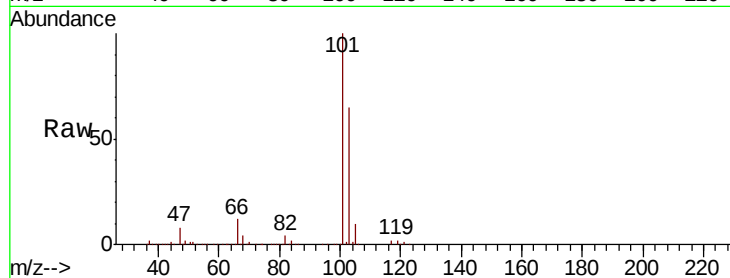


#7

Trichlorofluoromethane
 Concen: 54.910 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. 0.00 min
 Lab File: VX005229.D
 Acq: 11 Oct 2018 02:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

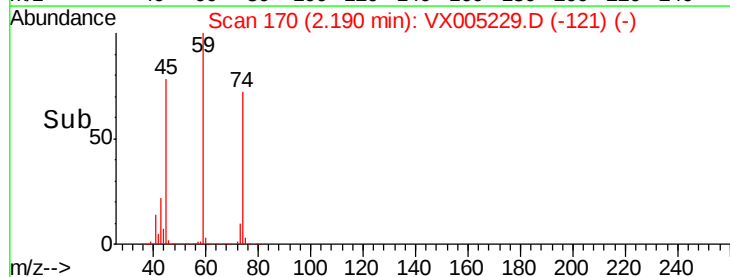
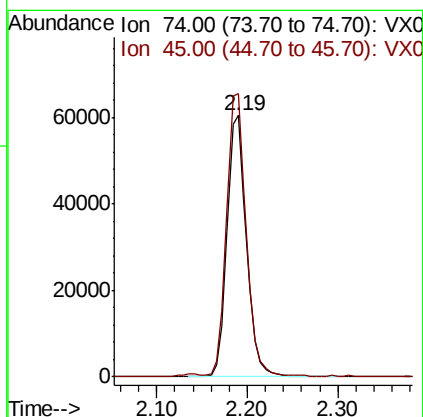
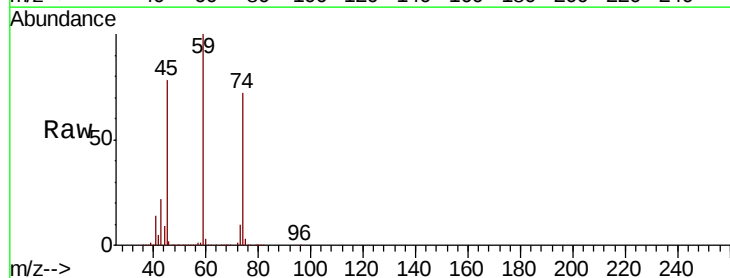
Tot Ion:101 Resp: 227846
 Ion Ratio Lower Upper
 101 100
 103 65.2 48.4 72.6

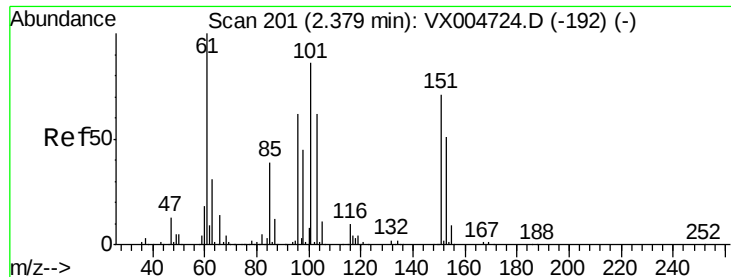


#8

Diethyl Ether
 Concen: 49.730 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.00 min
 Lab File: VX005229.D
 Acq: 11 Oct 2018 02:43

Tgt Ion: 74 Resp: 89645
 Ion Ratio Lower Upper
 74 100
 45 109.2 52.5 157.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.992 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.01 min

Lab File: VX005229.D

Acq: 11 Oct 2018 02:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

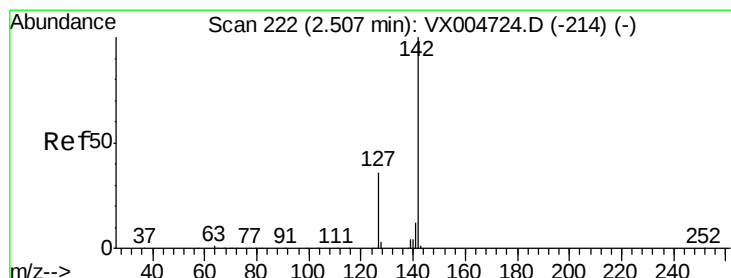
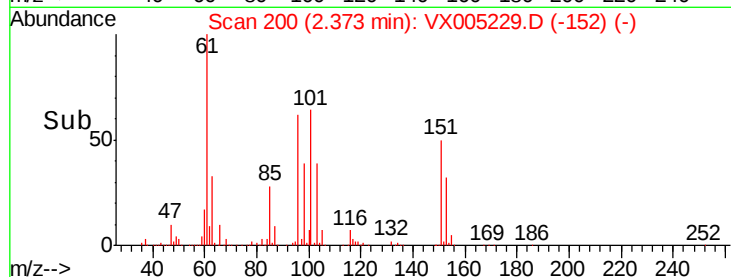
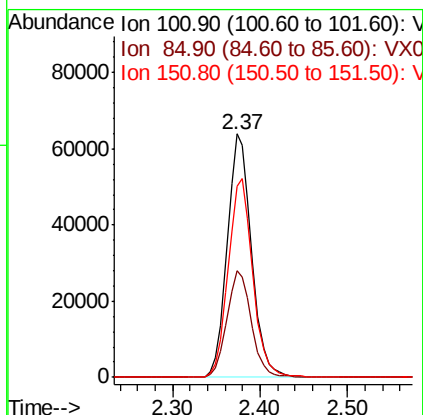
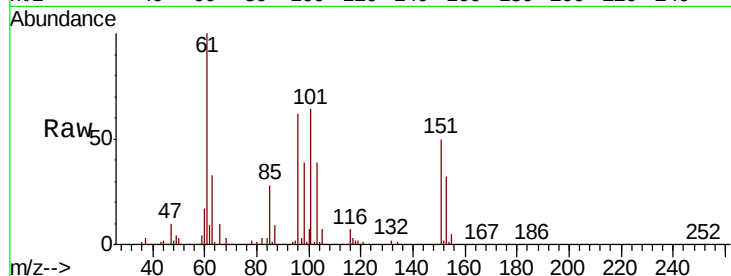
Tot Ion:101 Resp: 122890

Ion Ratio Lower Upper

101 100

85 44.2 35.9 53.9

151 82.8 66.6 100.0



#10

Methyl Iodide

Concen: 47.809 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX005229.D

Acq: 11 Oct 2018 02:43

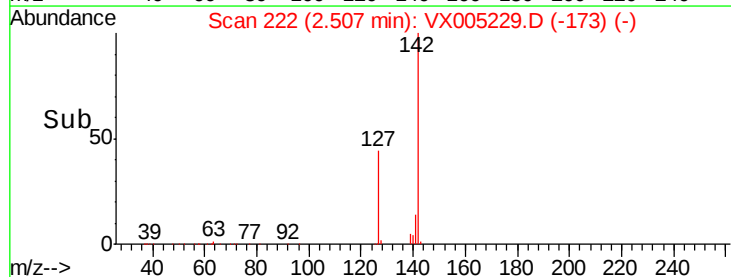
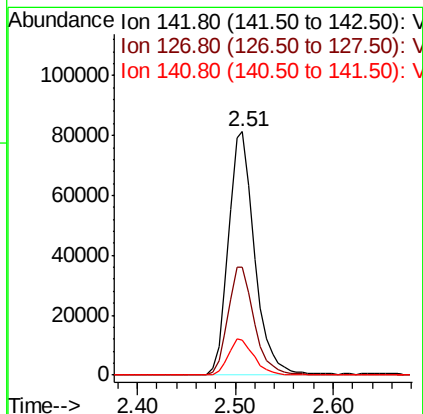
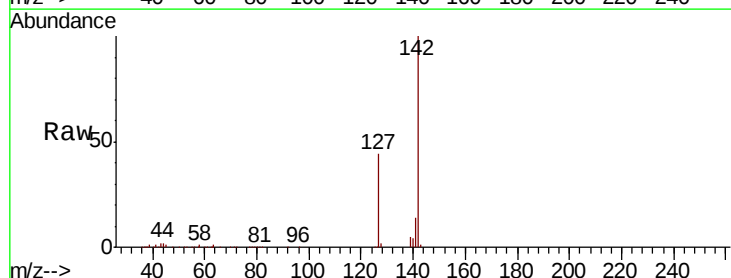
Tgt Ion:142 Resp: 151216

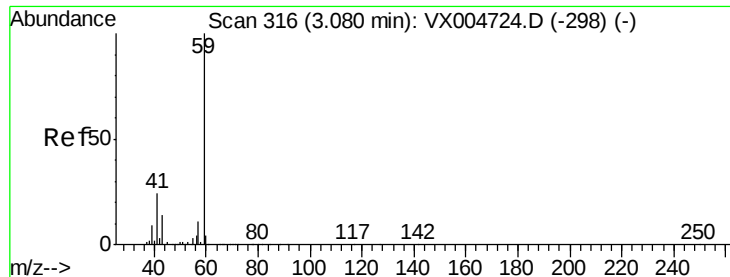
Ion Ratio Lower Upper

142 100

127 44.5 30.1 45.1

141 14.5 10.1 15.1



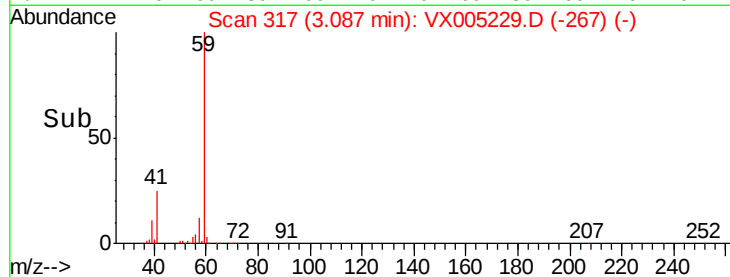
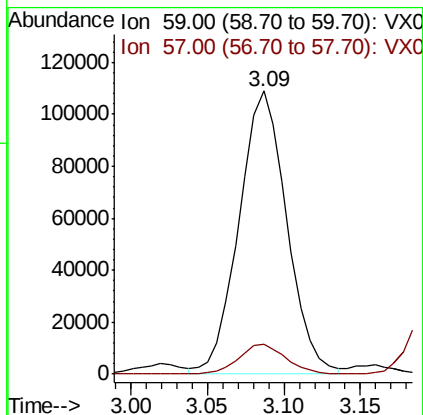
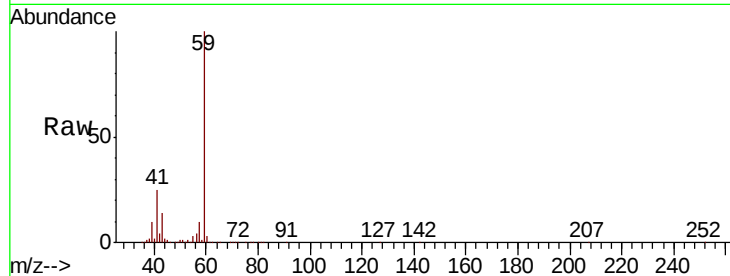


#11

Tert butyl alcohol
 Concen: 274.995 ug/l
 RT: 3.09 min Scan# 317
 Delta R.T. 0.01 min
 Lab File: VX005229.D
 Acq: 11 Oct 2018 02:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

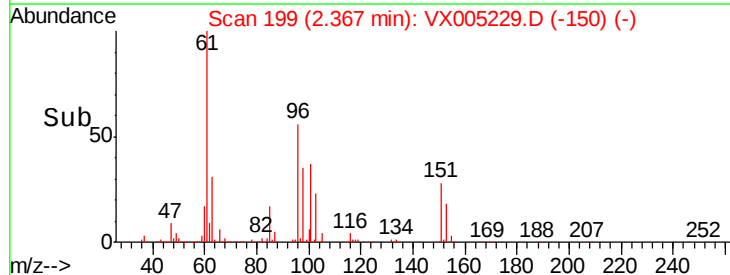
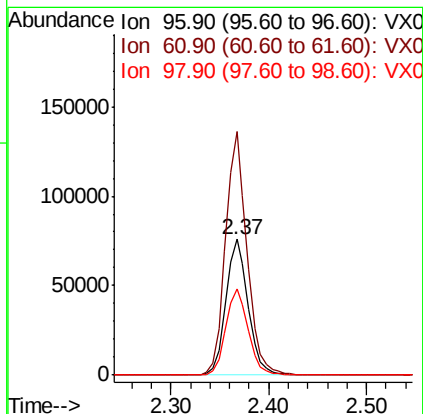
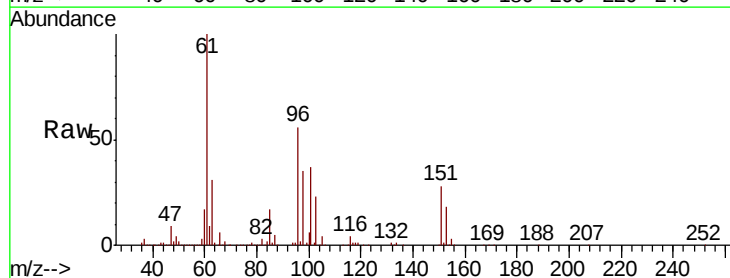
Tot Ion: 59 Resp: 237289
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.6 12.8

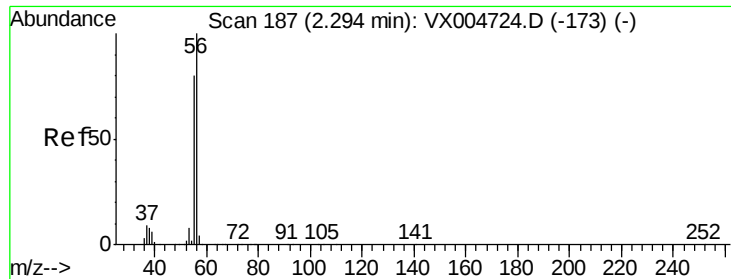


#12

1,1-Dichloroethene
 Concen: 50.913 ug/l
 RT: 2.37 min Scan# 199
 Delta R.T. 0.00 min
 Lab File: VX005229.D
 Acq: 11 Oct 2018 02:43

Tgt Ion: 96 Resp: 119176
 Ion Ratio Lower Upper
 96 100
 61 179.7 130.2 195.4
 98 63.4 53.4 80.0





#13

Acrolein

Concen: 174.276 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX005229.D

Acq: 11 Oct 2018 02:43

Instrument :

MSVOA_X

ClientSampleId :

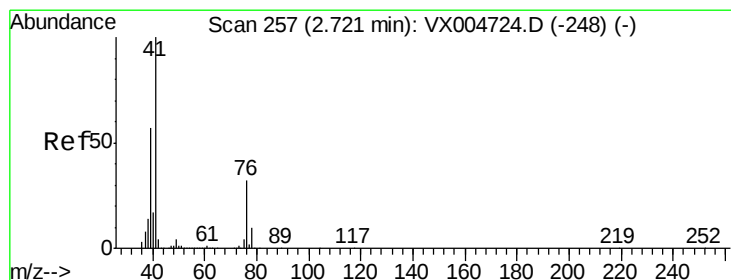
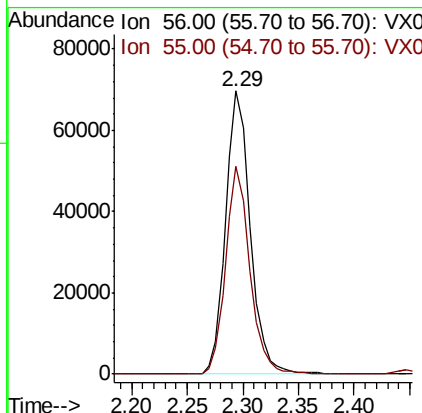
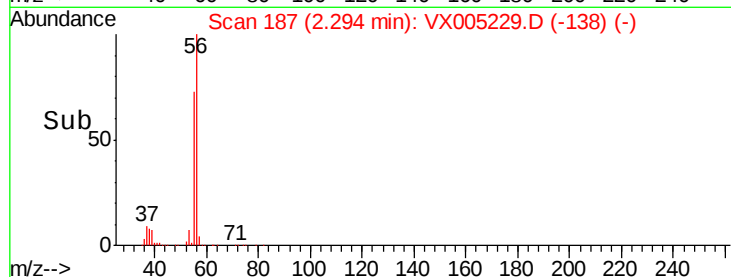
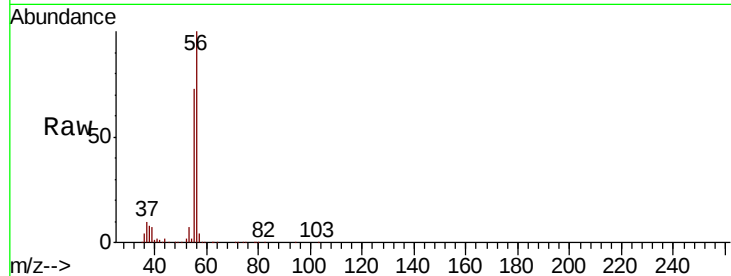
VSTDCCC050

Tot Ion: 56 Resp: 106995

Ion Ratio Lower Upper

56 100

55 72.2 63.4 95.2



#14

Allyl chloride

Concen: 51.918 ug/l

RT: 2.72 min Scan# 257

Delta R.T. 0.00 min

Lab File: VX005229.D

Acq: 11 Oct 2018 02:43

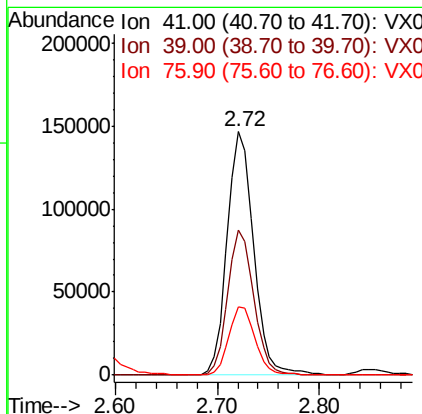
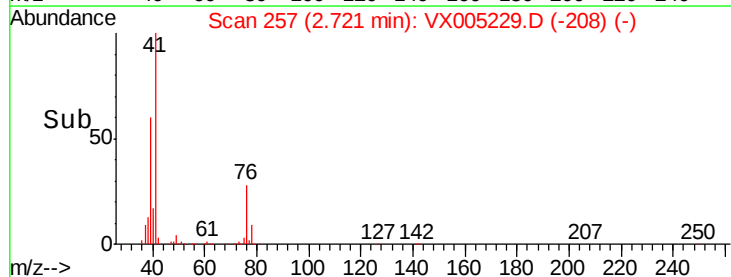
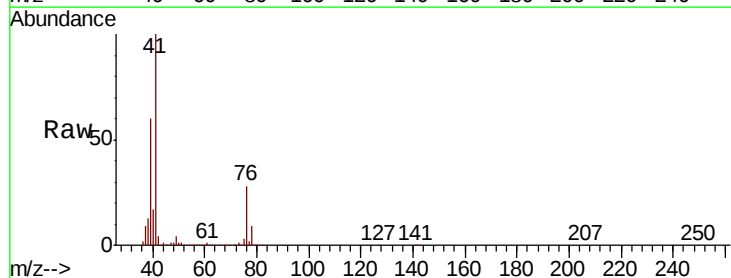
Tgt Ion: 41 Resp: 265167

Ion Ratio Lower Upper

41 100

39 58.2 44.1 66.1

76 27.5 25.0 37.4





#15

Acrylonitrile

Concen: 267.907 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VX005229.D

Acq: 11 Oct 2018 02:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

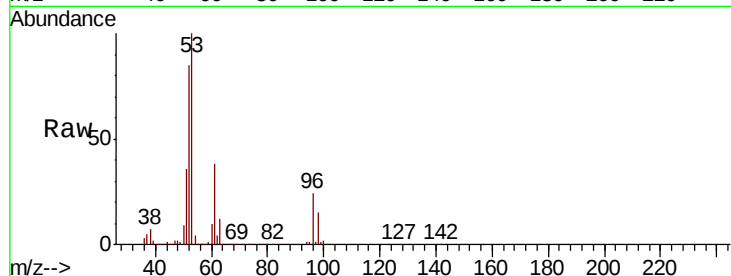
Tot Ion: 53 Resp: 508899

Ion Ratio Lower Upper

53 100

52 83.7 63.0 94.4

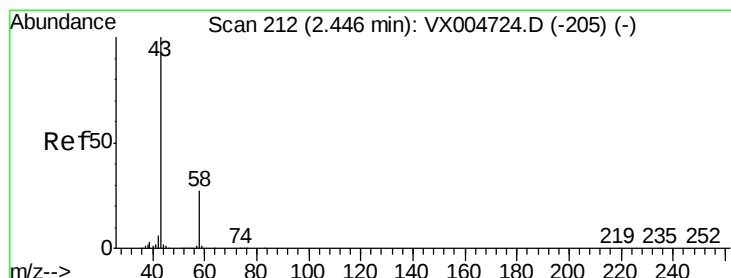
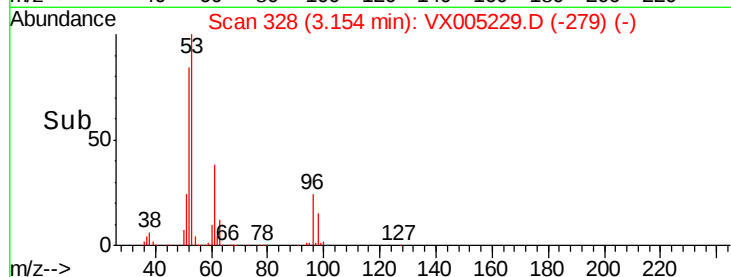
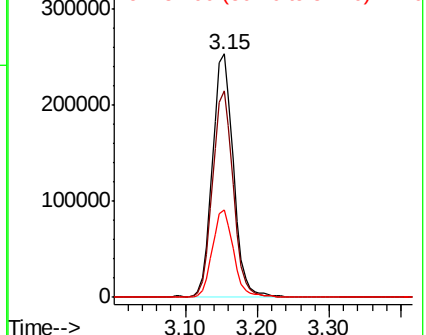
51 36.2 28.6 42.8



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: 258.014 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX005229.D

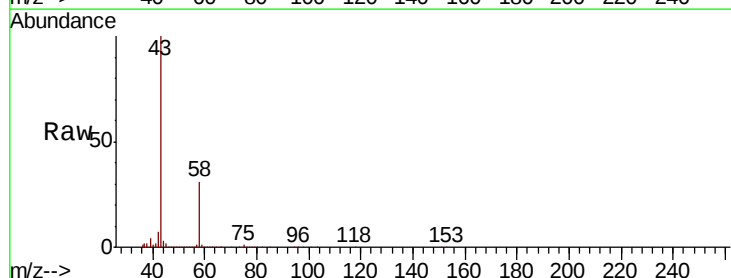
Acq: 11 Oct 2018 02:43

Tgt Ion: 43 Resp: 464860

Ion Ratio Lower Upper

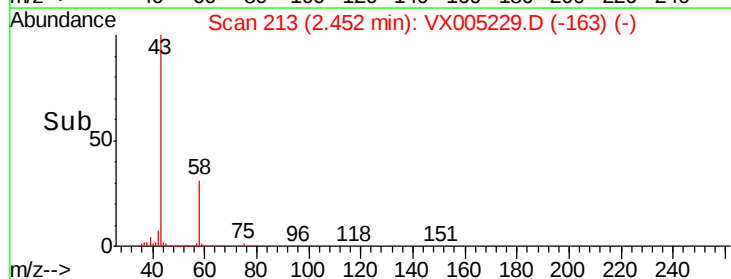
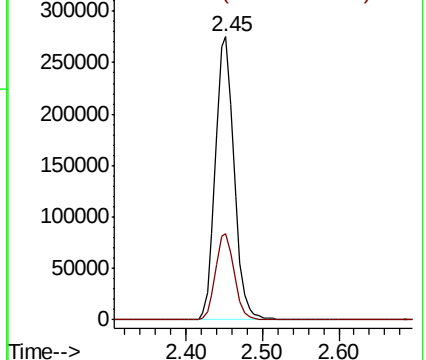
43 100

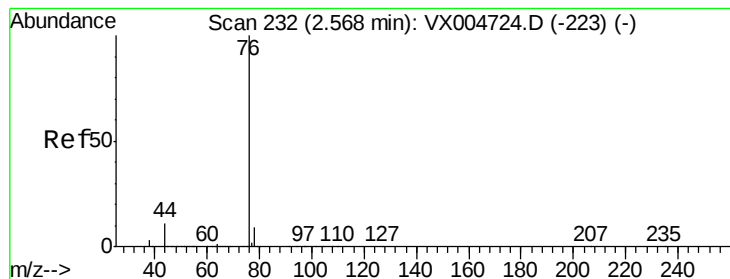
58 30.7 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 49.378 ug/l

RT: 2.56 min Scan# 231

Delta R.T. -0.01 min

Lab File: VX005229.D

Acq: 11 Oct 2018 02:43

Instrument :

MSVOA_X

ClientSampleId :

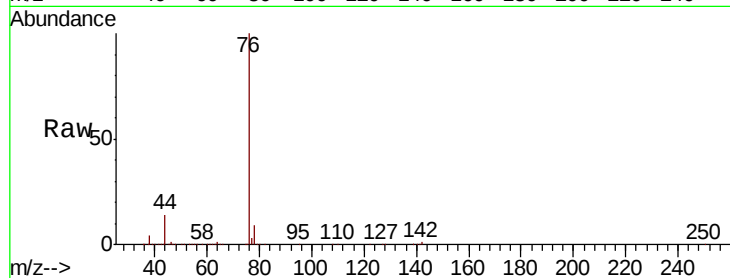
VSTDCCC050

Tot Ion: 76 Resp: 347313

Ion Ratio Lower Upper

76 100

78 9.4 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

200000

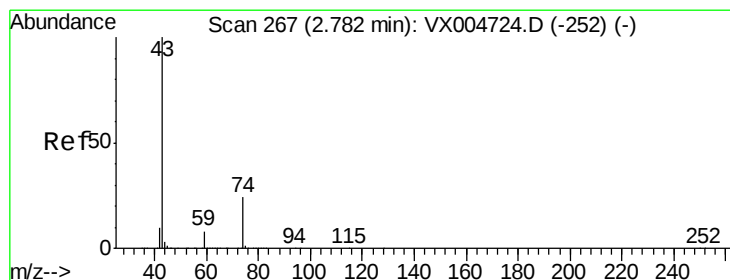
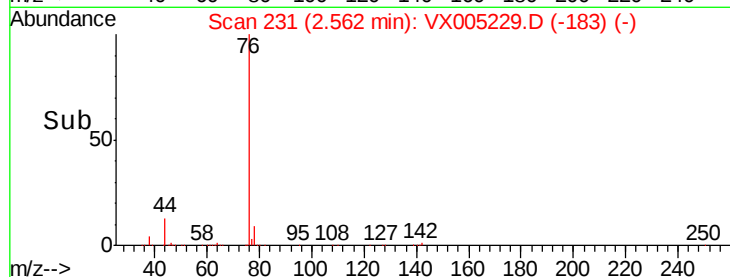
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 58.310 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX005229.D

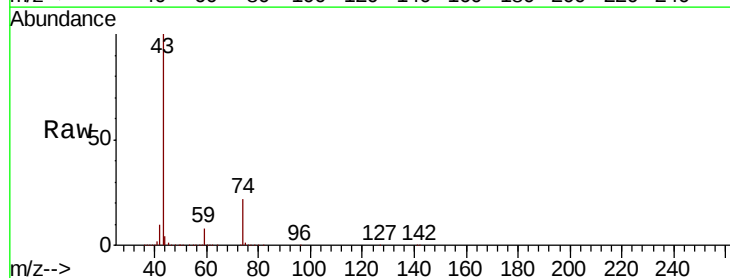
Acq: 11 Oct 2018 02:43

Tgt Ion: 43 Resp: 266171

Ion Ratio Lower Upper

43 100

74 20.9 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

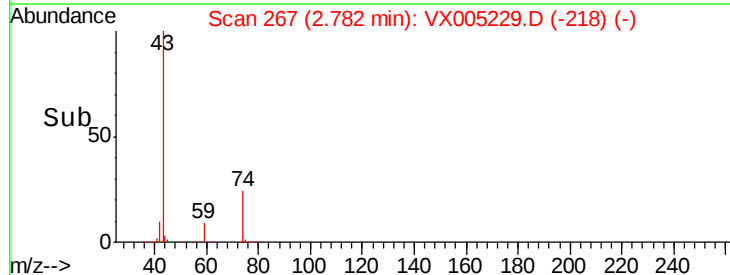
150000

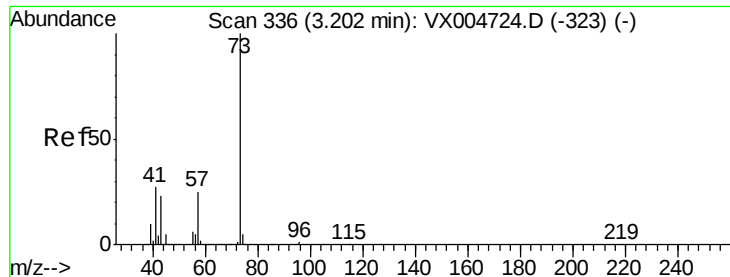
100000

50000

0

Time-->



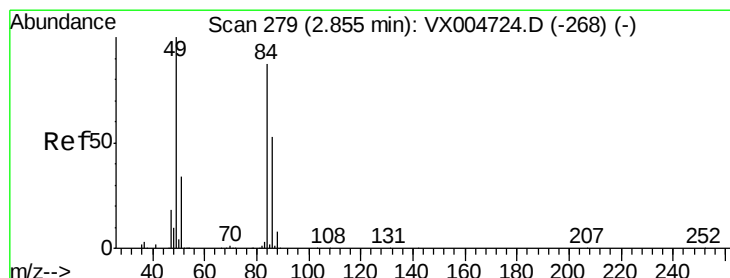
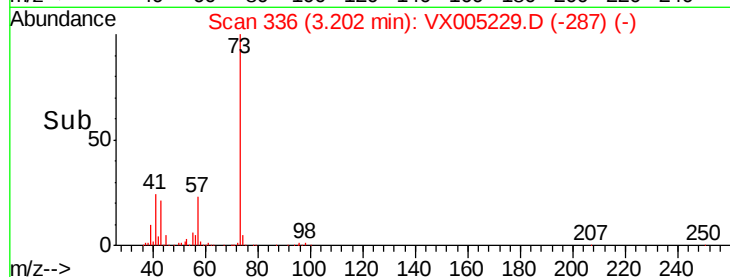
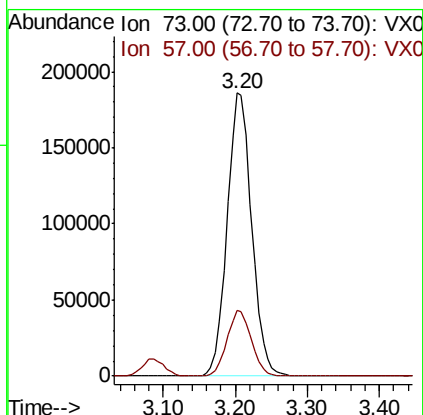
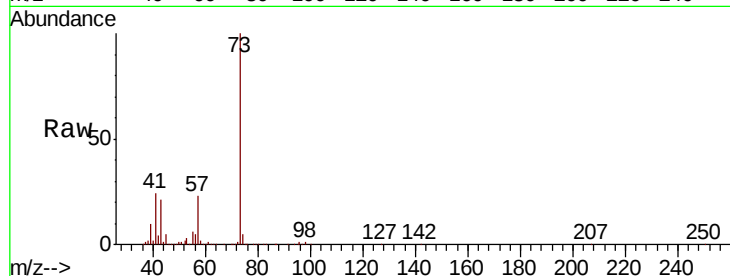


#19

Methyl tert-butyl Ether
 Concen: 54.644 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. 0.00 min
 Lab File: VX005229.D
 Acq: 11 Oct 2018 02:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

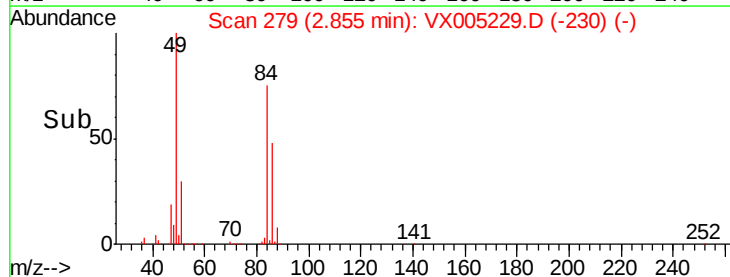
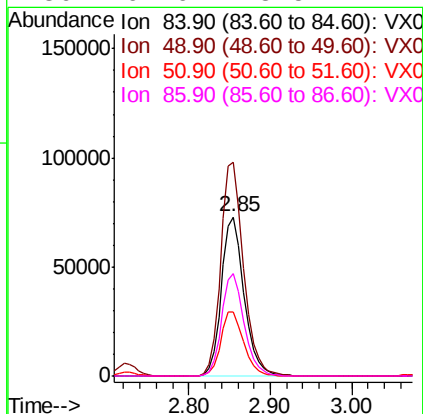
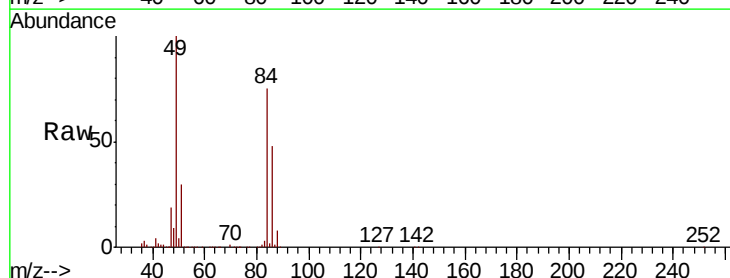
Tot Ion: 73 Resp: 441203
 Ion Ratio Lower Upper
 73 100
 57 23.3 19.9 29.9

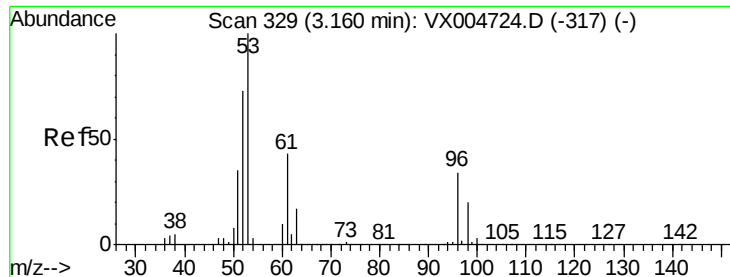


#20

Methylene Chloride
 Concen: 53.566 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VX005229.D
 Acq: 11 Oct 2018 02:43

Tgt Ion: 84 Resp: 140164
 Ion Ratio Lower Upper
 84 100
 49 134.1 92.3 138.5
 51 40.5 31.8 47.6
 86 64.6 48.5 72.7





#21

trans-1,2-Dichloroethene

Concen: 50.161 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX005229.D

Acq: 11 Oct 2018 02:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

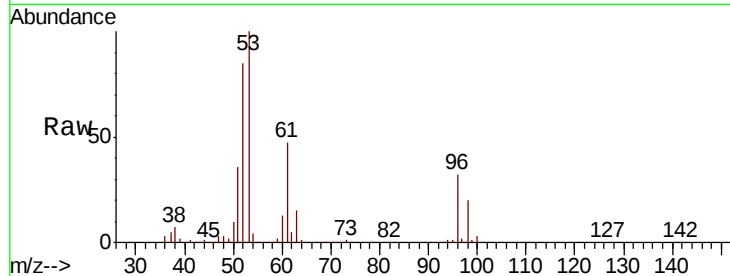
Tot Ion: 96 Resp: 128534

Ion Ratio Lower Upper

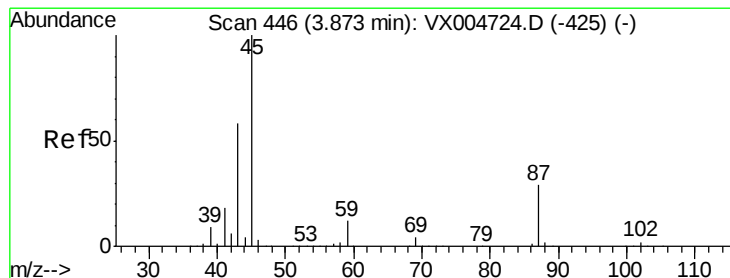
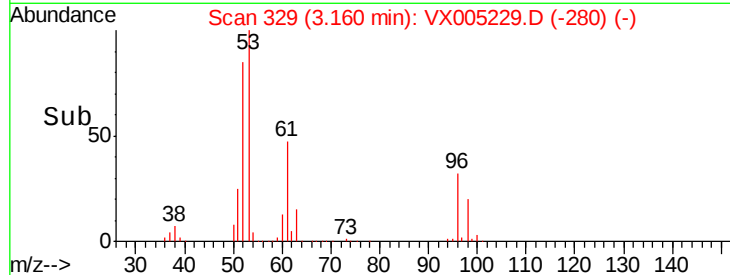
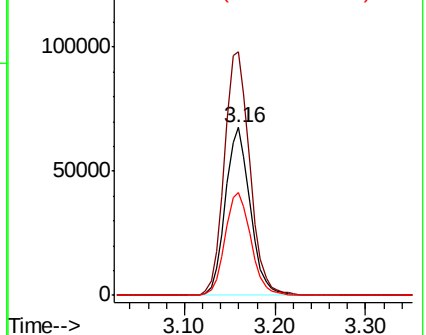
96 100

61 145.1 101.0 151.6

98 61.7 47.2 70.8



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



#22

Diisopropyl ether

Concen: 50.827 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.00 min

Lab File: VX005229.D

Acq: 11 Oct 2018 02:43

Tgt Ion: 45 Resp: 437136

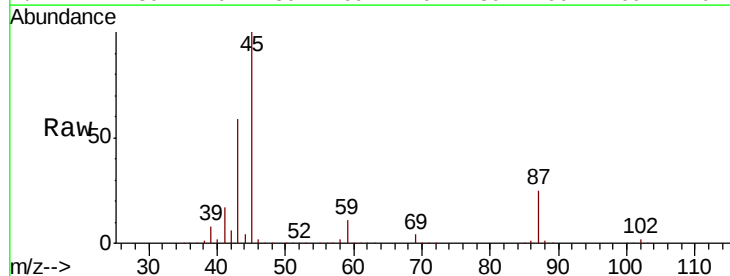
Ion Ratio Lower Upper

45 100

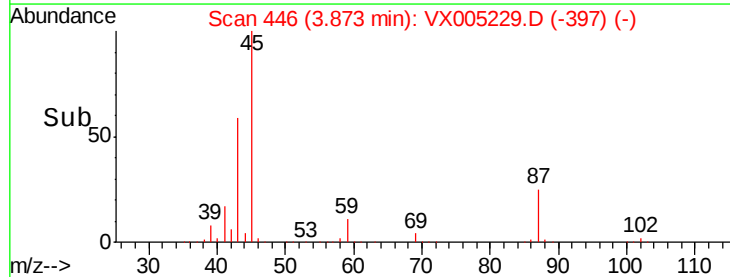
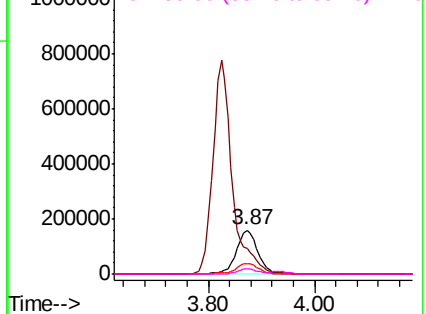
43 58.7 46.7 70.1

87 24.8 22.9 34.3

59 10.9 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: 247.748 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX005229.D

Acq: 11 Oct 2018 02:43

Instrument :

MSVOA_X

ClientSampleId :

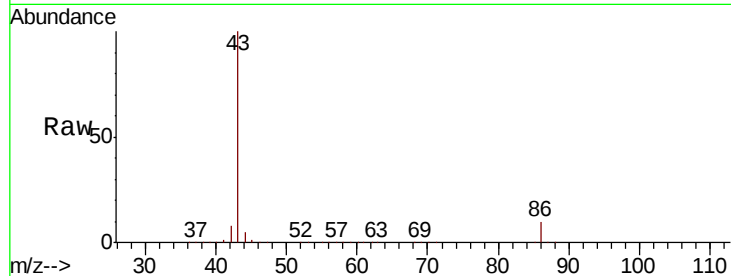
VSTDCCC050

Tot Ion: 43 Resp: 1950392

Ion Ratio Lower Upper

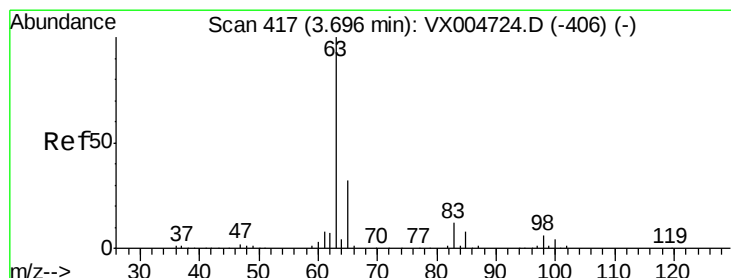
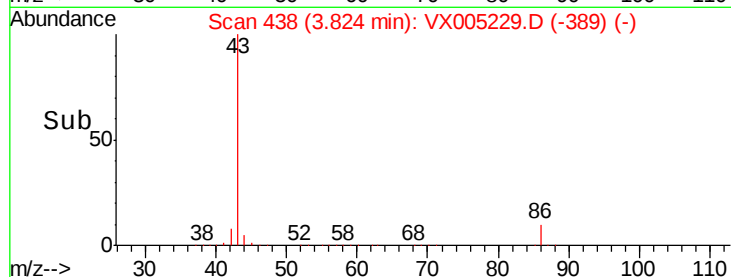
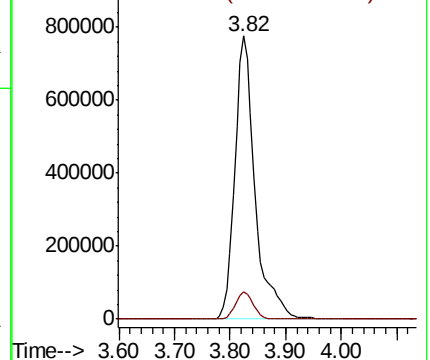
43 100

86 9.6 8.1 12.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 50.827 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.01 min

Lab File: VX005229.D

Acq: 11 Oct 2018 02:43

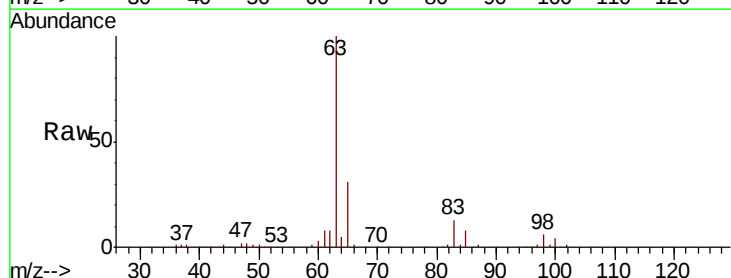
Tgt Ion: 63 Resp: 260755

Ion Ratio Lower Upper

63 100

98 6.3 3.0 9.2

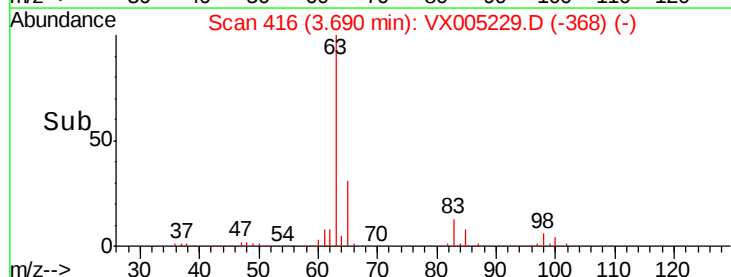
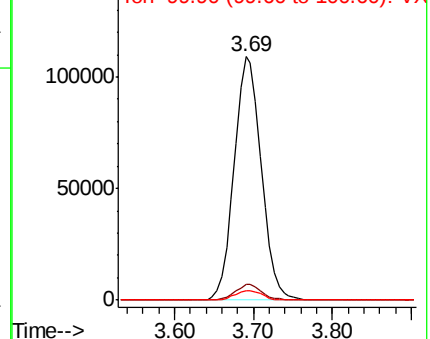
100 3.8 2.0 5.8

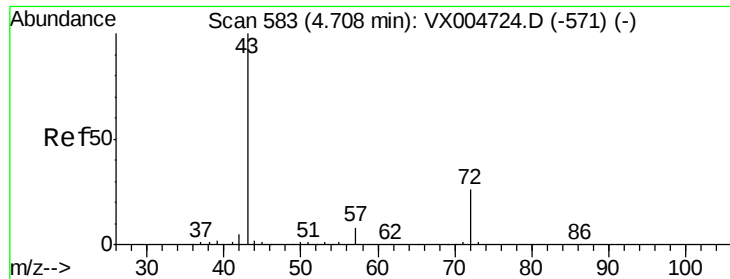


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 249.760 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.00 min

Lab File: VX005229.D

Acq: 11 Oct 2018 02:43

Instrument :

MSVOA_X

ClientSampleId :

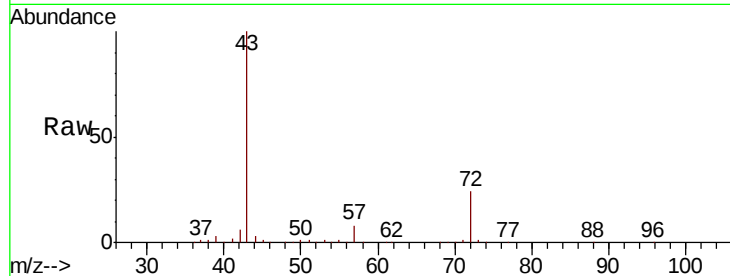
VSTDCCC050

Tot Ion: 43 Resp: 663298

Ion Ratio Lower Upper

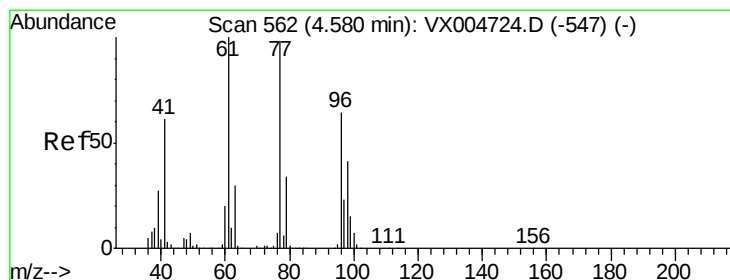
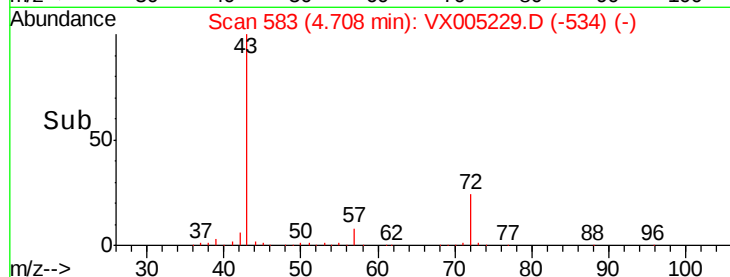
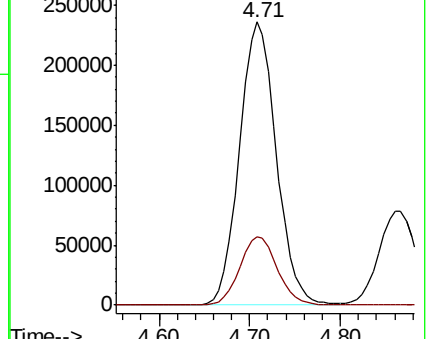
43 100

72 23.9 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 33.934 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX005229.D

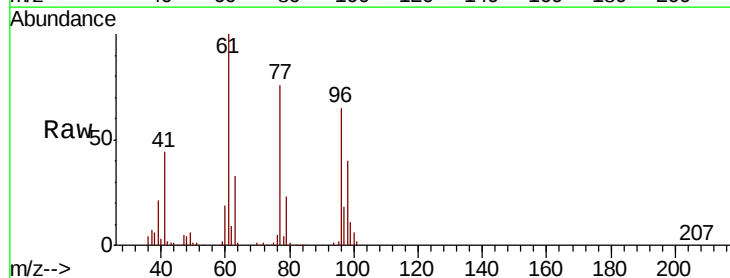
Acq: 11 Oct 2018 02:43

Tgt Ion: 77 Resp: 121229

Ion Ratio Lower Upper

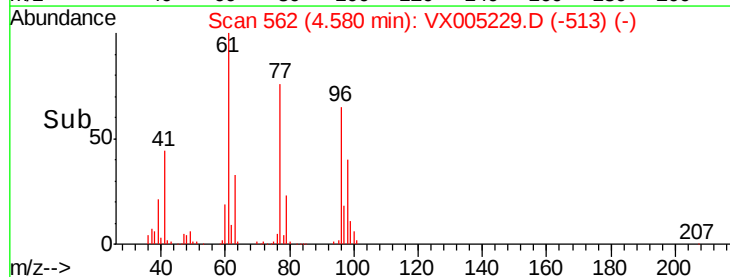
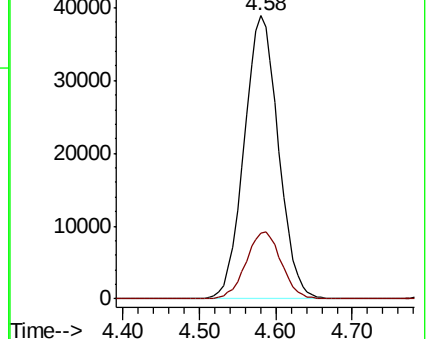
77 100

97 24.3 12.6 37.8



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

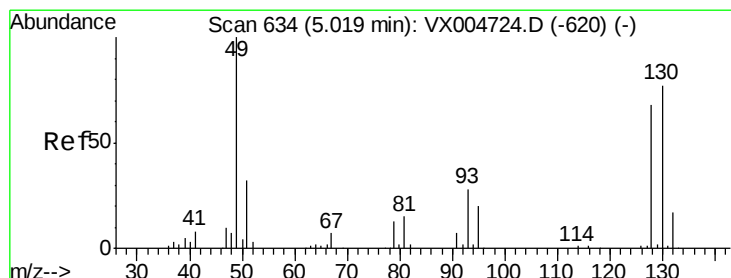
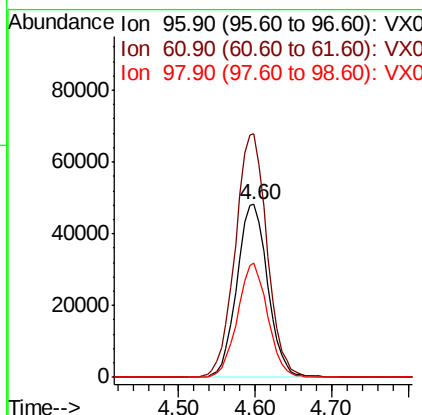
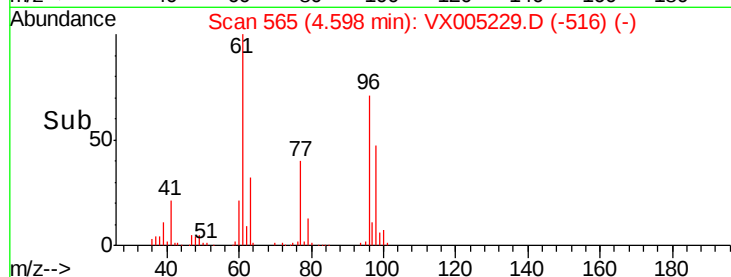
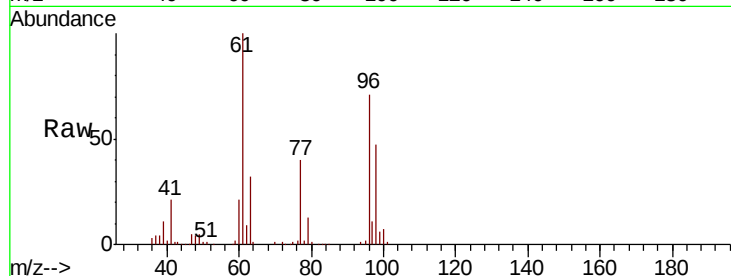




#27
 cis-1,2-Dichloroethene
 Concen: 47.169 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX005229.D
 Acq: 11 Oct 2018 02:43

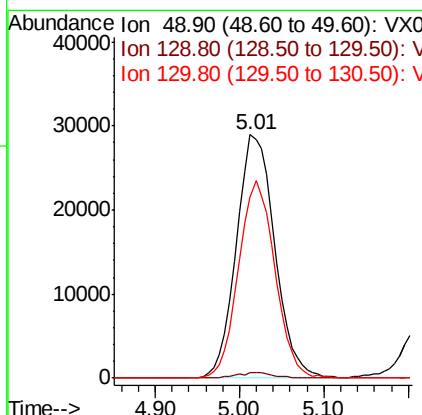
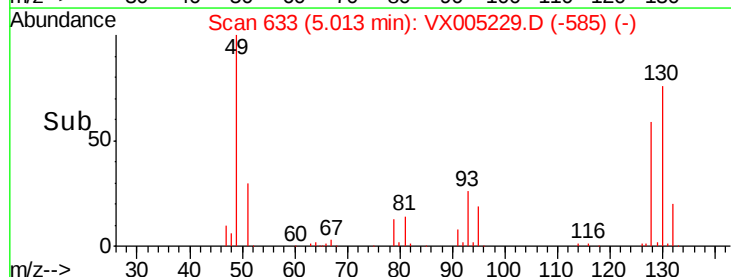
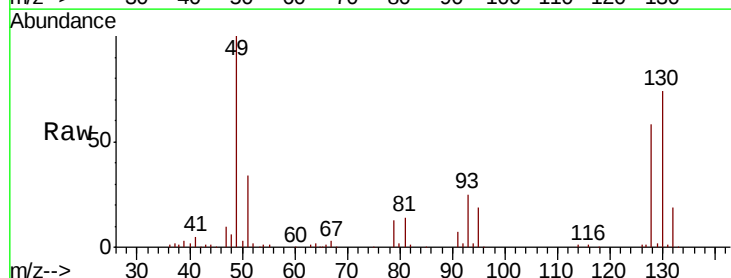
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

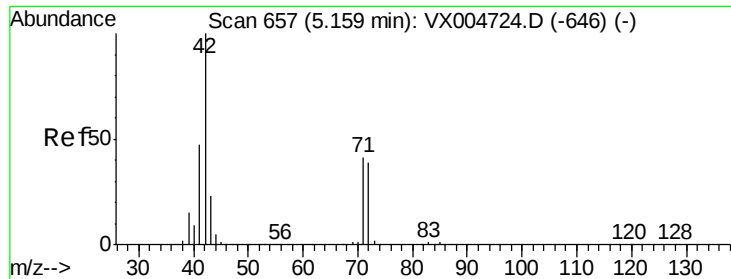
Tot Ion: 96 Resp: 135023
 Ion Ratio Lower Upper
 96 100
 61 144.6 0.0 285.8
 98 64.6 0.0 136.2



#28
 Bromochloromethane
 Concen: 37.098 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. -0.01 min
 Lab File: VX005229.D
 Acq: 11 Oct 2018 02:43

Tgt Ion: 49 Resp: 89624
 Ion Ratio Lower Upper
 49 100
 129 2.1 0.0 4.2
 130 76.5 62.0 93.0

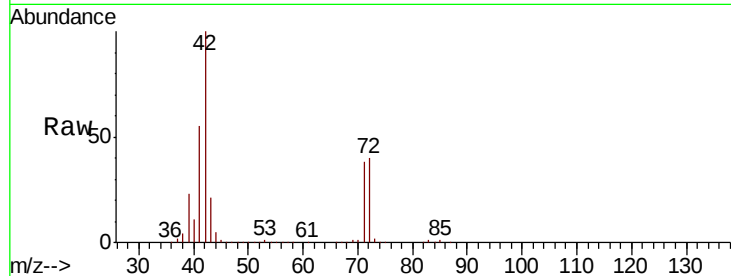




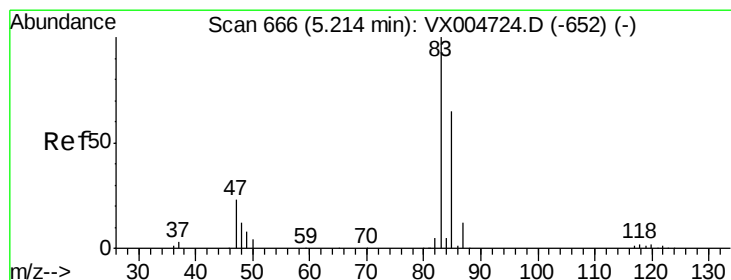
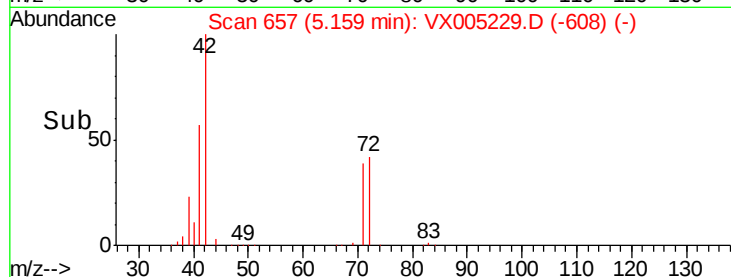
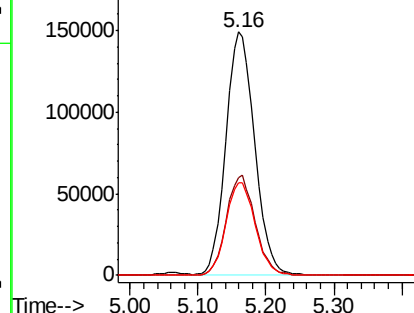
#29
Tetrahydrofuran
Concen: 264.925 ug/l
RT: 5.16 min Scan# 657
Delta R.T. 0.00 min
Lab File: VX005229.D
Acq: 11 Oct 2018 02:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 42 Resp: 437295
Ion Ratio Lower Upper
42 100
72 41.2 33.7 50.5
71 38.6 32.2 48.4

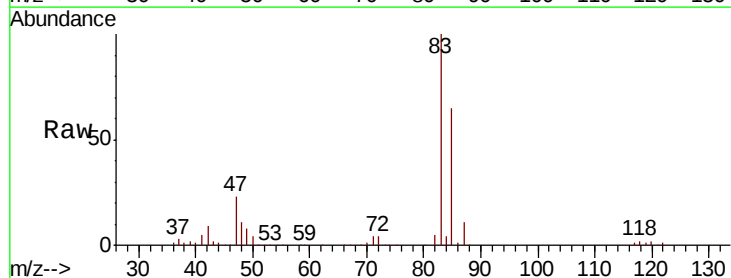


Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0

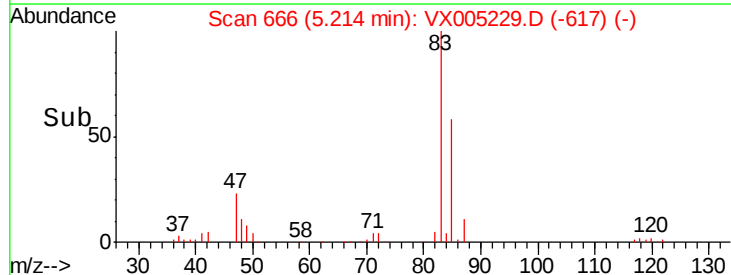
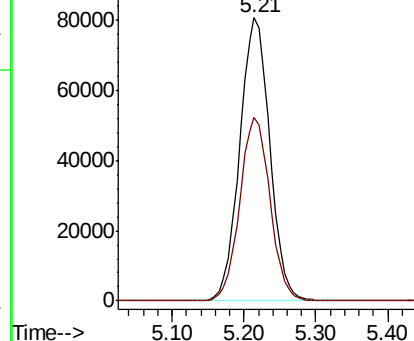


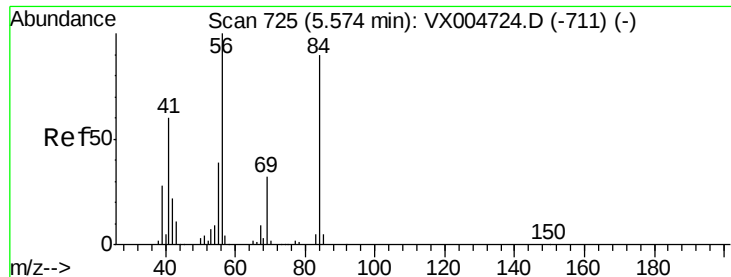
#30
Chloroform
Concen: 48.292 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX005229.D
Acq: 11 Oct 2018 02:43

Tgt Ion: 83 Resp: 234149
Ion Ratio Lower Upper
83 100
85 65.0 52.4 78.6



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0

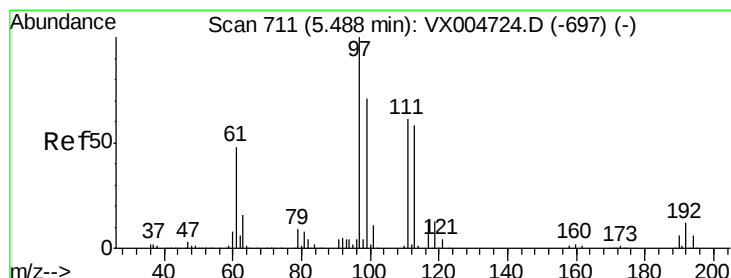
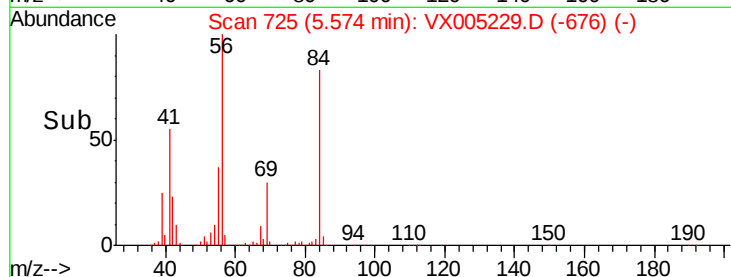
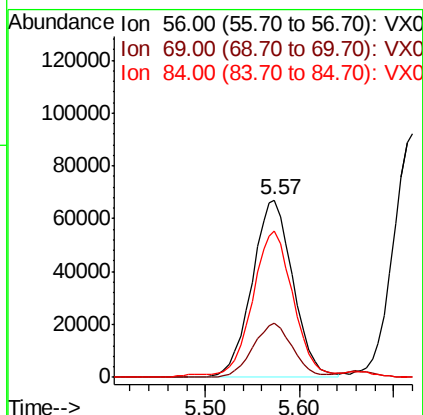
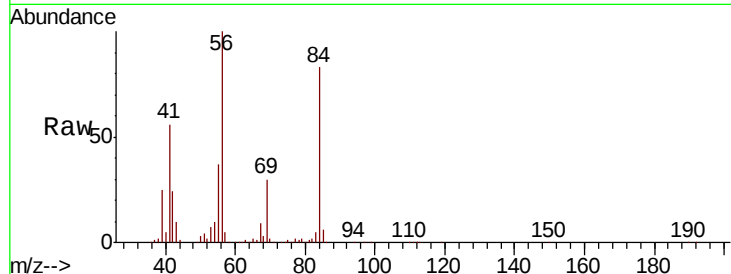




#31
Cyclohexane
Concen: 51.950 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX005229.D
Acq: 11 Oct 2018 02:43

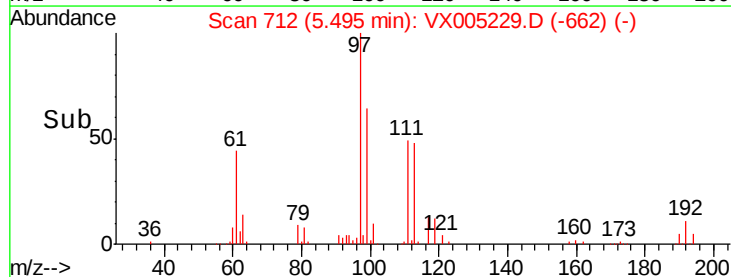
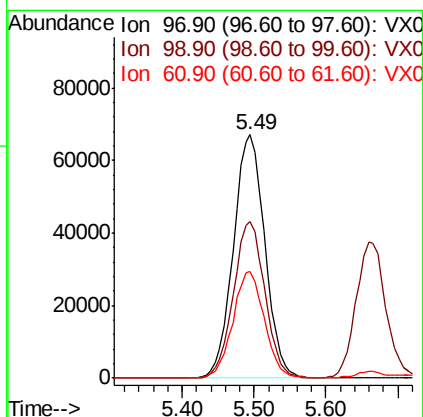
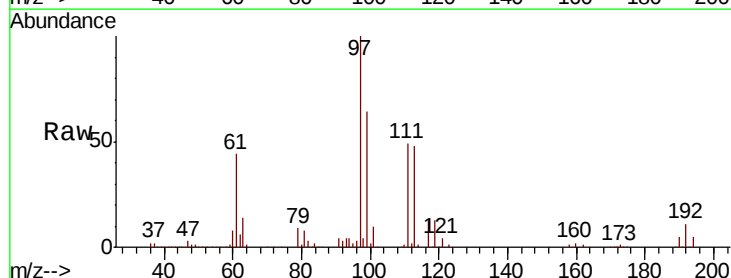
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 203985
Ion Ratio Lower Upper
56 100
69 30.4 25.9 38.9
84 81.1 71.9 107.9



#32
1,1,1-Trichloroethane
Concen: 51.334 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.01 min
Lab File: VX005229.D
Acq: 11 Oct 2018 02:43

Tgt Ion: 97 Resp: 203268
Ion Ratio Lower Upper
97 100
99 64.4 54.6 82.0
61 44.1 37.5 56.3





#33

1,2-Dichloroethane-d4

Concen: 39.555 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX005229.D

Acq: 11 Oct 2018 02:43

Instrument :

MSVOA_X

ClientSampleId :

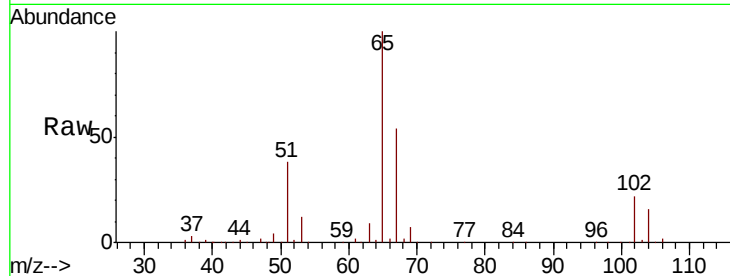
VSTDCCC050

Tot Ion: 65 Resp: 122067

Ion Ratio Lower Upper

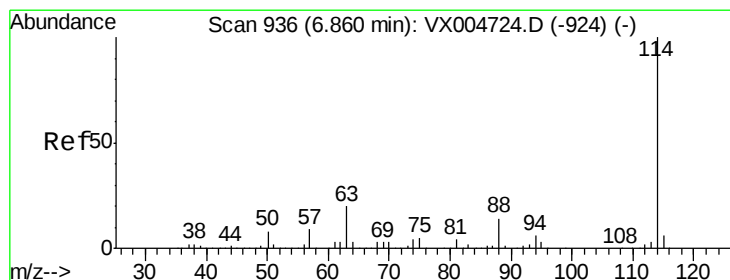
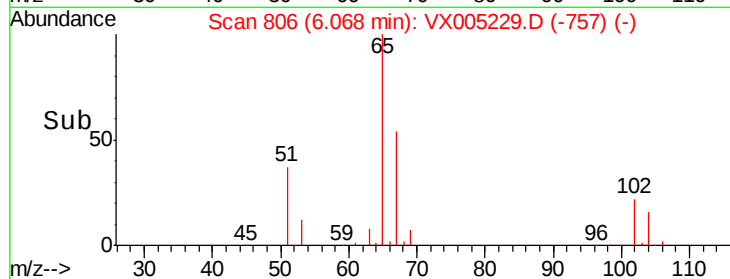
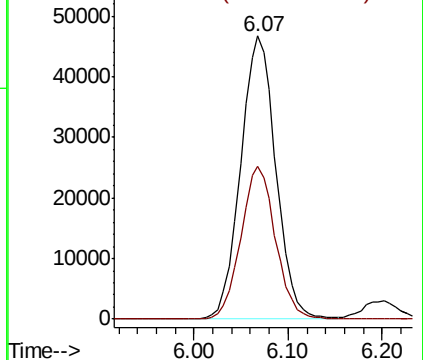
65 100

67 53.2 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX005229.D

Acq: 11 Oct 2018 02:43

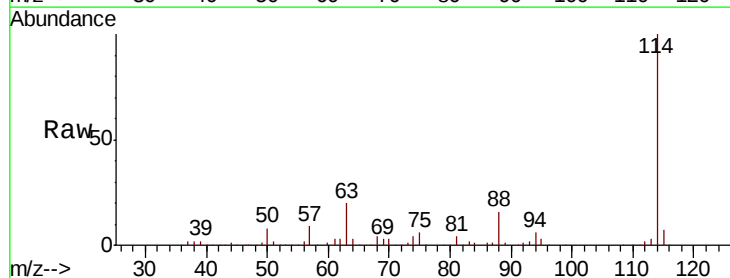
Tgt Ion: 114 Resp: 316856

Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.8

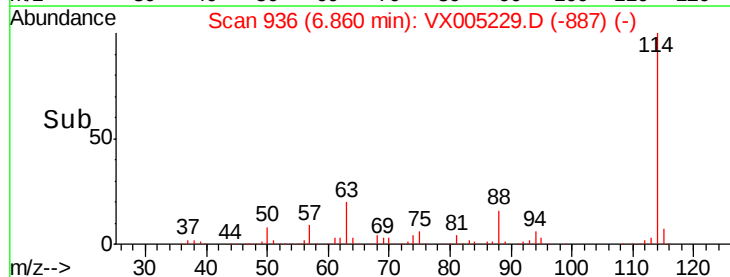
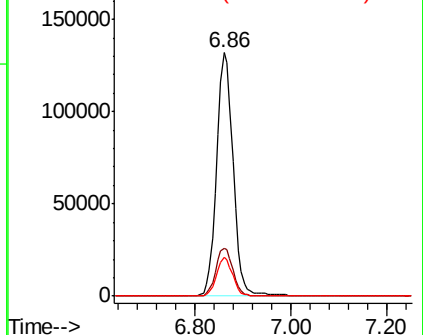
88 16.0 0.0 27.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

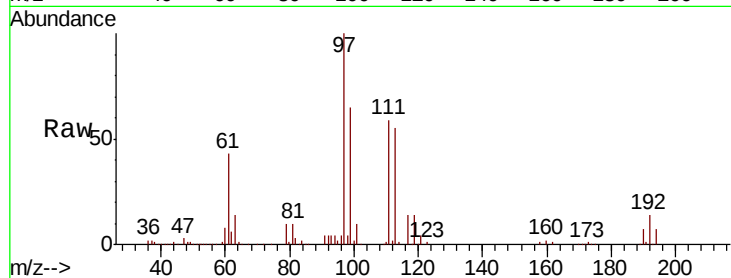




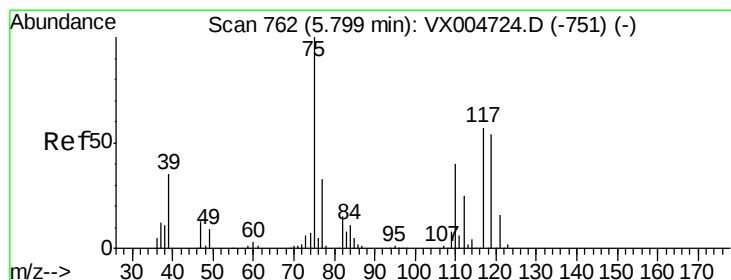
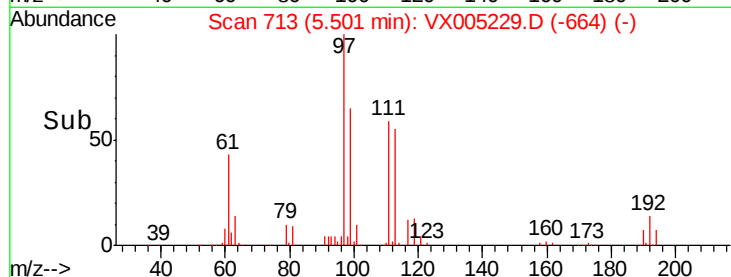
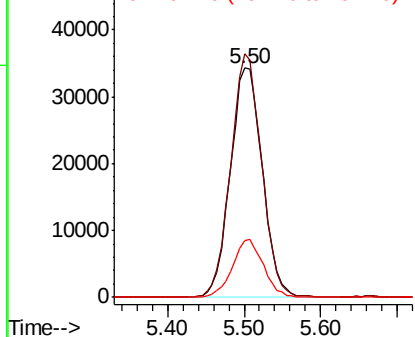
#35
 Dibromofluoromethane
 Concen: 37.047 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX005229.D
 Acq: 11 Oct 2018 02:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:113 Resp: 99486
 Ion Ratio Lower Upper
 113 100
 111 102.4 77.0 115.4
 192 24.1 17.0 25.6

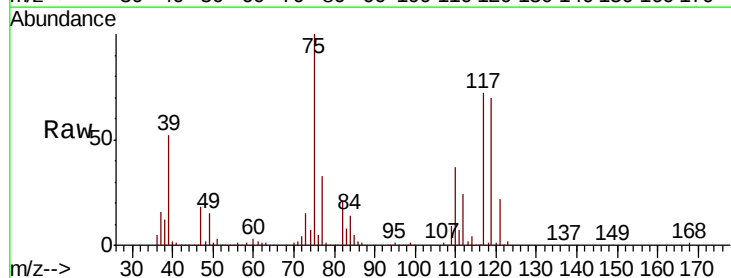


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

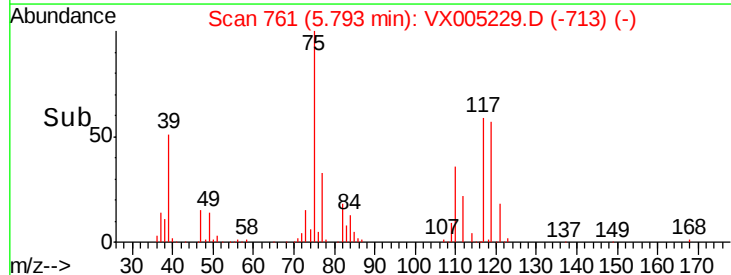
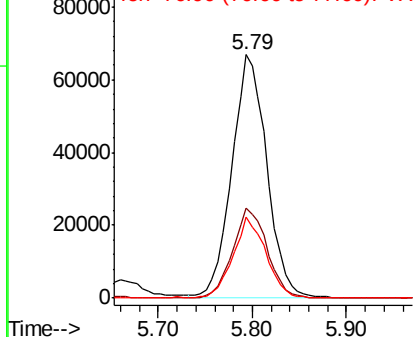


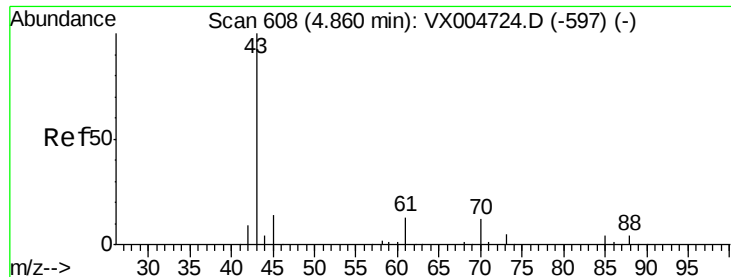
#36
 1,1-Dichloropropene
 Concen: 46.963 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: VX005229.D
 Acq: 11 Oct 2018 02:43

Tgt Ion: 75 Resp: 172065
 Ion Ratio Lower Upper
 75 100
 110 36.7 20.0 59.9
 77 31.7 27.1 40.7



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: 47.637 ug/l

RT: 4.86 min Scan# 608

Delta R.T. 0.00 min

Lab File: VX005229.D

Acq: 11 Oct 2018 02:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

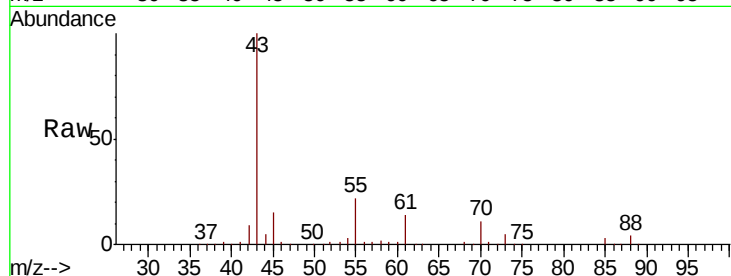
Tot Ion: 43 Resp: 231680

Ion Ratio Lower Upper

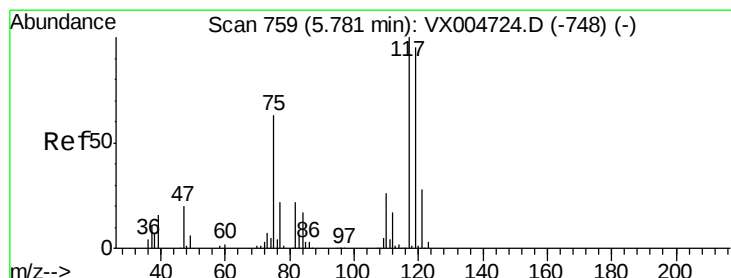
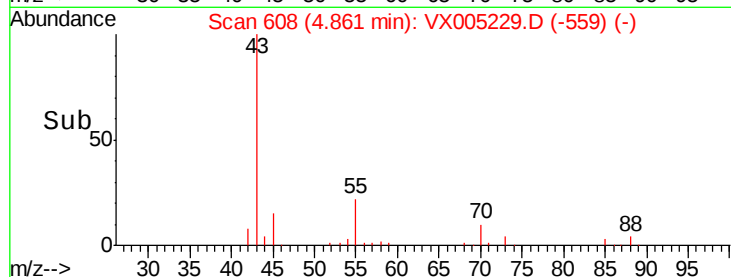
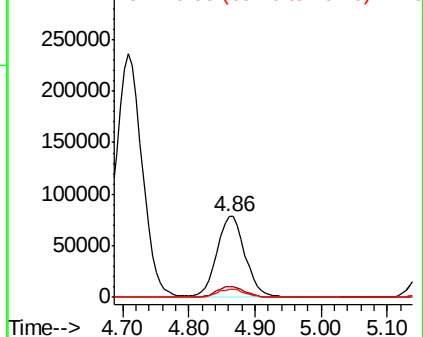
43 100

61 13.9 10.4 15.6

70 10.2 8.7 13.1



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 47.342 ug/l

RT: 5.78 min Scan# 759

Delta R.T. 0.00 min

Lab File: VX005229.D

Acq: 11 Oct 2018 02:43

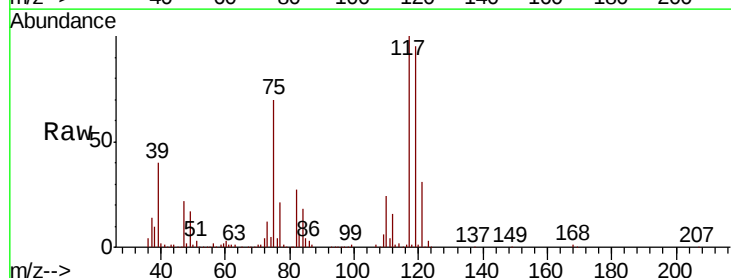
Tgt Ion: 117 Resp: 182332

Ion Ratio Lower Upper

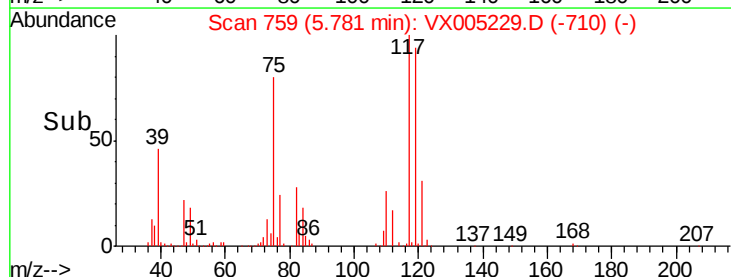
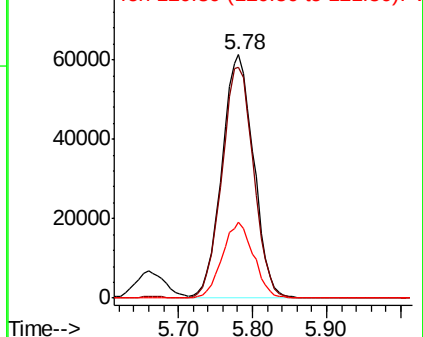
117 100

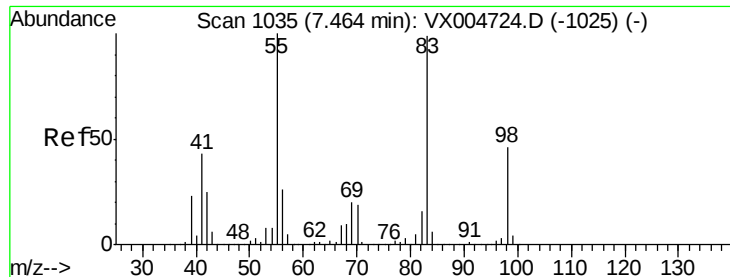
119 94.6 75.2 112.8

121 31.1 22.5 33.7



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

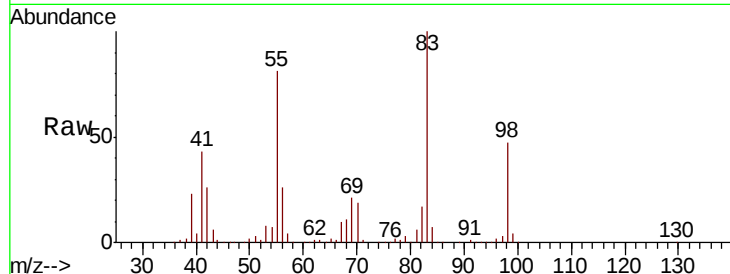




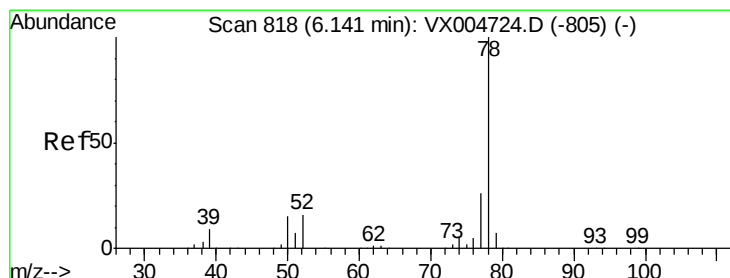
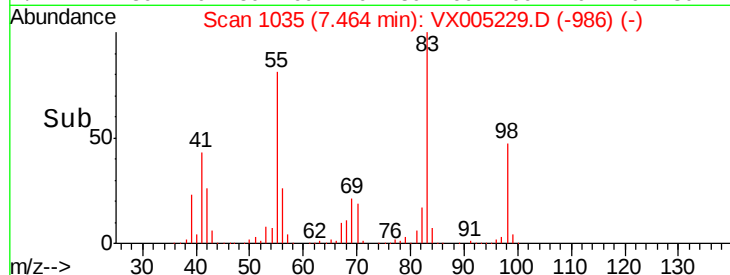
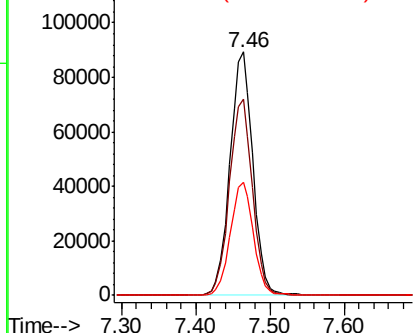
#39
Methvlcvclohexane
Concen: 51.503 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX005229.D
Acq: 11 Oct 2018 02:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 192685
Ion Ratio Lower Upper
83 100
55 80.6 81.1 121.7#
98 46.6 37.3 55.9

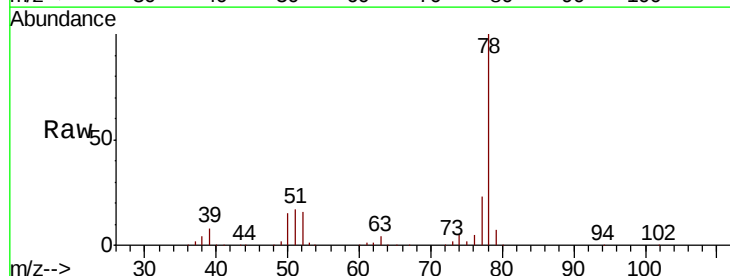


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

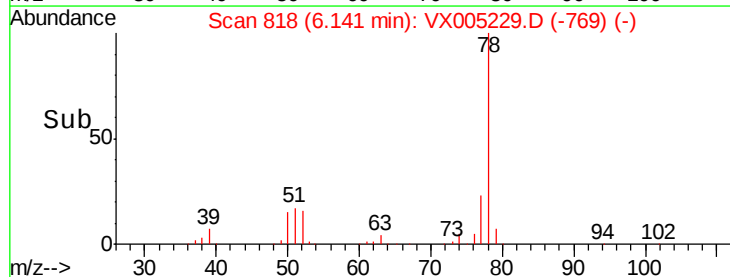
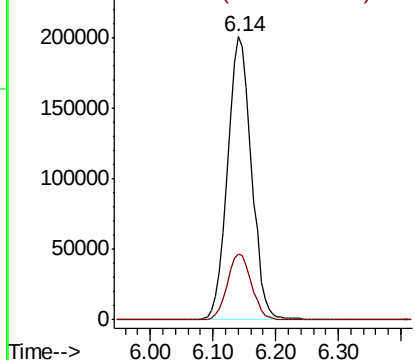


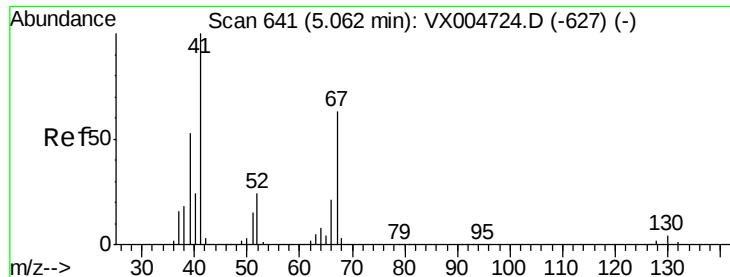
#40
Benzene
Concen: 46.270 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX005229.D
Acq: 11 Oct 2018 02:43

Tgt Ion: 78 Resp: 530743
Ion Ratio Lower Upper
78 100
77 23.3 21.0 31.4



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

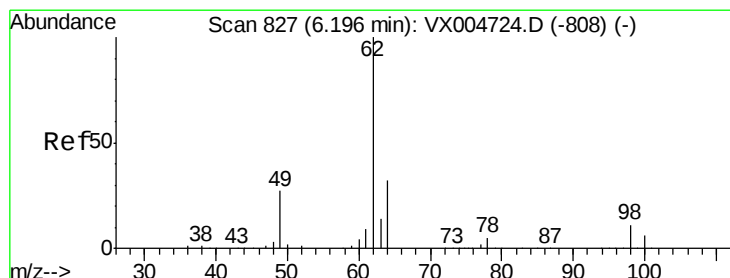
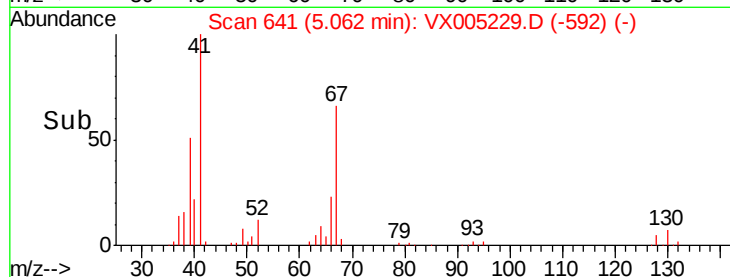
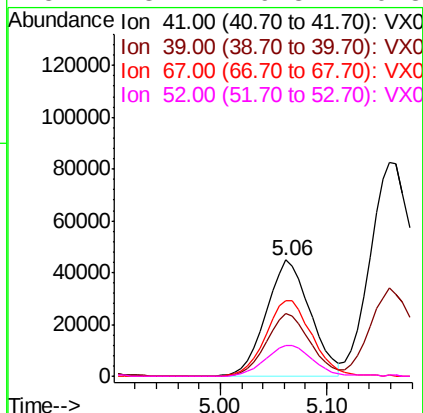
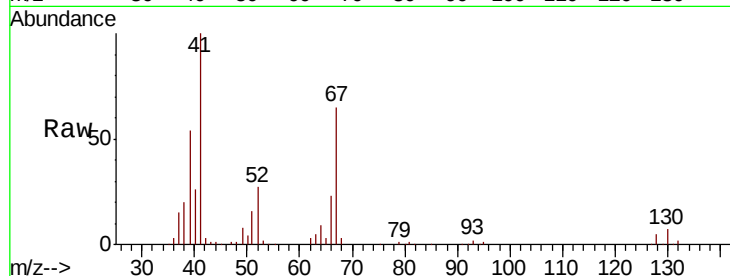




#41
Methacrylonitrile
Concen: 47.519 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.00 min
Lab File: VX005229.D
Acq: 11 Oct 2018 02:43

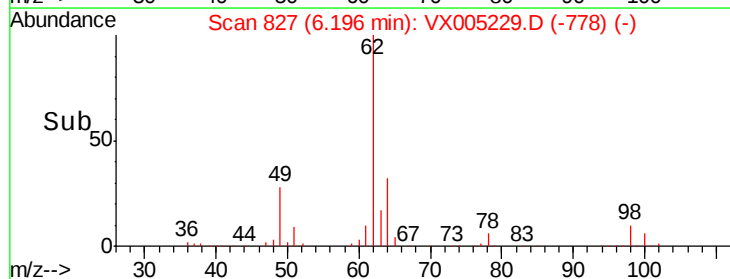
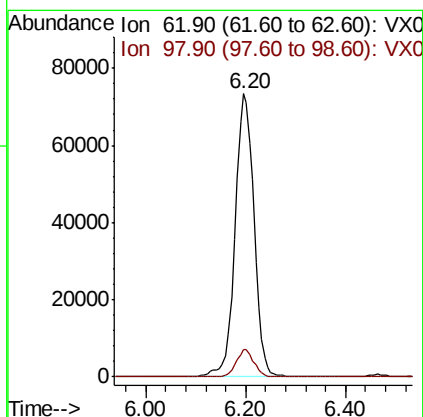
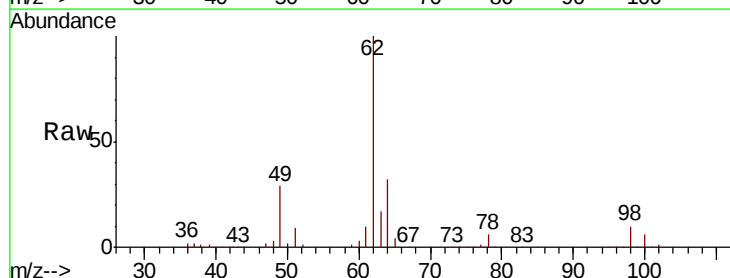
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

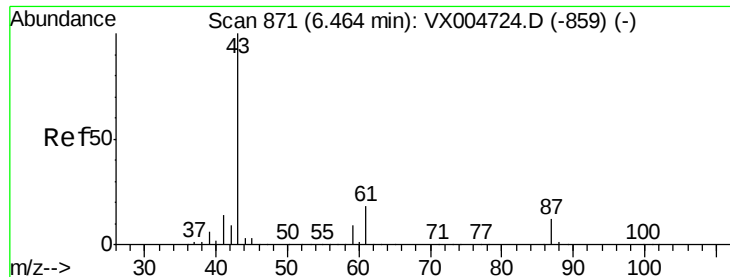
Tot Ion:	41	Resp:	128167
Ion	Ratio	Lower	Upper
41	100		
39	54.4	42.5	63.7
67	68.5	53.0	79.6
52	28.2	19.8	29.8



#42
1,2-Dichloroethane
Concen: 47.748 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX005229.D
Acq: 11 Oct 2018 02:43

Tgt Ion:	62	Resp:	193615
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	20.2





#43

Isopropyl Acetate

Concen: 48.050 ug/l

RT: 6.47 min Scan# 872

Delta R.T. 0.01 min

Lab File: VX005229.D

Acq: 11 Oct 2018 02:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

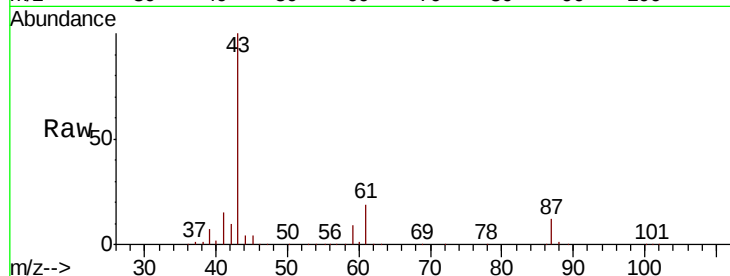
Tot Ion: 43 Resp: 337290

Ion Ratio Lower Upper

43 100

61 19.6 14.2 21.4

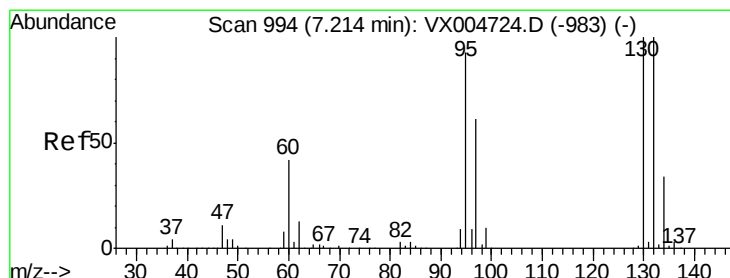
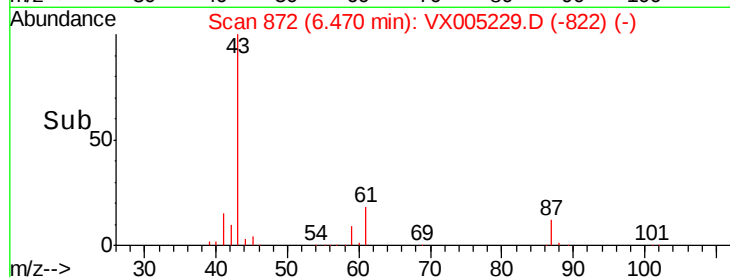
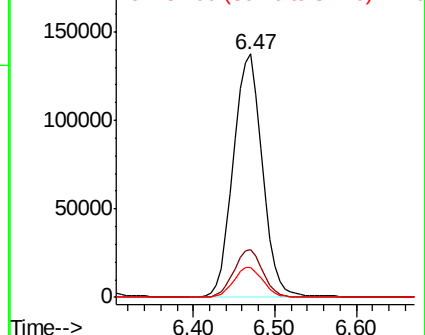
87 12.5 9.3 13.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 49.840 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX005229.D

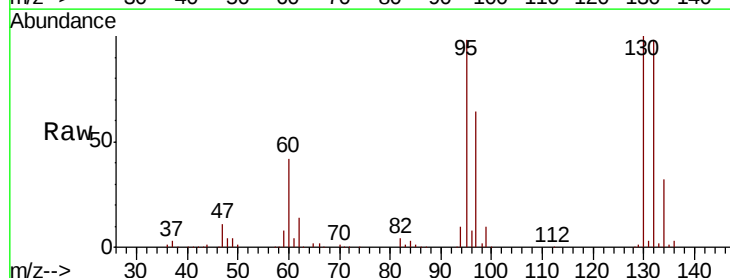
Acq: 11 Oct 2018 02:43

Tgt Ion:130 Resp: 140539

Ion Ratio Lower Upper

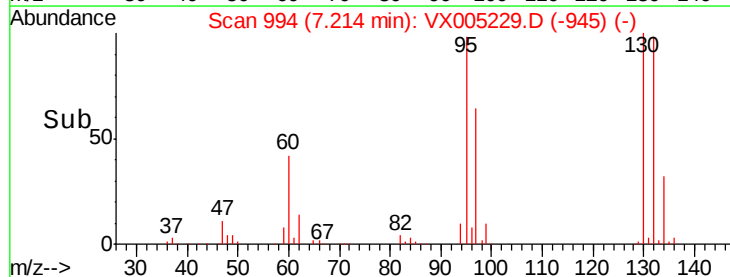
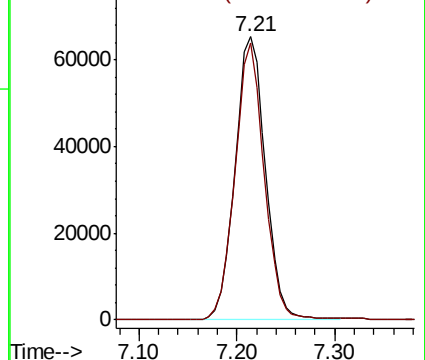
130 100

95 98.1 0.0 186.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 50.514 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VX005229.D

Acq: 11 Oct 2018 02:43

Instrument :

MSVOA_X

ClientSampleId :

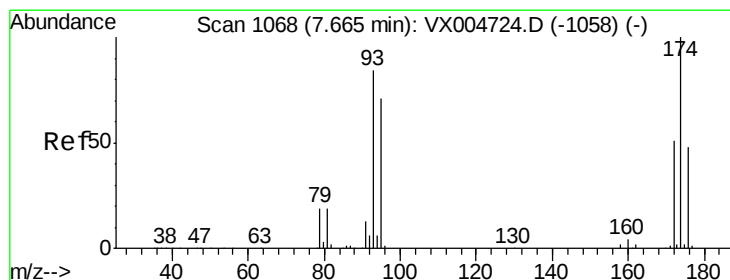
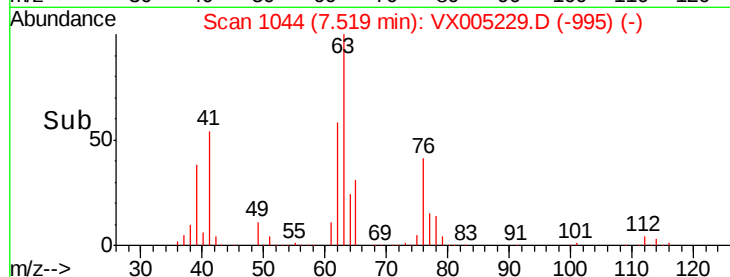
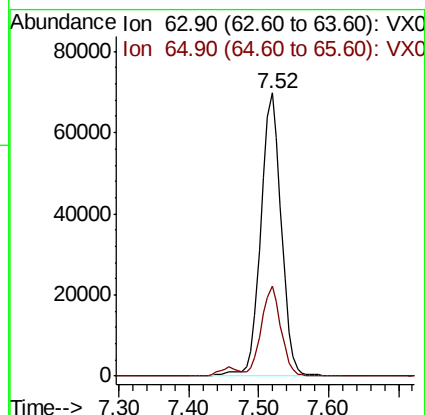
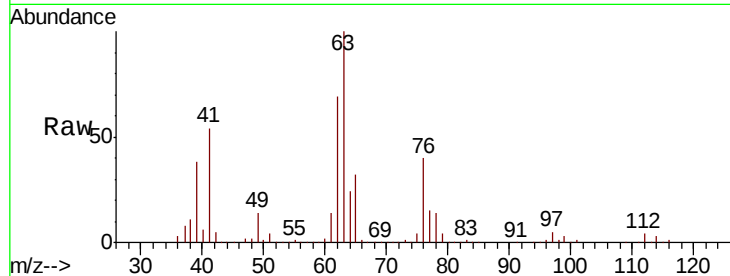
VSTDCCC050

Tot Ion: 63 Resp: 142091

Ion Ratio Lower Upper

63 100

65 31.9 23.9 35.9



#46

Dibromomethane

Concen: 52.036 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VX005229.D

Acq: 11 Oct 2018 02:43

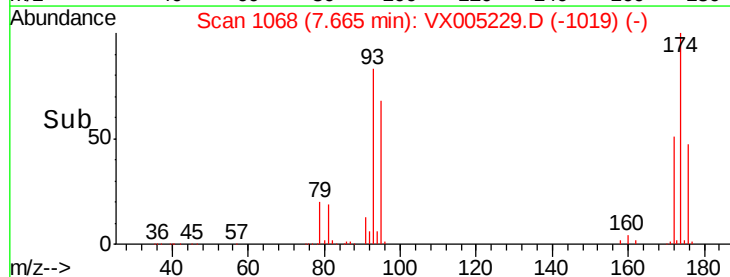
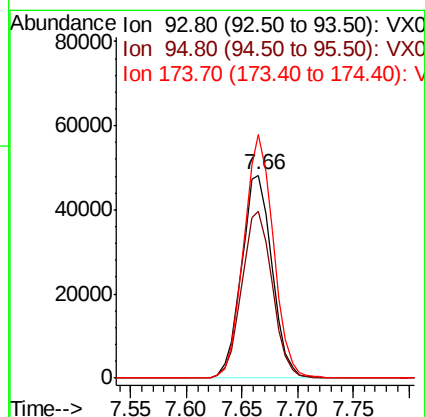
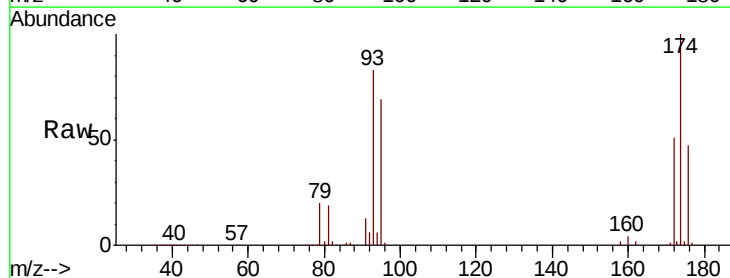
Tgt Ion: 93 Resp: 91990

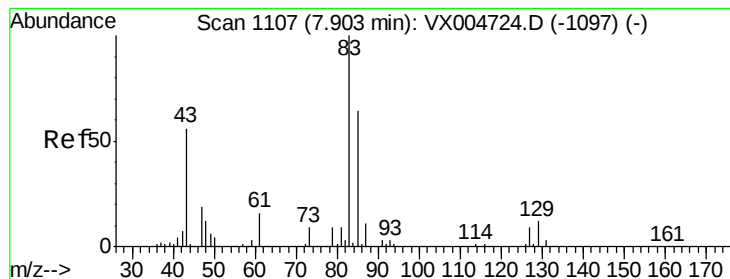
Ion Ratio Lower Upper

93 100

95 82.1 66.7 100.1

174 116.7 92.7 139.1





#47

Bromodichloromethane

Concen: 54.048 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VX005229.D

Acq: 11 Oct 2018 02:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

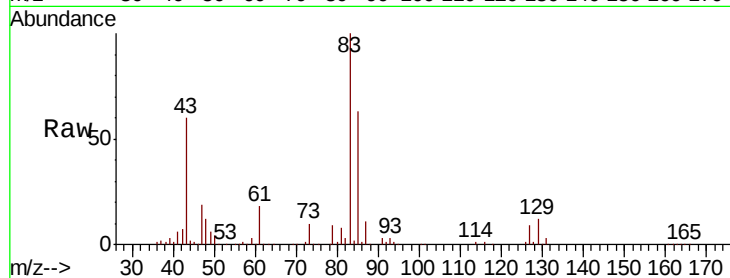
Tot Ion: 83 Resp: 178889

Ion Ratio Lower Upper

83 100

85 63.3 51.2 76.8

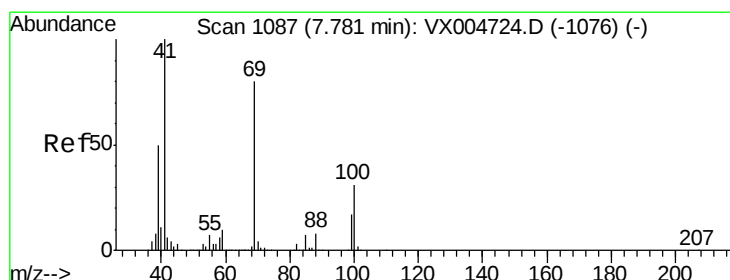
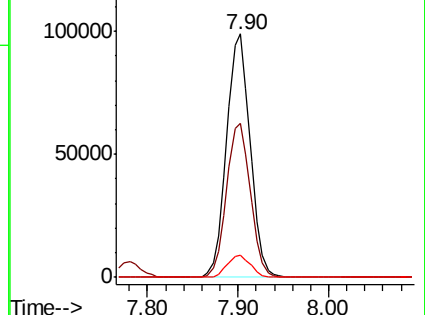
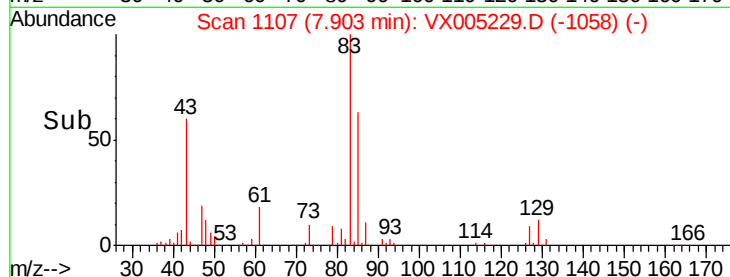
127 9.3 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 57.052 ug/l

RT: 7.78 min Scan# 1087

Delta R.T. 0.00 min

Lab File: VX005229.D

Acq: 11 Oct 2018 02:43

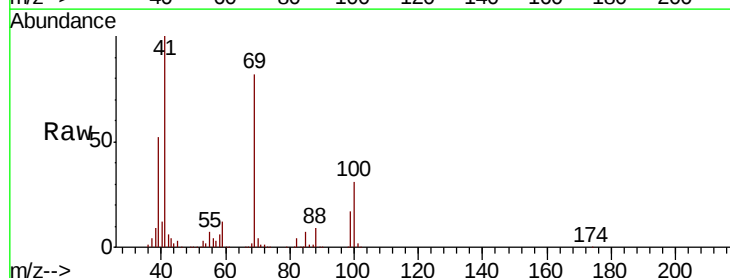
Tgt Ion: 41 Resp: 181775

Ion Ratio Lower Upper

41 100

69 80.8 63.8 95.6

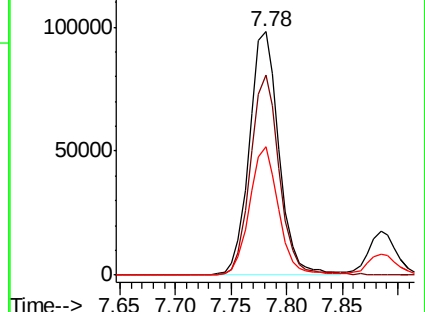
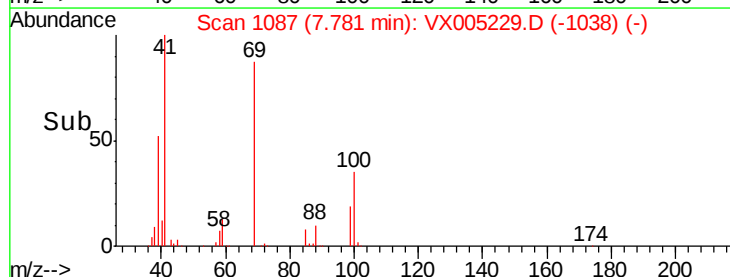
39 51.2 40.7 61.1

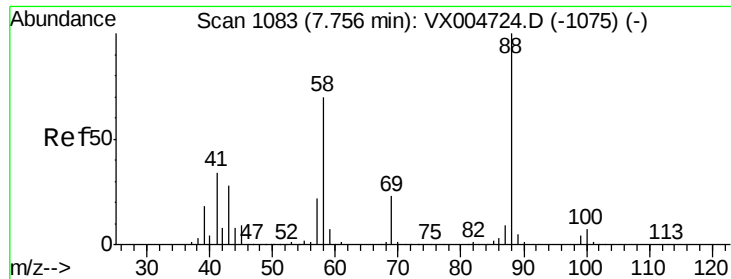


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

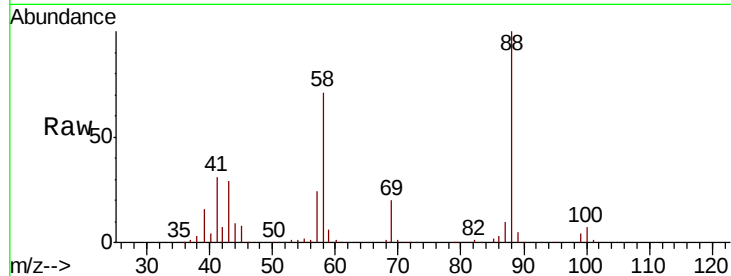




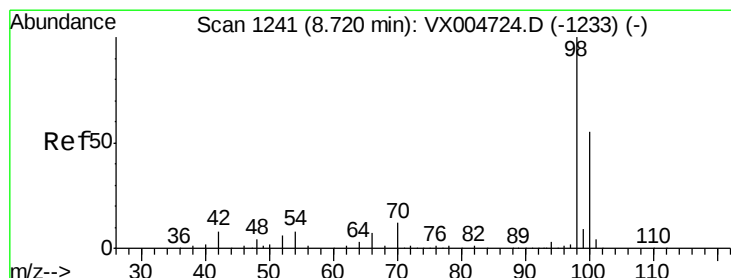
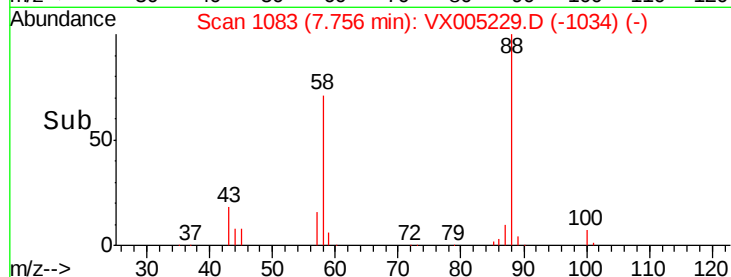
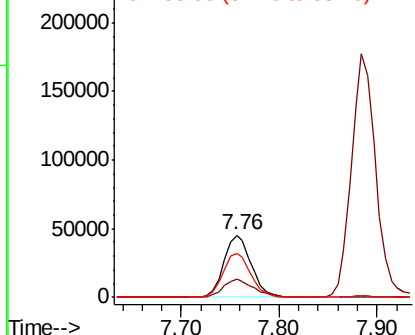
#49
1,4-Dioxane
Concen: 1104.676 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.00 min
Lab File: VX005229.D
Acq: 11 Oct 2018 02:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 87441
Ion Ratio Lower Upper
88 100
43 32.7 25.1 37.7
58 72.7 56.2 84.2

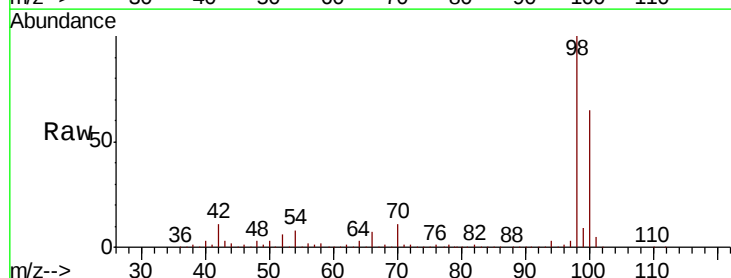


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

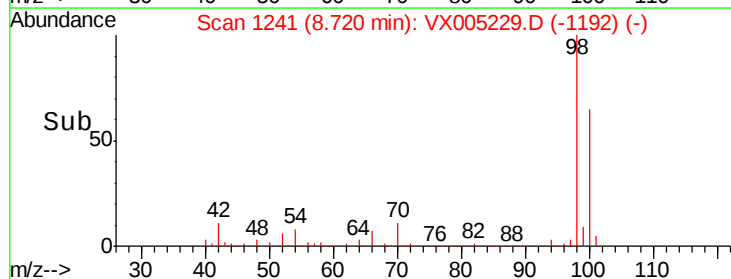
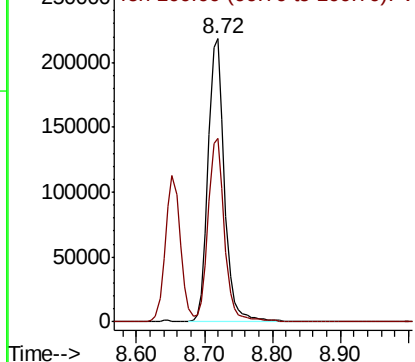


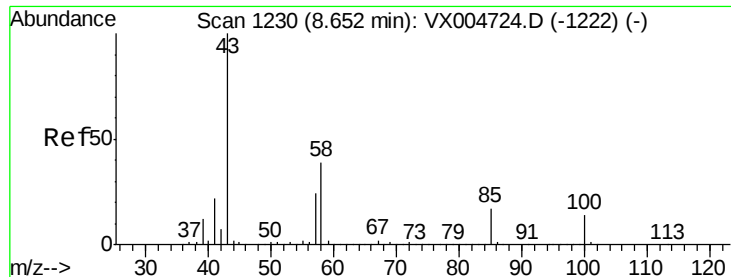
#50
Toluene-d8
Concen: 40.819 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VX005229.D
Acq: 11 Oct 2018 02:43

Tgt Ion: 98 Resp: 364414
Ion Ratio Lower Upper
98 100
100 65.4 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 282.176 ug/l

RT: 8.65 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VX005229.D

Acq: 11 Oct 2018 02:43

Instrument :

MSVOA_X

ClientSampleId :

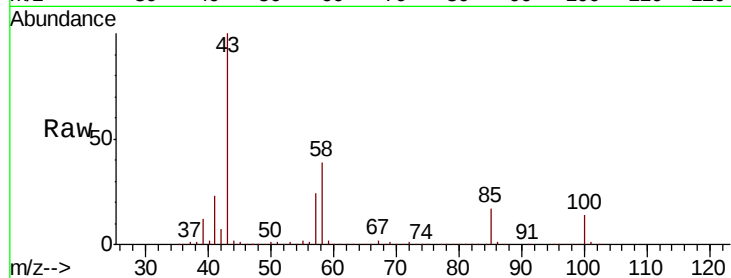
VSTDCCC050

Tot Ion: 43 Resp: 1247186

Ion Ratio Lower Upper

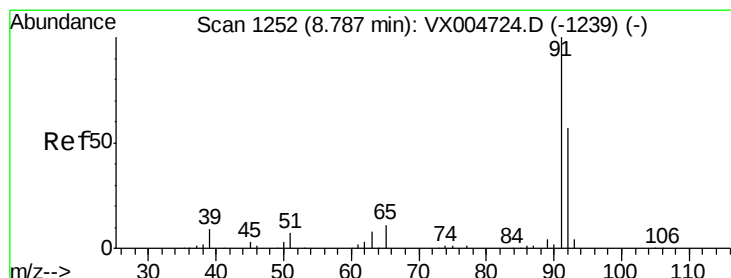
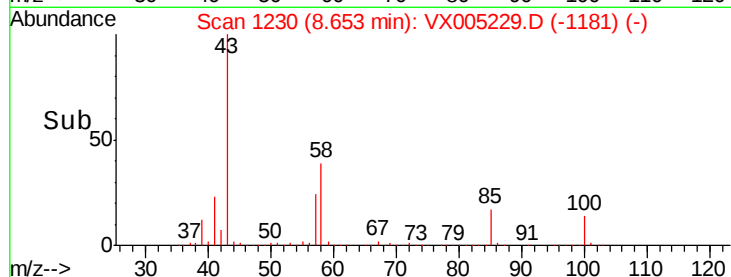
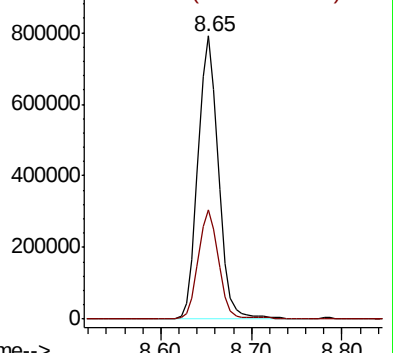
43 100

58 38.7 30.5 45.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 52.281 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX005229.D

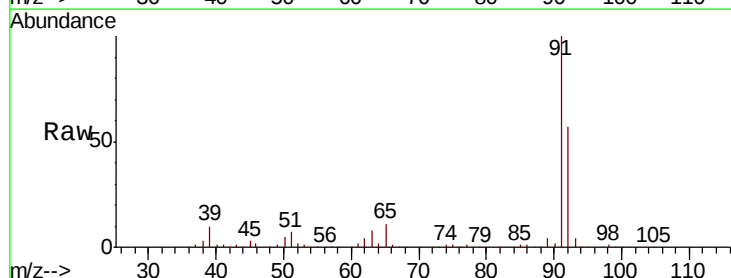
Acq: 11 Oct 2018 02:43

Tgt Ion: 92 Resp: 329518

Ion Ratio Lower Upper

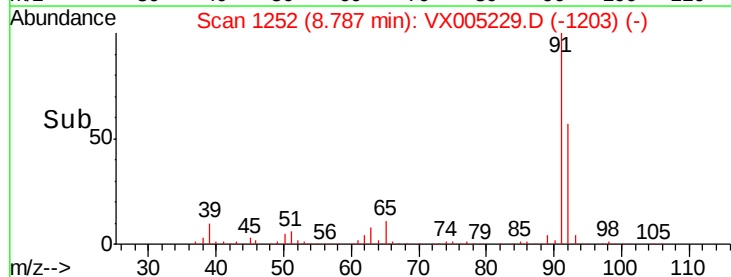
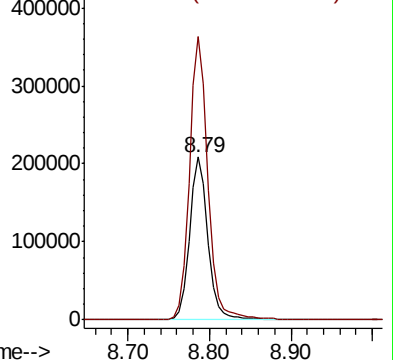
92 100

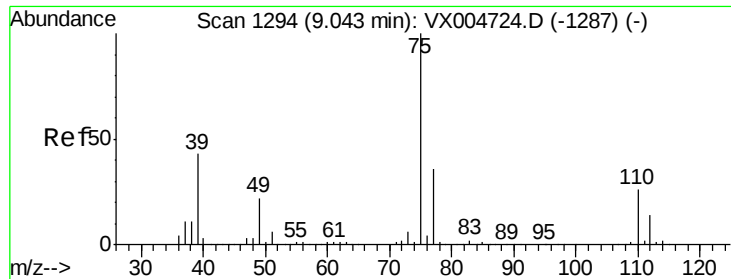
91 174.4 136.7 205.1



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 50.149 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX005229.D

Acq: 11 Oct 2018 02:43

Instrument :

MSVOA_X

ClientSampleId :

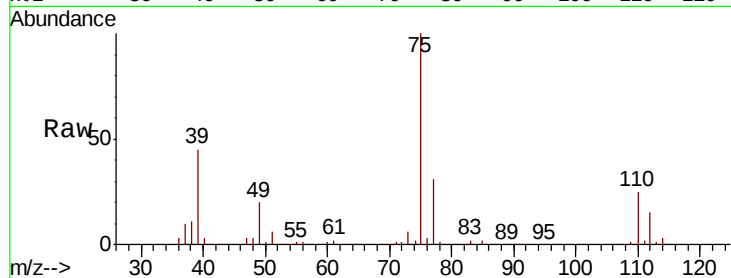
VSTDCCC050

Tot Ion: 75 Resp: 187570

Ion Ratio Lower Upper

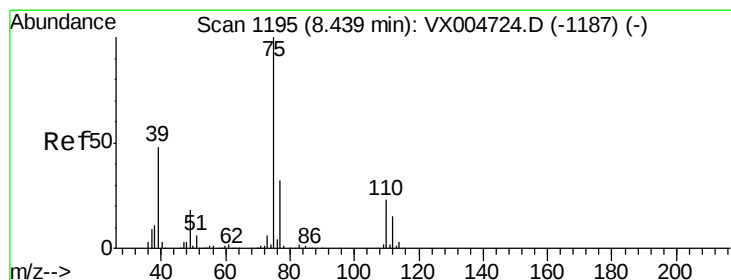
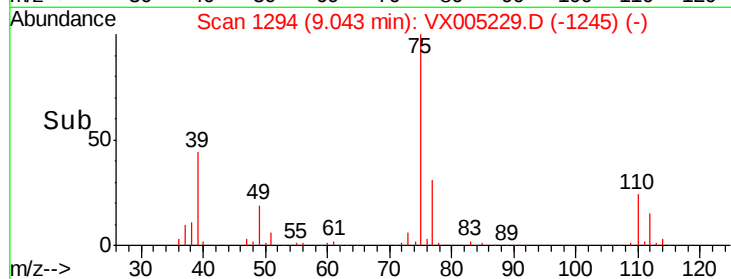
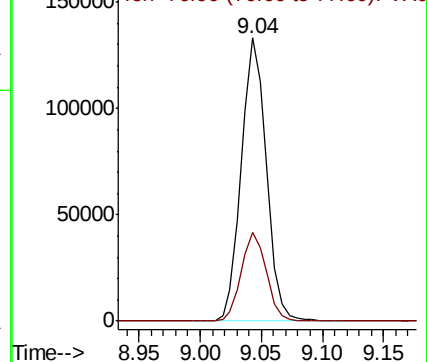
75 100

77 31.2 28.9 43.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 51.918 ug/l

RT: 8.44 min Scan# 1195

Delta R.T. 0.00 min

Lab File: VX005229.D

Acq: 11 Oct 2018 02:43

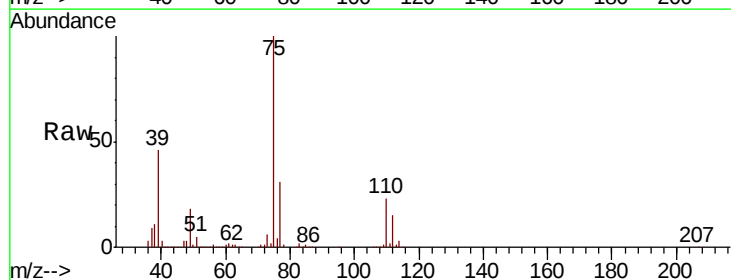
Tgt Ion: 75 Resp: 203393

Ion Ratio Lower Upper

75 100

77 31.5 25.7 38.5

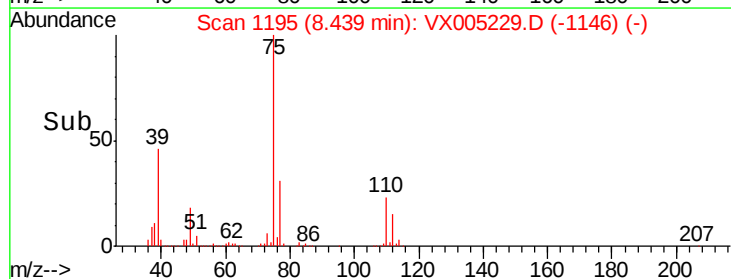
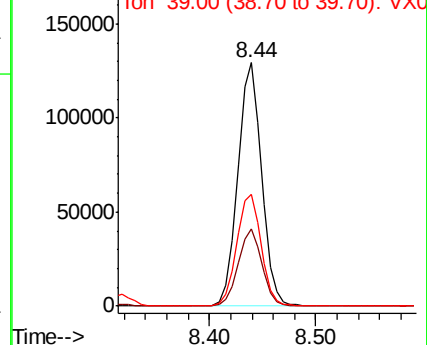
39 45.7 38.3 57.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

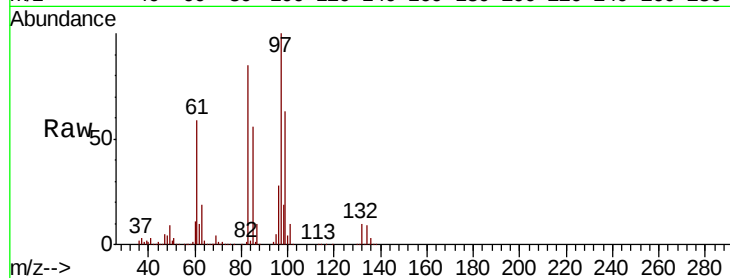




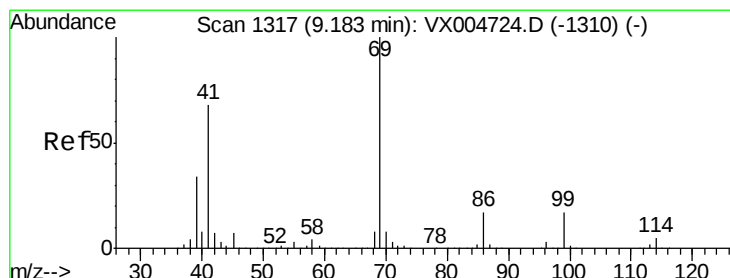
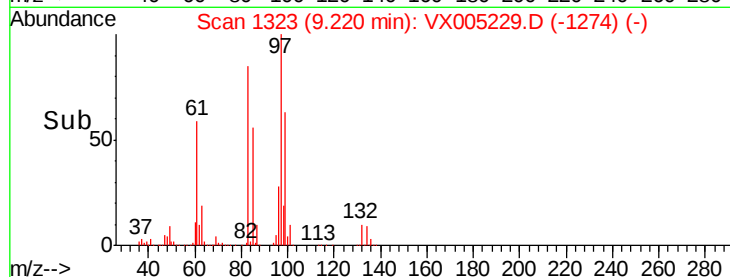
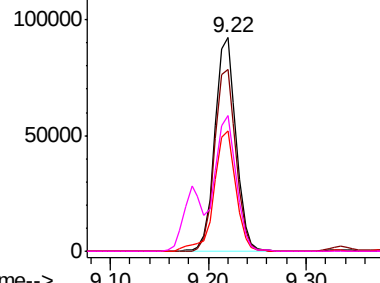
#55
 1,1,2-Trichloroethane
 Concen: 49.983 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VX005229.D
 Acq: 11 Oct 2018 02:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	137995
Ion	Ratio	Lower	Upper
97	100		
83	85.0	68.2	102.2
85	56.2	49.9	74.9
99	63.3	48.9	73.3

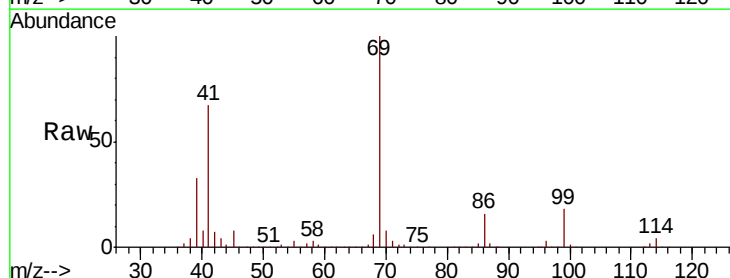


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

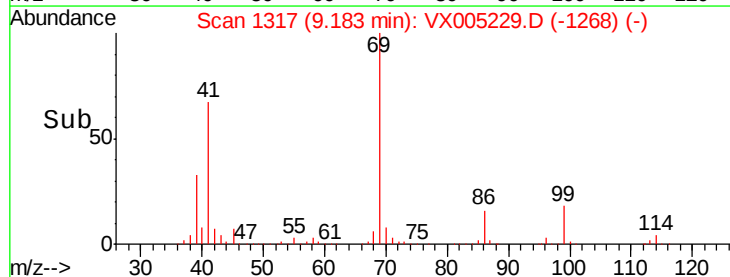
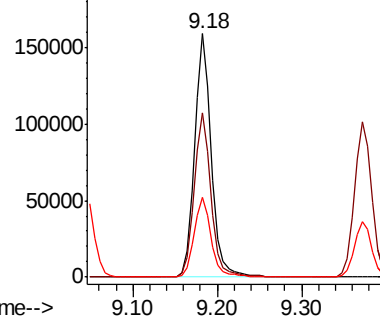


#56
 Ethyl methacrylate
 Concen: 48.604 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VX005229.D
 Acq: 11 Oct 2018 02:43

Tgt Ion:	69	Resp:	217370
Ion	Ratio	Lower	Upper
69	100		
41	68.0	56.9	85.3
39	33.4	28.4	42.6



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

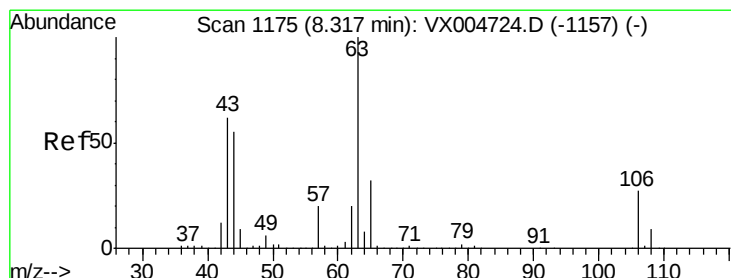
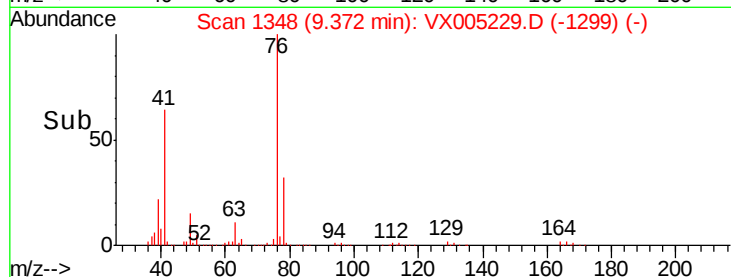
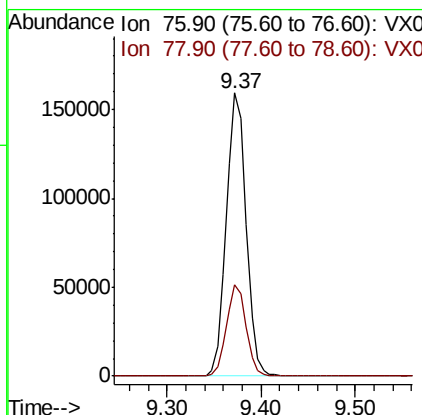
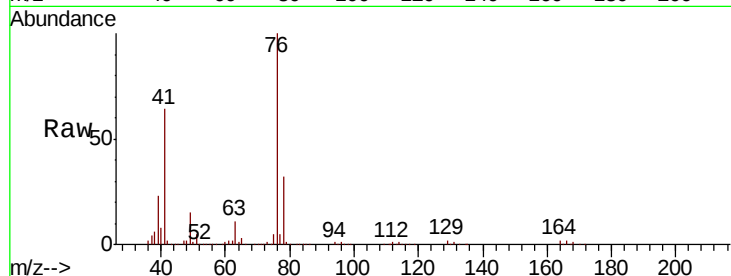




#57
 1,3-Dichloropropane
 Concen: 50.711 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX005229.D
 Acq: 11 Oct 2018 02:43

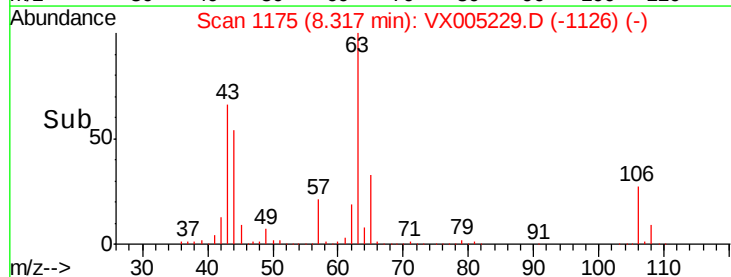
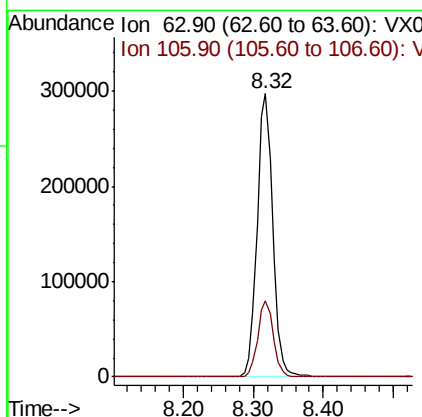
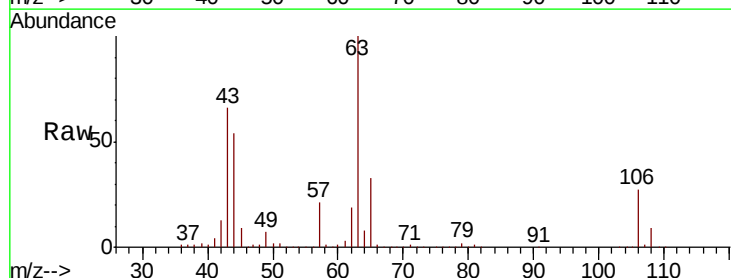
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 233014
 Ion Ratio Lower Upper
 76 100
 78 31.9 26.6 40.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 197.996 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: VX005229.D
 Acq: 11 Oct 2018 02:43

Tgt Ion: 63 Resp: 463533
 Ion Ratio Lower Upper
 63 100
 106 26.9 21.0 31.6

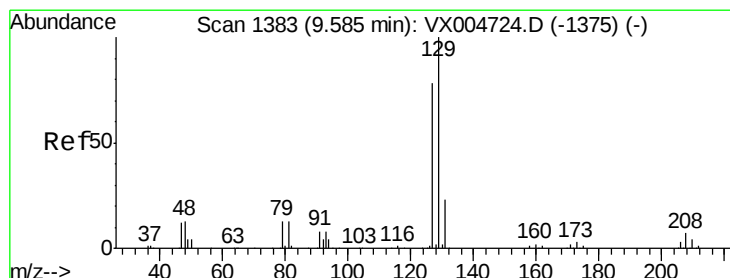
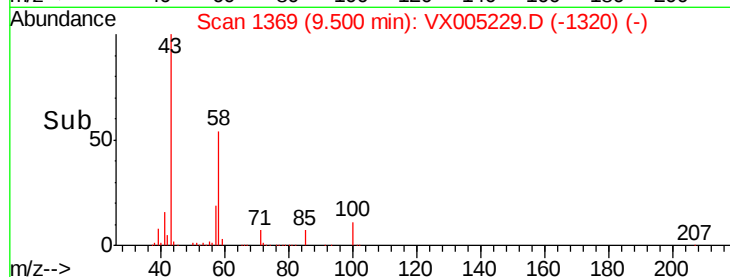
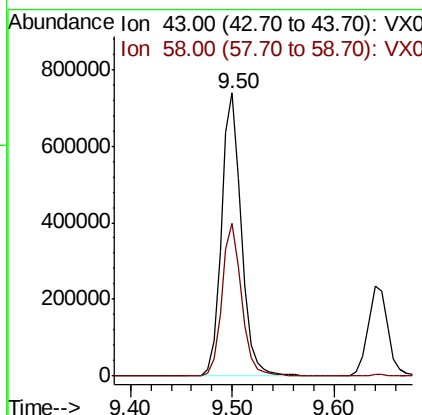
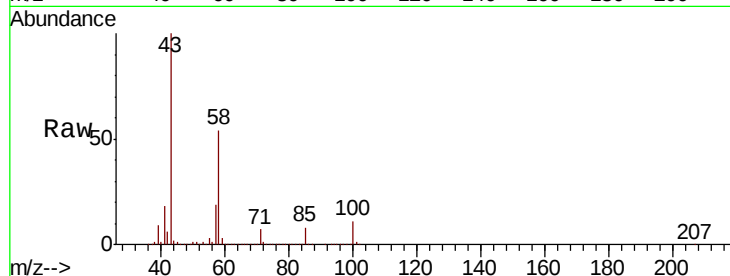




#59
2-Hexanone
Concen: 272.062 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VX005229.D
Acq: 11 Oct 2018 02:43

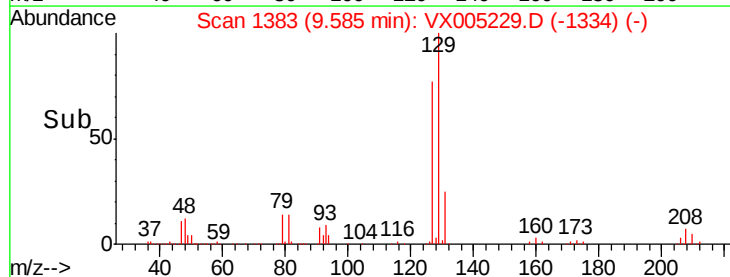
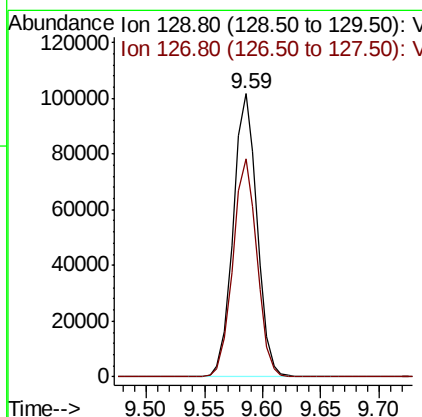
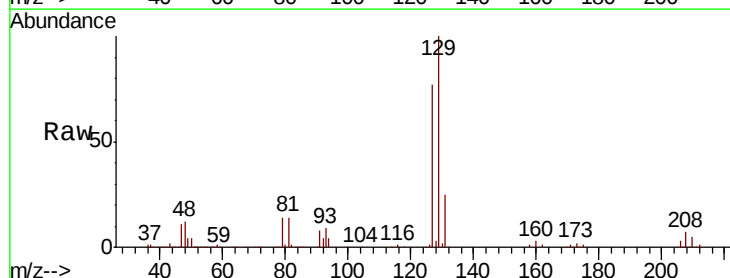
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

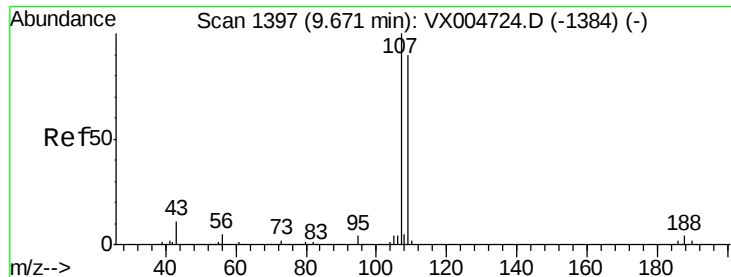
Tot Ion: 43 Resp: 1002050
Ion Ratio Lower Upper
43 100
58 53.5 28.4 85.3



#60
Dibromochloromethane
Concen: 52.707 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX005229.D
Acq: 11 Oct 2018 02:43

Tgt Ion: 129 Resp: 145528
Ion Ratio Lower Upper
129 100
127 77.4 39.1 117.2





#61

1,2-Dibromoethane

Concen: 49.014 ug/l

RT: 9.68 min Scan# 1398

Delta R.T. 0.01 min

Lab File: VX005229.D

Acq: 11 Oct 2018 02:43

Instrument :

MSVOA_X

ClientSampleId :

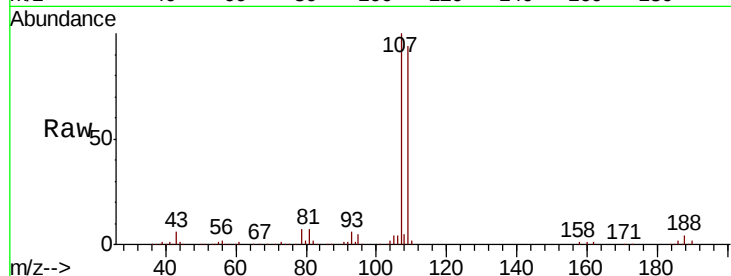
VSTDCCC050

Tot Ion:107 Resp: 144922

Ion Ratio Lower Upper

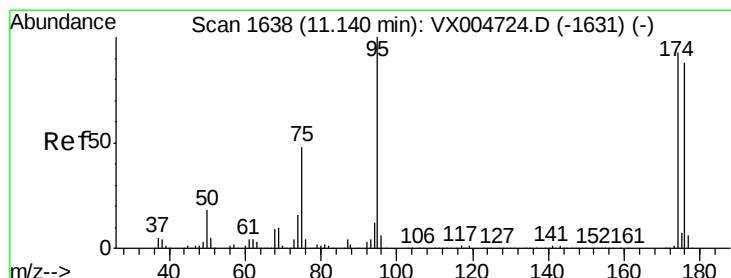
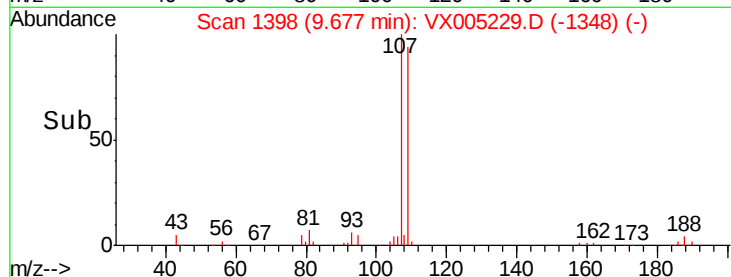
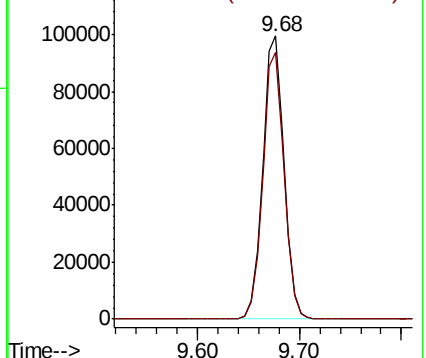
107 100

109 94.3 72.1 108.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 43.340 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX005229.D

Acq: 11 Oct 2018 02:43

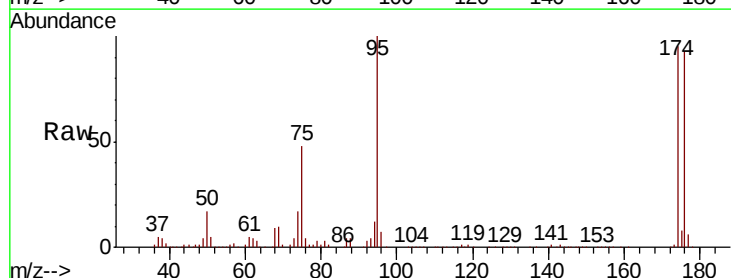
Tgt Ion: 95 Resp: 139391

Ion Ratio Lower Upper

95 100

174 93.5 0.0 185.0

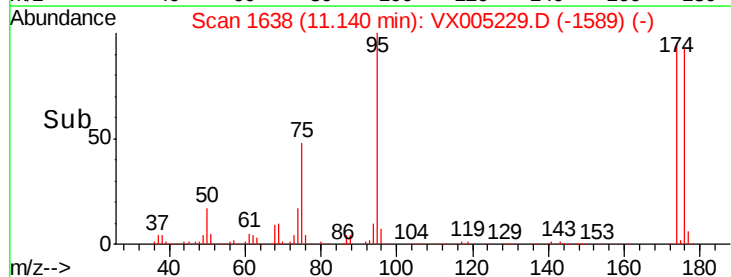
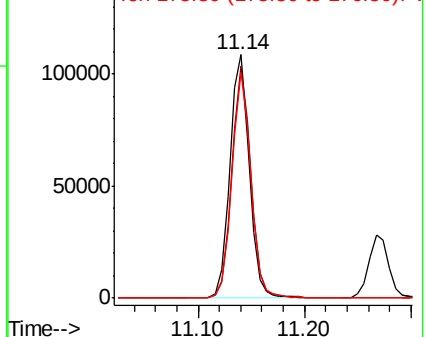
176 90.5 0.0 180.2

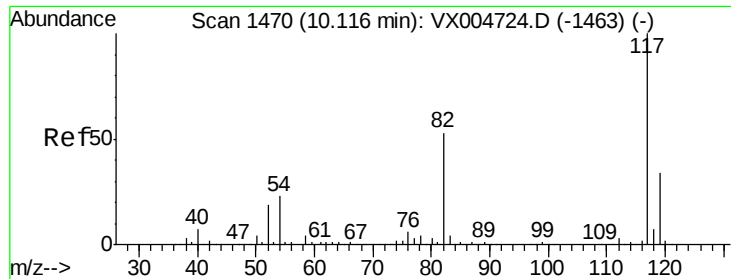


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

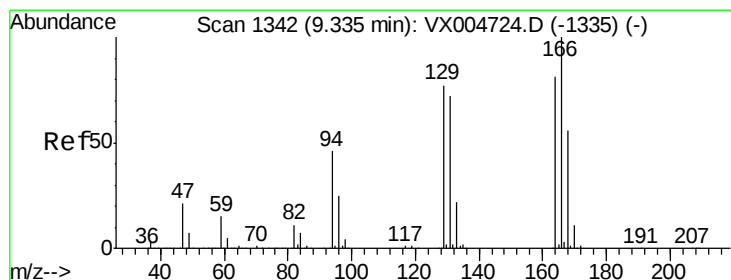
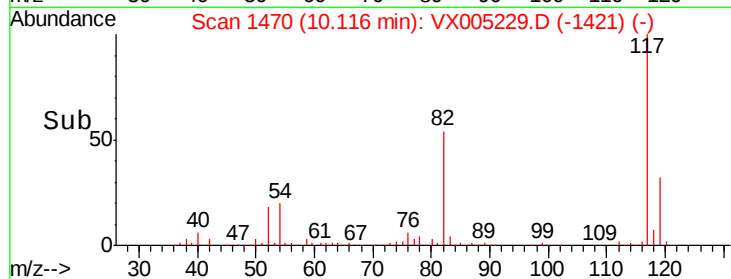
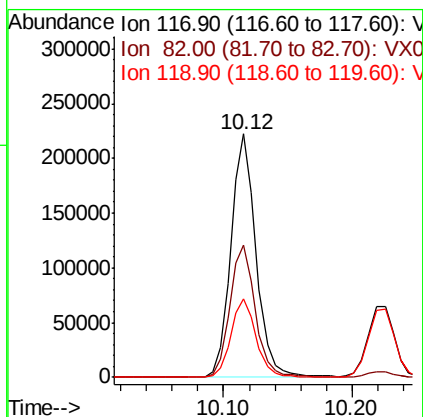
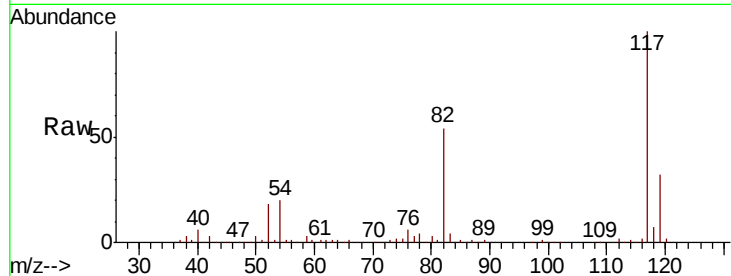




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005229.D
Acq: 11 Oct 2018 02:43

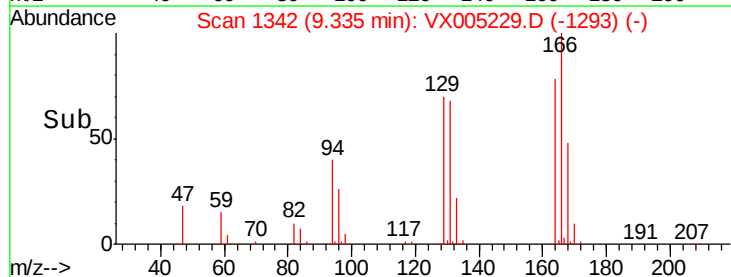
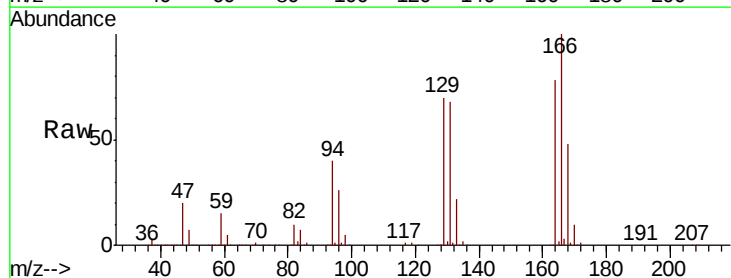
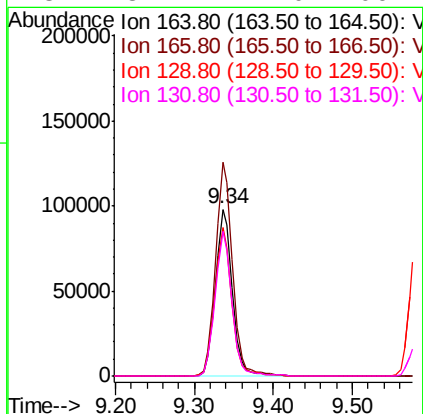
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

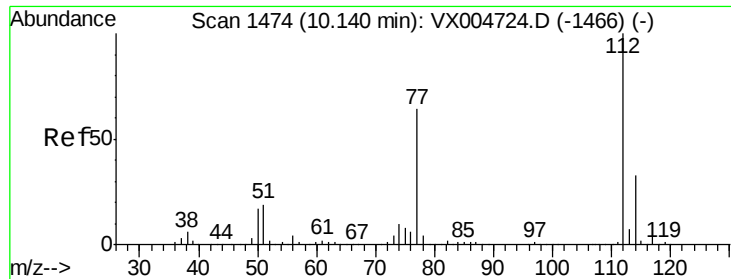
Tot Ion:117 Resp: 303695
Ion Ratio Lower Upper
117 100
82 54.3 42.2 63.4
119 32.1 27.4 41.0



#64
Tetrachloroethene
Concen: 49.305 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX005229.D
Acq: 11 Oct 2018 02:43

Tgt Ion:164 Resp: 147374
Ion Ratio Lower Upper
164 100
166 128.1 98.4 147.6
129 89.4 76.1 114.1
131 87.1 71.0 106.4

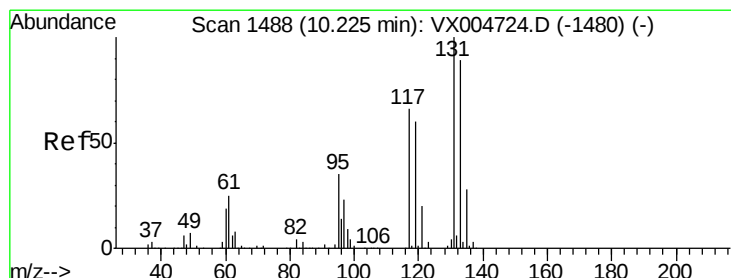
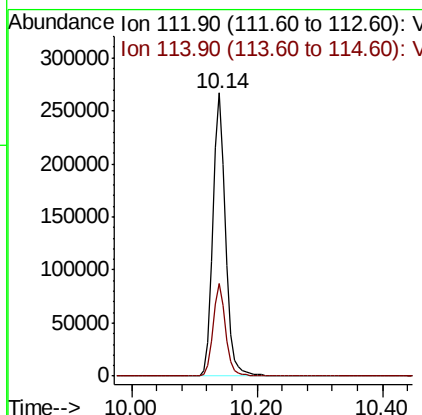
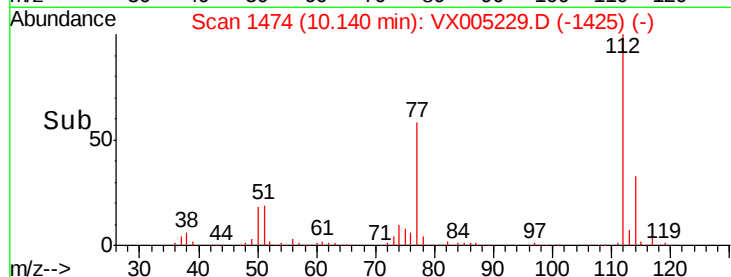
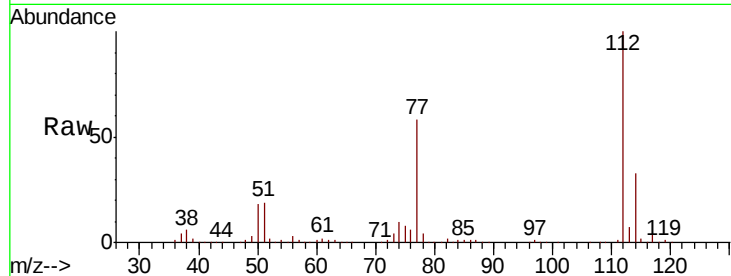




#65
Chlorobenzene
Concen: 47.738 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX005229.D
Acq: 11 Oct 2018 02:43

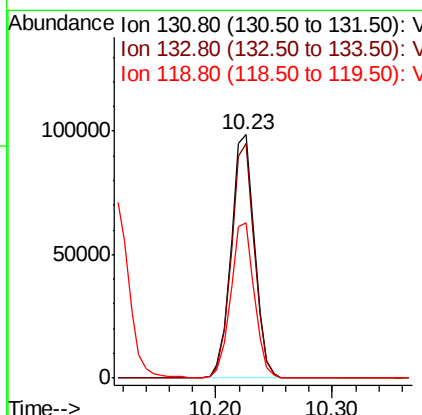
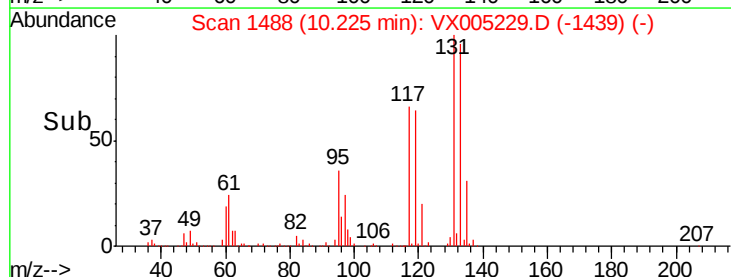
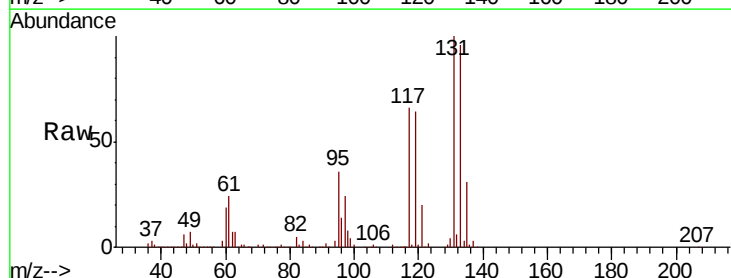
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

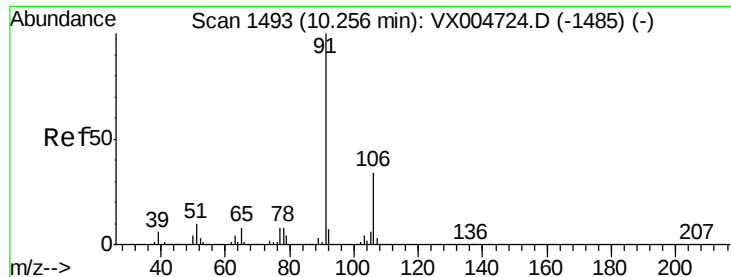
Tot Ion:112 Resp: 371767
Ion Ratio Lower Upper
112 100
114 32.5 26.7 40.1



#66
1,1,1,2-Tetrachloroethane
Concen: 50.365 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VX005229.D
Acq: 11 Oct 2018 02:43

Tgt Ion:131 Resp: 137888
Ion Ratio Lower Upper
131 100
133 95.2 48.4 145.0
119 64.2 32.3 96.8

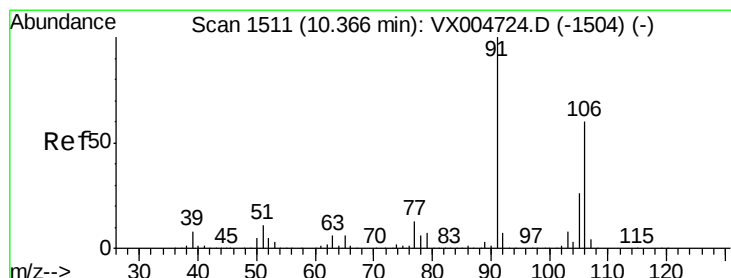
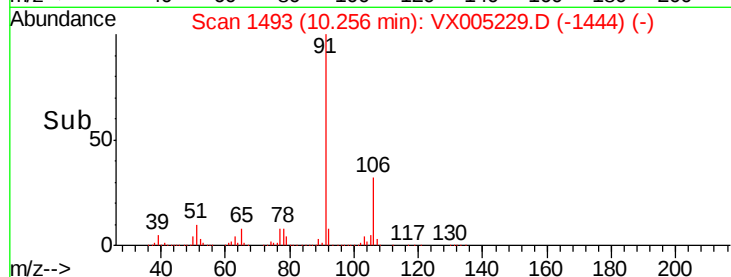
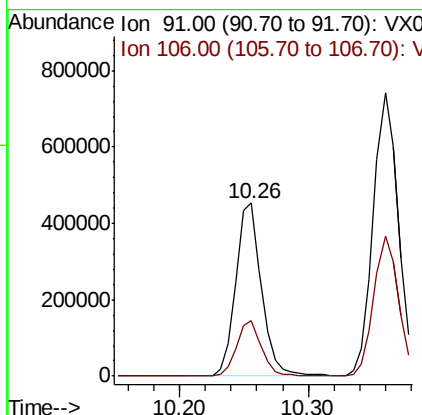
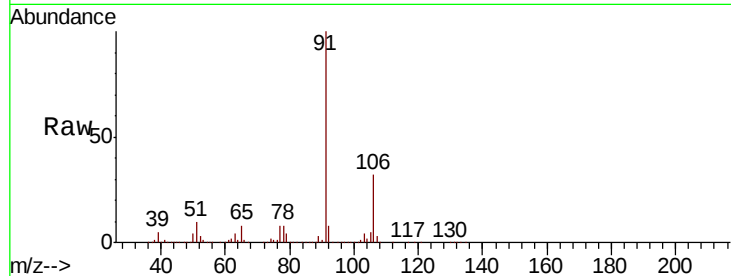




#67
Ethyl Benzene
Concen: 50.968 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VX005229.D
Acq: 11 Oct 2018 02:43

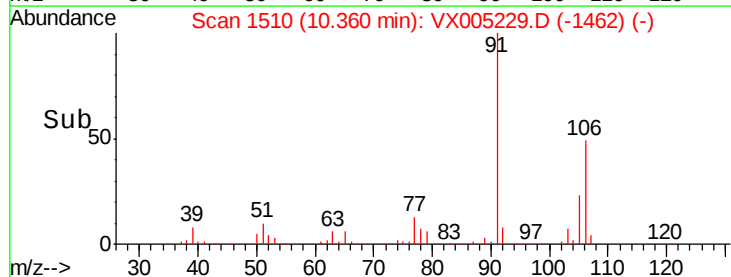
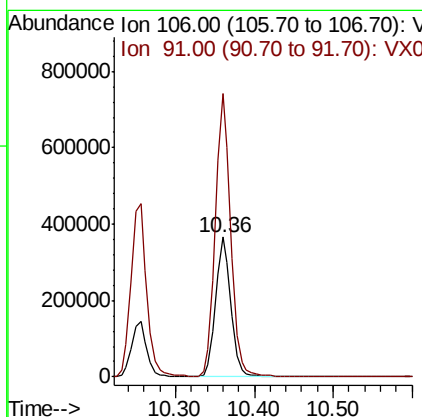
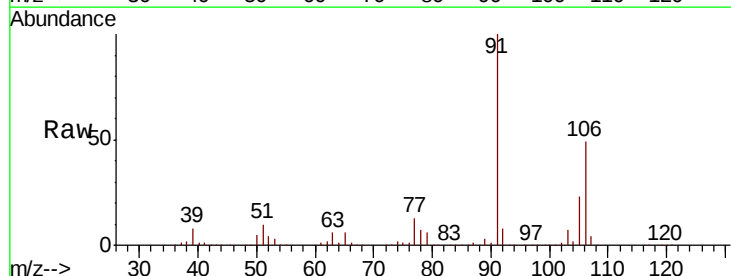
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 630159
Ion Ratio Lower Upper
91 100
106 31.9 26.9 40.3



#68
m/p-Xylenes
Concen: 102.745 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.01 min
Lab File: VX005229.D
Acq: 11 Oct 2018 02:43

Tgt Ion: 106 Resp: 496404
Ion Ratio Lower Upper
106 100
91 204.1 157.5 236.3

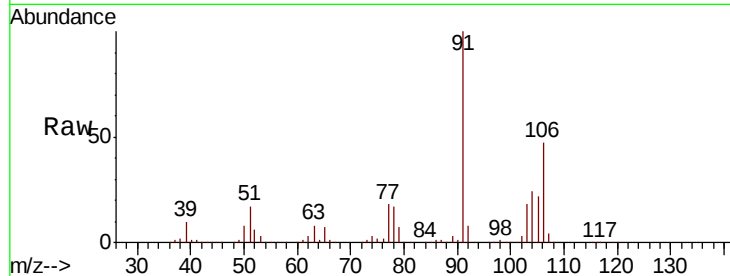




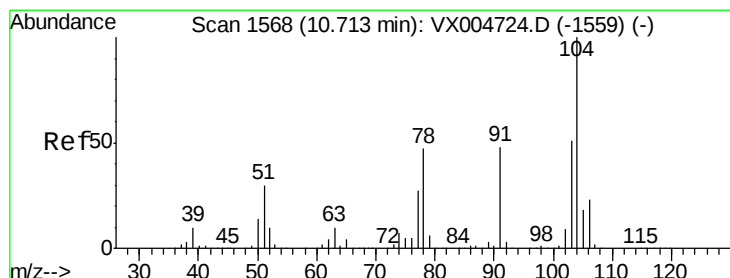
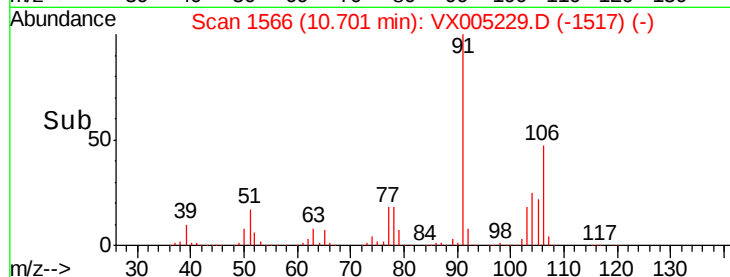
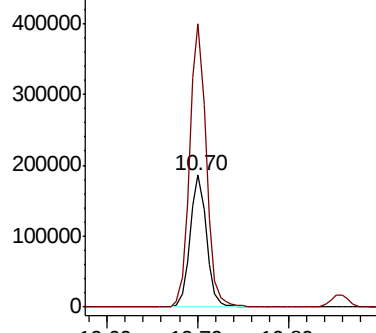
#69
o-Xylene
Concen: 53.478 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX005229.D
Acq: 11 Oct 2018 02:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 237317
Ion Ratio Lower Upper
106 100
91 216.4 108.3 324.8

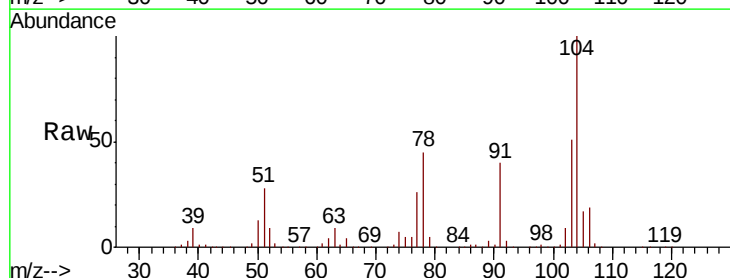


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

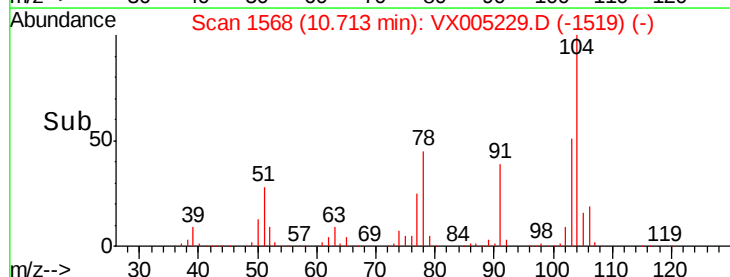
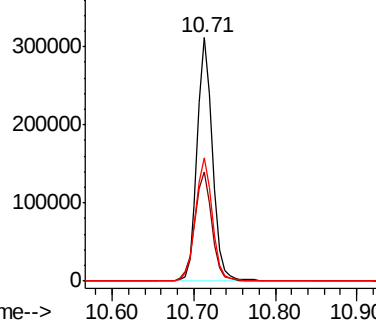


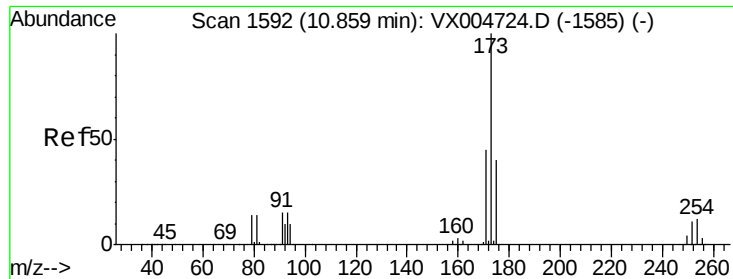
#70
Styrene
Concen: 48.857 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX005229.D
Acq: 11 Oct 2018 02:43

Tgt Ion:104 Resp: 405073
Ion Ratio Lower Upper
104 100
78 50.3 40.0 60.0
103 55.9 44.3 66.5



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





#71

Bromoform

Concen: 52.928 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX005229.D

Acq: 11 Oct 2018 02:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

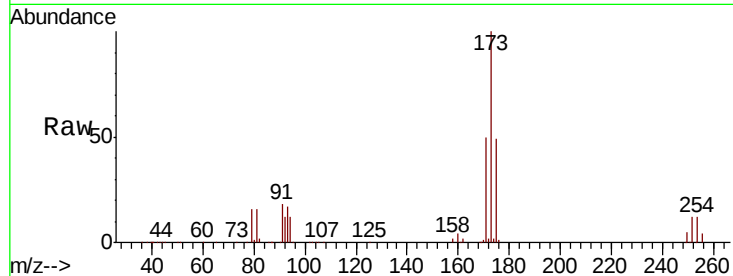
Tot Ion:173 Resp: 124057

Ion Ratio Lower Upper

173 100

175 48.6 23.3 69.8

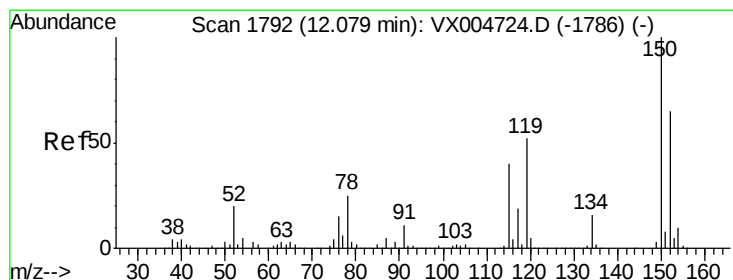
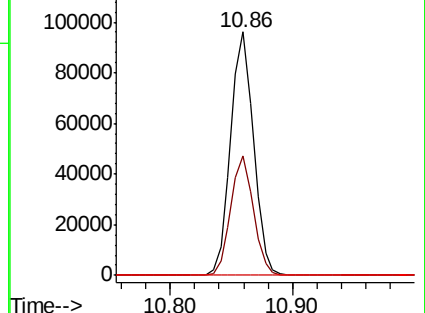
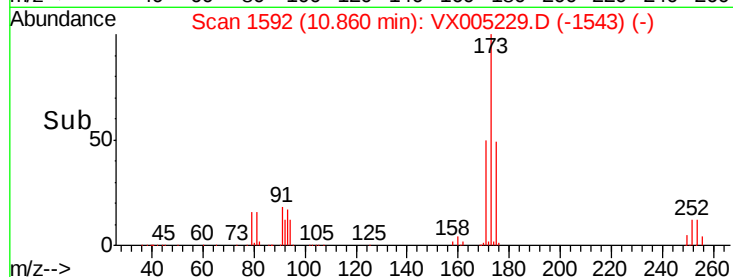
254 0.1 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX005229.D

Acq: 11 Oct 2018 02:43

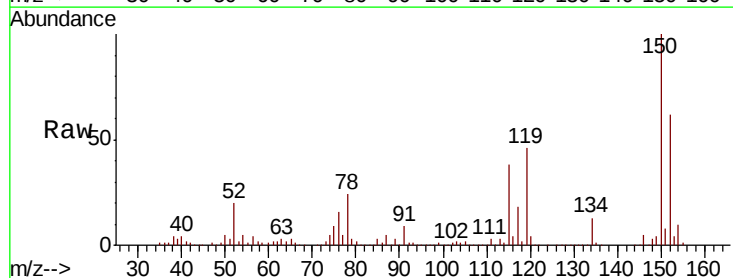
Tgt Ion:152 Resp: 172781

Ion Ratio Lower Upper

152 100

115 81.6 40.2 120.6

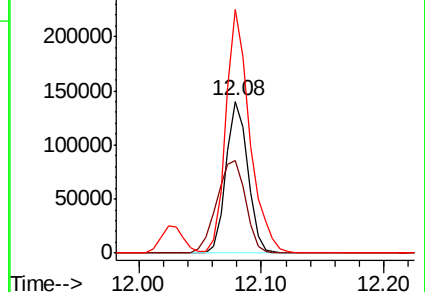
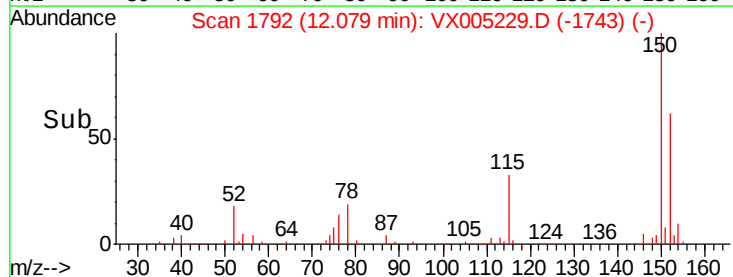
150 175.5 0.0 351.0



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: 59.147 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX005229.D

Acq: 11 Oct 2018 02:43

Instrument :

MSVOA_X

ClientSampleId :

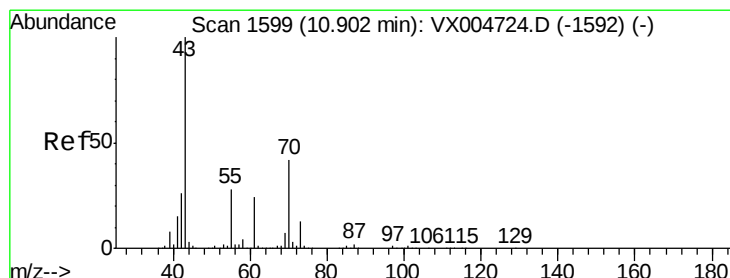
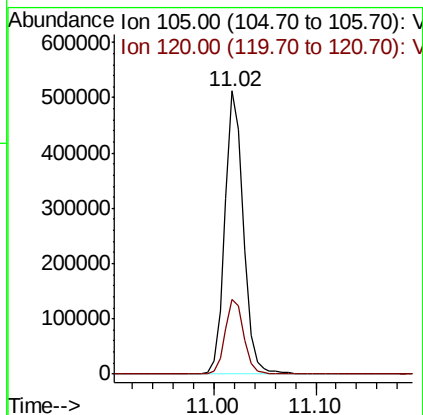
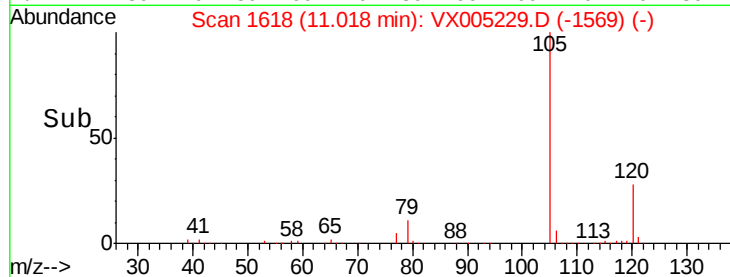
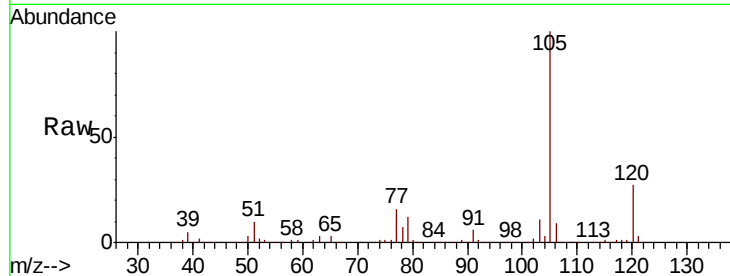
VSTDCCC050

Tot Ion: 105 Resp: 644144

Ion Ratio Lower Upper

105 100

120 26.8 13.2 39.5



#74

N-ethyl acetate

Concen: 51.334 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VX005229.D

Acq: 11 Oct 2018 02:43

Tgt Ion: 43 Resp: 307572

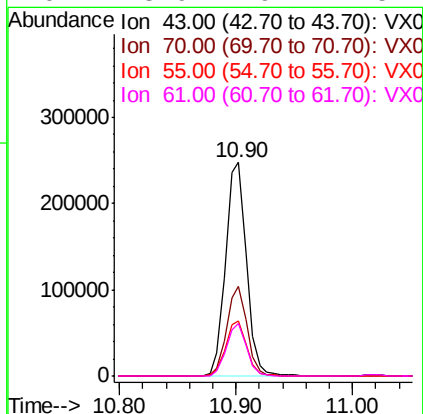
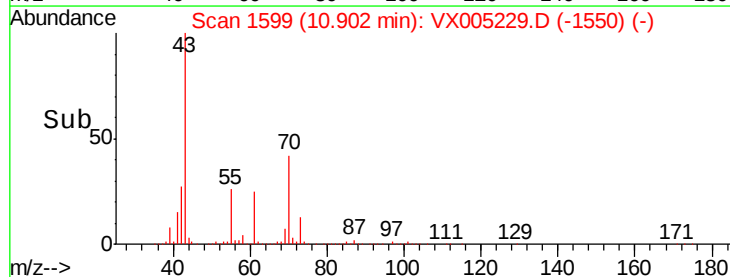
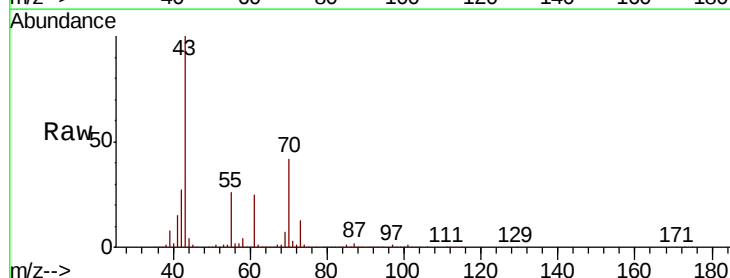
Ion Ratio Lower Upper

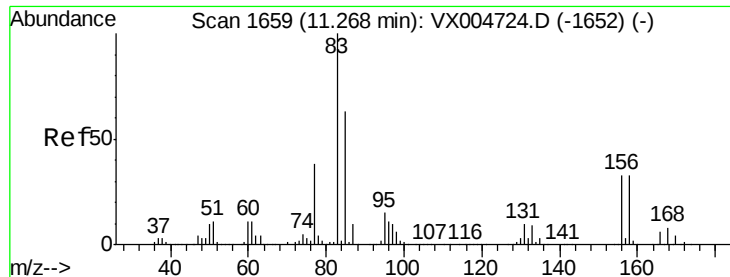
43 100

70 41.0 32.6 48.8

55 25.9 21.6 32.4

61 23.9 19.1 28.7





#75

1,1,2,2-Tetrachloroethane

Concen: 52.265 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX005229.D

Acq: 11 Oct 2018 02:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

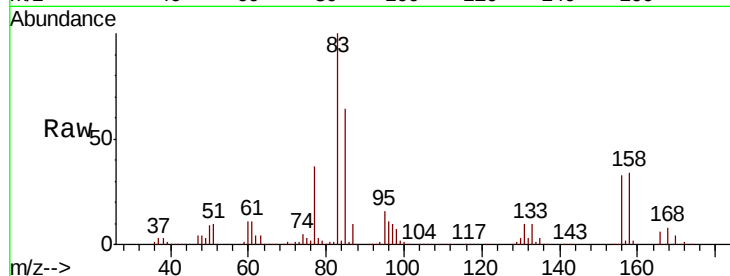
Tot Ion: 83 Resp: 231702

Ion Ratio Lower Upper

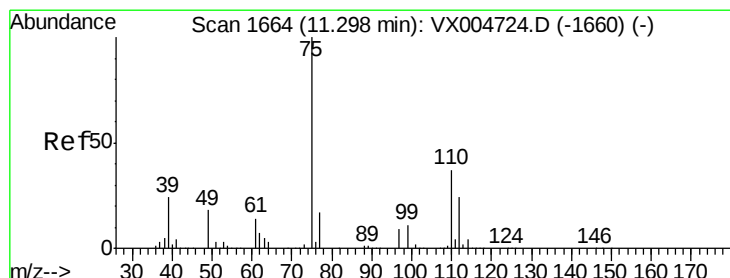
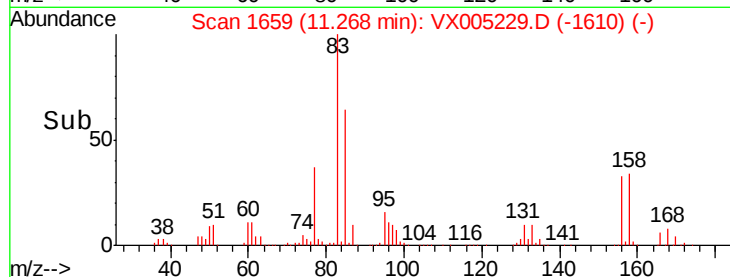
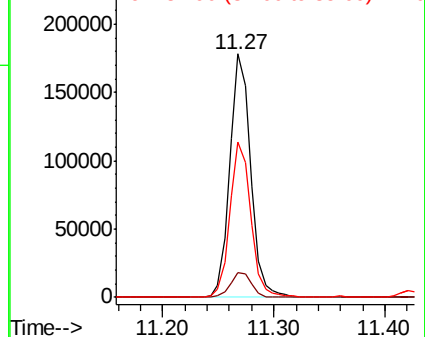
83 100

131 10.3 5.1 15.3

85 63.9 31.9 95.9



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: 66.858 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VX005229.D

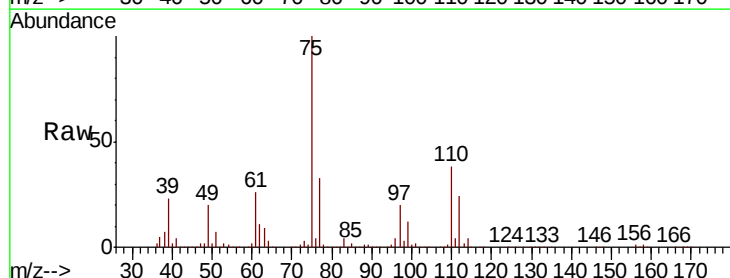
Acq: 11 Oct 2018 02:43

Tgt Ion: 75 Resp: 258918

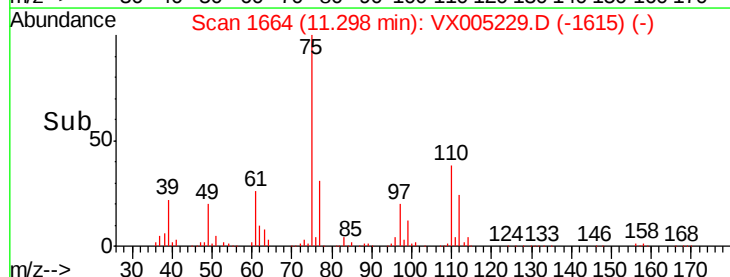
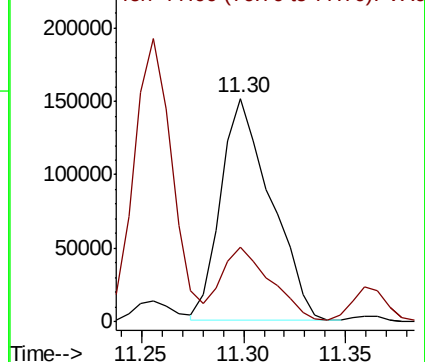
Ion Ratio Lower Upper

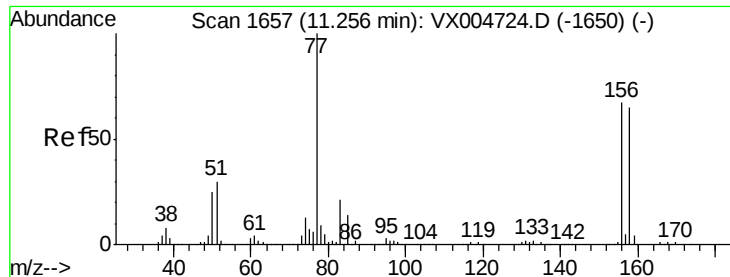
75 100

77 33.2 21.4 64.3



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 55.053 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX005229.D

Acq: 11 Oct 2018 02:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

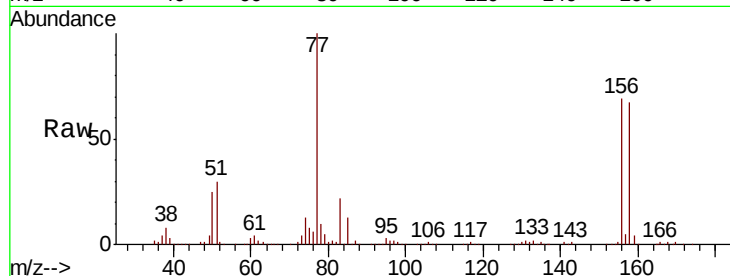
Tot Ion:156 Resp: 174146

Ion Ratio Lower Upper

156 100

77 144.3 73.4 220.2

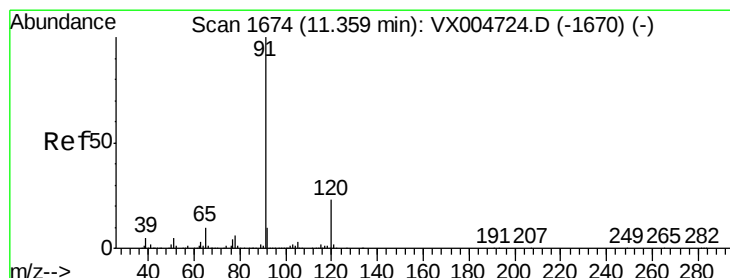
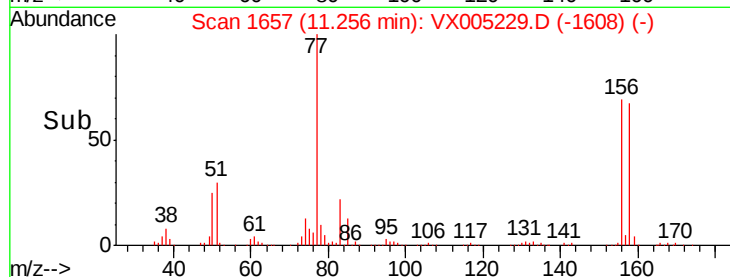
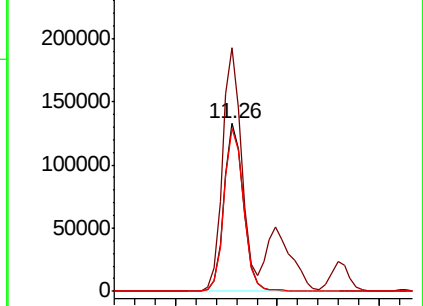
158 98.9 49.1 147.4



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: 59.159 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX005229.D

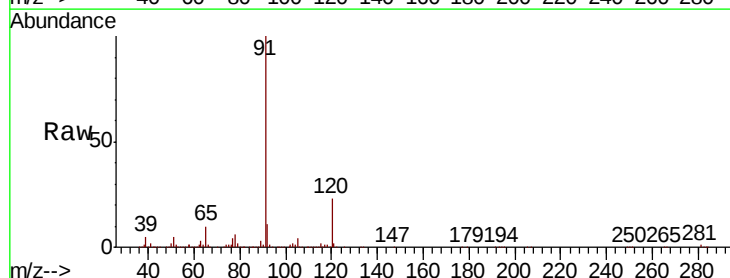
Acq: 11 Oct 2018 02:43

Tgt Ion: 91 Resp: 739235

Ion Ratio Lower Upper

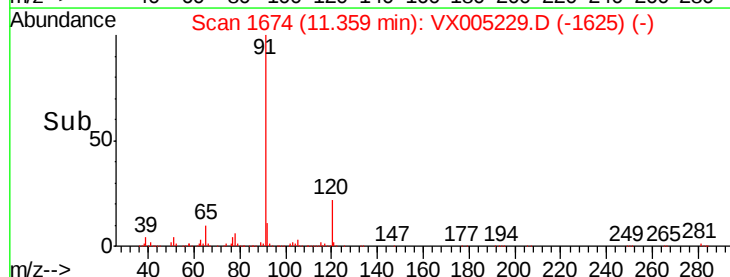
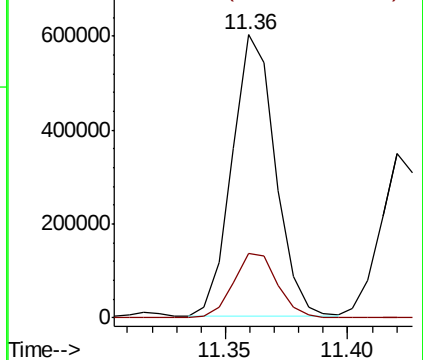
91 100

120 23.4 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 56.576 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX005229.D

Acq: 11 Oct 2018 02:43

Instrument :

MSVOA_X

ClientSampleId :

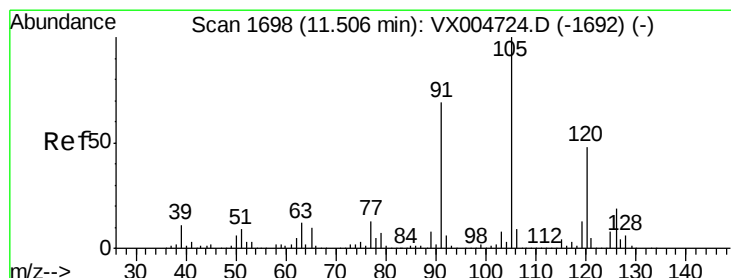
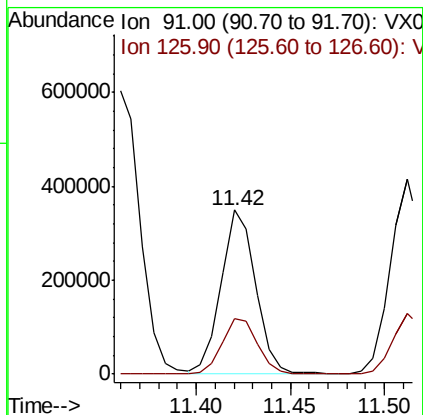
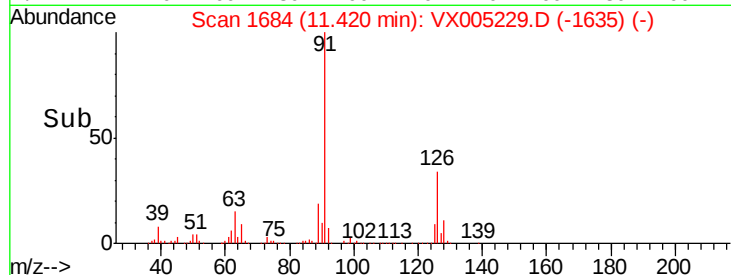
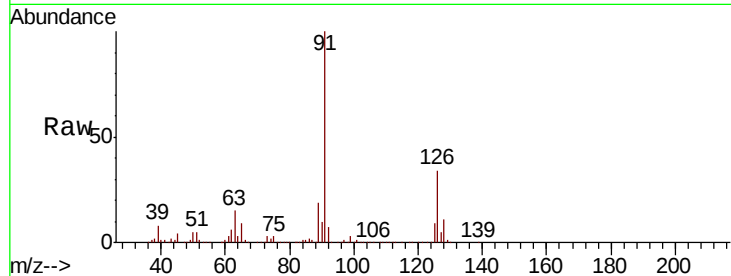
VSTDCCC050

Tot Ion: 91 Resp: 440657

Ion Ratio Lower Upper

91 100

126 35.5 17.6 52.9



#80

1,3,5-Trimethylbenzene

Concen: 55.452 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX005229.D

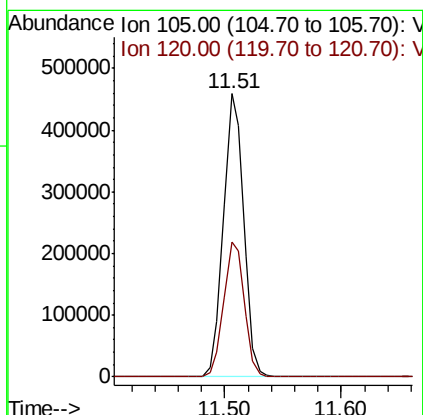
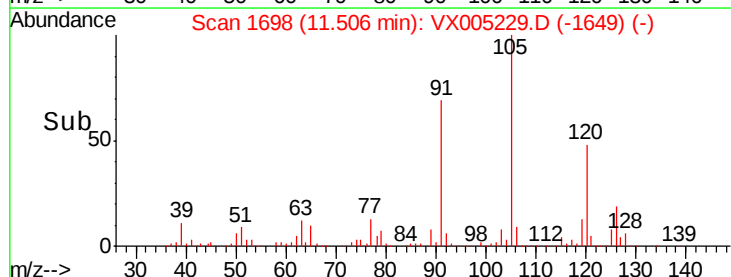
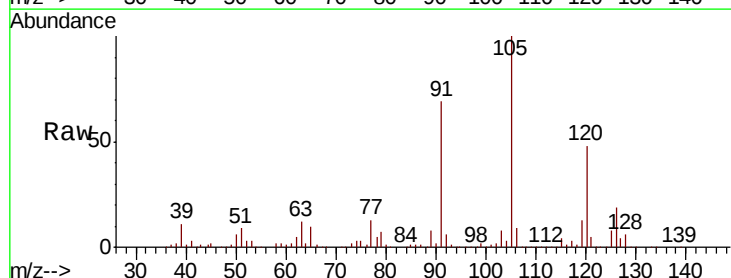
Acq: 11 Oct 2018 02:43

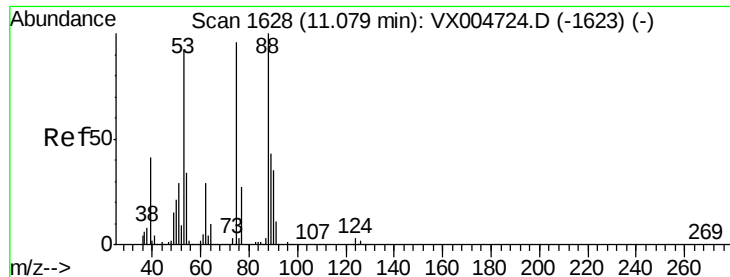
Tgt Ion:105 Resp: 553288

Ion Ratio Lower Upper

105 100

120 48.7 24.3 72.8

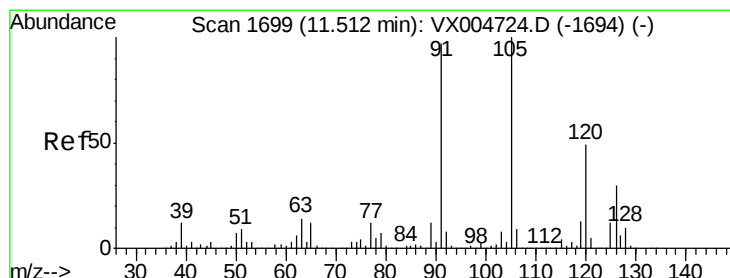
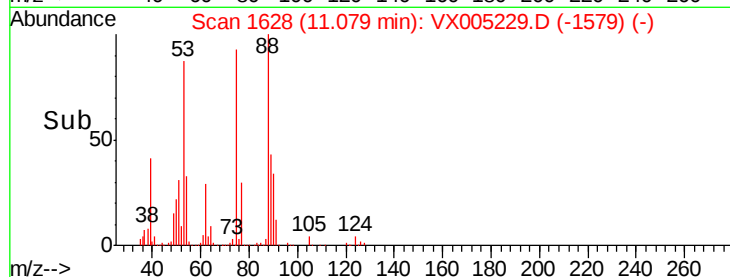
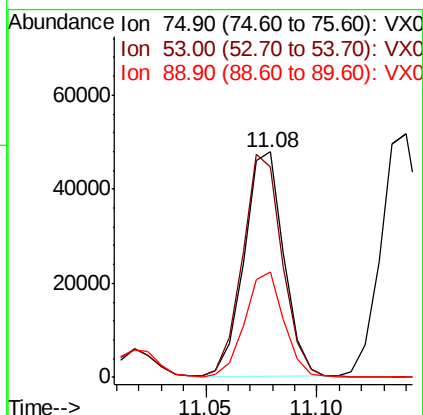
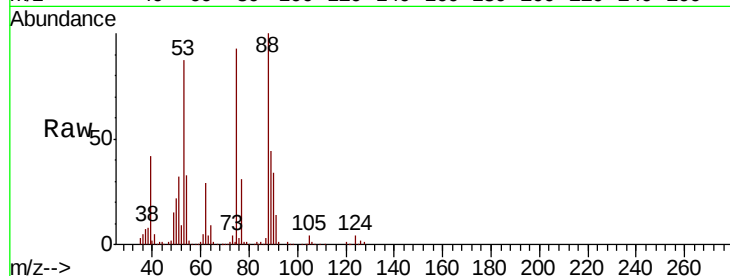




#81
trans-1,4-Dichloro-2-butene
Concen: 41.953 ug/l
RT: 11.08 min Scan# 1628
Delta R.T. 0.00 min
Lab File: VX005229.D
Acq: 11 Oct 2018 02:43

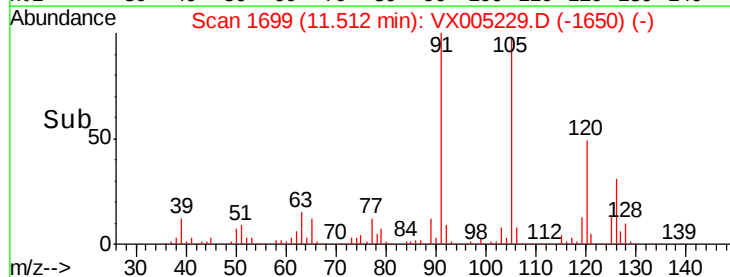
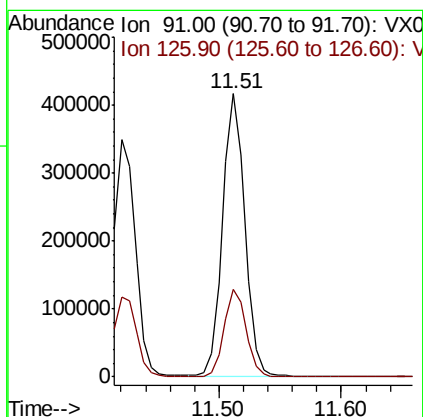
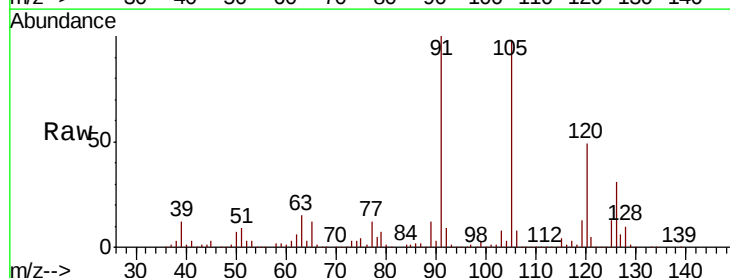
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

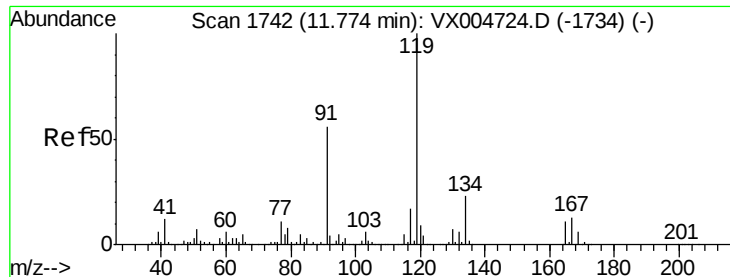
Tot Ion: 75 Resp: 59096
Ion Ratio Lower Upper
75 100
53 100.0 80.2 120.4
89 46.5 37.1 55.7



#82
4-Chlorotoluene
Concen: 57.555 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX005229.D
Acq: 11 Oct 2018 02:43

Tgt Ion: 91 Resp: 527653
Ion Ratio Lower Upper
91 100
126 30.7 15.5 46.5





#83

tert-Butylbenzene

Concen: 60.563 ug/l

RT: 11.77 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX005229.D

Acq: 11 Oct 2018 02:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

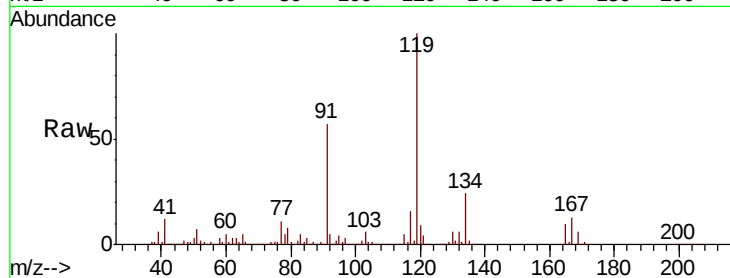
Tot Ion:119 Resp: 543041

Ion Ratio Lower Upper

119 100

91 56.8 27.5 82.5

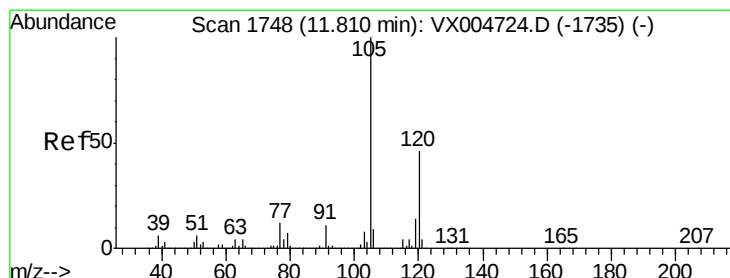
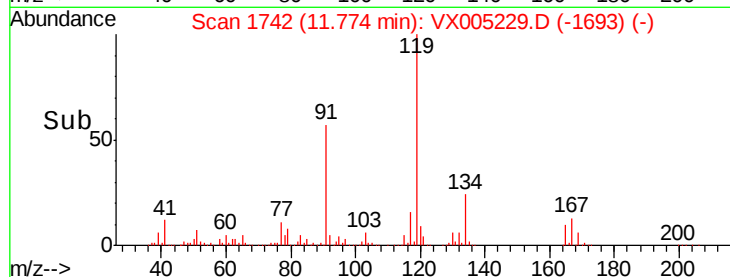
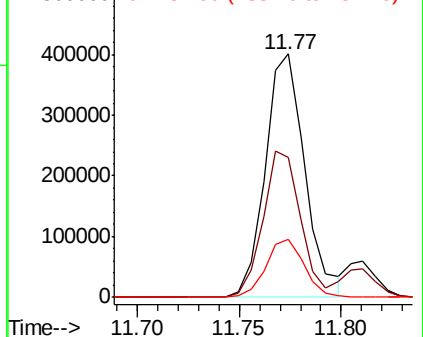
134 22.9 11.5 34.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 55.598 ug/l

RT: 11.81 min Scan# 1748

Delta R.T. 0.00 min

Lab File: VX005229.D

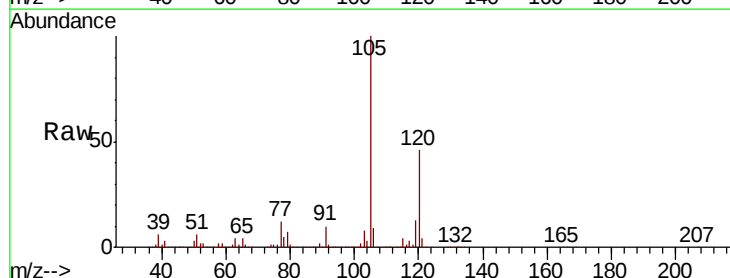
Acq: 11 Oct 2018 02:43

Tgt Ion:105 Resp: 572090

Ion Ratio Lower Upper

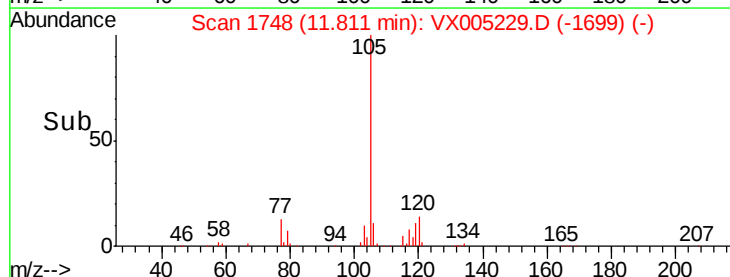
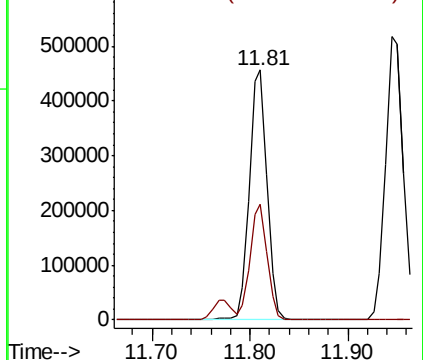
105 100

120 44.8 22.8 68.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 59.830 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX005229.D

Acq: 11 Oct 2018 02:43

Instrument :

MSVOA_X

ClientSampleId :

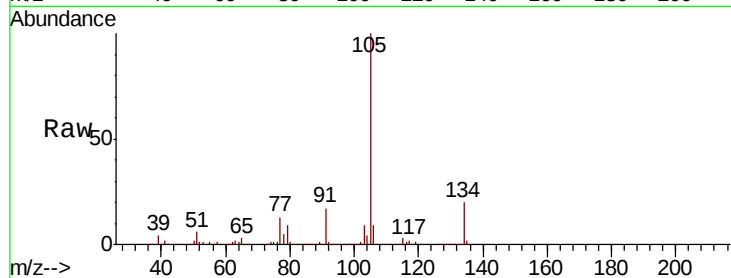
VSTDCCC050

Tot Ion:105 Resp: 653442

Ion Ratio Lower Upper

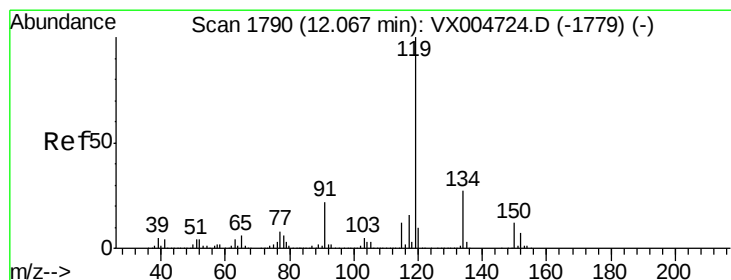
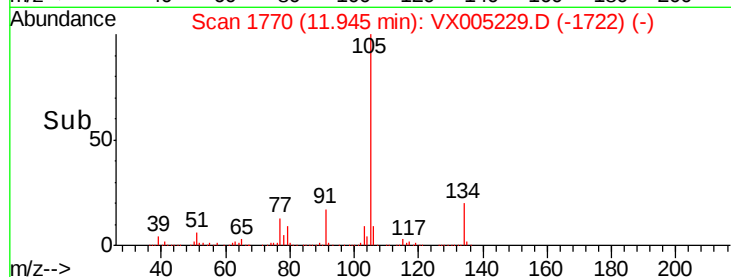
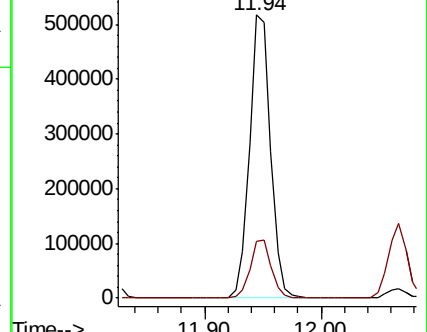
105 100

134 20.4 10.2 30.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 59.942 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX005229.D

Acq: 11 Oct 2018 02:43

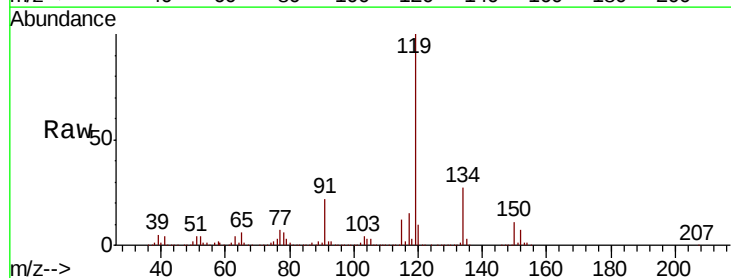
Tgt Ion:119 Resp: 593127

Ion Ratio Lower Upper

119 100

134 26.5 13.4 40.1

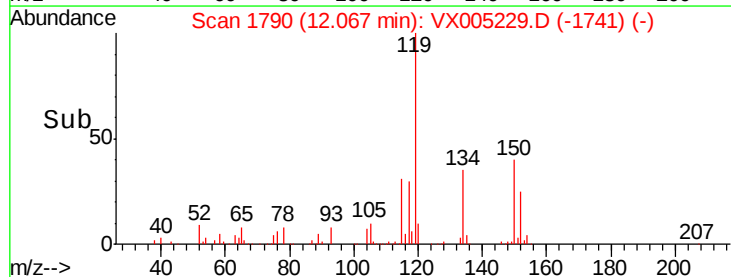
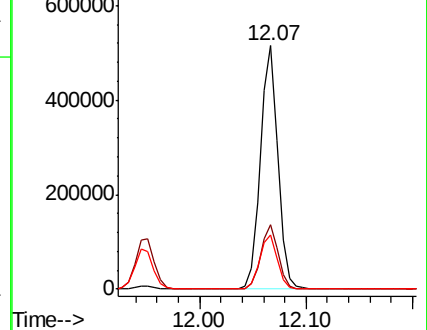
91 22.8 11.5 34.4



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: 54.813 ug/l

RT: 12.03 min Scan# 1784

Delta R.T. 0.00 min

Lab File: VX005229.D

Acq: 11 Oct 2018 02:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

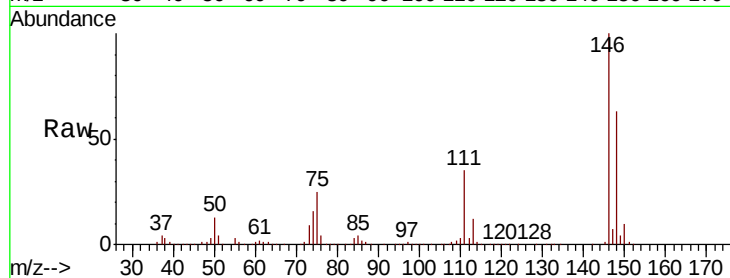
Tot Ion:146 Resp: 323763

Ion Ratio Lower Upper

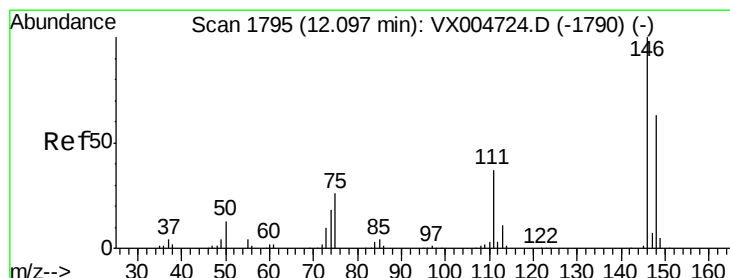
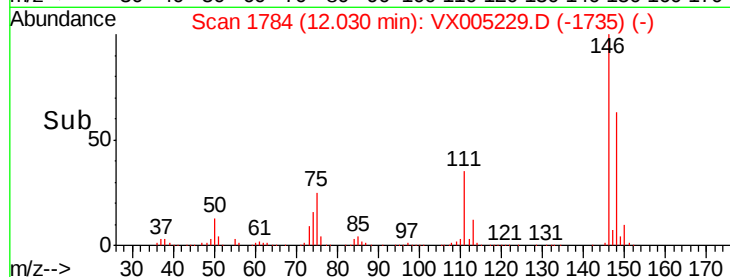
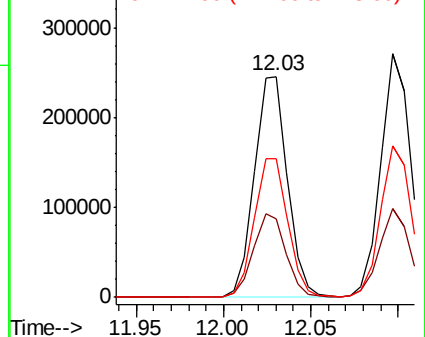
146 100

111 37.3 18.9 56.9

148 64.0 31.8 95.3



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



#88

1,4-Dichlorobenzene

Concen: 53.562 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX005229.D

Acq: 11 Oct 2018 02:43

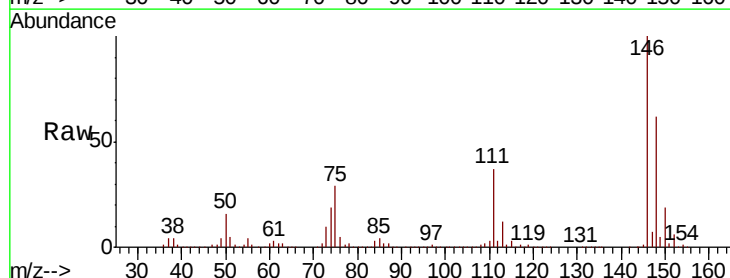
Tgt Ion:146 Resp: 326595

Ion Ratio Lower Upper

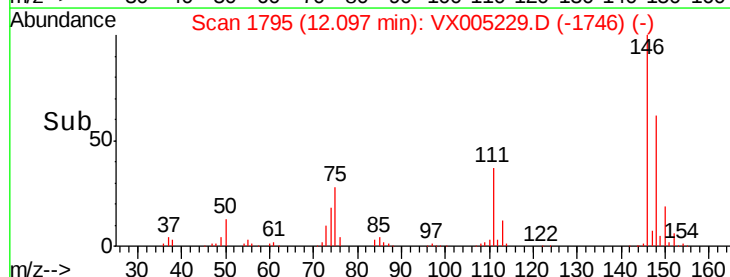
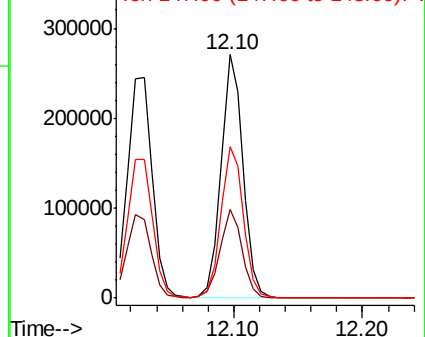
146 100

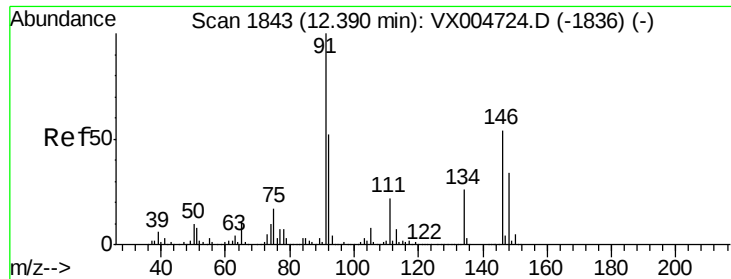
111 37.0 18.4 55.2

148 63.6 32.0 96.0



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

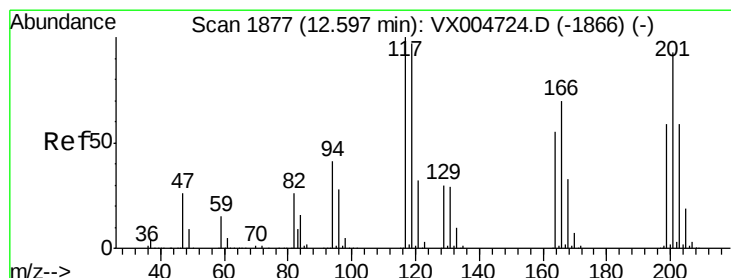
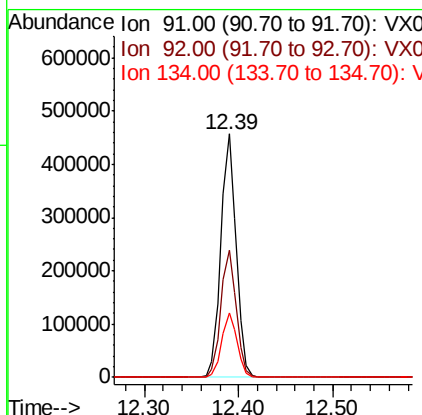
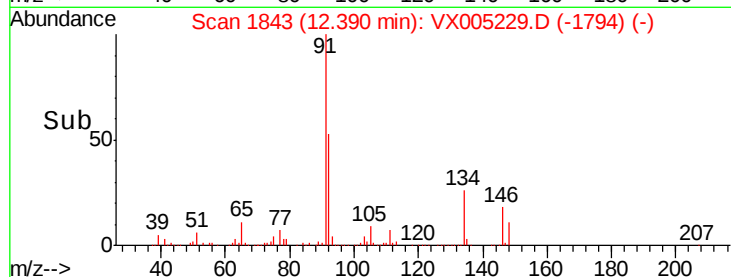
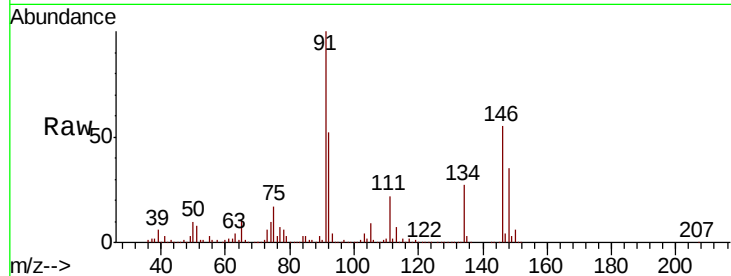




#89
n-Butylbenzene
Concen: 57.405 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX005229.D
Acq: 11 Oct 2018 02:43

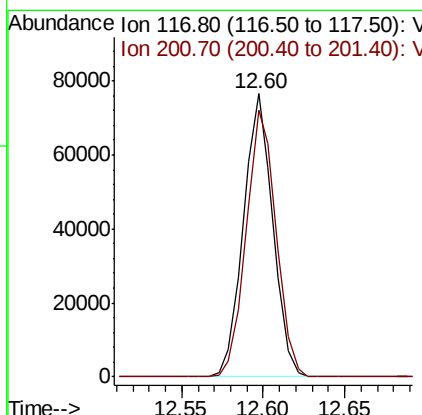
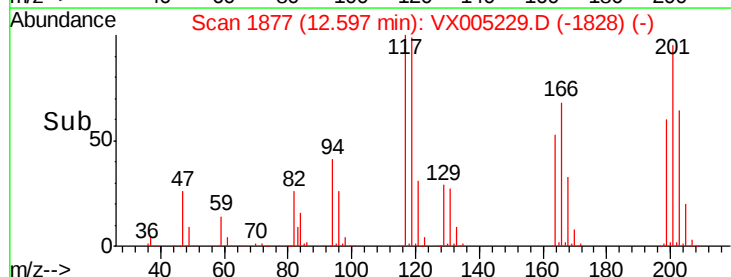
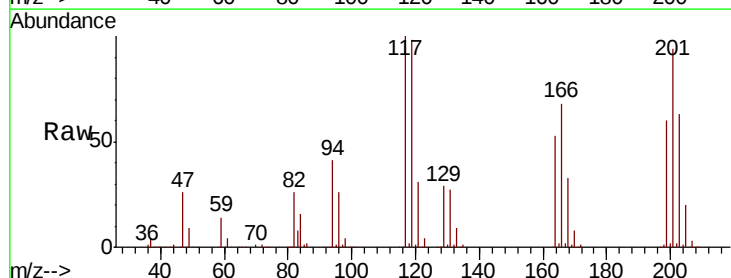
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

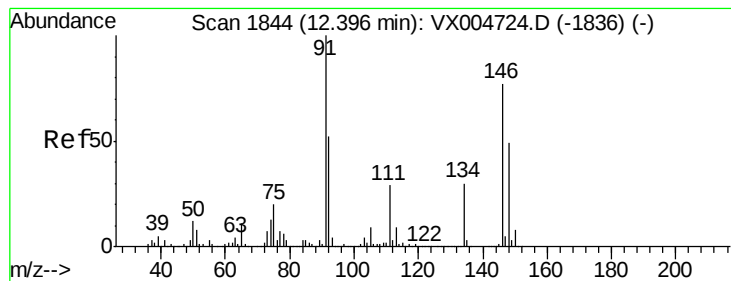
Tot Ion: 91 Resp: 515874
Ion Ratio Lower Upper
91 100
92 52.6 26.0 78.0
134 26.6 13.2 39.6



#90
Hexachloroethane
Concen: 58.348 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX005229.D
Acq: 11 Oct 2018 02:43

Tgt Ion: 117 Resp: 96129
Ion Ratio Lower Upper
117 100
201 95.9 48.4 145.0





#91

1,2-Dichlorobenzene

Concen: 53.464 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VX005229.D

Acq: 11 Oct 2018 02:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

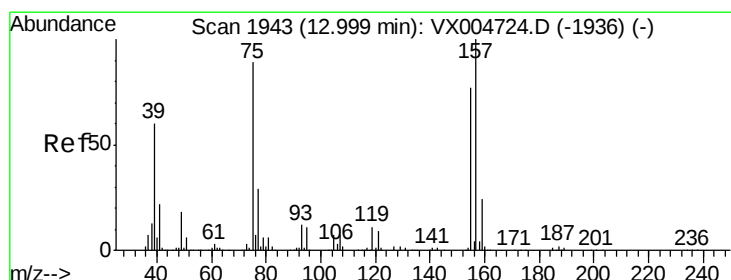
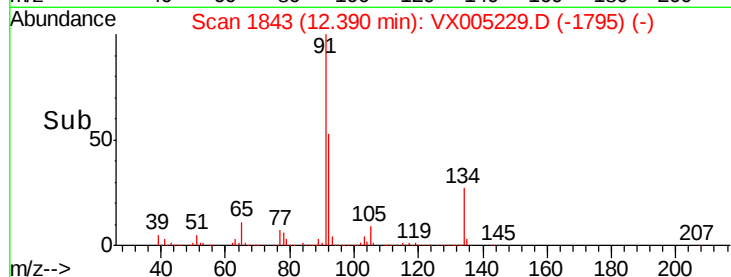
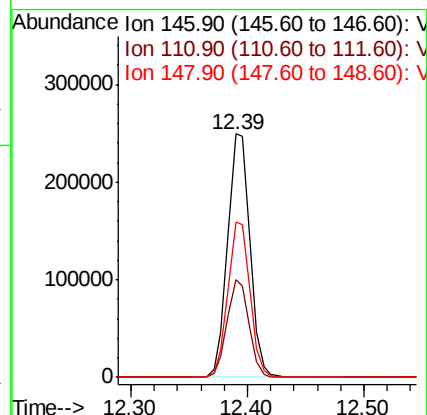
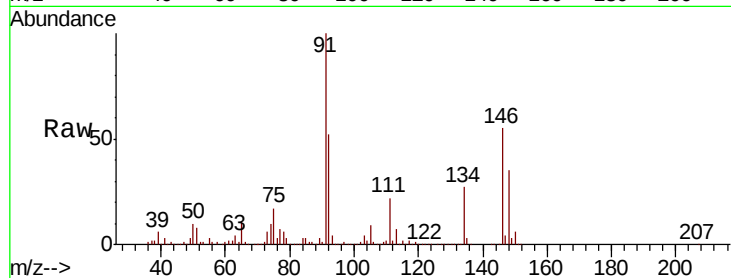
Tot Ion:146 Resp: 330020

Ion Ratio Lower Upper

146 100

111 39.2 19.6 58.7

148 63.2 31.8 95.4



#92

1,2-Dibromo-3-Chloropropane

Concen: 59.466 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX005229.D

Acq: 11 Oct 2018 02:43

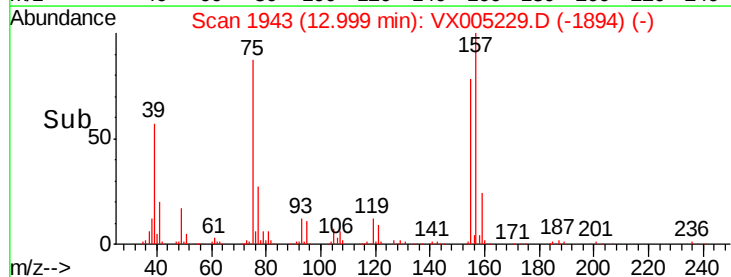
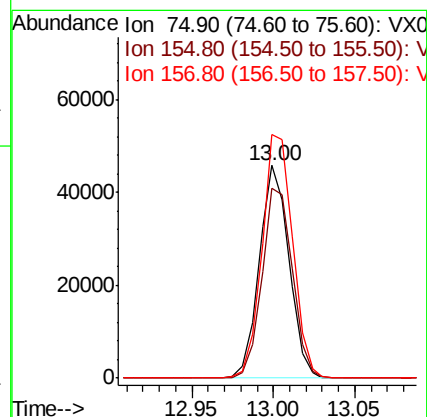
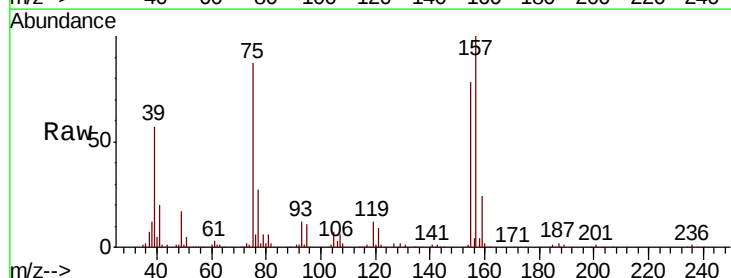
Tgt Ion: 75 Resp: 57884

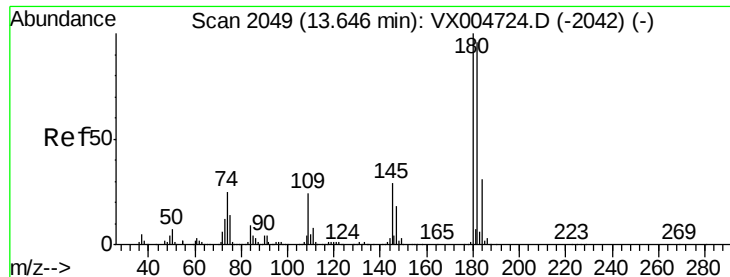
Ion Ratio Lower Upper

75 100

155 91.3 46.1 138.3

157 118.2 60.2 180.6

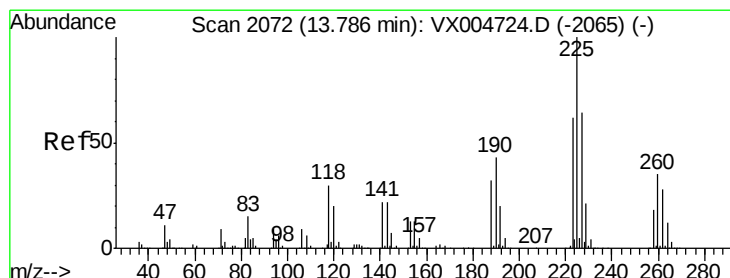
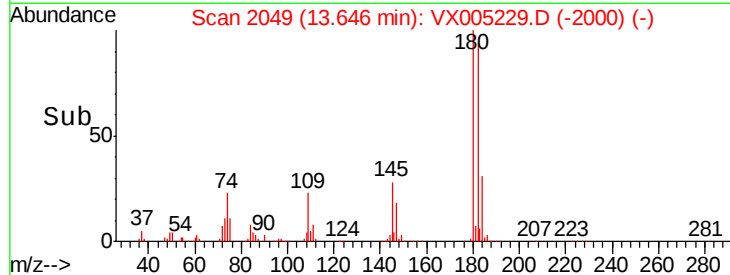
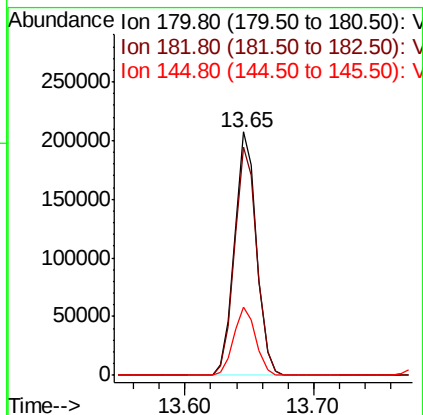
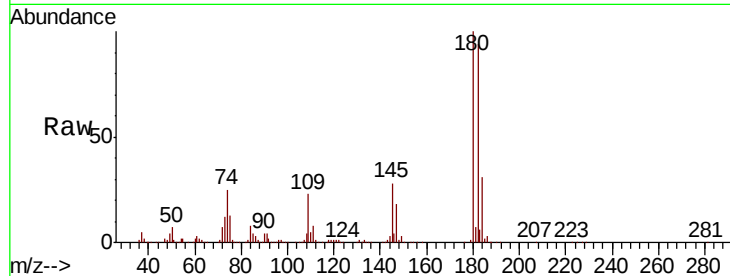




#93
 1,2,4-Trichlorobenzene
 Concen: 56.998 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX005229.D
 Acq: 11 Oct 2018 02:43

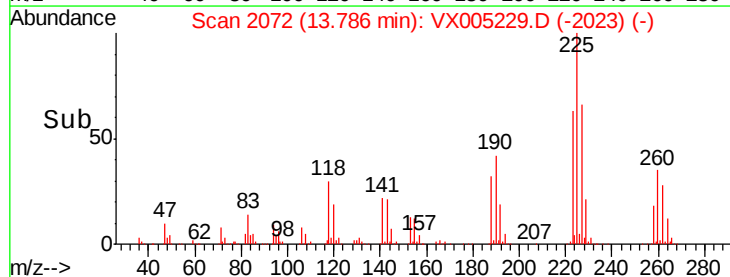
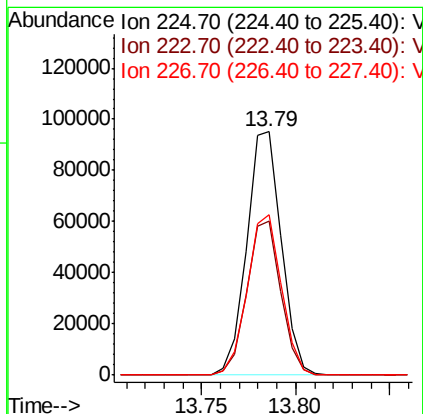
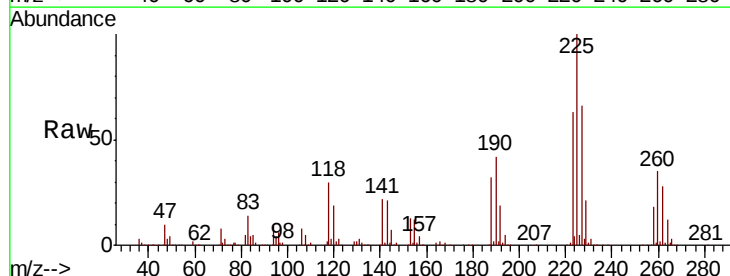
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 246810
 Ion Ratio Lower Upper
 180 100
 182 95.4 47.8 143.4
 145 27.9 14.1 42.4



#94
 Hexachlorobutadiene
 Concen: 53.851 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VX005229.D
 Acq: 11 Oct 2018 02:43

Tgt Ion:225 Resp: 120918
 Ion Ratio Lower Upper
 225 100
 223 62.0 31.3 93.8
 227 64.8 31.9 95.5





#95

Naphthalene

Concen: 54.686 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX005229.D

Acq: 11 Oct 2018 02:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

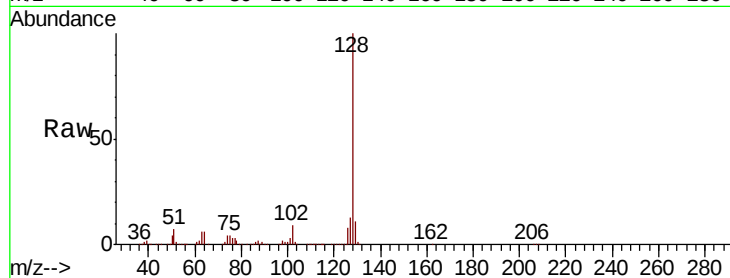
Tot Ion:128 Resp: 786927

Ion Ratio Lower Upper

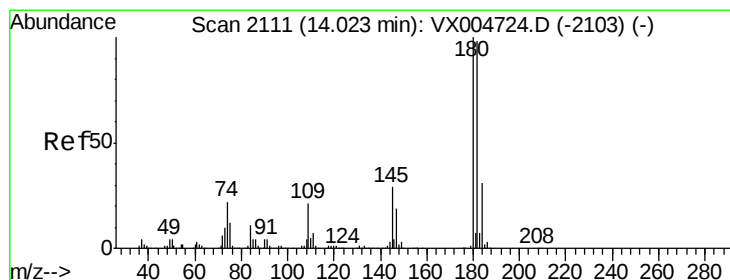
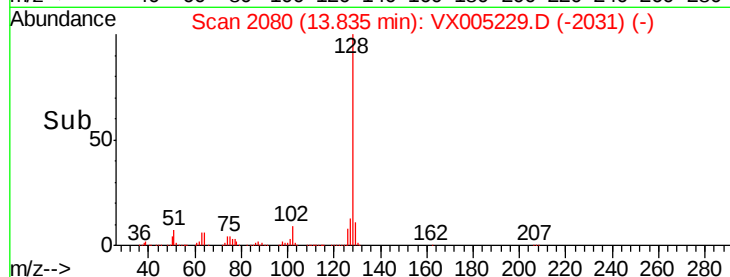
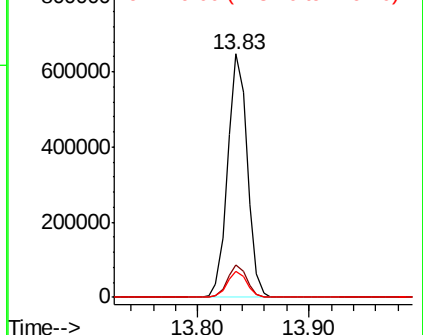
128 100

127 13.1 10.4 15.6

129 10.8 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 57.322 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VX005229.D

Acq: 11 Oct 2018 02:43

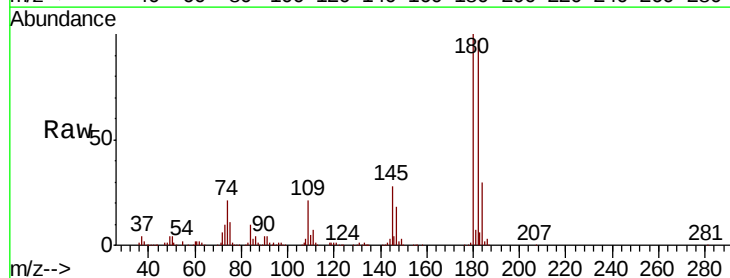
Tgt Ion:180 Resp: 256405

Ion Ratio Lower Upper

180 100

182 96.9 47.9 143.8

145 29.7 15.0 45.0



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

