

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080818\
 Data File : VX003916.D
 Acq On : 08 Aug 2018 11:32
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 09 03:10:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 07:45:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	333495	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	479130	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	448343	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	262300	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	222727	50.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.76%	
35) Dibromofluoromethane	5.50	113	182963	50.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.82%	
50) Toluene-d8	8.72	98	707867	50.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.30%	
62) 4-Bromofluorobenzene	11.14	95	252718	55.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	158255	46.83	ug/l	100
3) Chloromethane	1.32	50	193039	41.98	ug/l	99
4) Vinyl Chloride	1.40	62	200442	43.71	ug/l	99
5) Bromomethane	1.64	94	121411	50.68	ug/l	99
6) Chloroethane	1.72	64	137226	46.77	ug/l	98
7) Trichlorofluoromethane	1.93	101	278644	46.03	ug/l	99
8) Diethyl Ether	2.19	74	130100	47.81	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	177790	46.98	ug/l	100
10) Methyl Iodide	2.51	142	206312	43.82	ug/l	99
11) Tert butyl alcohol	3.07	59	247876	233.34	ug/l	100
12) 1,1-Dichloroethene	2.37	96	162818	45.49	ug/l	95
13) Acrolein	2.29	56	94886	171.65	ug/l	99
14) Allyl chloride	2.73	41	319616	46.32	ug/l	99
15) Acrylonitrile	3.15	53	585396	230.94	ug/l	99
16) Acetone	2.45	43	604981	230.03	ug/l	99
17) Carbon Disulfide	2.57	76	442216	43.65	ug/l	100
18) Methyl Acetate	2.78	43	269103	46.99	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	620511	48.92	ug/l	100
20) Methylene Chloride	2.85	84	199940	48.18	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	182984	45.03	ug/l	99
22) Diisopropyl ether	3.87	45	615572	48.53	ug/l	98
23) Vinyl Acetate	3.82	43	2683803	254.31	ug/l	99
24) 1,1-Dichloroethane	3.70	63	348378	46.24	ug/l	100
25) 2-Butanone	4.70	43	952642	240.92	ug/l	98
26) 2,2-Dichloropropane	4.58	77	264982	48.77	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	212067	48.09	ug/l	96
28) Bromochloromethane	5.02	49	160760	49.86	ug/l	99
29) Tetrahydrofuran	5.16	42	487506	239.87	ug/l	100
30) Chloroform	5.21	83	341139	48.10	ug/l	98
31) Cyclohexane	5.57	56	298329	46.82	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	285387	47.98	ug/l	100
36) 1,1-Dichloropropene	5.79	75	254916	47.50	ug/l	99
37) Ethyl Acetate	4.85	43	288170	48.82	ug/l	100
38) Carbon Tetrachloride	5.78	117	247146	48.39	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 07:45:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	312082	49.33	ug/l	100
40) Benzene	6.14	78	785430	48.74	ug/l	100
41) Methacrylonitrile	5.06	41	161872	49.79	ug/l	99
42) 1,2-Dichloroethane	6.20	62	275379	50.54	ug/l	100
43) Isopropyl Acetate	6.46	43	448873	50.53	ug/l	100
44) Trichloroethene	7.21	130	211515	48.00	ug/l	95
45) 1,2-Dichloropropane	7.52	63	204039	49.04	ug/l	100
46) Dibromomethane	7.67	93	133324	49.35	ug/l	100
47) Bromodichloromethane	7.90	83	258028	50.70	ug/l	100
48) Methyl methacrylate	7.77	41	233297	51.67	ug/l	98
49) 1,4-Dioxane	7.76	88	108250	1017.64	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	1885355	256.05	ug/l	100
52) Toluene	8.79	92	503277	49.43	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	299773	52.11	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	323861	52.21	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	209114	50.26	ug/l	99
56) Ethyl methacrylate	9.18	69	321309	53.23	ug/l	100
57) 1,3-Dichloropropane	9.37	76	352496	50.62	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	765349	257.84	ug/l	100
59) 2-Hexanone	9.50	43	1436630	261.02	ug/l	99
60) Dibromochloromethane	9.59	129	212275	54.72	ug/l	99
61) 1,2-Dibromoethane	9.68	107	219616	52.72	ug/l	100
64) Tetrachloroethene	9.34	164	205623	46.62	ug/l	96
65) Chlorobenzene	10.14	112	565814	48.50	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.23	131	194274	48.44	ug/l	96
67) Ethyl Benzene	10.25	91	955673	50.04	ug/l	96
68) m/p-Xylenes	10.36	106	745774	99.94	ug/l	95
69) o-Xylene	10.70	106	368325	52.29	ug/l	99
70) Styrene	10.71	104	629713	54.60	ug/l	97
71) Bromoform	10.86	173	163840	48.29	ug/l	99
73) Isopropylbenzene	11.02	105	979123	50.46	ug/l	97
74) N-amyl acetate	6.46	43	448873	44.48	ug/l #	100
75) 1,1,1,2-Tetrachloroethane	11.27	83	300764	45.22	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	347739	60.02	ug/l	87
77) Bromobenzene	11.26	156	250978	48.49	ug/l	93
78) n-propylbenzene	11.36	91	1041630	47.81	ug/l	100
79) 2-Chlorotoluene	11.42	91	630760	47.48	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	770889	48.72	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.08	75	96937	45.71	ug/l	98
82) 4-Chlorotoluene	11.51	91	731867	47.02	ug/l	99
83) tert-Butylbenzene	11.77	119	772081	49.60	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	799197	50.24	ug/l	98
85) sec-Butylbenzene	11.94	105	922775	50.23	ug/l	100
86) p-Isopropyltoluene	12.07	119	803391	48.74	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	451694	47.20	ug/l	97
88) 1,4-Dichlorobenzene	12.10	146	466122	50.81	ug/l	99
89) n-Butylbenzene	12.39	91	692418	48.21	ug/l	99
90) Hexachloroethane	12.60	117	122410	45.74	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	433698	45.73	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.00	75	61928	45.46	ug/l	100

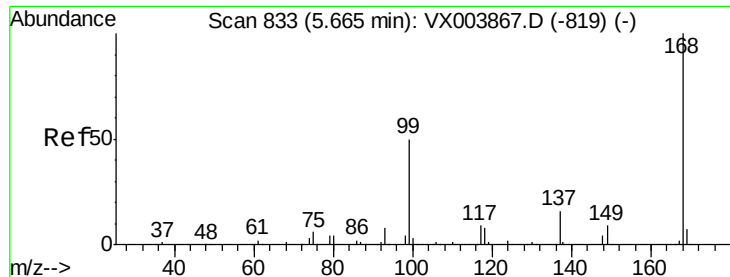
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080818\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	346883	50.85	ug/l	97
94) Hexachlorobutadiene	13.79	225	158406	52.61	ug/l	99
95) Naphthalene	13.83	128	1073673	54.96	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	368329	54.11	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.01 min

Lab File: VX003916.D

Acq: 08 Aug 2018 11:32

Instrument :

MSVOA_X

ClientSampleId :

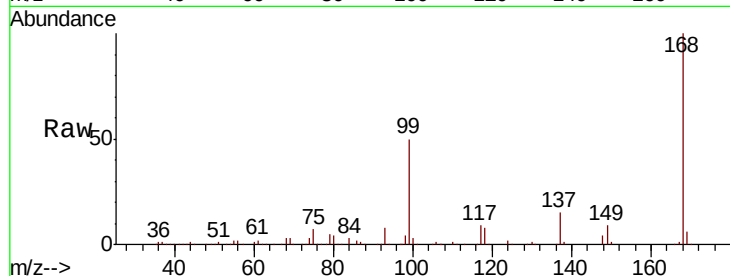
VSTDCCC050

Tot Ion:168 Resp: 333495

Ion Ratio Lower Upper

168 100

99 50.1 40.1 60.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

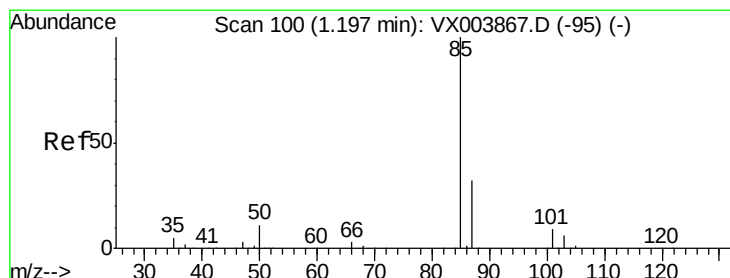
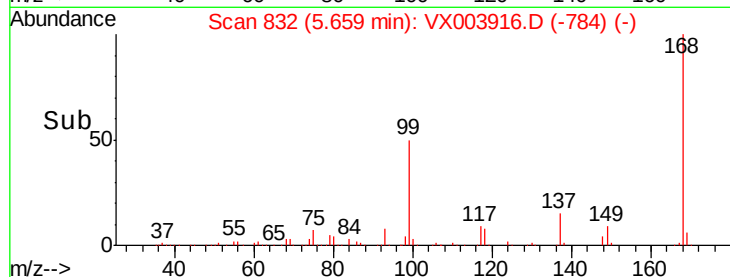
5.66

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 46.83 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003916.D

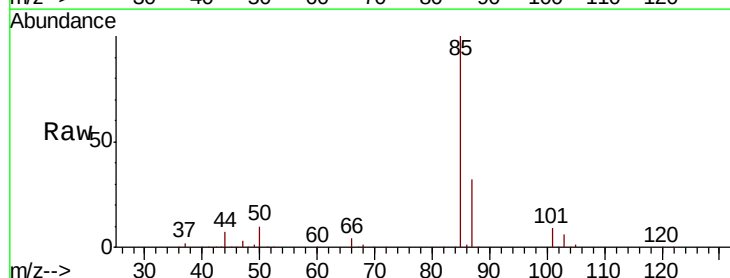
Acq: 08 Aug 2018 11:32

Tgt Ion: 85 Resp: 158255

Ion Ratio Lower Upper

85 100

87 32.1 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

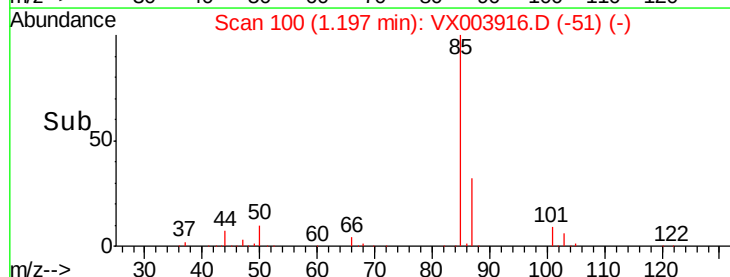
150000

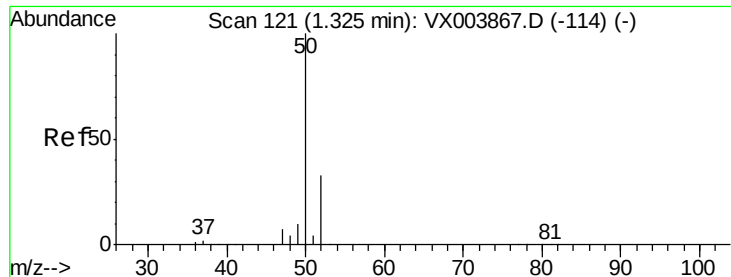
100000

50000

0

Time-->





#3

Chloromethane

Concen: 41.98 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003916.D

Acq: 08 Aug 2018 11:32

Instrument :

MSVOA_X

ClientSampleId :

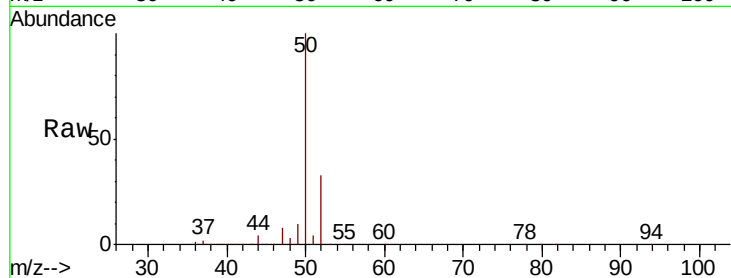
VSTDCCC050

Tot Ion: 50 Resp: 193039

Ion Ratio Lower Upper

50 100

52 32.6 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

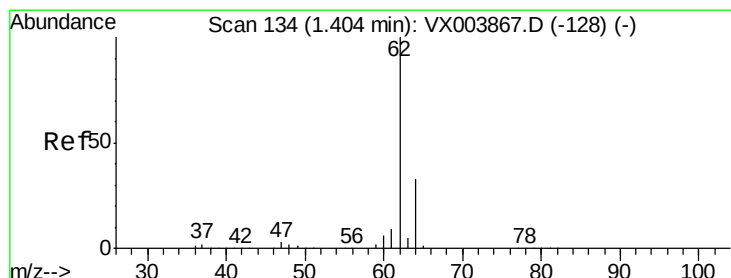
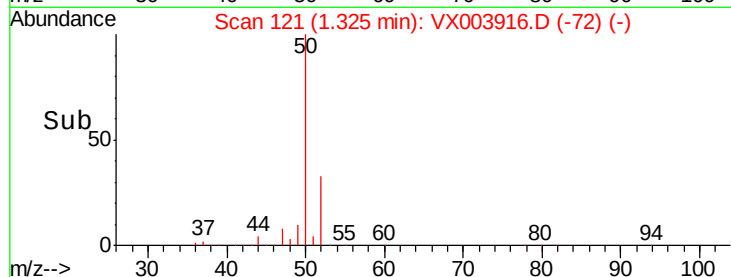
150000

100000

50000

0

Time--> 1.25 1.30 1.35 1.40



#4

Vinyl Chloride

Concen: 43.71 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003916.D

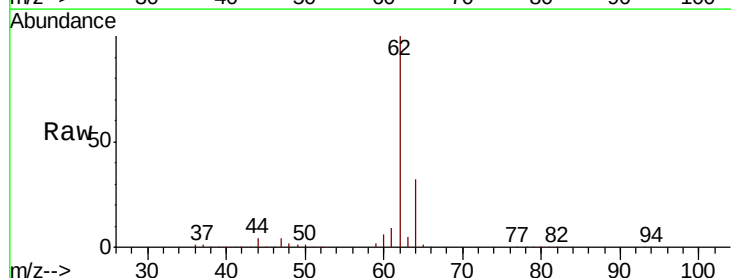
Acq: 08 Aug 2018 11:32

Tgt Ion: 62 Resp: 200442

Ion Ratio Lower Upper

62 100

64 31.8 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

200000

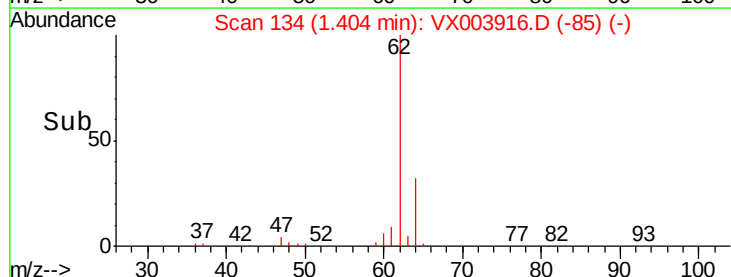
150000

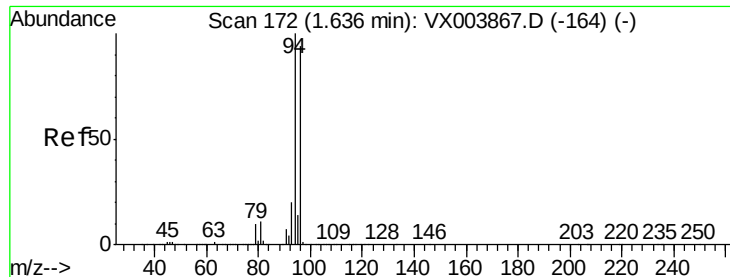
100000

50000

0

Time--> 1.30 1.40 1.50





#5

Bromomethane

Concen: 50.68 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003916.D

Acq: 08 Aug 2018 11:32

Instrument :

MSVOA_X

ClientSampled :

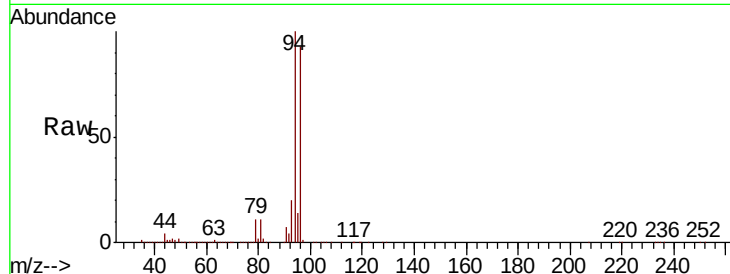
VSTDCCC050

Tot Ion: 94 Resp: 121411

Ion Ratio Lower Upper

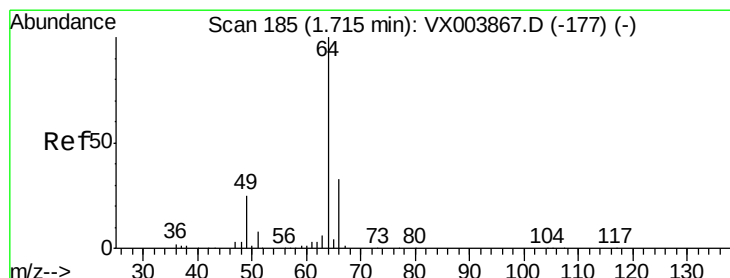
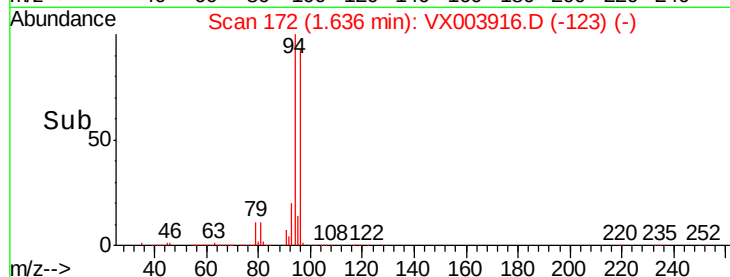
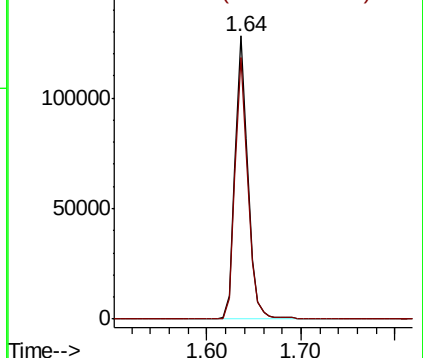
94 100

96 92.7 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 46.77 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX003916.D

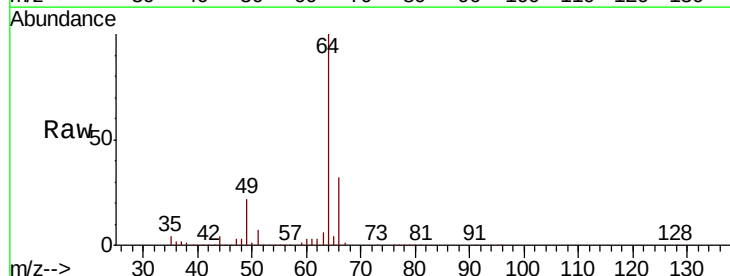
Acq: 08 Aug 2018 11:32

Tgt Ion: 64 Resp: 137226

Ion Ratio Lower Upper

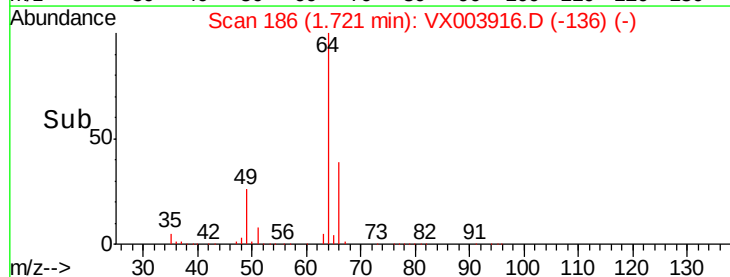
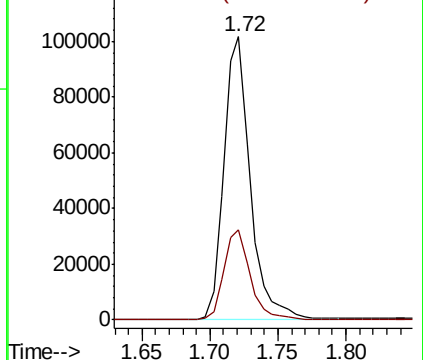
64 100

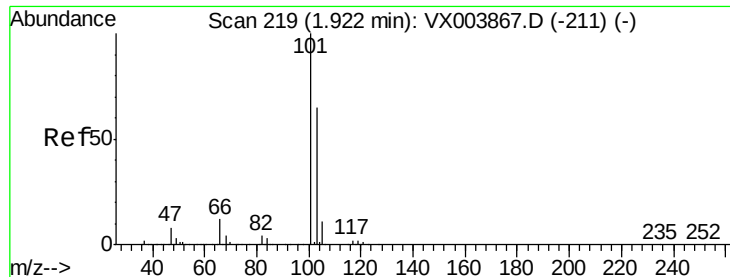
66 31.8 26.5 39.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

Trichlorofluoromethane

Concen: 46.03 ug/l

RT: 1.93 min Scan# 220

Delta R.T. 0.01 min

Lab File: VX003916.D

Acq: 08 Aug 2018 11:32

Instrument :

MSVOA_X

ClientSampleId :

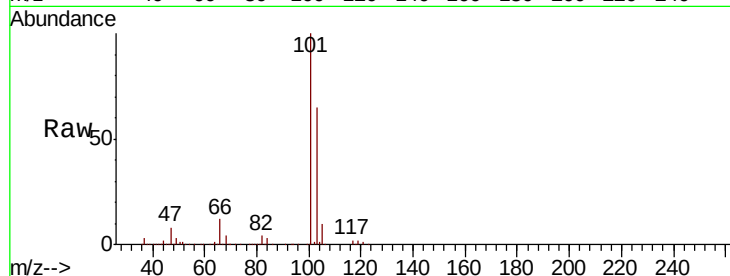
VSTDCCC050

Tot Ion:101 Resp: 278644

Ion Ratio Lower Upper

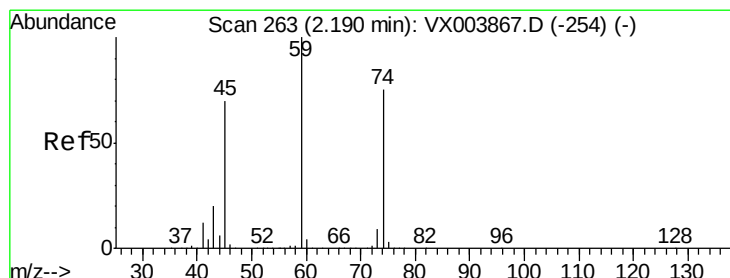
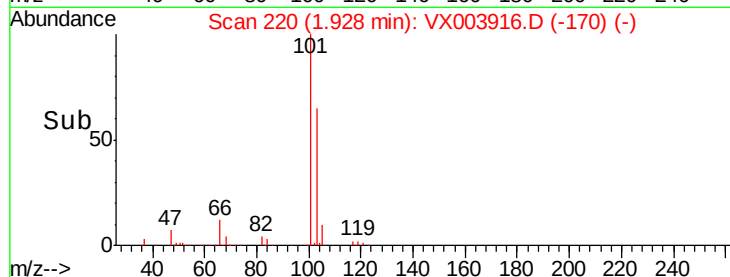
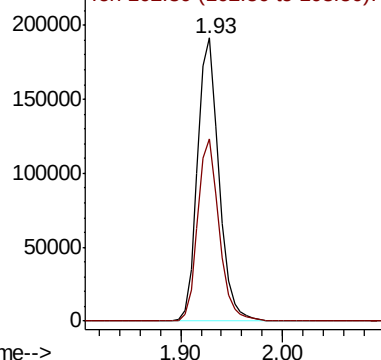
101 100

103 64.5 52.3 78.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 47.81 ug/l

RT: 2.19 min Scan# 263

Delta R.T. 0.00 min

Lab File: VX003916.D

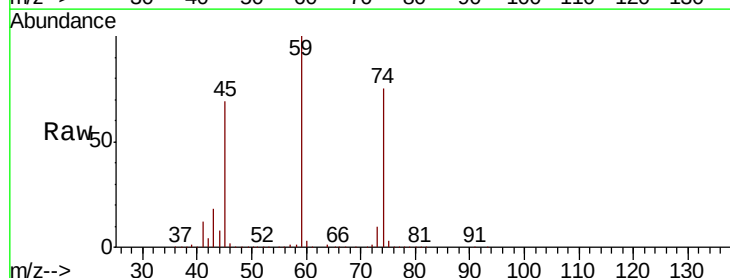
Acq: 08 Aug 2018 11:32

Tgt Ion: 74 Resp: 130100

Ion Ratio Lower Upper

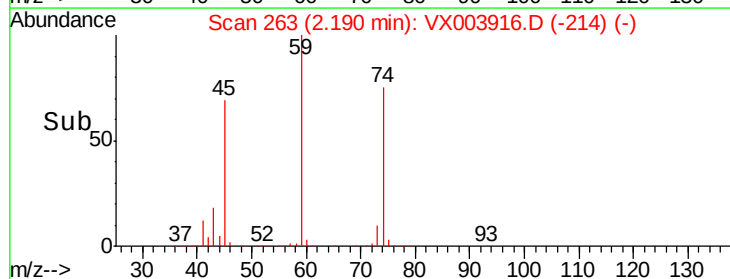
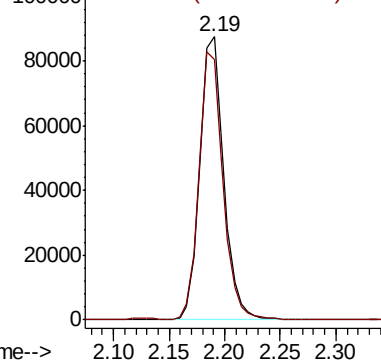
74 100

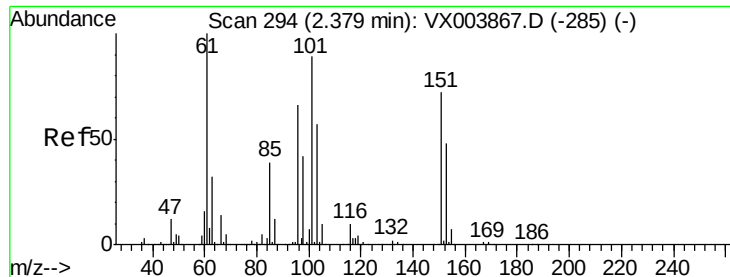
45 94.4 48.3 144.9



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.98 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX003916.D

Acq: 08 Aug 2018 11:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

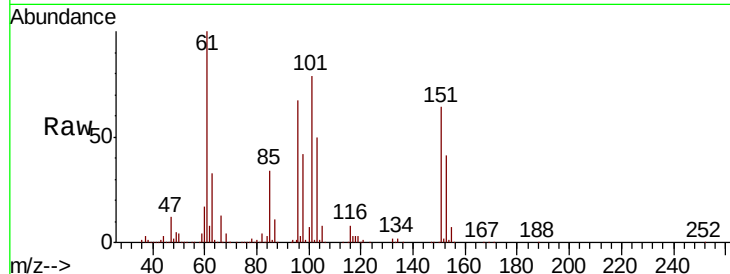
Tot Ion:101 Resp: 177790

Ion Ratio Lower Upper

101 100

85 42.5 34.2 51.4

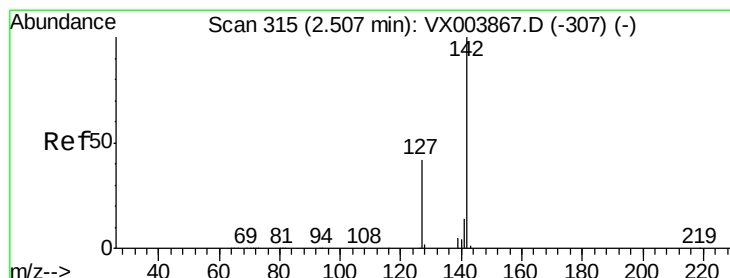
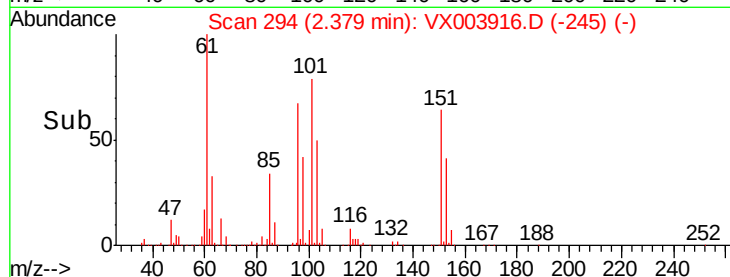
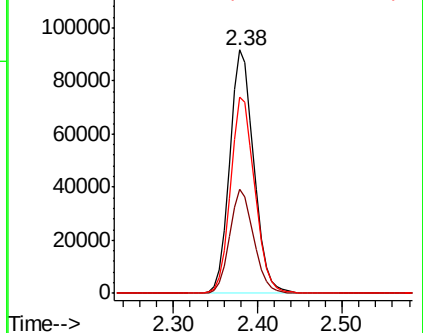
151 81.0 65.0 97.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 43.82 ug/l

RT: 2.51 min Scan# 315

Delta R.T. 0.00 min

Lab File: VX003916.D

Acq: 08 Aug 2018 11:32

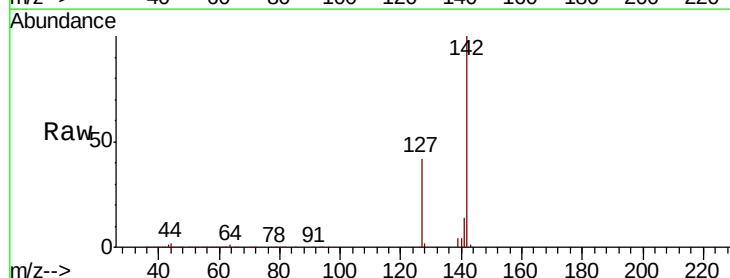
Tgt Ion:142 Resp: 206312

Ion Ratio Lower Upper

142 100

127 41.1 33.1 49.7

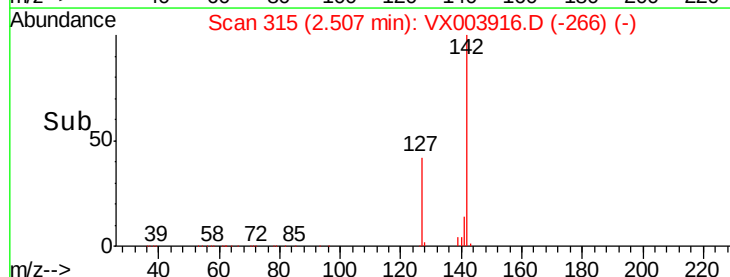
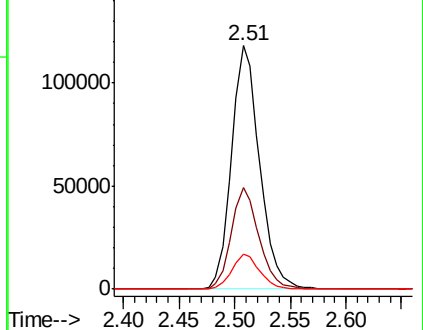
141 14.3 11.1 16.7

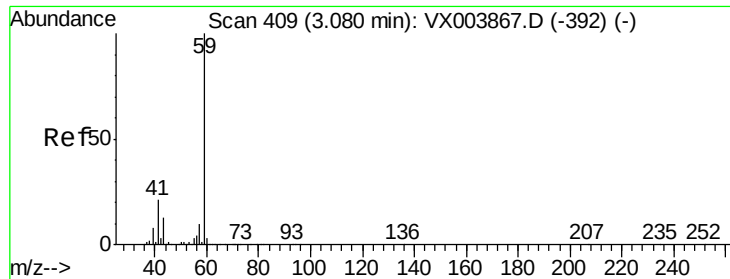


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

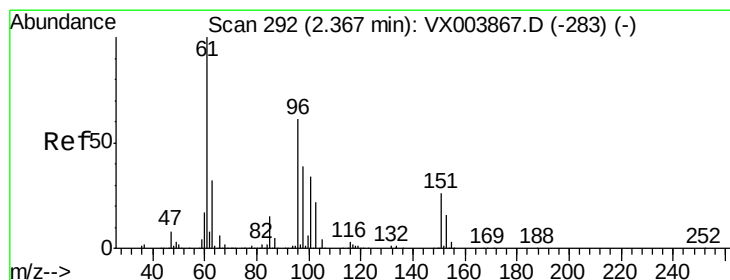
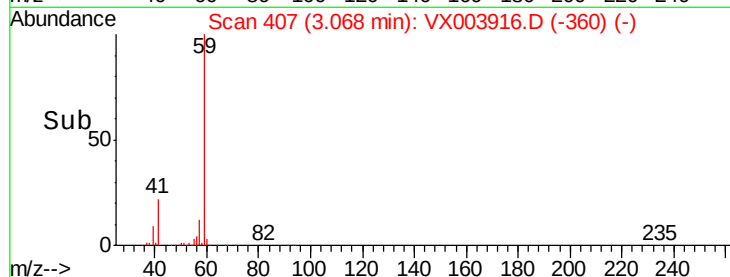
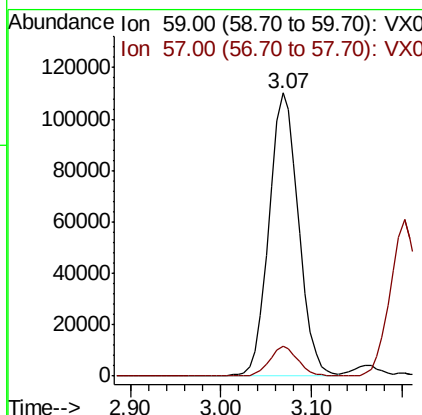
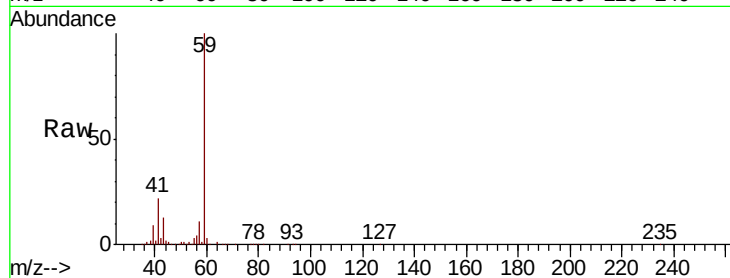




#11
Tert butyl alcohol
Concen: 233.34 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.01 min
Lab File: VX003916.D
Acq: 08 Aug 2018 11:32

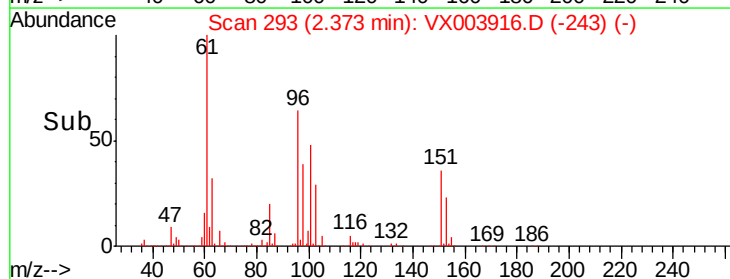
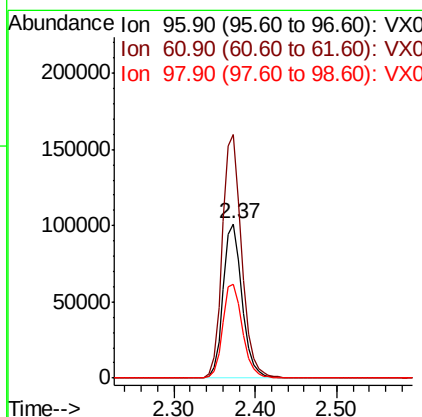
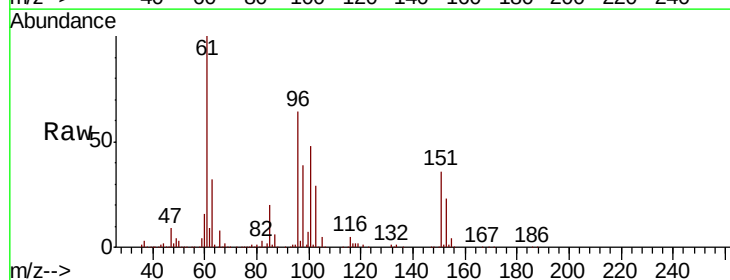
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

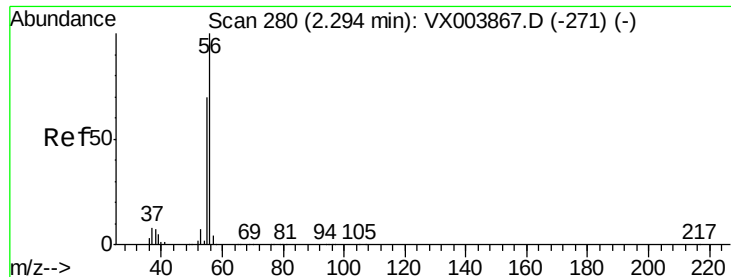
Tot Ion: 59 Resp: 247876
Ion Ratio Lower Upper
59 100
57 10.2 8.1 12.1



#12
1,1-Dichloroethene
Concen: 45.49 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.01 min
Lab File: VX003916.D
Acq: 08 Aug 2018 11:32

Tgt Ion: 96 Resp: 162818
Ion Ratio Lower Upper
96 100
61 157.4 131.3 196.9
98 60.9 51.8 77.6





#13

Acrolein

Concen: 171.65 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003916.D

Acq: 08 Aug 2018 11:32

Instrument :

MSVOA_X

ClientSampleId :

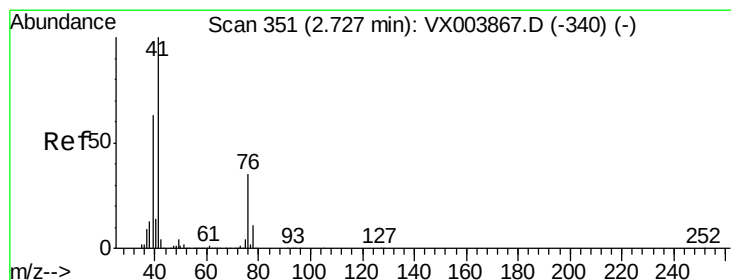
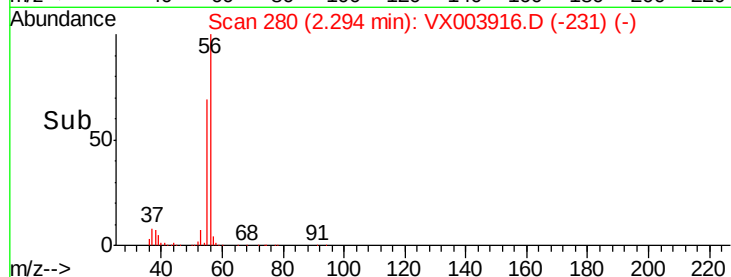
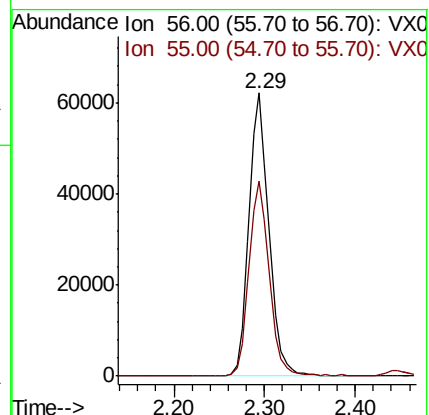
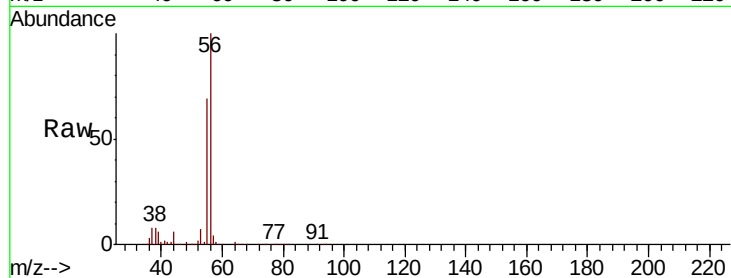
VSTDCCC050

Tot Ion: 56 Resp: 94886

Ion Ratio Lower Upper

56 100

55 69.6 56.1 84.1



#14

Allyl chloride

Concen: 46.32 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX003916.D

Acq: 08 Aug 2018 11:32

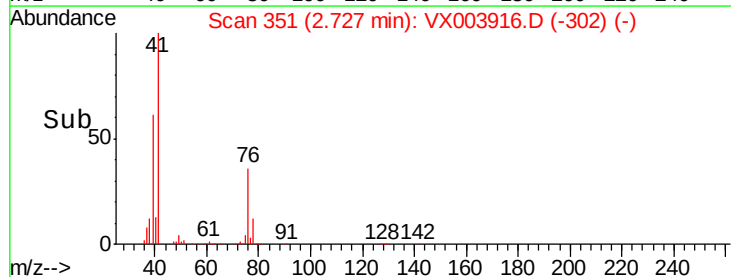
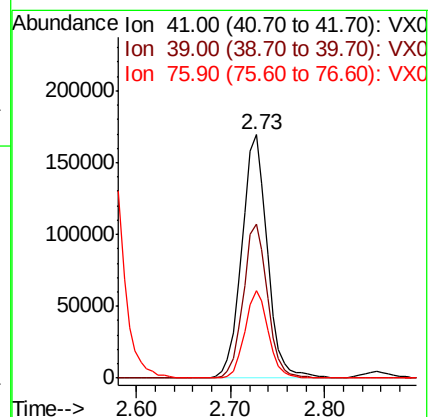
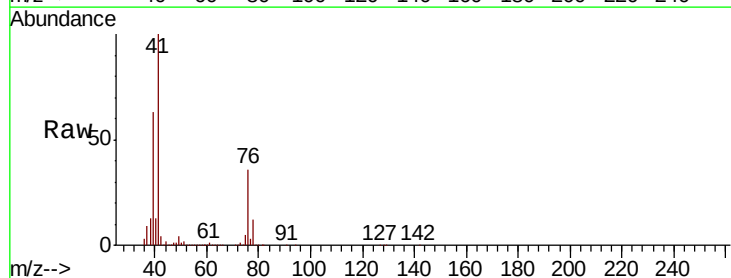
Tgt Ion: 41 Resp: 319616

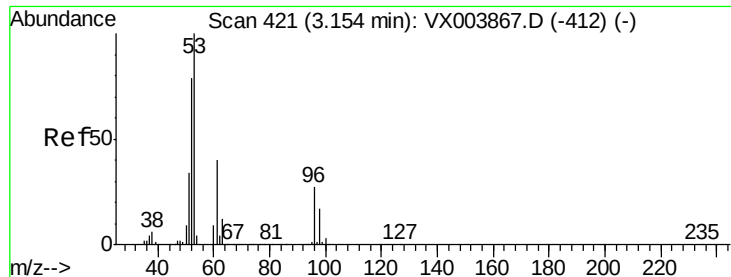
Ion Ratio Lower Upper

41 100

39 60.3 47.4 71.0

76 33.0 26.0 39.0





#15

Acrylonitrile

Concen: 230.94 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX003916.D

Acq: 08 Aug 2018 11:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

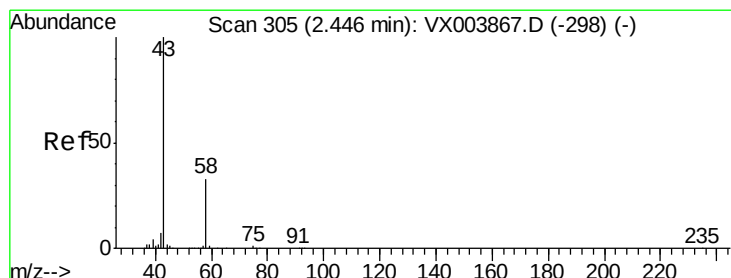
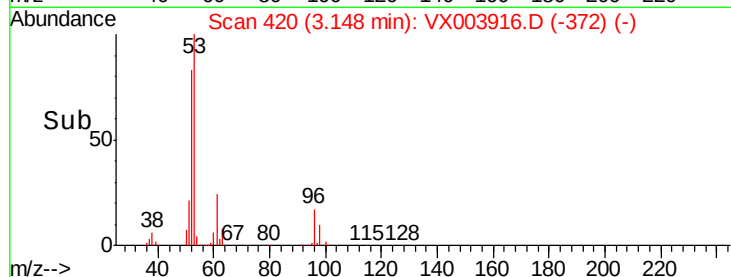
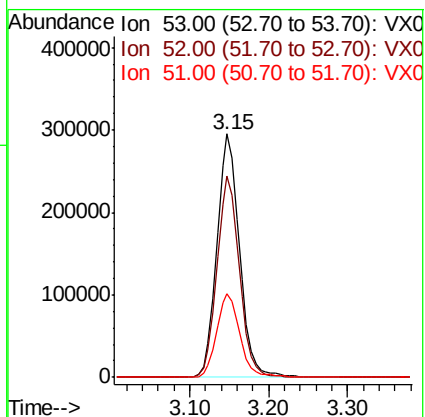
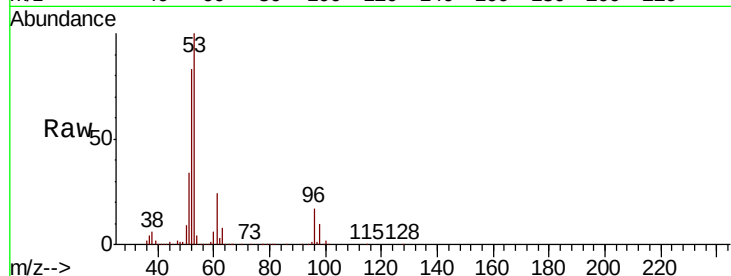
Tot Ion: 53 Resp: 585396

Ion Ratio Lower Upper

53 100

52 82.2 65.3 97.9

51 35.3 27.9 41.9



#16

Acetone

Concen: 230.03 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003916.D

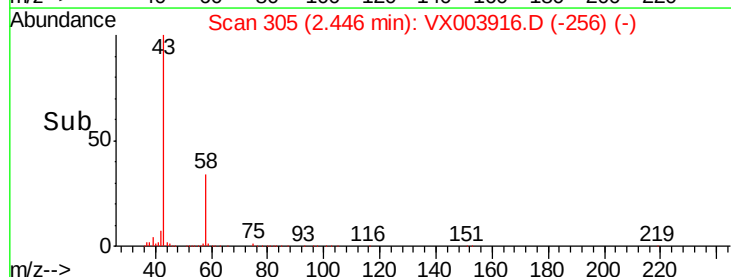
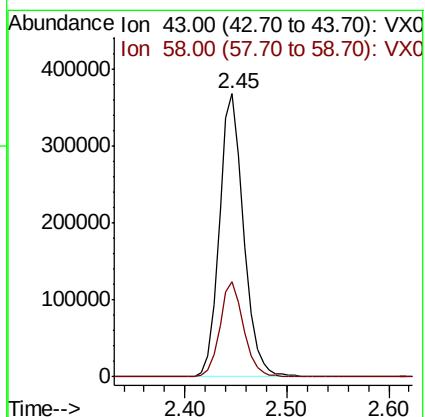
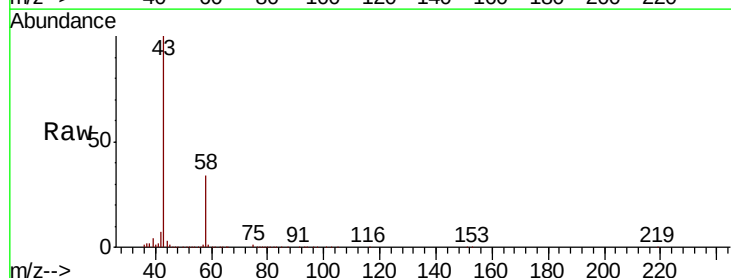
Acq: 08 Aug 2018 11:32

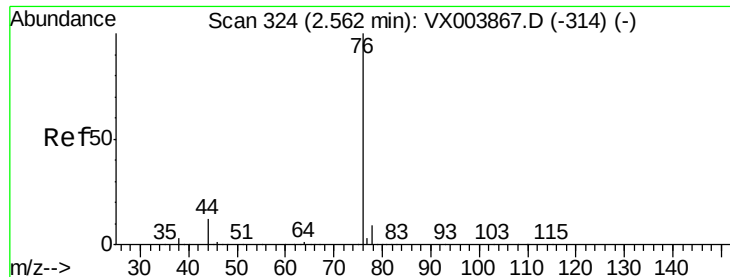
Tgt Ion: 43 Resp: 604981

Ion Ratio Lower Upper

43 100

58 33.5 26.4 39.6

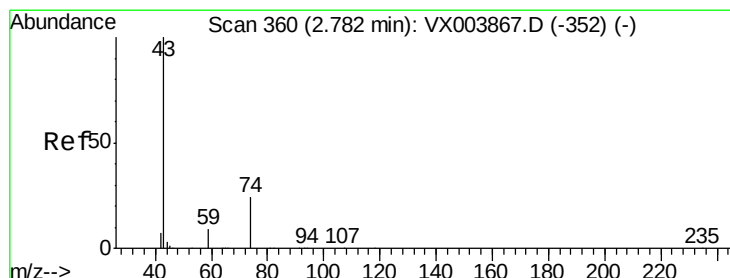
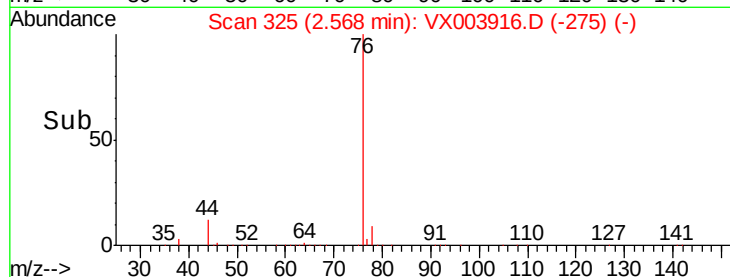
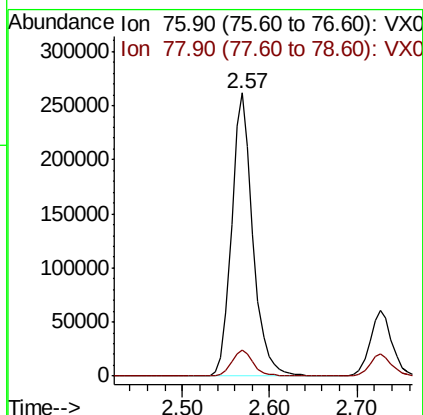
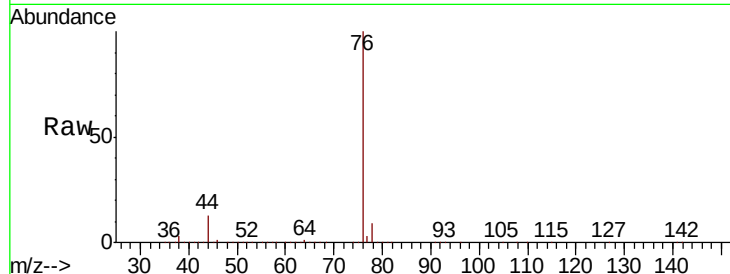




#17
Carbon Disulfide
Concen: 43.65 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.01 min
Lab File: VX003916.D
Acq: 08 Aug 2018 11:32

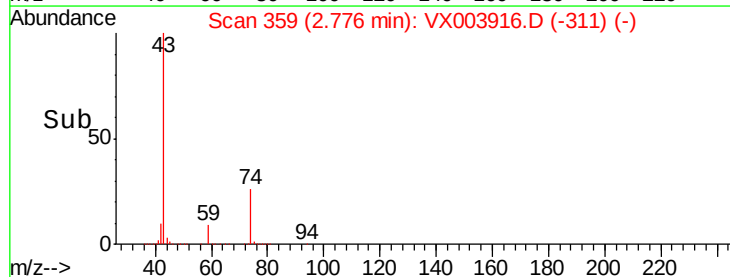
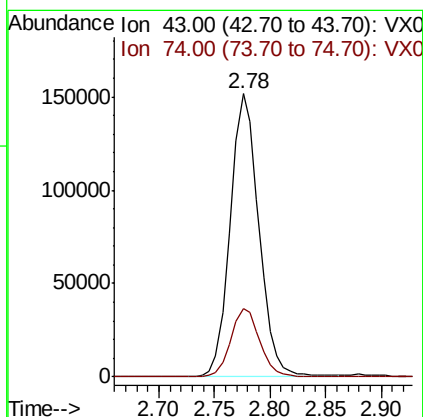
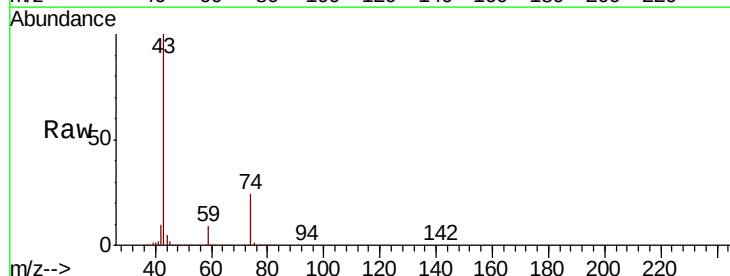
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

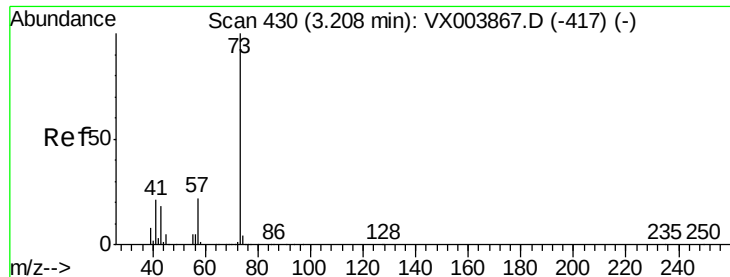
Tot Ion: 76 Resp: 442216
Ion Ratio Lower Upper
76 100
78 9.3 7.5 11.3



#18
Methyl Acetate
Concen: 46.99 ug/l
RT: 2.78 min Scan# 359
Delta R.T. -0.01 min
Lab File: VX003916.D
Acq: 08 Aug 2018 11:32

Tgt Ion: 43 Resp: 269103
Ion Ratio Lower Upper
43 100
74 24.9 18.9 28.3





#19

Methyl tert-butyl Ether

Concen: 48.92 ug/l

RT: 3.20 min Scan# 429

Delta R.T. -0.01 min

Lab File: VX003916.D

Acq: 08 Aug 2018 11:32

Instrument :

MSVOA_X

ClientSampleId :

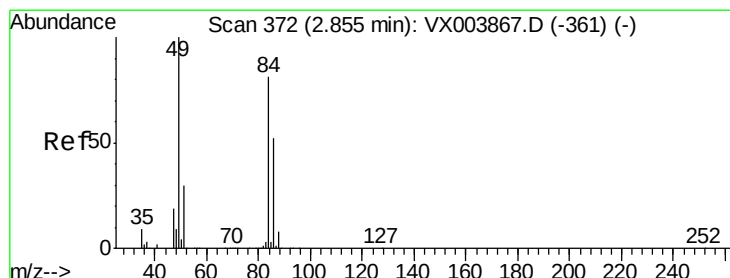
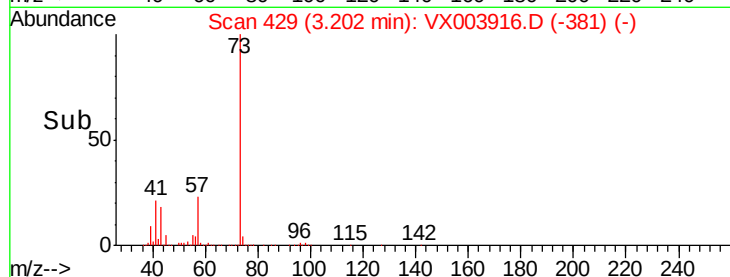
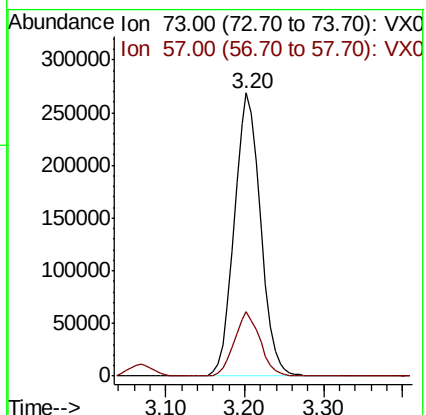
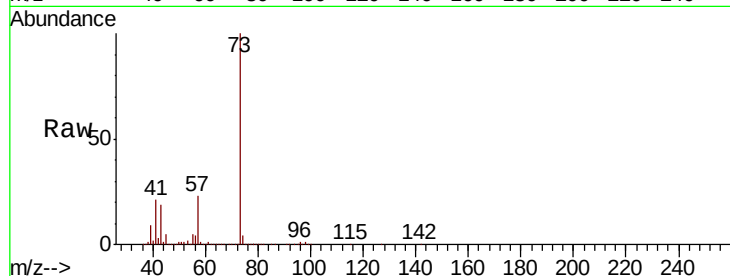
VSTDCCC050

Tot Ion: 73 Resp: 620511

Ion Ratio Lower Upper

73 100

57 22.7 18.0 27.0



#20

Methylene Chloride

Concen: 48.18 ug/l

RT: 2.85 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX003916.D

Acq: 08 Aug 2018 11:32

Tgt Ion: 84 Resp: 199940

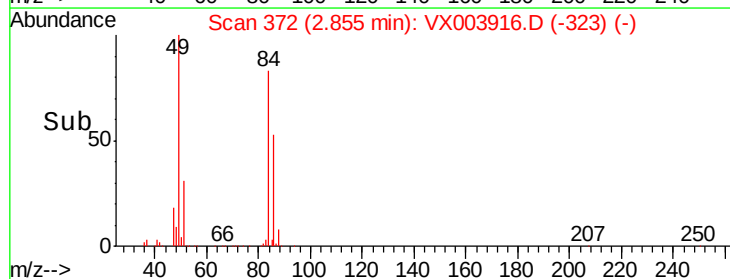
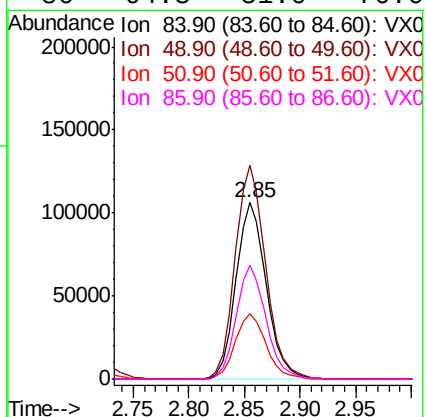
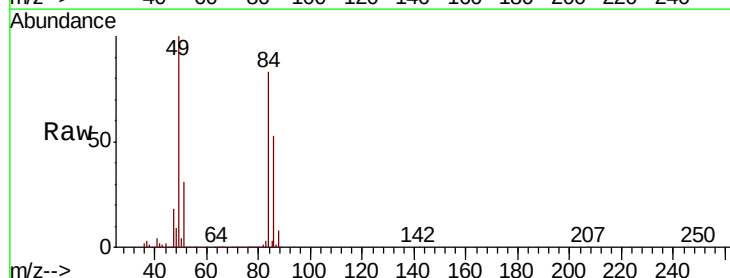
Ion Ratio Lower Upper

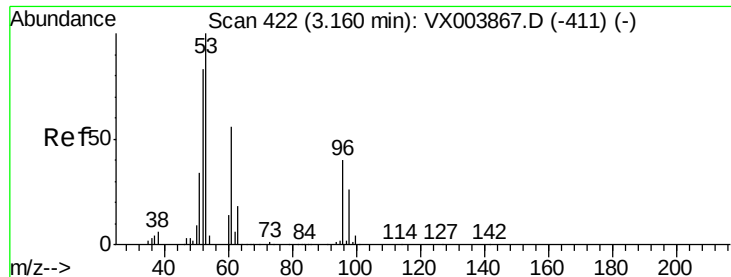
84 100

49 121.1 98.9 148.3

51 37.0 29.9 44.9

86 64.3 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 45.03 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.00 min

Lab File: VX003916.D

Acq: 08 Aug 2018 11:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

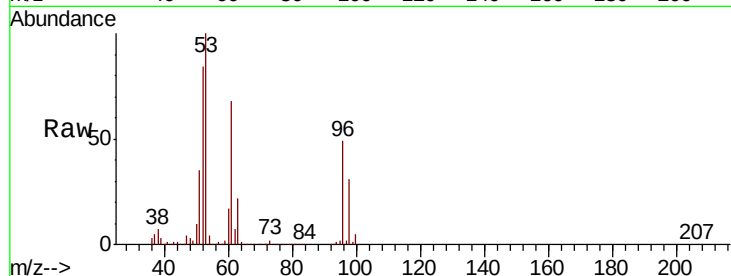
Tot Ion: 96 Resp: 182984

Ion Ratio Lower Upper

96 100

61 138.2 111.8 167.6

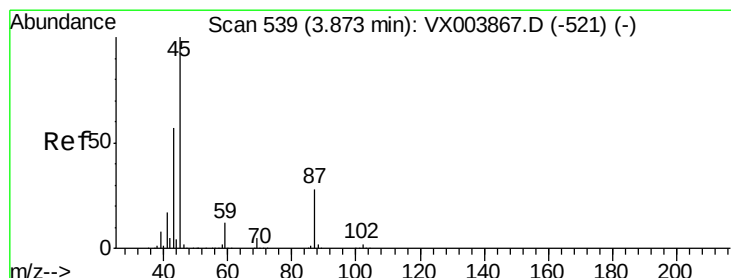
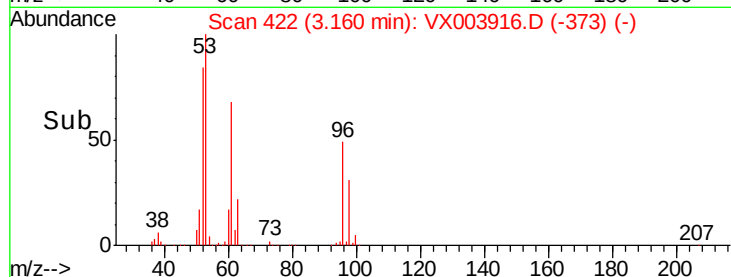
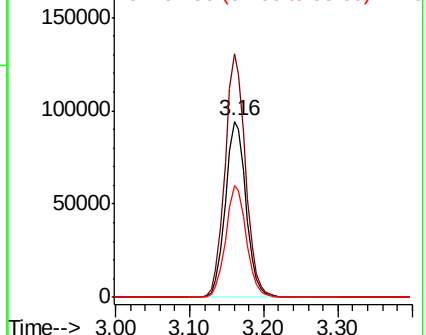
98 63.6 51.8 77.6



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 48.53 ug/l

RT: 3.87 min Scan# 539

Delta R.T. 0.00 min

Lab File: VX003916.D

Acq: 08 Aug 2018 11:32

Tgt Ion: 45 Resp: 615572

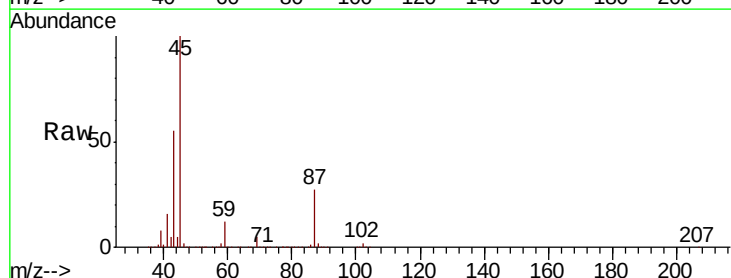
Ion Ratio Lower Upper

45 100

43 54.9 45.3 67.9

87 27.5 22.7 34.1

59 11.9 9.6 14.4

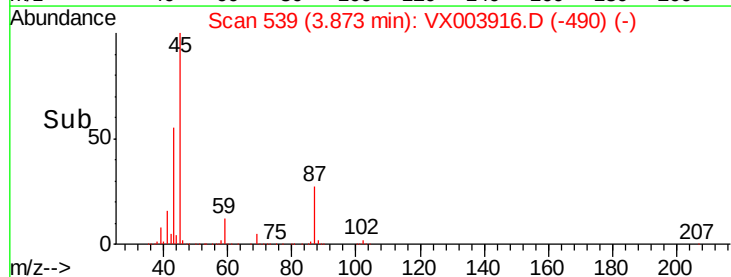
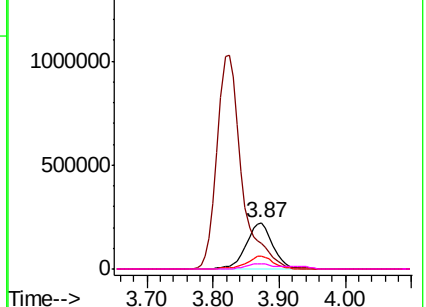


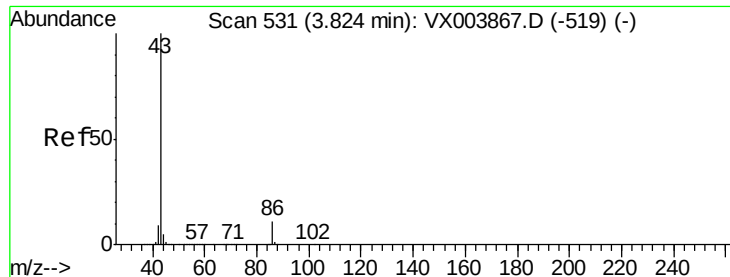
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 254.31 ug/l

RT: 3.82 min Scan# 531

Delta R.T. 0.00 min

Lab File: VX003916.D

Acq: 08 Aug 2018 11:32

Instrument :

MSVOA_X

ClientSampleId :

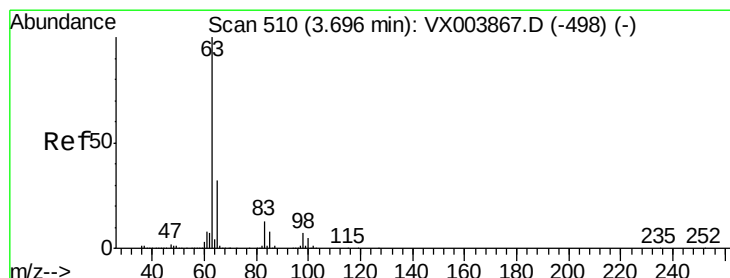
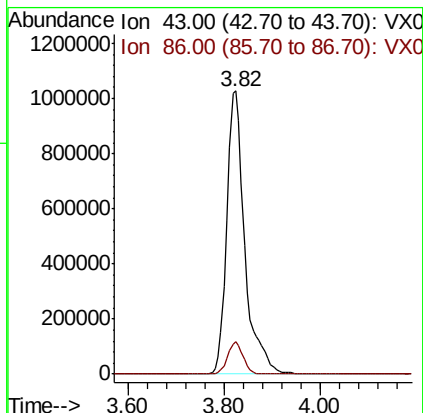
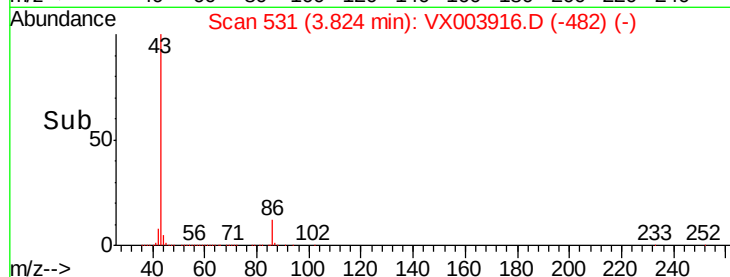
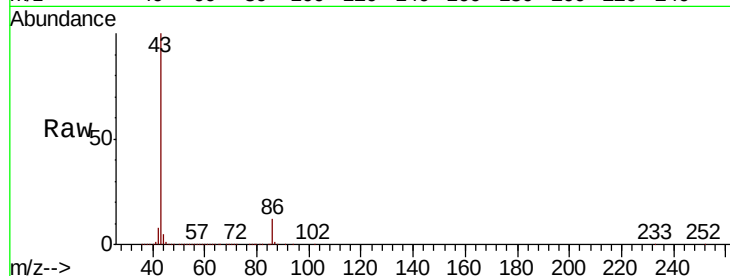
VSTDCCC050

Tot Ion: 43 Resp: 2683803

Ion Ratio Lower Upper

43 100

86 11.6 8.9 13.3



#24

1,1-Dichloroethane

Concen: 46.24 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003916.D

Acq: 08 Aug 2018 11:32

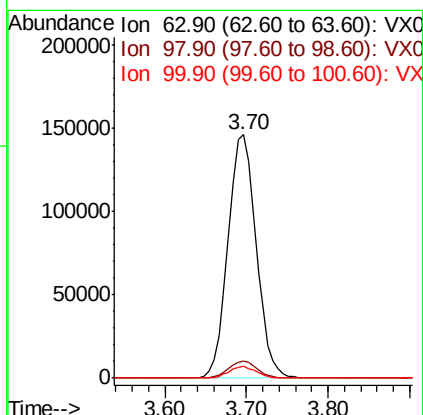
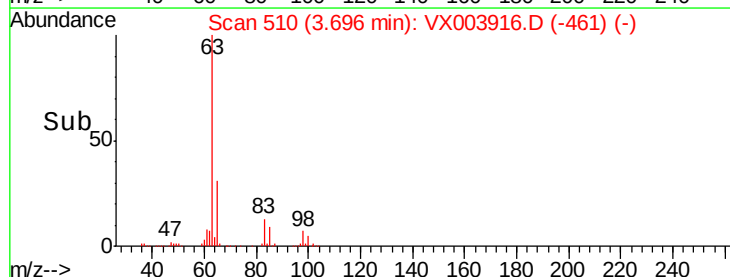
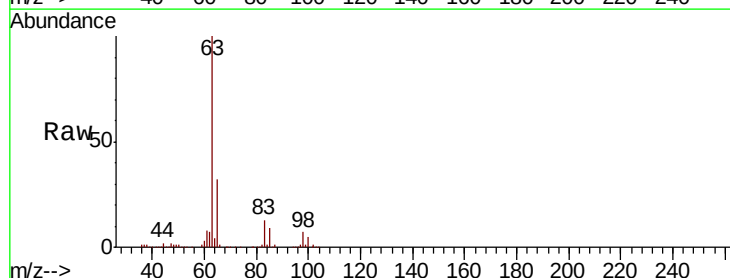
Tgt Ion: 63 Resp: 348378

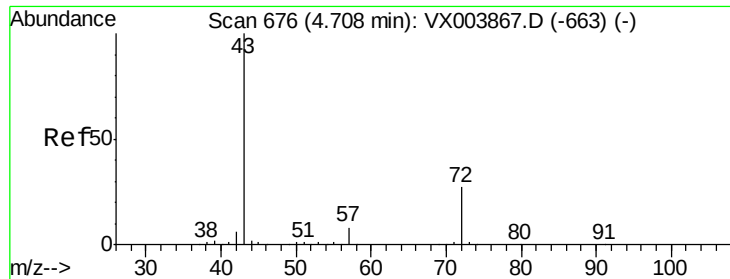
Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.5

100 4.7 2.3 6.8





#25

2-Butanone

Concen: 240.92 ug/l

RT: 4.70 min Scan# 675

Delta R.T. -0.01 min

Lab File: VX003916.D

Acq: 08 Aug 2018 11:32

Instrument :

MSVOA_X

ClientSampleId :

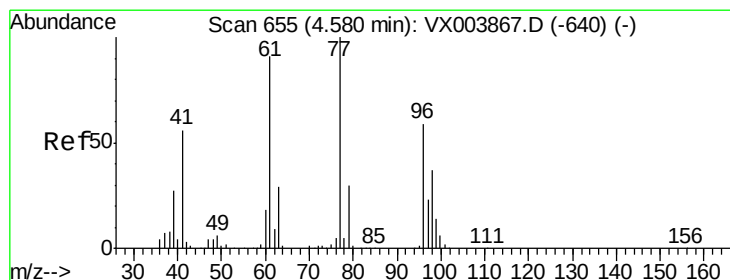
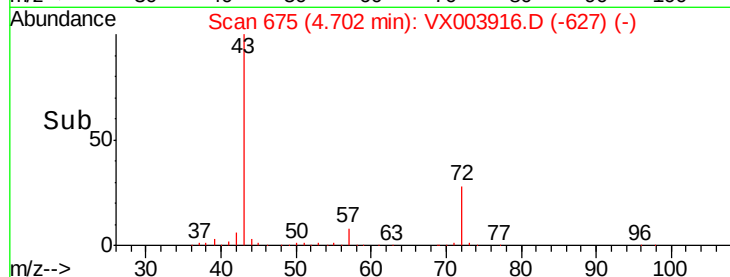
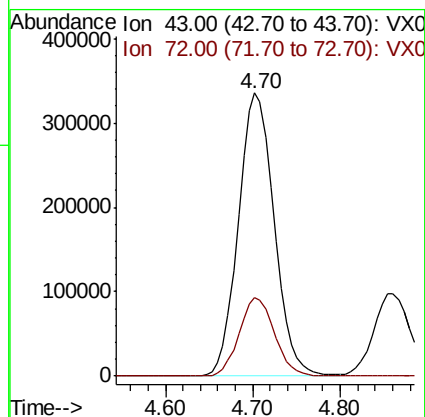
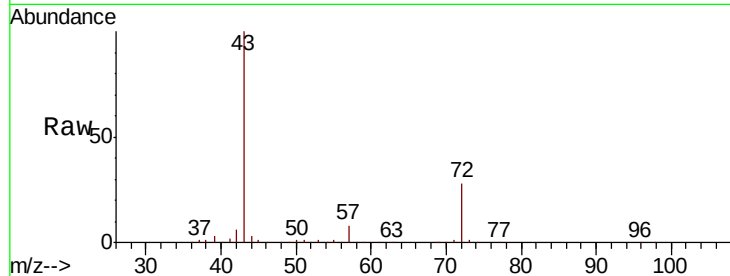
VSTDCCC050

Tot Ion: 43 Resp: 952642

Ion Ratio Lower Upper

43 100

72 27.7 21.4 32.0



#26

2,2-Dichloropropane

Concen: 48.77 ug/l

RT: 4.58 min Scan# 655

Delta R.T. 0.00 min

Lab File: VX003916.D

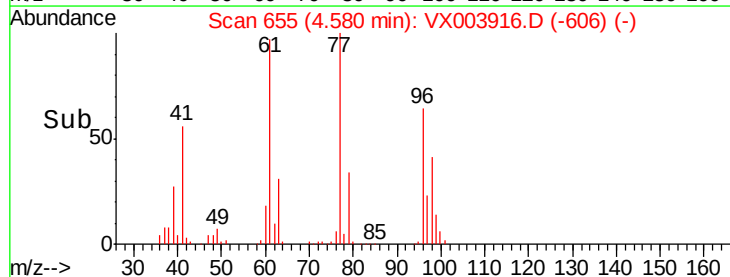
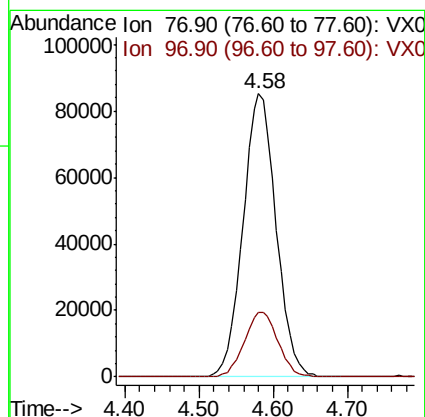
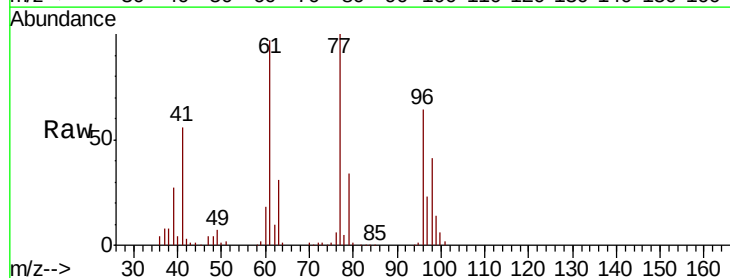
Acq: 08 Aug 2018 11:32

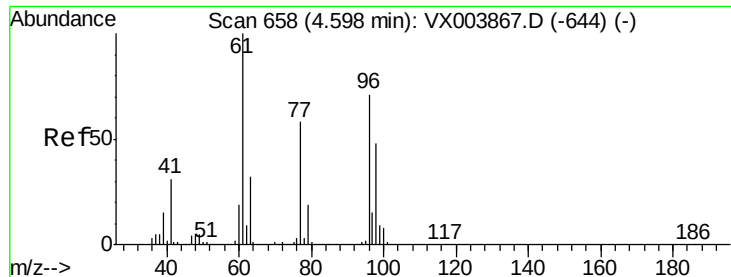
Tgt Ion: 77 Resp: 264982

Ion Ratio Lower Upper

77 100

97 23.3 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 48.09 ug/l

RT: 4.59 min Scan# 657

Delta R.T. -0.01 min

Lab File: VX003916.D

Acq: 08 Aug 2018 11:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

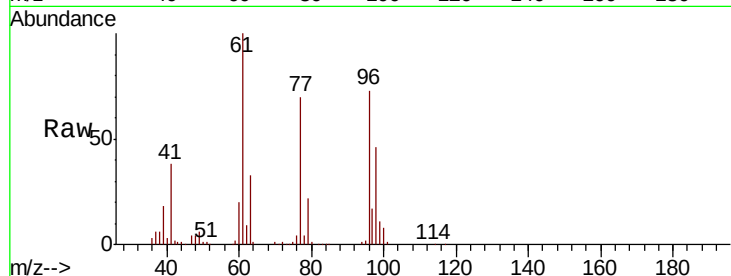
Tot Ion: 96 Resp: 212067

Ion Ratio Lower Upper

96 100

61 140.9 0.0 293.0

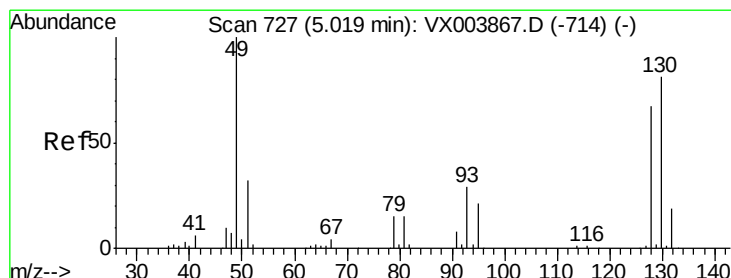
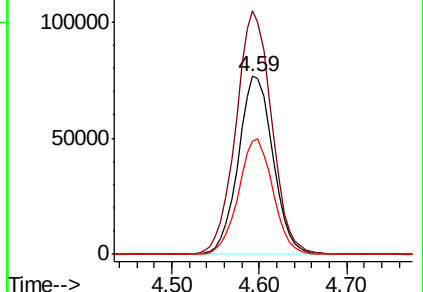
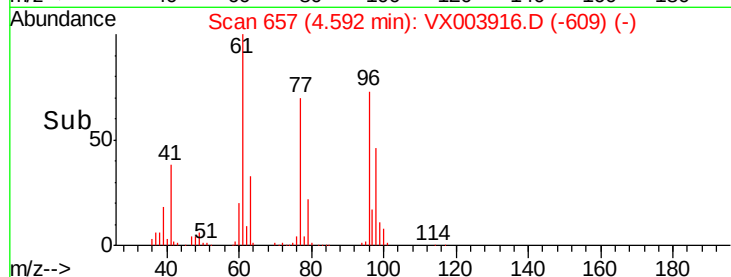
98 64.4 0.0 131.8



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane

Concen: 49.86 ug/l

RT: 5.02 min Scan# 727

Delta R.T. 0.00 min

Lab File: VX003916.D

Acq: 08 Aug 2018 11:32

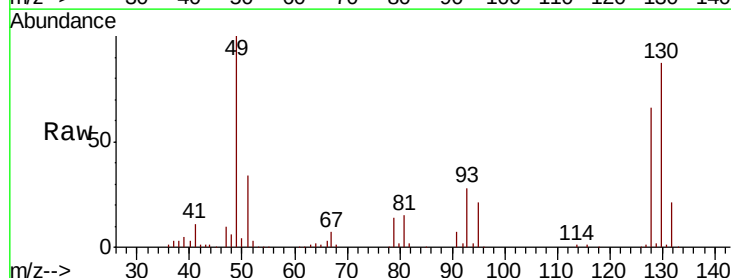
Tgt Ion: 49 Resp: 160760

Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.2

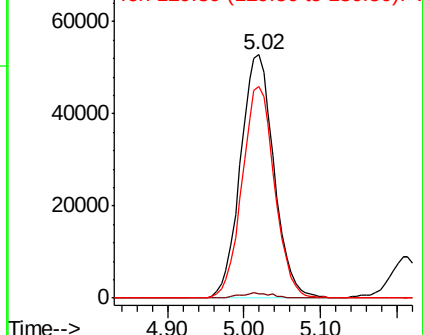
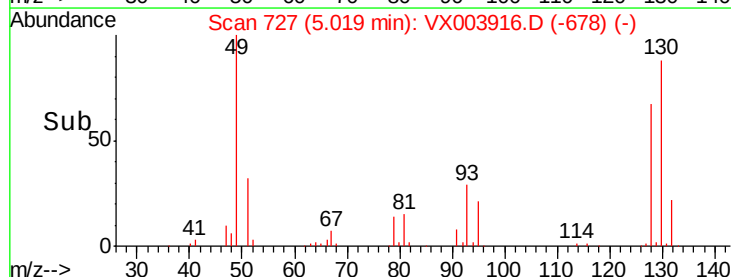
130 84.3 66.5 99.7

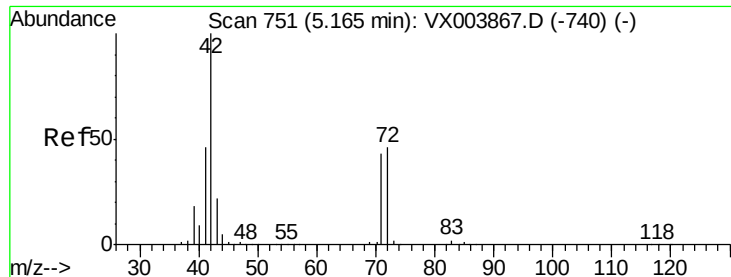


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

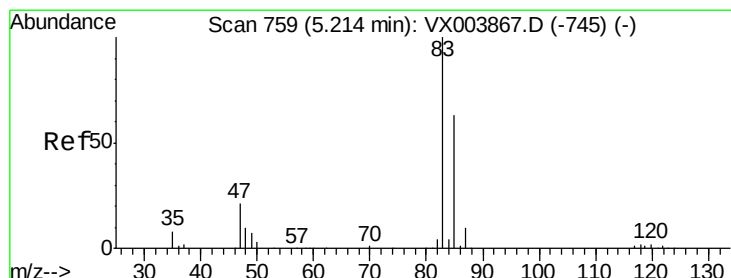
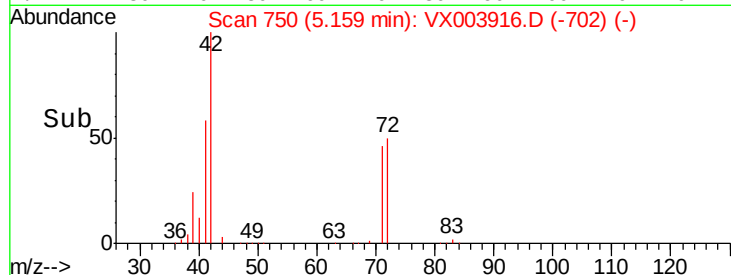
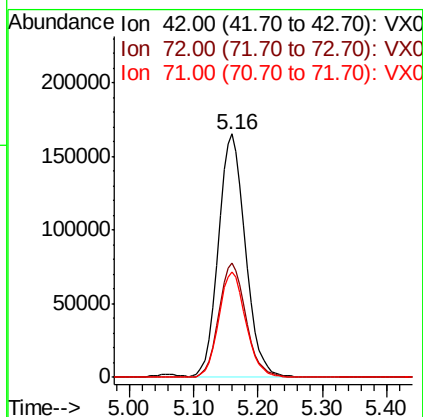
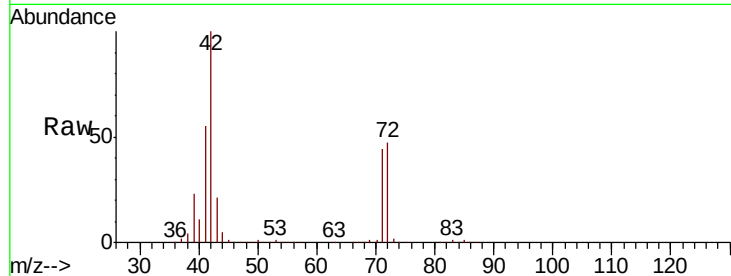




#29
Tetrahydrofuran
Concen: 239.87 ug/l
RT: 5.16 min Scan# 750
Delta R.T. -0.01 min
Lab File: VX003916.D
Acq: 08 Aug 2018 11:32

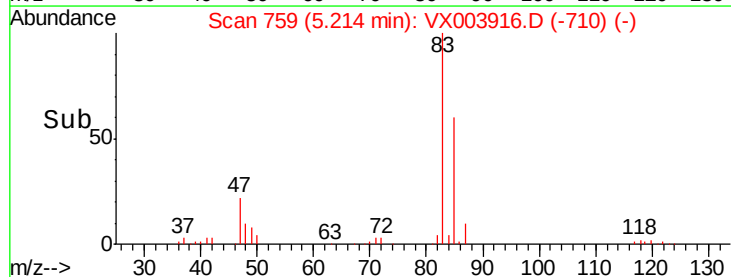
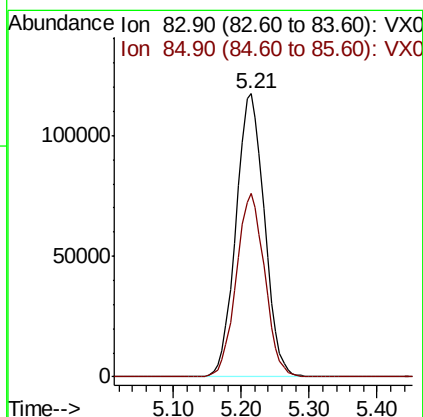
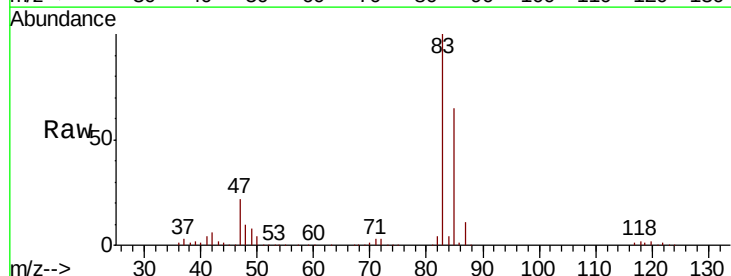
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

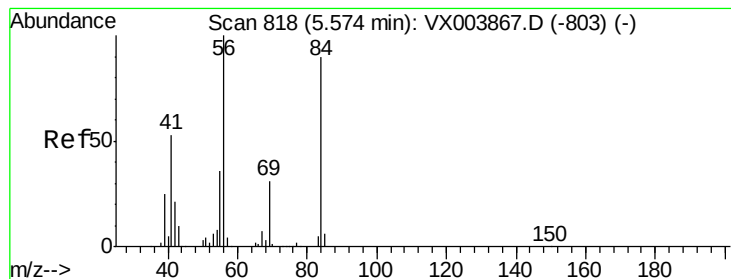
Tot Ion: 42 Resp: 487506
Ion Ratio Lower Upper
42 100
72 47.3 37.7 56.5
71 43.6 35.0 52.6



#30
Chloroform
Concen: 48.10 ug/l
RT: 5.21 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX003916.D
Acq: 08 Aug 2018 11:32

Tgt Ion: 83 Resp: 341139
Ion Ratio Lower Upper
83 100
85 64.7 50.7 76.1





#31

Cyclohexane

Concen: 46.82 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX003916.D

Acq: 08 Aug 2018 11:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

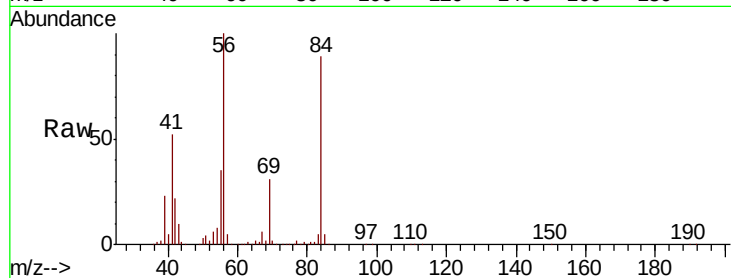
Tot Ion: 56 Resp: 298329

Ion Ratio Lower Upper

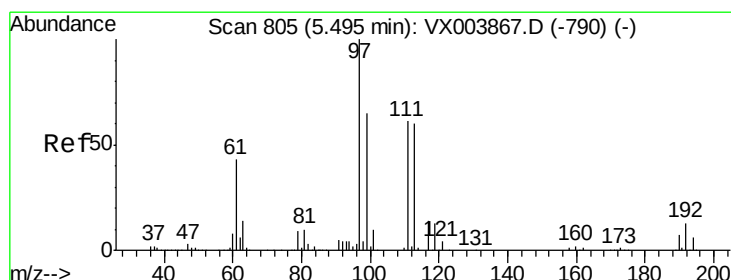
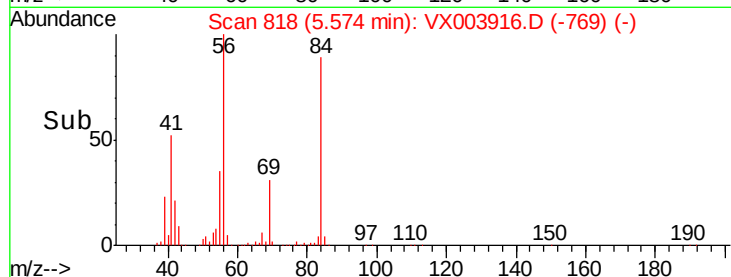
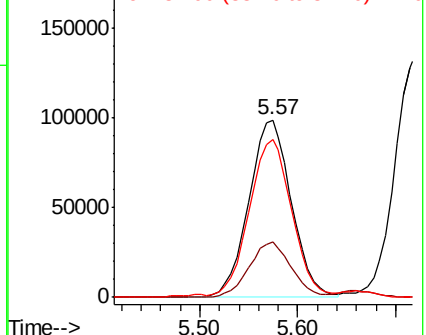
56 100

69 31.2 24.9 37.3

84 87.9 71.7 107.5



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



#32

1,1,1-Trichloroethane

Concen: 47.98 ug/l

RT: 5.49 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX003916.D

Acq: 08 Aug 2018 11:32

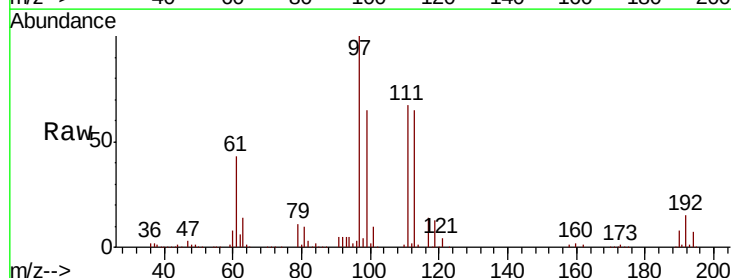
Tgt Ion: 97 Resp: 285387

Ion Ratio Lower Upper

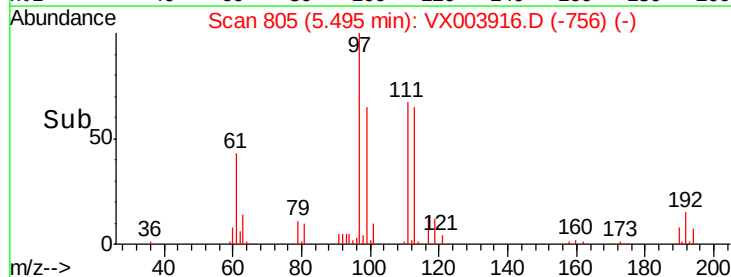
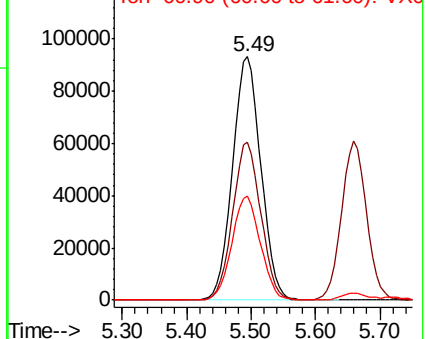
97 100

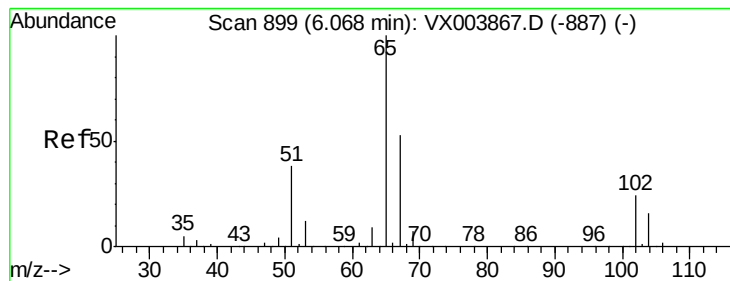
99 64.3 51.8 77.8

61 43.0 34.4 51.6



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





#33

1,2-Dichloroethane-d4

Concen: 50.38 ug/l

RT: 6.07 min Scan# 899

Delta R.T. 0.00 min

Lab File: VX003916.D

Acq: 08 Aug 2018 11:32

Instrument :

MSVOA_X

ClientSampleId :

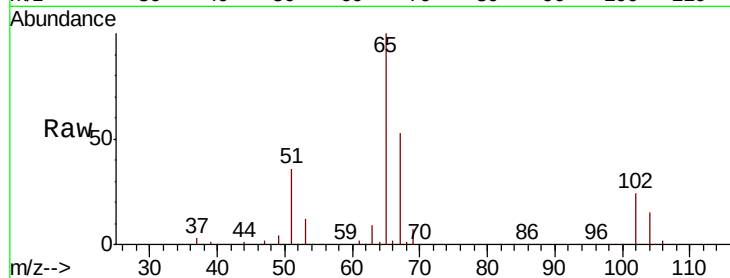
VSTDCCC050

Tot Ion: 65 Resp: 222727

Ion Ratio Lower Upper

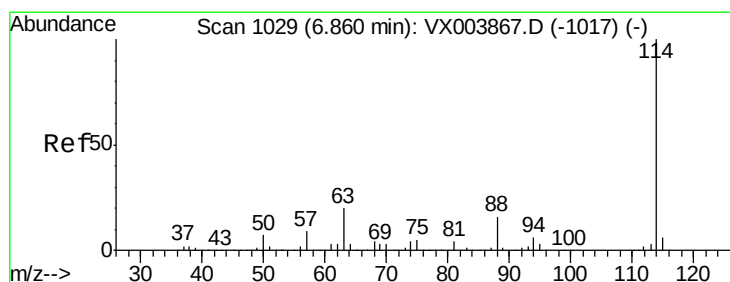
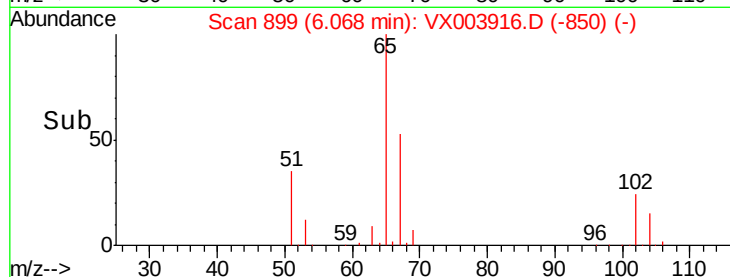
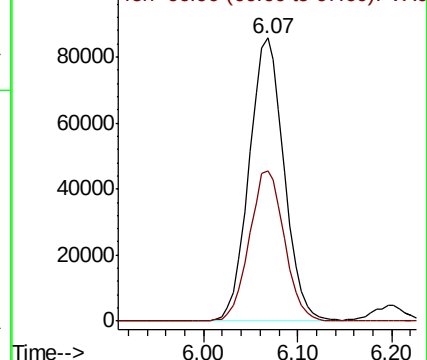
65 100

67 53.5 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.86 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VX003916.D

Acq: 08 Aug 2018 11:32

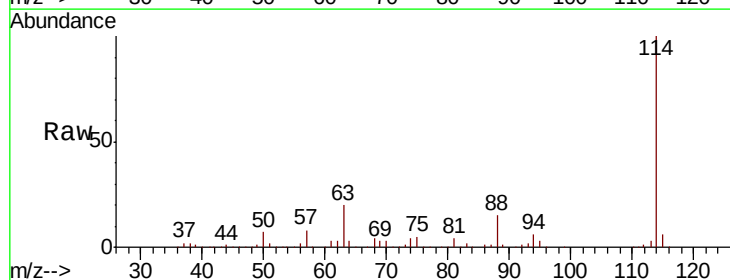
Tgt Ion: 114 Resp: 479130

Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.0

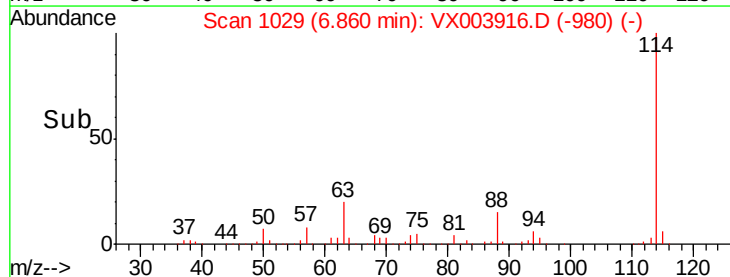
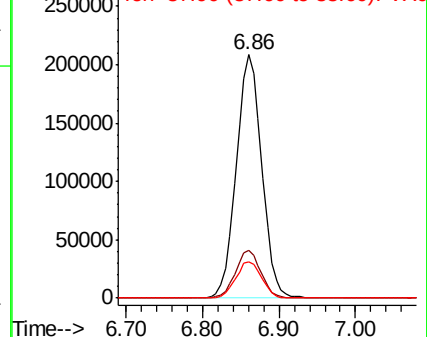
88 15.1 0.0 32.0

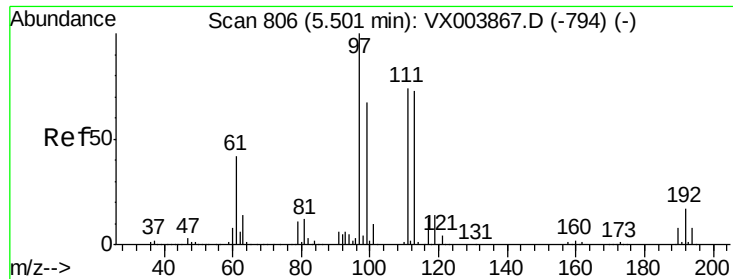


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

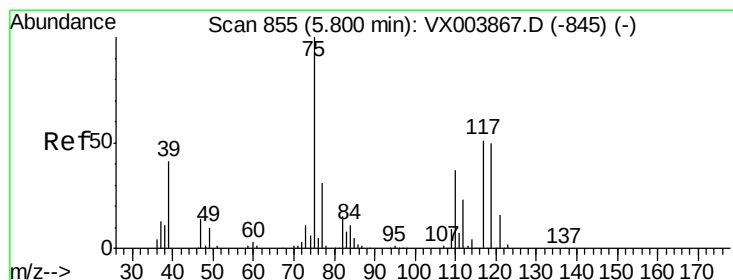
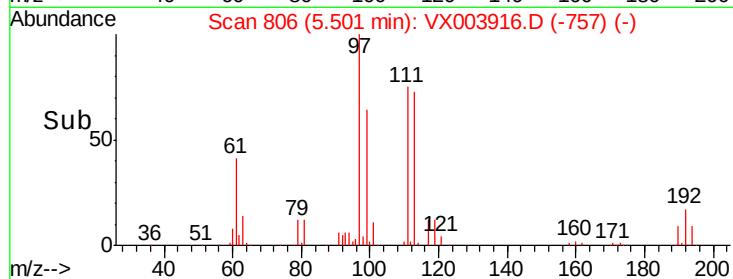
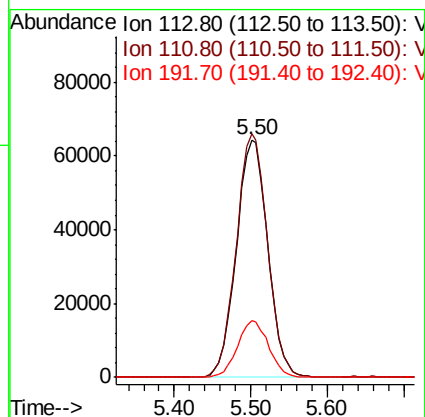
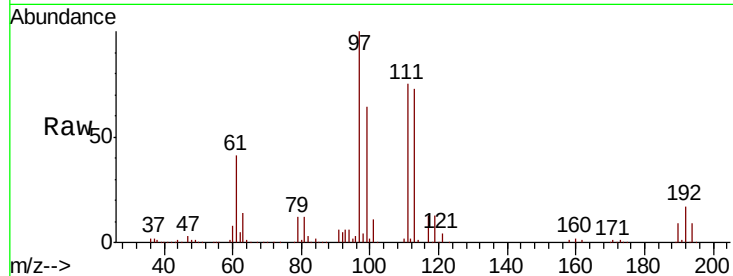




#35
 Dibromofluoromethane
 Concen: 50.41 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX003916.D
 Acq: 08 Aug 2018 11:32

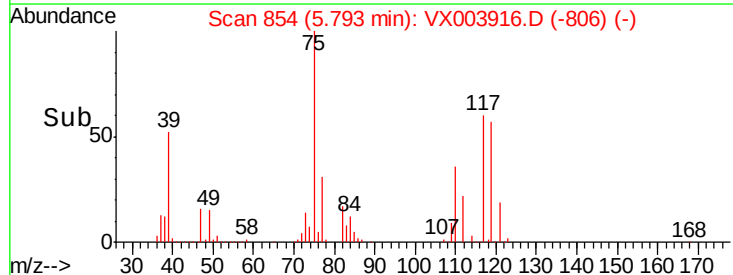
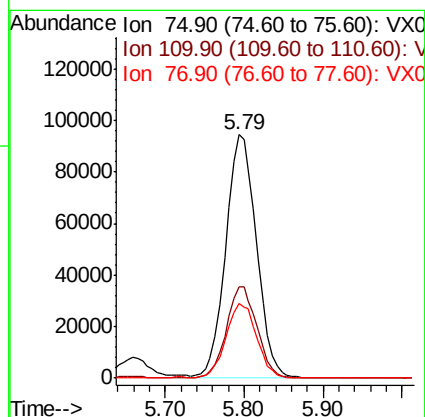
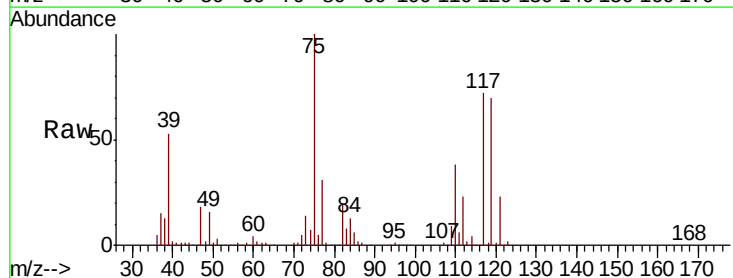
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

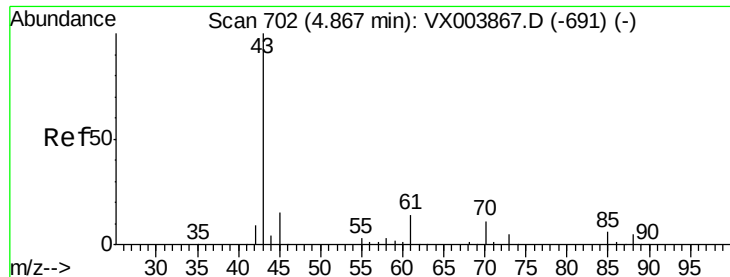
Tot Ion:113 Resp: 182963
 Ion Ratio Lower Upper
 113 100
 111 102.0 82.0 123.0
 192 23.6 19.0 28.4



#36
 1,1-Dichloropropene
 Concen: 47.50 ug/l
 RT: 5.79 min Scan# 854
 Delta R.T. -0.01 min
 Lab File: VX003916.D
 Acq: 08 Aug 2018 11:32

Tgt Ion: 75 Resp: 254916
 Ion Ratio Lower Upper
 75 100
 110 37.5 18.2 54.6
 77 30.8 25.0 37.4

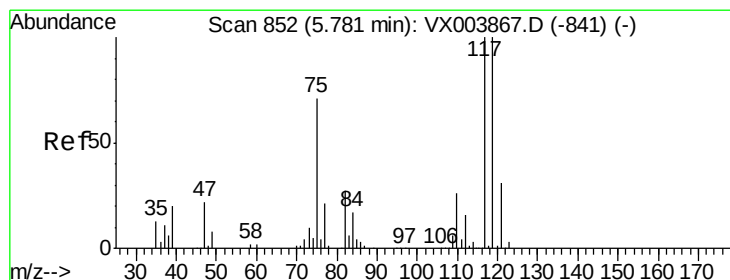
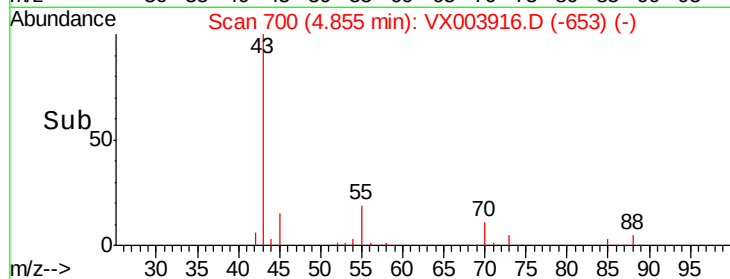
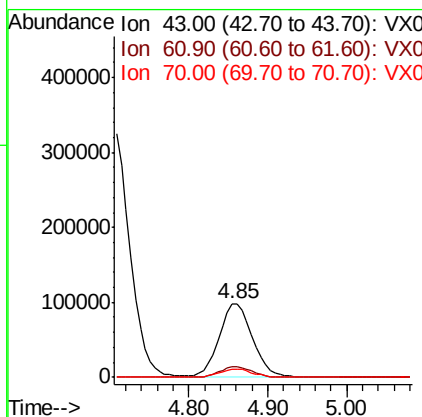
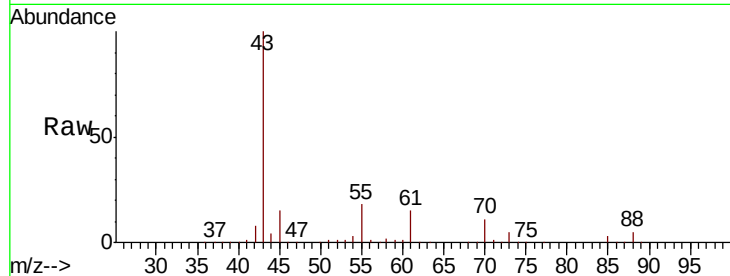




#37
Ethyl Acetate
Concen: 48.82 ug/l
RT: 4.85 min Scan# 700
Delta R.T. -0.01 min
Lab File: VX003916.D
Acq: 08 Aug 2018 11:32

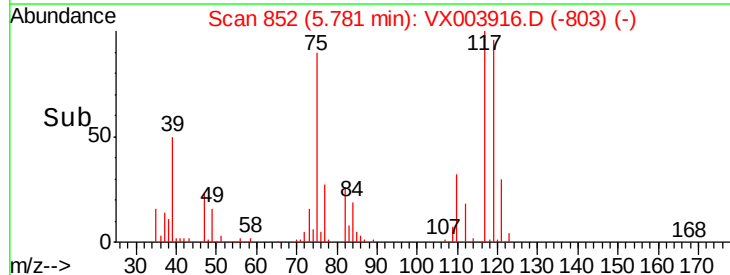
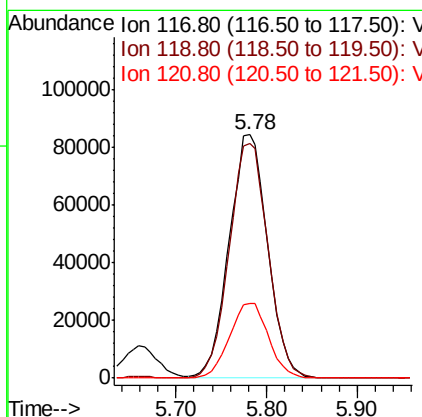
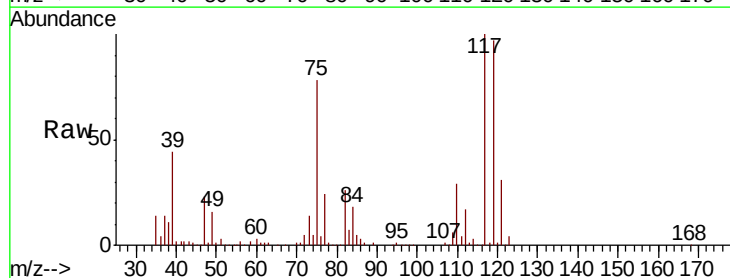
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

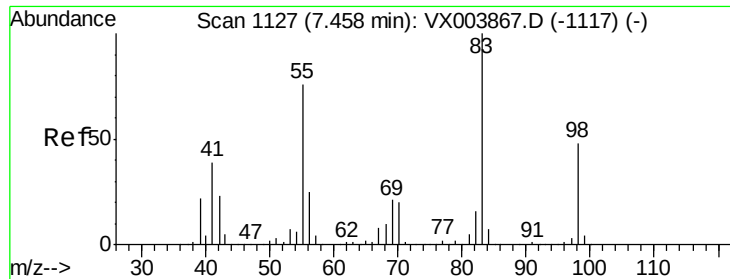
Tot Ion	43	Resp	288170
Ion Ratio	Lower	Upper	
43	100		
61	14.4	11.5	17.3
70	11.3	9.0	13.4



#38
Carbon Tetrachloride
Concen: 48.39 ug/l
RT: 5.78 min Scan# 852
Delta R.T. 0.00 min
Lab File: VX003916.D
Acq: 08 Aug 2018 11:32

Tgt Ion	117	Resp	247146
Ion Ratio	Lower	Upper	
117	100		
119	96.6	79.5	119.3
121	30.6	25.0	37.4

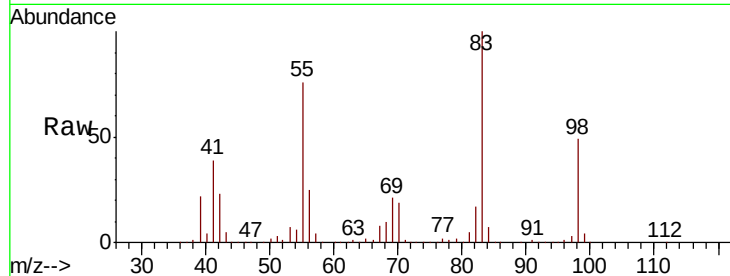




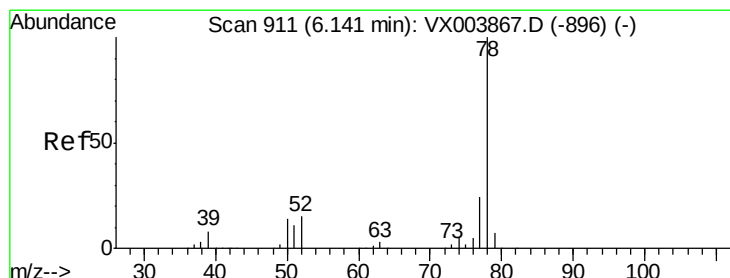
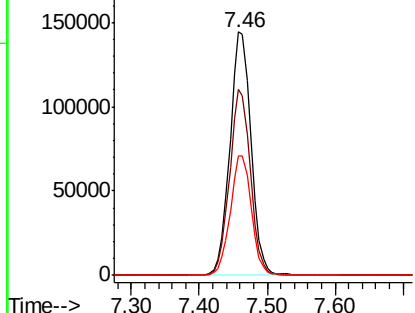
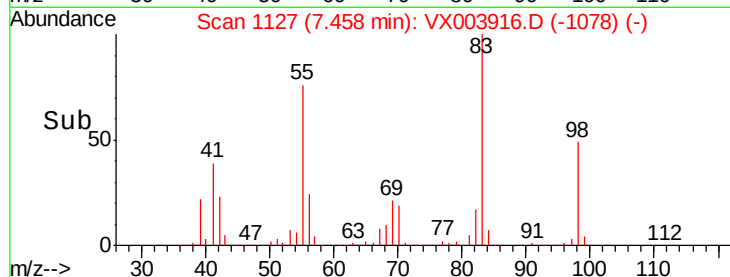
#39
Methylvlcyclohexane
Concen: 49.33 ug/l
RT: 7.46 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VX003916.D
Acq: 08 Aug 2018 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 312082
Ion Ratio Lower Upper
83 100
55 76.3 61.0 91.6
98 48.9 38.6 57.8

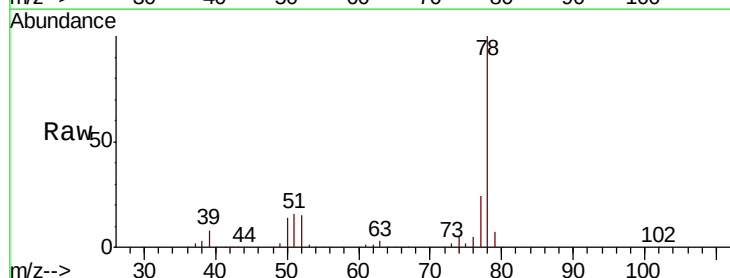


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

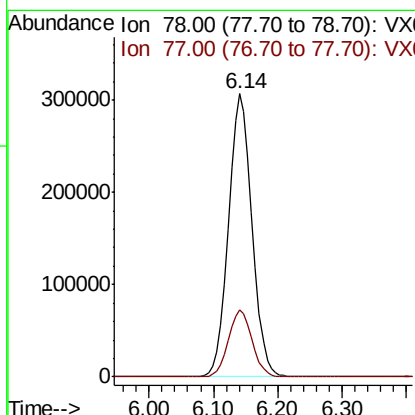
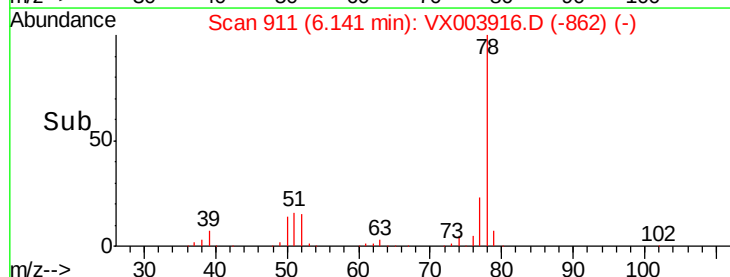


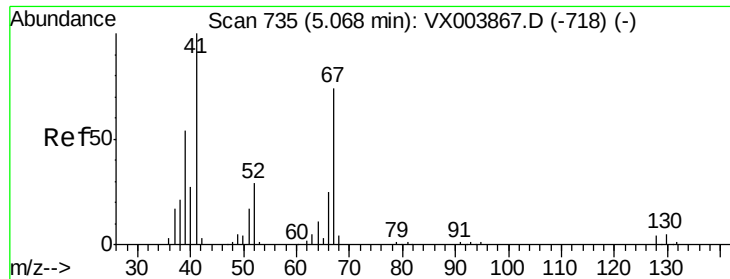
#40
Benzene
Concen: 48.74 ug/l
RT: 6.14 min Scan# 911
Delta R.T. 0.00 min
Lab File: VX003916.D
Acq: 08 Aug 2018 11:32

Tgt Ion: 78 Resp: 785430
Ion Ratio Lower Upper
78 100
77 23.5 19.0 28.4



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

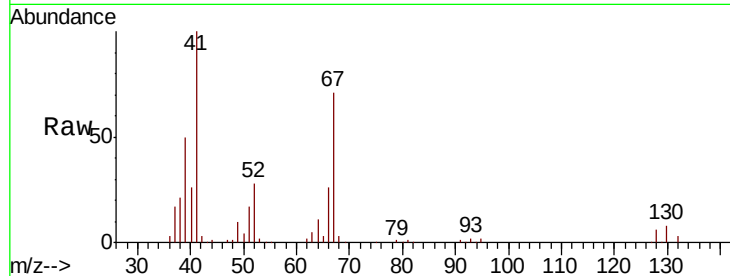




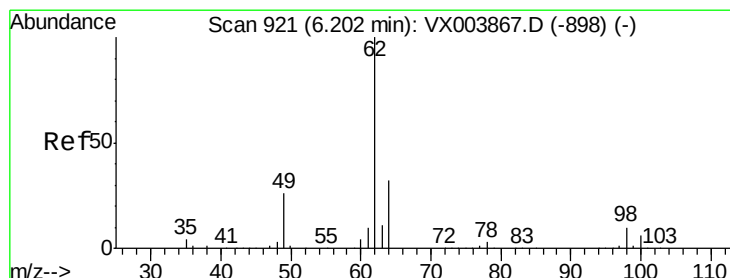
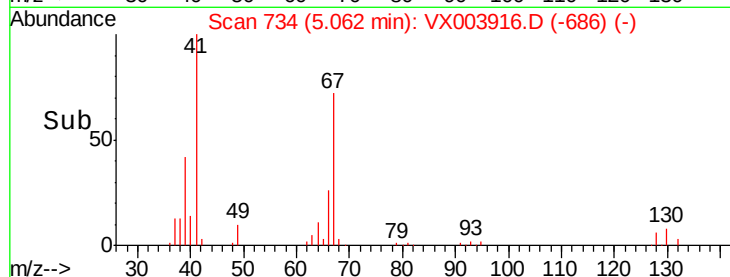
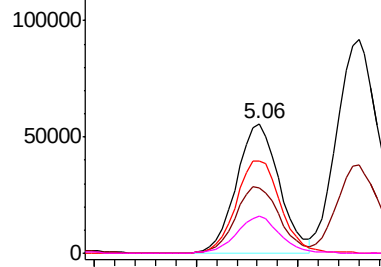
#41
Methacrylonitrile
Concen: 49.79 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.01 min
Lab File: VX003916.D
Acq: 08 Aug 2018 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	161872
Ion	Ratio	Lower	Upper
41	100		
39	52.9	42.7	64.1
67	74.2	58.9	88.3
52	28.2	22.6	33.8

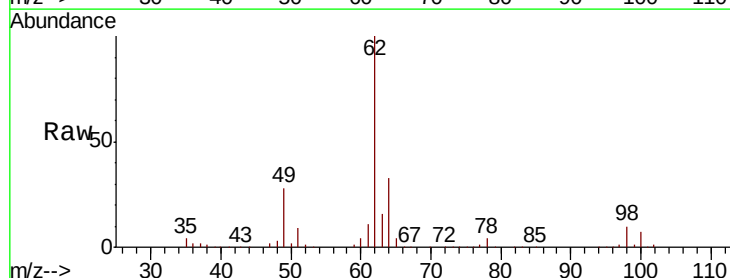


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

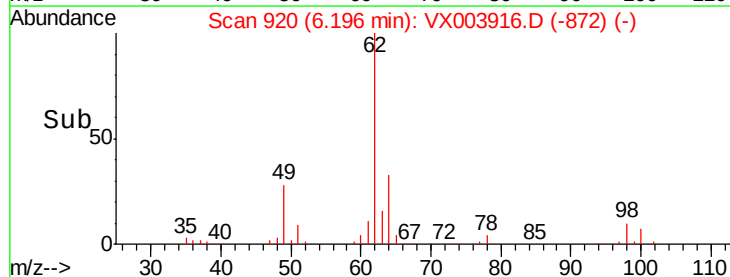
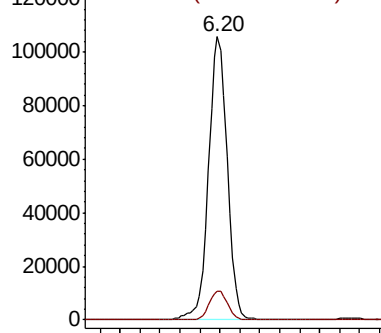


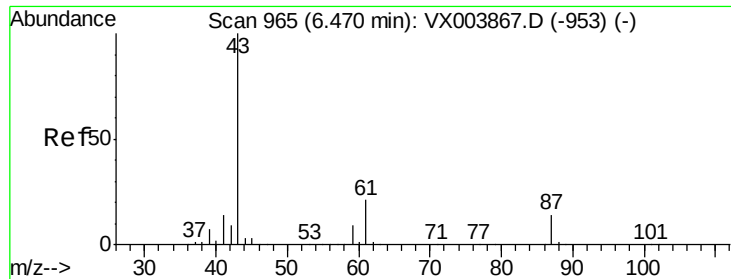
#42
1,2-Dichloroethane
Concen: 50.54 ug/l
RT: 6.20 min Scan# 920
Delta R.T. -0.01 min
Lab File: VX003916.D
Acq: 08 Aug 2018 11:32

Tgt Ion:	62	Resp:	275379
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.4



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





#43

Isopropyl Acetate

Concen: 50.53 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.01 min

Lab File: VX003916.D

Acq: 08 Aug 2018 11:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

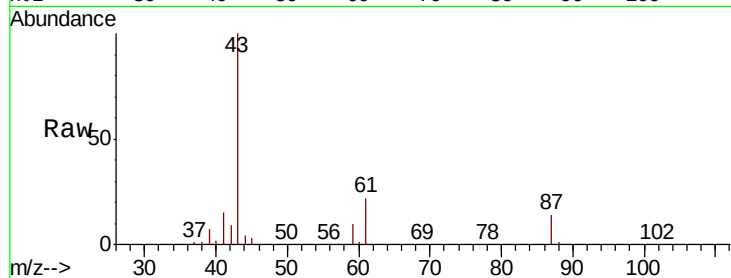
Tot Ion: 43 Resp: 448873

Ion Ratio Lower Upper

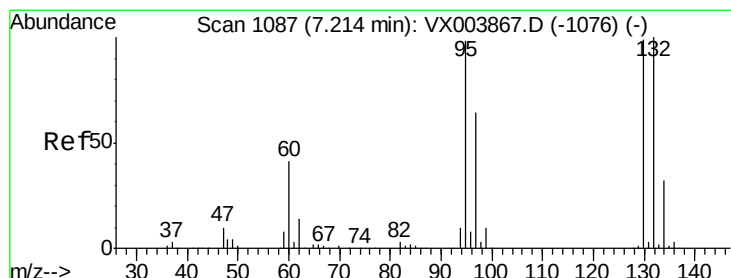
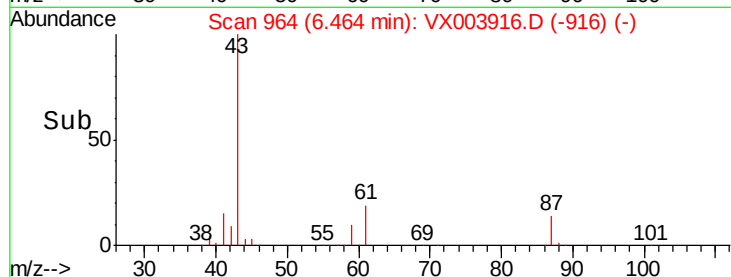
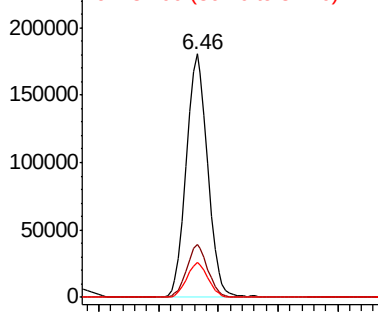
43 100

61 21.3 16.9 25.3

87 14.2 11.3 16.9



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



#44

Trichloroethene

Concen: 48.00 ug/l

RT: 7.21 min Scan# 1087

Delta R.T. 0.00 min

Lab File: VX003916.D

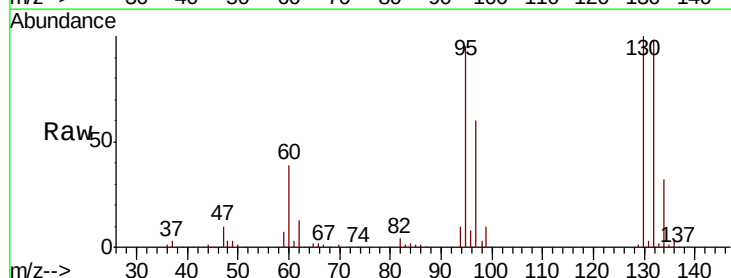
Acq: 08 Aug 2018 11:32

Tgt Ion:130 Resp: 211515

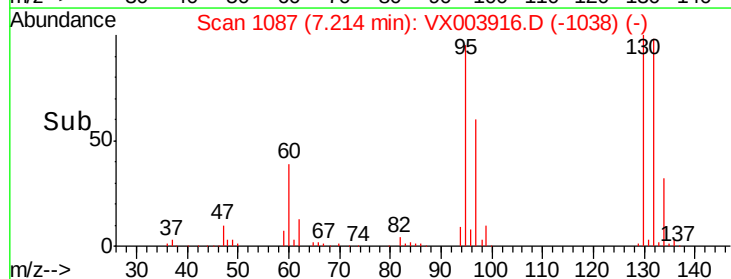
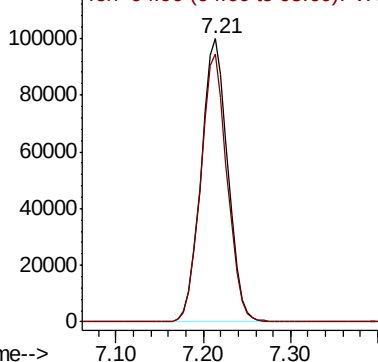
Ion Ratio Lower Upper

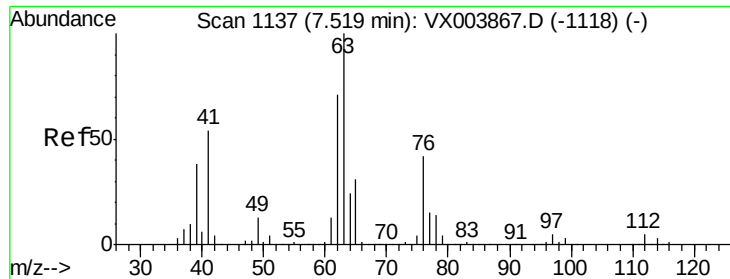
130 100

95 94.7 0.0 199.4



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

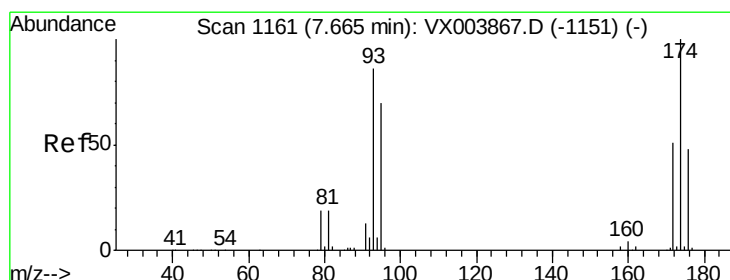
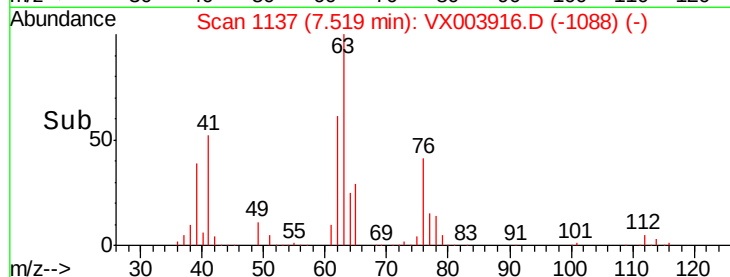
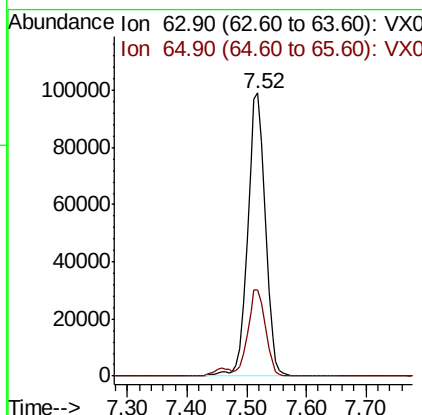
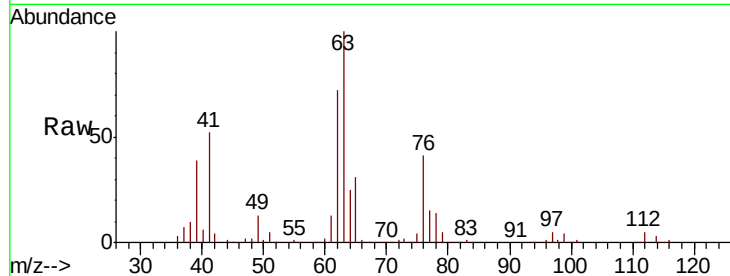




#45
 1,2-Dichloropropane
 Concen: 49.04 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX003916.D
 Acq: 08 Aug 2018 11:32

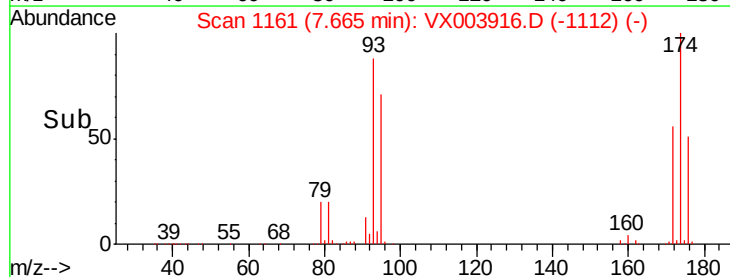
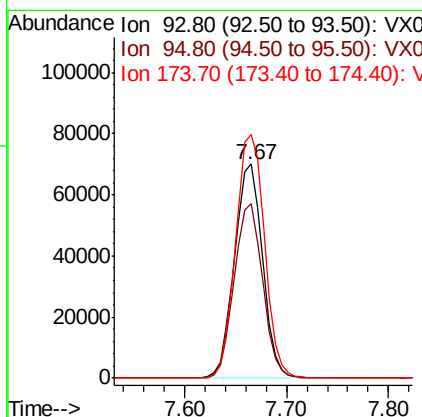
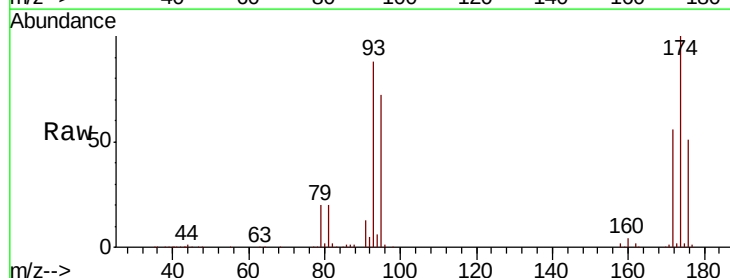
Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

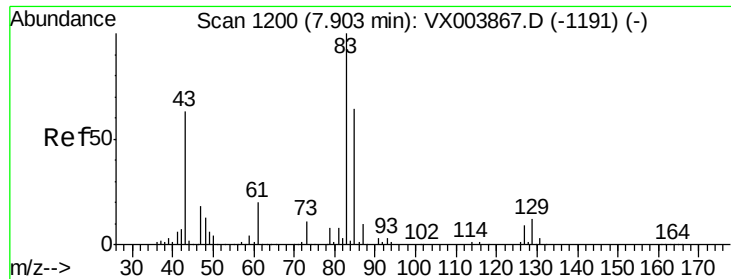
Tot Ion: 63 Resp: 204039
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.6 36.8



#46
 Dibromomethane
 Concen: 49.35 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX003916.D
 Acq: 08 Aug 2018 11:32

Tgt Ion: 93 Resp: 133324
 Ion Ratio Lower Upper
 93 100
 95 82.6 66.4 99.6
 174 117.8 94.3 141.5





#47

Bromodichloromethane

Concen: 50.70 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003916.D

Acq: 08 Aug 2018 11:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

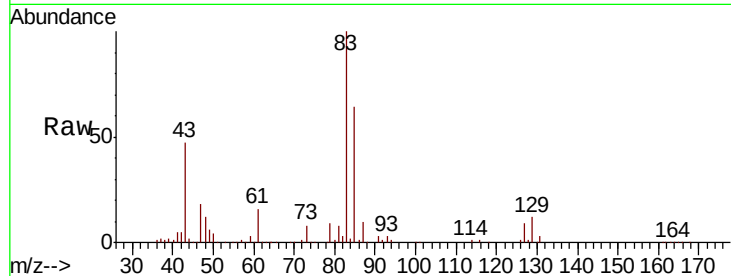
Tot Ion: 83 Resp: 258028

Ion Ratio Lower Upper

83 100

85 64.0 51.2 76.8

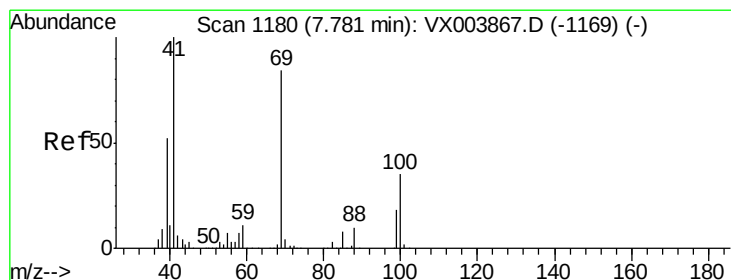
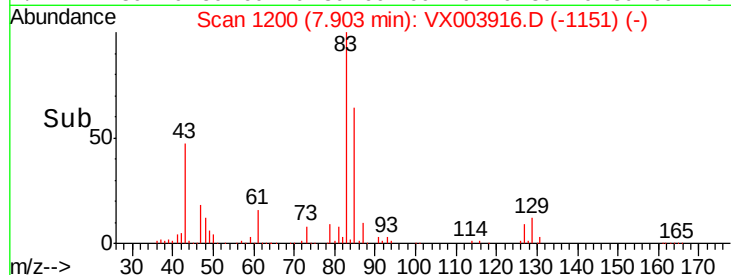
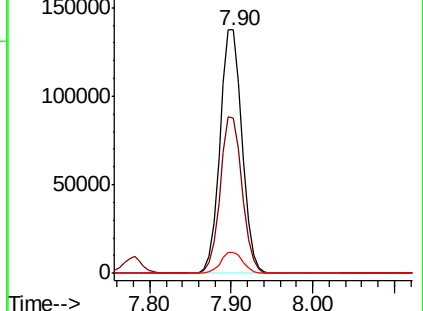
127 8.8 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 51.67 ug/l

RT: 7.77 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VX003916.D

Acq: 08 Aug 2018 11:32

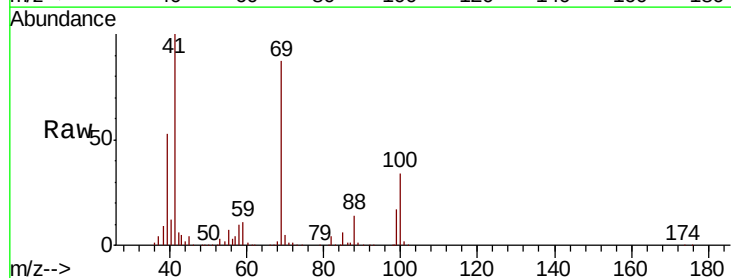
Tgt Ion: 41 Resp: 233297

Ion Ratio Lower Upper

41 100

69 88.6 68.8 103.2

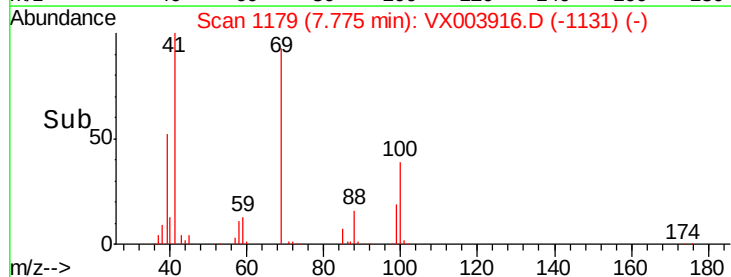
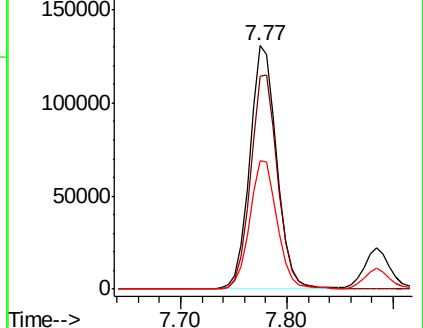
39 53.5 42.3 63.5

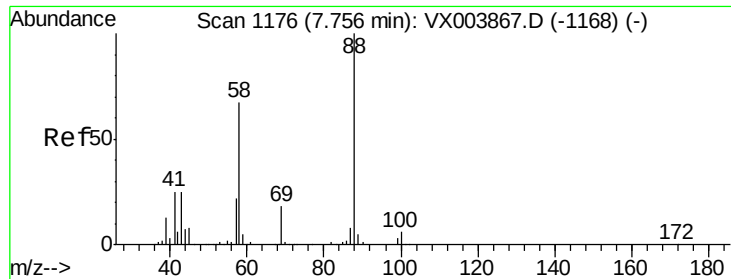


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

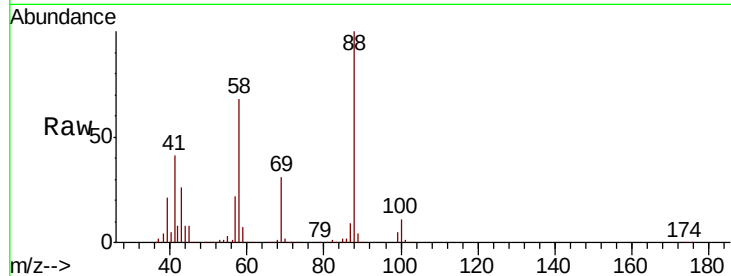




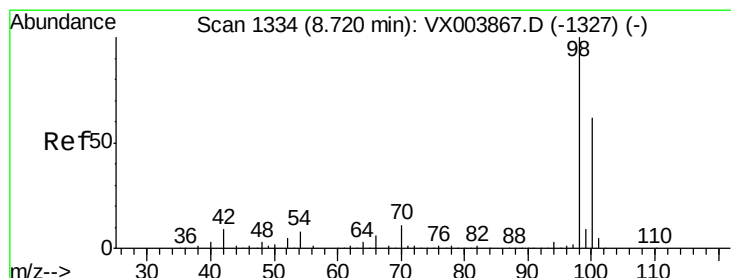
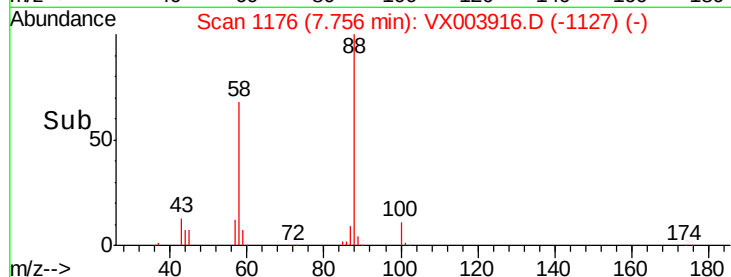
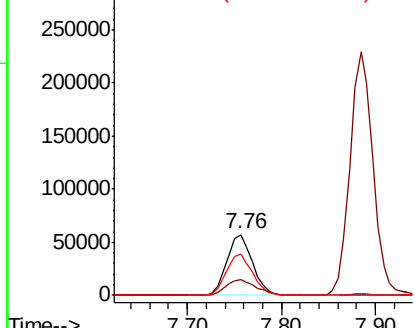
#49
1,4-Dioxane
Concen: 1017.64 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VX003916.D
Acq: 08 Aug 2018 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 108250
Ion Ratio Lower Upper
88 100
43 30.3 23.8 35.8
58 70.1 55.4 83.0

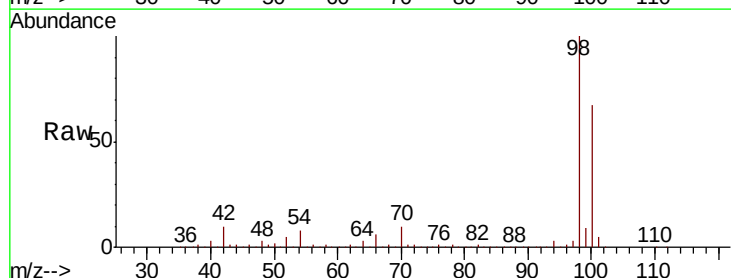


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

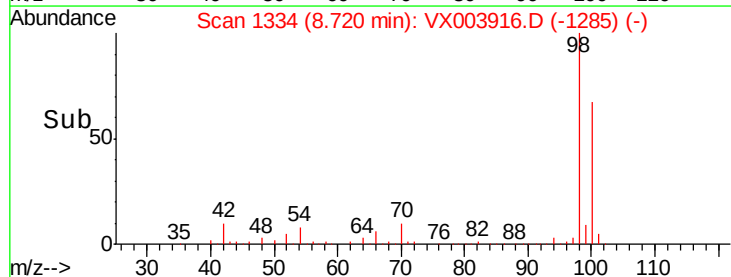
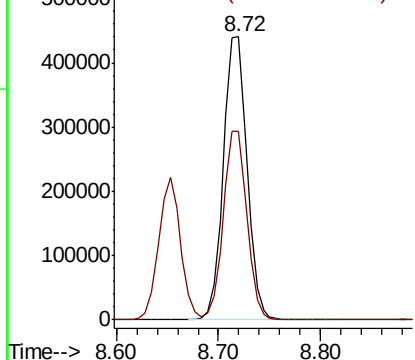


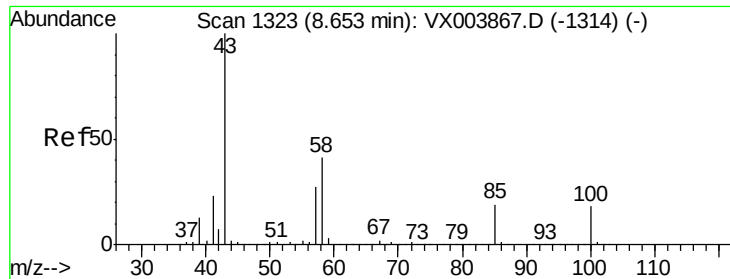
#50
Toluene-d8
Concen: 50.15 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003916.D
Acq: 08 Aug 2018 11:32

Tgt Ion: 98 Resp: 707867
Ion Ratio Lower Upper
98 100
100 66.9 53.3 79.9



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

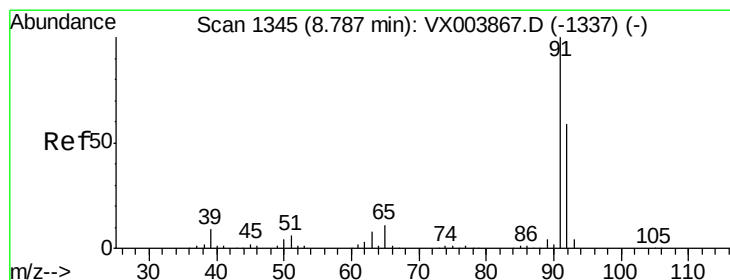
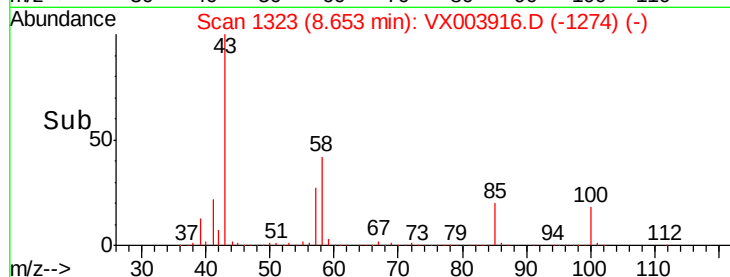
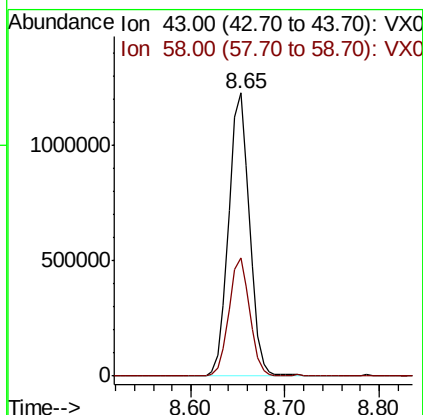
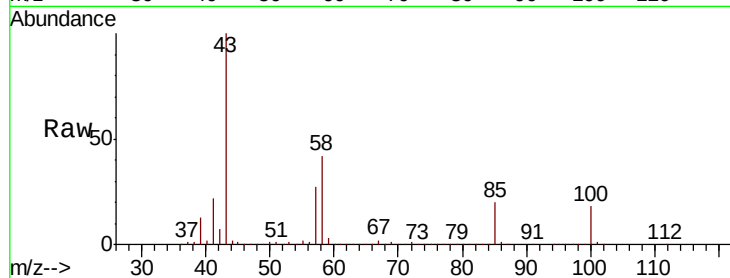




#51
4-Methyl-2-Pentanone
Concen: 256.05 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. 0.00 min
Lab File: VX003916.D
Acq: 08 Aug 2018 11:32

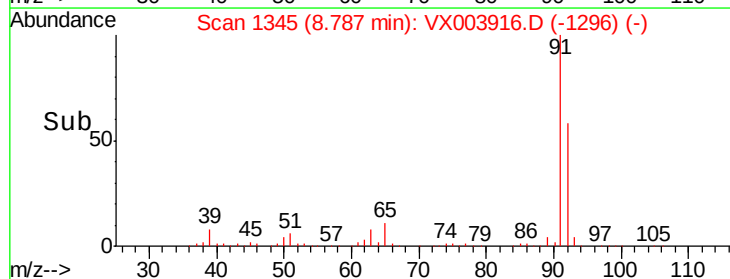
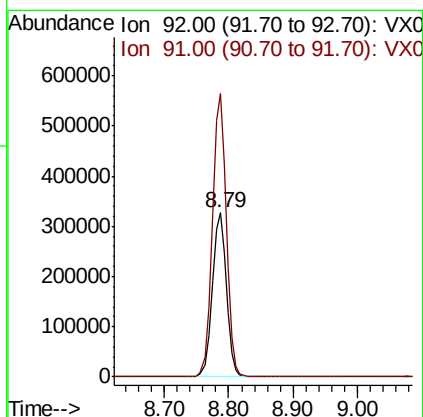
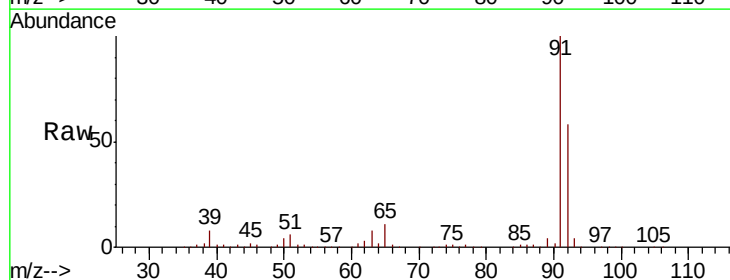
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

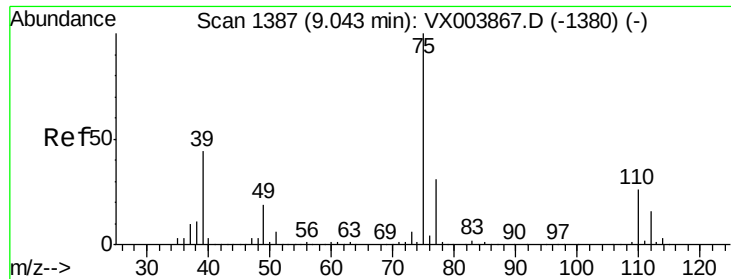
Tot Ion: 43 Resp: 1885355
Ion Ratio Lower Upper
43 100
58 41.5 33.0 49.6



#52
Toluene
Concen: 49.43 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. 0.00 min
Lab File: VX003916.D
Acq: 08 Aug 2018 11:32

Tgt Ion: 92 Resp: 503277
Ion Ratio Lower Upper
92 100
91 171.1 136.1 204.1

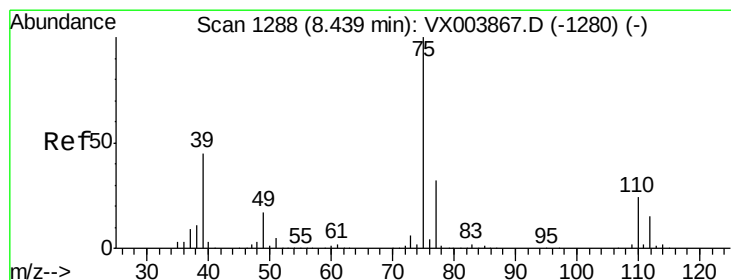
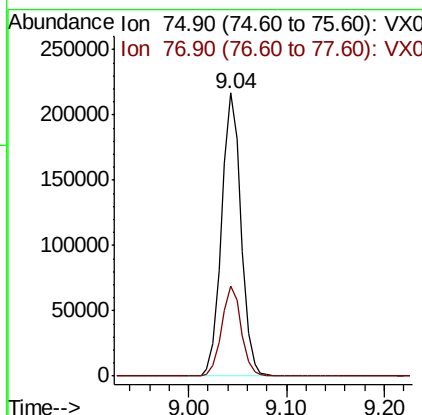
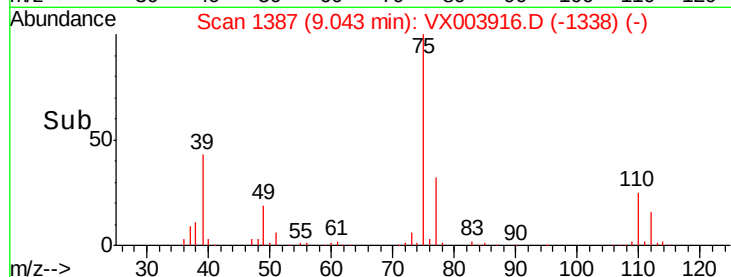
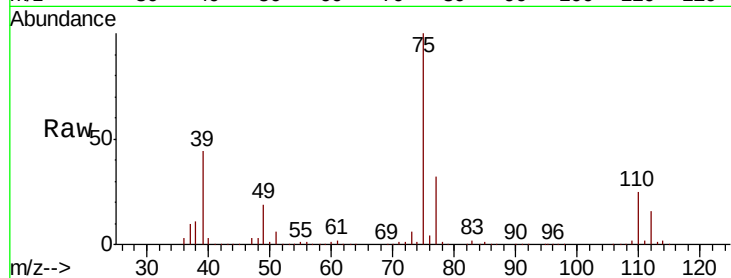




#53
 t-1,3-Dichloropropene
 Concen: 52.11 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. 0.00 min
 Lab File: VX003916.D
 Acq: 08 Aug 2018 11:32

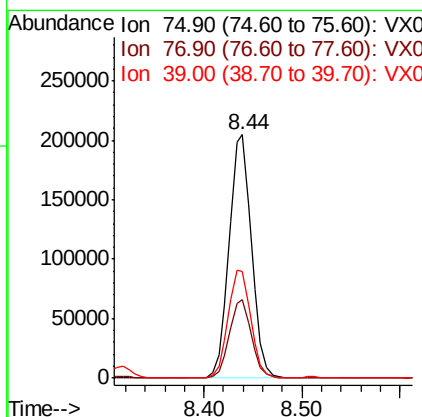
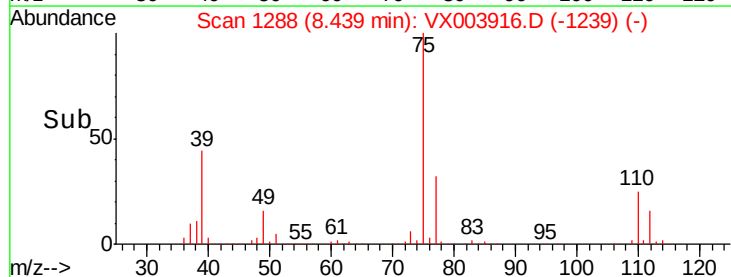
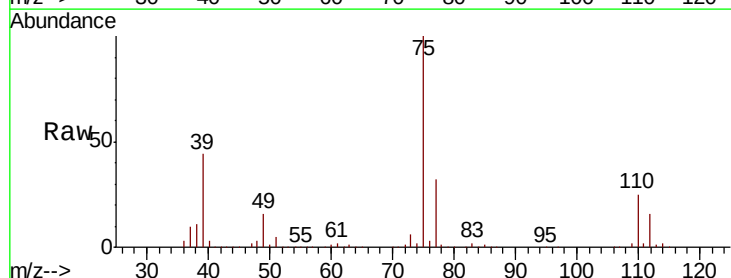
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

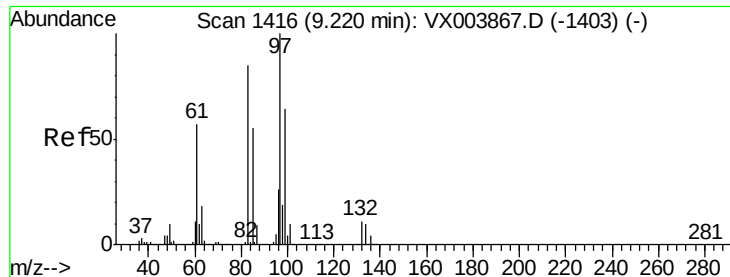
Tot Ion: 75 Resp: 299773
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.1 37.7



#54
 cis-1,3-Dichloropropene
 Concen: 52.21 ug/l
 RT: 8.44 min Scan# 1288
 Delta R.T. 0.00 min
 Lab File: VX003916.D
 Acq: 08 Aug 2018 11:32

Tgt Ion: 75 Resp: 323861
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.3 37.9
 39 43.9 36.2 54.2

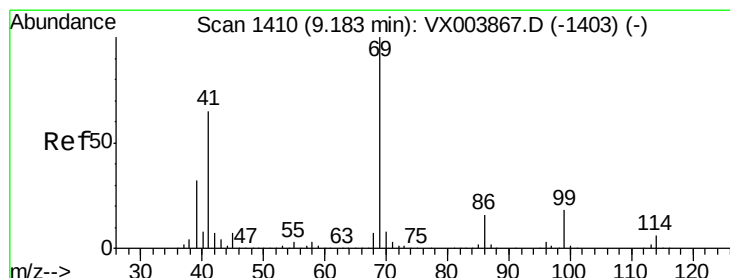
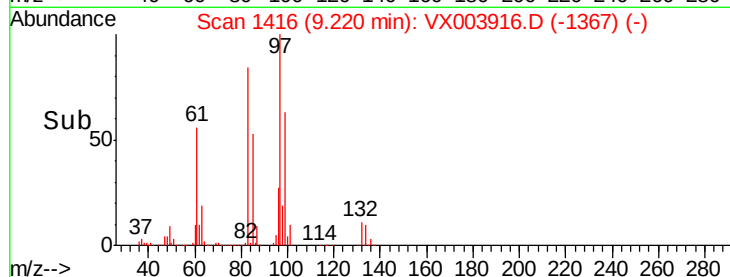
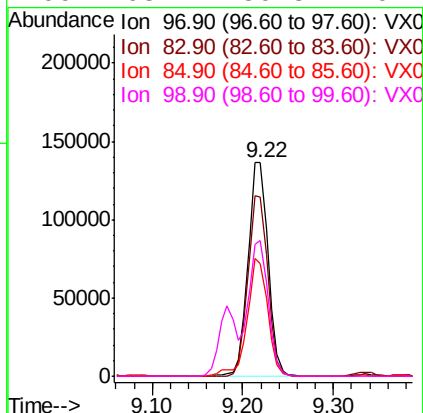
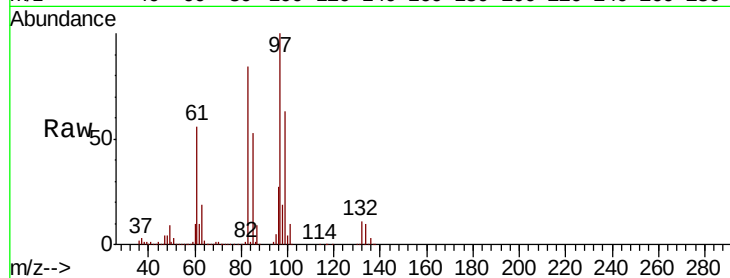




#55
 1,1,2-Trichloroethane
 Concen: 50.26 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003916.D
 Acq: 08 Aug 2018 11:32

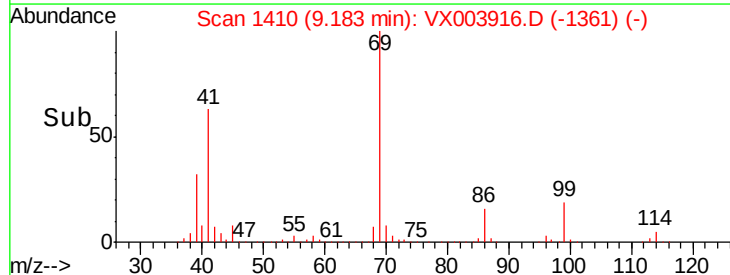
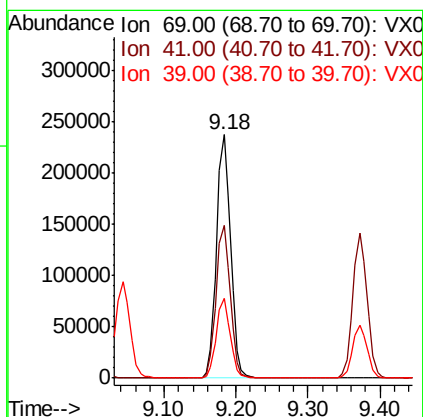
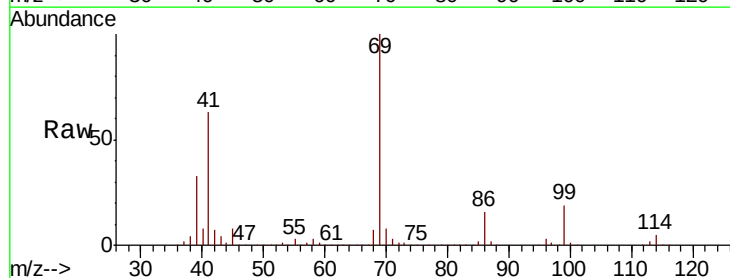
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

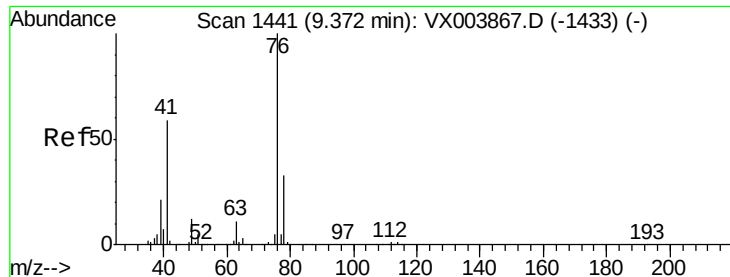
Tot Ion:	97	Resp:	209114
Ion	Ratio	Lower	Upper
97	100		
83	83.8	67.8	101.6
85	52.9	44.2	66.2
99	63.4	50.8	76.2



#56
 Ethyl methacrylate
 Concen: 53.23 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX003916.D
 Acq: 08 Aug 2018 11:32

Tgt Ion:	69	Resp:	321309
Ion	Ratio	Lower	Upper
69	100		
41	63.0	50.6	76.0
39	32.2	25.8	38.6

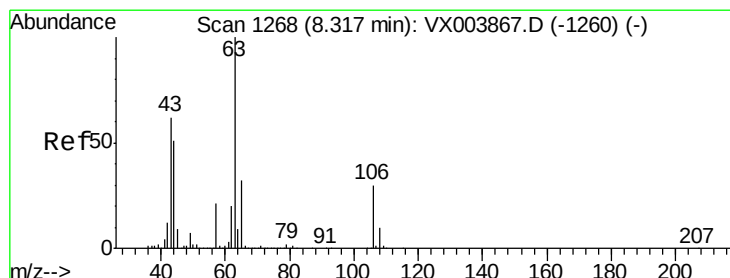
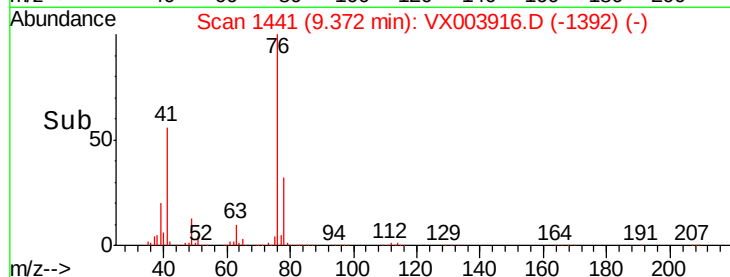
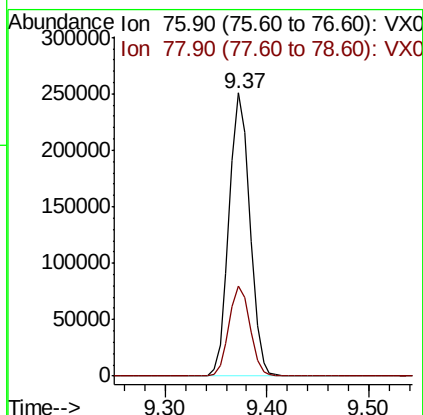
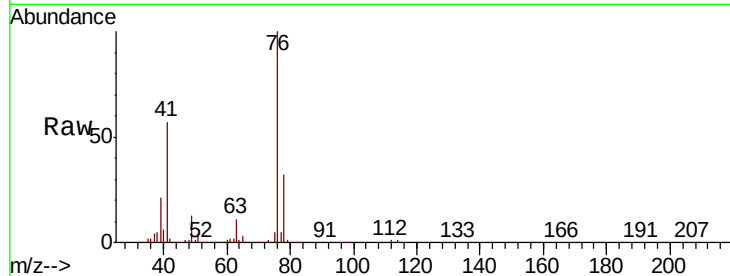




#57
 1,3-Dichloropropane
 Concen: 50.62 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VX003916.D
 Acq: 08 Aug 2018 11:32

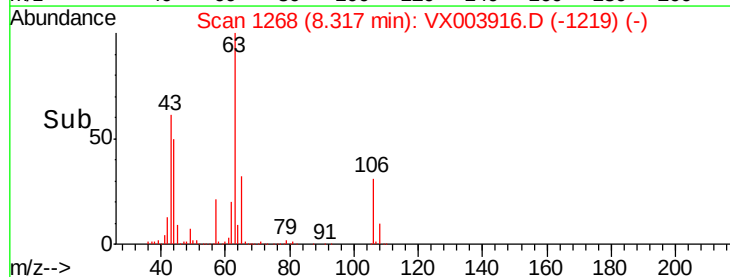
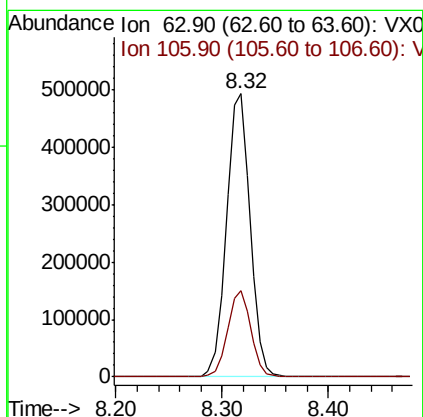
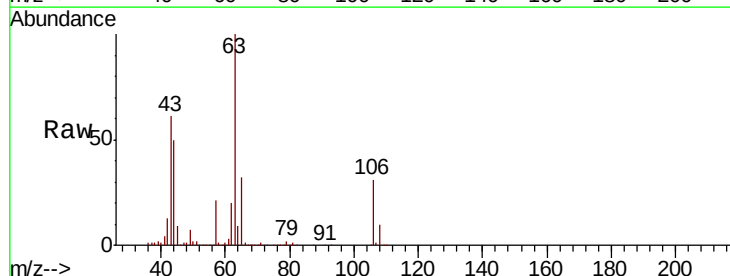
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

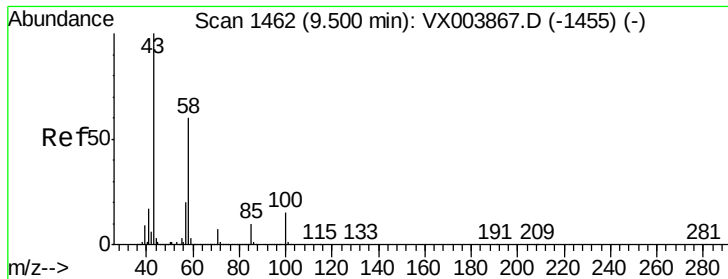
Tot Ion: 76 Resp: 352496
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 257.84 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VX003916.D
 Acq: 08 Aug 2018 11:32

Tgt Ion: 63 Resp: 765349
 Ion Ratio Lower Upper
 63 100
 106 30.0 23.8 35.8

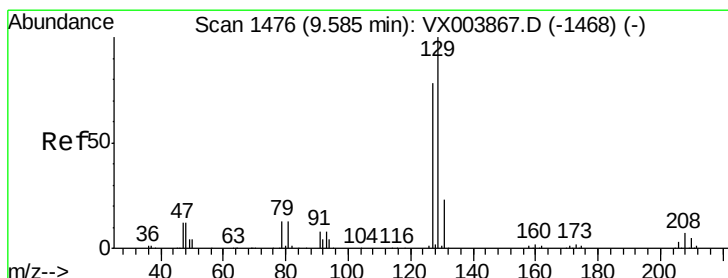
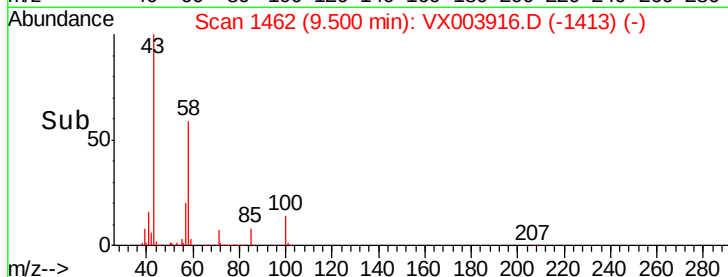
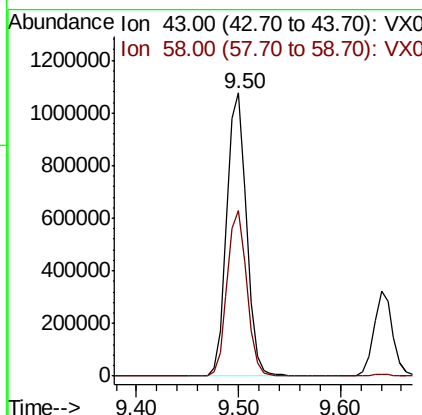
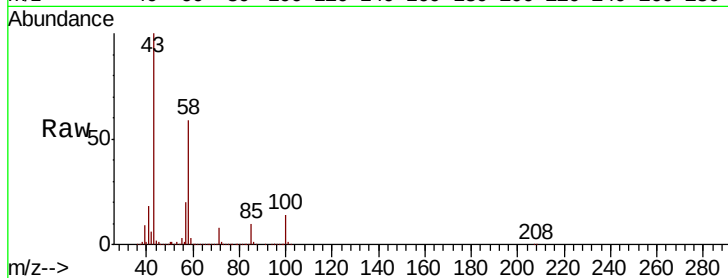




#59
2-Hexanone
Concen: 261.02 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003916.D
Acq: 08 Aug 2018 11:32

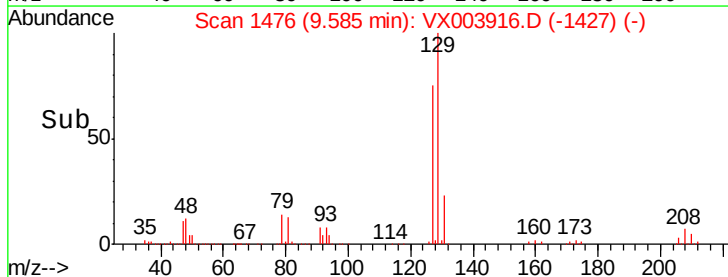
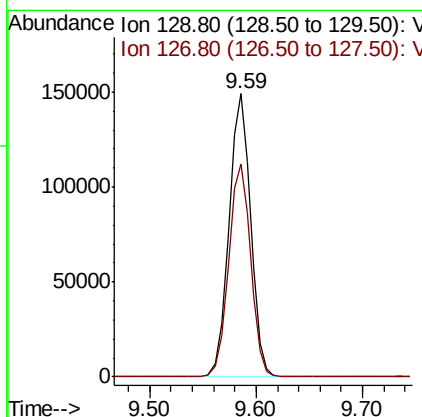
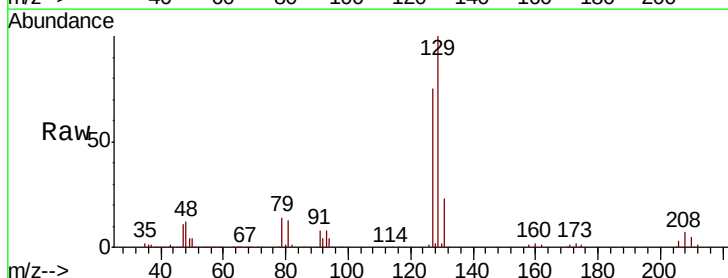
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

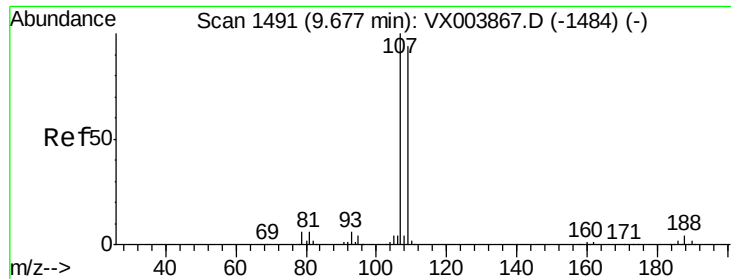
Tot Ion: 43 Resp: 1436630
Ion Ratio Lower Upper
43 100
58 58.4 29.0 87.0



#60
Dibromochloromethane
Concen: 54.72 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003916.D
Acq: 08 Aug 2018 11:32

Tgt Ion: 129 Resp: 212275
Ion Ratio Lower Upper
129 100
127 76.3 38.8 116.3





#61

1,2-Dibromoethane

Concen: 52.72 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003916.D

Acq: 08 Aug 2018 11:32

Instrument :

MSVOA_X

ClientSampleId :

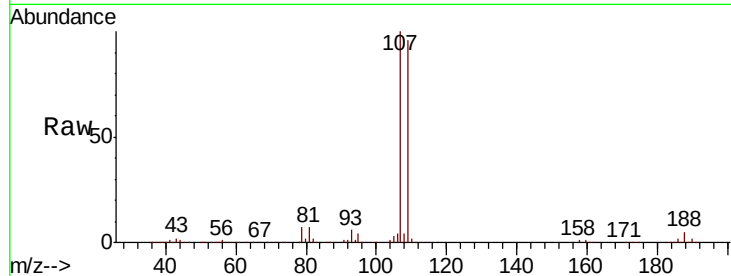
VSTDCCC050

Tot Ion:107 Resp: 219616

Ion Ratio Lower Upper

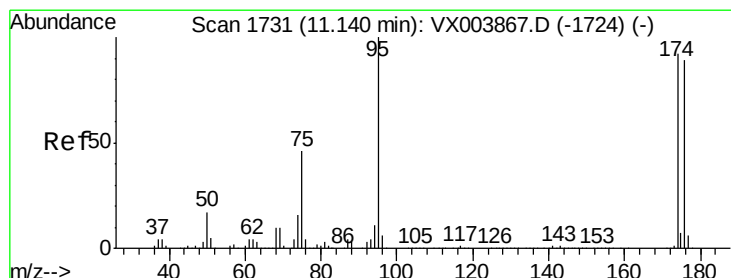
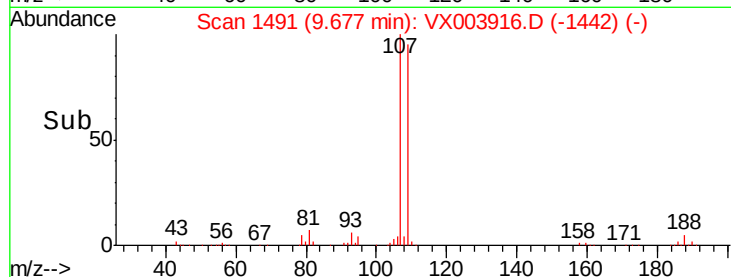
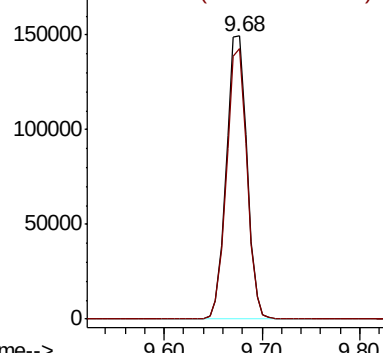
107 100

109 95.0 75.8 113.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 55.33 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003916.D

Acq: 08 Aug 2018 11:32

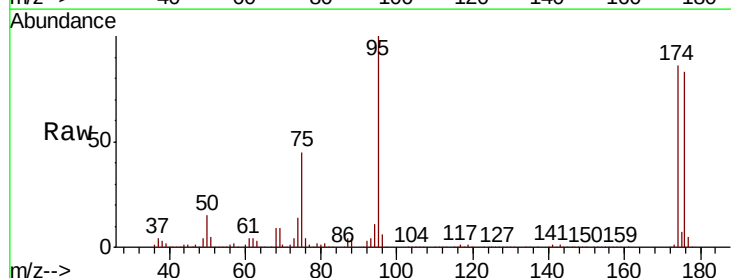
Tgt Ion: 95 Resp: 252718

Ion Ratio Lower Upper

95 100

174 89.6 0.0 182.8

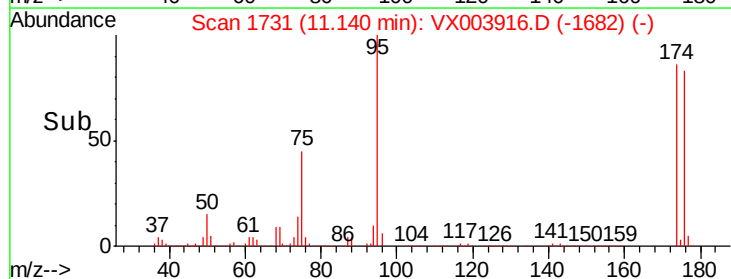
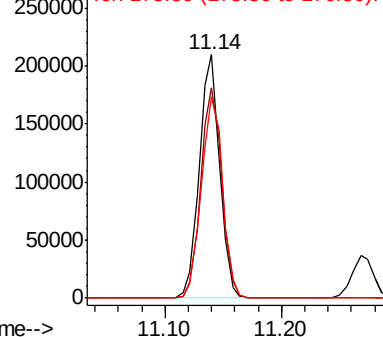
176 86.9 0.0 179.0

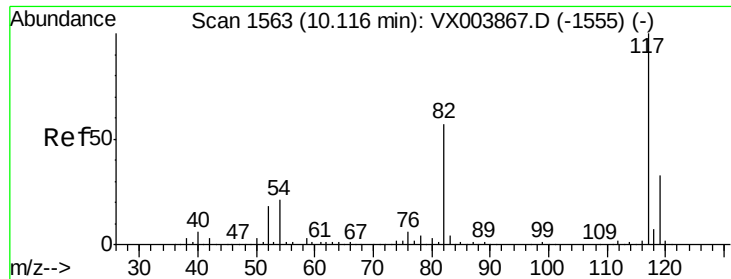


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

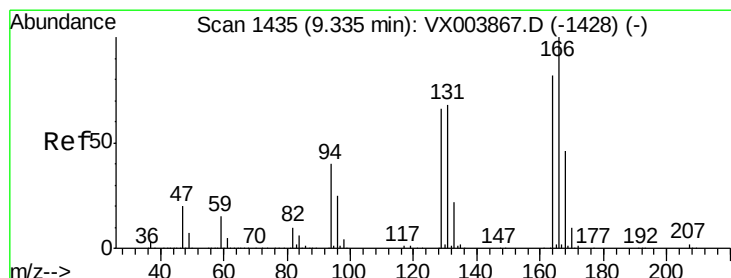
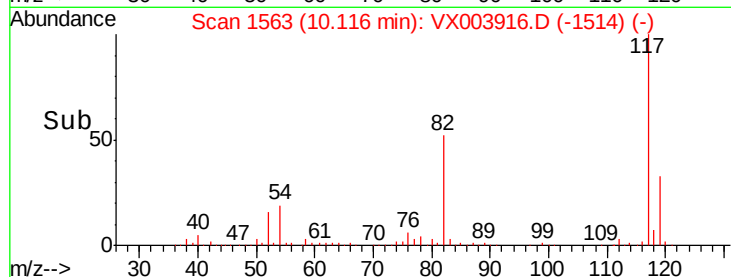
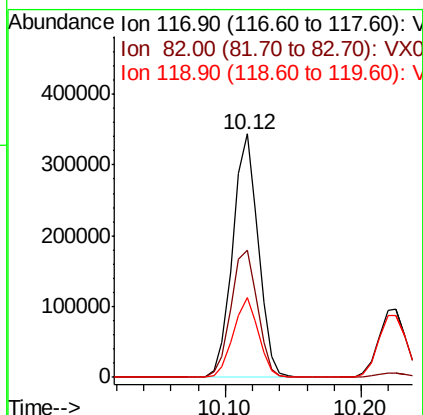
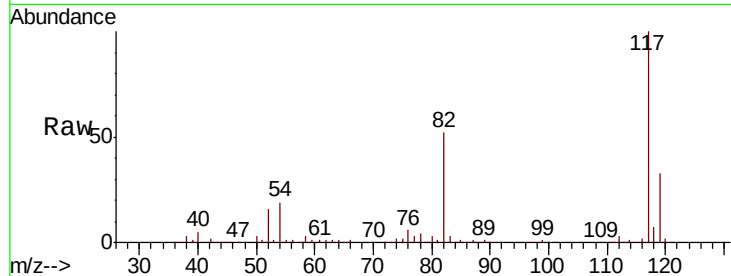




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003916.D
Acq: 08 Aug 2018 11:32

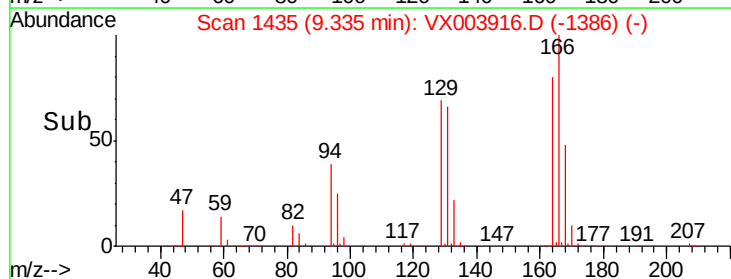
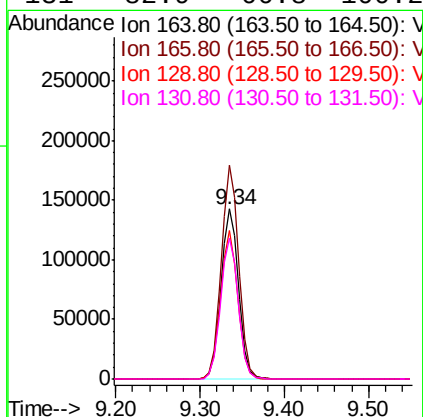
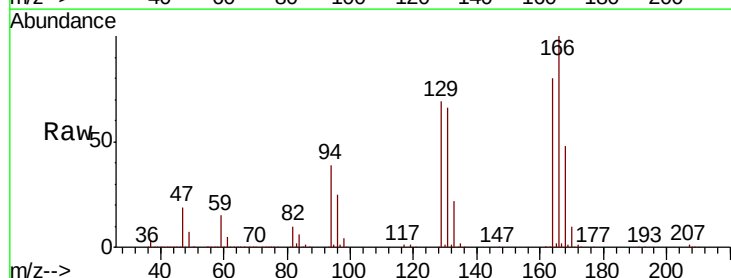
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

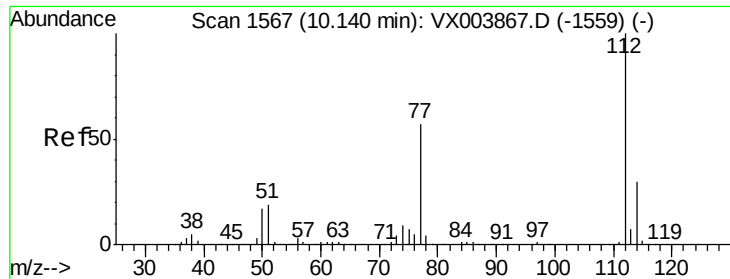
Tot Ion:117 Resp: 448343
Ion Ratio Lower Upper
117 100
82 52.4 45.4 68.0
119 32.5 26.6 40.0



#64
Tetrachloroethene
Concen: 46.62 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VX003916.D
Acq: 08 Aug 2018 11:32

Tgt Ion:164 Resp: 205623
Ion Ratio Lower Upper
164 100
166 125.8 98.0 147.0
129 87.3 64.3 96.5
131 82.9 66.8 100.2

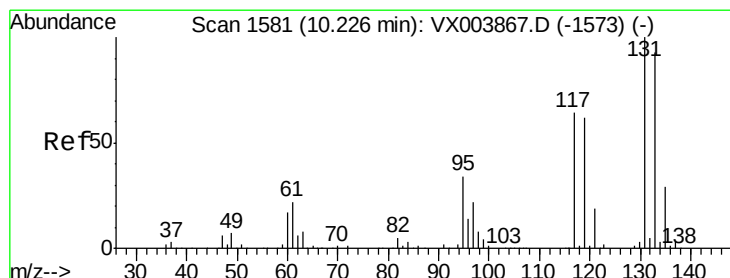
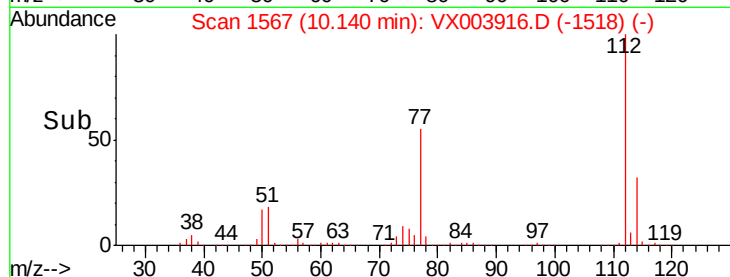
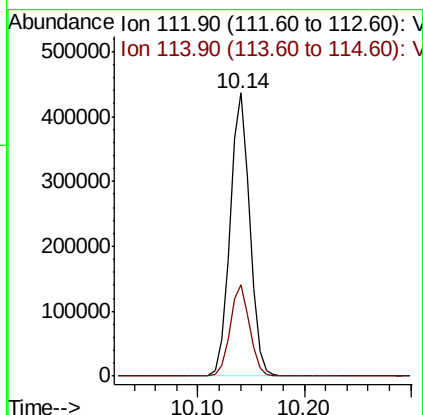
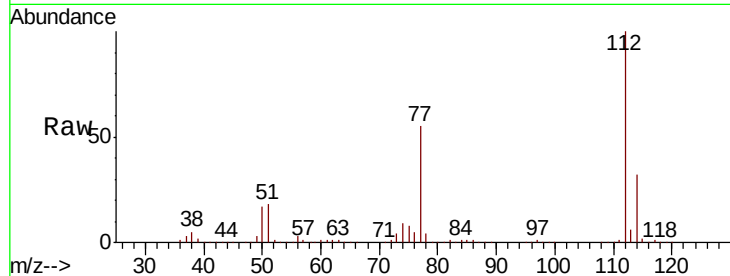




#65
Chlorobenzene
Concen: 48.50 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX003916.D
Acq: 08 Aug 2018 11:32

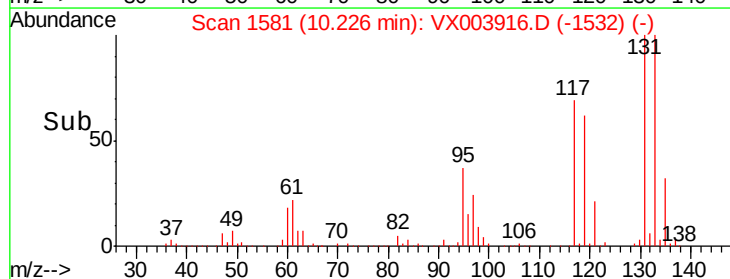
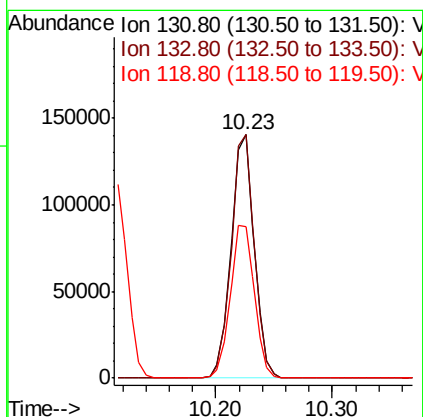
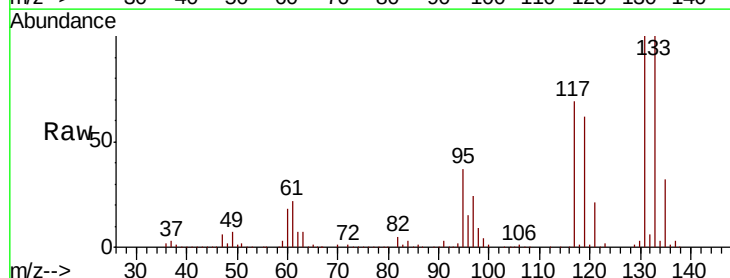
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

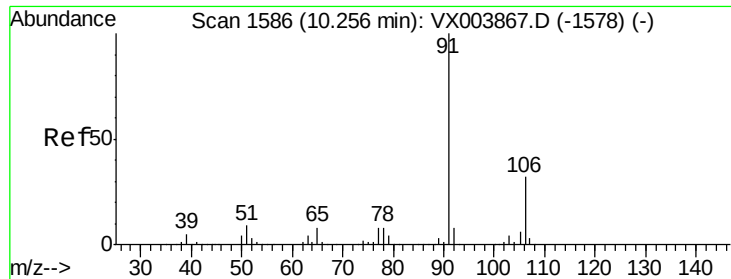
Tot Ion:112 Resp: 565814
Ion Ratio Lower Upper
112 100
114 32.3 23.6 35.4



#66
1,1,1,2-Tetrachloroethane
Concen: 48.44 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX003916.D
Acq: 08 Aug 2018 11:32

Tgt Ion:131 Resp: 194274
Ion Ratio Lower Upper
131 100
133 99.5 47.3 141.8
119 65.6 31.6 94.8





#67

Ethyl Benzene

Concen: 50.04 ug/l

RT: 10.25 min Scan# 1585

Delta R.T. -0.01 min

Lab File: VX003916.D

Acq: 08 Aug 2018 11:32

Instrument :

MSVOA_X

ClientSampleId :

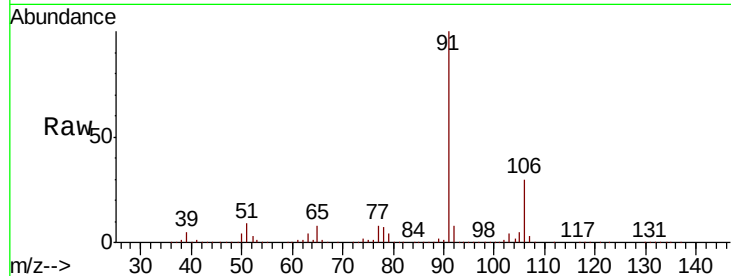
VSTDCCC050

Tot Ion: 91 Resp: 955673

Ion Ratio Lower Upper

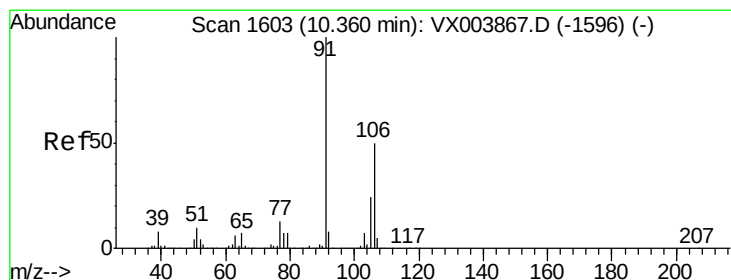
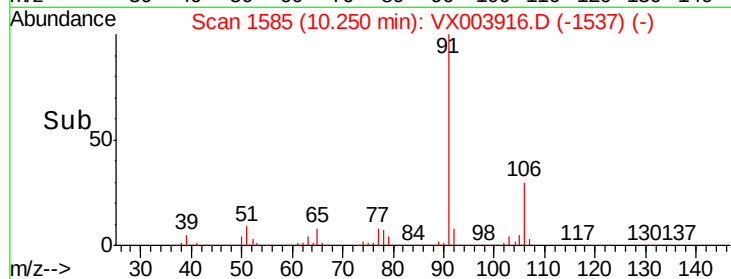
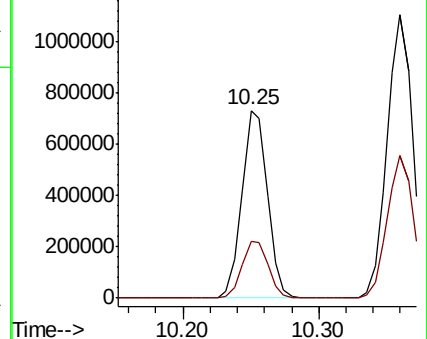
91 100

106 30.3 25.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 99.94 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VX003916.D

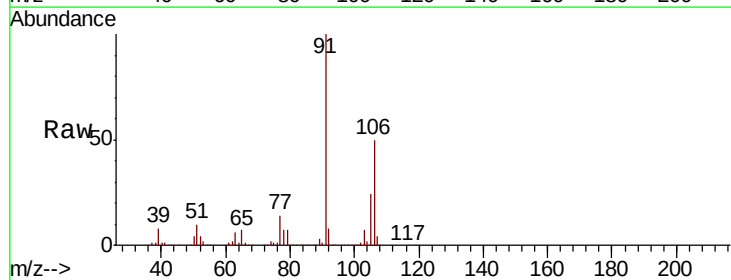
Acq: 08 Aug 2018 11:32

Tgt Ion:106 Resp: 745774

Ion Ratio Lower Upper

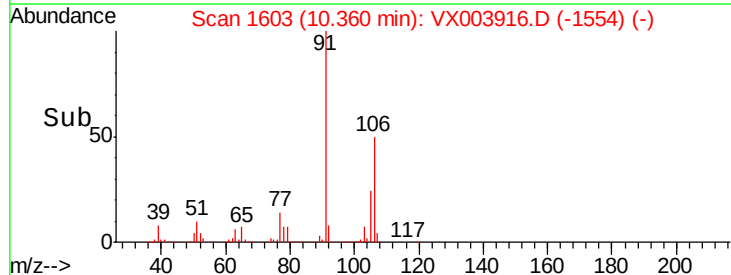
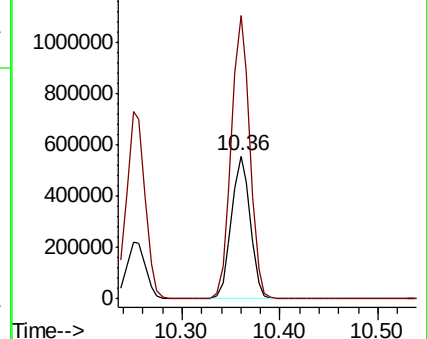
106 100

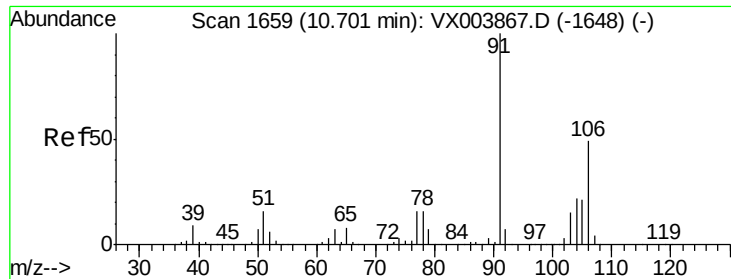
91 195.6 162.3 243.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

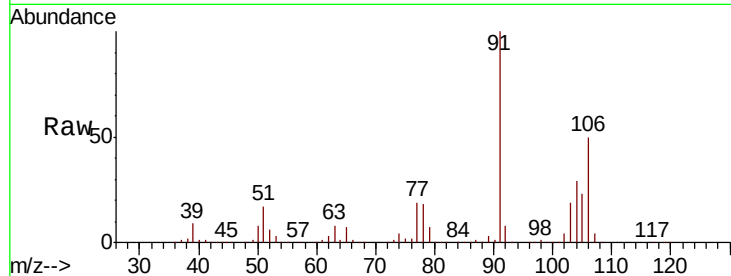




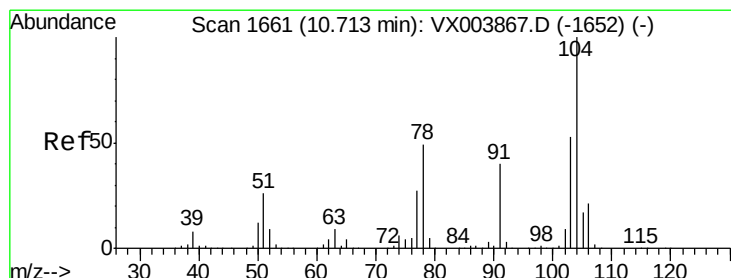
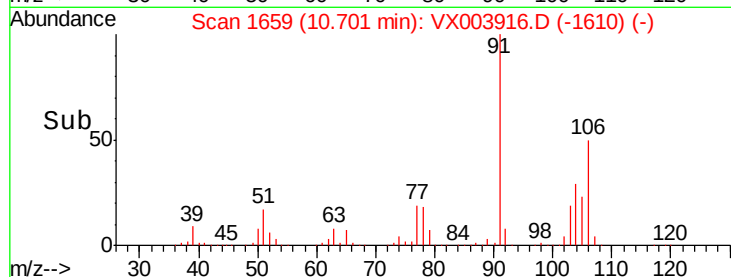
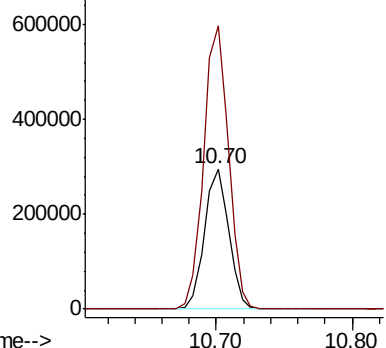
#69
o-Xylene
Concen: 52.29 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003916.D
Acq: 08 Aug 2018 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 368325
Ion Ratio Lower Upper
106 100
91 205.6 101.9 305.7

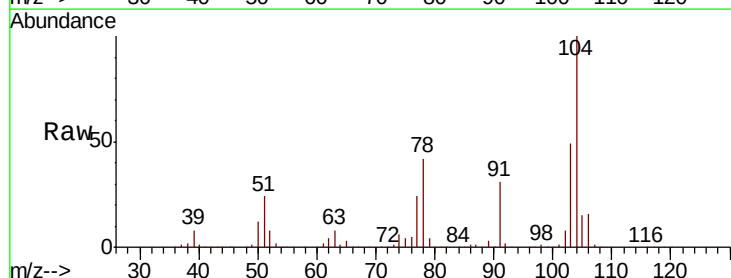


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

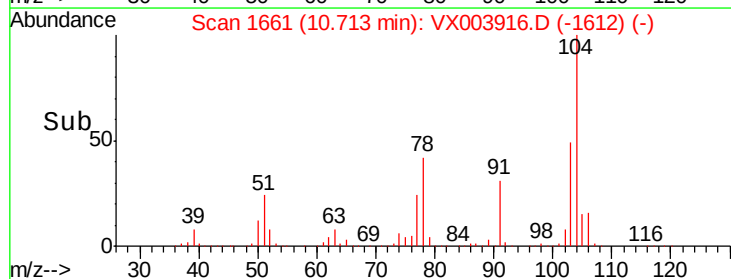
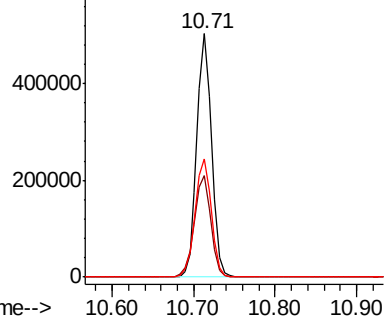


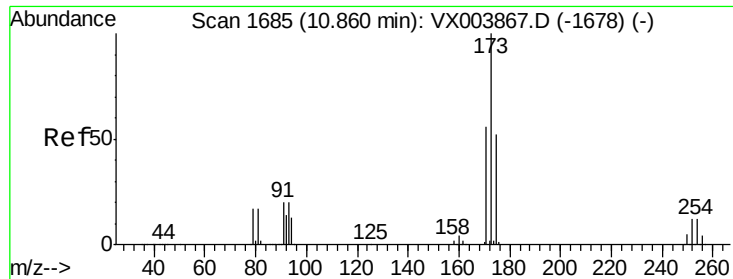
#70
Styrene
Concen: 54.60 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003916.D
Acq: 08 Aug 2018 11:32

Tgt Ion:104 Resp: 629713
Ion Ratio Lower Upper
104 100
78 46.7 39.8 59.6
103 53.6 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: 48.29 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX003916.D

Acq: 08 Aug 2018 11:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

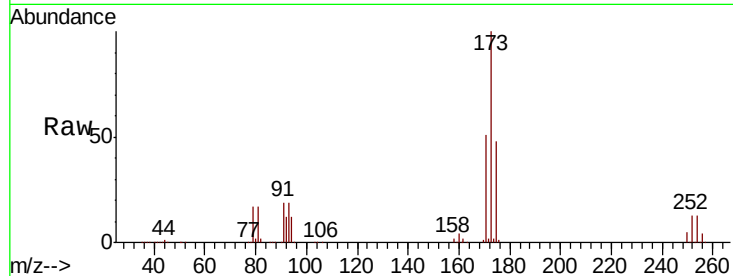
Tot Ion:173 Resp: 163840

Ion Ratio Lower Upper

173 100

175 48.9 24.9 74.7

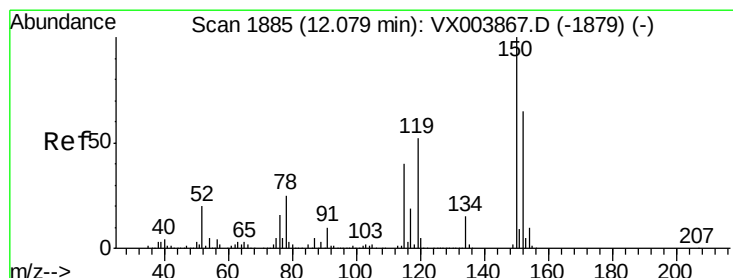
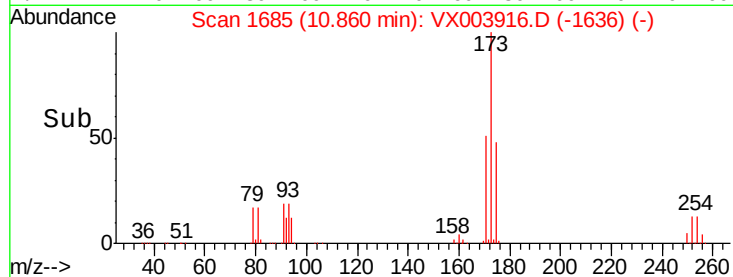
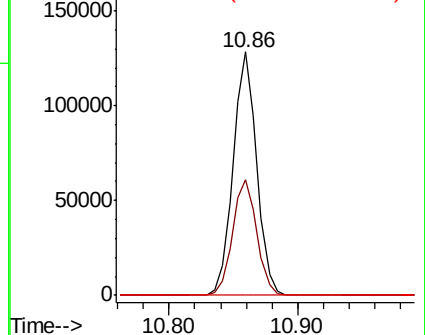
254 0.2 0.2 0.2



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: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003916.D

Acq: 08 Aug 2018 11:32

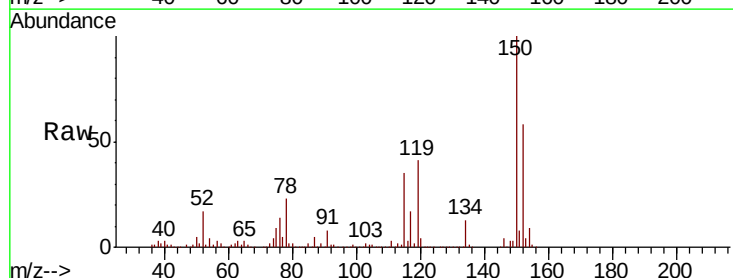
Tgt Ion:152 Resp: 262300

Ion Ratio Lower Upper

152 100

115 75.9 39.1 117.3

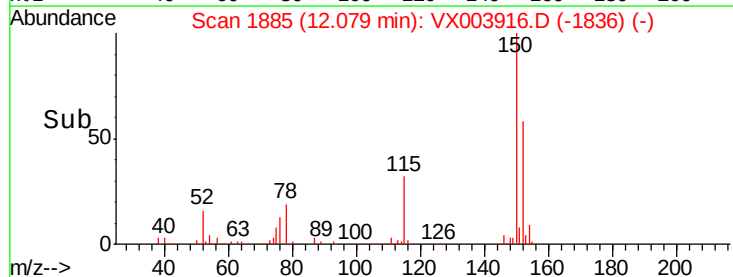
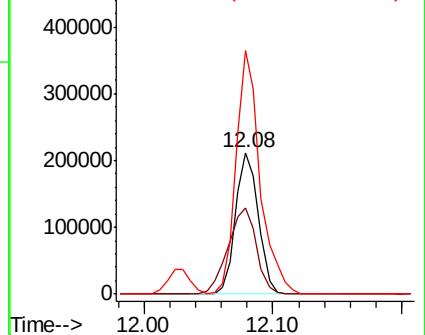
150 181.0 0.0 349.2

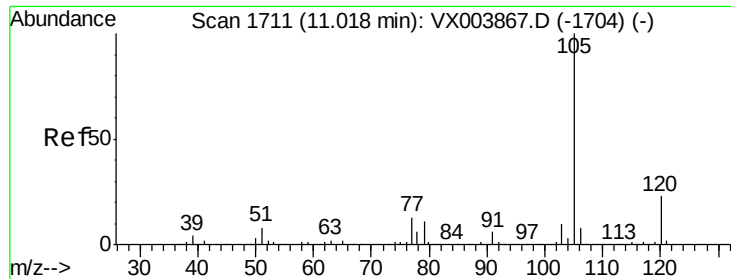


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.46 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. 0.00 min

Lab File: VX003916.D

Acq: 08 Aug 2018 11:32

Instrument :

MSVOA_X

ClientSampleId :

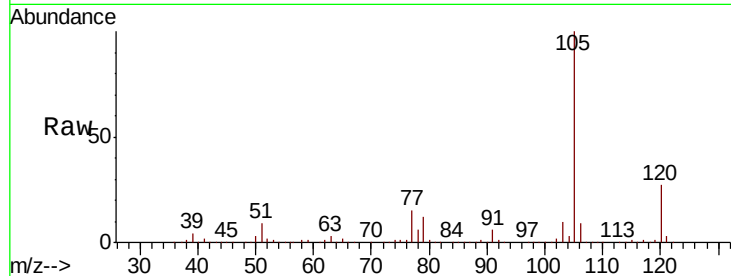
VSTDCCC050

Tot Ion:105 Resp: 979123

Ion Ratio Lower Upper

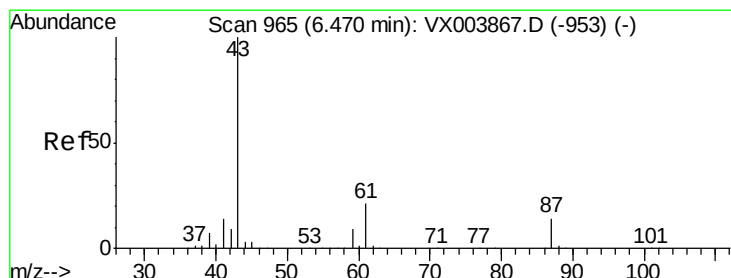
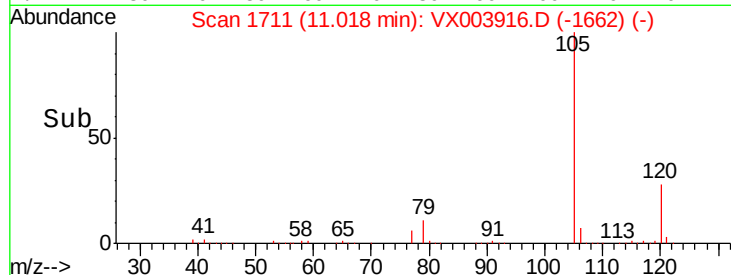
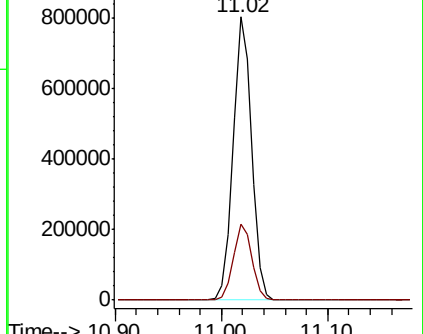
105 100

120 26.8 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 44.48 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.01 min

Lab File: VX003916.D

Acq: 08 Aug 2018 11:32

Tgt Ion: 43 Resp: 448873

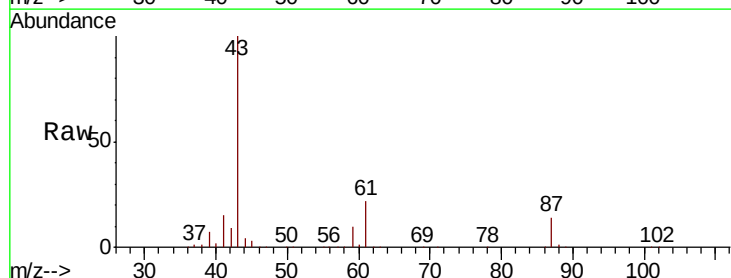
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.1 0.1 0.1

61 21.3 16.9 25.3

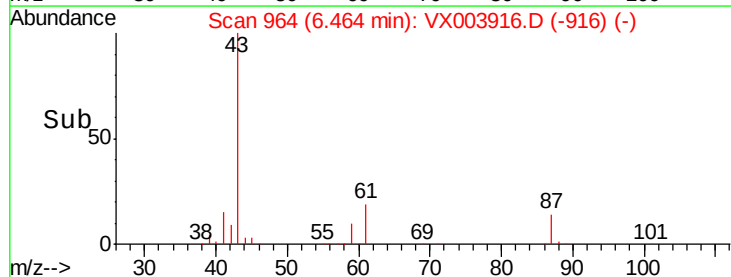
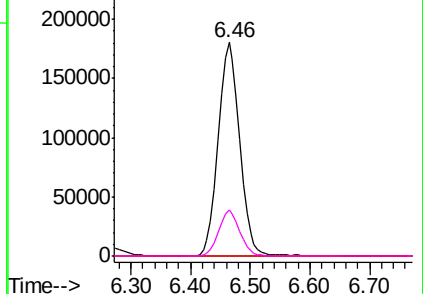


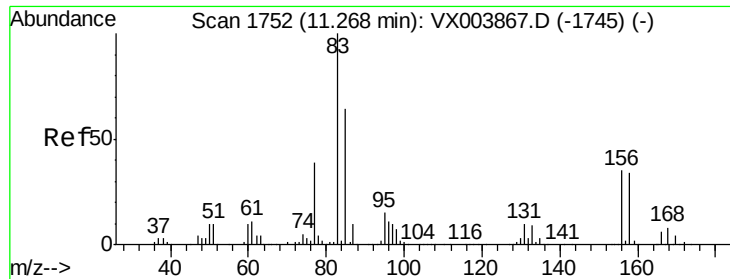
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 45.22 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. 0.00 min

Lab File: VX003916.D

Acq: 08 Aug 2018 11:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

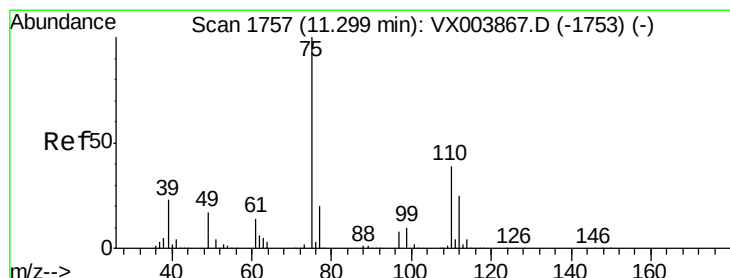
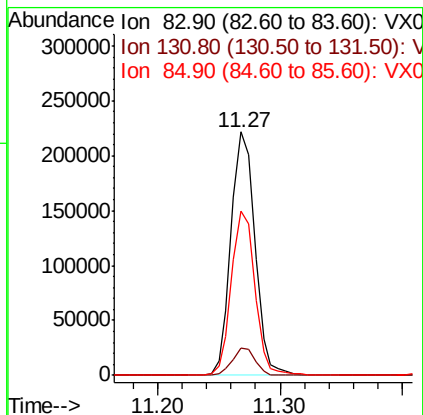
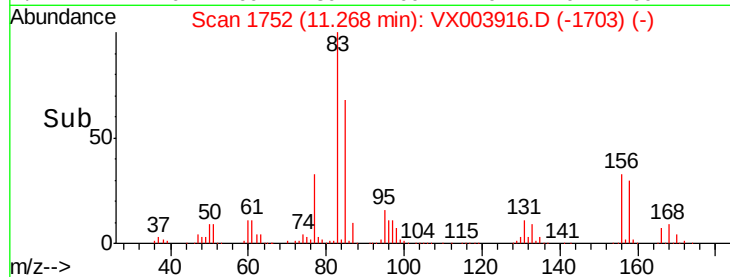
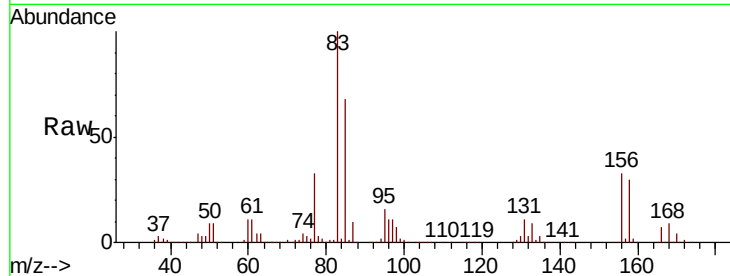
Tot Ion: 83 Resp: 300764

Ion Ratio Lower Upper

83 100

131 10.7 5.2 15.6

85 66.1 32.2 96.6



#76

1,2,3-Trichloropropane

Concen: 60.02 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VX003916.D

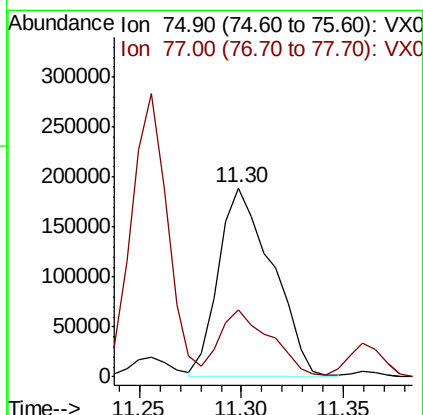
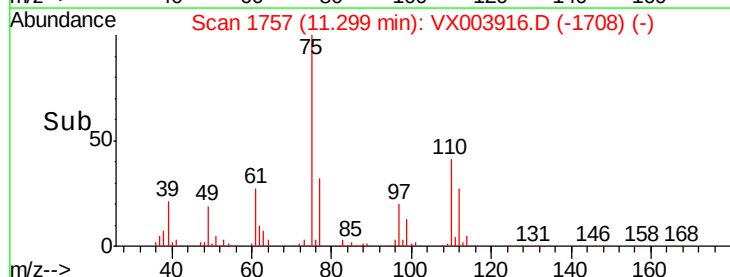
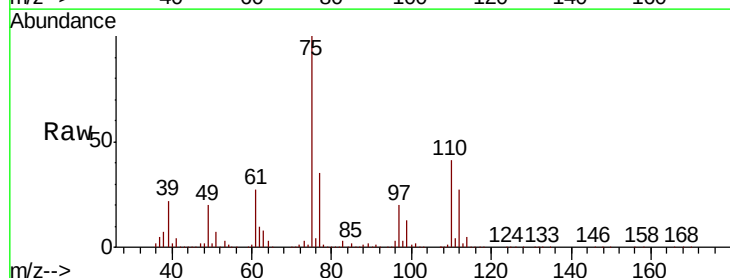
Acq: 08 Aug 2018 11:32

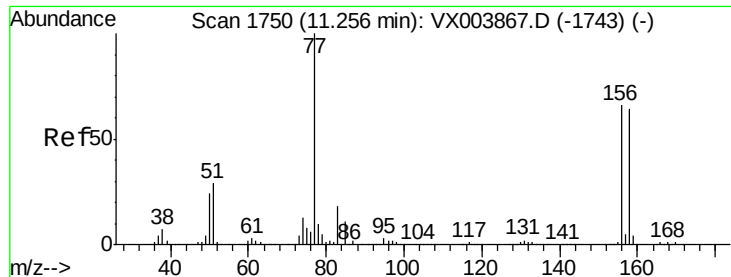
Tgt Ion: 75 Resp: 347739

Ion Ratio Lower Upper

75 100

77 33.6 20.8 62.5





#77

Bromobenzene

Concen: 48.49 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003916.D

Acq: 08 Aug 2018 11:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

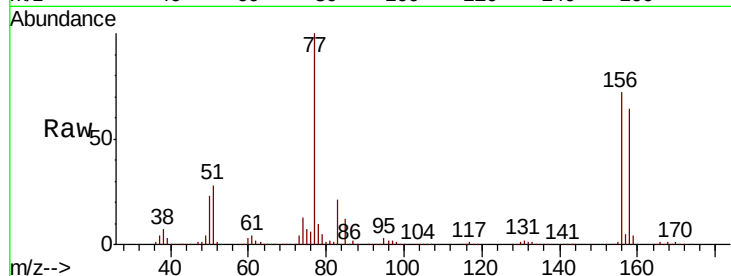
Tot Ion:156 Resp: 250978

Ion Ratio Lower Upper

156 100

77 139.1 74.1 222.2

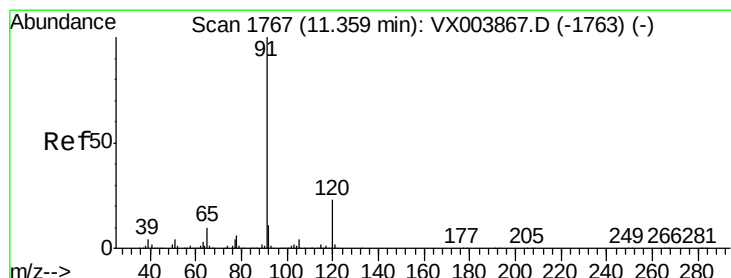
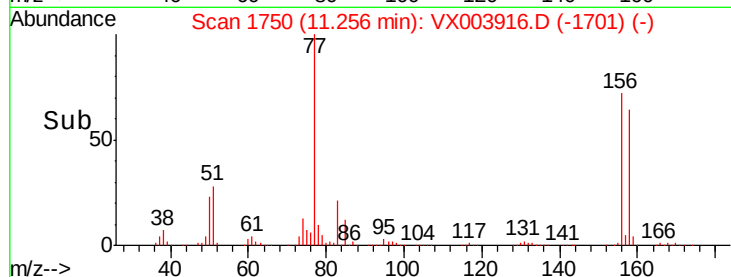
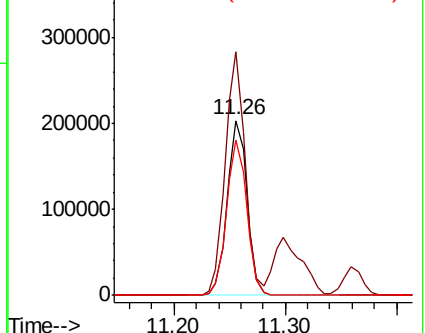
158 90.2 48.6 145.9



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: 47.81 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. 0.00 min

Lab File: VX003916.D

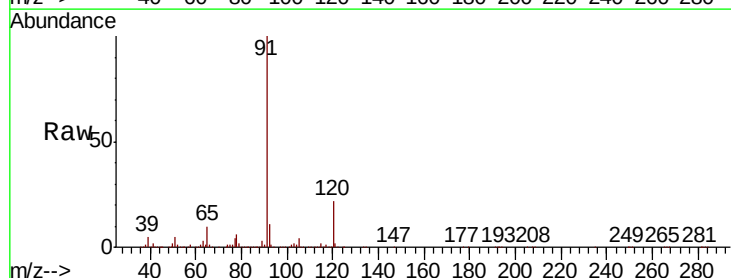
Acq: 08 Aug 2018 11:32

Tgt Ion: 91 Resp: 1041630

Ion Ratio Lower Upper

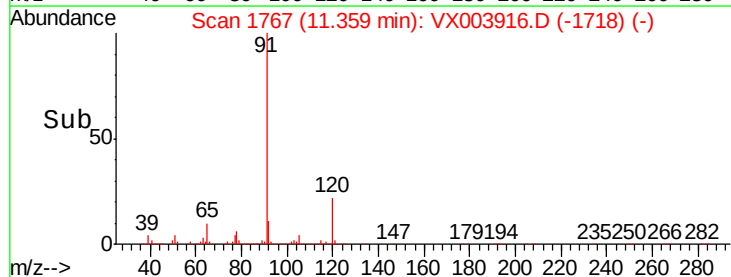
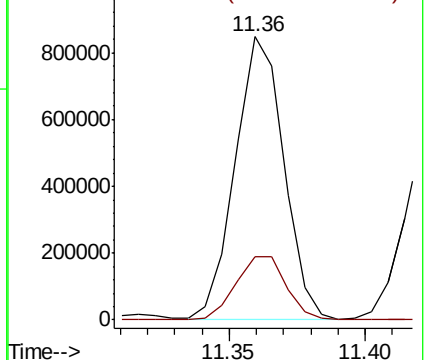
91 100

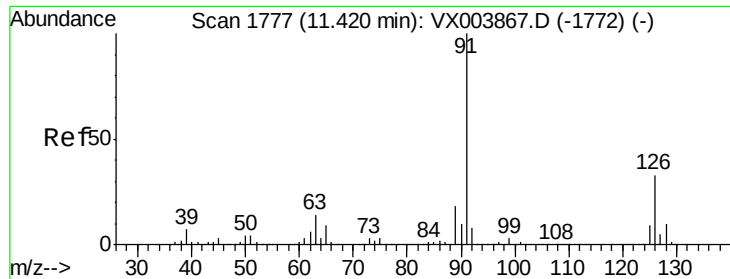
120 23.6 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

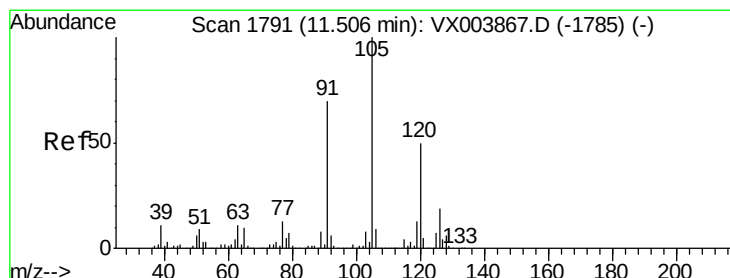
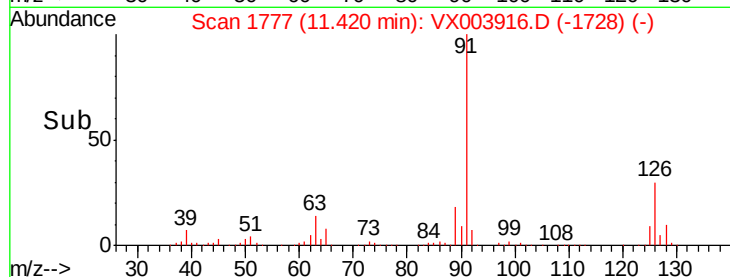
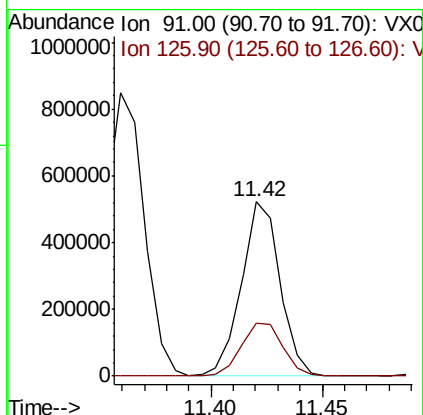
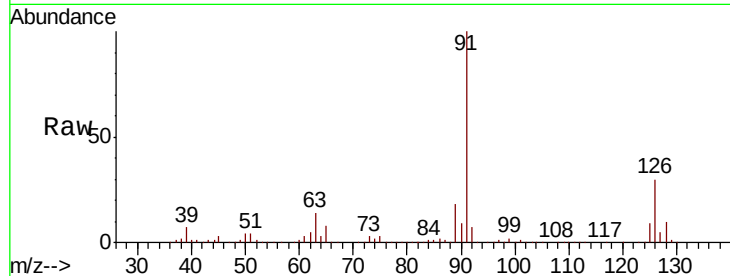




#79
 2-Chlorotoluene
 Concen: 47.48 ug/l
 RT: 11.42 min Scan# 1777
 Delta R.T. 0.00 min
 Lab File: VX003916.D
 Acq: 08 Aug 2018 11:32

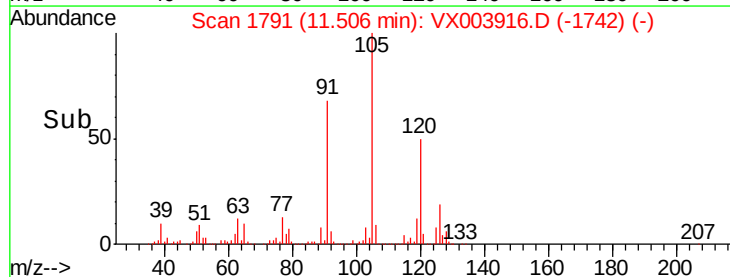
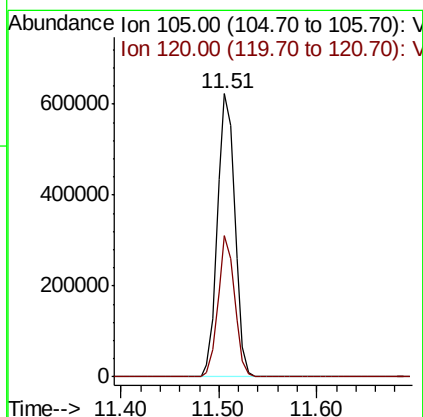
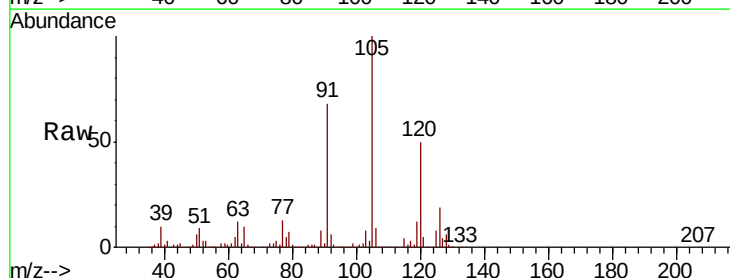
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

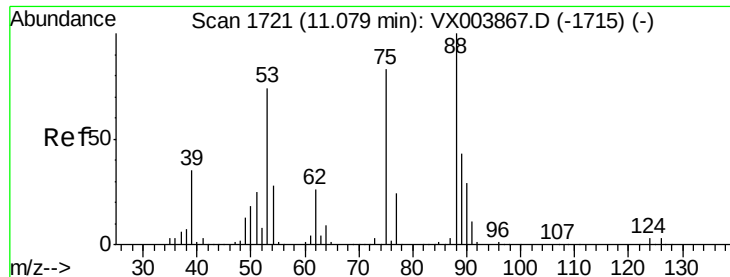
Tot Ion: 91 Resp: 630760
 Ion Ratio Lower Upper
 91 100
 126 33.1 17.4 52.3



#80
 1,3,5-Trimethylbenzene
 Concen: 48.72 ug/l
 RT: 11.51 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX003916.D
 Acq: 08 Aug 2018 11:32

Tgt Ion: 105 Resp: 770889
 Ion Ratio Lower Upper
 105 100
 120 47.3 25.4 76.2





#81

trans-1,4-Dichloro-2-butene

Concen: 45.71 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX003916.D

Acq: 08 Aug 2018 11:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

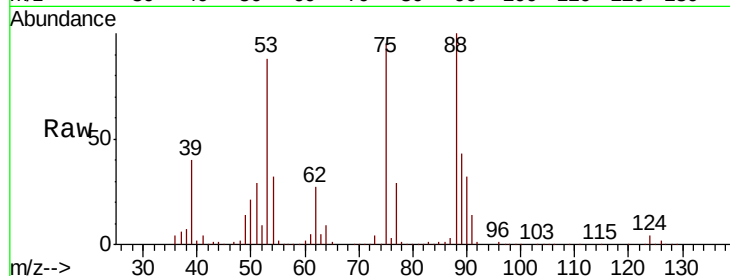
Tot Ion: 75 Resp: 96937

Ion Ratio Lower Upper

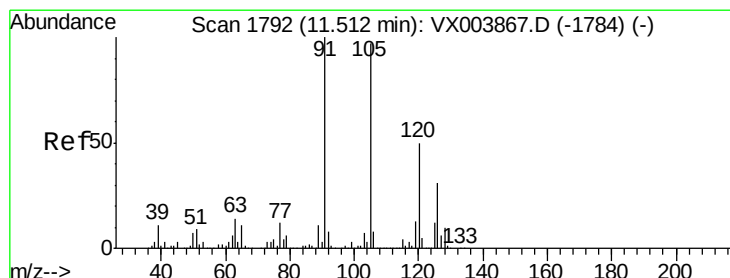
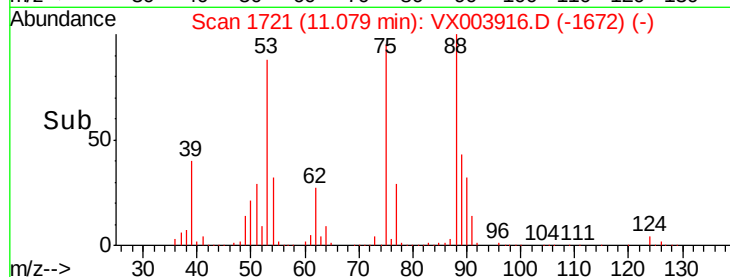
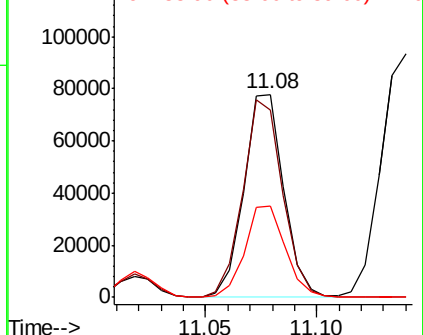
75 100

53 97.6 80.3 120.5

89 46.3 37.8 56.8



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 47.02 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003916.D

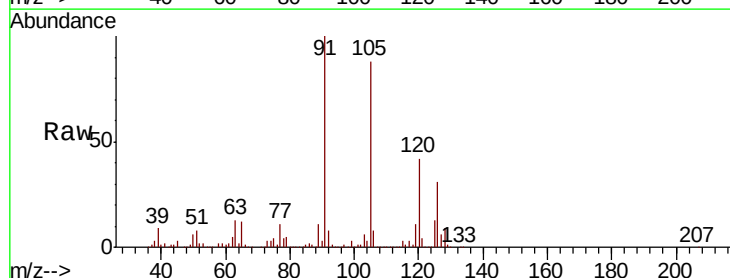
Acq: 08 Aug 2018 11:32

Tgt Ion: 91 Resp: 731867

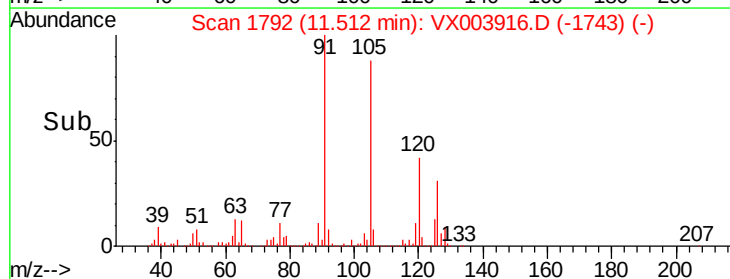
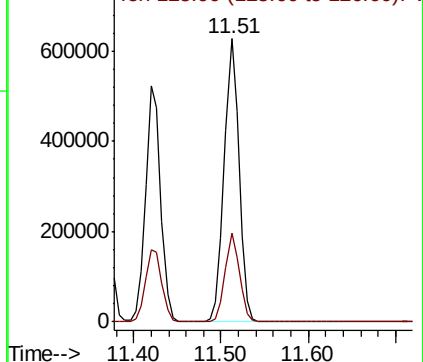
Ion Ratio Lower Upper

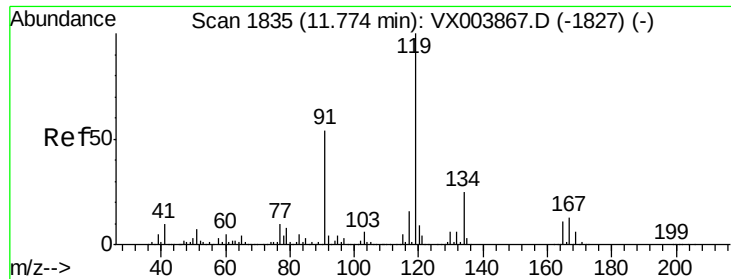
91 100

126 30.5 15.6 46.7



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

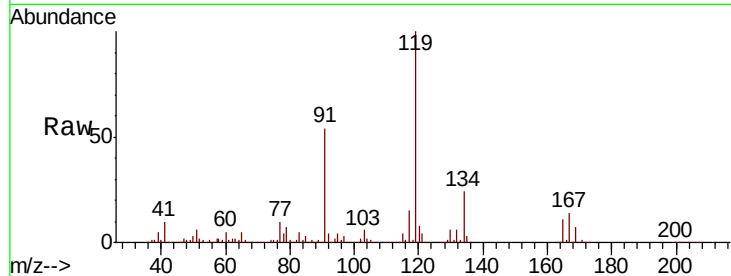




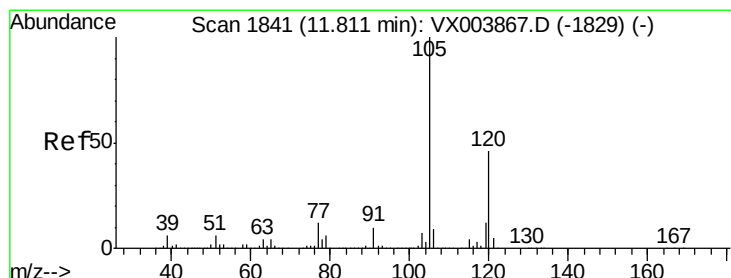
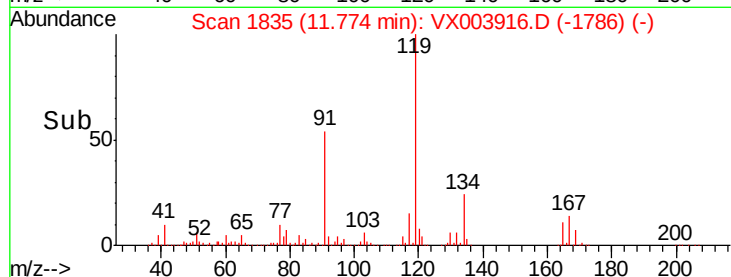
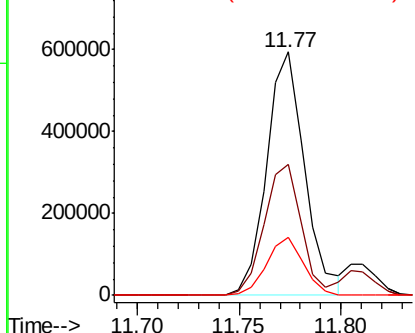
#83
 tert-Butylbenzene
 Concen: 49.60 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX003916.D
 Acq: 08 Aug 2018 11:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:119 Resp: 772081
 Ion Ratio Lower Upper
 119 100
 91 52.4 26.9 80.7
 134 23.1 12.0 36.0

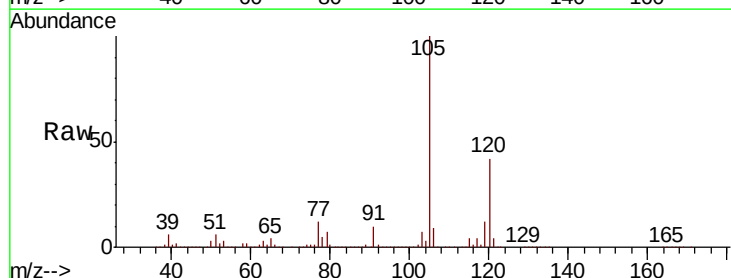


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VX0
 Ion 134.00 (133.70 to 134.70): V

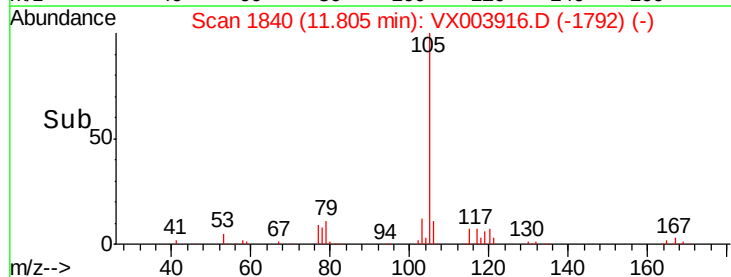
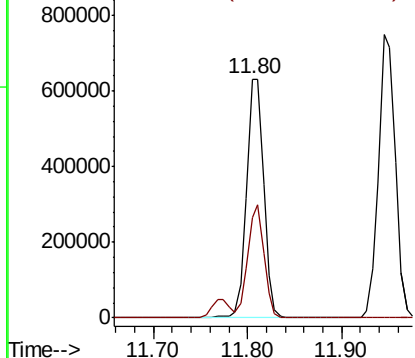


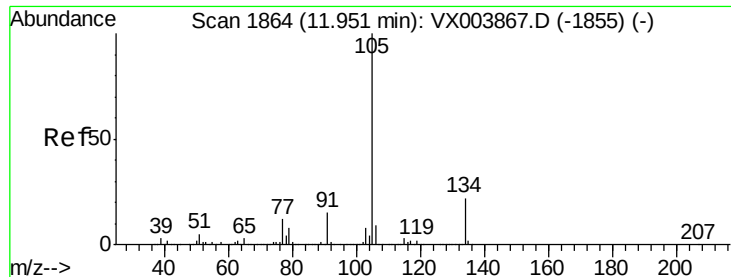
#84
 1,2,4-Trimethylbenzene
 Concen: 50.24 ug/l
 RT: 11.80 min Scan# 1840
 Delta R.T. -0.01 min
 Lab File: VX003916.D
 Acq: 08 Aug 2018 11:32

Tgt Ion:105 Resp: 799197
 Ion Ratio Lower Upper
 105 100
 120 45.1 23.1 69.2



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





#85

sec-Butylbenzene

Concen: 50.23 ug/l

RT: 11.94 min Scan# 1863

Delta R.T. -0.01 min

Lab File: VX003916.D

Acq: 08 Aug 2018 11:32

Instrument :

MSVOA_X

ClientSampleId :

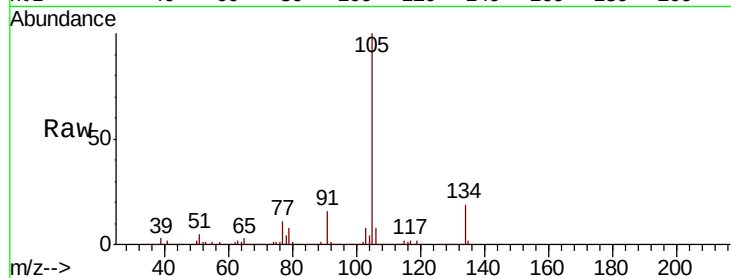
VSTDCCC050

Tot Ion:105 Resp: 922775

Ion Ratio Lower Upper

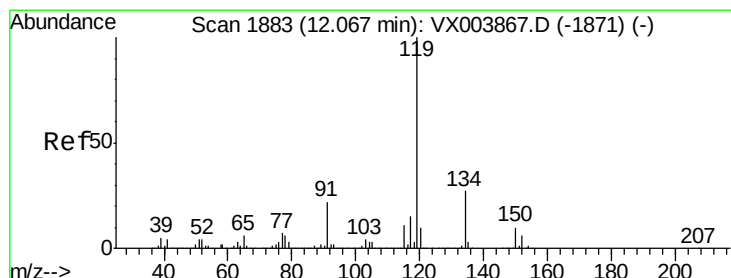
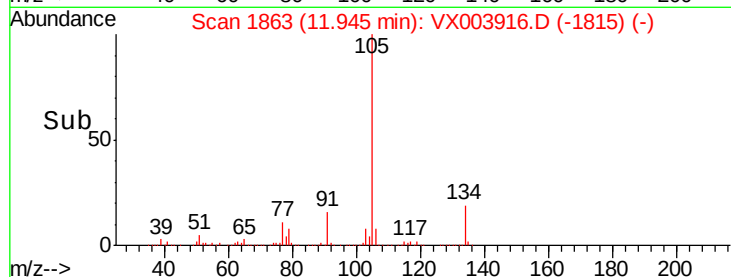
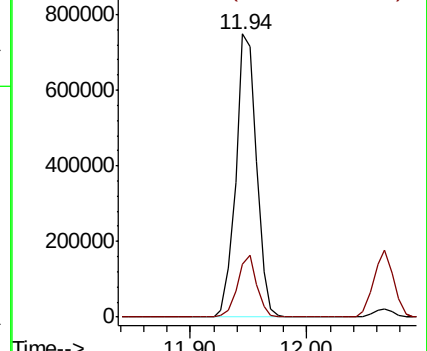
105 100

134 20.4 10.3 30.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 48.74 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003916.D

Acq: 08 Aug 2018 11:32

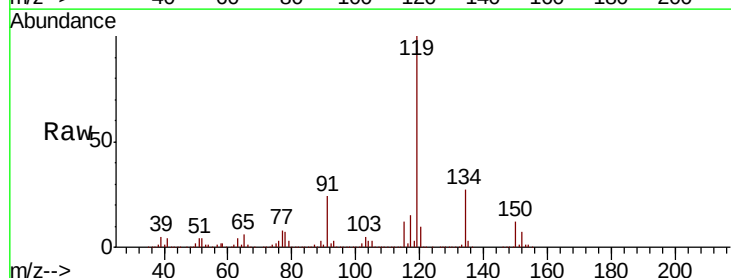
Tgt Ion:119 Resp: 803391

Ion Ratio Lower Upper

119 100

134 26.2 13.3 39.8

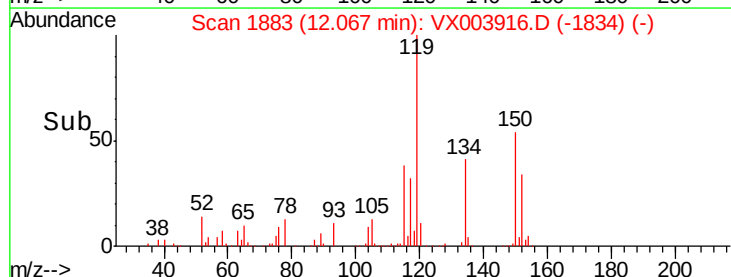
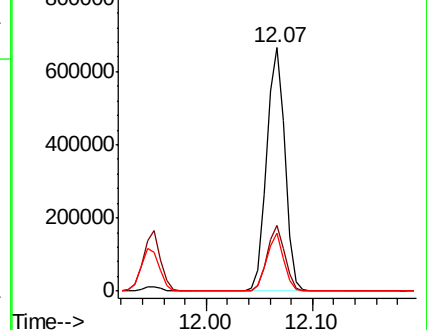
91 22.5 10.9 32.7

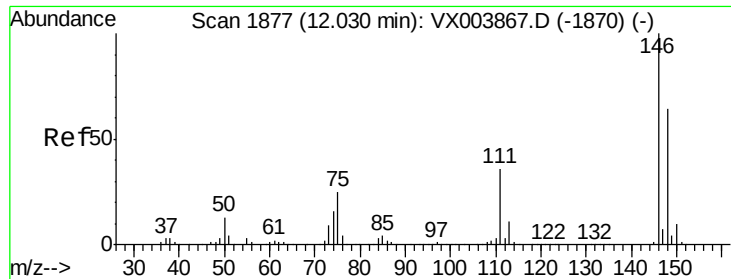


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

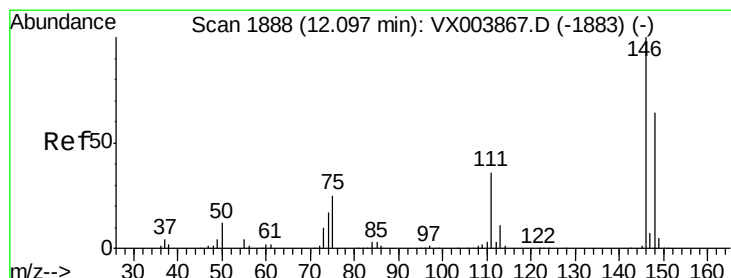
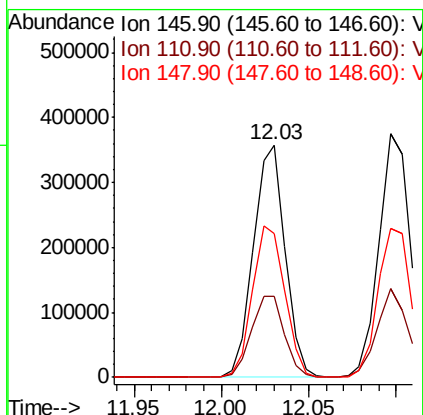
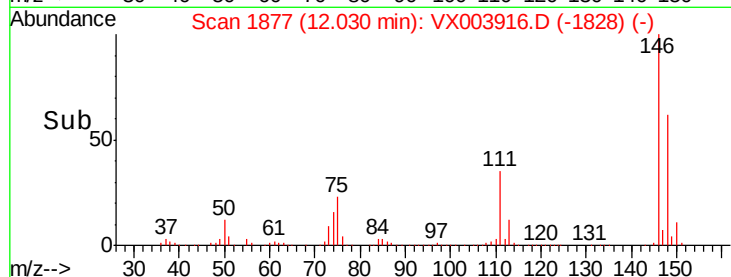
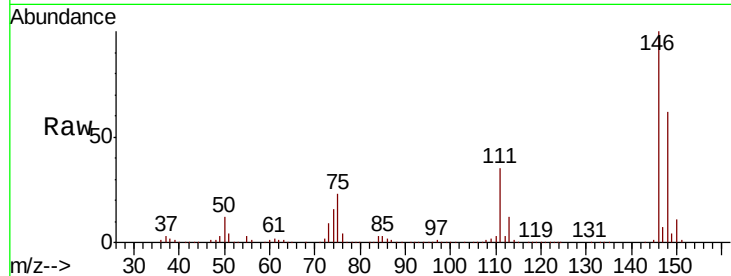




#87
 1,3-Dichlorobenzene
 Concen: 47.20 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX003916.D
 Acq: 08 Aug 2018 11:32

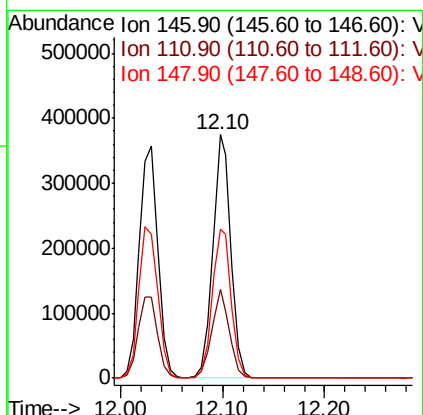
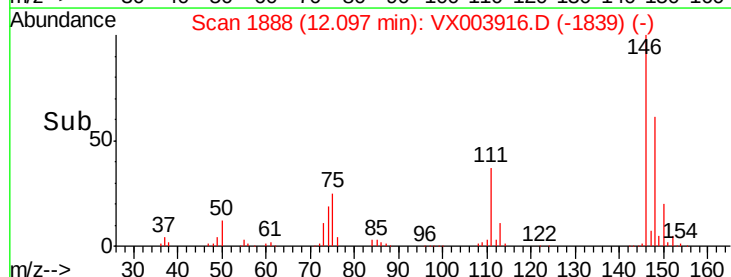
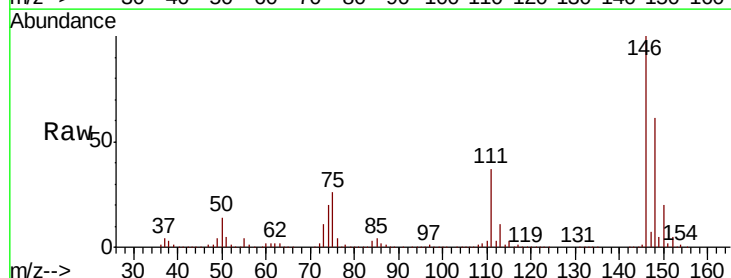
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

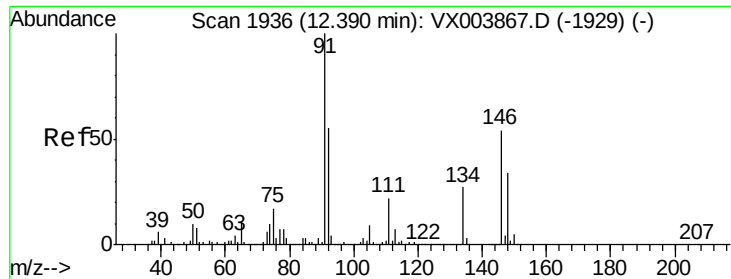
Tot Ion:146 Resp: 451694
 Ion Ratio Lower Upper
 146 100
 111 36.4 18.8 56.4
 148 66.2 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 50.81 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. 0.00 min
 Lab File: VX003916.D
 Acq: 08 Aug 2018 11:32

Tgt Ion:146 Resp: 466122
 Ion Ratio Lower Upper
 146 100
 111 35.5 18.4 55.0
 148 64.1 32.3 96.8

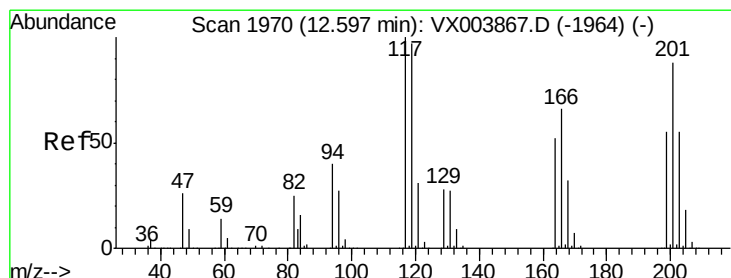
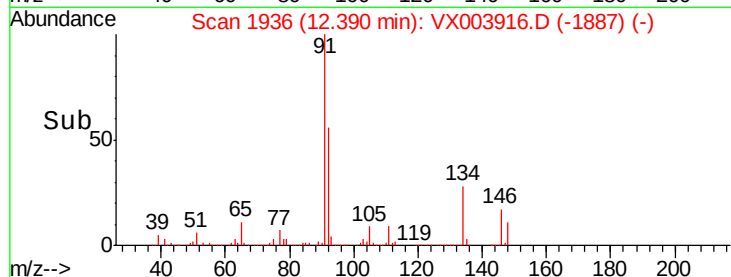
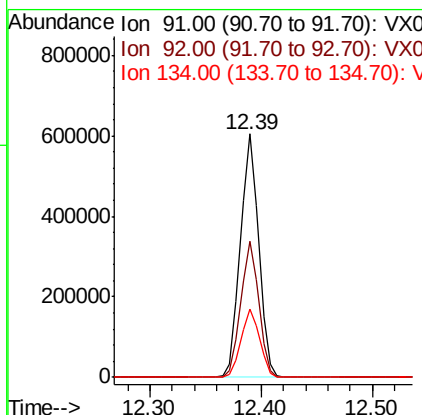
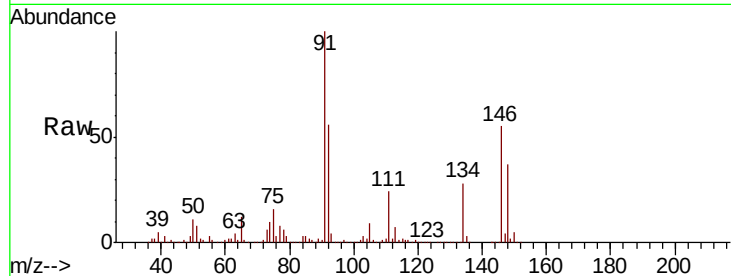




#89
n-Butylbenzene
Concen: 48.21 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003916.D
Acq: 08 Aug 2018 11:32

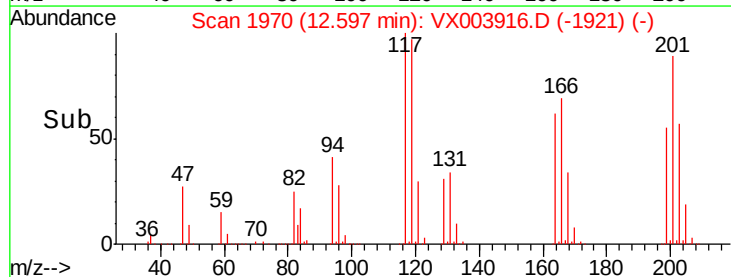
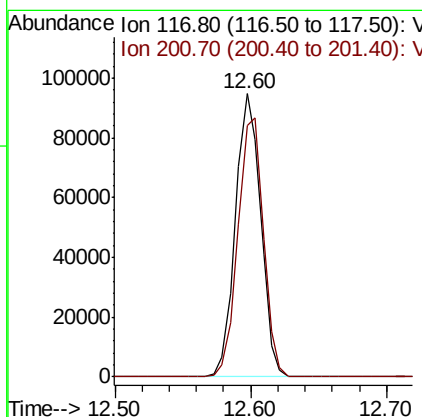
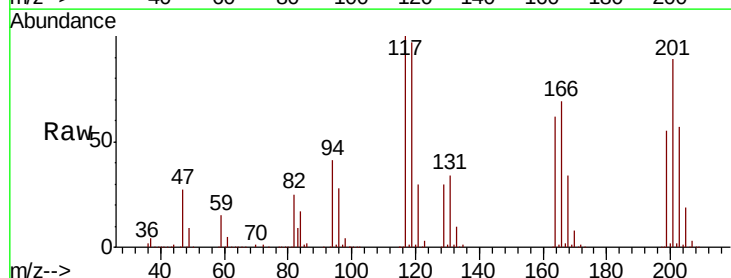
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

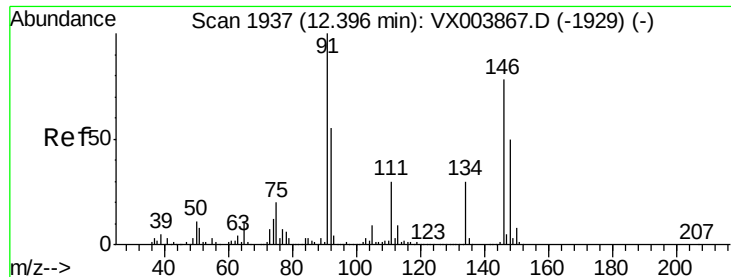
Tot Ion: 91 Resp: 692418
Ion Ratio Lower Upper
91 100
92 54.8 27.1 81.3
134 28.1 13.6 40.7



#90
Hexachloroethane
Concen: 45.74 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX003916.D
Acq: 08 Aug 2018 11:32

Tgt Ion: 117 Resp: 122410
Ion Ratio Lower Upper
117 100
201 92.6 46.1 138.2

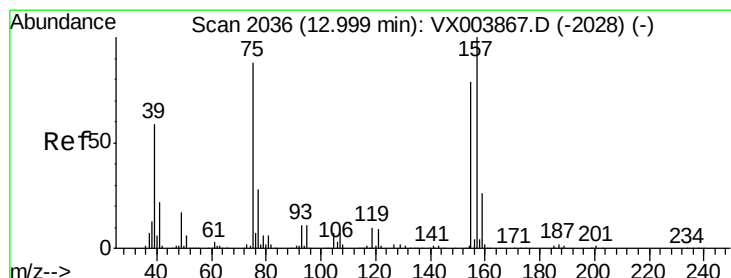
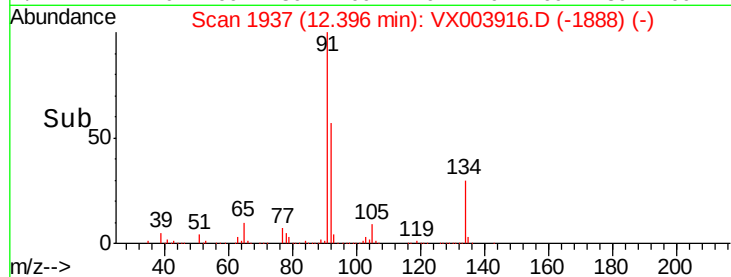
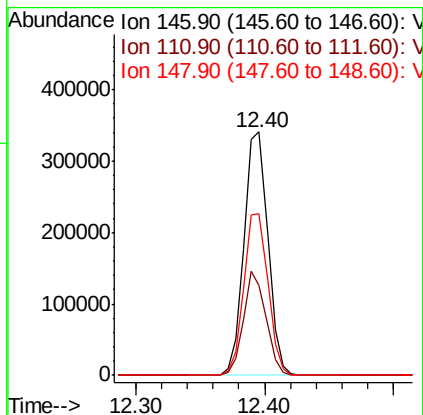
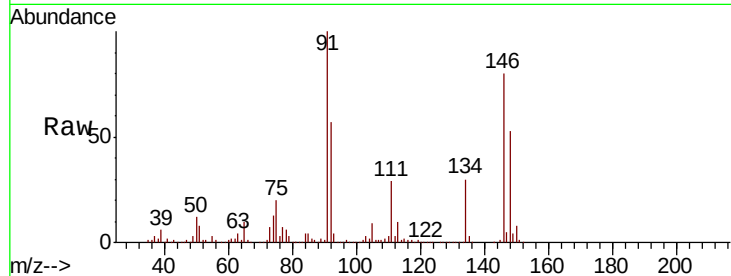




#91
 1,2-Dichlorobenzene
 Concen: 45.73 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX003916.D
 Acq: 08 Aug 2018 11:32

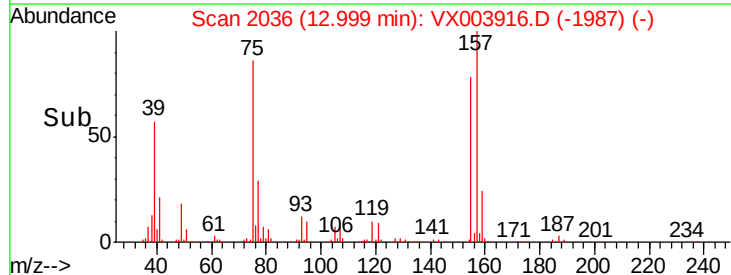
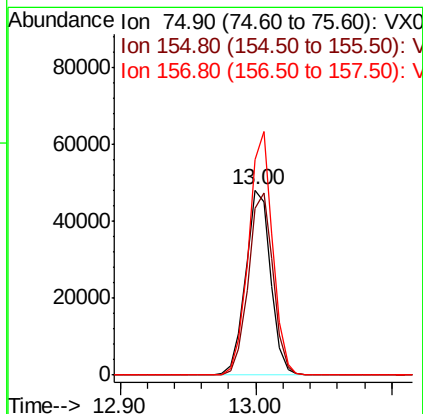
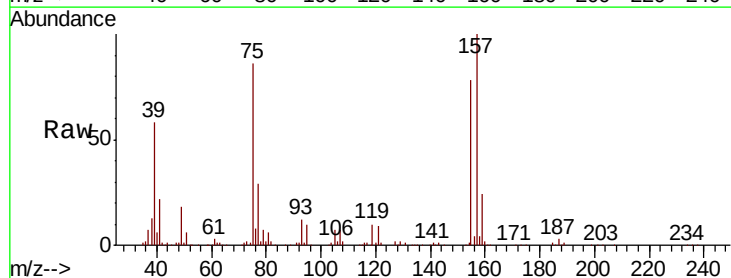
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

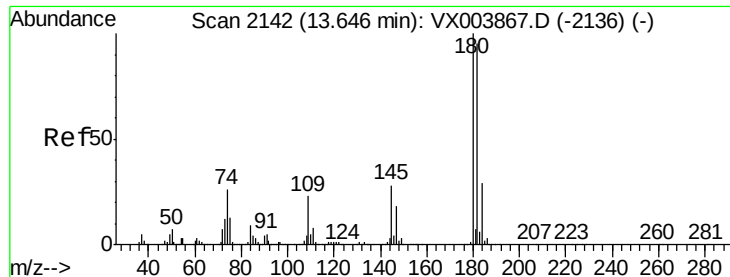
Tot Ion:146 Resp: 433698
 Ion Ratio Lower Upper
 146 100
 111 40.2 19.7 59.0
 148 67.5 31.9 95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.46 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VX003916.D
 Acq: 08 Aug 2018 11:32

Tgt Ion: 75 Resp: 61928
 Ion Ratio Lower Upper
 75 100
 155 97.6 48.7 146.1
 157 126.0 62.6 187.8

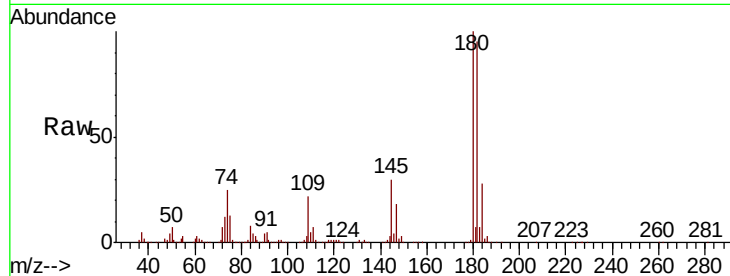




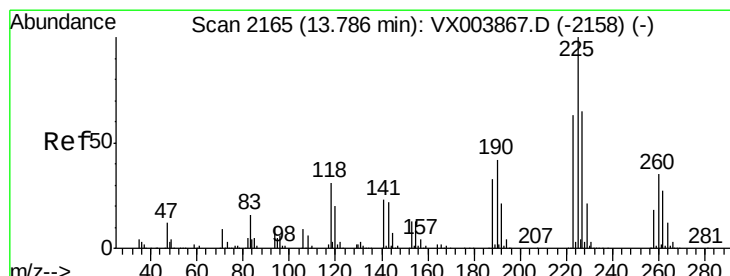
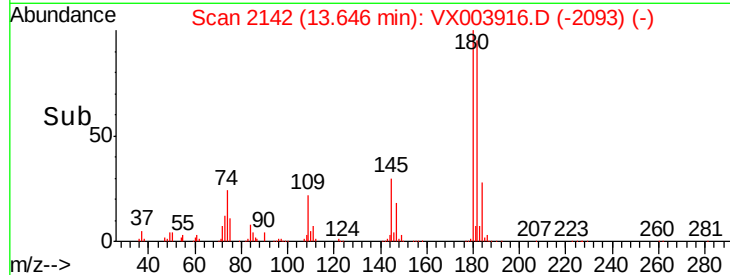
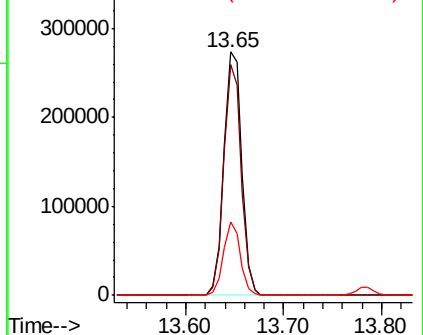
#93
 1,2,4-Trichlorobenzene
 Concen: 50.85 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VX003916.D
 Acq: 08 Aug 2018 11:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.5	47.7	143.1
145	28.6	13.9	41.6

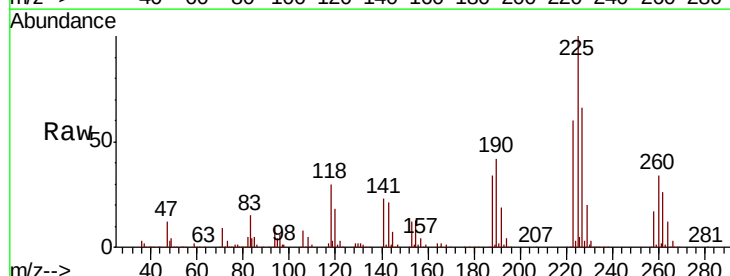


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

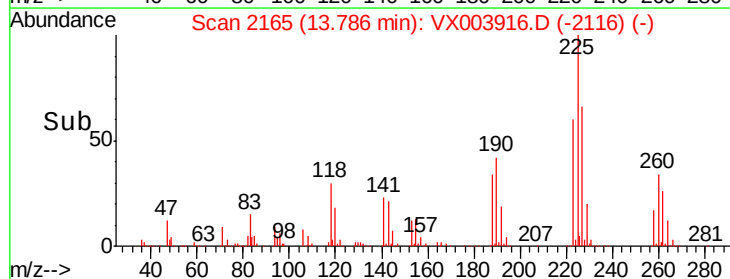
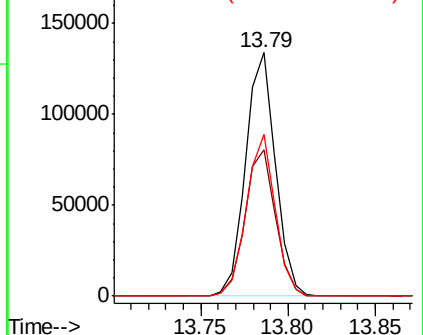


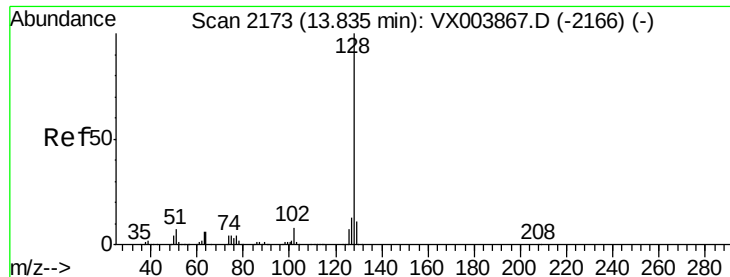
#94
 Hexachlorobutadiene
 Concen: 52.61 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003916.D
 Acq: 08 Aug 2018 11:32

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.1	31.4	94.0
227	64.2	32.1	96.5



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





#95

Naphthalene

Concen: 54.96 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. 0.00 min

Lab File: VX003916.D

Acq: 08 Aug 2018 11:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

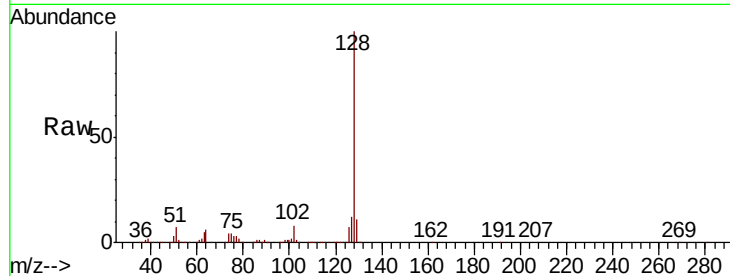
Tot Ion:128 Resp: 1073673

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.2

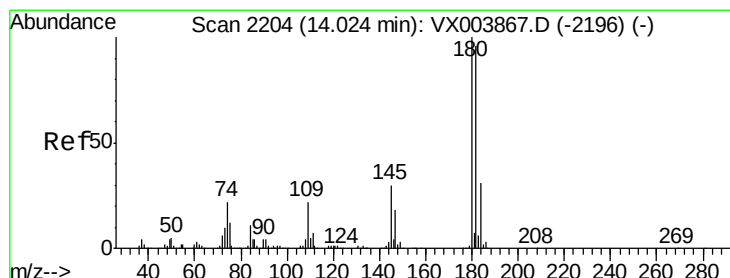
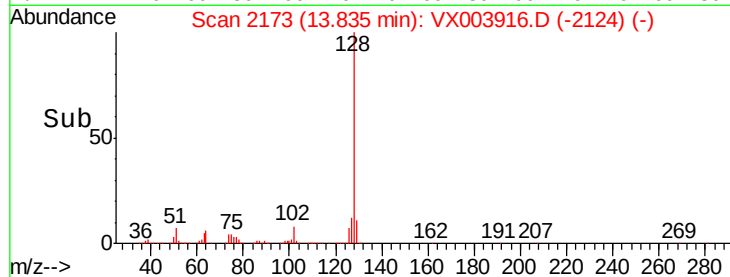
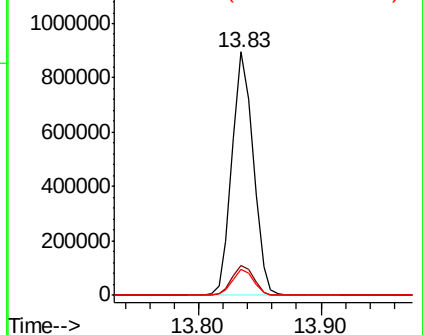
129 10.9 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 54.11 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX003916.D

Acq: 08 Aug 2018 11:32

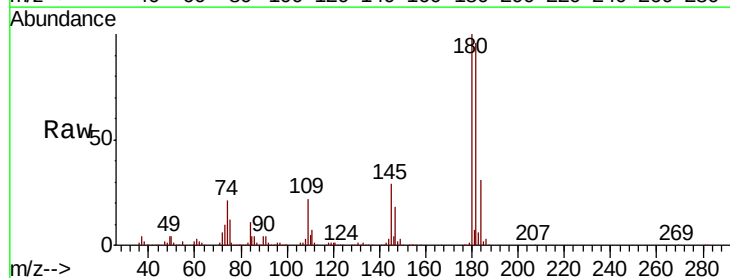
Tgt Ion:180 Resp: 368329

Ion Ratio Lower Upper

180 100

182 95.8 48.1 144.4

145 29.8 14.9 44.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

