

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080818\
 Data File : VX003938.D
 Acq On : 08 Aug 2018 21:44
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 09 03:18:39 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	5.67	168	351934	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	528926	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	493997	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	275483	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	230317	49.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.74%	
35) Dibromofluoromethane	5.51	113	194790	48.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.22%	
50) Toluene-d8	8.72	98	747254	47.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.92%	
62) 4-Bromofluorobenzene	11.14	95	278302	55.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.40%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.19	85	167445	46.95	ug/l	100
3) Chloromethane	1.32	50	208059	42.88	ug/l	99
4) Vinyl Chloride	1.40	62	219753	45.41	ug/l	99
5) Bromomethane	1.64	94	90788	34.49	ug/l	98
6) Chloroethane	1.72	64	149619	48.33	ug/l	100
7) Trichlorofluoromethane	1.92	101	296979	46.48	ug/l	99
8) Diethyl Ether	2.19	74	136830	47.65	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	182888	45.80	ug/l	99
10) Methyl Iodide	2.51	142	147007	29.59	ug/l	100
11) Tert butyl alcohol	3.08	59	275650	245.89	ug/l	100
12) 1,1-Dichloroethene	2.37	96	176948	46.84	ug/l	99
13) Acrolein	2.29	56	115671	199.37	ug/l	100
14) Allyl chloride	2.72	41	332487	45.66	ug/l	99
15) Acrylonitrile	3.15	53	626309	234.14	ug/l	100
16) Acetone	2.45	43	623835	224.77	ug/l	100
17) Carbon Disulfide	2.56	76	475700	44.48	ug/l	99
18) Methyl Acetate	2.78	43	289981	47.98	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	659721	49.29	ug/l	99
20) Methylene Chloride	2.86	84	210043	47.95	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	196868	45.91	ug/l	99
22) Diisopropyl ether	3.87	45	640746	47.87	ug/l	99
23) Vinyl Acetate	3.82	43	2703116	242.72	ug/l	99
24) 1,1-Dichloroethane	3.70	63	374063	47.05	ug/l	99
25) 2-Butanone	4.71	43	1028606	246.50	ug/l	98
26) 2,2-Dichloropropane	4.58	77	217653	37.96	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	229414	49.30	ug/l	95
28) Bromochloromethane	5.02	49	165505	48.64	ug/l	97
29) Tetrahydrofuran	5.17	42	520405	242.64	ug/l	99
30) Chloroform	5.21	83	362736	48.46	ug/l	98
31) Cyclohexane	5.57	56	325092	48.35	ug/l	100
32) 1,1,1-Trichloroethane	5.49	97	313608	49.96	ug/l	99
36) 1,1-Dichloropropene	5.80	75	277217	46.80	ug/l	100
37) Ethyl Acetate	4.87	43	308080	47.28	ug/l	99
38) Carbon Tetrachloride	5.78	117	268917	47.69	ug/l	96

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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)
39) Methylcyclohexane	7.46	83	333960	47.81	ug/l	97
40) Benzene	6.14	78	843676	47.43	ug/l	100
41) Methacrylonitrile	5.07	41	171991	47.92	ug/l	99
42) 1,2-Dichloroethane	6.20	62	286858	47.69	ug/l	100
43) Isopropyl Acetate	6.47	43	484104	49.37	ug/l	99
44) Trichloroethene	7.21	130	226636	46.59	ug/l	94
45) 1,2-Dichloropropane	7.52	63	217164	47.28	ug/l	99
46) Dibromomethane	7.67	93	140359	47.06	ug/l	99
47) Bromodichloromethane	7.90	83	268907	47.86	ug/l	99
48) Methyl methacrylate	7.78	41	249893	50.13	ug/l	98
49) 1,4-Dioxane	7.76	88	119379	1016.61	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	2017690	248.23	ug/l	99
52) Toluene	8.79	92	581794	51.76	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	301081	47.41	ug/l	100
54) cis-1,3-Dichloropropene	8.44	75	327878	47.88	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	221731	48.28	ug/l	98
56) Ethyl methacrylate	9.18	69	346104	51.94	ug/l	99
57) 1,3-Dichloropropane	9.37	76	368364	47.92	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	819375	250.05	ug/l	100
59) 2-Hexanone	9.50	43	1547203	254.64	ug/l	99
60) Dibromochloromethane	9.59	129	219659	51.29	ug/l	99
61) 1,2-Dibromoethane	9.68	107	228148	49.61	ug/l	100
64) Tetrachloroethene	9.34	164	215377	44.32	ug/l	95
65) Chlorobenzene	10.14	112	603078	46.92	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.23	131	215296	48.72	ug/l	99
67) Ethyl Benzene	10.26	91	1066618	50.69	ug/l	100
68) m/p-Xylenes	10.36	106	858659	104.44	ug/l	96
69) o-Xylene	10.70	106	409316	52.74	ug/l	96
70) Styrene	10.71	104	659066	51.87	ug/l	98
71) Bromoform	10.86	173	170119	45.67	ug/l	99
73) Isopropylbenzene	11.02	105	1046012	51.33	ug/l	97
74) N-amyl acetate	6.47	43	484104	45.68	ug/l	# 99
75) 1,1,2,2-Tetrachloroethane	11.27	83	345560	49.47	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	392005	64.42	ug/l	84
77) Bromobenzene	11.26	156	275536	50.68	ug/l	98
78) n-propylbenzene	11.36	91	1187989	51.91	ug/l	100
79) 2-Chlorotoluene	11.42	91	699397	50.13	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	873374	52.56	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.08	75	93119	42.00	ug/l	98
82) 4-Chlorotoluene	11.51	91	823011	50.35	ug/l	100
83) tert-Butylbenzene	11.77	119	873762	53.45	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	927234	55.49	ug/l	99
85) sec-Butylbenzene	11.95	105	1006146	52.15	ug/l	99
86) p-Isopropyltoluene	12.07	119	851362	49.18	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	473210	47.09	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	469055	48.67	ug/l	99
89) n-Butylbenzene	12.39	91	671336	44.50	ug/l	100
90) Hexachloroethane	12.60	117	123056	43.78	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	442009	44.37	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	66343	46.37	ug/l	100

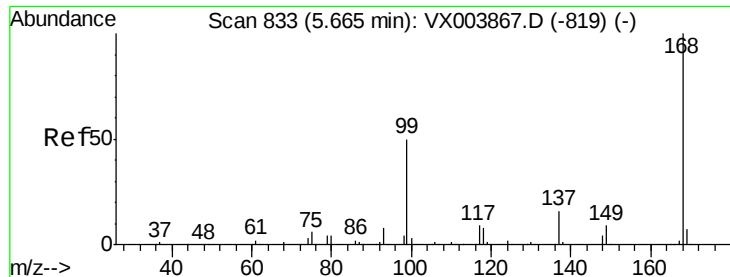
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	366535	51.16	ug/l	97
94) Hexachlorobutadiene	13.79	225	161675	51.14	ug/l	99
95) Naphthalene	13.83	128	1188254	57.91	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	375736	52.55	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003938.D

Acq: 08 Aug 2018 21:44

Instrument :

MSVOA_X

ClientSampleId :

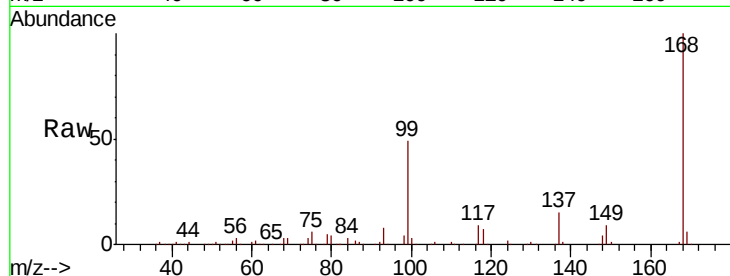
VSTDCCC050EC

Tot Ion:168 Resp: 351934

Ion Ratio Lower Upper

168 100

99 48.9 40.1 60.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

150000

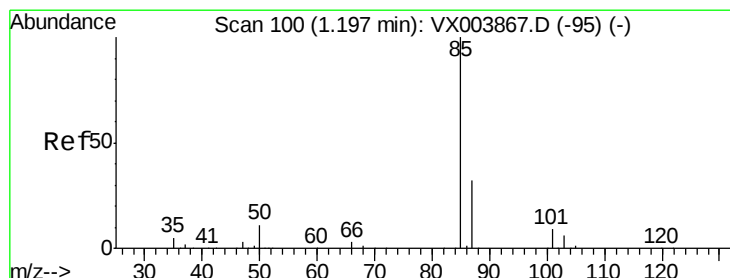
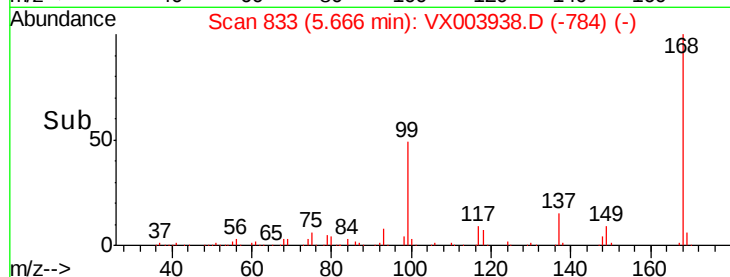
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 46.95 ug/l

RT: 1.19 min Scan# 99

Delta R.T. -0.01 min

Lab File: VX003938.D

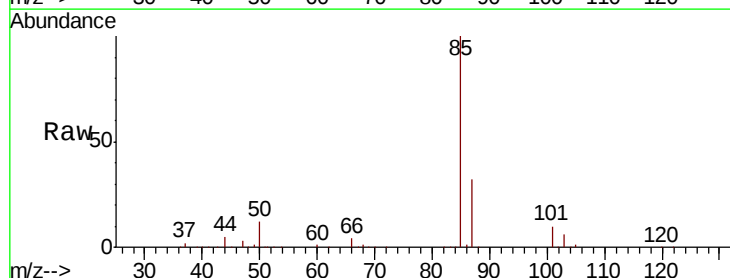
Acq: 08 Aug 2018 21:44

Tgt Ion: 85 Resp: 167445

Ion Ratio Lower Upper

85 100

87 31.8 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

150000

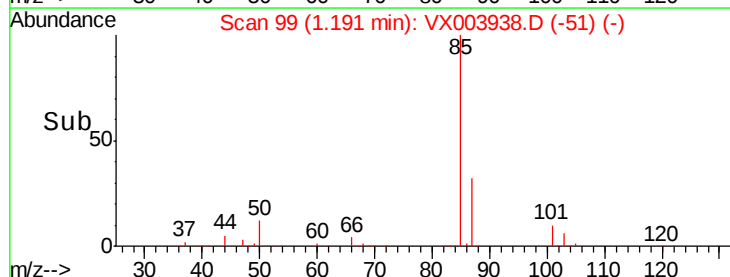
100000

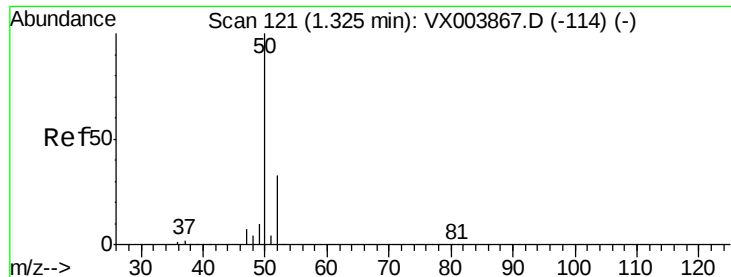
50000

0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 42.88 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003938.D

Acq: 08 Aug 2018 21:44

Instrument :

MSVOA_X

ClientSampleId :

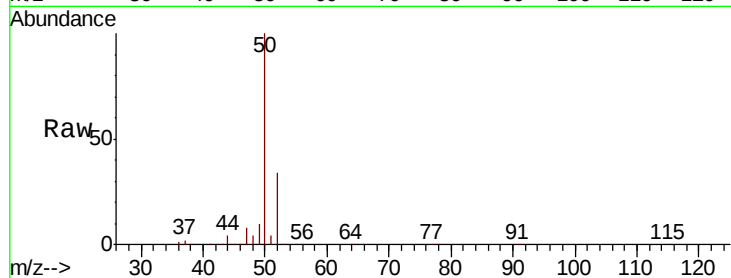
VSTDCCC050EC

Tot Ion: 50 Resp: 208059

Ion Ratio Lower Upper

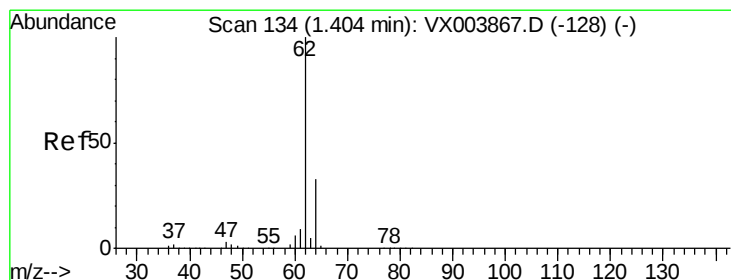
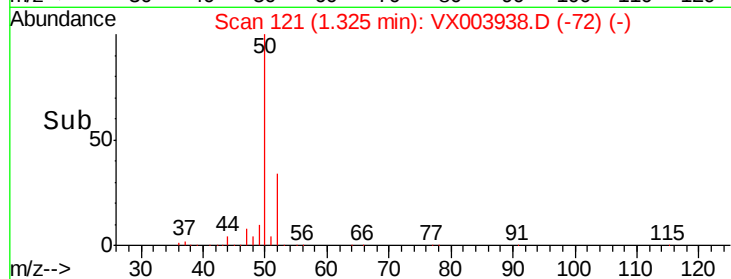
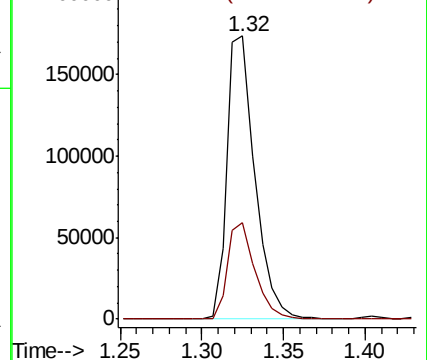
50 100

52 34.0 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 45.41 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003938.D

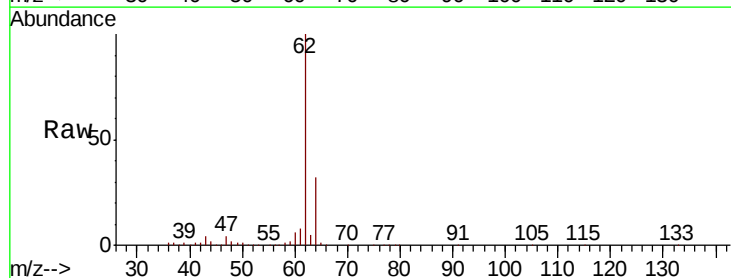
Acq: 08 Aug 2018 21:44

Tgt Ion: 62 Resp: 219753

Ion Ratio Lower Upper

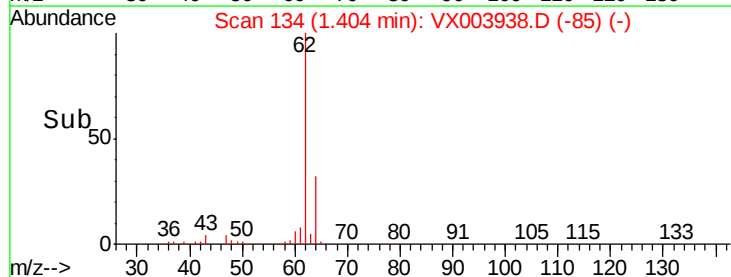
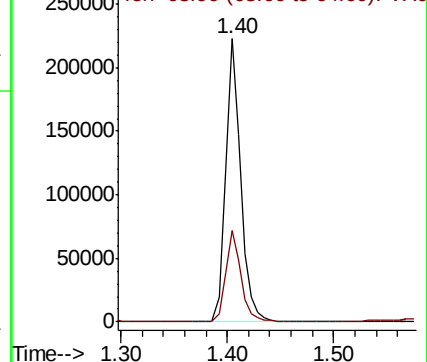
62 100

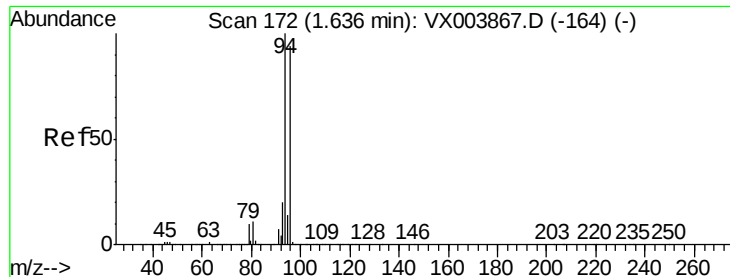
64 31.9 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 34.49 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003938.D

Acq: 08 Aug 2018 21:44

Instrument :

MSVOA_X

ClientSampleId :

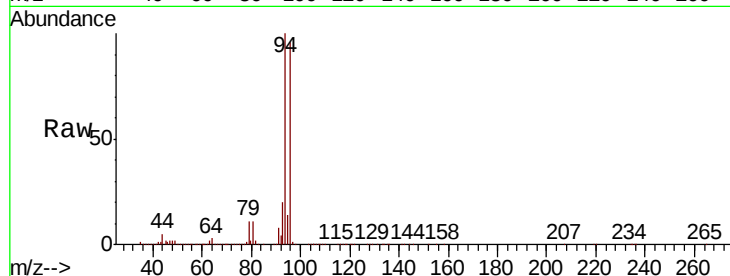
VSTDCCC050EC

Tot Ion: 94 Resp: 90788

Ion Ratio Lower Upper

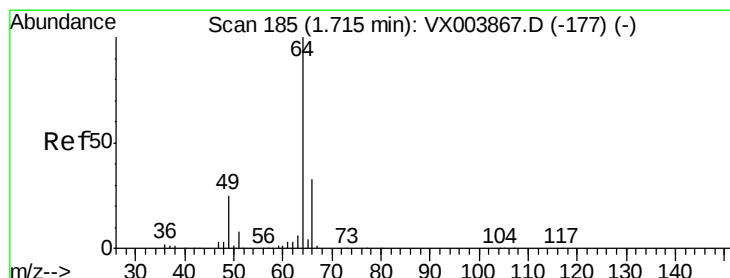
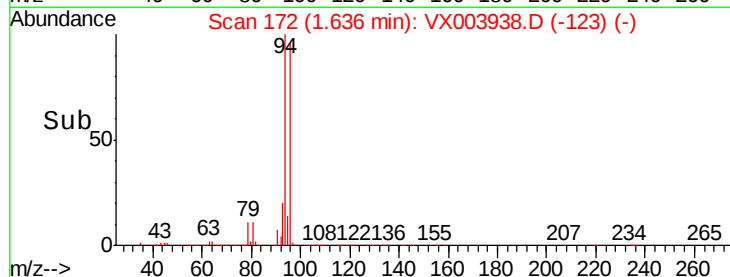
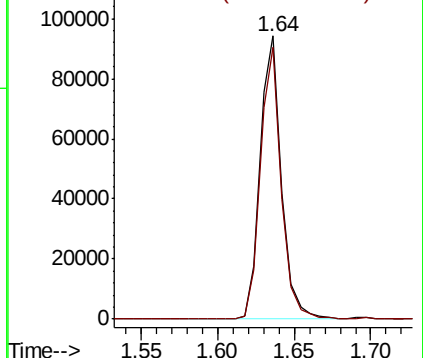
94 100

96 95.9 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: 48.33 ug/l

RT: 1.72 min Scan# 185

Delta R.T. 0.00 min

Lab File: VX003938.D

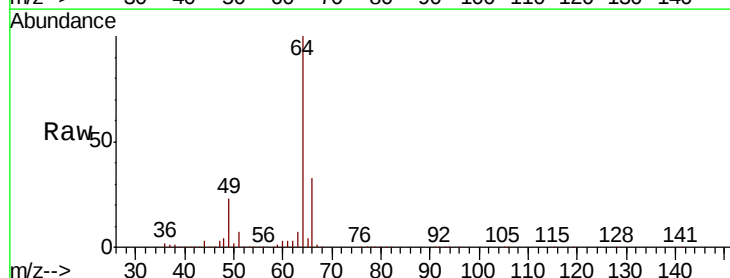
Acq: 08 Aug 2018 21:44

Tgt Ion: 64 Resp: 149619

Ion Ratio Lower Upper

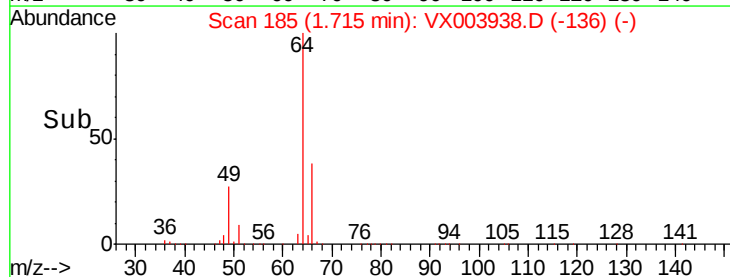
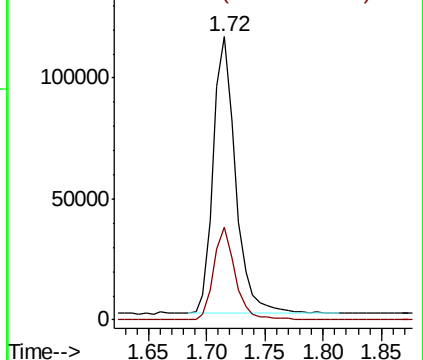
64 100

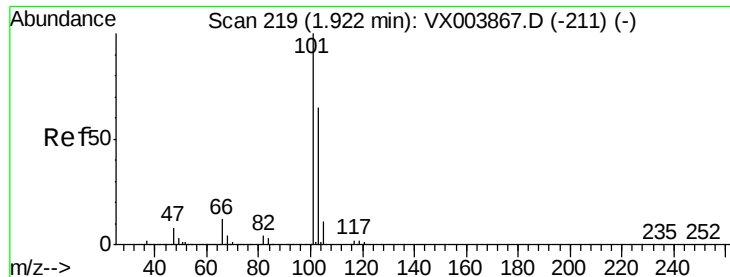
66 33.2 26.5 39.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

Trichlorofluoromethane

Concen: 46.48 ug/l

RT: 1.92 min Scan# 219

Delta R.T. 0.00 min

Lab File: VX003938.D

Acq: 08 Aug 2018 21:44

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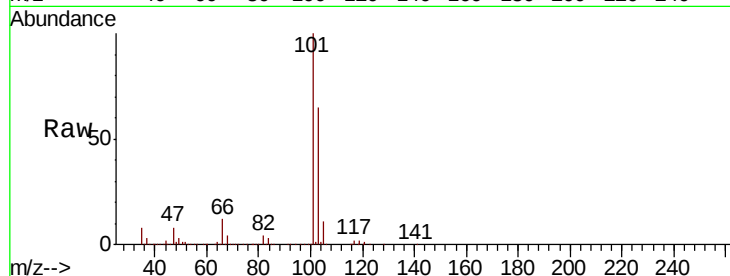
VSTDCCC050EC

Tot Ion:101 Resp: 296979

Ion Ratio Lower Upper

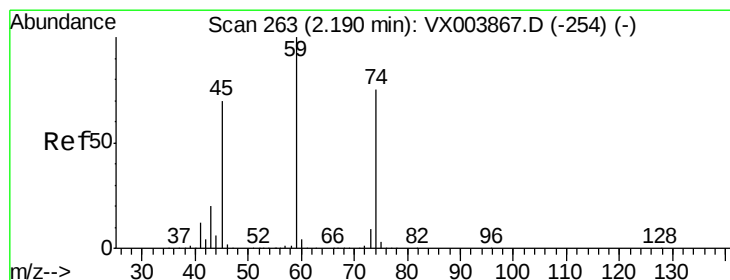
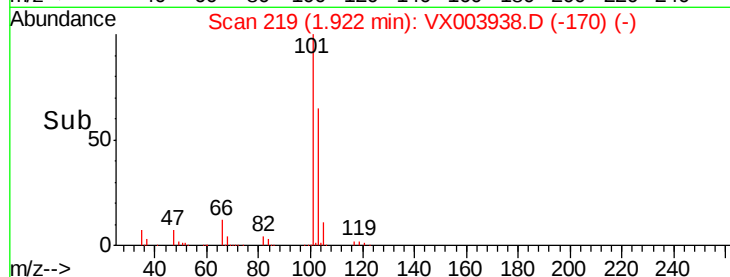
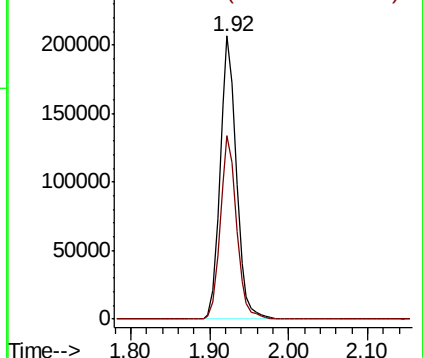
101 100

103 64.9 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: 47.65 ug/l

RT: 2.19 min Scan# 263

Delta R.T. 0.00 min

Lab File: VX003938.D

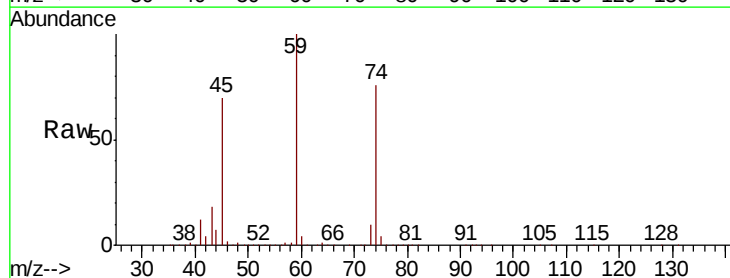
Acq: 08 Aug 2018 21:44

Tgt Ion: 74 Resp: 136830

Ion Ratio Lower Upper

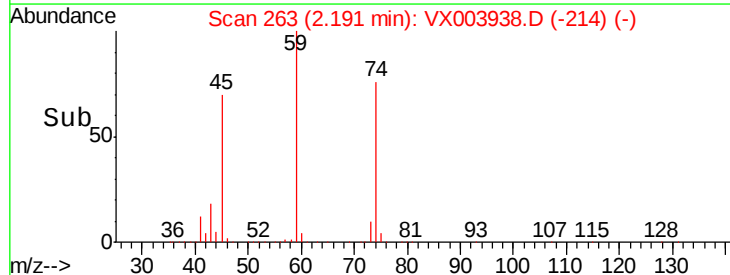
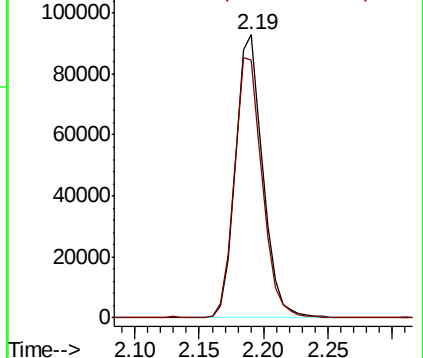
74 100

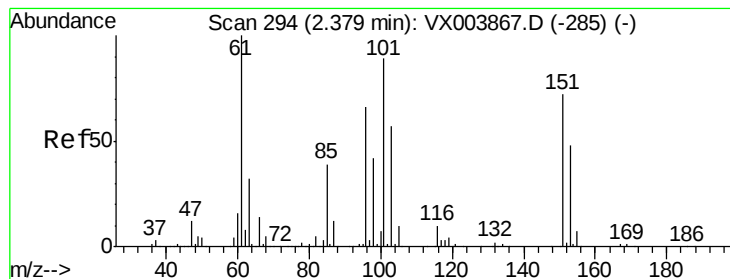
45 93.8 48.3 144.9



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: 45.80 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX003938.D

Acq: 08 Aug 2018 21:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

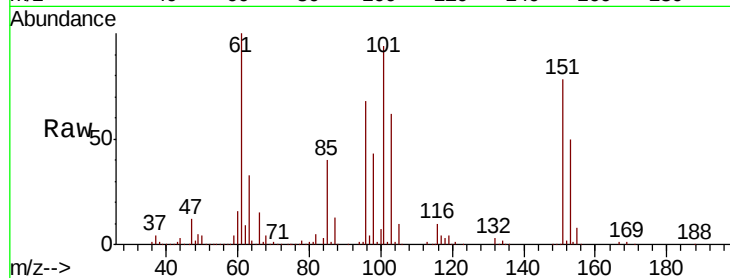
Tot Ion:101 Resp: 182888

Ion Ratio Lower Upper

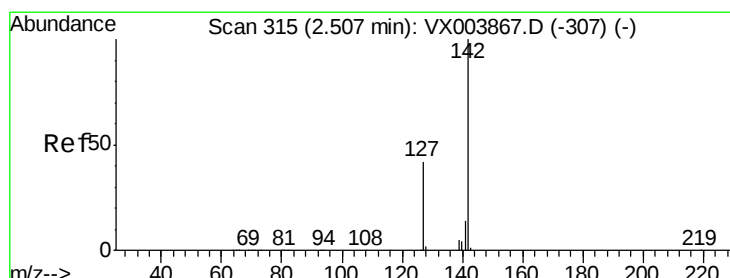
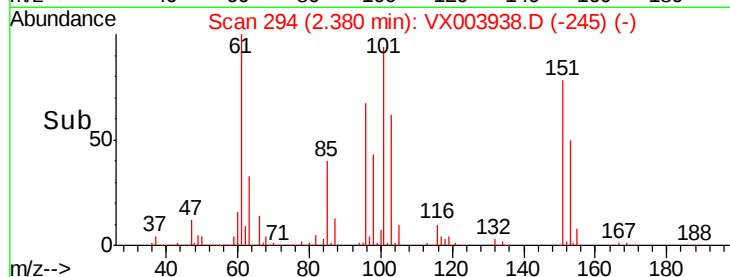
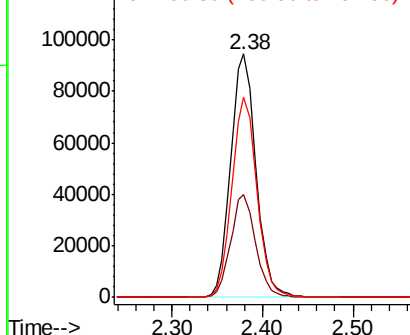
101 100

85 41.7 34.2 51.4

151 81.7 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: 29.59 ug/l

RT: 2.51 min Scan# 315

Delta R.T. 0.00 min

Lab File: VX003938.D

Acq: 08 Aug 2018 21:44

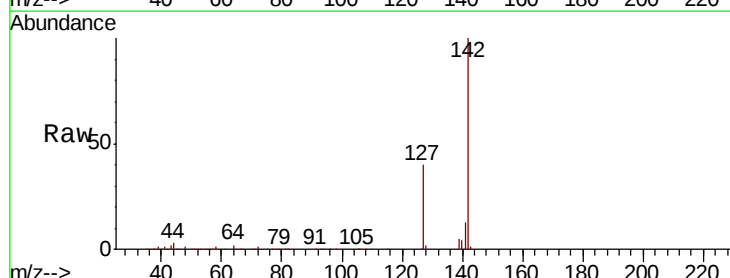
Tgt Ion:142 Resp: 147007

Ion Ratio Lower Upper

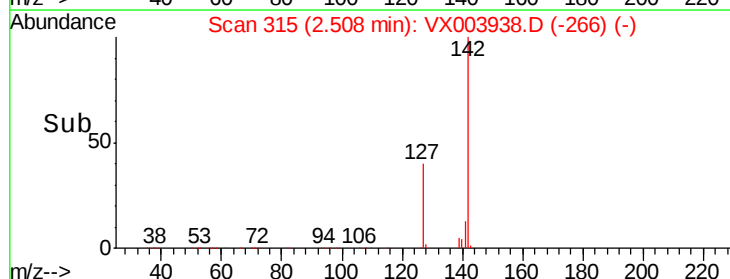
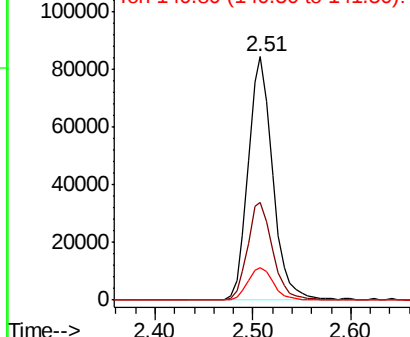
142 100

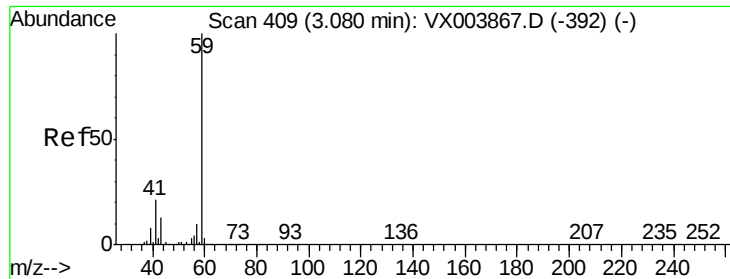
127 41.5 33.1 49.7

141 14.0 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: 245.89 ug/l

RT: 3.08 min Scan# 409

Delta R.T. 0.00 min

Lab File: VX003938.D

Acq: 08 Aug 2018 21:44

Instrument :

MSVOA_X

ClientSampleId :

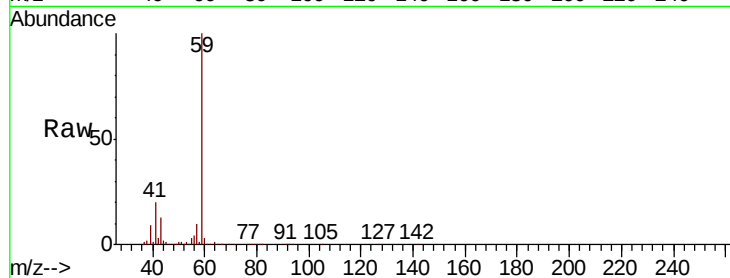
VSTDCCC050EC

Tot Ion: 59 Resp: 275650

Ion Ratio Lower Upper

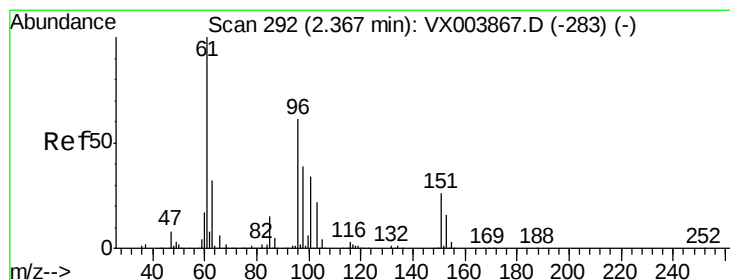
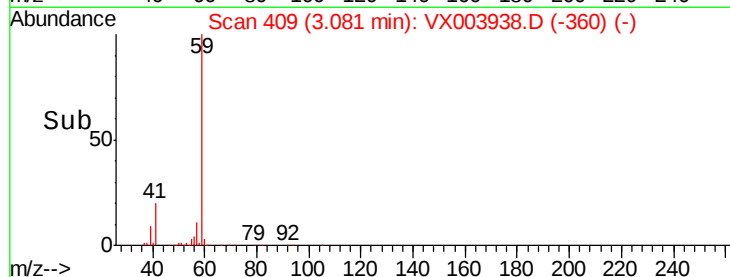
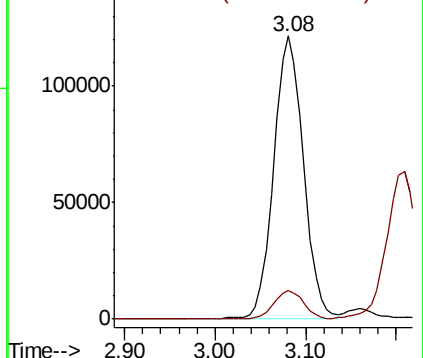
59 100

57 10.1 8.1 12.1



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



#12

1,1-Dichloroethene

Concen: 46.84 ug/l

RT: 2.37 min Scan# 292

Delta R.T. 0.00 min

Lab File: VX003938.D

Acq: 08 Aug 2018 21:44

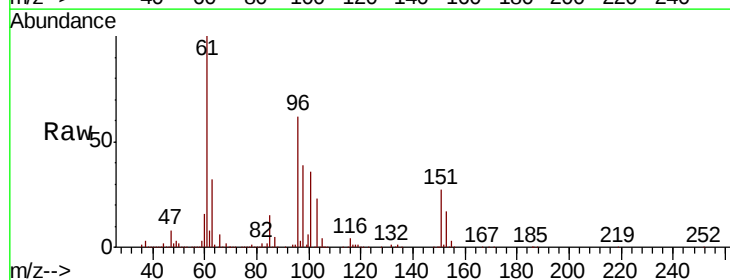
Tgt Ion: 96 Resp: 176948

Ion Ratio Lower Upper

96 100

61 162.2 131.3 196.9

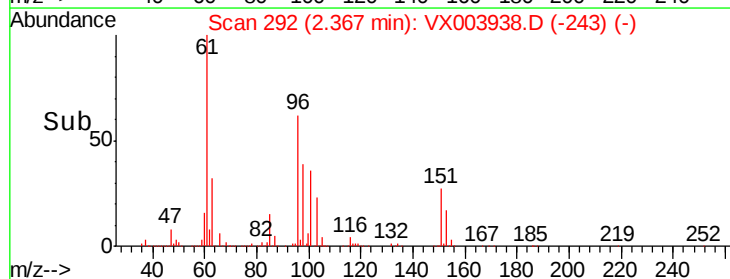
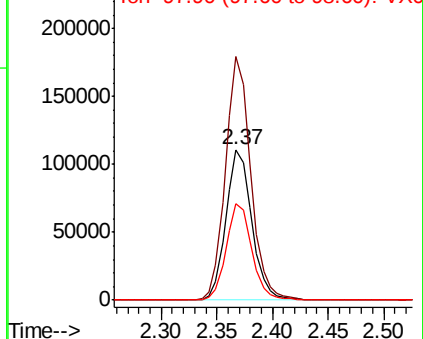
98 63.9 51.8 77.6

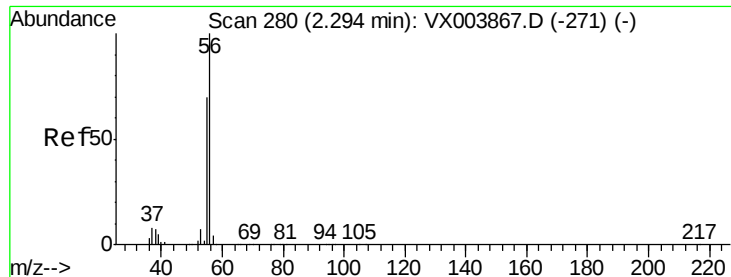


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#13

Acrolein

Concen: 199.37 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003938.D

Acq: 08 Aug 2018 21:44

Instrument :

MSVOA_X

ClientSampleId :

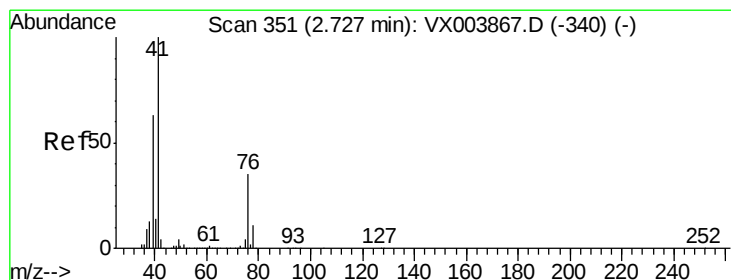
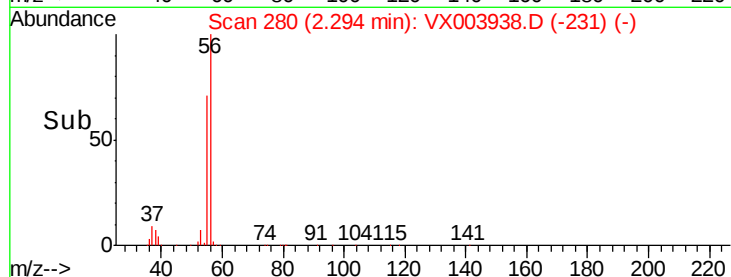
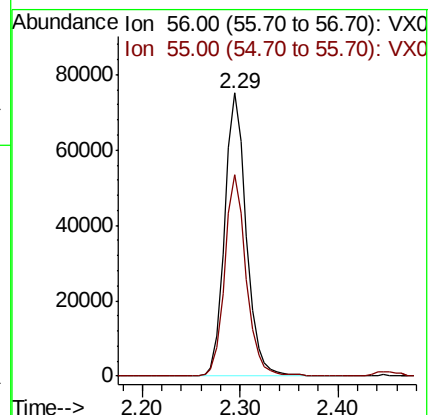
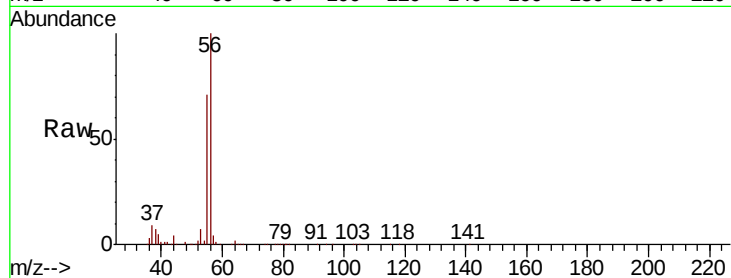
VSTDCCC050EC

Tot Ion: 56 Resp: 115671

Ion Ratio Lower Upper

56 100

55 69.8 56.1 84.1



#14

Allyl chloride

Concen: 45.66 ug/l

RT: 2.72 min Scan# 350

Delta R.T. -0.01 min

Lab File: VX003938.D

Acq: 08 Aug 2018 21:44

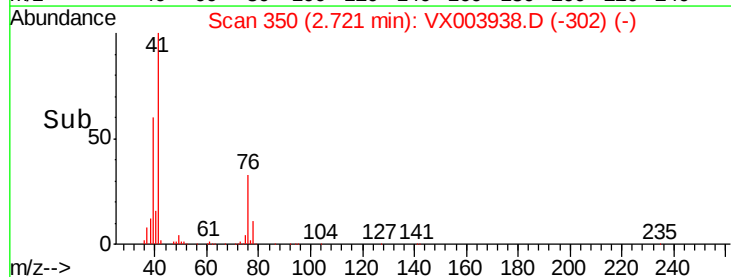
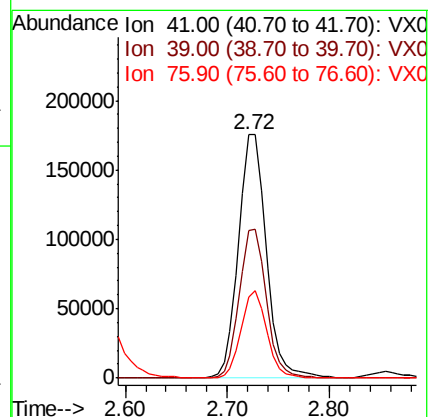
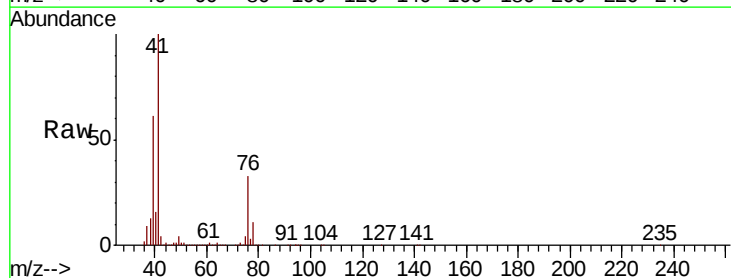
Tgt Ion: 41 Resp: 332487

Ion Ratio Lower Upper

41 100

39 59.1 47.4 71.0

76 33.1 26.0 39.0





#15

Acrylonitrile

Concen: 234.14 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX003938.D

Acq: 08 Aug 2018 21:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

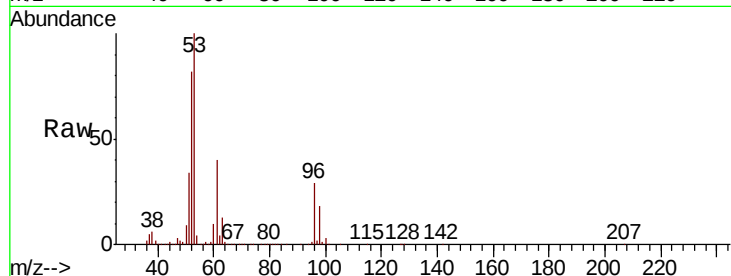
Tot Ion: 53 Resp: 626309

Ion Ratio Lower Upper

53 100

52 81.8 65.3 97.9

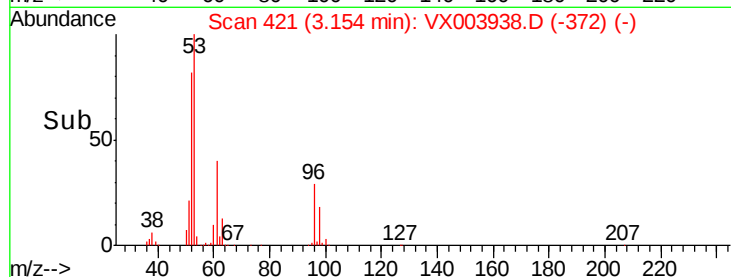
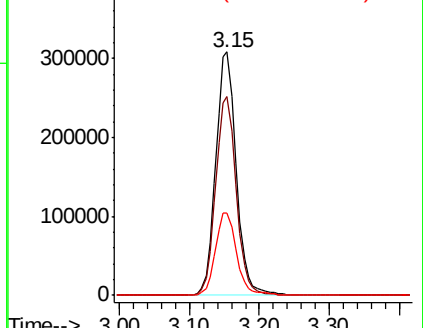
51 34.8 27.9 41.9



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 224.77 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003938.D

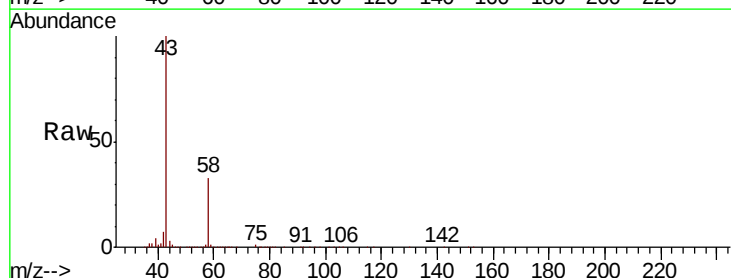
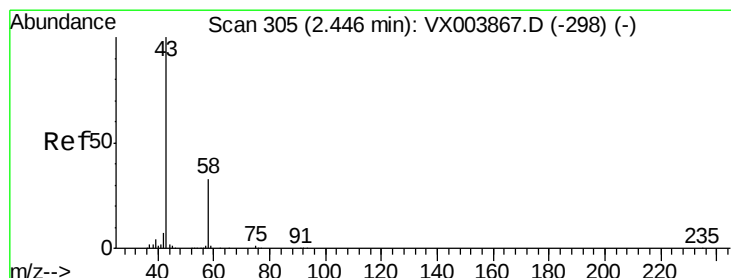
Acq: 08 Aug 2018 21:44

Tgt Ion: 43 Resp: 623835

Ion Ratio Lower Upper

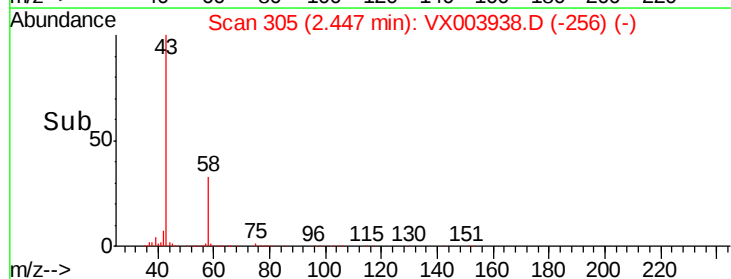
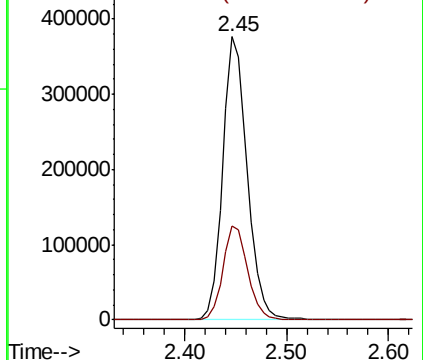
43 100

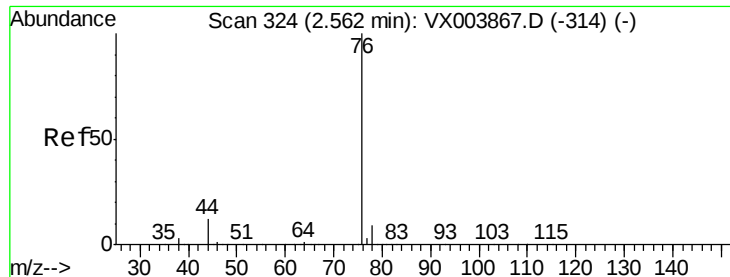
58 33.1 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

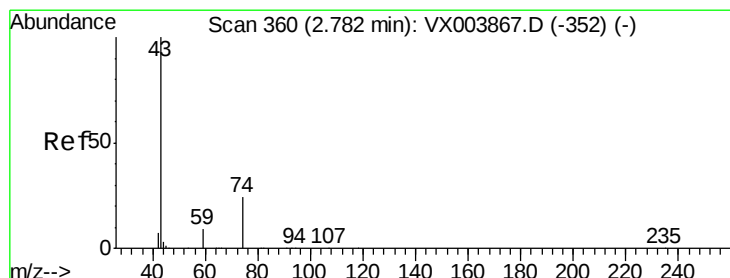
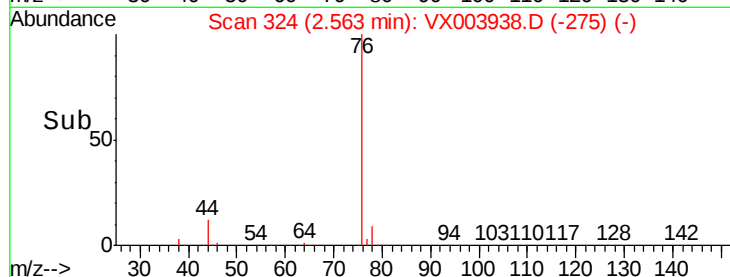
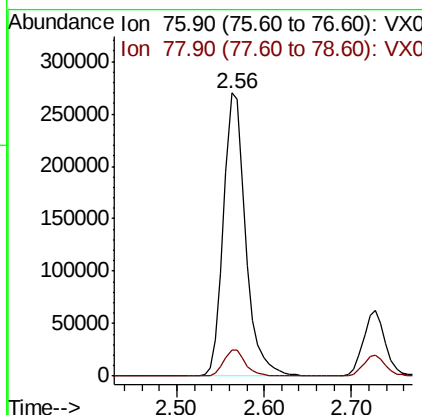
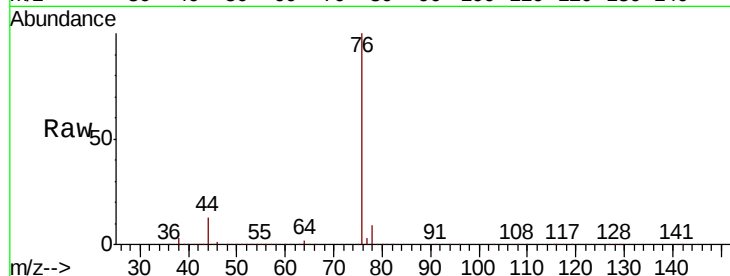




#17
Carbon Disulfide
Concen: 44.48 ug/l
RT: 2.56 min Scan# 324
Delta R.T. 0.00 min
Lab File: VX003938.D
Acq: 08 Aug 2018 21:44

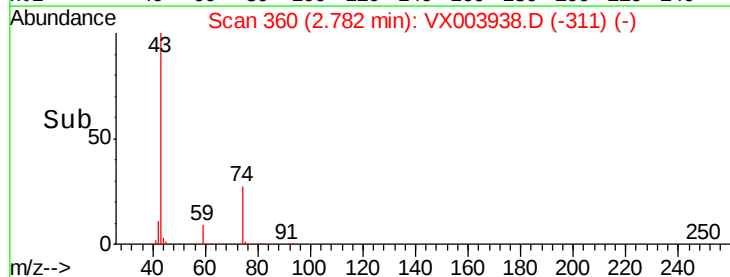
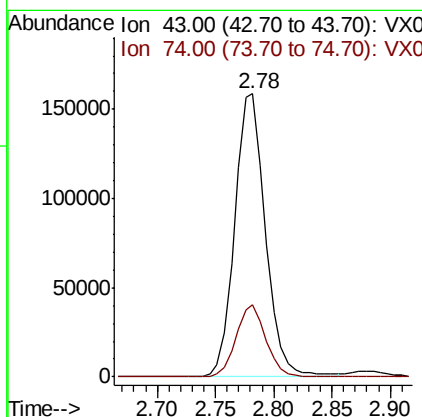
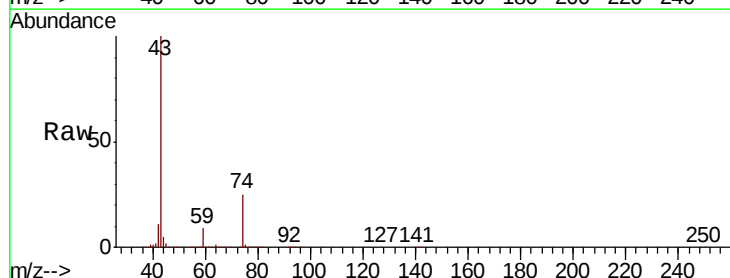
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

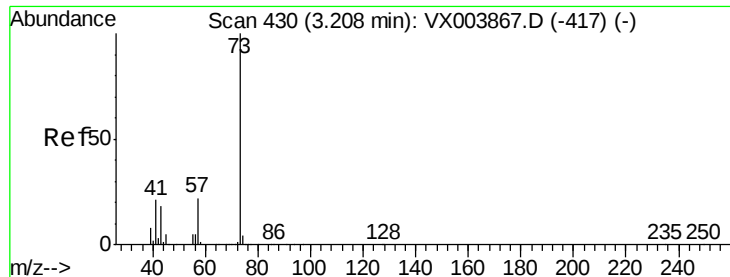
Tot Ion: 76 Resp: 475700
Ion Ratio Lower Upper
76 100
78 9.0 7.5 11.3



#18
Methyl Acetate
Concen: 47.98 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX003938.D
Acq: 08 Aug 2018 21:44

Tgt Ion: 43 Resp: 289981
Ion Ratio Lower Upper
43 100
74 24.7 18.9 28.3

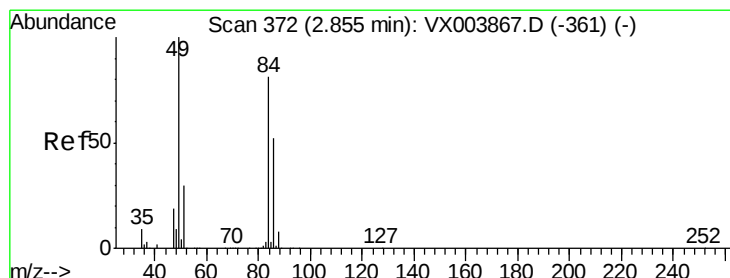
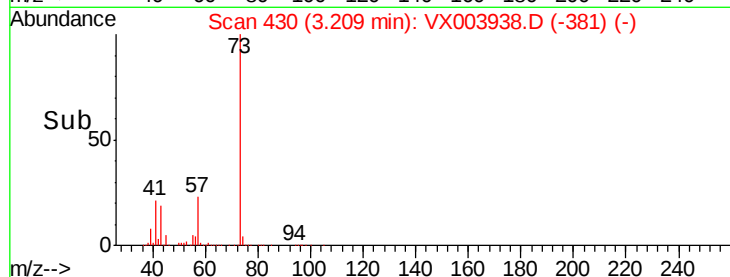
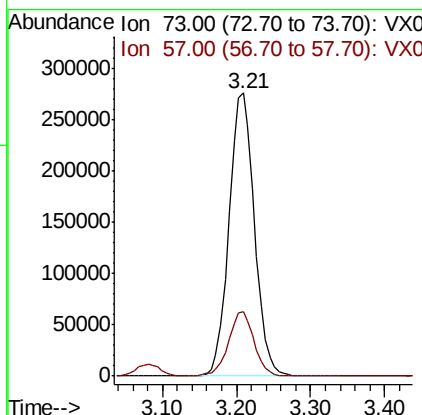
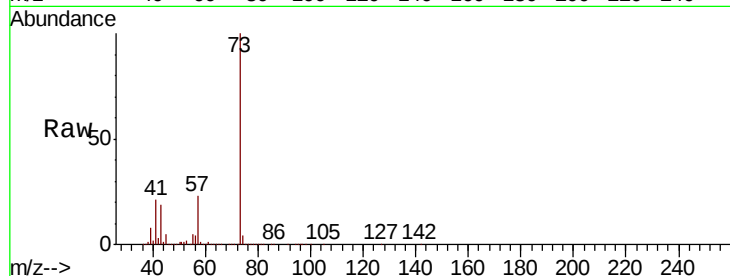




#19
Methyl tert-butyl Ether
Concen: 49.29 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX003938.D
Acq: 08 Aug 2018 21:44

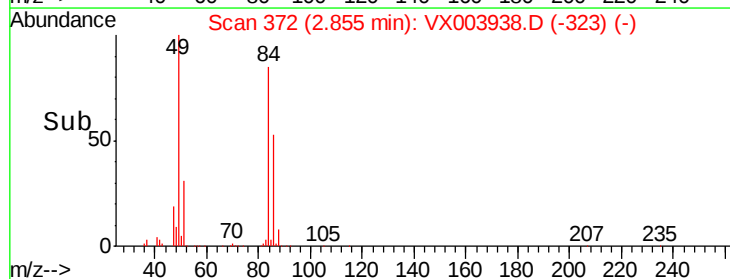
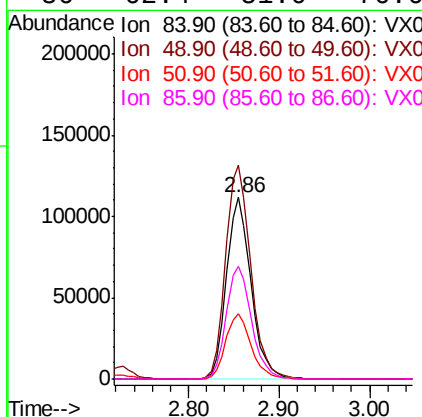
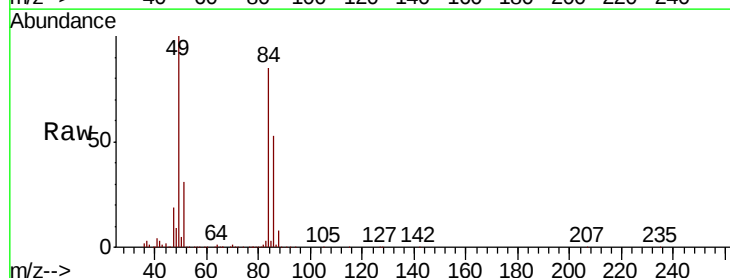
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

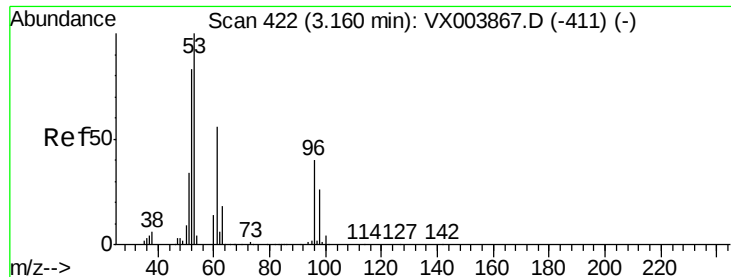
Tot Ion: 73 Resp: 659721
Ion Ratio Lower Upper
73 100
57 23.0 18.0 27.0



#20
Methylene Chloride
Concen: 47.95 ug/l
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003938.D
Acq: 08 Aug 2018 21:44

Tgt Ion: 84 Resp: 210043
Ion Ratio Lower Upper
84 100
49 117.8 98.9 148.3
51 36.1 29.9 44.9
86 62.4 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 45.91 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.00 min

Lab File: VX003938.D

Acq: 08 Aug 2018 21:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

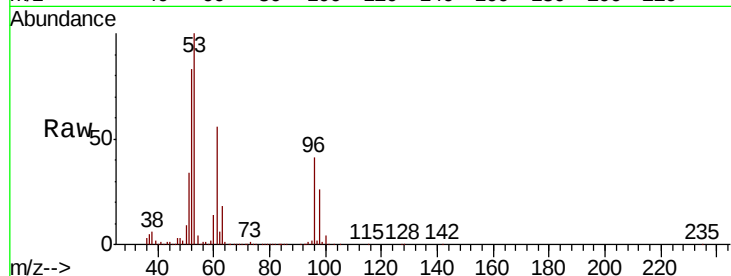
Tot Ion: 96 Resp: 196868

Ion Ratio Lower Upper

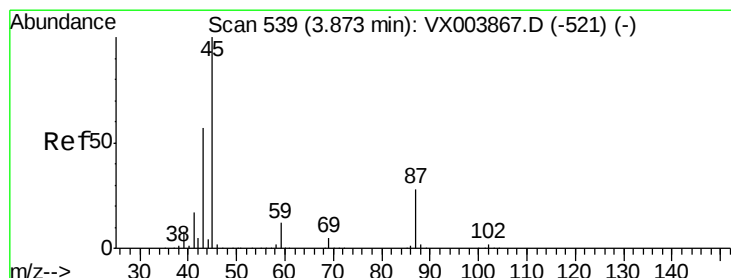
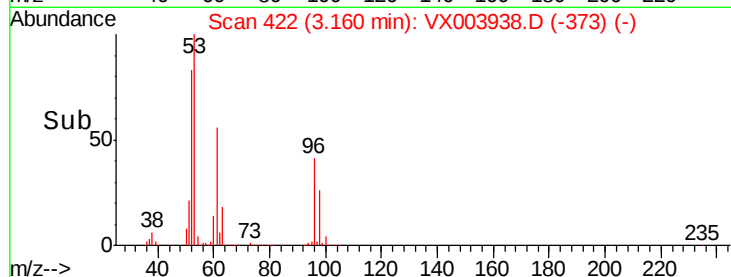
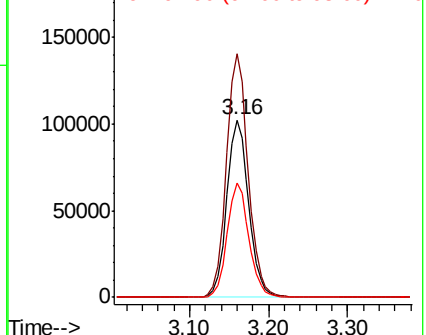
96 100

61 137.4 111.8 167.6

98 64.4 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: 47.87 ug/l

RT: 3.87 min Scan# 539

Delta R.T. 0.00 min

Lab File: VX003938.D

Acq: 08 Aug 2018 21:44

Tgt Ion: 45 Resp: 640746

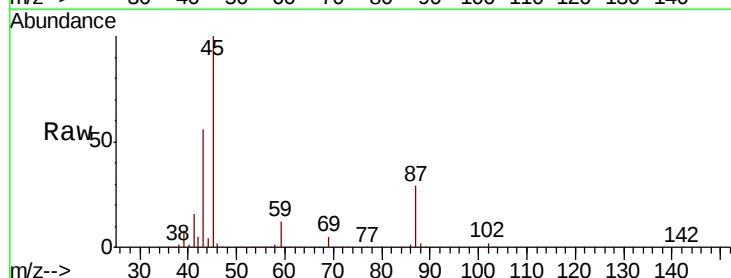
Ion Ratio Lower Upper

45 100

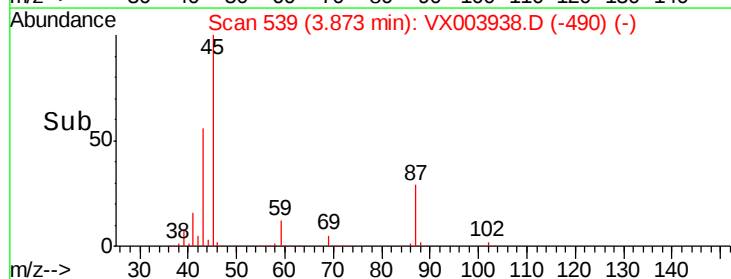
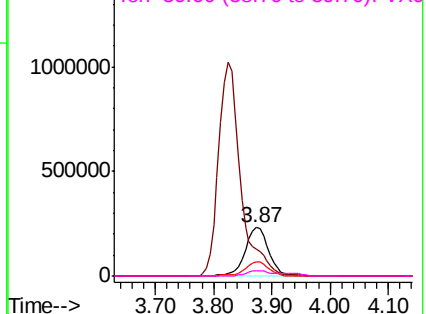
43 56.4 45.3 67.9

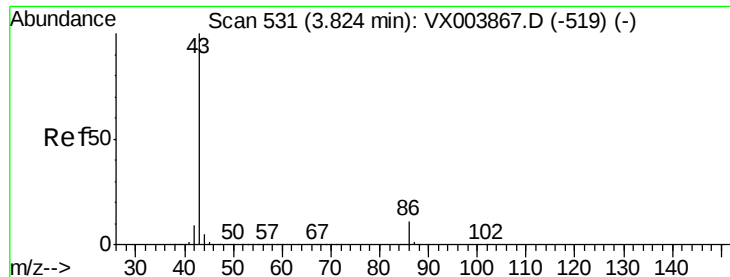
87 29.1 22.7 34.1

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: 242.72 ug/l

RT: 3.82 min Scan# 531

Delta R.T. 0.00 min

Lab File: VX003938.D

Acq: 08 Aug 2018 21:44

Instrument :

MSVOA_X

ClientSampleId :

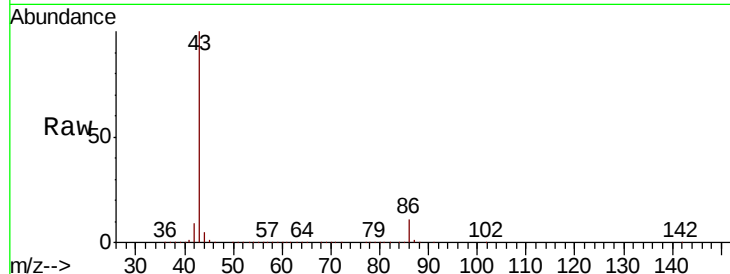
VSTDCCC050EC

Tot Ion: 43 Resp: 2703116

Ion Ratio Lower Upper

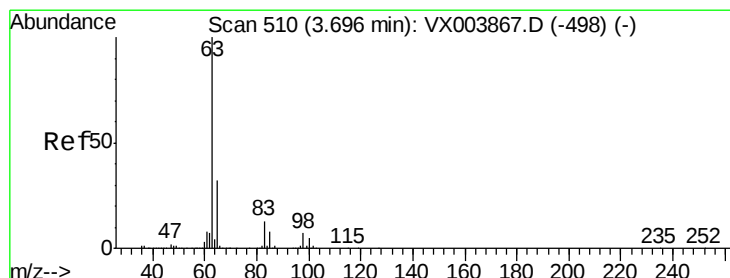
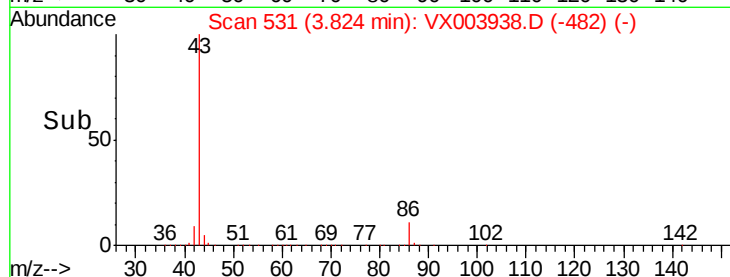
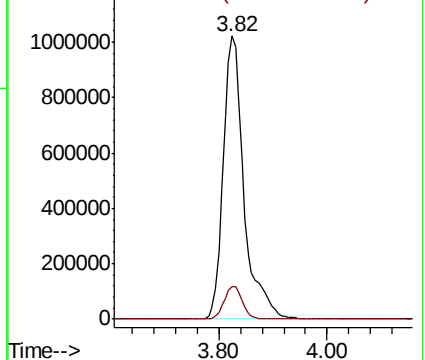
43 100

86 11.5 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 47.05 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003938.D

Acq: 08 Aug 2018 21:44

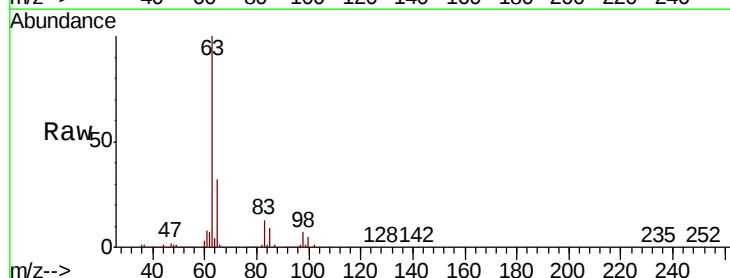
Tgt Ion: 63 Resp: 374063

Ion Ratio Lower Upper

63 100

98 7.3 3.5 10.5

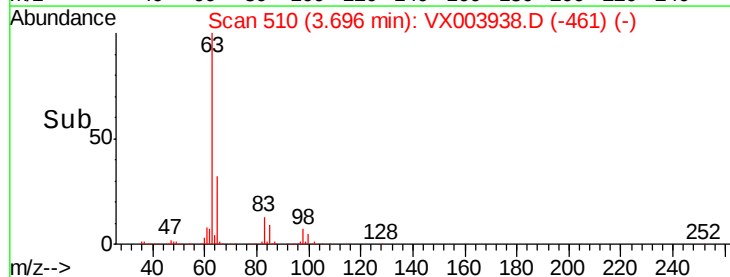
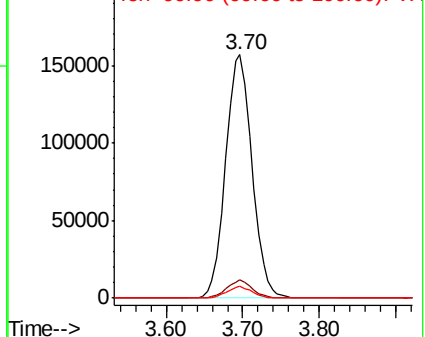
100 4.7 2.3 6.8

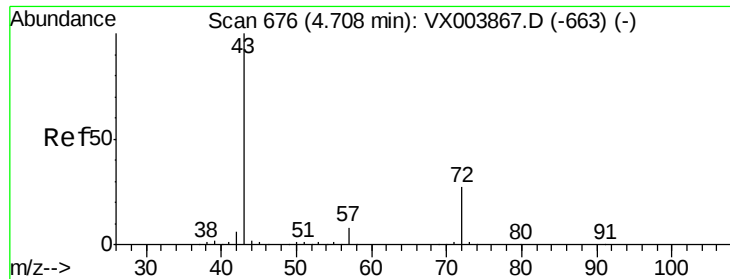


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 246.50 ug/l

RT: 4.71 min Scan# 676

Delta R.T. 0.00 min

Lab File: VX003938.D

Acq: 08 Aug 2018 21:44

Instrument :

MSVOA_X

ClientSampleId :

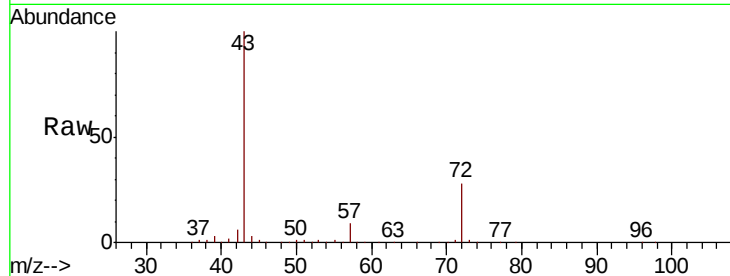
VSTDCCC050EC

Tot Ion: 43 Resp: 1028606

Ion Ratio Lower Upper

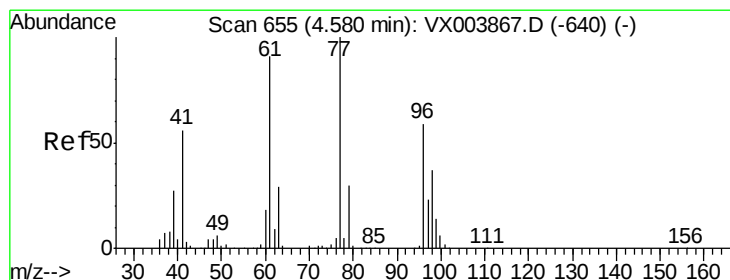
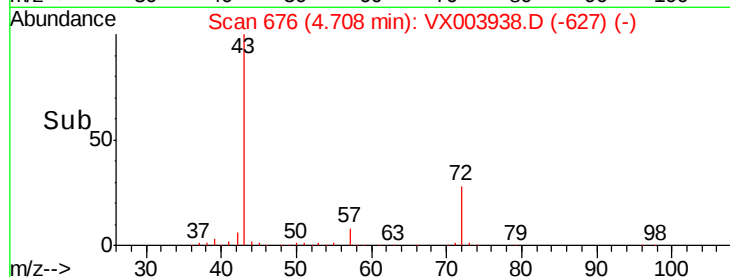
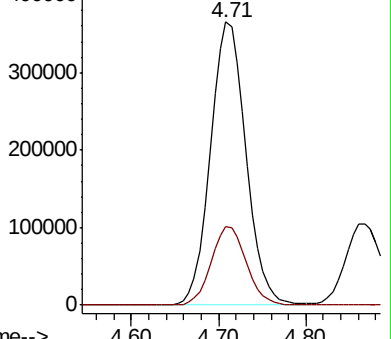
43 100

72 27.9 21.4 32.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 37.96 ug/l

RT: 4.58 min Scan# 655

Delta R.T. 0.00 min

Lab File: VX003938.D

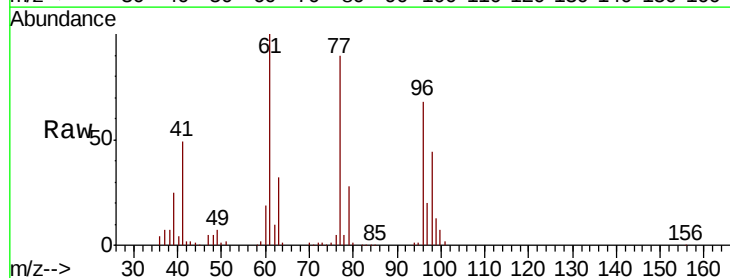
Acq: 08 Aug 2018 21:44

Tgt Ion: 77 Resp: 217653

Ion Ratio Lower Upper

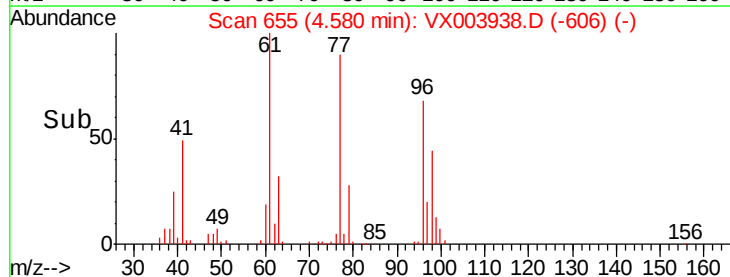
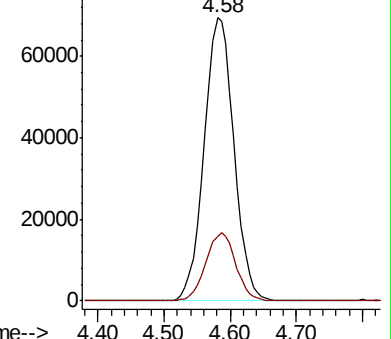
77 100

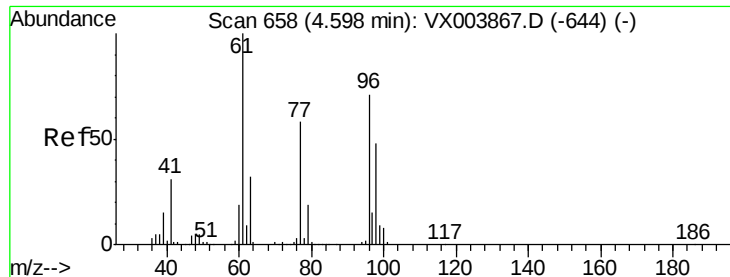
97 24.3 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

cis-1,2-Dichloroethene

Concen: 49.30 ug/l

RT: 4.60 min Scan# 658

Delta R.T. 0.00 min

Lab File: VX003938.D

Acq: 08 Aug 2018 21:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

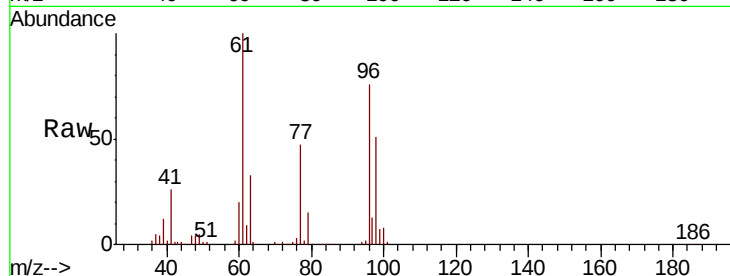
Tot Ion: 96 Resp: 229414

Ion Ratio Lower Upper

96 100

61 137.8 0.0 293.0

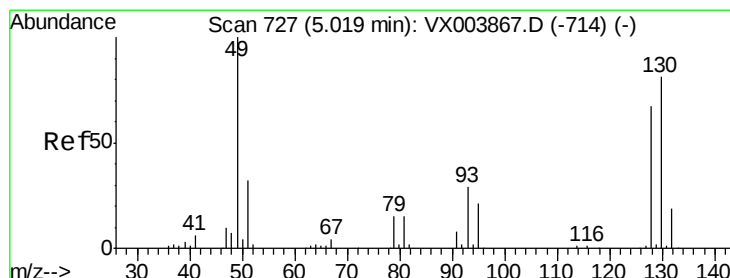
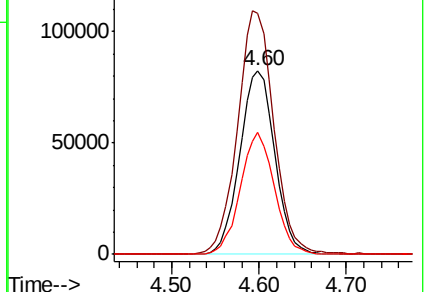
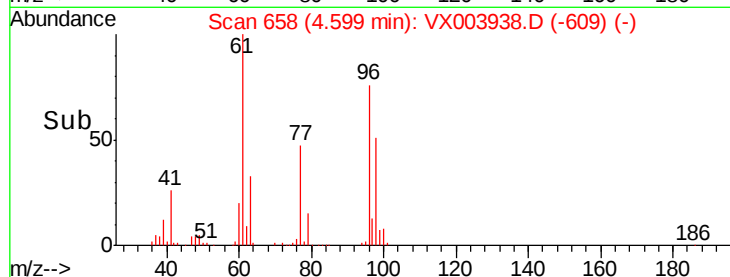
98 64.6 0.0 131.8



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: 48.64 ug/l

RT: 5.02 min Scan# 727

Delta R.T. 0.00 min

Lab File: VX003938.D

Acq: 08 Aug 2018 21:44

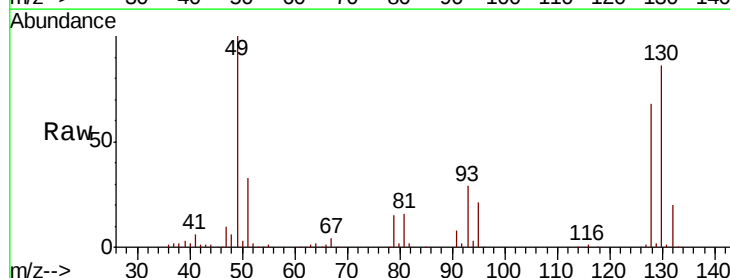
Tgt Ion: 49 Resp: 165505

Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.2

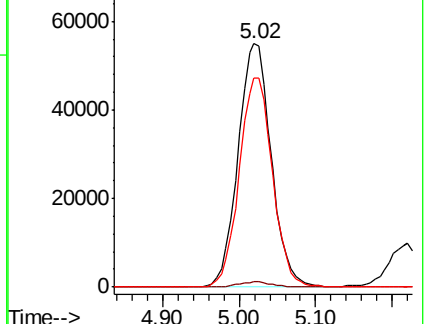
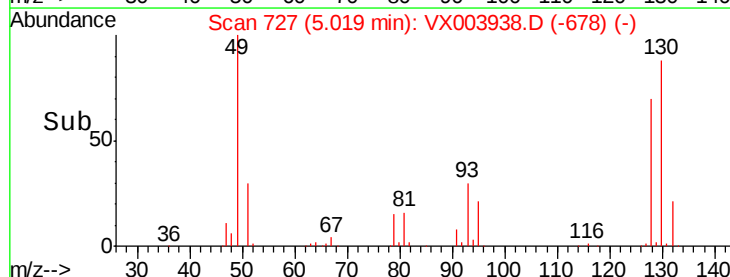
130 86.1 66.5 99.7

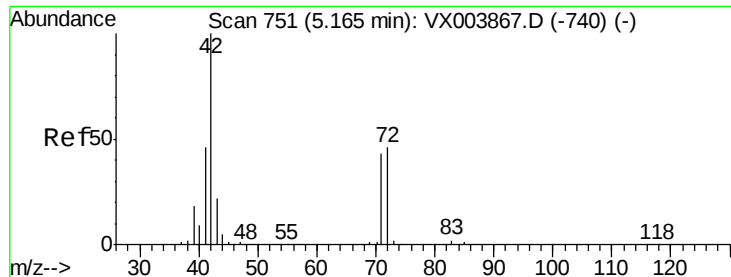


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 242.64 ug/l

RT: 5.17 min Scan# 751

Delta R.T. 0.00 min

Lab File: VX003938.D

Acq: 08 Aug 2018 21:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

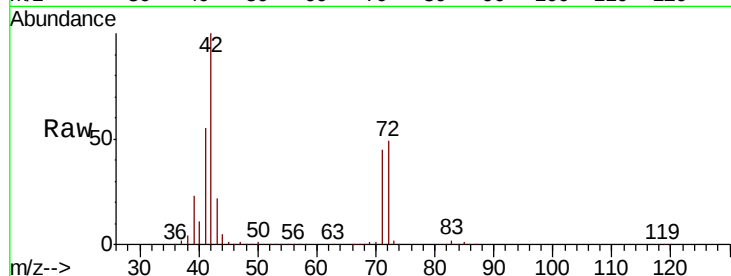
Tot Ion: 42 Resp: 520405

Ion Ratio Lower Upper

42 100

72 48.0 37.7 56.5

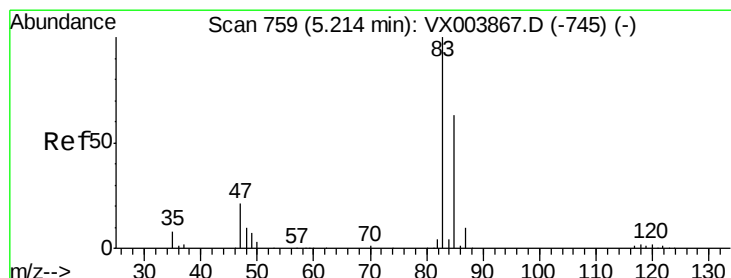
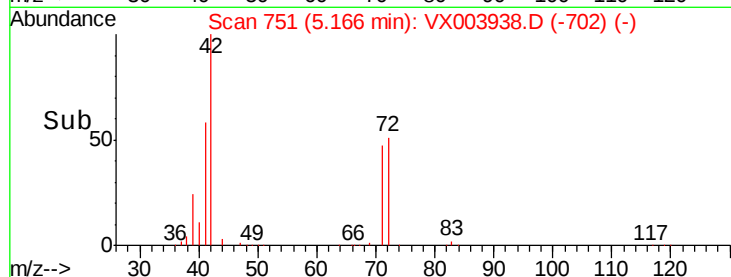
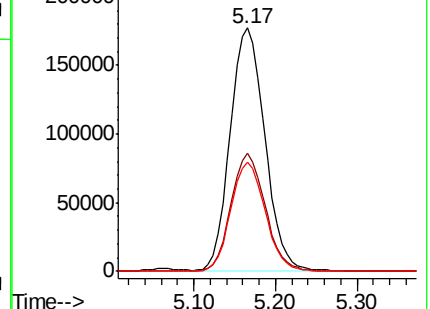
71 44.6 35.0 52.6



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 48.46 ug/l

RT: 5.21 min Scan# 759

Delta R.T. 0.00 min

Lab File: VX003938.D

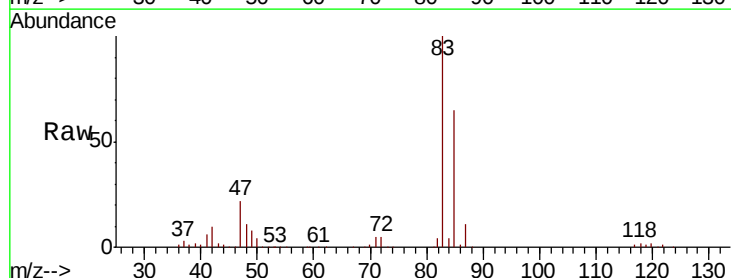
Acq: 08 Aug 2018 21:44

Tgt Ion: 83 Resp: 362736

Ion Ratio Lower Upper

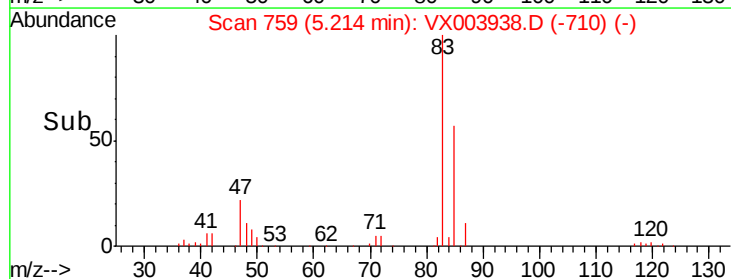
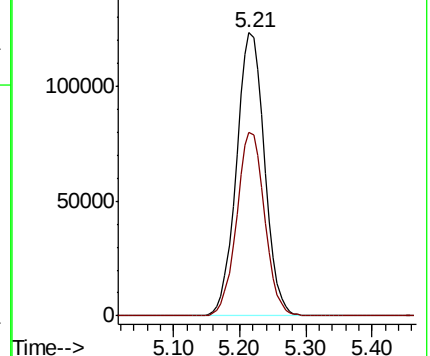
83 100

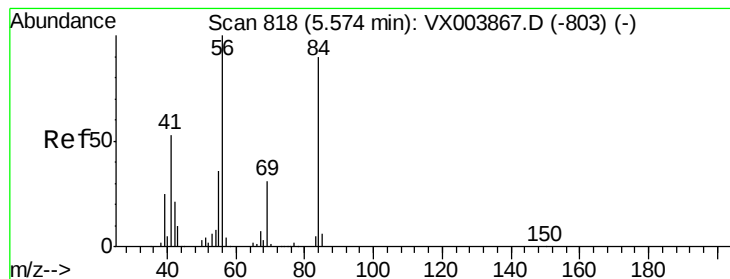
85 64.8 50.7 76.1



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 48.35 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX003938.D

Acq: 08 Aug 2018 21:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

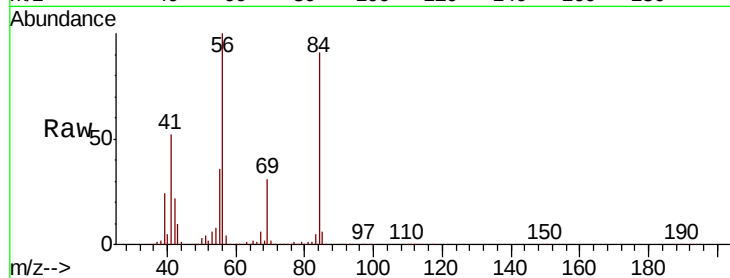
Tot Ion: 56 Resp: 325092

Ion Ratio Lower Upper

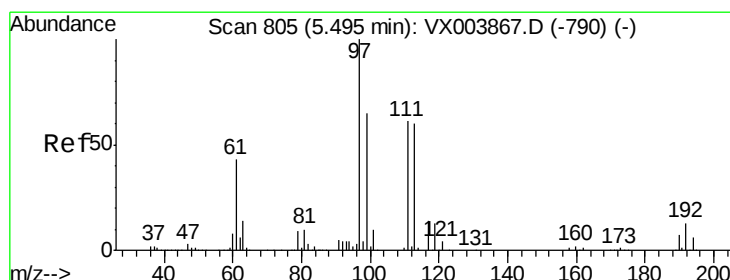
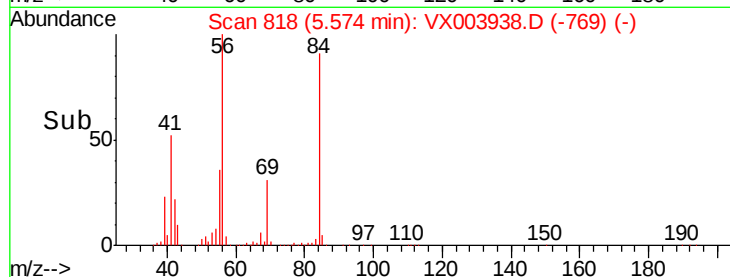
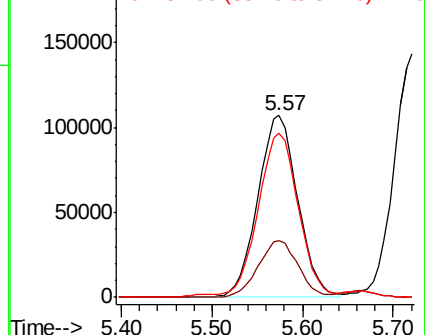
56 100

69 31.4 24.9 37.3

84 89.5 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: 49.96 ug/l

RT: 5.49 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX003938.D

Acq: 08 Aug 2018 21:44

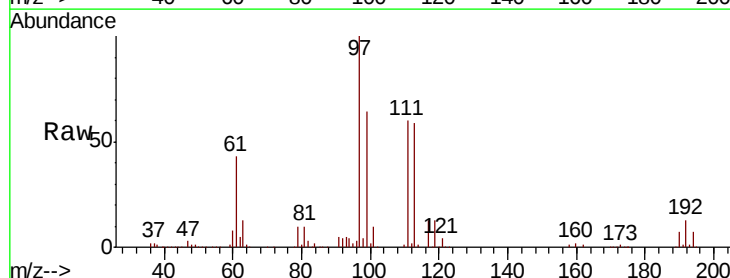
Tgt Ion: 97 Resp: 313608

Ion Ratio Lower Upper

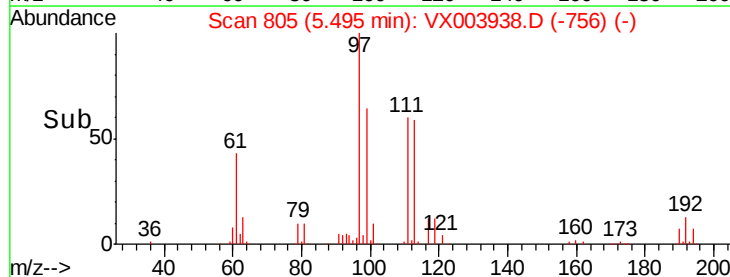
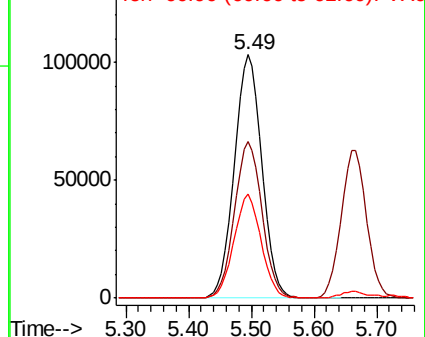
97 100

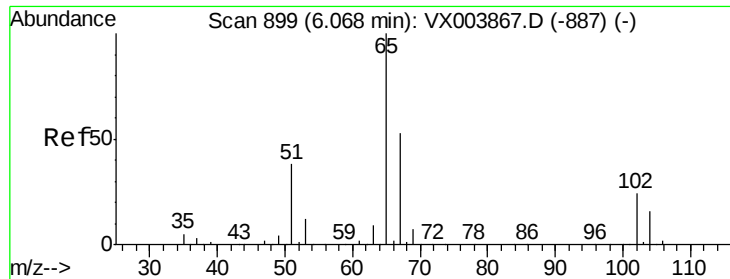
99 64.3 51.8 77.8

61 42.2 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

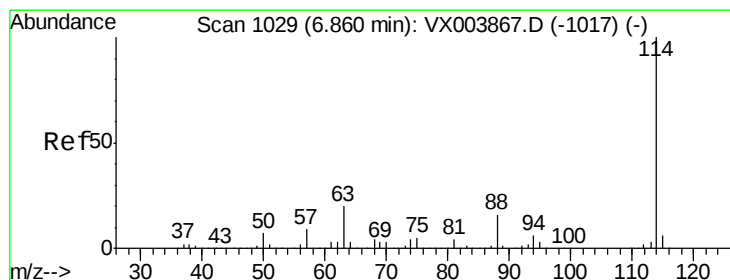
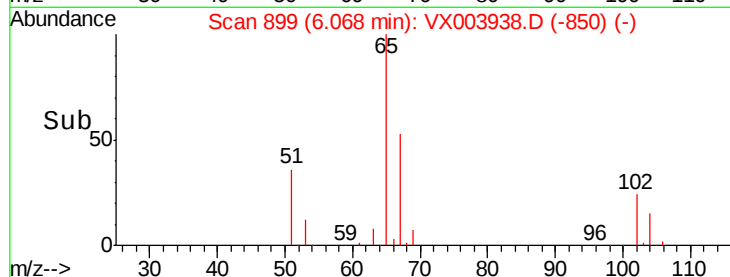
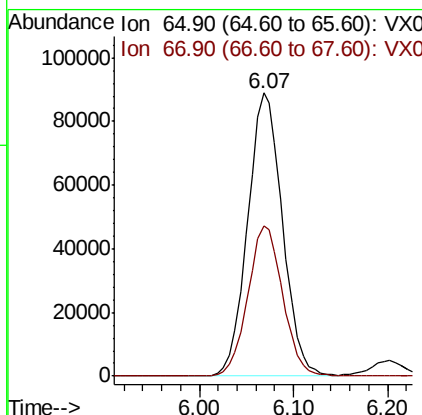
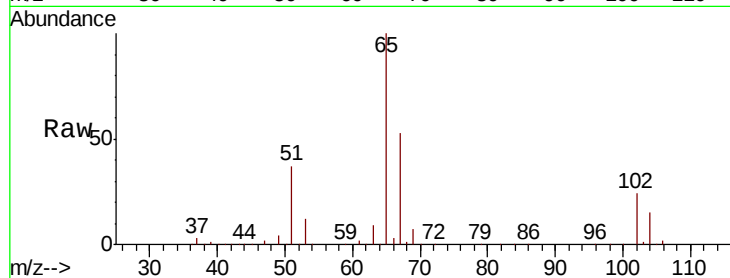




#33
 1,2-Dichloroethane-d4
 Concen: 49.37 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VX003938.D
 Acq: 08 Aug 2018 21:44

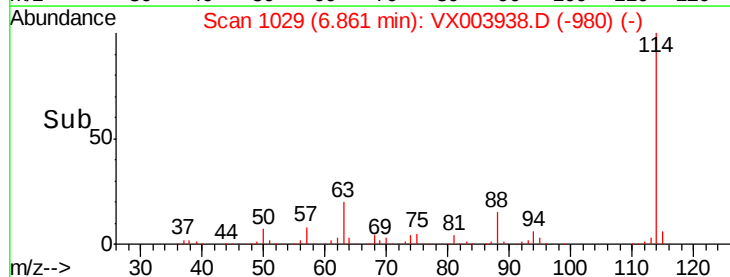
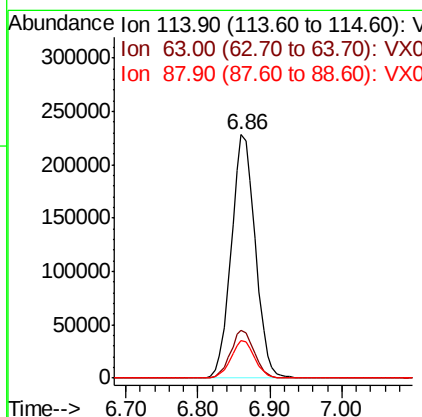
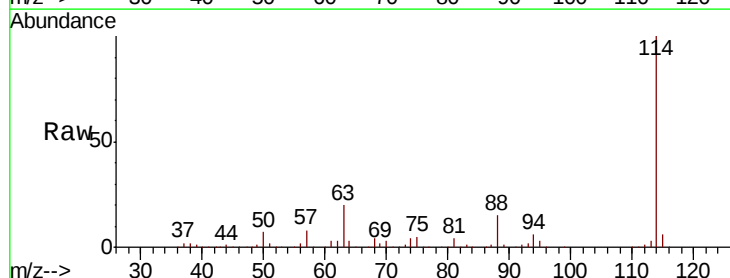
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

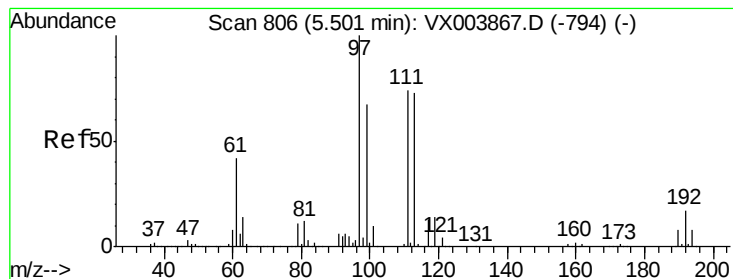
Tot Ion: 65 Resp: 230317
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. 0.00 min
 Lab File: VX003938.D
 Acq: 08 Aug 2018 21:44

Tgt Ion: 114 Resp: 528926
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.0
 88 15.3 0.0 32.0





#35

Dibromofluoromethane

Concen: 48.61 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.01 min

Lab File: VX003938.D

Acq: 08 Aug 2018 21:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

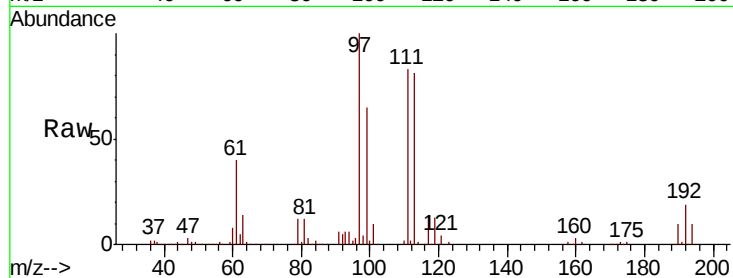
Tot Ion:113 Resp: 194790

Ion Ratio Lower Upper

113 100

111 102.0 82.0 123.0

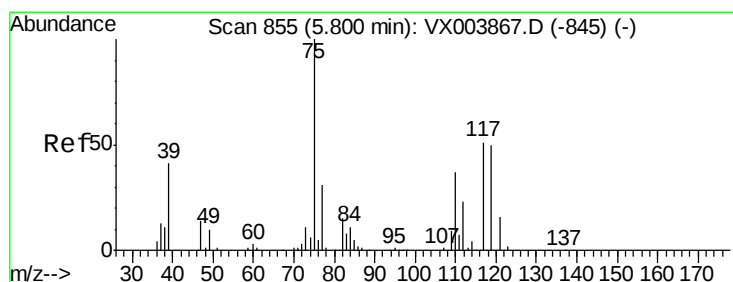
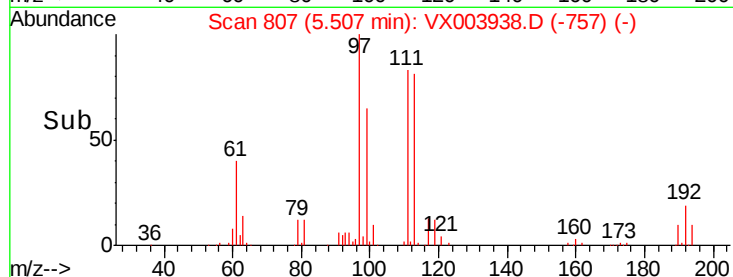
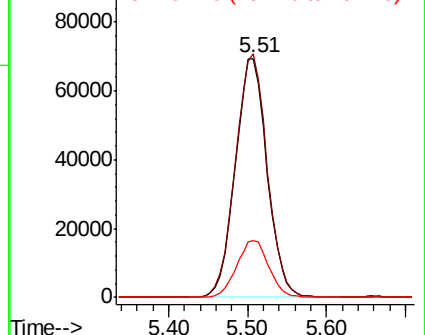
192 23.9 19.0 28.4



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 46.80 ug/l

RT: 5.80 min Scan# 855

Delta R.T. 0.00 min

Lab File: VX003938.D

Acq: 08 Aug 2018 21:44

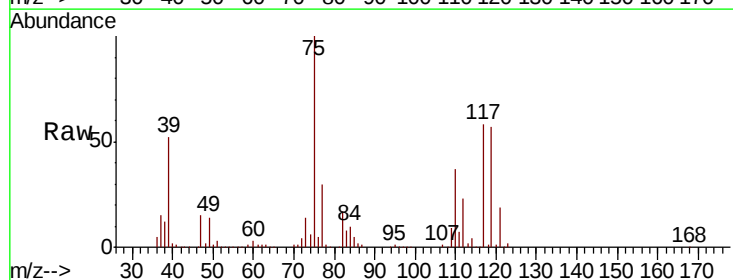
Tgt Ion: 75 Resp: 277217

Ion Ratio Lower Upper

75 100

110 36.5 18.2 54.6

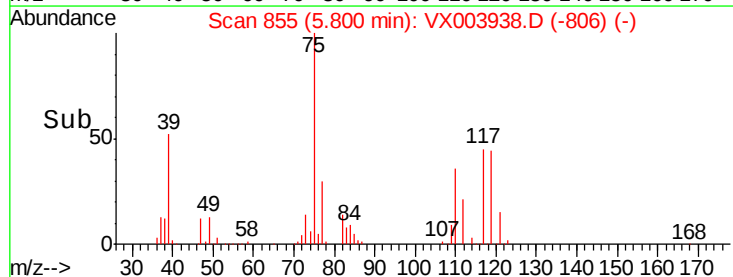
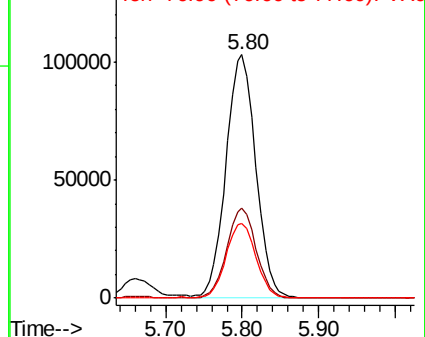
77 30.9 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

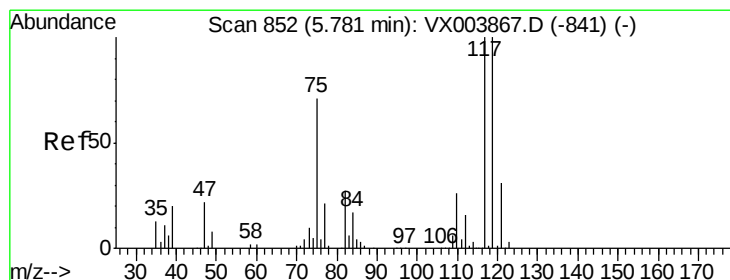
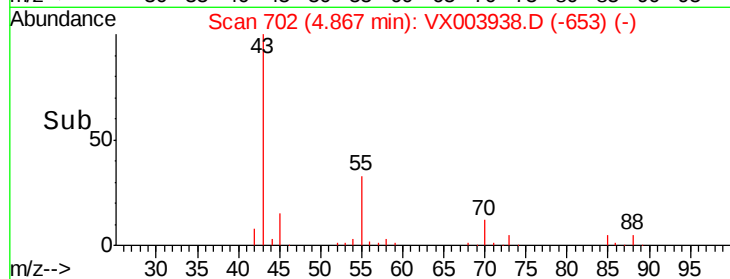
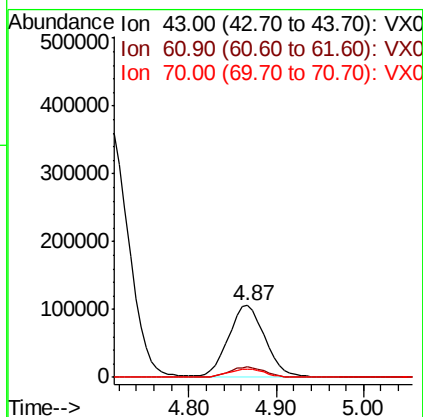
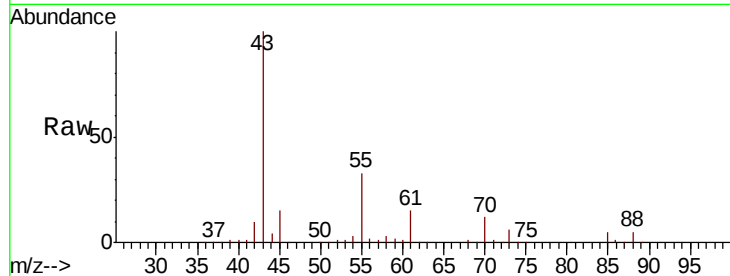




#37
Ethyl Acetate
Concen: 47.28 ug/l
RT: 4.87 min Scan# 702
Delta R.T. 0.00 min
Lab File: VX003938.D
Acq: 08 Aug 2018 21:44

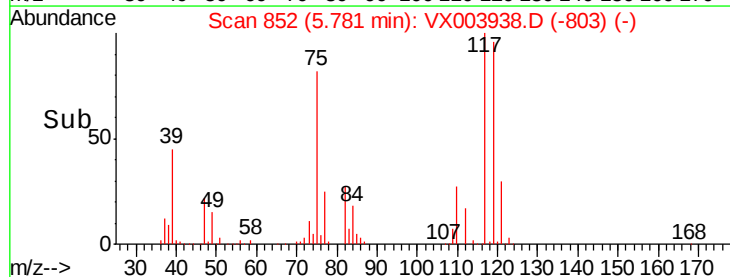
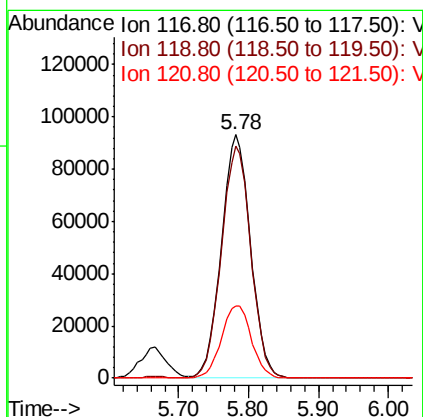
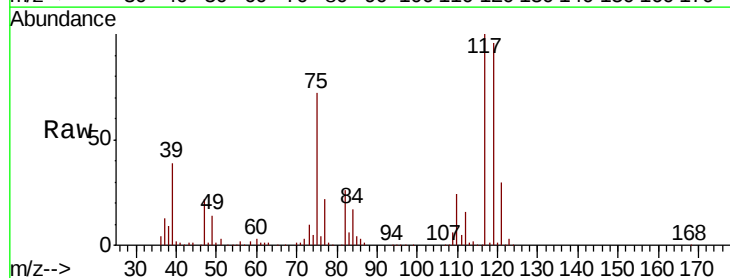
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

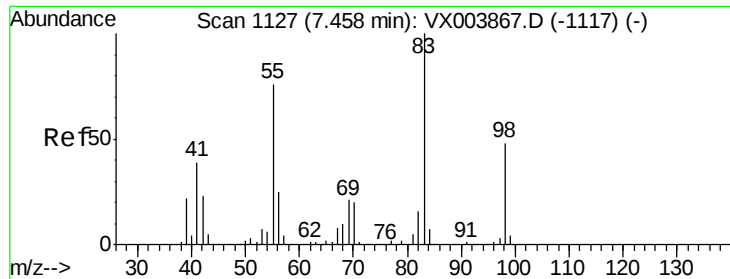
Tot Ion: 43 Resp: 308080
Ion Ratio Lower Upper
43 100
61 14.5 11.5 17.3
70 11.6 9.0 13.4



#38
Carbon Tetrachloride
Concen: 47.69 ug/l
RT: 5.78 min Scan# 852
Delta R.T. 0.00 min
Lab File: VX003938.D
Acq: 08 Aug 2018 21:44

Tgt Ion: 117 Resp: 268917
Ion Ratio Lower Upper
117 100
119 95.5 79.5 119.3
121 29.8 25.0 37.4

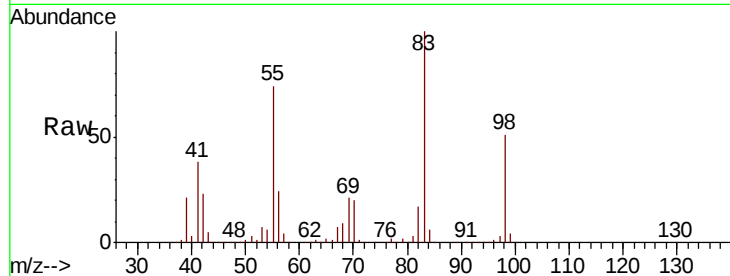




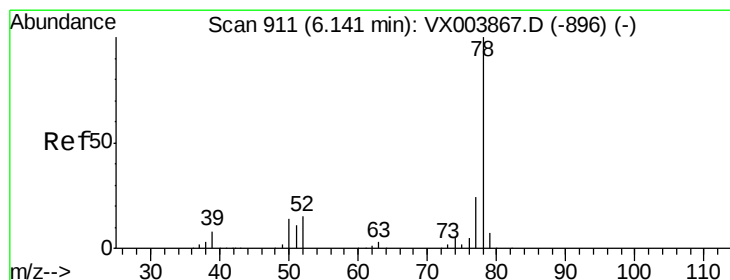
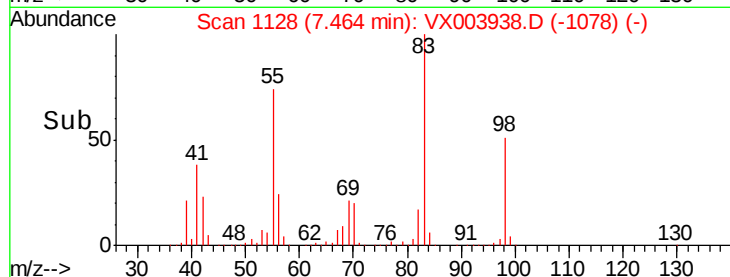
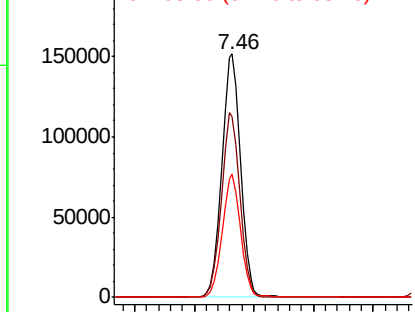
#39
Methvlcvclohexane
Concen: 47.81 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VX003938.D
Acq: 08 Aug 2018 21:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 333960
Ion Ratio Lower Upper
83 100
55 74.4 61.0 91.6
98 50.5 38.6 57.8

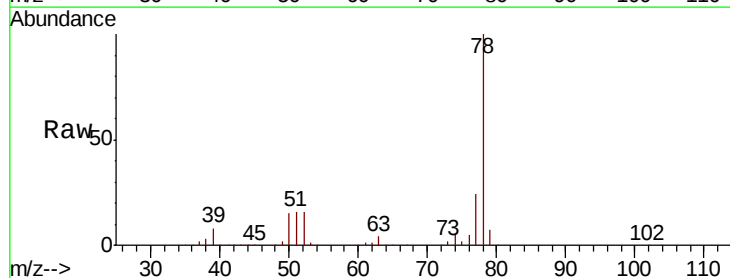


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

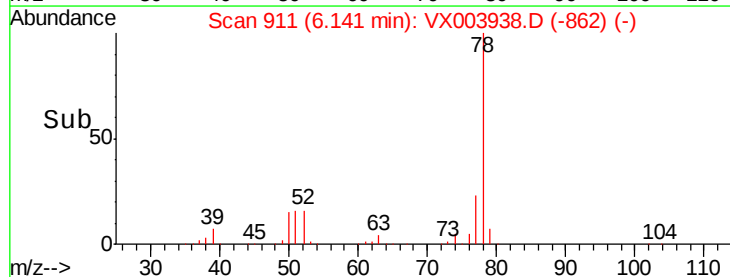
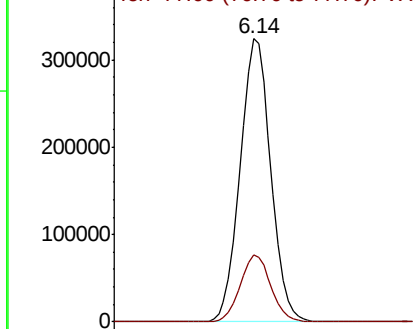


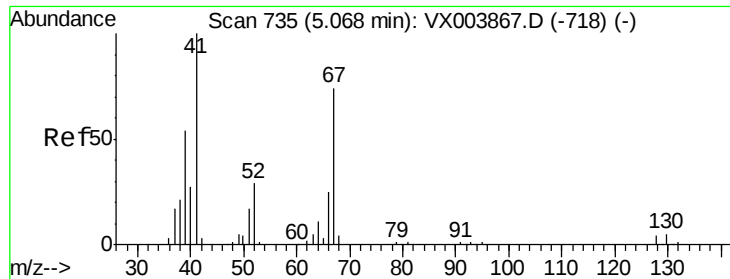
#40
Benzene
Concen: 47.43 ug/l
RT: 6.14 min Scan# 911
Delta R.T. 0.00 min
Lab File: VX003938.D
Acq: 08 Aug 2018 21:44

Tgt Ion: 78 Resp: 843676
Ion Ratio Lower Upper
78 100
77 23.6 19.0 28.4



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

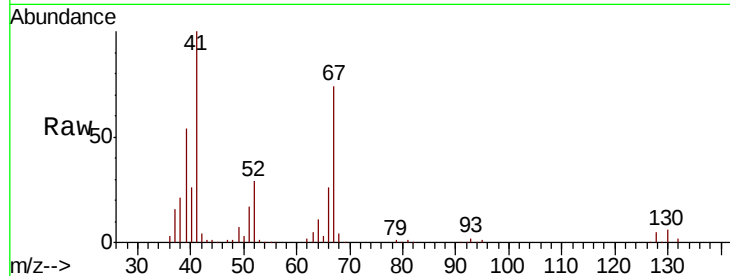




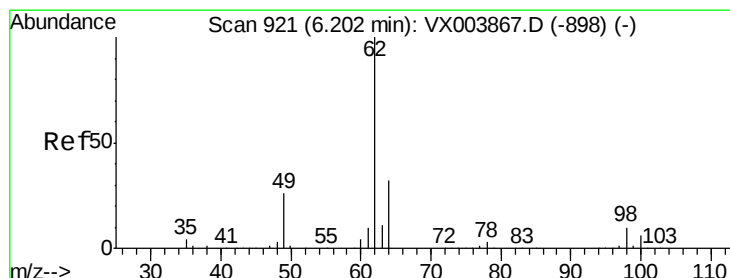
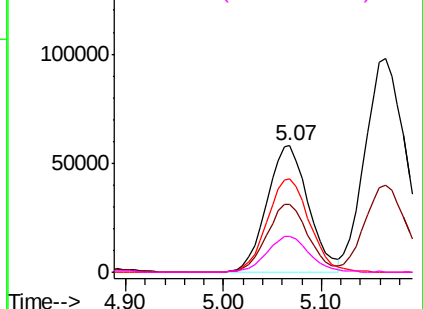
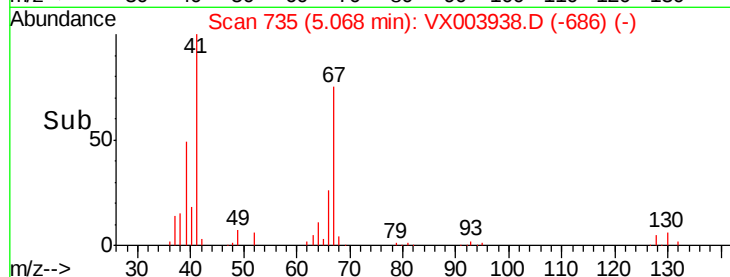
#41
Methacrylonitrile
Concen: 47.92 ug/l
RT: 5.07 min Scan# 735
Delta R.T. 0.00 min
Lab File: VX003938.D
Acq: 08 Aug 2018 21:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	171991
Ion	Ratio	Lower	Upper
41	100		
39	53.6	42.7	64.1
67	75.1	58.9	88.3
52	28.5	22.6	33.8

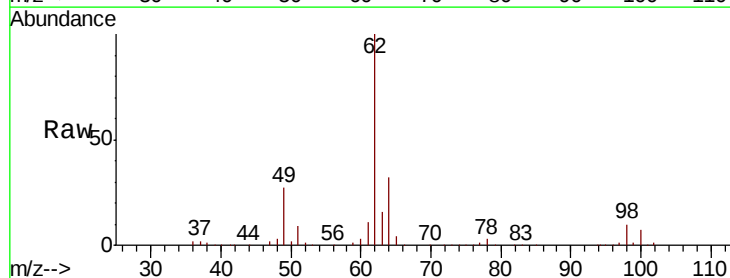


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

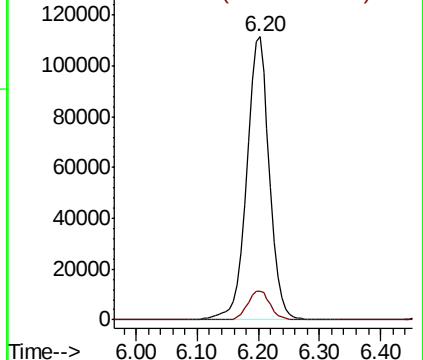
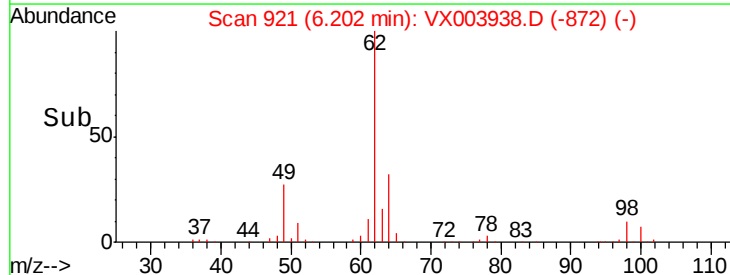


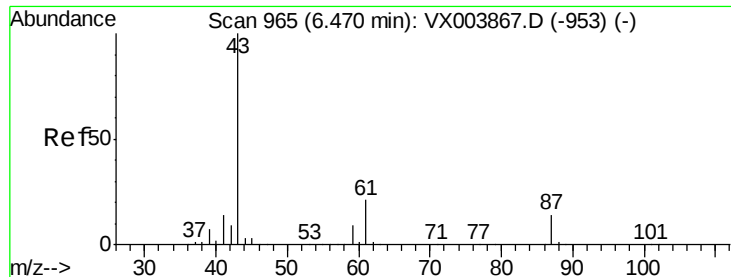
#42
1,2-Dichloroethane
Concen: 47.69 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX003938.D
Acq: 08 Aug 2018 21:44

Tgt Ion:	62	Resp:	286858
Ion	Ratio	Lower	Upper
62	100		
98	10.3	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: 49.37 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX003938.D

Acq: 08 Aug 2018 21:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

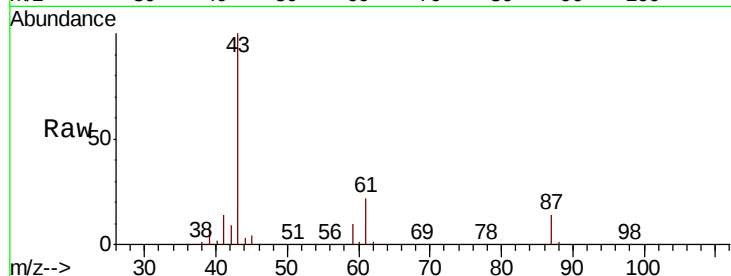
Tot Ion: 43 Resp: 484104

Ion Ratio Lower Upper

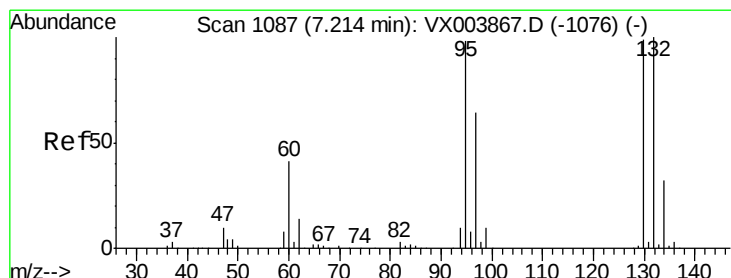
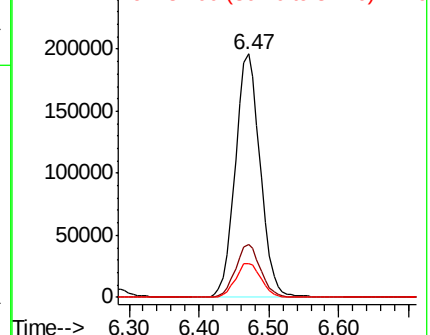
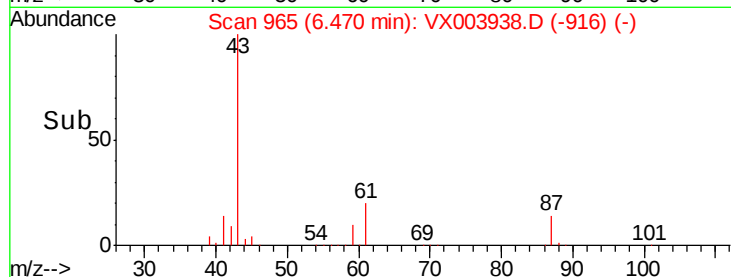
43 100

61 21.7 16.9 25.3

87 14.4 11.3 16.9



Abundance Ion 43.00 (42.70 to 43.70): VX003938.D (-916) (-)



#44

Trichloroethene

Concen: 46.59 ug/l

RT: 7.21 min Scan# 1087

Delta R.T. 0.00 min

Lab File: VX003938.D

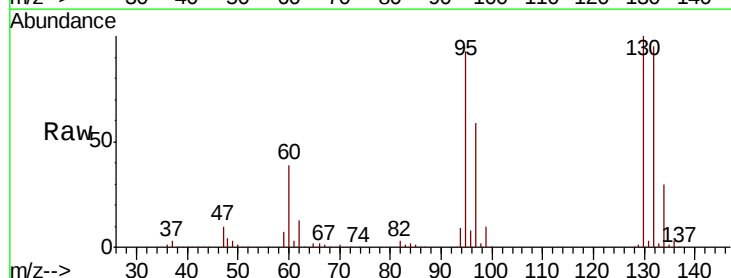
Acq: 08 Aug 2018 21:44

Tgt Ion:130 Resp: 226636

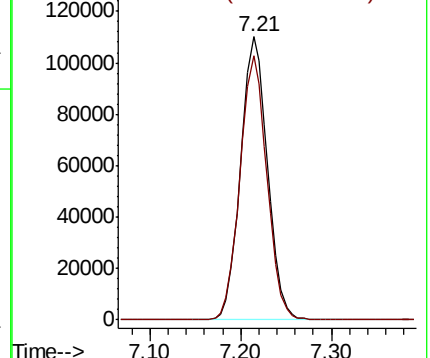
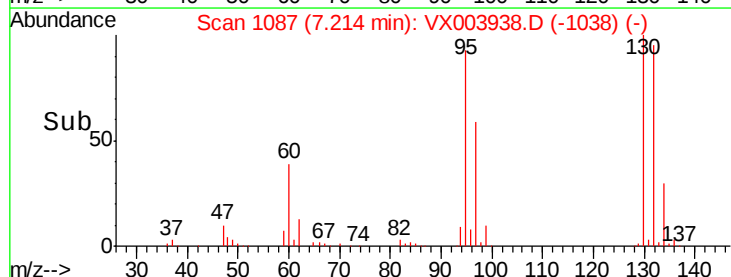
Ion Ratio Lower Upper

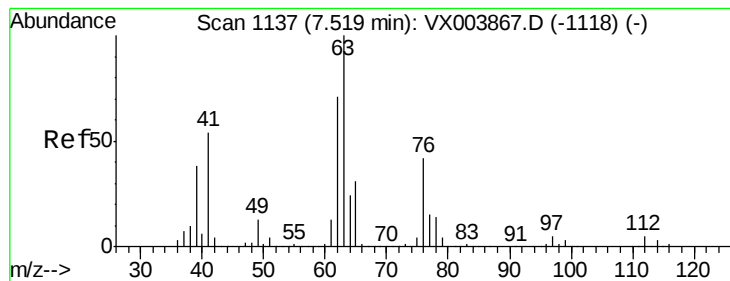
130 100

95 93.3 0.0 199.4



Abundance Ion 129.80 (129.50 to 130.50): VX003938.D (-1038) (-)





#45

1,2-Dichloropropane

Concen: 47.28 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VX003938.D

Acq: 08 Aug 2018 21:44

Instrument :

MSVOA_X

ClientSampleId :

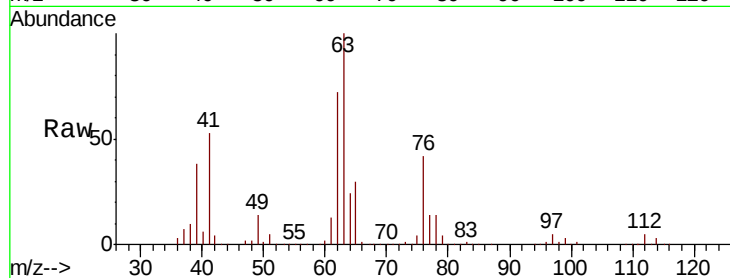
VSTDCCC050EC

Tot Ion: 63 Resp: 217164

Ion Ratio Lower Upper

63 100

65 29.9 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.52

120000

100000

80000

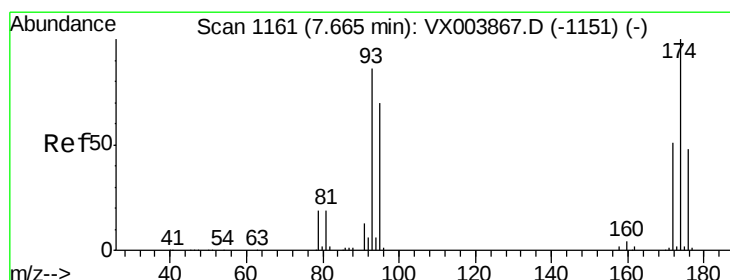
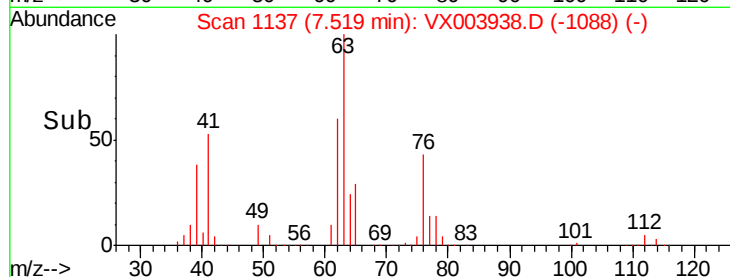
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 47.06 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VX003938.D

Acq: 08 Aug 2018 21:44

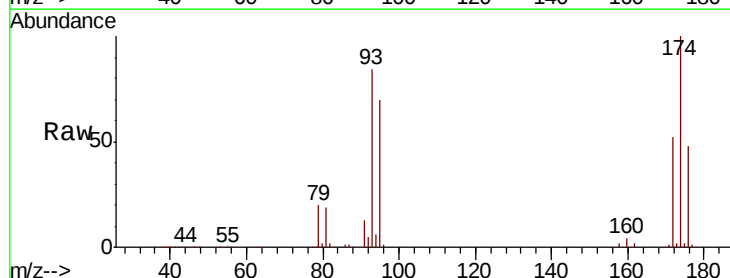
Tgt Ion: 93 Resp: 140359

Ion Ratio Lower Upper

93 100

95 84.1 66.4 99.6

174 119.6 94.3 141.5



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

120000

100000

80000

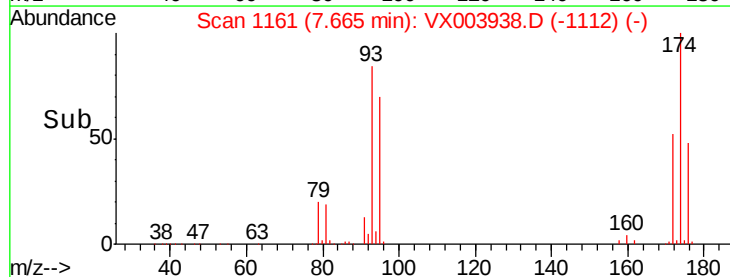
60000

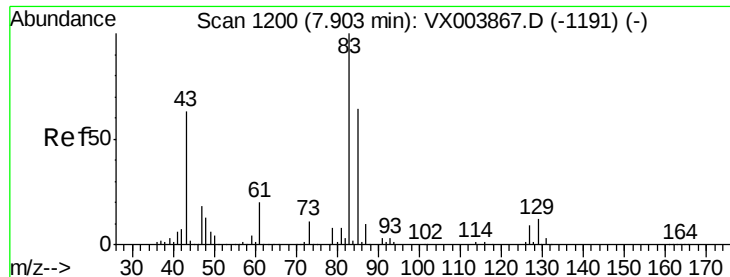
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 47.86 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003938.D

Acq: 08 Aug 2018 21:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

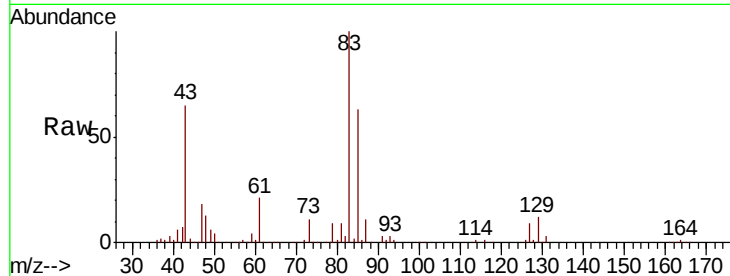
Tot Ion: 83 Resp: 268907

Ion Ratio Lower Upper

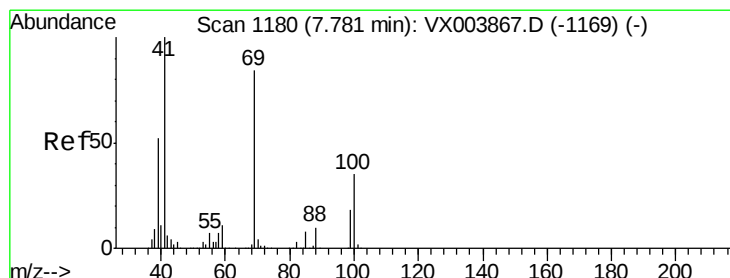
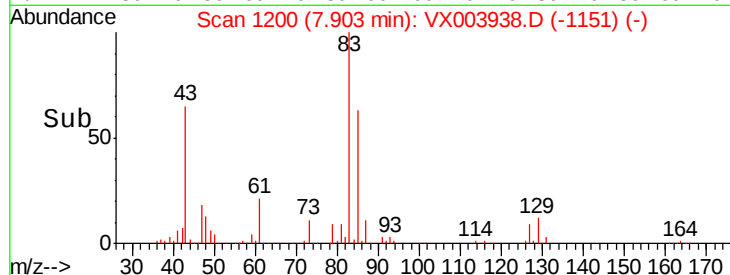
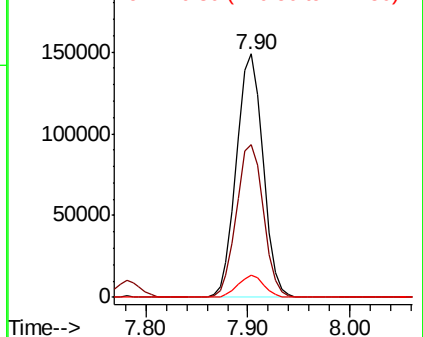
83 100

85 62.8 51.2 76.8

127 9.0 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: 50.13 ug/l

RT: 7.78 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VX003938.D

Acq: 08 Aug 2018 21:44

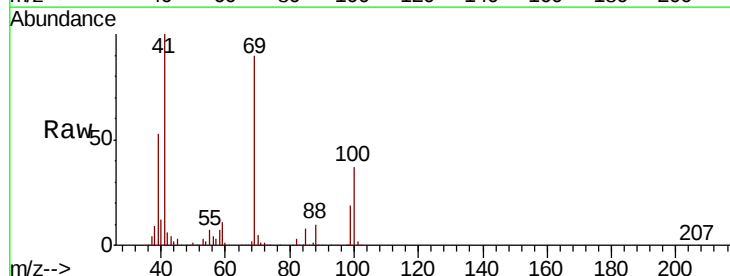
Tgt Ion: 41 Resp: 249893

Ion Ratio Lower Upper

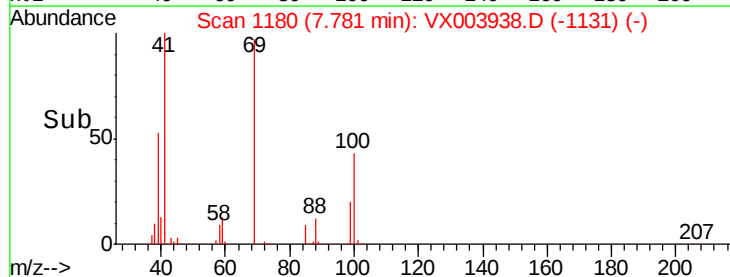
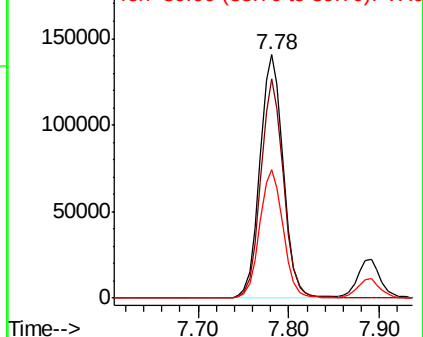
41 100

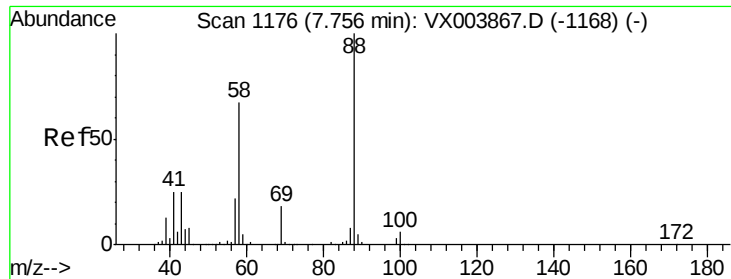
69 88.4 68.8 103.2

39 52.9 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



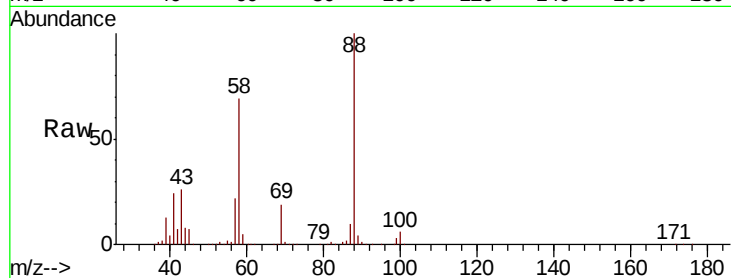


#49
 1,4-Dioxane
 Concen: 1016.61 ug/l
 RT: 7.76 min Scan# 1176
 Delta R.T. 0.00 min
 Lab File: VX003938.D
 Acq: 08 Aug 2018 21:44

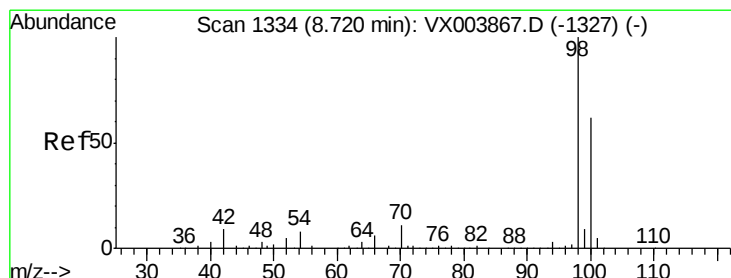
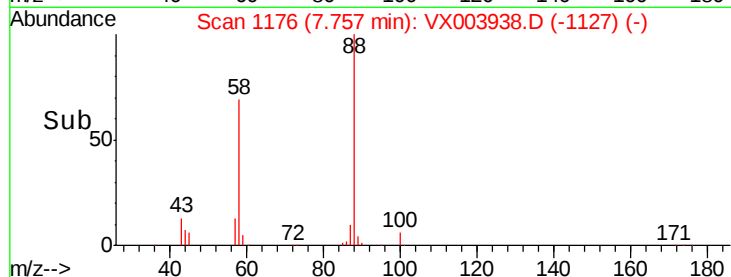
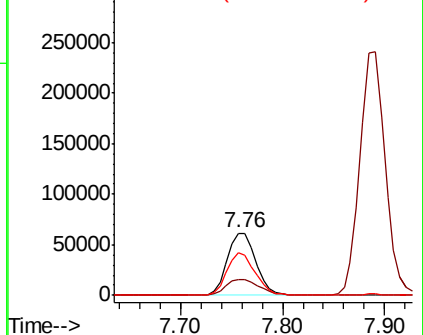
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 88 Resp: 119379

Ion	Ratio	Lower	Upper
88	100		
43	29.6	23.8	35.8
58	68.0	55.4	83.0



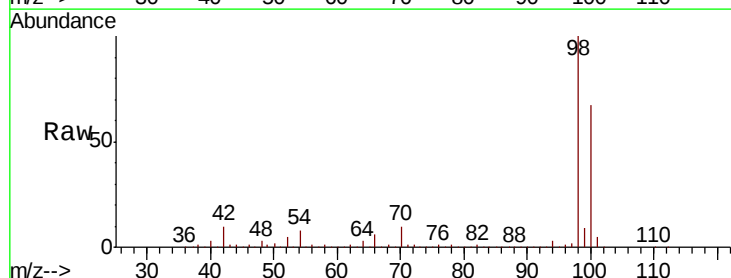
Abundance Ion 88.00 (87.70 to 88.70): VX0
 Ion 43.00 (42.70 to 43.70): VX0
 Ion 58.00 (57.70 to 58.70): VX0



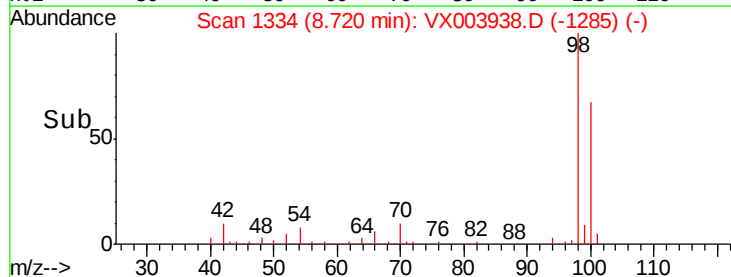
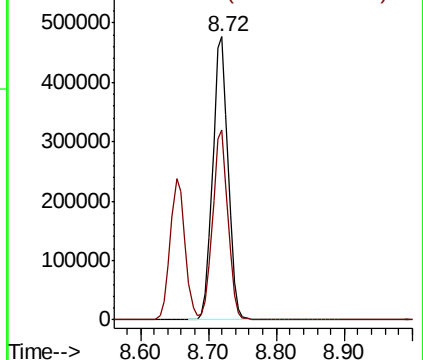
#50
 Toluene-d8
 Concen: 47.96 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: VX003938.D
 Acq: 08 Aug 2018 21:44

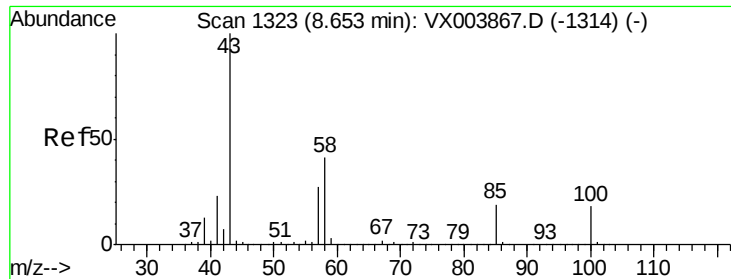
Tgt Ion: 98 Resp: 747254

Ion	Ratio	Lower	Upper
98	100		
100	66.6	53.3	79.9



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

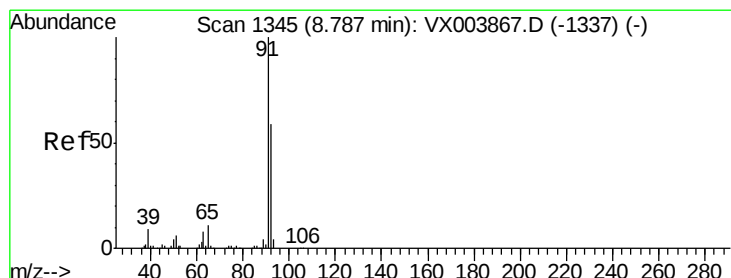
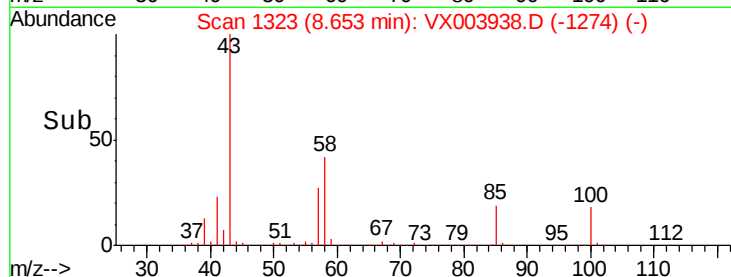
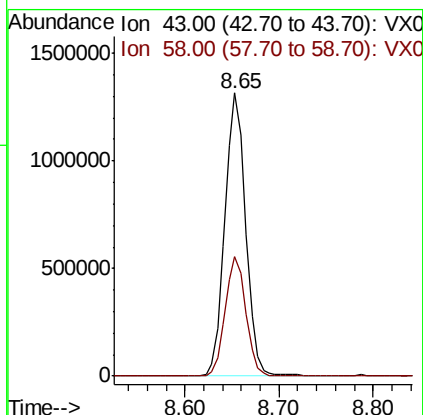
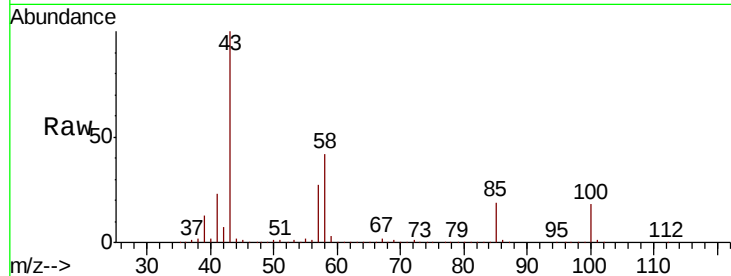




#51
 4-Methyl-2-Pentanone
 Concen: 248.23 ug/l
 RT: 8.65 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VX003938.D
 Acq: 08 Aug 2018 21:44

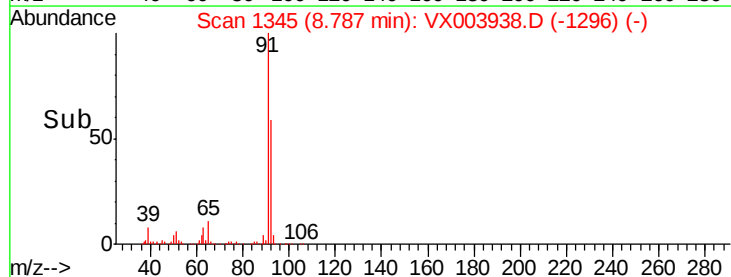
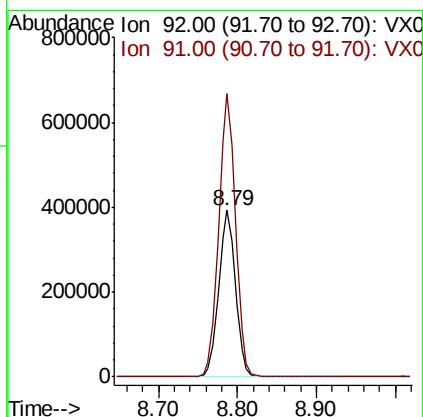
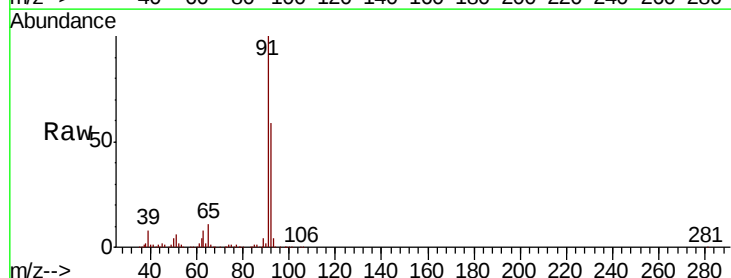
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 2017690
 Ion Ratio Lower Upper
 43 100
 58 41.7 33.0 49.6



#52
 Toluene
 Concen: 51.76 ug/l
 RT: 8.79 min Scan# 1345
 Delta R.T. 0.00 min
 Lab File: VX003938.D
 Acq: 08 Aug 2018 21:44

Tgt Ion: 92 Resp: 581794
 Ion Ratio Lower Upper
 92 100
 91 170.1 136.1 204.1

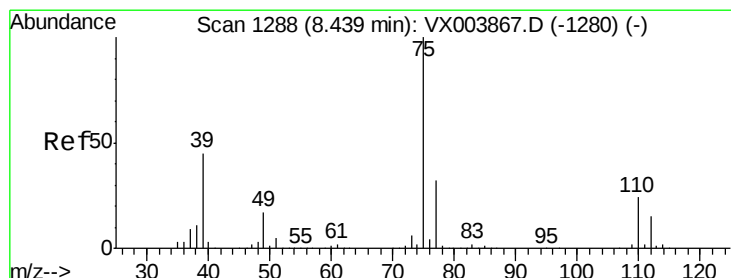
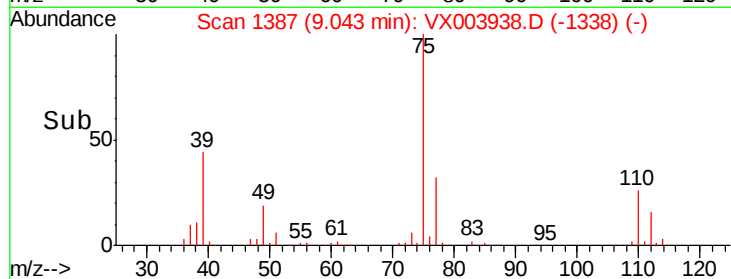
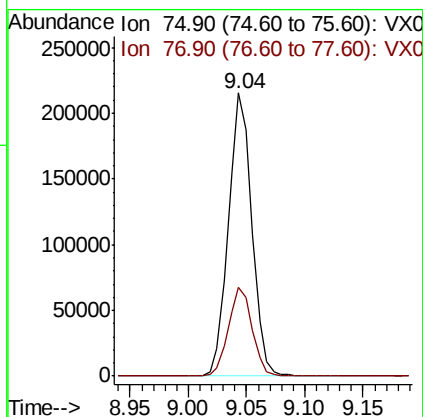
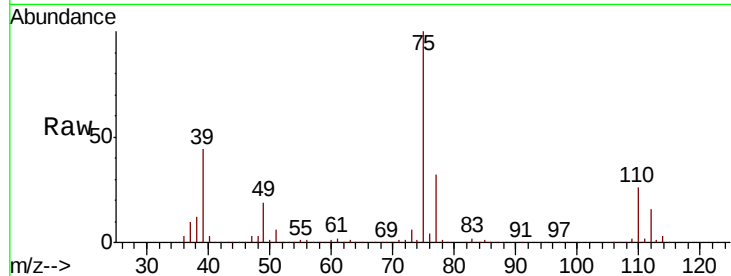




#53
 t-1,3-Dichloropropene
 Concen: 47.41 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. 0.00 min
 Lab File: VX003938.D
 Acq: 08 Aug 2018 21:44

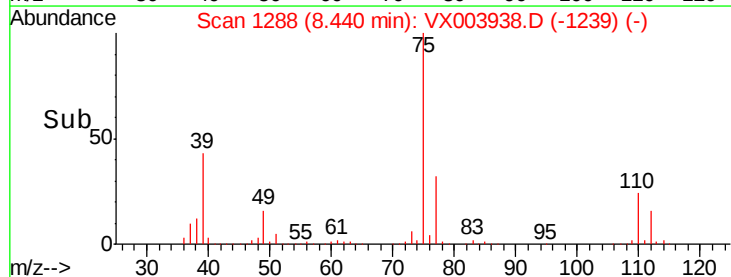
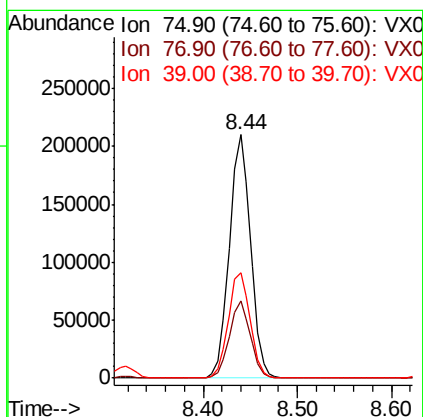
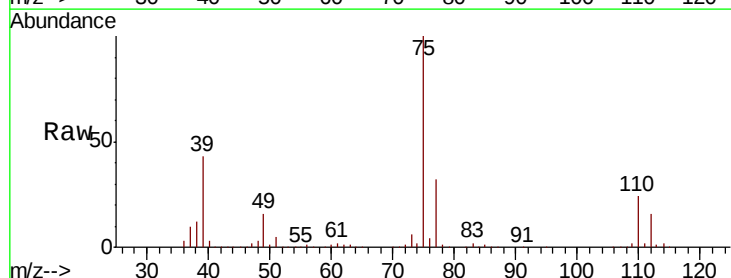
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

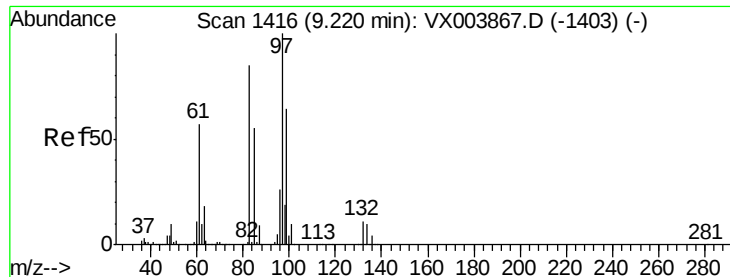
Tot Ion: 75 Resp: 301081
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.1 37.7



#54
 cis-1,3-Dichloropropene
 Concen: 47.88 ug/l
 RT: 8.44 min Scan# 1288
 Delta R.T. 0.00 min
 Lab File: VX003938.D
 Acq: 08 Aug 2018 21:44

Tgt Ion: 75 Resp: 327878
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.3 37.9
 39 43.3 36.2 54.2

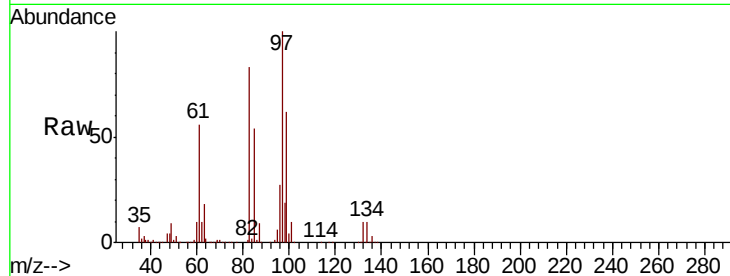




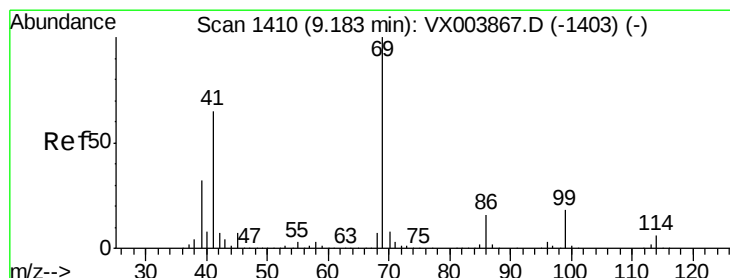
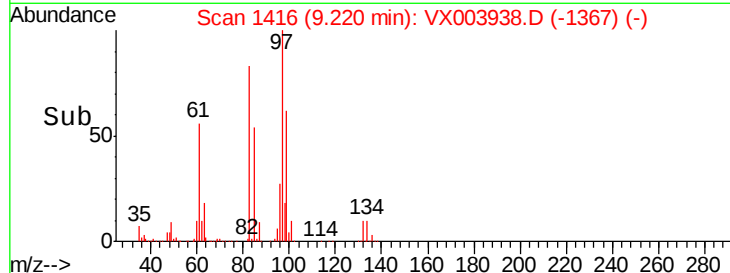
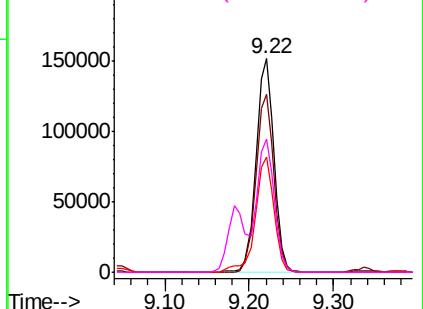
#55
 1,1,2-Trichloroethane
 Concen: 48.28 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003938.D
 Acq: 08 Aug 2018 21:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	221731
Ion	Ratio	Lower	Upper
97	100		
83	83.4	67.8	101.6
85	53.8	44.2	66.2
99	62.3	50.8	76.2

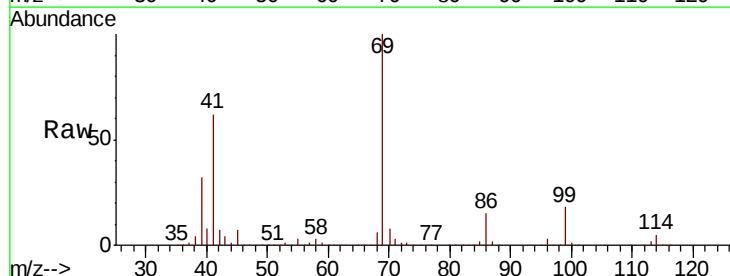


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

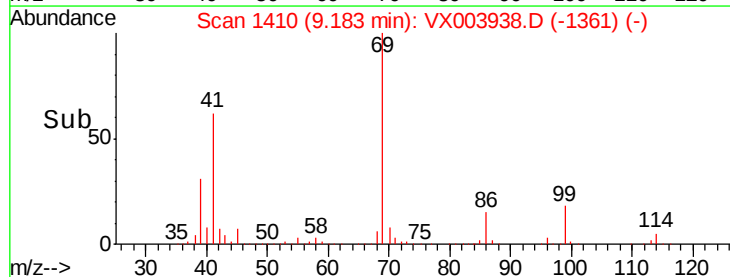
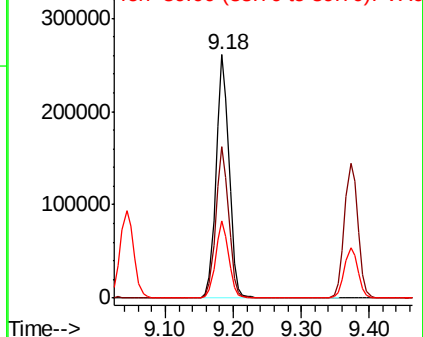


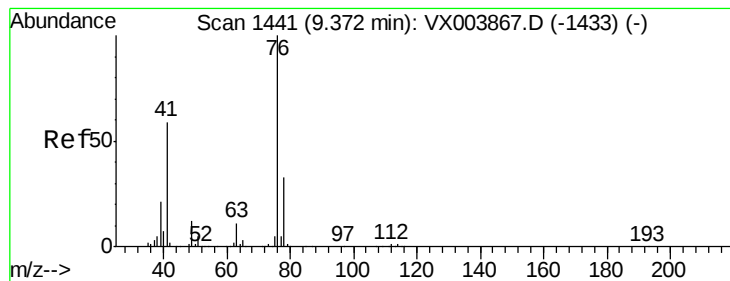
#56
 Ethyl methacrylate
 Concen: 51.94 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX003938.D
 Acq: 08 Aug 2018 21:44

Tgt Ion:	69	Resp:	346104
Ion	Ratio	Lower	Upper
69	100		
41	61.9	50.6	76.0
39	31.7	25.8	38.6



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





#57

1,3-Dichloropropane

Concen: 47.92 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. 0.00 min

Lab File: VX003938.D

Acq: 08 Aug 2018 21:44

Instrument :

MSVOA_X

ClientSampleId :

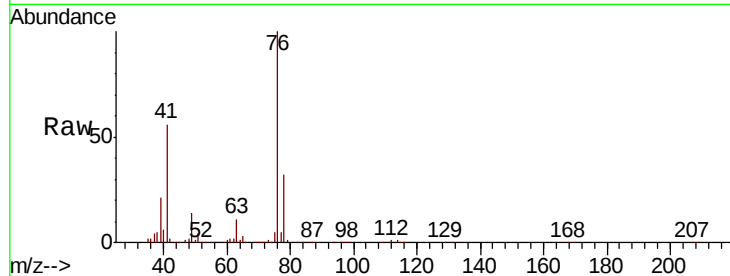
VSTDCCC050EC

Tot Ion: 76 Resp: 368364

Ion Ratio Lower Upper

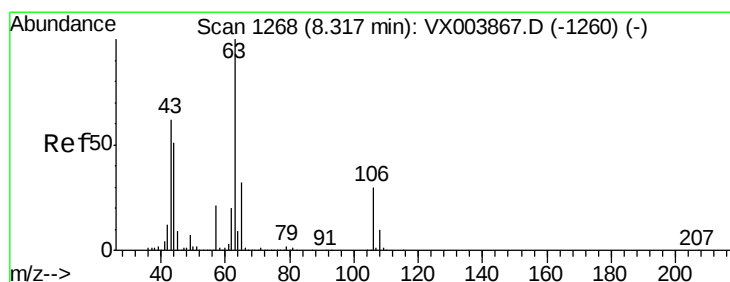
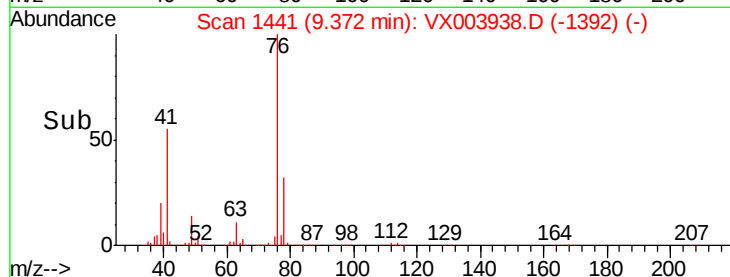
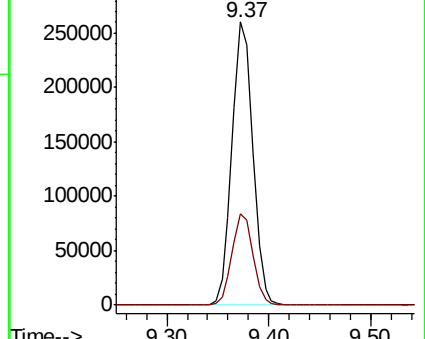
76 100

78 32.5 25.9 38.9



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 250.05 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VX003938.D

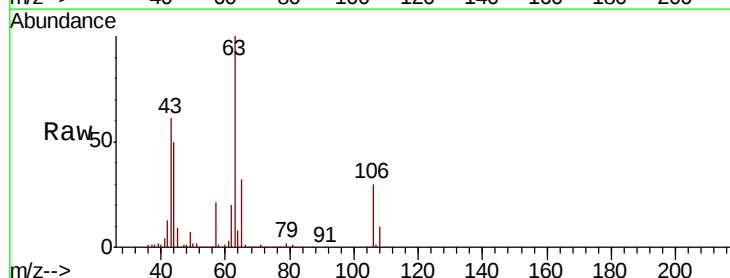
Acq: 08 Aug 2018 21:44

Tgt Ion: 63 Resp: 819375

Ion Ratio Lower Upper

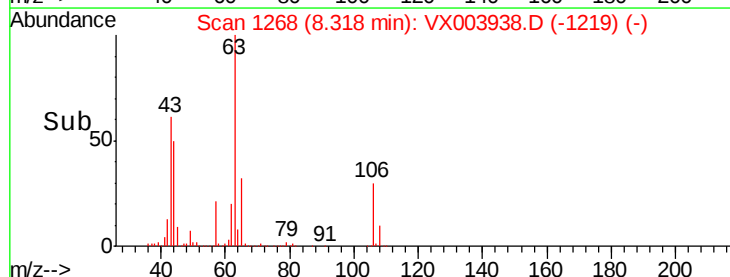
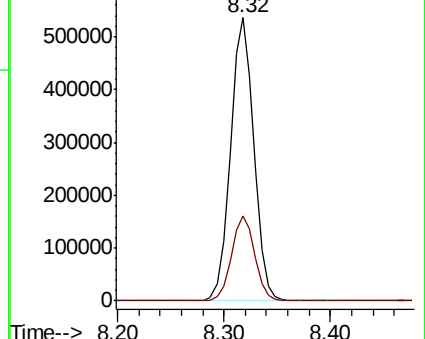
63 100

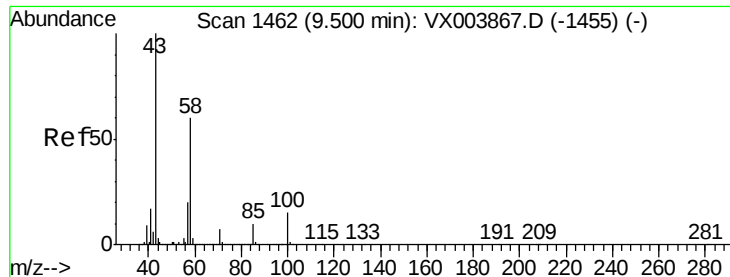
106 29.9 23.8 35.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

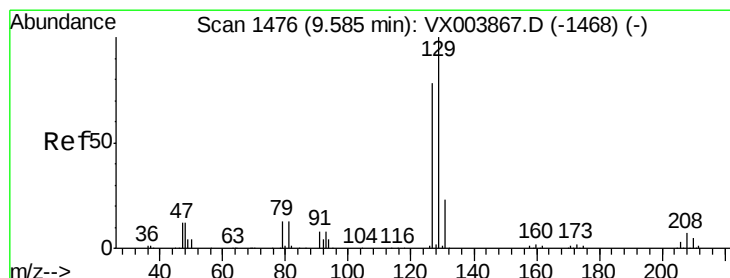
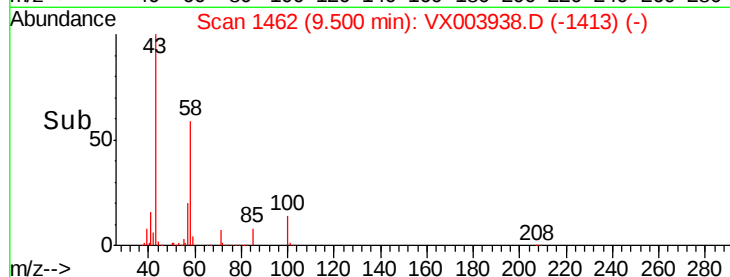
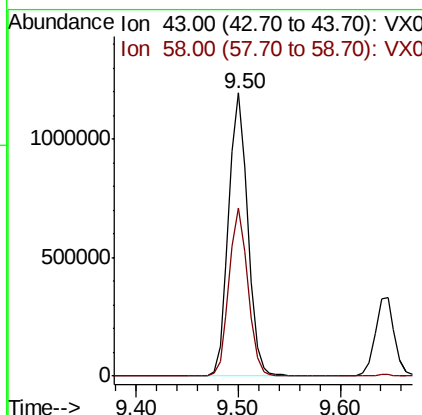
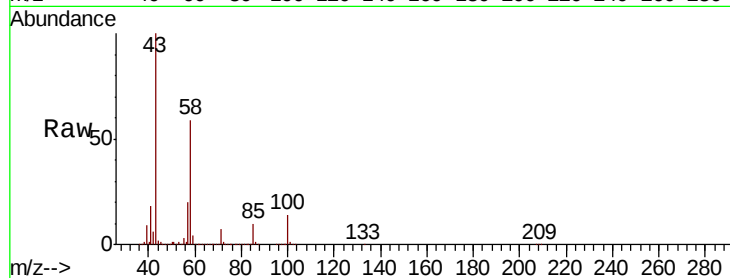




#59
2-Hexanone
Concen: 254.64 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003938.D
Acq: 08 Aug 2018 21:44

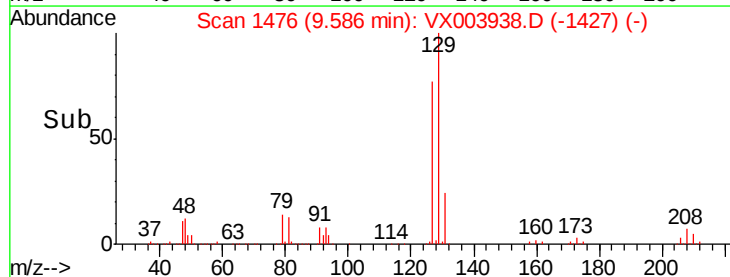
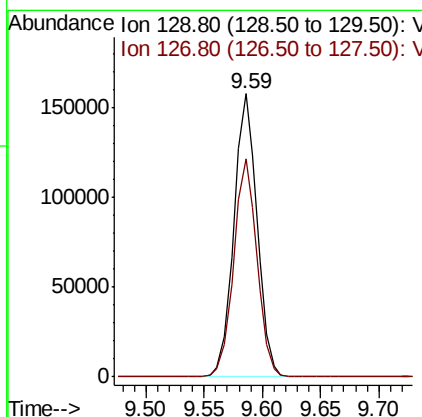
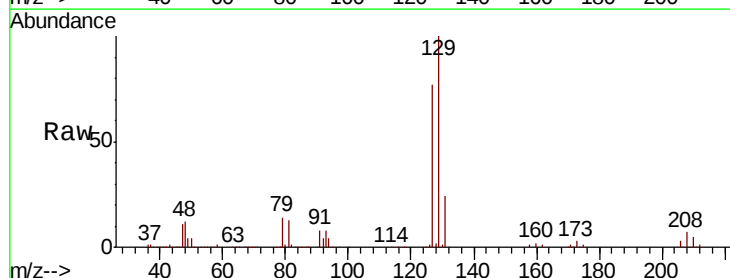
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

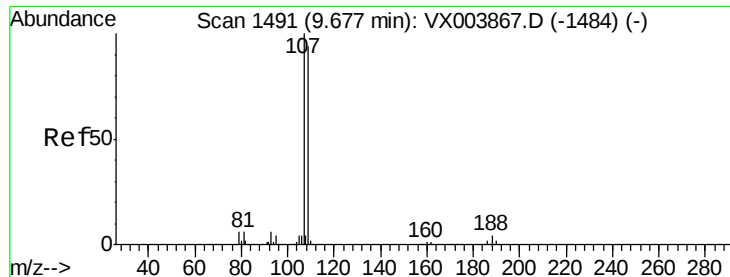
Tot Ion: 43 Resp: 1547203
Ion Ratio Lower Upper
43 100
58 58.8 29.0 87.0



#60
Dibromochloromethane
Concen: 51.29 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003938.D
Acq: 08 Aug 2018 21:44

Tgt Ion: 129 Resp: 219659
Ion Ratio Lower Upper
129 100
127 76.8 38.8 116.3





#61

1,2-Dibromoethane

Concen: 49.61 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003938.D

Acq: 08 Aug 2018 21:44

Instrument :

MSVOA_X

ClientSampleId :

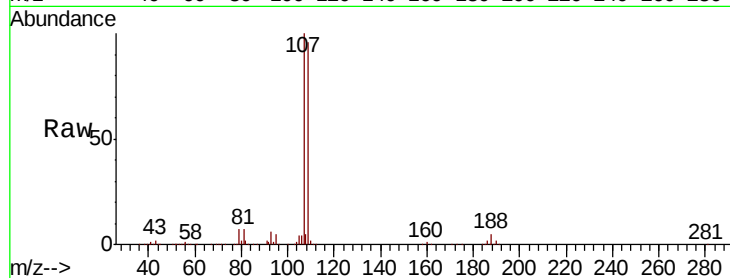
VSTDCCC050EC

Tot Ion:107 Resp: 228148

Ion Ratio Lower Upper

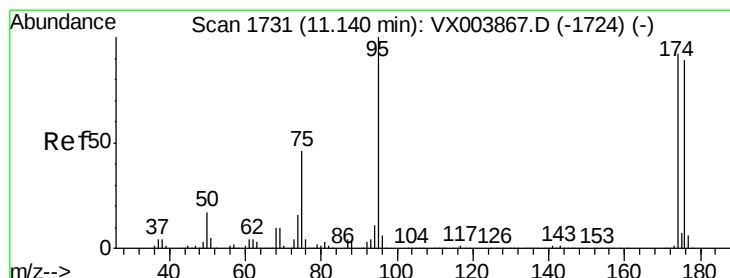
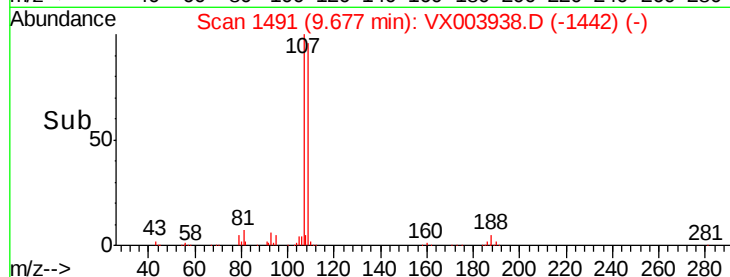
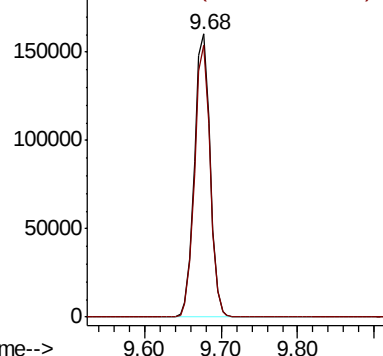
107 100

109 95.3 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: 55.20 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003938.D

Acq: 08 Aug 2018 21:44

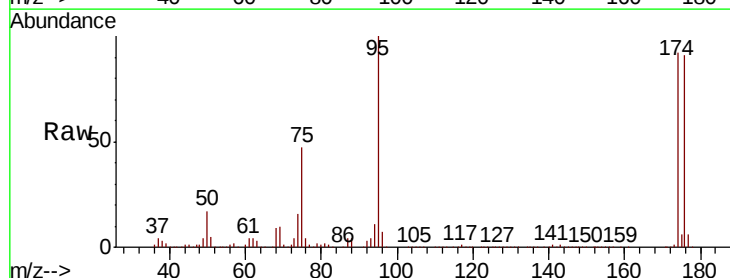
Tgt Ion: 95 Resp: 278302

Ion Ratio Lower Upper

95 100

174 90.9 0.0 182.8

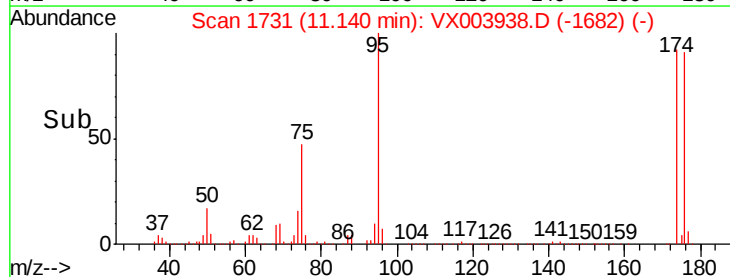
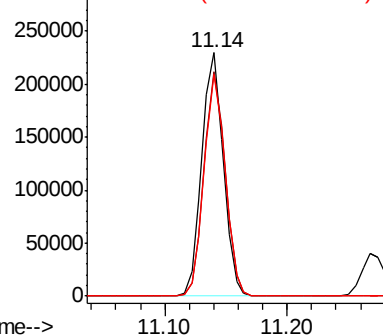
176 89.5 0.0 179.0

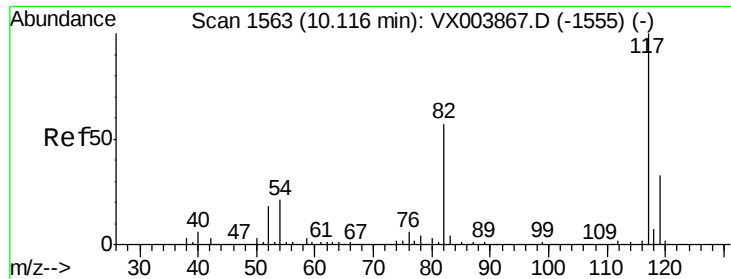


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

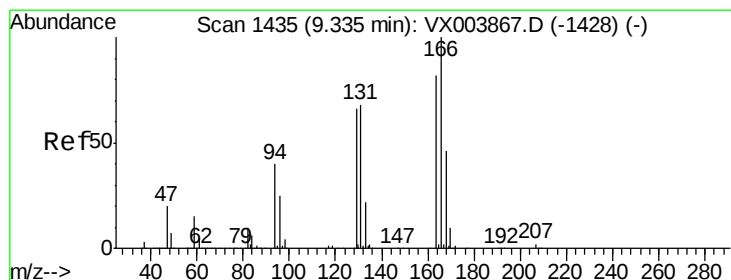
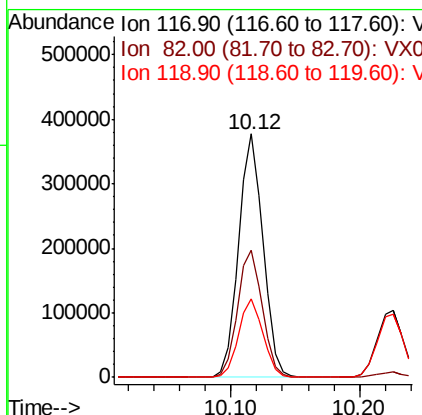
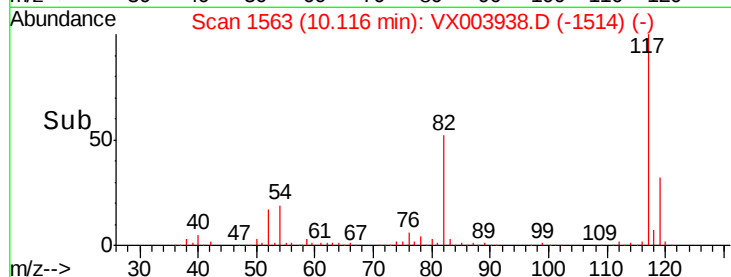
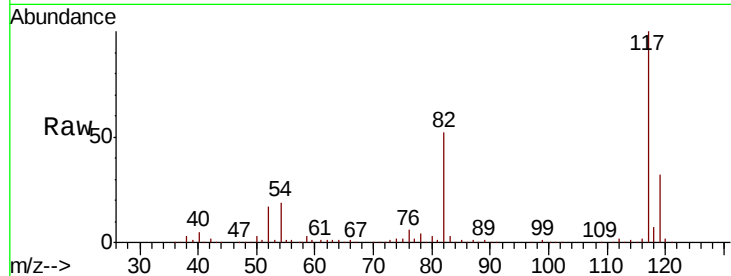




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003938.D
Acq: 08 Aug 2018 21:44

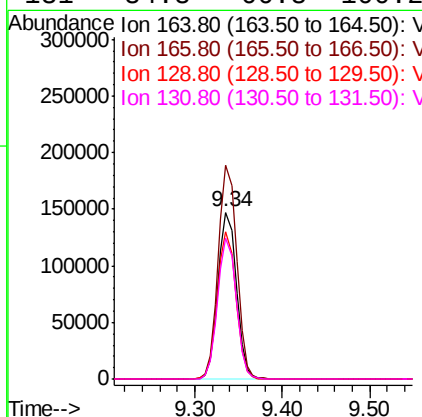
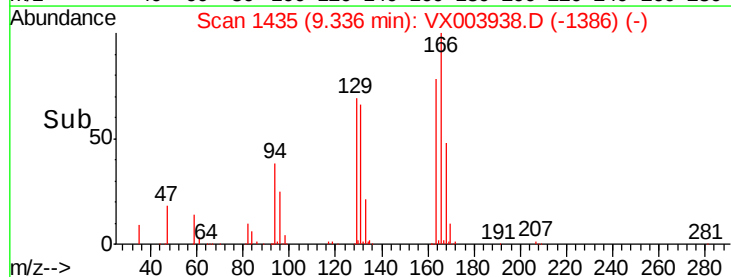
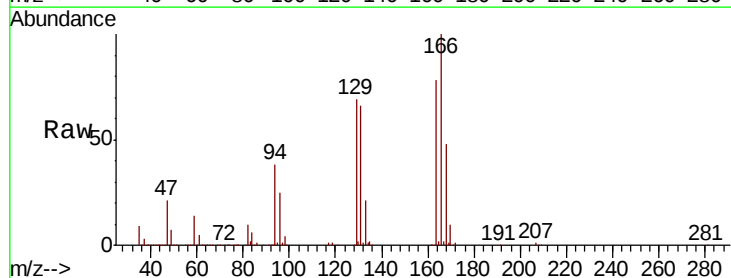
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

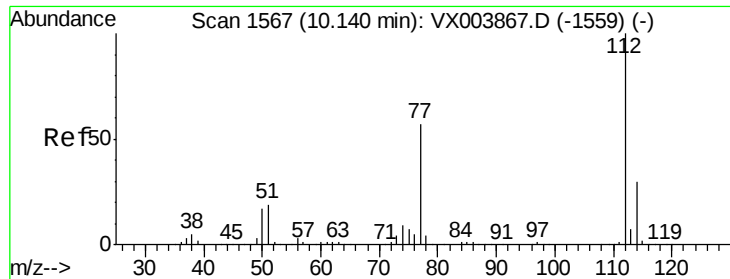
Tot Ion:117 Resp: 493997
Ion Ratio Lower Upper
117 100
82 52.4 45.4 68.0
119 32.1 26.6 40.0



#64
Tetrachloroethene
Concen: 44.32 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VX003938.D
Acq: 08 Aug 2018 21:44

Tgt Ion:164 Resp: 215377
Ion Ratio Lower Upper
164 100
166 128.0 98.0 147.0
129 88.6 64.3 96.5
131 84.8 66.8 100.2

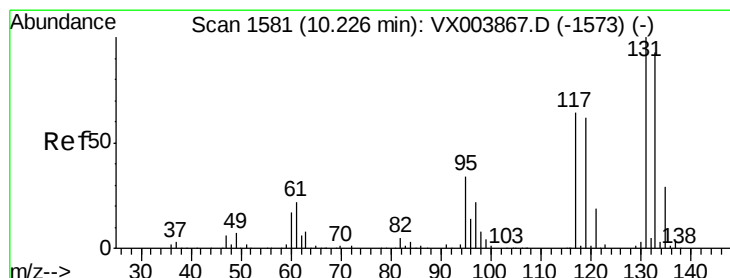
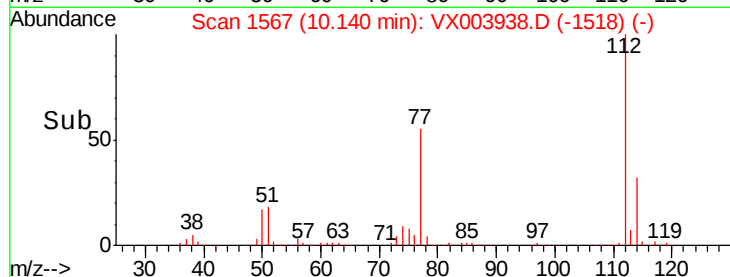
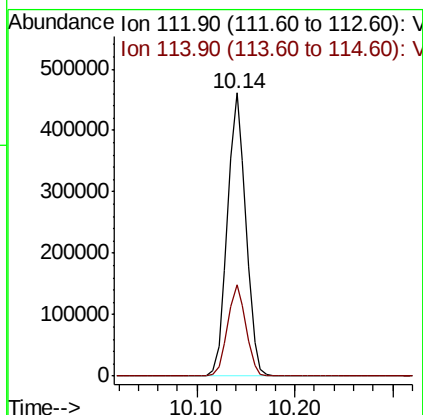
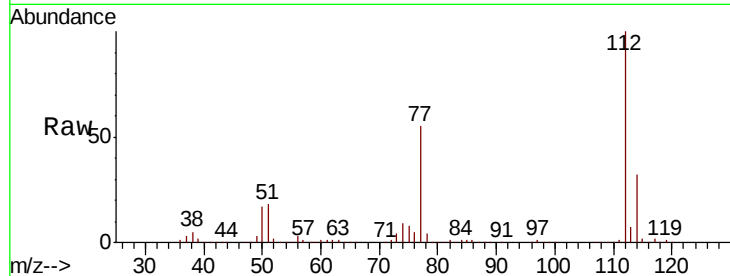




#65
Chlorobenzene
Concen: 46.92 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX003938.D
Acq: 08 Aug 2018 21:44

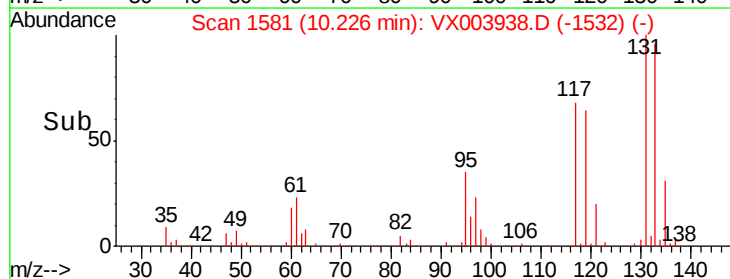
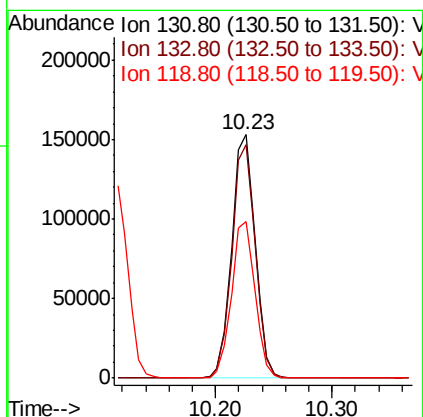
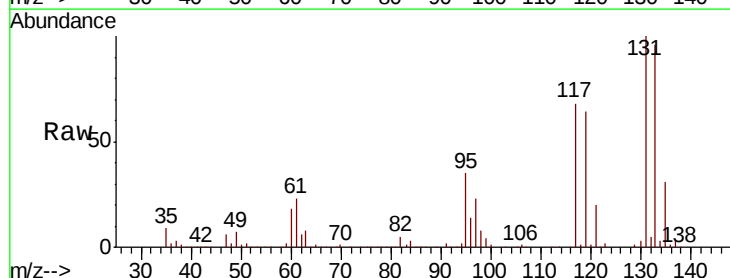
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

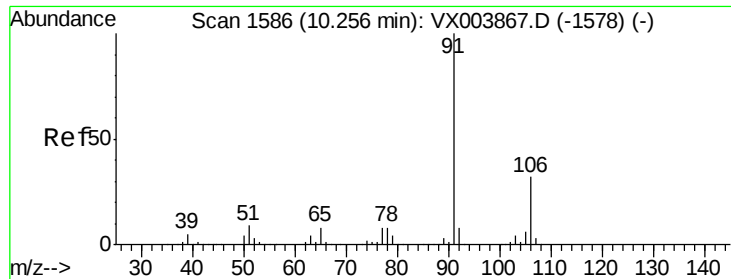
Tot Ion:112 Resp: 603078
Ion Ratio Lower Upper
112 100
114 32.2 23.6 35.4



#66
1,1,1,2-Tetrachloroethane
Concen: 48.72 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX003938.D
Acq: 08 Aug 2018 21:44

Tgt Ion:131 Resp: 215296
Ion Ratio Lower Upper
131 100
133 95.6 47.3 141.8
119 64.4 31.6 94.8

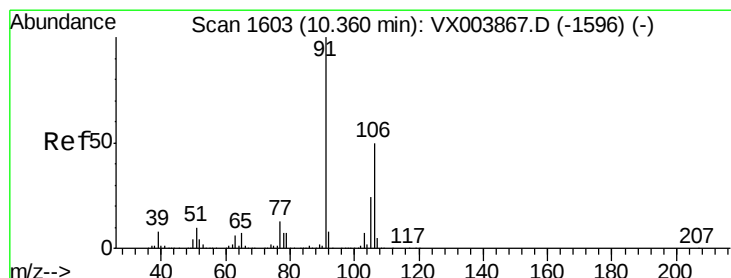
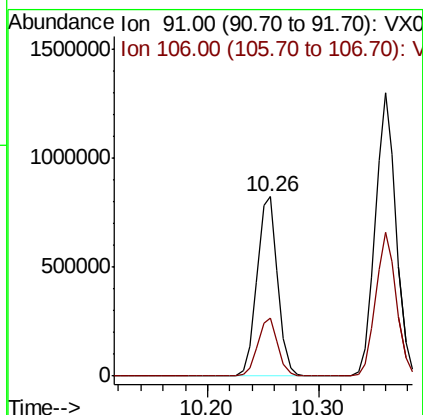
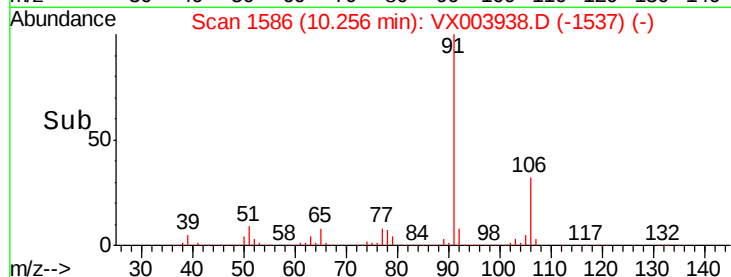
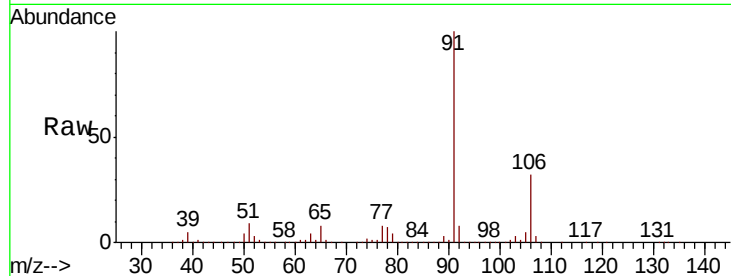




#67
Ethyl Benzene
Concen: 50.69 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX003938.D
Acq: 08 Aug 2018 21:44

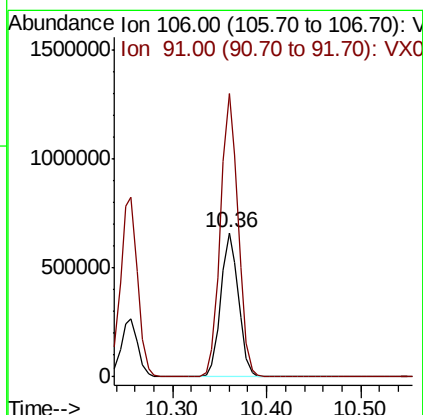
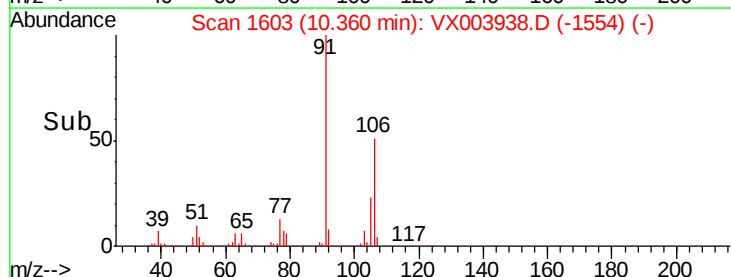
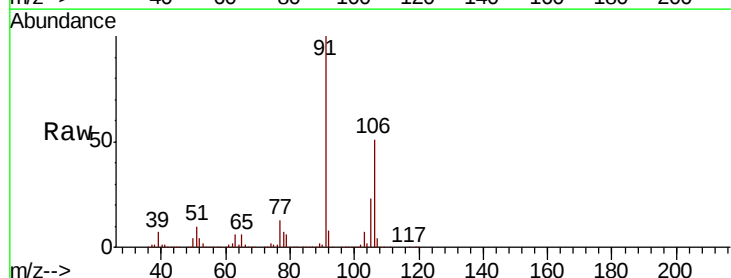
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

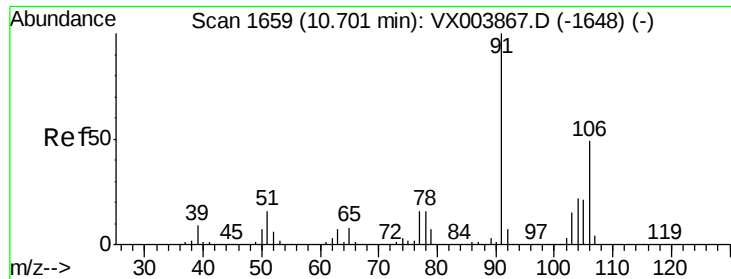
Tot Ion: 91 Resp: 1066618
Ion Ratio Lower Upper
91 100
106 32.4 25.9 38.9



#68
m/p-Xylenes
Concen: 104.44 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003938.D
Acq: 08 Aug 2018 21:44

Tgt Ion: 106 Resp: 858659
Ion Ratio Lower Upper
106 100
91 196.5 162.3 243.5

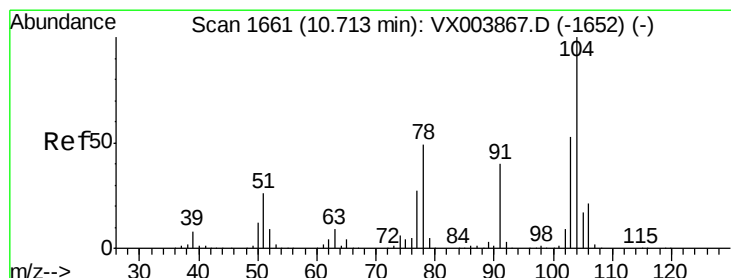
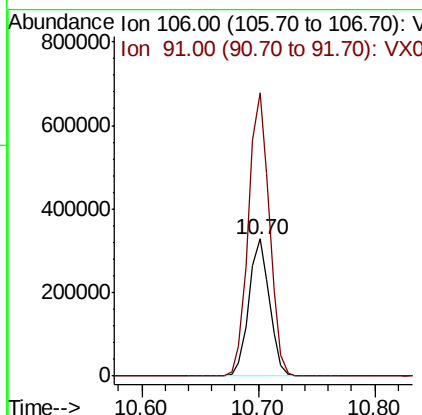
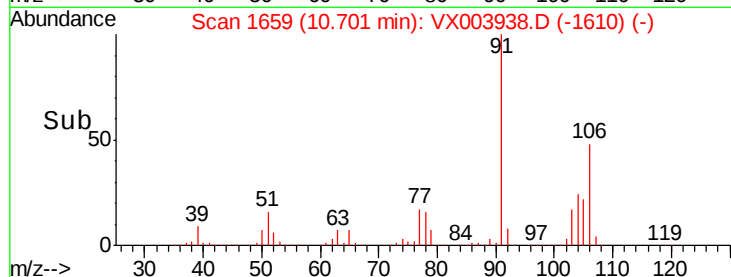
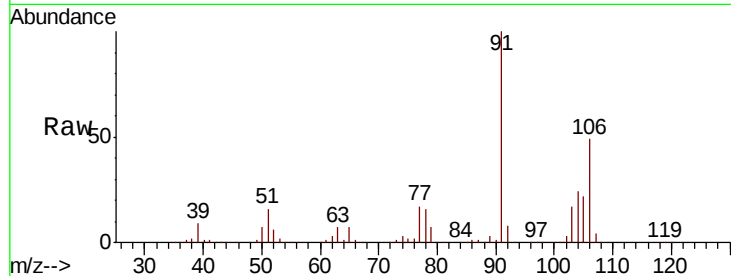




#69
o-Xylene
Concen: 52.74 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003938.D
Acq: 08 Aug 2018 21:44

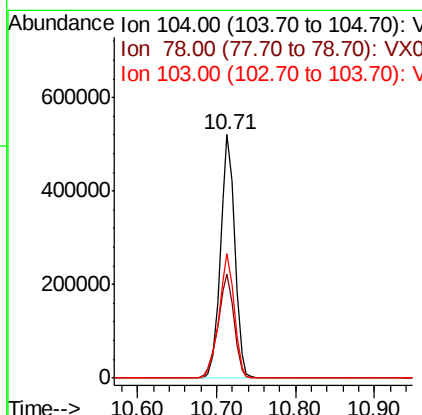
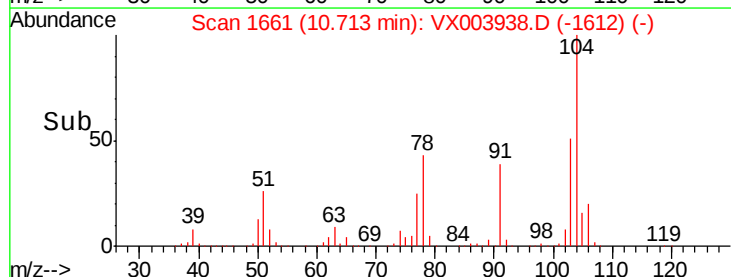
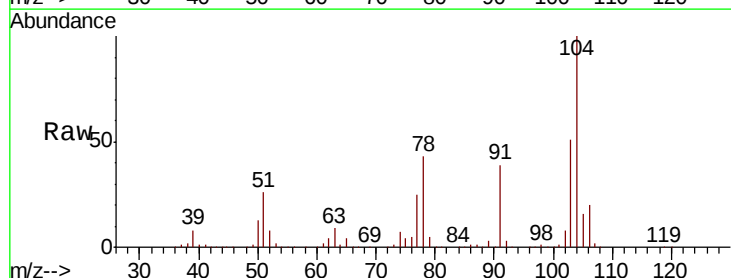
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 409316
Ion Ratio Lower Upper
106 100
91 209.2 101.9 305.7



#70
Styrene
Concen: 51.87 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003938.D
Acq: 08 Aug 2018 21:44

Tgt Ion:104 Resp: 659066
Ion Ratio Lower Upper
104 100
78 47.9 39.8 59.6
103 54.6 44.3 66.5





#71

Bromoform

Concen: 45.67 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX003938.D

Acq: 08 Aug 2018 21:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

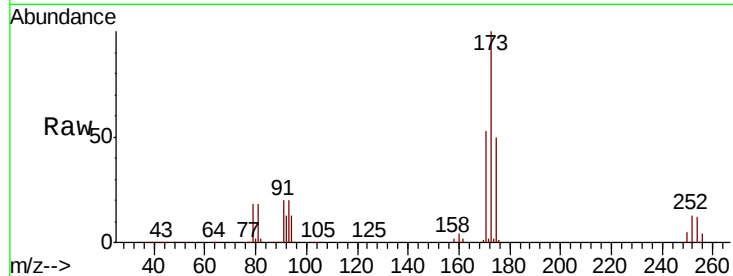
Tot Ion:173 Resp: 170119

Ion Ratio Lower Upper

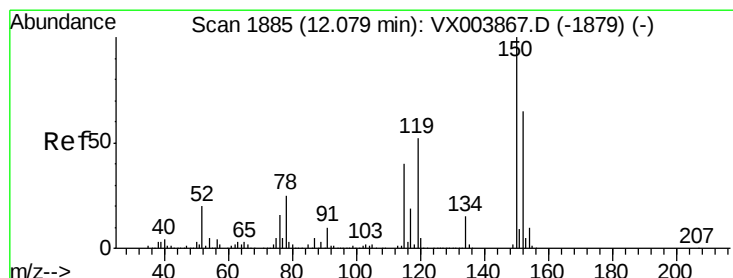
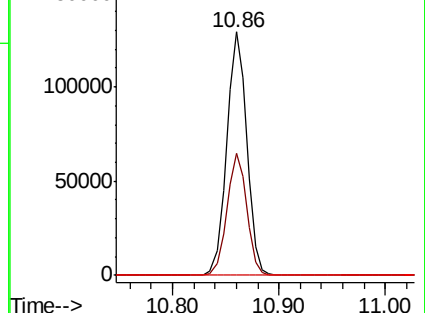
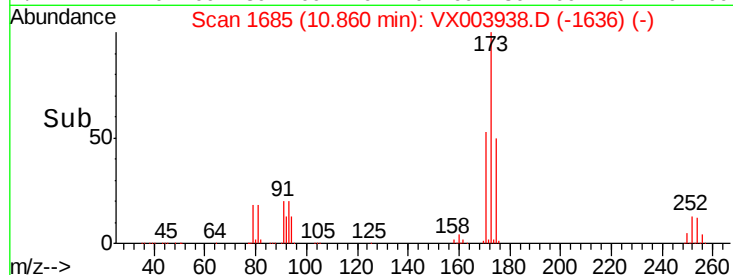
173 100

175 49.4 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: VX003938.D

Acq: 08 Aug 2018 21:44

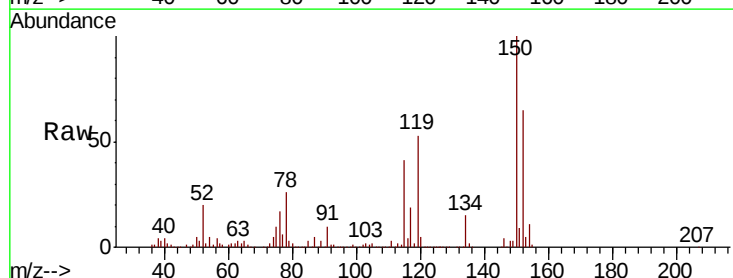
Tgt Ion:152 Resp: 275483

Ion Ratio Lower Upper

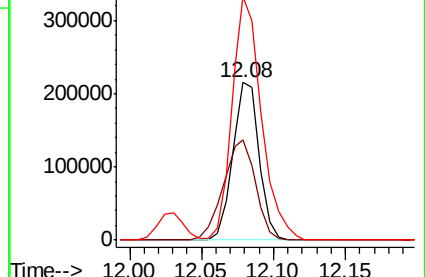
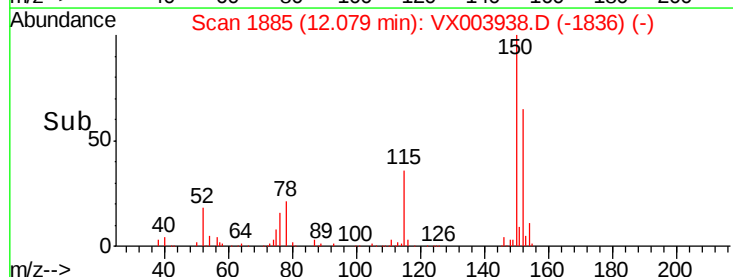
152 100

115 77.4 39.1 117.3

150 172.2 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: 51.33 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. 0.00 min

Lab File: VX003938.D

Acq: 08 Aug 2018 21:44

Instrument :

MSVOA_X

ClientSampleId :

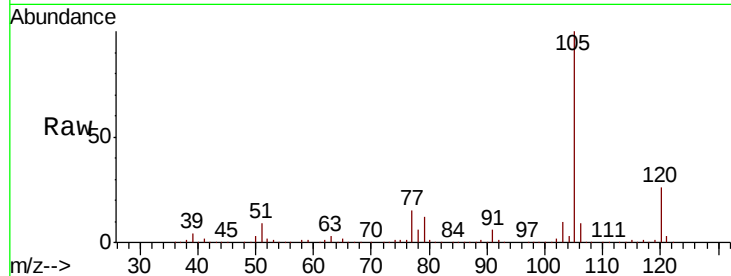
VSTDCCC050EC

Tot Ion:105 Resp: 1046012

Ion Ratio Lower Upper

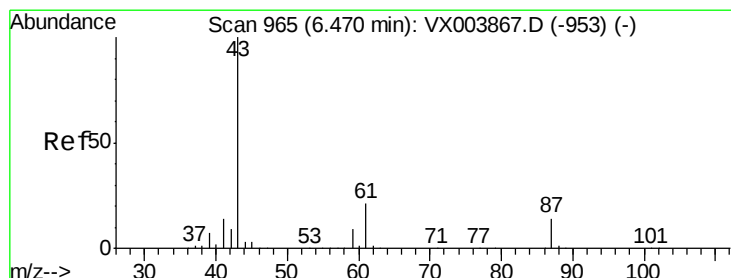
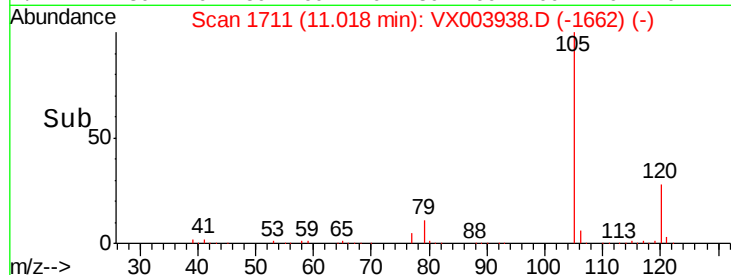
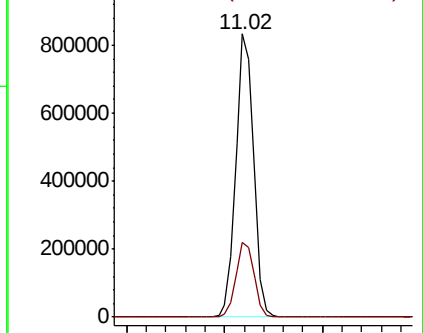
105 100

120 27.0 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: 45.68 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX003938.D

Acq: 08 Aug 2018 21:44

Tgt Ion: 43 Resp: 484104

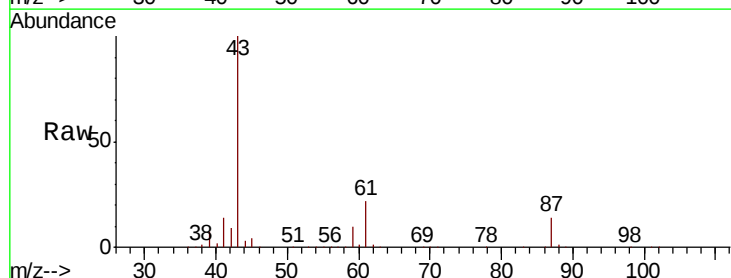
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.3 0.1 0.1#

61 21.7 16.9 25.3

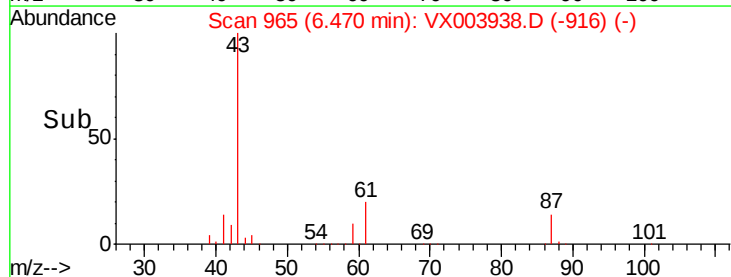
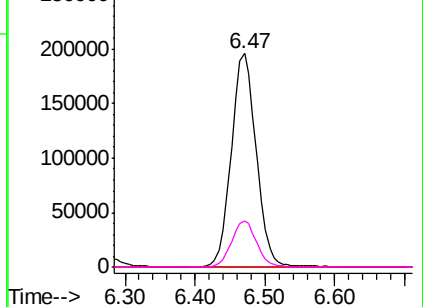


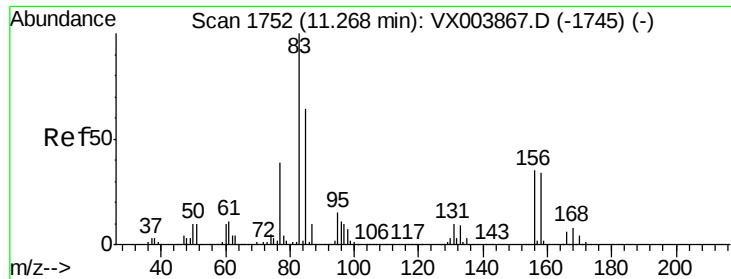
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 49.47 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. 0.00 min

Lab File: VX003938.D

Acq: 08 Aug 2018 21:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

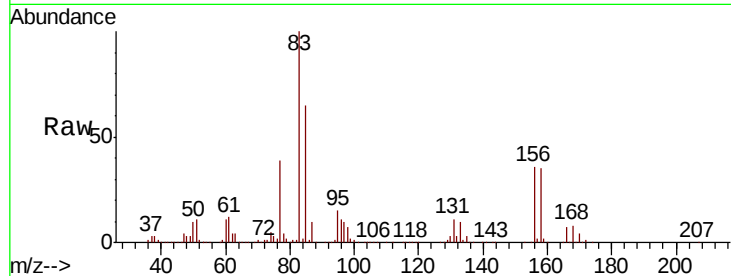
Tot Ion: 83 Resp: 345560

Ion Ratio Lower Upper

83 100

131 10.6 5.2 15.6

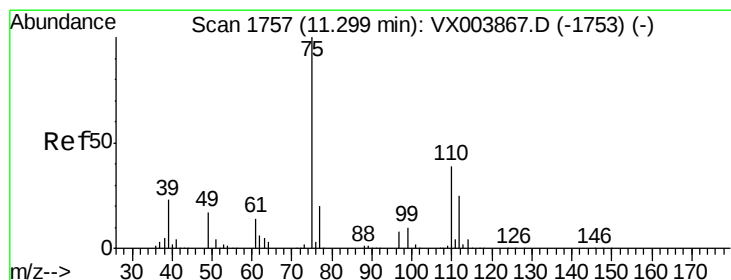
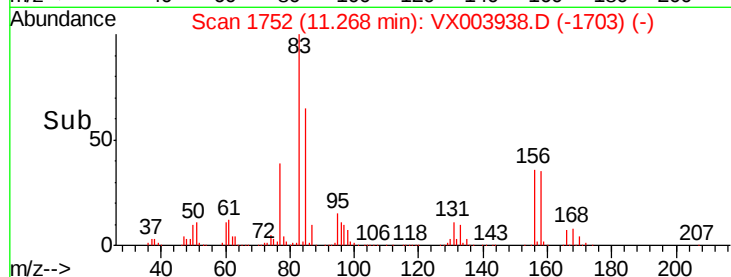
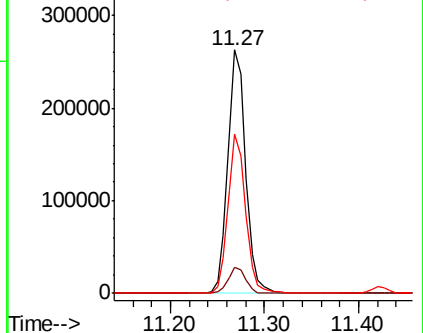
85 64.5 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 64.42 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VX003938.D

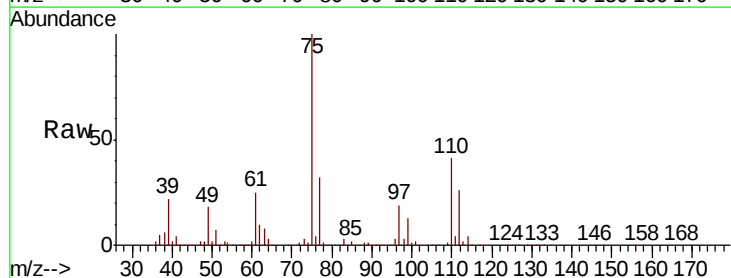
Acq: 08 Aug 2018 21:44

Tgt Ion: 75 Resp: 392005

Ion Ratio Lower Upper

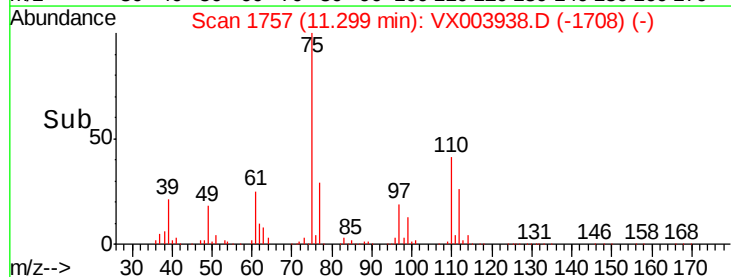
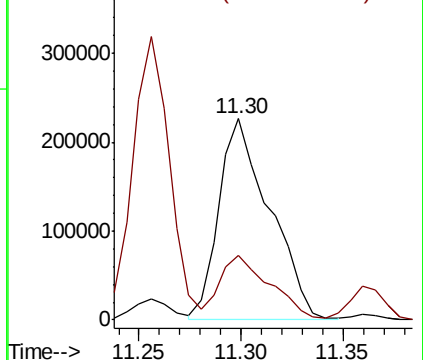
75 100

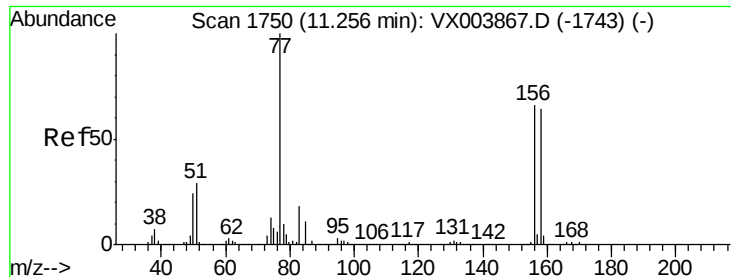
77 31.5 20.8 62.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 50.68 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003938.D

Acq: 08 Aug 2018 21:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

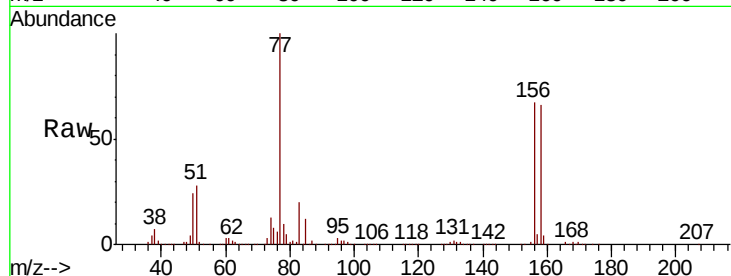
Tot Ion:156 Resp: 275536

Ion Ratio Lower Upper

156 100

77 145.2 74.1 222.2

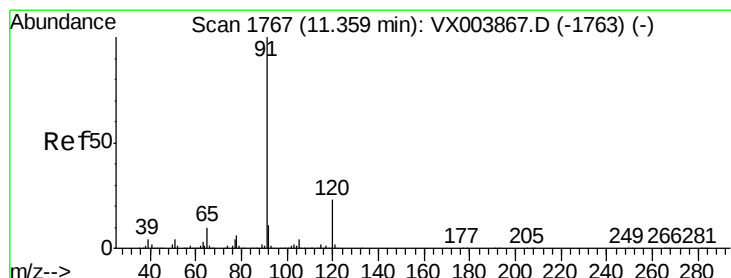
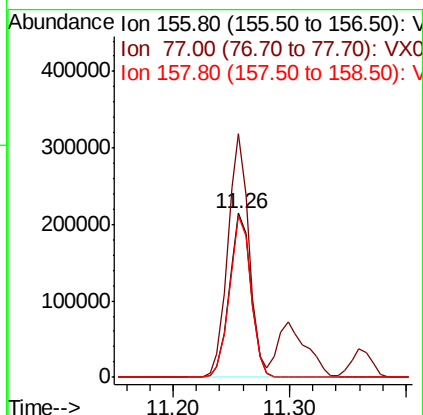
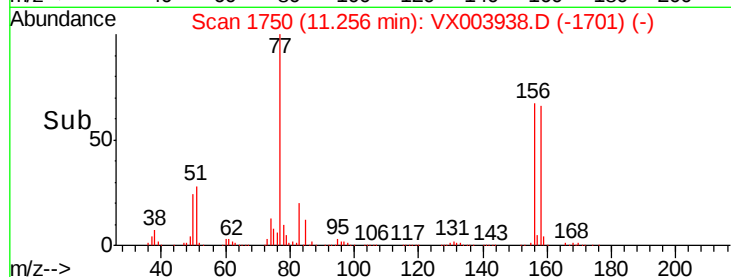
158 97.7 48.6 145.9



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: 51.91 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. 0.00 min

Lab File: VX003938.D

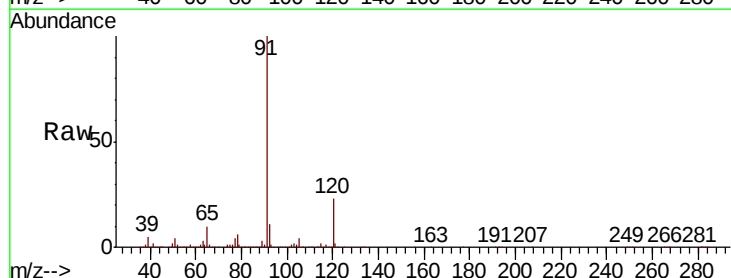
Acq: 08 Aug 2018 21:44

Tgt Ion: 91 Resp: 1187989

Ion Ratio Lower Upper

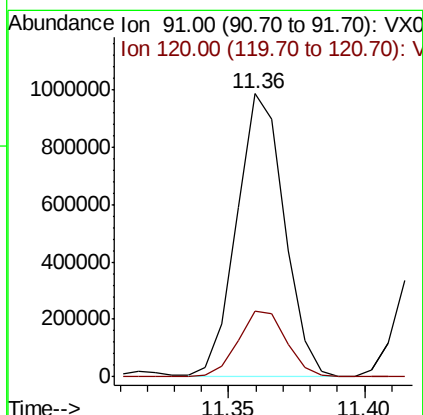
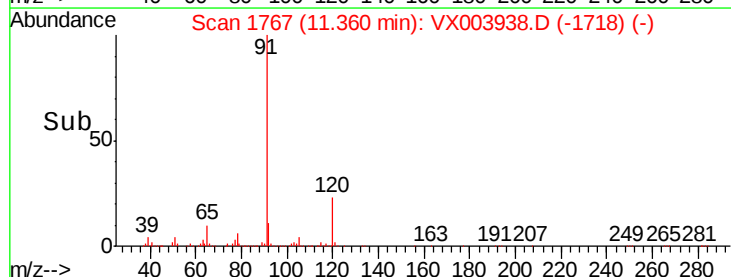
91 100

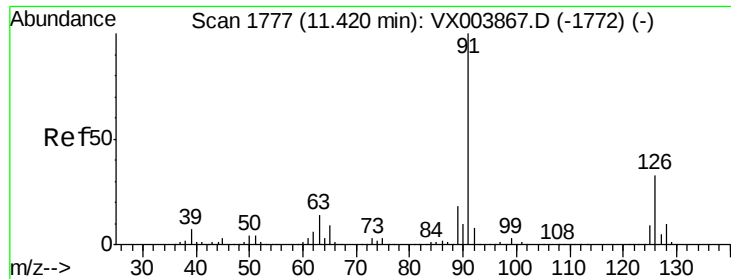
120 23.9 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

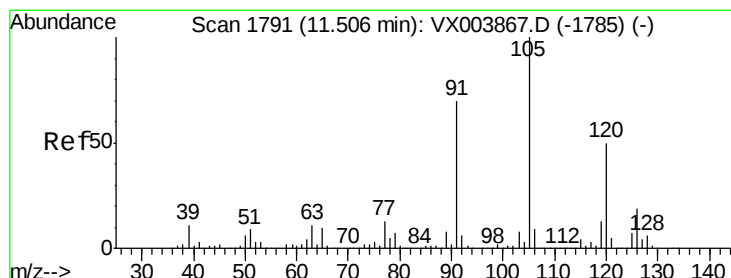
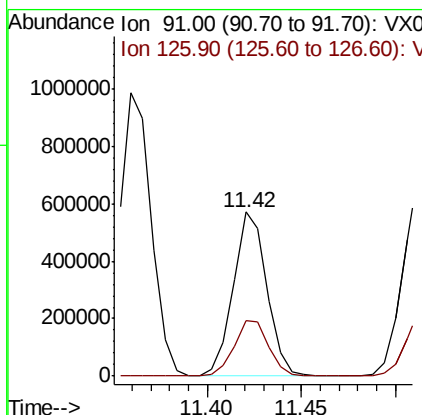
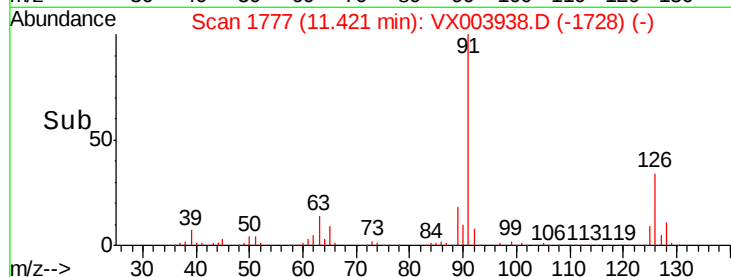
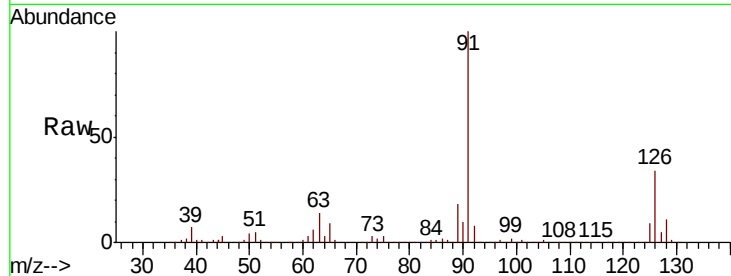




#79
 2-Chlorotoluene
 Concen: 50.13 ug/l
 RT: 11.42 min Scan# 1777
 Delta R.T. 0.00 min
 Lab File: VX003938.D
 Acq: 08 Aug 2018 21:44

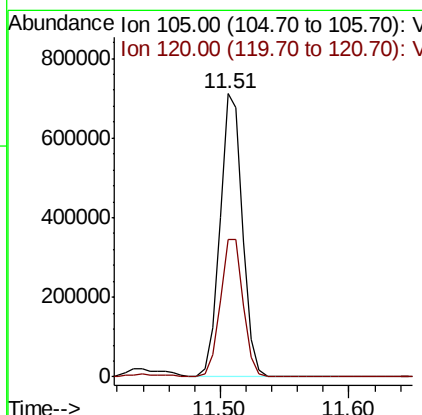
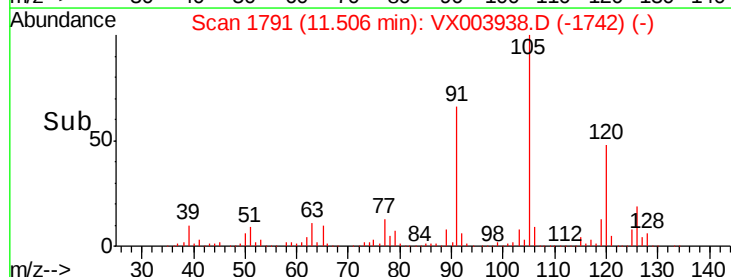
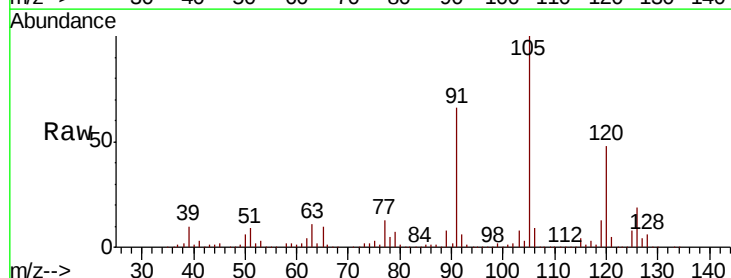
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

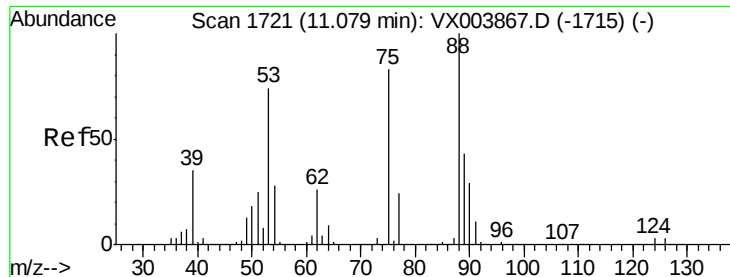
Tot Ion: 91 Resp: 699397
 Ion Ratio Lower Upper
 91 100
 126 35.3 17.4 52.3



#80
 1,3,5-Trimethylbenzene
 Concen: 52.56 ug/l
 RT: 11.51 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX003938.D
 Acq: 08 Aug 2018 21:44

Tgt Ion:105 Resp: 873374
 Ion Ratio Lower Upper
 105 100
 120 49.7 25.4 76.2





#81

trans-1,4-Dichloro-2-butene

Concen: 42.00 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX003938.D

Acq: 08 Aug 2018 21:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

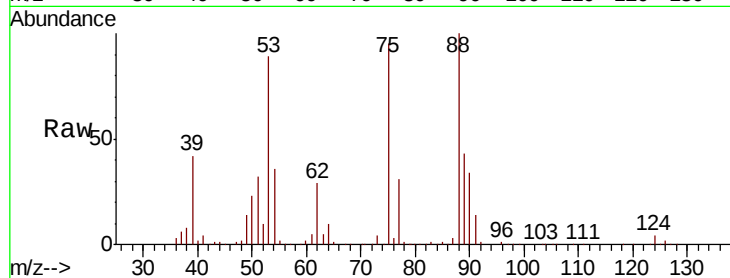
Tot Ion: 75 Resp: 93119

Ion Ratio Lower Upper

75 100

53 98.3 80.3 120.5

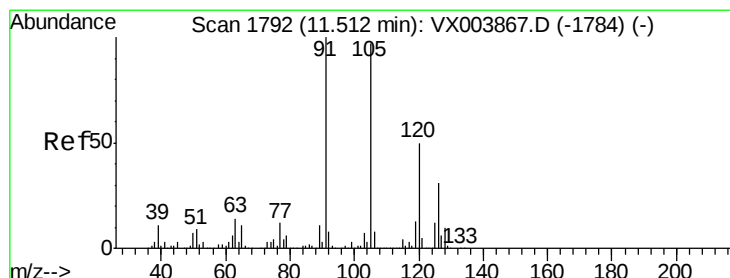
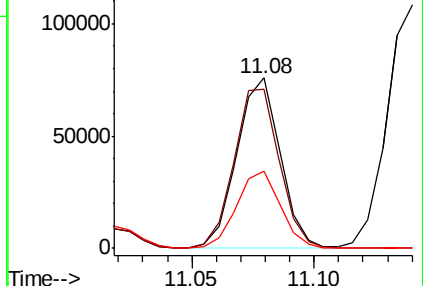
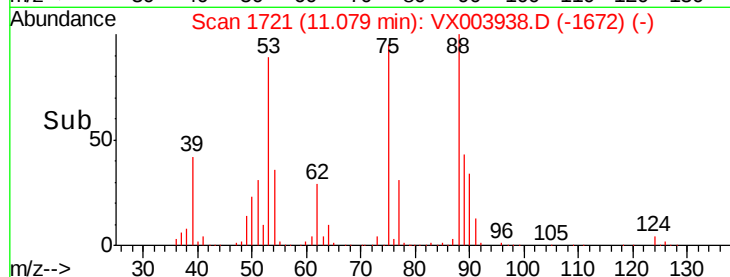
89 46.0 37.8 56.8



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: 50.35 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003938.D

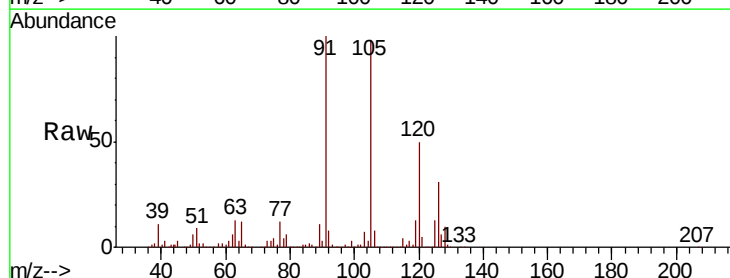
Acq: 08 Aug 2018 21:44

Tgt Ion: 91 Resp: 823011

Ion Ratio Lower Upper

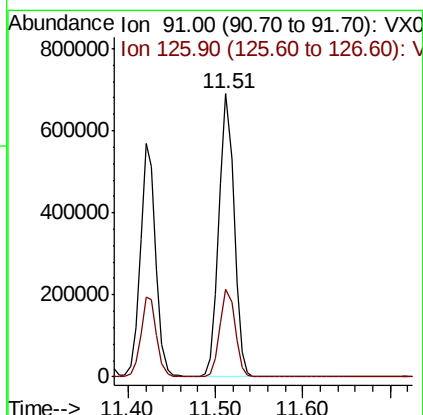
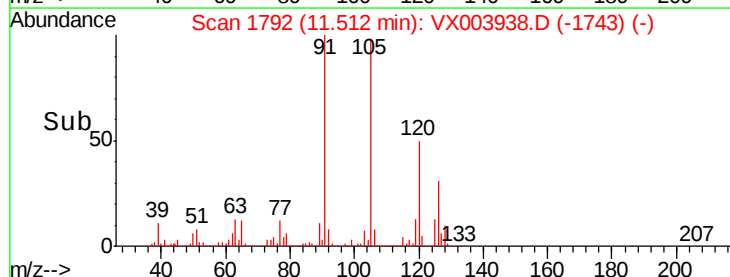
91 100

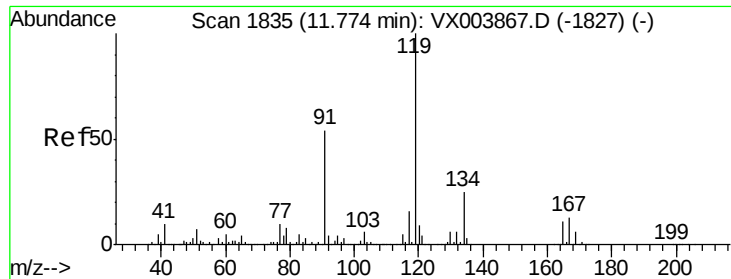
126 31.2 15.6 46.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

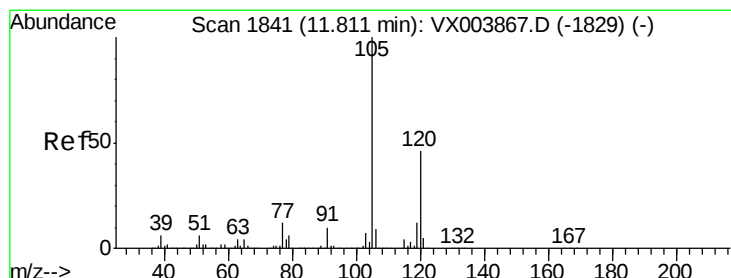
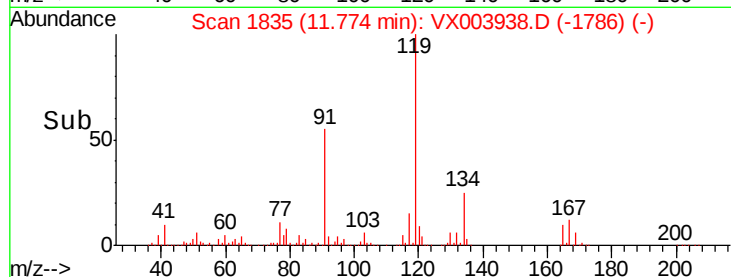
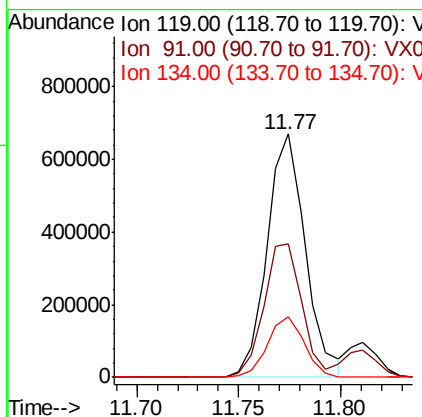
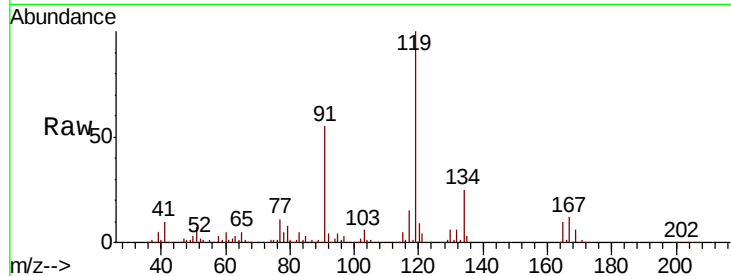




#83
 tert-Butylbenzene
 Concen: 53.45 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX003938.D
 Acq: 08 Aug 2018 21:44

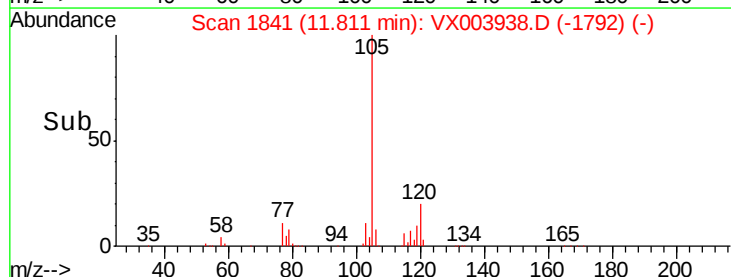
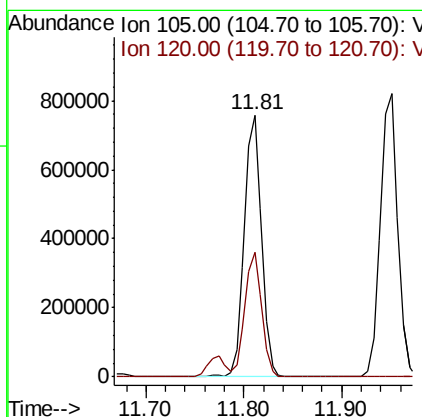
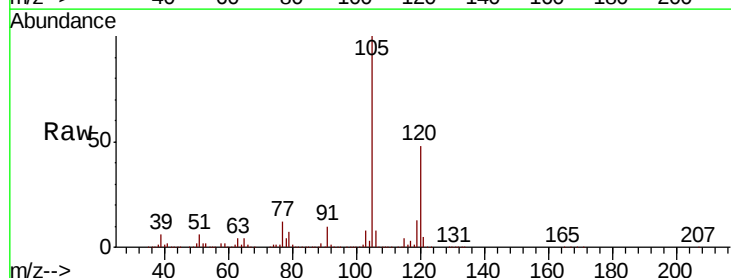
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

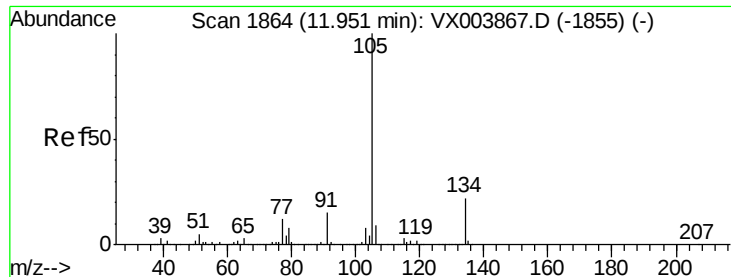
Tot Ion:119 Resp: 873762
 Ion Ratio Lower Upper
 119 100
 91 54.5 26.9 80.7
 134 24.1 12.0 36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 55.49 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003938.D
 Acq: 08 Aug 2018 21:44

Tgt Ion:105 Resp: 927234
 Ion Ratio Lower Upper
 105 100
 120 46.7 23.1 69.2





#85

sec-Butylbenzene

Concen: 52.15 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003938.D

Acq: 08 Aug 2018 21:44

Instrument :

MSVOA_X

ClientSampleId :

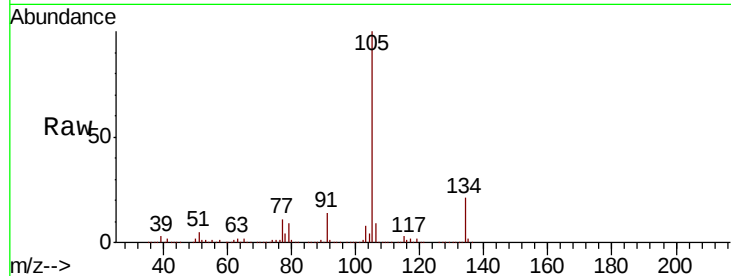
VSTDCCC050EC

Tot Ion:105 Resp: 1006146

Ion Ratio Lower Upper

105 100

134 20.9 10.3 30.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

800000

600000

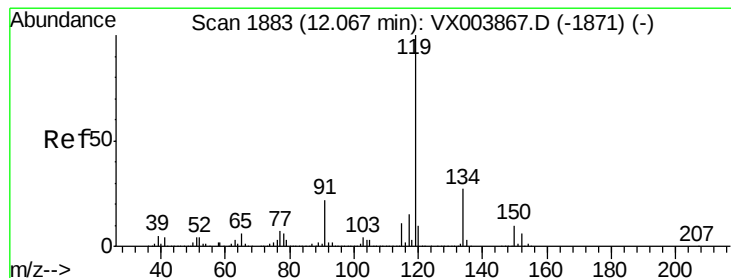
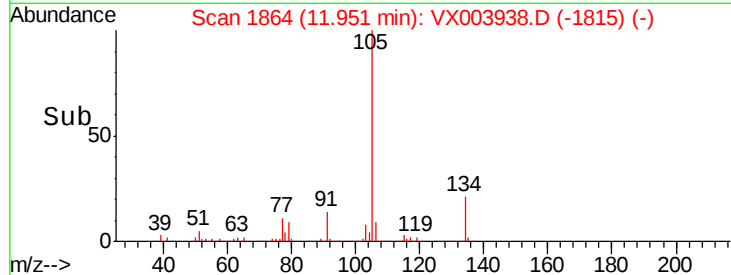
400000

200000

0

11.90 11.95 12.00

Time-->



#86

p-Isopropyltoluene

Concen: 49.18 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003938.D

Acq: 08 Aug 2018 21:44

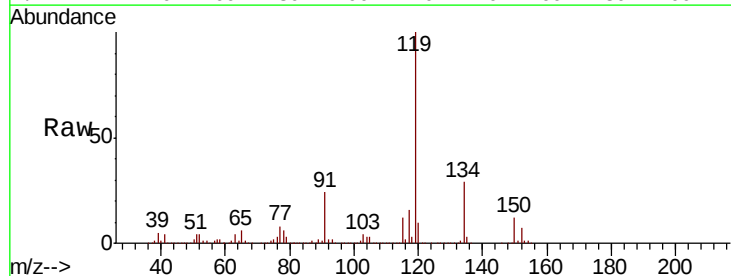
Tgt Ion:119 Resp: 851362

Ion Ratio Lower Upper

119 100

134 27.4 13.3 39.8

91 22.7 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

1000000

800000

600000

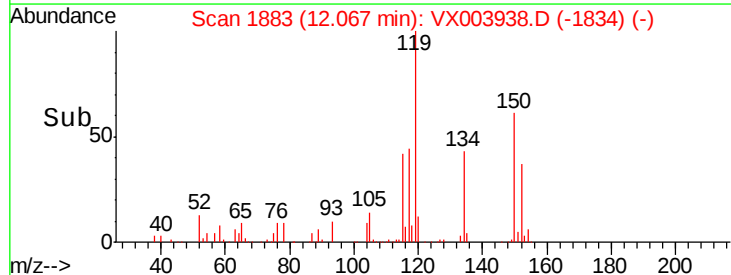
400000

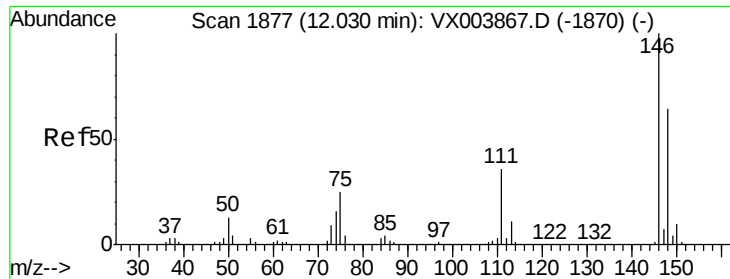
200000

0

12.00 12.07 12.10

Time-->

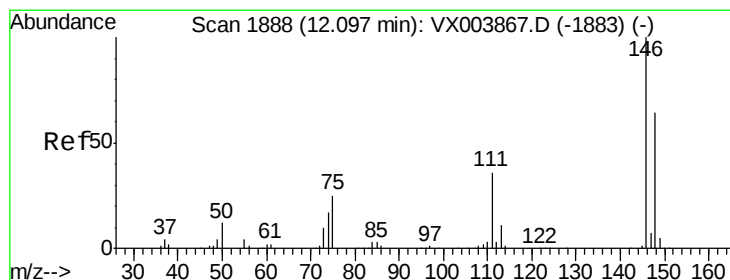
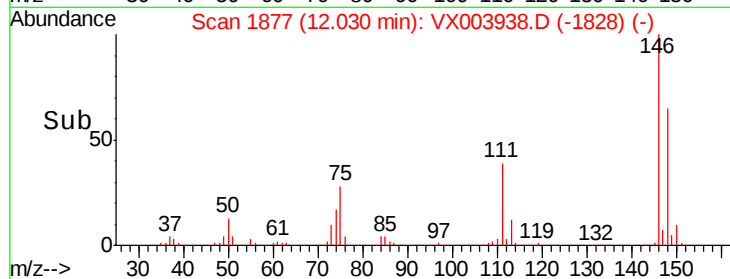
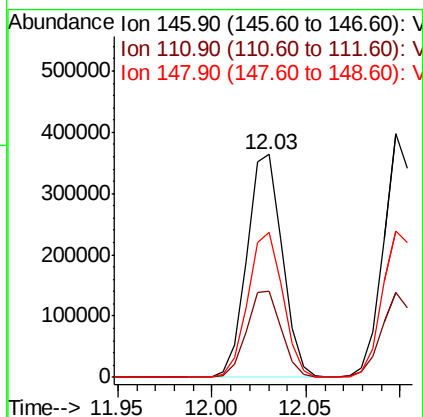
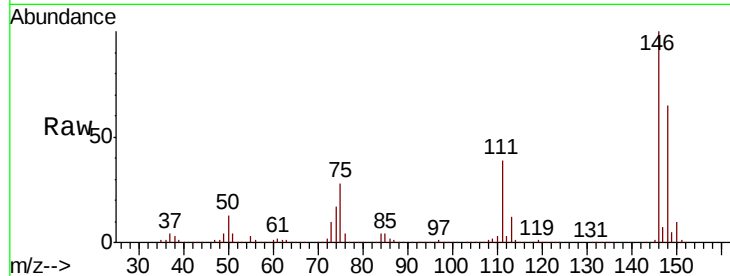




#87
 1,3-Dichlorobenzene
 Concen: 47.09 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX003938.D
 Acq: 08 Aug 2018 21:44

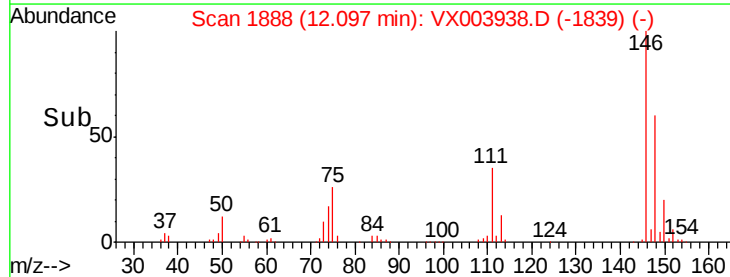
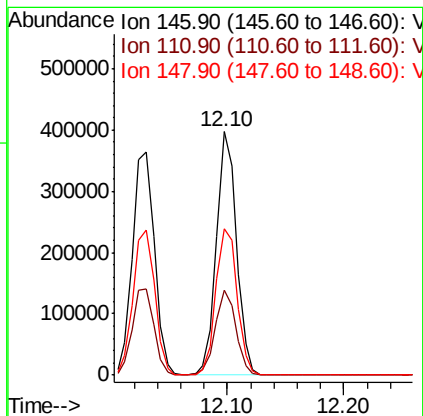
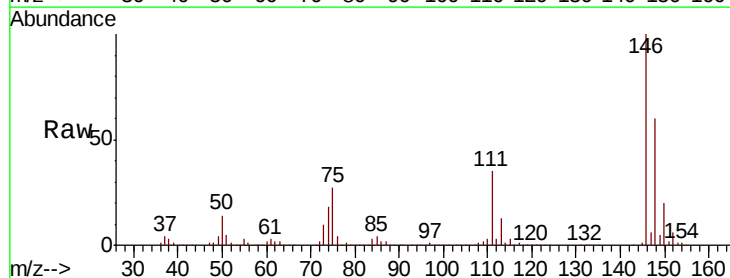
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

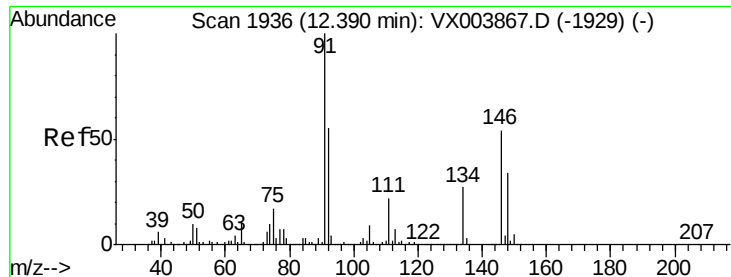
Tot Ion:146 Resp: 473210
 Ion Ratio Lower Upper
 146 100
 111 38.1 18.8 56.4
 148 64.2 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 48.67 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. 0.00 min
 Lab File: VX003938.D
 Acq: 08 Aug 2018 21:44

Tgt Ion:146 Resp: 469055
 Ion Ratio Lower Upper
 146 100
 111 36.0 18.4 55.0
 148 64.0 32.3 96.8





#89

n-Butylbenzene

Concen: 44.50 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. 0.00 min

Lab File: VX003938.D

Acq: 08 Aug 2018 21:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

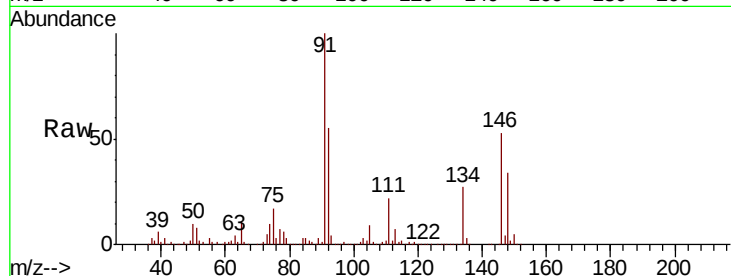
Tot Ion: 91 Resp: 671336

Ion Ratio Lower Upper

91 100

92 54.6 27.1 81.3

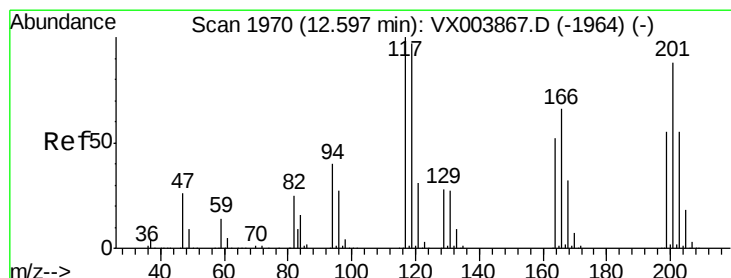
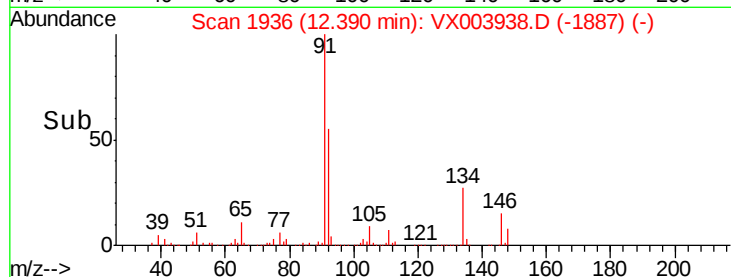
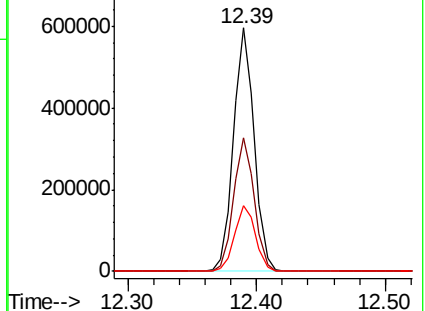
134 27.2 13.6 40.7



Abundance Ion 91.00 (90.70 to 91.70): VX003867.D (-1929) (-)

Ion 92.00 (91.70 to 92.70): VX003867.D (-1929) (-)

Ion 134.00 (133.70 to 134.70): VX003867.D (-1929) (-)



#90

Hexachloroethane

Concen: 43.78 ug/l

RT: 12.60 min Scan# 1970

Delta R.T. 0.00 min

Lab File: VX003938.D

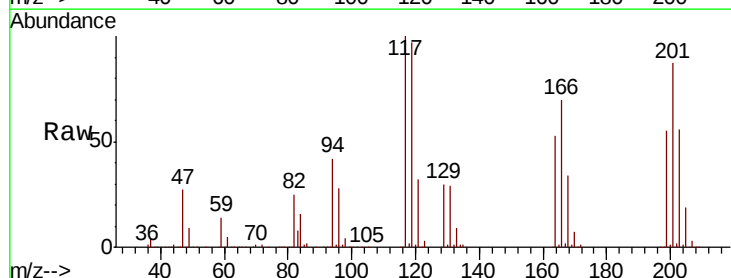
Acq: 08 Aug 2018 21:44

Tgt Ion: 117 Resp: 123056

Ion Ratio Lower Upper

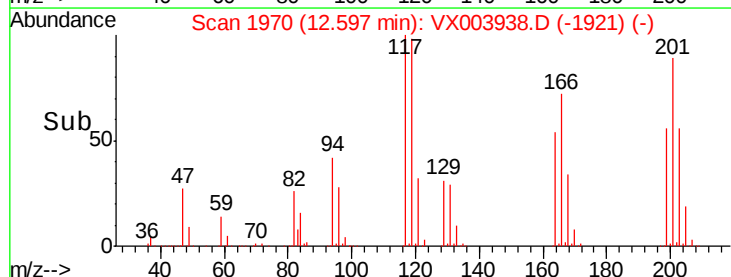
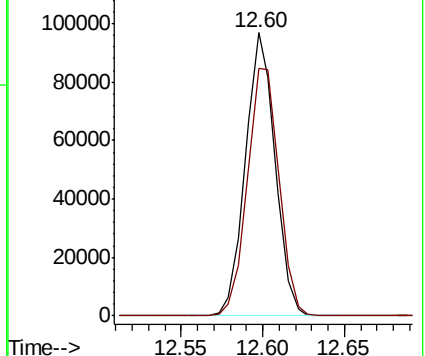
117 100

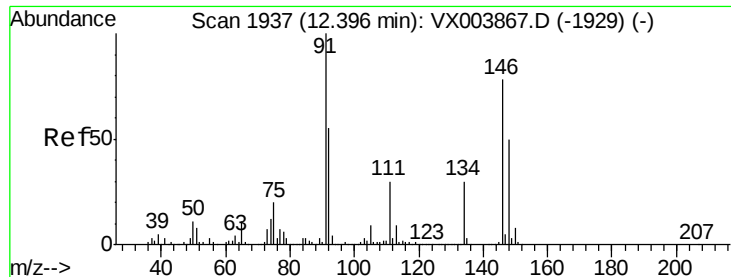
201 93.3 46.1 138.2



Abundance Ion 116.80 (116.50 to 117.50): VX003867.D (-1964) (-)

Ion 200.70 (200.40 to 201.40): VX003867.D (-1964) (-)

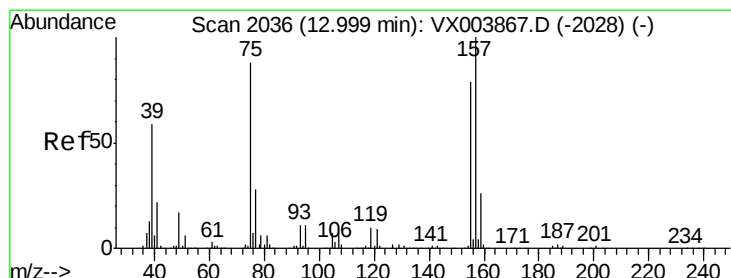
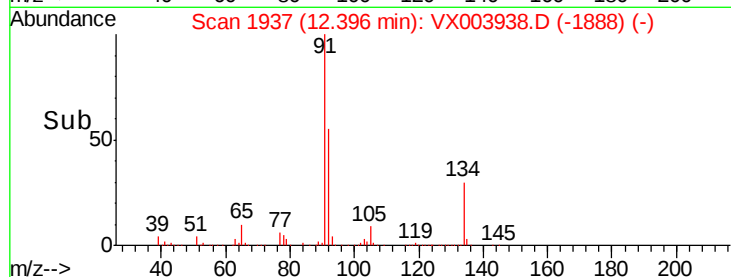
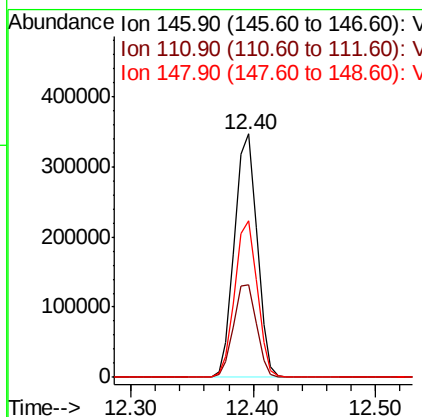
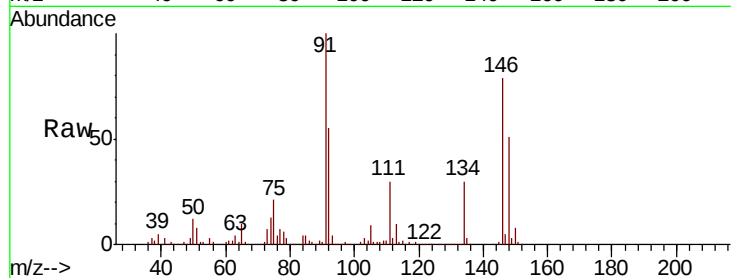




#91
 1,2-Dichlorobenzene
 Concen: 44.37 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX003938.D
 Acq: 08 Aug 2018 21:44

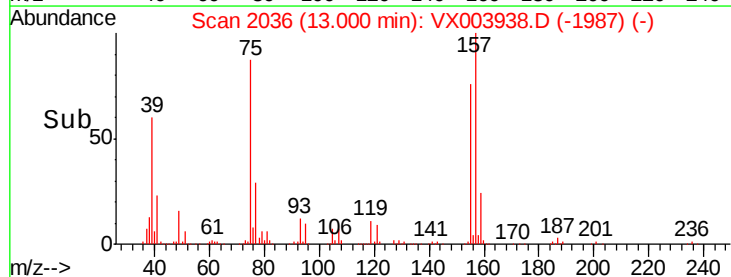
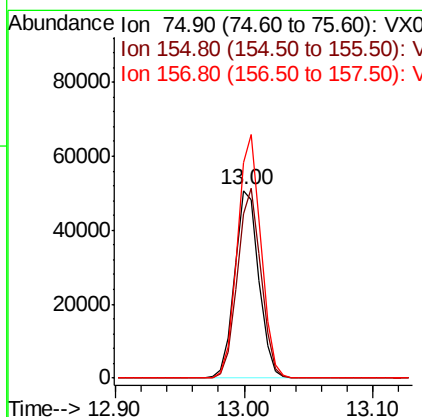
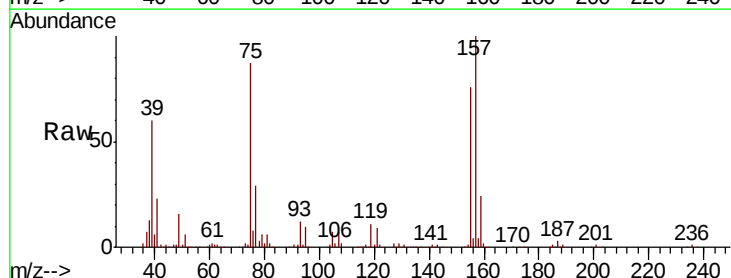
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

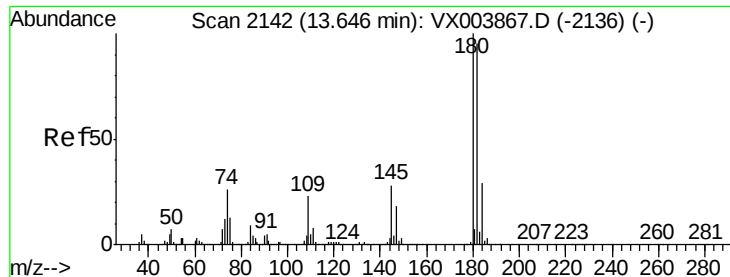
Tot Ion:146 Resp: 442009
 Ion Ratio Lower Upper
 146 100
 111 38.8 19.7 59.0
 148 63.7 31.9 95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.37 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VX003938.D
 Acq: 08 Aug 2018 21:44

Tgt Ion: 75 Resp: 66343
 Ion Ratio Lower Upper
 75 100
 155 97.8 48.7 146.1
 157 125.7 62.6 187.8

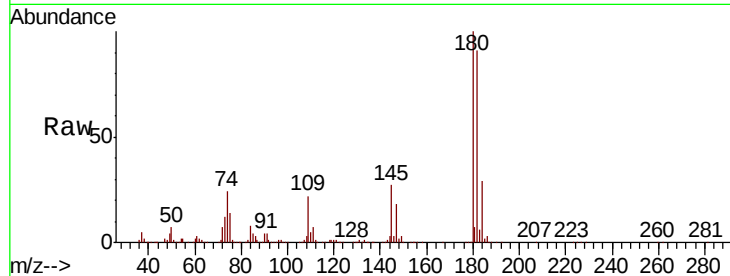




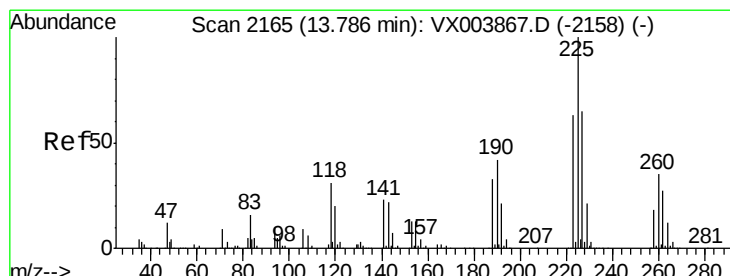
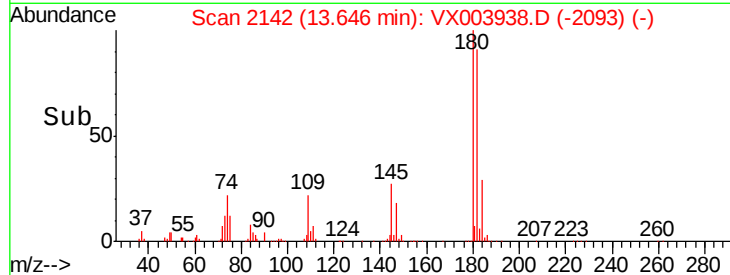
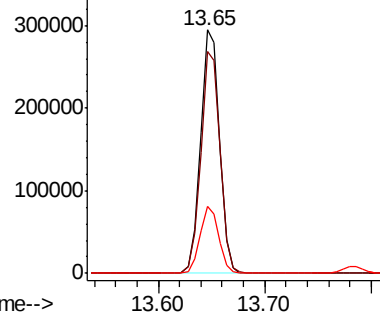
#93
 1,2,4-Trichlorobenzene
 Concen: 51.16 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VX003938.D
 Acq: 08 Aug 2018 21:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.4	47.7	143.1
145	27.3	13.9	41.6

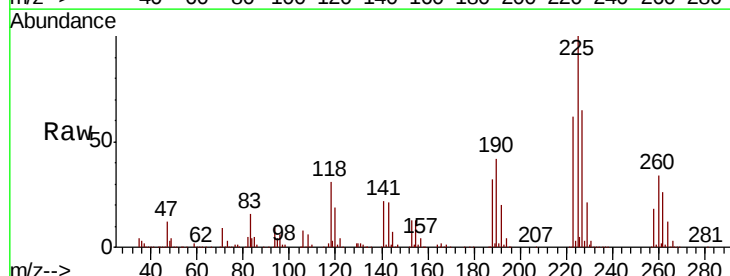


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

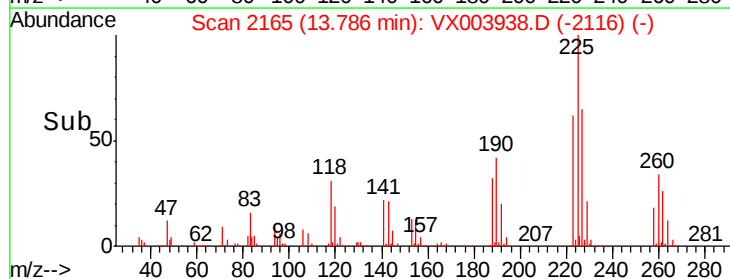
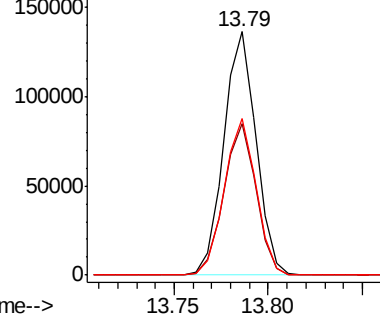


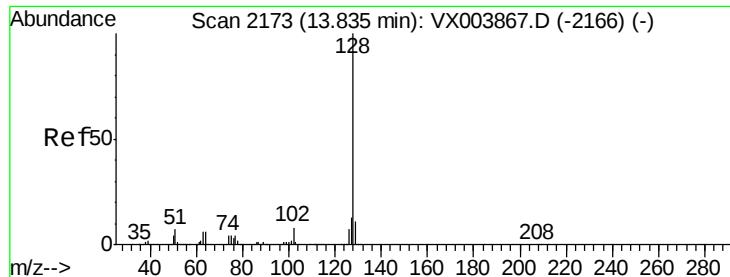
#94
 Hexachlorobutadiene
 Concen: 51.14 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003938.D
 Acq: 08 Aug 2018 21:44

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.2	31.4	94.0
227	63.7	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: 57.91 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. 0.00 min

Lab File: VX003938.D

Acq: 08 Aug 2018 21:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

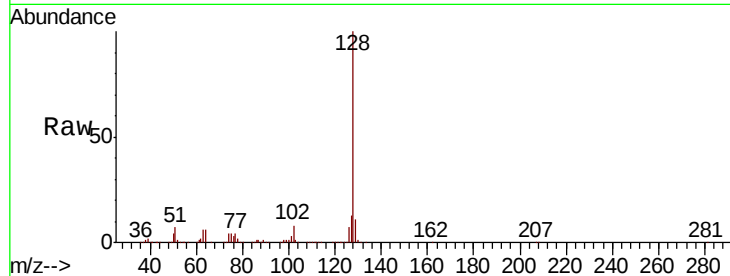
Tot Ion:128 Resp: 1188254

Ion Ratio Lower Upper

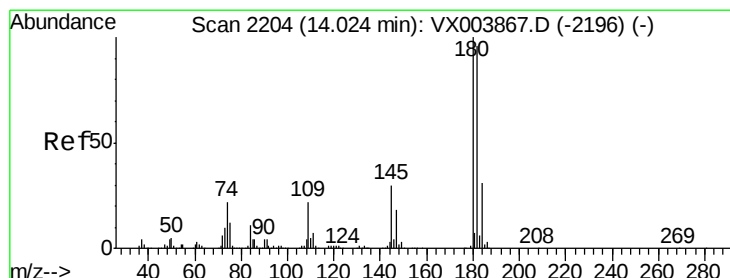
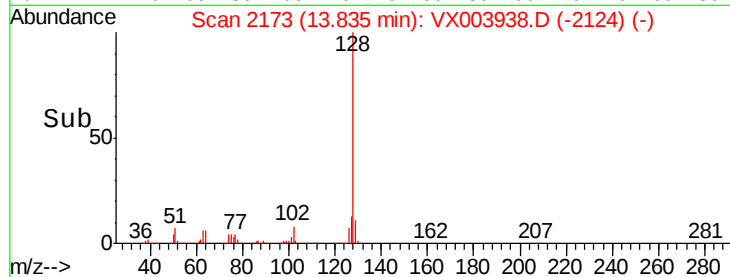
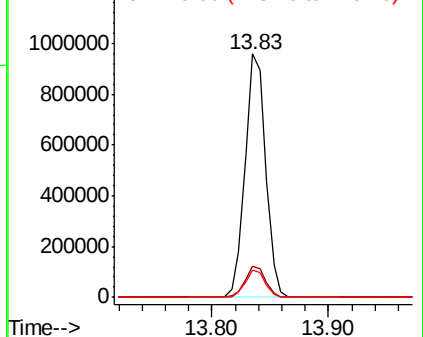
128 100

127 12.8 10.2 15.2

129 11.0 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: 52.55 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX003938.D

Acq: 08 Aug 2018 21:44

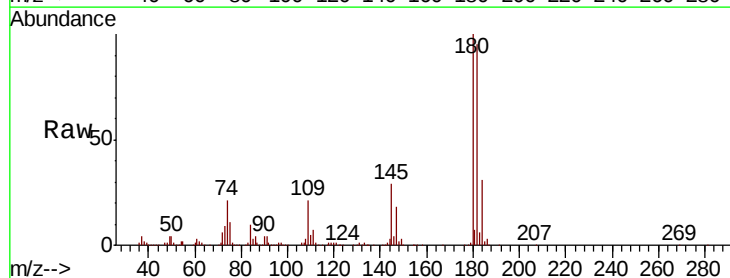
Tgt Ion:180 Resp: 375736

Ion Ratio Lower Upper

180 100

182 96.3 48.1 144.4

145 30.0 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

