

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082018\
 Data File : VX004164.D
 Acq On : 20 Aug 2018 20:14
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 21 01:07:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 13:27:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	306151	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	453349	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	439066	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	262446	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	205121	47.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.10%	
35) Dibromofluoromethane	5.51	113	168077	49.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.08%	
50) Toluene-d8	8.71	98	666000	48.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.82%	
62) 4-Bromofluorobenzene	11.14	95	244727	49.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.10%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.19	85	134466	45.12	ug/l	99
3) Chloromethane	1.32	50	172839	47.26	ug/l	100
4) Vinyl Chloride	1.40	62	182279	46.07	ug/l	100
5) Bromomethane	1.64	94	91116	45.42	ug/l	97
6) Chloroethane	1.72	64	125209	48.04	ug/l	98
7) Trichlorofluoromethane	1.92	101	251604	45.33	ug/l	97
8) Diethyl Ether	2.19	74	114012	47.05	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	157625	45.52	ug/l	99
10) Methyl Iodide	2.51	142	154129	42.51	ug/l	99
11) Tert butyl alcohol	3.08	59	207658	239.06	ug/l	100
12) 1,1-Dichloroethene	2.37	96	149427	46.40	ug/l	98
13) Acrolein	2.29	56	147545	250.34	ug/l	98
14) Allyl chloride	2.72	41	286438	46.74	ug/l	99
15) Acrylonitrile	3.15	53	507953	234.54	ug/l	98
16) Acetone	2.45	43	517794	230.88	ug/l	100
17) Carbon Disulfide	2.56	76	394209	43.15	ug/l	99
18) Methyl Acetate	2.78	43	264368	53.05	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	537122	47.34	ug/l	100
20) Methylene Chloride	2.86	84	178122	48.58	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	164290	44.92	ug/l	92
22) Diisopropyl ether	3.87	45	558099	46.48	ug/l	98
23) Vinyl Acetate	3.82	43	2272787	230.44	ug/l	98
24) 1,1-Dichloroethane	3.69	63	309086	45.44	ug/l	99
25) 2-Butanone	4.70	43	831098	227.76	ug/l	100
26) 2,2-Dichloropropane	4.58	77	218835	40.47	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	192165	46.72	ug/l	95
28) Bromochloromethane	5.01	49	153091	49.06	ug/l	100
29) Tetrahydrofuran	5.16	42	424405	227.65	ug/l	99
30) Chloroform	5.21	83	309859	46.68	ug/l	94
31) Cyclohexane	5.57	56	270452	45.36	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	264948	47.76	ug/l	99
36) 1,1-Dichloropropene	5.79	75	238242	46.18	ug/l	99
37) Ethyl Acetate	4.85	43	248295	44.20	ug/l	99
38) Carbon Tetrachloride	5.78	117	236220	47.13	ug/l	96

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 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 13:27:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	280426	47.92	ug/l	99
40) Benzene	6.14	78	740621	47.81	ug/l	99
41) Methacrylonitrile	5.06	41	141654	45.02	ug/l	99
42) 1,2-Dichloroethane	6.20	62	254759	46.98	ug/l	100
43) Isopropyl Acetate	6.46	43	394428	47.63	ug/l	100
44) Trichloroethene	7.21	130	197710	47.01	ug/l	93
45) 1,2-Dichloropropane	7.52	63	191868	48.38	ug/l	99
46) Dibromomethane	7.67	93	125135	48.29	ug/l	100
47) Bromodichloromethane	7.90	83	242601	49.43	ug/l	99
48) Methyl methacrylate	7.78	41	209947	50.37	ug/l	99
49) 1,4-Dioxane	7.76	88	95143	1013.79	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	1699364	250.29	ug/l	99
52) Toluene	8.79	92	479404	48.93	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	270439	51.00	ug/l	100
54) cis-1,3-Dichloropropene	8.44	75	293751	50.03	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	194401	48.05	ug/l	98
56) Ethyl methacrylate	9.18	69	288769	52.49	ug/l	99
57) 1,3-Dichloropropane	9.37	76	329032	49.02	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	724363	258.57	ug/l	100
59) 2-Hexanone	9.50	43	1304373	255.26	ug/l	100
60) Dibromochloromethane	9.59	129	196869	50.57	ug/l	99
61) 1,2-Dibromoethane	9.67	107	202722	49.15	ug/l	100
64) Tetrachloroethene	9.34	164	183434	44.08	ug/l	94
65) Chlorobenzene	10.14	112	531179	46.83	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.23	131	189857	49.08	ug/l	98
67) Ethyl Benzene	10.25	91	882804	49.15	ug/l	96
68) m/p-Xylenes	10.36	106	698589	99.33	ug/l	98
69) o-Xylene	10.70	106	331486	49.32	ug/l	98
70) Styrene	10.71	104	569292	50.33	ug/l	97
71) Bromoform	10.86	173	145819	47.54	ug/l #	100
73) Isopropylbenzene	11.02	105	926656	52.18	ug/l	97
74) N-amyl acetate	6.46	43	394428	47.22	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	310737	50.10	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	339660	64.54	ug/l	85
77) Bromobenzene	11.26	156	245415	50.13	ug/l	99
78) n-propylbenzene	11.36	91	1058540	53.26	ug/l	100
79) 2-Chlorotoluene	11.42	91	625704	51.66	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	735967	50.61	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	83809	49.29	ug/l	99
82) 4-Chlorotoluene	11.51	91	725806	50.69	ug/l	98
83) tert-Butylbenzene	11.77	119	765246	52.19	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	793295	52.67	ug/l	100
85) sec-Butylbenzene	11.94	105	904544	52.71	ug/l	100
86) p-Isopropyltoluene	12.07	119	814837	52.45	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	460801	49.35	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	454780	47.32	ug/l	99
89) n-Butylbenzene	12.39	91	634608	51.84	ug/l	98
90) Hexachloroethane	12.60	117	114149	49.11	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	425061	50.47	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	53409	49.00	ug/l	99

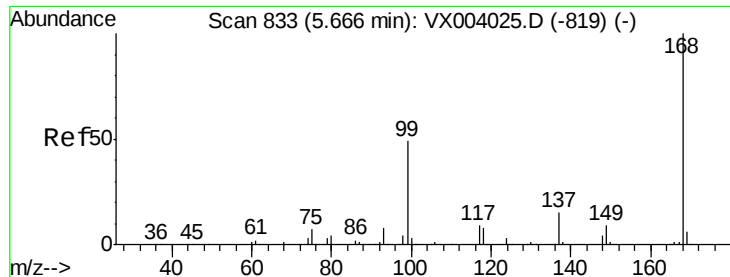
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	316690	55.01	ug/l	98
94) Hexachlorobutadiene	13.78	225	141397	49.00	ug/l	99
95) Naphthalene	13.83	128	954497	51.97	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	338114	53.86	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.01 min

Lab File: VX004164.D

Acq: 20 Aug 2018 20:14

Instrument :

MSVOA_X

ClientSampleId :

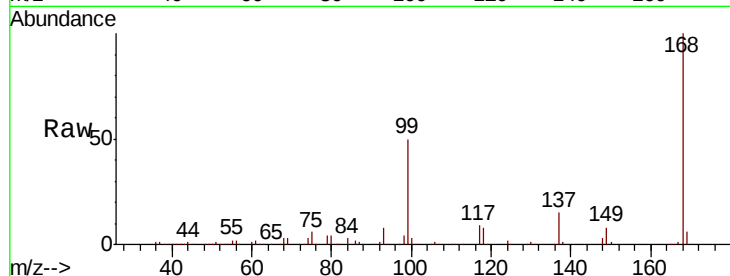
VSTDCCC050EC

Tot Ion:168 Resp: 306151

Ion Ratio Lower Upper

168 100

99 49.9 40.1 60.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

120000

100000

80000

60000

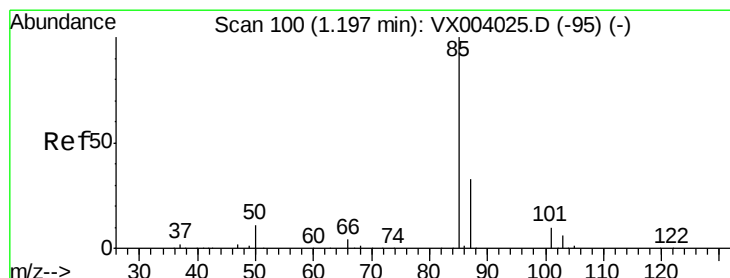
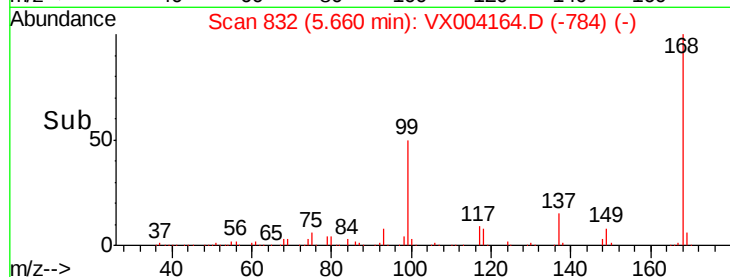
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 45.12 ug/l

RT: 1.19 min Scan# 99

Delta R.T. -0.01 min

Lab File: VX004164.D

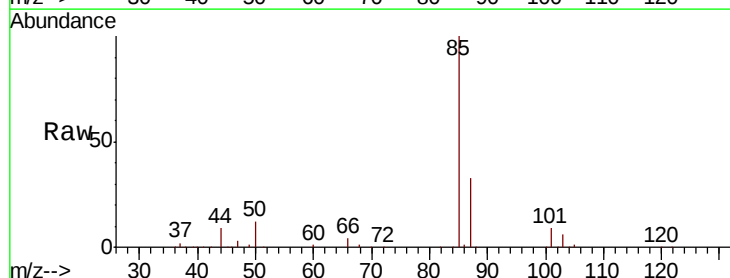
Acq: 20 Aug 2018 20:14

Tgt Ion: 85 Resp: 134466

Ion Ratio Lower Upper

85 100

87 32.5 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

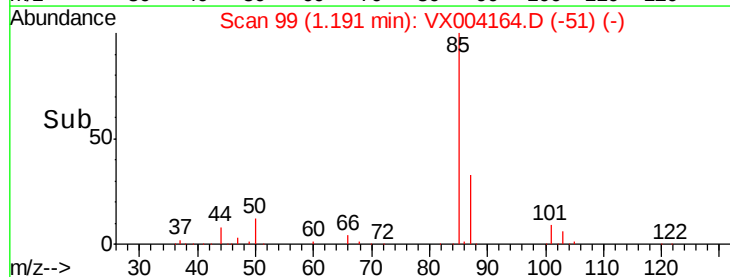
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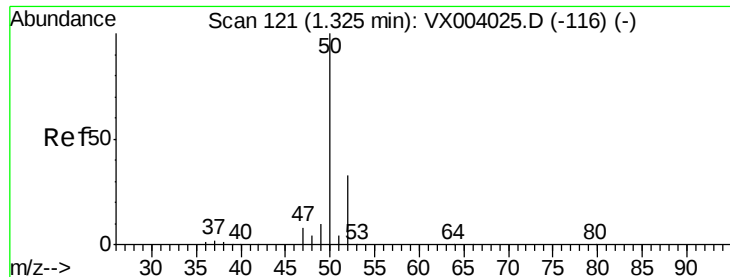
50000

0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 47.26 ug/l

RT: 1.32 min Scan# 120

Delta R.T. -0.01 min

Lab File: VX004164.D

Acq: 20 Aug 2018 20:14

Instrument :

MSVOA_X

ClientSampleId :

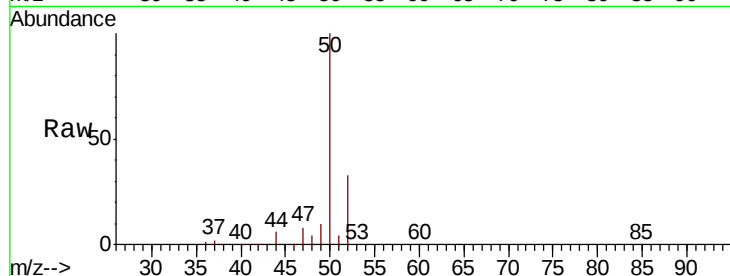
VSTDCCC050EC

Tot Ion: 50 Resp: 172839

Ion Ratio Lower Upper

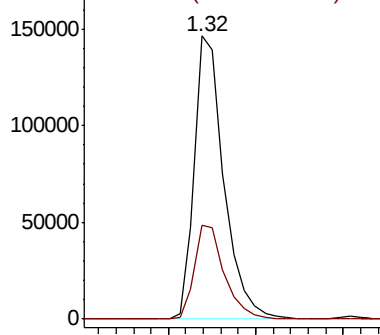
50 100

52 33.0 26.6 39.8

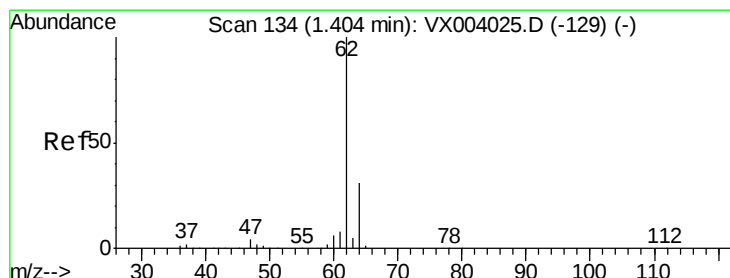
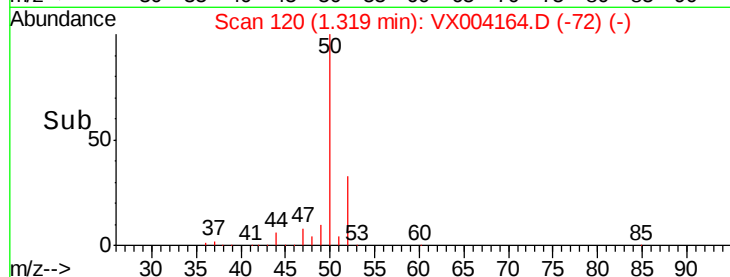


Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



Time-->



#4

Vinyl Chloride

Concen: 46.07 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX004164.D

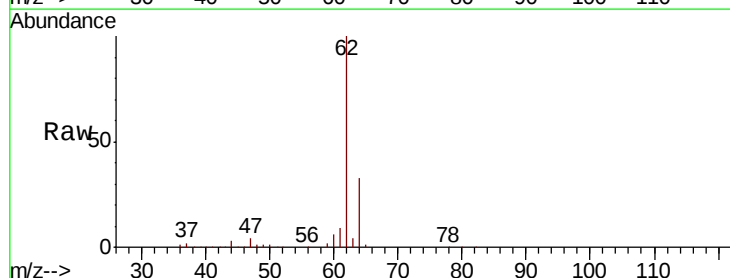
Acq: 20 Aug 2018 20:14

Tgt Ion: 62 Resp: 182279

Ion Ratio Lower Upper

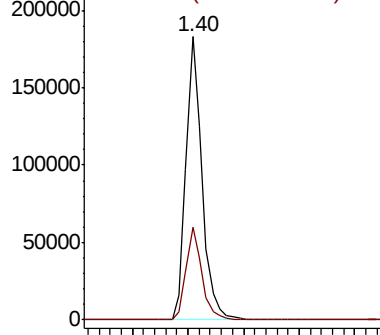
62 100

64 32.5 26.0 39.0

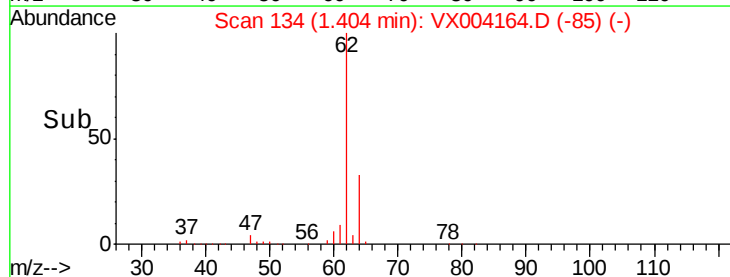


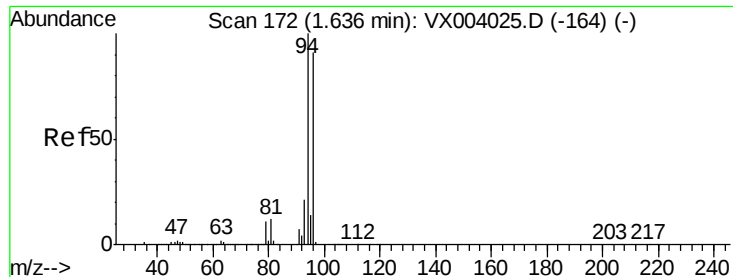
Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



Time-->





#5

Bromomethane

Concen: 45.42 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX004164.D

Acq: 20 Aug 2018 20:14

Instrument :

MSVOA_X

ClientSampleId :

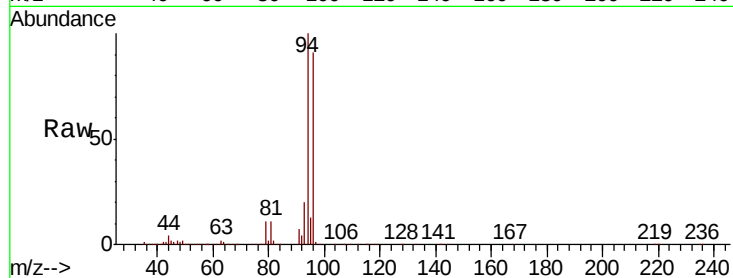
VSTDCCC050EC

Tot Ion: 94 Resp: 91116

Ion Ratio Lower Upper

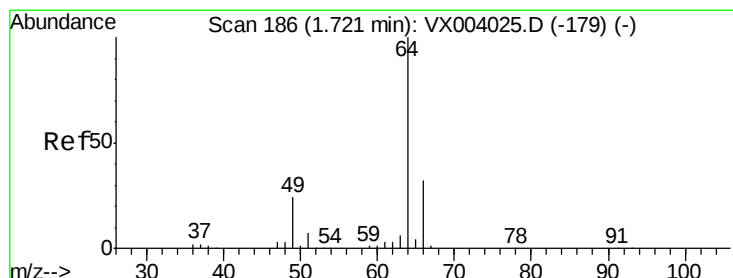
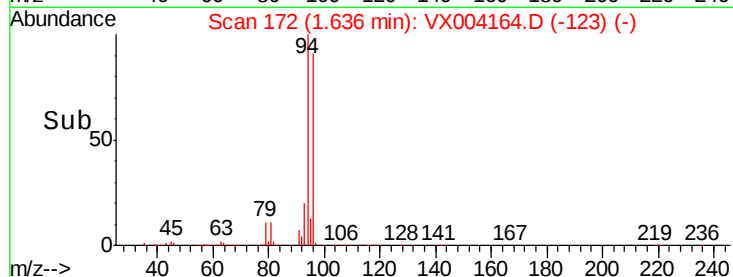
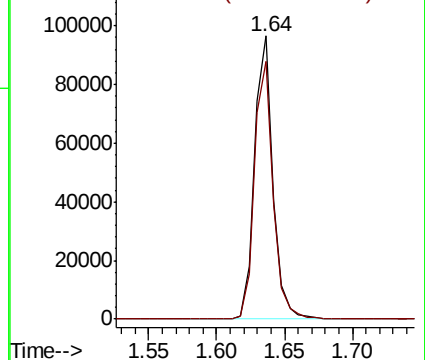
94 100

96 91.2 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: 48.04 ug/l

RT: 1.72 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX004164.D

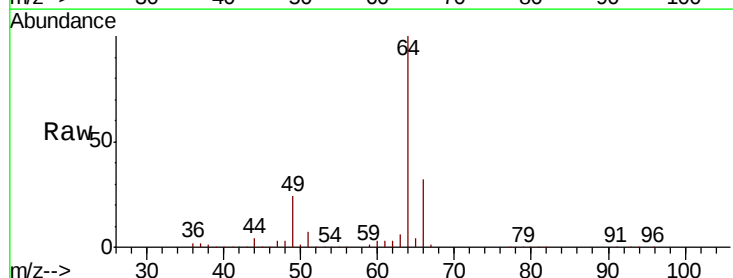
Acq: 20 Aug 2018 20:14

Tgt Ion: 64 Resp: 125209

Ion Ratio Lower Upper

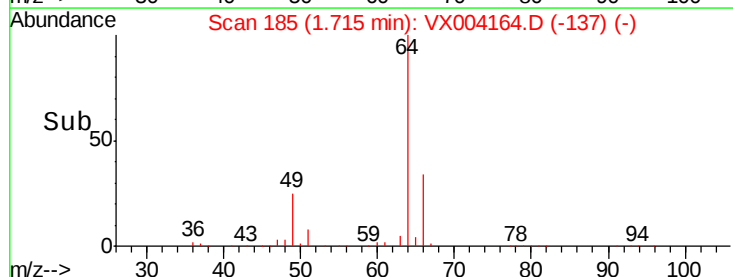
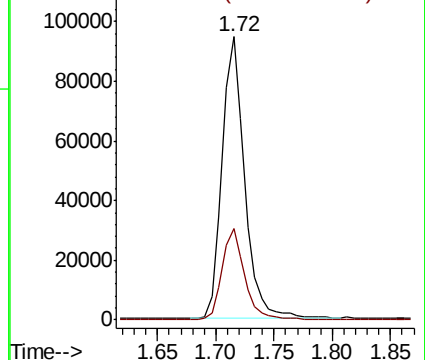
64 100

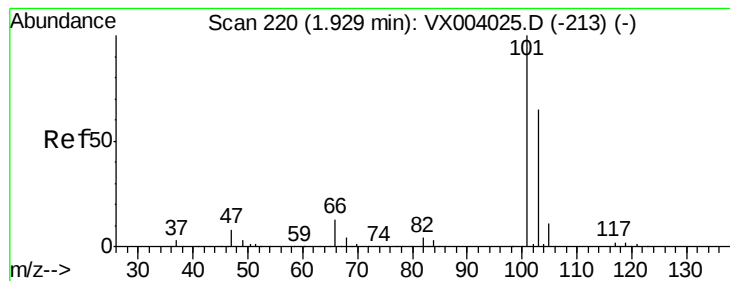
66 32.2 26.5 39.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



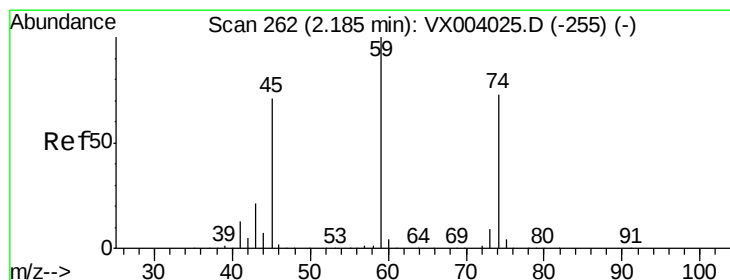
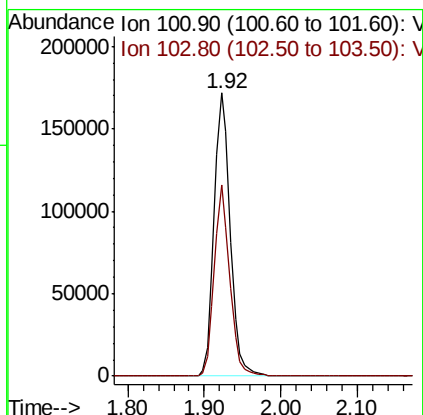
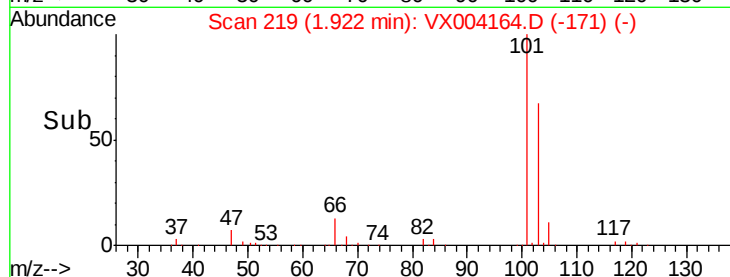
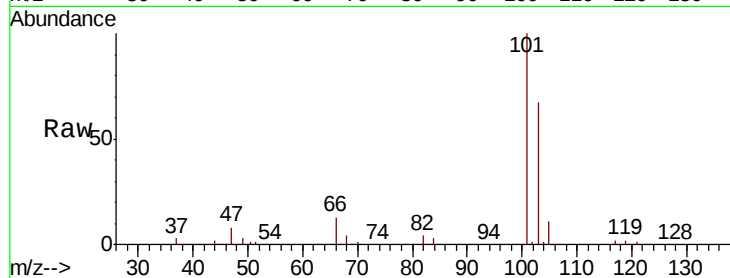


#7

Trichlorofluoromethane
 Concen: 45.33 ug/l
 RT: 1.92 min Scan# 219
 Delta R.T. -0.01 min
 Lab File: VX004164.D
 Acq: 20 Aug 2018 20:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

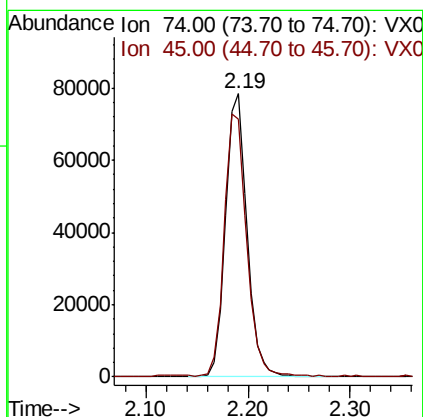
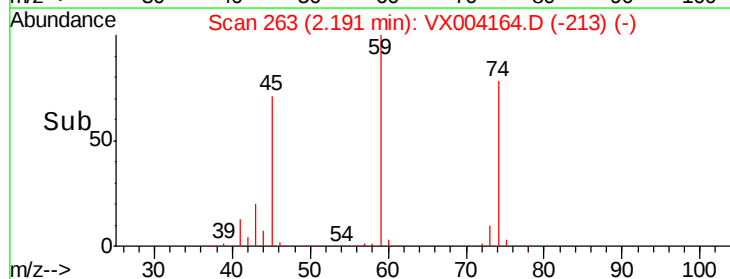
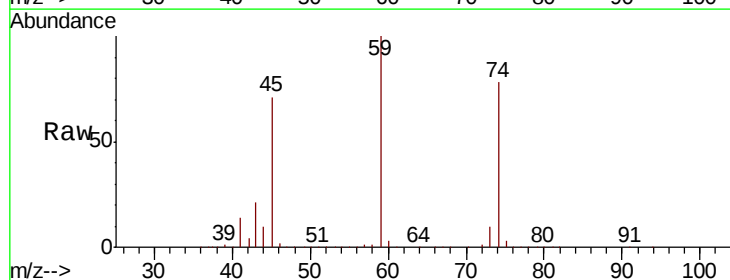
Tot Ion:101 Resp: 251604
 Ion Ratio Lower Upper
 101 100
 103 67.5 52.3 78.5

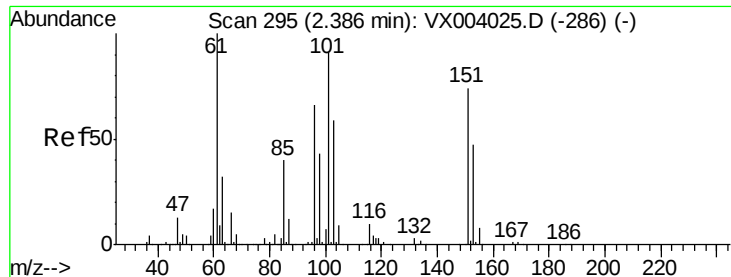


#8

Diethyl Ether
 Concen: 47.05 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.01 min
 Lab File: VX004164.D
 Acq: 20 Aug 2018 20:14

Tgt Ion: 74 Resp: 114012
 Ion Ratio Lower Upper
 74 100
 45 96.2 48.3 144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.52 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.01 min

Lab File: VX004164.D

Acq: 20 Aug 2018 20:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

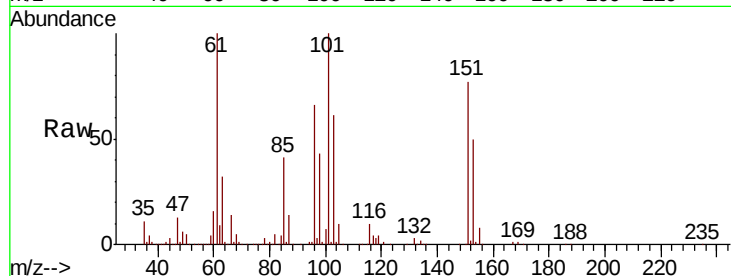
Tot Ion:101 Resp: 157625

Ion Ratio Lower Upper

101 100

85 43.5 34.2 51.4

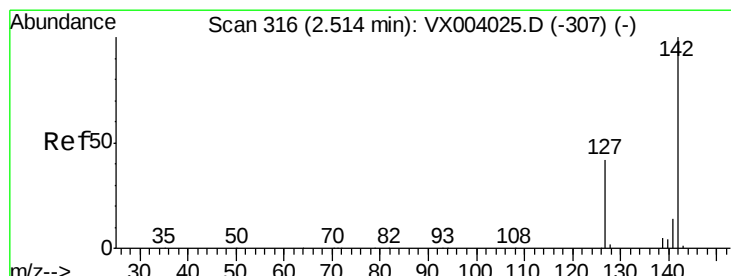
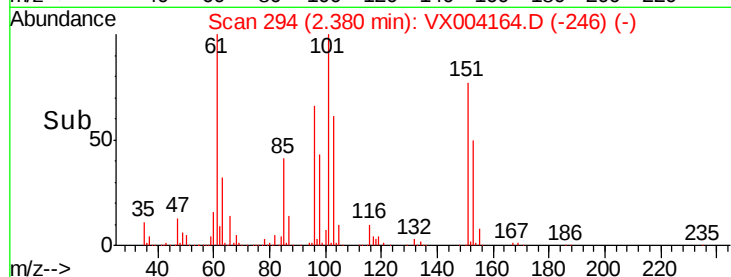
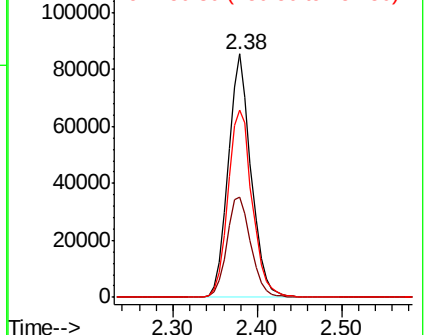
151 81.4 65.0 97.4



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: 42.51 ug/l

RT: 2.51 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX004164.D

Acq: 20 Aug 2018 20:14

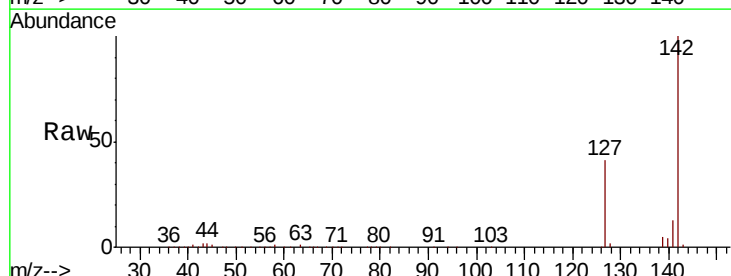
Tgt Ion:142 Resp: 154129

Ion Ratio Lower Upper

142 100

127 41.1 33.1 49.7

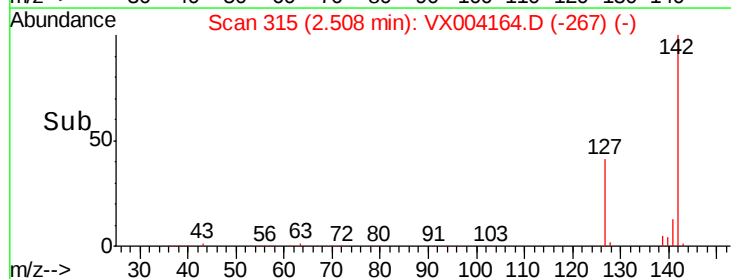
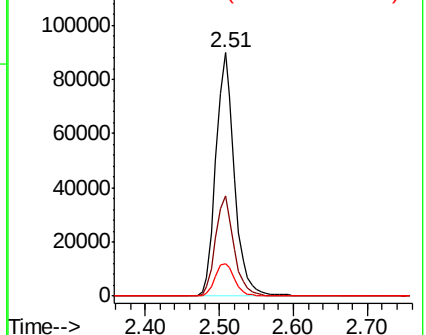
141 14.3 11.1 16.7

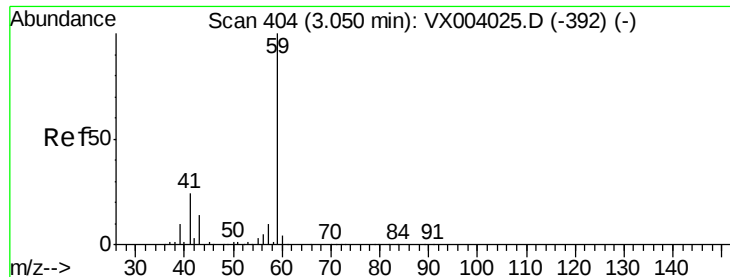


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

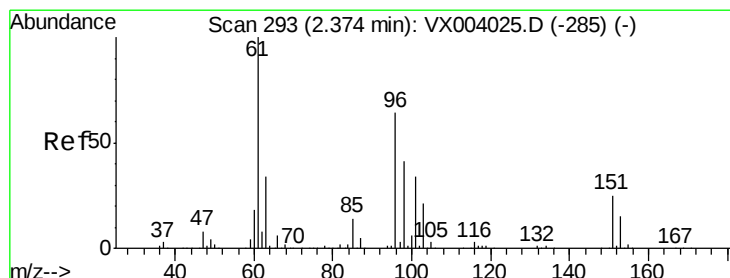
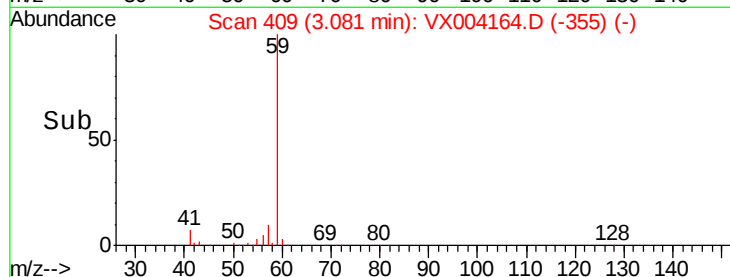
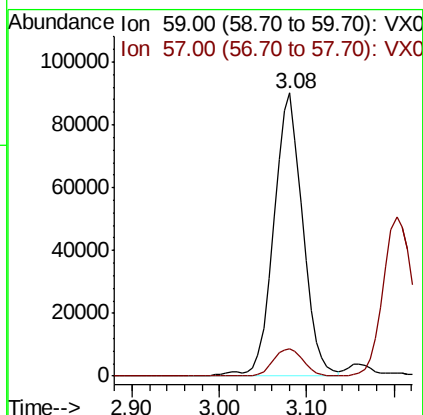
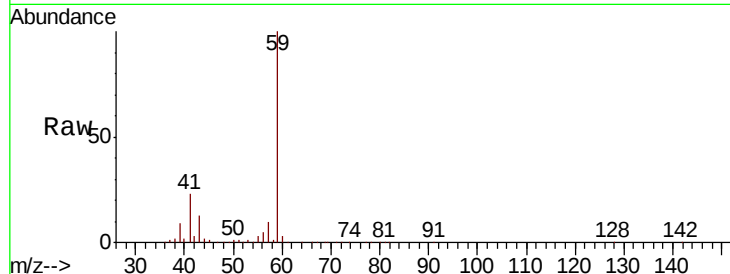




#11
Tert butyl alcohol
Concen: 239.06 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.03 min
Lab File: VX004164.D
Acq: 20 Aug 2018 20:14

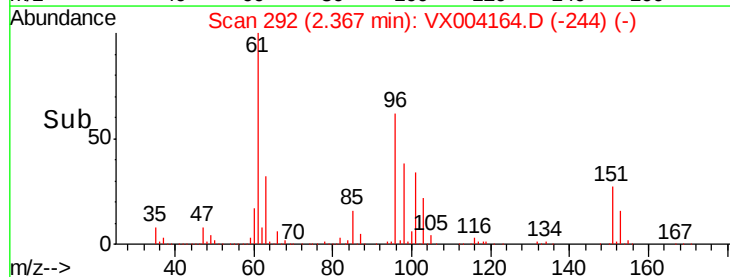
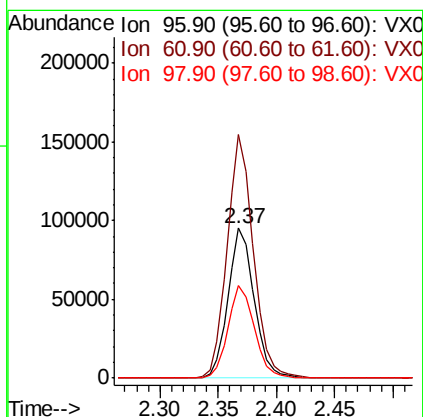
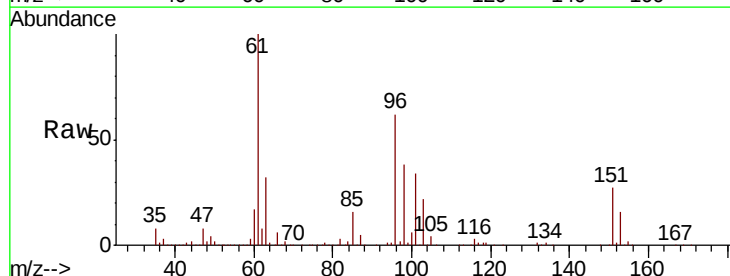
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

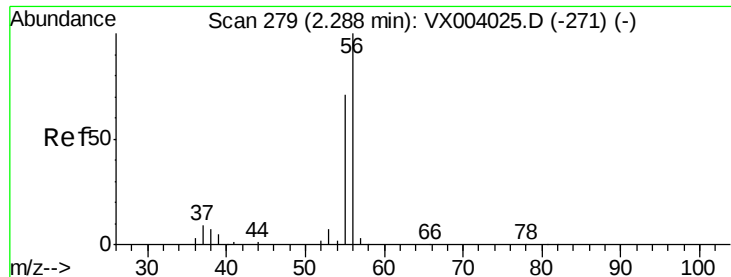
Tot Ion: 59 Resp: 207658
Ion Ratio Lower Upper
59 100
57 10.2 8.1 12.1



#12
1,1-Dichloroethene
Concen: 46.40 ug/l
RT: 2.37 min Scan# 292
Delta R.T. -0.01 min
Lab File: VX004164.D
Acq: 20 Aug 2018 20:14

Tgt Ion: 96 Resp: 149427
Ion Ratio Lower Upper
96 100
61 162.2 131.3 196.9
98 62.0 51.8 77.6





#13

Acrolein

Concen: 250.34 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX004164.D

Acq: 20 Aug 2018 20:14

Instrument :

MSVOA_X

ClientSampleId :

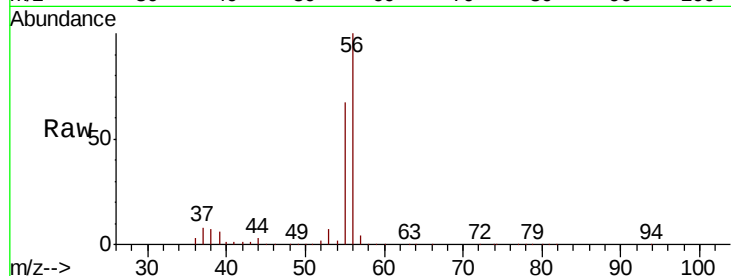
VSTDCCC050EC

Tot Ion: 56 Resp: 147545

Ion Ratio Lower Upper

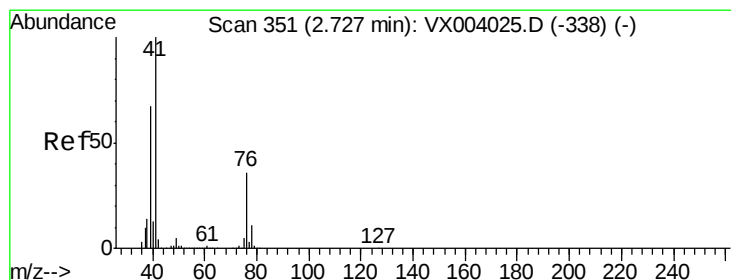
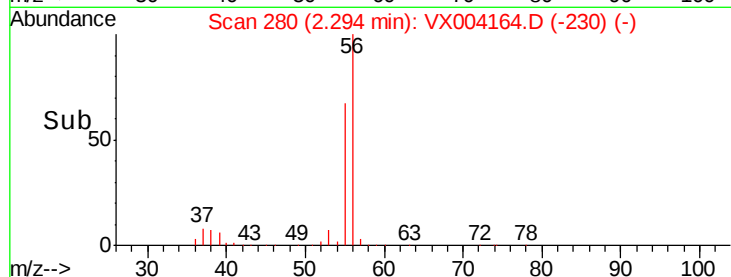
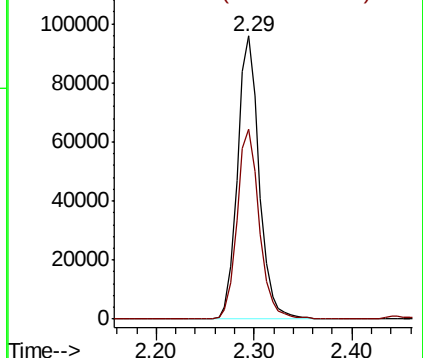
56 100

55 68.3 56.1 84.1



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 46.74 ug/l

RT: 2.72 min Scan# 350

Delta R.T. -0.01 min

Lab File: VX004164.D

Acq: 20 Aug 2018 20:14

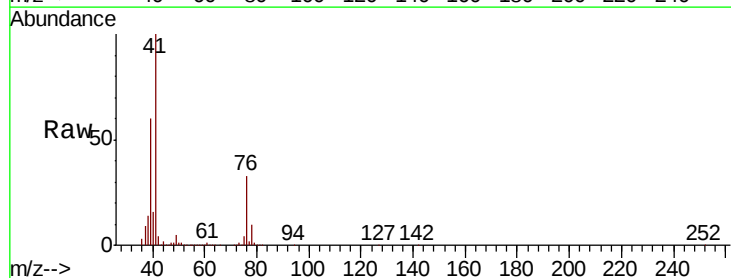
Tgt Ion: 41 Resp: 286438

Ion Ratio Lower Upper

41 100

39 59.9 47.4 71.0

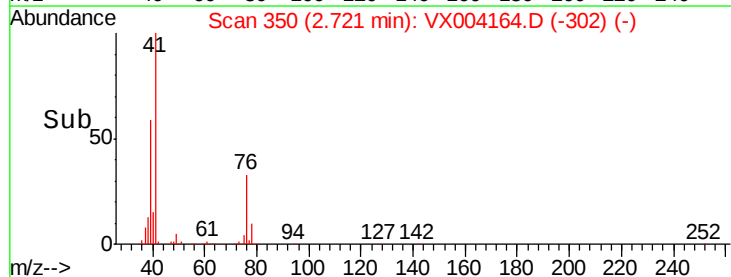
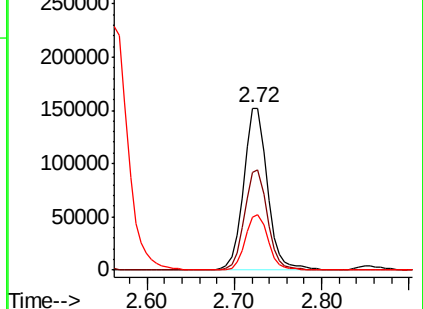
76 33.0 26.0 39.0

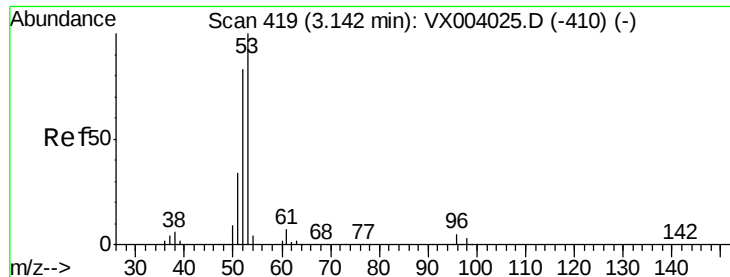


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 234.54 ug/l

RT: 3.15 min Scan# 420

Delta R.T. 0.01 min

Lab File: VX004164.D

Acq: 20 Aug 2018 20:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

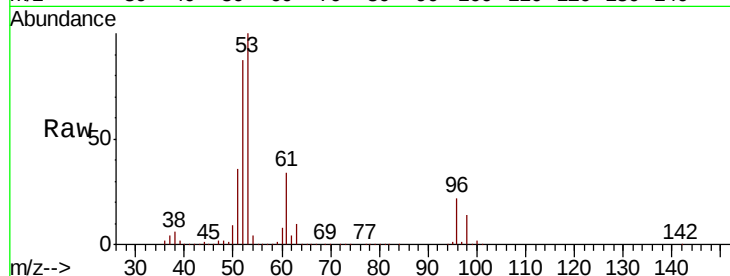
Tot Ion: 53 Resp: 507953

Ion Ratio Lower Upper

53 100

52 83.4 65.3 97.9

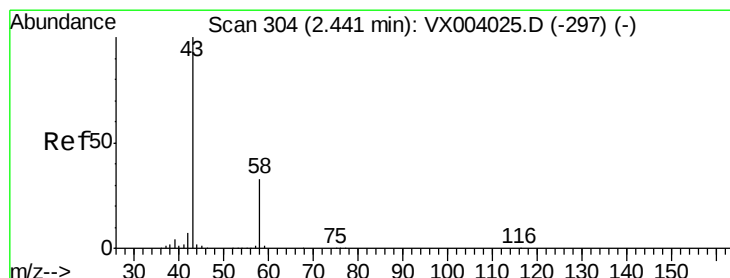
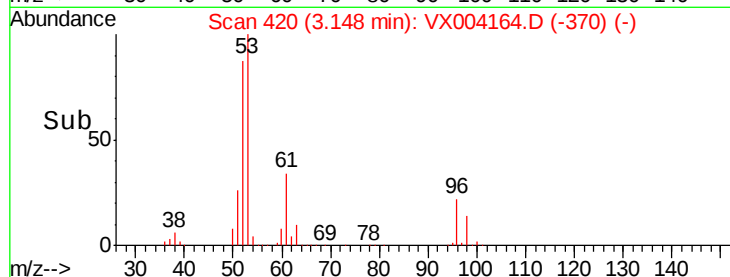
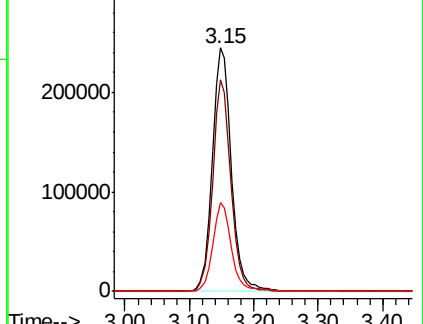
51 35.5 27.9 41.9



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: 230.88 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.01 min

Lab File: VX004164.D

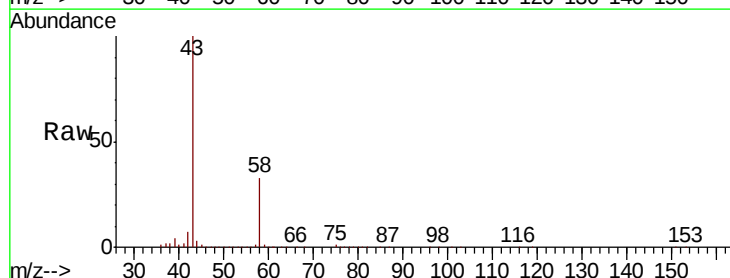
Acq: 20 Aug 2018 20:14

Tgt Ion: 43 Resp: 517794

Ion Ratio Lower Upper

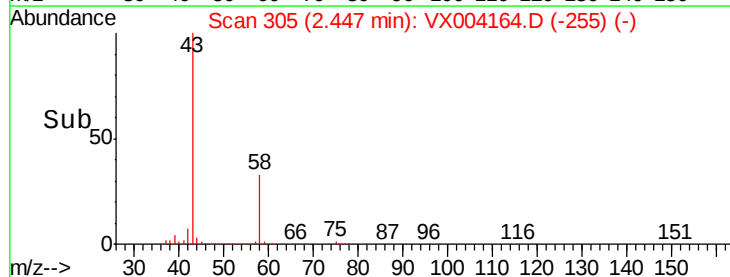
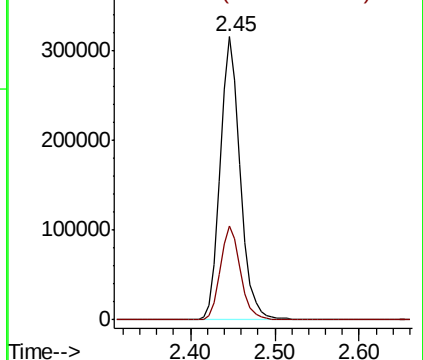
43 100

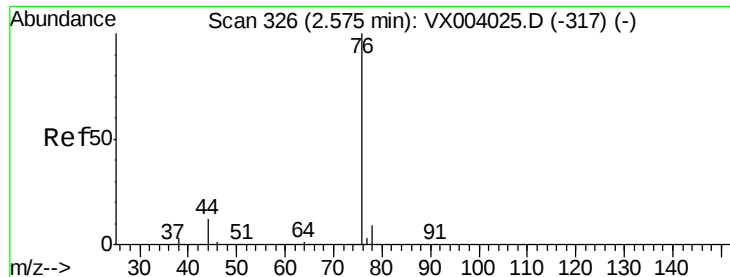
58 33.1 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

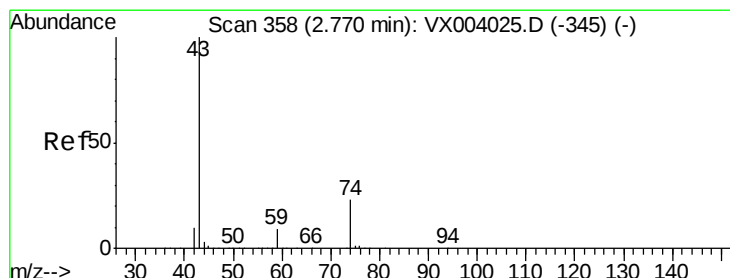
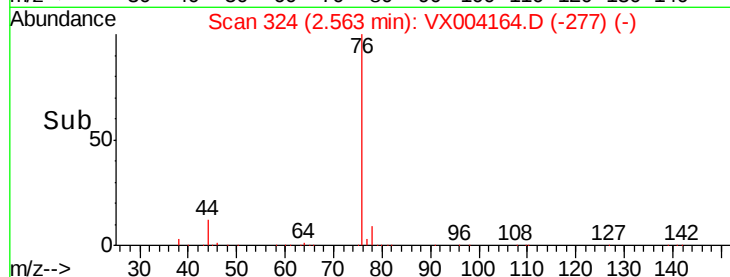
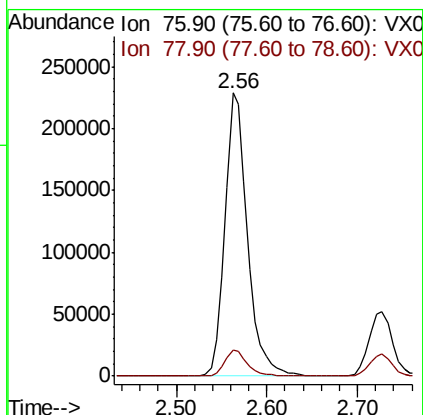
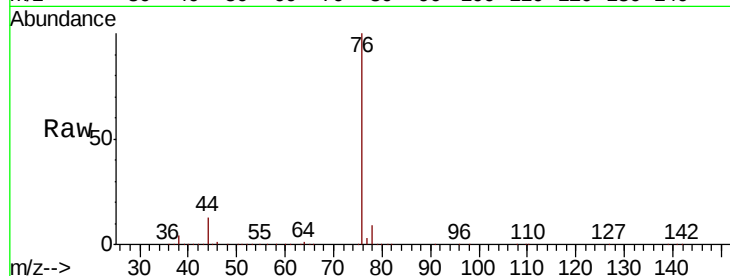




#17
Carbon Disulfide
Concen: 43.15 ug/l
RT: 2.56 min Scan# 324
Delta R.T. -0.01 min
Lab File: VX004164.D
Acq: 20 Aug 2018 20:14

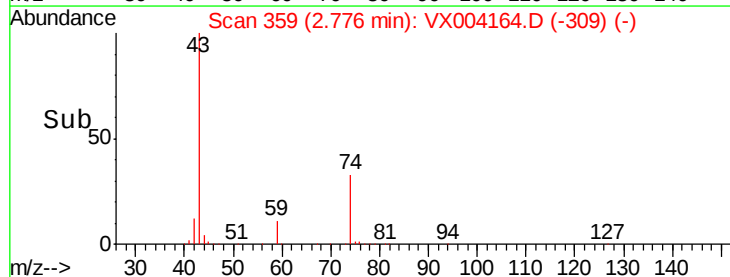
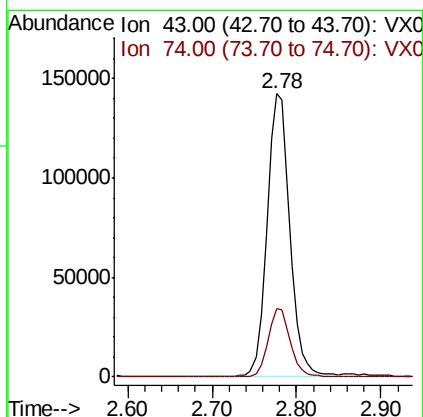
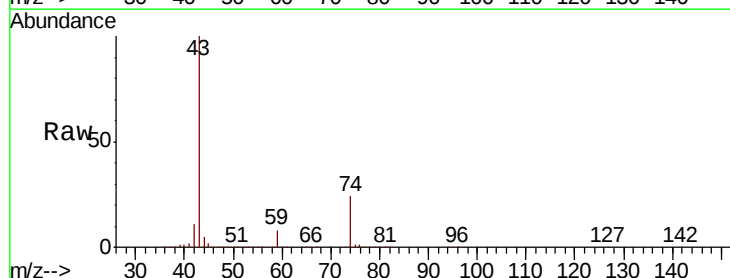
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

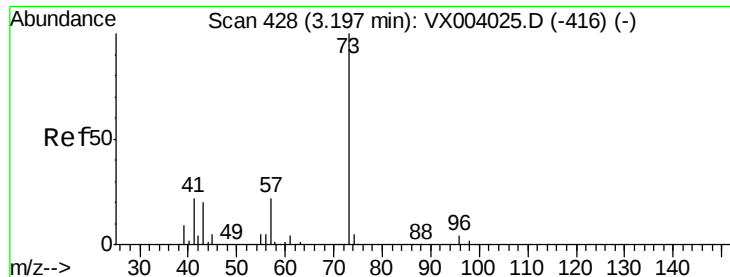
Tot Ion: 76 Resp: 394209
Ion Ratio Lower Upper
76 100
78 9.0 7.5 11.3



#18
Methyl Acetate
Concen: 53.05 ug/l
RT: 2.78 min Scan# 359
Delta R.T. 0.01 min
Lab File: VX004164.D
Acq: 20 Aug 2018 20:14

Tgt Ion: 43 Resp: 264368
Ion Ratio Lower Upper
43 100
74 23.9 18.9 28.3

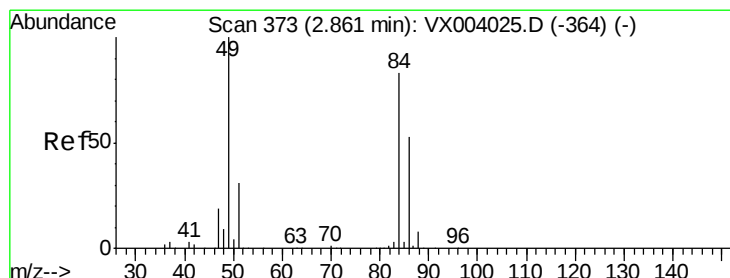
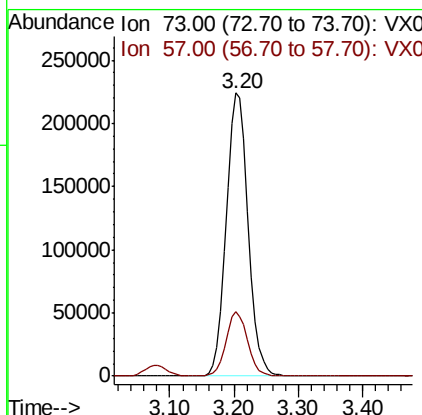
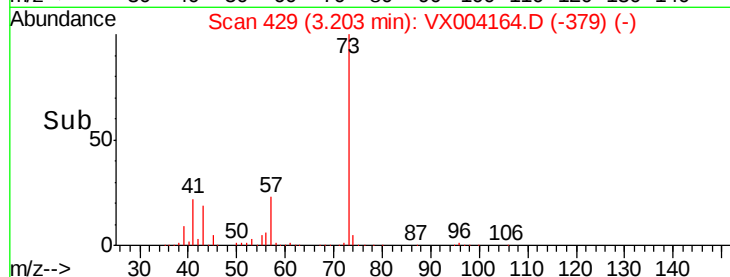
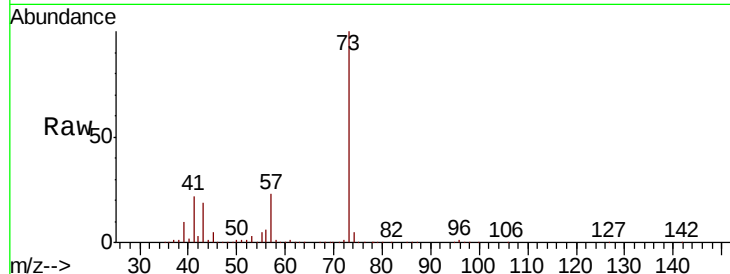




#19
Methvl tert-butvl Ether
Concen: 47.34 ug/l
RT: 3.20 min Scan# 429
Delta R.T. 0.01 min
Lab File: VX004164.D
Acq: 20 Aug 2018 20:14

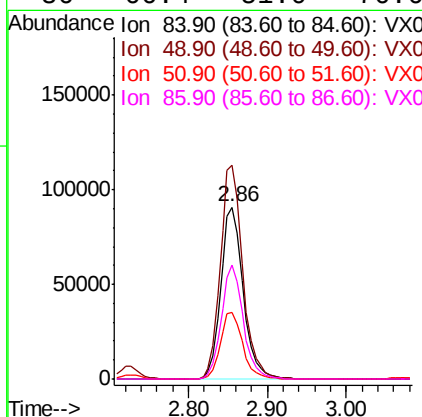
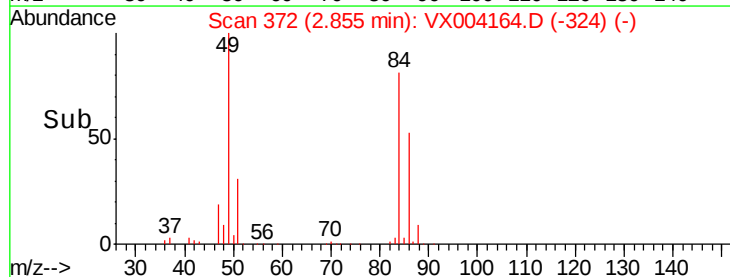
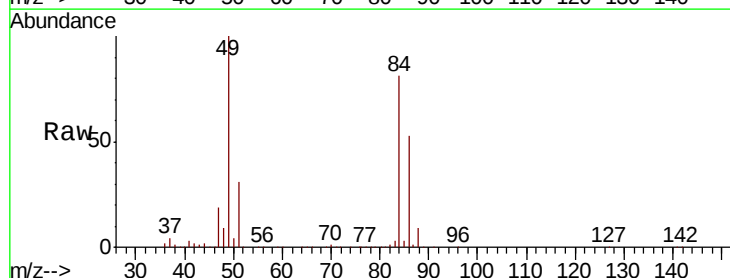
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

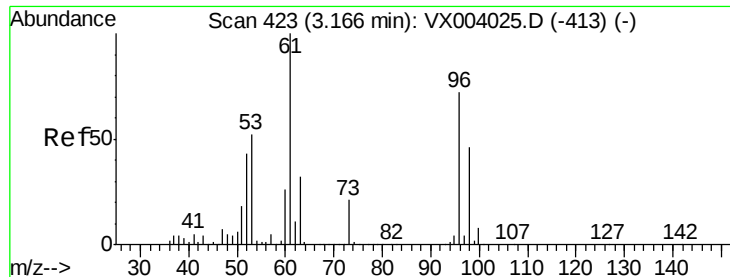
Tot Ion: 73 Resp: 537122
Ion Ratio Lower Upper
73 100
57 22.7 18.0 27.0



#20
Methylene Chloride
Concen: 48.58 ug/l
RT: 2.86 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX004164.D
Acq: 20 Aug 2018 20:14

Tgt Ion: 84 Resp: 178122
Ion Ratio Lower Upper
84 100
49 124.1 98.9 148.3
51 38.6 29.9 44.9
86 66.4 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 44.92 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.01 min

Lab File: VX004164.D

Acq: 20 Aug 2018 20:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

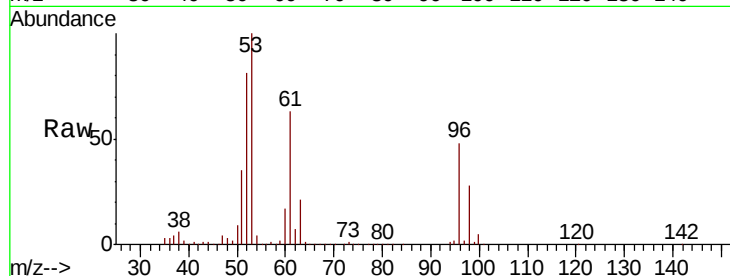
Tot Ion: 96 Resp: 164290

Ion Ratio Lower Upper

96 100

61 129.3 111.8 167.6

98 58.6 51.8 77.6

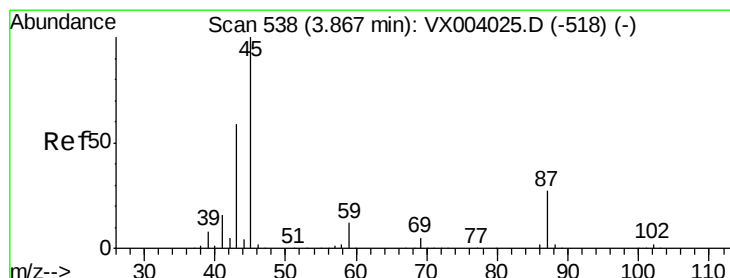
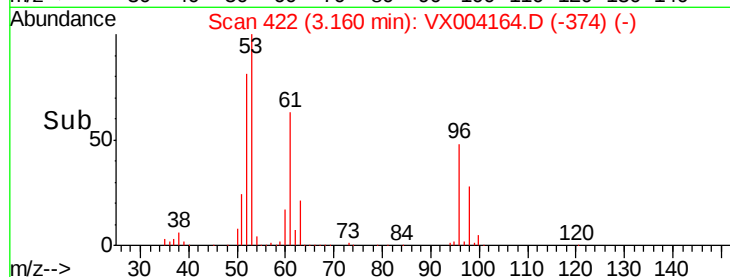
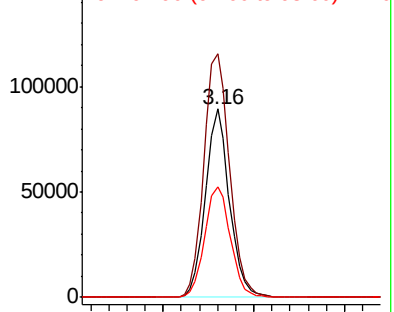


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 46.48 ug/l

RT: 3.87 min Scan# 538

Delta R.T. -0.00 min

Lab File: VX004164.D

Acq: 20 Aug 2018 20:14

Tgt Ion: 45 Resp: 558099

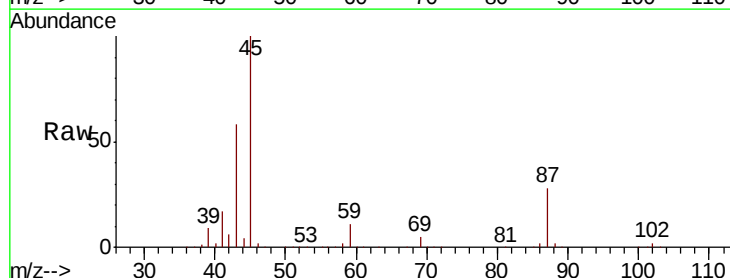
Ion Ratio Lower Upper

45 100

43 58.4 45.3 67.9

87 28.2 22.7 34.1

59 11.3 9.6 14.4



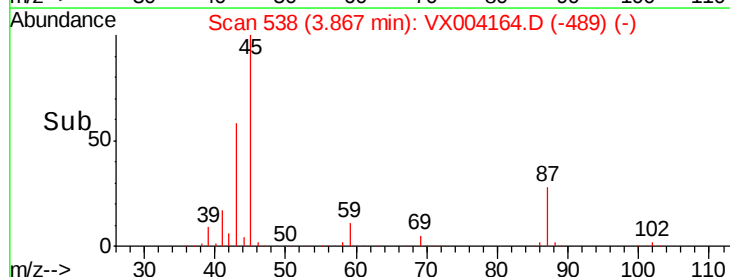
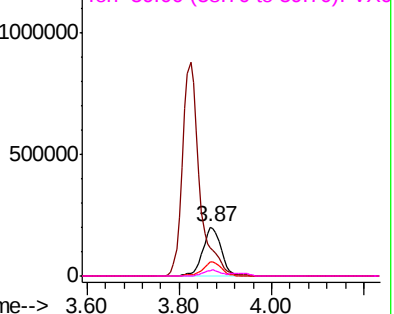
Abundance

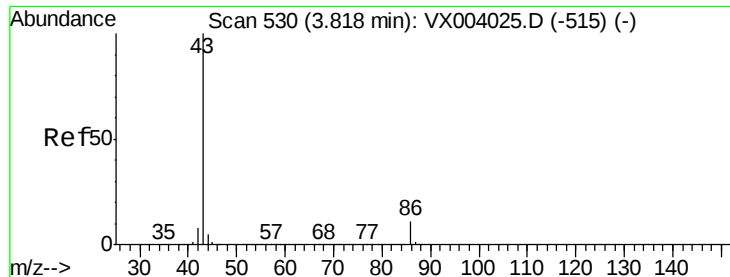
Ion 45.00 (44.70 to 45.70): VX0

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: 230.44 ug/l

RT: 3.82 min Scan# 531

Delta R.T. 0.01 min

Lab File: VX004164.D

Acq: 20 Aug 2018 20:14

Instrument :

MSVOA_X

ClientSampleId :

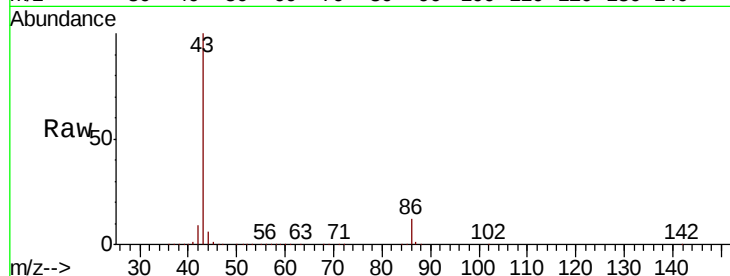
VSTDCCC050EC

Tot Ion: 43 Resp: 2272787

Ion Ratio Lower Upper

43 100

86 12.0 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.82

800000

600000

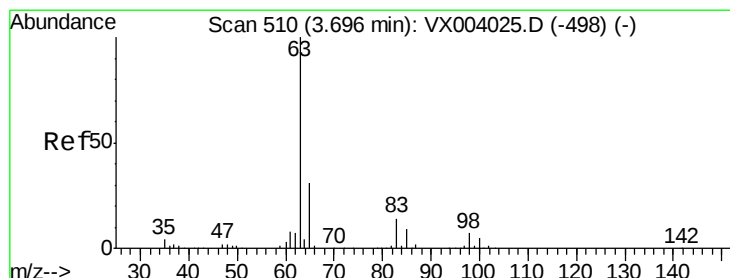
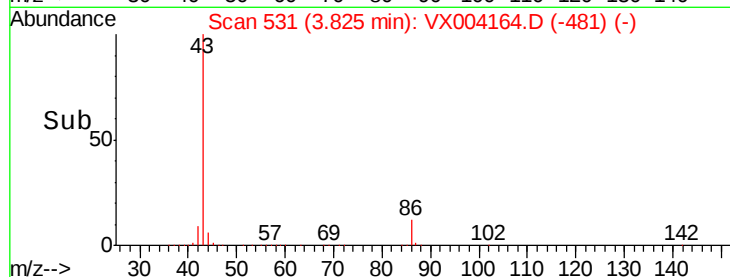
400000

200000

0

Time-->

3.60 3.80 4.00



#24

1,1-Dichloroethane

Concen: 45.44 ug/l

RT: 3.69 min Scan# 509

Delta R.T. -0.01 min

Lab File: VX004164.D

Acq: 20 Aug 2018 20:14

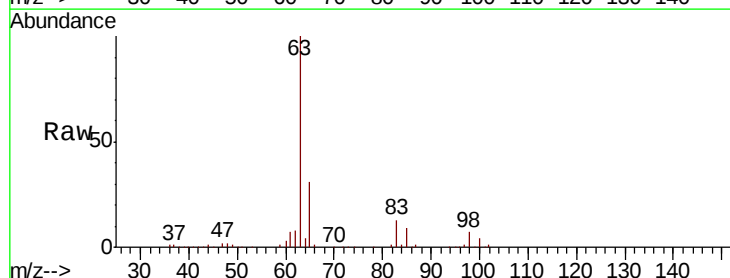
Tgt Ion: 63 Resp: 309086

Ion Ratio Lower Upper

63 100

98 6.8 3.5 10.5

100 4.1 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

150000

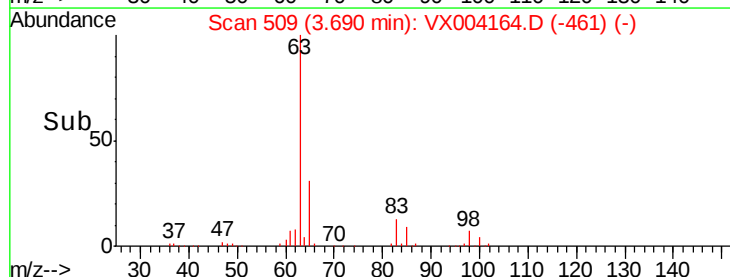
100000

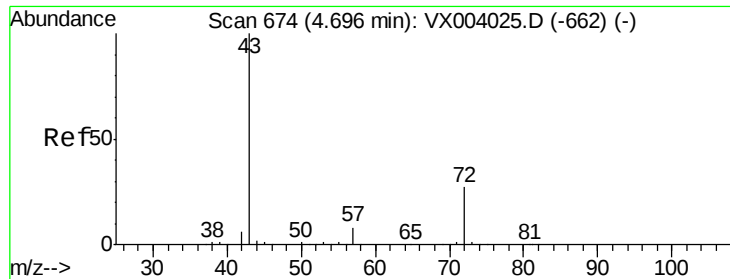
50000

0

Time-->

3.60 3.70 3.80





#25

2-Butanone

Concen: 227.76 ug/l

RT: 4.70 min Scan# 675

Delta R.T. 0.01 min

Lab File: VX004164.D

Acq: 20 Aug 2018 20:14

Instrument :

MSVOA_X

ClientSampleId :

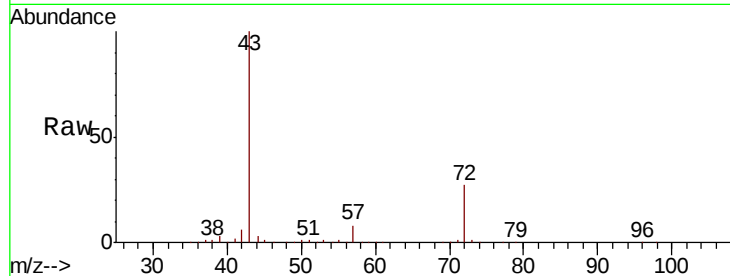
VSTDCCC050EC

Tot Ion: 43 Resp: 831098

Ion Ratio Lower Upper

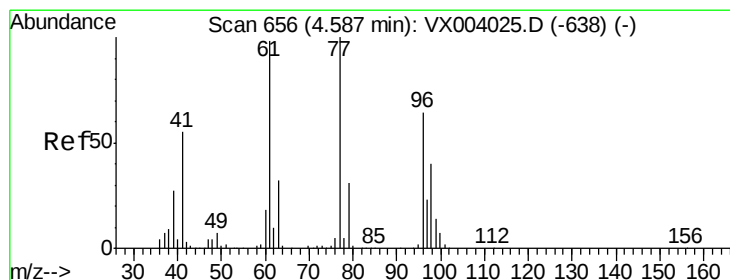
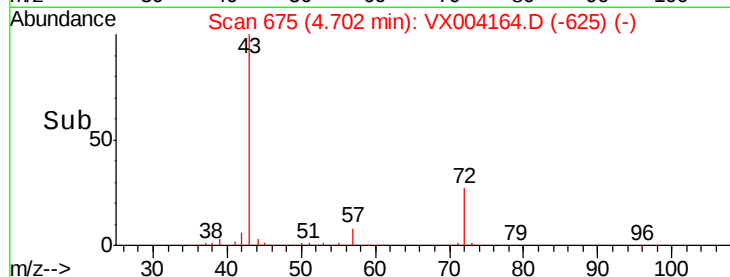
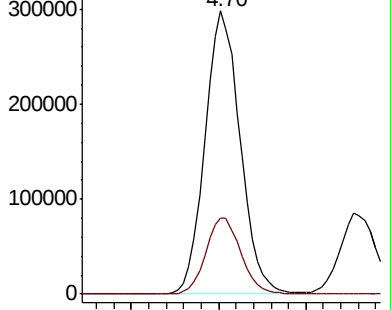
43 100

72 27.0 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: 40.47 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.01 min

Lab File: VX004164.D

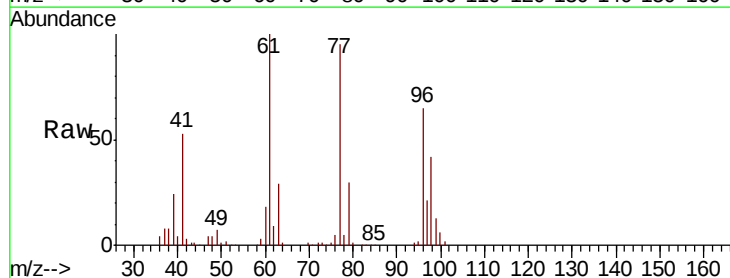
Acq: 20 Aug 2018 20:14

Tgt Ion: 77 Resp: 218835

Ion Ratio Lower Upper

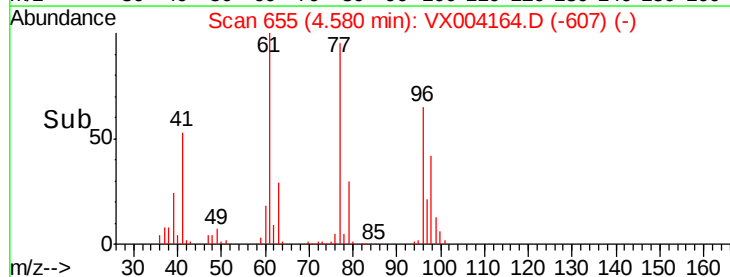
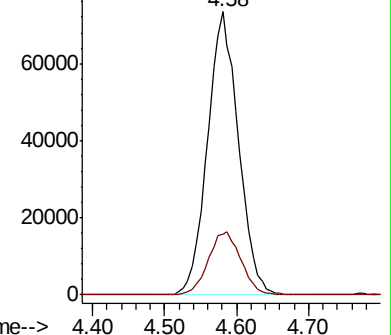
77 100

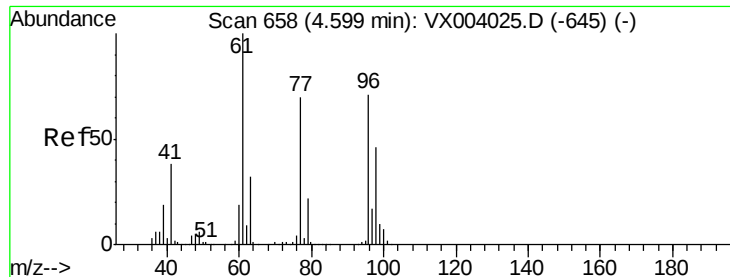
97 23.4 11.9 35.9



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: 46.72 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.00 min

Lab File: VX004164.D

Acq: 20 Aug 2018 20:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

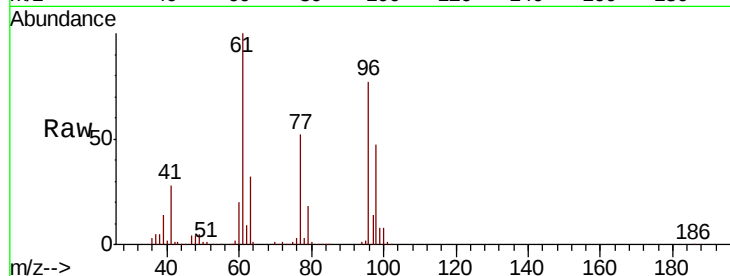
Tot Ion: 96 Resp: 192165

Ion Ratio Lower Upper

96 100

61 138.9 0.0 293.0

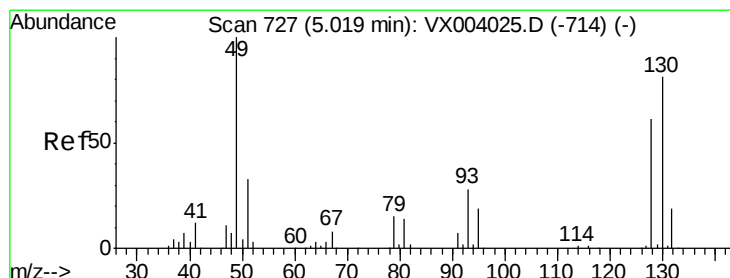
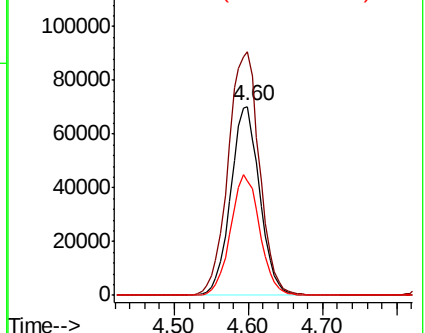
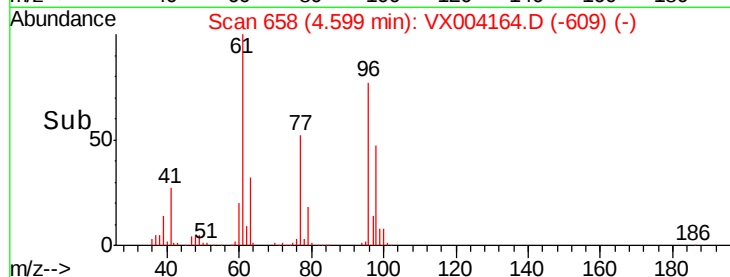
98 64.5 0.0 131.8



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane

Concen: 49.06 ug/l

RT: 5.01 min Scan# 726

Delta R.T. -0.01 min

Lab File: VX004164.D

Acq: 20 Aug 2018 20:14

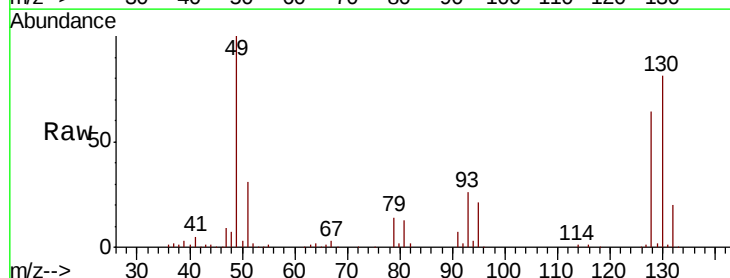
Tgt Ion: 49 Resp: 153091

Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.2

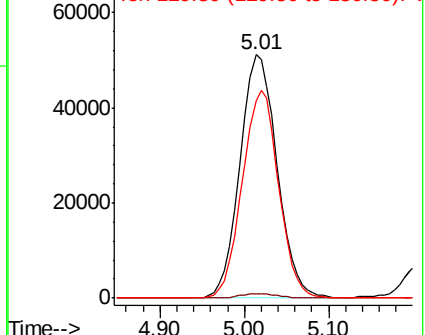
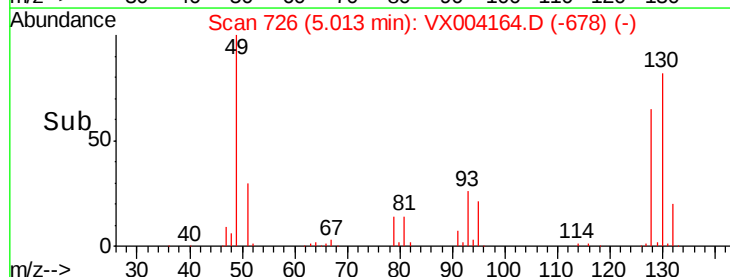
130 83.5 66.5 99.7

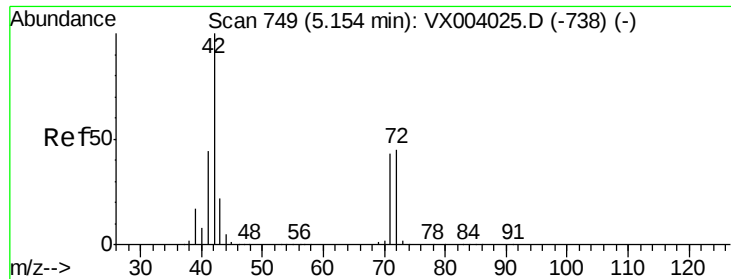


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

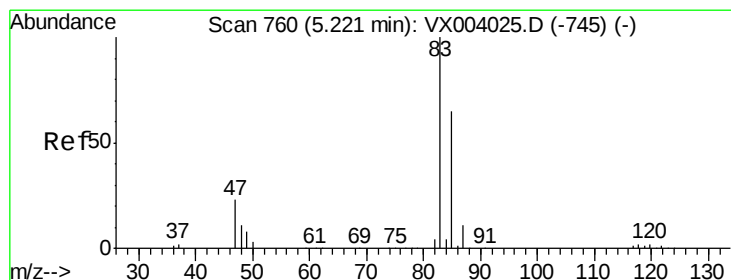
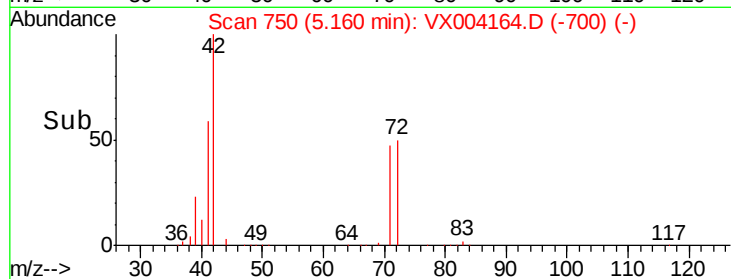
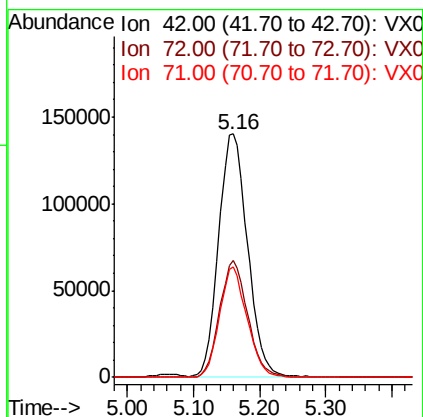
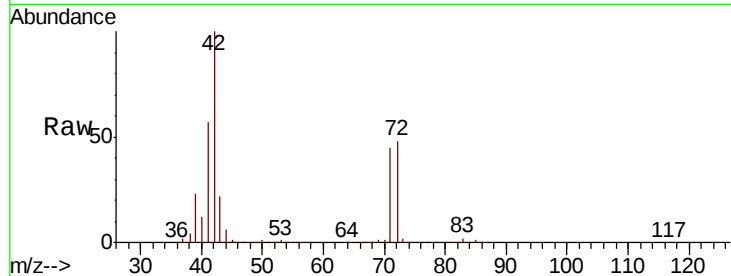




#29
Tetrahydrofuran
Concen: 227.65 ug/l
RT: 5.16 min Scan# 750
Delta R.T. 0.01 min
Lab File: VX004164.D
Acq: 20 Aug 2018 20:14

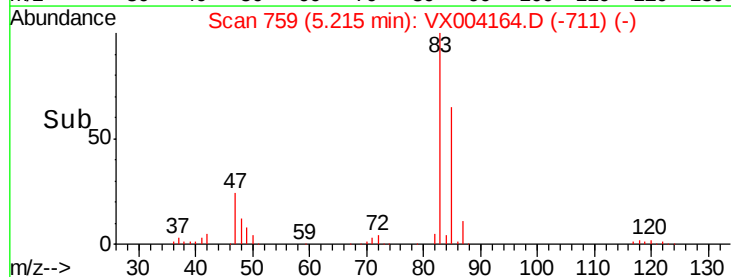
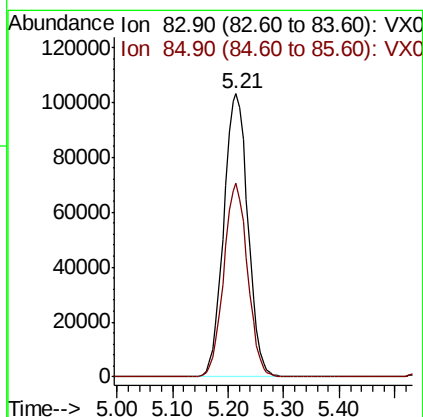
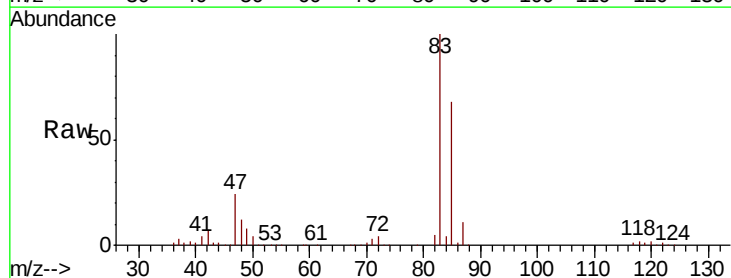
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

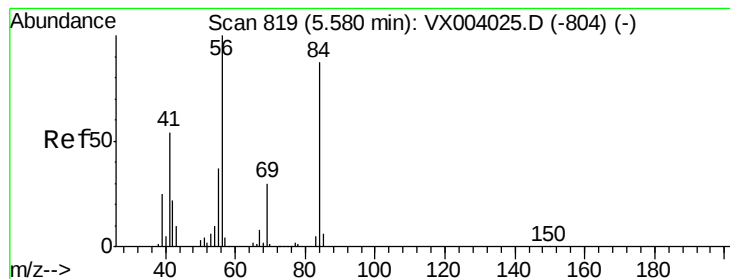
Tot Ion: 42 Resp: 424405
Ion Ratio Lower Upper
42 100
72 46.8 37.7 56.5
71 43.1 35.0 52.6



#30
Chloroform
Concen: 46.68 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX004164.D
Acq: 20 Aug 2018 20:14

Tgt Ion: 83 Resp: 309859
Ion Ratio Lower Upper
83 100
85 68.3 50.7 76.1





#31

Cyclohexane

Concen: 45.36 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX004164.D

Acq: 20 Aug 2018 20:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

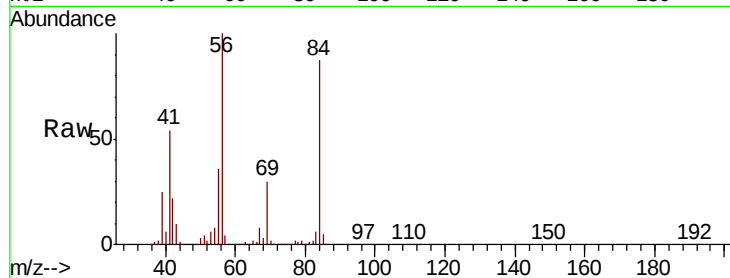
Tot Ion: 56 Resp: 270452

Ion Ratio Lower Upper

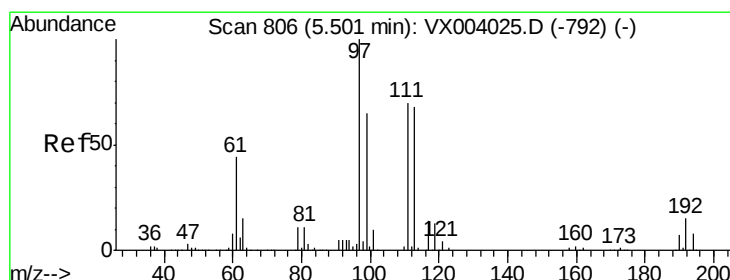
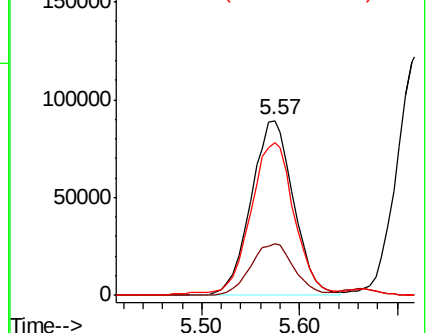
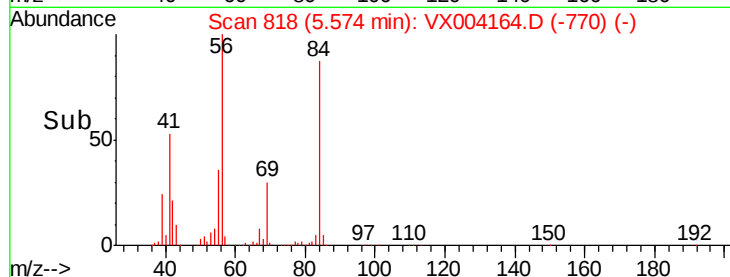
56 100

69 29.8 24.9 37.3

84 85.8 71.7 107.5



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



#32

1,1,1-Trichloroethane

Concen: 47.76 ug/l

RT: 5.49 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX004164.D

Acq: 20 Aug 2018 20:14

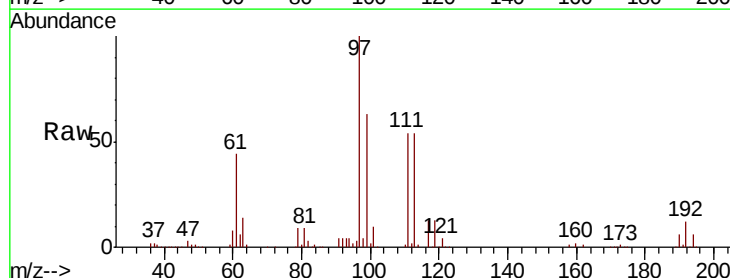
Tgt Ion: 97 Resp: 264948

Ion Ratio Lower Upper

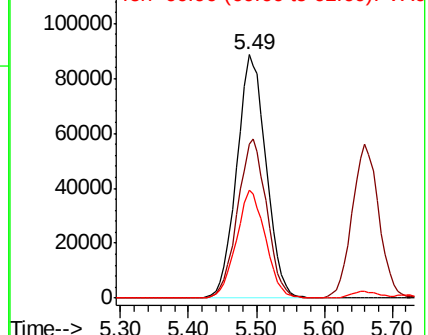
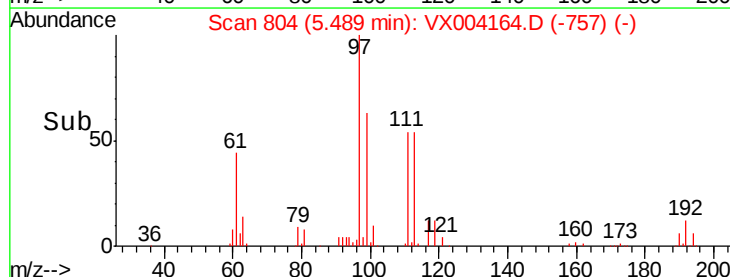
97 100

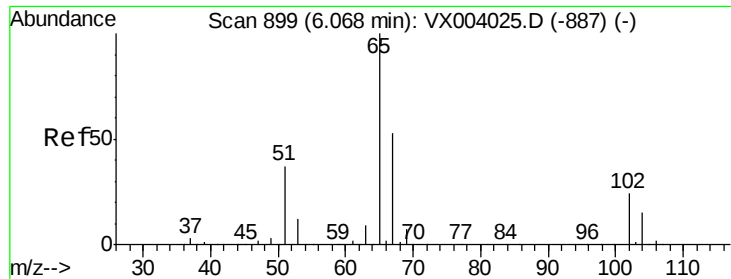
99 65.0 51.8 77.8

61 44.1 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

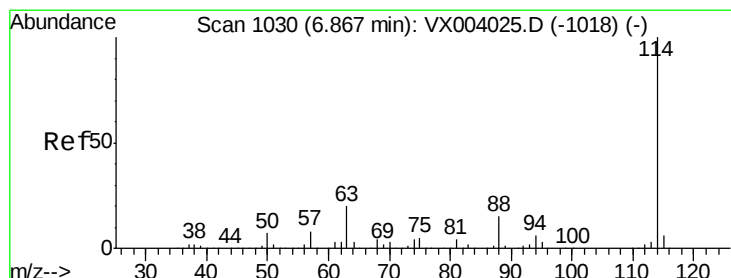
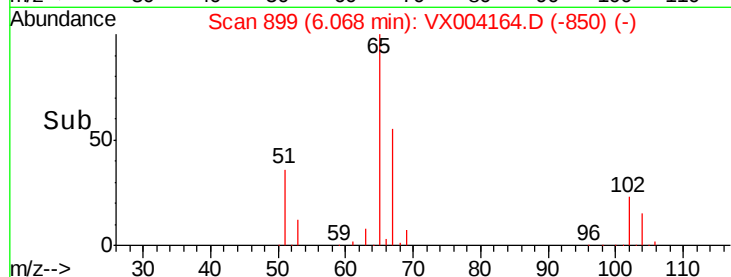
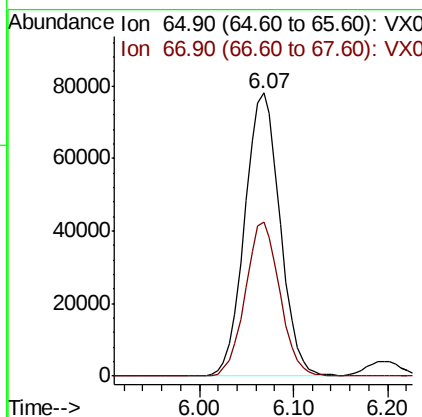
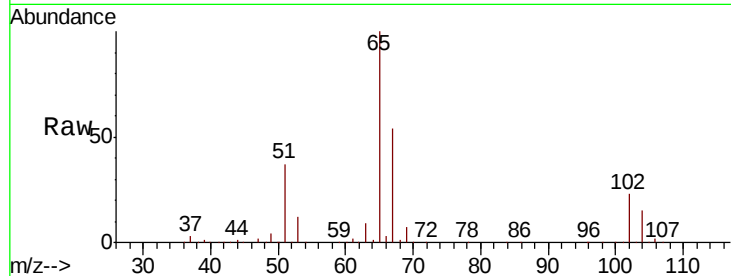




#33
 1,2-Dichloroethane-d4
 Concen: 47.55 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VX004164.D
 Acq: 20 Aug 2018 20:14

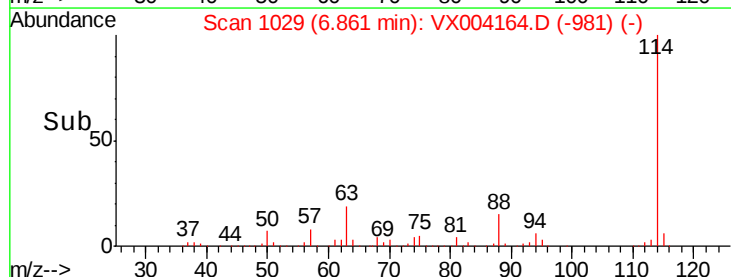
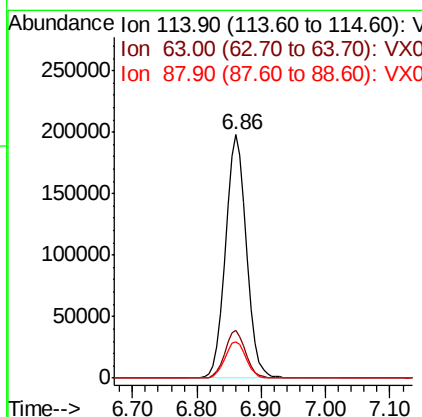
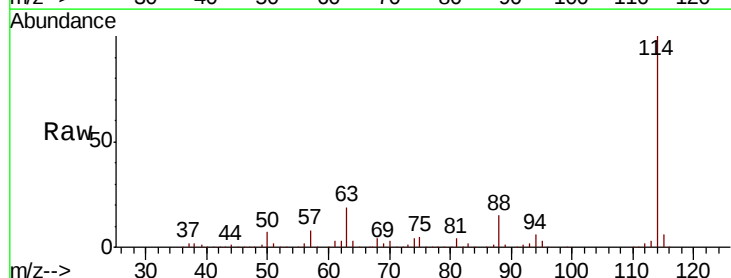
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

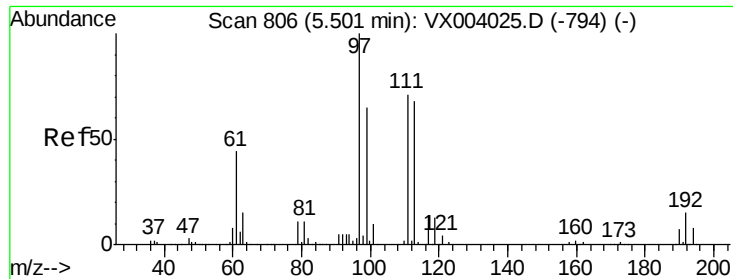
Tot Ion: 65 Resp: 205121
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX004164.D
 Acq: 20 Aug 2018 20:14

Tgt Ion: 114 Resp: 453349
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.0
 88 15.1 0.0 32.0

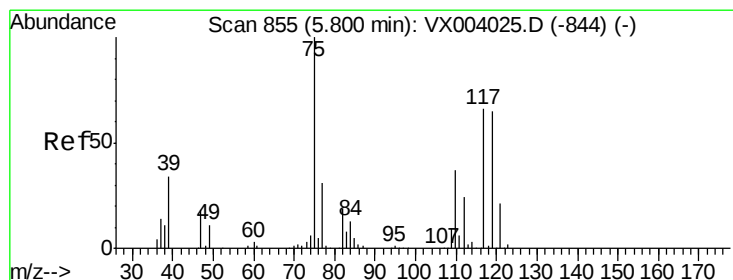
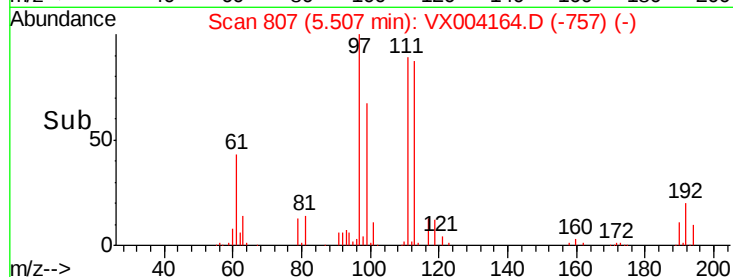
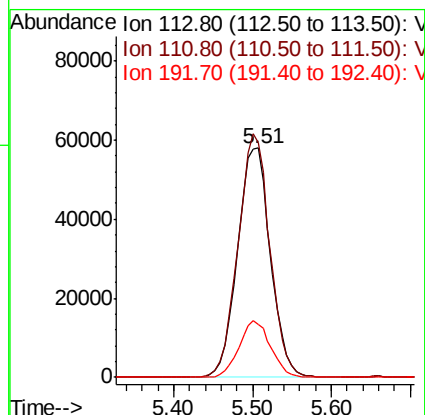
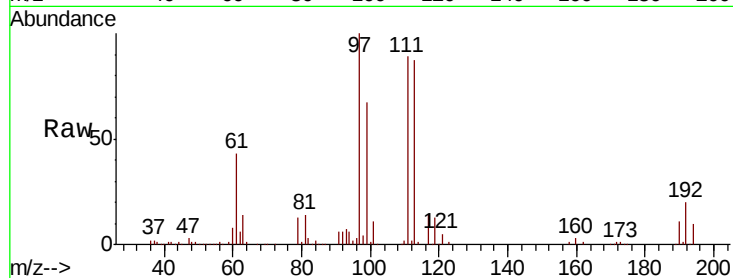




#35
 Dibromofluoromethane
 Concen: 49.54 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.01 min
 Lab File: VX004164.D
 Acq: 20 Aug 2018 20:14

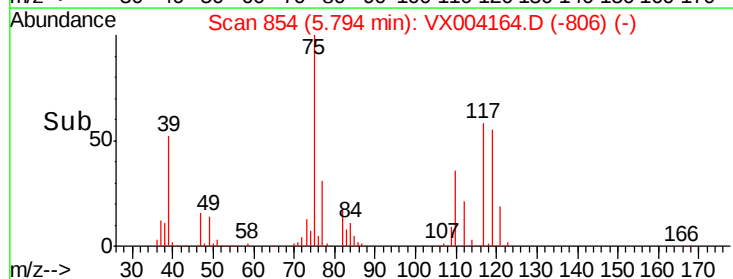
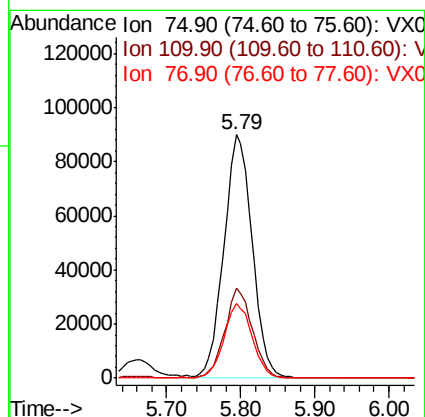
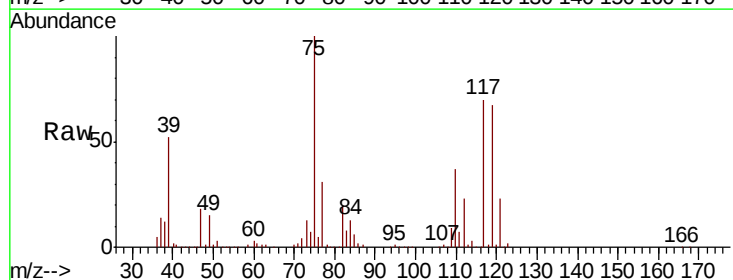
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

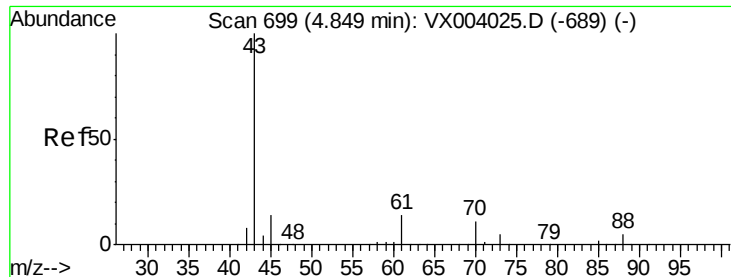
Tot Ion:113 Resp: 168077
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.0 123.0
 192 23.8 19.0 28.4



#36
 1,1-Dichloropropene
 Concen: 46.18 ug/l
 RT: 5.79 min Scan# 854
 Delta R.T. -0.01 min
 Lab File: VX004164.D
 Acq: 20 Aug 2018 20:14

Tgt Ion: 75 Resp: 238242
 Ion Ratio Lower Upper
 75 100
 110 35.9 18.2 54.6
 77 30.7 25.0 37.4

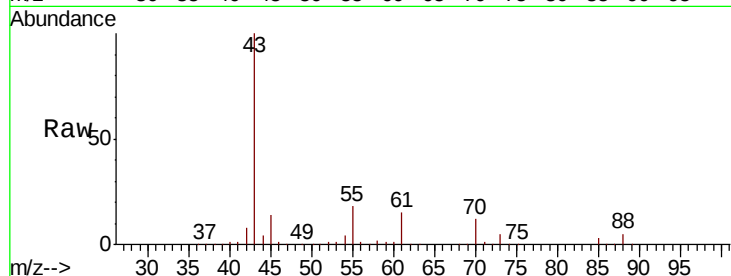




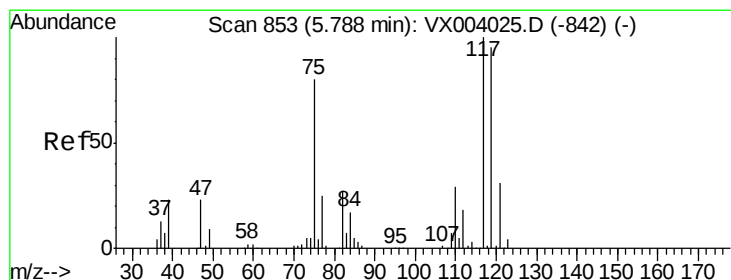
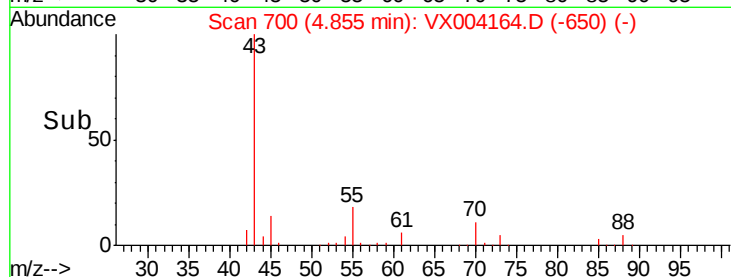
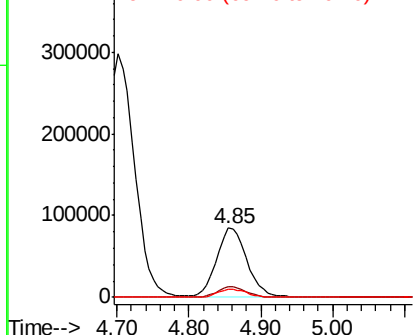
#37
Ethyl Acetate
Concen: 44.20 ug/l
RT: 4.85 min Scan# 700
Delta R.T. 0.01 min
Lab File: VX004164.D
Acq: 20 Aug 2018 20:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 248295
Ion Ratio Lower Upper
43 100
61 14.7 11.5 17.3
70 11.4 9.0 13.4

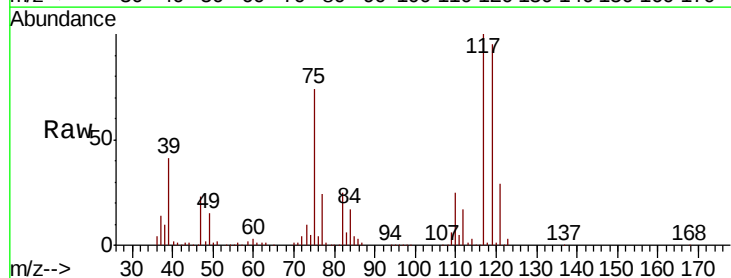


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

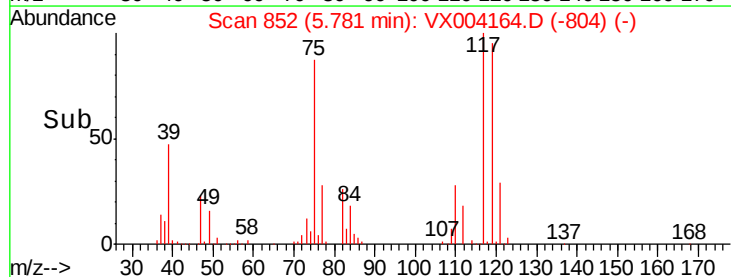
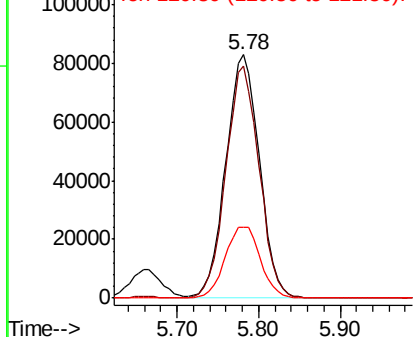


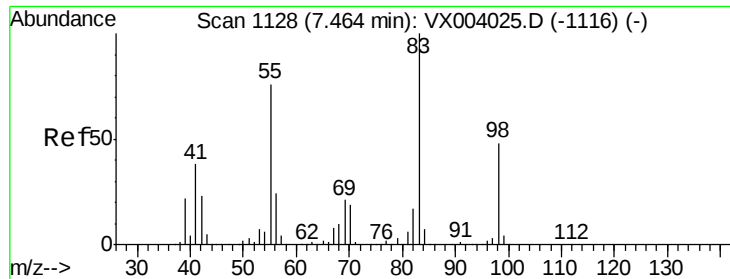
#38
Carbon Tetrachloride
Concen: 47.13 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.01 min
Lab File: VX004164.D
Acq: 20 Aug 2018 20:14

Tgt Ion: 117 Resp: 236220
Ion Ratio Lower Upper
117 100
119 95.1 79.5 119.3
121 29.2 25.0 37.4



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

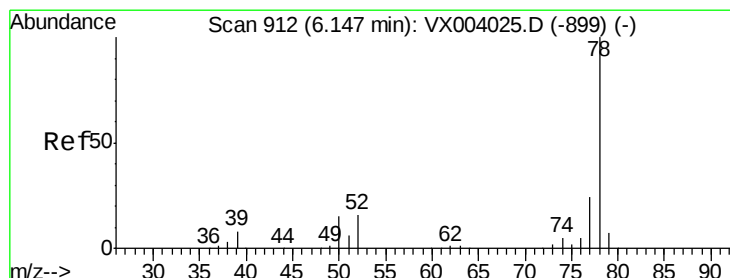
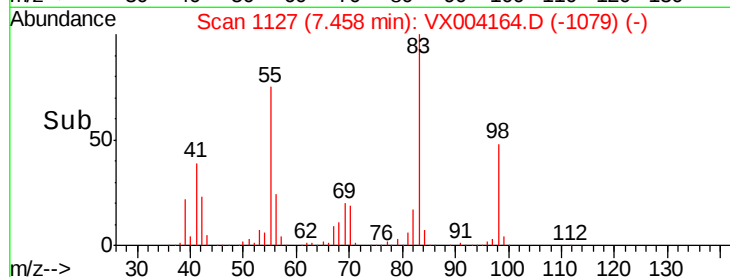
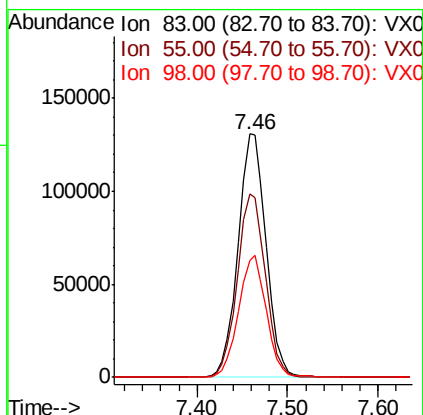
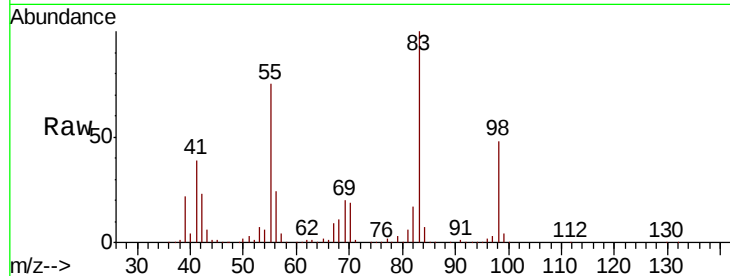




#39
Methvlcvclohexane
Concen: 47.92 ug/l
RT: 7.46 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VX004164.D
Acq: 20 Aug 2018 20:14

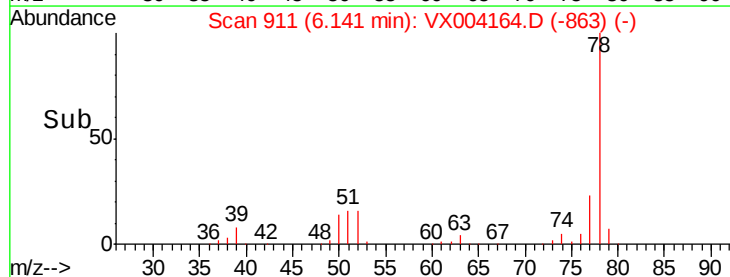
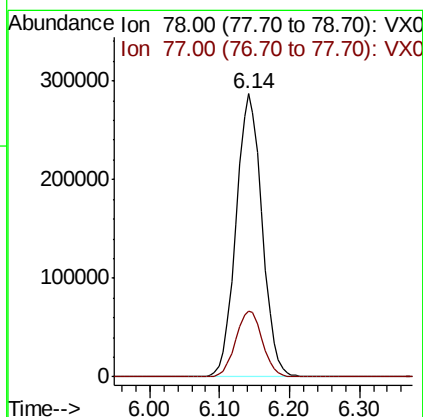
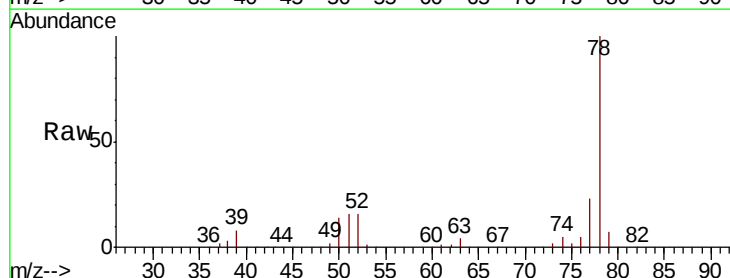
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

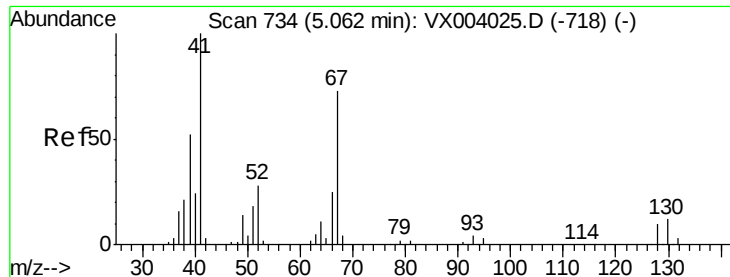
Tot Ion: 83 Resp: 280426
Ion Ratio Lower Upper
83 100
55 75.1 61.0 91.6
98 48.2 38.6 57.8



#40
Benzene
Concen: 47.81 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.01 min
Lab File: VX004164.D
Acq: 20 Aug 2018 20:14

Tgt Ion: 78 Resp: 740621
Ion Ratio Lower Upper
78 100
77 23.2 19.0 28.4

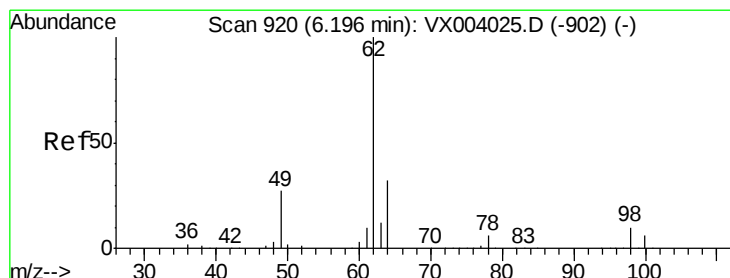
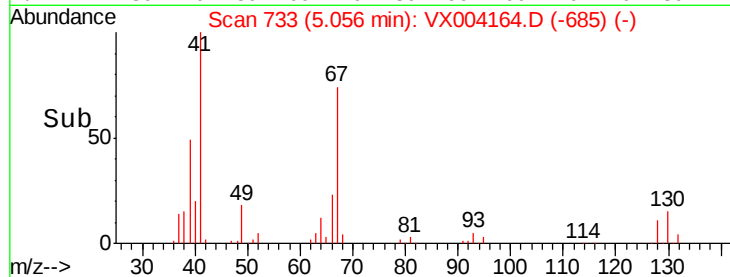
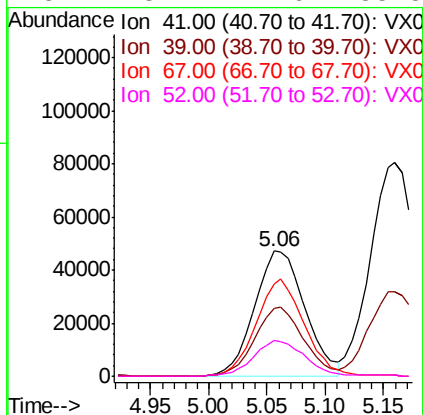
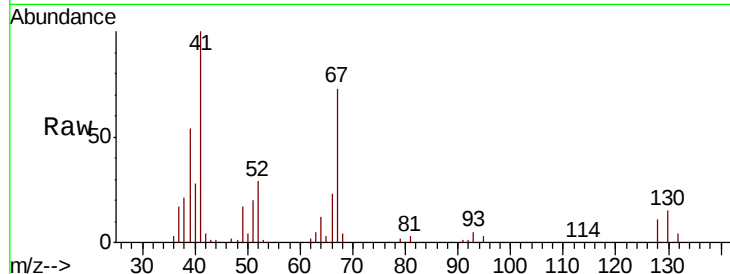




#41
Methacrylonitrile
Concen: 45.02 ug/l
RT: 5.06 min Scan# 733
Delta R.T. -0.01 min
Lab File: VX004164.D
Acq: 20 Aug 2018 20:14

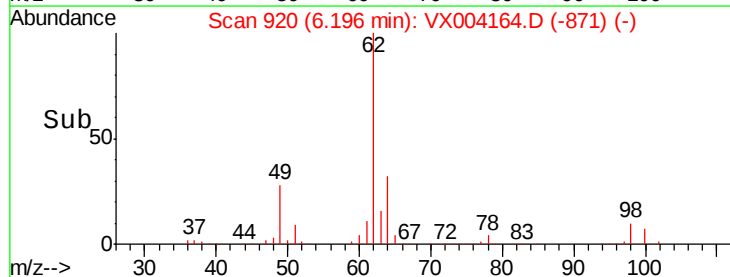
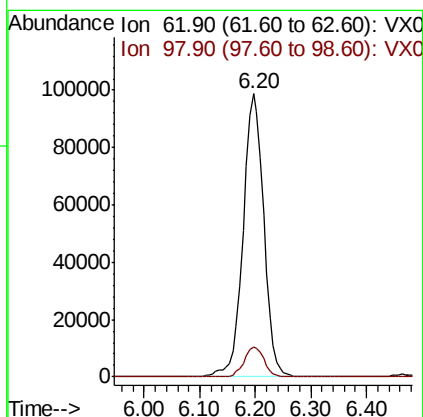
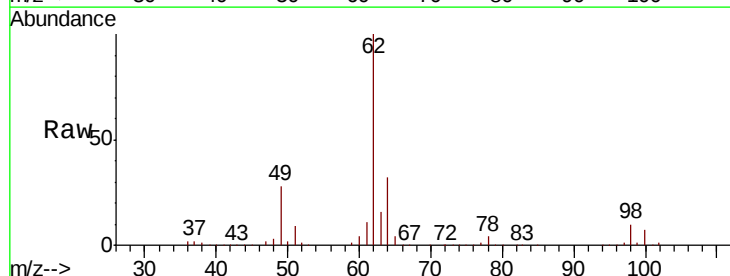
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

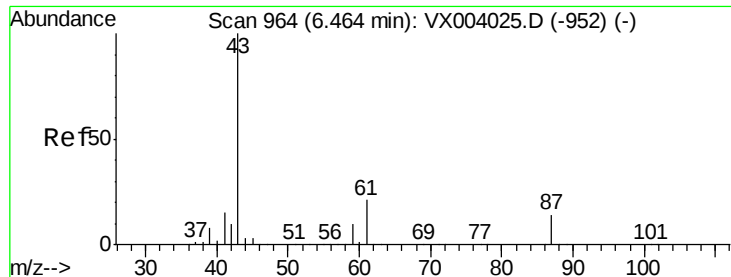
Tot Ion:	41	Resp:	141654
Ion	Ratio	Lower	Upper
41	100		
39	53.3	42.7	64.1
67	74.5	58.9	88.3
52	28.4	22.6	33.8



#42
1,2-Dichloroethane
Concen: 46.98 ug/l
RT: 6.20 min Scan# 920
Delta R.T. -0.00 min
Lab File: VX004164.D
Acq: 20 Aug 2018 20:14

Tgt Ion:	62	Resp:	254759
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	20.4





#43

Isopropyl Acetate

Concen: 47.63 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.00 min

Lab File: VX004164.D

Acq: 20 Aug 2018 20:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

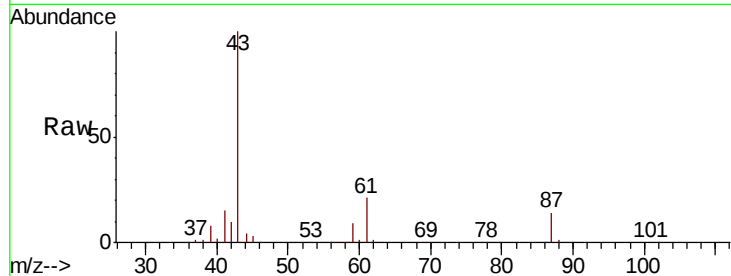
Tot Ion: 43 Resp: 394428

Ion Ratio Lower Upper

43 100

61 21.2 16.9 25.3

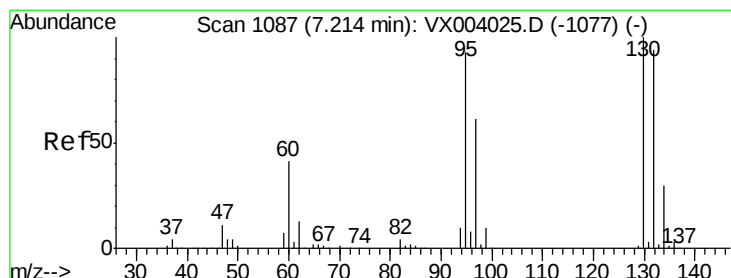
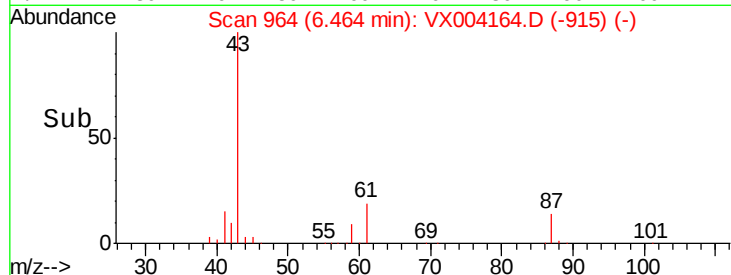
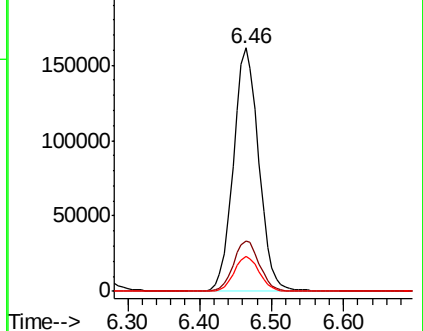
87 14.4 11.3 16.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 47.01 ug/l

RT: 7.21 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VX004164.D

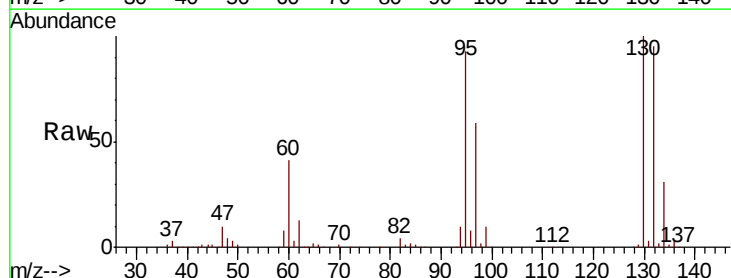
Acq: 20 Aug 2018 20:14

Tgt Ion:130 Resp: 197710

Ion Ratio Lower Upper

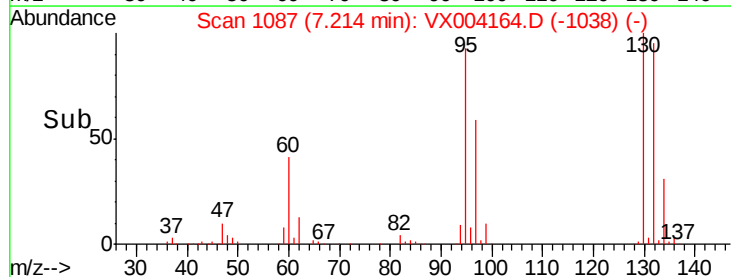
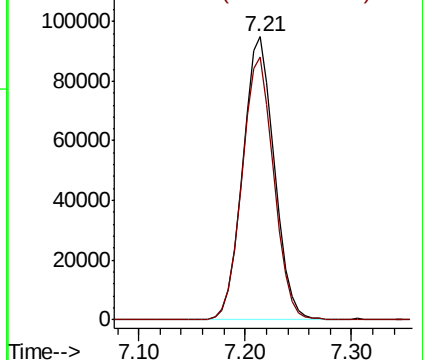
130 100

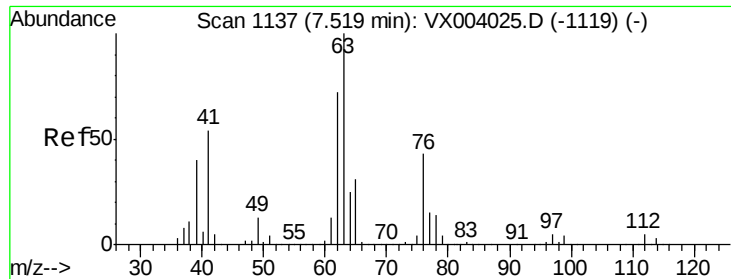
95 92.8 0.0 199.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

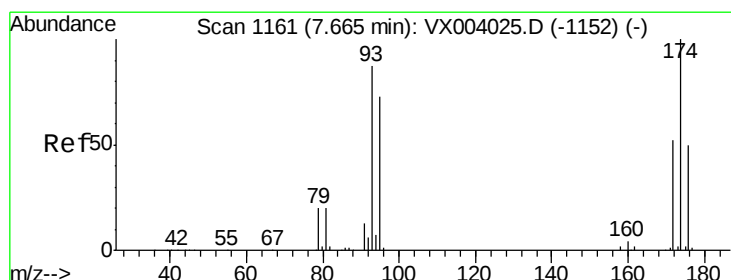
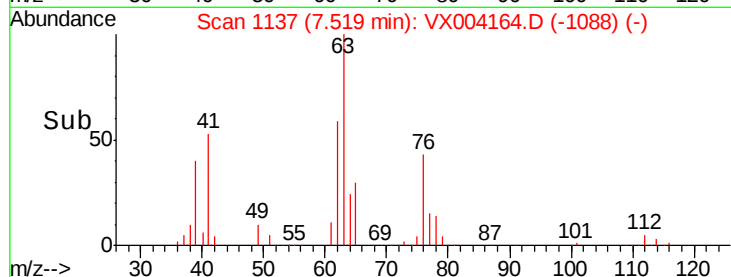
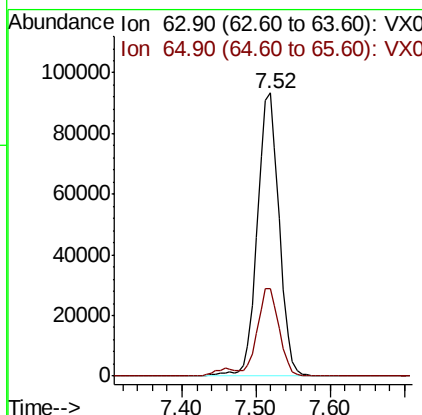
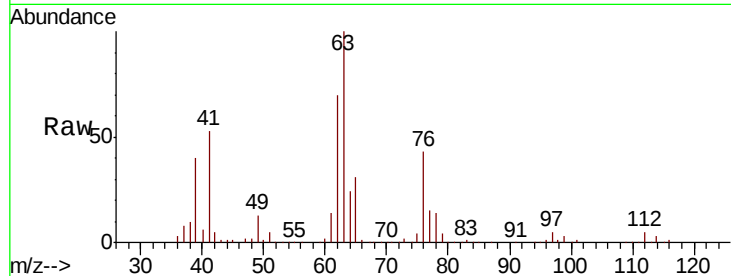




#45
 1,2-Dichloropropane
 Concen: 48.38 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VX004164.D
 Acq: 20 Aug 2018 20:14

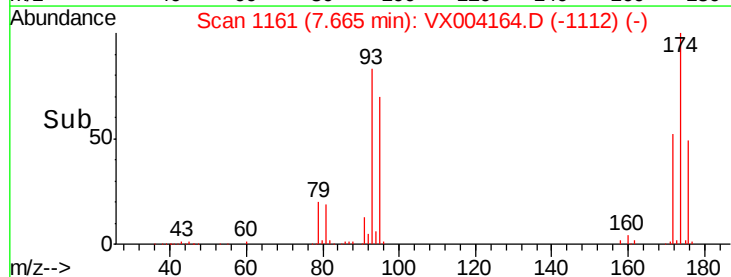
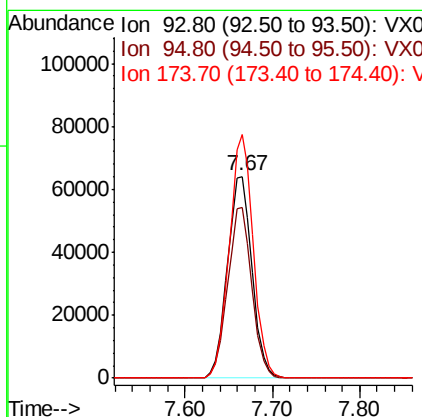
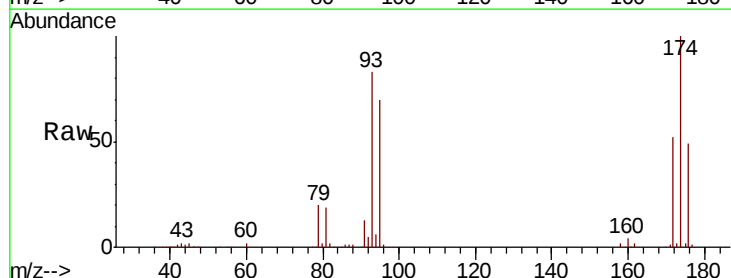
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

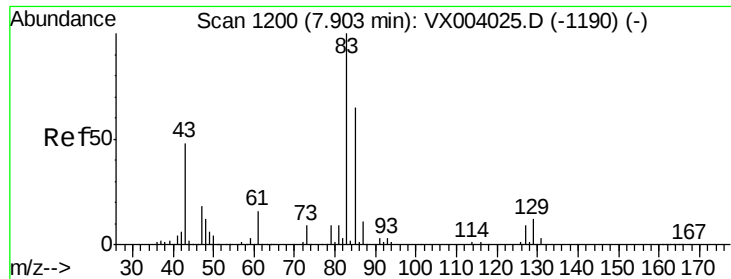
Tot Ion: 63 Resp: 191868
 Ion Ratio Lower Upper
 63 100
 65 31.1 24.6 36.8



#46
 Dibromomethane
 Concen: 48.29 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX004164.D
 Acq: 20 Aug 2018 20:14

Tgt Ion: 93 Resp: 125135
 Ion Ratio Lower Upper
 93 100
 95 83.1 66.4 99.6
 174 117.9 94.3 141.5

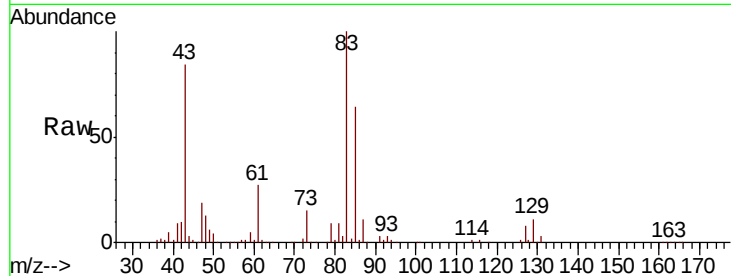




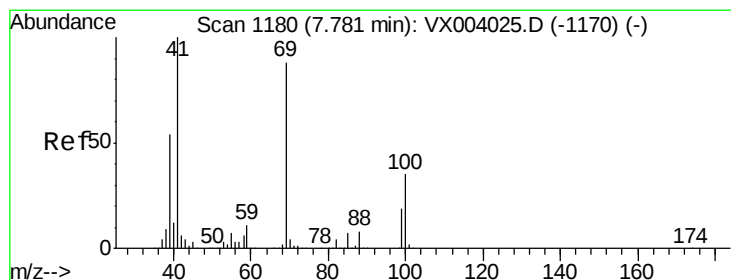
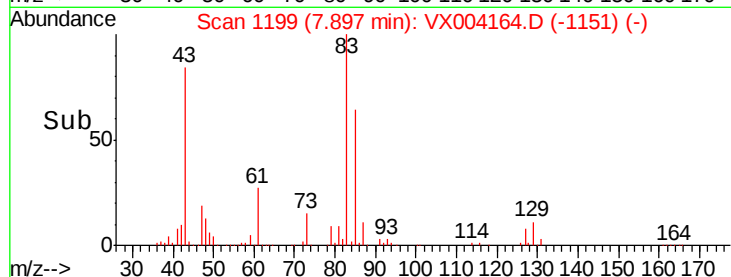
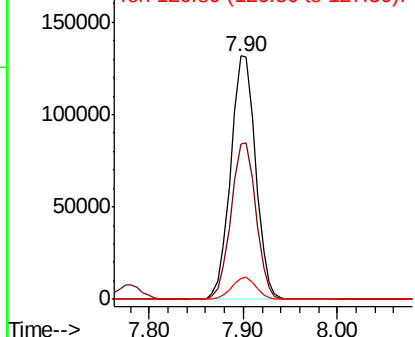
#47
 Bromodichloromethane
 Concen: 49.43 ug/l
 RT: 7.90 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: VX004164.D
 Acq: 20 Aug 2018 20:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 83 Resp: 242601
 Ion Ratio Lower Upper
 83 100
 85 63.7 51.2 76.8
 127 8.4 7.2 10.8

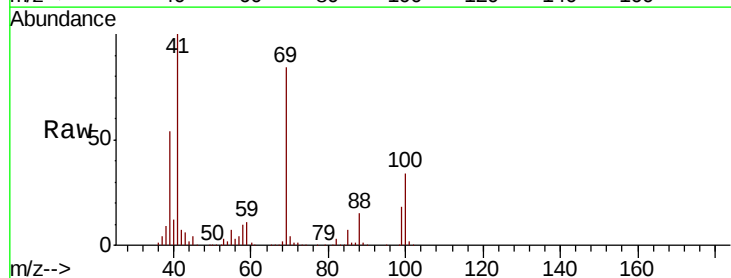


Abundance Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 126.80 (126.50 to 127.50): V

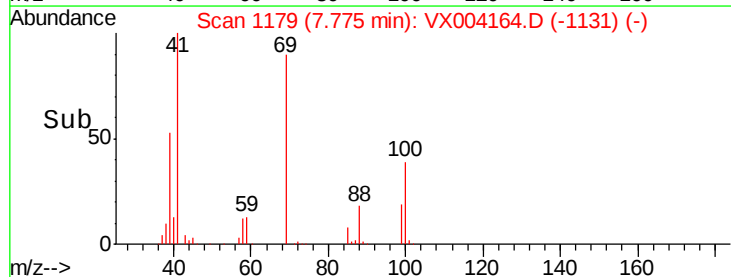
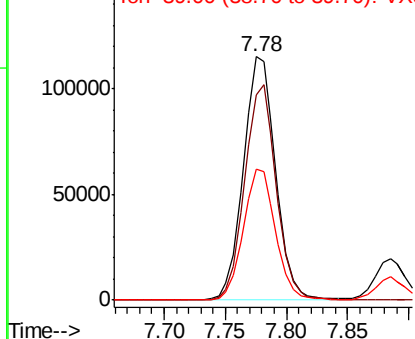


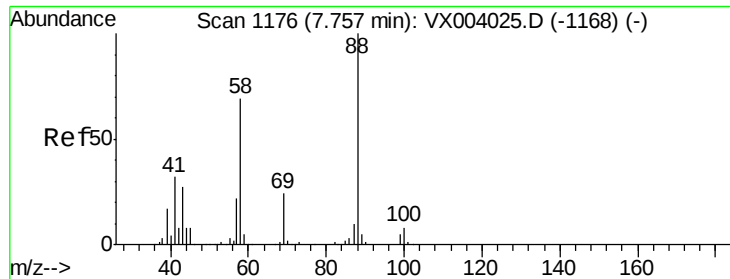
#48
 Methyl methacrylate
 Concen: 50.37 ug/l
 RT: 7.78 min Scan# 1179
 Delta R.T. -0.01 min
 Lab File: VX004164.D
 Acq: 20 Aug 2018 20:14

Tgt Ion: 41 Resp: 209947
 Ion Ratio Lower Upper
 41 100
 69 87.4 68.8 103.2
 39 53.9 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

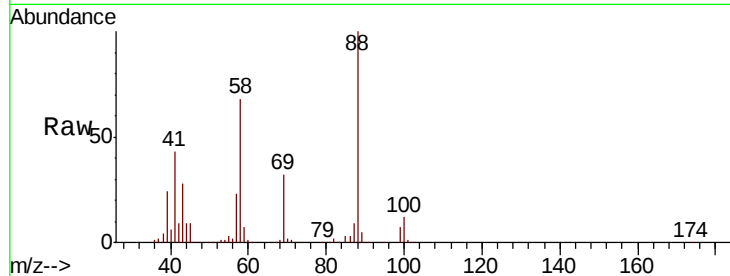




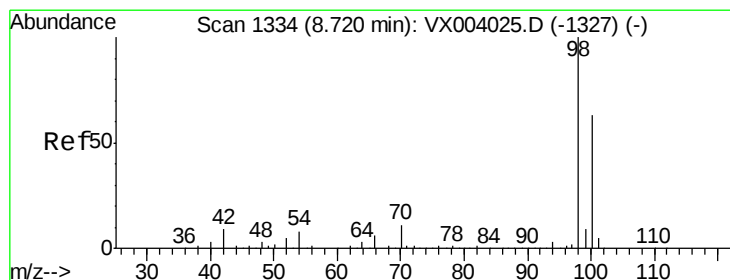
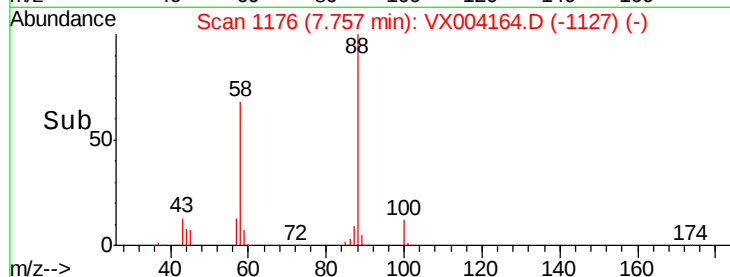
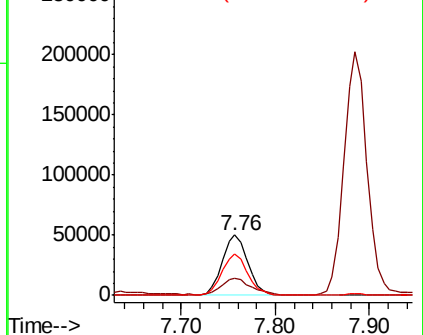
#49
1,4-Dioxane
Concen: 1013.79 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VX004164.D
Acq: 20 Aug 2018 20:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 88 Resp: 95143
Ion Ratio Lower Upper
88 100
43 31.1 23.8 35.8
58 69.4 55.4 83.0

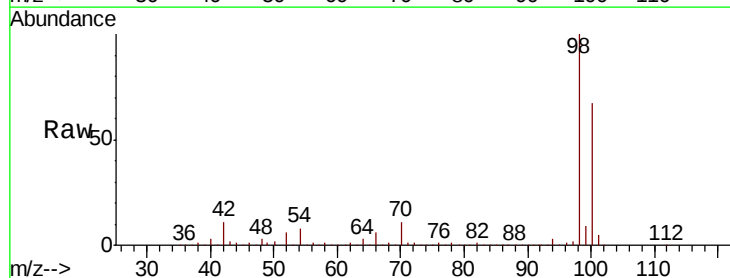


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

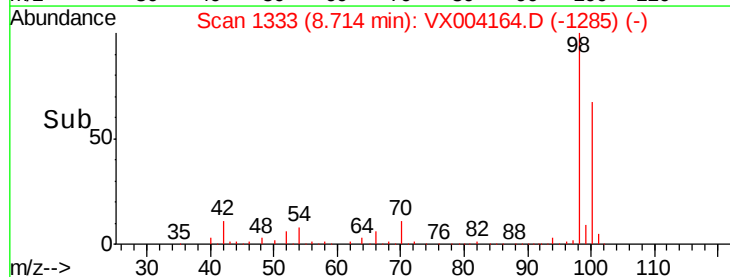
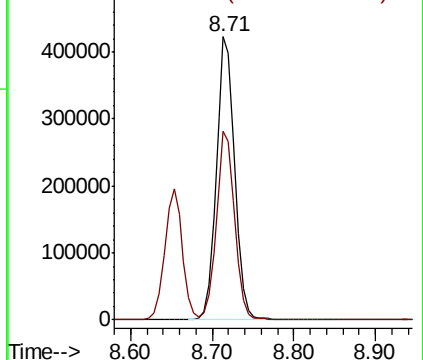


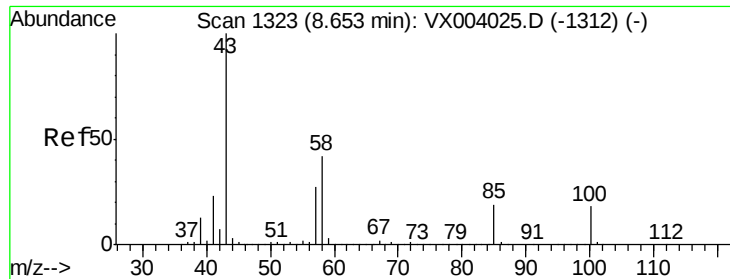
#50
Toluene-d8
Concen: 48.41 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. -0.01 min
Lab File: VX004164.D
Acq: 20 Aug 2018 20:14

Tgt Ion: 98 Resp: 666000
Ion Ratio Lower Upper
98 100
100 66.7 53.3 79.9



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

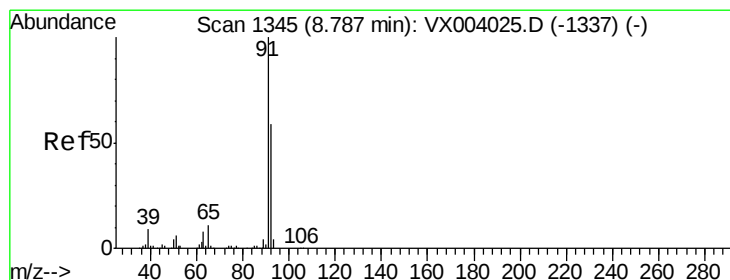
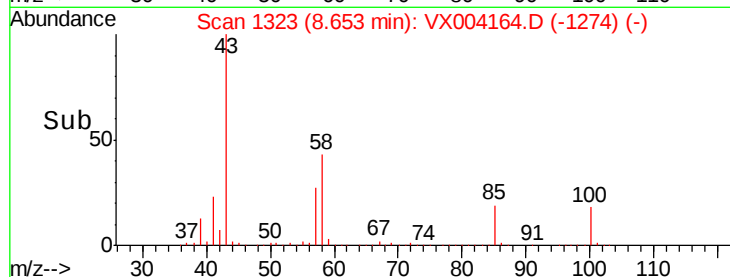
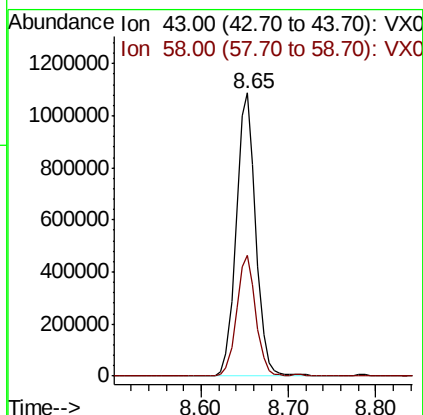
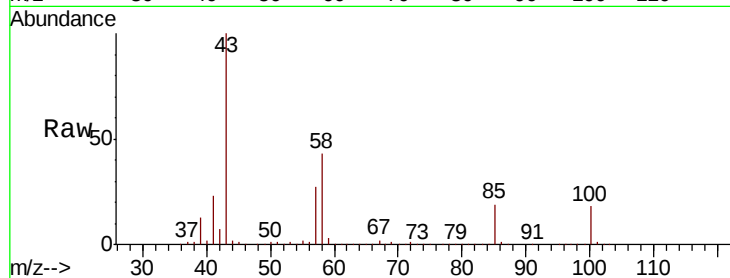




#51
 4-Methyl-2-Pentanone
 Concen: 250.29 ug/l
 RT: 8.65 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VX004164.D
 Acq: 20 Aug 2018 20:14

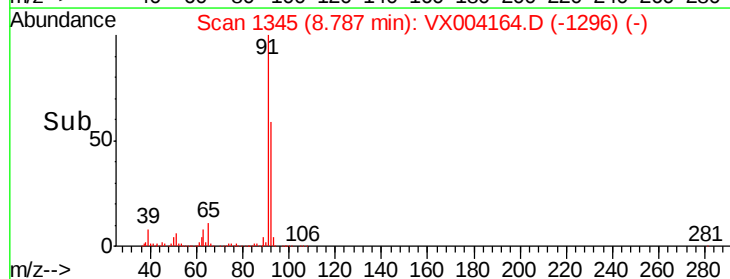
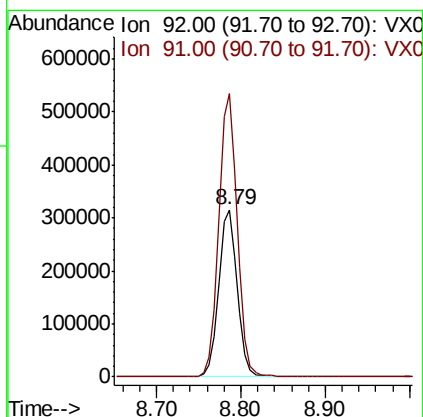
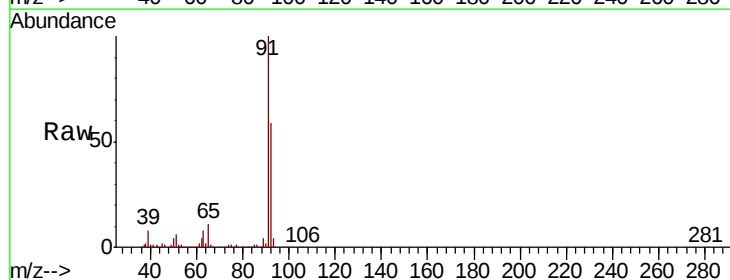
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

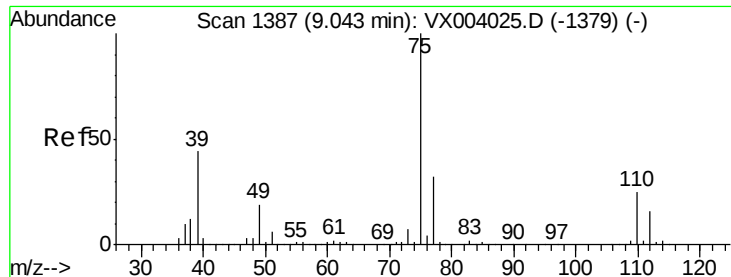
Tot Ion: 43 Resp: 1699364
 Ion Ratio Lower Upper
 43 100
 58 41.7 33.0 49.6



#52
 Toluene
 Concen: 48.93 ug/l
 RT: 8.79 min Scan# 1345
 Delta R.T. -0.00 min
 Lab File: VX004164.D
 Acq: 20 Aug 2018 20:14

Tgt Ion: 92 Resp: 479404
 Ion Ratio Lower Upper
 92 100
 91 169.6 136.1 204.1





#53

t-1,3-Dichloropropene

Concen: 51.00 ug/l

RT: 9.04 min Scan# 1387

Delta R.T. -0.00 min

Lab File: VX004164.D

Acq: 20 Aug 2018 20:14

Instrument :

MSVOA_X

ClientSampleId :

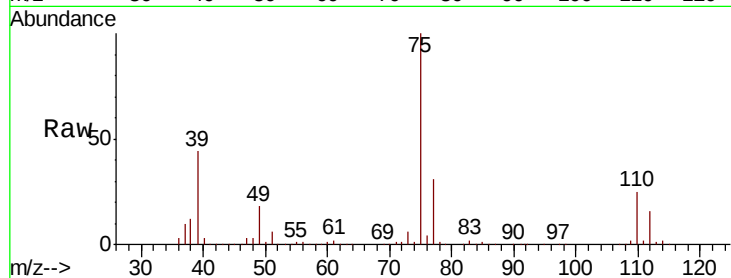
VSTDCCC050EC

Tot Ion: 75 Resp: 270439

Ion Ratio Lower Upper

75 100

77 31.4 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.04

200000

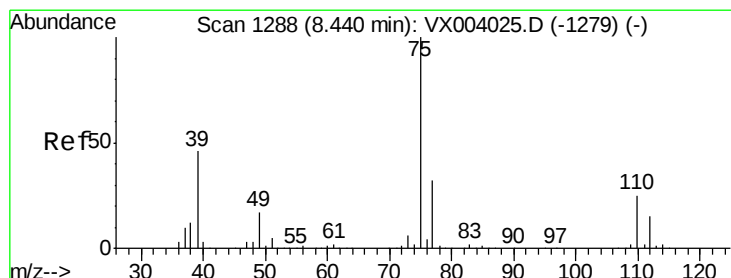
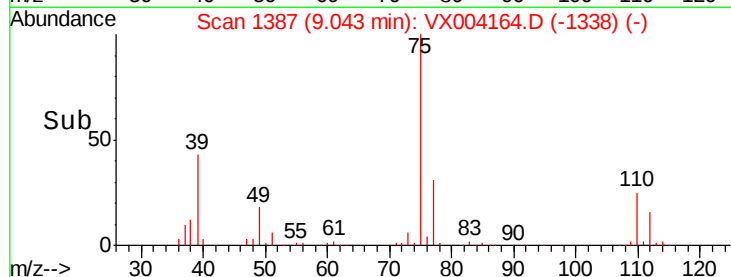
150000

100000

50000

0

Time--> 8.95 9.00 9.05 9.10 9.15



#54

cis-1,3-Dichloropropene

Concen: 50.03 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX004164.D

Acq: 20 Aug 2018 20:14

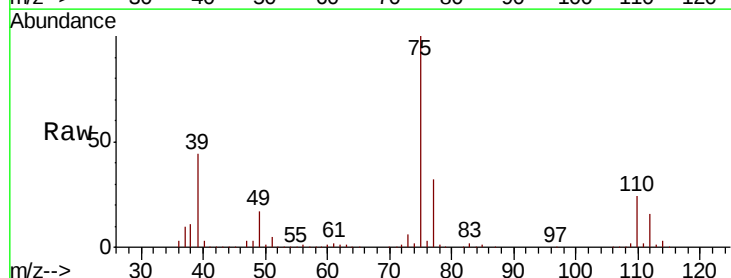
Tgt Ion: 75 Resp: 293751

Ion Ratio Lower Upper

75 100

77 32.1 25.3 37.9

39 43.8 36.2 54.2



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

8.44

250000

200000

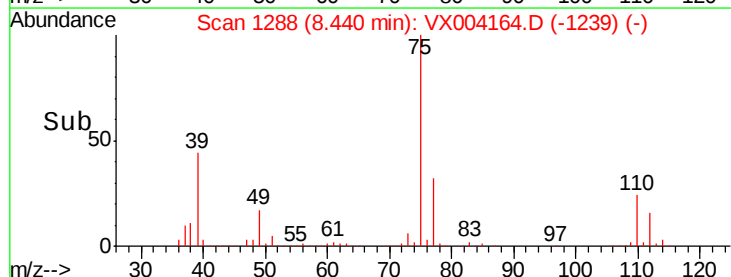
150000

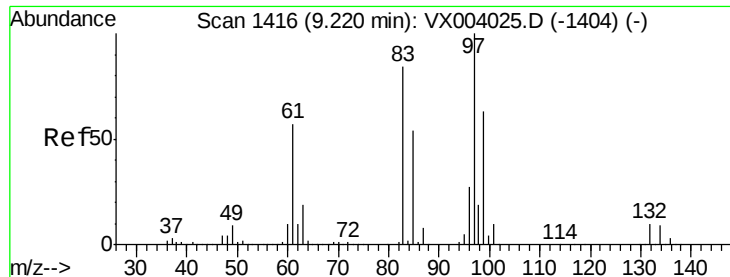
100000

50000

0

Time--> 8.40 8.50

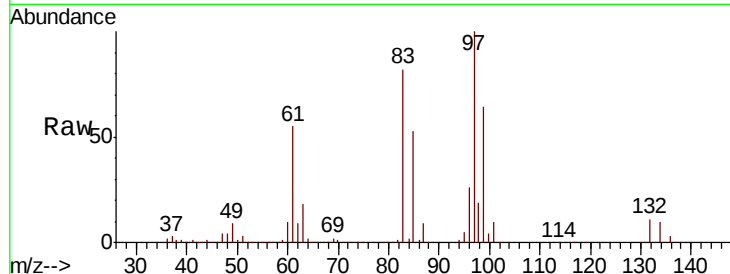




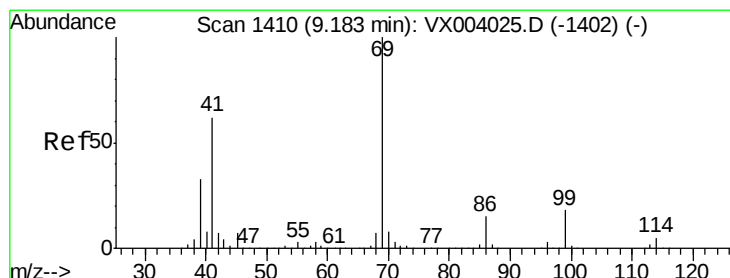
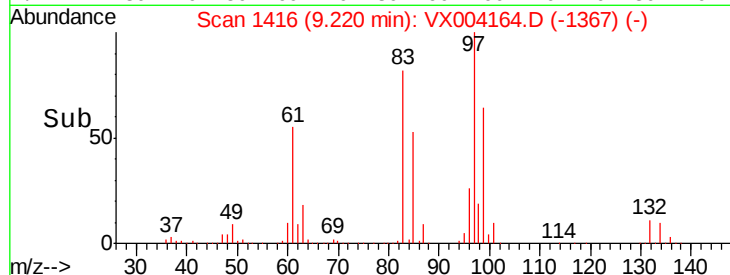
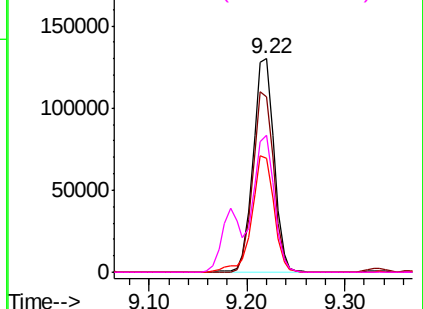
#55
 1,1,2-Trichloroethane
 Concen: 48.05 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX004164.D
 Acq: 20 Aug 2018 20:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	194401
Ion	Ratio	Lower	Upper
97	100		
83	82.3	67.8	101.6
85	53.1	44.2	66.2
99	64.1	50.8	76.2

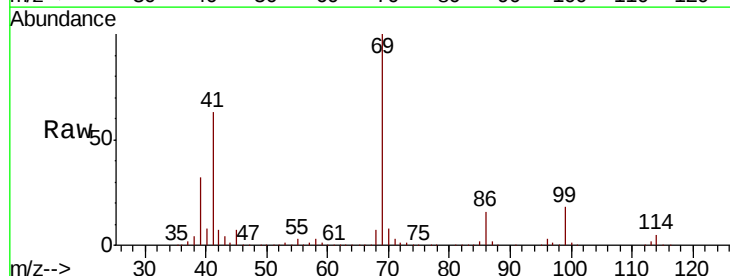


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

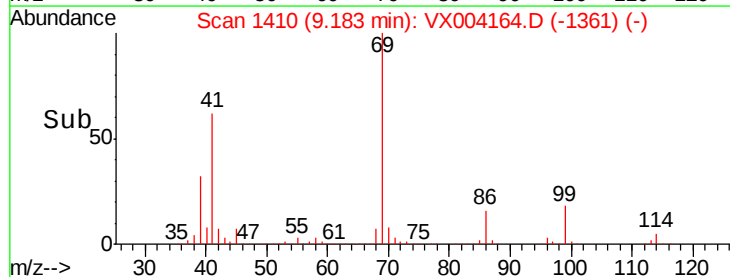
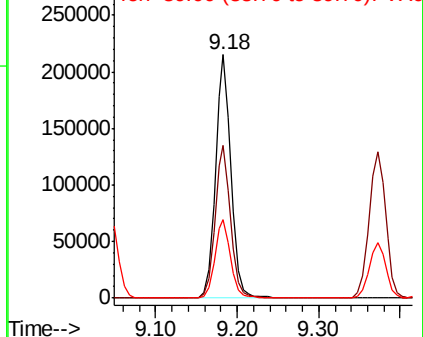


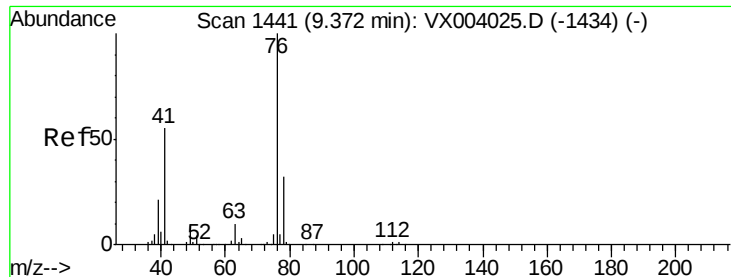
#56
 Ethyl methacrylate
 Concen: 52.49 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX004164.D
 Acq: 20 Aug 2018 20:14

Tgt Ion:	69	Resp:	288769
Ion	Ratio	Lower	Upper
69	100		
41	62.6	50.6	76.0
39	32.5	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

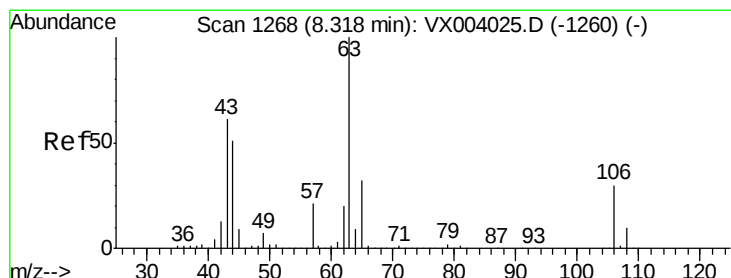
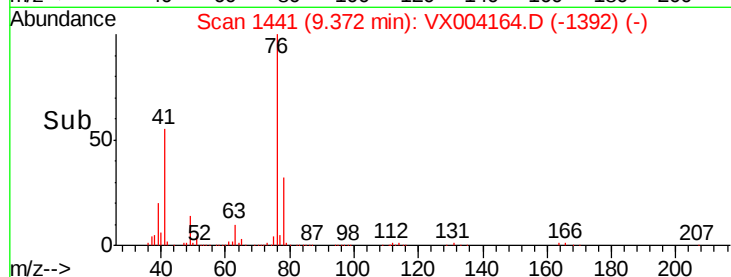
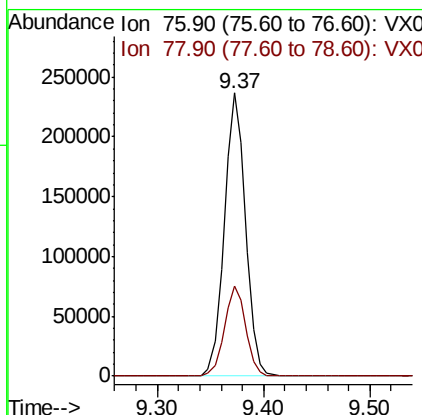
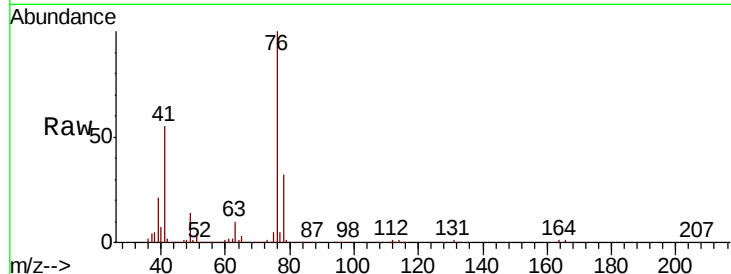




#57
 1,3-Dichloropropane
 Concen: 49.02 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VX004164.D
 Acq: 20 Aug 2018 20:14

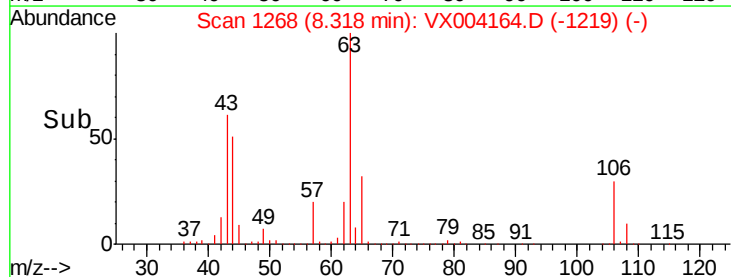
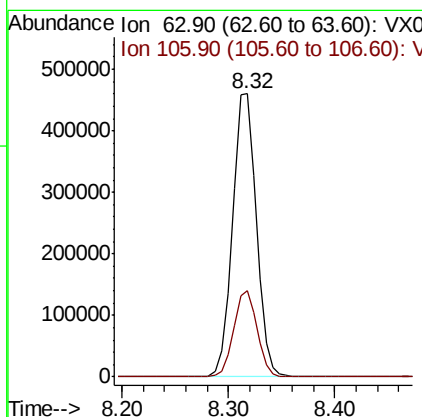
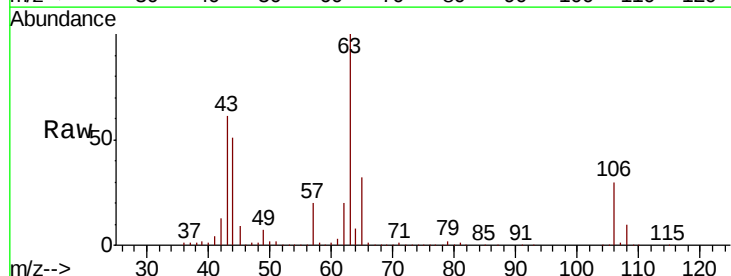
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

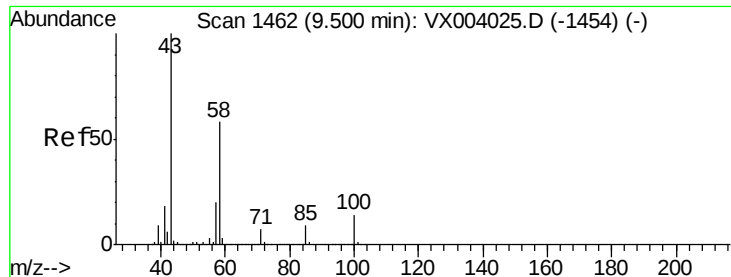
Tot Ion: 76 Resp: 329032
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 258.57 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VX004164.D
 Acq: 20 Aug 2018 20:14

Tgt Ion: 63 Resp: 724363
 Ion Ratio Lower Upper
 63 100
 106 29.9 23.8 35.8

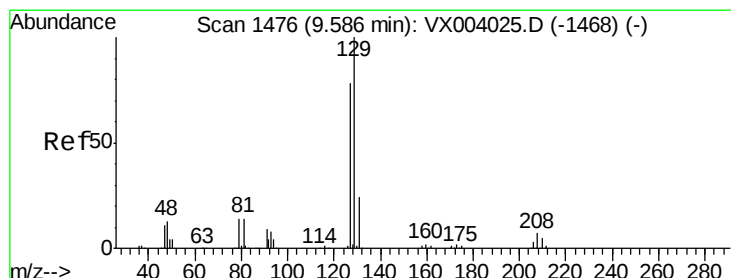
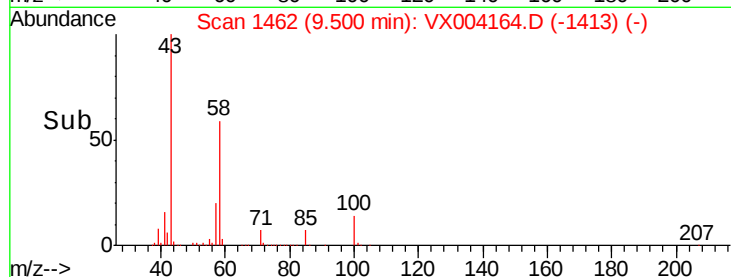
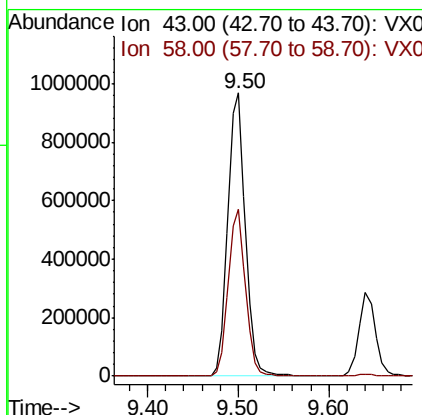
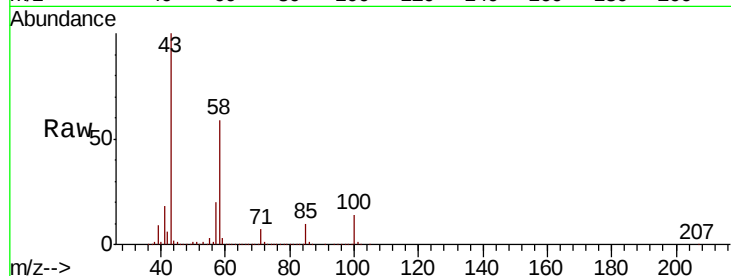




#59
2-Hexanone
Concen: 255.26 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX004164.D
Acq: 20 Aug 2018 20:14

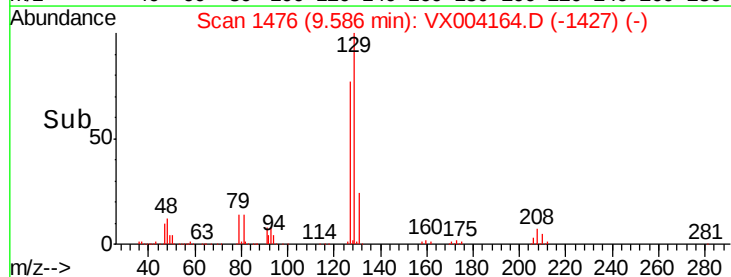
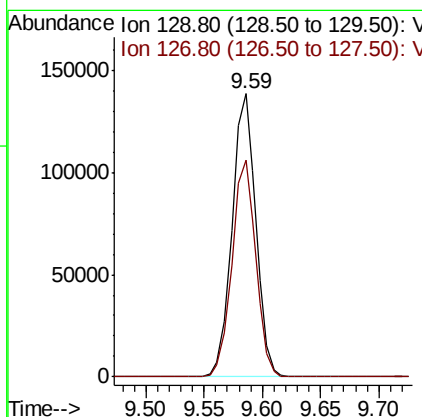
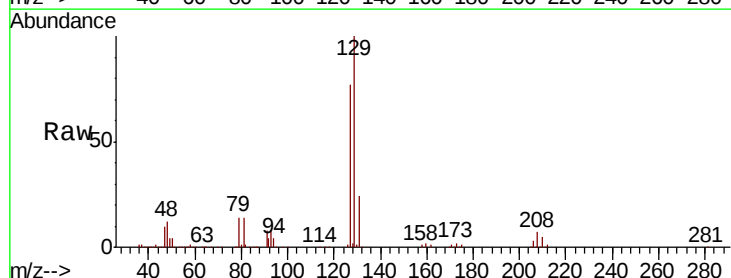
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

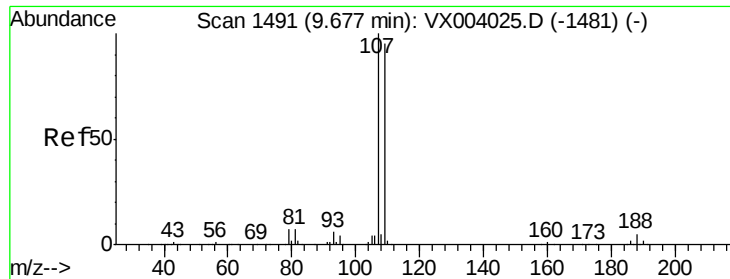
Tot Ion: 43 Resp: 1304373
Ion Ratio Lower Upper
43 100
58 58.1 29.0 87.0



#60
Dibromochloromethane
Concen: 50.57 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX004164.D
Acq: 20 Aug 2018 20:14

Tgt Ion: 129 Resp: 196869
Ion Ratio Lower Upper
129 100
127 76.8 38.8 116.3





#61

1,2-Dibromoethane

Concen: 49.15 ug/l

RT: 9.67 min Scan# 1490

Delta R.T. -0.01 min

Lab File: VX004164.D

Acq: 20 Aug 2018 20:14

Instrument :

MSVOA_X

ClientSampleId :

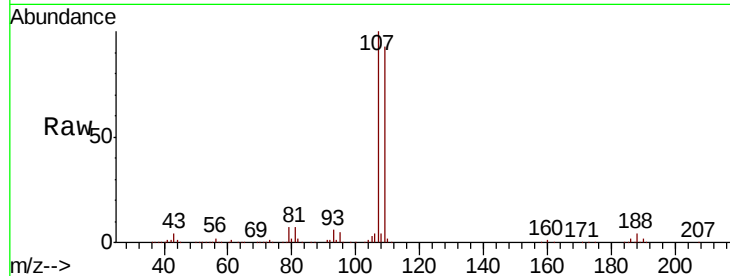
VSTDCCC050EC

Tot Ion:107 Resp: 202722

Ion Ratio Lower Upper

107 100

109 94.5 75.8 113.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

150000

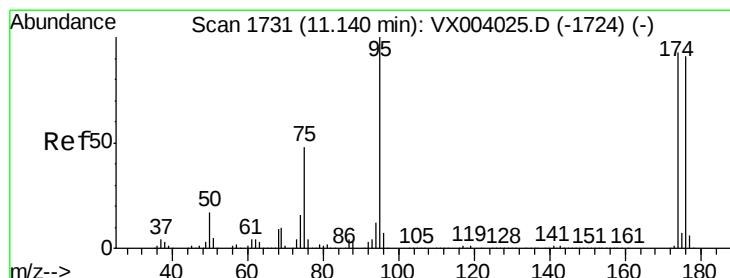
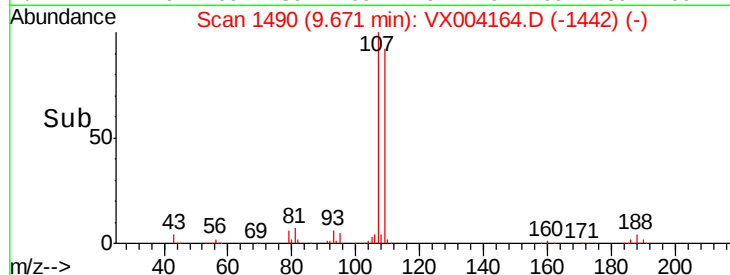
100000

50000

0

9.60 9.70 9.80

Time-->



#62

4-Bromofluorobenzene

Concen: 49.05 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004164.D

Acq: 20 Aug 2018 20:14

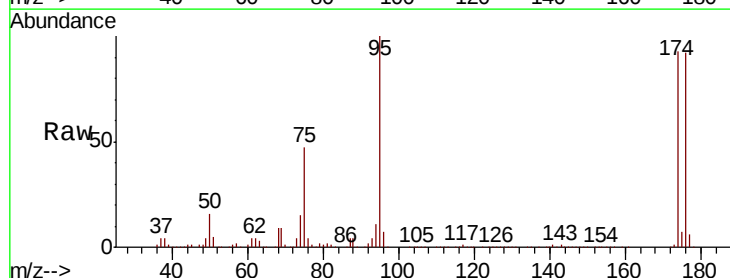
Tgt Ion: 95 Resp: 244727

Ion Ratio Lower Upper

95 100

174 91.4 0.0 182.8

176 90.3 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

250000

200000

150000

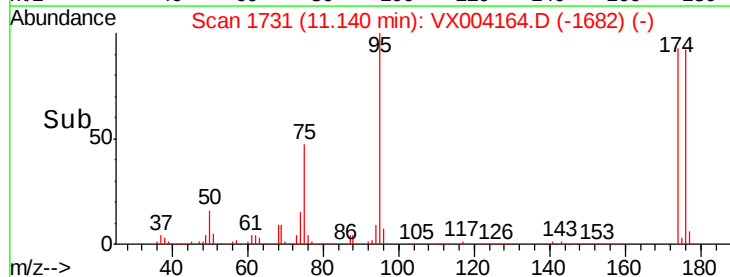
100000

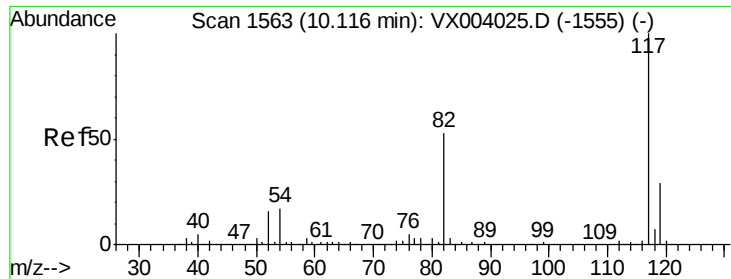
50000

0

11.10 11.20

Time-->

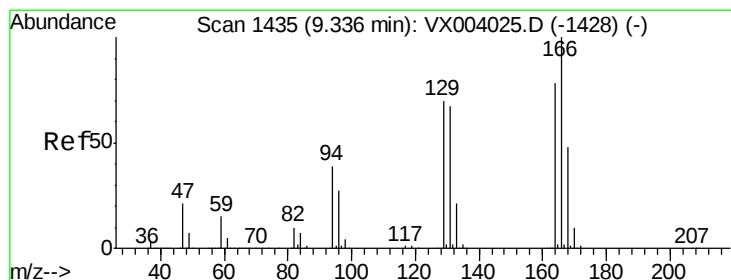
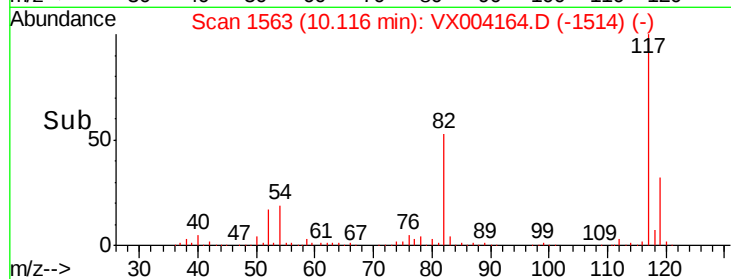
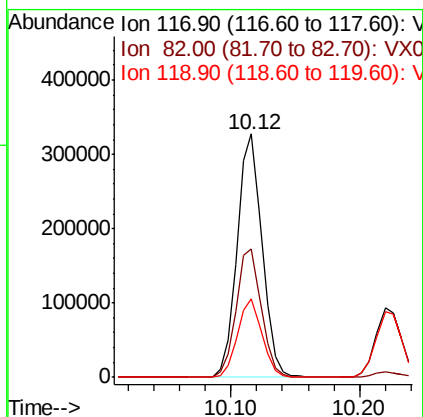
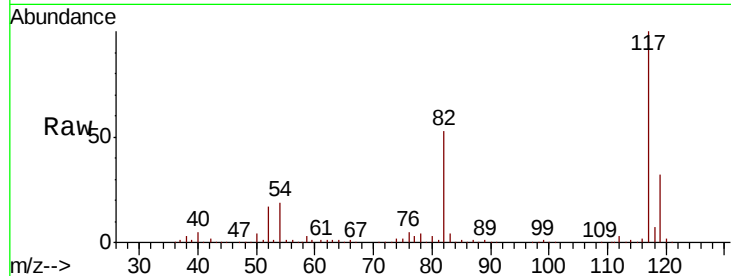




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004164.D
Acq: 20 Aug 2018 20:14

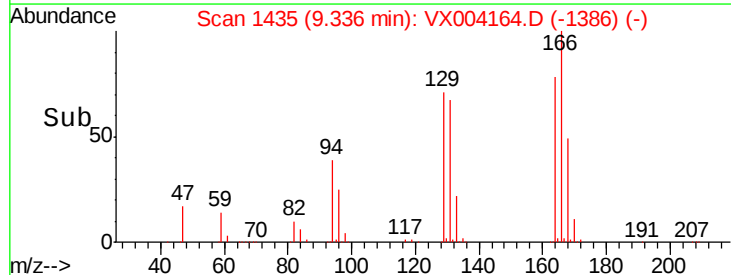
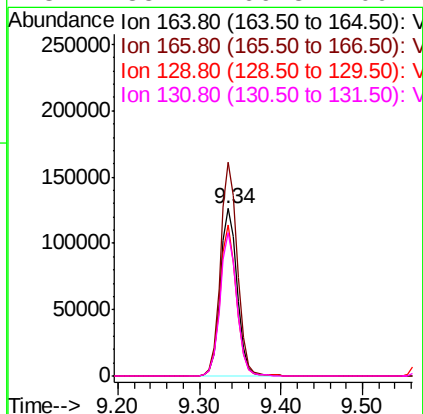
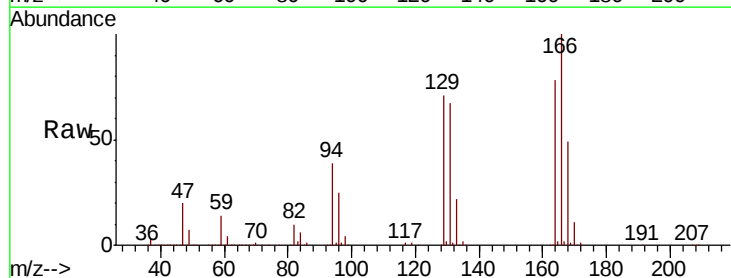
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

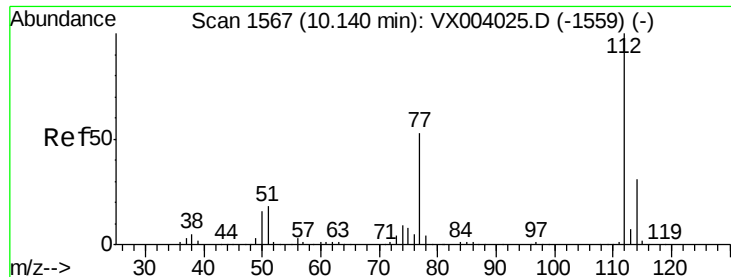
Tot Ion:117 Resp: 439066
Ion Ratio Lower Upper
117 100
82 52.6 45.4 68.0
119 32.4 26.6 40.0



#64
Tetrachloroethene
Concen: 44.08 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX004164.D
Acq: 20 Aug 2018 20:14

Tgt Ion:164 Resp: 183434
Ion Ratio Lower Upper
164 100
166 127.4 98.0 147.0
129 90.1 64.3 96.5
131 85.2 66.8 100.2





#65

Chlorobenzene

Concen: 46.83 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VX004164.D

Acq: 20 Aug 2018 20:14

Instrument :

MSVOA_X

ClientSampleId :

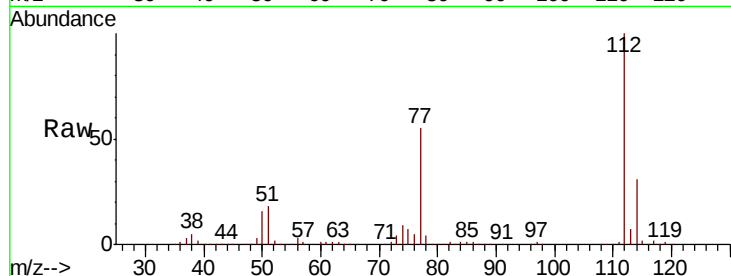
VSTDCCC050EC

Tot Ion:112 Resp: 531179

Ion Ratio Lower Upper

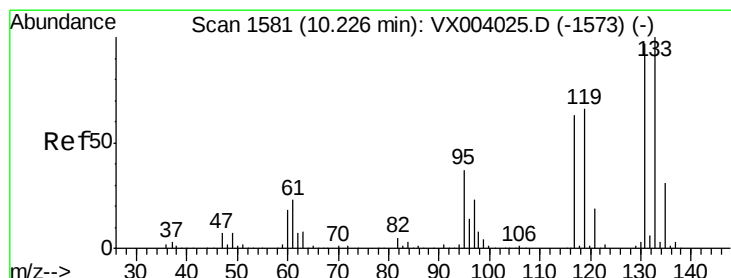
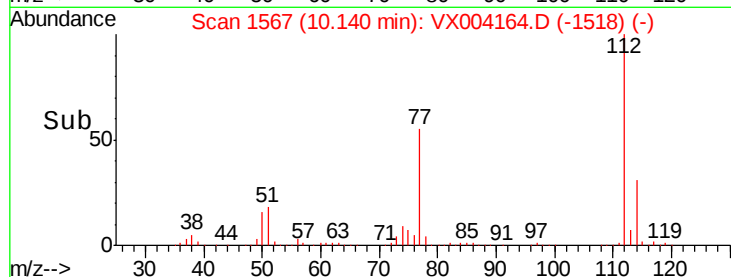
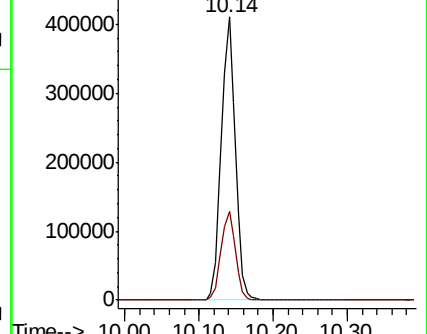
112 100

114 31.4 23.6 35.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 49.08 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX004164.D

Acq: 20 Aug 2018 20:14

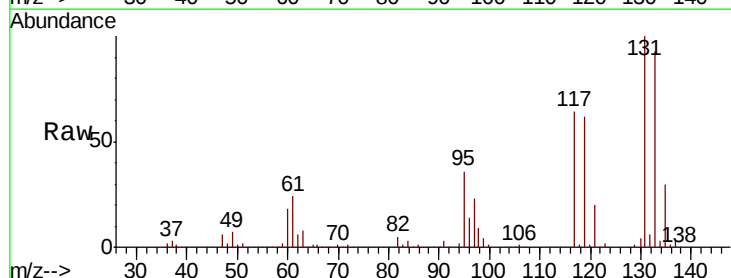
Tgt Ion:131 Resp: 189857

Ion Ratio Lower Upper

131 100

133 96.0 47.3 141.8

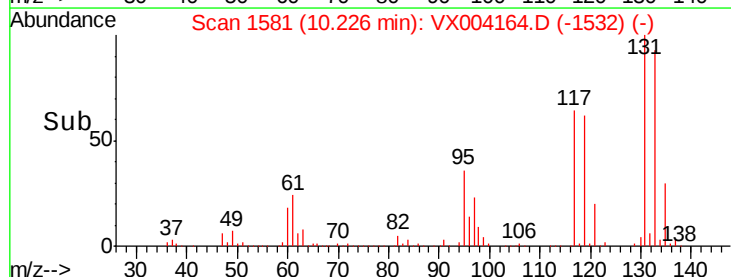
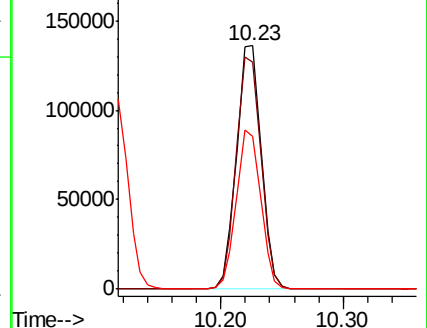
119 64.7 31.6 94.8

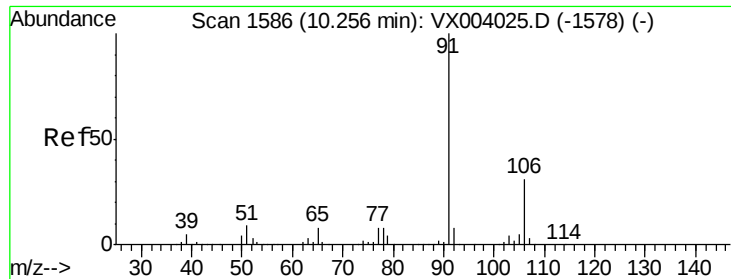


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

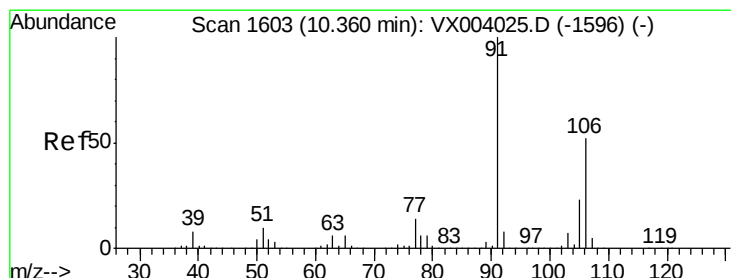
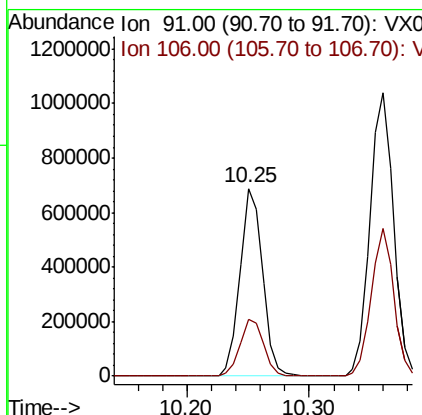
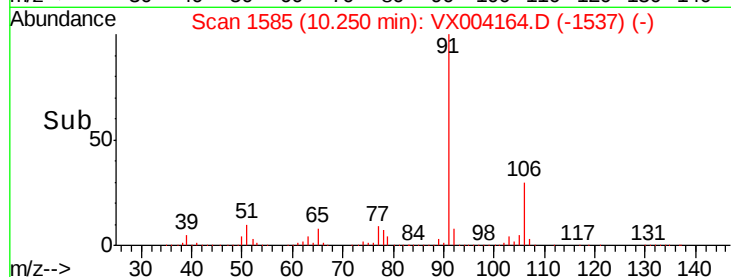
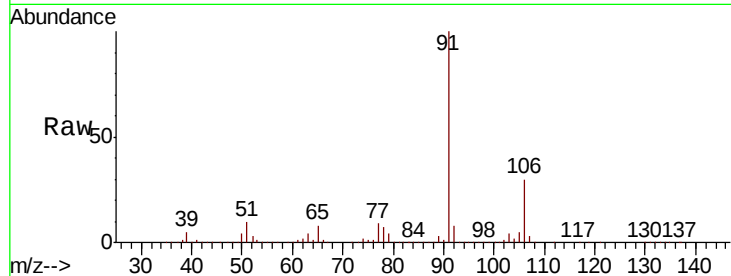




#67
Ethyl Benzene
Concen: 49.15 ug/l
RT: 10.25 min Scan# 1585
Delta R.T. -0.01 min
Lab File: VX004164.D
Acq: 20 Aug 2018 20:14

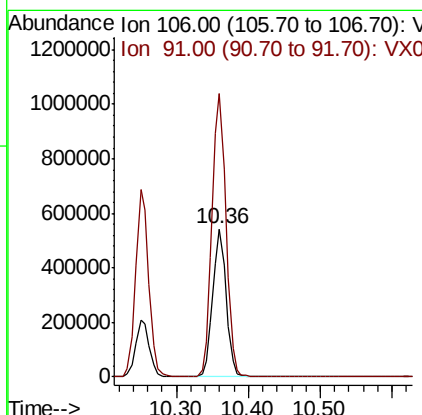
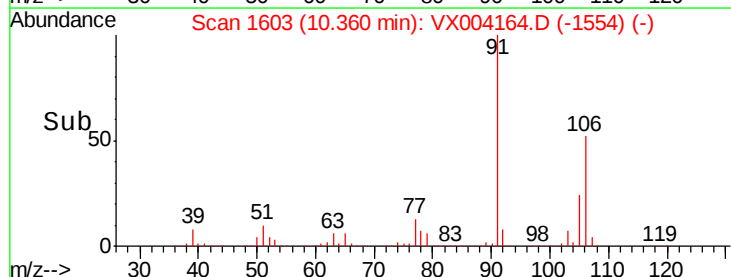
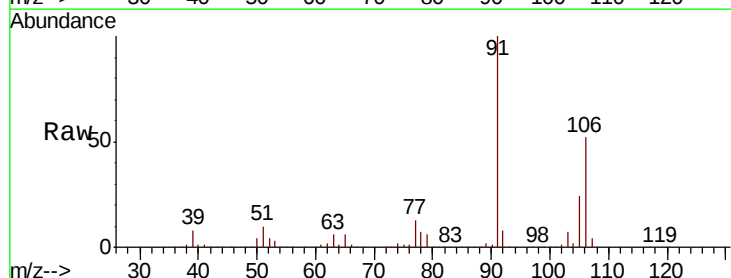
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

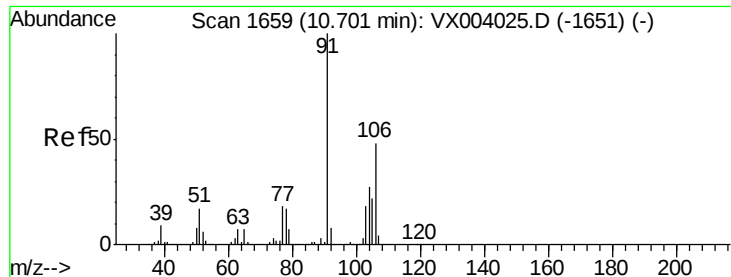
Tot Ion: 91 Resp: 882804
Ion Ratio Lower Upper
91 100
106 29.9 25.9 38.9



#68
m/p-Xylenes
Concen: 99.33 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX004164.D
Acq: 20 Aug 2018 20:14

Tgt Ion: 106 Resp: 698589
Ion Ratio Lower Upper
106 100
91 199.6 162.3 243.5

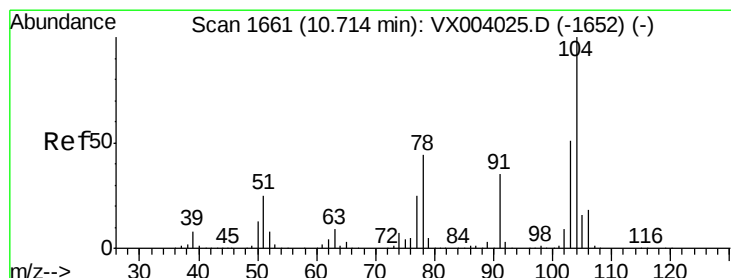
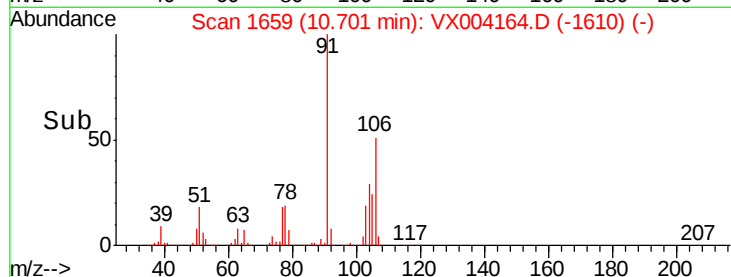
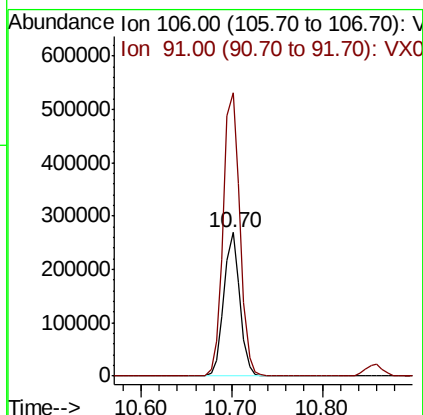
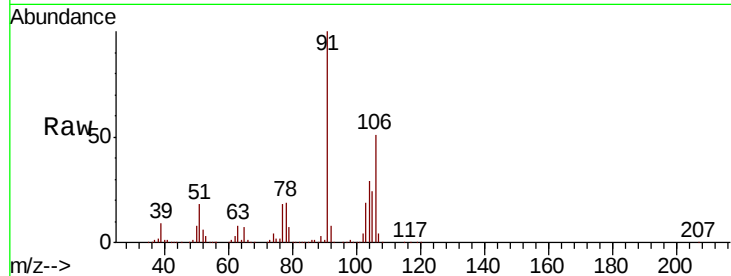




#69
o-Xylene
Concen: 49.32 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX004164.D
Acq: 20 Aug 2018 20:14

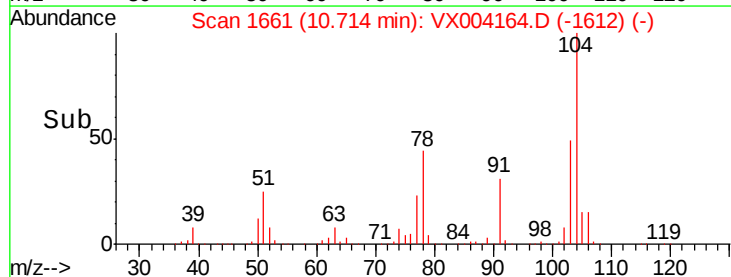
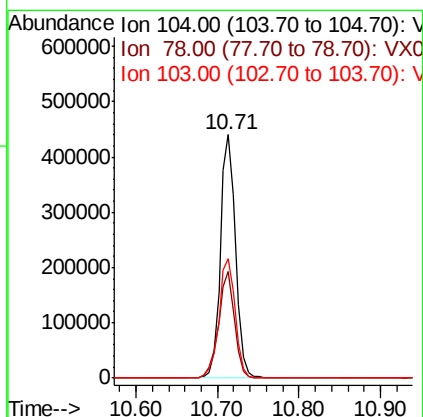
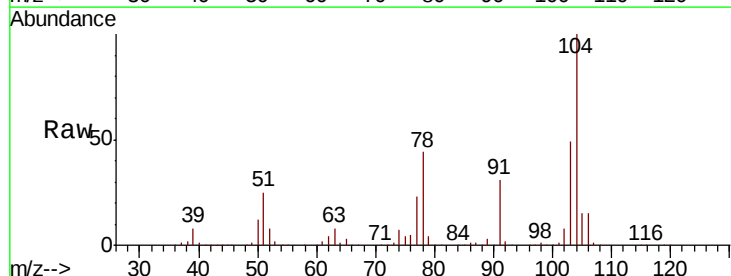
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

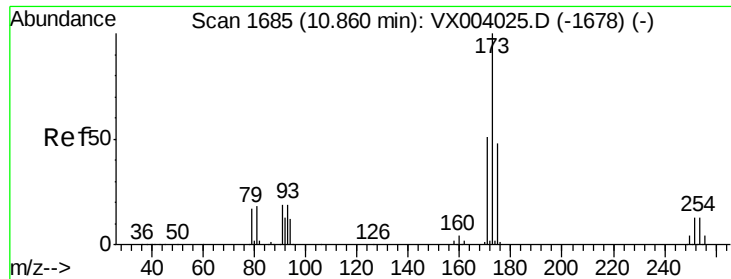
Tot Ion:106 Resp: 331486
Ion Ratio Lower Upper
106 100
91 206.4 101.9 305.7



#70
Styrene
Concen: 50.33 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX004164.D
Acq: 20 Aug 2018 20:14

Tgt Ion:104 Resp: 569292
Ion Ratio Lower Upper
104 100
78 47.2 39.8 59.6
103 53.5 44.3 66.5





#71

Bromoform

Concen: 47.54 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VX004164.D

Acq: 20 Aug 2018 20:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

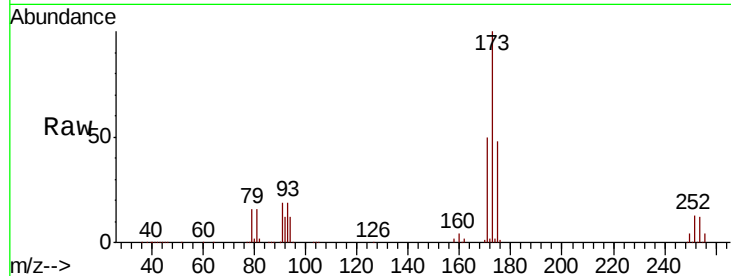
Tot Ion:173 Resp: 145819

Ion Ratio Lower Upper

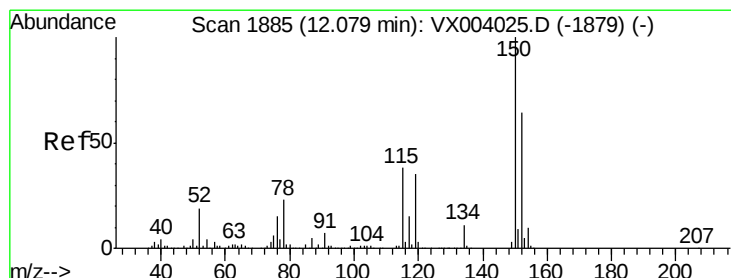
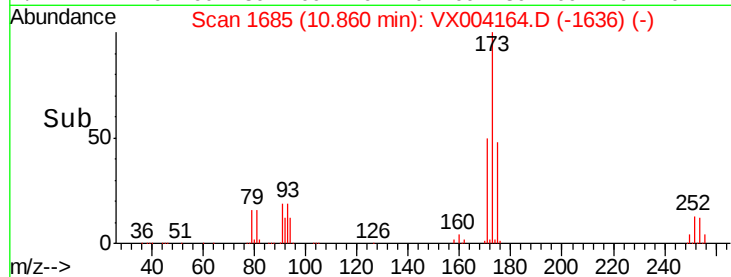
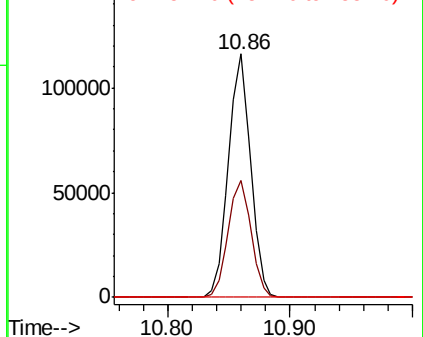
173 100

175 49.6 24.9 74.7

254 0.1 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX004164.D

Acq: 20 Aug 2018 20:14

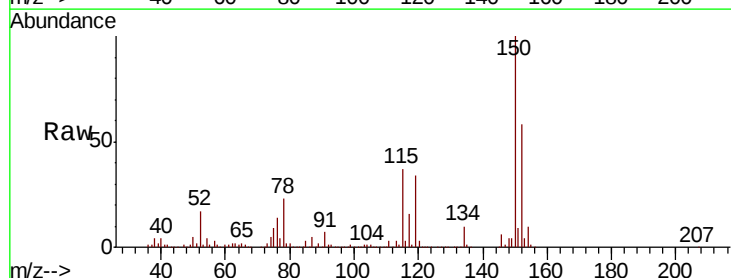
Tgt Ion:152 Resp: 262446

Ion Ratio Lower Upper

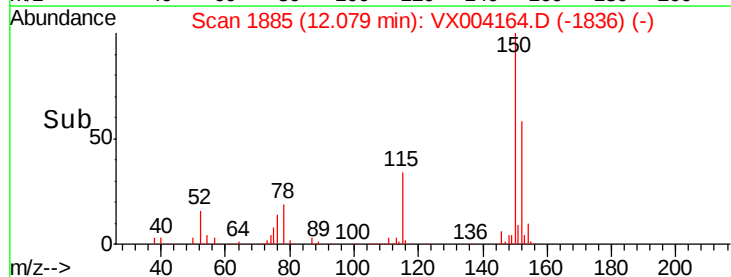
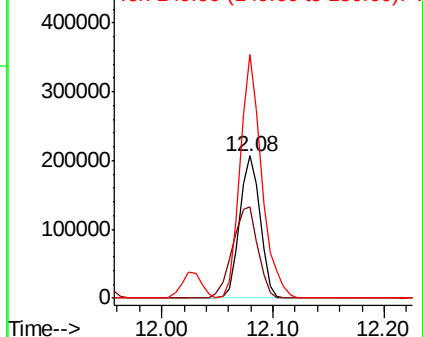
152 100

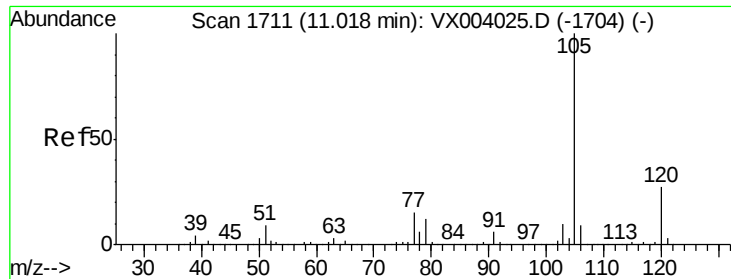
115 79.3 39.1 117.3

150 180.5 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: 52.18 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. 0.00 min

Lab File: VX004164.D

Acq: 20 Aug 2018 20:14

Instrument :

MSVOA_X

ClientSampleId :

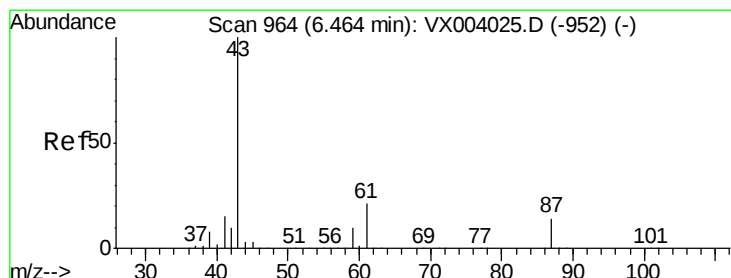
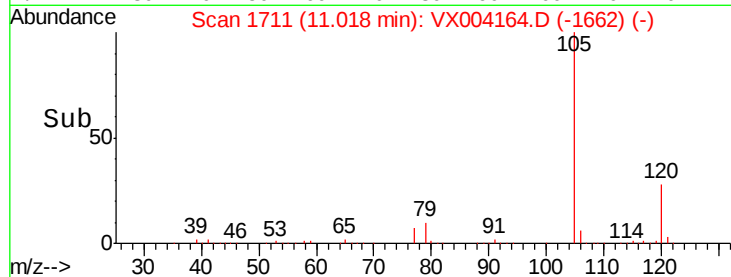
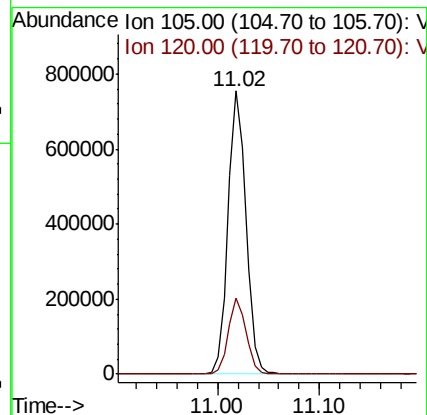
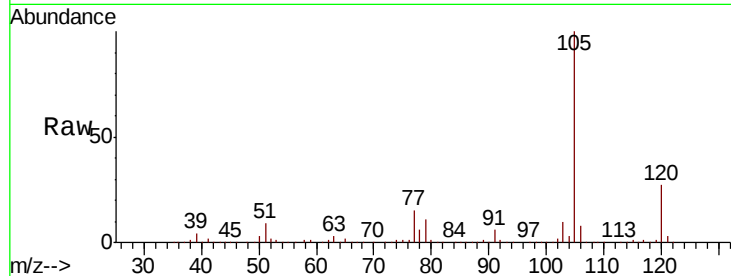
VSTDCCC050EC

Tot Ion:105 Resp: 926656

Ion Ratio Lower Upper

105 100

120 26.5 12.6 37.8



#74

N-ethyl acetate

Concen: 47.22 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.00 min

Lab File: VX004164.D

Acq: 20 Aug 2018 20:14

Tgt Ion: 43 Resp: 394428

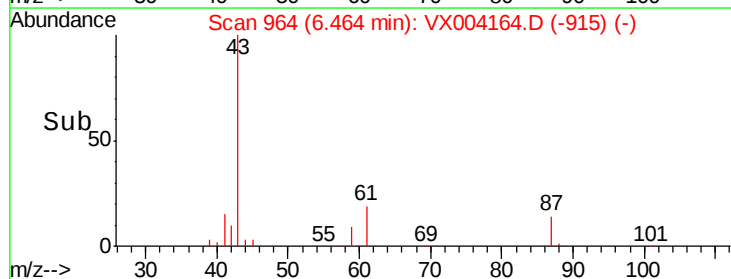
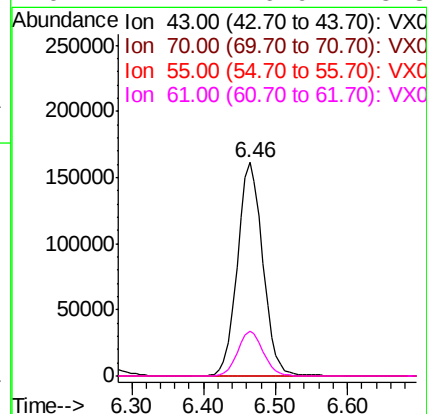
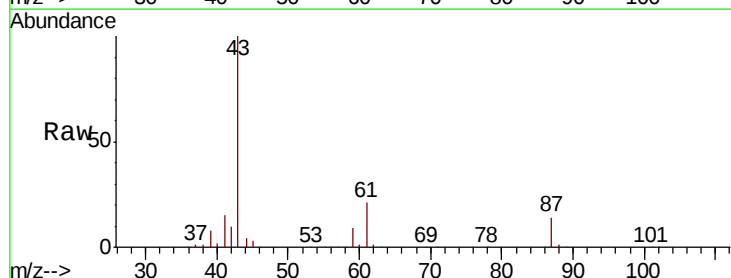
Ion Ratio Lower Upper

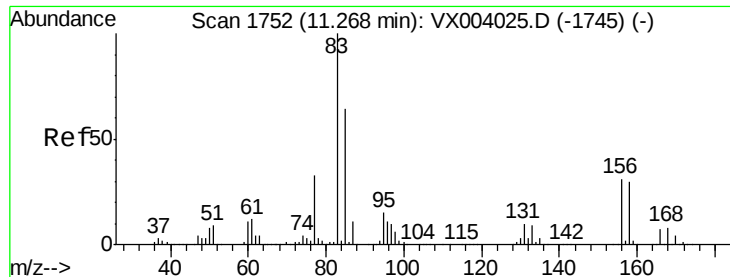
43 100

70 0.0 0.0 0.0

55 0.1 0.1 0.1#

61 21.2 16.9 25.3





#75

1,1,2,2-Tetrachloroethane

Concen: 50.10 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.00 min

Lab File: VX004164.D

Acq: 20 Aug 2018 20:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

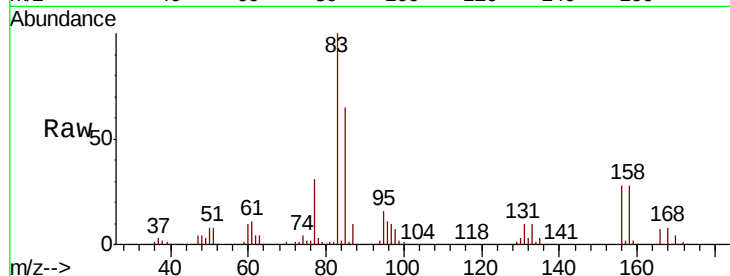
Tot Ion: 83 Resp: 310737

Ion Ratio Lower Upper

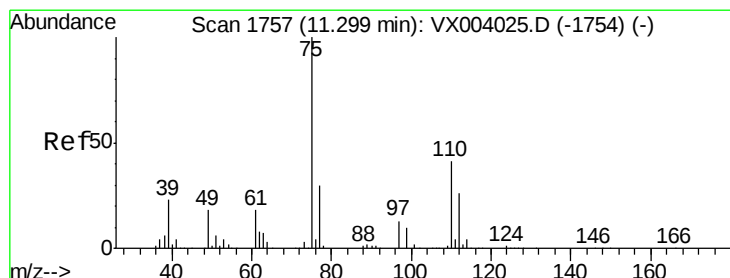
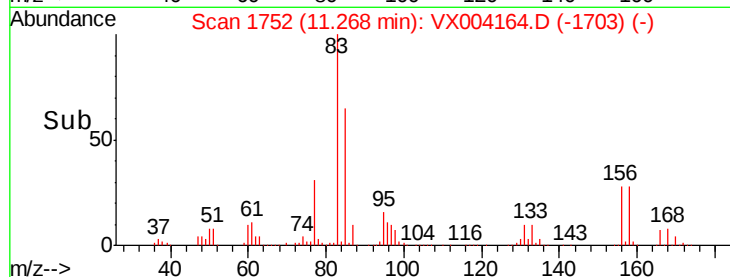
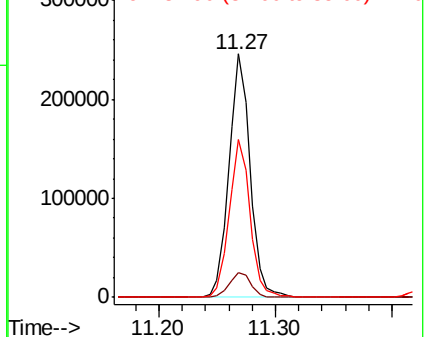
83 100

131 10.5 5.2 15.6

85 64.2 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: 64.54 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VX004164.D

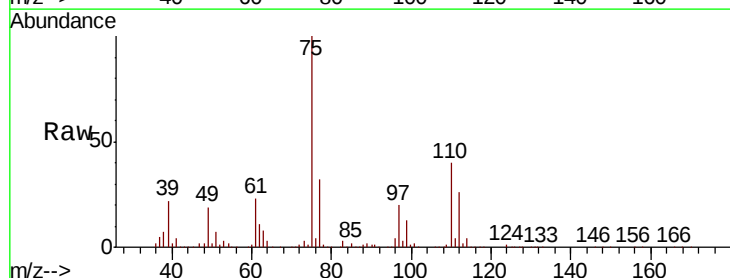
Acq: 20 Aug 2018 20:14

Tgt Ion: 75 Resp: 339660

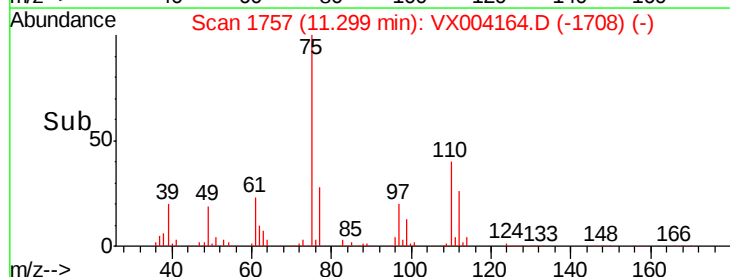
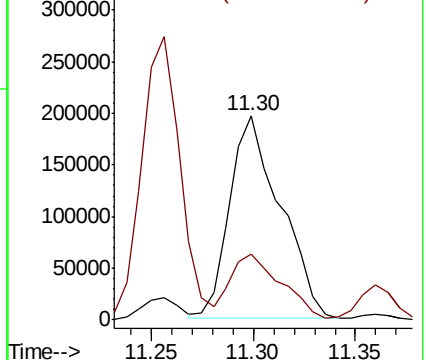
Ion Ratio Lower Upper

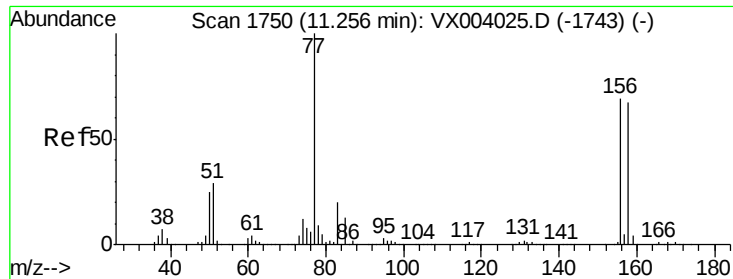
75 100

77 32.4 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: 50.13 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX004164.D

Acq: 20 Aug 2018 20:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

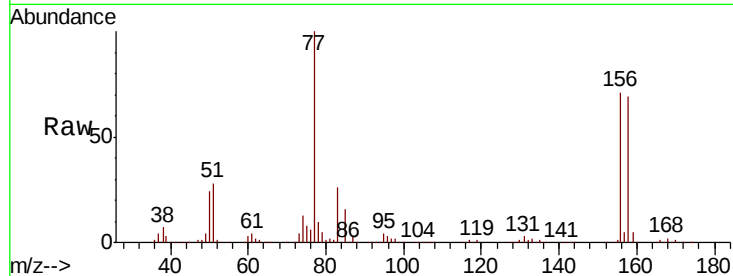
Tot Ion:156 Resp: 245415

Ion Ratio Lower Upper

156 100

77 146.1 74.1 222.2

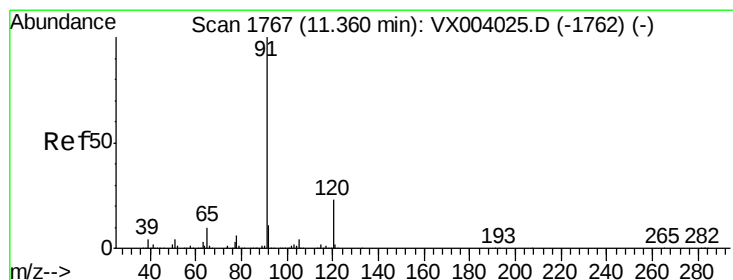
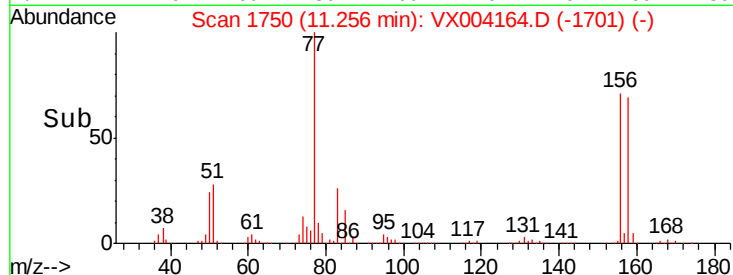
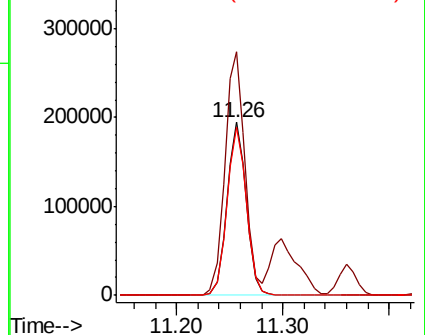
158 98.3 48.6 145.9



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: 53.26 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. 0.00 min

Lab File: VX004164.D

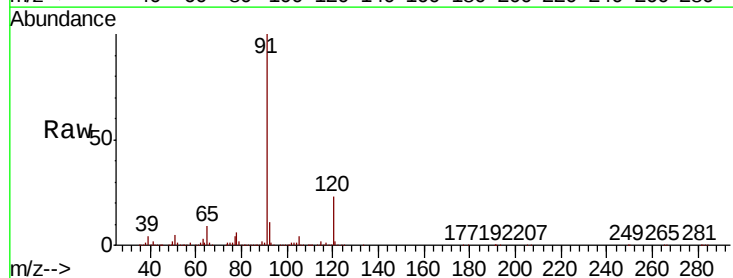
Acq: 20 Aug 2018 20:14

Tgt Ion: 91 Resp: 1058540

Ion Ratio Lower Upper

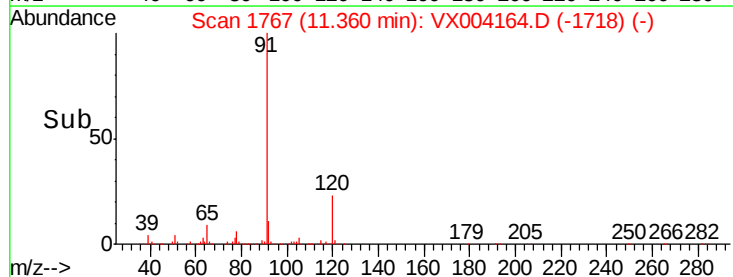
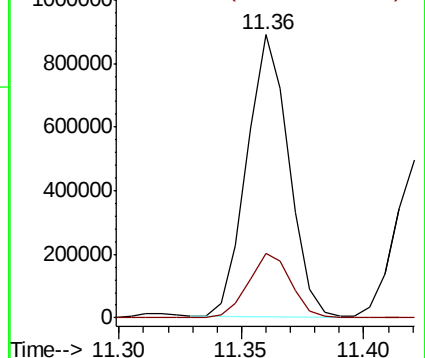
91 100

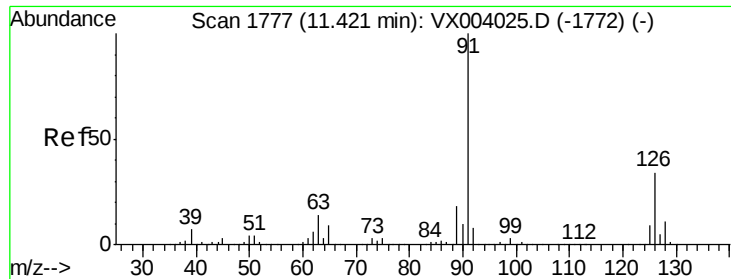
120 23.6 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

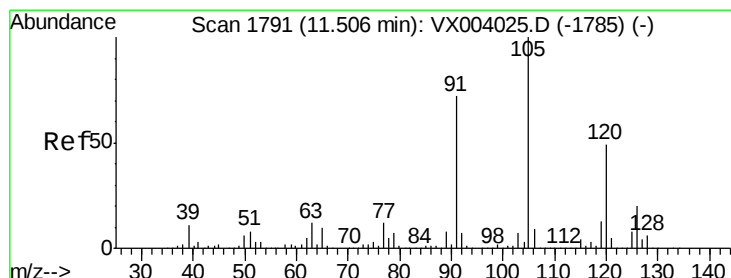
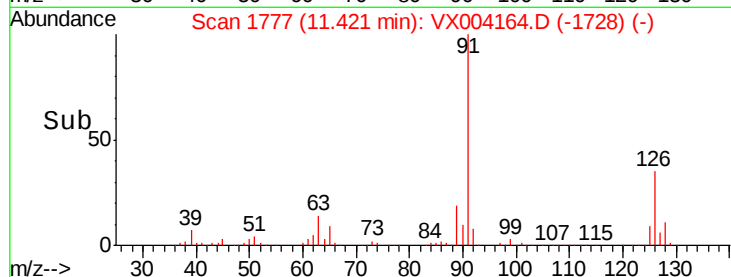
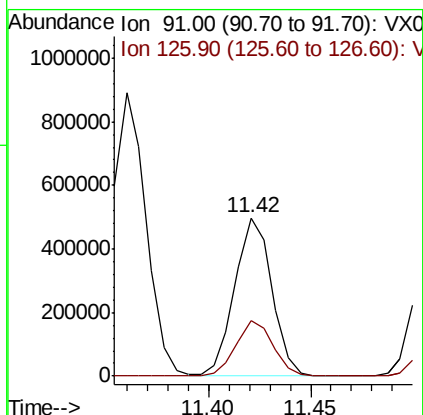
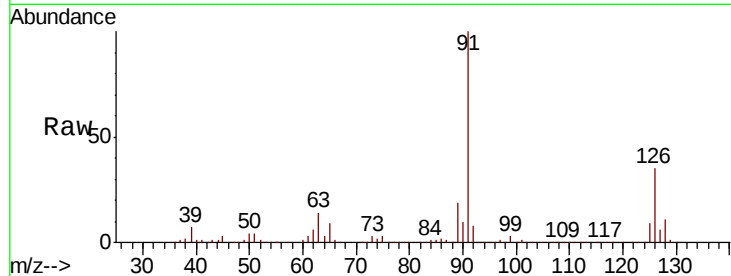




#79
 2-Chlorotoluene
 Concen: 51.66 ug/l
 RT: 11.42 min Scan# 1777
 Delta R.T. 0.00 min
 Lab File: VX004164.D
 Acq: 20 Aug 2018 20:14

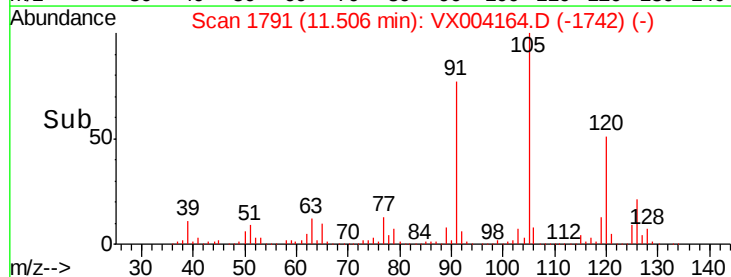
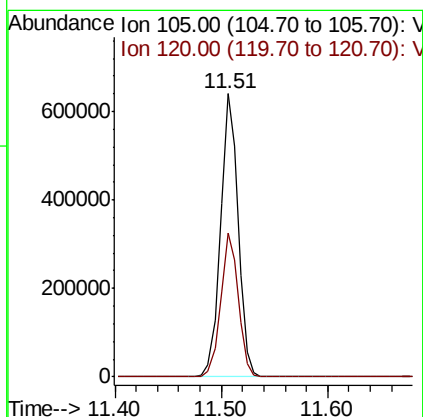
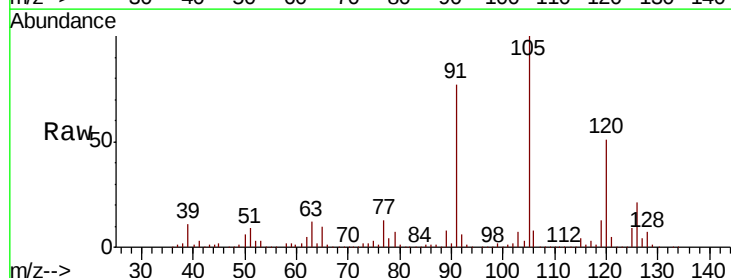
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

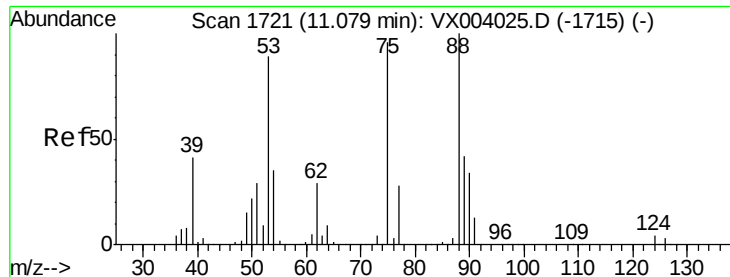
Tot Ion: 91 Resp: 625704
 Ion Ratio Lower Upper
 91 100
 126 35.2 17.4 52.3



#80
 1,3,5-Trimethylbenzene
 Concen: 50.61 ug/l
 RT: 11.51 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX004164.D
 Acq: 20 Aug 2018 20:14

Tgt Ion: 105 Resp: 735967
 Ion Ratio Lower Upper
 105 100
 120 50.6 25.4 76.2

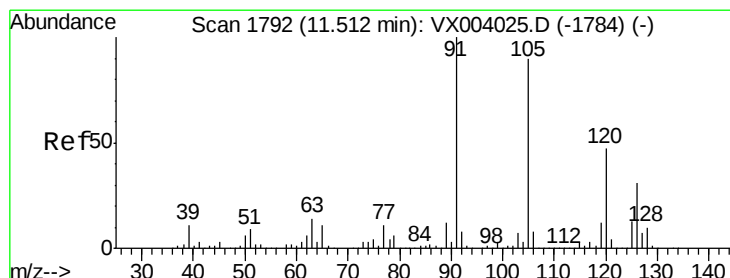
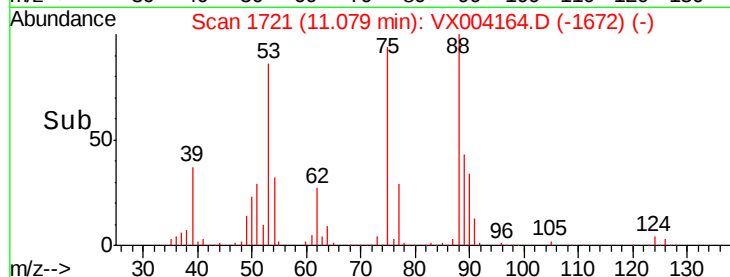
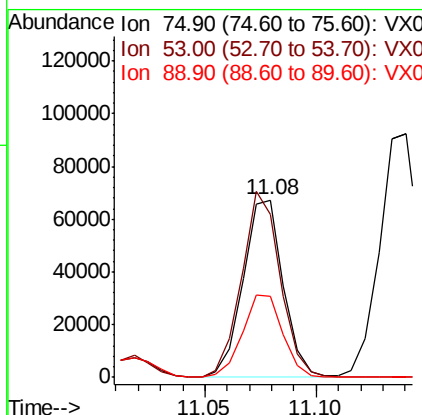
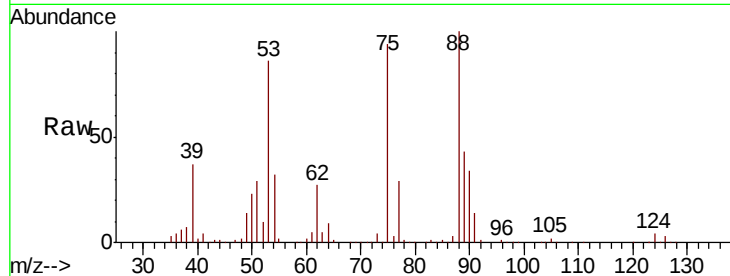




#81
trans-1,4-Dichloro-2-butene
Concen: 49.29 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX004164.D
Acq: 20 Aug 2018 20:14

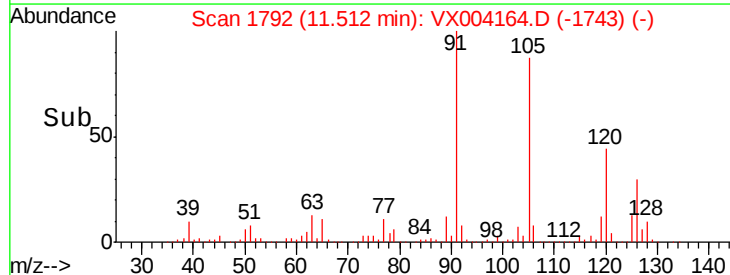
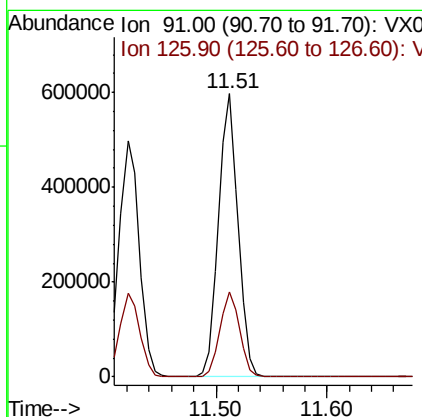
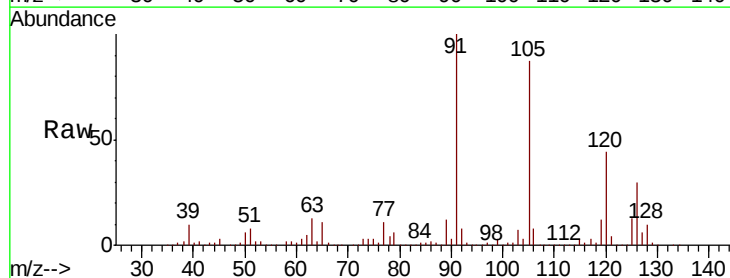
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

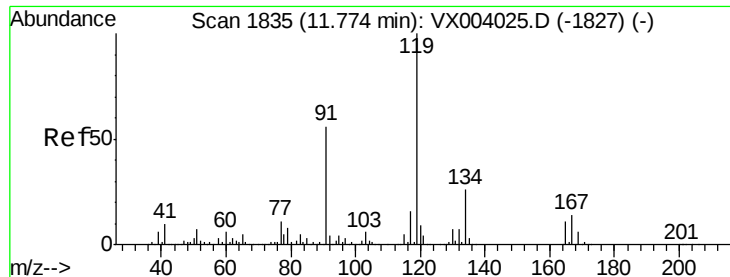
Tot Ion: 75 Resp: 83809
Ion Ratio Lower Upper
75 100
53 102.3 80.3 120.5
89 47.2 37.8 56.8



#82
4-Chlorotoluene
Concen: 50.69 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX004164.D
Acq: 20 Aug 2018 20:14

Tgt Ion: 91 Resp: 725806
Ion Ratio Lower Upper
91 100
126 30.2 15.6 46.7

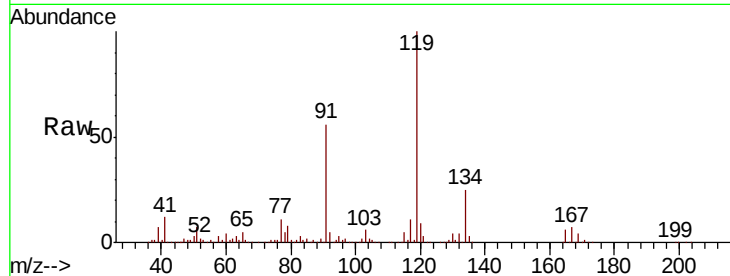




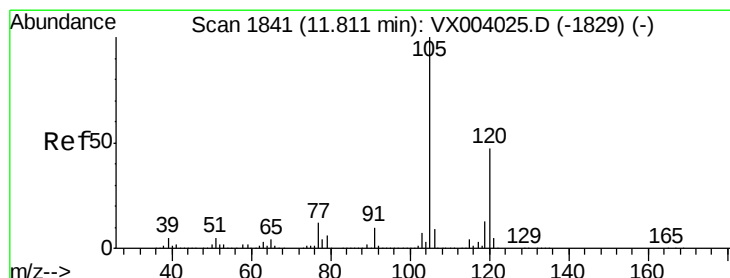
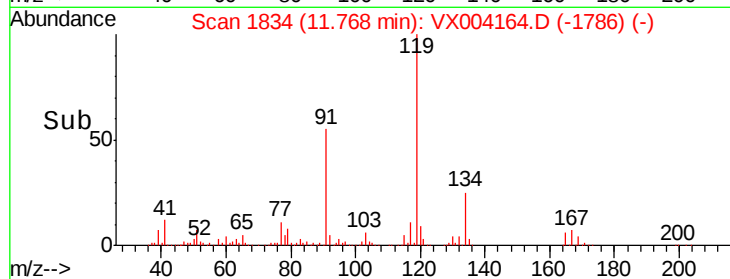
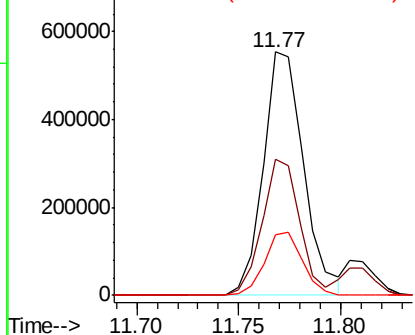
#83
 tert-Butylbenzene
 Concen: 52.19 ug/l
 RT: 11.77 min Scan# 1834
 Delta R.T. -0.01 min
 Lab File: VX004164.D
 Acq: 20 Aug 2018 20:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:119 Resp: 765246
 Ion Ratio Lower Upper
 119 100
 91 51.8 26.9 80.7
 134 24.4 12.0 36.0

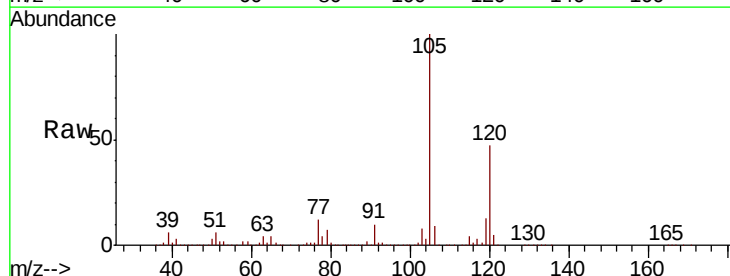


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VX
 Ion 134.00 (133.70 to 134.70): V

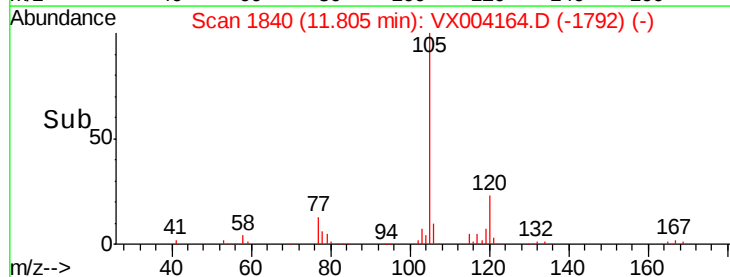
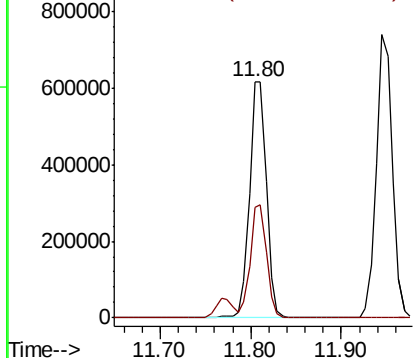


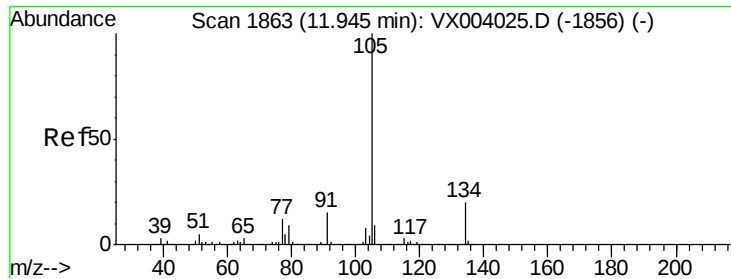
#84
 1,2,4-Trimethylbenzene
 Concen: 52.67 ug/l
 RT: 11.80 min Scan# 1840
 Delta R.T. -0.01 min
 Lab File: VX004164.D
 Acq: 20 Aug 2018 20:14

Tgt Ion:105 Resp: 793295
 Ion Ratio Lower Upper
 105 100
 120 46.1 23.1 69.2



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





#85

sec-Butylbenzene

Concen: 52.71 ug/l

RT: 11.94 min Scan# 1863

Delta R.T. -0.00 min

Lab File: VX004164.D

Acq: 20 Aug 2018 20:14

Instrument :

MSVOA_X

ClientSampleId :

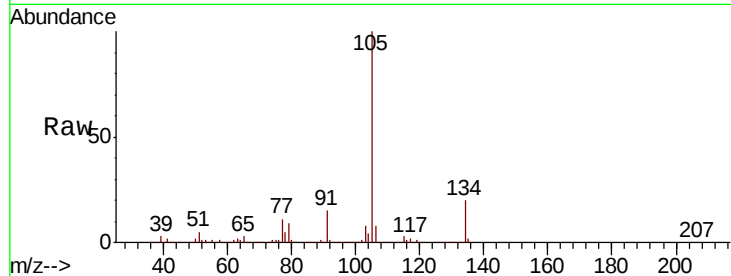
VSTDCCC050EC

Tot Ion:105 Resp: 904544

Ion Ratio Lower Upper

105 100

134 20.6 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

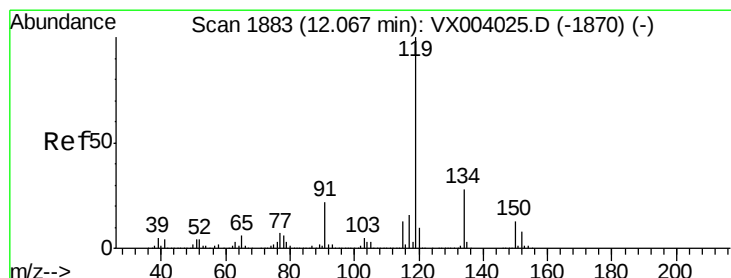
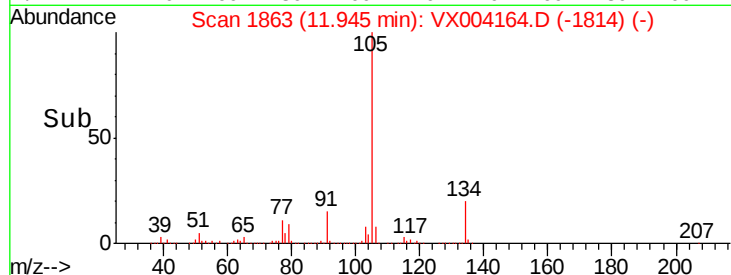
200000

0

11.90

12.00

Time-->



#86

p-Isopropyltoluene

Concen: 52.45 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX004164.D

Acq: 20 Aug 2018 20:14

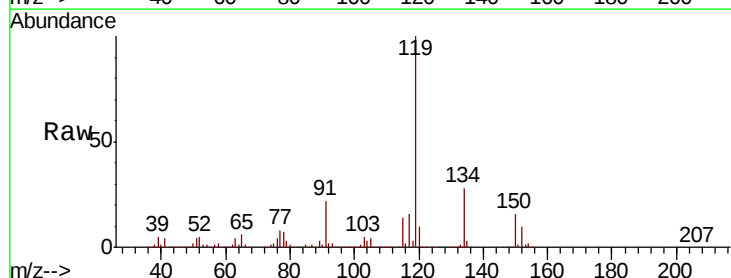
Tgt Ion:119 Resp: 814837

Ion Ratio Lower Upper

119 100

134 27.4 13.3 39.8

91 22.3 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

800000

600000

400000

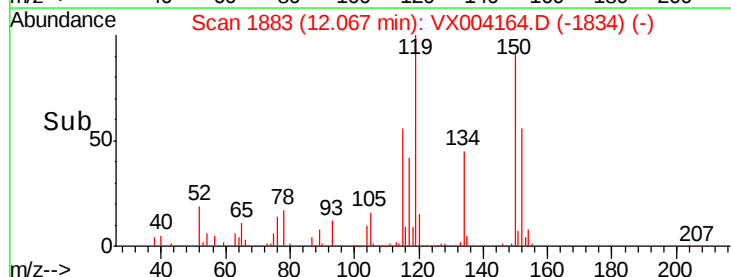
200000

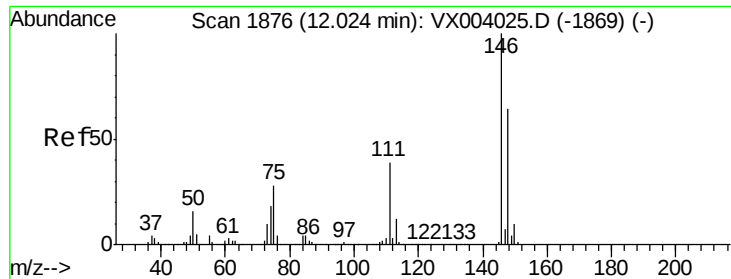
0

12.00

12.10

Time-->





#87

1,3-Dichlorobenzene

Concen: 49.35 ug/l

RT: 12.02 min Scan# 1876

Delta R.T. 0.00 min

Lab File: VX004164.D

Acq: 20 Aug 2018 20:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

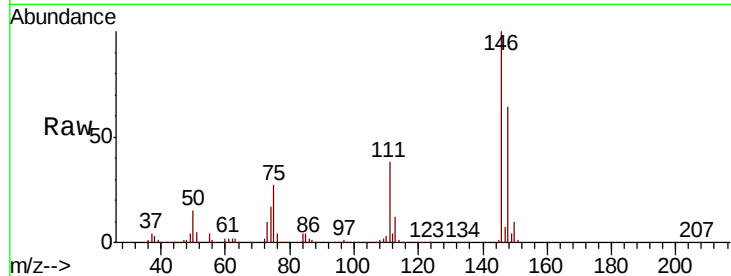
Tot Ion:146 Resp: 460801

Ion Ratio Lower Upper

146 100

111 37.2 18.8 56.4

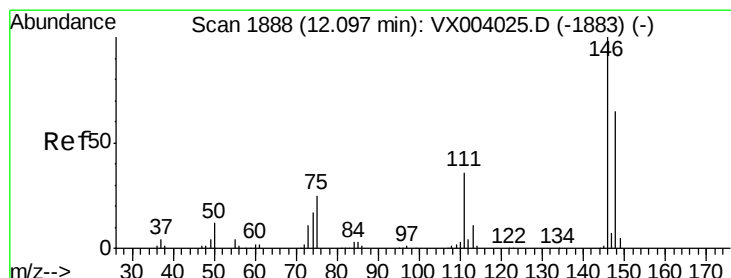
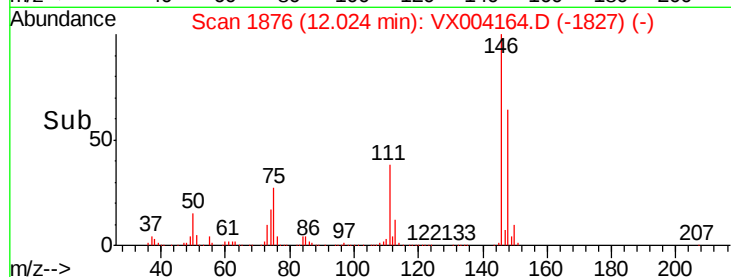
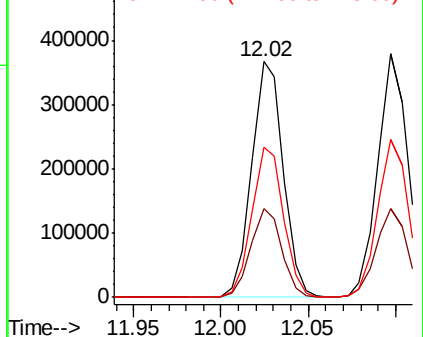
148 63.8 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 47.32 ug/l

RT: 12.10 min Scan# 1888

Delta R.T. -0.00 min

Lab File: VX004164.D

Acq: 20 Aug 2018 20:14

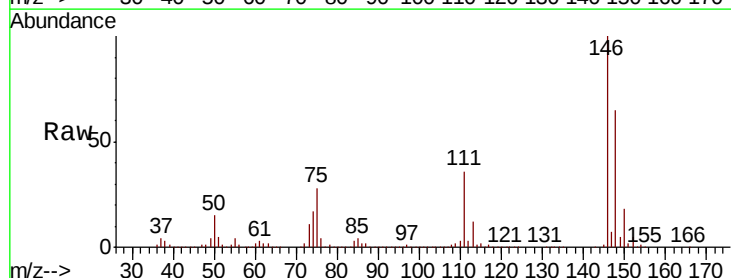
Tgt Ion:146 Resp: 454780

Ion Ratio Lower Upper

146 100

111 37.5 18.4 55.0

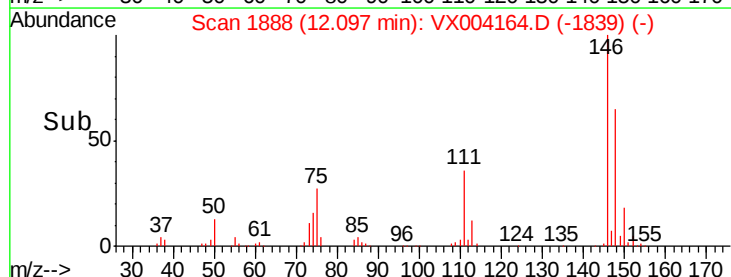
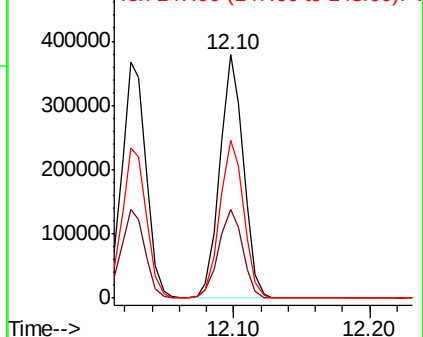
148 65.6 32.3 96.8

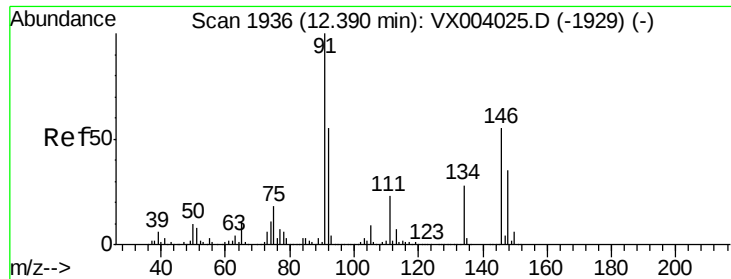


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

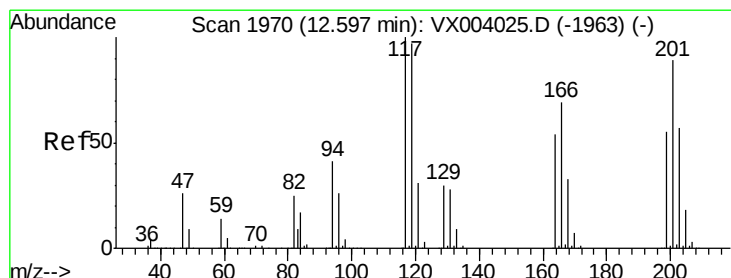
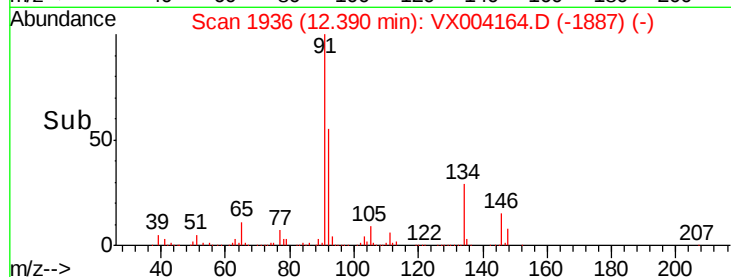
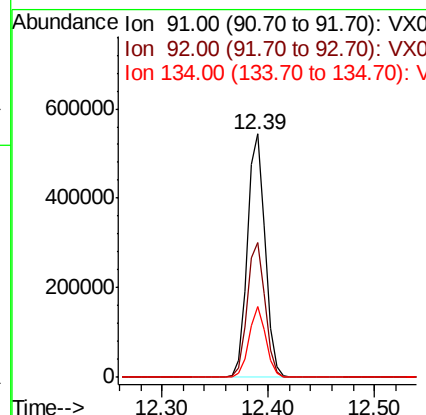
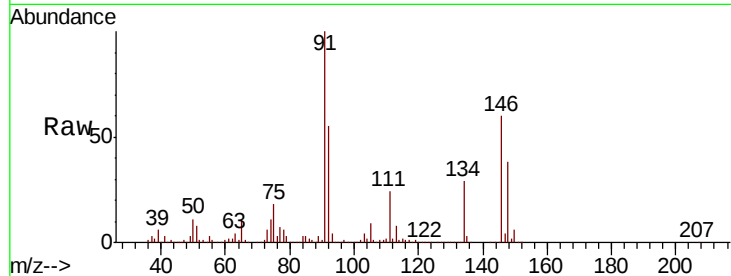




#89
n-Butylbenzene
Concen: 51.84 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX004164.D
Acq: 20 Aug 2018 20:14

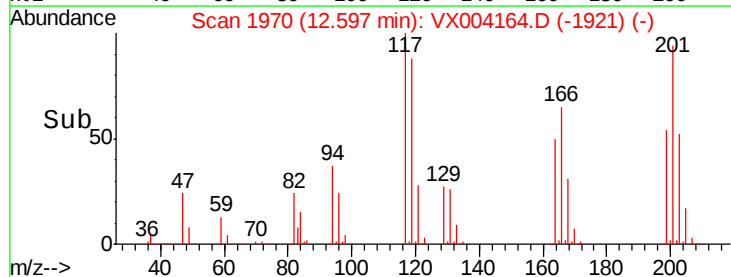
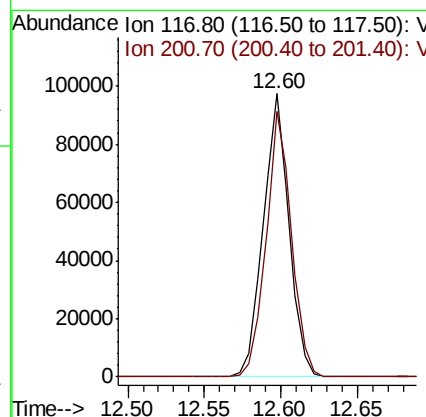
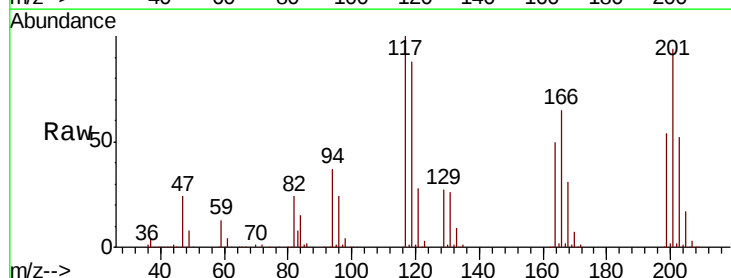
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

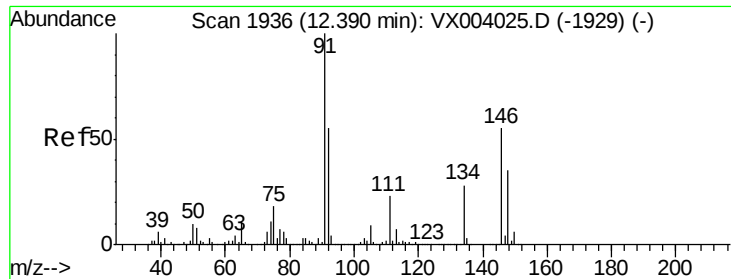
Tot Ion: 91 Resp: 634608
Ion Ratio Lower Upper
91 100
92 55.8 27.1 81.3
134 27.5 13.6 40.7



#90
Hexachloroethane
Concen: 49.11 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX004164.D
Acq: 20 Aug 2018 20:14

Tgt Ion: 117 Resp: 114149
Ion Ratio Lower Upper
117 100
201 92.9 46.1 138.2

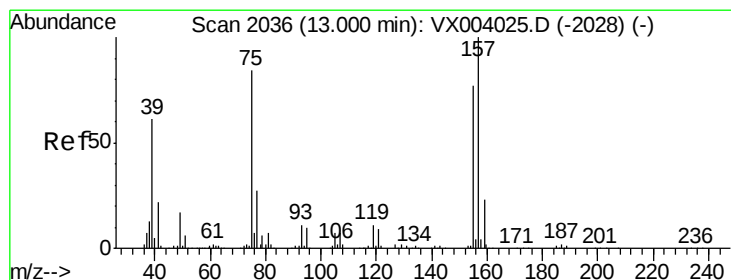
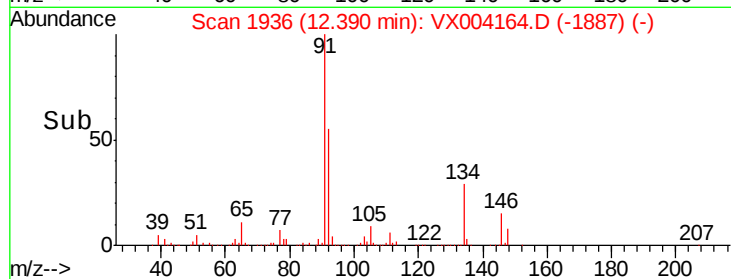
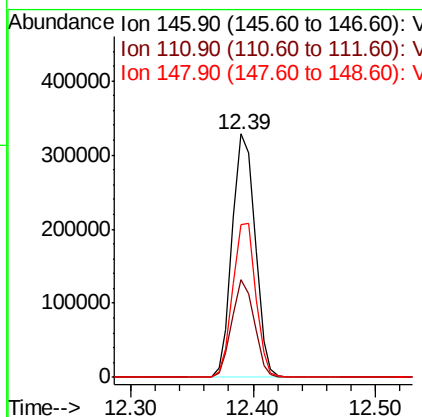
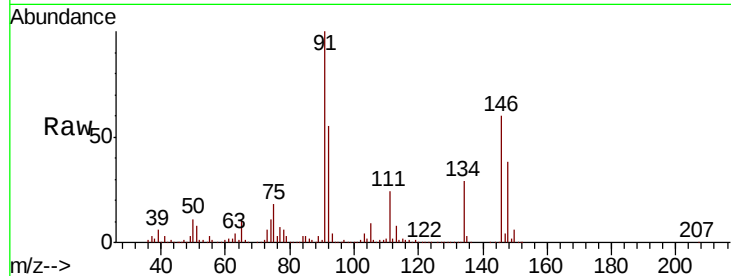




#91
 1,2-Dichlorobenzene
 Concen: 50.47 ug/l
 RT: 12.39 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: VX004164.D
 Acq: 20 Aug 2018 20:14

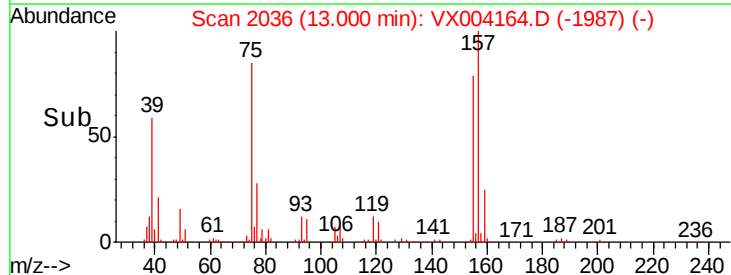
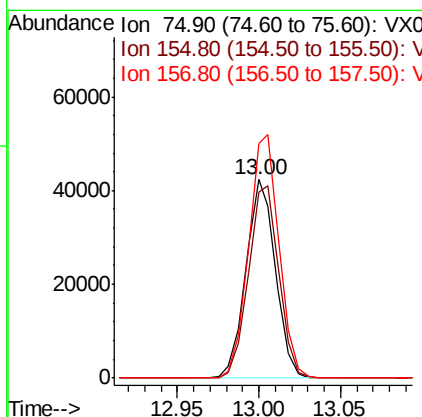
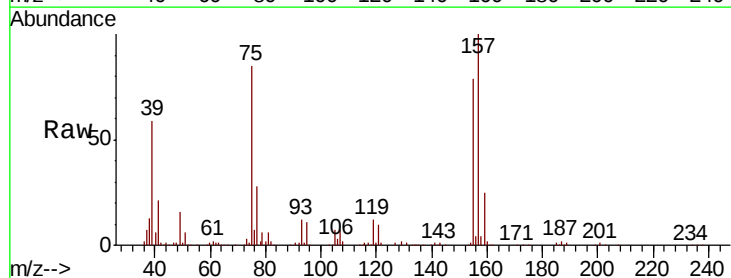
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

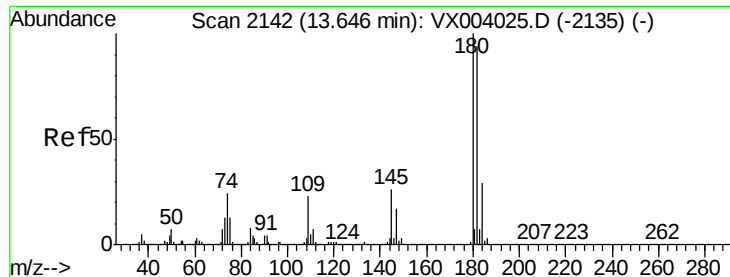
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.7	59.0
148	63.1	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.00 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VX004164.D
 Acq: 20 Aug 2018 20:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.5	48.7	146.1
157	125.7	62.6	187.8

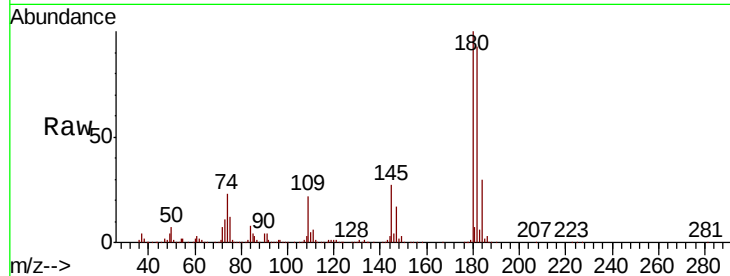




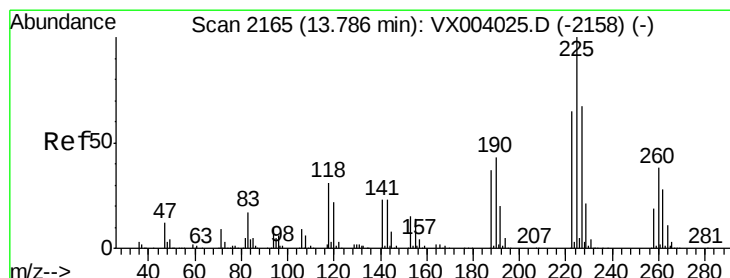
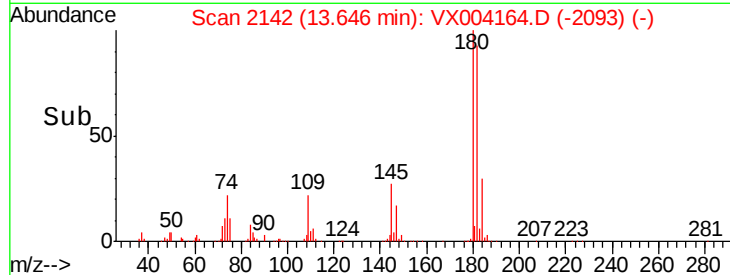
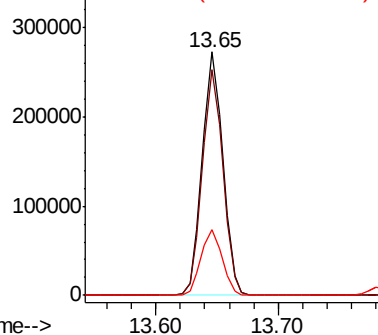
#93
 1,2,4-Trichlorobenzene
 Concen: 55.01 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VX004164.D
 Acq: 20 Aug 2018 20:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.6	47.7	143.1
145	27.7	13.9	41.6

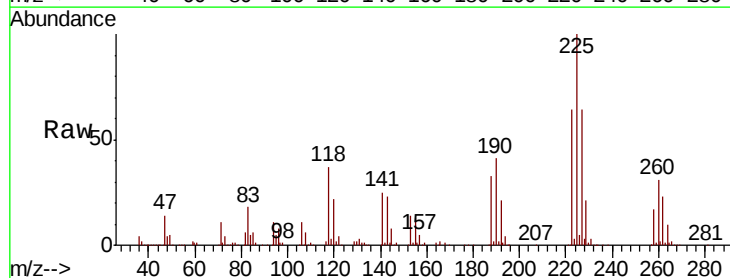


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

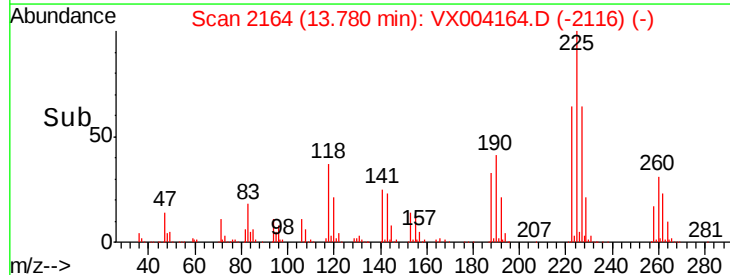
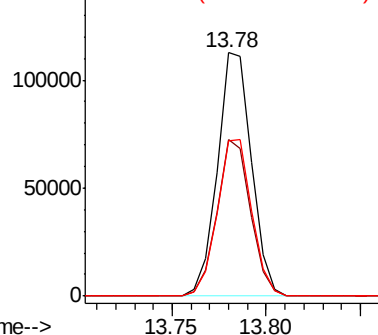


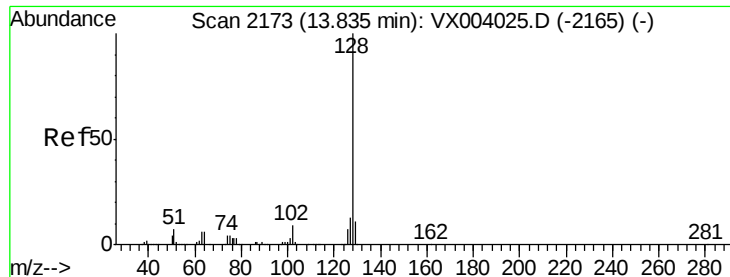
#94
 Hexachlorobutadiene
 Concen: 49.00 ug/l
 RT: 13.78 min Scan# 2164
 Delta R.T. -0.01 min
 Lab File: VX004164.D
 Acq: 20 Aug 2018 20:14

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	31.4	94.0
227	64.8	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: 51.97 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. 0.00 min

Lab File: VX004164.D

Acq: 20 Aug 2018 20:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

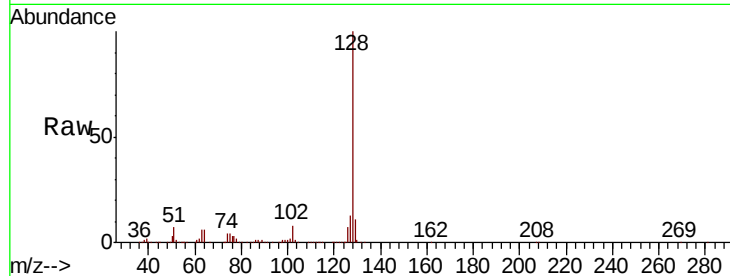
Tot Ion:128 Resp: 954497

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.2

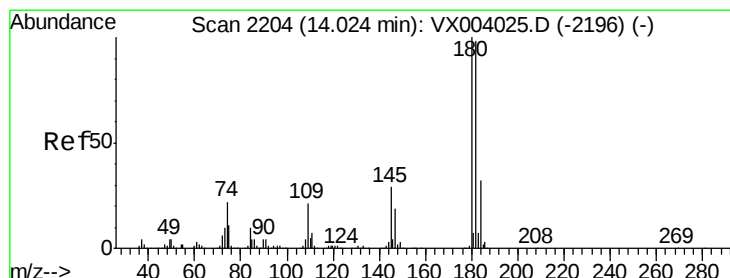
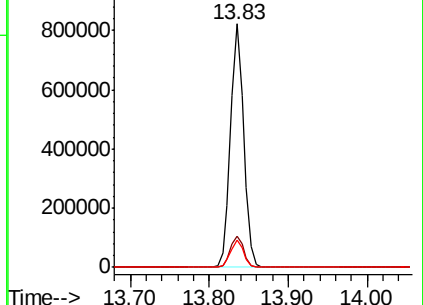
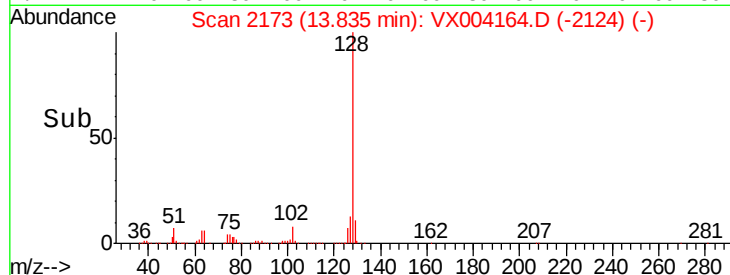
129 11.2 8.8 13.2



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: 53.86 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX004164.D

Acq: 20 Aug 2018 20:14

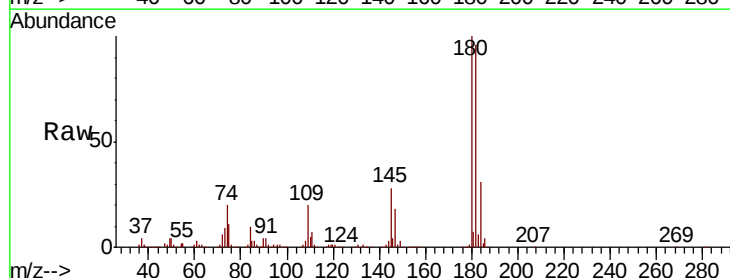
Tgt Ion:180 Resp: 338114

Ion Ratio Lower Upper

180 100

182 95.2 48.1 144.4

145 29.5 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

