

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100418\
 Data File : VX005043.D
 Acq On : 05 Oct 2018 02:43
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 80 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Oct 05 05:19:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 03 04:00:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	209862	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	315898	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	301981	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	185317	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	161345	53.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.64%	
35) Dibromofluoromethane	5.50	113	124321	46.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.88%	
50) Toluene-d8	8.72	98	467082	52.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.96%	
62) 4-Bromofluorobenzene	11.14	95	175475	54.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.46%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	154088	53.850	ug/l	98
3) Chloromethane	1.32	50	175020	50.415	ug/l	96
4) Vinyl Chloride	1.40	62	174477	53.586	ug/l	98
5) Bromomethane	1.64	94	121982	63.178	ug/l	95
6) Chloroethane	1.71	64	100856	57.172	ug/l	93
7) Trichlorofluoromethane	1.92	101	225622	55.973	ug/l	96
8) Diethyl Ether	2.19	74	93327	53.295	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.38	101	122578	53.385	ug/l	99
10) Methyl Iodide	2.50	142	141085	45.918	ug/l	94
11) Tert butyl alcohol	3.09	59	234035	279.200	ug/l	99
12) 1,1-Dichloroethene	2.37	96	119772	52.672	ug/l	96
13) Acrolein	2.29	56	39966	67.012	ug/l	88
14) Allyl chloride	2.73	41	272666	54.956	ug/l	96
15) Acrylonitrile	3.15	53	522175	282.979	ug/l	97
16) Acetone	2.45	43	458138	261.760	ug/l	93
17) Carbon Disulfide	2.56	76	325060	47.573	ug/l	99
18) Methyl Acetate	2.78	43	294742	66.467	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	460733	58.740	ug/l	96
20) Methylene Chloride	2.85	84	143990	56.696	ug/l	87
21) trans-1,2-Dichloroethene	3.16	96	127699	51.301	ug/l	85
22) Diisopropyl ether	3.87	45	467920	56.007	ug/l	97
23) Vinyl Acetate	3.82	43	2009648	262.782	ug/l	99
24) 1,1-Dichloroethane	3.70	63	264307	53.034	ug/l	98
25) 2-Butanone	4.71	43	688821	266.997	ug/l	98
26) 2,2-Dichloropropane	4.58	77	135502	39.045	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	144791	52.068	ug/l	97
28) Bromochloromethane	5.02	49	116168	49.499	ug/l	99
29) Tetrahydrofuran	5.16	42	449910	280.582	ug/l	98
30) Chloroform	5.21	83	244092	51.823	ug/l	99
31) Cyclohexane	5.57	56	203938	53.466	ug/l	92
32) 1,1,1-Trichloroethane	5.49	97	203763	52.972	ug/l	95
36) 1,1-Dichloropropene	5.79	75	174642	47.810	ug/l	94
37) Ethyl Acetate	4.86	43	239726	49.441	ug/l	98
38) Carbon Tetrachloride	5.78	117	178390	46.459	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	192638	51.647	ug/l #	85
40) Benzene	6.14	78	555134	48.544	ug/l	95
41) Methacrylonitrile	5.06	41	138025	51.330	ug/l	98
42) 1,2-Dichloroethane	6.20	62	202863	50.180	ug/l	97
43) Isopropyl Acetate	6.46	43	365379	52.209	ug/l	96
44) Trichloroethene	7.21	130	143359	50.994	ug/l	96
45) 1,2-Dichloropropane	7.52	63	149776	53.407	ug/l	99
46) Dibromomethane	7.66	93	94949	53.873	ug/l	99
47) Bromodichloromethane	7.90	83	181491	55.001	ug/l	100
48) Methyl methacrylate	7.78	41	191418	60.261	ug/l	99
49) 1,4-Dioxane	7.76	88	84789	1074.420	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	1320853	299.750	ug/l	99
52) Toluene	8.79	92	338054	53.798	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	196054	52.577	ug/l	91
54) cis-1,3-Dichloropropene	8.44	75	213020	54.540	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	144163	52.375	ug/l	96
56) Ethyl methacrylate	9.18	69	229792	51.364	ug/l	97
57) 1,3-Dichloropropane	9.37	76	242211	52.872	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.32	63	633157	266.000	ug/l	100
59) 2-Hexanone	9.50	43	1046337	284.947	ug/l	95
60) Dibromochloromethane	9.59	129	148702	54.020	ug/l	99
61) 1,2-Dibromoethane	9.68	107	150238	50.966	ug/l	95
64) Tetrachloroethene	9.34	164	150549	50.653	ug/l	96
65) Chlorobenzene	10.14	112	383075	49.470	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	140109	51.466	ug/l	99
67) Ethyl Benzene	10.26	91	642544	52.265	ug/l	96
68) m/p-Xylenes	10.36	106	501042	104.294	ug/l	95
69) o-Xylene	10.70	106	244629	55.439	ug/l	99
70) Styrene	10.71	104	417483	50.561	ug/l	100
71) Bromoform	10.86	173	124242	53.308	ug/l	96
73) Isopropylbenzene	11.02	105	649415	55.597	ug/l	99
74) N-amyl acetate	10.90	43	326103	50.765	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	239995	50.474	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	272562	65.620	ug/l	86
77) Bromobenzene	11.26	156	178267	52.543	ug/l	99
78) n-propylbenzene	11.36	91	738569	55.108	ug/l	99
79) 2-Chlorotoluene	11.42	91	455049	54.471	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	554482	51.799	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	62891	41.642	ug/l	99
82) 4-Chlorotoluene	11.51	91	533156	54.222	ug/l	99
83) tert-Butylbenzene	11.77	119	542089	56.367	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	576980	52.269	ug/l	98
85) sec-Butylbenzene	11.94	105	641911	54.798	ug/l	100
86) p-Isopropyltoluene	12.07	119	578826	54.540	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	326398	51.521	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	331591	50.703	ug/l	100
89) n-Butylbenzene	12.39	91	507945	52.699	ug/l	100
90) Hexachloroethane	12.60	117	92341	52.258	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	333042	50.304	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	56288	53.915	ug/l	100

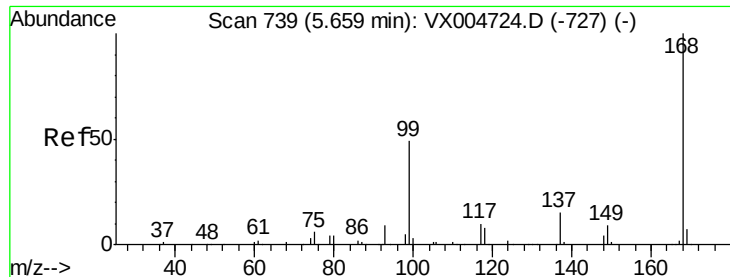
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX100418\
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ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 03 04:00:03 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	245937	52.955	ug/l	100
94) Hexachlorobutadiene	13.79	225	113305	47.048	ug/l	100
95) Naphthalene	13.83	128	807663	52.361	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	252736	52.680	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX005043.D

Acq: 05 Oct 2018 02:43

Instrument :

MSVOA_X

ClientSampleId :

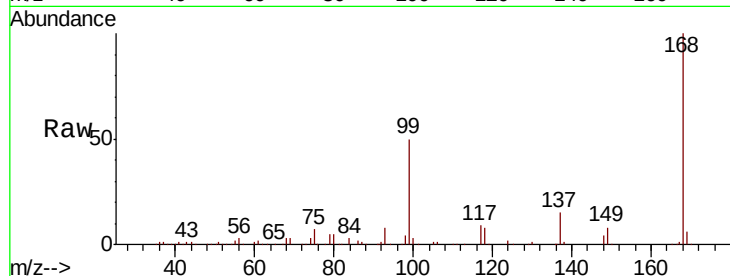
VSTDCCC050

Tot Ion:168 Resp: 209862

Ion Ratio Lower Upper

168 100

99 50.1 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

40000

20000

0

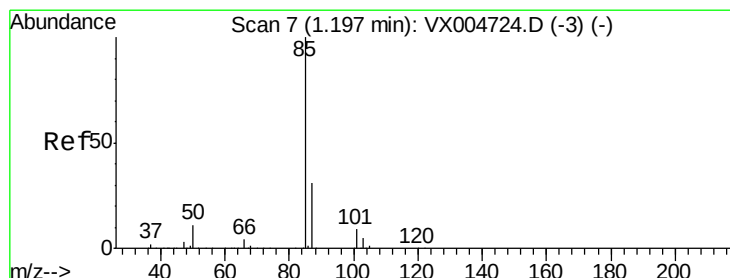
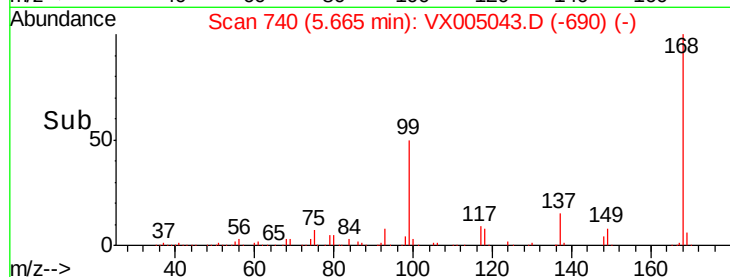
Time-->

5.50

5.60

5.70

5.80



#2

Dichlorodifluoromethane

Concen: 53.850 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX005043.D

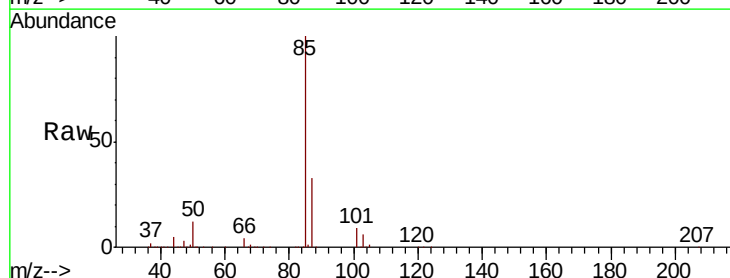
Acq: 05 Oct 2018 02:43

Tgt Ion: 85 Resp: 154088

Ion Ratio Lower Upper

85 100

87 32.6 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

150000

100000

50000

0

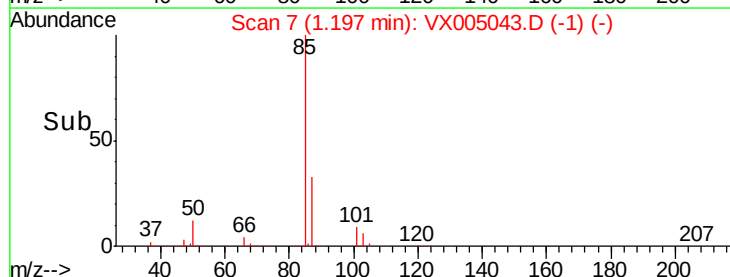
Time-->

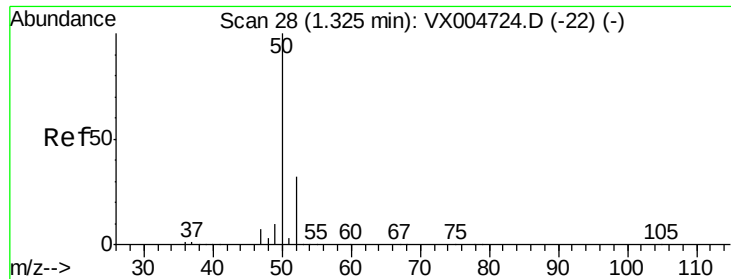
1.15

1.20

1.25

1.30

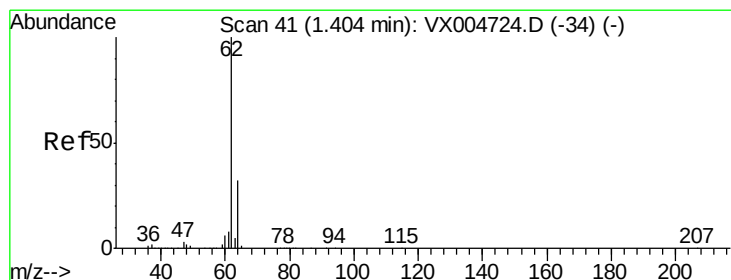
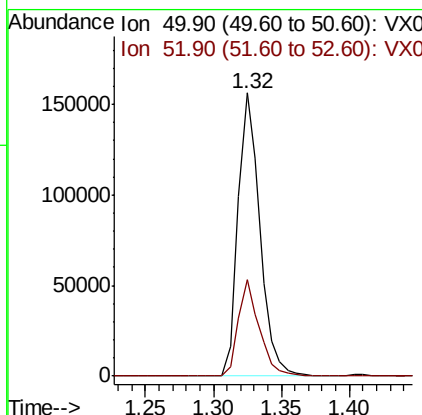
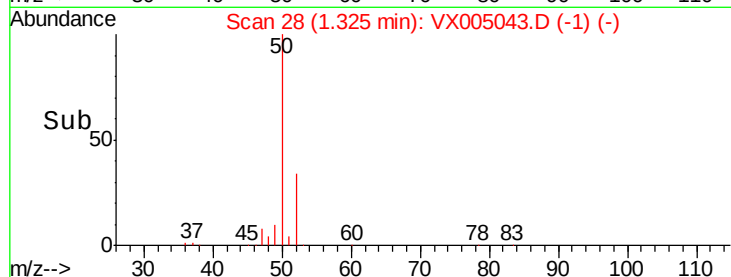
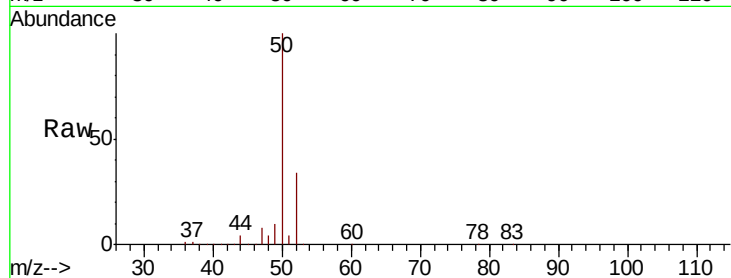




#3
 Chloromethane
 Concen: 50.415 ug/l
 RT: 1.32 min Scan# 28
 Delta R.T. 0.00 min
 Lab File: VX005043.D
 Acq: 05 Oct 2018 02:43

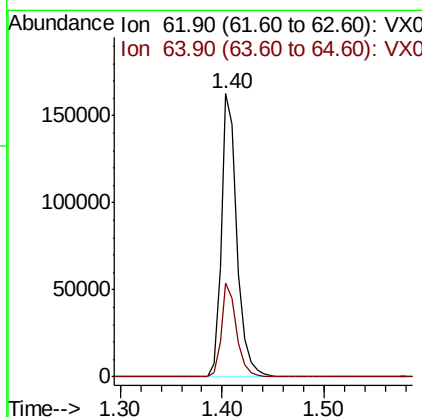
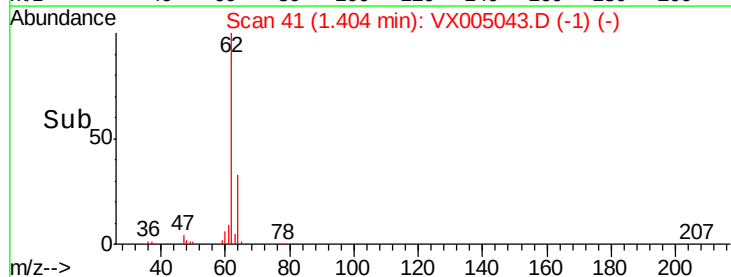
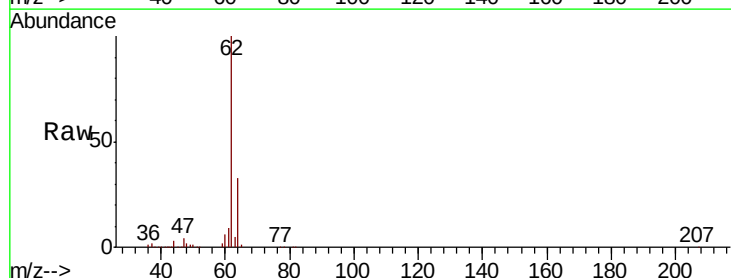
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

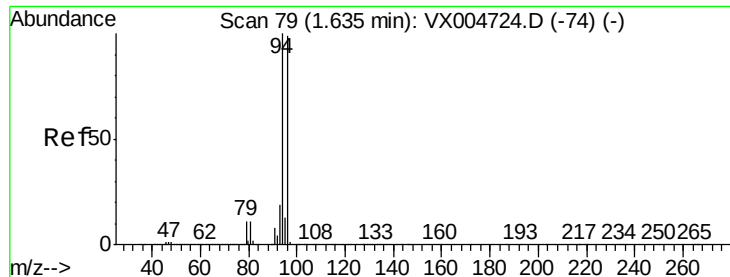
Tot Ion: 50 Resp: 175020
 Ion Ratio Lower Upper
 50 100
 52 34.2 25.8 38.6



#4
 Vinyl Chloride
 Concen: 53.586 ug/l
 RT: 1.40 min Scan# 41
 Delta R.T. 0.00 min
 Lab File: VX005043.D
 Acq: 05 Oct 2018 02:43

Tgt Ion: 62 Resp: 174477
 Ion Ratio Lower Upper
 62 100
 64 33.0 25.5 38.3





#5

Bromomethane

Concen: 63.178 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005043.D

Acq: 05 Oct 2018 02:43

Instrument :

MSVOA_X

ClientSampleId :

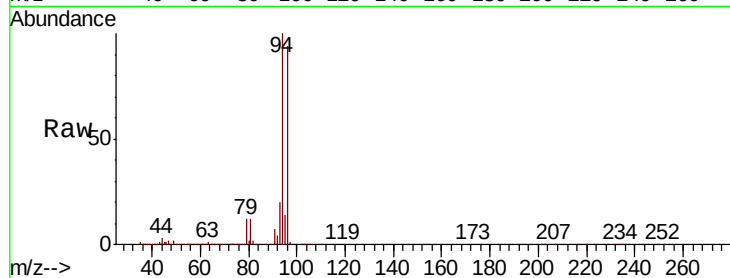
VSTDCCC050

Tot Ion: 94 Resp: 121982

Ion Ratio Lower Upper

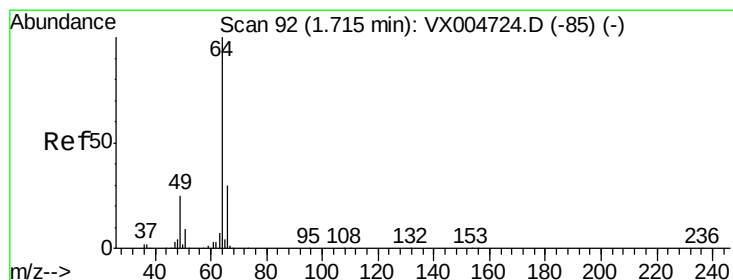
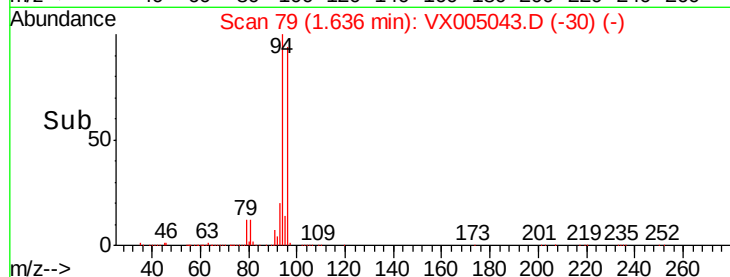
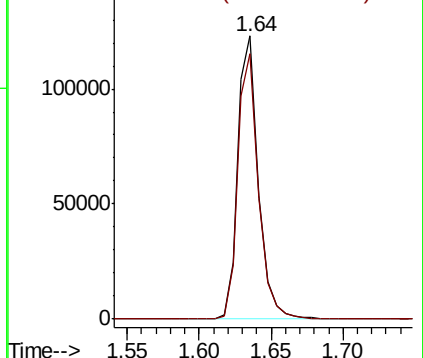
94 100

96 93.9 79.5 119.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 57.172 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX005043.D

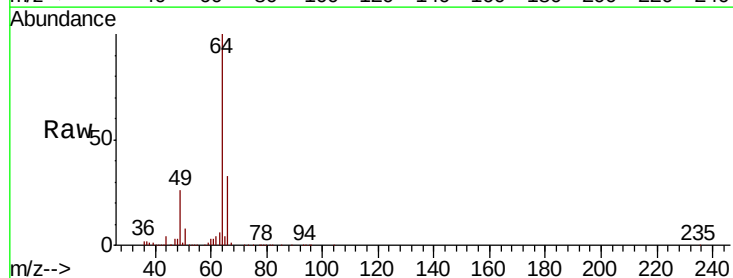
Acq: 05 Oct 2018 02:43

Tgt Ion: 64 Resp: 100856

Ion Ratio Lower Upper

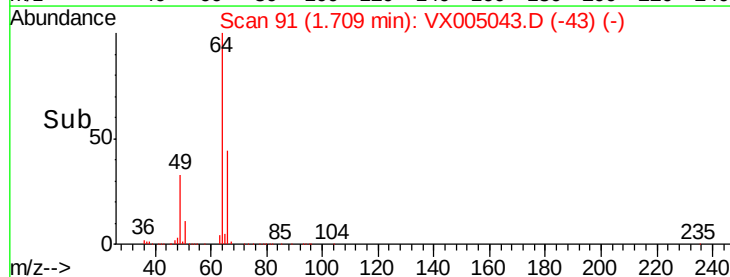
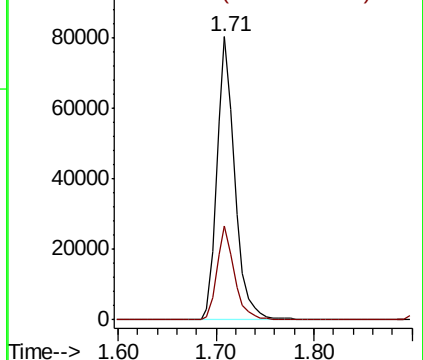
64 100

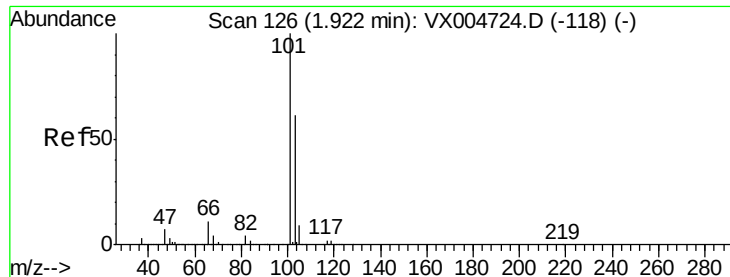
66 33.3 23.8 35.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



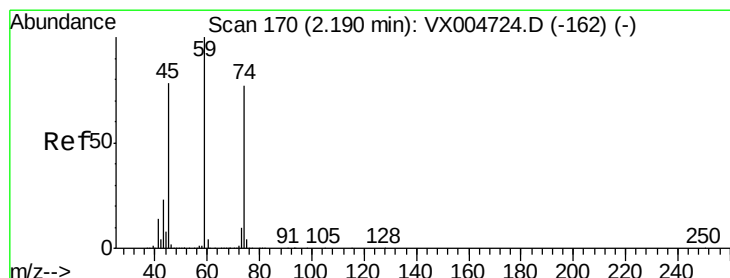
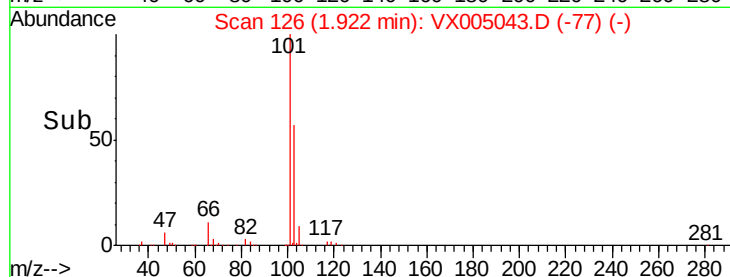
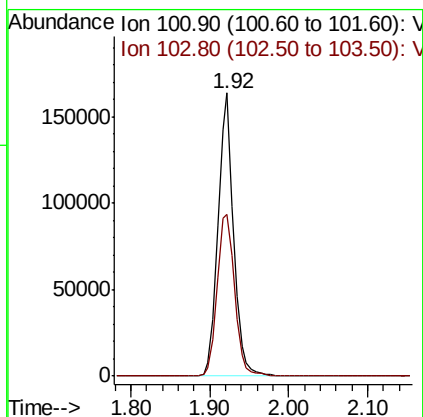
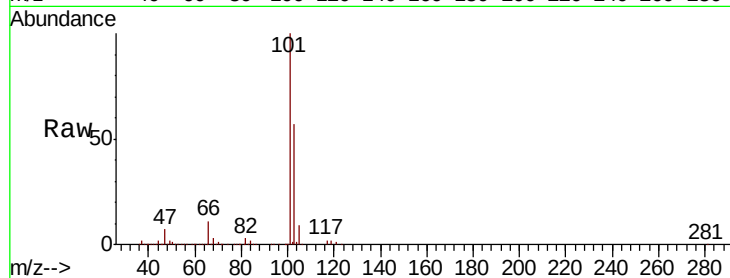


#7

Trichlorofluoromethane
Concen: 55.973 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX005043.D
Acq: 05 Oct 2018 02:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

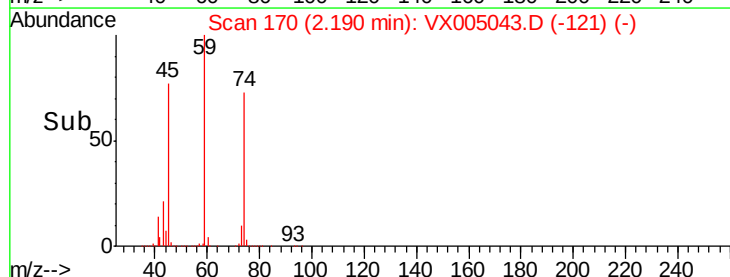
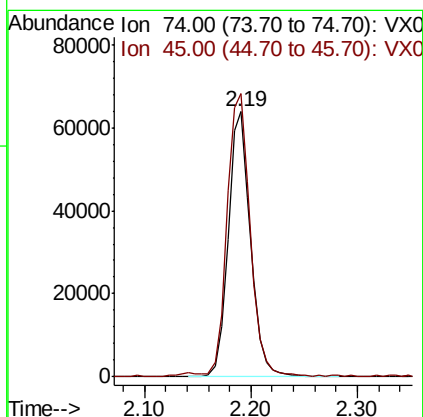
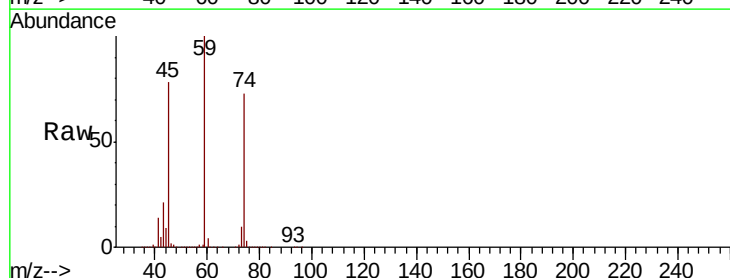
Tot Ion:101 Resp: 225622
Ion Ratio Lower Upper
101 100
103 57.3 48.4 72.6

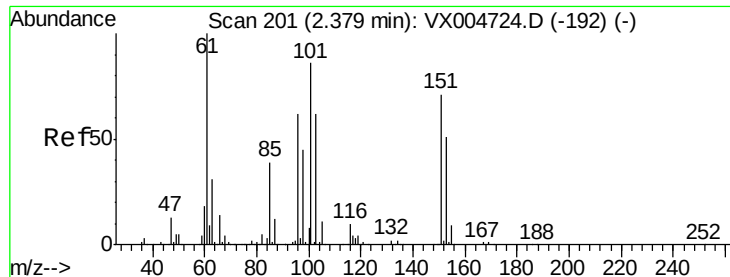


#8

Diethyl Ether
Concen: 53.295 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX005043.D
Acq: 05 Oct 2018 02:43

Tgt Ion: 74 Resp: 93327
Ion Ratio Lower Upper
74 100
45 110.0 52.5 157.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.385 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX005043.D

Acq: 05 Oct 2018 02:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

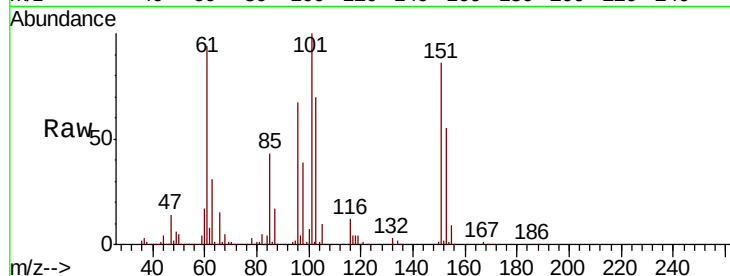
Tot Ion:101 Resp: 122578

Ion Ratio Lower Upper

101 100

85 45.3 35.9 53.9

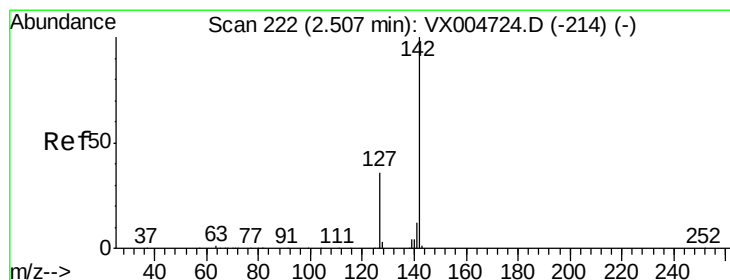
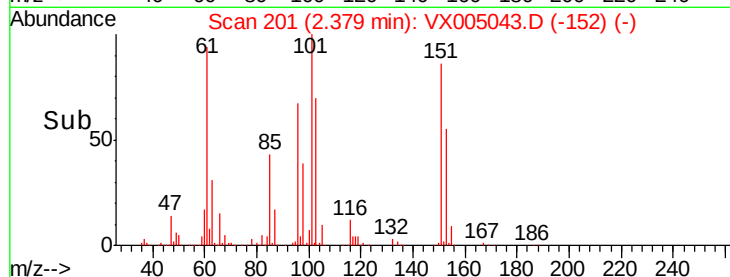
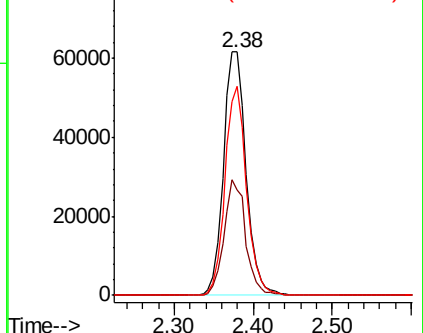
151 82.2 66.6 100.0



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: 45.918 ug/l

RT: 2.50 min Scan# 221

Delta R.T. -0.01 min

Lab File: VX005043.D

Acq: 05 Oct 2018 02:43

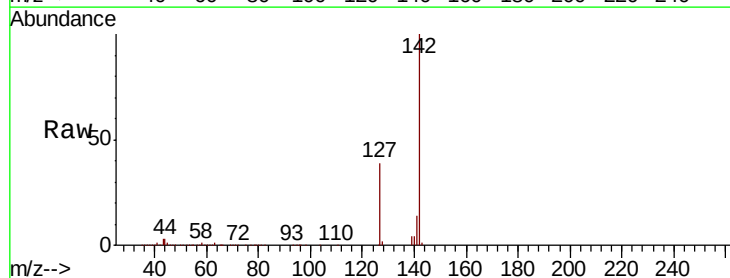
Tgt Ion:142 Resp: 141085

Ion Ratio Lower Upper

142 100

127 41.9 30.1 45.1

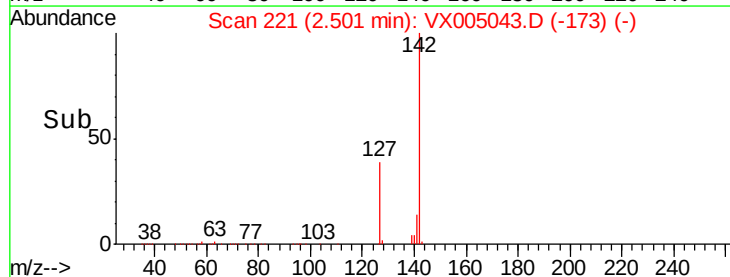
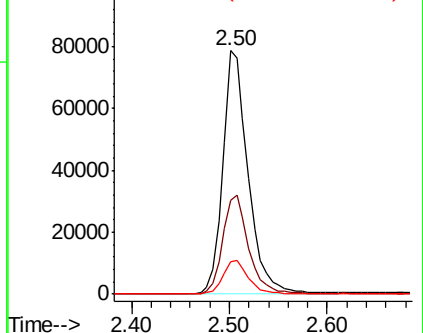
141 13.9 10.1 15.1

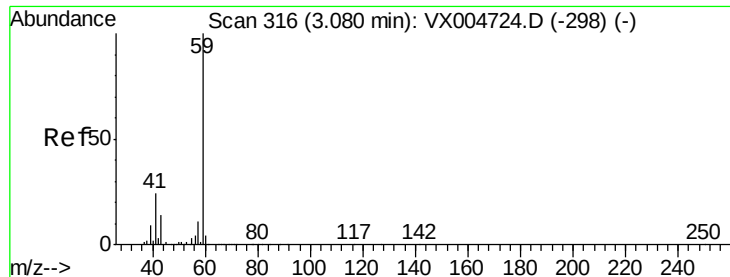


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



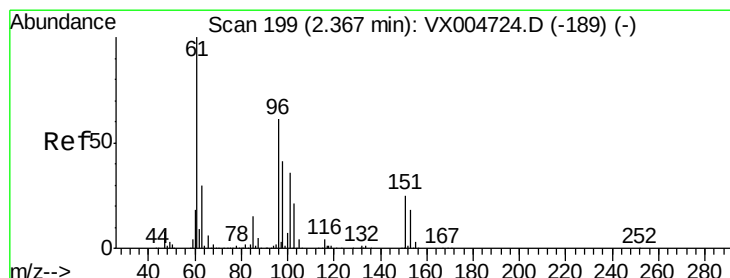
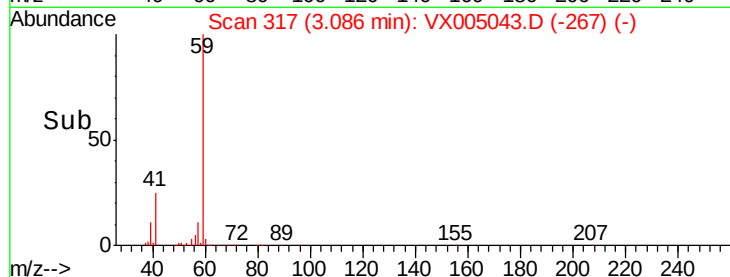
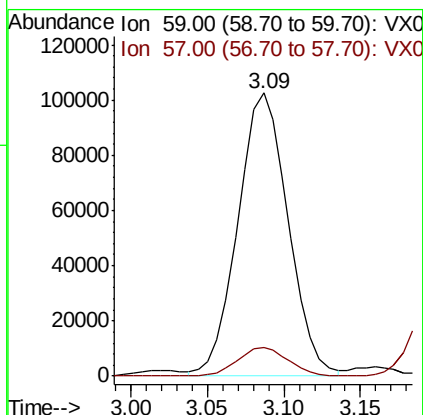
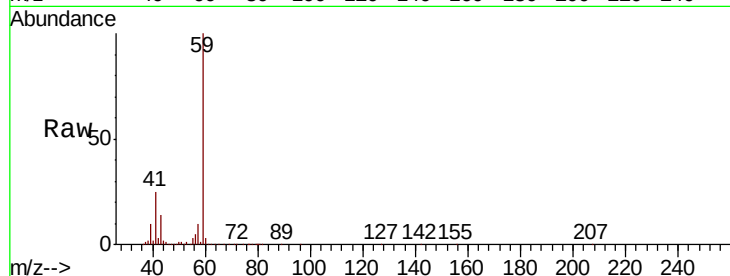


#11

Tert butyl alcohol
 Concen: 279.200 ug/l
 RT: 3.09 min Scan# 317
 Delta R.T. 0.01 min
 Lab File: VX005043.D
 Acq: 05 Oct 2018 02:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

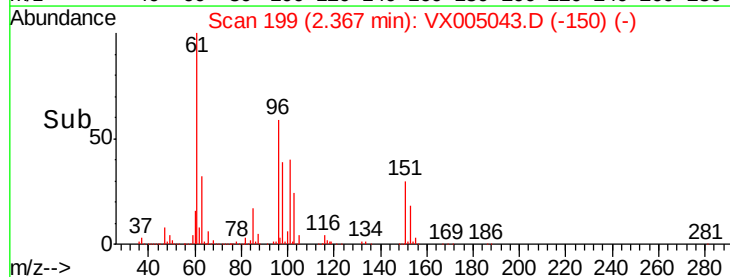
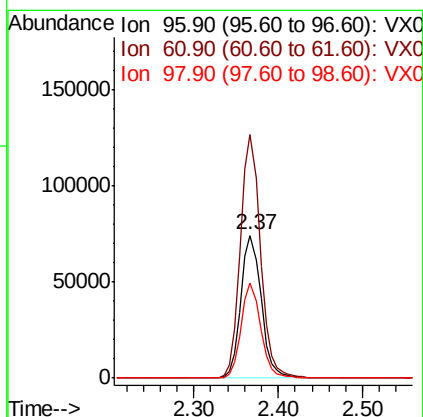
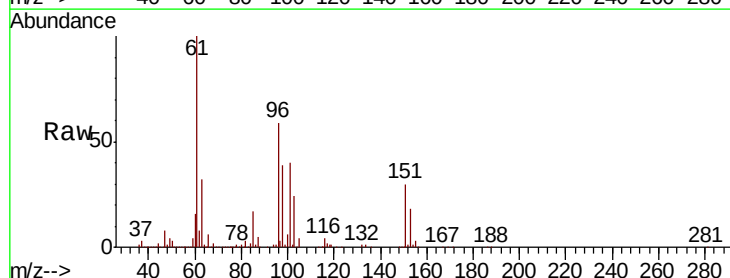
Tot Ion: 59 Resp: 234035
 Ion Ratio Lower Upper
 59 100
 57 10.3 8.6 12.8

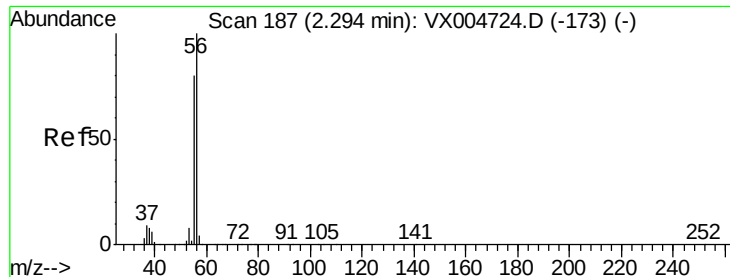


#12

1,1-Dichloroethene
 Concen: 52.672 ug/l
 RT: 2.37 min Scan# 199
 Delta R.T. 0.00 min
 Lab File: VX005043.D
 Acq: 05 Oct 2018 02:43

Tgt Ion: 96 Resp: 119772
 Ion Ratio Lower Upper
 96 100
 61 170.6 130.2 195.4
 98 66.6 53.4 80.0

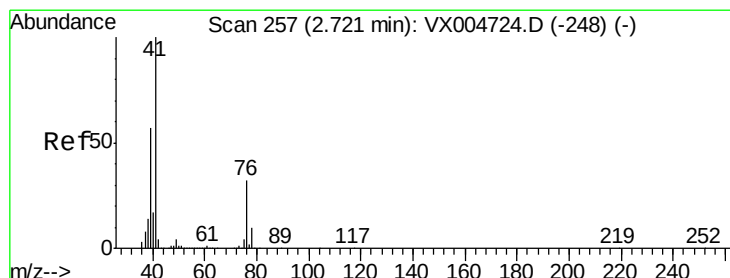
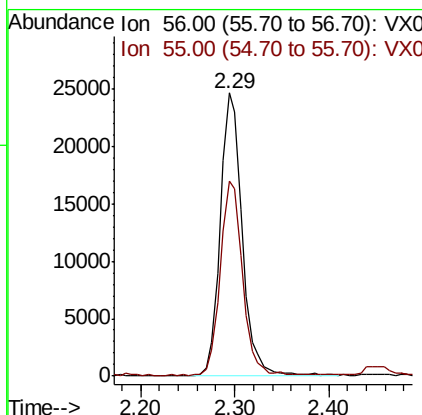
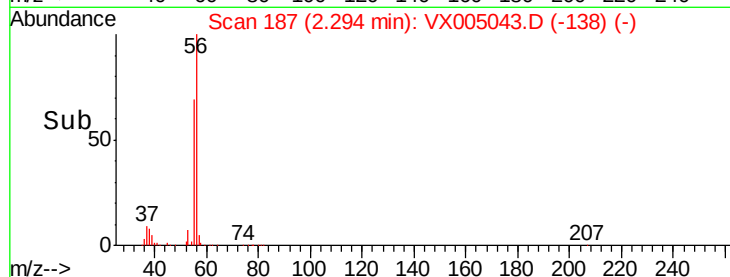
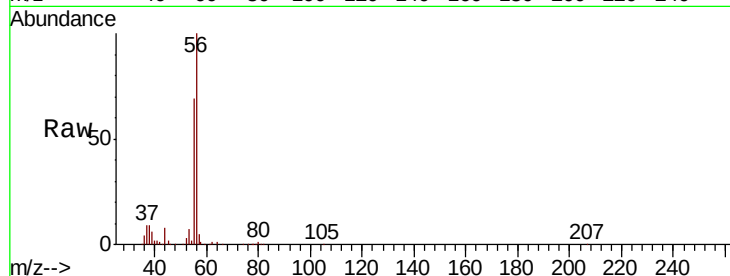




#13
Acrolein
Concen: 67.012 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX005043.D
Acq: 05 Oct 2018 02:43

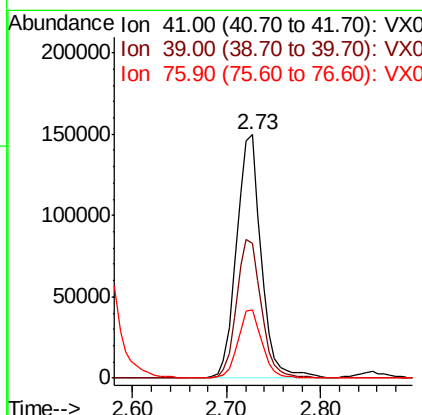
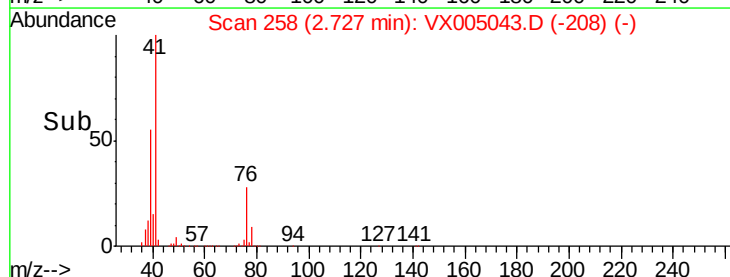
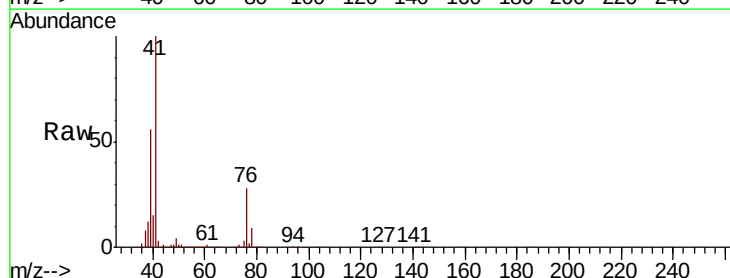
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

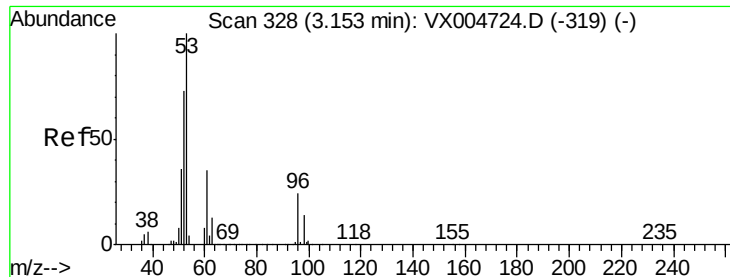
Tot Ion: 56 Resp: 39966
Ion Ratio Lower Upper
56 100
55 68.5 63.4 95.2



#14
Allyl chloride
Concen: 54.956 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.01 min
Lab File: VX005043.D
Acq: 05 Oct 2018 02:43

Tgt Ion: 41 Resp: 272666
Ion Ratio Lower Upper
41 100
39 57.1 44.1 66.1
76 27.3 25.0 37.4





#15

Acrylonitrile

Concen: 282.979 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VX005043.D

Acq: 05 Oct 2018 02:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

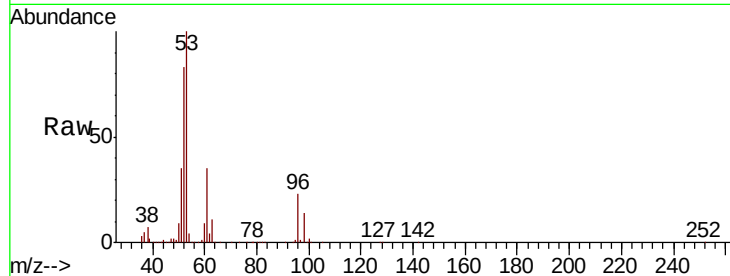
Tot Ion: 53 Resp: 522175

Ion Ratio Lower Upper

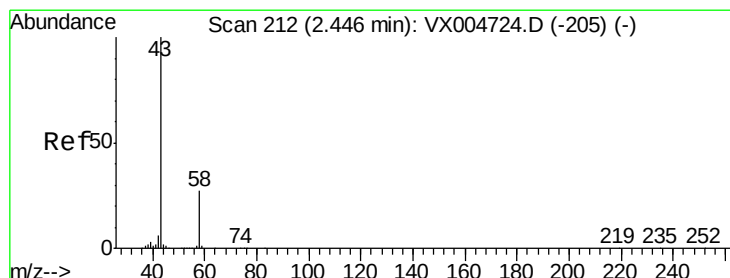
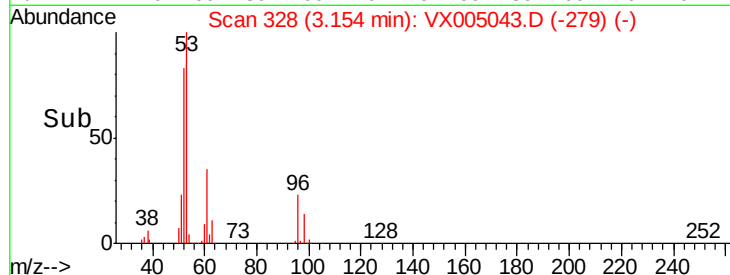
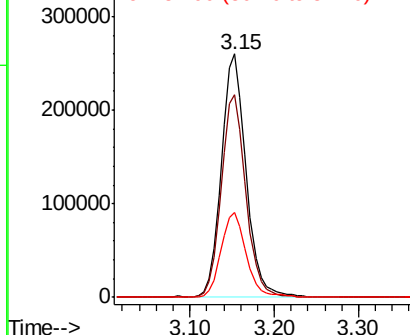
53 100

52 82.9 63.0 94.4

51 35.7 28.6 42.8



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



#16

Acetone

Concen: 261.760 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX005043.D

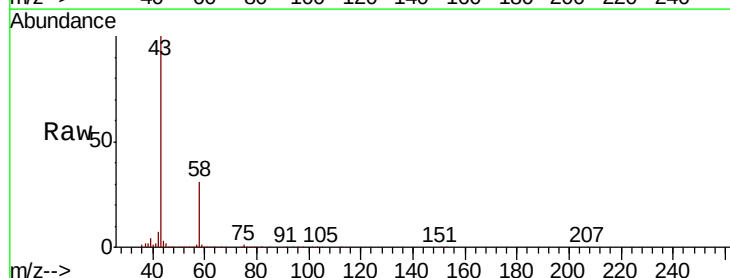
Acq: 05 Oct 2018 02:43

Tgt Ion: 43 Resp: 458138

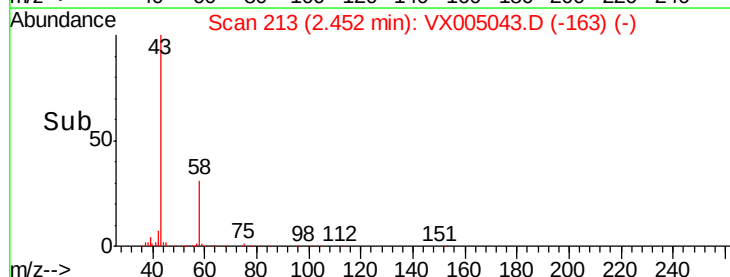
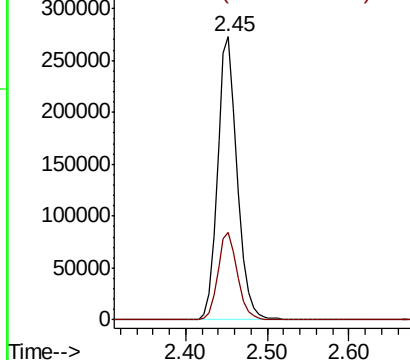
Ion Ratio Lower Upper

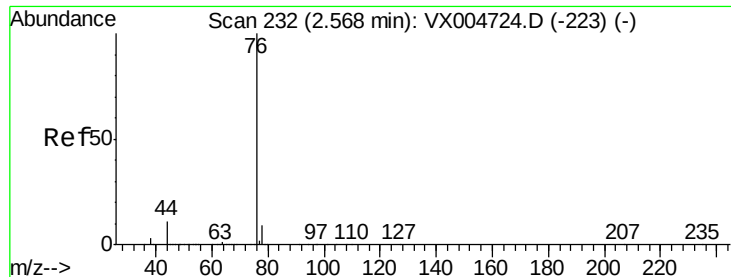
43 100

58 31.1 21.8 32.6



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





#17

Carbon Disulfide

Concen: 47.573 ug/l

RT: 2.56 min Scan# 231

Delta R.T. -0.01 min

Lab File: VX005043.D

Acq: 05 Oct 2018 02:43

Instrument :

MSVOA_X

ClientSampleId :

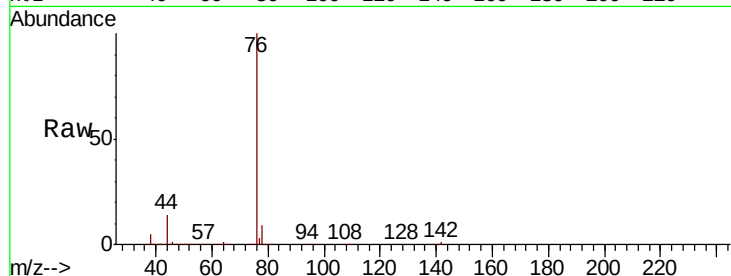
VSTDCCC050

Tot Ion: 76 Resp: 325060

Ion Ratio Lower Upper

76 100

78 9.3 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

200000

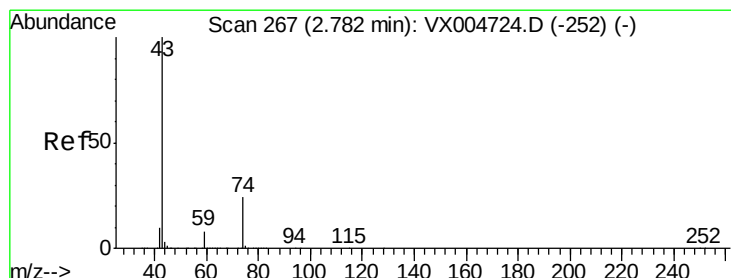
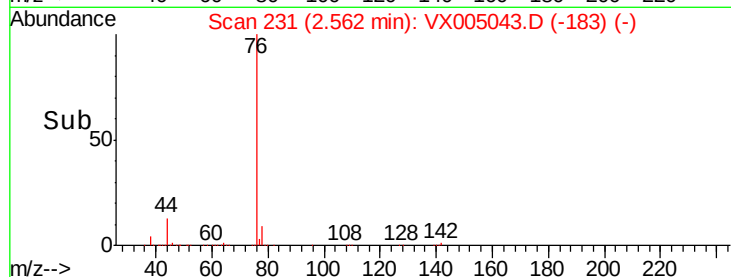
150000

100000

50000

0

Time--> 2.40 2.50 2.60 2.70



#18

Methyl Acetate

Concen: 66.467 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX005043.D

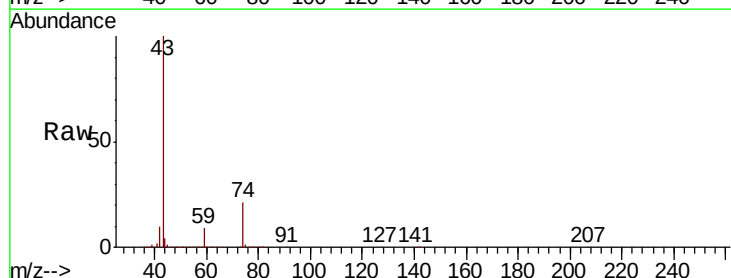
Acq: 05 Oct 2018 02:43

Tgt Ion: 43 Resp: 294742

Ion Ratio Lower Upper

43 100

74 21.6 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

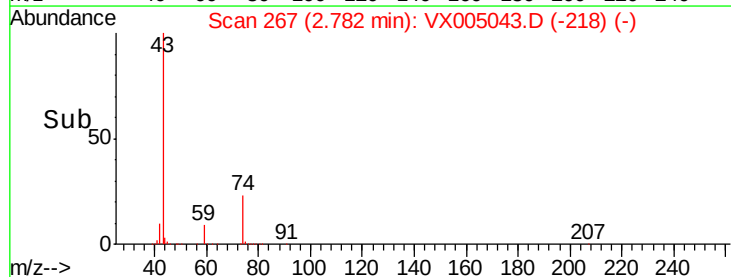
150000

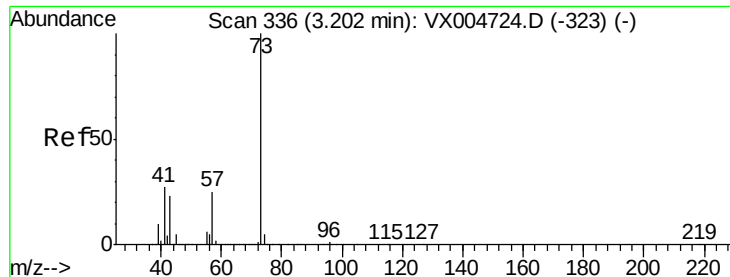
100000

50000

0

Time--> 2.60 2.70 2.80 2.90

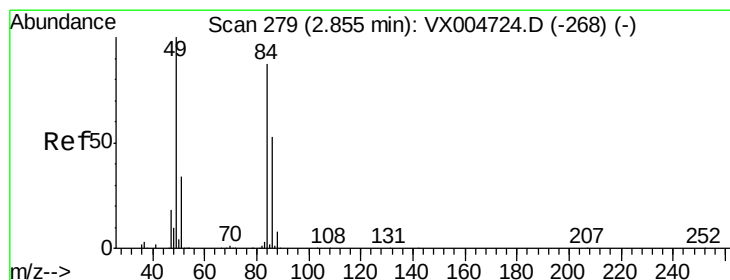
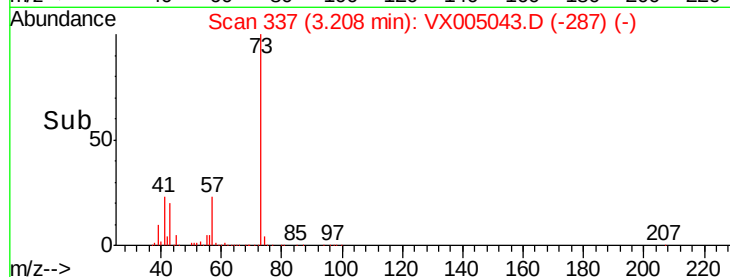
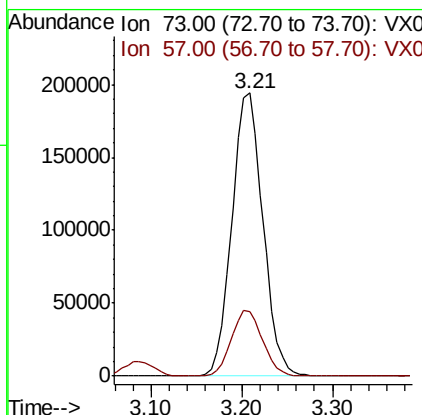
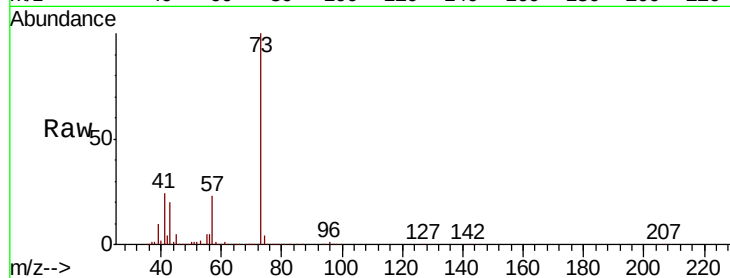




#19
Methyl tert-butyl Ether
Concen: 58.740 ug/l
RT: 3.21 min Scan# 337
Delta R.T. 0.01 min
Lab File: VX005043.D
Acq: 05 Oct 2018 02:43

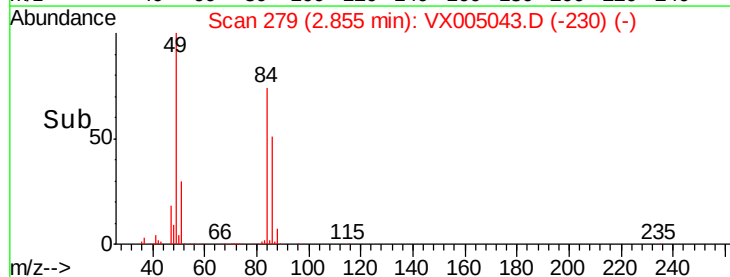
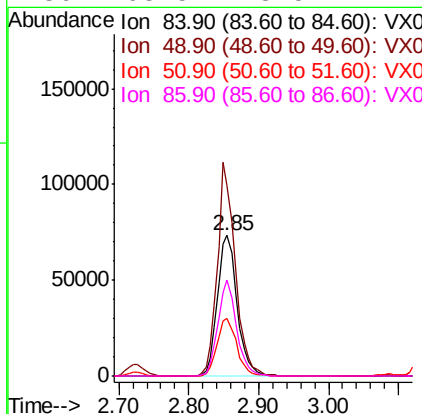
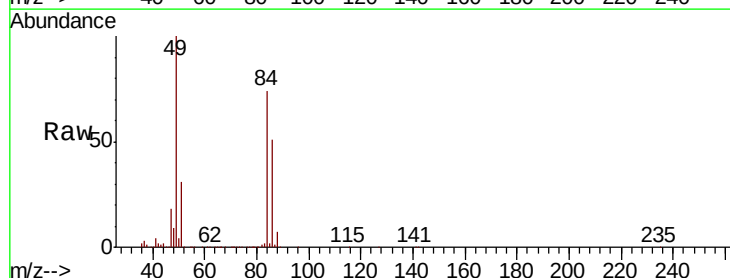
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

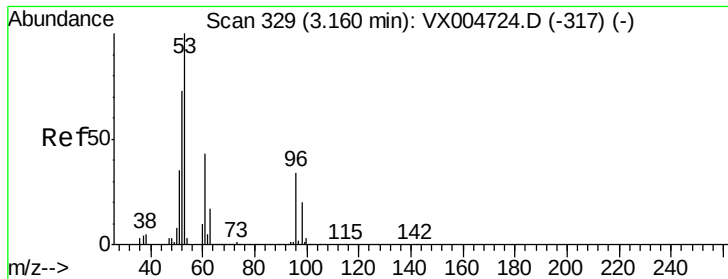
Tot Ion: 73 Resp: 460733
Ion Ratio Lower Upper
73 100
57 22.8 19.9 29.9



#20
Methylene Chloride
Concen: 56.696 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX005043.D
Acq: 05 Oct 2018 02:43

Tgt Ion: 84 Resp: 143990
Ion Ratio Lower Upper
84 100
49 135.2 92.3 138.5
51 41.3 31.8 47.6
86 68.5 48.5 72.7





#21

trans-1,2-Dichloroethene

Concen: 51.301 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX005043.D

Acq: 05 Oct 2018 02:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

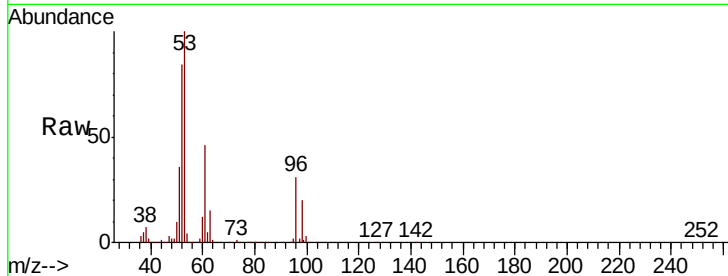
Tot Ion: 96 Resp: 127699

Ion Ratio Lower Upper

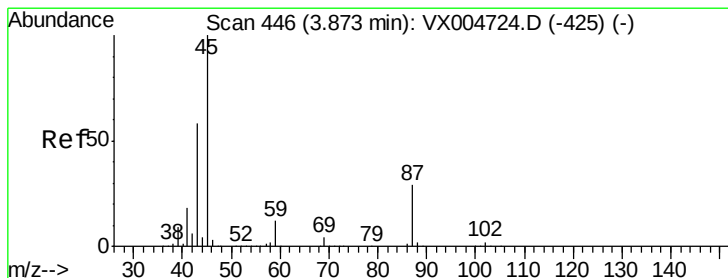
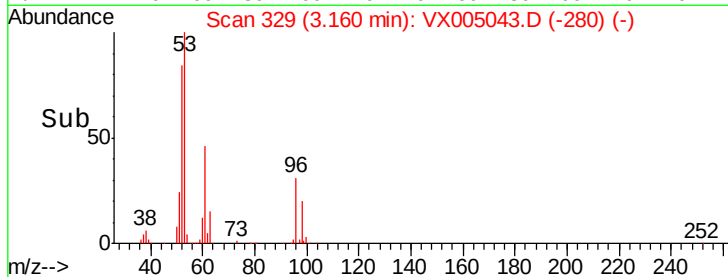
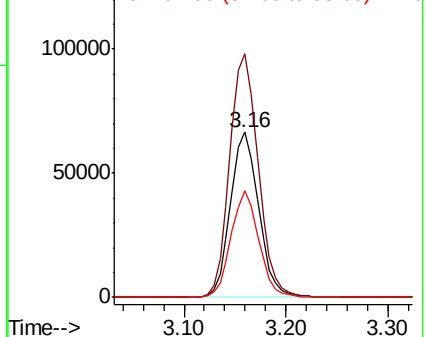
96 100

61 147.2 101.0 151.6

98 64.8 47.2 70.8



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



#22

Diisopropyl ether

Concen: 56.007 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.00 min

Lab File: VX005043.D

Acq: 05 Oct 2018 02:43

Tgt Ion: 45 Resp: 467920

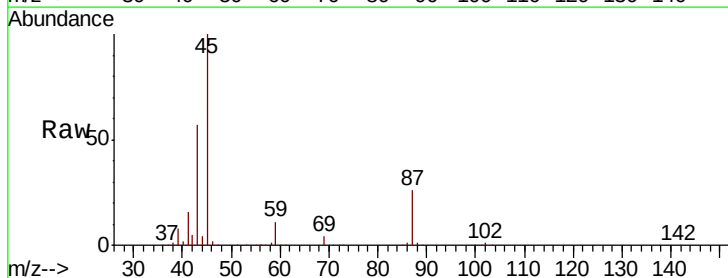
Ion Ratio Lower Upper

45 100

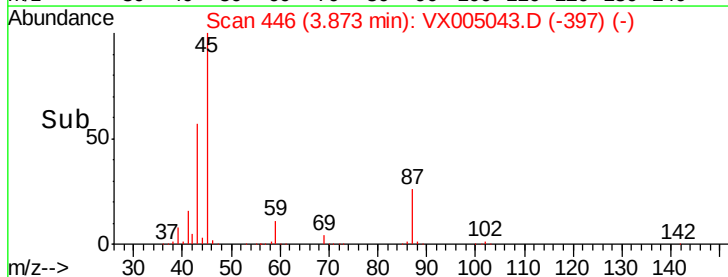
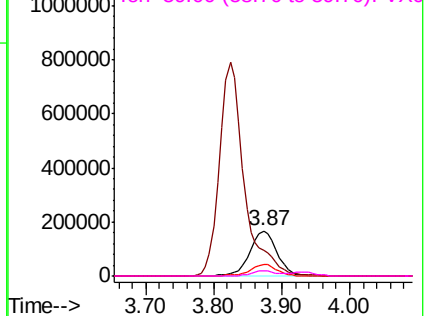
43 56.7 46.7 70.1

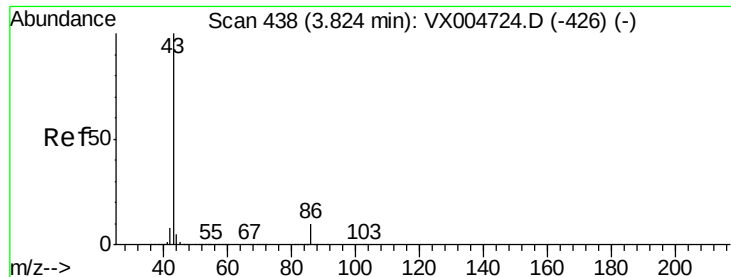
87 25.5 22.9 34.3

59 11.1 9.3 13.9



Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 262.782 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX005043.D

Acq: 05 Oct 2018 02:43

Instrument :

MSVOA_X

ClientSampleId :

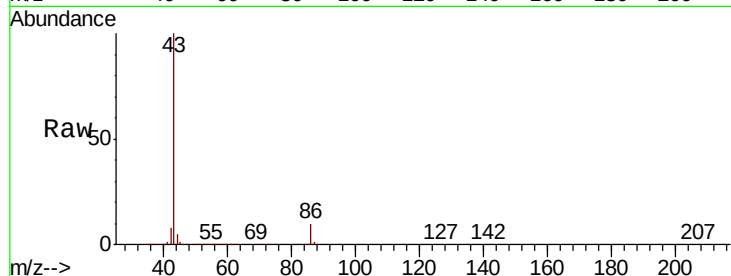
VSTDCCC050

Tot Ion: 43 Resp: 2009648

Ion Ratio Lower Upper

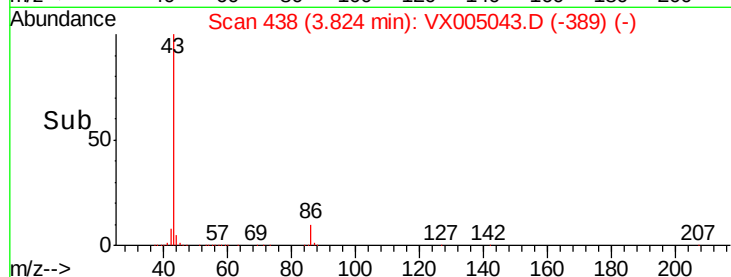
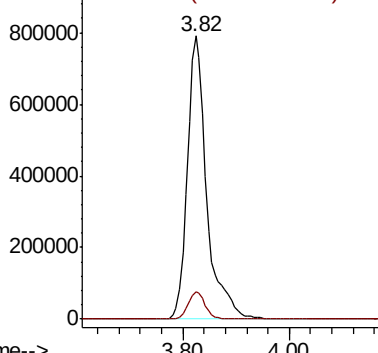
43 100

86 9.7 8.1 12.1

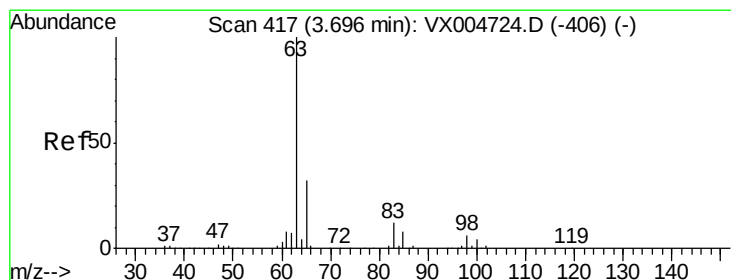


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



Time-->



#24

1,1-Dichloroethane

Concen: 53.034 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX005043.D

Acq: 05 Oct 2018 02:43

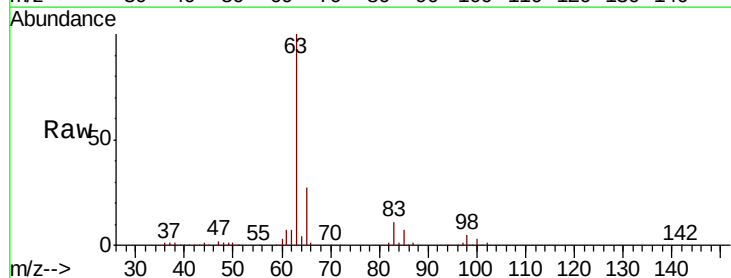
Tgt Ion: 63 Resp: 264307

Ion Ratio Lower Upper

63 100

98 5.5 3.0 9.2

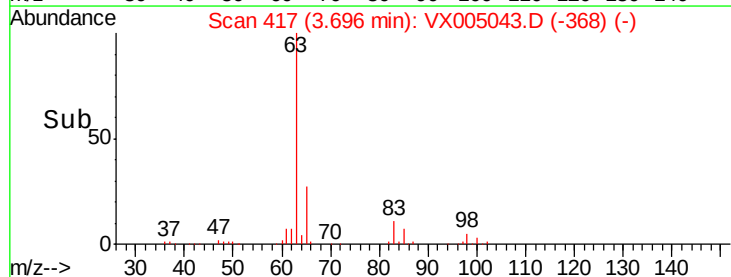
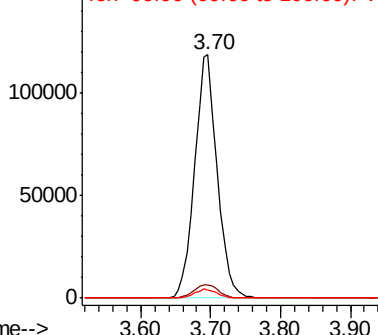
100 3.5 2.0 5.8



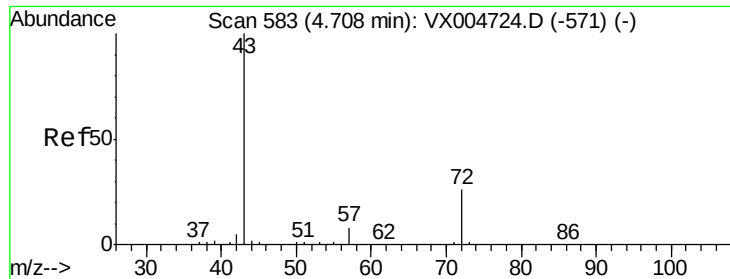
Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



Time-->



#25

2-Butanone

Concen: 266.997 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.00 min

Lab File: VX005043.D

Acq: 05 Oct 2018 02:43

Instrument :

MSVOA_X

ClientSampleId :

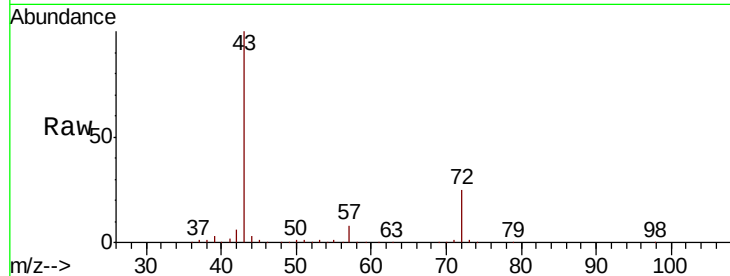
VSTDCCC050

Tot Ion: 43 Resp: 688821

Ion Ratio Lower Upper

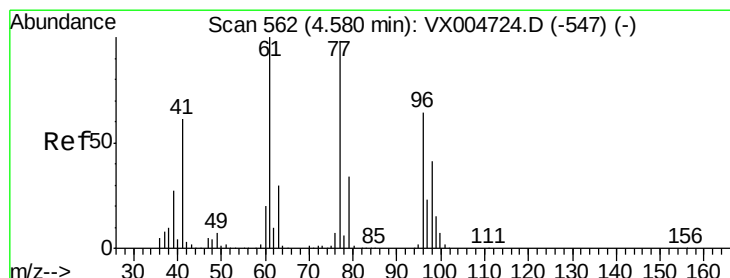
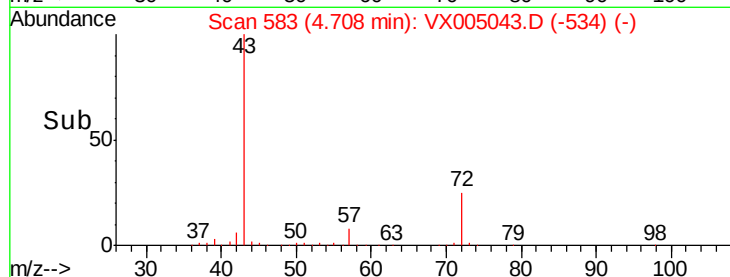
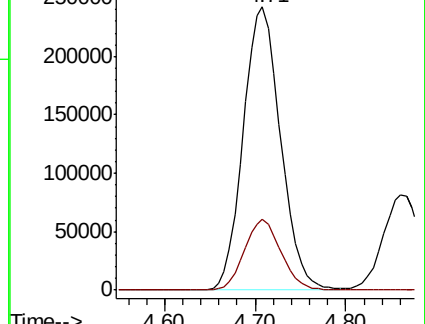
43 100

72 25.0 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 39.045 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX005043.D

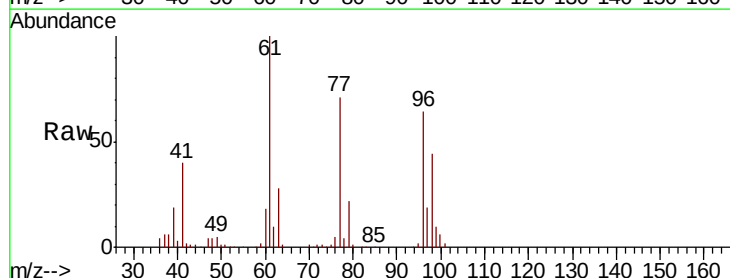
Acq: 05 Oct 2018 02:43

Tgt Ion: 77 Resp: 135502

Ion Ratio Lower Upper

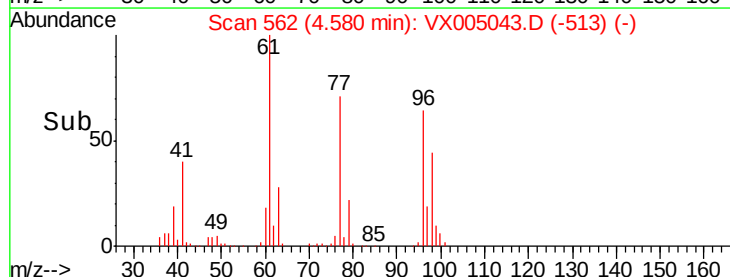
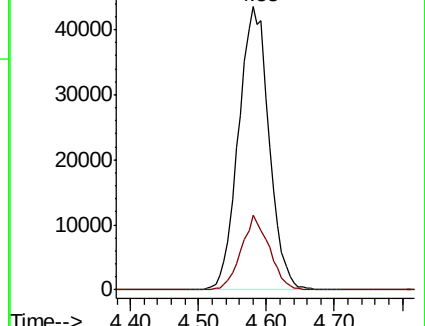
77 100

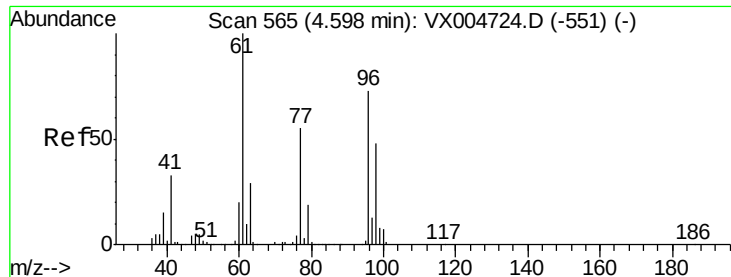
97 24.2 12.6 37.8



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



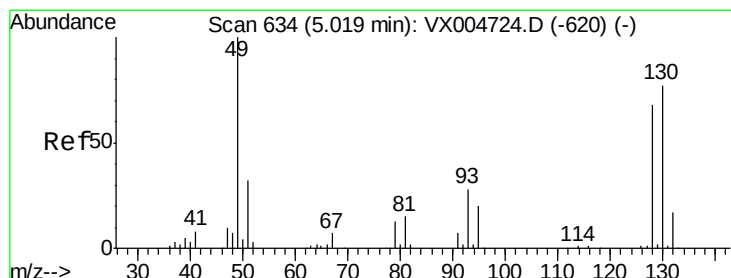
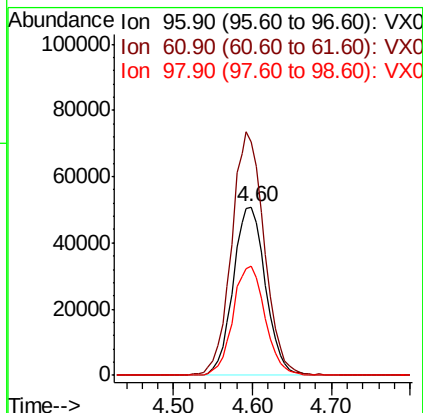
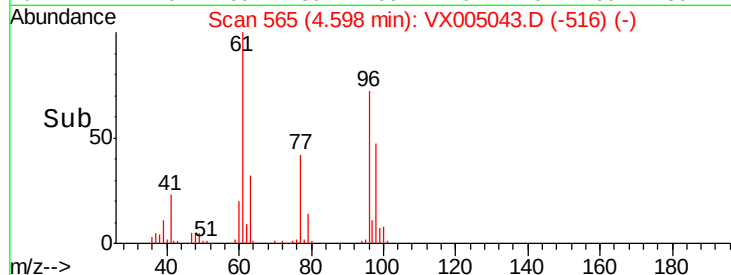
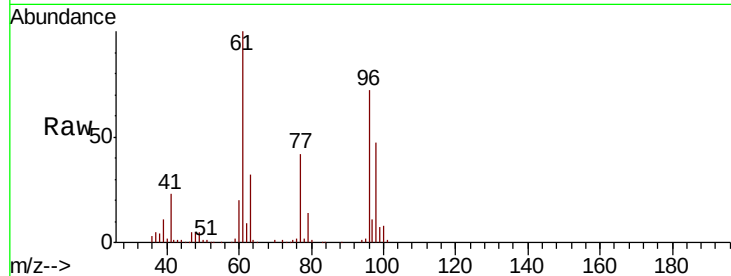


#27

cis-1,2-Dichloroethene
 Concen: 52.068 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX005043.D
 Acq: 05 Oct 2018 02:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

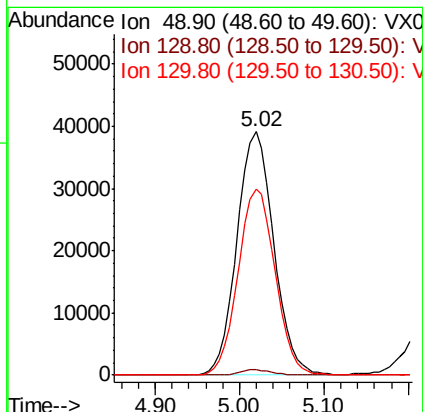
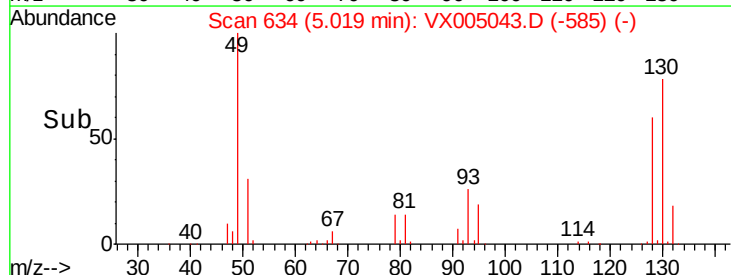
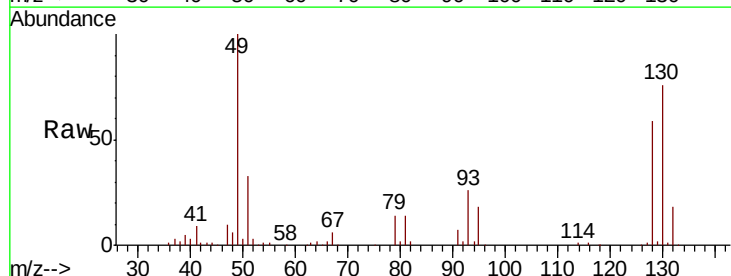
Tot Ion: 96 Resp: 144791
 Ion Ratio Lower Upper
 96 100
 61 145.3 0.0 285.8
 98 64.5 0.0 136.2

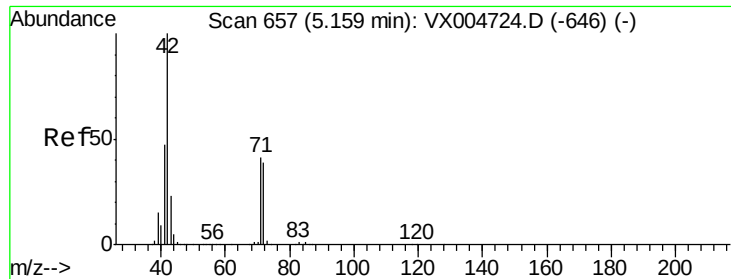


#28

Bromochloromethane
 Concen: 49.499 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. 0.00 min
 Lab File: VX005043.D
 Acq: 05 Oct 2018 02:43

Tgt Ion: 49 Resp: 116168
 Ion Ratio Lower Upper
 49 100
 129 2.0 0.0 4.2
 130 76.8 62.0 93.0

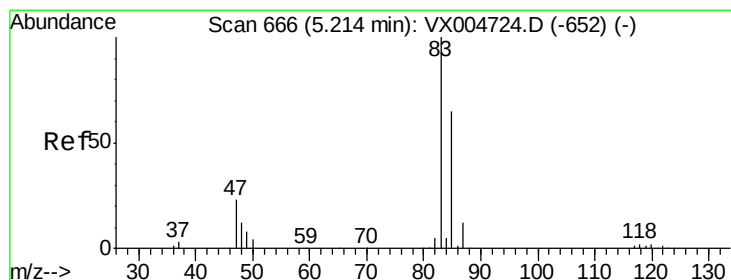
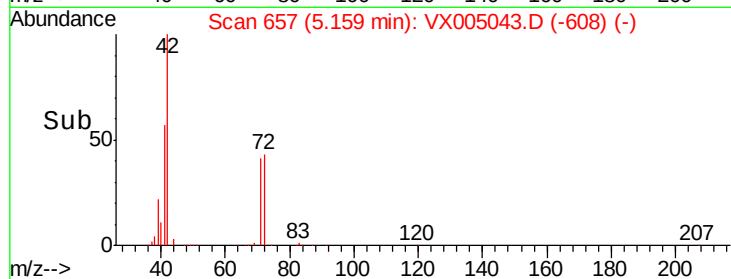
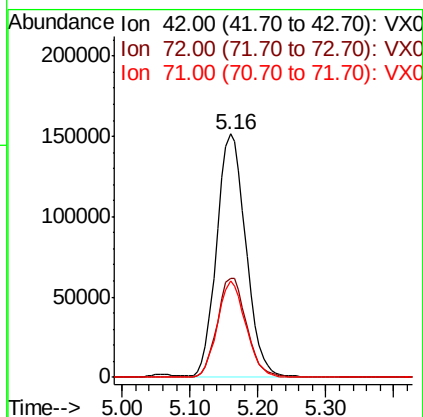
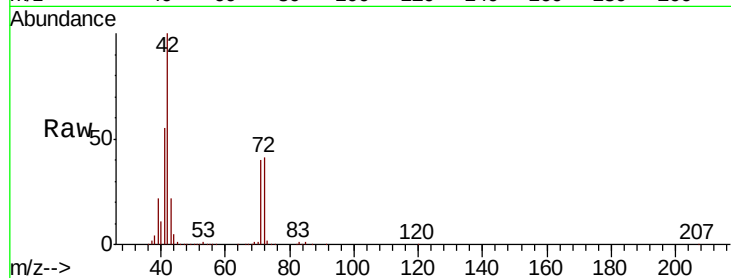




#29
Tetrahydrofuran
Concen: 280.582 ug/l
RT: 5.16 min Scan# 657
Delta R.T. 0.00 min
Lab File: VX005043.D
Acq: 05 Oct 2018 02:43

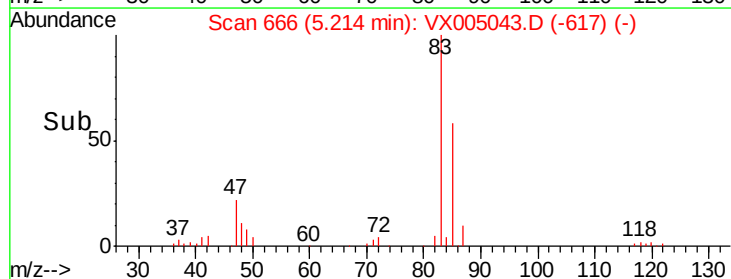
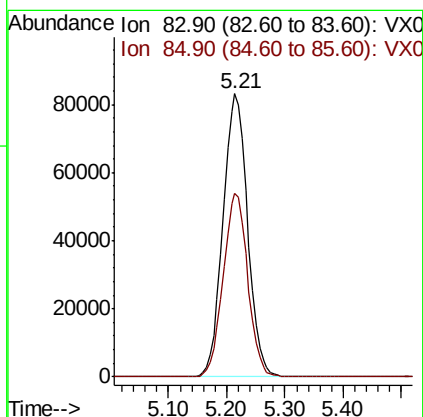
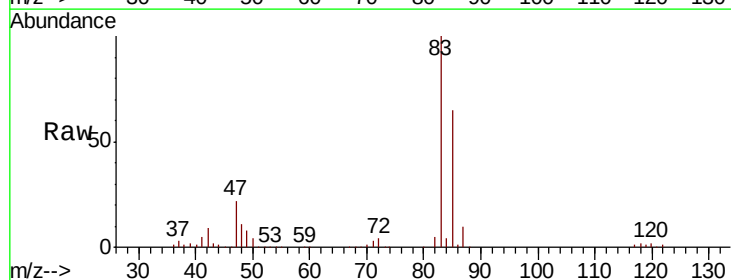
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

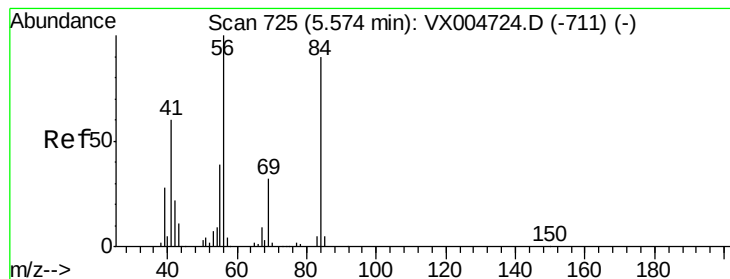
Tot Ion: 42 Resp: 449910
Ion Ratio Lower Upper
42 100
72 41.2 33.7 50.5
71 38.7 32.2 48.4



#30
Chloroform
Concen: 51.823 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX005043.D
Acq: 05 Oct 2018 02:43

Tgt Ion: 83 Resp: 244092
Ion Ratio Lower Upper
83 100
85 64.7 52.4 78.6





#31

Cyclohexane

Concen: 53.466 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX005043.D

Acq: 05 Oct 2018 02:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

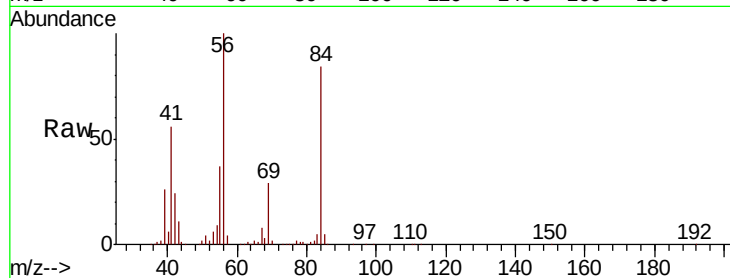
Tot Ion: 56 Resp: 203938

Ion Ratio Lower Upper

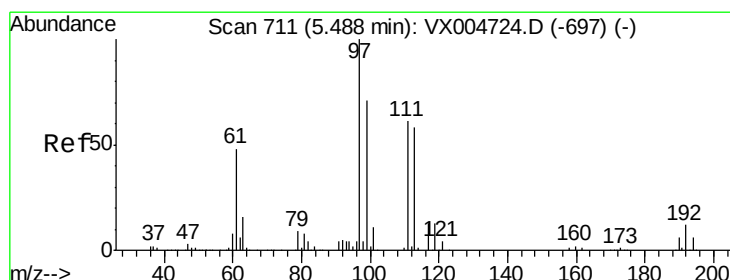
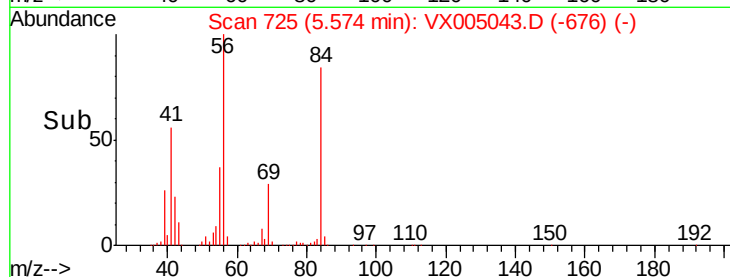
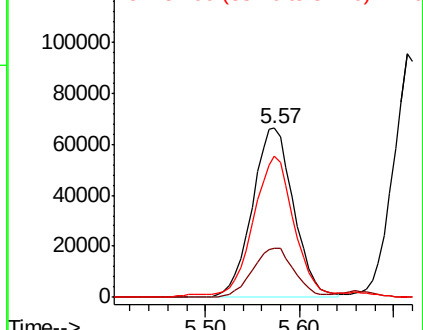
56 100

69 28.9 25.9 38.9

84 82.3 71.9 107.9



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



#32

1,1,1-Trichloroethane

Concen: 52.972 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.01 min

Lab File: VX005043.D

Acq: 05 Oct 2018 02:43

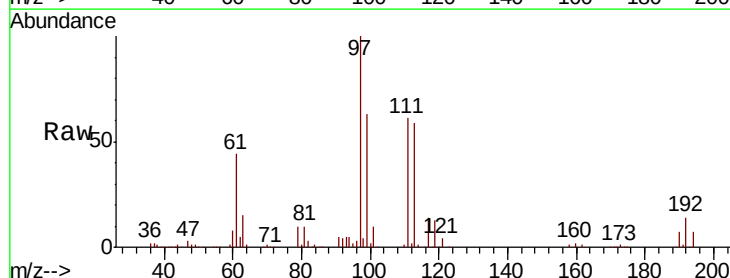
Tgt Ion: 97 Resp: 203763

Ion Ratio Lower Upper

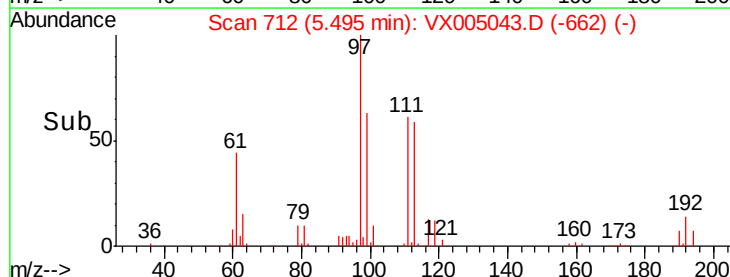
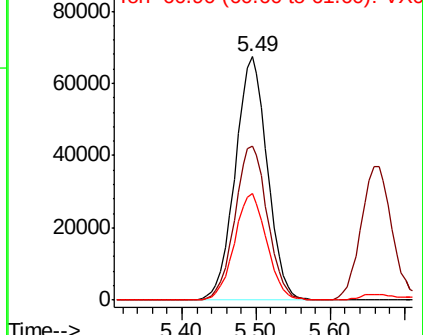
97 100

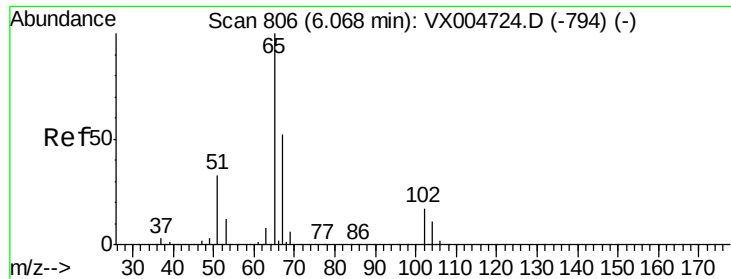
99 64.4 54.6 82.0

61 44.0 37.5 56.3



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: 53.820 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

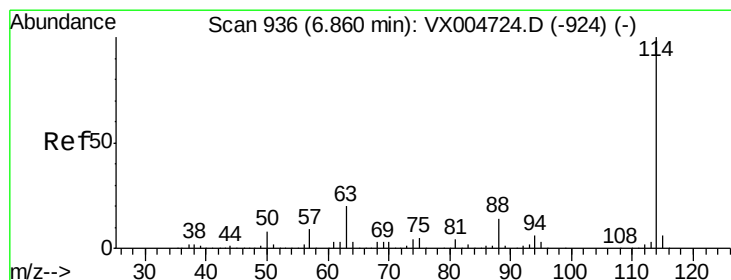
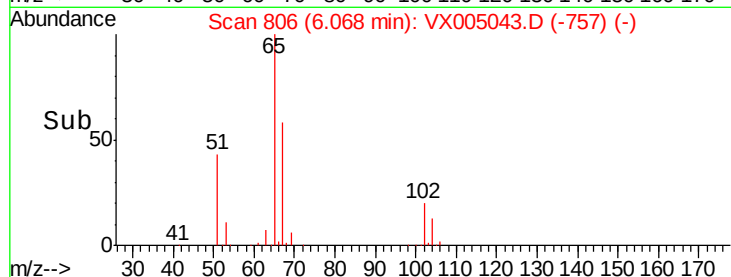
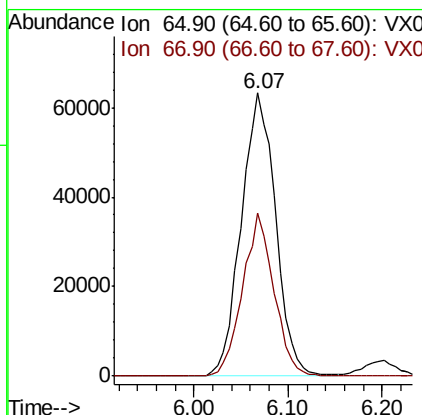
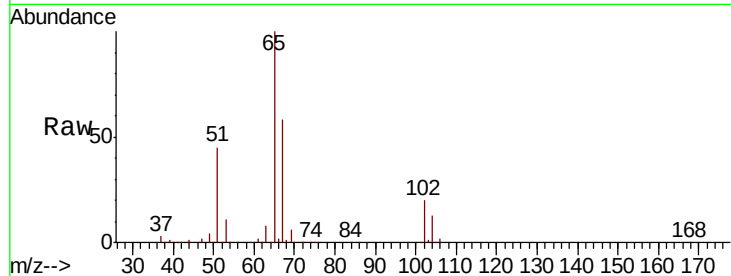
Lab File: VX005043.D

Acq: 05 Oct 2018 02:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 65 Resp: 161345

Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

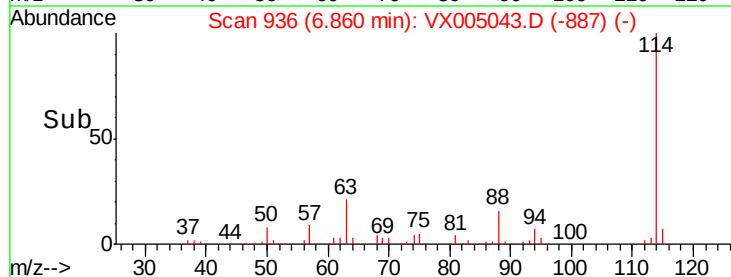
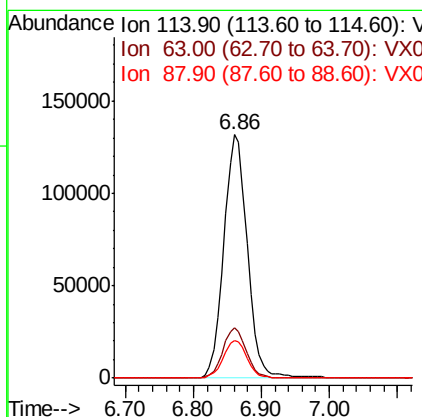
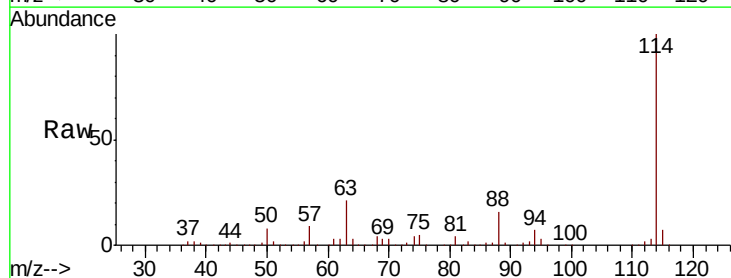
Delta R.T. 0.00 min

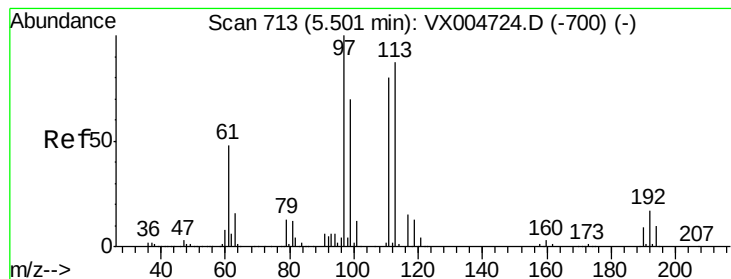
Lab File: VX005043.D

Acq: 05 Oct 2018 02:43

Tgt Ion: 114 Resp: 315898

Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	39.8
88	15.6	0.0	27.0





#35

Dibromofluoromethane

Concen: 46.436 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX005043.D

Acq: 05 Oct 2018 02:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

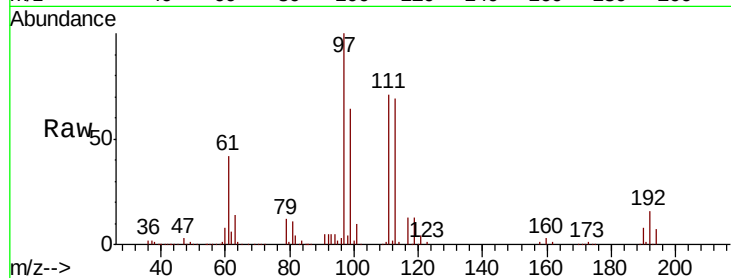
Tot Ion:113 Resp: 124321

Ion Ratio Lower Upper

113 100

111 102.3 77.0 115.4

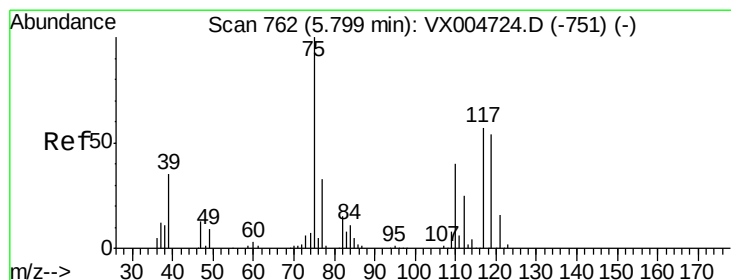
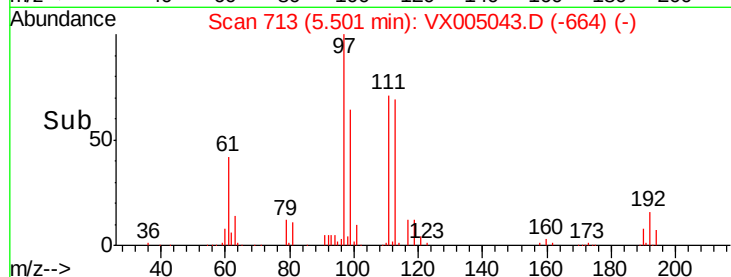
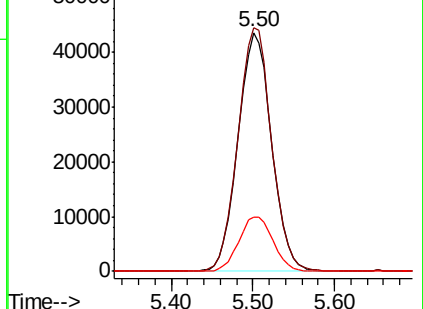
192 23.3 17.0 25.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 47.810 ug/l

RT: 5.79 min Scan# 761

Delta R.T. -0.01 min

Lab File: VX005043.D

Acq: 05 Oct 2018 02:43

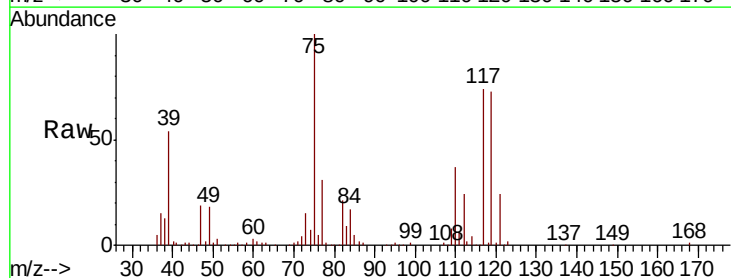
Tgt Ion: 75 Resp: 174642

Ion Ratio Lower Upper

75 100

110 36.5 20.0 59.9

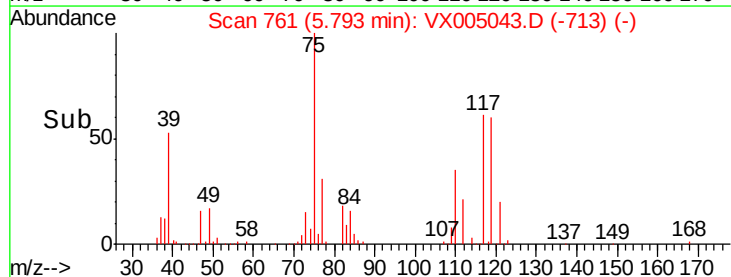
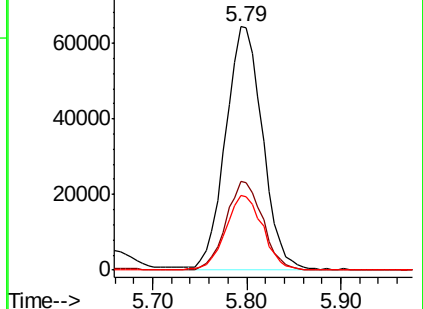
77 30.6 27.1 40.7

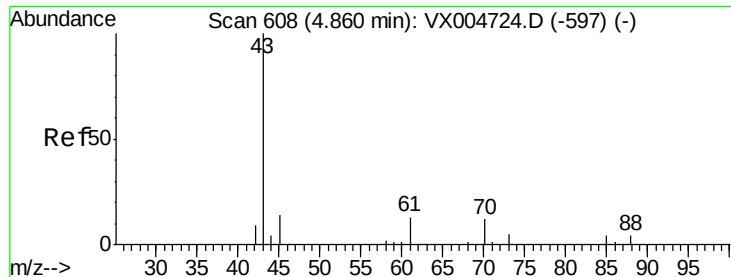


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

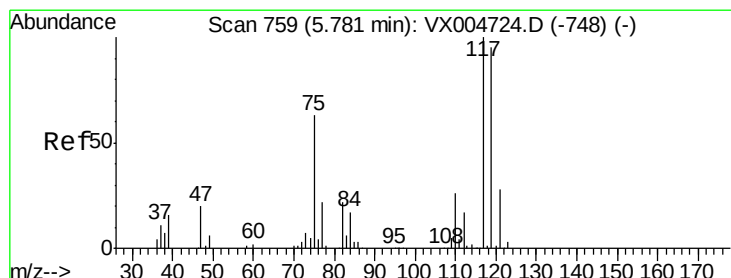
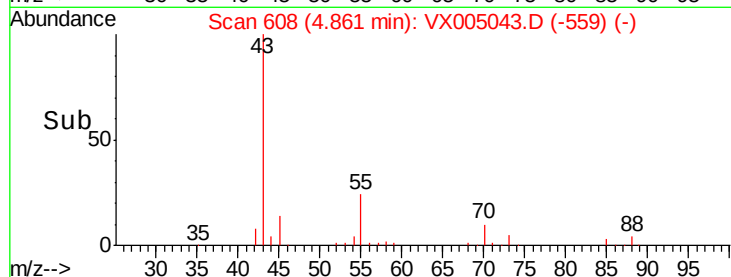
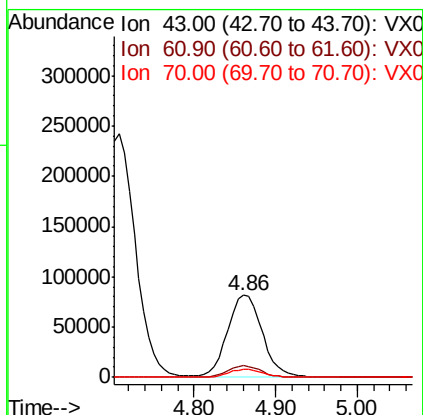
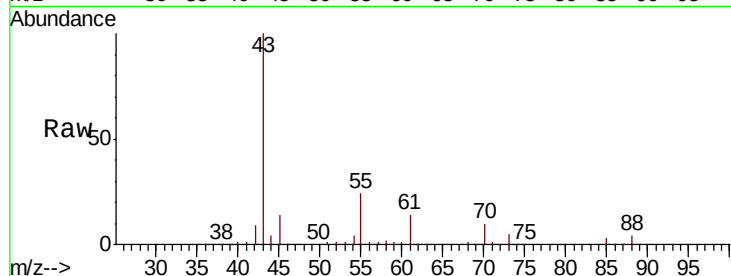




#37
Ethyl Acetate
Concen: 49.441 ug/l
RT: 4.86 min Scan# 608
Delta R.T. 0.00 min
Lab File: VX005043.D
Acq: 05 Oct 2018 02:43

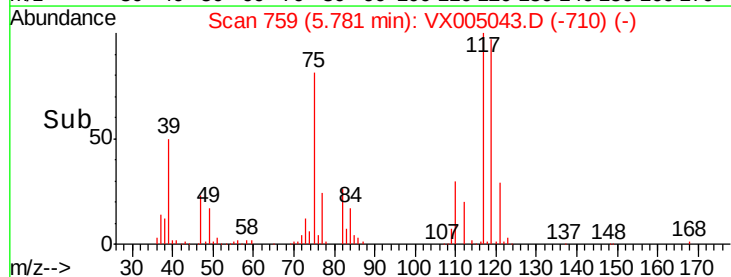
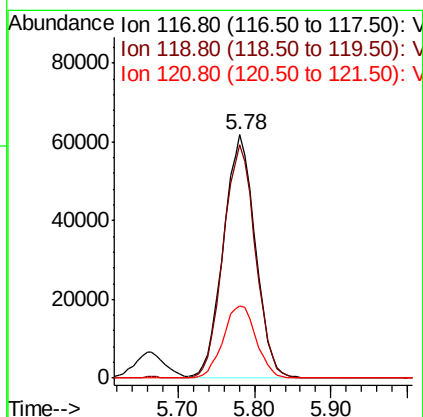
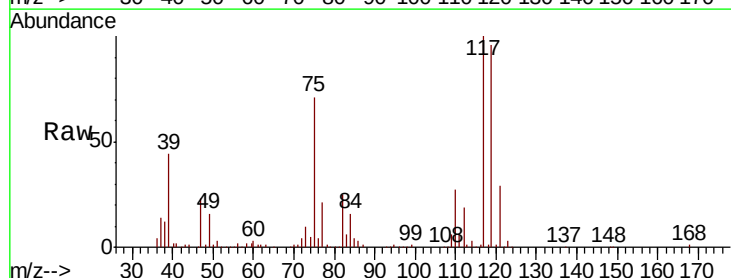
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

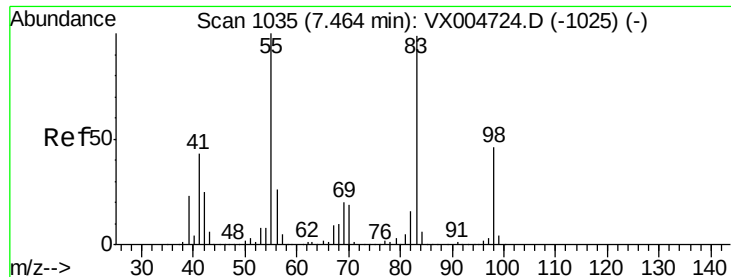
Tot Ion: 43 Resp: 239726
Ion Ratio Lower Upper
43 100
61 14.0 10.4 15.6
70 10.1 8.7 13.1



#38
Carbon Tetrachloride
Concen: 46.459 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX005043.D
Acq: 05 Oct 2018 02:43

Tgt Ion: 117 Resp: 178390
Ion Ratio Lower Upper
117 100
119 96.0 75.2 112.8
121 29.5 22.5 33.7

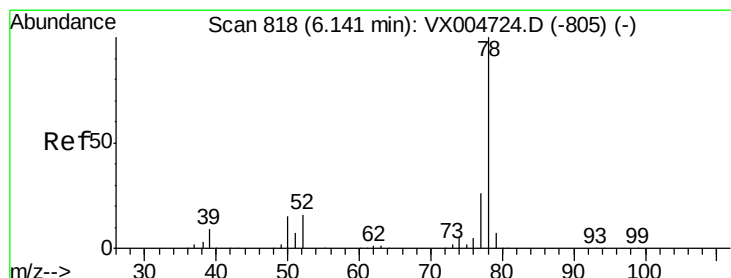
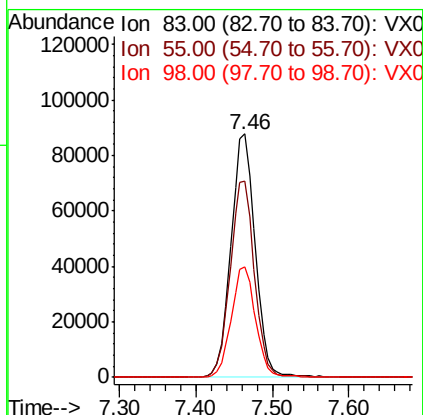
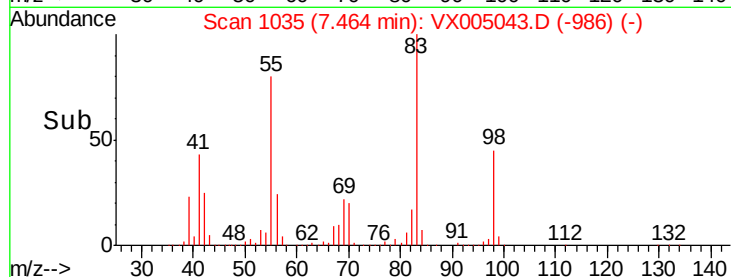
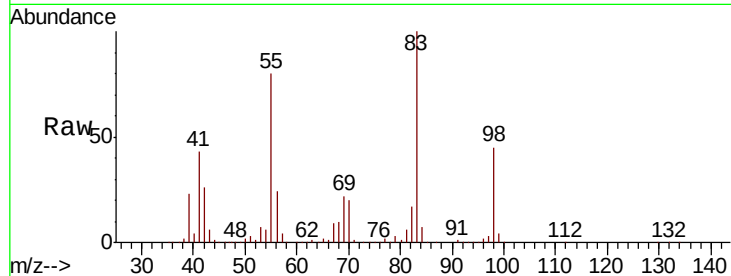




#39
Methylvlcyclohexane
Concen: 51.647 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX005043.D
Acq: 05 Oct 2018 02:43

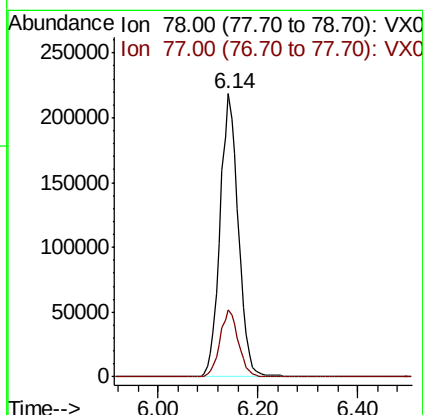
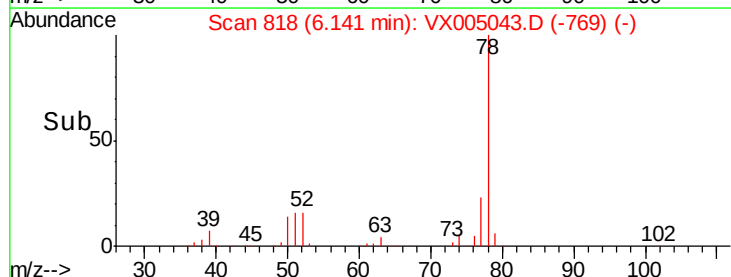
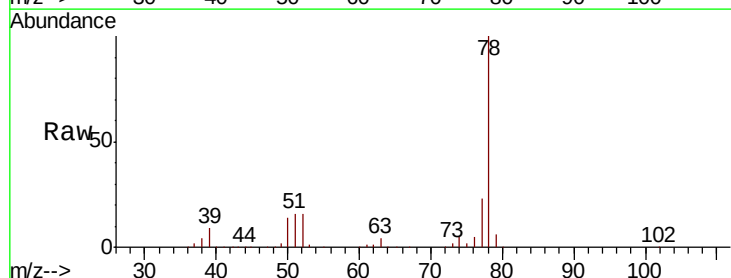
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

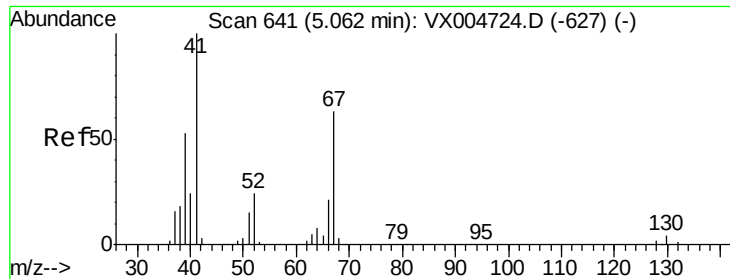
Tot Ion: 83 Resp: 192638
Ion Ratio Lower Upper
83 100
55 80.3 81.1 121.7#
98 45.5 37.3 55.9



#40
Benzene
Concen: 48.544 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX005043.D
Acq: 05 Oct 2018 02:43

Tgt Ion: 78 Resp: 555134
Ion Ratio Lower Upper
78 100
77 23.5 21.0 31.4

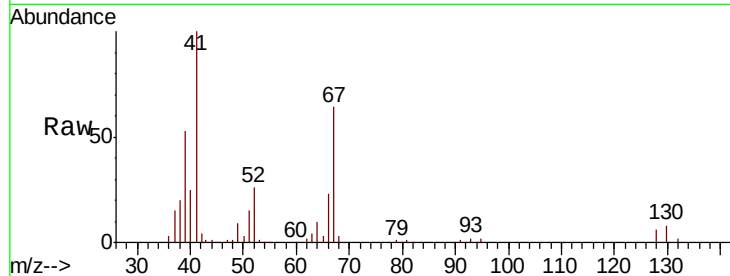




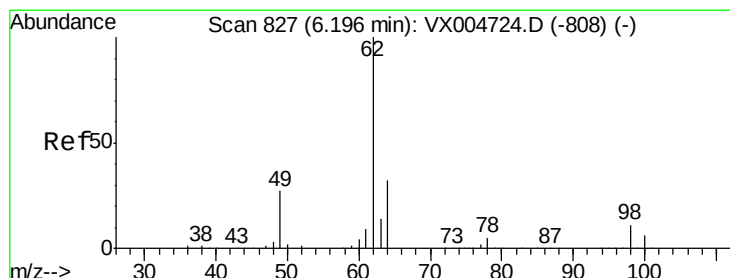
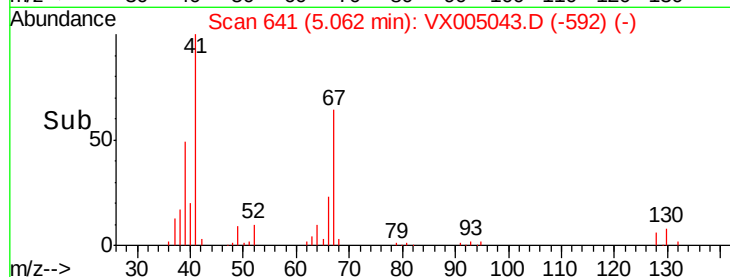
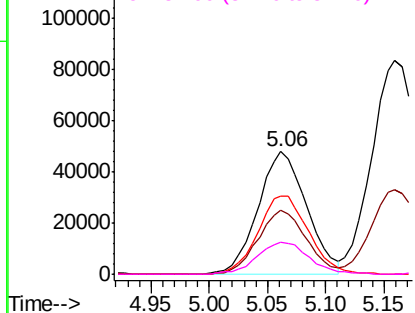
#41
Methacrylonitrile
Concen: 51.330 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.00 min
Lab File: VX005043.D
Acq: 05 Oct 2018 02:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	138025
Ion	Ratio	Lower	Upper
41	100		
39	52.2	42.5	63.7
67	67.1	53.0	79.6
52	27.6	19.8	29.8

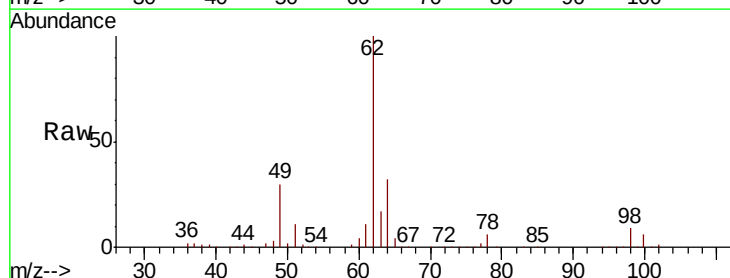


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

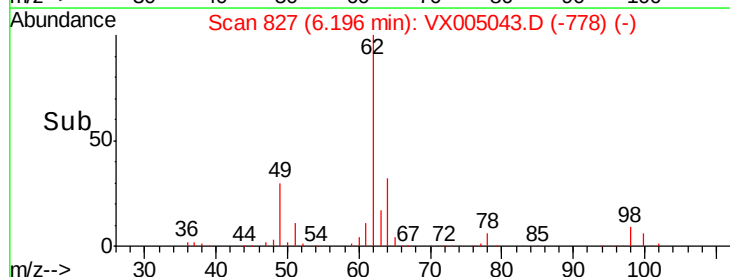
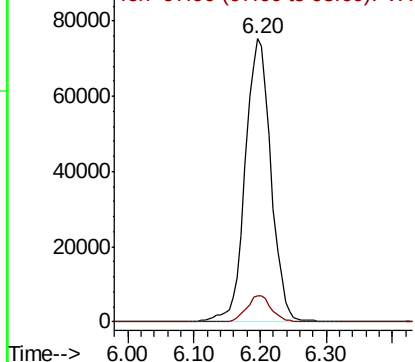


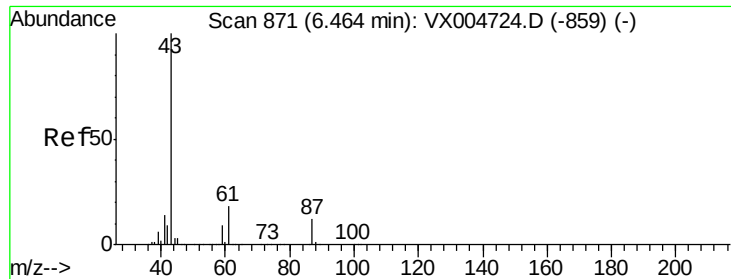
#42
1,2-Dichloroethane
Concen: 50.180 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX005043.D
Acq: 05 Oct 2018 02:43

Tgt Ion:	62	Resp:	202863
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	20.2



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

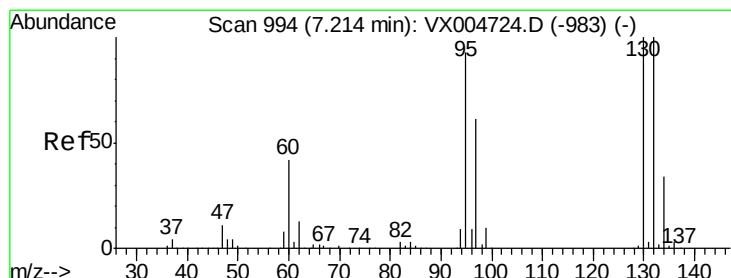
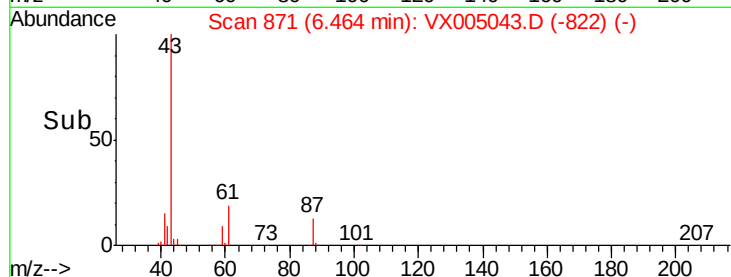
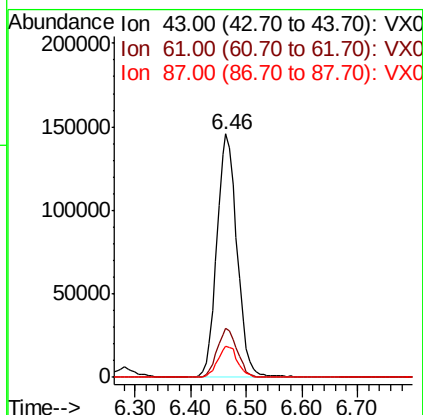
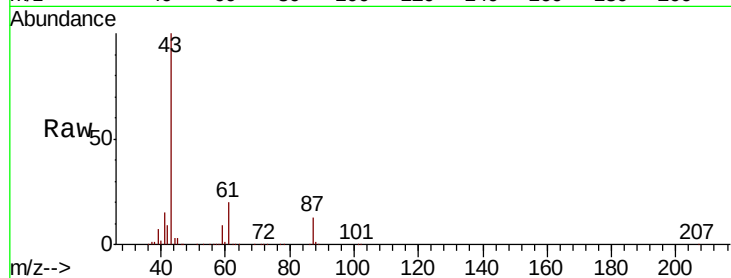




#43
Isopropyl Acetate
Concen: 52.209 ug/l
RT: 6.46 min Scan# 871
Delta R.T. 0.00 min
Lab File: VX005043.D
Acq: 05 Oct 2018 02:43

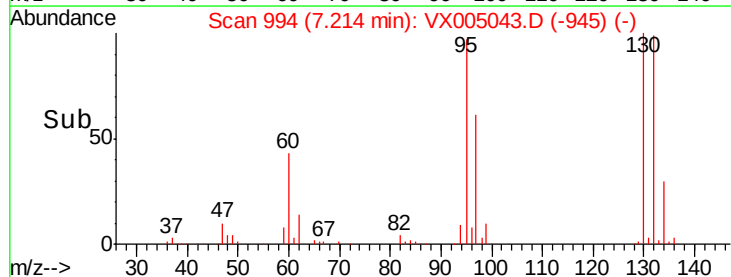
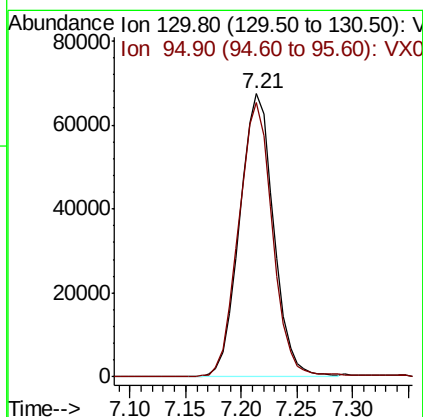
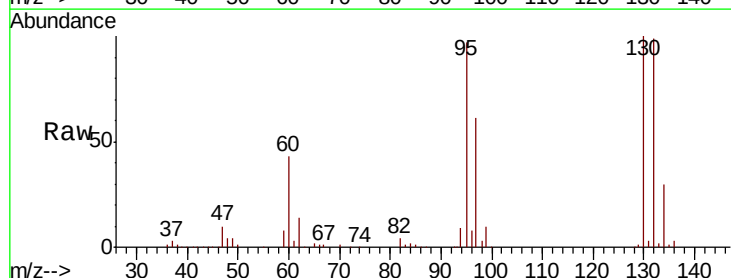
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

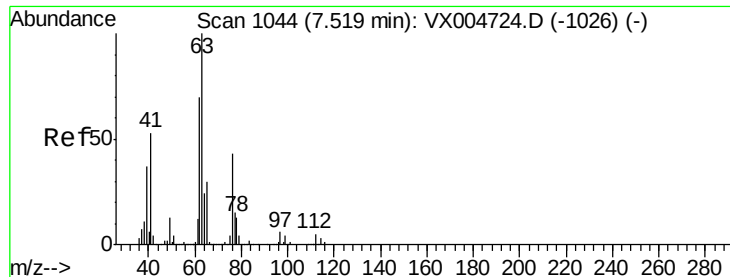
Tot Ion: 43 Resp: 365379
Ion Ratio Lower Upper
43 100
61 20.1 14.2 21.4
87 12.7 9.3 13.9



#44
Trichloroethene
Concen: 50.994 ug/l
RT: 7.21 min Scan# 994
Delta R.T. 0.00 min
Lab File: VX005043.D
Acq: 05 Oct 2018 02:43

Tgt Ion:130 Resp: 143359
Ion Ratio Lower Upper
130 100
95 96.8 0.0 186.8





#45

1,2-Dichloropropane

Concen: 53.407 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VX005043.D

Acq: 05 Oct 2018 02:43

Instrument :

MSVOA_X

ClientSampleId :

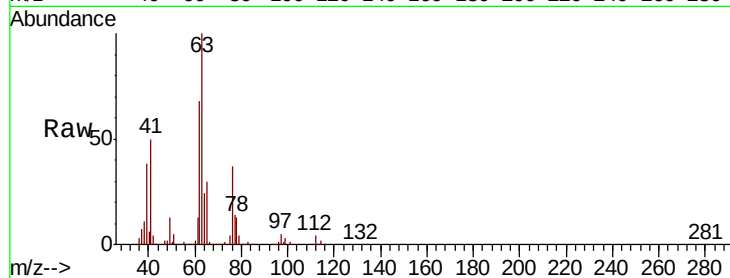
VSTDCCC050

Tot Ion: 63 Resp: 149776

Ion Ratio Lower Upper

63 100

65 29.6 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.52

80000

60000

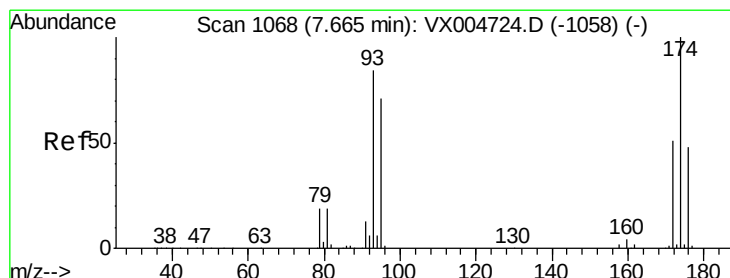
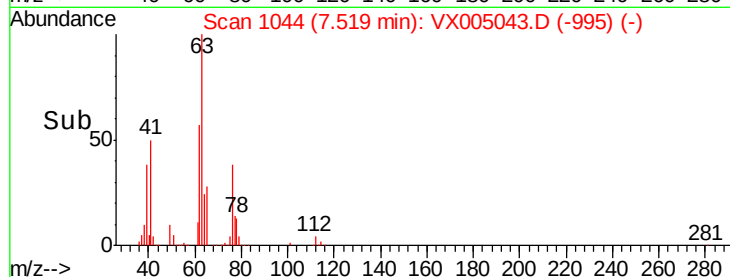
40000

20000

0

7.40 7.50 7.60

Time-->



#46

Dibromomethane

Concen: 53.873 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VX005043.D

Acq: 05 Oct 2018 02:43

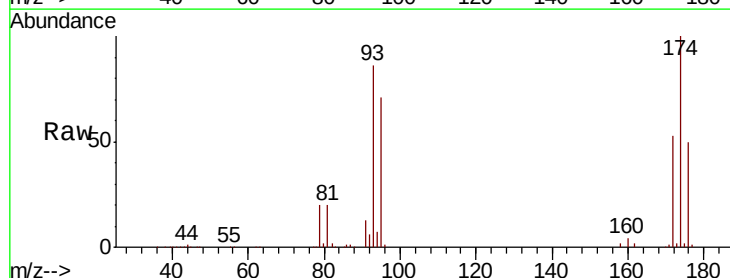
Tgt Ion: 93 Resp: 94949

Ion Ratio Lower Upper

93 100

95 82.5 66.7 100.1

174 114.7 92.7 139.1



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

7.66

60000

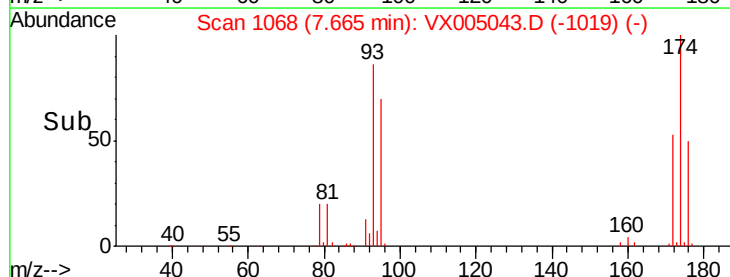
40000

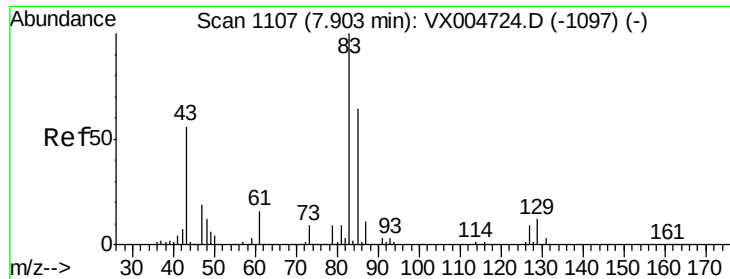
20000

0

7.55 7.60 7.65 7.70 7.75

Time-->





#47

Bromodichloromethane

Concen: 55.001 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VX005043.D

Acq: 05 Oct 2018 02:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

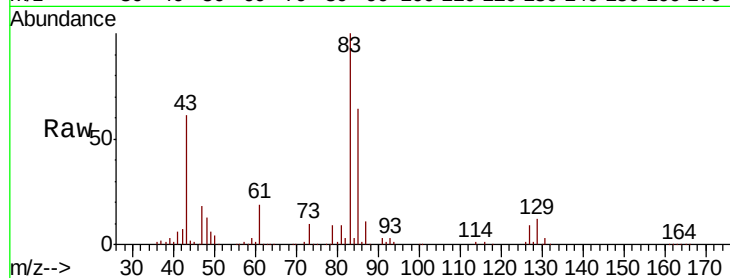
Tot Ion: 83 Resp: 181491

Ion Ratio Lower Upper

83 100

85 64.1 51.2 76.8

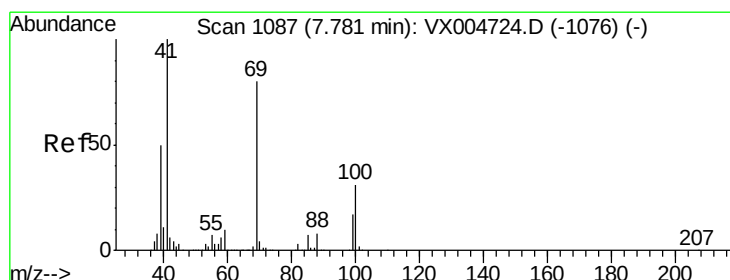
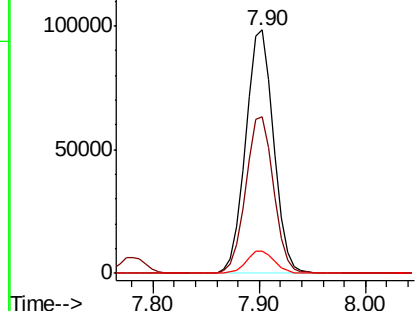
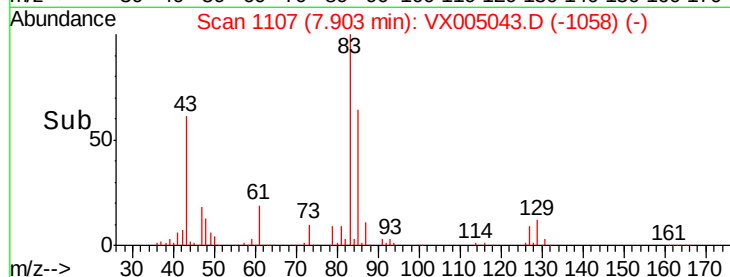
127 9.0 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 60.261 ug/l

RT: 7.78 min Scan# 1087

Delta R.T. 0.00 min

Lab File: VX005043.D

Acq: 05 Oct 2018 02:43

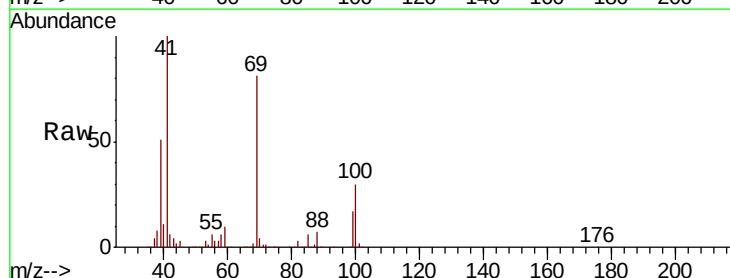
Tgt Ion: 41 Resp: 191418

Ion Ratio Lower Upper

41 100

69 81.1 63.8 95.6

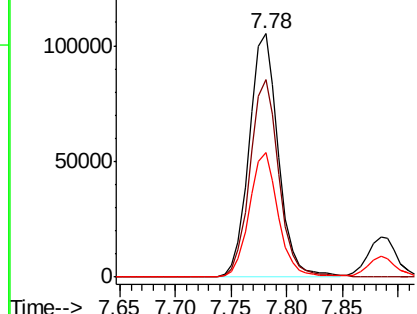
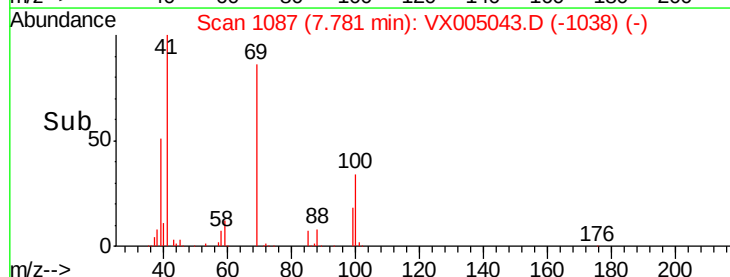
39 50.3 40.7 61.1

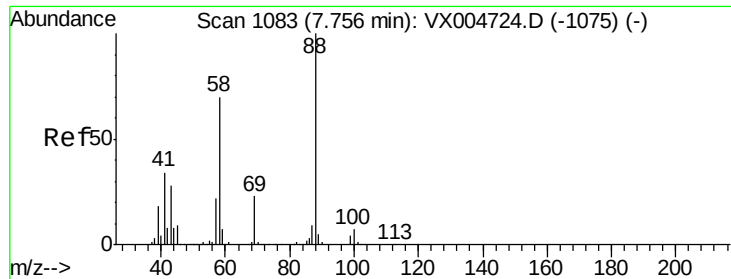


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

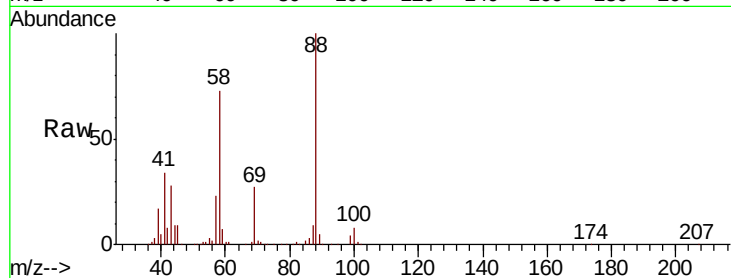




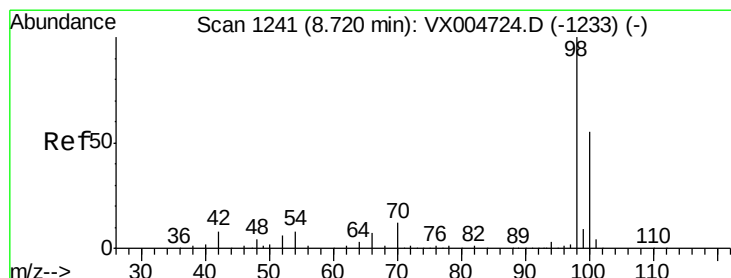
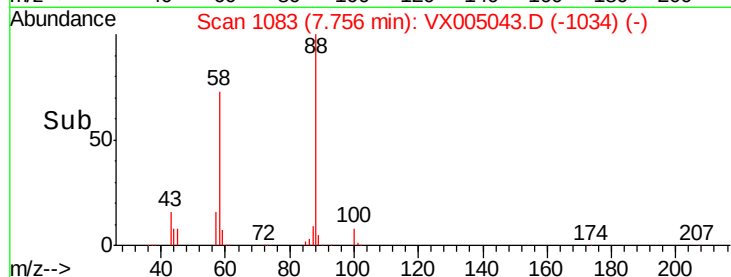
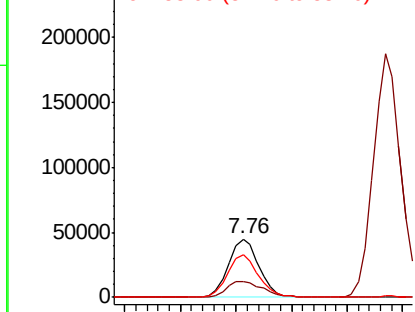
#49
1,4-Dioxane
Concen: 1074.420 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.00 min
Lab File: VX005043.D
Acq: 05 Oct 2018 02:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 84789
Ion Ratio Lower Upper
88 100
43 32.8 25.1 37.7
58 74.4 56.2 84.2

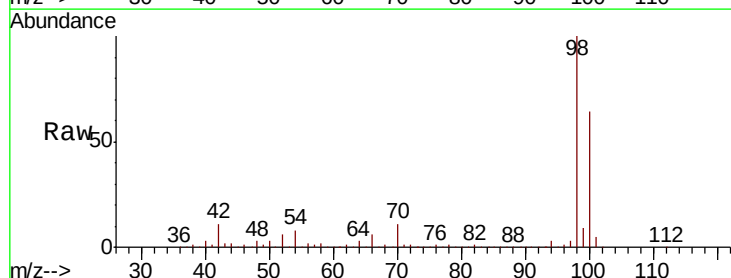


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

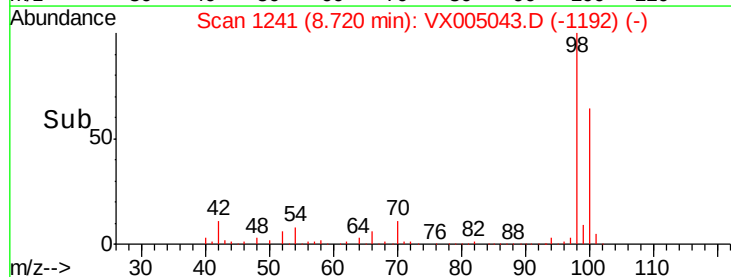
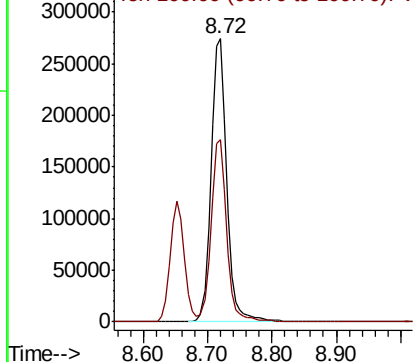


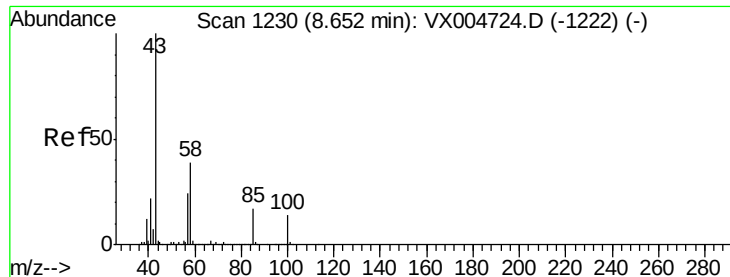
#50
Toluene-d8
Concen: 52.478 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VX005043.D
Acq: 05 Oct 2018 02:43

Tgt Ion: 98 Resp: 467082
Ion Ratio Lower Upper
98 100
100 64.6 51.9 77.9



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: 299.750 ug/l

RT: 8.65 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VX005043.D

Acq: 05 Oct 2018 02:43

Instrument :

MSVOA_X

ClientSampleId :

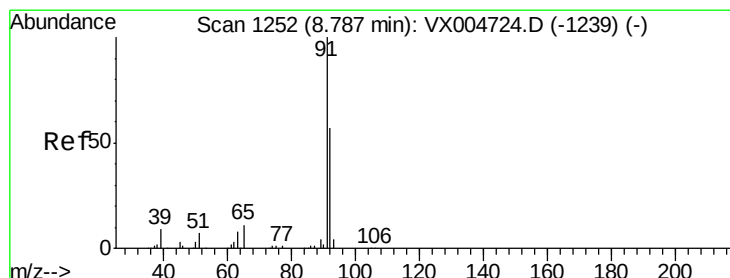
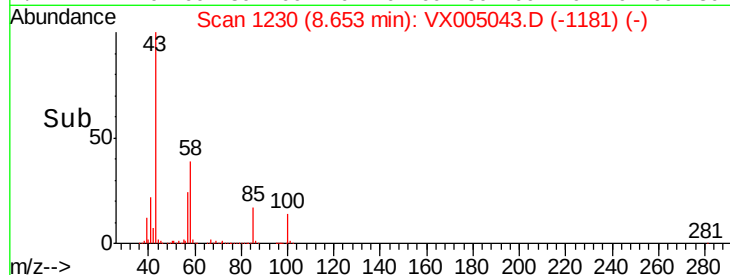
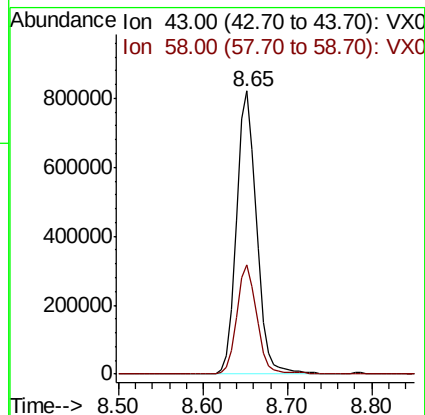
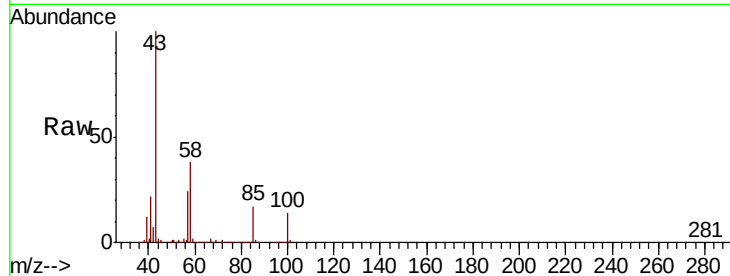
VSTDCCC050

Tot Ion: 43 Resp: 1320853

Ion Ratio Lower Upper

43 100

58 38.7 30.5 45.7



#52

Toluene

Concen: 53.798 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX005043.D

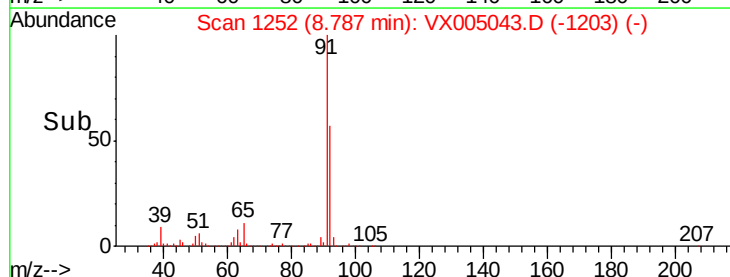
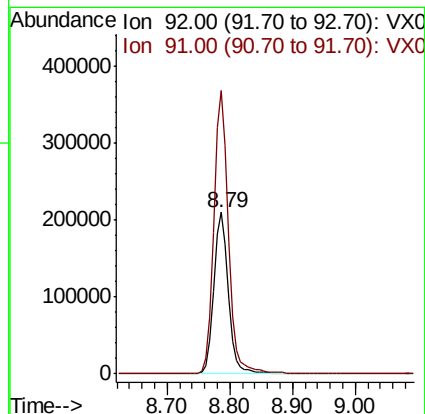
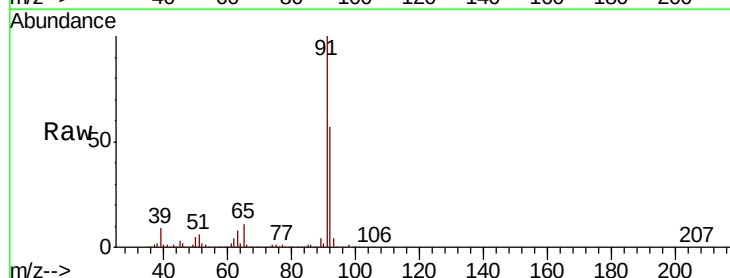
Acq: 05 Oct 2018 02:43

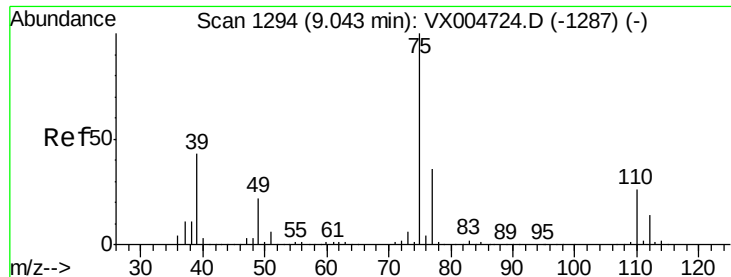
Tgt Ion: 92 Resp: 338054

Ion Ratio Lower Upper

92 100

91 174.8 136.7 205.1





#53

t-1,3-Dichloropropene

Concen: 52.577 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX005043.D

Acq: 05 Oct 2018 02:43

Instrument :

MSVOA_X

ClientSampleId :

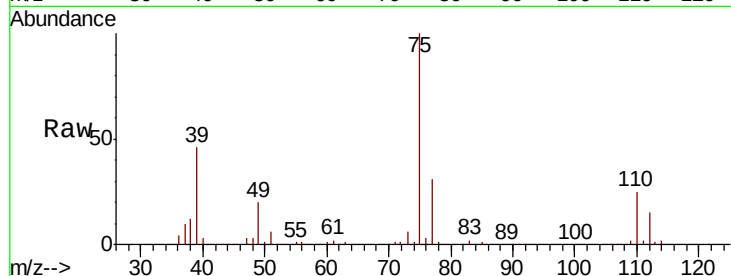
VSTDCCC050

Tot Ion: 75 Resp: 196054

Ion Ratio Lower Upper

75 100

77 30.7 28.9 43.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.04

150000

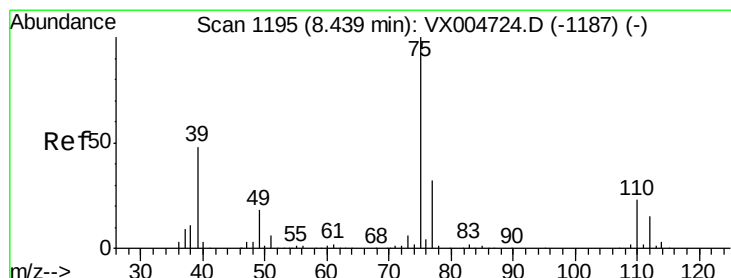
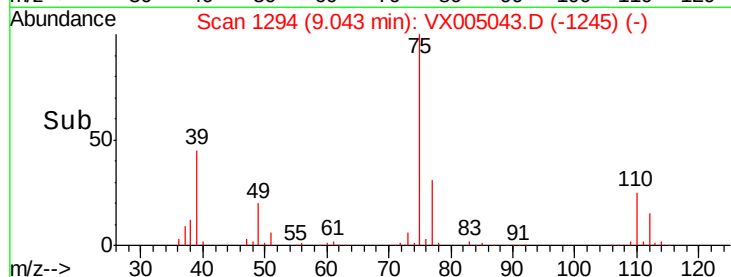
100000

50000

0

Time-->

8.95 9.00 9.05 9.10 9.15



#54

cis-1,3-Dichloropropene

Concen: 54.540 ug/l

RT: 8.44 min Scan# 1195

Delta R.T. 0.00 min

Lab File: VX005043.D

Acq: 05 Oct 2018 02:43

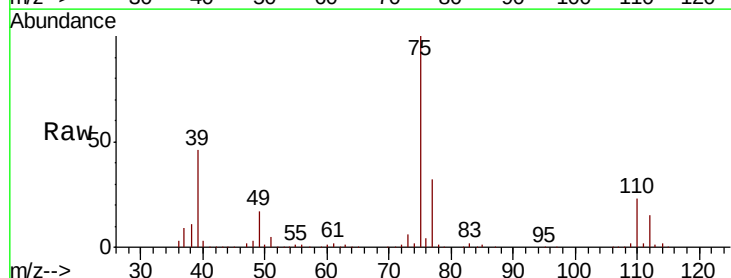
Tgt Ion: 75 Resp: 213020

Ion Ratio Lower Upper

75 100

77 31.7 25.7 38.5

39 45.5 38.3 57.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

8.44

150000

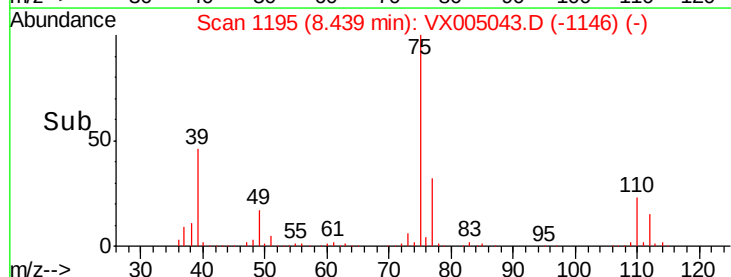
100000

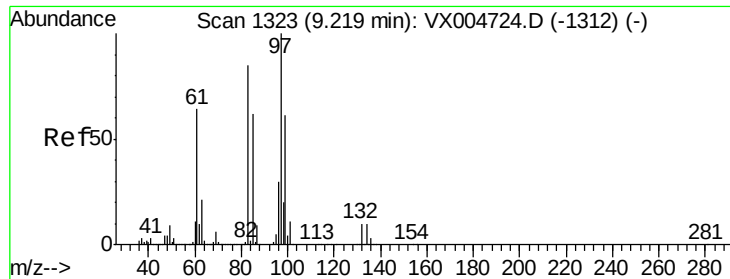
50000

0

Time-->

8.40 8.50



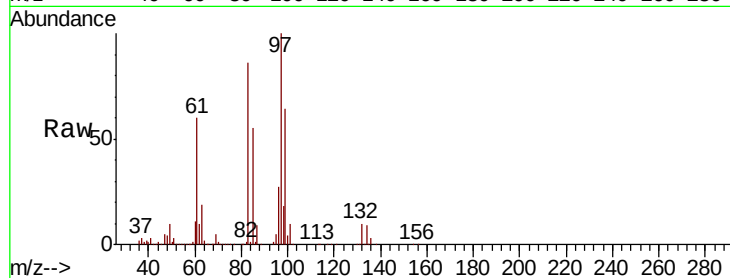


#55
 1,1,2-Trichloroethane
 Concen: 52.375 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VX005043.D
 Acq: 05 Oct 2018 02:43

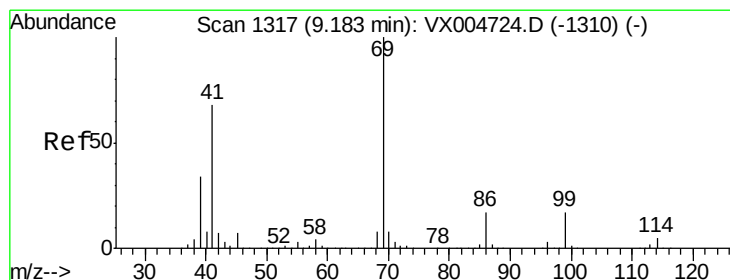
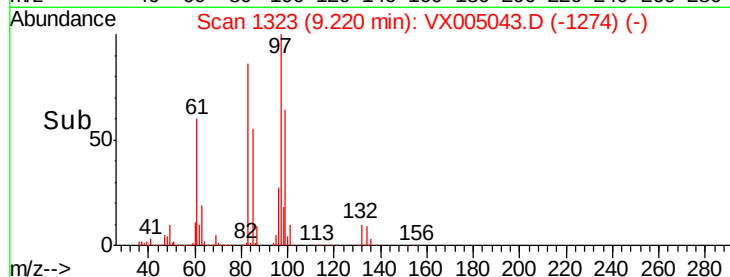
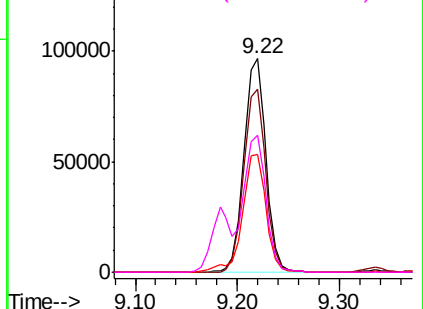
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 97 Resp: 144163

Ion	Ratio	Lower	Upper
97	100		
83	85.6	68.2	102.2
85	54.9	49.9	74.9
99	64.1	48.9	73.3



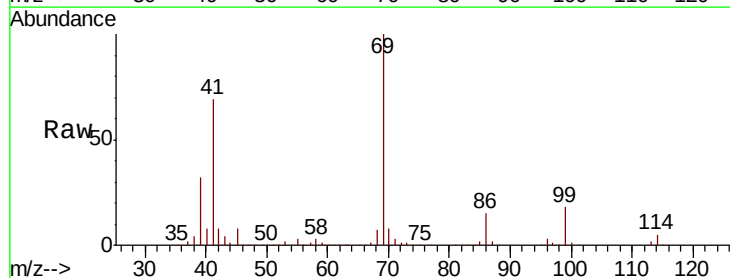
Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0



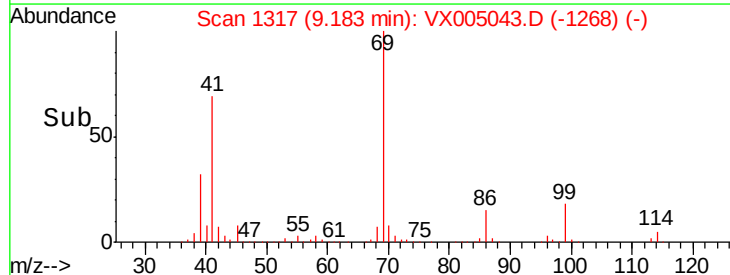
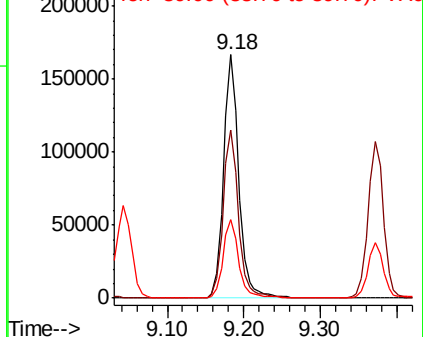
#56
 Ethyl methacrylate
 Concen: 51.364 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VX005043.D
 Acq: 05 Oct 2018 02:43

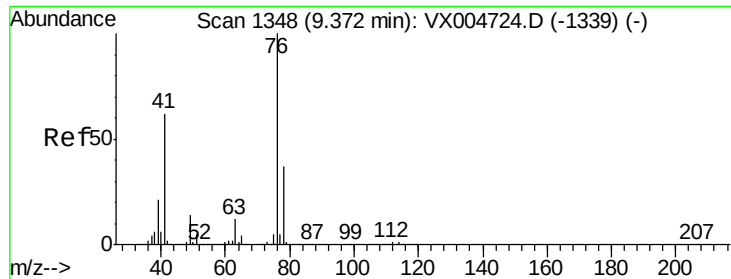
Tgt Ion: 69 Resp: 229792

Ion	Ratio	Lower	Upper
69	100		
41	69.3	56.9	85.3
39	33.0	28.4	42.6



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

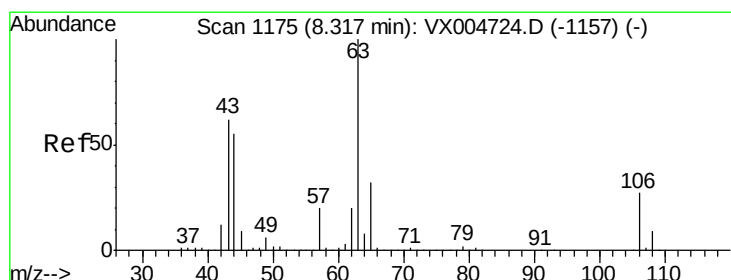
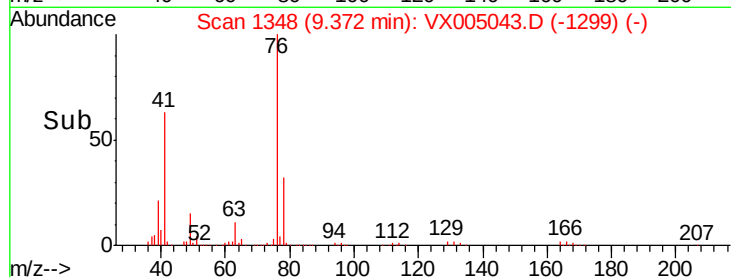
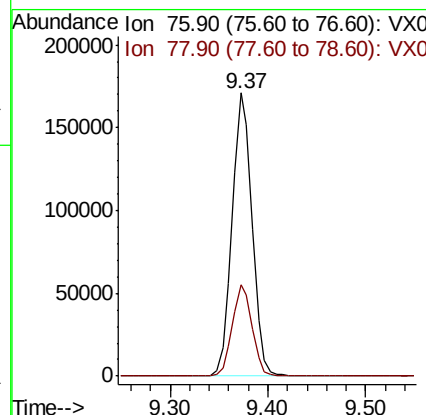
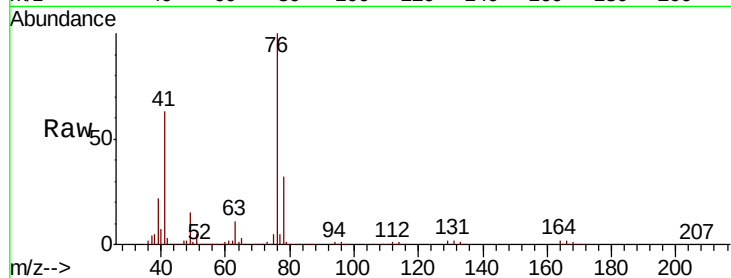




#57
 1,3-Dichloropropane
 Concen: 52.872 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX005043.D
 Acq: 05 Oct 2018 02:43

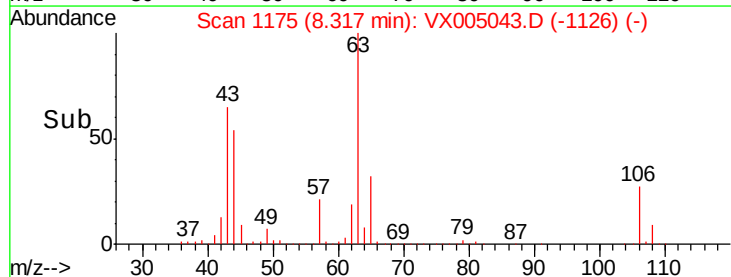
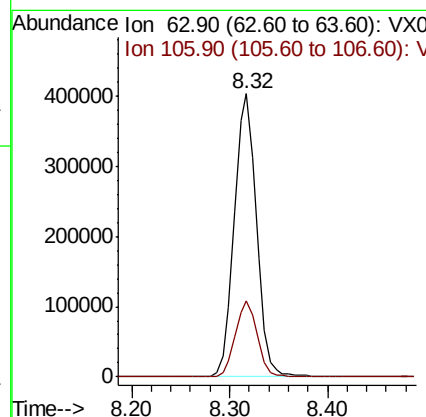
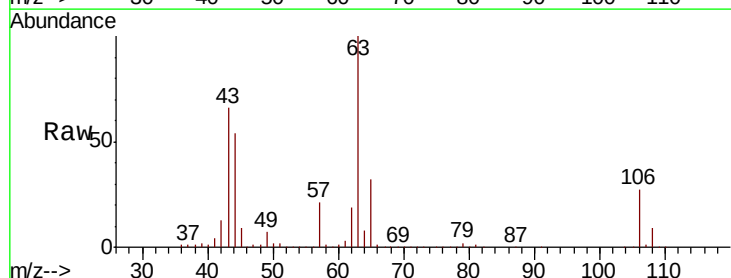
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

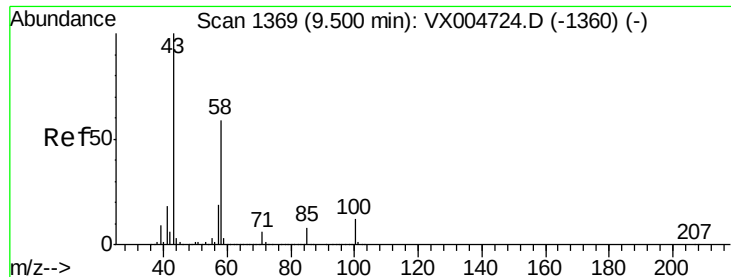
Tot Ion: 76 Resp: 242211
 Ion Ratio Lower Upper
 76 100
 78 32.1 26.6 40.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 266.000 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: VX005043.D
 Acq: 05 Oct 2018 02:43

Tgt Ion: 63 Resp: 633157
 Ion Ratio Lower Upper
 63 100
 106 26.5 21.0 31.6

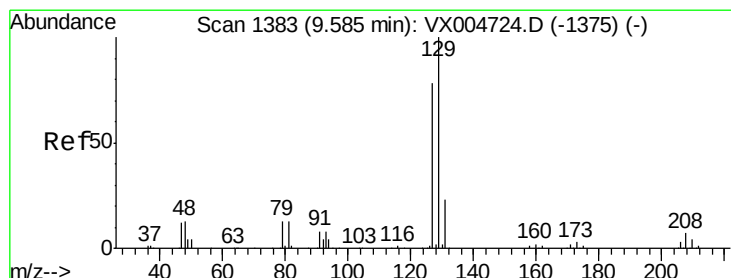
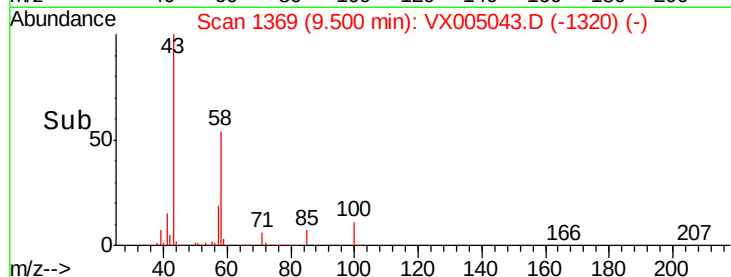
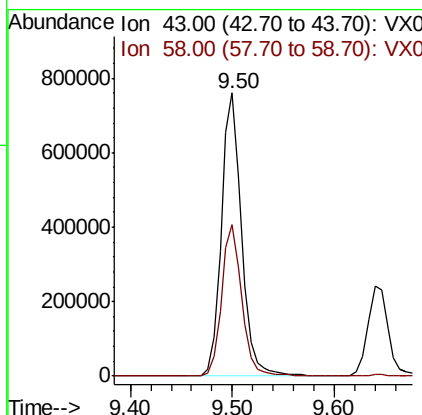
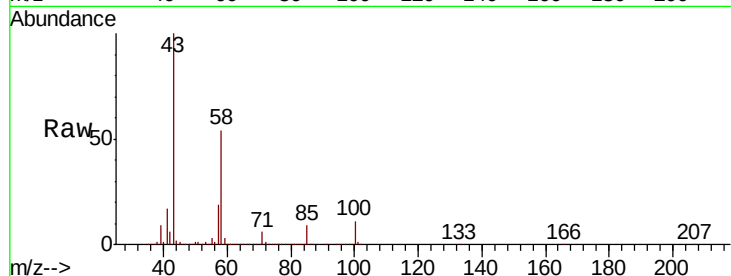




#59
2-Hexanone
Concen: 284.947 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VX005043.D
Acq: 05 Oct 2018 02:43

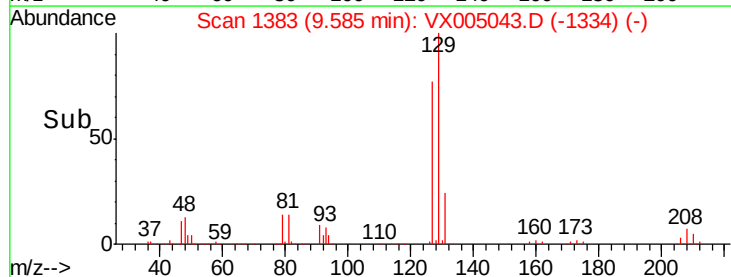
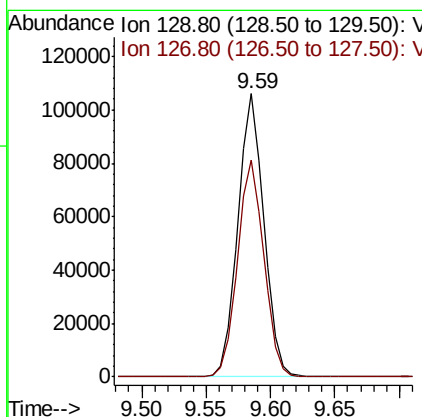
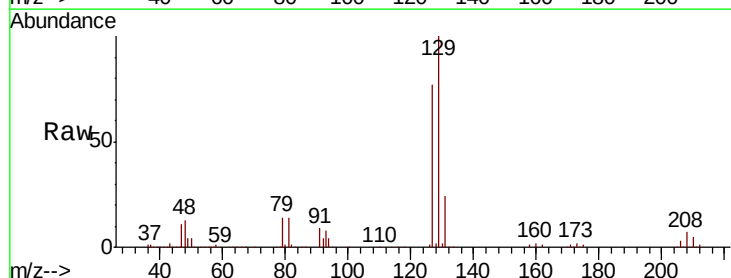
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

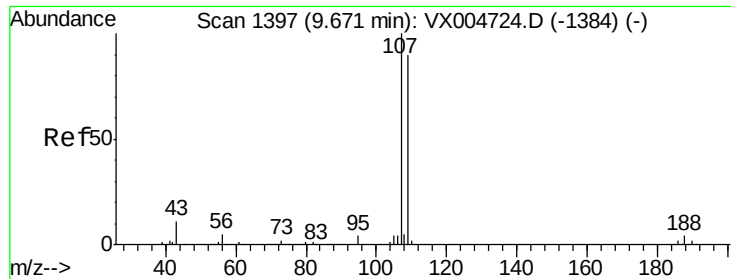
Tot Ion: 43 Resp: 1046337
Ion Ratio Lower Upper
43 100
58 53.5 28.4 85.3



#60
Dibromochloromethane
Concen: 54.020 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX005043.D
Acq: 05 Oct 2018 02:43

Tgt Ion: 129 Resp: 148702
Ion Ratio Lower Upper
129 100
127 77.4 39.1 117.2

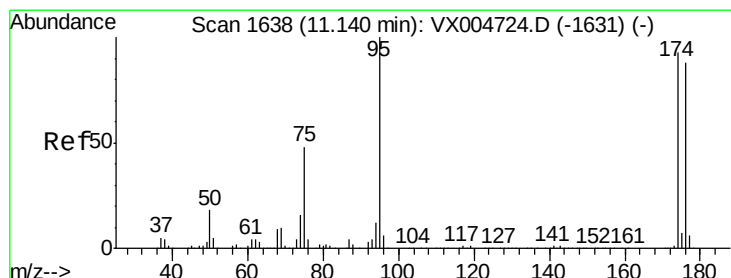
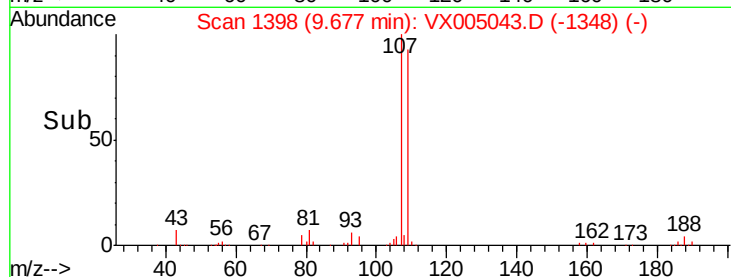
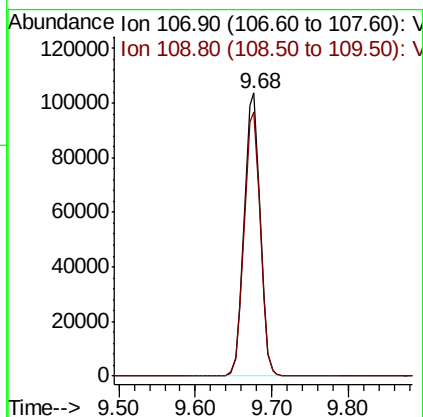
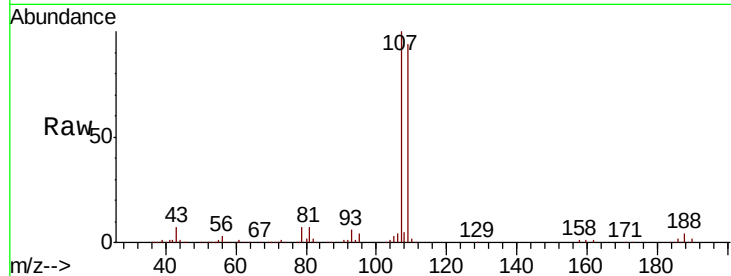




#61
 1,2-Dibromoethane
 Concen: 50.966 ug/l
 RT: 9.68 min Scan# 1398
 Delta R.T. 0.01 min
 Lab File: VX005043.D
 Acq: 05 Oct 2018 02:43

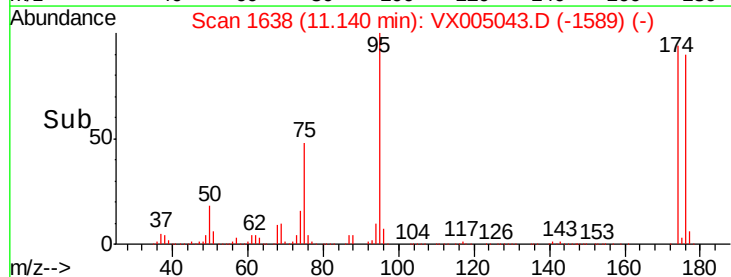
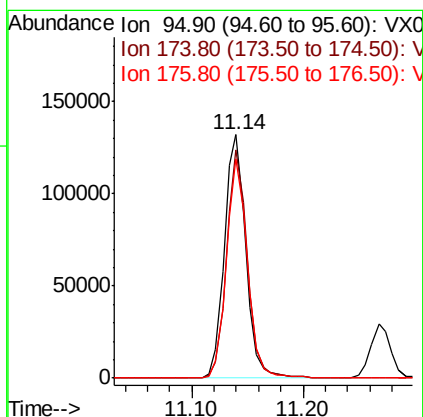
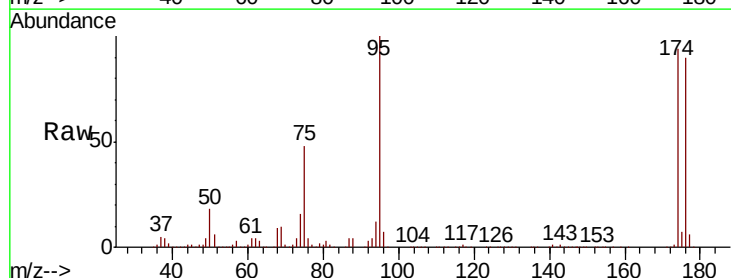
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

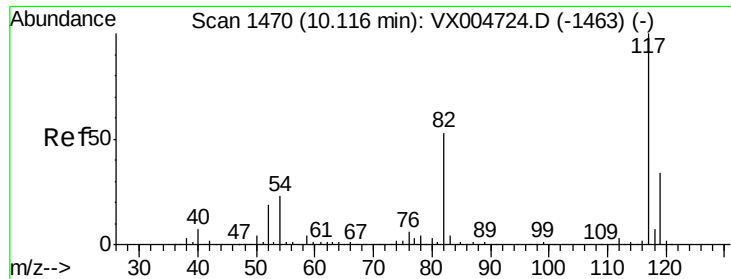
Tot Ion:107 Resp: 150238
 Ion Ratio Lower Upper
 107 100
 109 95.0 72.1 108.1



#62
 4-Bromofluorobenzene
 Concen: 54.725 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.00 min
 Lab File: VX005043.D
 Acq: 05 Oct 2018 02:43

Tgt Ion: 95 Resp: 175475
 Ion Ratio Lower Upper
 95 100
 174 90.8 0.0 185.0
 176 88.4 0.0 180.2

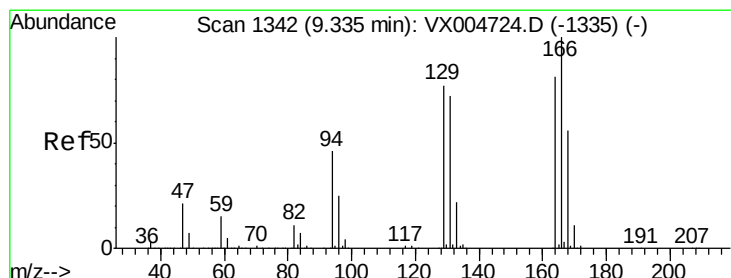
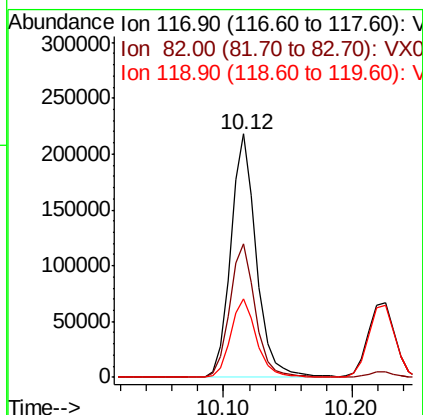
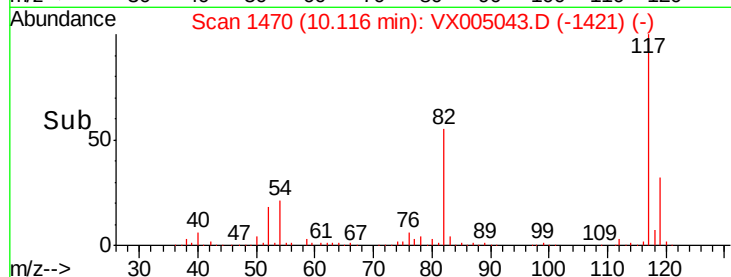
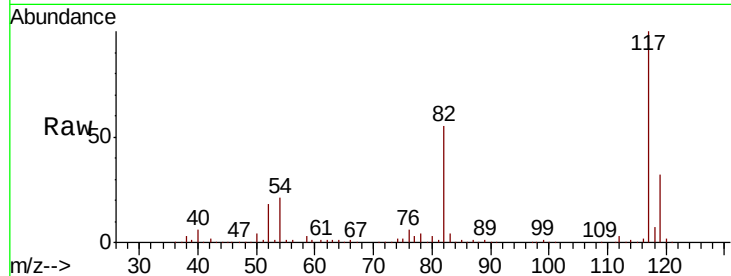




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005043.D
Acq: 05 Oct 2018 02:43

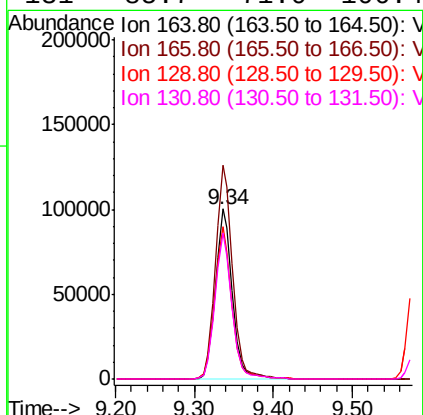
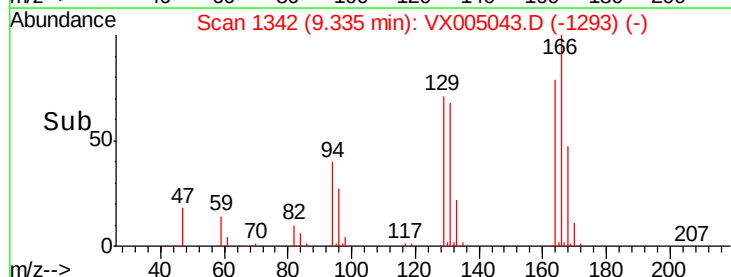
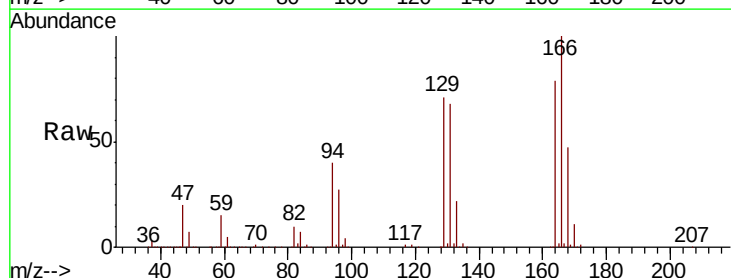
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

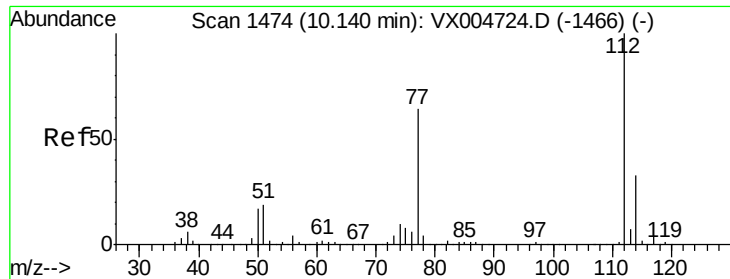
Tot Ion:117 Resp: 301981
Ion Ratio Lower Upper
117 100
82 54.9 42.2 63.4
119 32.3 27.4 41.0



#64
Tetrachloroethene
Concen: 50.653 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX005043.D
Acq: 05 Oct 2018 02:43

Tgt Ion:164 Resp: 150549
Ion Ratio Lower Upper
164 100
166 125.8 98.4 147.6
129 89.8 76.1 114.1
131 85.7 71.0 106.4





#65

Chlorobenzene

Concen: 49.470 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VX005043.D

Acq: 05 Oct 2018 02:43

Instrument :

MSVOA_X

ClientSampleId :

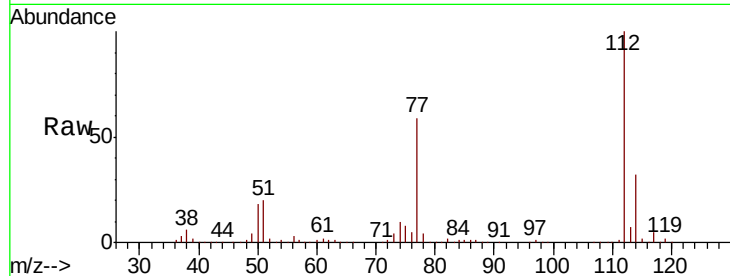
VSTDCCC050

Tot Ion:112 Resp: 383075

Ion Ratio Lower Upper

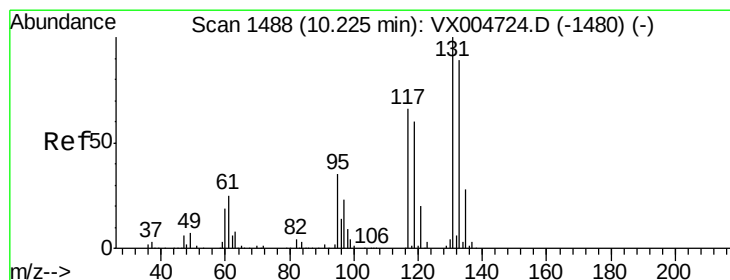
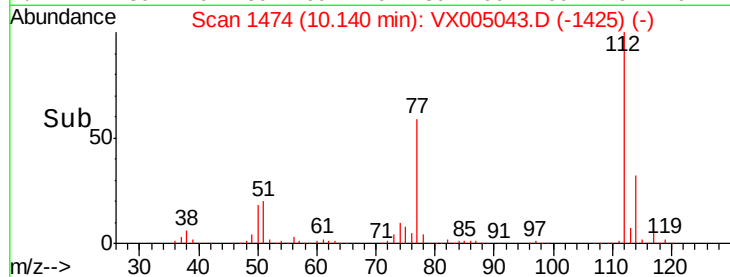
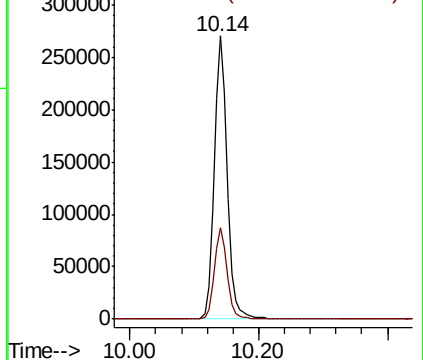
112 100

114 32.4 26.7 40.1



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: 51.466 ug/l

RT: 10.23 min Scan# 1488

Delta R.T. 0.00 min

Lab File: VX005043.D

Acq: 05 Oct 2018 02:43

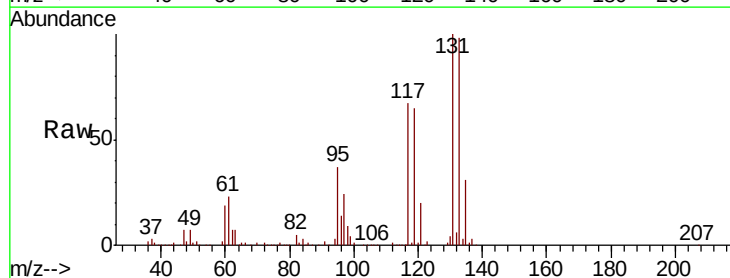
Tgt Ion:131 Resp: 140109

Ion Ratio Lower Upper

131 100

133 96.7 48.4 145.0

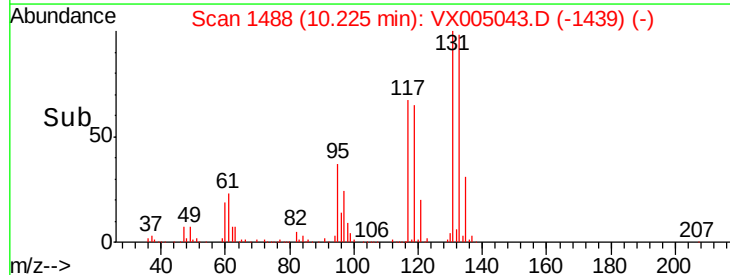
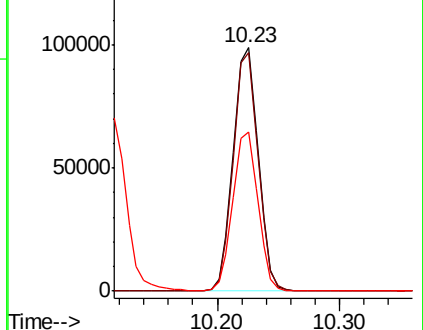
119 65.6 32.3 96.8

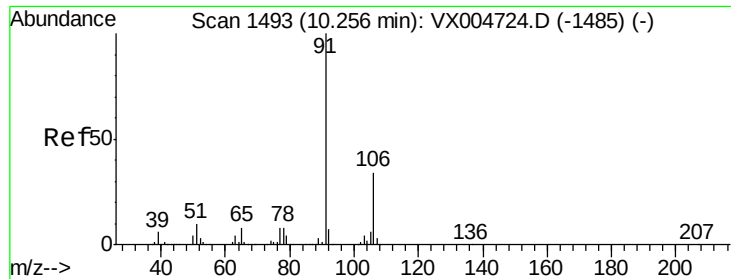


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 52.265 ug/l

RT: 10.26 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VX005043.D

Acq: 05 Oct 2018 02:43

Instrument :

MSVOA_X

ClientSampleId :

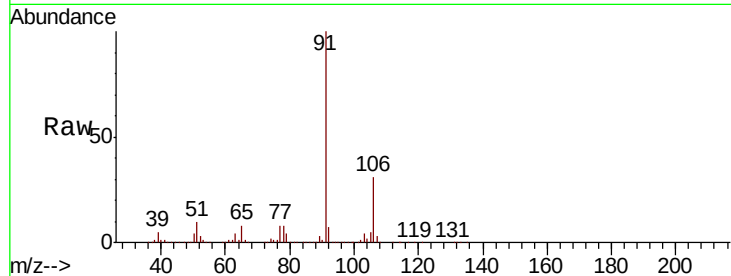
VSTDCCC050

Tot Ion: 91 Resp: 642544

Ion Ratio Lower Upper

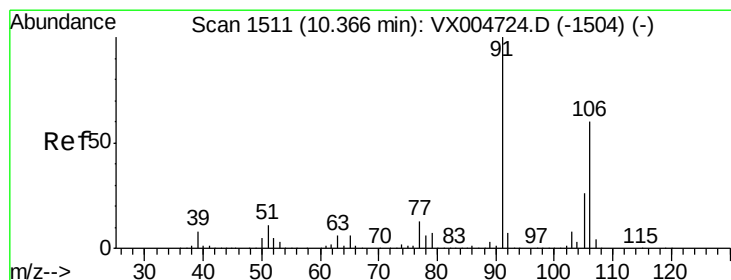
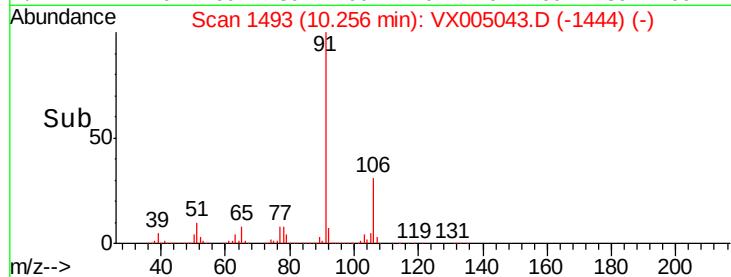
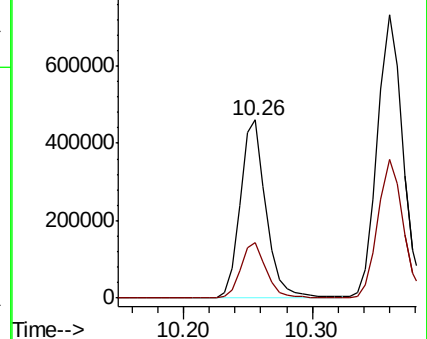
91 100

106 31.4 26.9 40.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 104.294 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.01 min

Lab File: VX005043.D

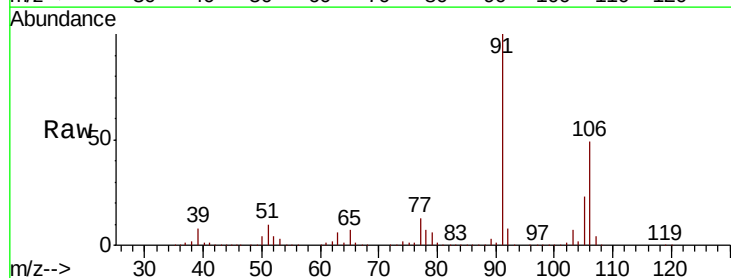
Acq: 05 Oct 2018 02:43

Tgt Ion: 106 Resp: 501042

Ion Ratio Lower Upper

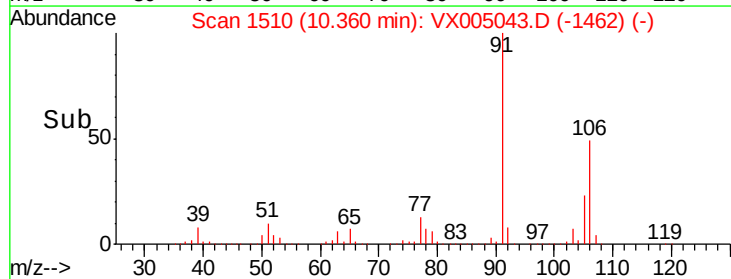
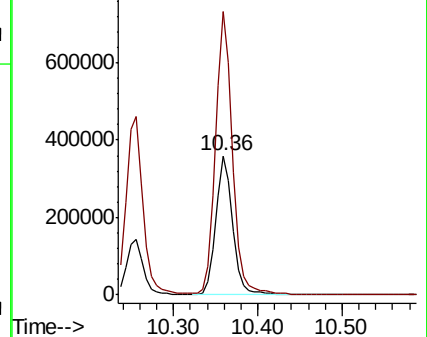
106 100

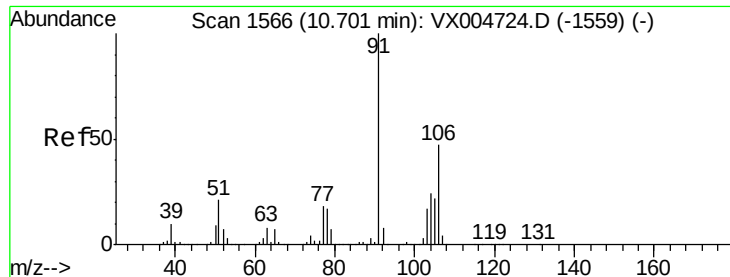
91 204.8 157.5 236.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

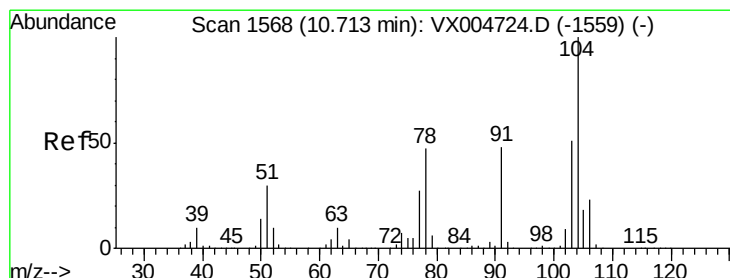
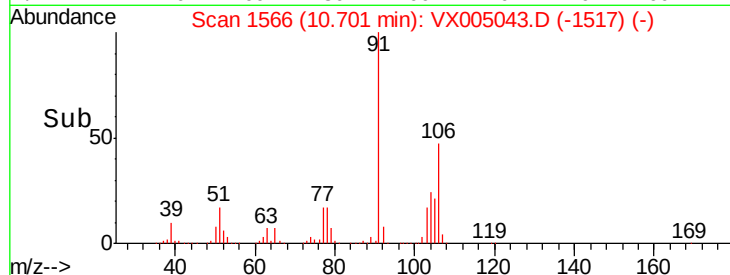
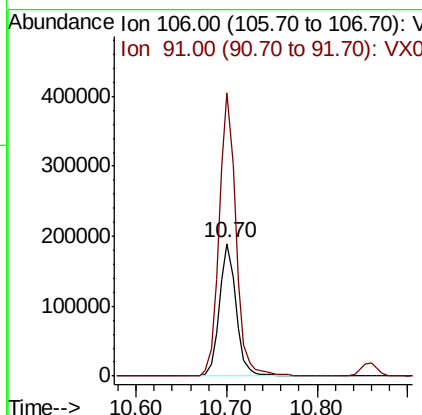
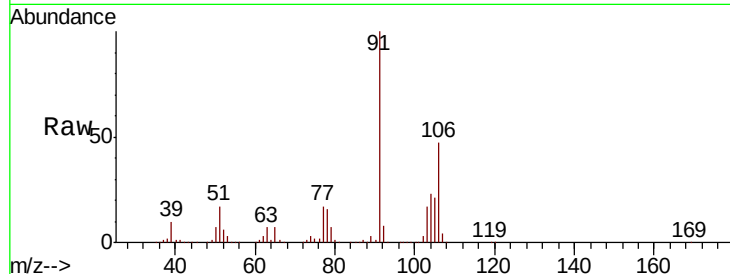




#69
o-Xylene
Concen: 55.439 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX005043.D
Acq: 05 Oct 2018 02:43

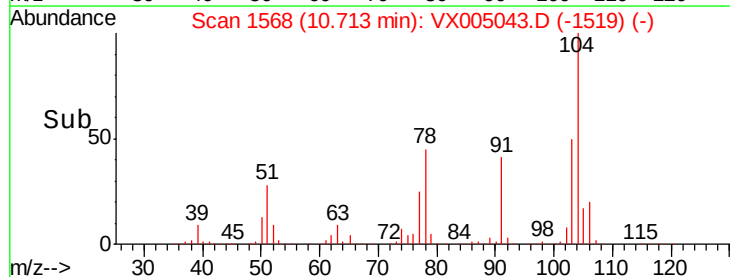
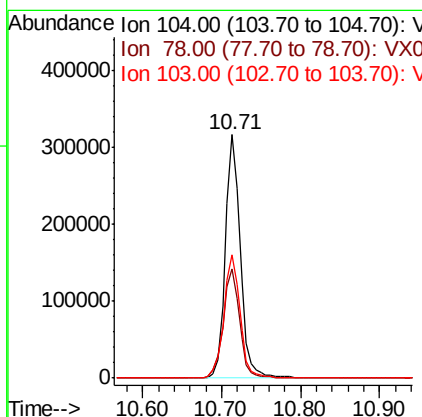
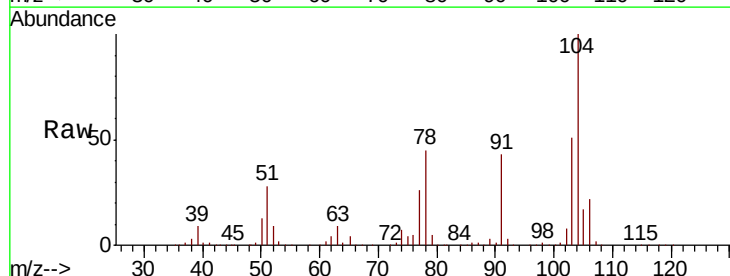
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

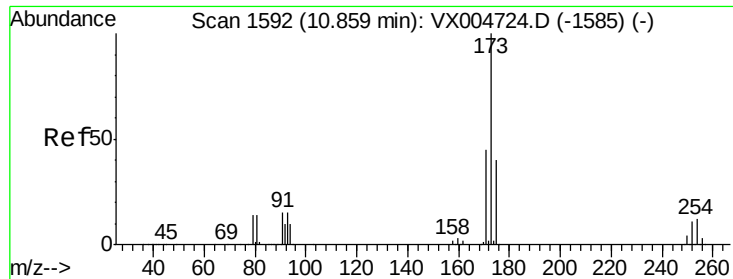
Tot Ion:106 Resp: 244629
Ion Ratio Lower Upper
106 100
91 214.5 108.3 324.8



#70
Styrene
Concen: 50.561 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX005043.D
Acq: 05 Oct 2018 02:43

Tgt Ion:104 Resp: 417483
Ion Ratio Lower Upper
104 100
78 49.8 40.0 60.0
103 55.3 44.3 66.5

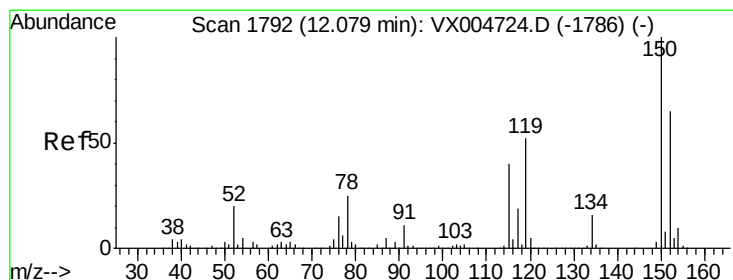
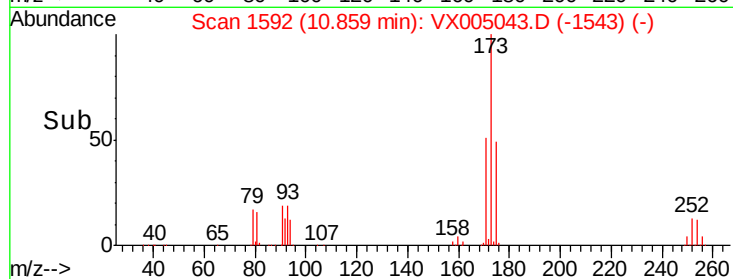
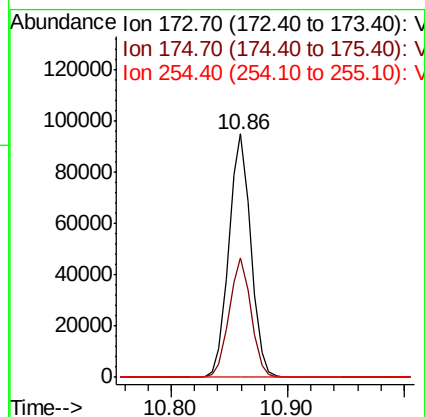
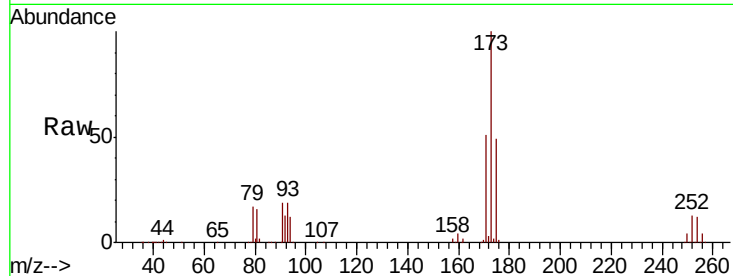




#71
Bromoform
Concen: 53.308 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VX005043.D
Acq: 05 Oct 2018 02:43

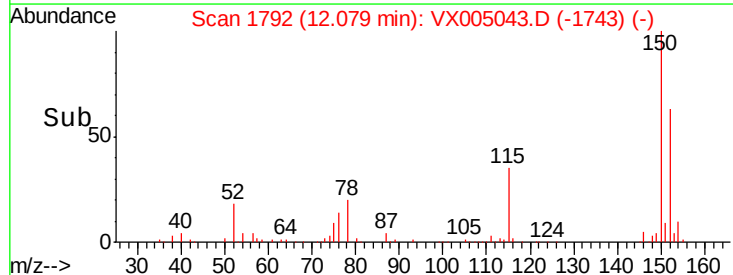
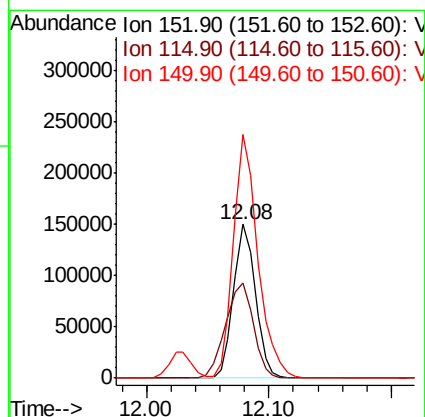
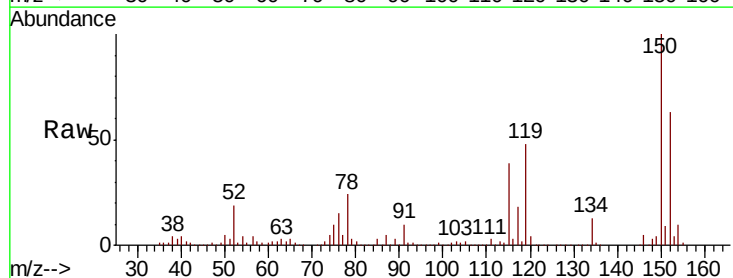
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

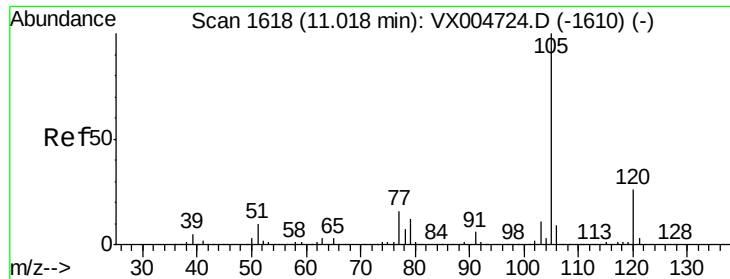
Tot Ion:173 Resp: 124242
Ion Ratio Lower Upper
173 100
175 48.9 23.3 69.8
254 0.2 0.2 0.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX005043.D
Acq: 05 Oct 2018 02:43

Tgt Ion:152 Resp: 185317
Ion Ratio Lower Upper
152 100
115 79.4 40.2 120.6
150 176.4 0.0 351.0





#73

Isopropylbenzene

Concen: 55.597 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX005043.D

Acq: 05 Oct 2018 02:43

Instrument :

MSVOA_X

ClientSampleId :

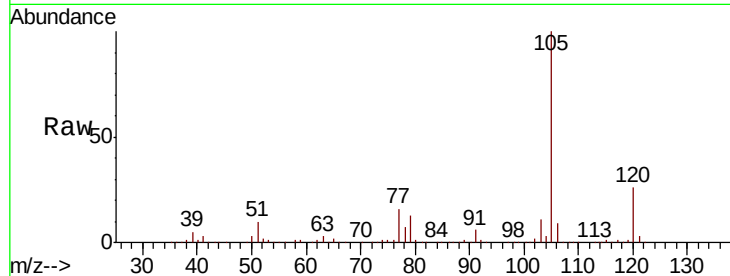
VSTDCCC050

Tot Ion:105 Resp: 649415

Ion Ratio Lower Upper

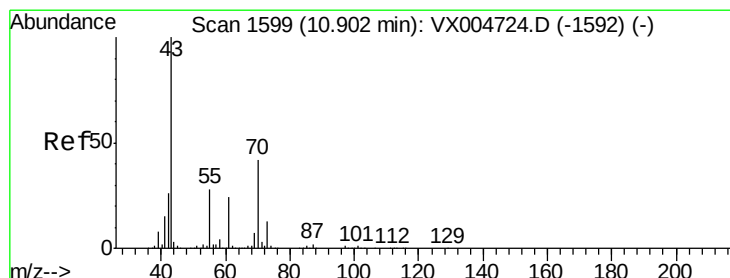
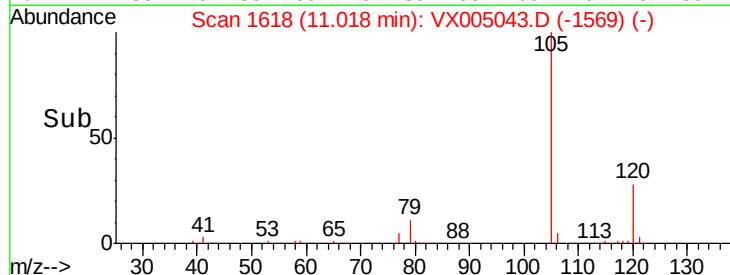
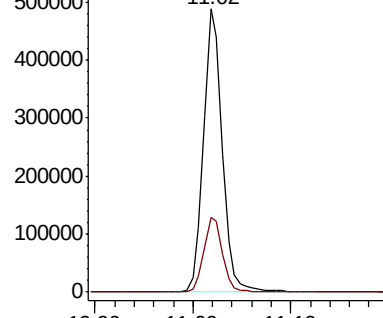
105 100

120 26.6 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.765 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VX005043.D

Acq: 05 Oct 2018 02:43

Tgt Ion: 43 Resp: 326103

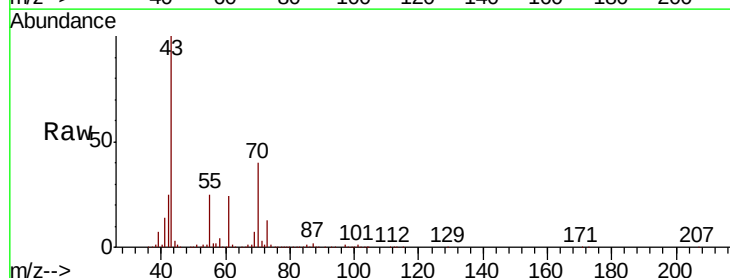
Ion Ratio Lower Upper

43 100

70 40.1 32.6 48.8

55 25.3 21.6 32.4

61 23.6 19.1 28.7

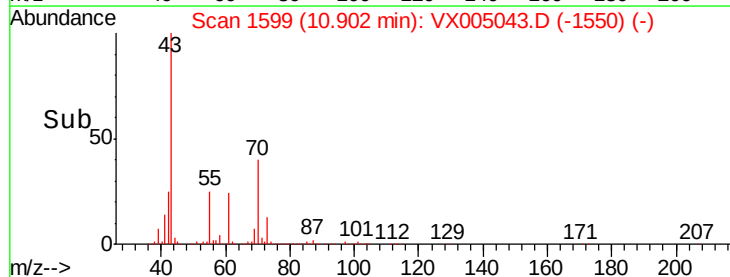
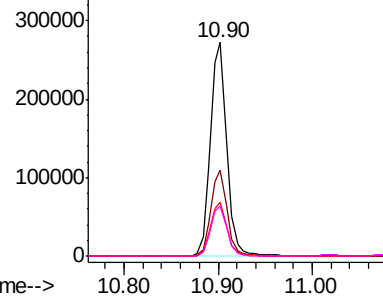


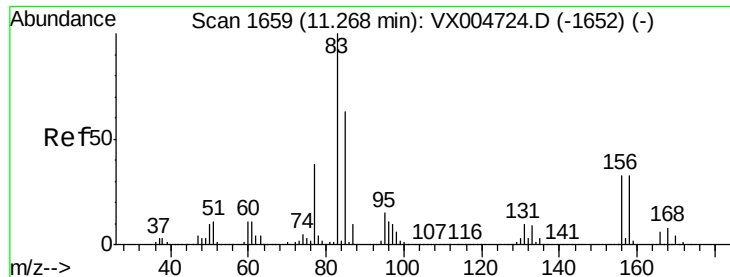
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 50.474 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX005043.D

Acq: 05 Oct 2018 02:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

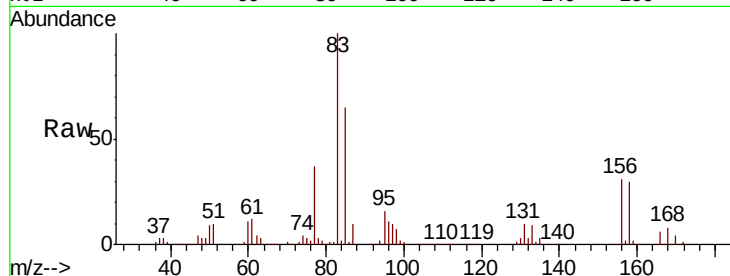
Tot Ion: 83 Resp: 239995

Ion Ratio Lower Upper

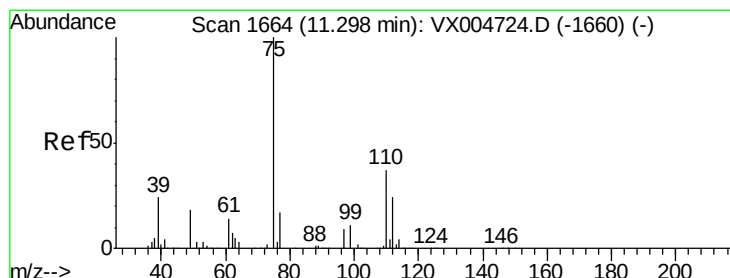
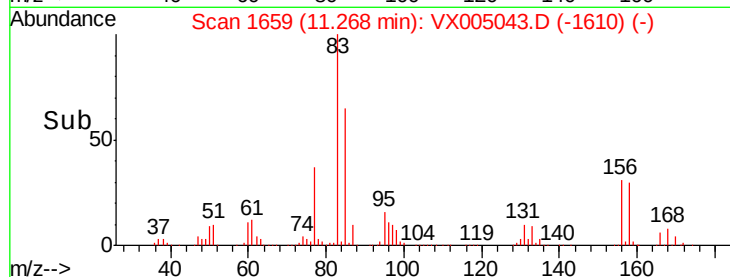
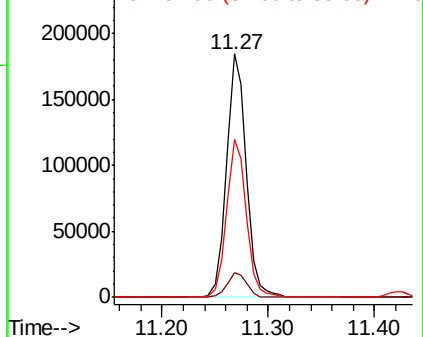
83 100

131 10.4 5.1 15.3

85 65.1 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 65.620 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VX005043.D

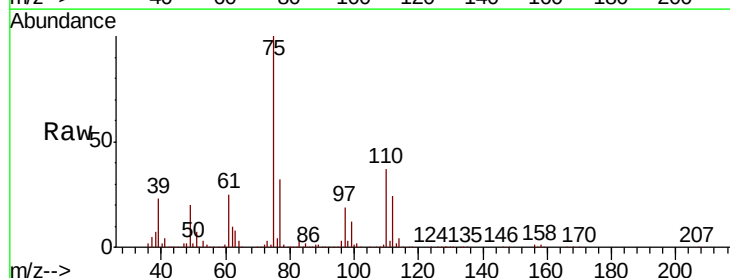
Acq: 05 Oct 2018 02:43

Tgt Ion: 75 Resp: 272562

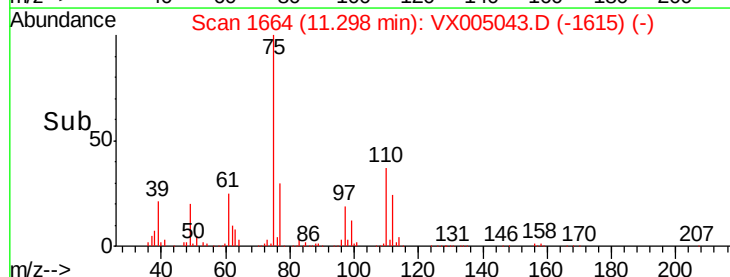
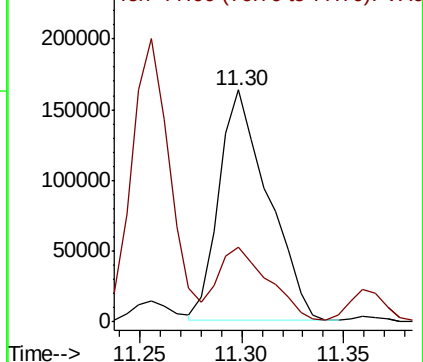
Ion Ratio Lower Upper

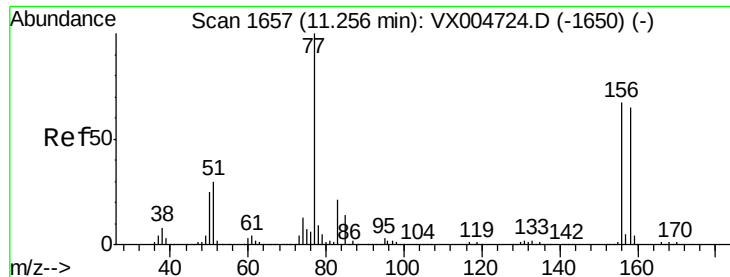
75 100

77 33.8 21.4 64.3



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





#77

Bromobenzene

Concen: 52.543 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX005043.D

Acq: 05 Oct 2018 02:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

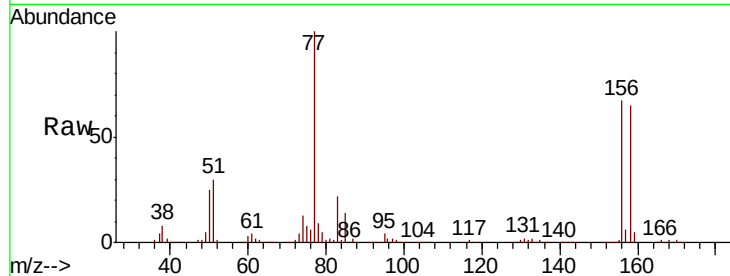
Tot Ion:156 Resp: 178267

Ion Ratio Lower Upper

156 100

77 146.4 73.4 220.2

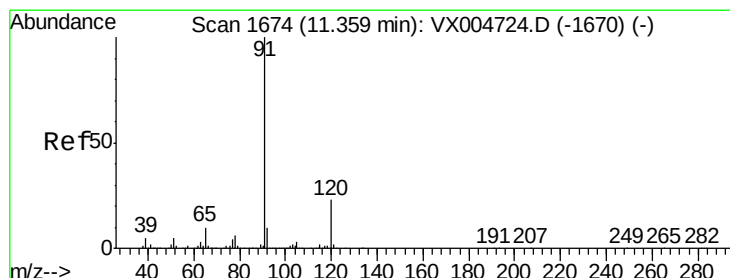
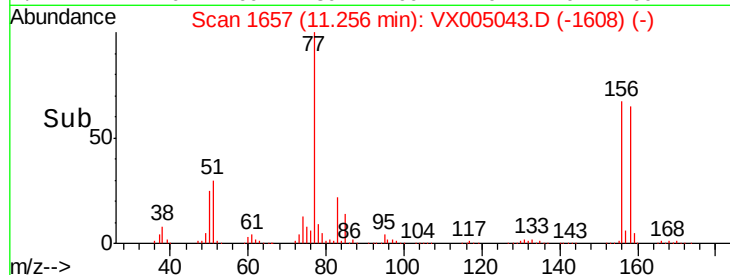
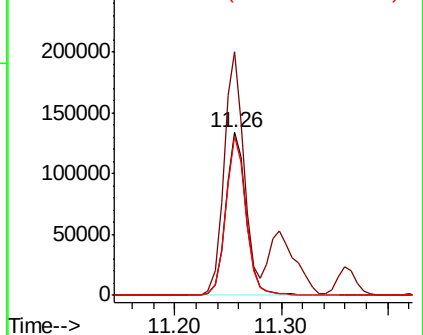
158 96.5 49.1 147.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 55.108 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX005043.D

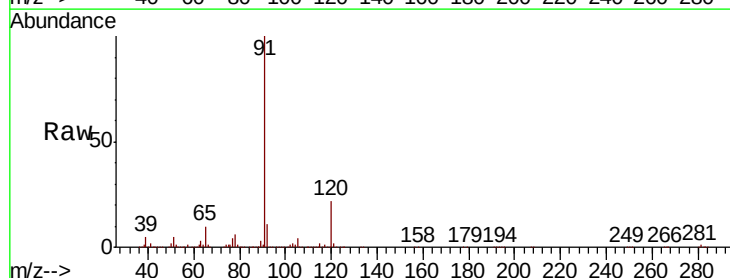
Acq: 05 Oct 2018 02:43

Tgt Ion: 91 Resp: 738569

Ion Ratio Lower Upper

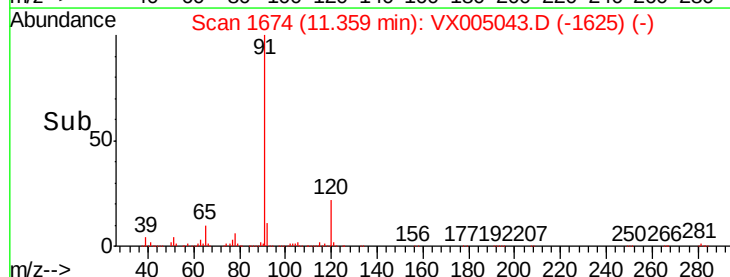
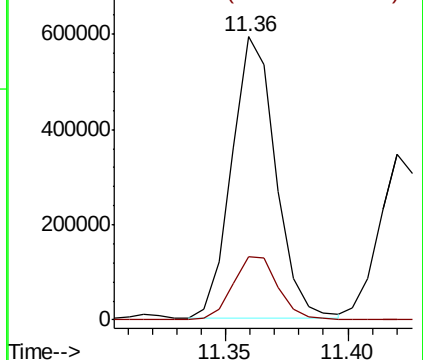
91 100

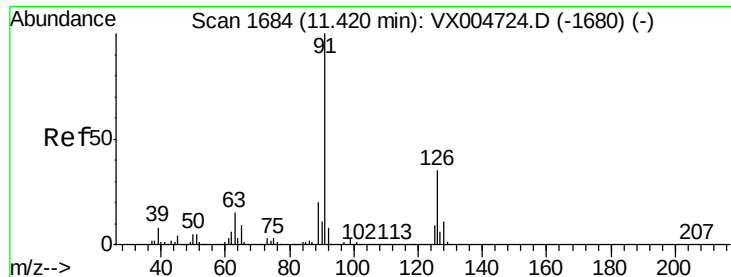
120 23.7 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 54.471 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX005043.D

Acq: 05 Oct 2018 02:43

Instrument :

MSVOA_X

ClientSampleId :

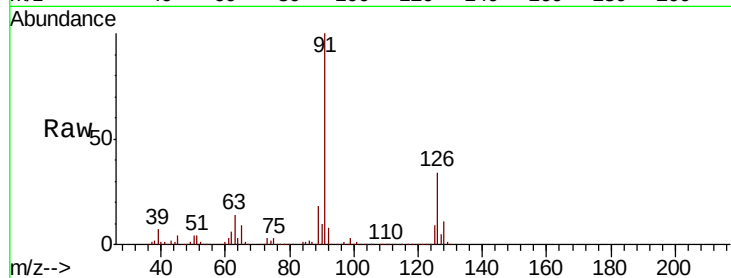
VSTDCCC050

Tot Ion: 91 Resp: 455049

Ion Ratio Lower Upper

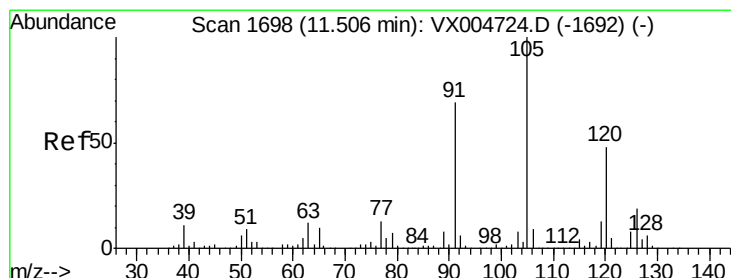
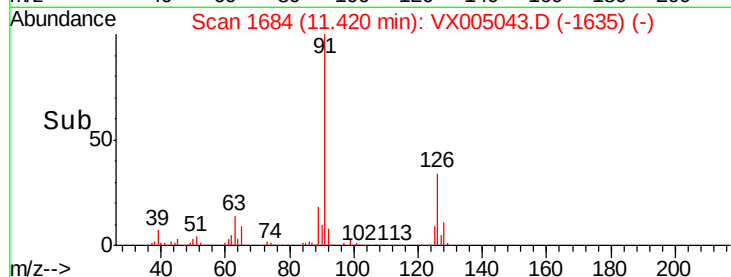
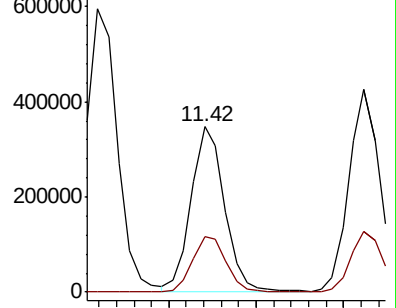
91 100

126 35.0 17.6 52.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 51.799 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX005043.D

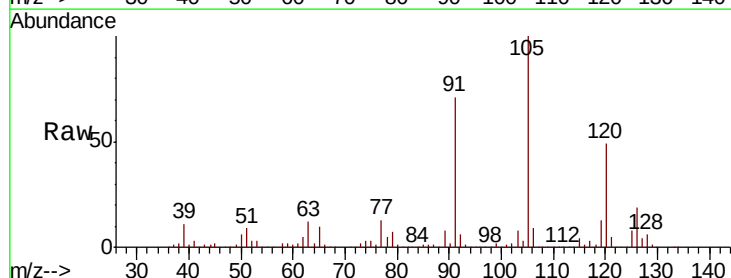
Acq: 05 Oct 2018 02:43

Tgt Ion:105 Resp: 554482

Ion Ratio Lower Upper

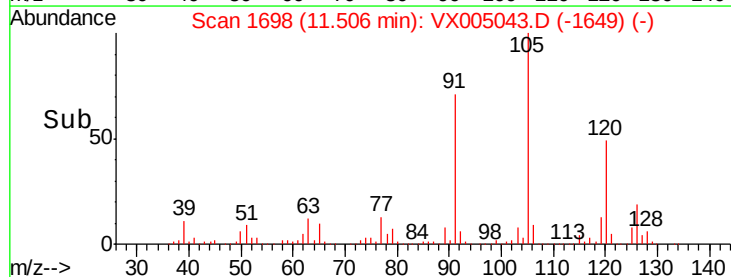
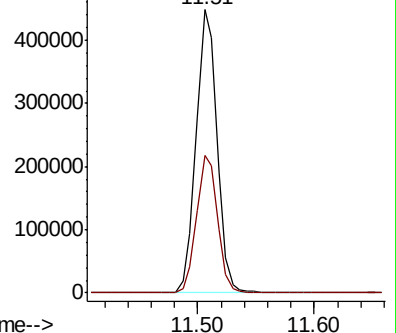
105 100

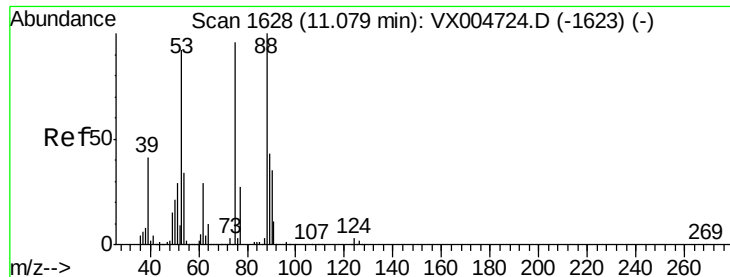
120 49.0 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

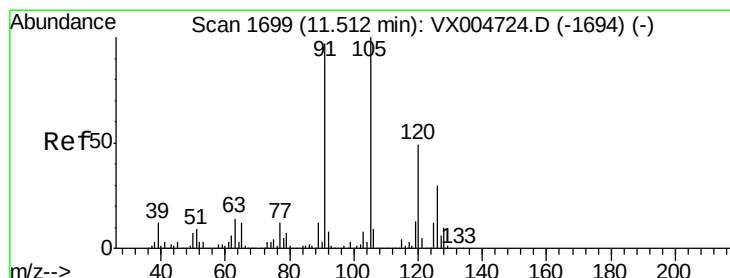
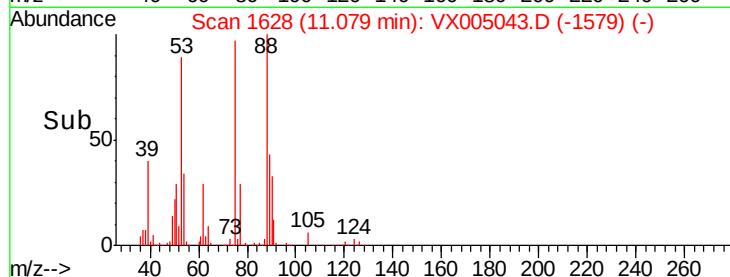
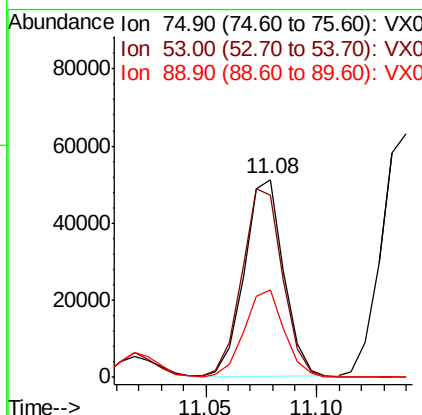
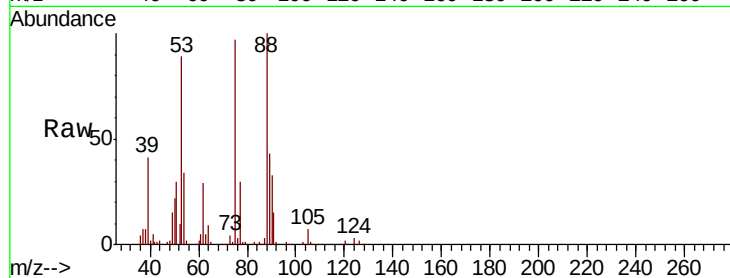




#81
trans-1,4-Dichloro-2-butene
Concen: 41.642 ug/l
RT: 11.08 min Scan# 1628
Delta R.T. 0.00 min
Lab File: VX005043.D
Acq: 05 Oct 2018 02:43

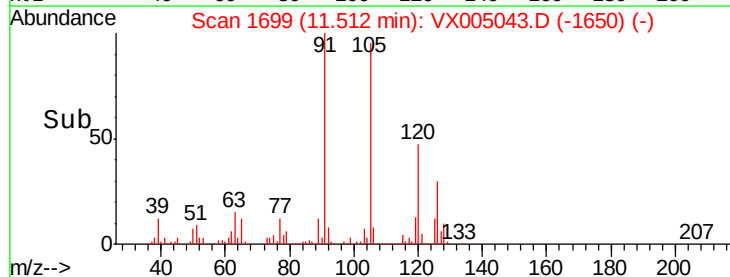
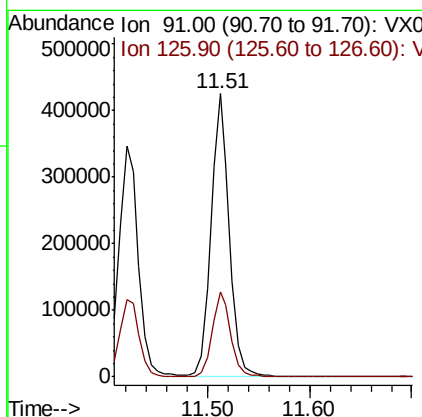
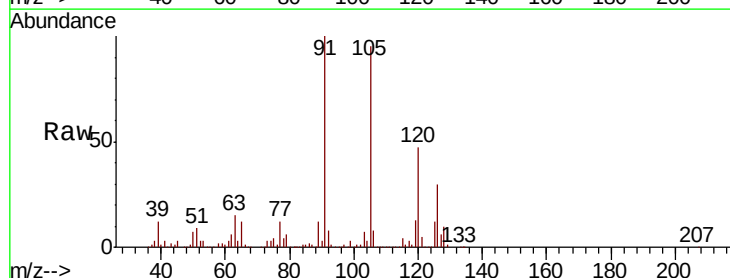
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

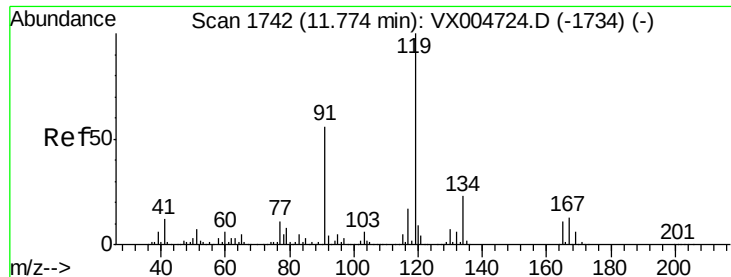
Tot Ion: 75 Resp: 62891
Ion Ratio Lower Upper
75 100
53 99.1 80.2 120.4
89 45.2 37.1 55.7



#82
4-Chlorotoluene
Concen: 54.222 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX005043.D
Acq: 05 Oct 2018 02:43

Tgt Ion: 91 Resp: 533156
Ion Ratio Lower Upper
91 100
126 30.6 15.5 46.5

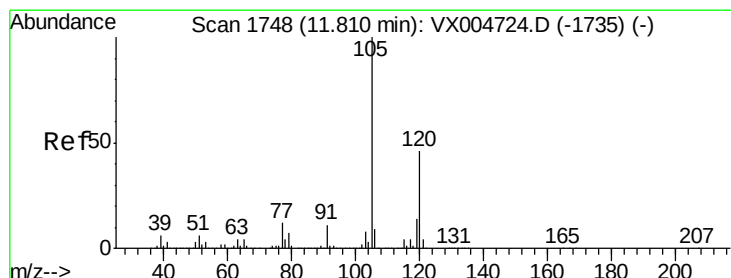
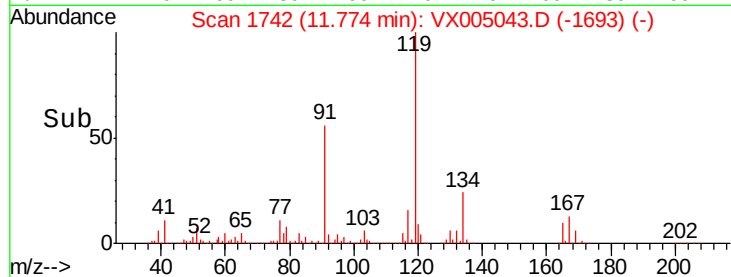
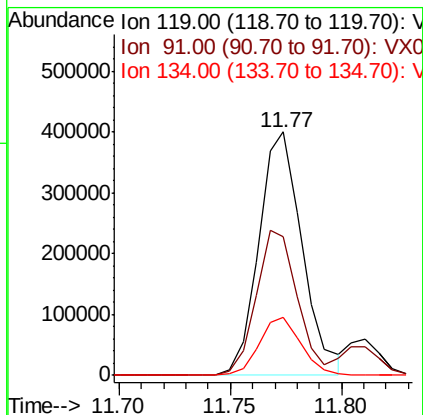
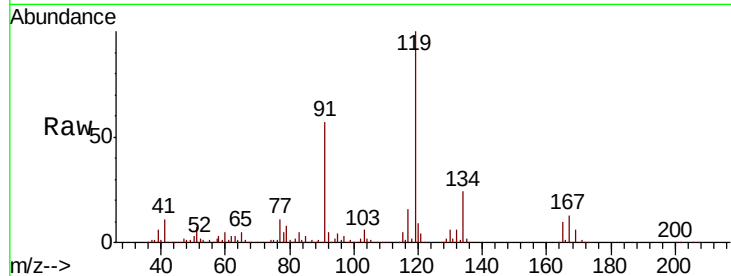




#83
 tert-Butylbenzene
 Concen: 56.367 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VX005043.D
 Acq: 05 Oct 2018 02:43

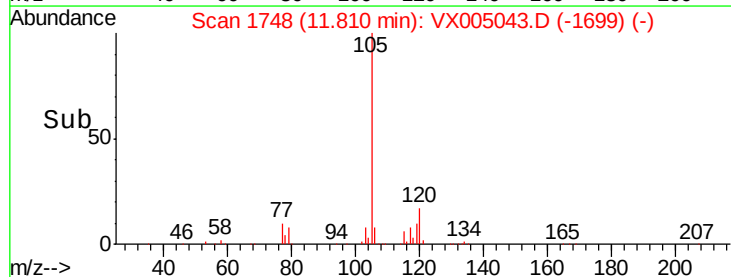
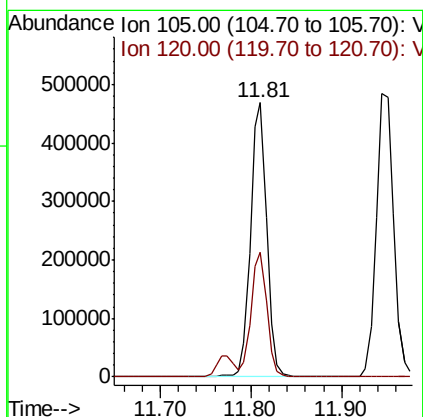
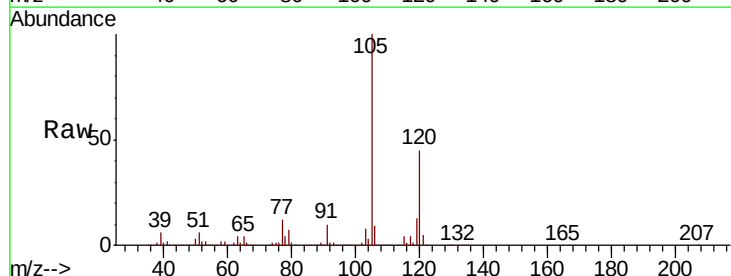
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

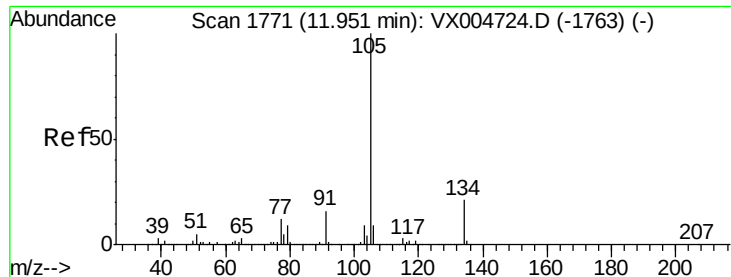
Tot Ion:119 Resp: 542089
 Ion Ratio Lower Upper
 119 100
 91 56.4 27.5 82.5
 134 22.9 11.5 34.4



#84
 1,2,4-Trimethylbenzene
 Concen: 52.269 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.00 min
 Lab File: VX005043.D
 Acq: 05 Oct 2018 02:43

Tgt Ion:105 Resp: 576980
 Ion Ratio Lower Upper
 105 100
 120 44.5 22.8 68.3





#85

sec-Butylbenzene

Concen: 54.798 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX005043.D

Acq: 05 Oct 2018 02:43

Instrument :

MSVOA_X

ClientSampleId :

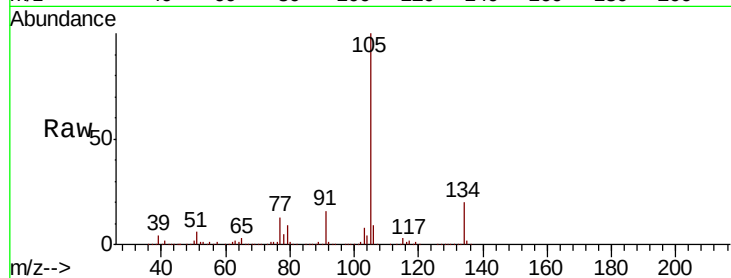
VSTDCCC050

Tot Ion:105 Resp: 641911

Ion Ratio Lower Upper

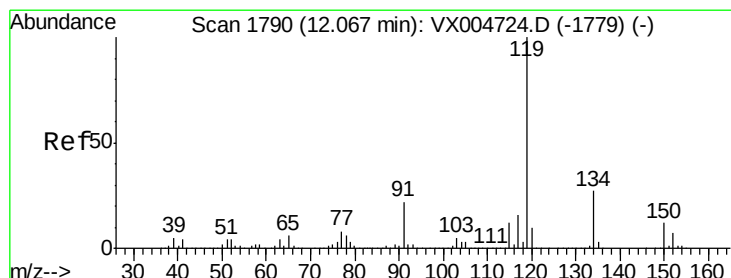
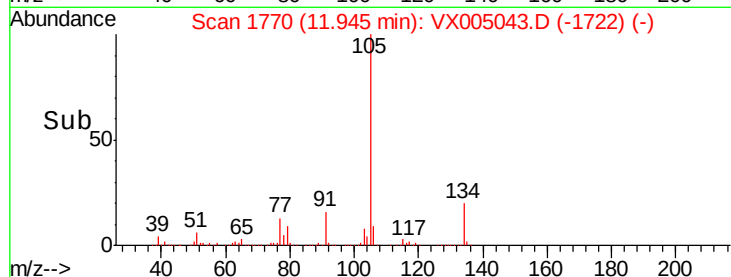
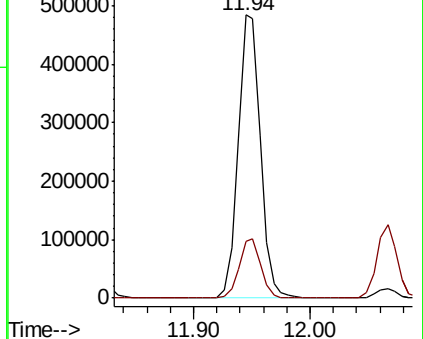
105 100

134 20.5 10.2 30.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 54.540 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX005043.D

Acq: 05 Oct 2018 02:43

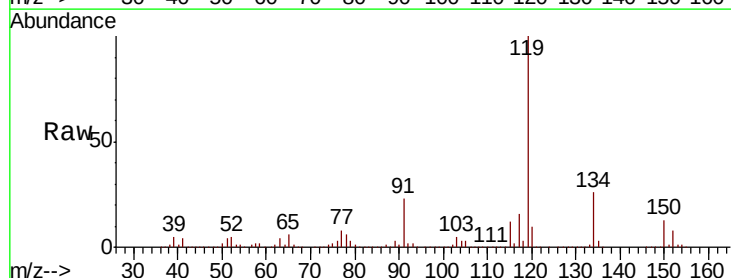
Tgt Ion:119 Resp: 578826

Ion Ratio Lower Upper

119 100

134 26.3 13.4 40.1

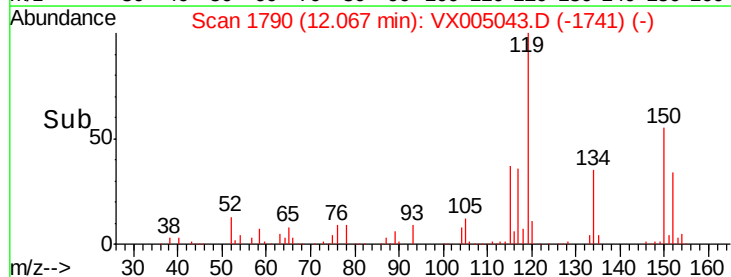
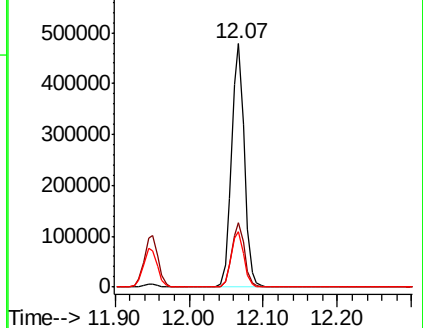
91 22.8 11.5 34.4

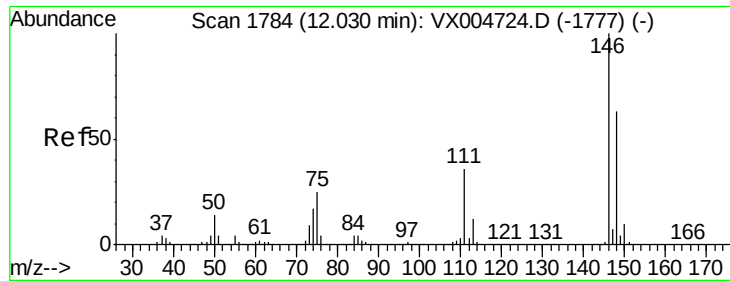


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

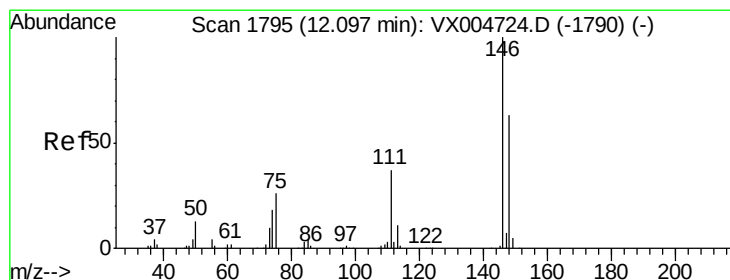
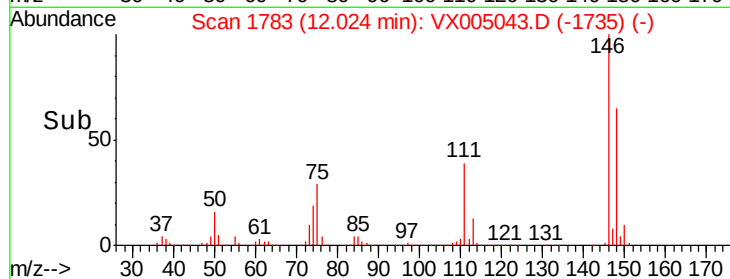
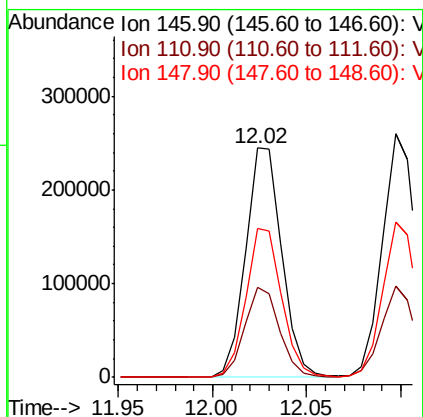
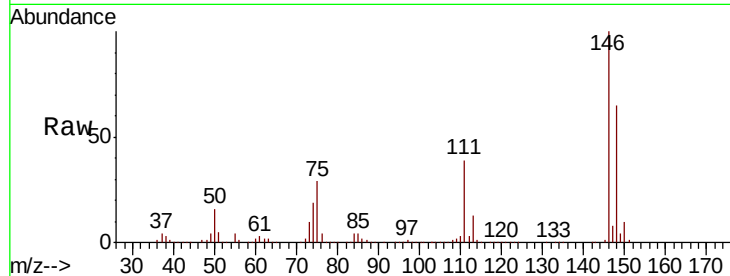




#87
 1,3-Dichlorobenzene
 Concen: 51.521 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.01 min
 Lab File: VX005043.D
 Acq: 05 Oct 2018 02:43

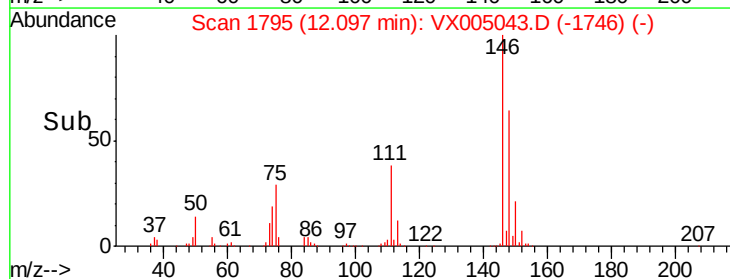
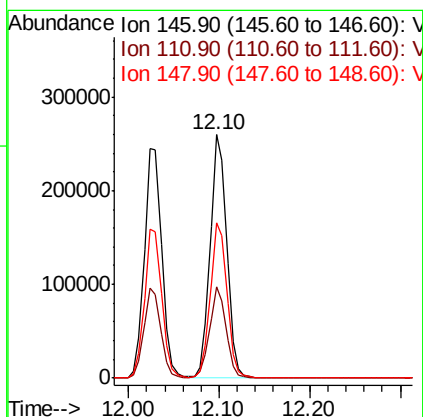
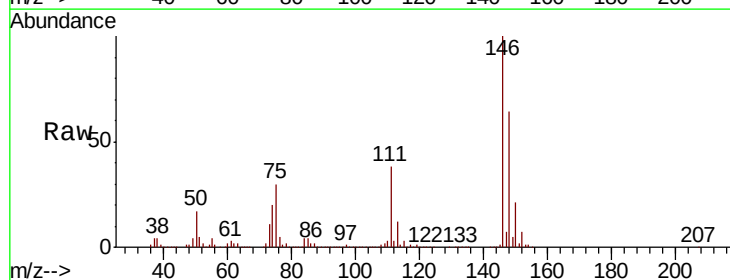
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

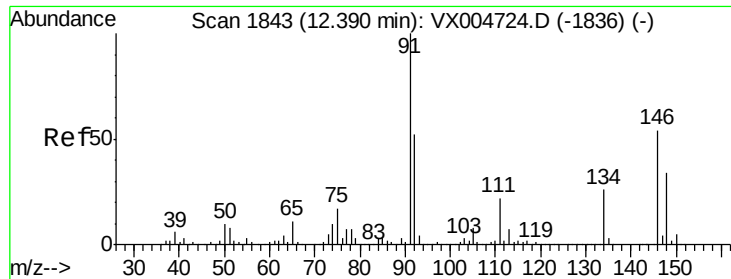
Tot Ion:146 Resp: 326398
 Ion Ratio Lower Upper
 146 100
 111 38.0 18.9 56.9
 148 64.1 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 50.703 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX005043.D
 Acq: 05 Oct 2018 02:43

Tgt Ion:146 Resp: 331591
 Ion Ratio Lower Upper
 146 100
 111 36.9 18.4 55.2
 148 64.0 32.0 96.0





#89

n-Butylbenzene

Concen: 52.699 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX005043.D

Acq: 05 Oct 2018 02:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

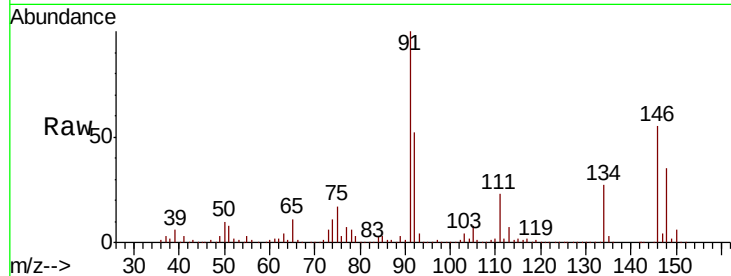
Tot Ion: 91 Resp: 507945

Ion Ratio Lower Upper

91 100

92 52.4 26.0 78.0

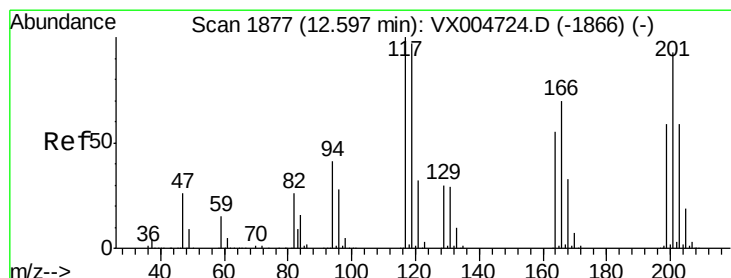
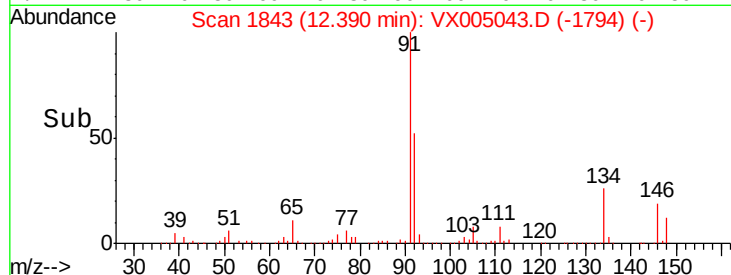
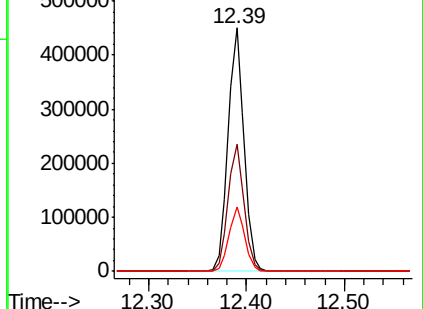
134 26.4 13.2 39.6



Abundance Ion 91.00 (90.70 to 91.70): VX004724.D (-1836) (-)

Ion 92.00 (91.70 to 92.70): VX004724.D (-1836) (-)

Ion 134.00 (133.70 to 134.70): VX004724.D (-1836) (-)



#90

Hexachloroethane

Concen: 52.258 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX005043.D

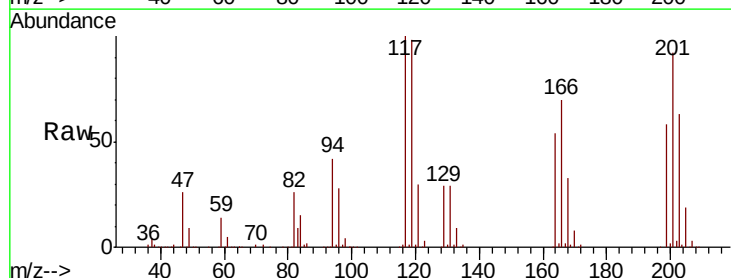
Acq: 05 Oct 2018 02:43

Tgt Ion: 117 Resp: 92341

Ion Ratio Lower Upper

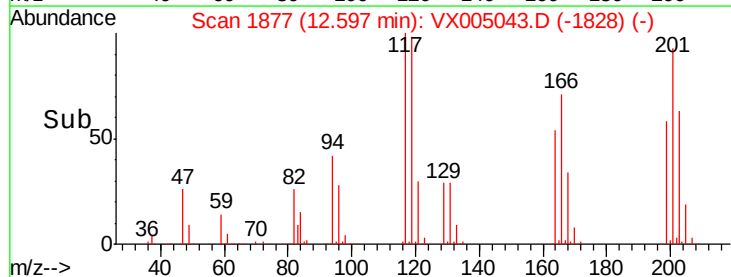
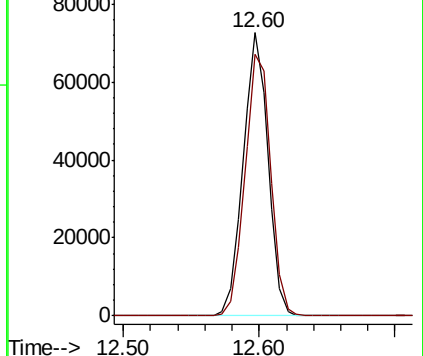
117 100

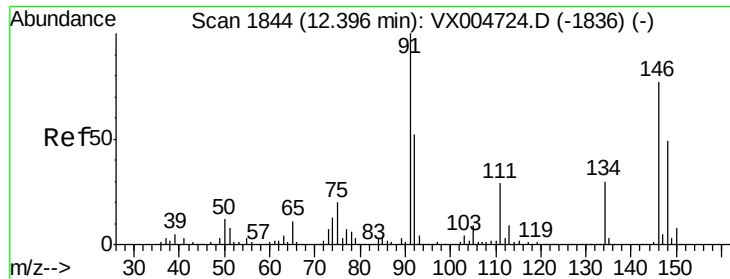
201 95.8 48.4 145.0



Abundance Ion 116.80 (116.50 to 117.50): VX004724.D (-1866) (-)

Ion 200.70 (200.40 to 201.40): VX004724.D (-1866) (-)





#91

1,2-Dichlorobenzene

Concen: 50.304 ug/l

RT: 12.40 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VX005043.D

Acq: 05 Oct 2018 02:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

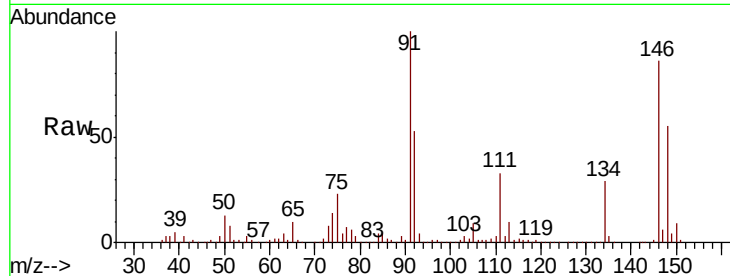
Tot Ion:146 Resp: 333042

Ion Ratio Lower Upper

146 100

111 39.6 19.6 58.7

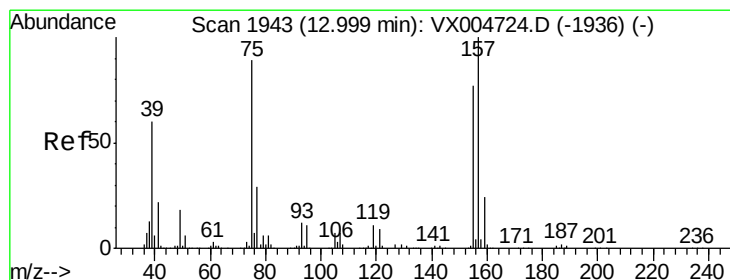
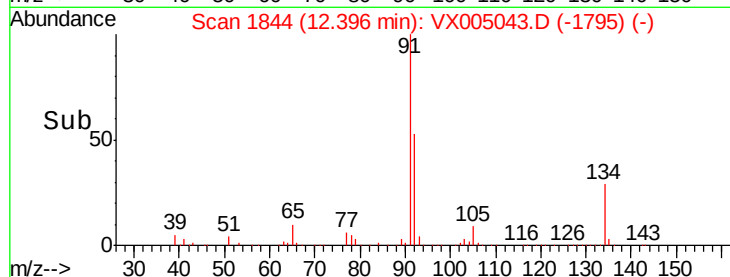
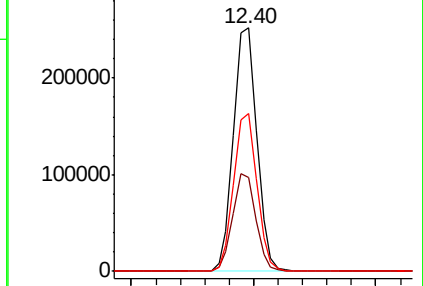
148 64.3 31.8 95.4



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 53.915 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX005043.D

Acq: 05 Oct 2018 02:43

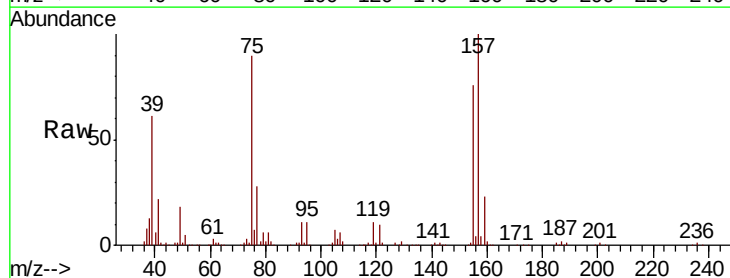
Tgt Ion: 75 Resp: 56288

Ion Ratio Lower Upper

75 100

155 92.4 46.1 138.3

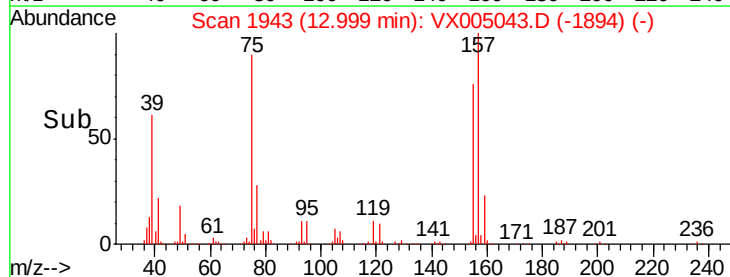
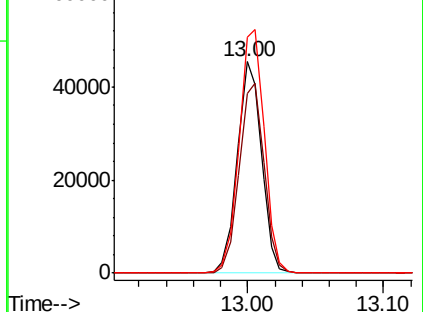
157 119.7 60.2 180.6

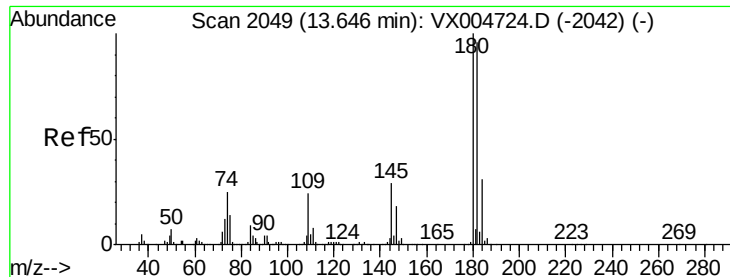


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

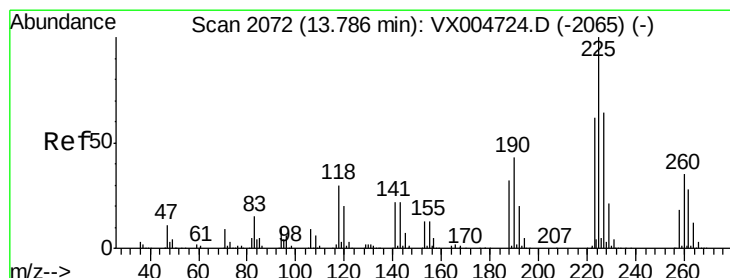
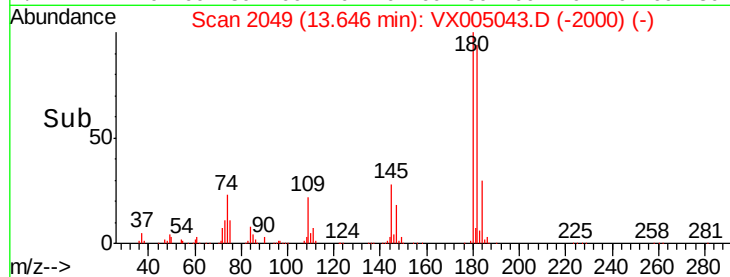
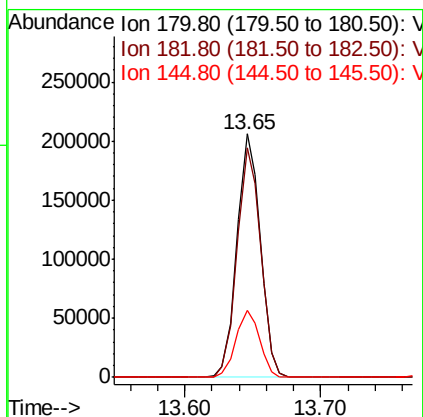
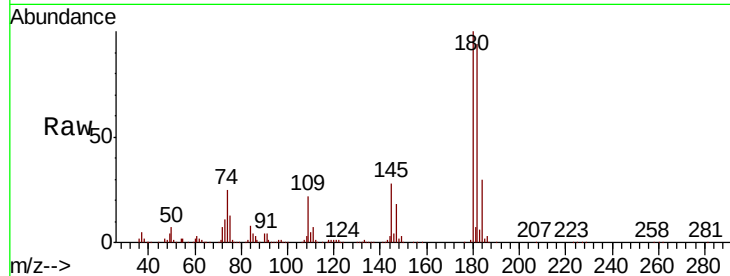




#93
 1,2,4-Trichlorobenzene
 Concen: 52.955 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX005043.D
 Acq: 05 Oct 2018 02:43

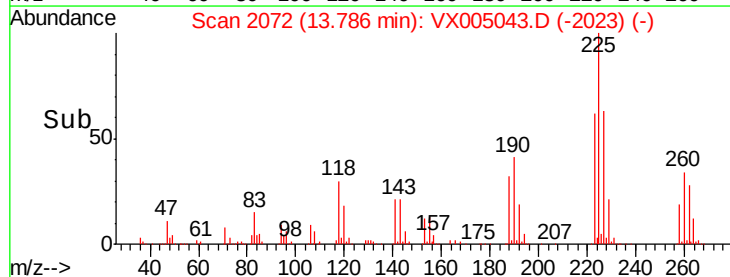
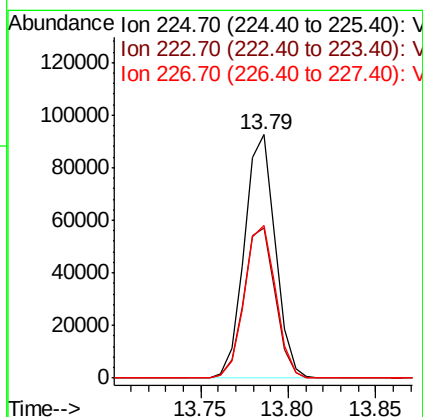
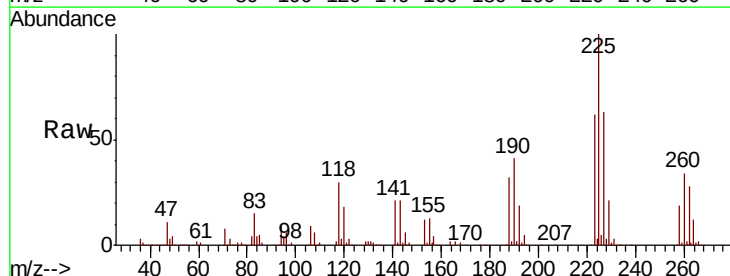
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

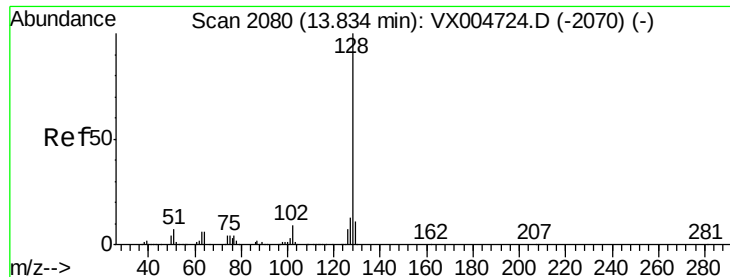
Tot Ion:180 Resp: 245937
 Ion Ratio Lower Upper
 180 100
 182 95.2 47.8 143.4
 145 27.9 14.1 42.4



#94
 Hexachlorobutadiene
 Concen: 47.048 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VX005043.D
 Acq: 05 Oct 2018 02:43

Tgt Ion:225 Resp: 113305
 Ion Ratio Lower Upper
 225 100
 223 62.6 31.3 93.8
 227 63.7 31.9 95.5





#95

Naphthalene

Concen: 52.361 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX005043.D

Acq: 05 Oct 2018 02:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

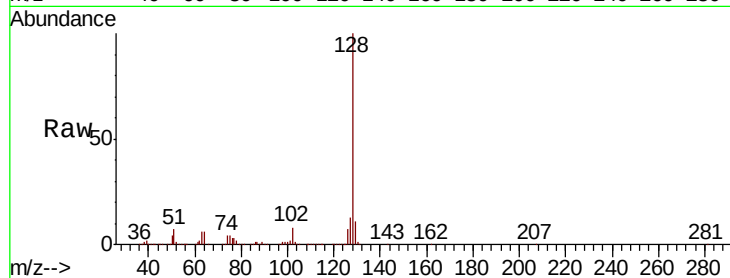
Tot Ion:128 Resp: 807663

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

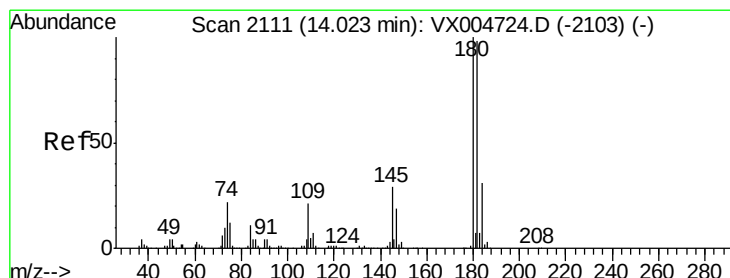
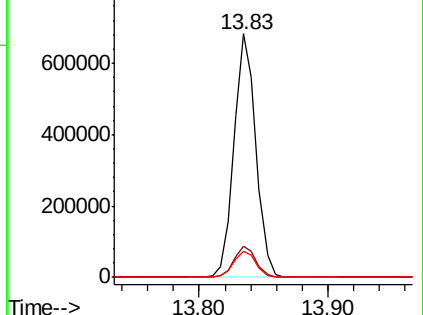
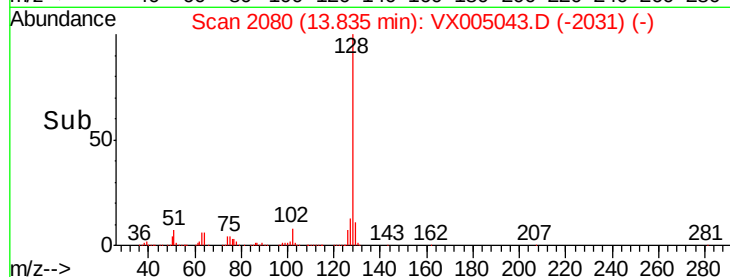
129 10.8 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 52.680 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VX005043.D

Acq: 05 Oct 2018 02:43

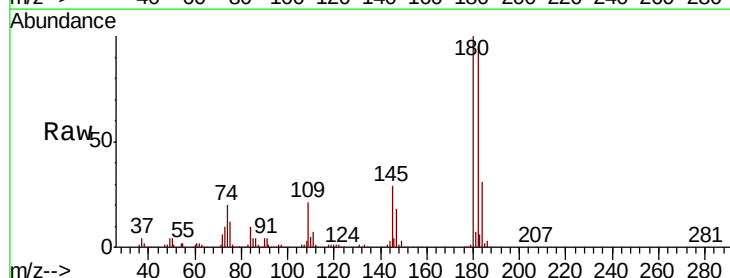
Tgt Ion:180 Resp: 252736

Ion Ratio Lower Upper

180 100

182 95.6 47.9 143.8

145 29.7 15.0 45.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

