

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092618\
 Data File : VX004761.D
 Acq On : 27 Sep 2018 08:38
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Sep 27 09:00:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 26 14:17:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	301691	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.87	114	457824	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	418038	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	248649	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	208338	48.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.68%	
35) Dibromofluoromethane	5.51	113	173627	44.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.50%	
50) Toluene-d8	8.72	98	650313	50.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.82%	
62) 4-Bromofluorobenzene	11.14	95	239969	51.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.28%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	252406	61.361	ug/l	90
3) Chloromethane	1.33	50	247144	49.522	ug/l	99
4) Vinyl Chloride	1.41	62	250356	53.487	ug/l	95
5) Bromomethane	1.64	94	115522	41.620	ug/l	100
6) Chloroethane	1.72	64	152554	60.283	ug/l	98
7) Trichlorofluoromethane	1.93	101	308835	53.296	ug/l	96
8) Diethyl Ether	2.19	74	133506	53.034	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.39	101	177067	53.643	ug/l	96
10) Methyl Iodide	2.51	142	150081	33.978	ug/l	99
11) Tert butyl alcohol	3.07	59	302027	250.640	ug/l	99
12) 1,1-Dichloroethene	2.37	96	180001	55.064	ug/l	91
13) Acrolein	2.30	56	103109	120.262	ug/l	95
14) Allyl chloride	2.73	41	360680	50.569	ug/l	93
15) Acrylonitrile	3.15	53	684784	258.145	ug/l	98
16) Acetone	2.45	43	590240	234.589	ug/l	100
17) Carbon Disulfide	2.57	76	526849	53.636	ug/l	99
18) Methyl Acetate	2.78	43	330638	51.867	ug/l	96
19) Methyl tert-butyl Ether	3.20	73	623096	55.260	ug/l	96
20) Methylene Chloride	2.86	84	198459	54.322	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	185503	51.839	ug/l	84
22) Diisopropyl ether	3.87	45	691600	57.583	ug/l	93
23) Vinyl Acetate	3.82	43	2924486	266.009	ug/l	99
24) 1,1-Dichloroethane	3.69	63	361885	50.511	ug/l	96
25) 2-Butanone	4.70	43	924561	249.292	ug/l	92
26) 2,2-Dichloropropane	4.59	77	157106	31.491	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	208269	52.099	ug/l	97
28) Bromochloromethane	5.02	49	167135	49.539	ug/l	93
29) Tetrahydrofuran	5.16	42	631398	273.911	ug/l	94
30) Chloroform	5.21	83	338665	50.016	ug/l	97
31) Cyclohexane	5.57	56	329718	60.130	ug/l	89
32) 1,1,1-Trichloroethane	5.50	97	290105	52.462	ug/l	99
36) 1,1-Dichloropropene	5.80	75	248055	46.857	ug/l	99
37) Ethyl Acetate	4.86	43	341754	48.633	ug/l	98
38) Carbon Tetrachloride	5.79	117	246869	44.362	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	300721	55.631	ug/l	97
40) Benzene	6.15	78	761011	45.917	ug/l	100
41) Methacrylonitrile	5.06	41	185382	47.569	ug/l	97
42) 1,2-Dichloroethane	6.20	62	262254	44.761	ug/l	98
43) Isopropyl Acetate	6.46	43	529131	52.169	ug/l	96
44) Trichloroethene	7.21	130	204996	50.314	ug/l	95
45) 1,2-Dichloropropane	7.52	63	202569	49.840	ug/l	100
46) Dibromomethane	7.66	93	128168	50.177	ug/l	98
47) Bromodichloromethane	7.90	83	243893	50.999	ug/l	99
48) Methyl methacrylate	7.78	41	253723	55.114	ug/l	95
49) 1,4-Dioxane	7.76	88	111725	976.862	ug/l	95
51) 4-Methyl-2-Pentanone	8.65	43	1695343	265.467	ug/l	97
52) Toluene	8.79	92	469558	51.560	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	261481	48.385	ug/l	100
54) cis-1,3-Dichloropropene	8.44	75	282462	49.900	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	191697	48.055	ug/l	97
56) Ethyl methacrylate	9.18	69	318172	49.200	ug/l	96
57) 1,3-Dichloropropane	9.37	76	320381	48.256	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	846930	246.605	ug/l	94
59) 2-Hexanone	9.50	43	1340517	251.892	ug/l	95
60) Dibromochloromethane	9.59	129	198802	49.832	ug/l	100
61) 1,2-Dibromoethane	9.68	107	201786	47.233	ug/l	99
64) Tetrachloroethene	9.34	164	206357	50.155	ug/l	97
65) Chlorobenzene	10.14	112	523559	48.841	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.23	131	186240	49.419	ug/l	99
67) Ethyl Benzene	10.26	91	899495	52.853	ug/l	98
68) m/p-Xylenes	10.36	106	695648	104.601	ug/l	96
69) o-Xylene	10.70	106	337849	55.309	ug/l	96
70) Styrene	10.71	104	566569	49.609	ug/l	97
71) Bromoform	10.86	173	163156	50.569	ug/l #	100
73) Isopropylbenzene	11.02	105	894114	57.049	ug/l	99
74) N-amyl acetate	10.90	43	451004	52.272	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.27	83	314170	49.244	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	346544	62.181	ug/l	89
77) Bromobenzene	11.26	156	241087	52.960	ug/l	98
78) n-propylbenzene	11.36	91	1029552	57.253	ug/l	100
79) 2-Chlorotoluene	11.42	91	609425	54.370	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	761398	53.017	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.08	75	80912	40.010	ug/l	96
82) 4-Chlorotoluene	11.51	91	720372	54.601	ug/l	99
83) tert-Butylbenzene	11.77	119	732484	56.765	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	780277	52.683	ug/l	98
85) sec-Butylbenzene	11.94	105	897694	57.115	ug/l	99
86) p-Isopropyltoluene	12.07	119	806730	56.653	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	439122	51.659	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	443816	50.578	ug/l	99
89) n-Butylbenzene	12.39	91	717331	55.467	ug/l	98
90) Hexachloroethane	12.60	117	124329	52.439	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	443949	49.976	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	72146	51.503	ug/l	99

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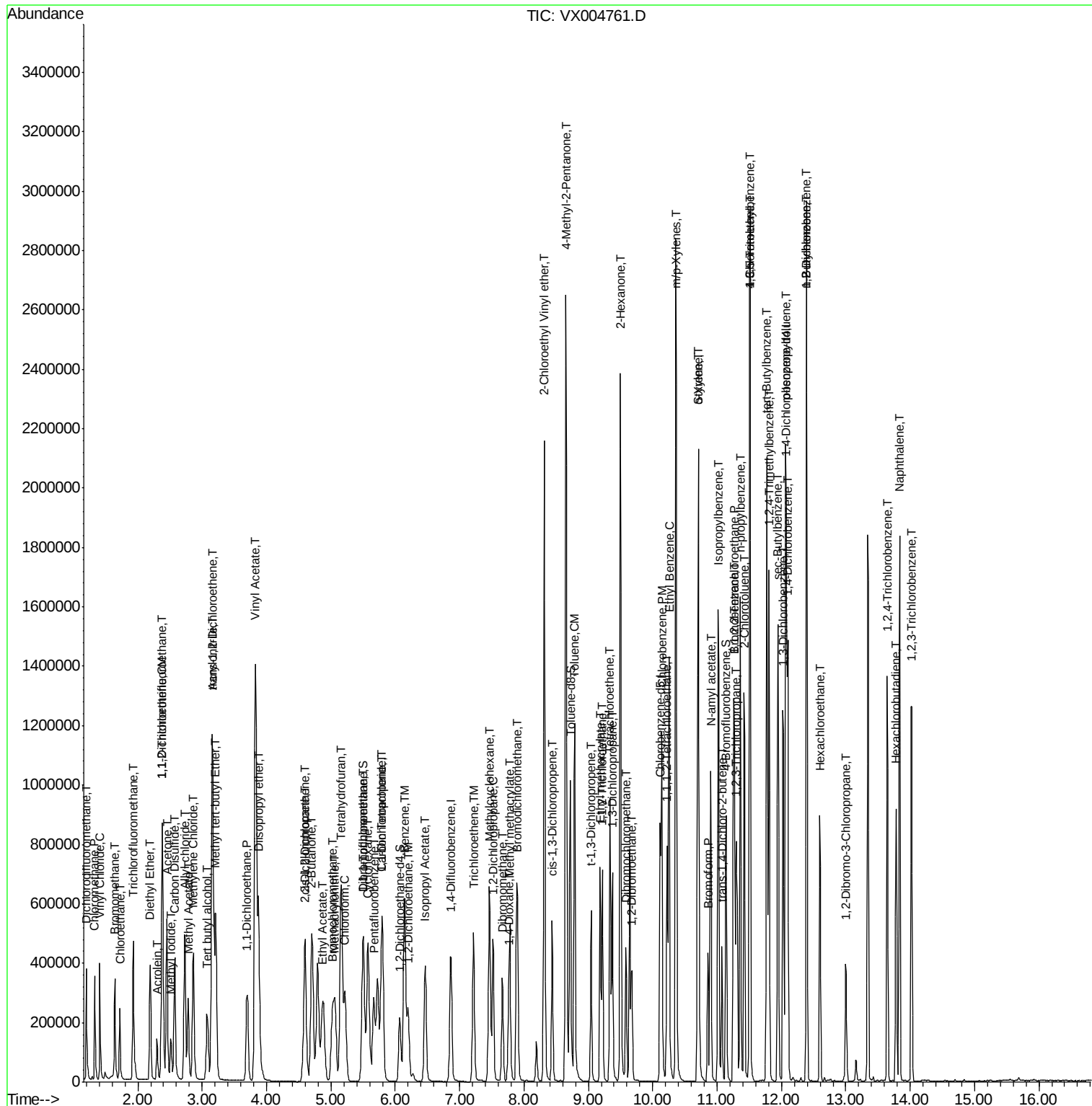
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

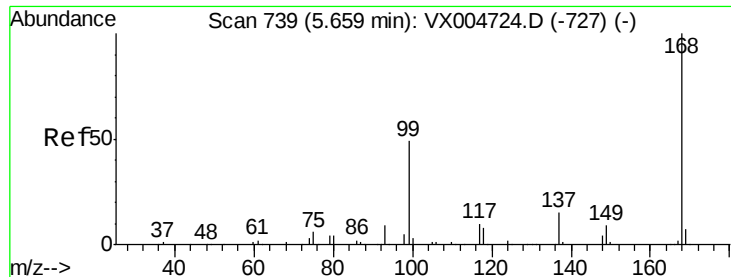
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Quant Title : SW846 8260
QLast Update : Wed Sep 26 14:17:02 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	335159	53.785	ug/l	99
94) Hexachlorobutadiene	13.79	225	153336	47.453	ug/l	96
95) Naphthalene	13.83	128	1086917	52.515	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	341553	53.060	ug/l	99

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 741

Delta R.T. 0.01 min

Lab File: VX004761.D

Acq: 27 Sep 2018 08:38

Instrument :

MSVOA_X

ClientSampleId :

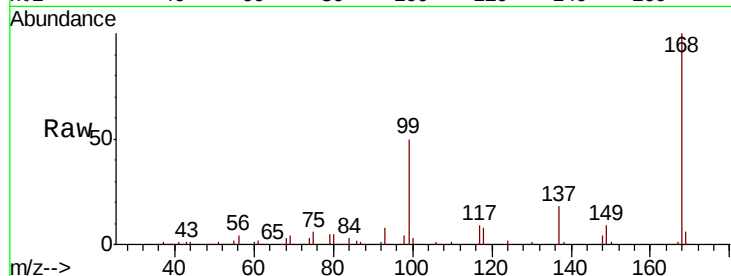
VSTDCCC050EC

Tot Ion:168 Resp: 301691

Ion Ratio Lower Upper

168 100

99 50.0 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

60000

40000

20000

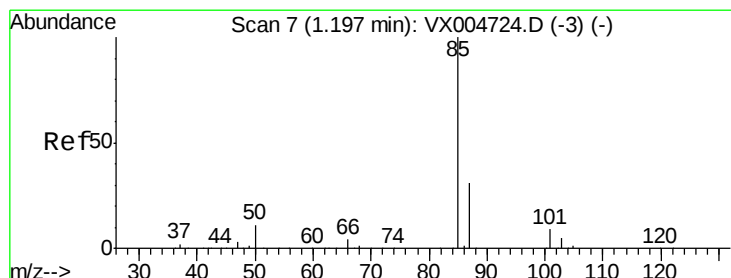
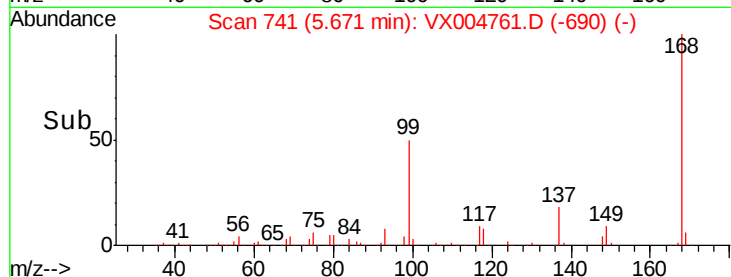
0

Time-->

5.60

5.80

6.00



#2

Dichlorodifluoromethane

Concen: 61.361 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX004761.D

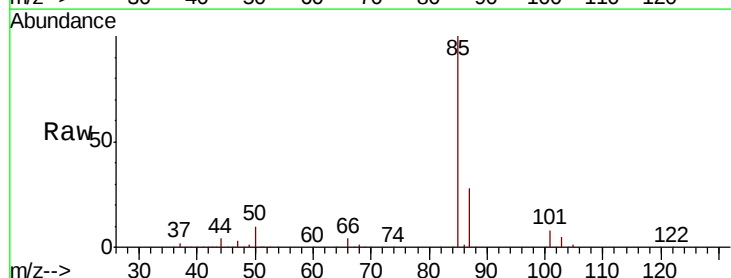
Acq: 27 Sep 2018 08:38

Tgt Ion: 85 Resp: 252406

Ion Ratio Lower Upper

85 100

87 28.1 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

250000

200000

150000

100000

50000

0

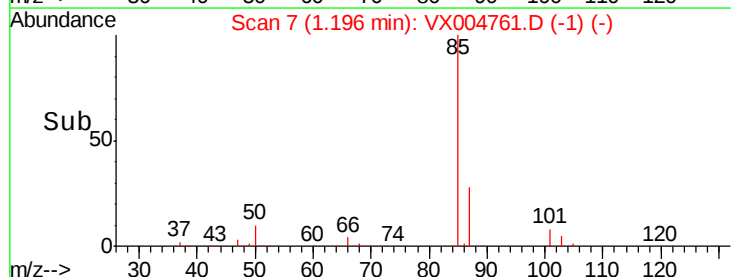
Time-->

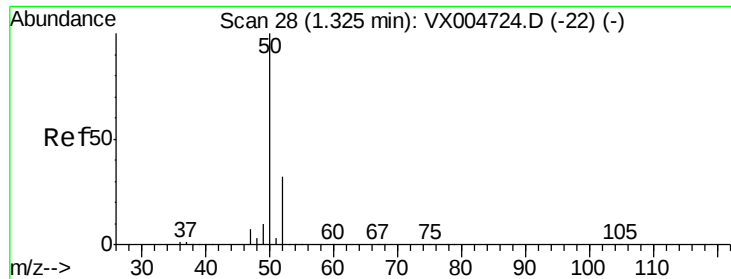
1.10

1.20

1.30

1.40





#3

Chloromethane

Concen: 49.522 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX004761.D

Acq: 27 Sep 2018 08:38

Instrument :

MSVOA_X

ClientSampleId :

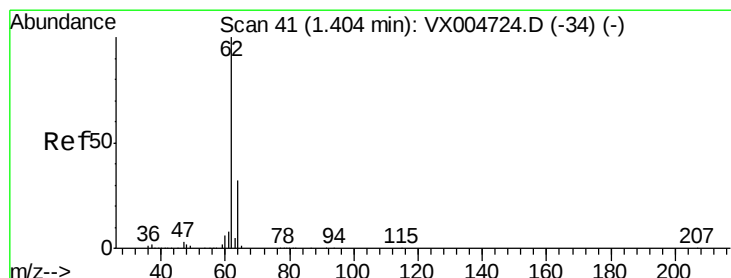
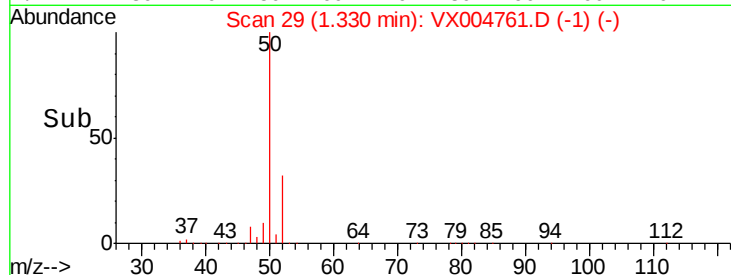
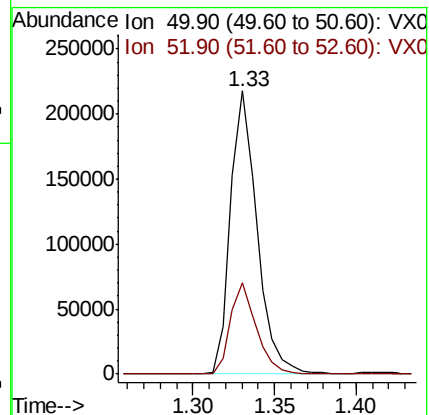
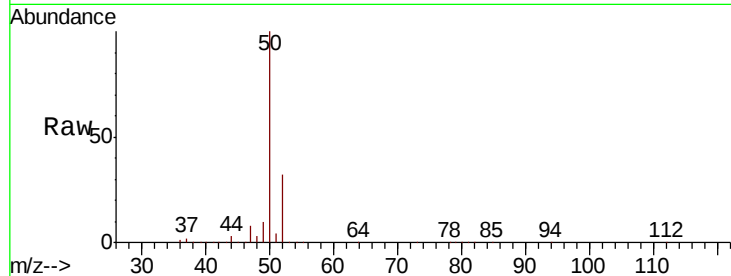
VSTDCCC050EC

Tot Ion: 50 Resp: 247144

Ion Ratio Lower Upper

50 100

52 32.1 26.2 39.2



#4

Vinyl Chloride

Concen: 53.487 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX004761.D

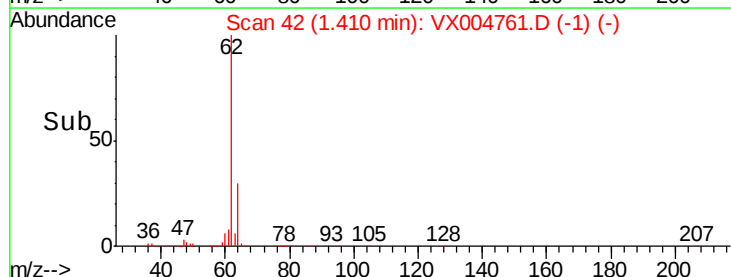
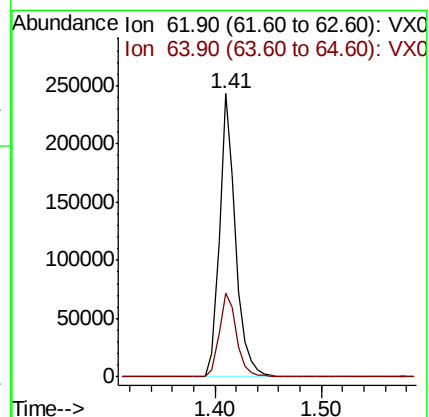
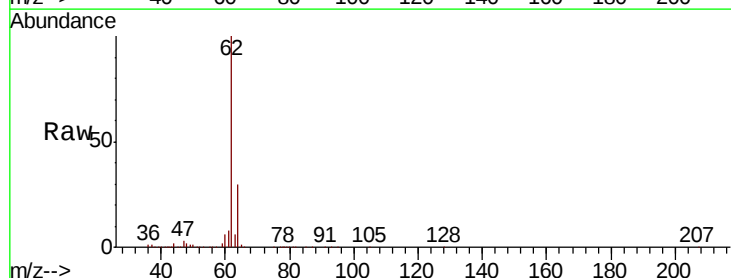
Acq: 27 Sep 2018 08:38

Tgt Ion: 62 Resp: 250356

Ion Ratio Lower Upper

62 100

64 29.7 25.8 38.8





#5

Bromomethane

Concen: 41.620 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX004761.D

Acq: 27 Sep 2018 08:38

Instrument :

MSVOA_X

ClientSampleId :

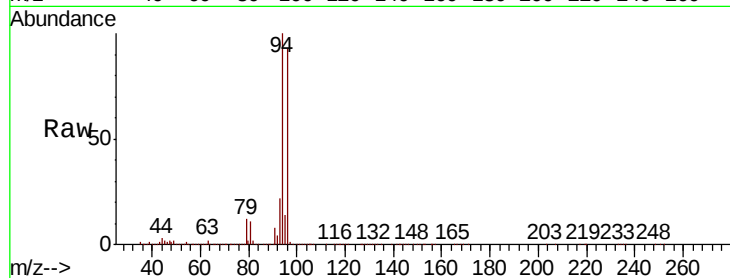
VSTDCCC050EC

Tot Ion: 94 Resp: 115522

Ion Ratio Lower Upper

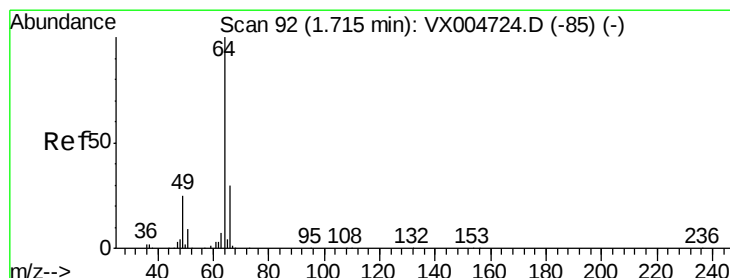
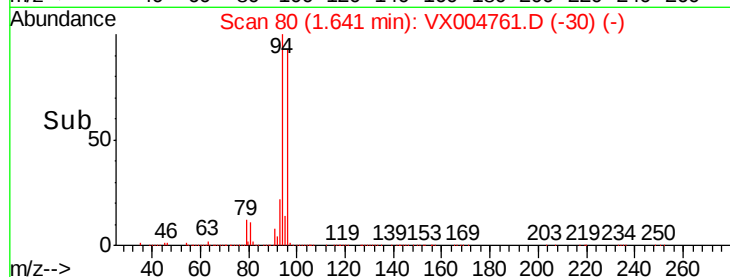
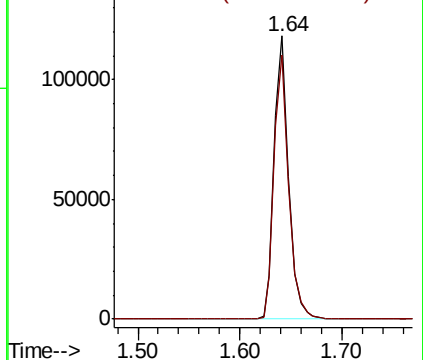
94 100

96 93.1 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 60.283 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX004761.D

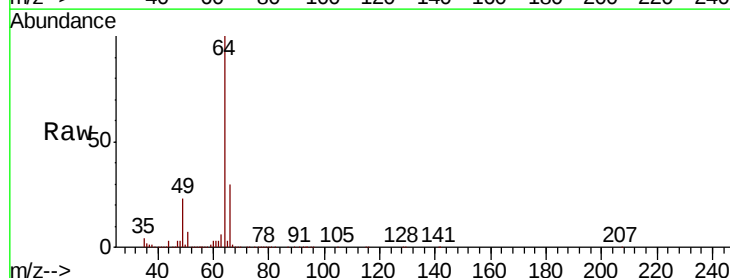
Acq: 27 Sep 2018 08:38

Tgt Ion: 64 Resp: 152554

Ion Ratio Lower Upper

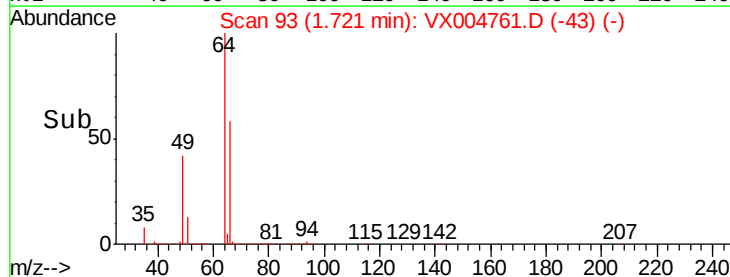
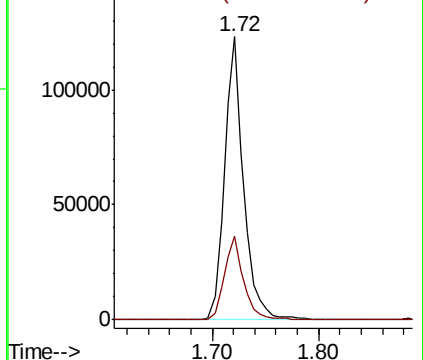
64 100

66 29.7 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



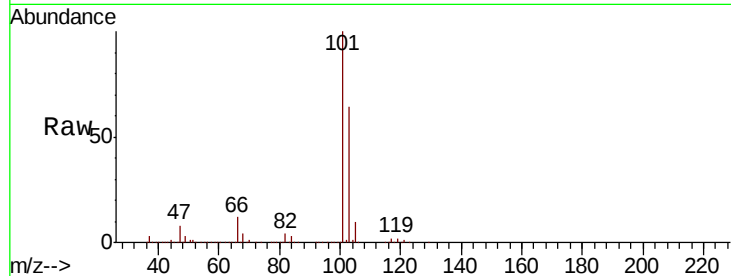


#7

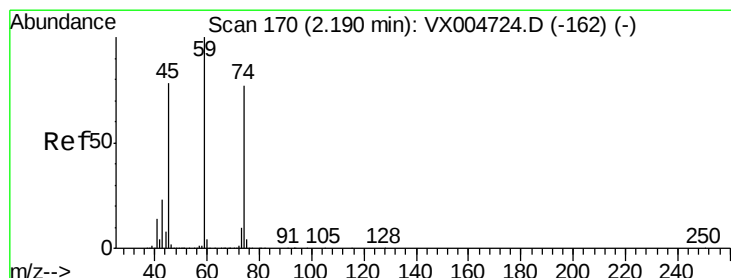
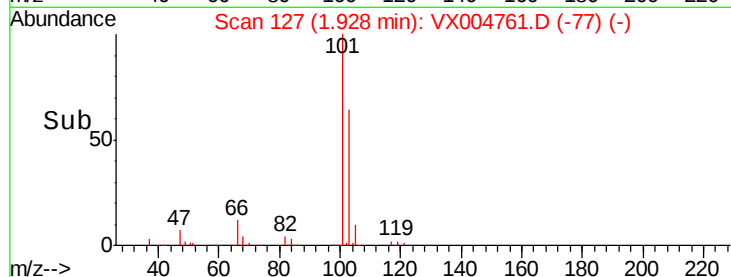
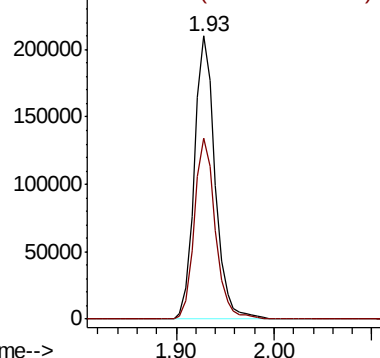
Trichlorofluoromethane
Concen: 53.296 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX004761.D
Acq: 27 Sep 2018 08:38

Instrument :
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ClientSampleId :
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Tot Ion:101 Resp: 308835
Ion Ratio Lower Upper
101 100
103 64.1 48.9 73.3



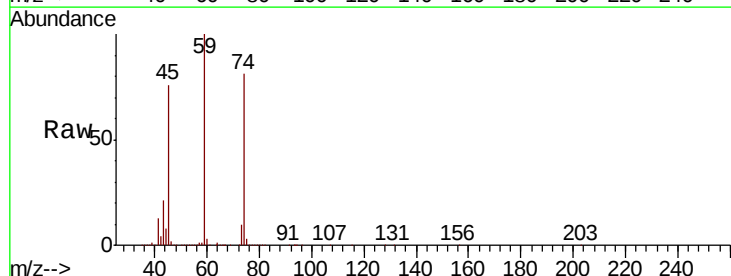
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



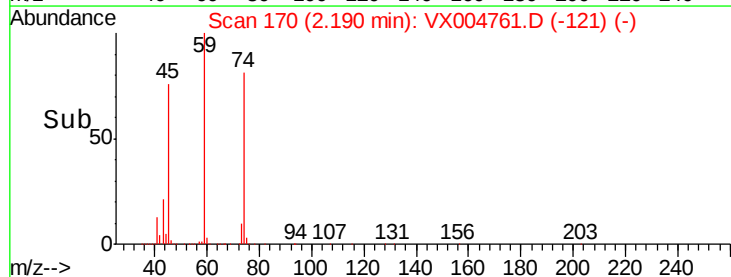
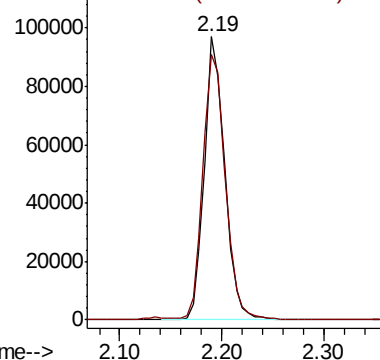
#8

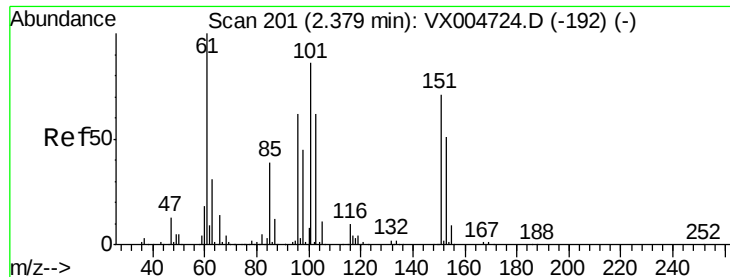
Diethyl Ether
Concen: 53.034 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX004761.D
Acq: 27 Sep 2018 08:38

Tgt Ion: 74 Resp: 133506
Ion Ratio Lower Upper
74 100
45 102.4 48.3 144.8



Abundance Ion 74.00 (73.70 to 74.70): VX0
Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.643 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX004761.D

Acq: 27 Sep 2018 08:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

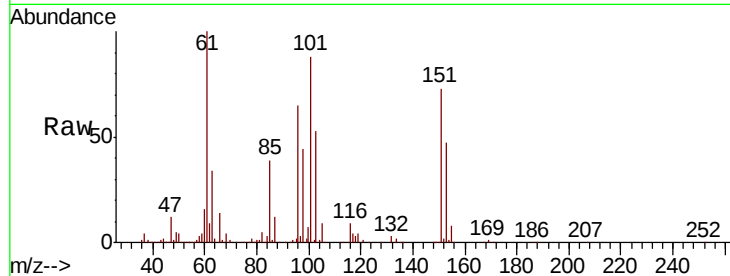
Tot Ion:101 Resp: 177067

Ion Ratio Lower Upper

101 100

85 43.3 34.2 51.4

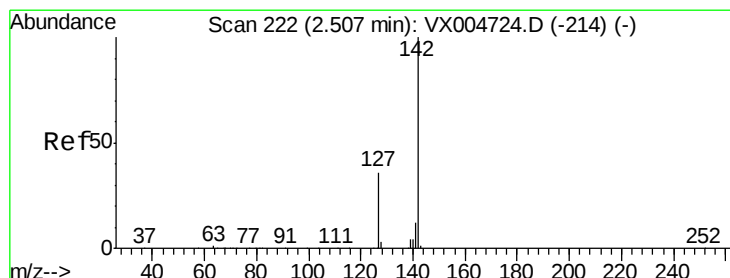
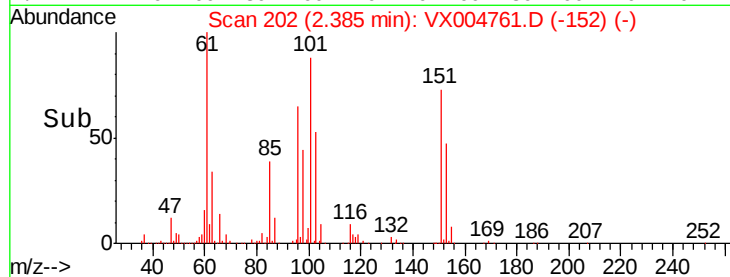
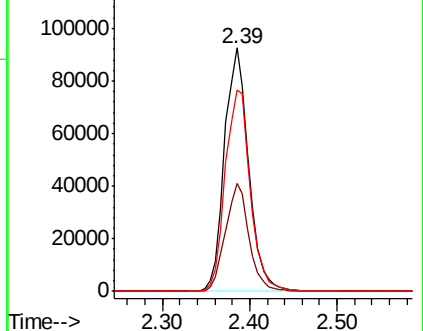
151 85.9 65.0 97.6



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: 33.978 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX004761.D

Acq: 27 Sep 2018 08:38

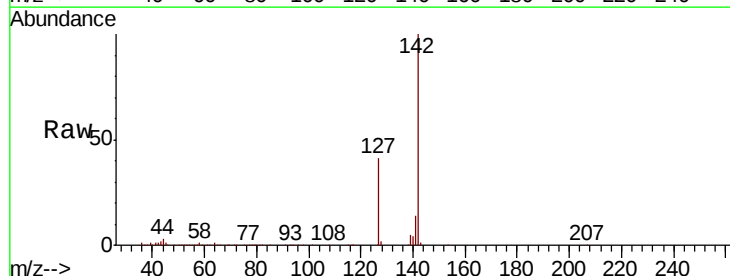
Tgt Ion:142 Resp: 150081

Ion Ratio Lower Upper

142 100

127 41.7 33.8 50.6

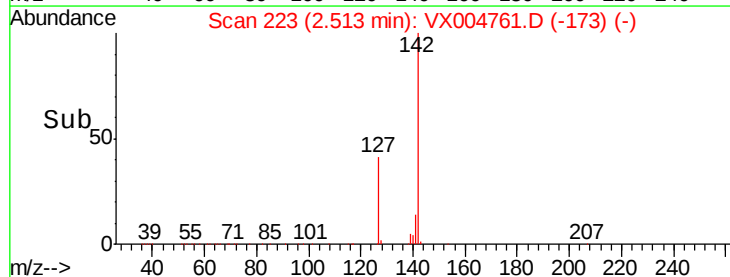
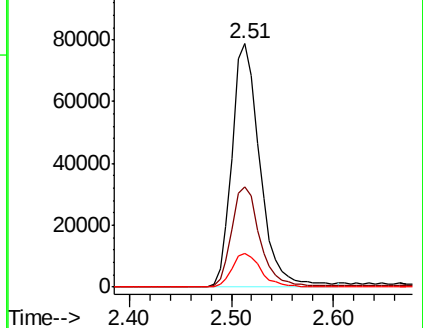
141 14.3 11.4 17.0

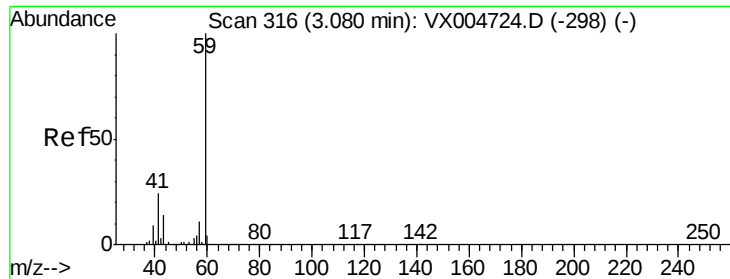


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

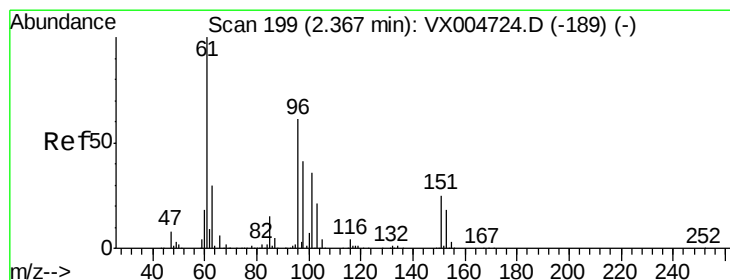
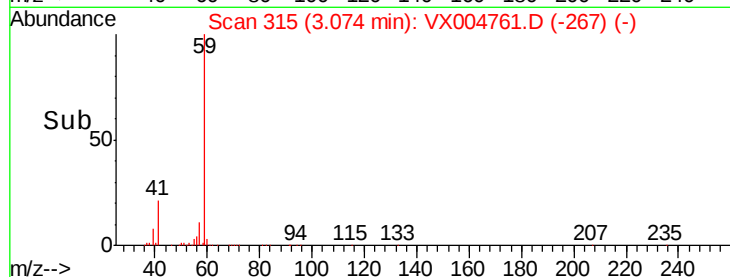
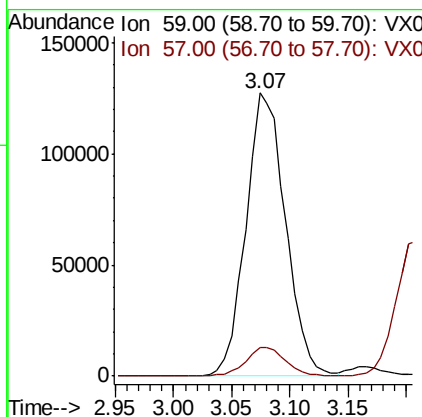
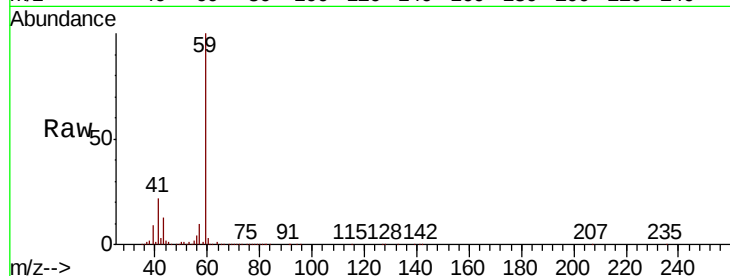




#11
Tert butyl alcohol
Concen: 250.640 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX004761.D
Acq: 27 Sep 2018 08:38

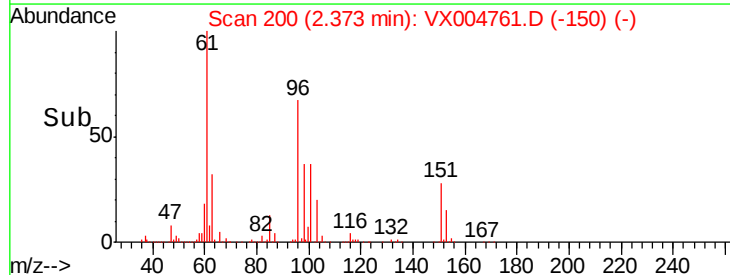
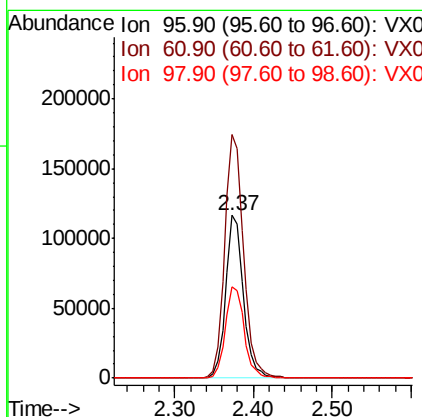
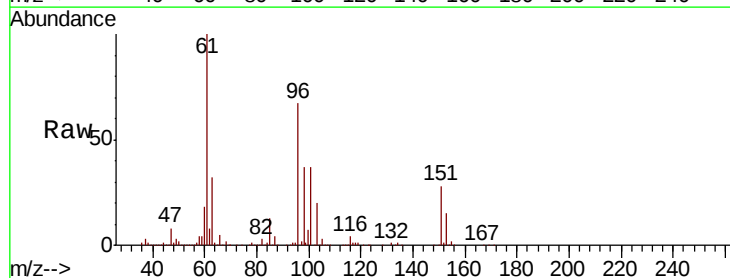
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 302027
Ion Ratio Lower Upper
59 100
57 10.0 8.2 12.4



#12
1,1-Dichloroethene
Concen: 55.064 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX004761.D
Acq: 27 Sep 2018 08:38

Tgt Ion: 96 Resp: 180001
Ion Ratio Lower Upper
96 100
61 149.8 128.8 193.2
98 56.2 52.2 78.2





#13

Acrolein

Concen: 120.262 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX004761.D

Acq: 27 Sep 2018 08:38

Instrument :

MSVOA_X

ClientSampleId :

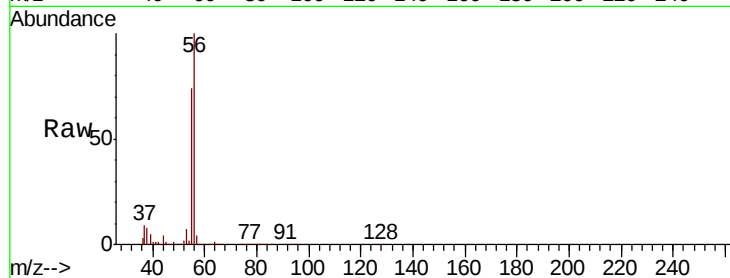
VSTDCCC050EC

Tot Ion: 56 Resp: 103109

Ion Ratio Lower Upper

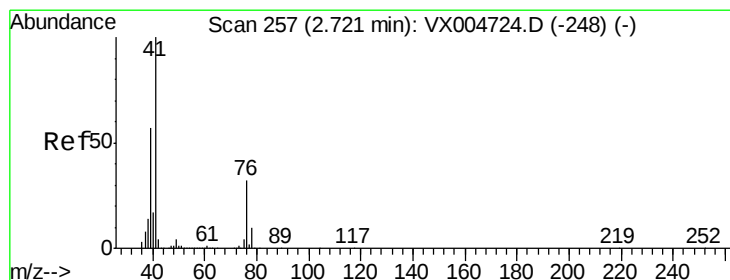
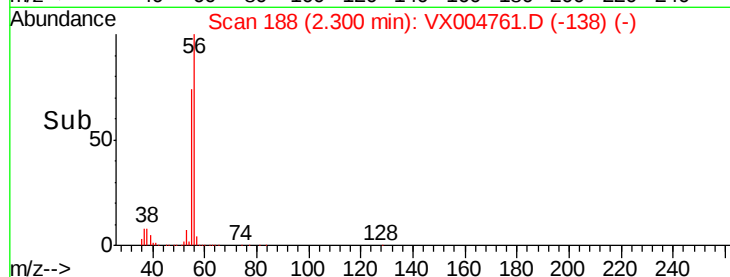
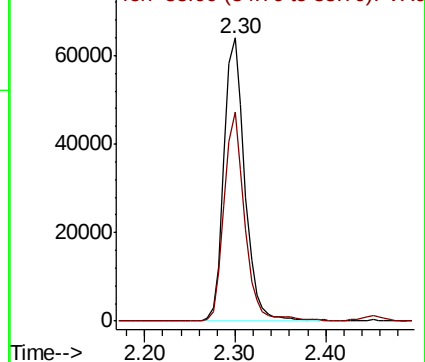
56 100

55 72.2 54.7 82.1



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 50.569 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.01 min

Lab File: VX004761.D

Acq: 27 Sep 2018 08:38

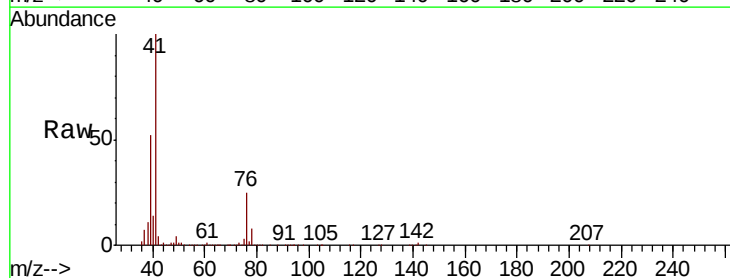
Tgt Ion: 41 Resp: 360680

Ion Ratio Lower Upper

41 100

39 56.9 48.9 73.3

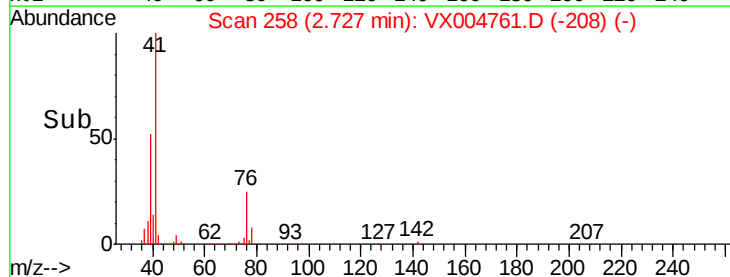
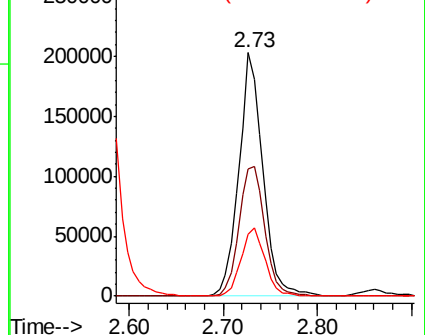
76 27.9 26.7 40.1



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 258.145 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.00 min

Lab File: VX004761.D

Acq: 27 Sep 2018 08:38

Instrument :

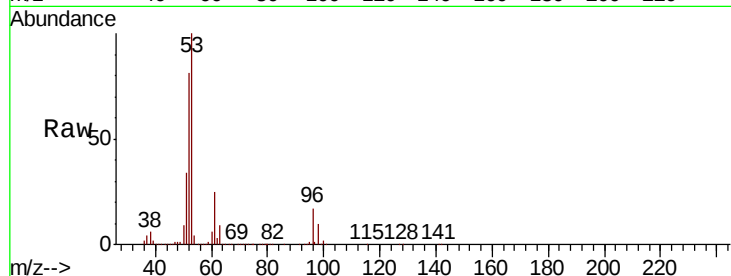
MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 53 Resp: 684784

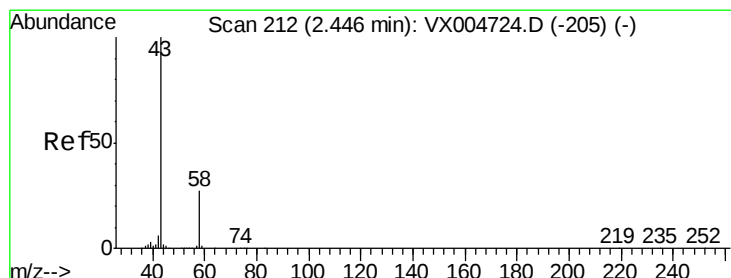
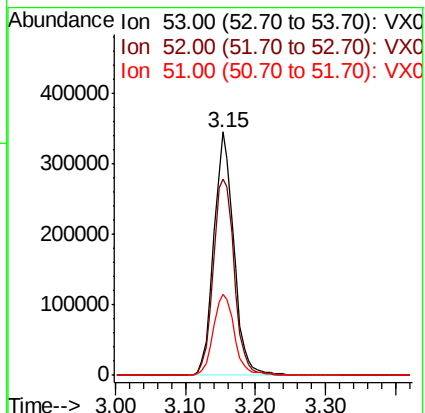
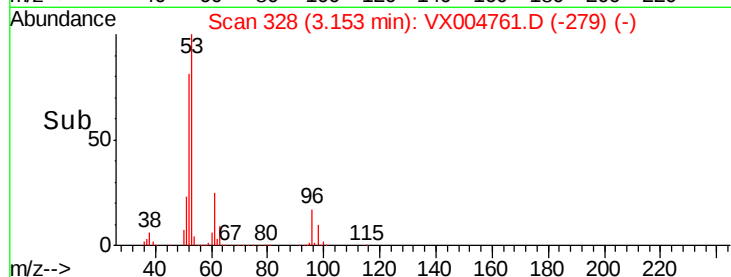
Ion	Ratio	Lower	Upper
53	100		
52	84.5	65.2	97.8
51	35.2	28.2	42.2



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: 234.589 ug/l

RT: 2.45 min Scan# 213

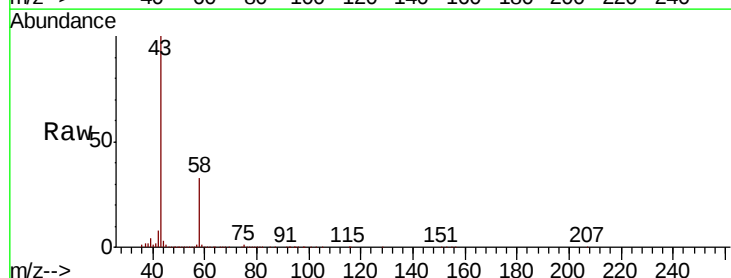
Delta R.T. 0.01 min

Lab File: VX004761.D

Acq: 27 Sep 2018 08:38

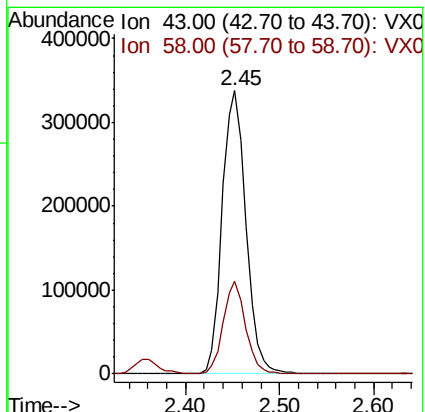
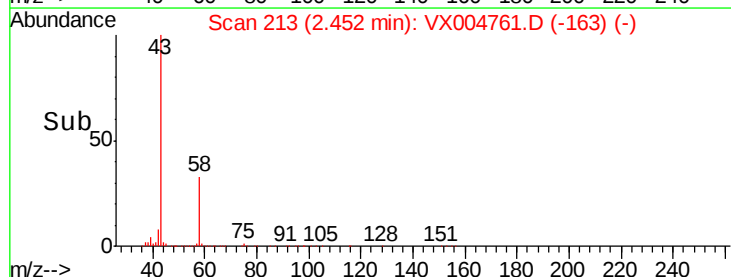
Tgt Ion: 43 Resp: 590240

Ion	Ratio	Lower	Upper
43	100		
58	32.8	26.2	39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

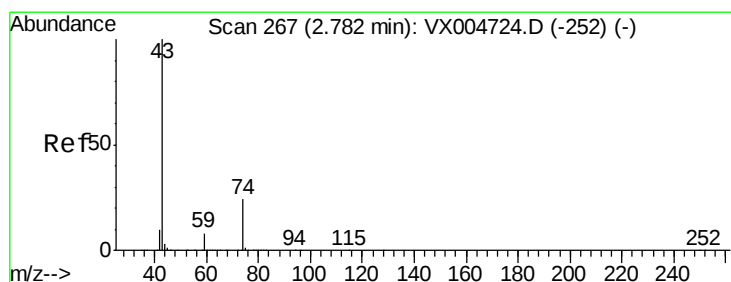
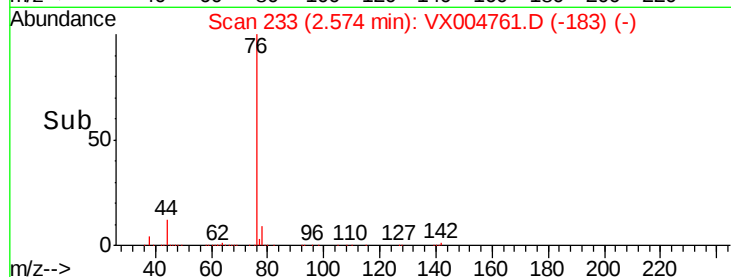
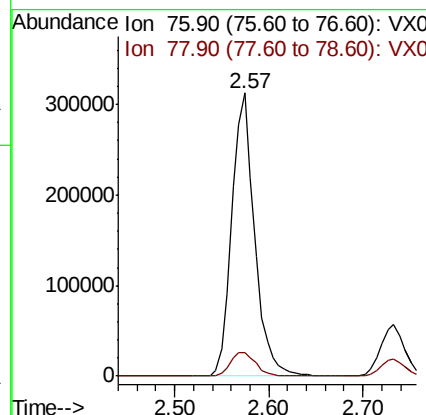
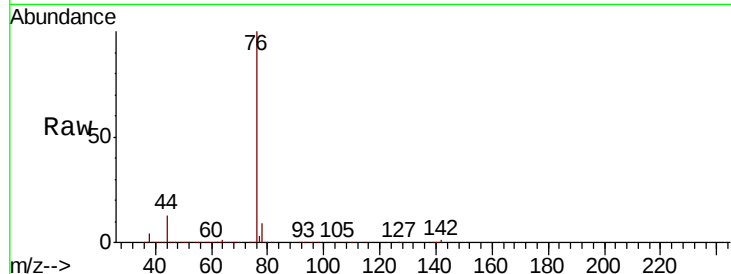




#17
Carbon Disulfide
Concen: 53.636 ug/l
RT: 2.57 min Scan# 233
Delta R.T. 0.01 min
Lab File: VX004761.D
Acq: 27 Sep 2018 08:38

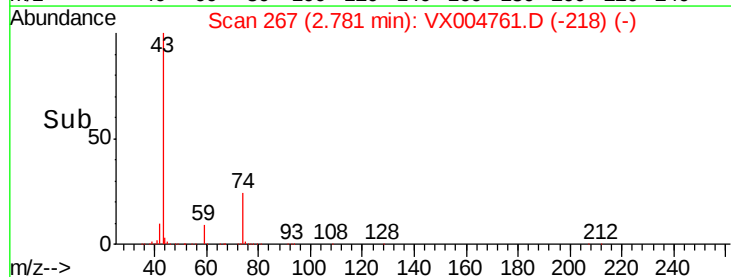
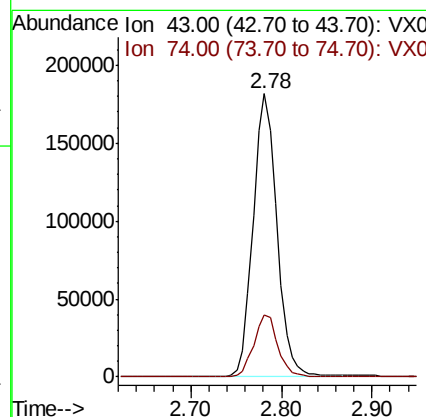
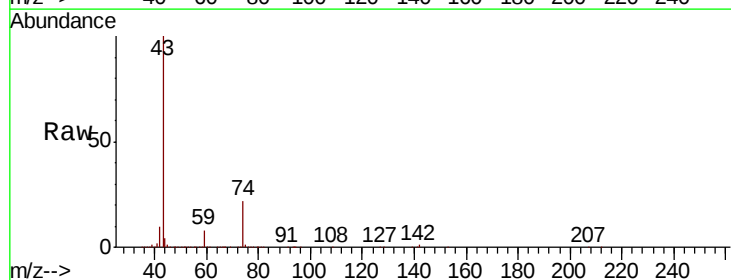
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

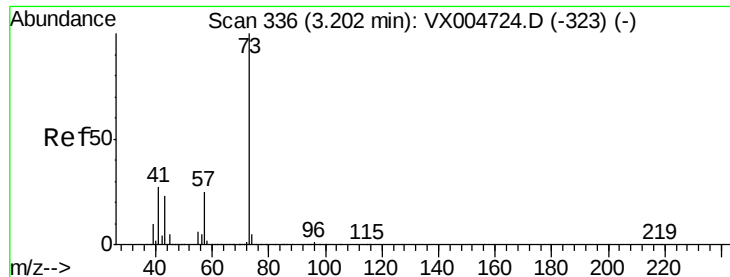
Tot Ion: 76 Resp: 526849
Ion Ratio Lower Upper
76 100
78 8.5 7.0 10.6



#18
Methyl Acetate
Concen: 51.867 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.00 min
Lab File: VX004761.D
Acq: 27 Sep 2018 08:38

Tgt Ion: 43 Resp: 330638
Ion Ratio Lower Upper
43 100
74 22.3 19.4 29.2



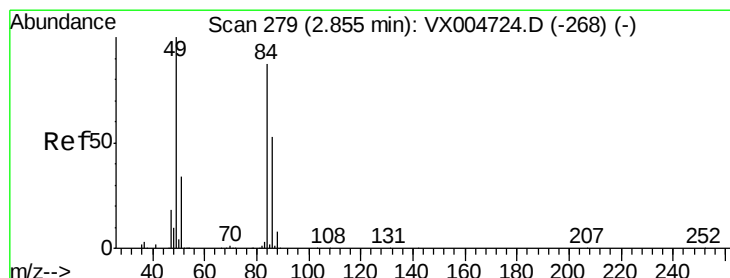
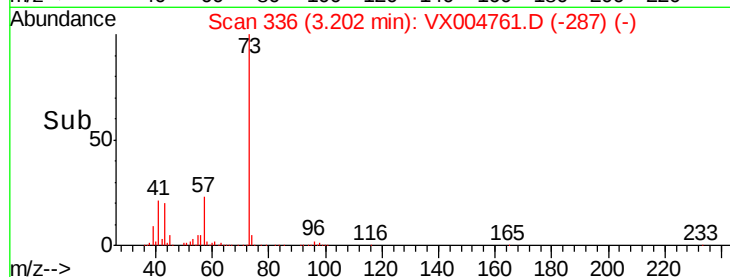
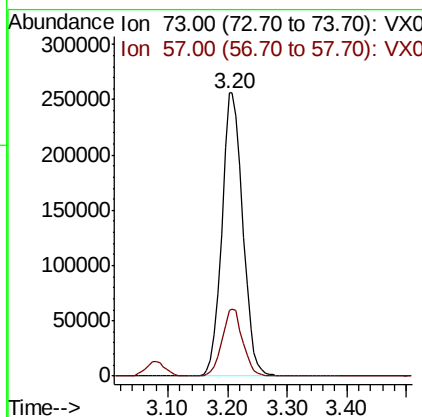
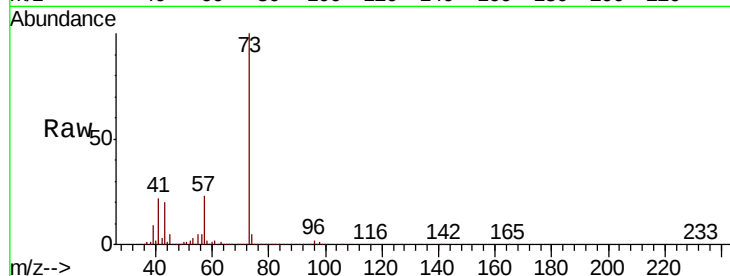


#19

Methyl tert-butyl Ether
 Concen: 55.260 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. -0.00 min
 Lab File: VX004761.D
 Acq: 27 Sep 2018 08:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

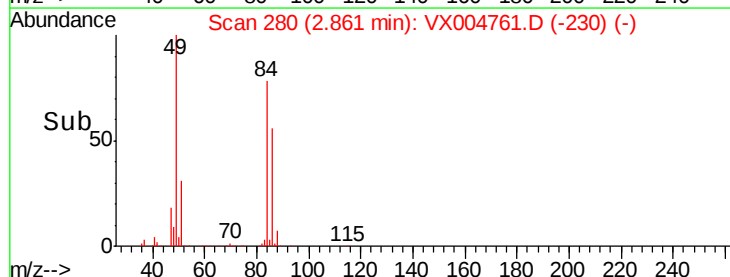
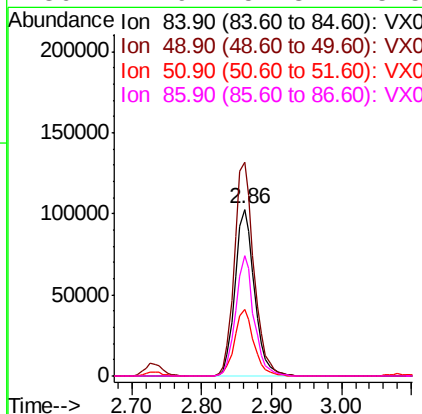
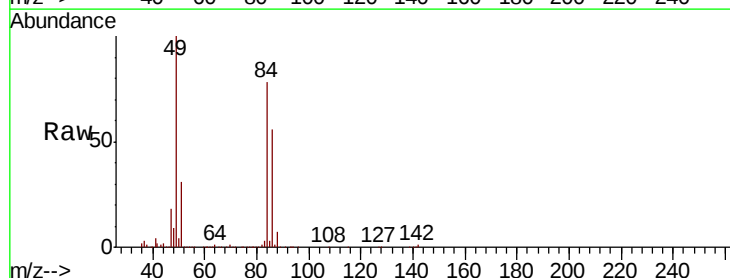
Tot Ion: 73 Resp: 623096
 Ion Ratio Lower Upper
 73 100
 57 23.3 17.1 25.7

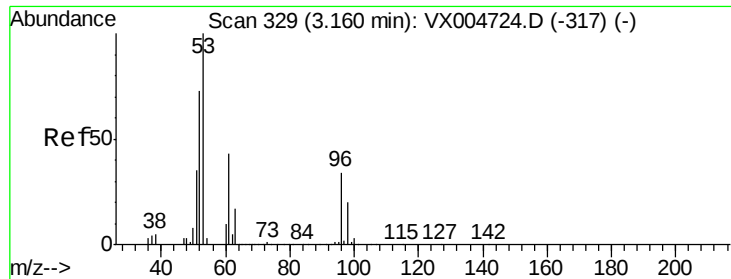


#20

Methylene Chloride
 Concen: 54.322 ug/l
 RT: 2.86 min Scan# 280
 Delta R.T. 0.01 min
 Lab File: VX004761.D
 Acq: 27 Sep 2018 08:38

Tgt Ion: 84 Resp: 198459
 Ion Ratio Lower Upper
 84 100
 49 128.1 101.2 151.8
 51 39.7 29.5 44.3
 86 71.9 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 51.839 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX004761.D

Acq: 27 Sep 2018 08:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

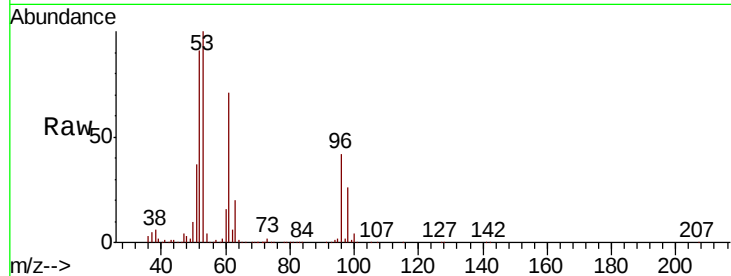
Tot Ion: 96 Resp: 185503

Ion Ratio Lower Upper

96 100

61 169.0 113.8 170.6

98 62.6 51.8 77.8

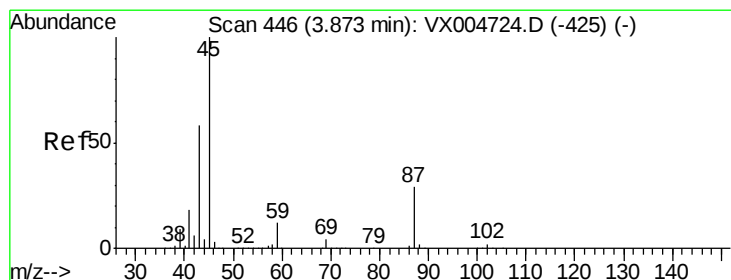
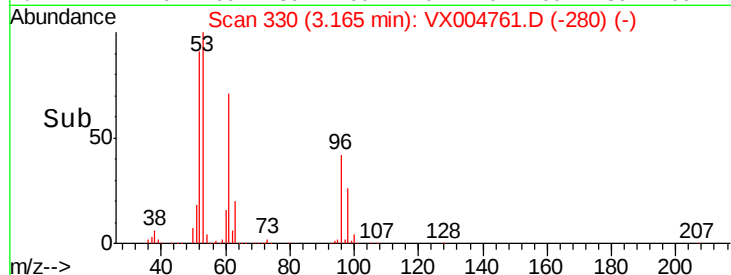
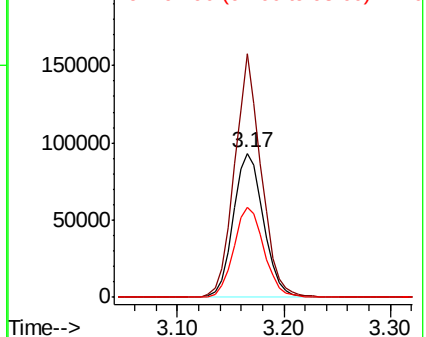


Abundance

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: 57.583 ug/l

RT: 3.87 min Scan# 446

Delta R.T. -0.00 min

Lab File: VX004761.D

Acq: 27 Sep 2018 08:38

Tgt Ion: 45 Resp: 691600

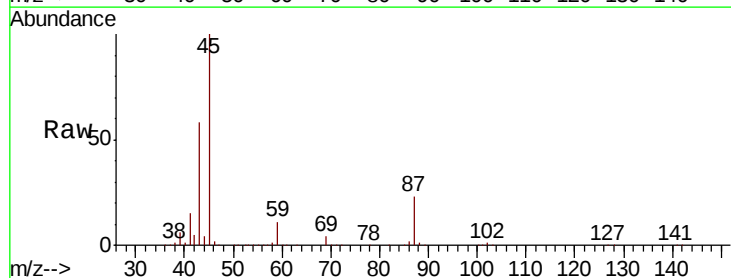
Ion Ratio Lower Upper

45 100

43 57.9 42.8 64.2

87 23.1 22.6 34.0

59 11.2 9.6 14.4



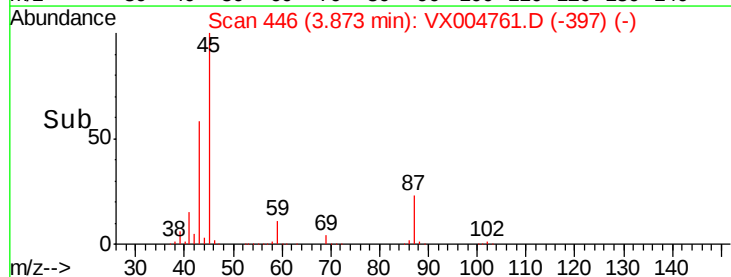
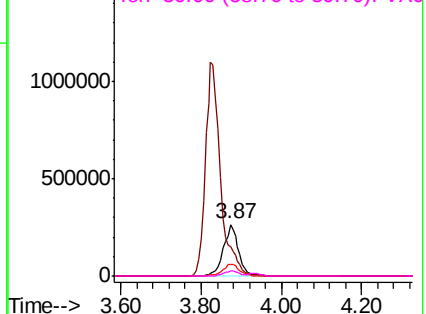
Abundance

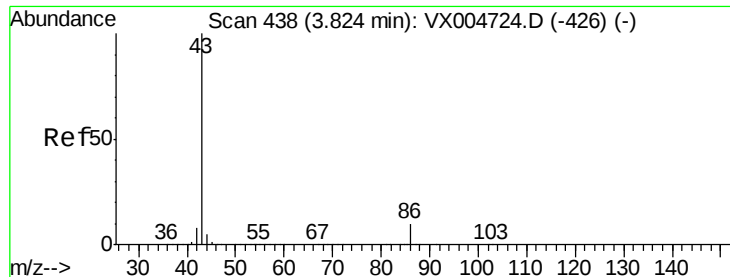
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 266.009 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX004761.D

Acq: 27 Sep 2018 08:38

Instrument :

MSVOA_X

ClientSampleId :

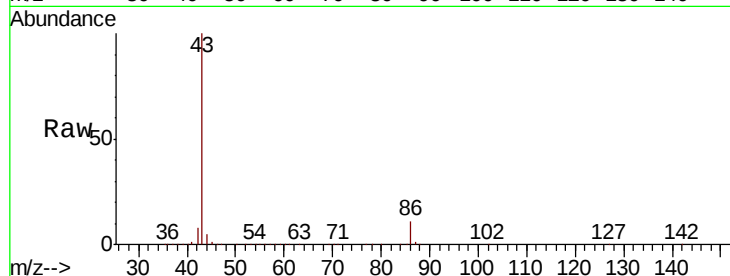
VSTDCCC050EC

Tot Ion: 43 Resp: 2924486

Ion Ratio Lower Upper

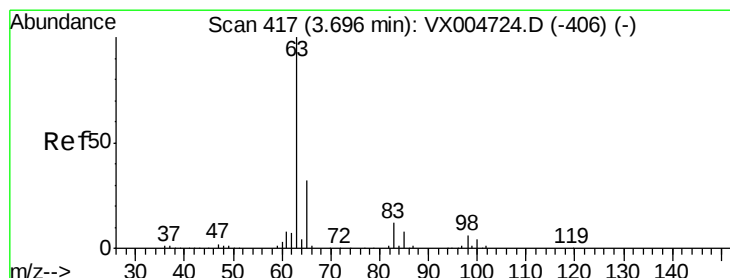
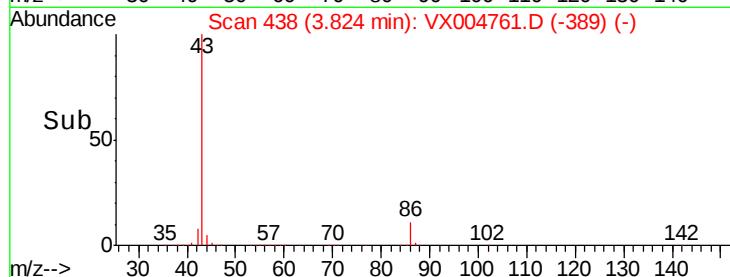
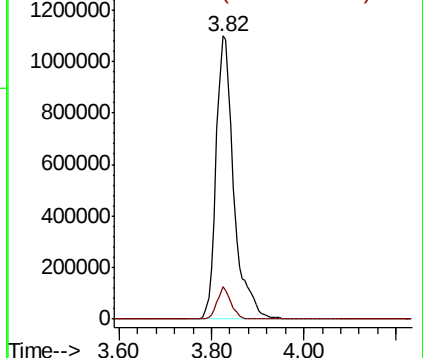
43 100

86 11.3 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 50.511 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.01 min

Lab File: VX004761.D

Acq: 27 Sep 2018 08:38

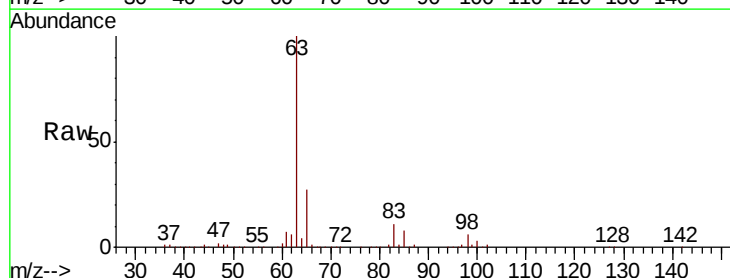
Tgt Ion: 63 Resp: 361885

Ion Ratio Lower Upper

63 100

98 6.0 3.5 10.4

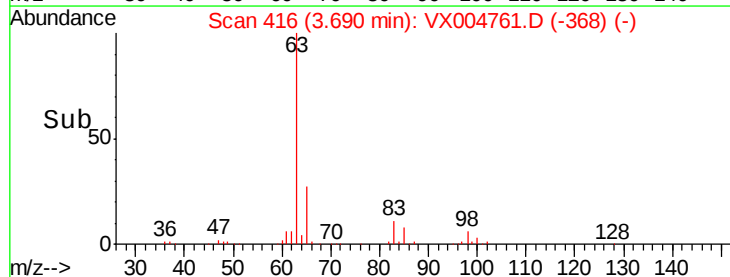
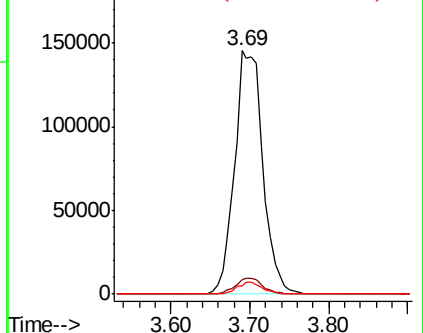
100 3.1 2.4 7.1

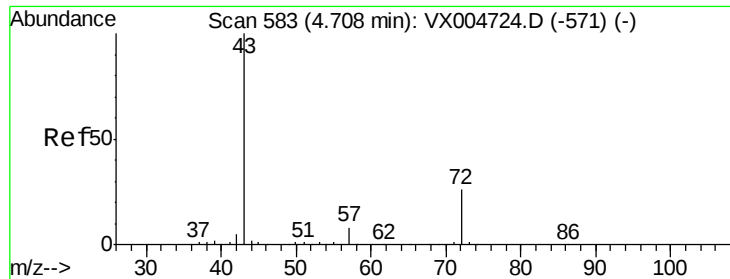


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 249.292 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.01 min

Lab File: VX004761.D

Acq: 27 Sep 2018 08:38

Instrument :

MSVOA_X

ClientSampleId :

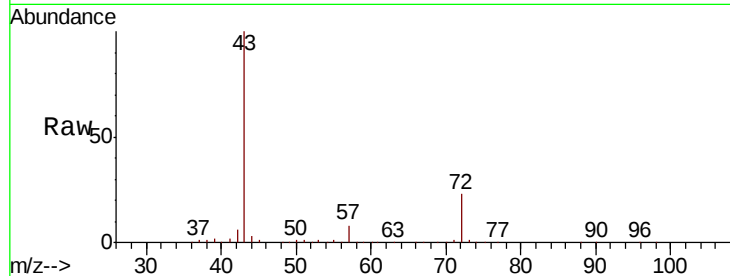
VSTDCCC050EC

Tot Ion: 43 Resp: 924561

Ion Ratio Lower Upper

43 100

72 23.1 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.70

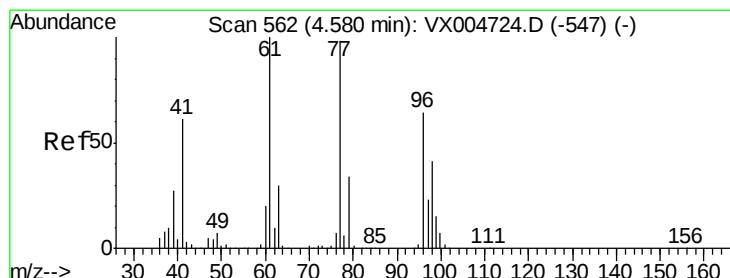
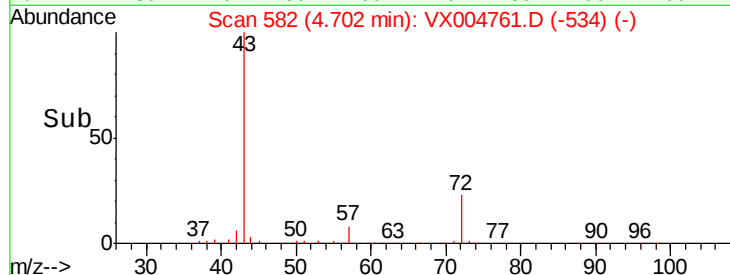
300000

200000

100000

0

Time-->



#26

2,2-Dichloropropane

Concen: 31.491 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX004761.D

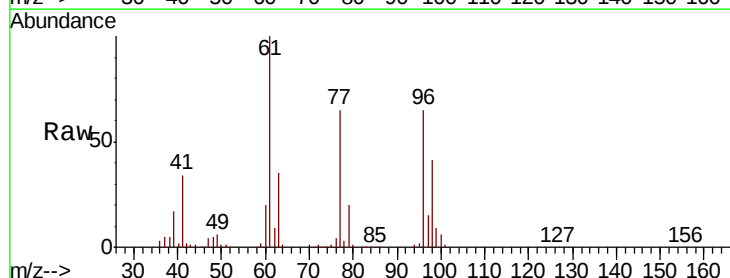
Acq: 27 Sep 2018 08:38

Tgt Ion: 77 Resp: 157106

Ion Ratio Lower Upper

77 100

97 24.7 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.59

60000

50000

40000

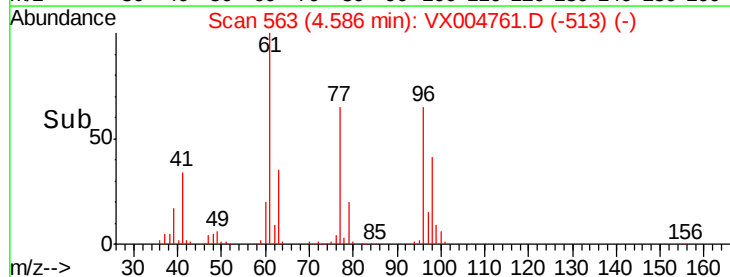
30000

20000

10000

0

Time-->



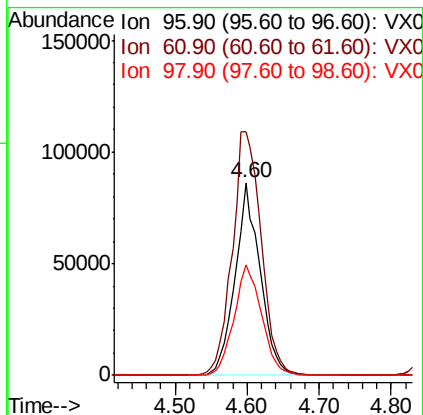
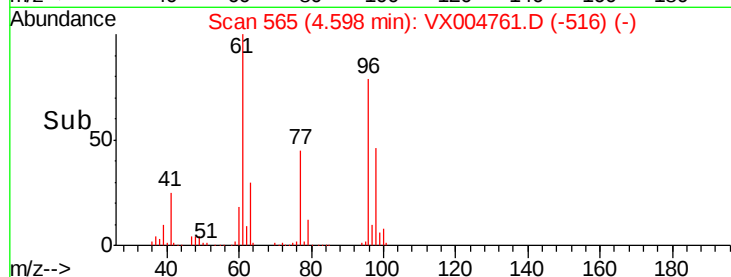
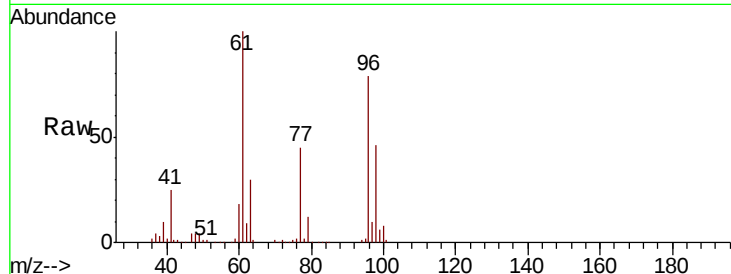


#27

cis-1,2-Dichloroethene
Concen: 52.099 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX004761.D
Acq: 27 Sep 2018 08:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

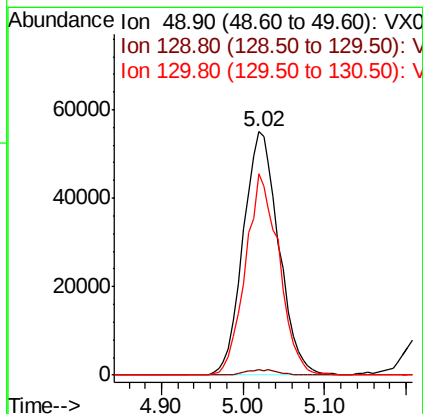
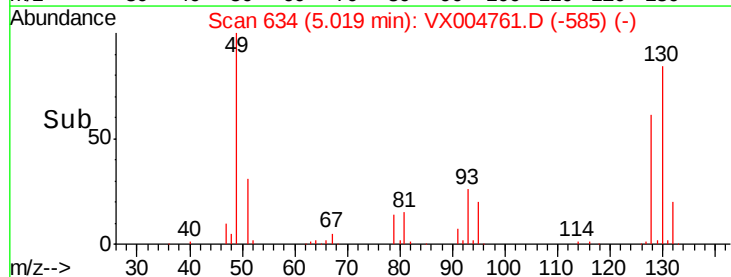
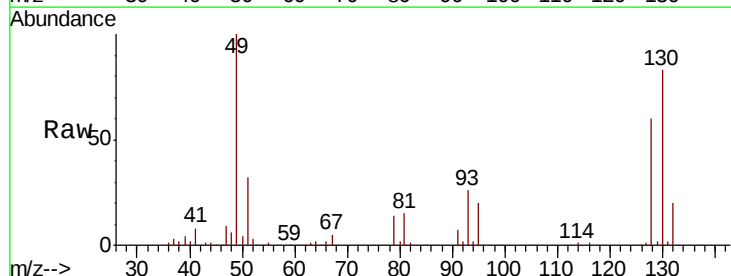
Tot Ion: 96 Resp: 208269
Ion Ratio Lower Upper
96 100
61 146.2 0.0 282.6
98 63.2 0.0 130.2

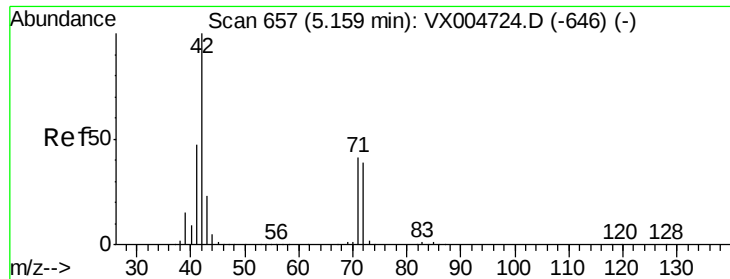


#28

Bromochloromethane
Concen: 49.539 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX004761.D
Acq: 27 Sep 2018 08:38

Tgt Ion: 49 Resp: 167135
Ion Ratio Lower Upper
49 100
129 2.1 0.0 4.2
130 78.0 67.5 101.3





#29

Tetrahydrofuran

Concen: 273.911 ug/l

RT: 5.16 min Scan# 657

Delta R.T. -0.00 min

Lab File: VX004761.D

Acq: 27 Sep 2018 08:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

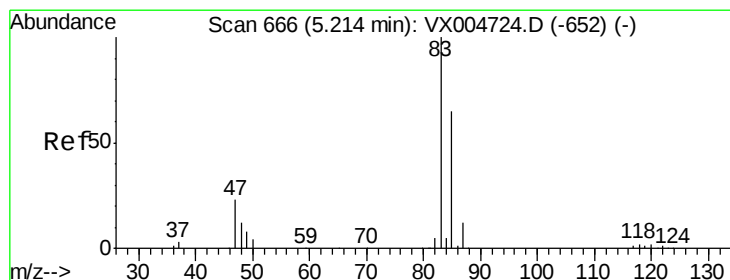
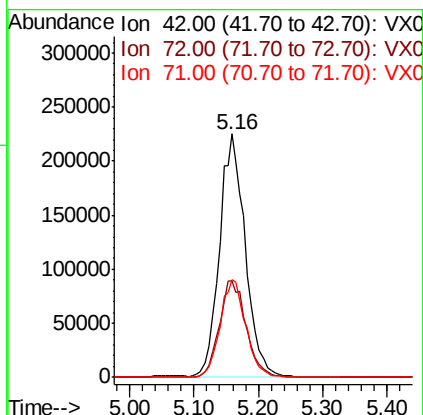
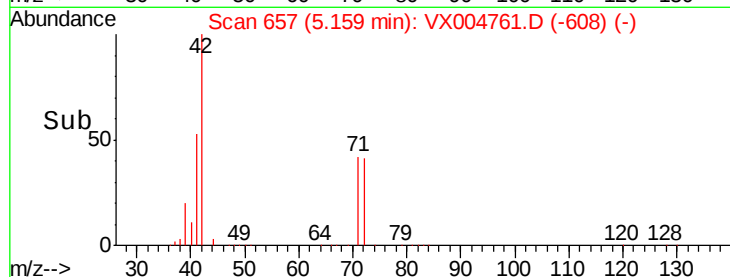
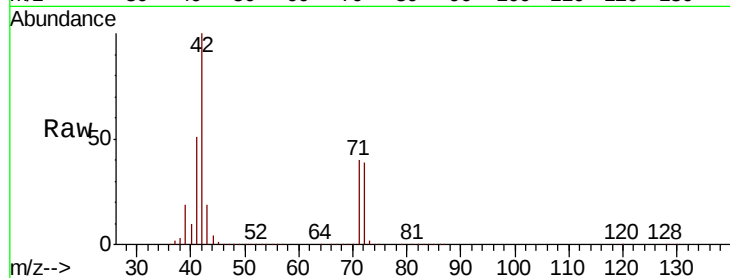
Tot Ion: 42 Resp: 631398

Ion Ratio Lower Upper

42 100

72 41.7 37.4 56.0

71 40.2 34.5 51.7



#30

Chloroform

Concen: 50.016 ug/l

RT: 5.21 min Scan# 666

Delta R.T. -0.00 min

Lab File: VX004761.D

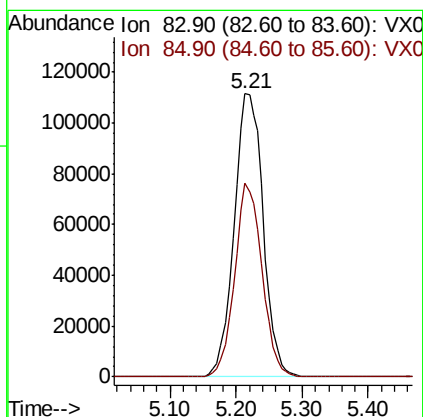
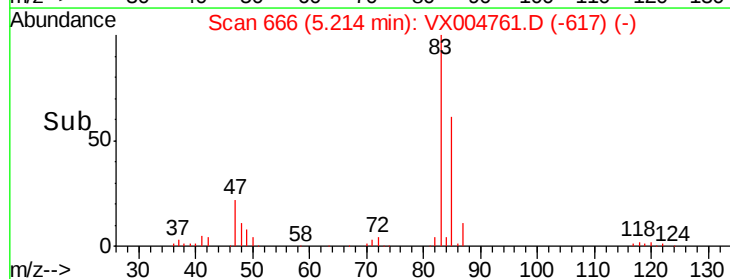
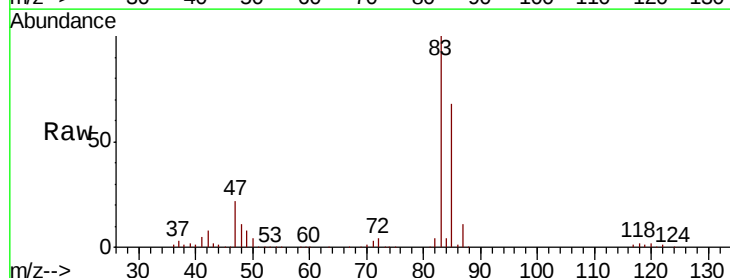
Acq: 27 Sep 2018 08:38

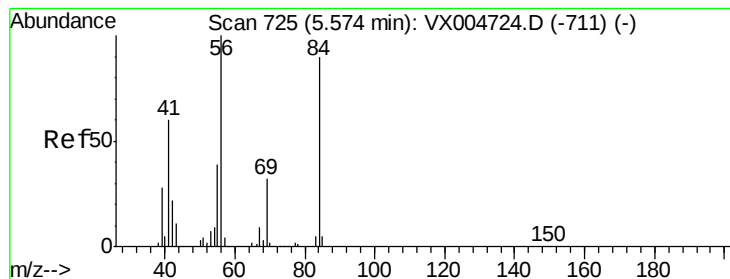
Tgt Ion: 83 Resp: 338665

Ion Ratio Lower Upper

83 100

85 68.5 52.6 79.0





#31

Cyclohexane

Concen: 60.130 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX004761.D

Acq: 27 Sep 2018 08:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

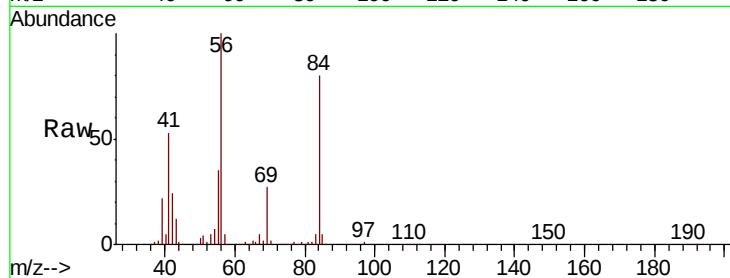
Tot Ion: 56 Resp: 329718

Ion Ratio Lower Upper

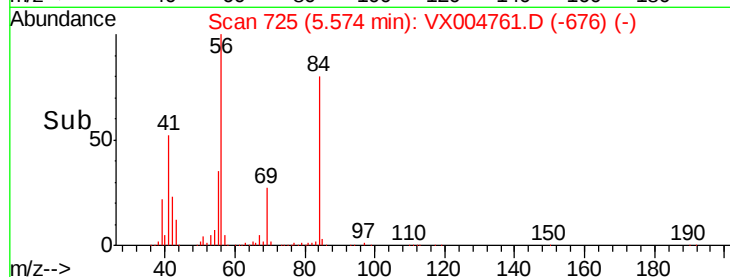
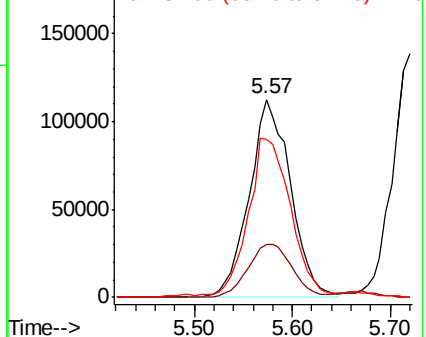
56 100

69 26.9 25.4 38.2

84 78.4 71.4 107.2



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: 52.462 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX004761.D

Acq: 27 Sep 2018 08:38

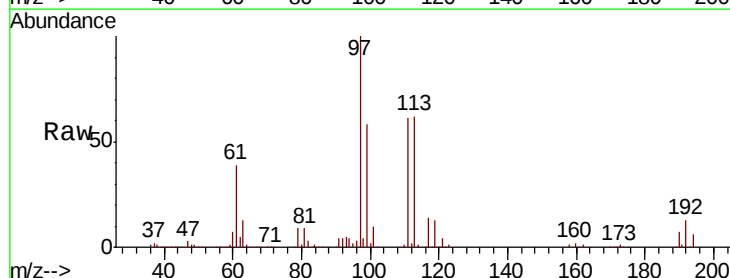
Tgt Ion: 97 Resp: 290105

Ion Ratio Lower Upper

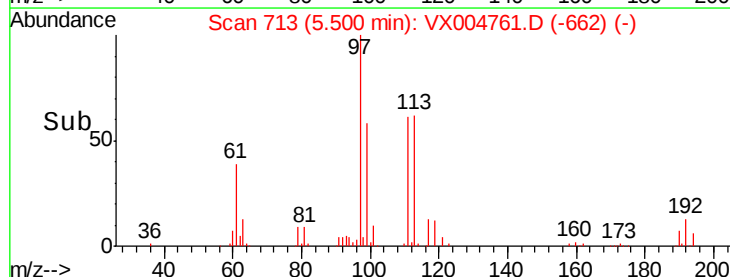
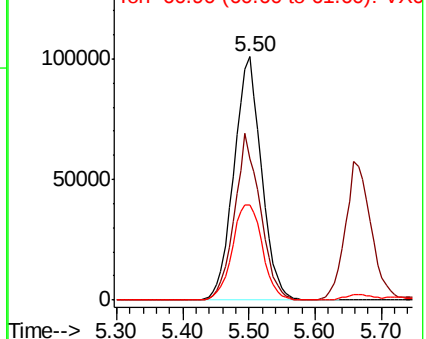
97 100

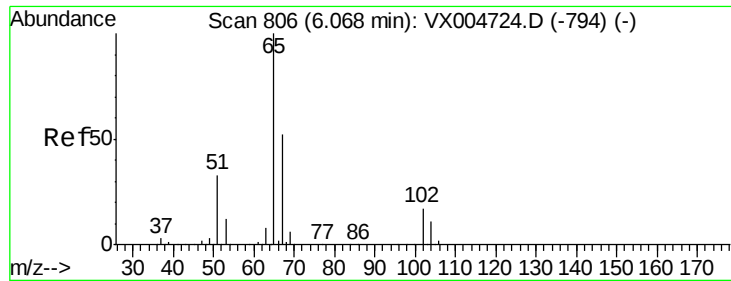
99 64.2 52.0 78.0

61 43.0 34.9 52.3



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: 48.342 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004761.D

Acq: 27 Sep 2018 08:38

Instrument :

MSVOA_X

ClientSampleId :

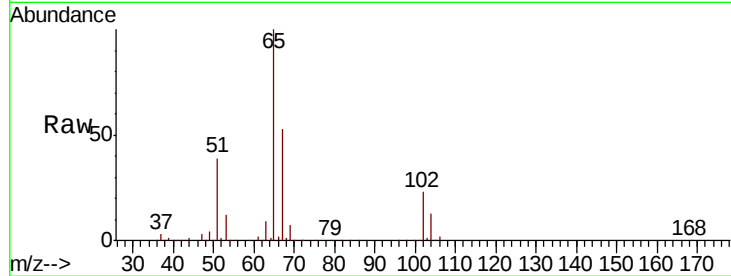
VSTDCCC050EC

Tot Ion: 65 Resp: 208338

Ion Ratio Lower Upper

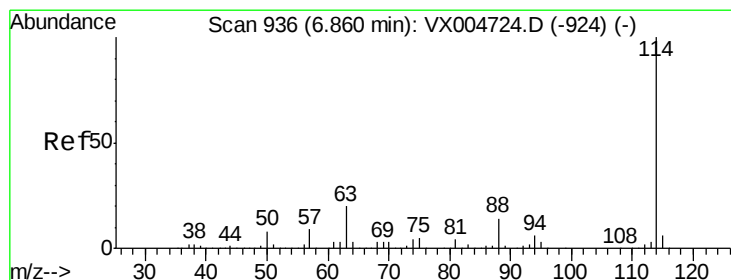
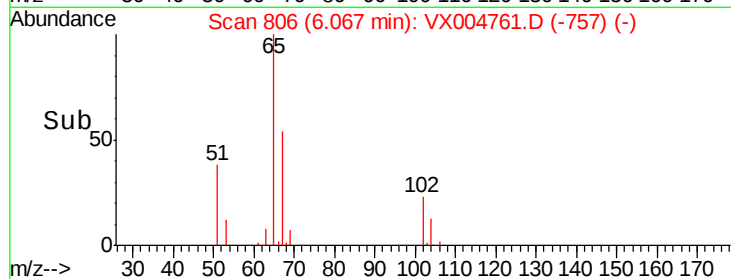
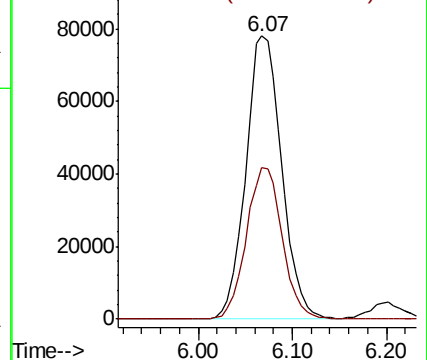
65 100

67 53.5 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.87 min Scan# 937

Delta R.T. 0.01 min

Lab File: VX004761.D

Acq: 27 Sep 2018 08:38

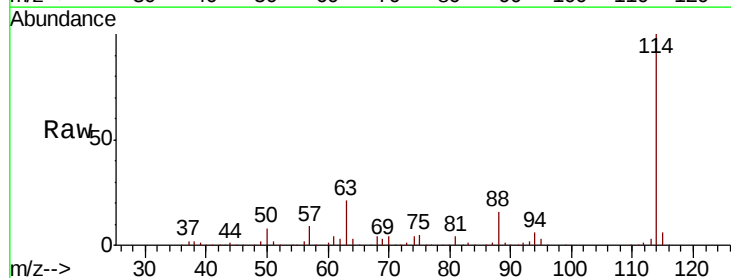
Tgt Ion: 114 Resp: 457824

Ion Ratio Lower Upper

114 100

63 20.6 0.0 39.0

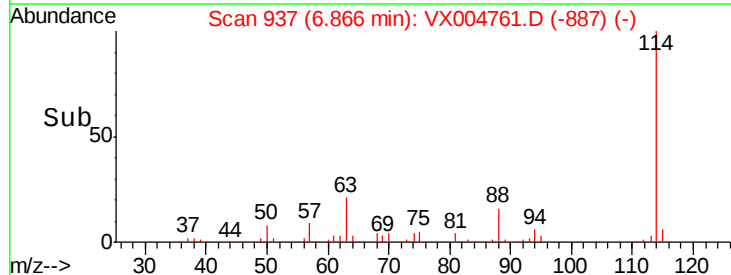
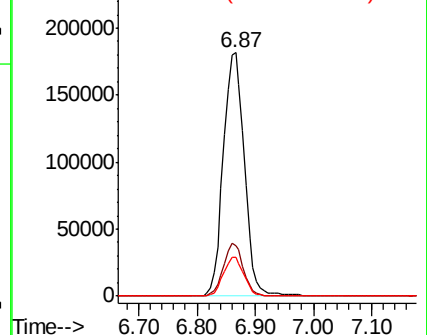
88 15.8 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

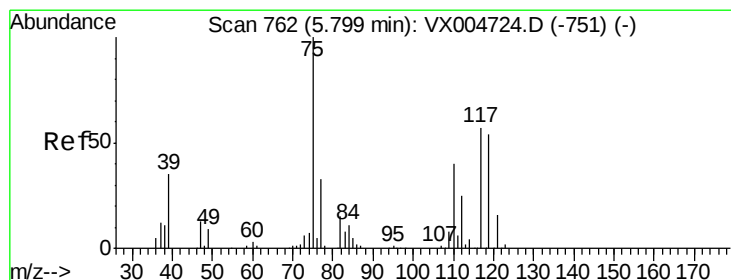
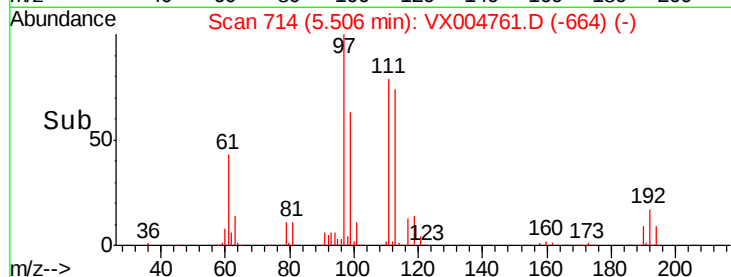
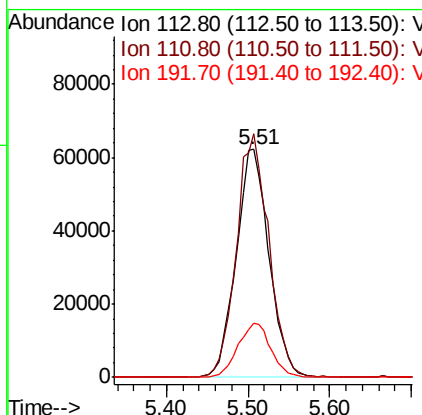
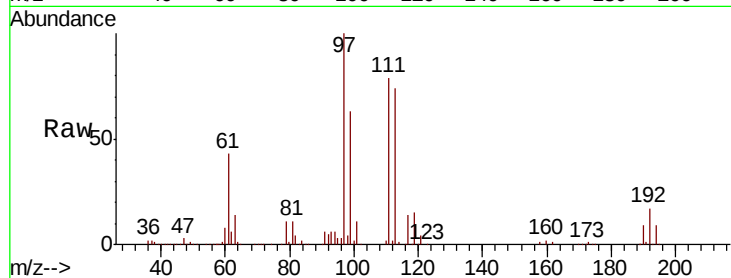




#35
 Dibromofluoromethane
 Concen: 44.748 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX004761.D
 Acq: 27 Sep 2018 08:38

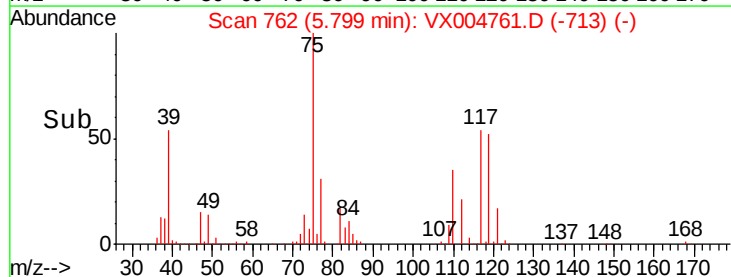
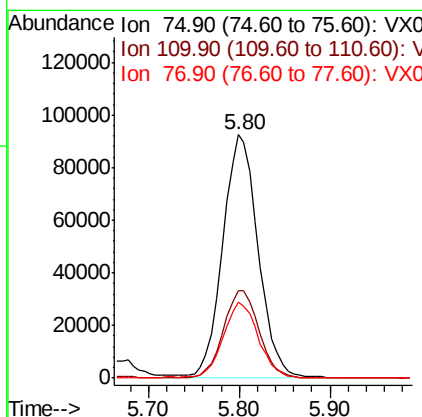
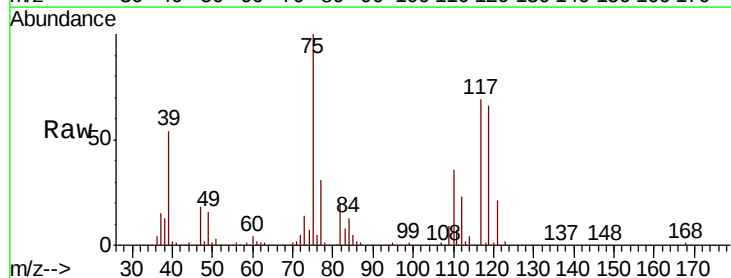
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

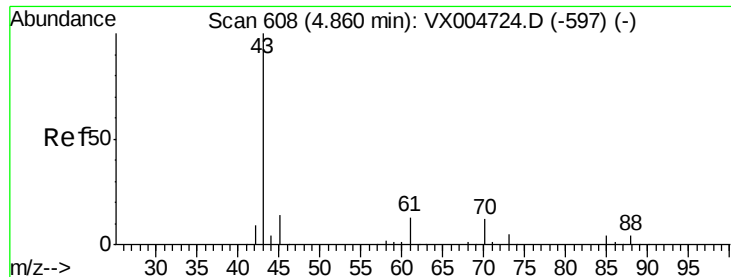
Tot Ion:113 Resp: 173627
 Ion Ratio Lower Upper
 113 100
 111 105.0 82.4 123.6
 192 23.7 19.4 29.2



#36
 1,1-Dichloropropene
 Concen: 46.857 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX004761.D
 Acq: 27 Sep 2018 08:38

Tgt Ion: 75 Resp: 248055
 Ion Ratio Lower Upper
 75 100
 110 36.5 18.0 54.0
 77 31.5 24.6 36.8

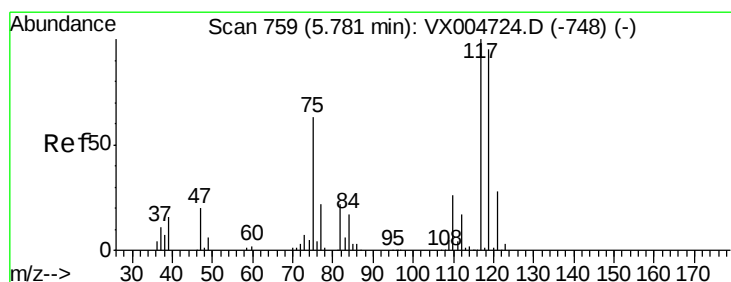
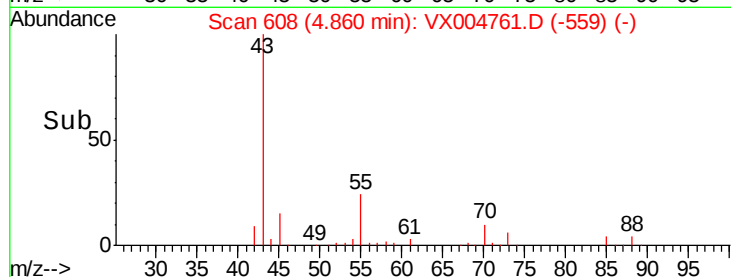
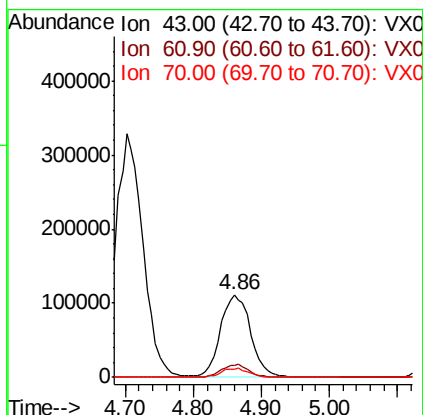
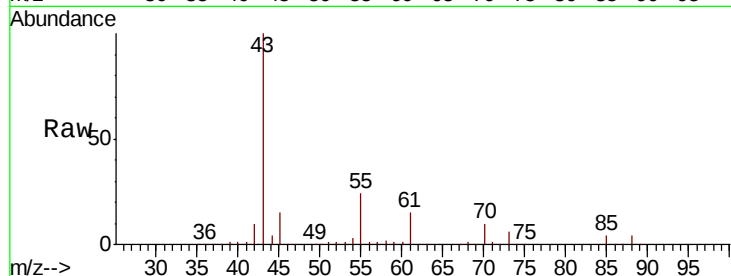




#37
Ethyl Acetate
Concen: 48.633 ug/l
RT: 4.86 min Scan# 608
Delta R.T. -0.00 min
Lab File: VX004761.D
Acq: 27 Sep 2018 08:38

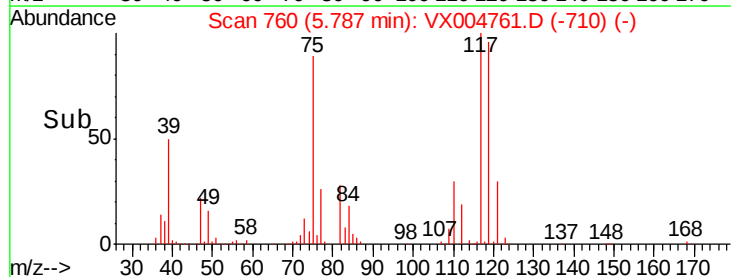
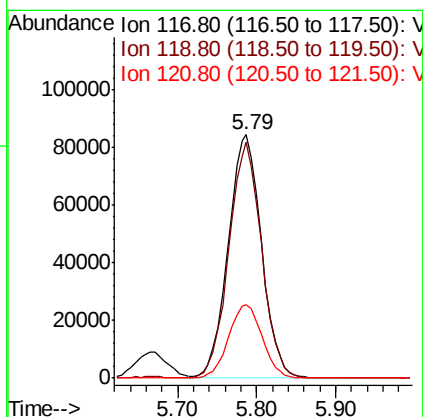
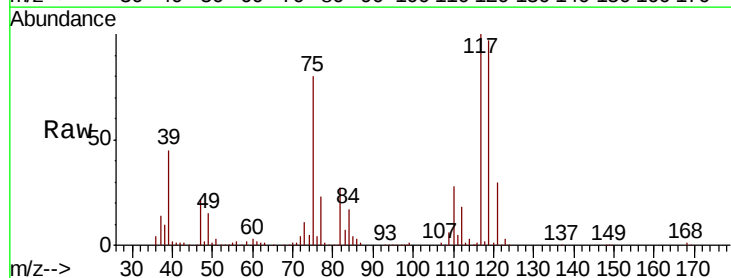
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

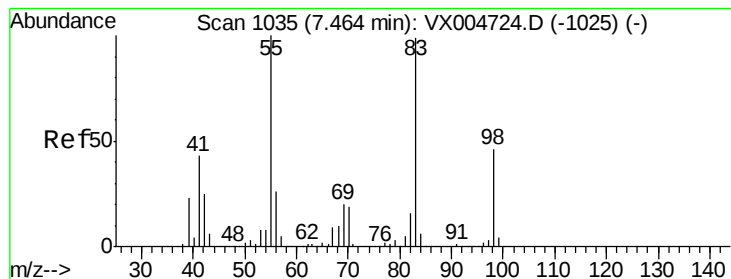
Tot Ion: 43 Resp: 341754
Ion Ratio Lower Upper
43 100
61 14.1 11.5 17.3
70 10.2 9.0 13.6



#38
Carbon Tetrachloride
Concen: 44.362 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX004761.D
Acq: 27 Sep 2018 08:38

Tgt Ion: 117 Resp: 246869
Ion Ratio Lower Upper
117 100
119 96.9 78.8 118.2
121 30.1 24.9 37.3





#39

Methvlcvclohexane

Concen: 55.631 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. -0.00 min

Lab File: VX004761.D

Acq: 27 Sep 2018 08:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

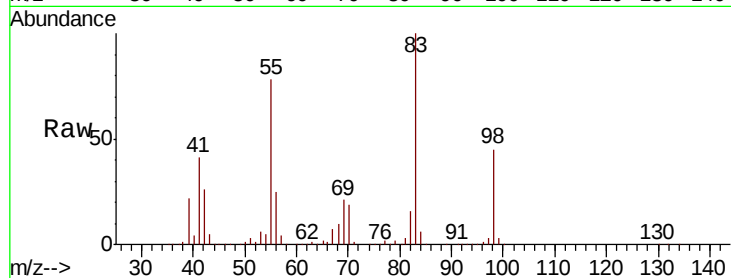
Tot Ion: 83 Resp: 300721

Ion Ratio Lower Upper

83 100

55 77.5 61.0 91.4

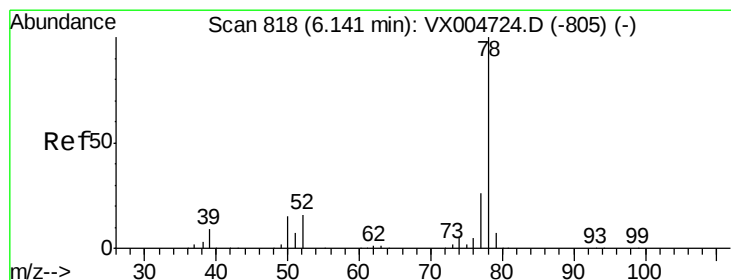
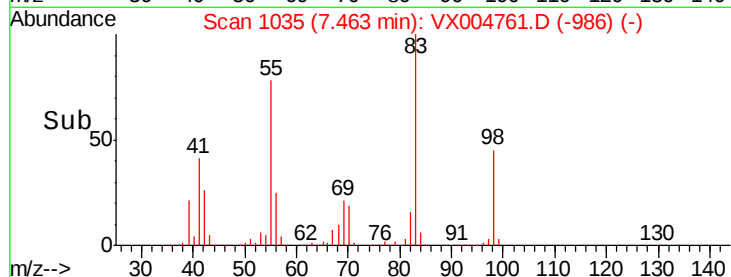
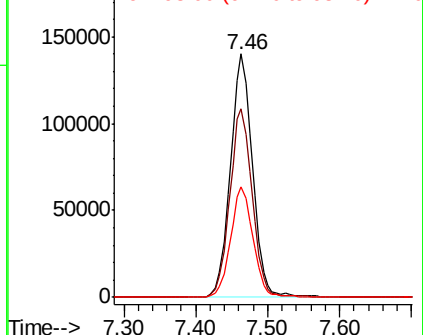
98 45.4 39.6 59.4



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



#40

Benzene

Concen: 45.917 ug/l

RT: 6.15 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX004761.D

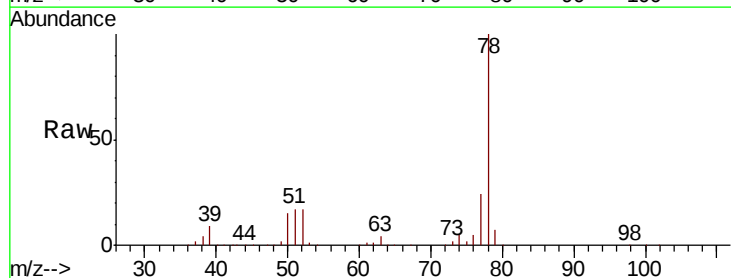
Acq: 27 Sep 2018 08:38

Tgt Ion: 78 Resp: 761011

Ion Ratio Lower Upper

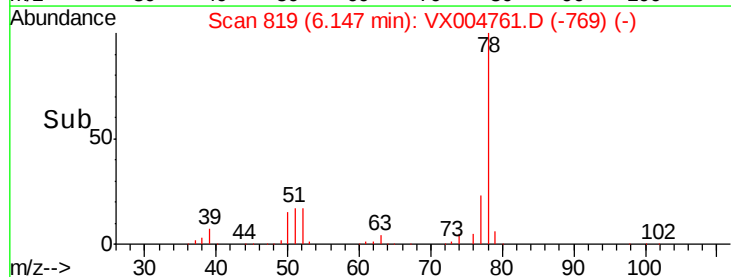
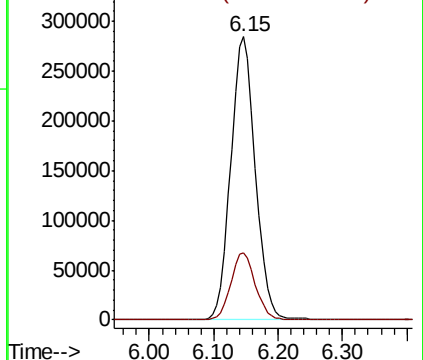
78 100

77 23.8 19.0 28.4



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

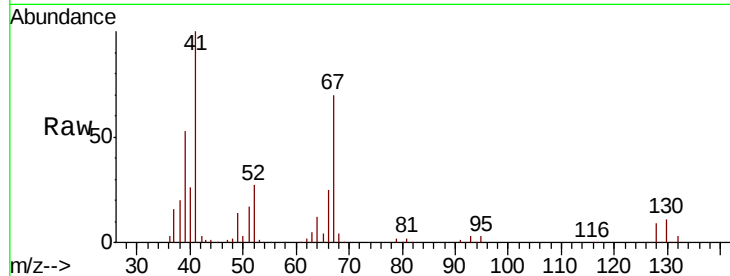




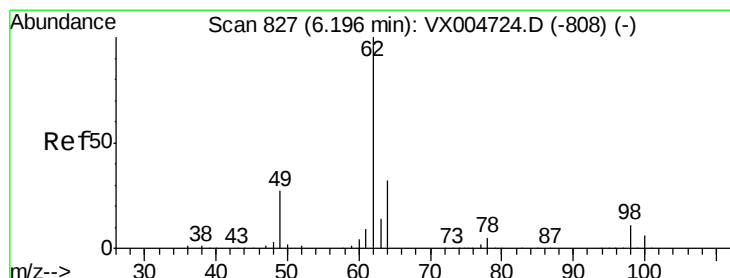
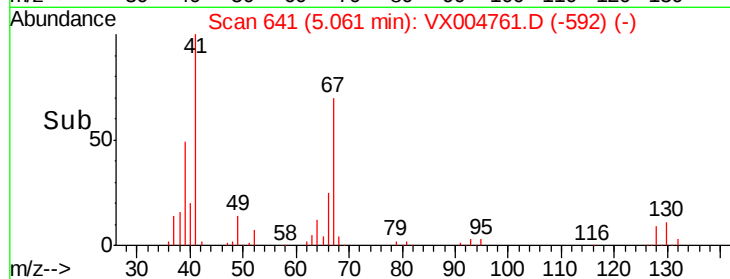
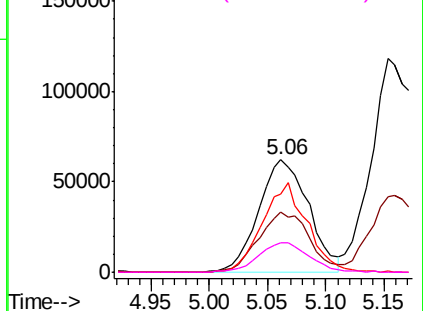
#41
Methacrylonitrile
Concen: 47.569 ug/l
RT: 5.06 min Scan# 641
Delta R.T. -0.00 min
Lab File: VX004761.D
Acq: 27 Sep 2018 08:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	185382
Ion	Ratio	Lower	Upper
41	100		
39	54.9	42.4	63.6
67	72.0	59.2	88.8
52	27.2	23.0	34.4

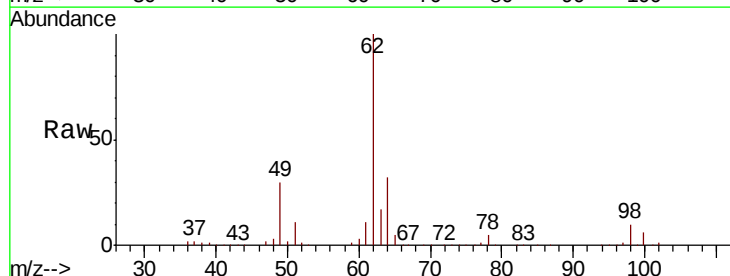


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

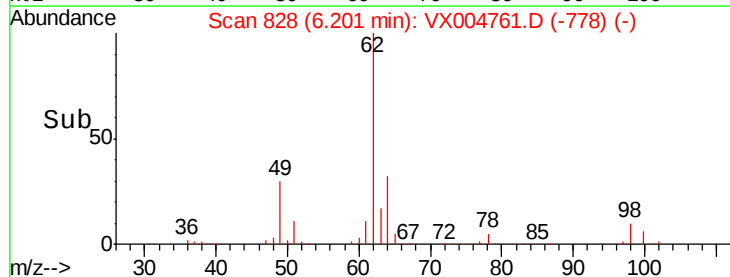
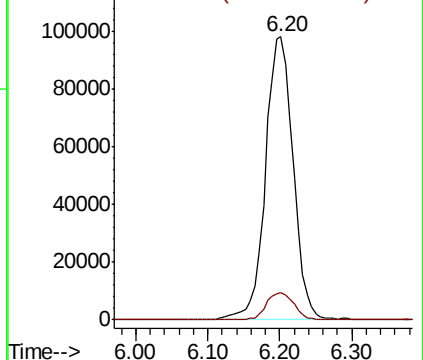


#42
1,2-Dichloroethane
Concen: 44.761 ug/l
RT: 6.20 min Scan# 828
Delta R.T. 0.01 min
Lab File: VX004761.D
Acq: 27 Sep 2018 08:38

Tgt Ion:	62	Resp:	262254
Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	20.6



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





#43

Isopropyl Acetate

Concen: 52.169 ug/l

RT: 6.46 min Scan# 871

Delta R.T. -0.00 min

Lab File: VX004761.D

Acq: 27 Sep 2018 08:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

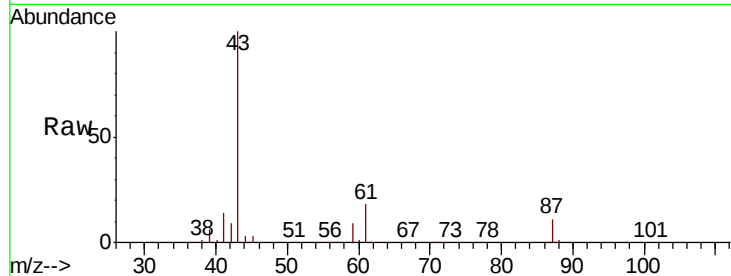
Tot Ion: 43 Resp: 529131

Ion Ratio Lower Upper

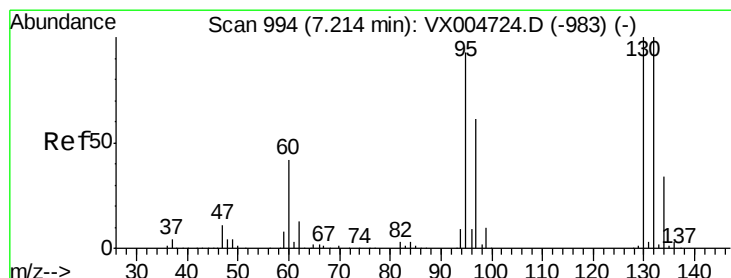
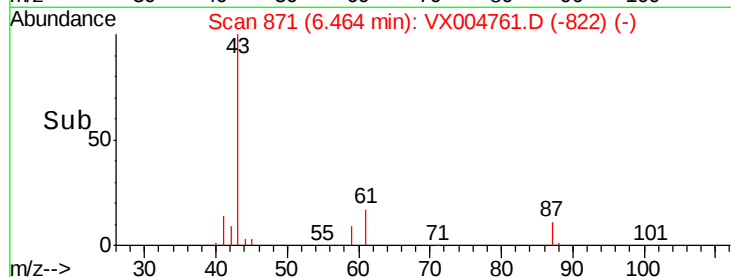
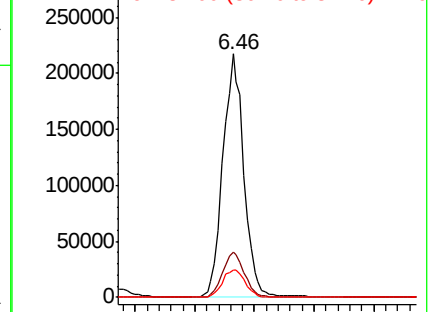
43 100

61 19.3 17.0 25.4

87 12.4 11.4 17.2



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



#44

Trichloroethene

Concen: 50.314 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX004761.D

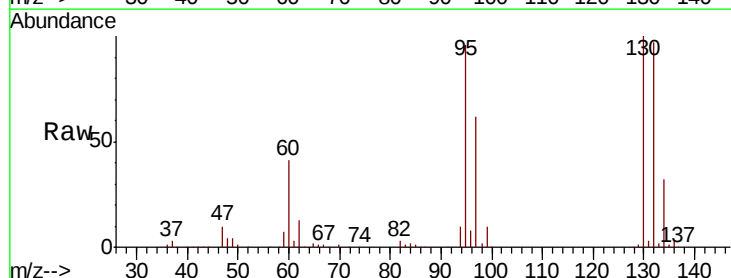
Acq: 27 Sep 2018 08:38

Tgt Ion:130 Resp: 204996

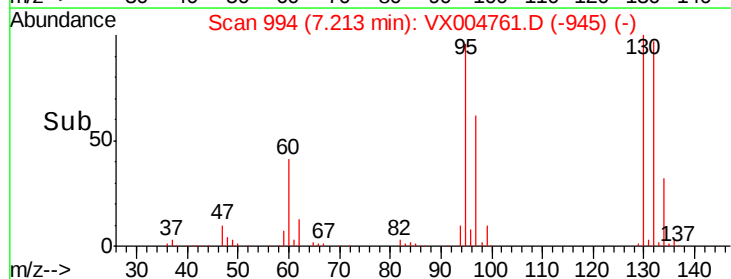
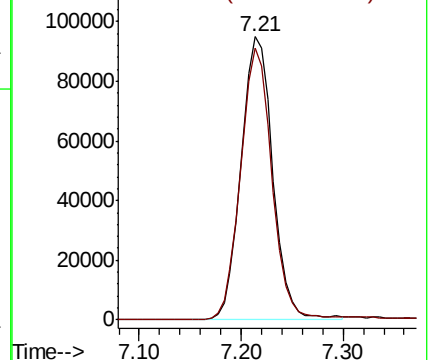
Ion Ratio Lower Upper

130 100

95 95.9 0.0 181.6



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





#45

1,2-Dichloropropane

Concen: 49.840 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VX004761.D

Acq: 27 Sep 2018 08:38

Instrument :

MSVOA_X

ClientSampleId :

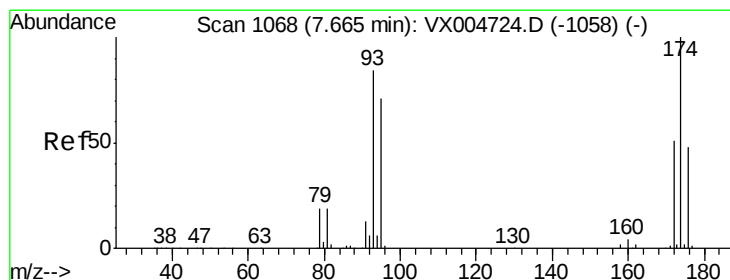
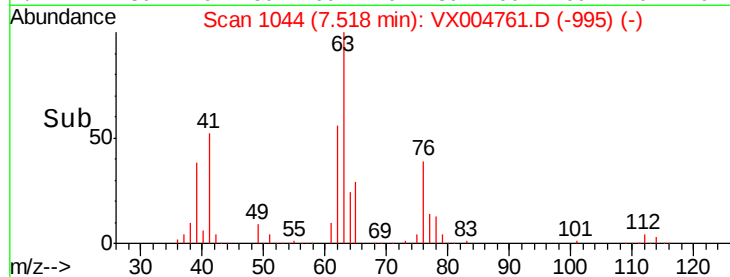
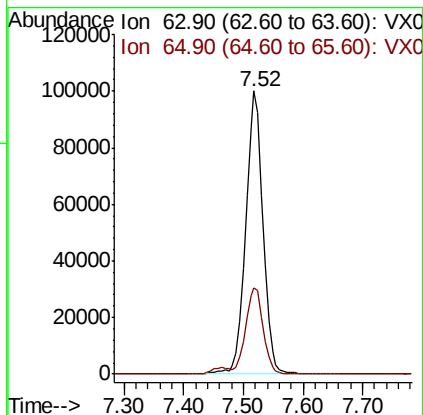
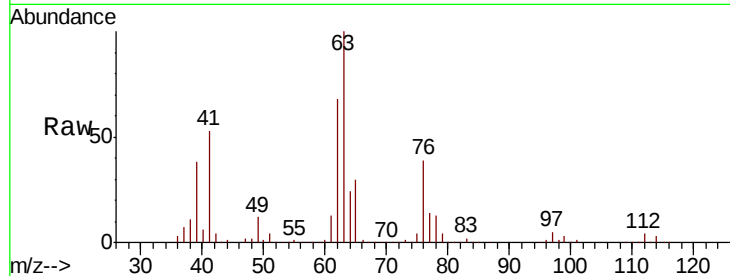
VSTDCCC050EC

Tot Ion: 63 Resp: 202569

Ion Ratio Lower Upper

63 100

65 30.3 24.3 36.5



#46

Dibromomethane

Concen: 50.177 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. -0.00 min

Lab File: VX004761.D

Acq: 27 Sep 2018 08:38

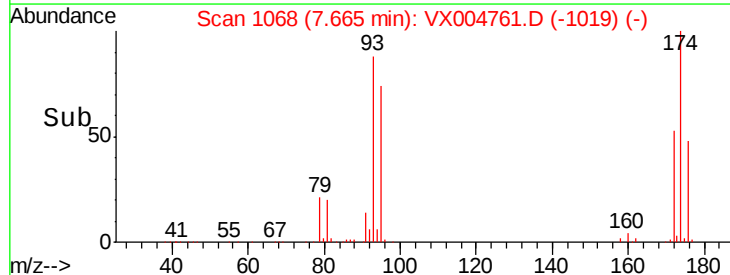
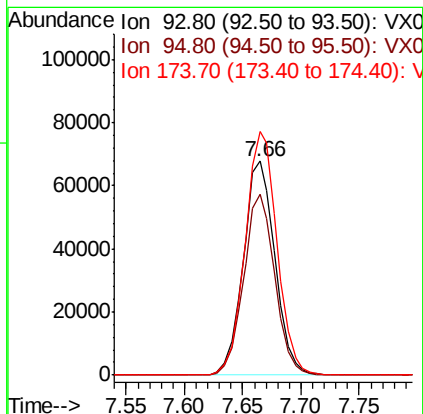
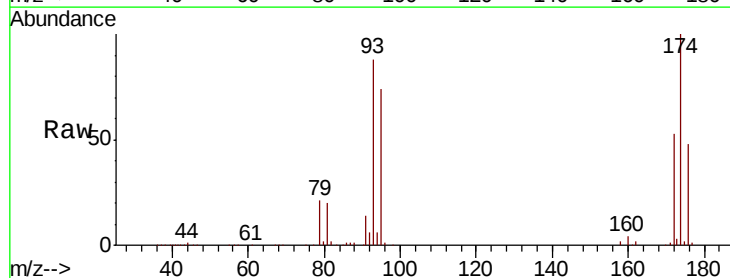
Tgt Ion: 93 Resp: 128168

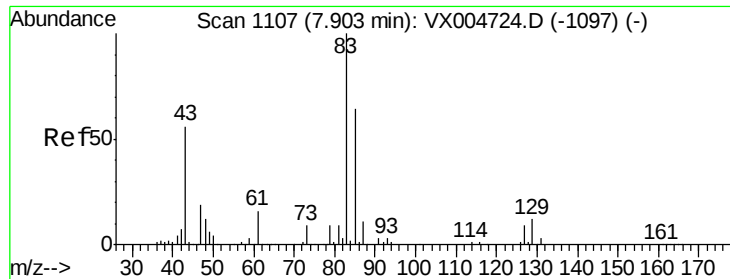
Ion Ratio Lower Upper

93 100

95 83.7 65.5 98.3

174 114.7 94.2 141.4





#47

Bromodichloromethane

Concen: 50.999 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VX004761.D

Acq: 27 Sep 2018 08:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

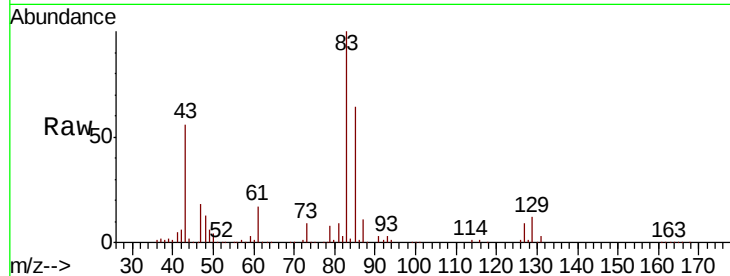
Tot Ion: 83 Resp: 243893

Ion Ratio Lower Upper

83 100

85 64.3 50.9 76.3

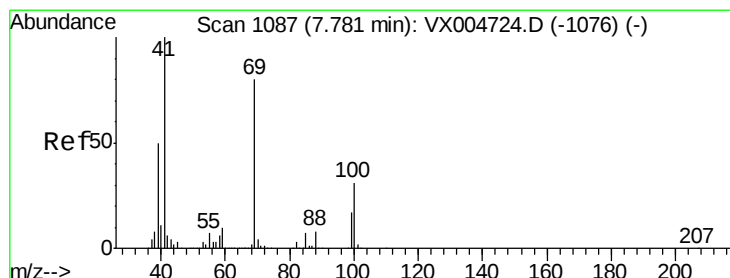
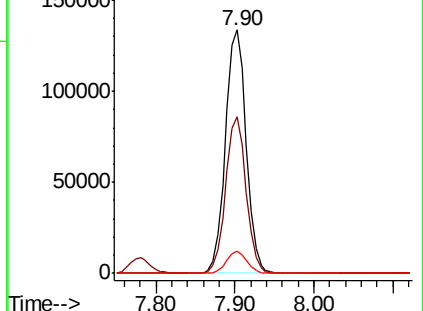
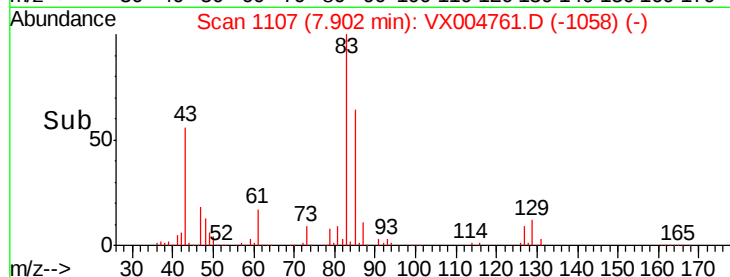
127 9.1 7.3 10.9



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: 55.114 ug/l

RT: 7.78 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VX004761.D

Acq: 27 Sep 2018 08:38

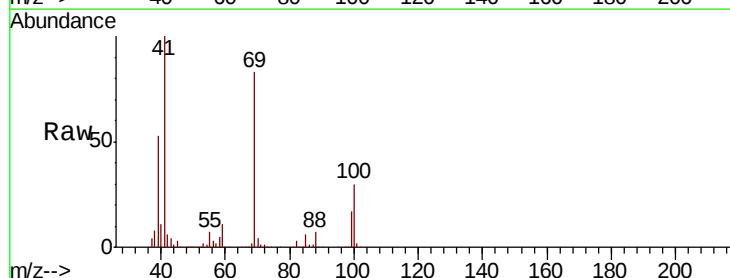
Tgt Ion: 41 Resp: 253723

Ion Ratio Lower Upper

41 100

69 82.4 70.2 105.4

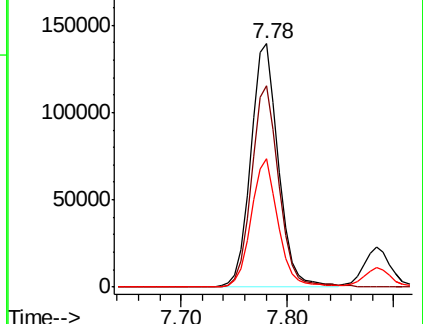
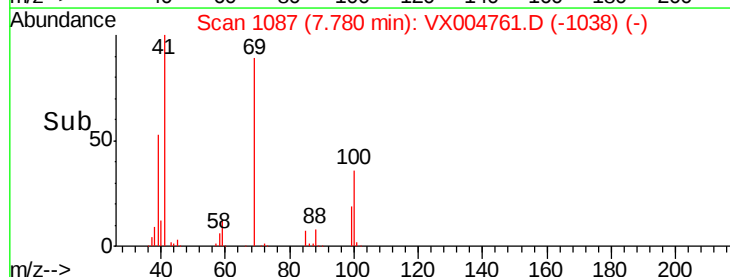
39 51.1 42.7 64.1

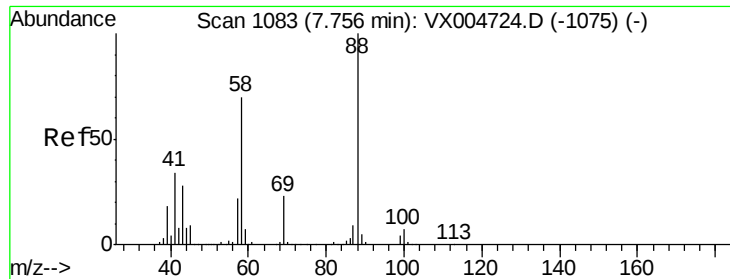


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 976.862 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. -0.00 min

Lab File: VX004761.D

Acq: 27 Sep 2018 08:38

Instrument :

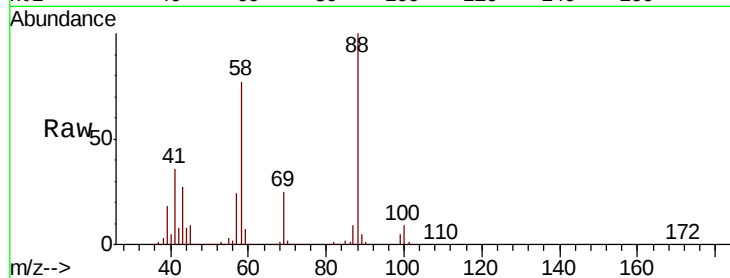
MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 88 Resp: 111725

Ion	Ratio	Lower	Upper
88	100		
43	31.4	24.7	37.1
58	74.2	55.3	82.9

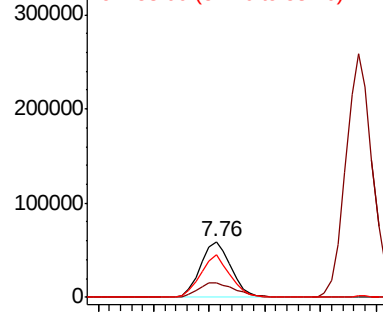


Abundance

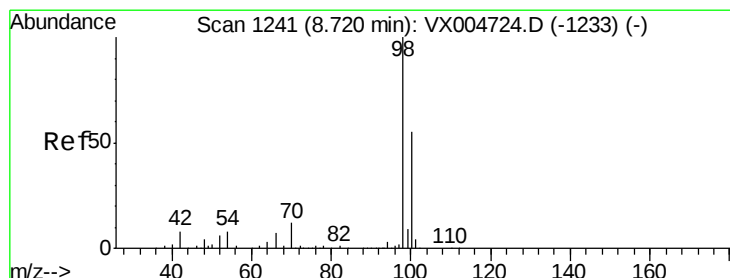
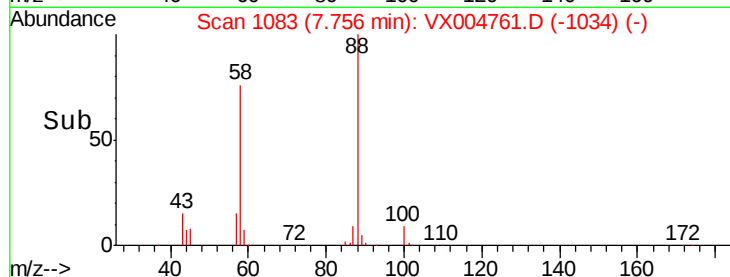
Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#50

Toluene-d8

Concen: 50.414 ug/l

RT: 8.72 min Scan# 1241

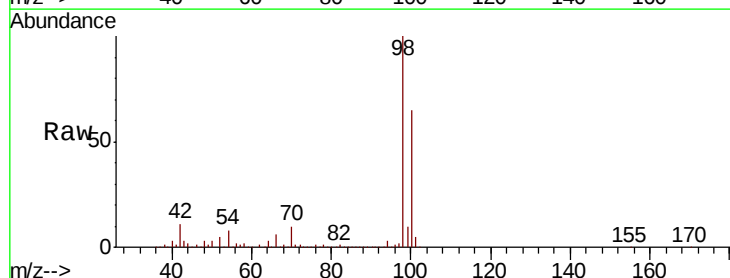
Delta R.T. -0.00 min

Lab File: VX004761.D

Acq: 27 Sep 2018 08:38

Tgt Ion: 98 Resp: 650313

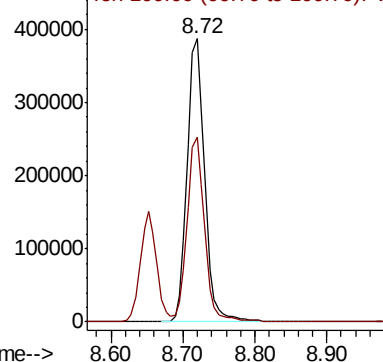
Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.9	79.3



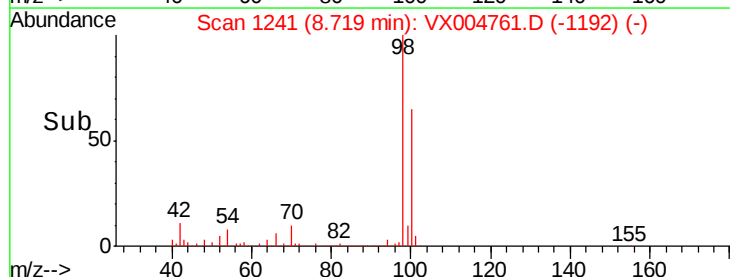
Abundance

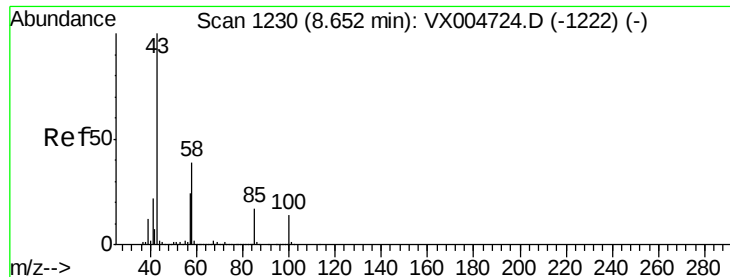
Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



Time-->





#51

4-Methyl-2-Pentanone

Concen: 265.467 ug/l

RT: 8.65 min Scan# 1230

Delta R.T. -0.00 min

Lab File: VX004761.D

Acq: 27 Sep 2018 08:38

Instrument :

MSVOA_X

ClientSampleId :

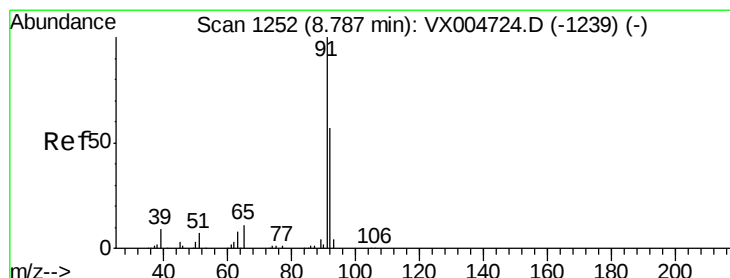
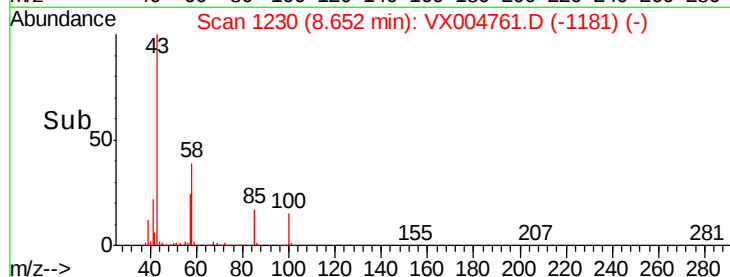
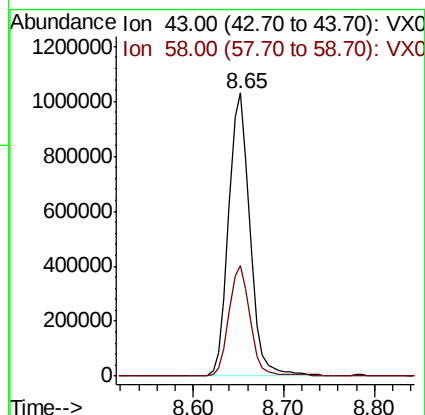
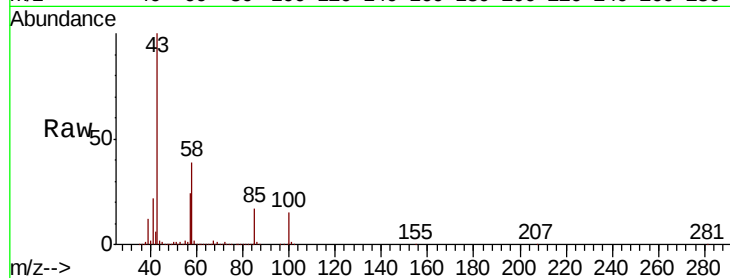
VSTDCCC050EC

Tot Ion: 43 Resp: 1695343

Ion Ratio Lower Upper

43 100

58 39.2 33.1 49.7



#52

Toluene

Concen: 51.560 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX004761.D

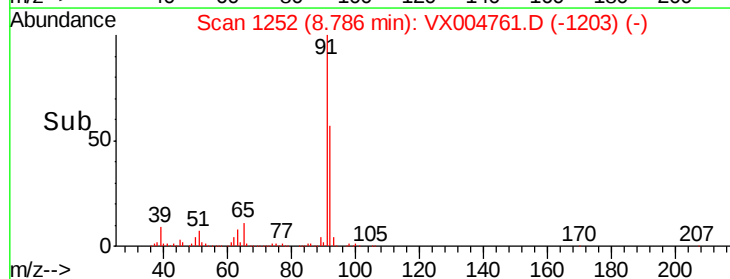
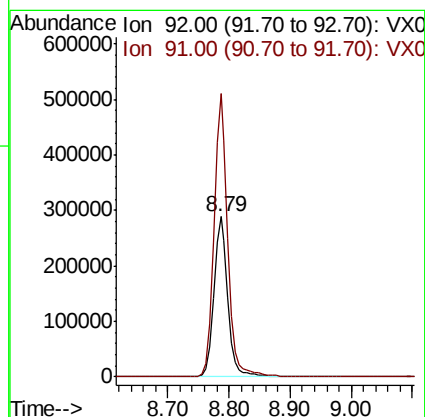
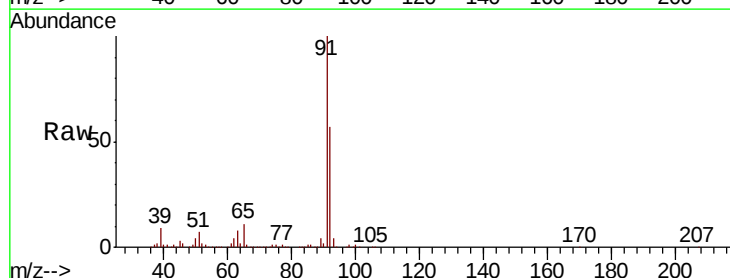
Acq: 27 Sep 2018 08:38

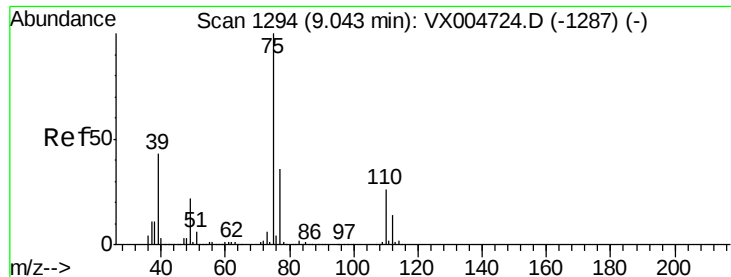
Tgt Ion: 92 Resp: 469558

Ion Ratio Lower Upper

92 100

91 173.8 136.4 204.6





#53

t-1,3-Dichloropropene

Concen: 48.385 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX004761.D

Acq: 27 Sep 2018 08:38

Instrument :

MSVOA_X

ClientSampleId :

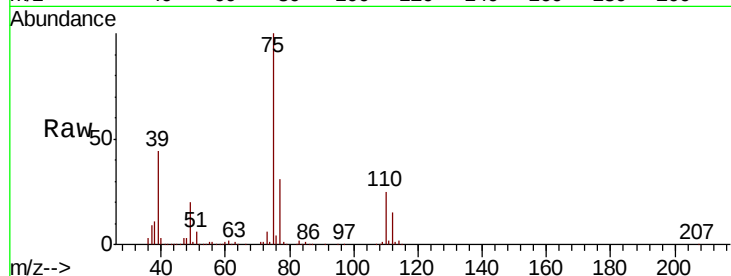
VSTDCCC050EC

Tot Ion: 75 Resp: 261481

Ion Ratio Lower Upper

75 100

77 30.7 24.6 37.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.04

200000

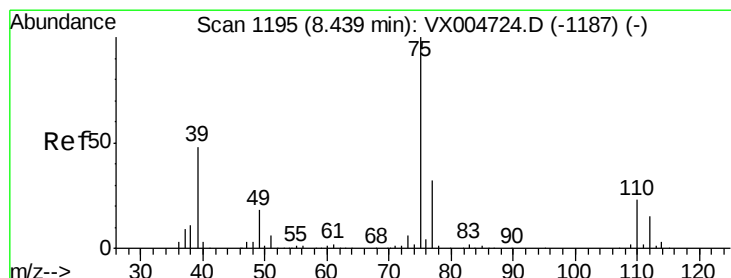
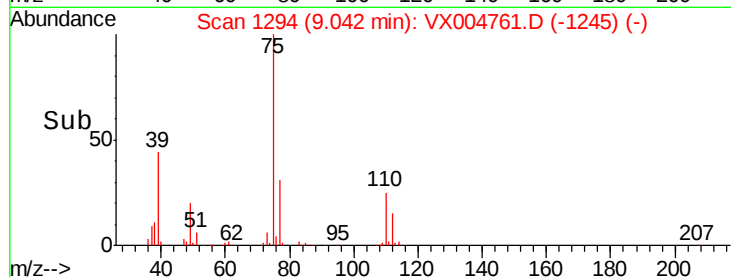
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 49.900 ug/l

RT: 8.44 min Scan# 1195

Delta R.T. -0.00 min

Lab File: VX004761.D

Acq: 27 Sep 2018 08:38

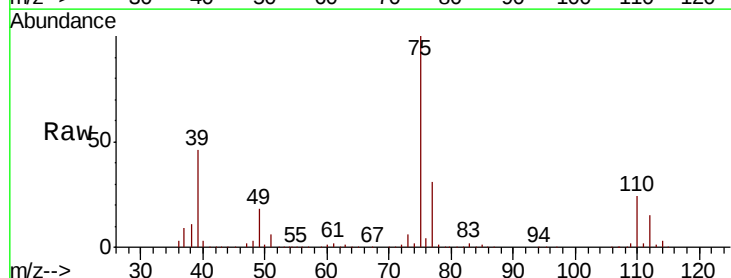
Tgt Ion: 75 Resp: 282462

Ion Ratio Lower Upper

75 100

77 31.0 26.2 39.2

39 46.2 36.4 54.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

8.44

250000

200000

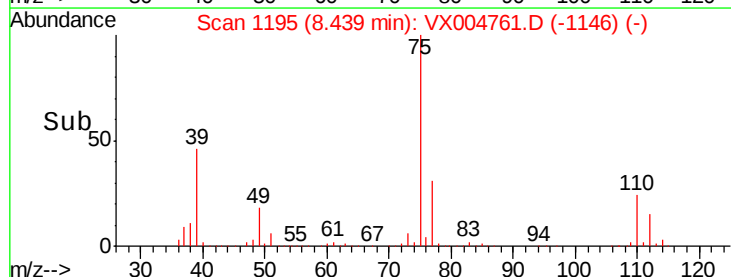
150000

100000

50000

0

Time-->

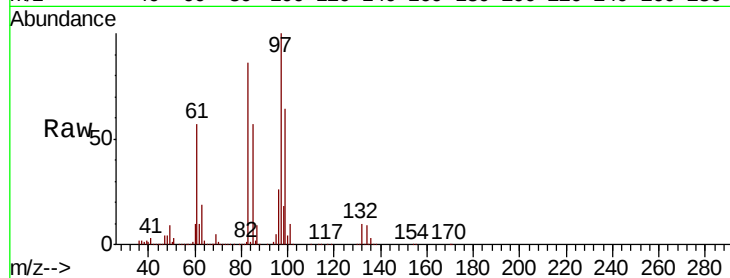




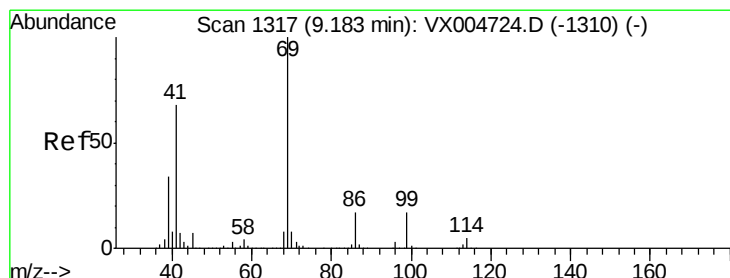
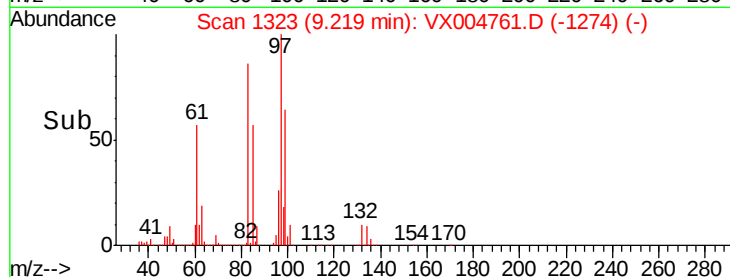
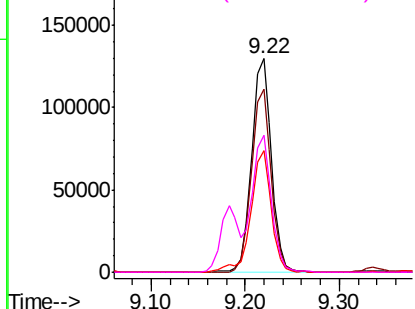
#55
 1,1,2-Trichloroethane
 Concen: 48.055 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VX004761.D
 Acq: 27 Sep 2018 08:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	191697
Ion	Ratio	Lower	Upper
97	100		
83	86.0	66.4	99.6
85	56.7	43.3	64.9
99	63.9	49.0	73.4

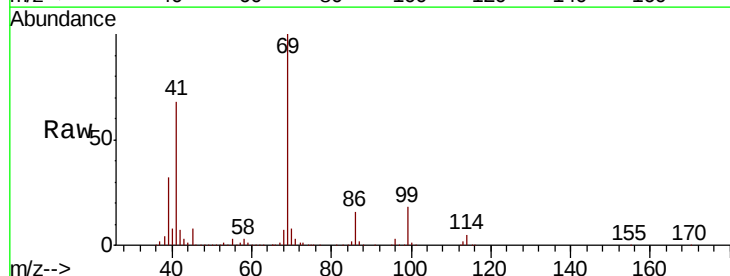


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

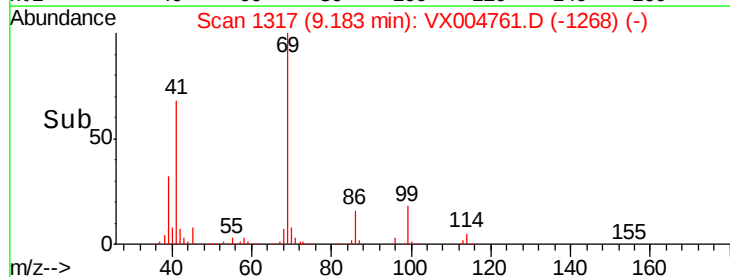
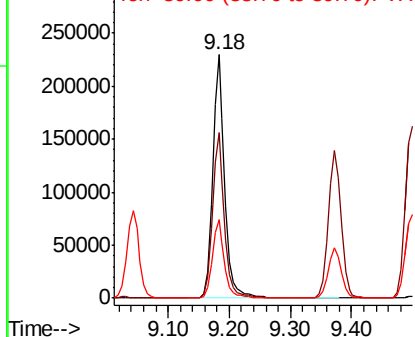


#56
 Ethyl methacrylate
 Concen: 49.200 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VX004761.D
 Acq: 27 Sep 2018 08:38

Tgt Ion:	69	Resp:	318172
Ion	Ratio	Lower	Upper
69	100		
41	68.2	51.0	76.4
39	32.5	26.1	39.1



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: 48.256 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX004761.D

Acq: 27 Sep 2018 08:38

Instrument :

MSVOA_X

ClientSampleId :

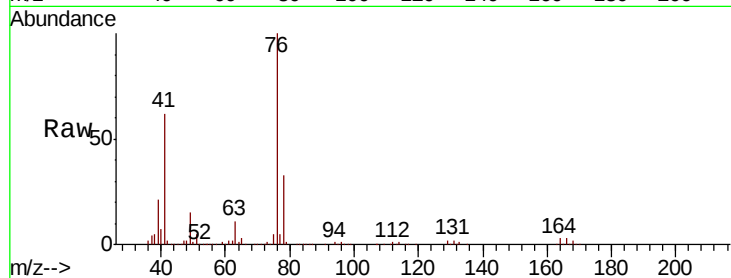
VSTDCCC050EC

Tot Ion: 76 Resp: 320381

Ion Ratio Lower Upper

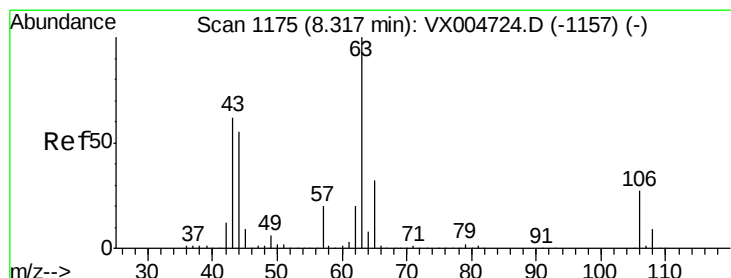
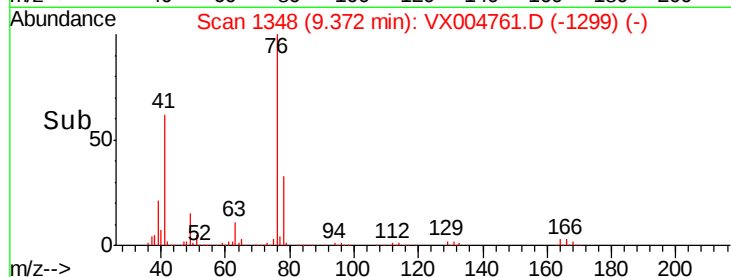
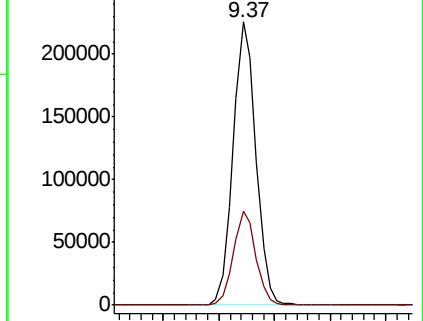
76 100

78 32.6 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 246.605 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VX004761.D

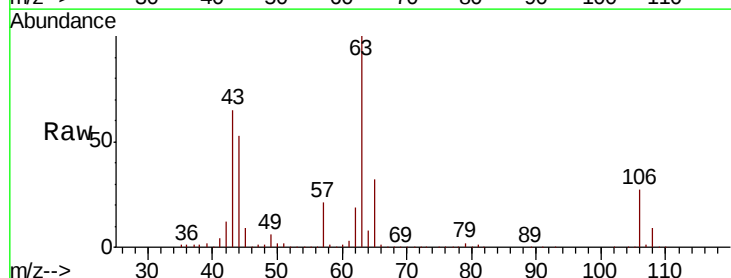
Acq: 27 Sep 2018 08:38

Tgt Ion: 63 Resp: 846930

Ion Ratio Lower Upper

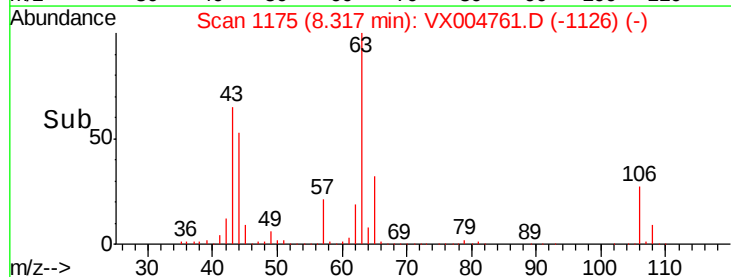
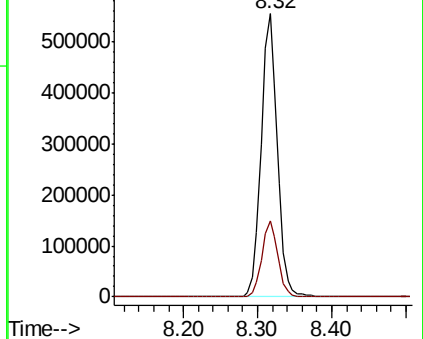
63 100

106 26.8 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

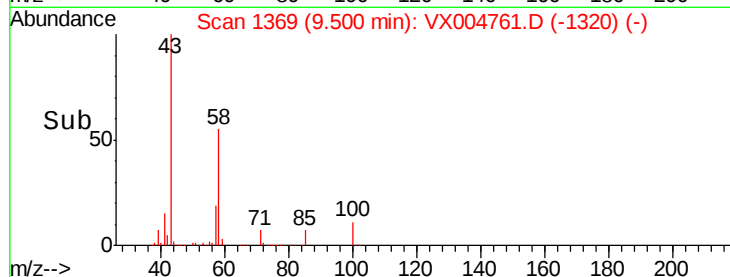
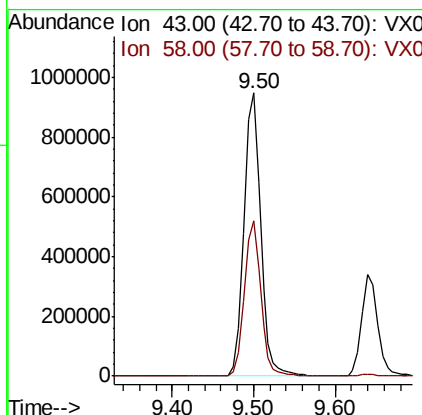
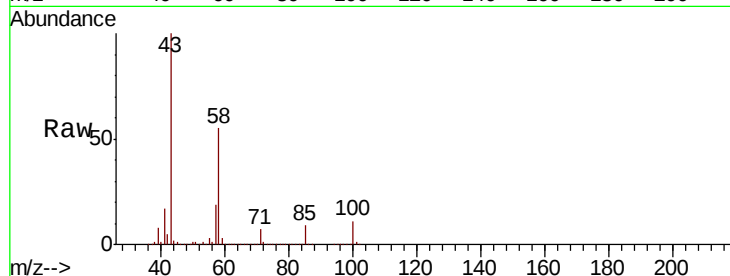




#59
2-Hexanone
Concen: 251.892 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VX004761.D
Acq: 27 Sep 2018 08:38

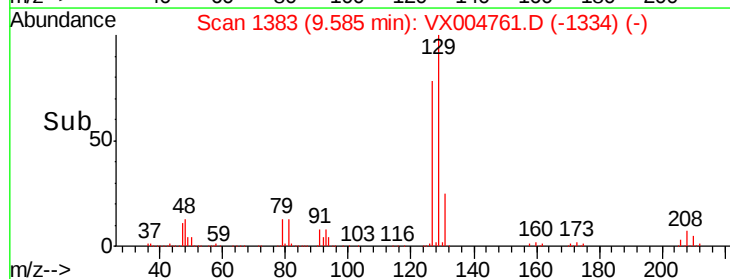
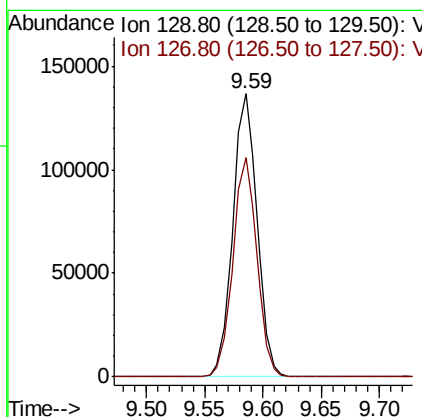
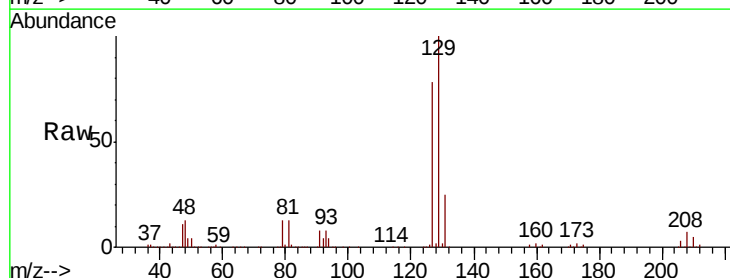
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

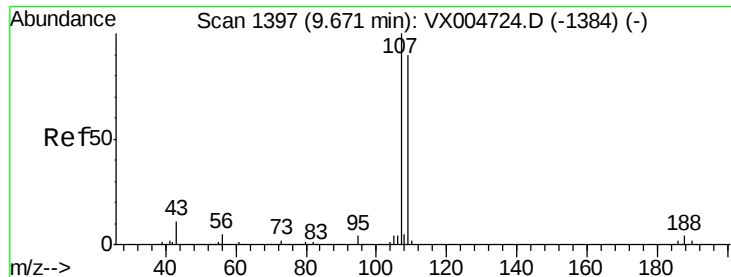
Tot Ion: 43 Resp: 1340517
Ion Ratio Lower Upper
43 100
58 54.2 29.0 87.0



#60
Dibromochloromethane
Concen: 49.832 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX004761.D
Acq: 27 Sep 2018 08:38

Tgt Ion: 129 Resp: 198802
Ion Ratio Lower Upper
129 100
127 76.6 38.5 115.5

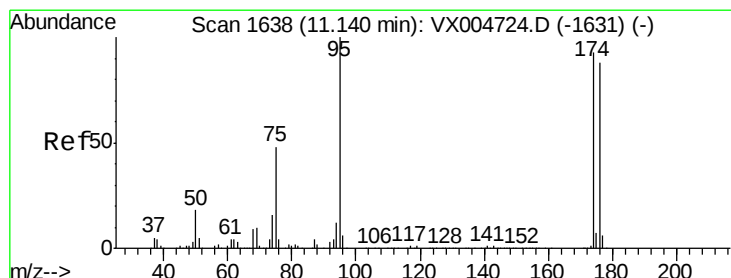
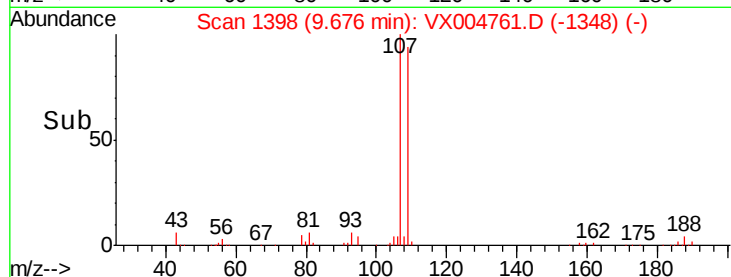
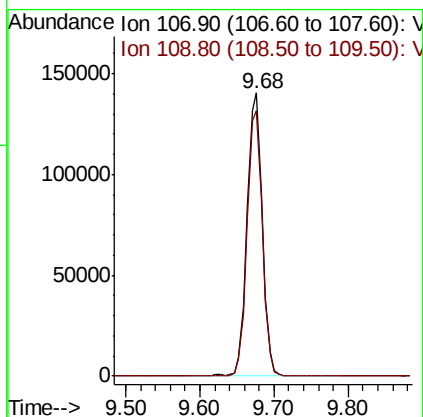
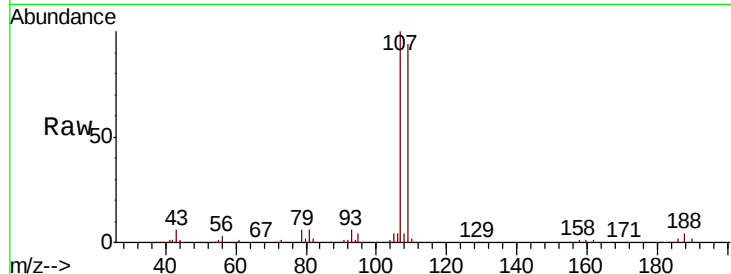




#61
 1,2-Dibromoethane
 Concen: 47.233 ug/l
 RT: 9.68 min Scan# 1398
 Delta R.T. 0.01 min
 Lab File: VX004761.D
 Acq: 27 Sep 2018 08:38

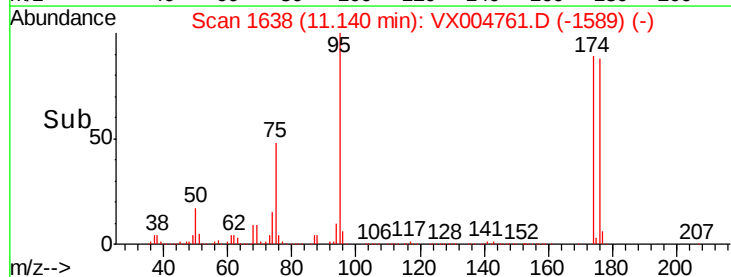
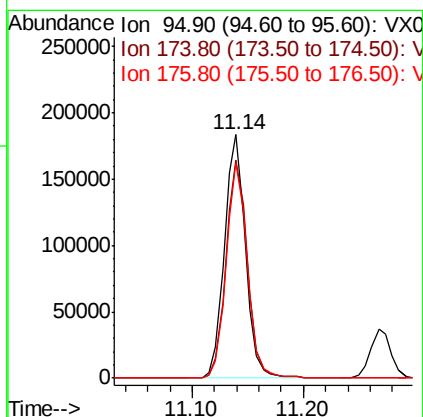
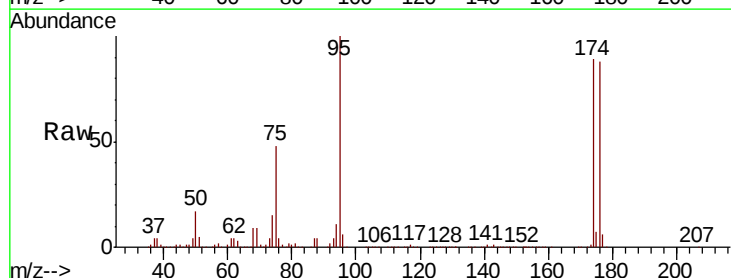
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

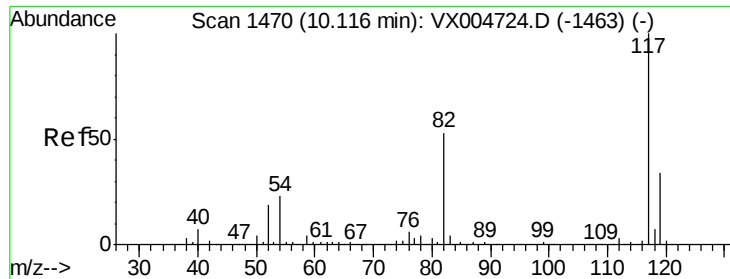
Tot Ion:107 Resp: 201786
 Ion Ratio Lower Upper
 107 100
 109 94.3 76.0 114.0



#62
 4-Bromofluorobenzene
 Concen: 51.639 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.00 min
 Lab File: VX004761.D
 Acq: 27 Sep 2018 08:38

Tgt Ion: 95 Resp: 239969
 Ion Ratio Lower Upper
 95 100
 174 90.9 0.0 185.2
 176 88.4 0.0 178.6

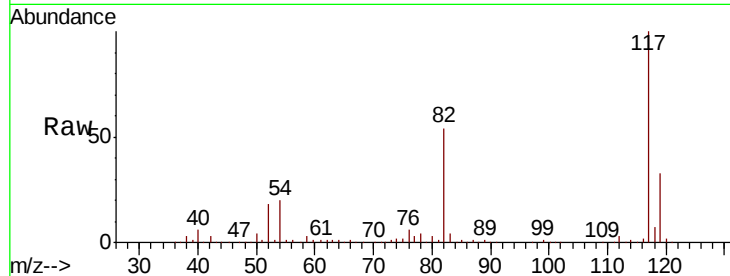




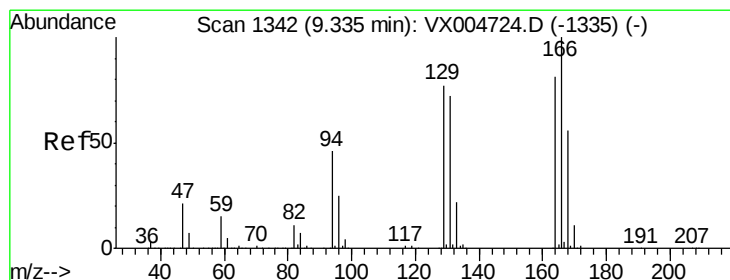
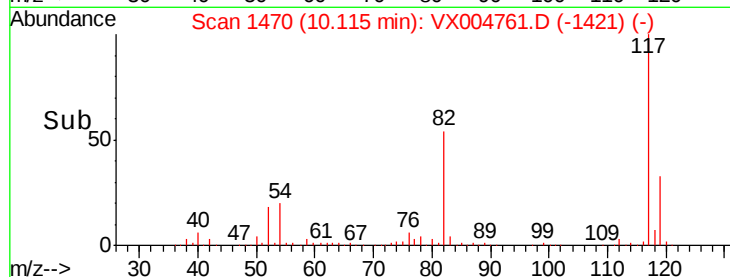
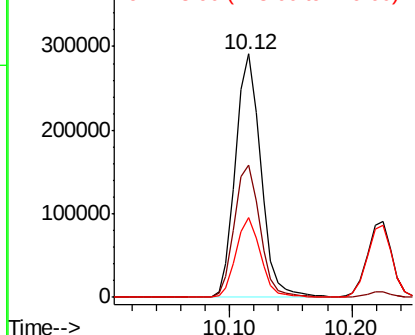
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004761.D
Acq: 27 Sep 2018 08:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 418038
Ion Ratio Lower Upper
117 100
82 54.3 47.8 71.6
119 32.7 29.3 43.9

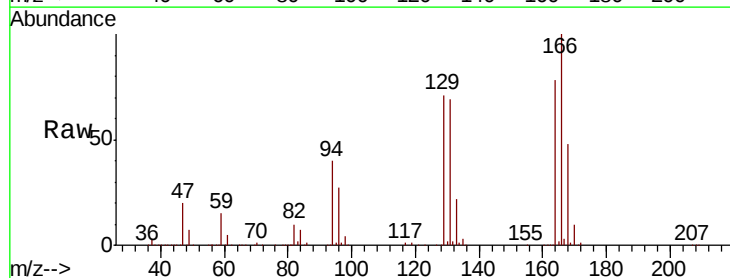


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX
Ion 118.90 (118.60 to 119.60): V

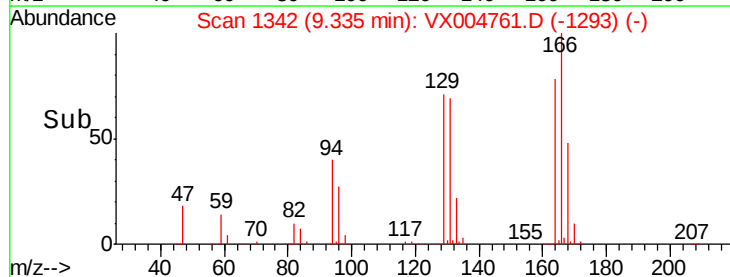
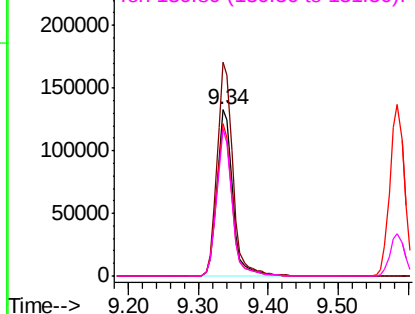


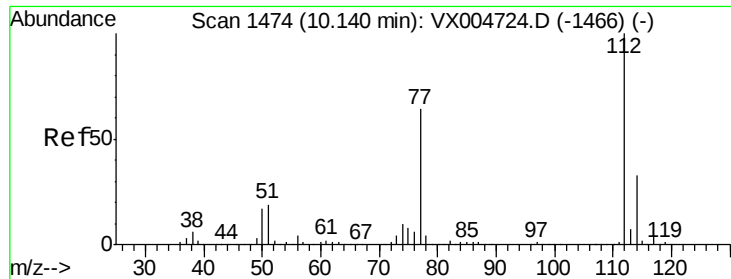
#64
Tetrachloroethene
Concen: 50.155 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX004761.D
Acq: 27 Sep 2018 08:38

Tgt Ion:164 Resp: 206357
Ion Ratio Lower Upper
164 100
166 128.5 102.8 154.2
129 91.8 69.4 104.0
131 88.4 67.9 101.9



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

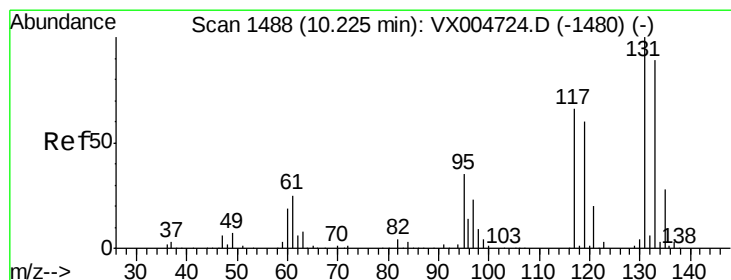
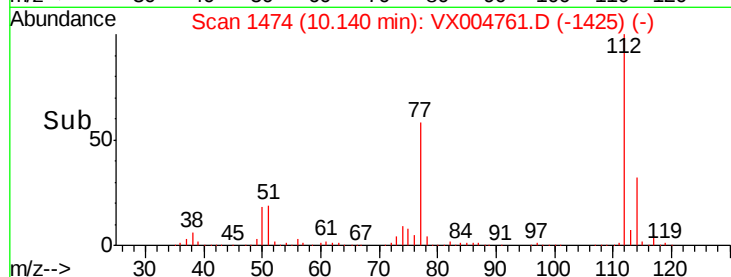
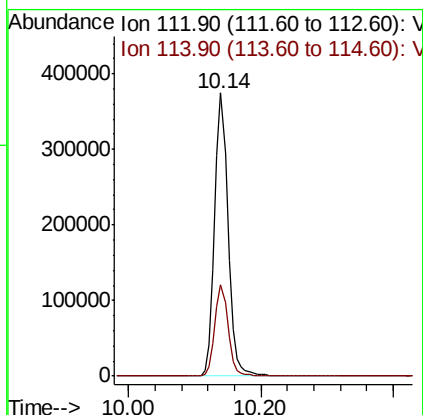
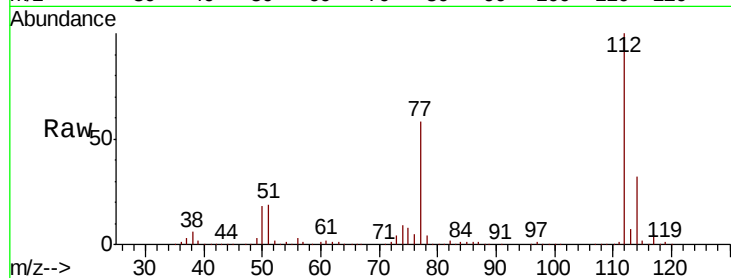




#65
Chlorobenzene
Concen: 48.841 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX004761.D
Acq: 27 Sep 2018 08:38

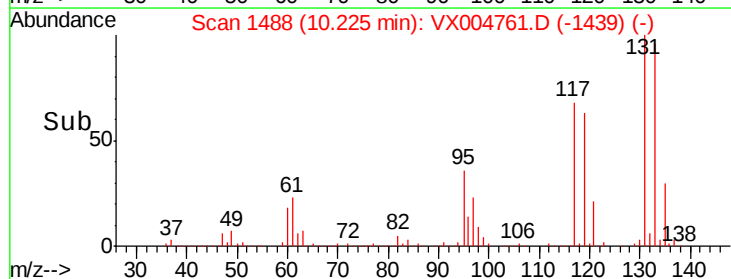
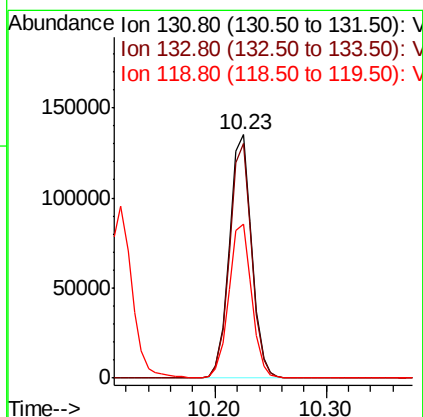
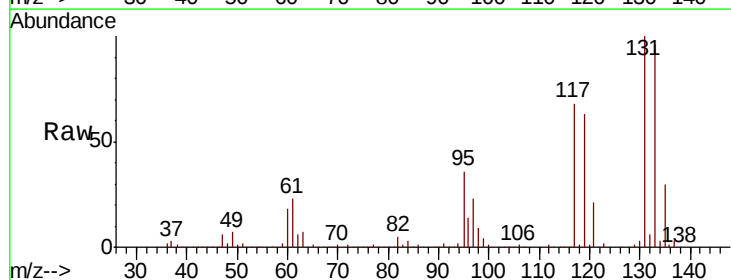
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

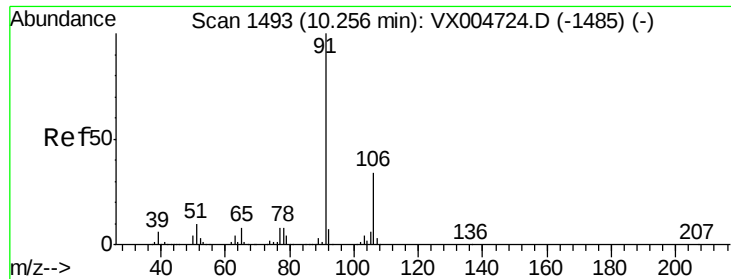
Tot Ion:112 Resp: 523559
Ion Ratio Lower Upper
112 100
114 32.3 27.8 41.8



#66
1,1,1,2-Tetrachloroethane
Concen: 49.419 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VX004761.D
Acq: 27 Sep 2018 08:38

Tgt Ion:131 Resp: 186240
Ion Ratio Lower Upper
131 100
133 95.9 48.1 144.4
119 65.1 32.9 98.6

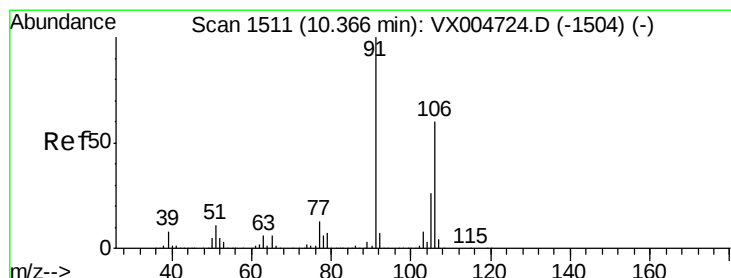
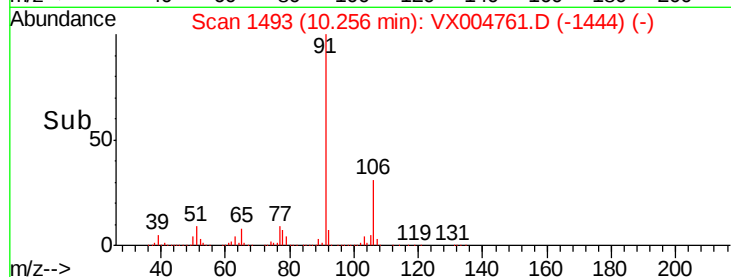
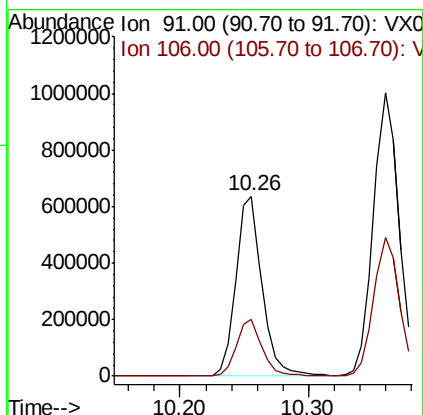
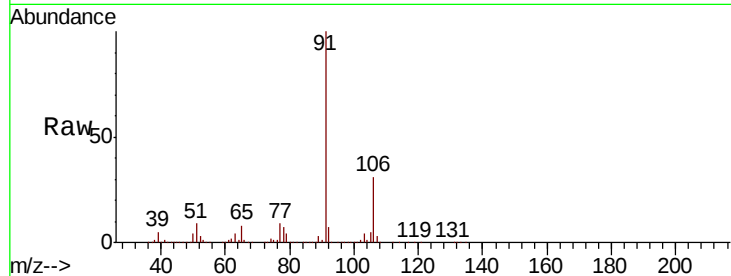




#67
Ethyl Benzene
Concen: 52.853 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VX004761.D
Acq: 27 Sep 2018 08:38

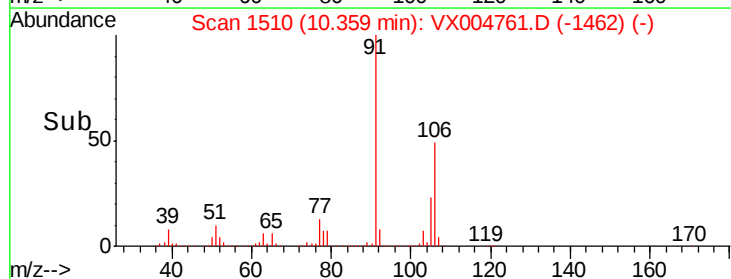
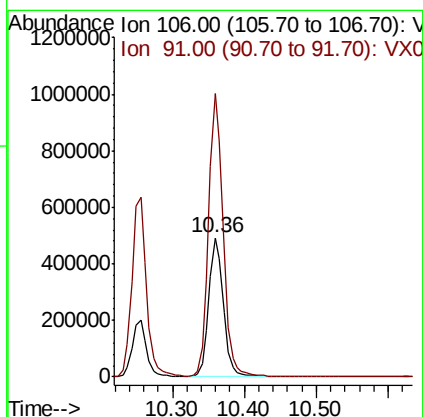
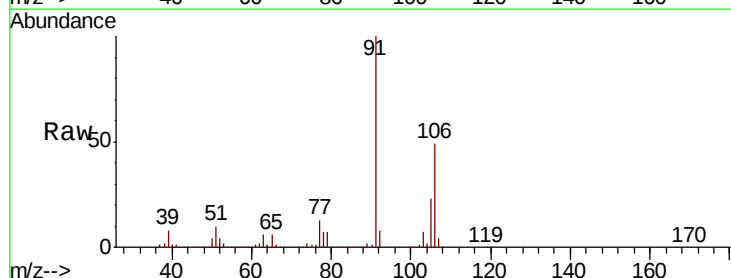
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

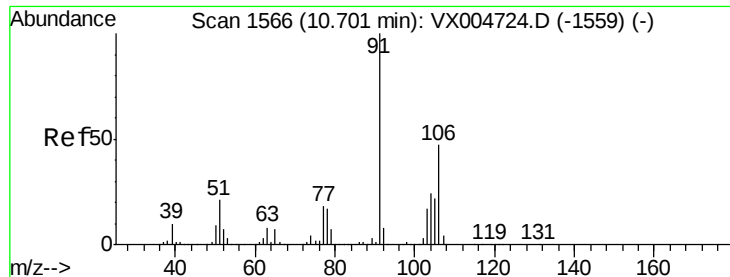
Tot Ion: 91 Resp: 899495
Ion Ratio Lower Upper
91 100
106 31.5 25.9 38.9



#68
m/p-Xylenes
Concen: 104.601 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.01 min
Lab File: VX004761.D
Acq: 27 Sep 2018 08:38

Tgt Ion: 106 Resp: 695648
Ion Ratio Lower Upper
106 100
91 202.8 157.1 235.7

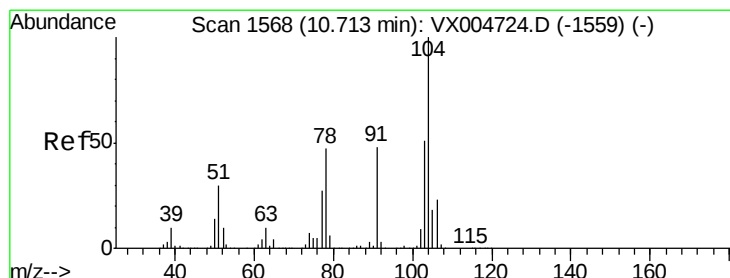
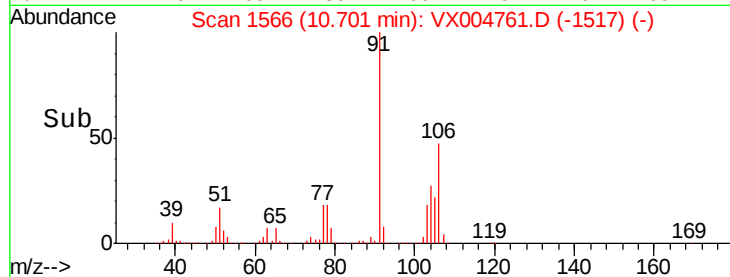
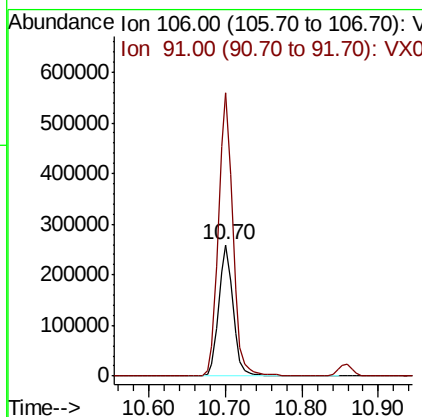
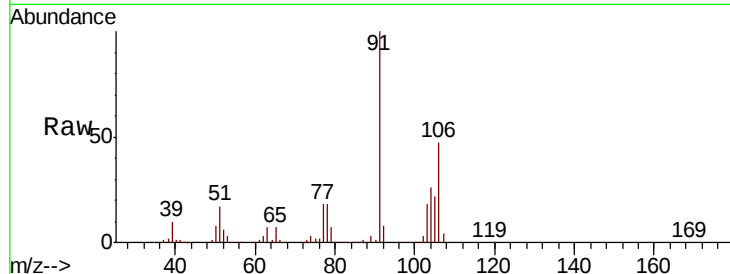




#69
o-Xylene
Concen: 55.309 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX004761.D
Acq: 27 Sep 2018 08:38

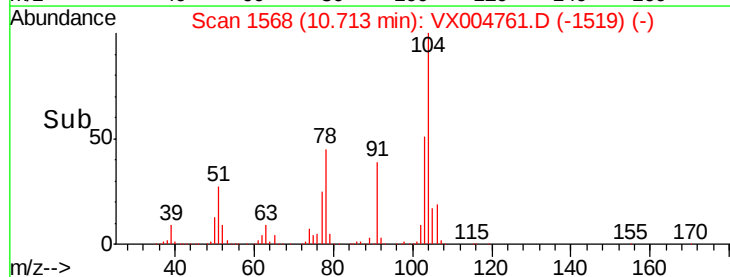
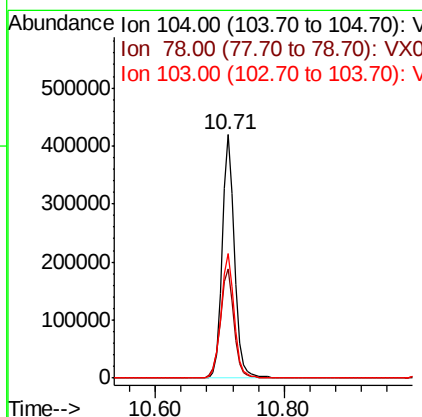
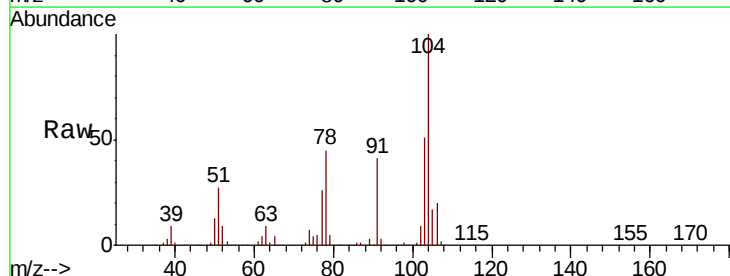
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

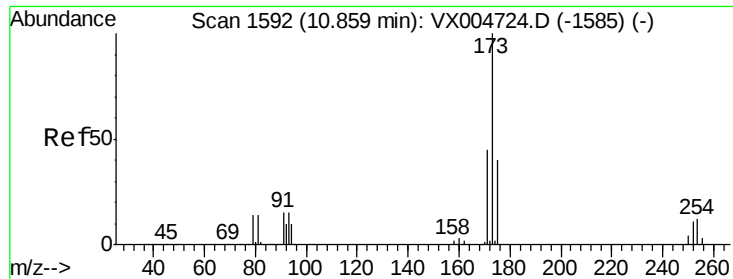
Tot Ion:106 Resp: 337849
Ion Ratio Lower Upper
106 100
91 215.6 105.1 315.1



#70
Styrene
Concen: 49.609 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX004761.D
Acq: 27 Sep 2018 08:38

Tgt Ion:104 Resp: 566569
Ion Ratio Lower Upper
104 100
78 49.6 37.4 56.0
103 55.4 43.8 65.6





#71

Bromoform

Concen: 50.569 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX004761.D

Acq: 27 Sep 2018 08:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

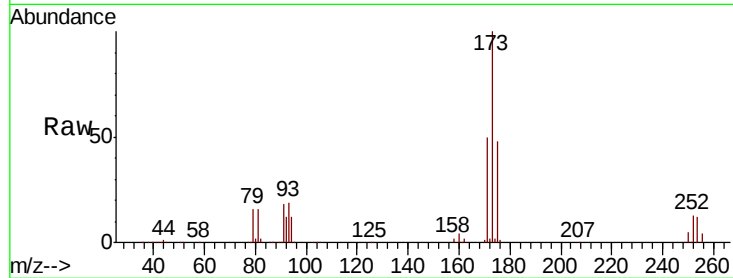
Tot Ion:173 Resp: 163156

Ion Ratio Lower Upper

173 100

175 48.2 24.1 72.3

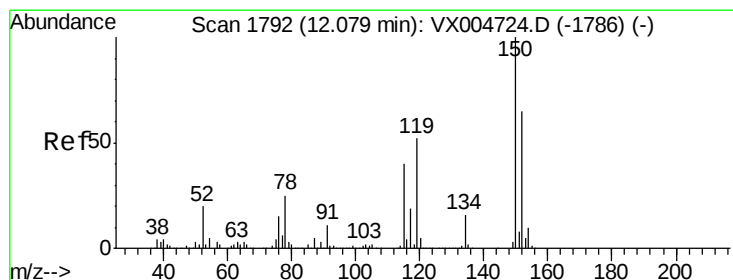
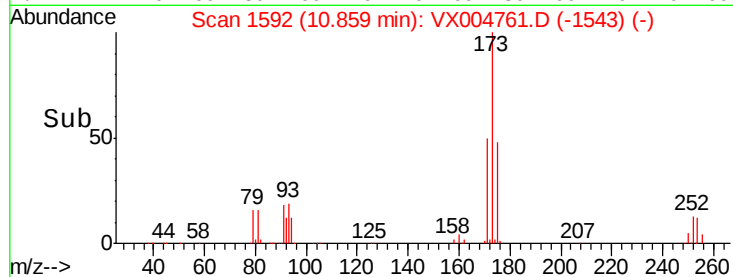
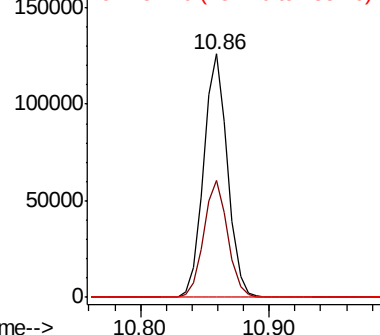
254 0.1 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX004761.D

Acq: 27 Sep 2018 08:38

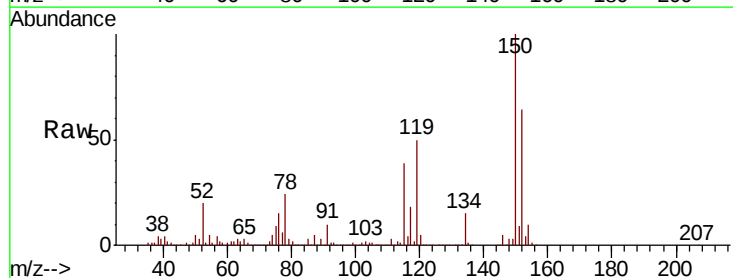
Tgt Ion:152 Resp: 248649

Ion Ratio Lower Upper

152 100

115 79.9 39.0 117.0

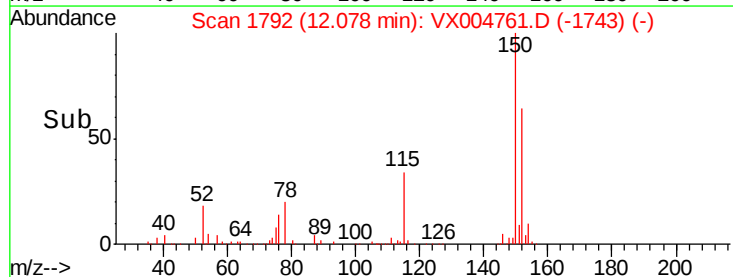
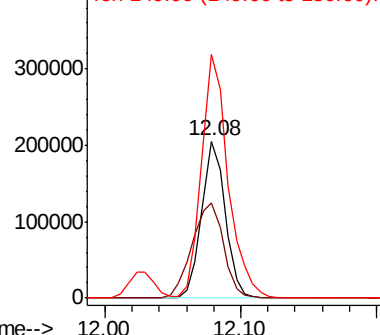
150 175.4 0.0 351.0

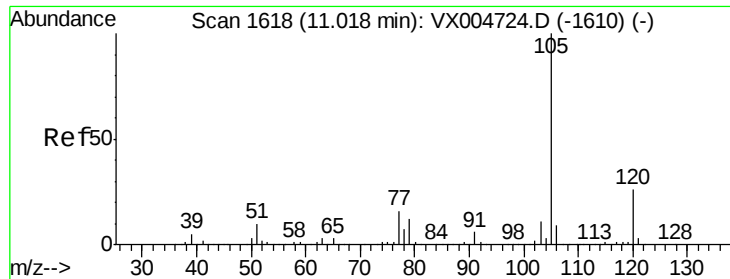


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 57.049 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX004761.D

Acq: 27 Sep 2018 08:38

Instrument :

MSVOA_X

ClientSampleId :

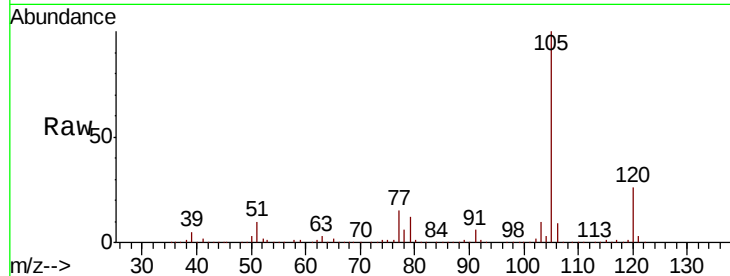
VSTDCCC050EC

Tot Ion:105 Resp: 894114

Ion Ratio Lower Upper

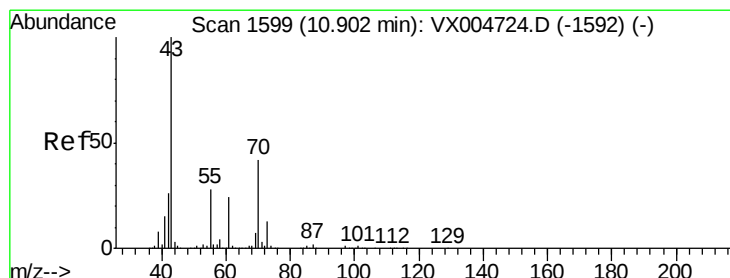
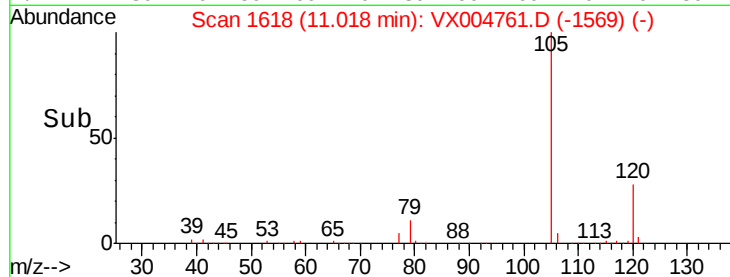
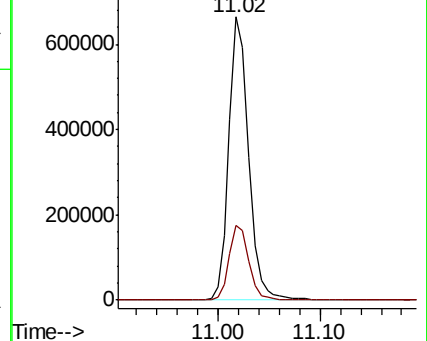
105 100

120 26.6 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.272 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. -0.00 min

Lab File: VX004761.D

Acq: 27 Sep 2018 08:38

Tgt Ion: 43 Resp: 451004

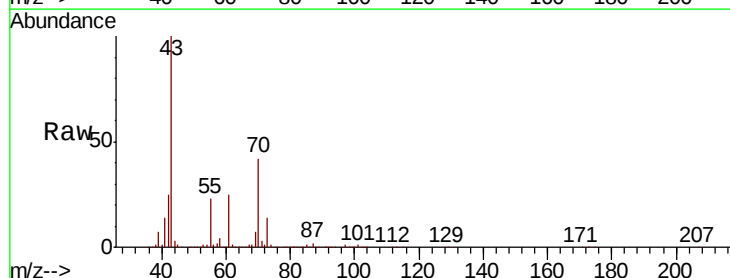
Ion Ratio Lower Upper

43 100

70 41.1 37.4 56.0

55 24.0 21.8 32.8

61 24.0 20.6 30.8

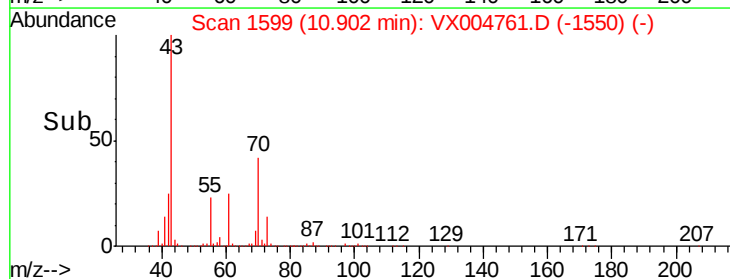
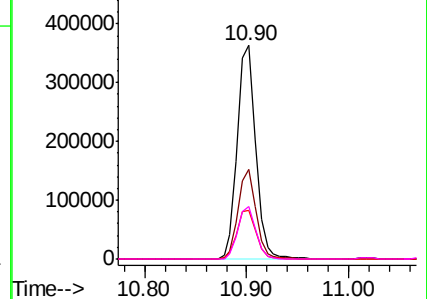


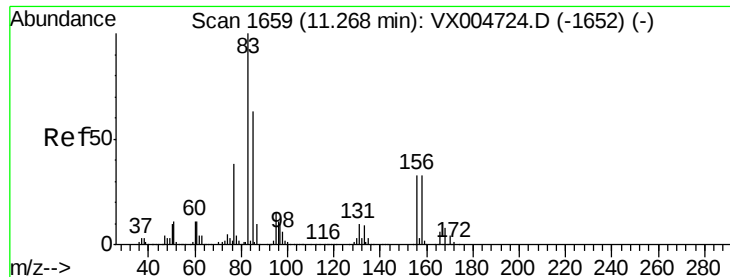
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 49.244 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX004761.D

Acq: 27 Sep 2018 08:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

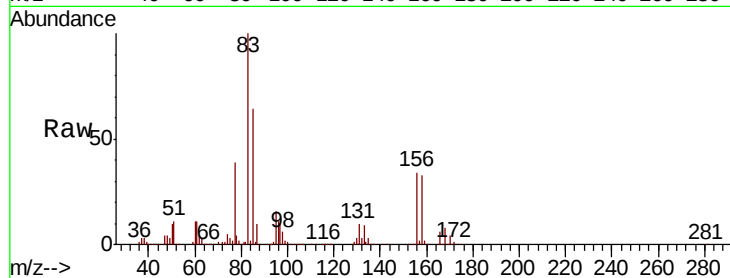
Tot Ion: 83 Resp: 314170

Ion Ratio Lower Upper

83 100

131 10.2 5.2 15.6

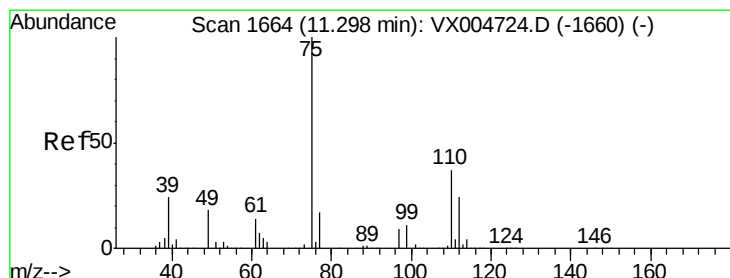
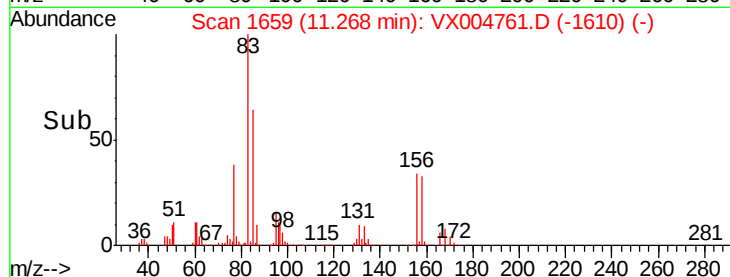
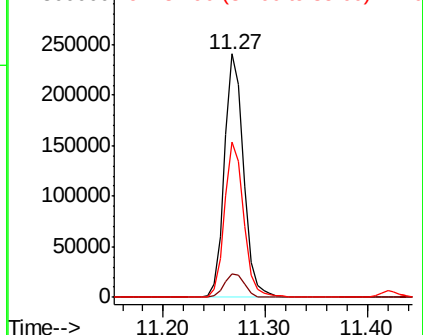
85 63.9 32.3 96.8



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: 62.181 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX004761.D

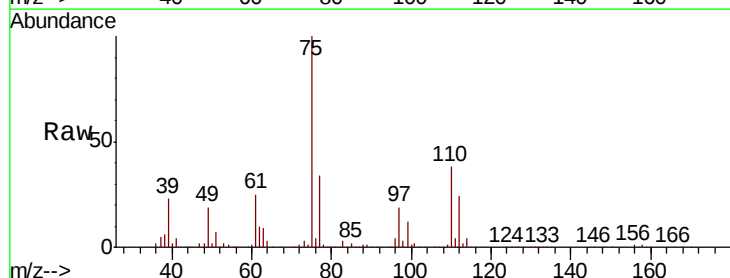
Acq: 27 Sep 2018 08:38

Tgt Ion: 75 Resp: 346544

Ion Ratio Lower Upper

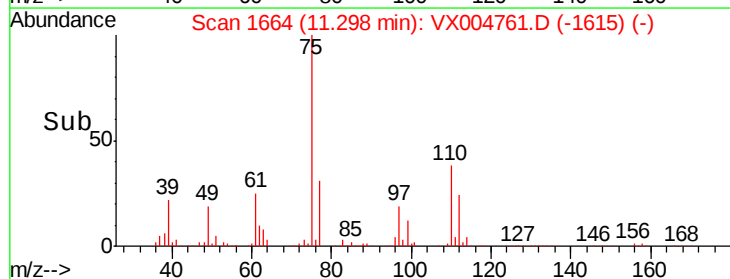
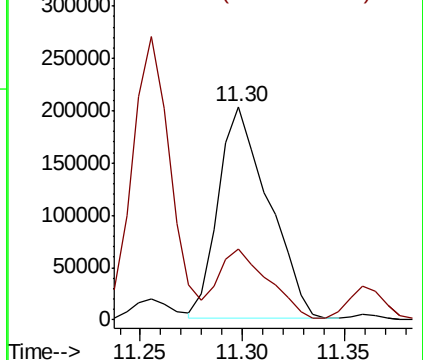
75 100

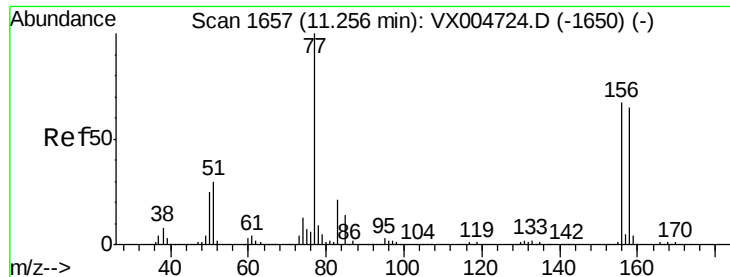
77 33.6 20.2 60.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 52.960 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX004761.D

Acq: 27 Sep 2018 08:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

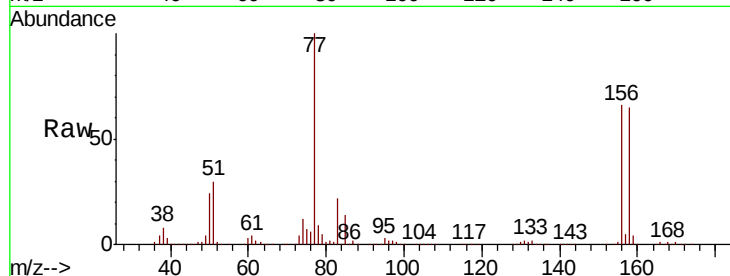
Tot Ion:156 Resp: 241087

Ion Ratio Lower Upper

156 100

77 146.4 71.5 214.3

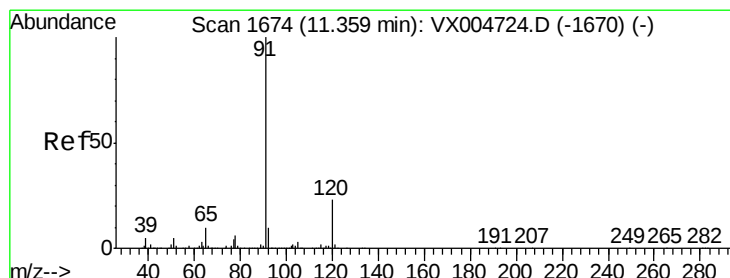
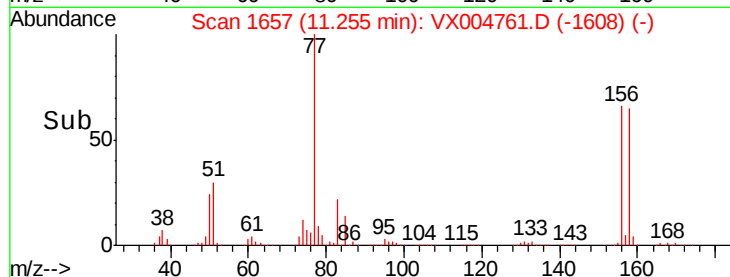
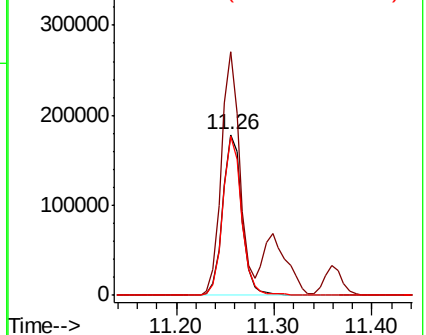
158 97.7 48.9 146.8



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: 57.253 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX004761.D

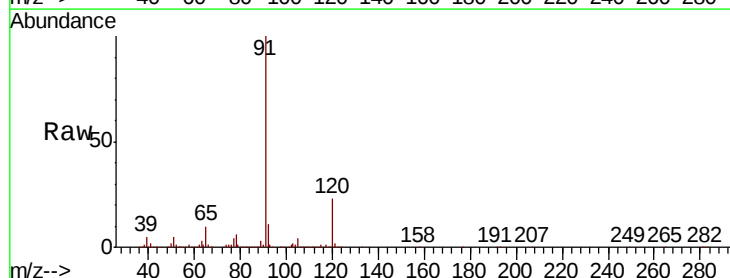
Acq: 27 Sep 2018 08:38

Tgt Ion: 91 Resp: 1029552

Ion Ratio Lower Upper

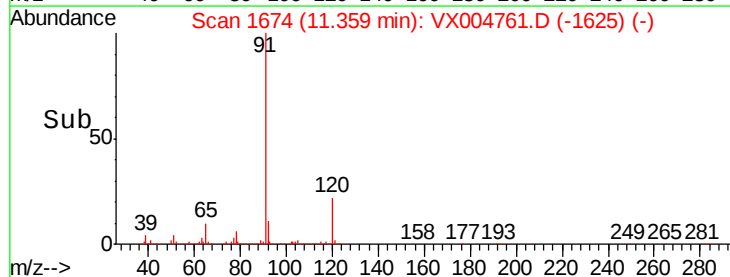
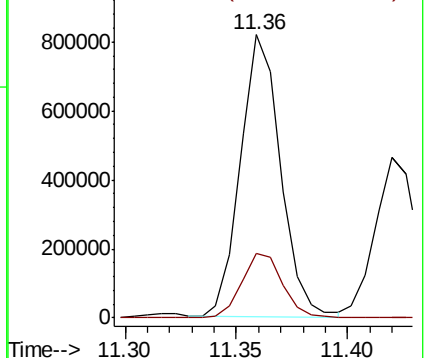
91 100

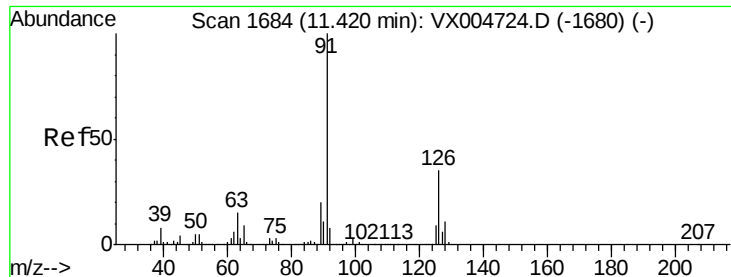
120 23.7 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 54.370 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX004761.D

Acq: 27 Sep 2018 08:38

Instrument :

MSVOA_X

ClientSampleId :

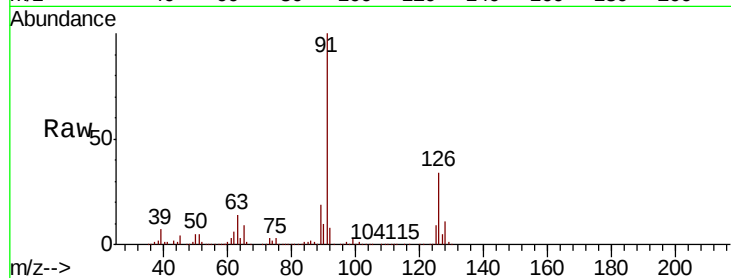
VSTDCCC050EC

Tot Ion: 91 Resp: 609425

Ion Ratio Lower Upper

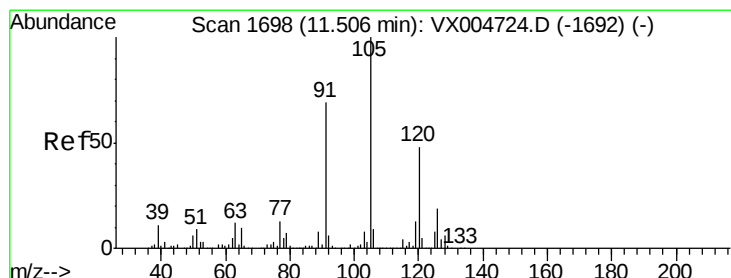
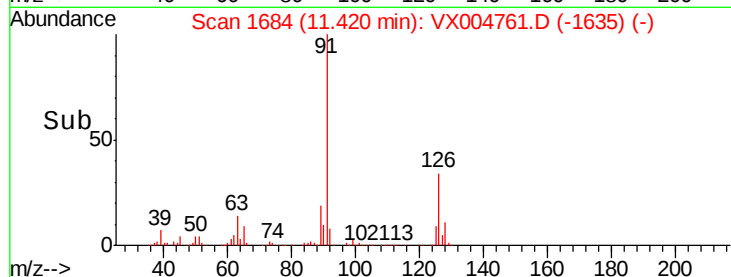
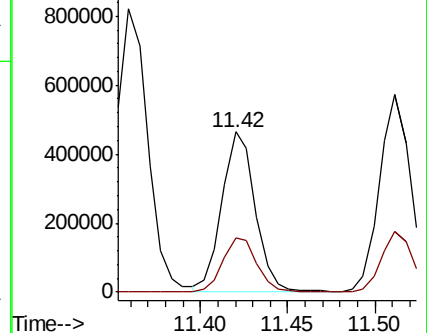
91 100

126 35.0 17.9 53.7



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: 53.017 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX004761.D

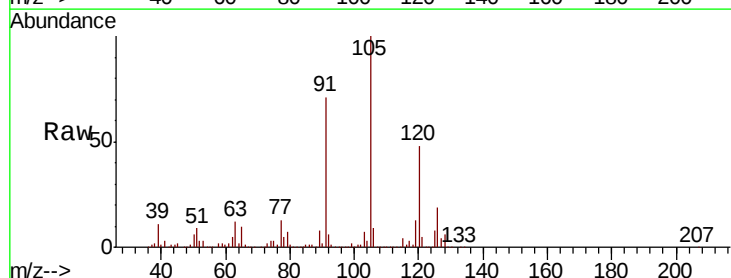
Acq: 27 Sep 2018 08:38

Tgt Ion:105 Resp: 761398

Ion Ratio Lower Upper

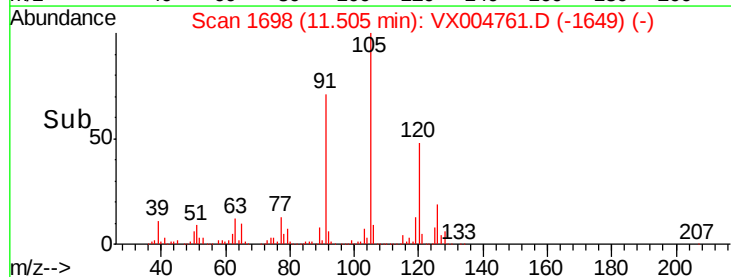
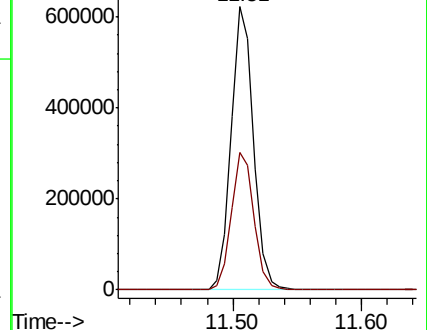
105 100

120 49.0 25.6 76.8



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: 40.010 ug/l

RT: 11.08 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VX004761.D

Acq: 27 Sep 2018 08:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

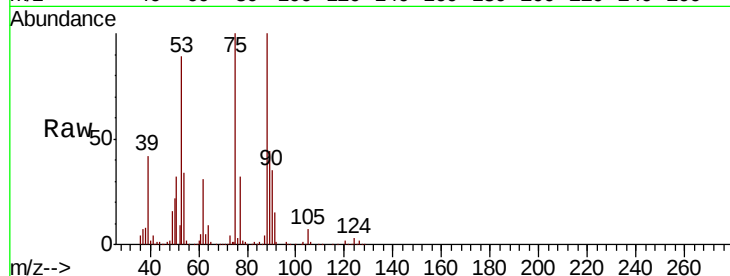
Tot Ion: 75 Resp: 80912

Ion Ratio Lower Upper

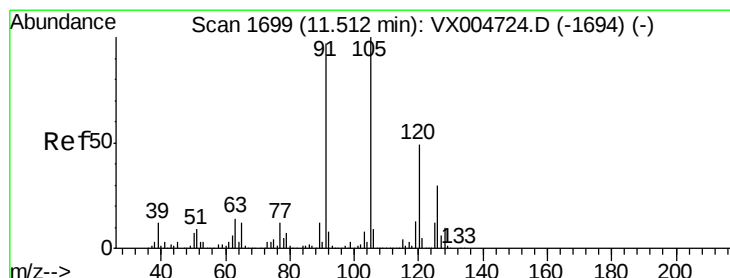
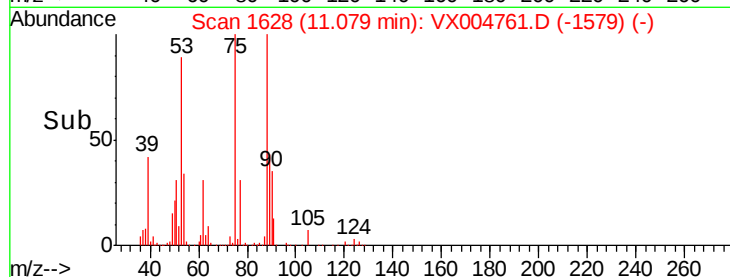
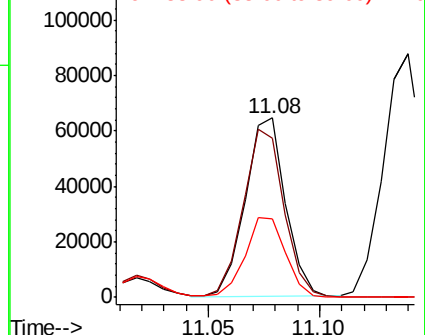
75 100

53 95.5 80.1 120.1

89 45.2 37.2 55.8



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



#82

4-Chlorotoluene

Concen: 54.601 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX004761.D

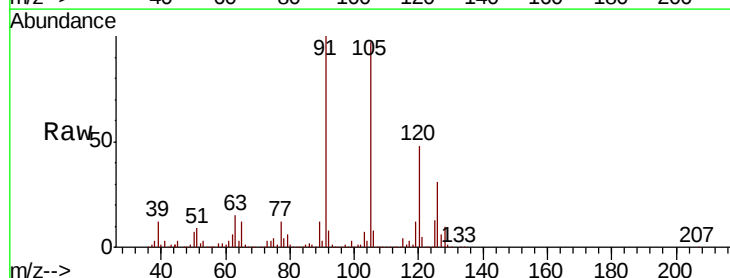
Acq: 27 Sep 2018 08:38

Tgt Ion: 91 Resp: 720372

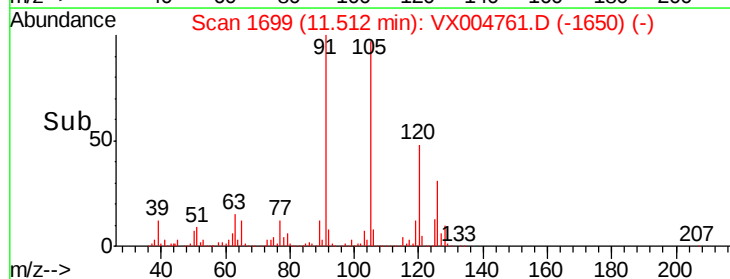
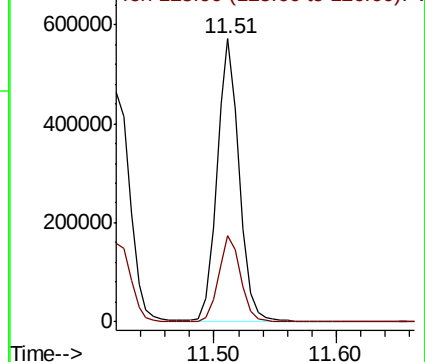
Ion Ratio Lower Upper

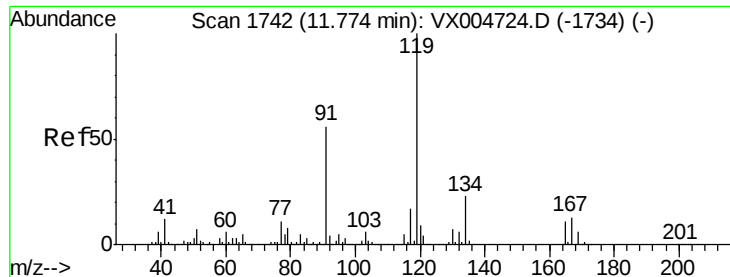
91 100

126 30.6 15.5 46.5



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

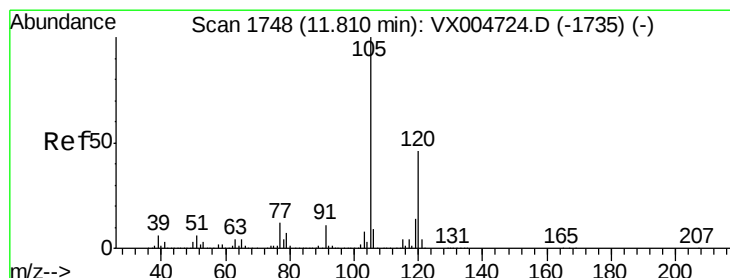
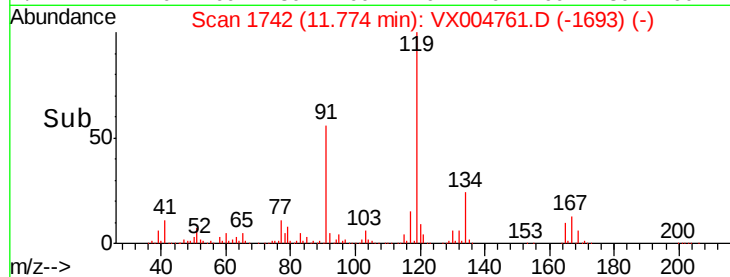
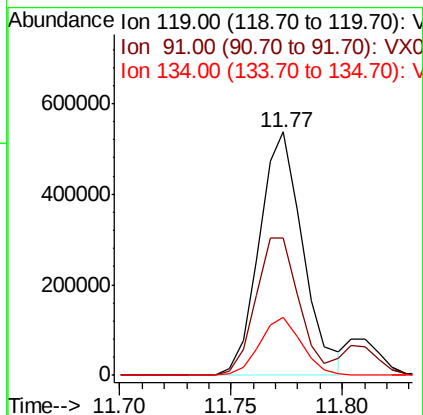
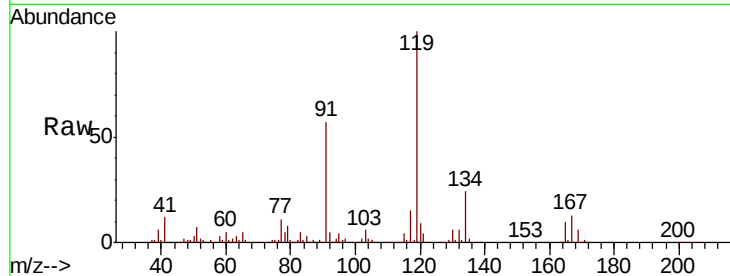




#83
 tert-Butylbenzene
 Concen: 56.765 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VX004761.D
 Acq: 27 Sep 2018 08:38

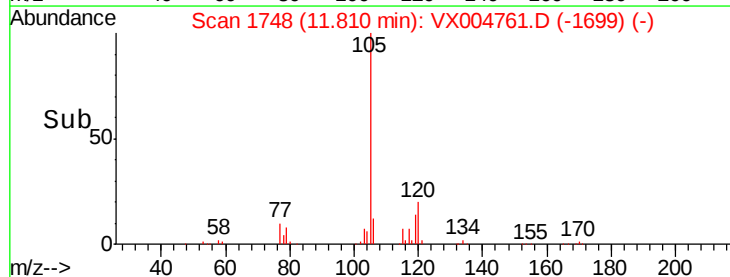
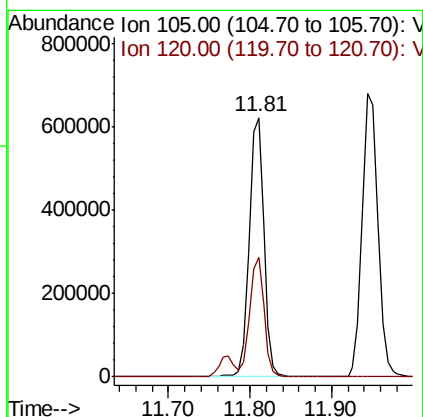
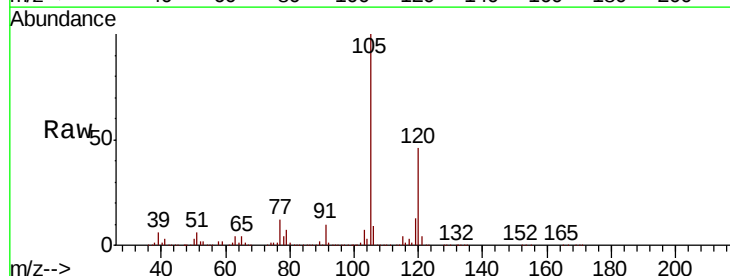
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:119 Resp: 732484
 Ion Ratio Lower Upper
 119 100
 91 56.2 27.0 81.0
 134 23.0 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 52.683 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.00 min
 Lab File: VX004761.D
 Acq: 27 Sep 2018 08:38

Tgt Ion:105 Resp: 780277
 Ion Ratio Lower Upper
 105 100
 120 45.0 23.2 69.6





#85

sec-Butylbenzene

Concen: 57.115 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX004761.D

Acq: 27 Sep 2018 08:38

Instrument :

MSVOA_X

ClientSampleId :

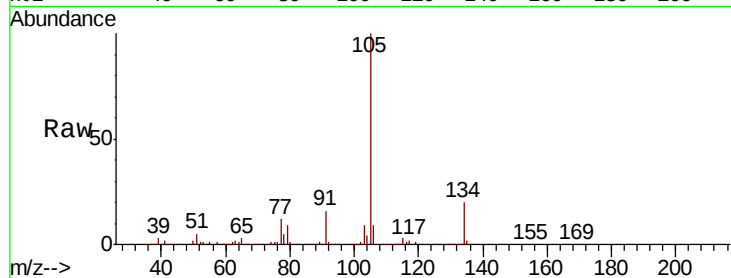
VSTDCCC050EC

Tot Ion:105 Resp: 897694

Ion Ratio Lower Upper

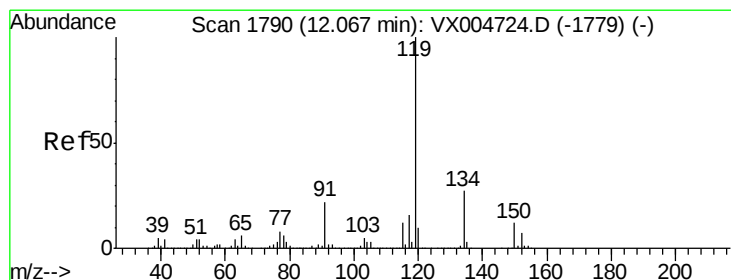
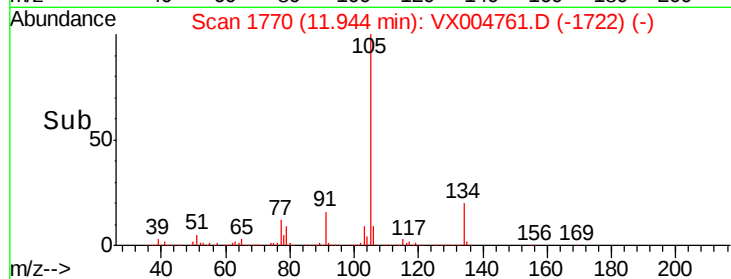
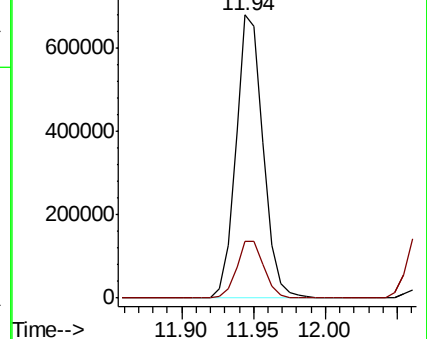
105 100

134 20.4 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 56.653 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX004761.D

Acq: 27 Sep 2018 08:38

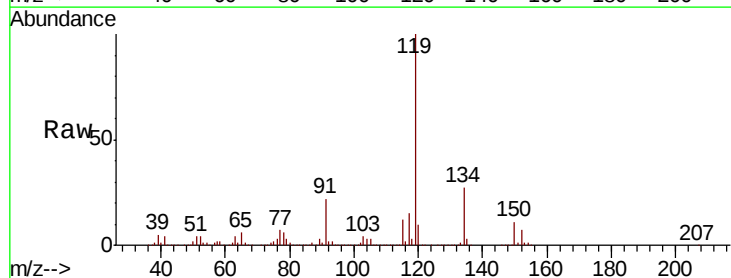
Tgt Ion:119 Resp: 806730

Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.2

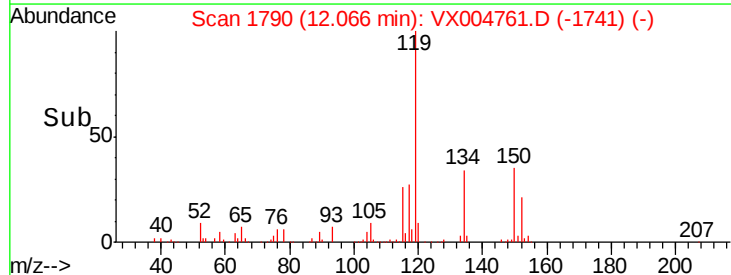
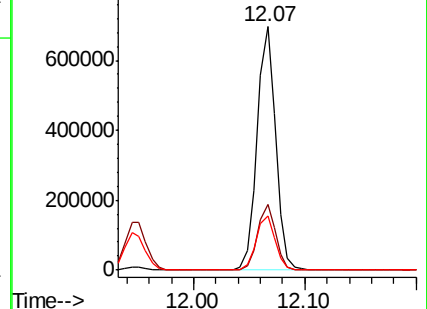
91 22.6 10.9 32.7

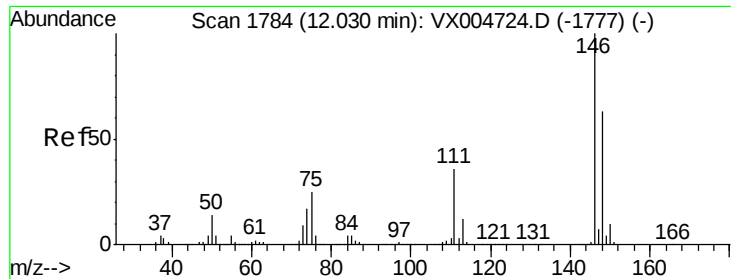


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 51.659 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.01 min

Lab File: VX004761.D

Acq: 27 Sep 2018 08:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

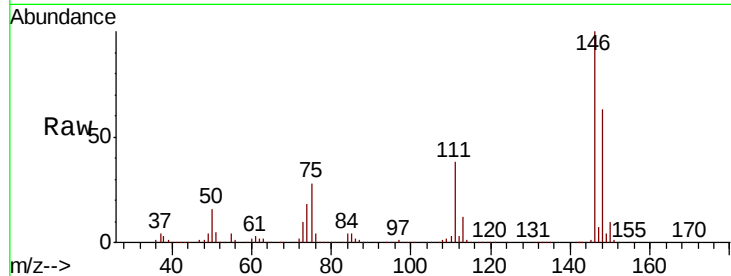
Tot Ion:146 Resp: 439122

Ion Ratio Lower Upper

146 100

111 37.8 18.7 56.1

148 64.3 32.1 96.5

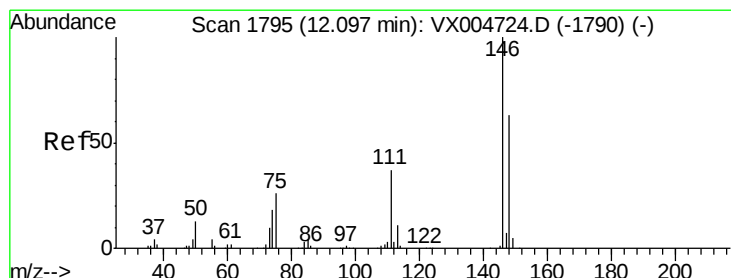
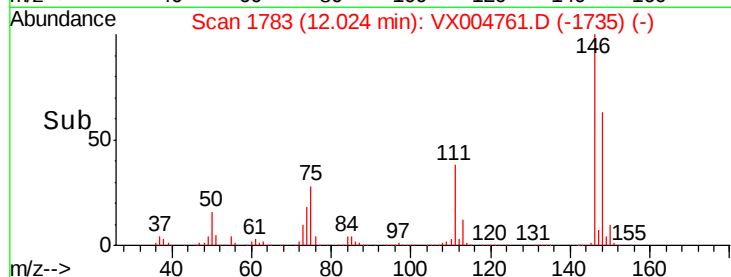
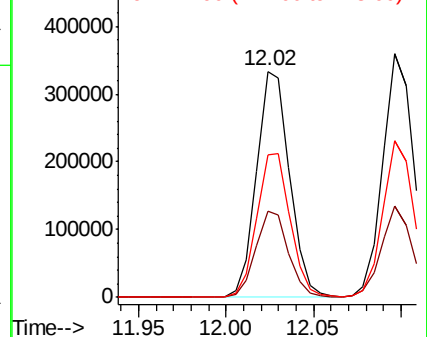


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 50.578 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VX004761.D

Acq: 27 Sep 2018 08:38

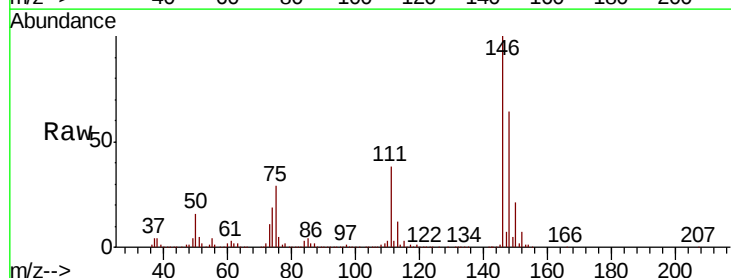
Tgt Ion:146 Resp: 443816

Ion Ratio Lower Upper

146 100

111 37.2 18.1 54.1

148 64.4 32.0 96.0

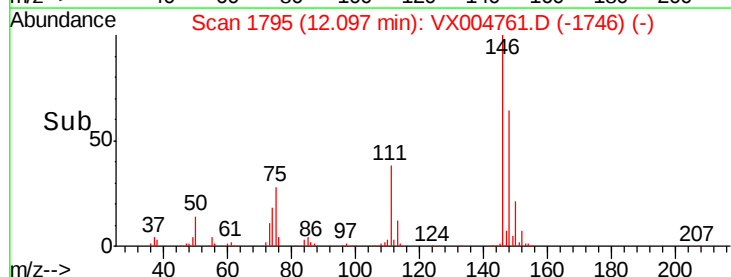
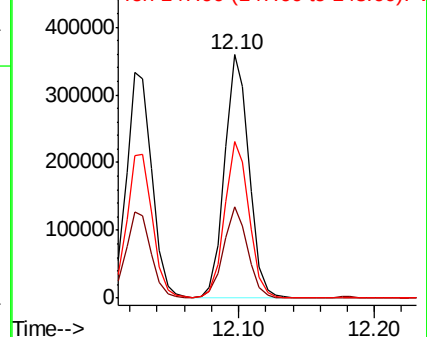


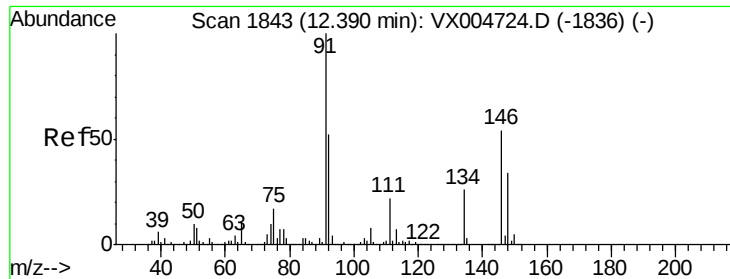
Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

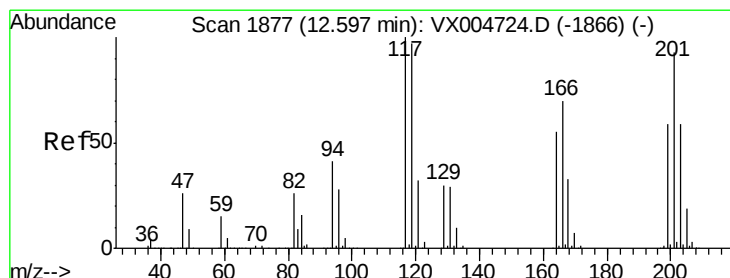
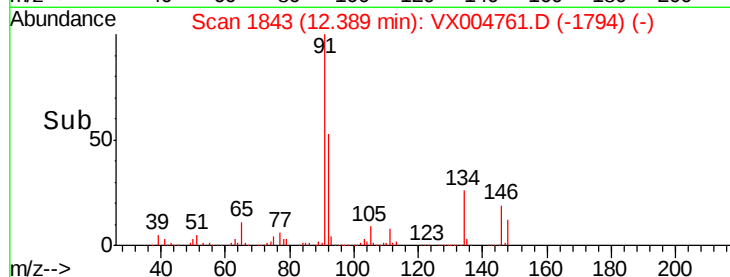
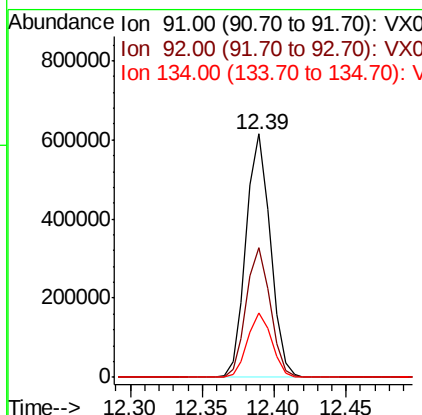
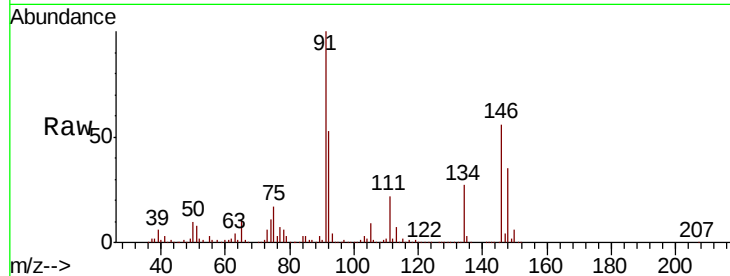




#89
n-Butylbenzene
Concen: 55.467 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX004761.D
Acq: 27 Sep 2018 08:38

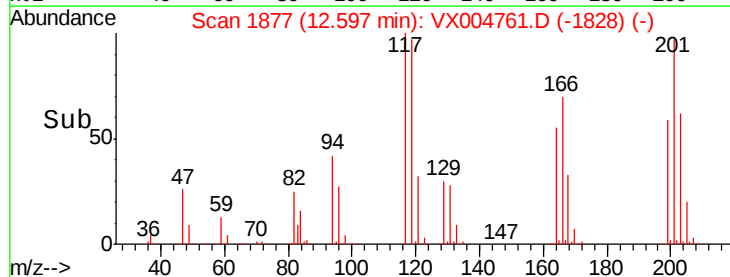
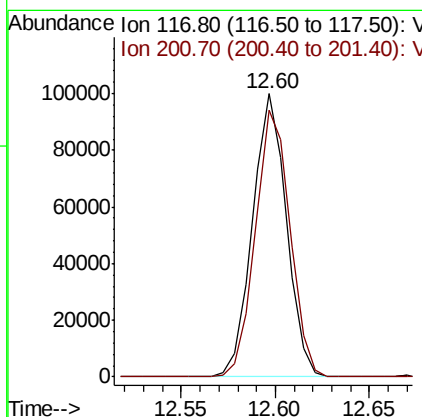
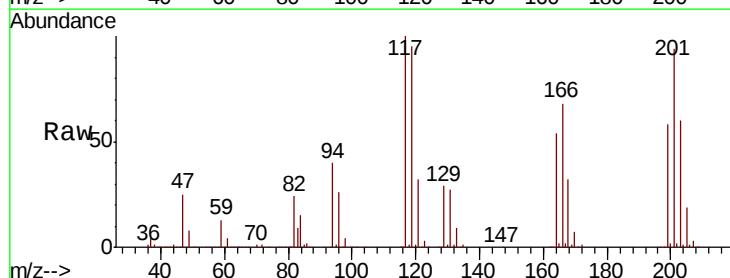
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

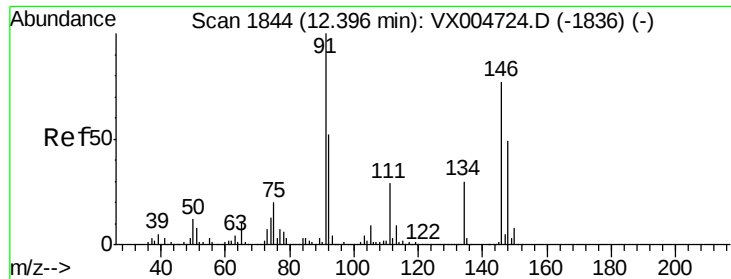
Tot Ion: 91 Resp: 717331
Ion Ratio Lower Upper
91 100
92 52.9 27.3 81.9
134 26.4 13.6 40.7



#90
Hexachloroethane
Concen: 52.439 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX004761.D
Acq: 27 Sep 2018 08:38

Tgt Ion: 117 Resp: 124329
Ion Ratio Lower Upper
117 100
201 96.4 46.9 140.6





#91

1,2-Dichlorobenzene

Concen: 49.976 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VX004761.D

Acq: 27 Sep 2018 08:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

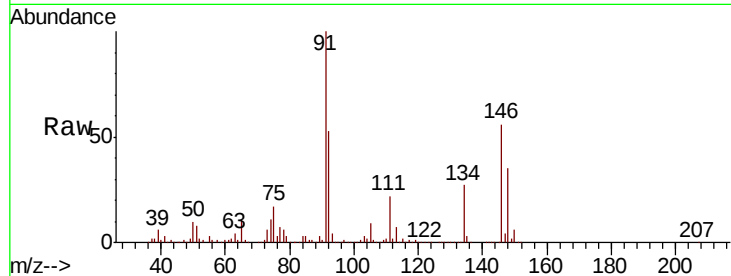
Tot Ion:146 Resp: 443949

Ion Ratio Lower Upper

146 100

111 39.2 19.4 58.1

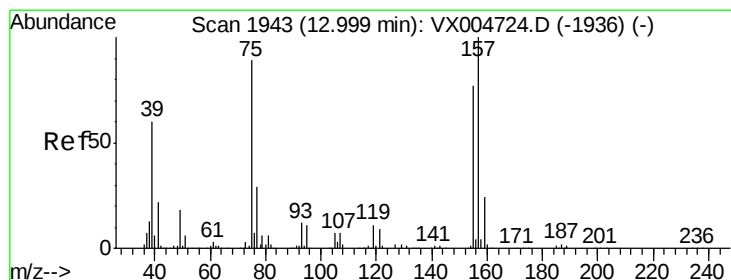
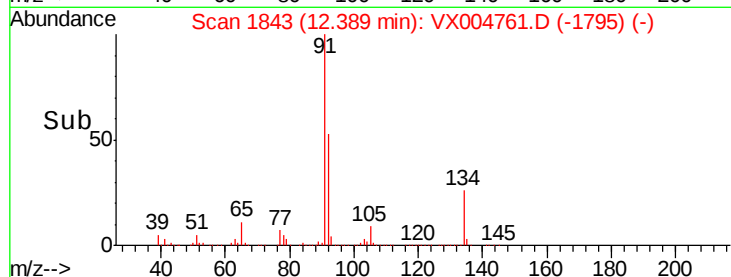
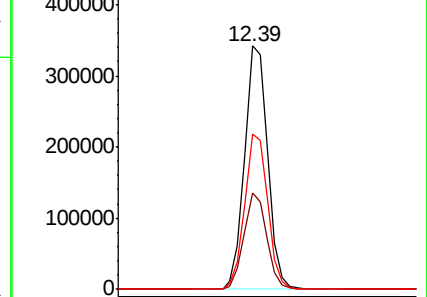
148 63.9 32.8 98.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 51.503 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX004761.D

Acq: 27 Sep 2018 08:38

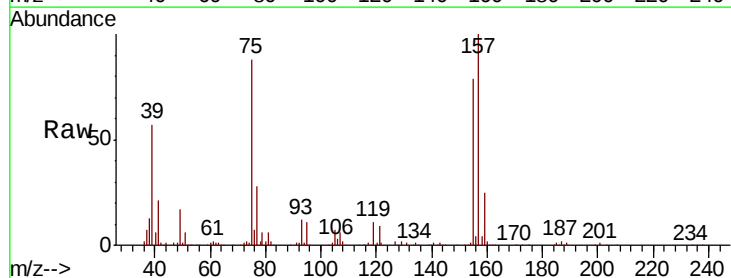
Tgt Ion: 75 Resp: 72146

Ion Ratio Lower Upper

75 100

155 97.1 48.0 144.2

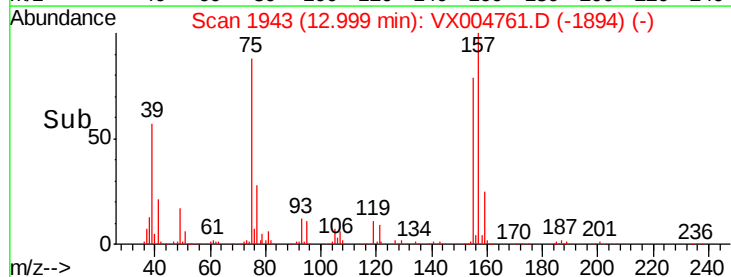
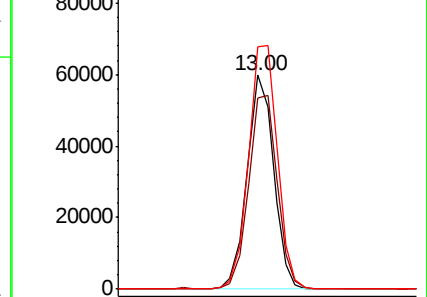
157 123.1 61.4 184.1

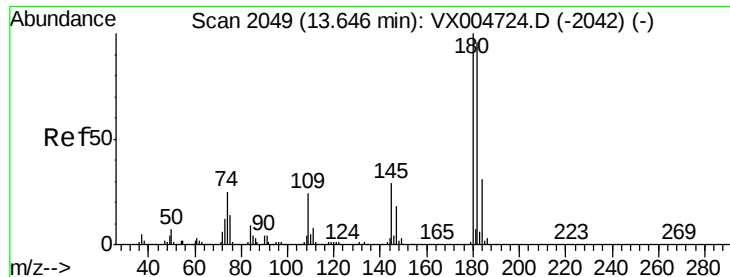


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

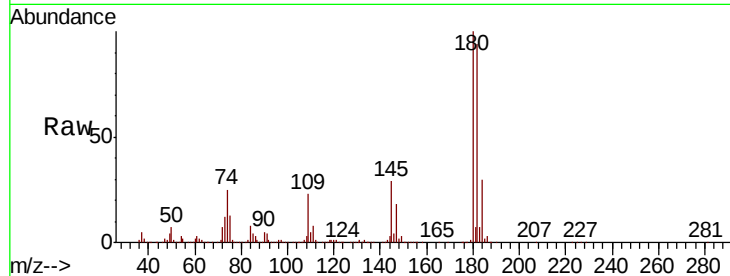




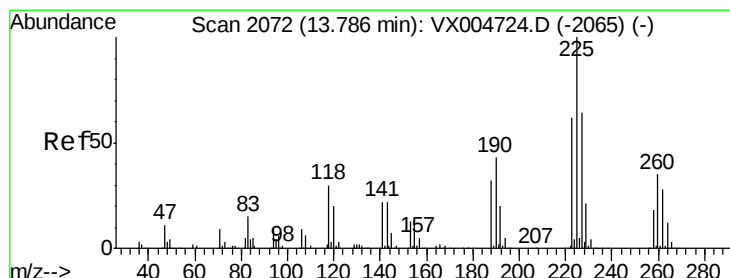
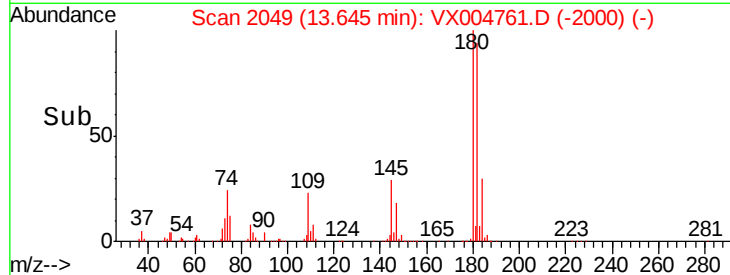
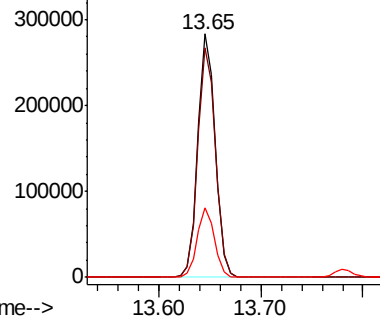
#93
 1,2,4-Trichlorobenzene
 Concen: 53.785 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX004761.D
 Acq: 27 Sep 2018 08:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 335159
 Ion Ratio Lower Upper
 180 100
 182 95.7 48.4 145.0
 145 28.5 14.3 42.9

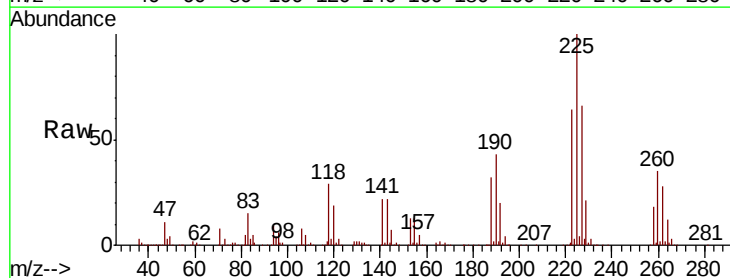


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

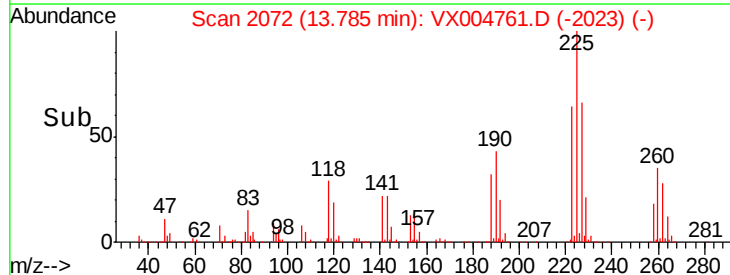
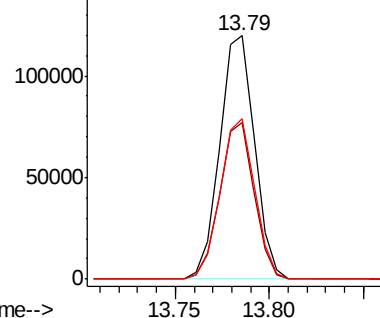


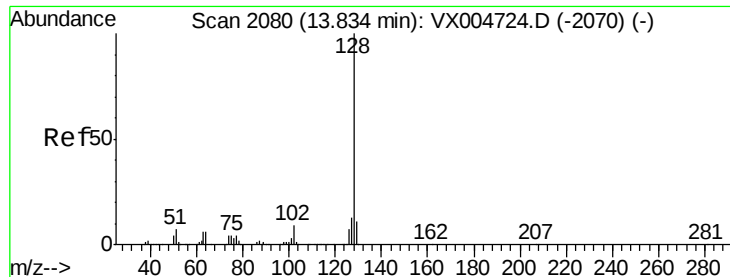
#94
 Hexachlorobutadiene
 Concen: 47.453 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX004761.D
 Acq: 27 Sep 2018 08:38

Tgt Ion:225 Resp: 153336
 Ion Ratio Lower Upper
 225 100
 223 63.3 30.1 90.5
 227 65.1 30.8 92.4



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





#95

Naphthalene

Concen: 52.515 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX004761.D

Acq: 27 Sep 2018 08:38

Instrument :

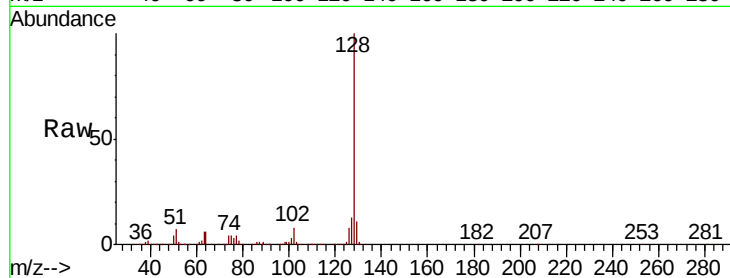
MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:128 Resp: 1086917

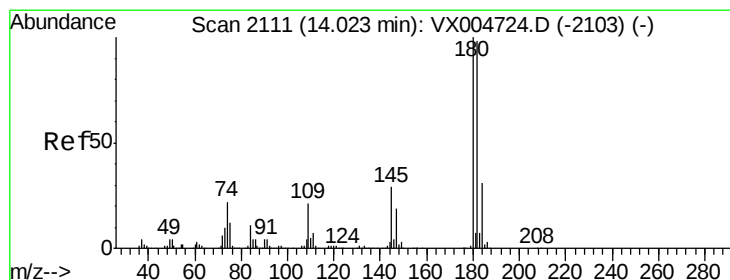
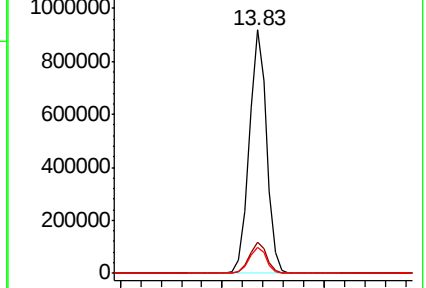
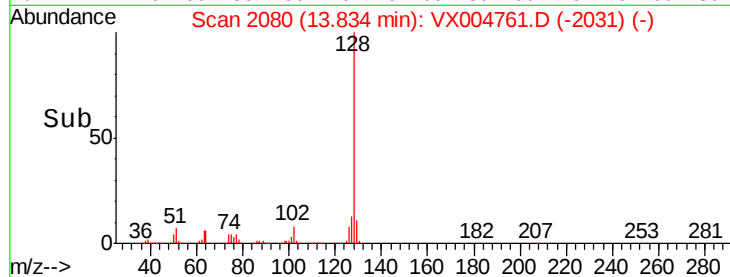
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.2
129	10.9	8.6	12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 53.060 ug/l

RT: 14.02 min Scan# 2111

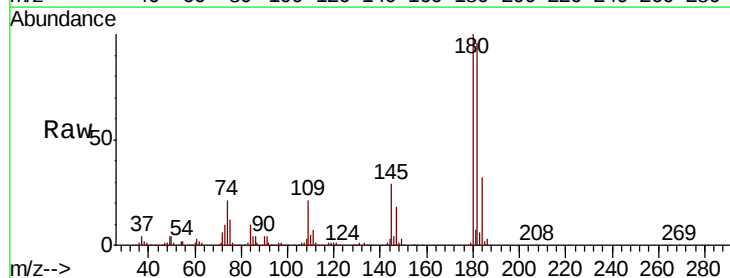
Delta R.T. -0.00 min

Lab File: VX004761.D

Acq: 27 Sep 2018 08:38

Tgt Ion:180 Resp: 341553

Ion	Ratio	Lower	Upper
180	100		
182	95.9	48.5	145.6
145	29.9	14.9	44.9



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

