

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101818\
 Data File : VX005443.D
 Acq On : 18 Oct 2018 21:04
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Oct 19 03:36:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	277288	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	386063	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	354990	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	203605	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	146083	47.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.94%	
35) Dibromofluoromethane	5.51	113	129232	50.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.08%	
50) Toluene-d8	8.71	98	460619	52.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.94%	
62) 4-Bromofluorobenzene	11.14	95	174339	52.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	102001	47.047	ug/l	91
3) Chloromethane	1.32	50	143966	45.827	ug/l	99
4) Vinyl Chloride	1.40	62	142154	44.669	ug/l	98
5) Bromomethane	1.64	94	78582	43.795	ug/l	97
6) Chloroethane	1.71	64	91916	48.788	ug/l	96
7) Trichlorofluoromethane	1.92	101	203294	47.870	ug/l	100
8) Diethyl Ether	2.19	74	86873	47.903	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.38	101	121342	49.504	ug/l	96
10) Methyl Iodide	2.51	142	160103	59.094	ug/l	97
11) Tert butyl alcohol	3.08	59	218337	251.509	ug/l	99
12) 1,1-Dichloroethene	2.37	96	113408	46.697	ug/l	99
13) Acrolein	2.29	56	141999	256.391	ug/l	95
14) Allyl chloride	2.72	41	257430	48.280	ug/l	92
15) Acrylonitrile	3.15	53	478794	243.389	ug/l	97
16) Acetone	2.45	43	405494	227.888	ug/l	97
17) Carbon Disulfide	2.56	76	317090	43.101	ug/l	100
18) Methyl Acetate	2.78	43	277927	54.902	ug/l	93
19) Methyl tert-butyl Ether	3.20	73	435858	50.958	ug/l	98
20) Methylene Chloride	2.85	84	144344	55.827	ug/l	95
21) trans-1,2-Dichloroethene	3.16	96	123656	45.945	ug/l	89
22) Diisopropyl ether	3.87	45	456562	50.980	ug/l #	94
23) Vinyl Acetate	3.82	43	1909517	243.945	ug/l	97
24) 1,1-Dichloroethane	3.69	63	243970	47.533	ug/l	99
25) 2-Butanone	4.71	43	629983	241.984	ug/l	93
26) 2,2-Dichloropropane	4.59	77	160407	41.787	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	139332	47.635	ug/l	96
28) Bromochloromethane	5.02	49	118235	50.531	ug/l	99
29) Tetrahydrofuran	5.16	42	417958	251.684	ug/l	95
30) Chloroform	5.20	83	238564	50.076	ug/l #	80
31) Cyclohexane	5.57	56	207688	49.094	ug/l	89
32) 1,1,1-Trichloroethane	5.49	97	206475	49.809	ug/l	99
36) 1,1-Dichloropropene	5.80	75	164470	43.988	ug/l	97
37) Ethyl Acetate	4.85	43	229363	47.700	ug/l	98
38) Carbon Tetrachloride	5.77	117	178182	47.428	ug/l	83

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	190909	47.177	ug/l #	88
40) Benzene	6.15	78	534853	47.686	ug/l	98
41) Methacrylonitrile	5.06	41	134273	52.087	ug/l	95
42) 1,2-Dichloroethane	6.20	62	181522	45.834	ug/l	97
43) Isopropyl Acetate	6.46	43	338216	52.803	ug/l	99
44) Trichloroethene	7.21	130	138727	48.421	ug/l	93
45) 1,2-Dichloropropane	7.51	63	134633	48.934	ug/l	98
46) Dibromomethane	7.66	93	85697	47.193	ug/l	96
47) Bromodichloromethane	7.90	83	166377	49.533	ug/l	99
48) Methyl methacrylate	7.77	41	166727	50.187	ug/l	96
49) 1,4-Dioxane	7.76	88	77851	1016.015	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	1144942	258.153	ug/l	97
52) Toluene	8.79	92	312888	50.990	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	188531	51.865	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	201490	51.157	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	131758	50.694	ug/l	97
56) Ethyl methacrylate	9.18	69	210726	55.616	ug/l	97
57) 1,3-Dichloropropane	9.37	76	220574	50.846	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	572705	269.521	ug/l	96
59) 2-Hexanone	9.50	43	909345	254.888	ug/l	95
60) Dibromochloromethane	9.59	129	139220	51.821	ug/l	100
61) 1,2-Dibromoethane	9.68	107	137384	50.367	ug/l	98
64) Tetrachloroethene	9.34	164	143724	50.291	ug/l	98
65) Chlorobenzene	10.14	112	358909	47.531	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.23	131	132828	49.362	ug/l	100
67) Ethyl Benzene	10.25	91	607866	49.519	ug/l	98
68) m/p-Xylenes	10.36	106	473351	99.348	ug/l	96
69) o-Xylene	10.70	106	229839	50.018	ug/l	97
70) Styrene	10.71	104	386941	51.196	ug/l	98
71) Bromoform	10.86	173	120114	49.950	ug/l	100
73) Isopropylbenzene	11.02	105	626804	51.786	ug/l	100
74) N-amyl acetate	10.90	43	298648	51.157	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.27	83	218189	47.787	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	254115	64.343	ug/l	87
77) Bromobenzene	11.26	156	170032	49.131	ug/l	99
78) n-propylbenzene	11.36	91	709310	50.926	ug/l	100
79) 2-Chlorotoluene	11.42	91	425112	49.837	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	533211	51.444	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	61934	47.650	ug/l	98
82) 4-Chlorotoluene	11.51	91	501053	49.551	ug/l	99
83) tert-Butylbenzene	11.77	119	537203	51.181	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	551313	51.686	ug/l	97
85) sec-Butylbenzene	11.94	105	642693	51.741	ug/l	100
86) p-Isopropyltoluene	12.07	119	581608	51.805	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	314742	48.670	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	317624	48.011	ug/l	100
89) n-Butylbenzene	12.39	91	506562	49.694	ug/l	98
90) Hexachloroethane	12.60	117	93181	48.159	ug/l	92
91) 1,2-Dichlorobenzene	12.39	146	318450	48.255	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	53187	47.755	ug/l	98

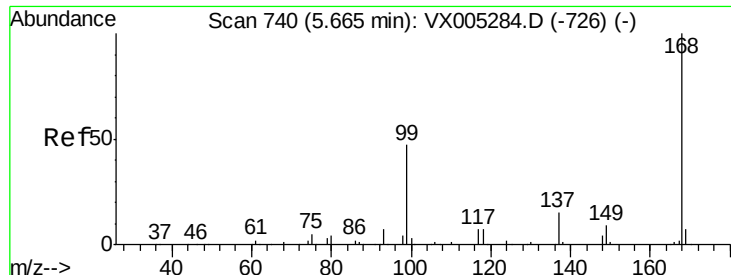
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX101818\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	251223	51.887	ug/l	98
94) Hexachlorobutadiene	13.79	225	122443	47.883	ug/l	95
95) Naphthalene	13.83	128	775780	55.249	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	253620	51.195	ug/l	99

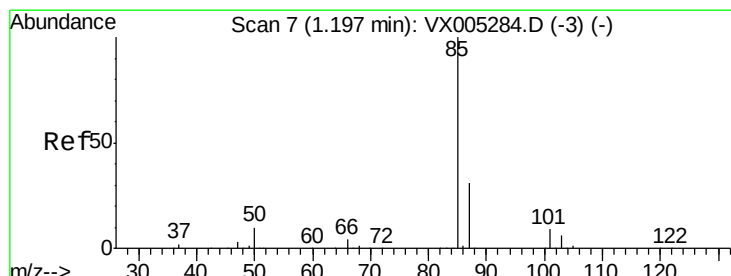
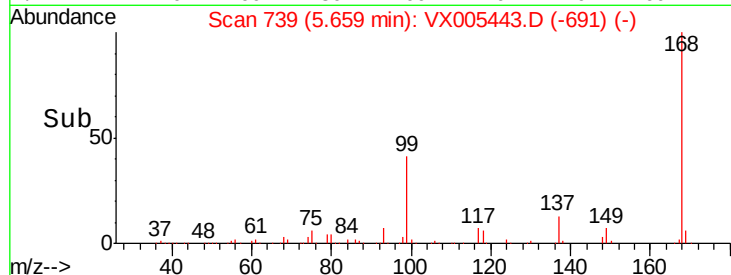
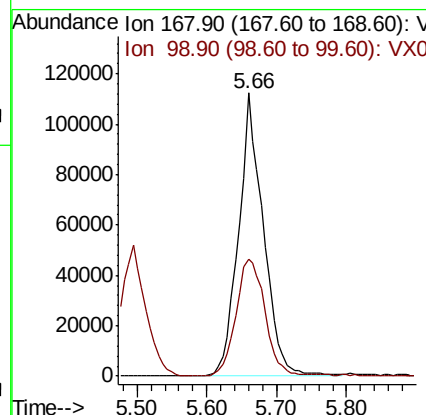
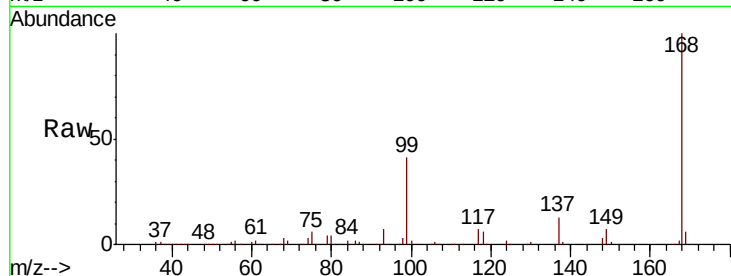
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.01 min
Lab File: VX005443.D
Acq: 18 Oct 2018 21:04

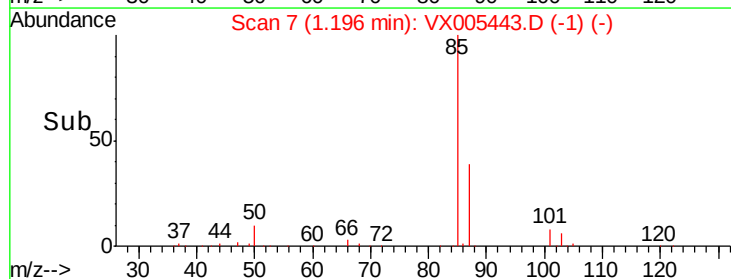
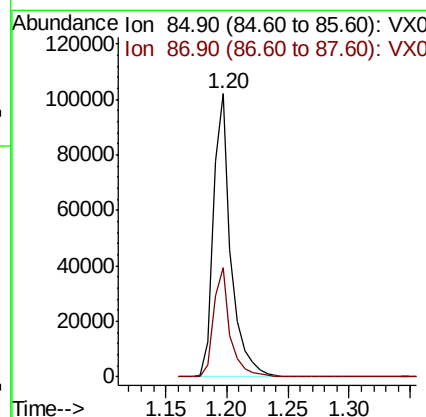
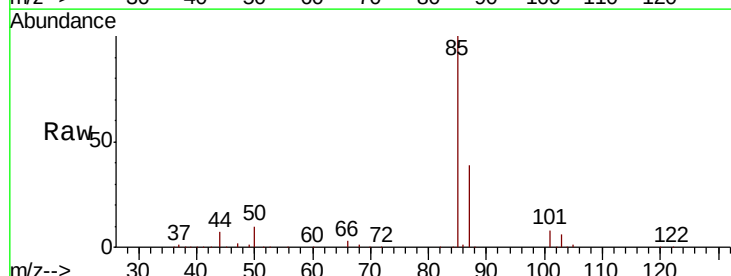
Instrument :
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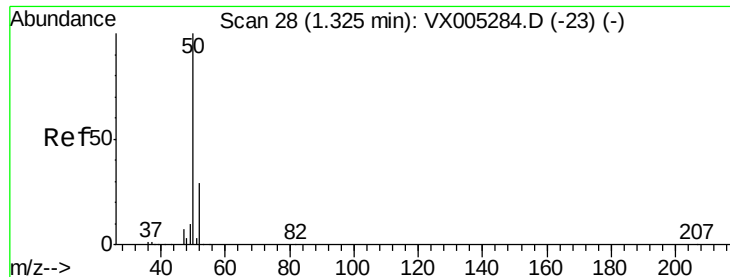
Tot Ion:168 Resp: 277288
Ion Ratio Lower Upper
168 100
99 41.1 39.9 59.9



#2
Dichlorodifluoromethane
Concen: 47.047 ug/l
RT: 1.20 min Scan# 7
Delta R.T. -0.00 min
Lab File: VX005443.D
Acq: 18 Oct 2018 21:04

Tgt Ion: 85 Resp: 102001
Ion Ratio Lower Upper
85 100
87 38.8 17.0 50.9





#3

Chloromethane

Concen: 45.827 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX005443.D

Acq: 18 Oct 2018 21:04

Instrument :

MSVOA_X

ClientSampleId :

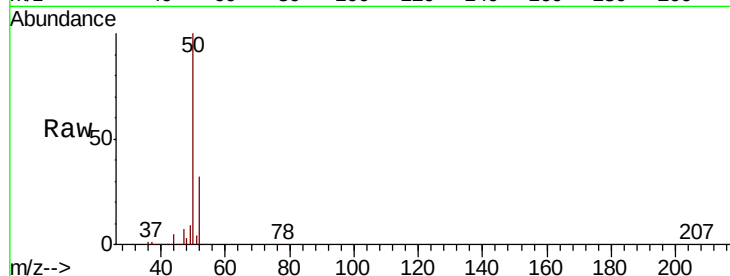
VSTDCCC050EC

Tot Ion: 50 Resp: 143966

Ion Ratio Lower Upper

50 100

52 32.0 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

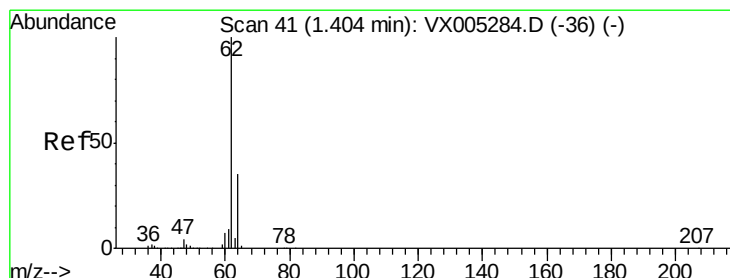
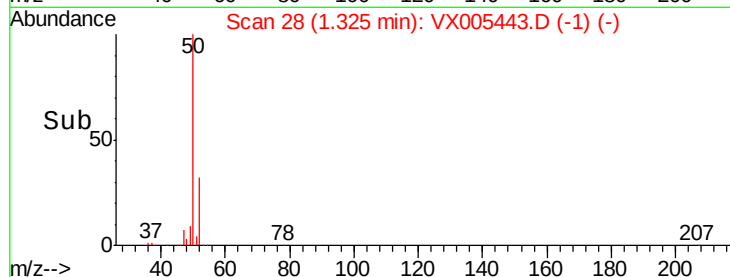
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 44.669 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX005443.D

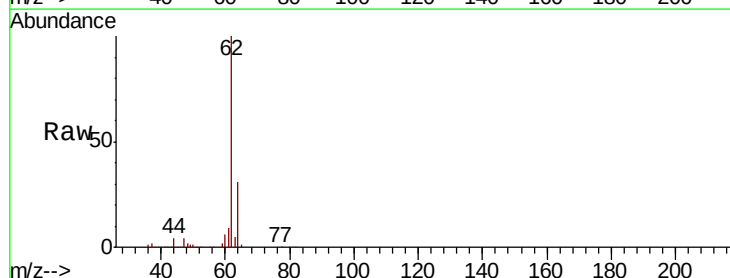
Acq: 18 Oct 2018 21:04

Tgt Ion: 62 Resp: 142154

Ion Ratio Lower Upper

62 100

64 31.2 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

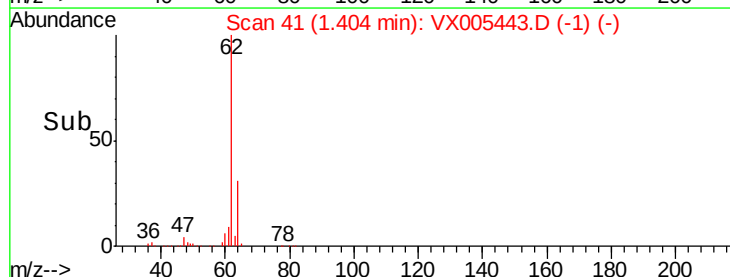
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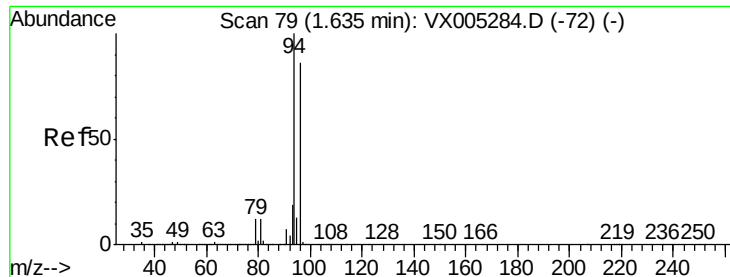
100000

50000

0

Time-->





#5

Bromomethane

Concen: 43.795 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005443.D

Acq: 18 Oct 2018 21:04

Instrument :

MSVOA_X

ClientSampleId :

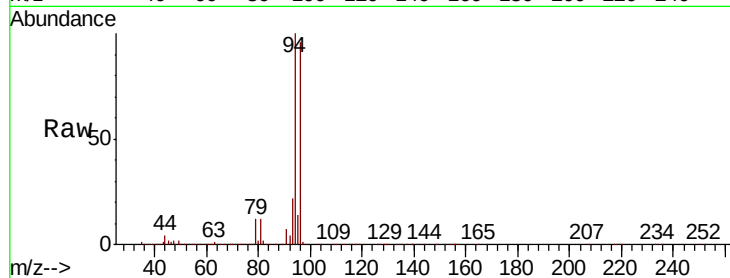
VSTDCCC050EC

Tot Ion: 94 Resp: 78582

Ion Ratio Lower Upper

94 100

96 95.6 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

80000

60000

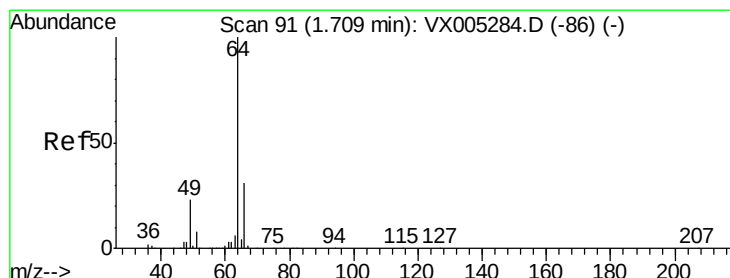
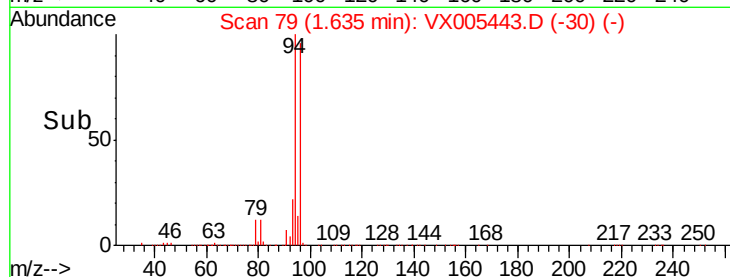
40000

20000

0

Time-->

1.60 1.65 1.70



#6

Chloroethane

Concen: 48.788 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.01 min

Lab File: VX005443.D

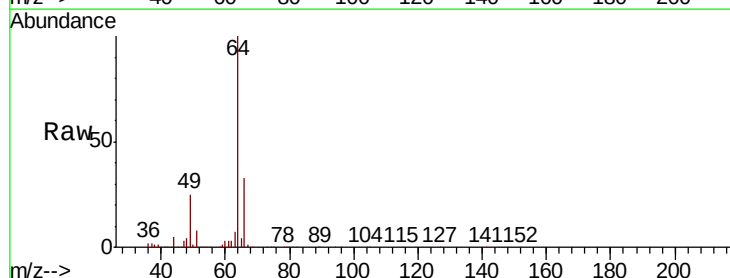
Acq: 18 Oct 2018 21:04

Tgt Ion: 64 Resp: 91916

Ion Ratio Lower Upper

64 100

66 32.7 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

60000

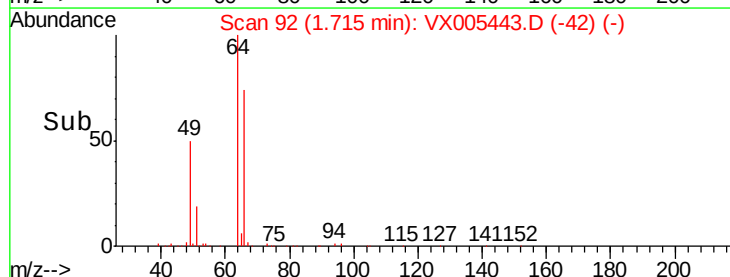
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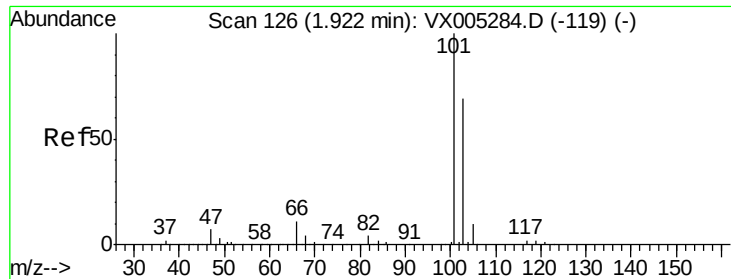
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Time-->

1.60 1.70 1.80 1.90



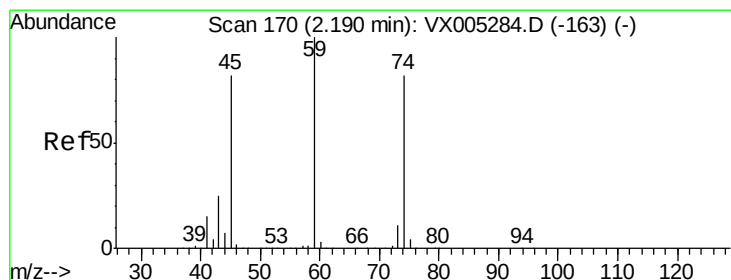
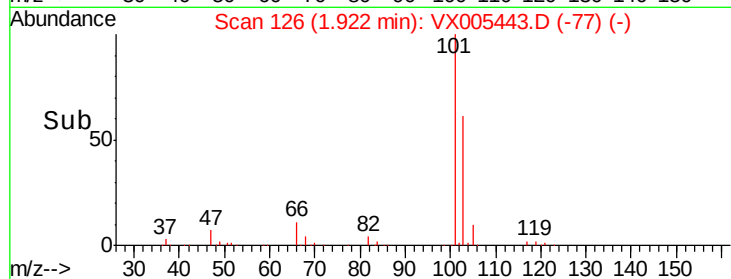
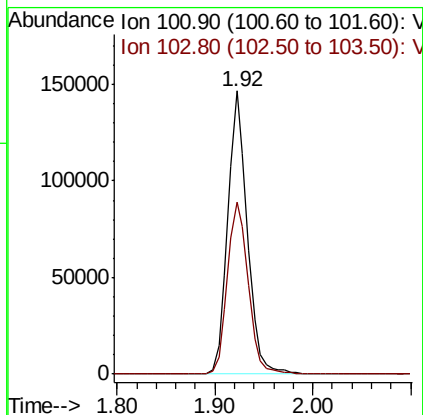
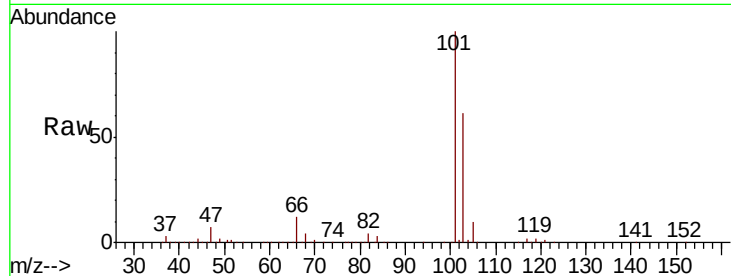


#7

Trichlorofluoromethane
 Concen: 47.870 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. 0.00 min
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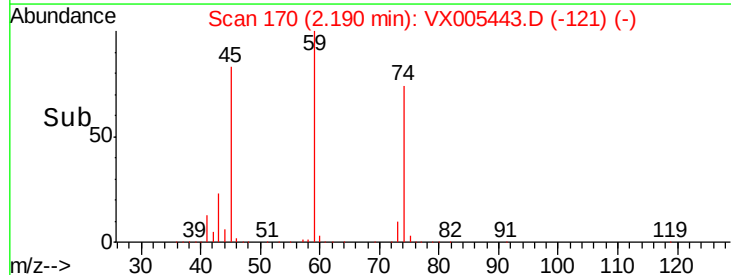
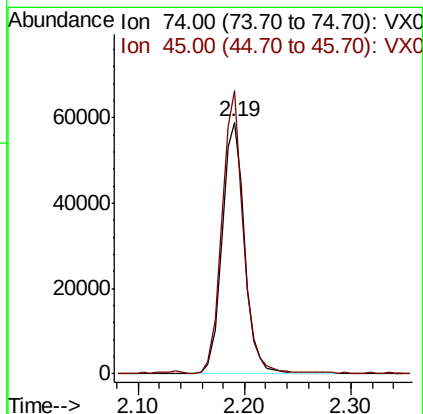
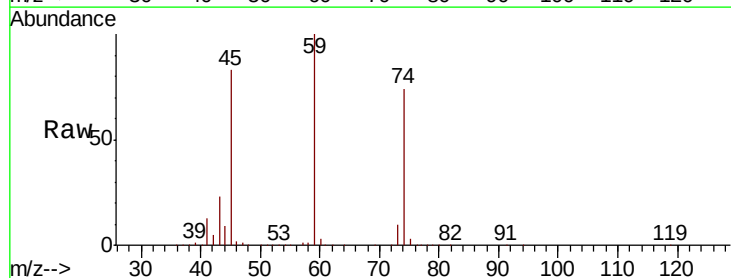
Tot Ion:101 Resp: 203294
 Ion Ratio Lower Upper
 101 100
 103 60.9 48.9 73.3

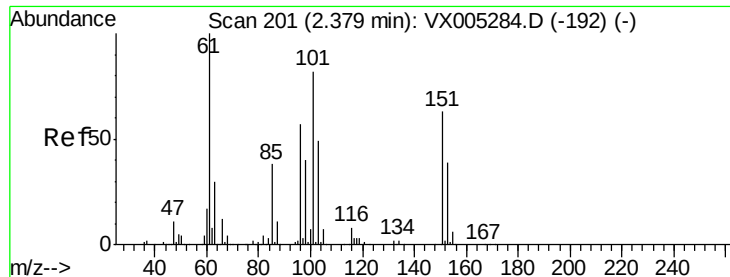


#8

Diethyl Ether
 Concen: 47.903 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX005443.D
 Acq: 18 Oct 2018 21:04

Tgt Ion: 74 Resp: 86873
 Ion Ratio Lower Upper
 74 100
 45 106.6 48.3 144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.504 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX005443.D

Acq: 18 Oct 2018 21:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

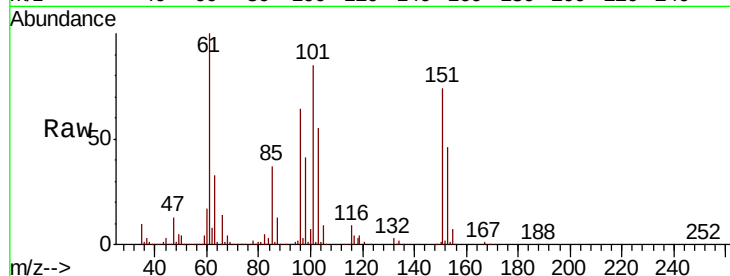
Tot Ion:101 Resp: 121342

Ion Ratio Lower Upper

101 100

85 44.9 34.2 51.4

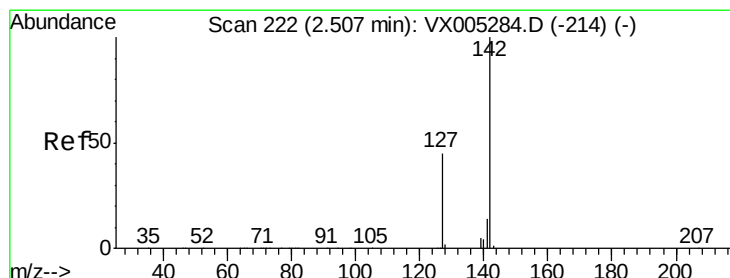
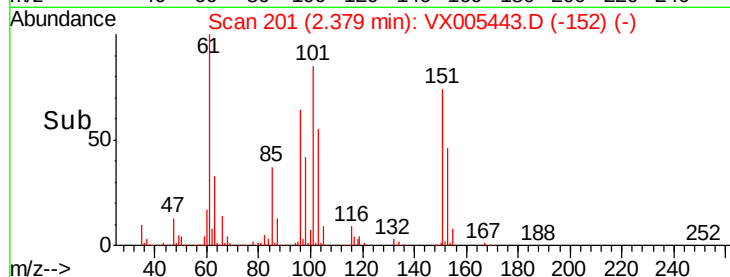
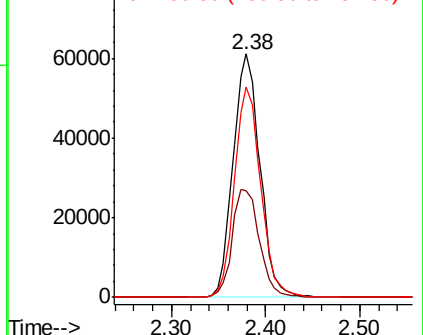
151 84.5 65.0 97.6



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: 59.094 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX005443.D

Acq: 18 Oct 2018 21:04

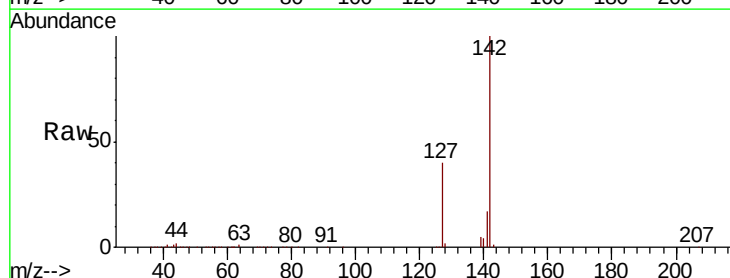
Tgt Ion:142 Resp: 160103

Ion Ratio Lower Upper

142 100

127 39.8 33.8 50.6

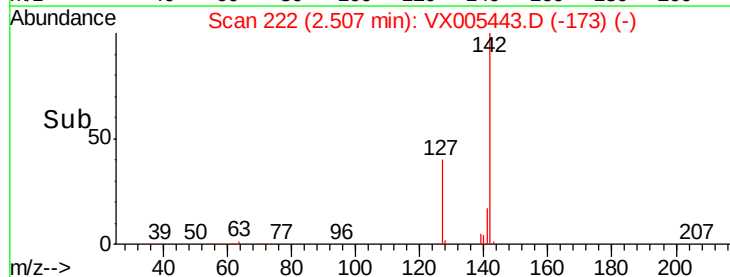
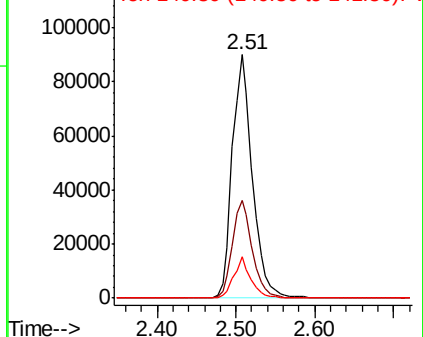
141 14.4 11.4 17.0

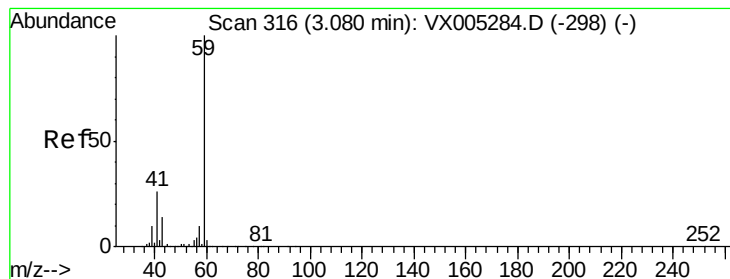


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



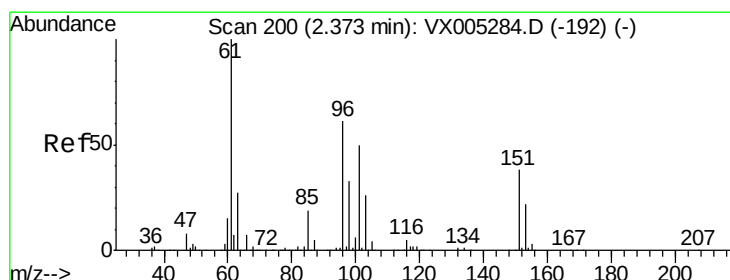
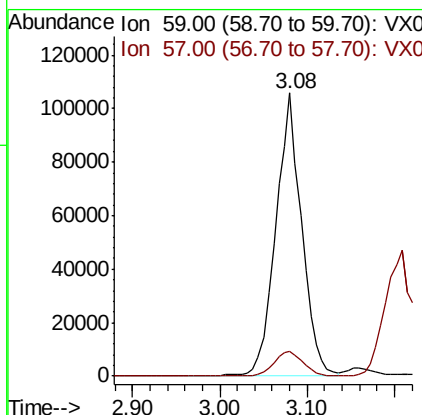
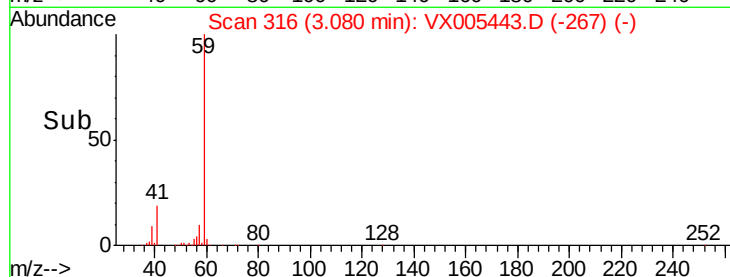
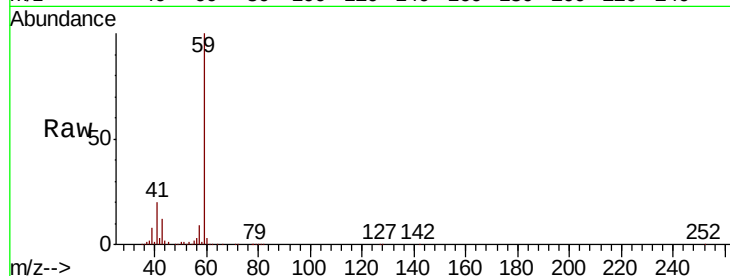


#11

Tert butyl alcohol
 Concen: 251.509 ug/l
 RT: 3.08 min Scan# 316
 Delta R.T. -0.00 min
 Lab File: VX005443.D
 Acq: 18 Oct 2018 21:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

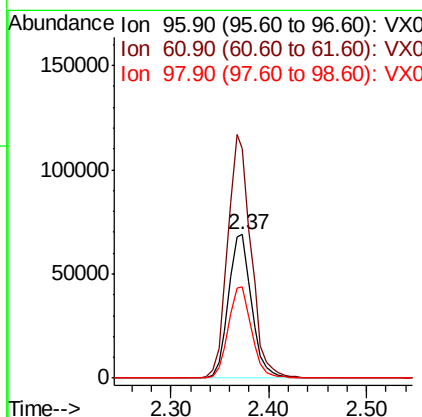
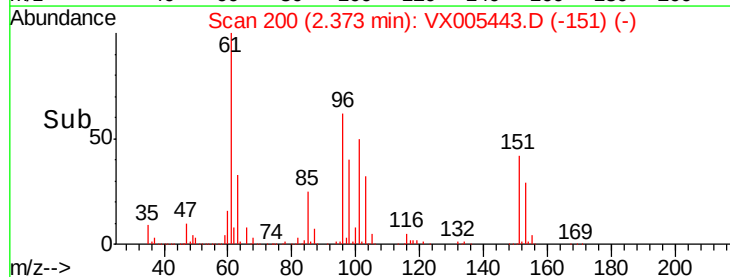
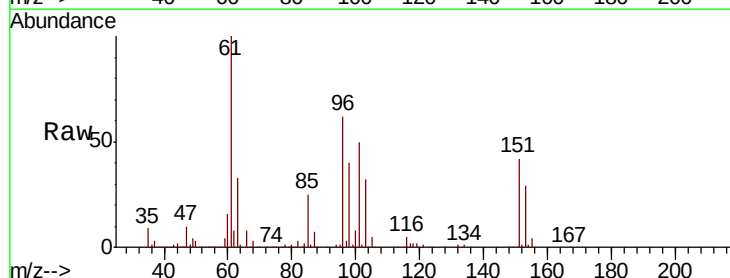
Tot Ion: 59 Resp: 218337
 Ion Ratio Lower Upper
 59 100
 57 9.9 8.2 12.4

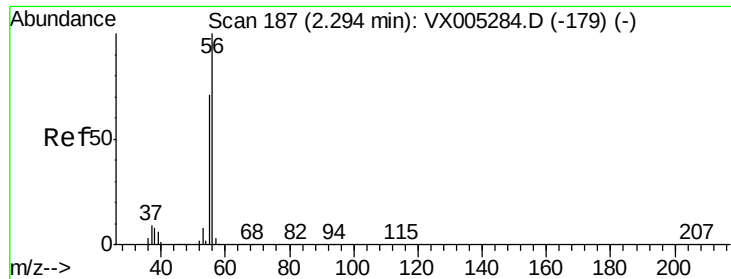


#12

1,1-Dichloroethene
 Concen: 46.697 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. -0.00 min
 Lab File: VX005443.D
 Acq: 18 Oct 2018 21:04

Tgt Ion: 96 Resp: 113408
 Ion Ratio Lower Upper
 96 100
 61 160.4 128.8 193.2
 98 63.6 52.2 78.2





#13

Acrolein

Concen: 256.391 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX005443.D

Acq: 18 Oct 2018 21:04

Instrument :

MSVOA_X

ClientSampleId :

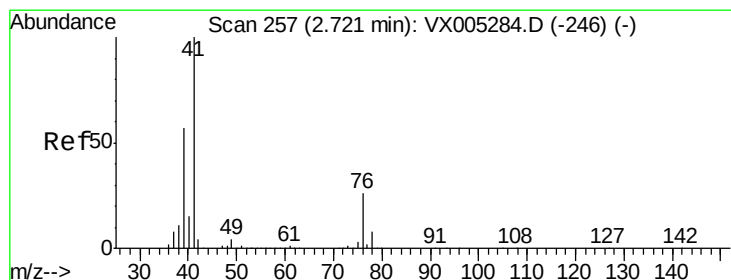
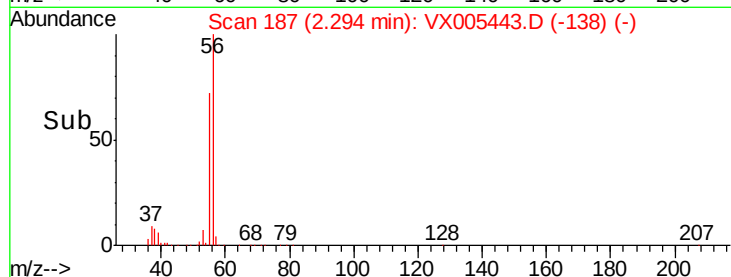
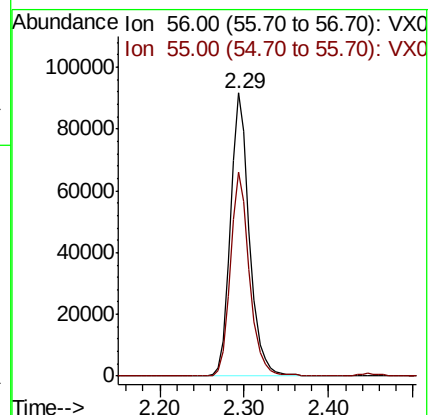
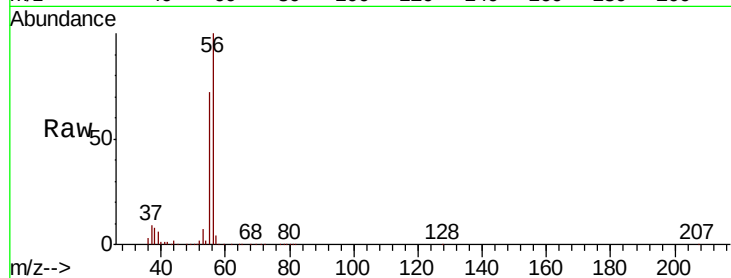
VSTDCCC050EC

Tot Ion: 56 Resp: 141999

Ion Ratio Lower Upper

56 100

55 72.1 54.7 82.1



#14

Allyl chloride

Concen: 48.280 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.00 min

Lab File: VX005443.D

Acq: 18 Oct 2018 21:04

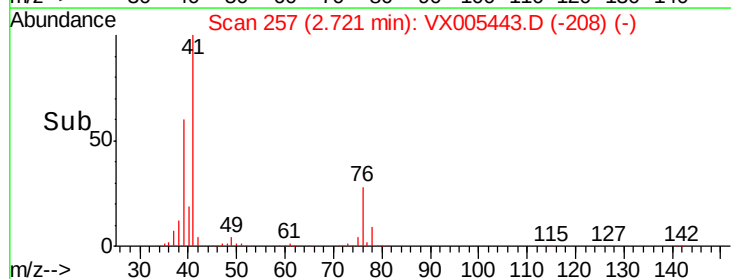
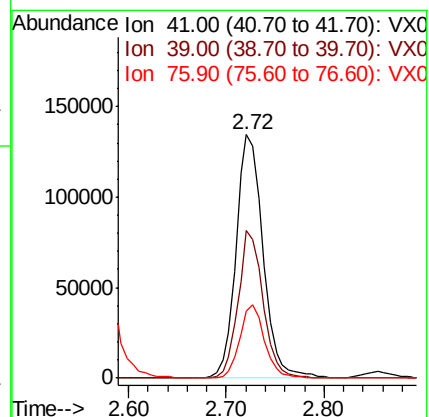
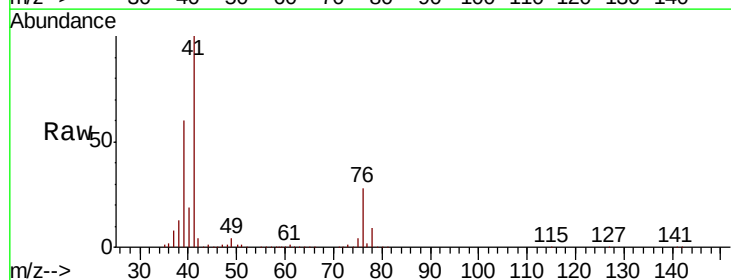
Tgt Ion: 41 Resp: 257430

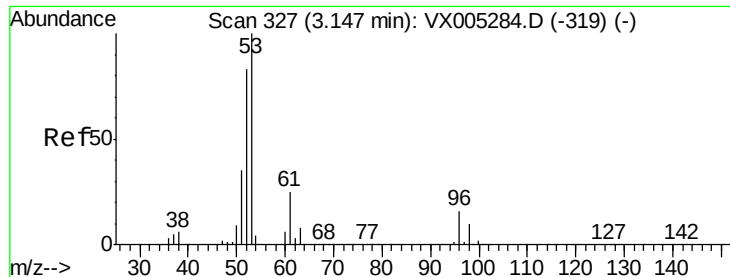
Ion Ratio Lower Upper

41 100

39 56.1 48.9 73.3

76 27.5 26.7 40.1





#15

Acrylonitrile

Concen: 243.389 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX005443.D

Acq: 18 Oct 2018 21:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

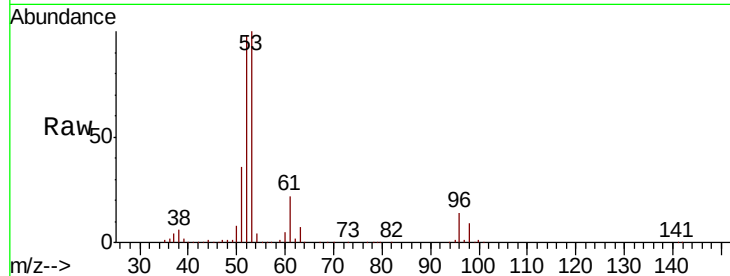
Tot Ion: 53 Resp: 478794

Ion Ratio Lower Upper

53 100

52 85.0 65.2 97.8

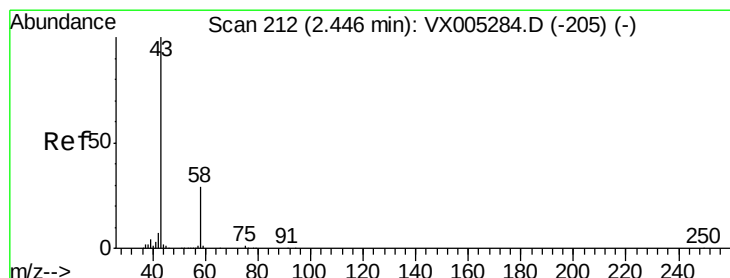
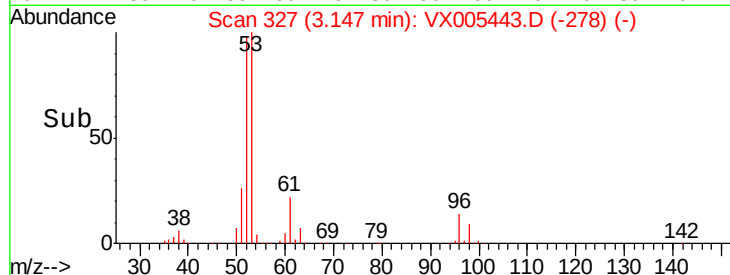
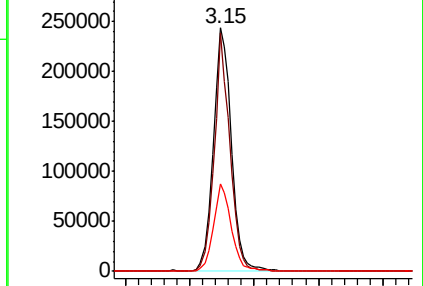
51 35.7 28.2 42.2



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: 227.888 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX005443.D

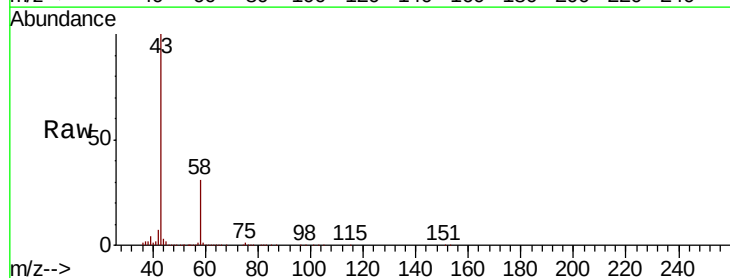
Acq: 18 Oct 2018 21:04

Tgt Ion: 43 Resp: 405494

Ion Ratio Lower Upper

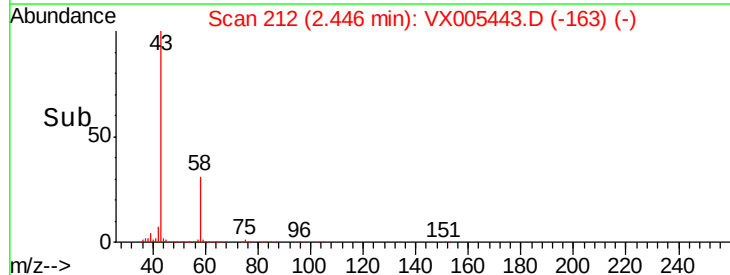
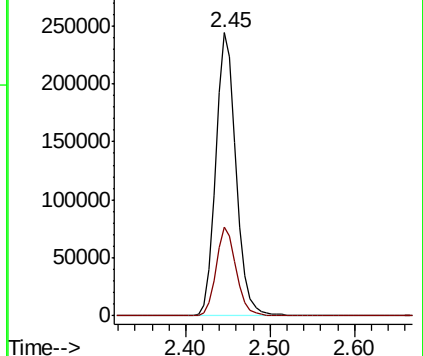
43 100

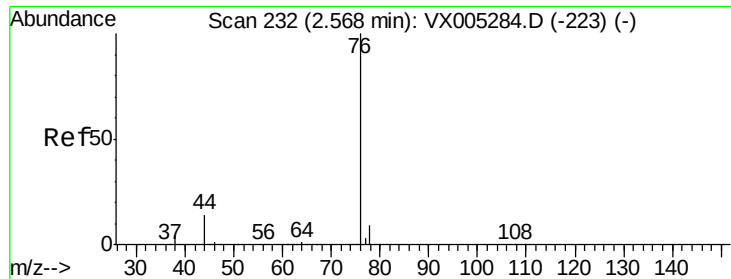
58 31.4 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

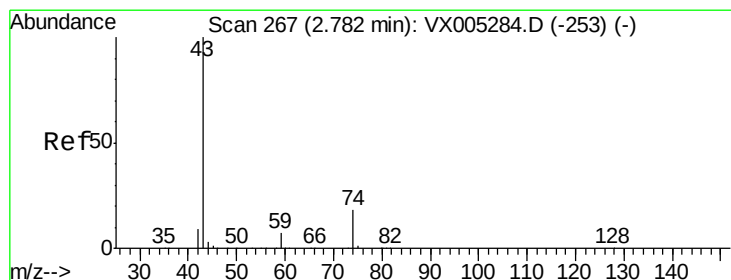
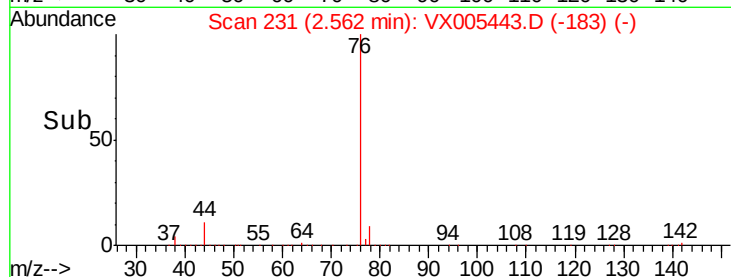
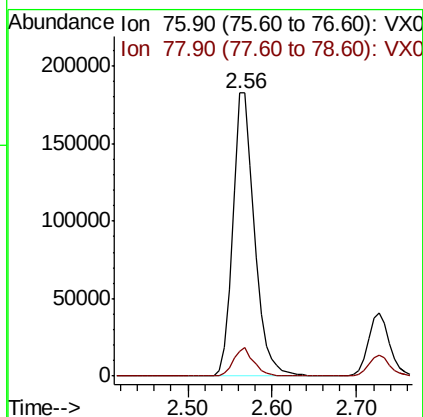
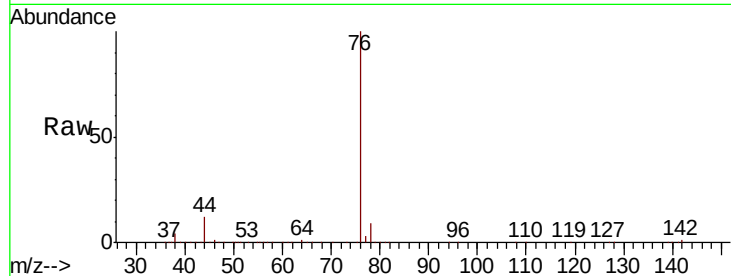




#17
Carbon Disulfide
Concen: 43.101 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.01 min
Lab File: VX005443.D
Acq: 18 Oct 2018 21:04

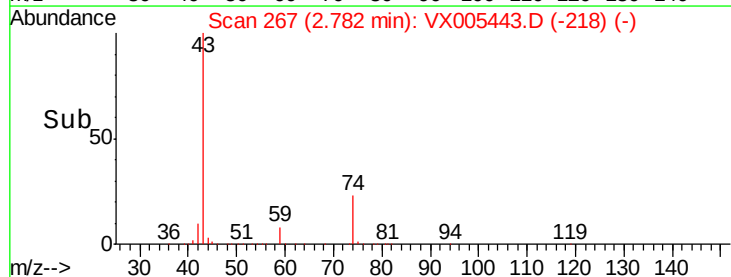
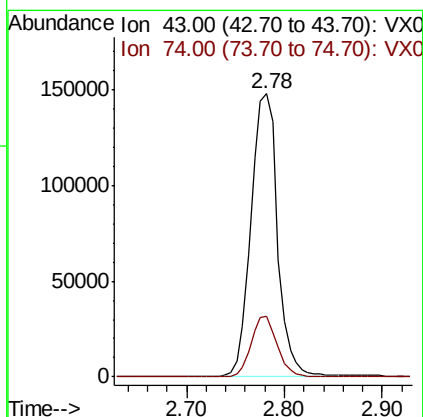
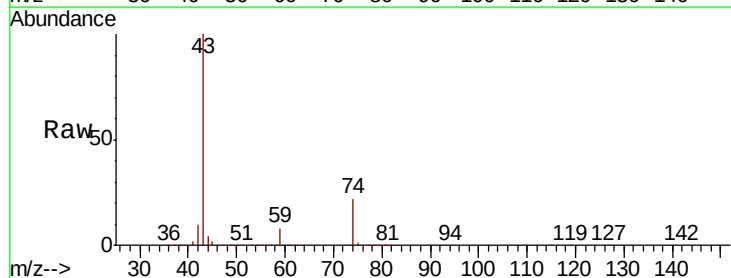
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

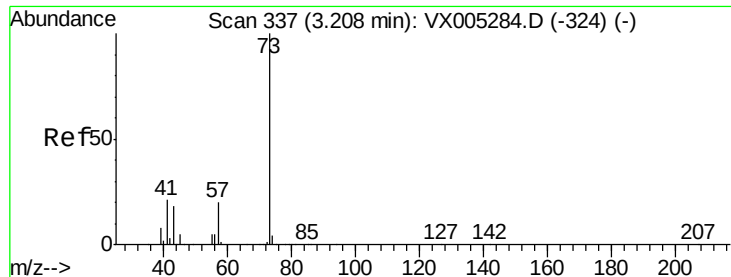
Tot Ion: 76 Resp: 317090
Ion Ratio Lower Upper
76 100
78 8.6 7.0 10.6



#18
Methyl Acetate
Concen: 54.902 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.00 min
Lab File: VX005443.D
Acq: 18 Oct 2018 21:04

Tgt Ion: 43 Resp: 277927
Ion Ratio Lower Upper
43 100
74 20.7 19.4 29.2





#19

Methyl tert-butyl Ether

Concen: 50.958 ug/l

RT: 3.20 min Scan# 336

Delta R.T. -0.01 min

Lab File: VX005443.D

Acq: 18 Oct 2018 21:04

Instrument :

MSVOA_X

ClientSampleId :

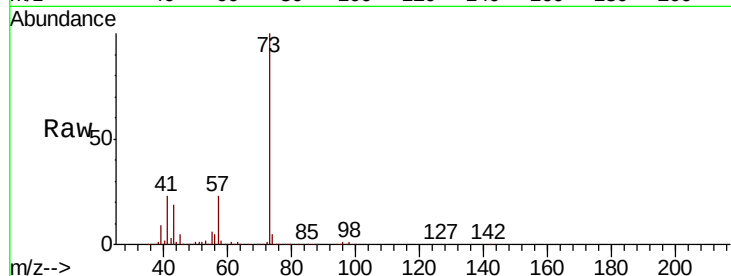
VSTDCCC050EC

Tot Ion: 73 Resp: 435858

Ion Ratio Lower Upper

73 100

57 22.5 17.1 25.7



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.20

200000

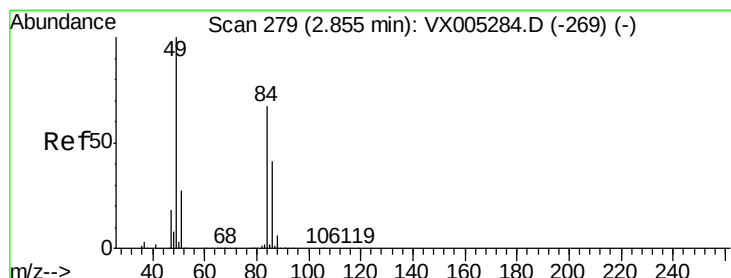
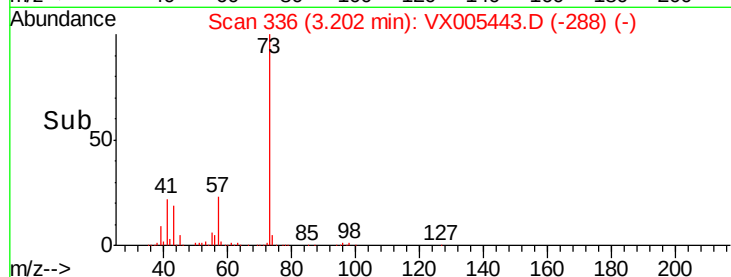
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 55.827 ug/l

RT: 2.85 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX005443.D

Acq: 18 Oct 2018 21:04

Tgt Ion: 84 Resp: 144344

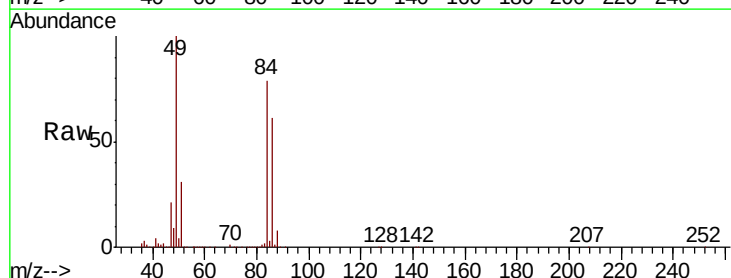
Ion Ratio Lower Upper

84 100

49 126.7 101.2 151.8

51 39.8 29.5 44.3

86 76.9 52.3 78.5



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

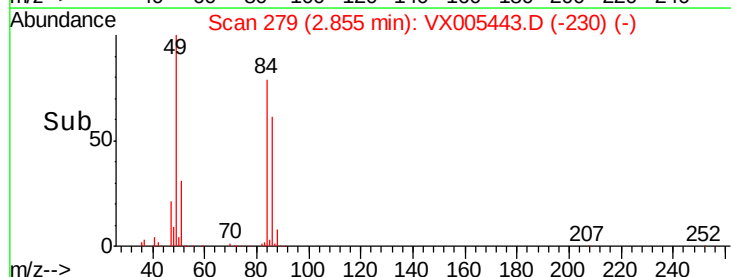
Ion 85.90 (85.60 to 86.60): VX0

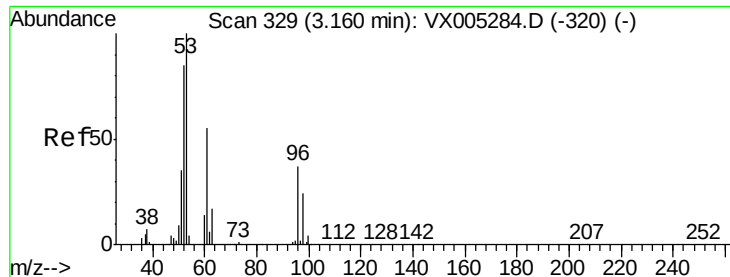
100000

50000

0

Time-->





#21

trans-1,2-Dichloroethene

Concen: 45.945 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX005443.D

Acq: 18 Oct 2018 21:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

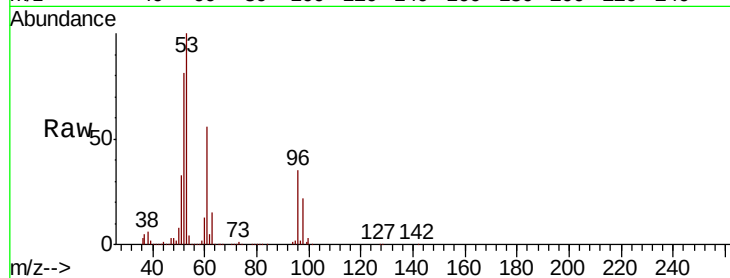
Tot Ion: 96 Resp: 123656

Ion Ratio Lower Upper

96 100

61 160.2 113.8 170.6

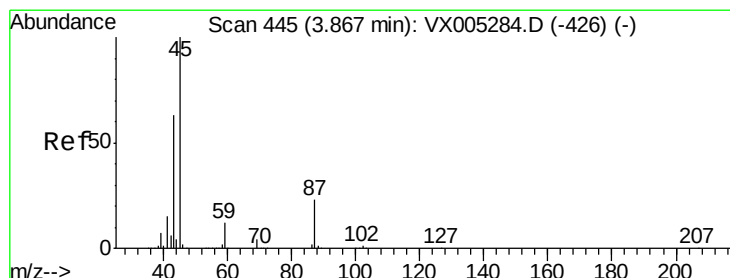
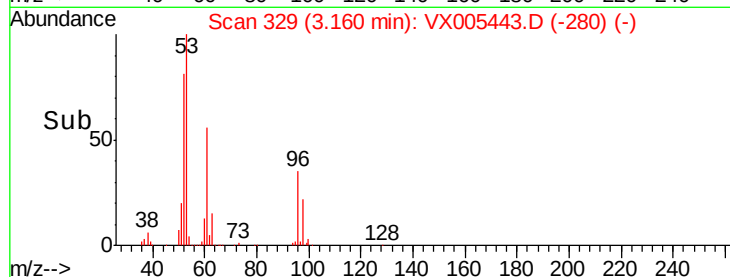
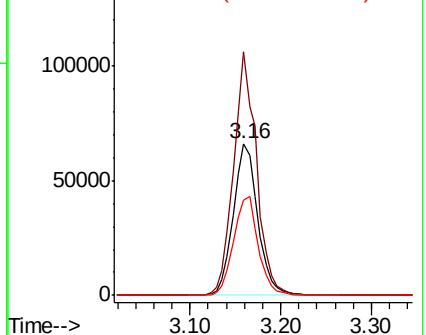
98 62.4 51.8 77.8



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: 50.980 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.01 min

Lab File: VX005443.D

Acq: 18 Oct 2018 21:04

Tgt Ion: 45 Resp: 456562

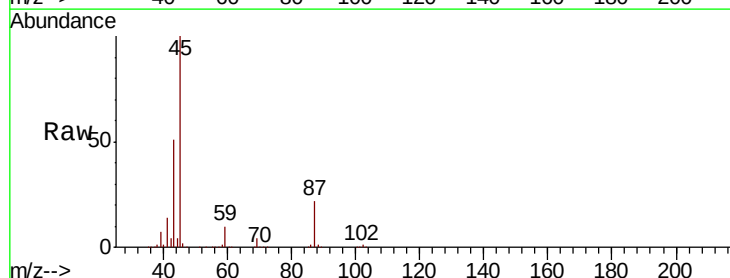
Ion Ratio Lower Upper

45 100

43 51.1 42.8 64.2

87 21.9 22.6 34.0#

59 9.5 9.6 14.4#

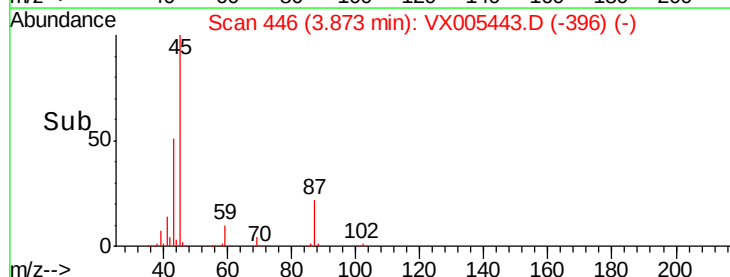
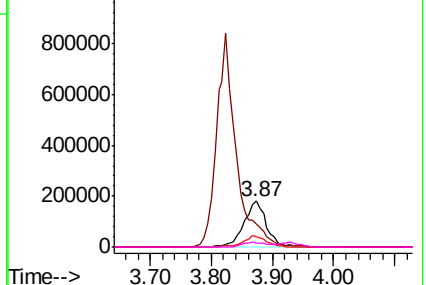


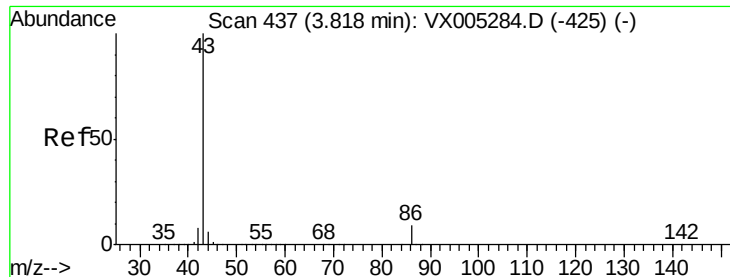
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 243.945 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX005443.D

Acq: 18 Oct 2018 21:04

Instrument :

MSVOA_X

ClientSampleId :

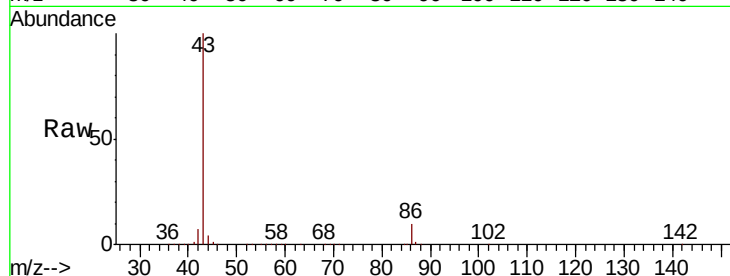
VSTDCCC050EC

Tot Ion: 43 Resp: 1909517

Ion Ratio Lower Upper

43 100

86 9.8 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.82

800000

600000

400000

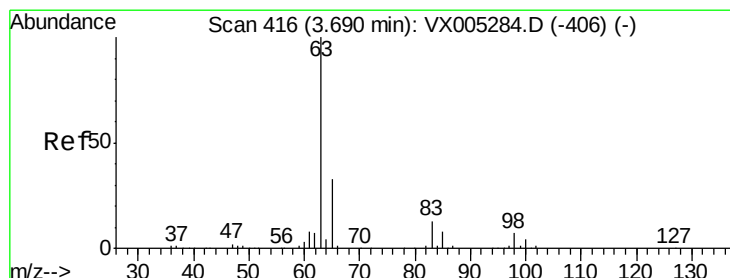
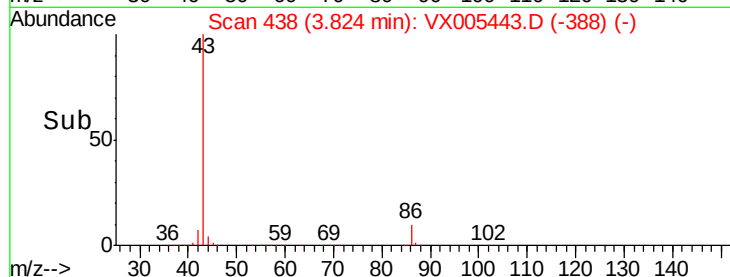
200000

0

Time-->

3.80

4.00



#24

1,1-Dichloroethane

Concen: 47.533 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.00 min

Lab File: VX005443.D

Acq: 18 Oct 2018 21:04

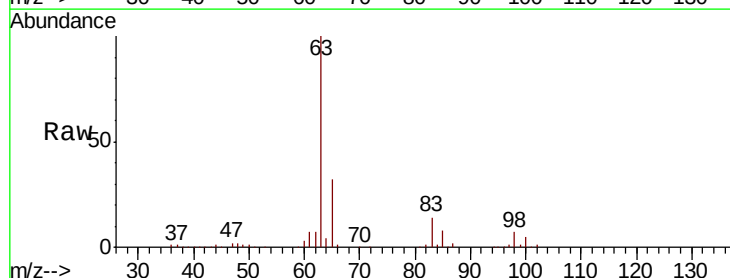
Tgt Ion: 63 Resp: 243970

Ion Ratio Lower Upper

63 100

98 6.6 3.5 10.4

100 4.5 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

3.69

100000

50000

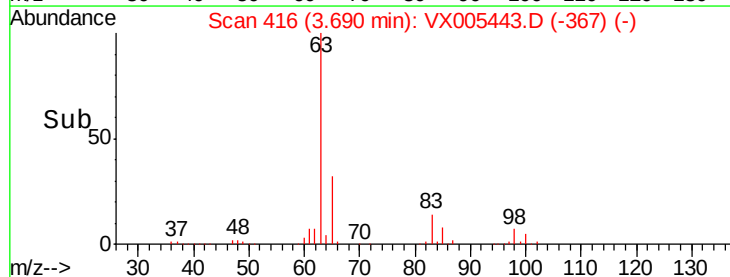
0

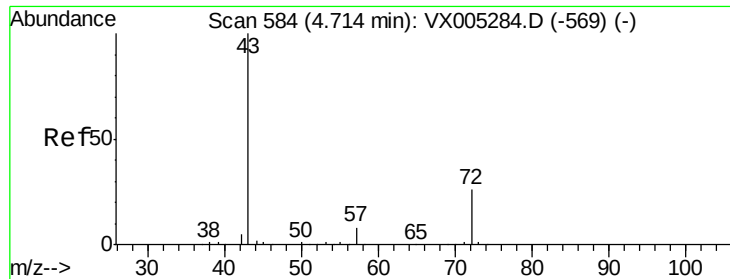
Time-->

3.60

3.70

3.80





#25

2-Butanone

Concen: 241.984 ug/l

RT: 4.71 min Scan# 583

Delta R.T. -0.01 min

Lab File: VX005443.D

Acq: 18 Oct 2018 21:04

Instrument :

MSVOA_X

ClientSampleId :

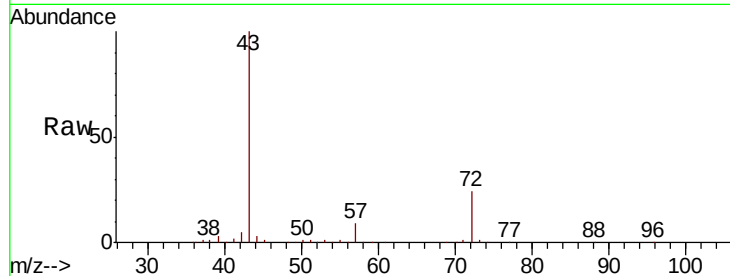
VSTDCCC050EC

Tot Ion: 43 Resp: 629983

Ion Ratio Lower Upper

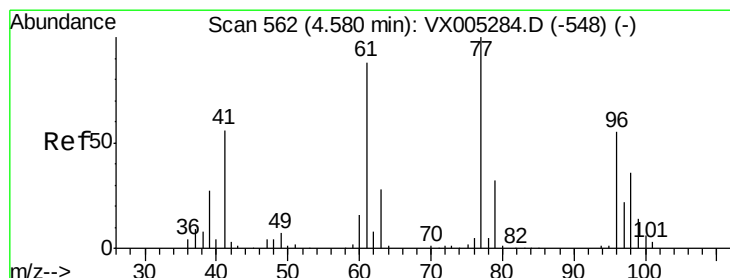
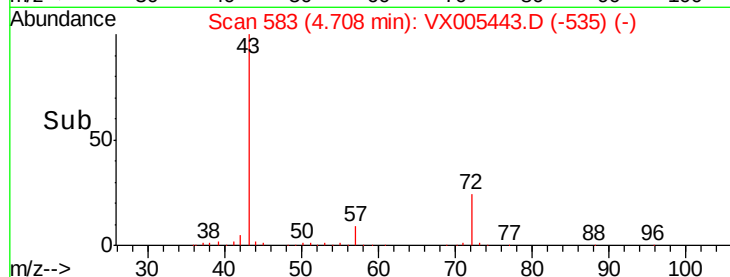
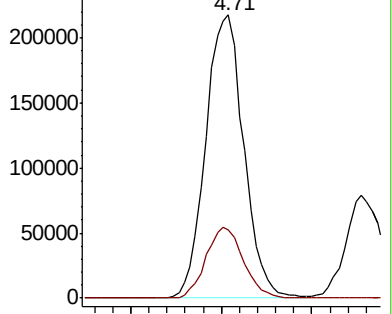
43 100

72 23.9 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 41.787 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX005443.D

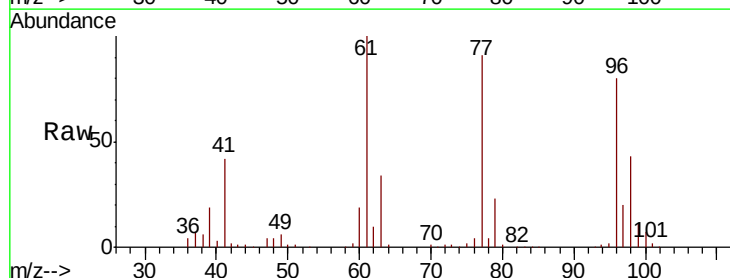
Acq: 18 Oct 2018 21:04

Tgt Ion: 77 Resp: 160407

Ion Ratio Lower Upper

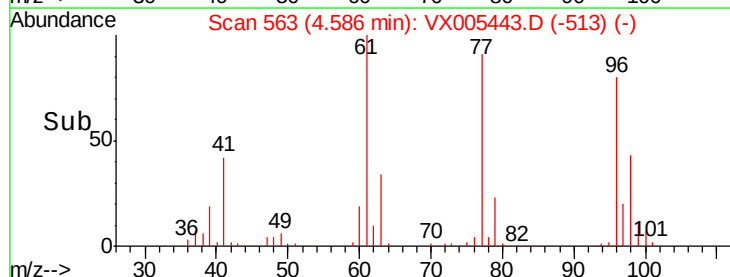
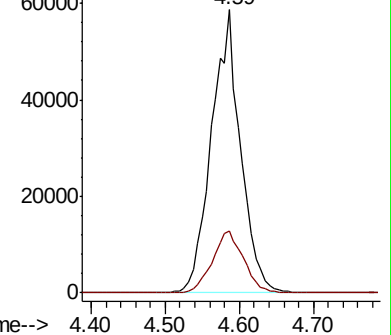
77 100

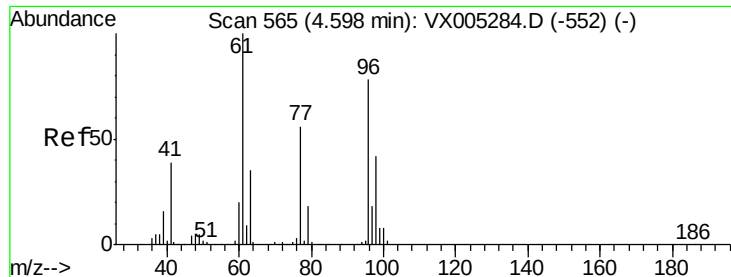
97 23.3 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



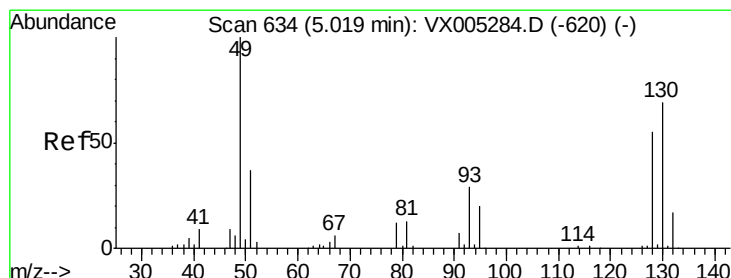
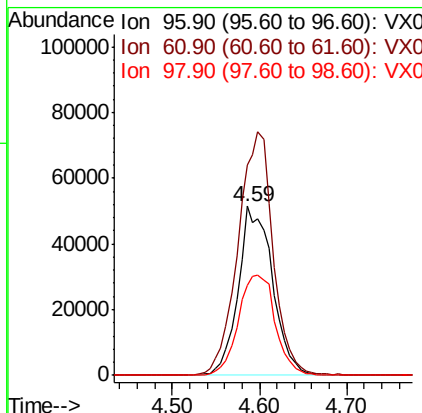
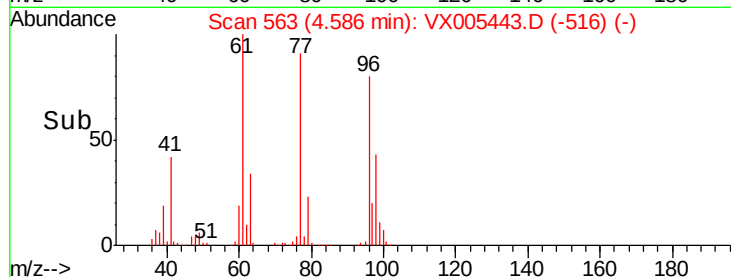
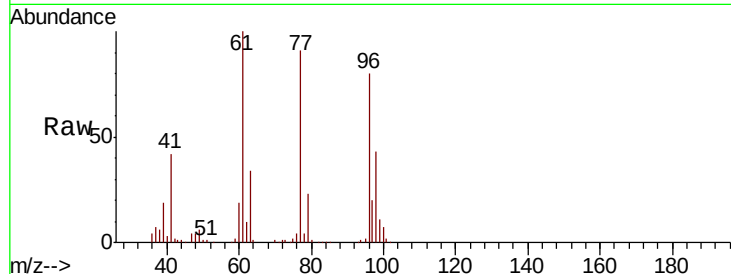


#27

cis-1,2-Dichloroethene
 Concen: 47.635 ug/l
 RT: 4.59 min Scan# 563
 Delta R.T. -0.01 min
 Lab File: VX005443.D
 Acq: 18 Oct 2018 21:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

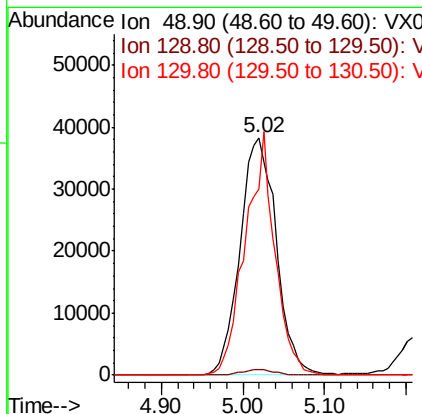
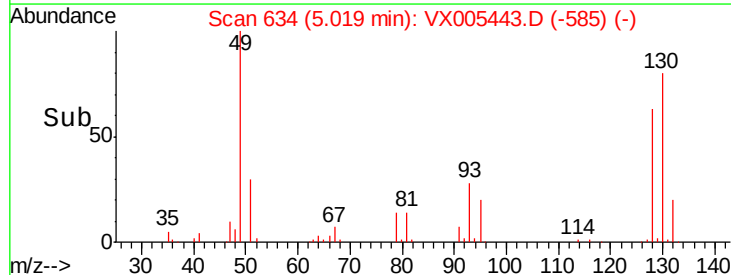
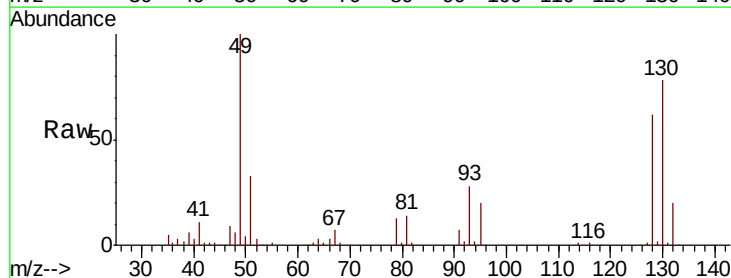
Tot Ion	Ratio	Lower	Upper
96	100		
61	147.4	0.0	282.6
98	64.3	0.0	130.2

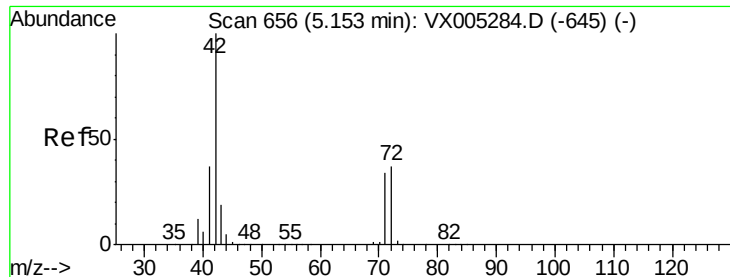


#28

Bromochloromethane
 Concen: 50.531 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. -0.00 min
 Lab File: VX005443.D
 Acq: 18 Oct 2018 21:04

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	83.7	67.5	101.3





#29

Tetrahydrofuran

Concen: 251.684 ug/l

RT: 5.16 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX005443.D

Acq: 18 Oct 2018 21:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

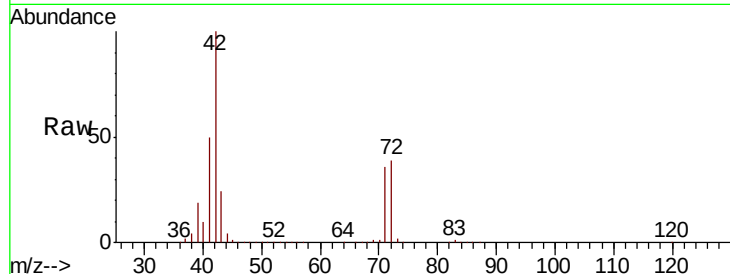
Tot Ion: 42 Resp: 417958

Ion Ratio Lower Upper

42 100

72 43.1 37.4 56.0

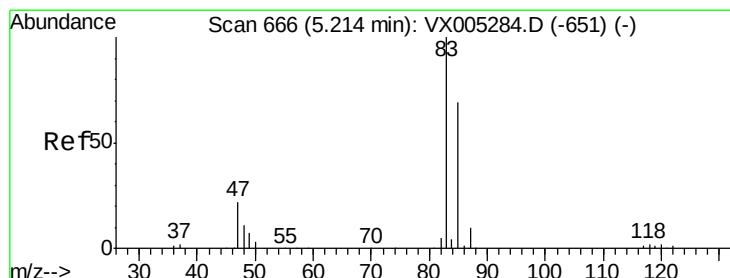
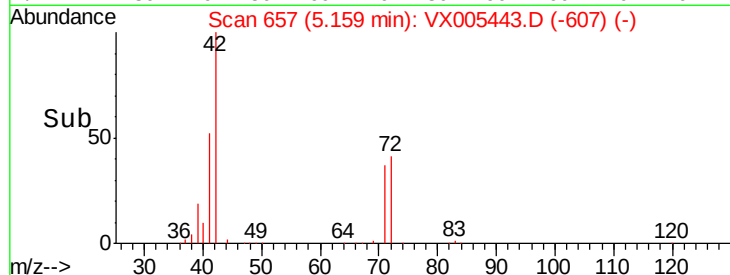
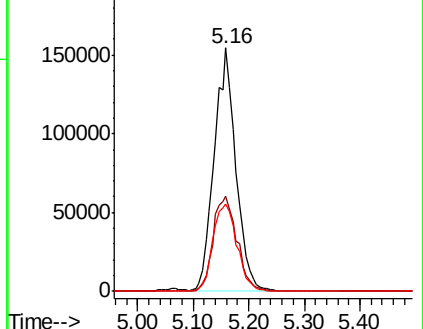
71 39.9 34.5 51.7



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 50.076 ug/l

RT: 5.20 min Scan# 664

Delta R.T. -0.01 min

Lab File: VX005443.D

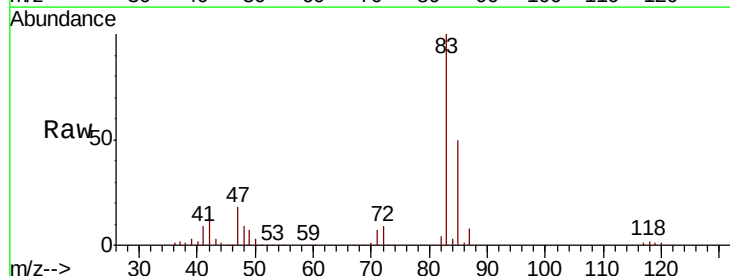
Acq: 18 Oct 2018 21:04

Tgt Ion: 83 Resp: 238564

Ion Ratio Lower Upper

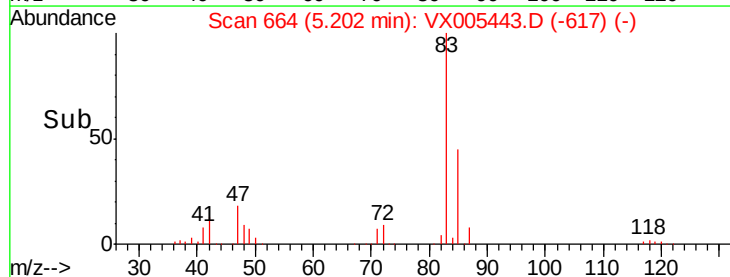
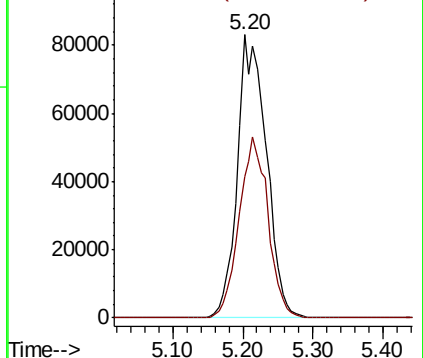
83 100

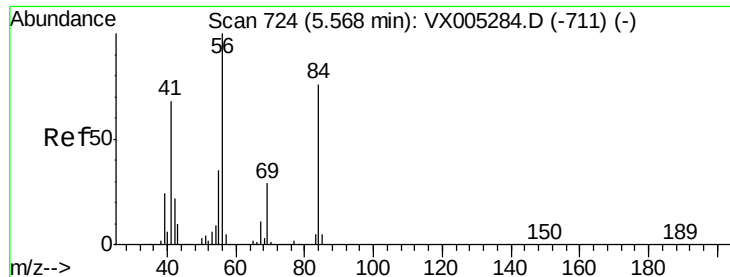
85 50.0 52.6 79.0#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

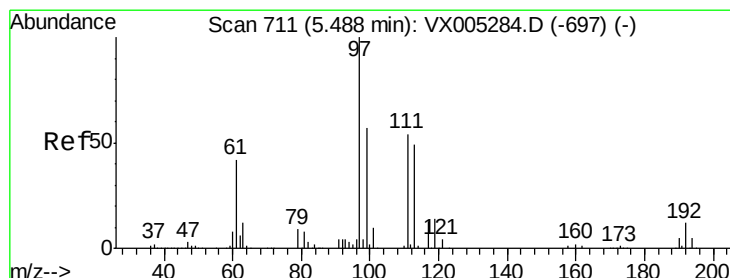
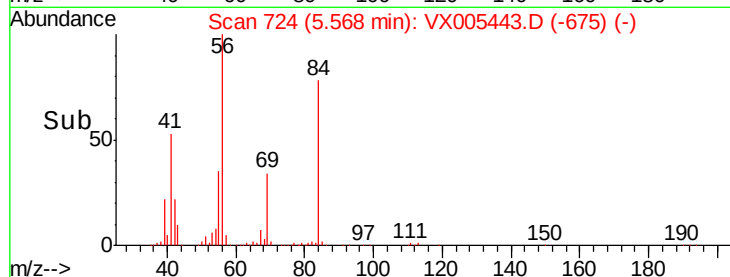
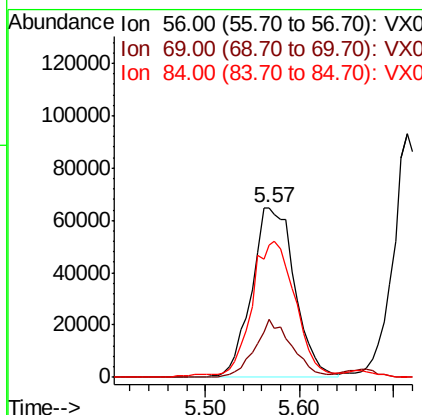
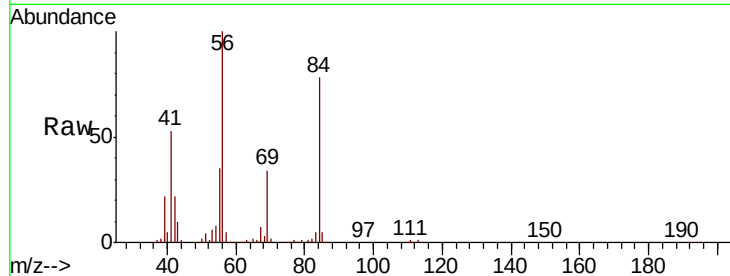




#31
Cyclohexane
Concen: 49.094 ug/l
RT: 5.57 min Scan# 724
Delta R.T. -0.00 min
Lab File: VX005443.D
Acq: 18 Oct 2018 21:04

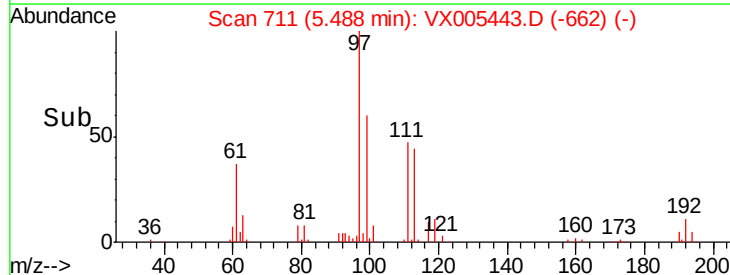
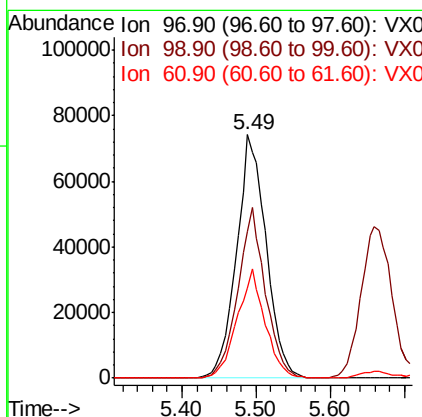
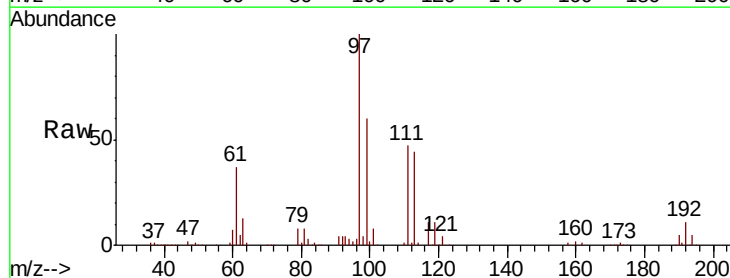
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

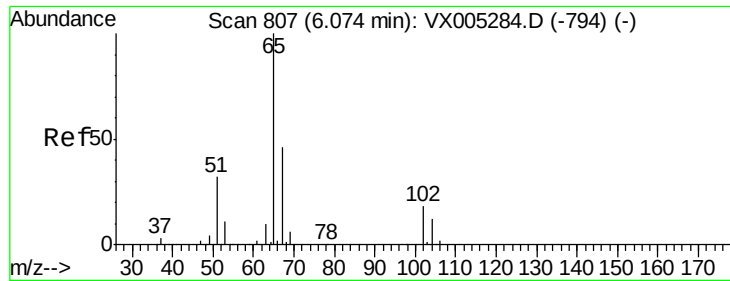
Tot Ion: 56 Resp: 207688
Ion Ratio Lower Upper
56 100
69 34.4 25.4 38.2
84 76.7 71.4 107.2



#32
1,1,1-Trichloroethane
Concen: 49.809 ug/l
RT: 5.49 min Scan# 711
Delta R.T. 0.00 min
Lab File: VX005443.D
Acq: 18 Oct 2018 21:04

Tgt Ion: 97 Resp: 206475
Ion Ratio Lower Upper
97 100
99 65.3 52.0 78.0
61 42.5 34.9 52.3

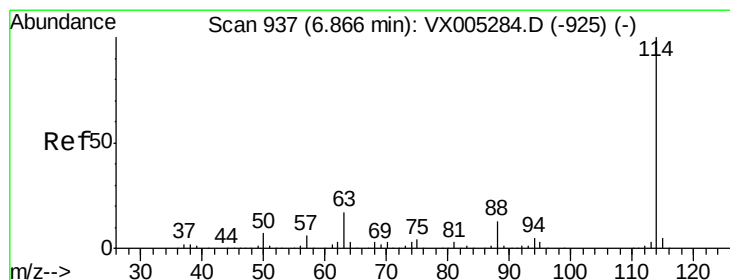
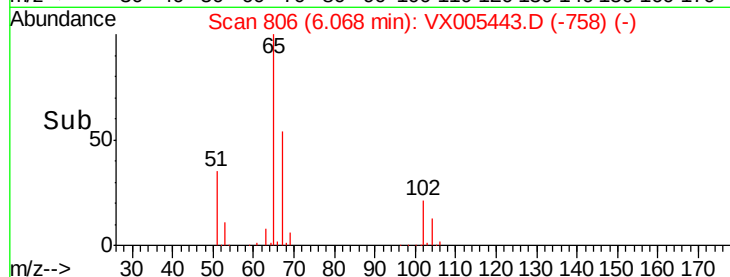
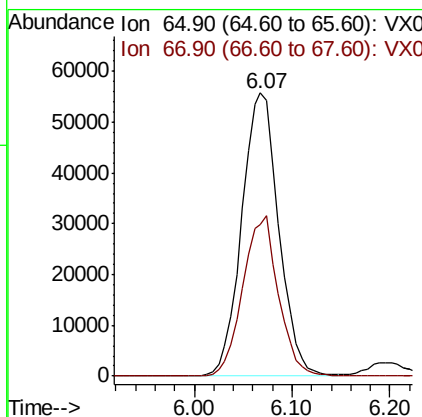
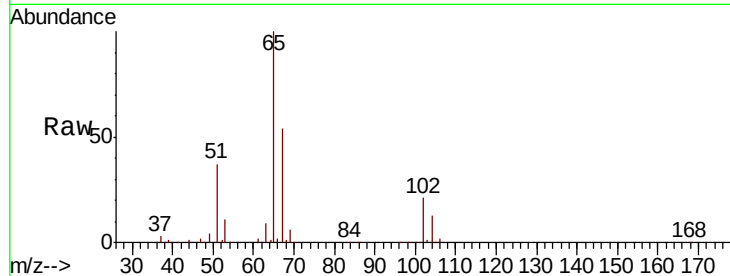




#33
 1,2-Dichloroethane-d4
 Concen: 47.468 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.01 min
 Lab File: VX005443.D
 Acq: 18 Oct 2018 21:04

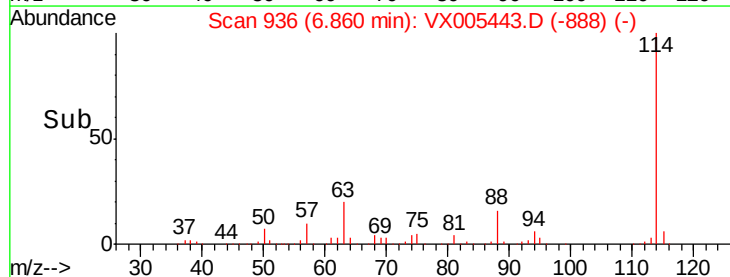
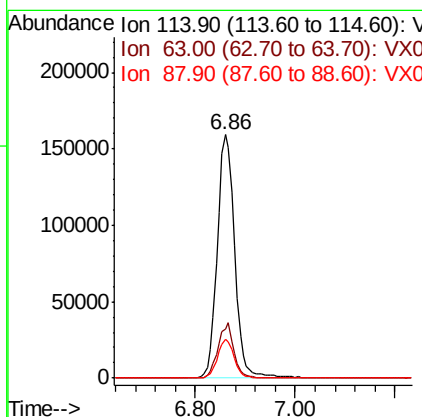
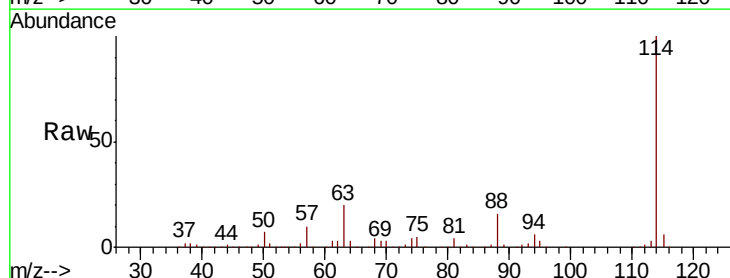
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

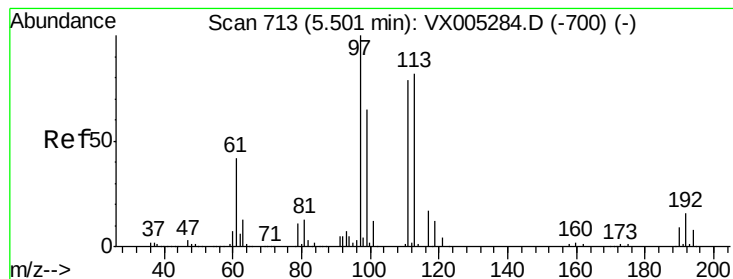
Tot Ion: 65 Resp: 146083
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VX005443.D
 Acq: 18 Oct 2018 21:04

Tgt Ion: 114 Resp: 386063
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.0
 88 16.0 0.0 30.4





#35

Dibromofluoromethane

Concen: 50.541 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX005443.D

Acq: 18 Oct 2018 21:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

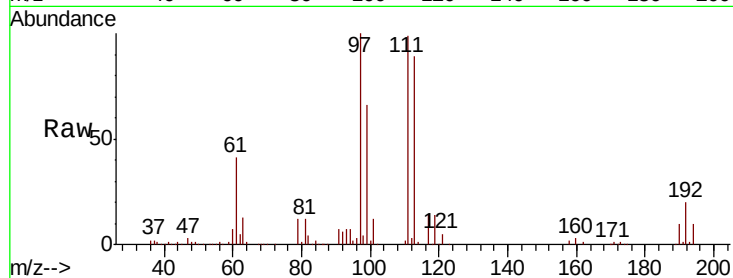
Tot Ion:113 Resp: 129232

Ion Ratio Lower Upper

113 100

111 104.2 82.4 123.6

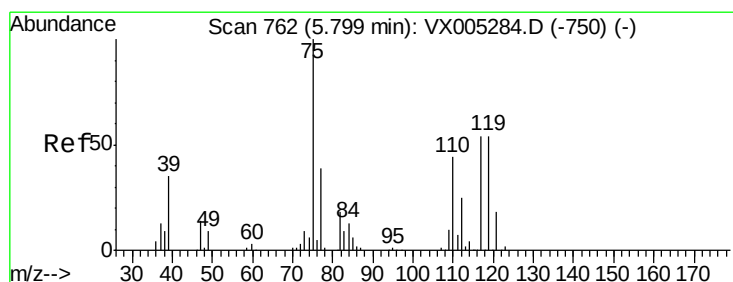
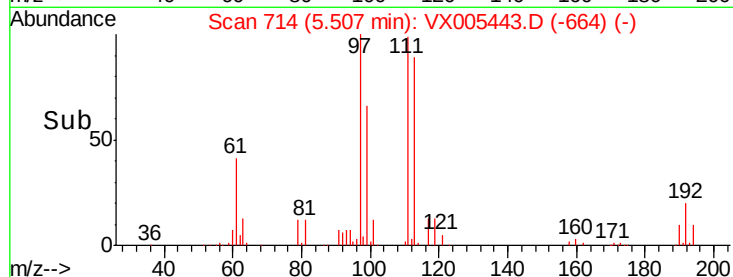
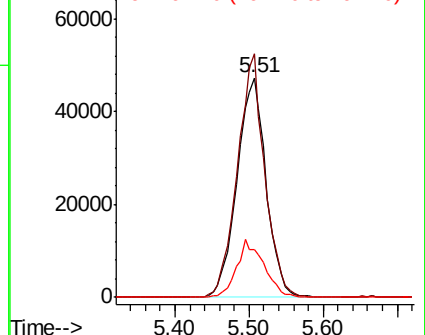
192 24.6 19.4 29.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 43.988 ug/l

RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

Lab File: VX005443.D

Acq: 18 Oct 2018 21:04

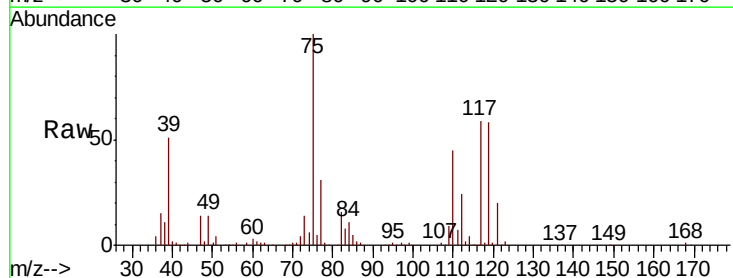
Tgt Ion: 75 Resp: 164470

Ion Ratio Lower Upper

75 100

110 38.5 18.0 54.0

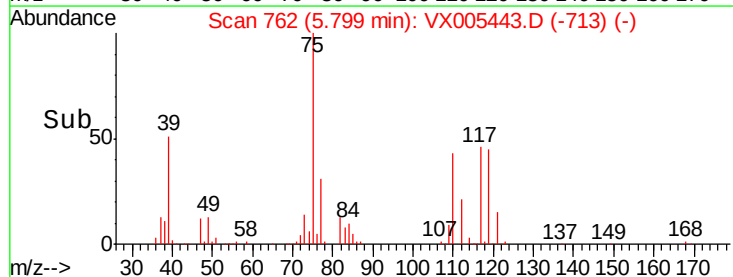
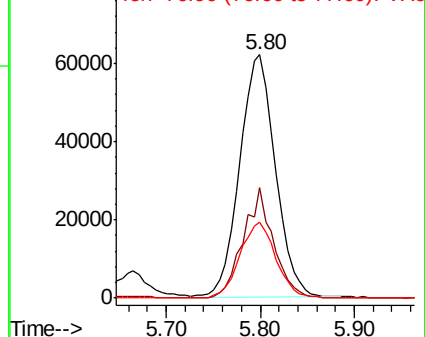
77 31.3 24.6 36.8

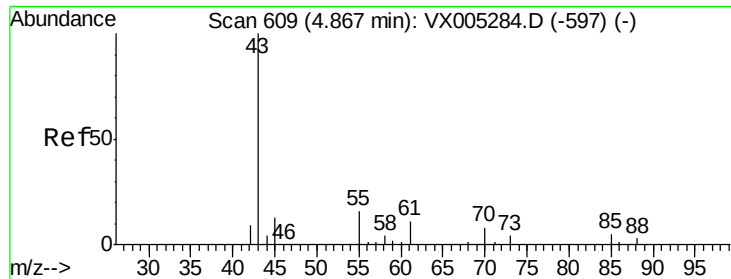


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 47.700 ug/l

RT: 4.85 min Scan# 607

Delta R.T. -0.01 min

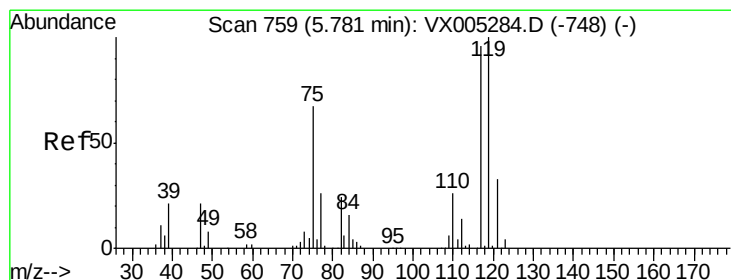
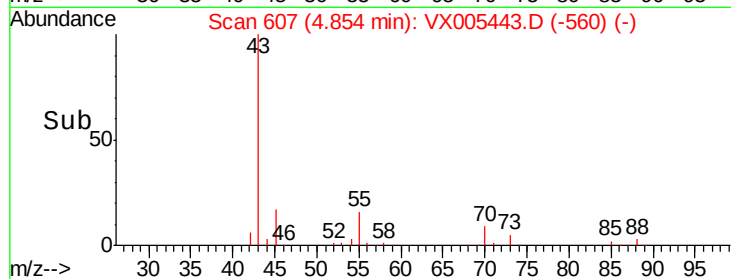
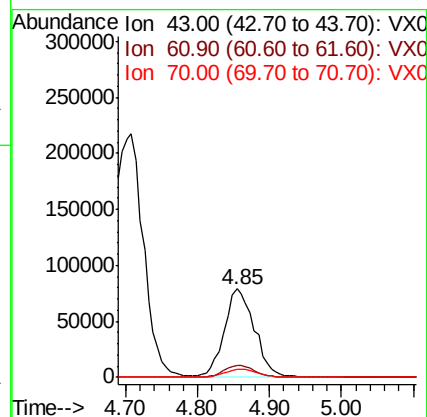
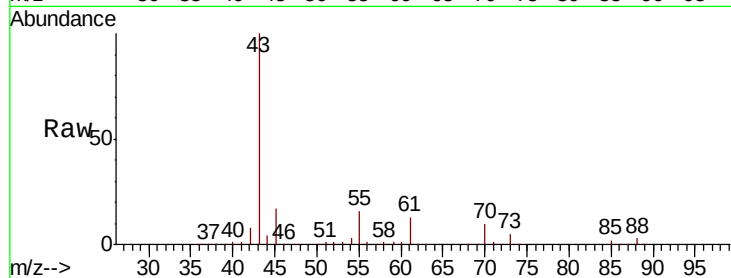
Lab File: VX005443.D

Acq: 18 Oct 2018 21:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 229363

Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.5	17.3
70	9.8	9.0	13.6



#38

Carbon Tetrachloride

Concen: 47.428 ug/l

RT: 5.77 min Scan# 758

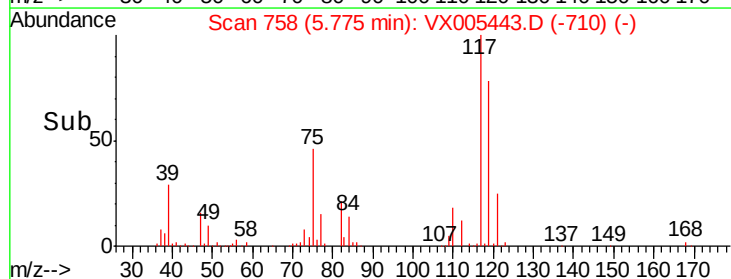
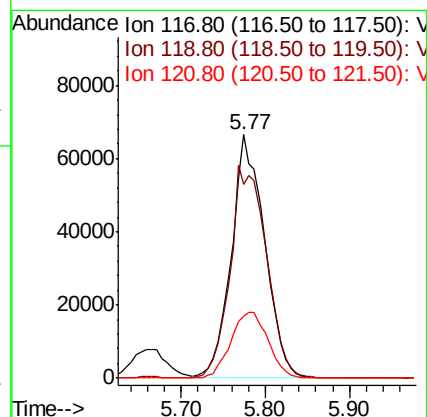
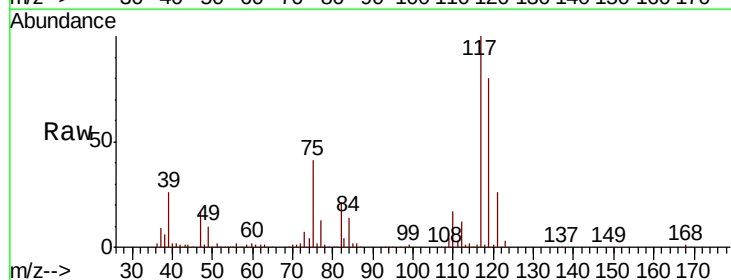
Delta R.T. -0.01 min

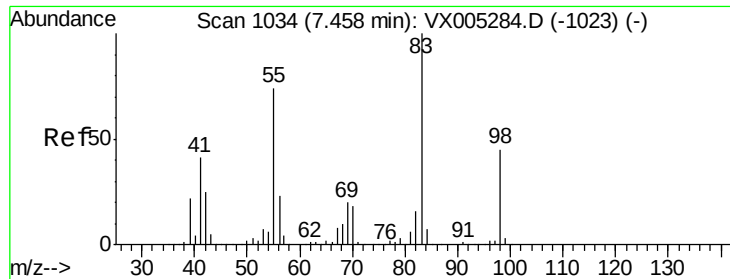
Lab File: VX005443.D

Acq: 18 Oct 2018 21:04

Tgt Ion: 117 Resp: 178182

Ion	Ratio	Lower	Upper
117	100		
119	79.7	78.8	118.2
121	25.6	24.9	37.3

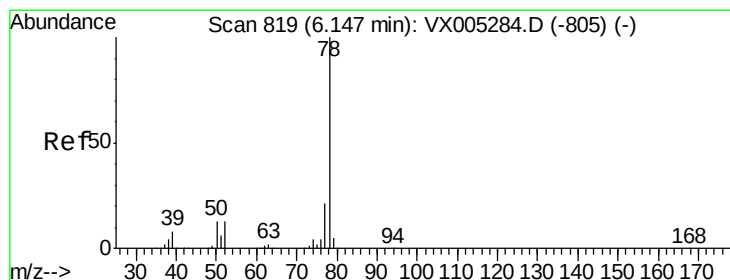
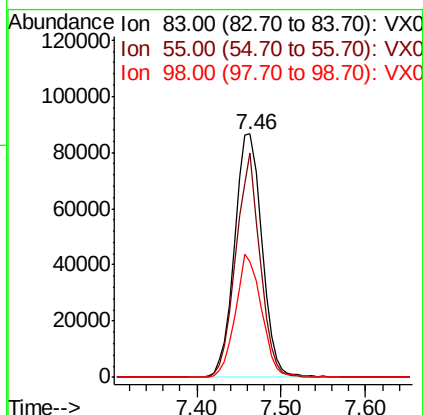
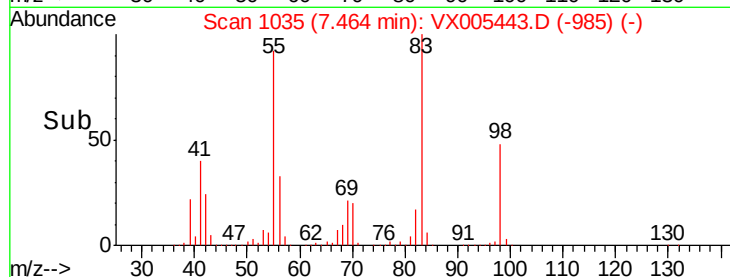
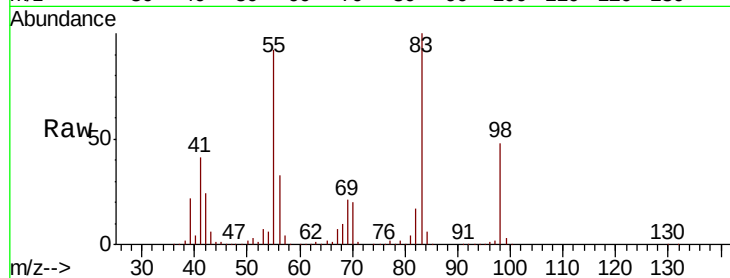




#39
Methylvlcyclohexane
Concen: 47.177 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX005443.D
Acq: 18 Oct 2018 21:04

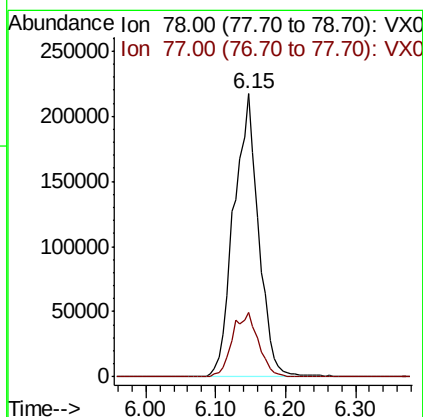
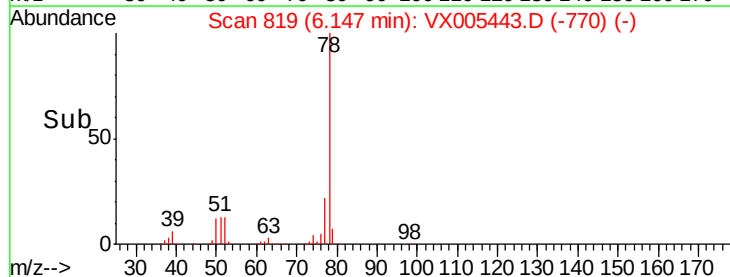
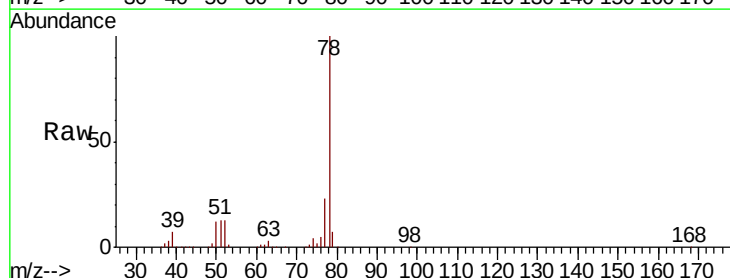
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

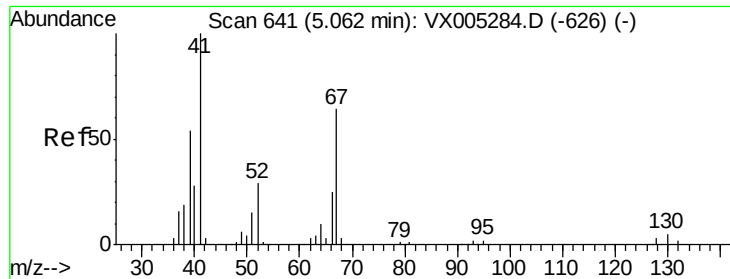
Tot Ion: 83 Resp: 190909
Ion Ratio Lower Upper
83 100
55 92.3 61.0 91.4#
98 47.7 39.6 59.4



#40
Benzene
Concen: 47.686 ug/l
RT: 6.15 min Scan# 819
Delta R.T. -0.00 min
Lab File: VX005443.D
Acq: 18 Oct 2018 21:04

Tgt Ion: 78 Resp: 534853
Ion Ratio Lower Upper
78 100
77 22.6 19.0 28.4

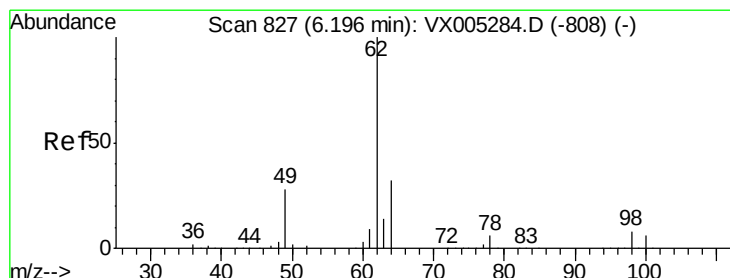
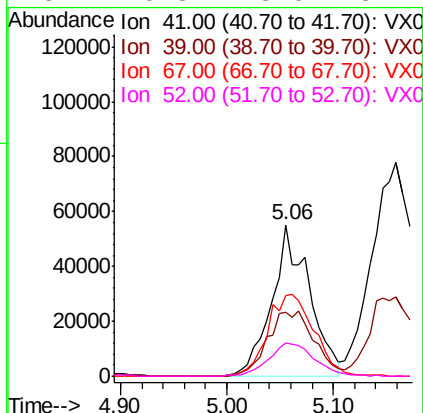
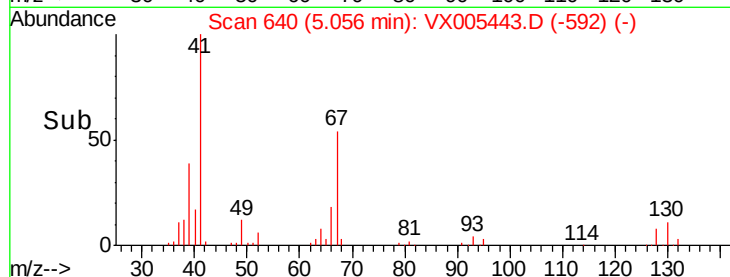
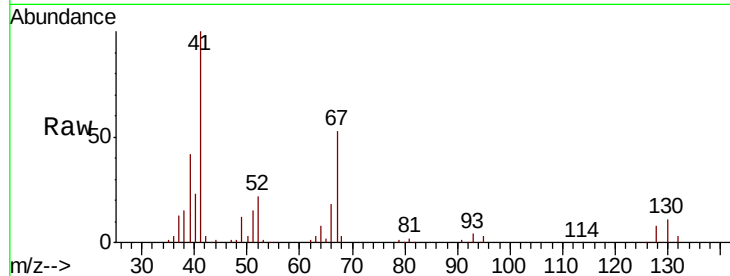




#41
Methacrylonitrile
Concen: 52.087 ug/l
RT: 5.06 min Scan# 640
Delta R.T. -0.01 min
Lab File: VX005443.D
Acq: 18 Oct 2018 21:04

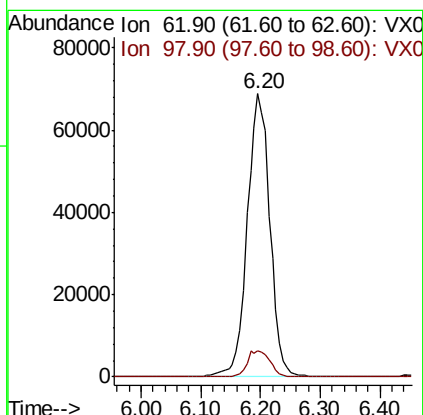
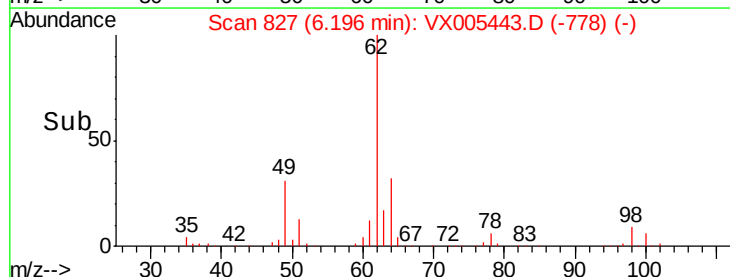
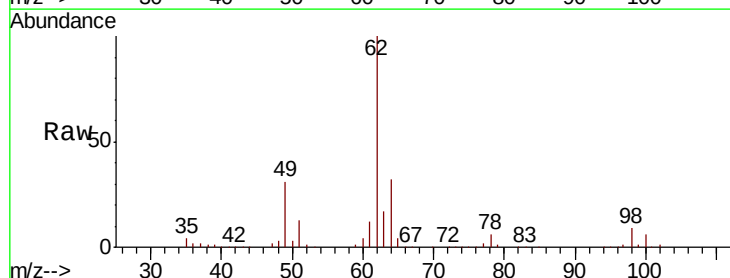
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

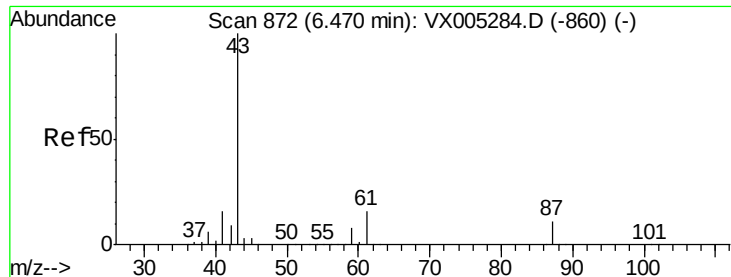
Tot Ion:	41	Resp:	134273
Ion	Ratio	Lower	Upper
41	100		
39	53.3	42.4	63.6
67	67.5	59.2	88.8
52	26.3	23.0	34.4



#42
1,2-Dichloroethane
Concen: 45.834 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX005443.D
Acq: 18 Oct 2018 21:04

Tgt Ion:	62	Resp:	181522
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	20.6





#43

Isopropyl Acetate

Concen: 52.803 ug/l

RT: 6.46 min Scan# 871

Delta R.T. -0.01 min

Lab File: VX005443.D

Acq: 18 Oct 2018 21:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

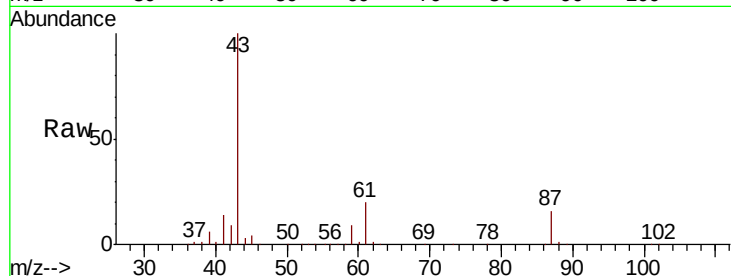
Tot Ion: 43 Resp: 338216

Ion Ratio Lower Upper

43 100

61 20.7 17.0 25.4

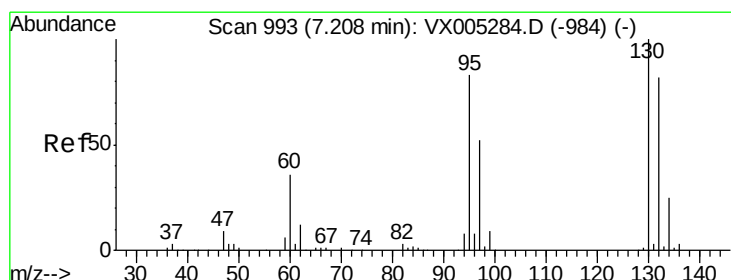
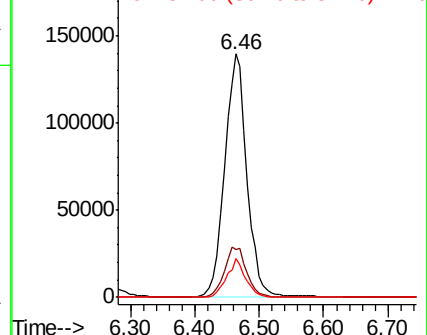
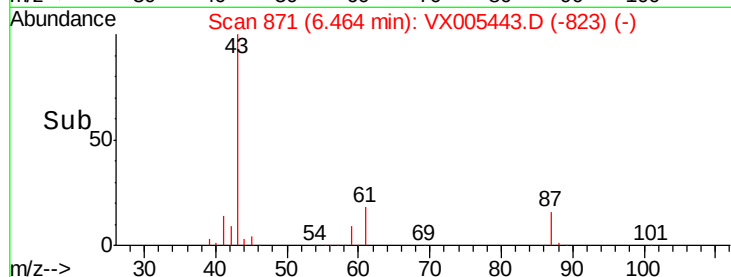
87 13.6 11.4 17.2



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: 48.421 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.01 min

Lab File: VX005443.D

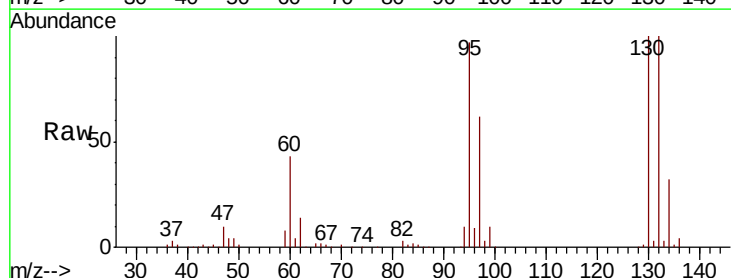
Acq: 18 Oct 2018 21:04

Tgt Ion:130 Resp: 138727

Ion Ratio Lower Upper

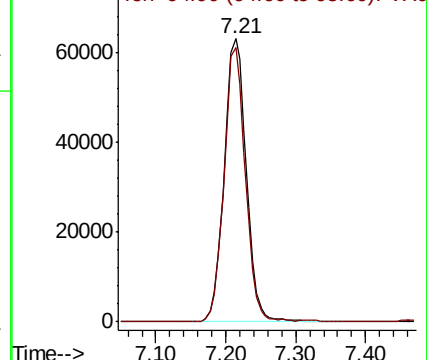
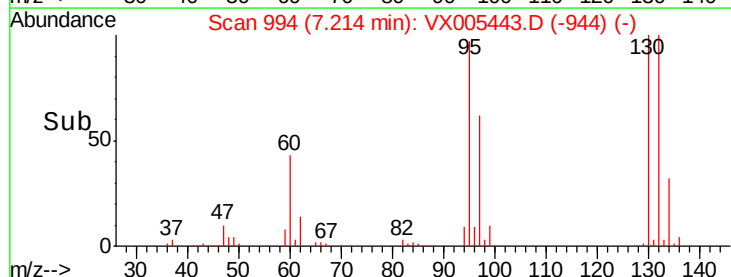
130 100

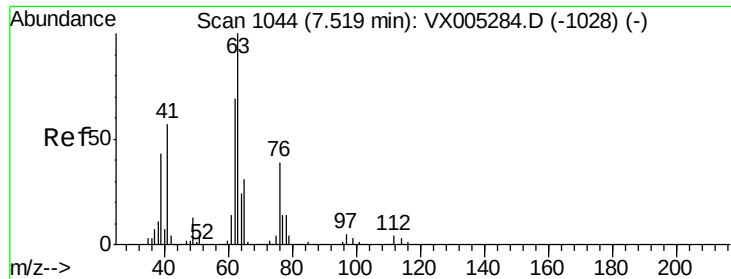
95 97.0 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

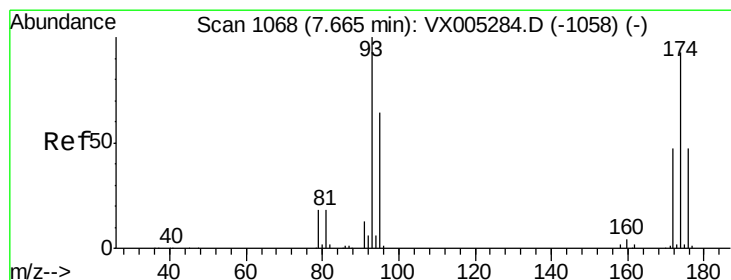
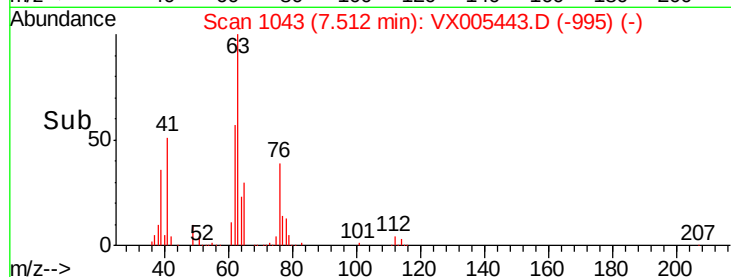
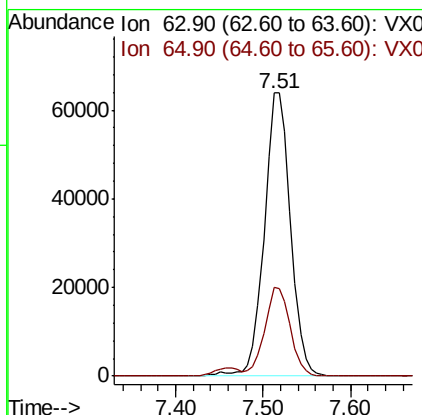
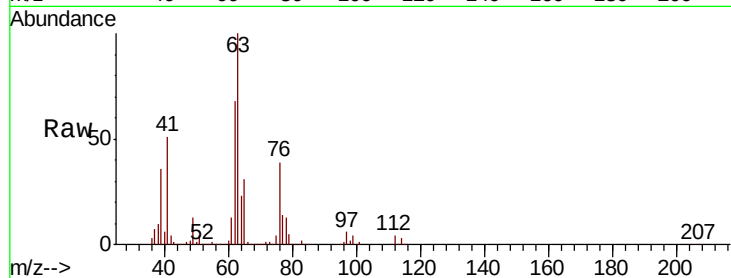




#45
 1,2-Dichloropropane
 Concen: 48.934 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.01 min
 Lab File: VX005443.D
 Acq: 18 Oct 2018 21:04

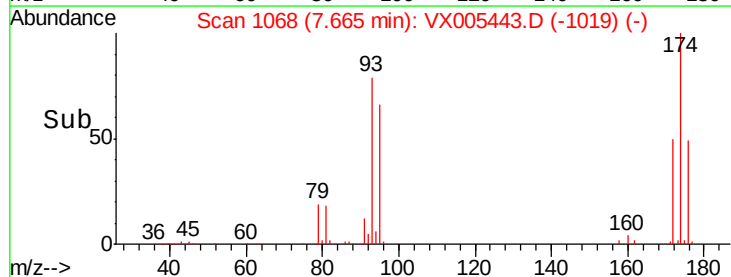
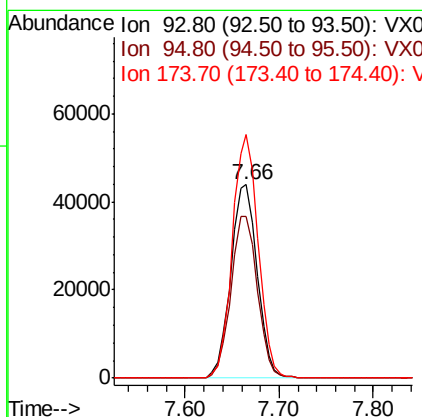
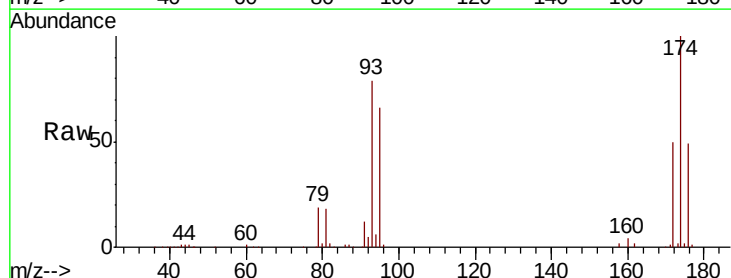
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

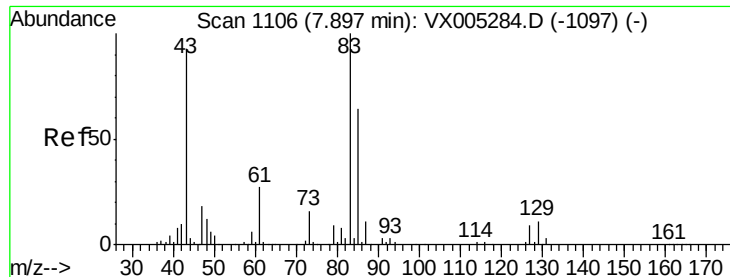
Tot Ion: 63 Resp: 134633
 Ion Ratio Lower Upper
 63 100
 65 31.3 24.3 36.5



#46
 Dibromomethane
 Concen: 47.193 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. -0.00 min
 Lab File: VX005443.D
 Acq: 18 Oct 2018 21:04

Tgt Ion: 93 Resp: 85697
 Ion Ratio Lower Upper
 93 100
 95 84.0 65.5 98.3
 174 122.7 94.2 141.4





#47

Bromodichloromethane

Concen: 49.533 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX005443.D

Acq: 18 Oct 2018 21:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

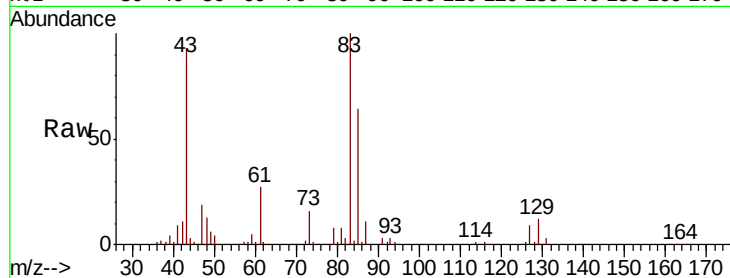
Tot Ion: 83 Resp: 166377

Ion Ratio Lower Upper

83 100

85 64.1 50.9 76.3

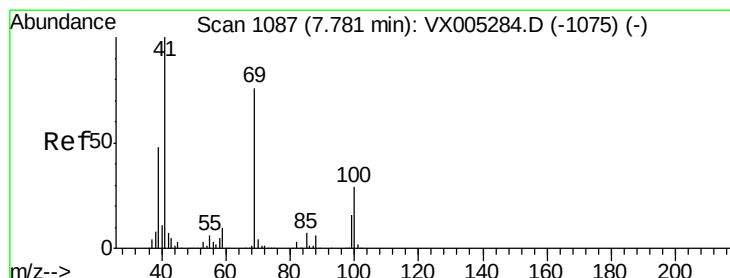
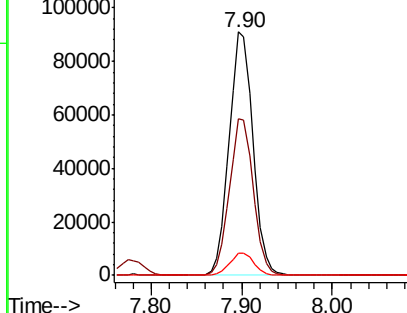
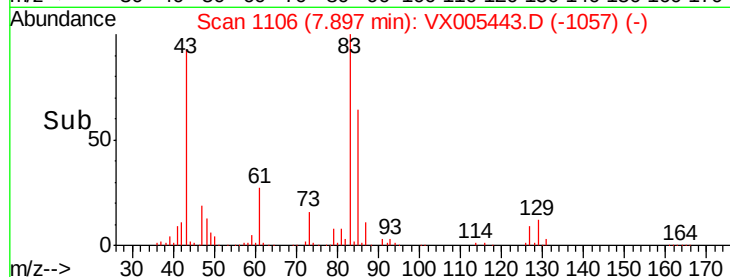
127 9.0 7.3 10.9



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: 50.187 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. -0.01 min

Lab File: VX005443.D

Acq: 18 Oct 2018 21:04

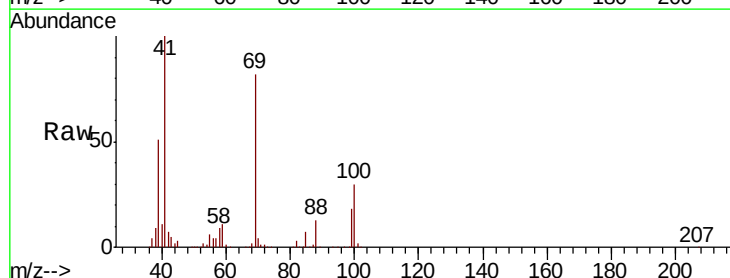
Tgt Ion: 41 Resp: 166727

Ion Ratio Lower Upper

41 100

69 82.9 70.2 105.4

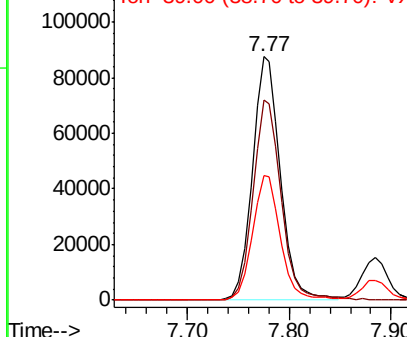
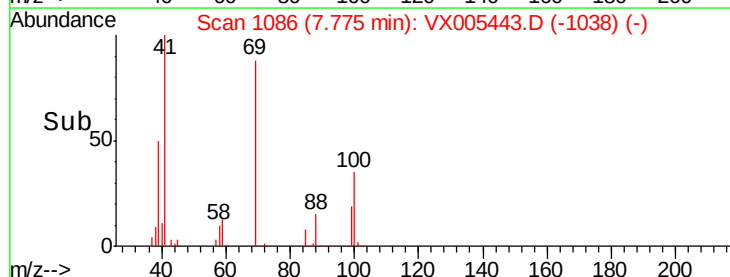
39 51.1 42.7 64.1

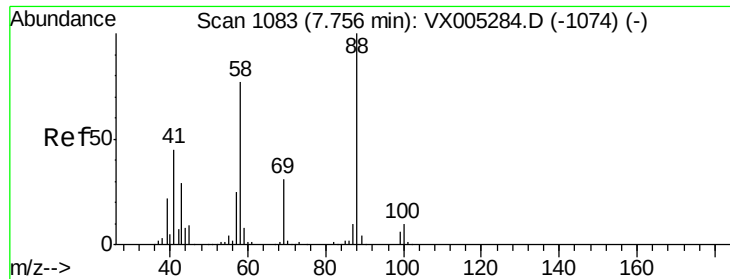


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

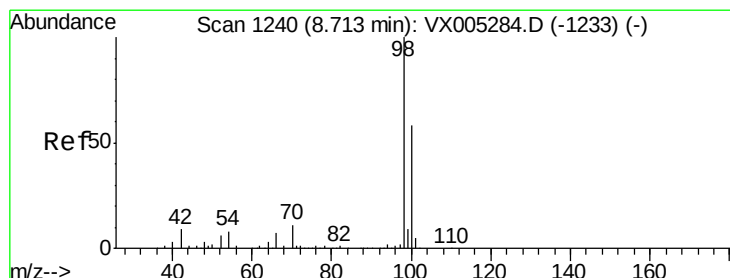
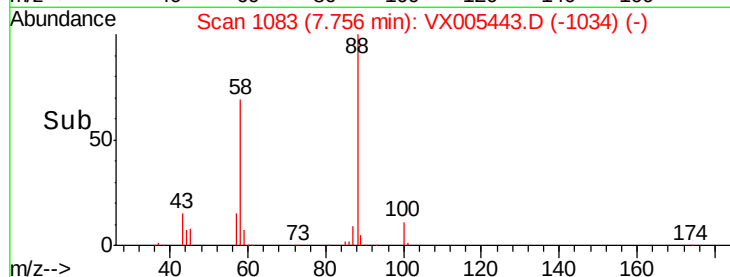
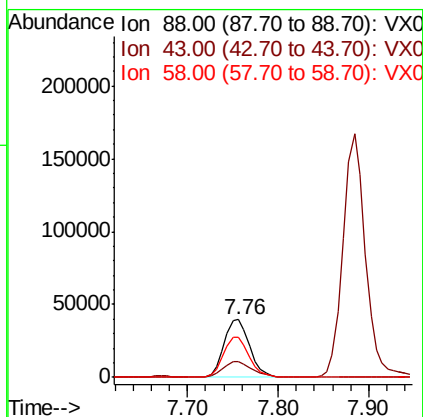
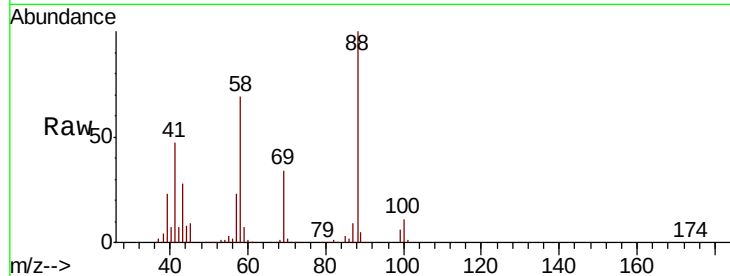




#49
1,4-Dioxane
Concen: 1016.015 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. -0.00 min
Lab File: VX005443.D
Acq: 18 Oct 2018 21:04

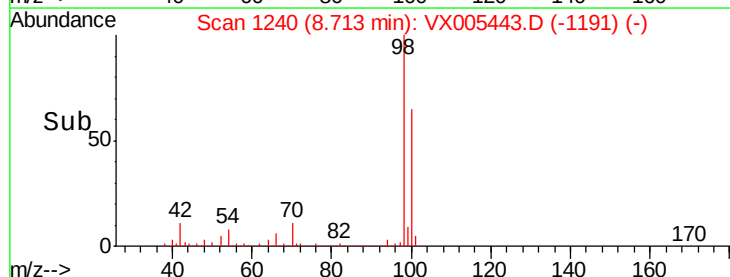
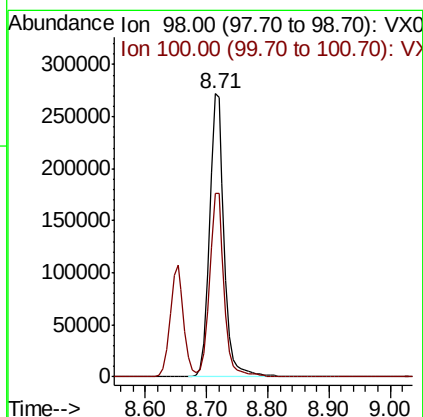
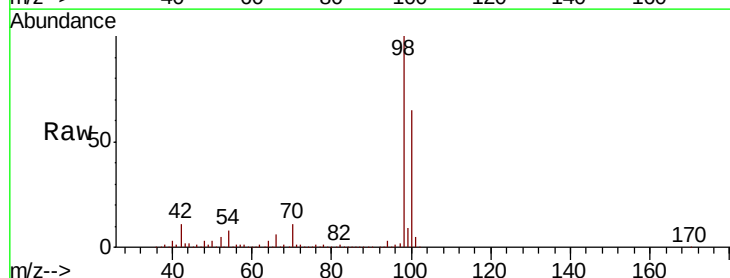
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

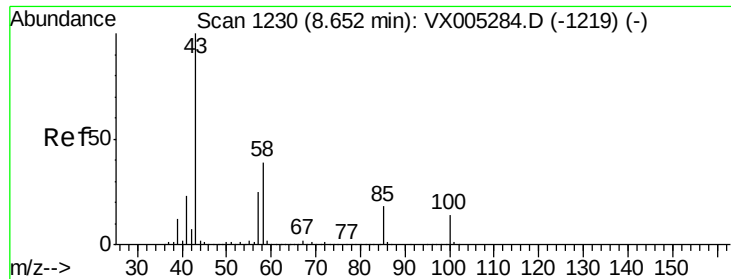
Tot Ion: 88 Resp: 77851
Ion Ratio Lower Upper
88 100
43 30.1 24.7 37.1
58 70.4 55.3 82.9



#50
Toluene-d8
Concen: 52.472 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX005443.D
Acq: 18 Oct 2018 21:04

Tgt Ion: 98 Resp: 460619
Ion Ratio Lower Upper
98 100
100 64.5 52.9 79.3





#51

4-Methyl-2-Pentanone

Concen: 258.153 ug/l

RT: 8.65 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VX005443.D

Acq: 18 Oct 2018 21:04

Instrument :

MSVOA_X

ClientSampleId :

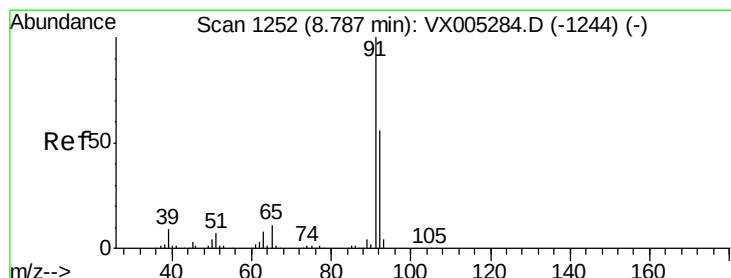
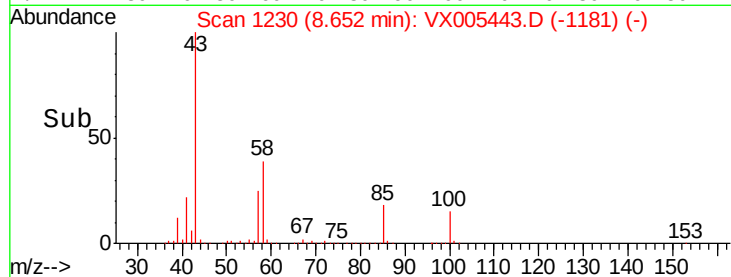
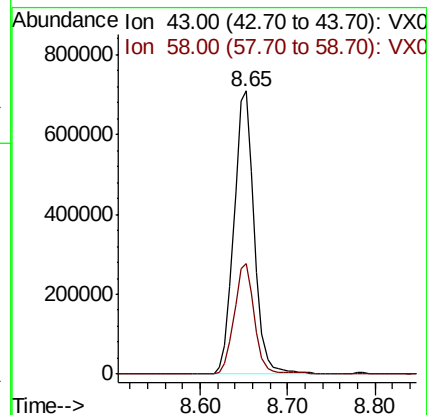
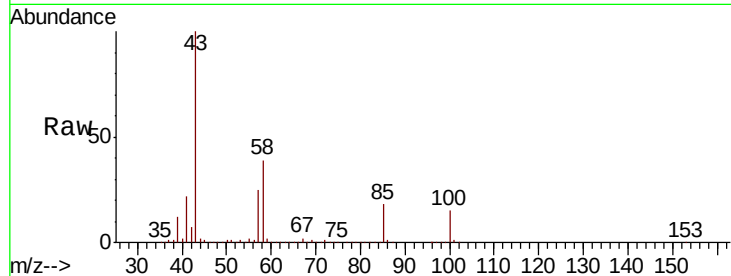
VSTDCCC050EC

Tot Ion: 43 Resp: 1144942

Ion Ratio Lower Upper

43 100

58 39.4 33.1 49.7



#52

Toluene

Concen: 50.990 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005443.D

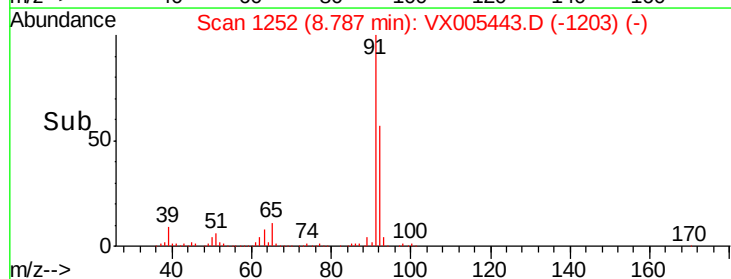
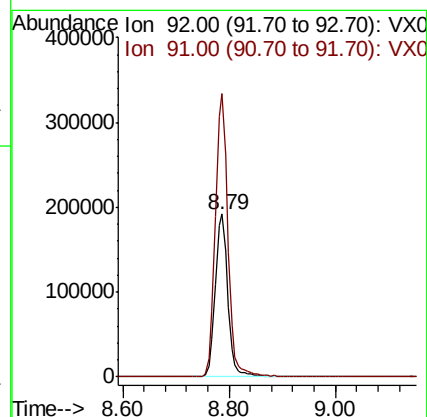
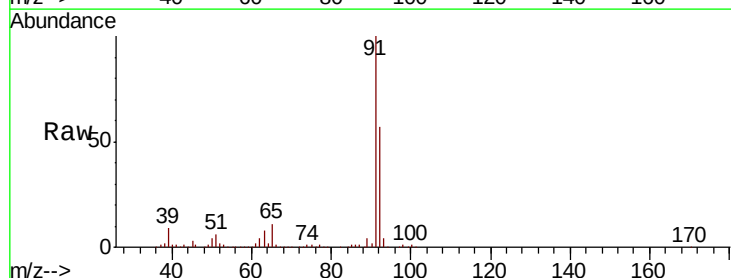
Acq: 18 Oct 2018 21:04

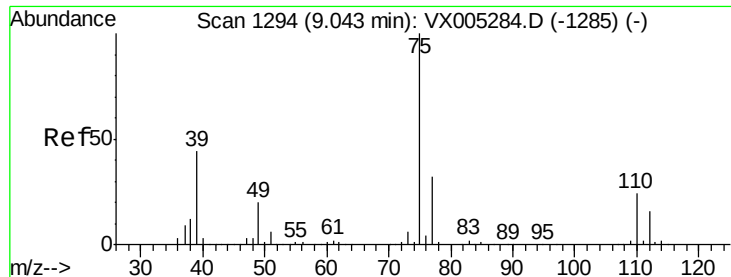
Tgt Ion: 92 Resp: 312888

Ion Ratio Lower Upper

92 100

91 174.6 136.4 204.6





#53

t-1,3-Dichloropropene

Concen: 51.865 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX005443.D

Acq: 18 Oct 2018 21:04

Instrument :

MSVOA_X

ClientSampleId :

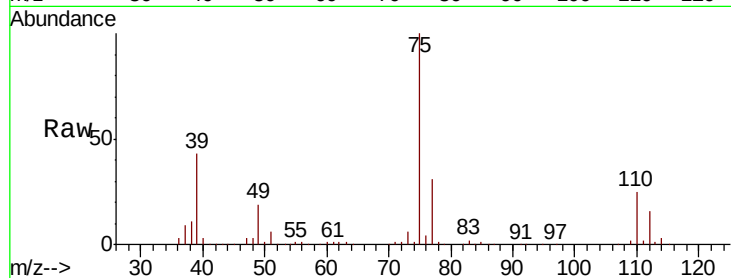
VSTDCCC050EC

Tot Ion: 75 Resp: 188531

Ion Ratio Lower Upper

75 100

77 31.5 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

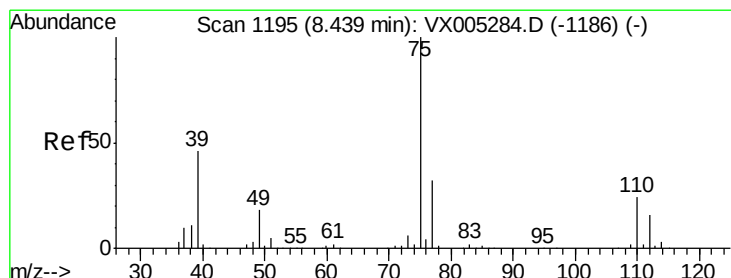
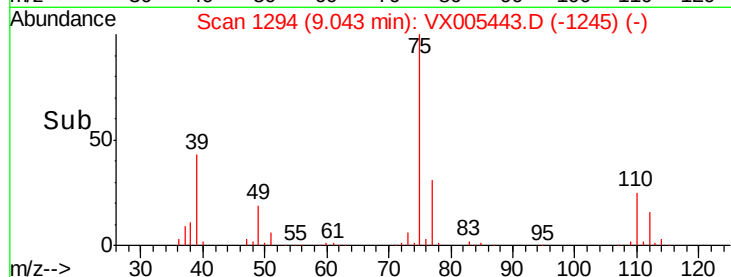
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 51.157 ug/l

RT: 8.44 min Scan# 1195

Delta R.T. -0.00 min

Lab File: VX005443.D

Acq: 18 Oct 2018 21:04

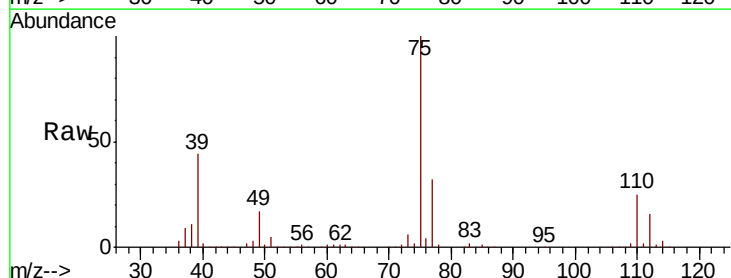
Tgt Ion: 75 Resp: 201490

Ion Ratio Lower Upper

75 100

77 32.3 26.2 39.2

39 44.1 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

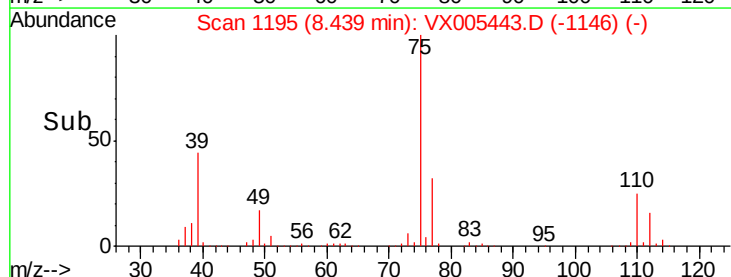
150000

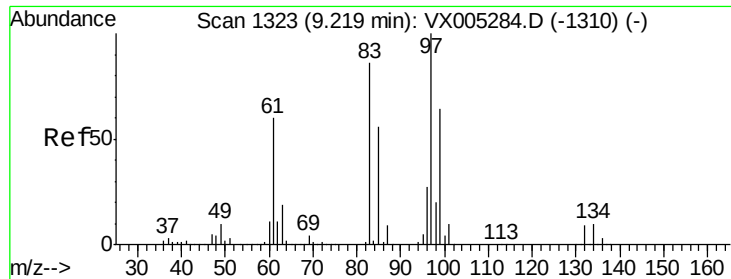
100000

50000

0

Time-->

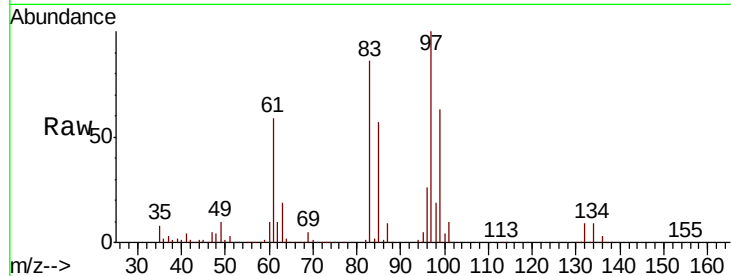




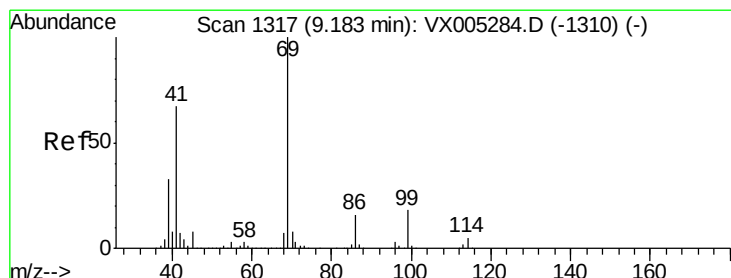
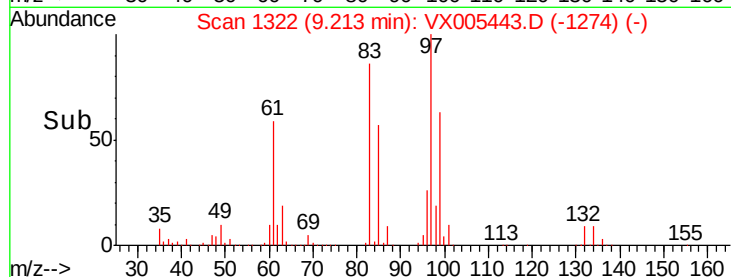
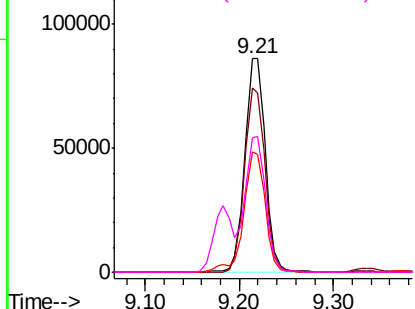
#55
 1,1,2-Trichloroethane
 Concen: 50.694 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: VX005443.D
 Acq: 18 Oct 2018 21:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	131758
Ion	Ratio	Lower	Upper
97	100		
83	86.2	66.4	99.6
85	56.6	43.3	64.9
99	62.8	49.0	73.4

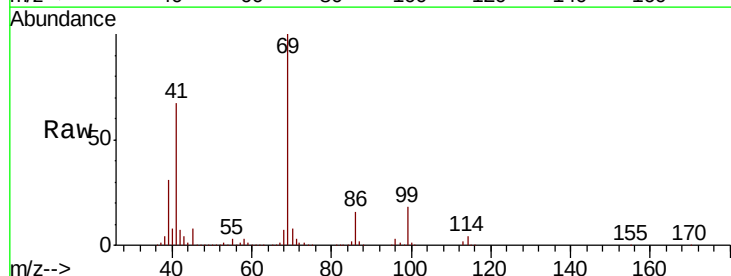


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

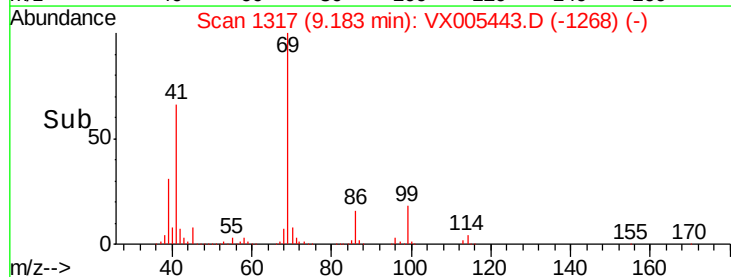
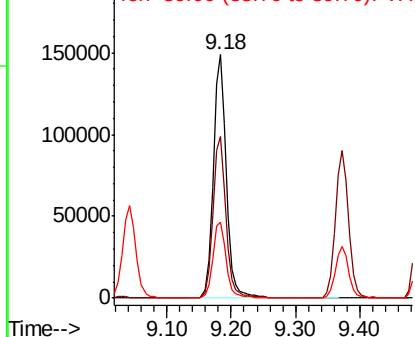


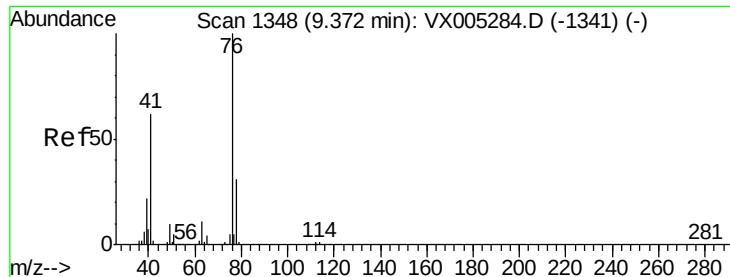
#56
 Ethyl methacrylate
 Concen: 55.616 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX005443.D
 Acq: 18 Oct 2018 21:04

Tgt Ion:	69	Resp:	210726
Ion	Ratio	Lower	Upper
69	100		
41	66.8	51.0	76.4
39	32.2	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: 50.846 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX005443.D

Acq: 18 Oct 2018 21:04

Instrument :

MSVOA_X

ClientSampleId :

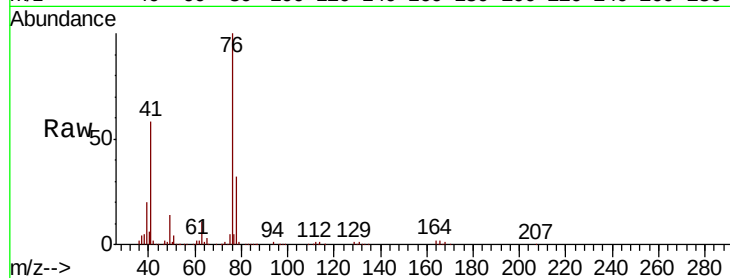
VSTDCCC050EC

Tot Ion: 76 Resp: 220574

Ion Ratio Lower Upper

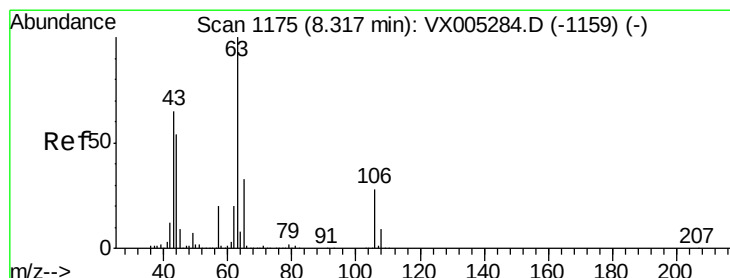
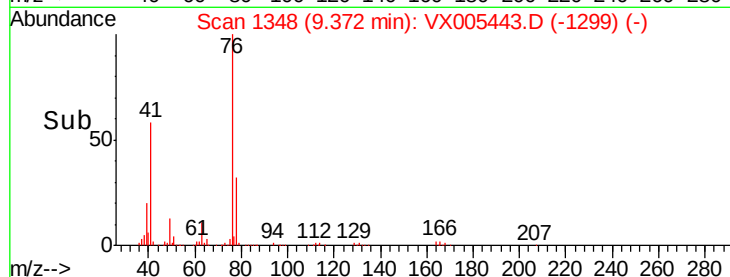
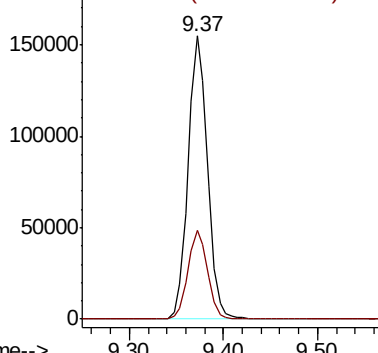
76 100

78 31.9 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: 269.521 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VX005443.D

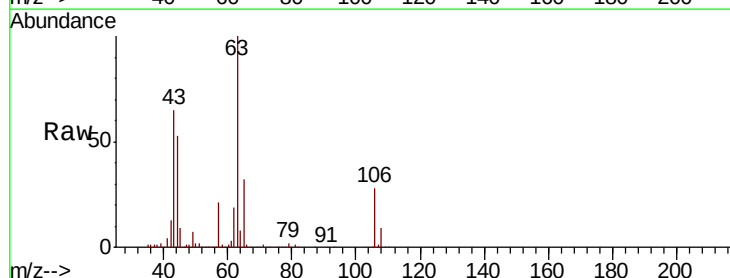
Acq: 18 Oct 2018 21:04

Tgt Ion: 63 Resp: 572705

Ion Ratio Lower Upper

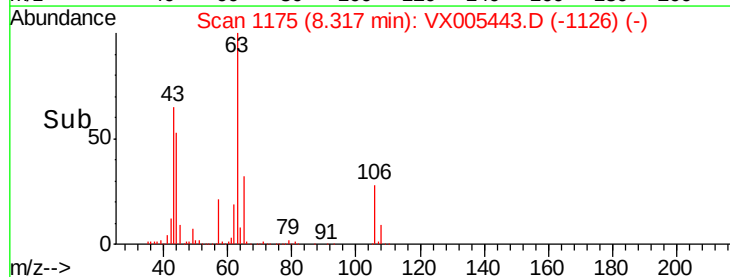
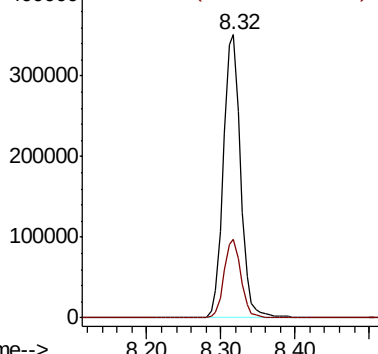
63 100

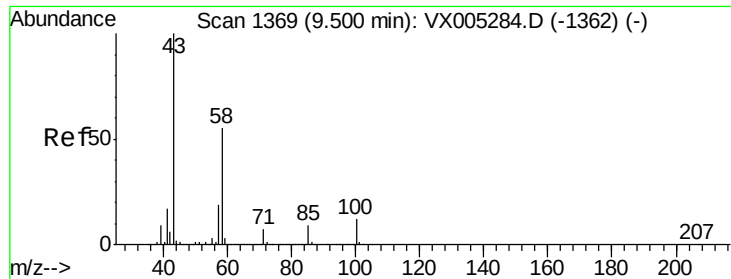
106 27.5 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

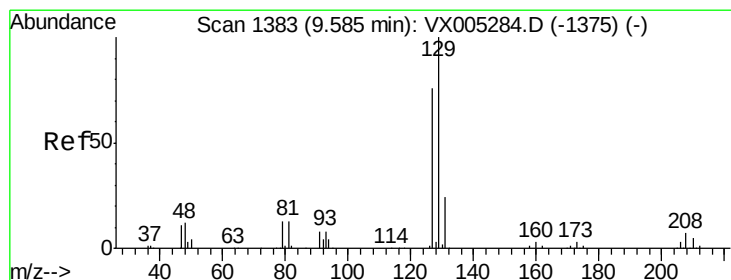
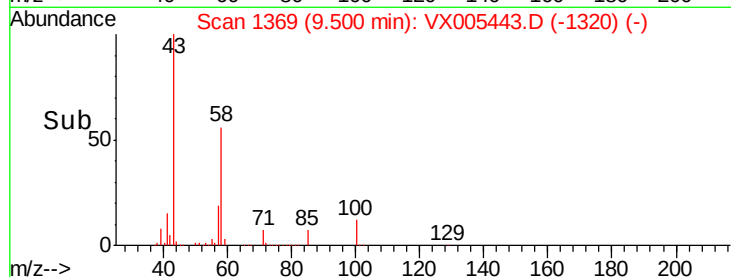
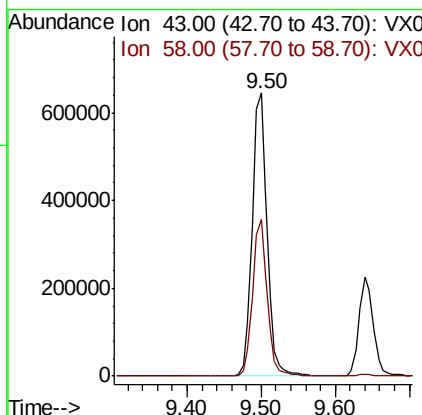
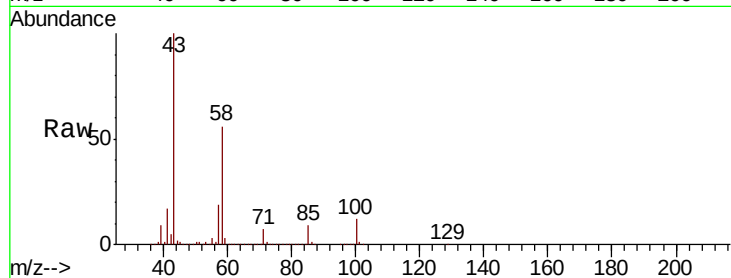




#59
2-Hexanone
Concen: 254.888 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VX005443.D
Acq: 18 Oct 2018 21:04

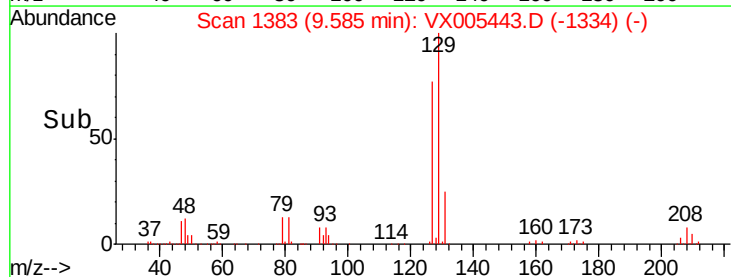
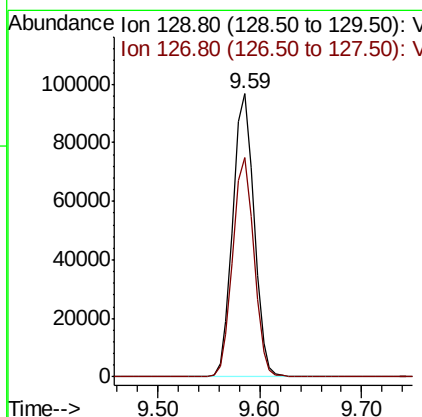
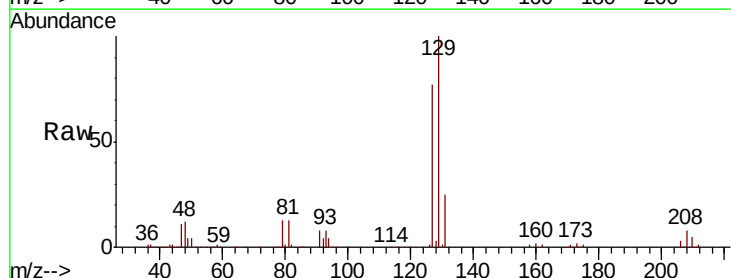
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

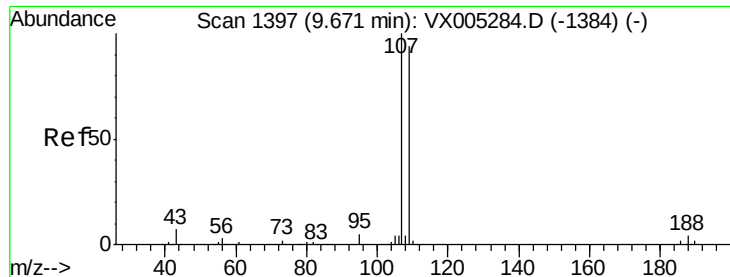
Tot Ion: 43 Resp: 909345
Ion Ratio Lower Upper
43 100
58 54.3 29.0 87.0



#60
Dibromochloromethane
Concen: 51.821 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX005443.D
Acq: 18 Oct 2018 21:04

Tgt Ion:129 Resp: 139220
Ion Ratio Lower Upper
129 100
127 77.2 38.5 115.5





#61

1,2-Dibromoethane

Concen: 50.367 ug/l

RT: 9.68 min Scan# 1398

Delta R.T. 0.01 min

Lab File: VX005443.D

Acq: 18 Oct 2018 21:04

Instrument :

MSVOA_X

ClientSampleId :

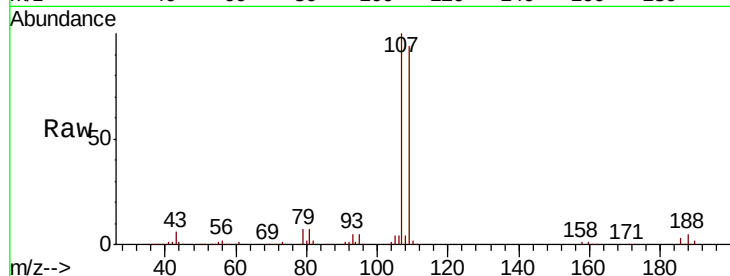
VSTDCCC050EC

Tot Ion:107 Resp: 137384

Ion Ratio Lower Upper

107 100

109 93.5 76.0 114.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

100000

80000

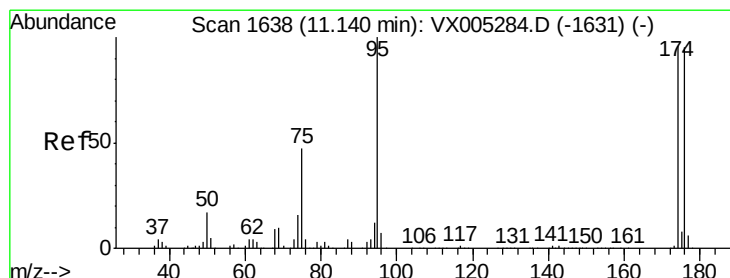
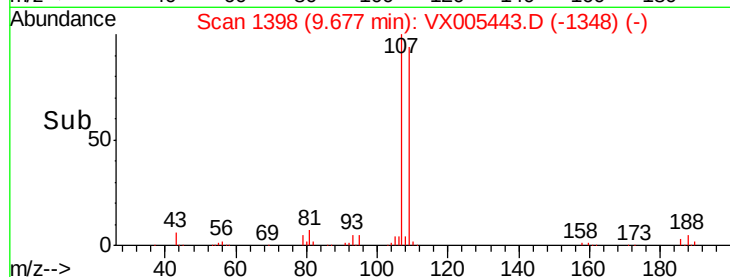
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 52.867 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005443.D

Acq: 18 Oct 2018 21:04

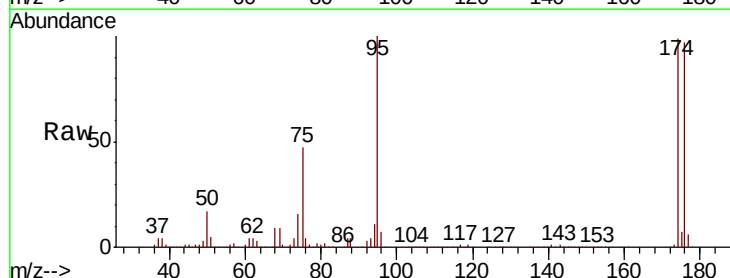
Tgt Ion: 95 Resp: 174339

Ion Ratio Lower Upper

95 100

174 94.6 0.0 185.2

176 92.8 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

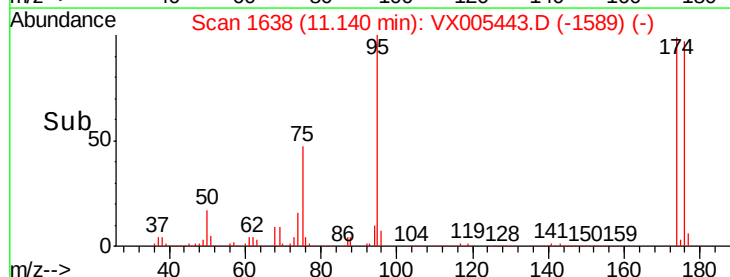
150000

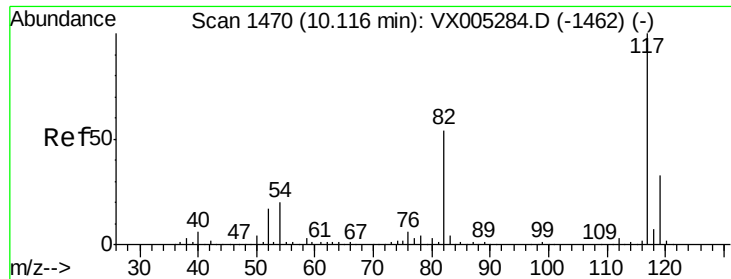
100000

50000

0

Time-->

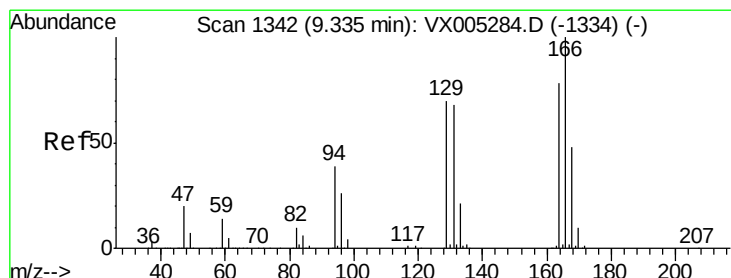
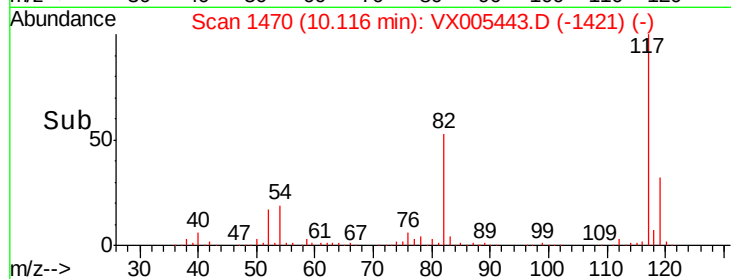
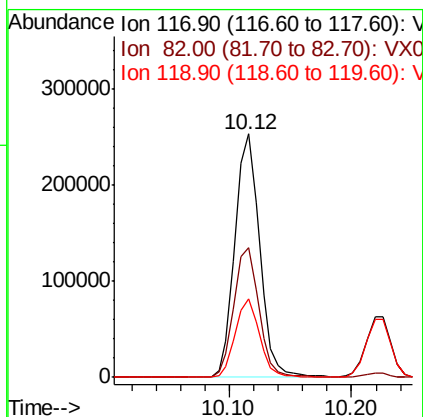
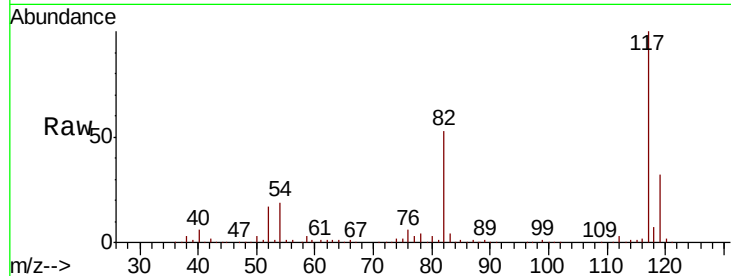




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005443.D
Acq: 18 Oct 2018 21:04

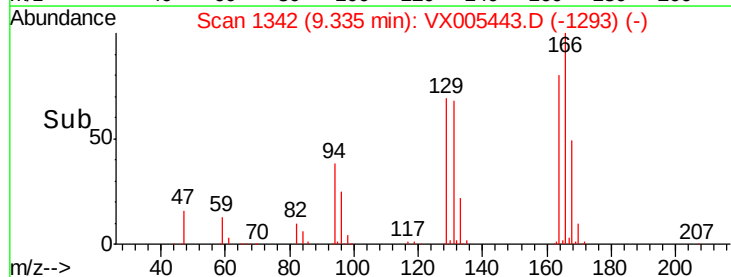
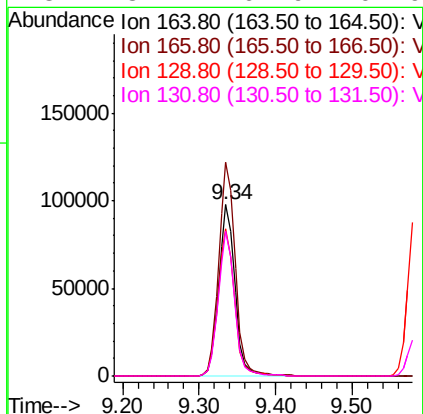
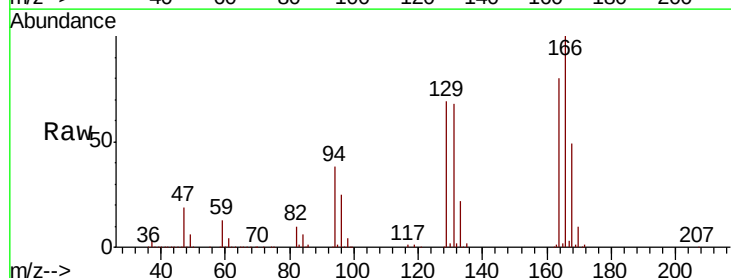
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

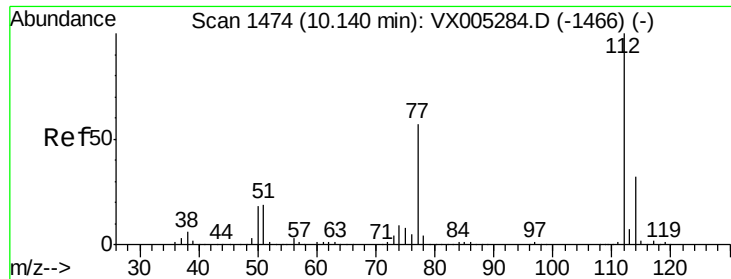
Tot Ion:117 Resp: 354990
Ion Ratio Lower Upper
117 100
82 53.0 47.8 71.6
119 32.3 29.3 43.9



#64
Tetrachloroethene
Concen: 50.291 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005443.D
Acq: 18 Oct 2018 21:04

Tgt Ion:164 Resp: 143724
Ion Ratio Lower Upper
164 100
166 124.8 102.8 154.2
129 86.0 69.4 104.0
131 84.4 67.9 101.9





#65

Chlorobenzene

Concen: 47.531 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX005443.D

Acq: 18 Oct 2018 21:04

Instrument :

MSVOA_X

ClientSampleId :

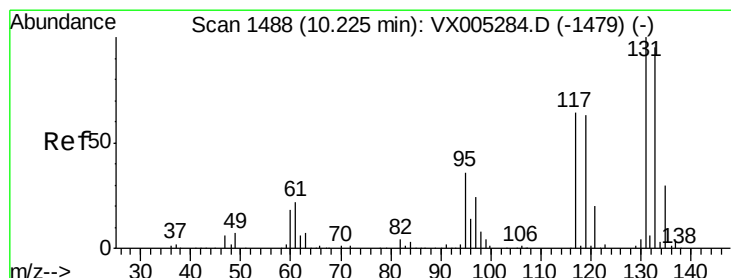
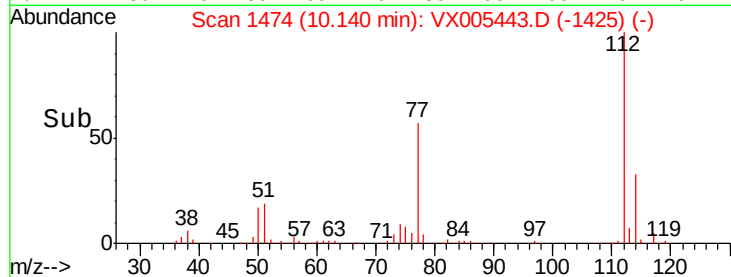
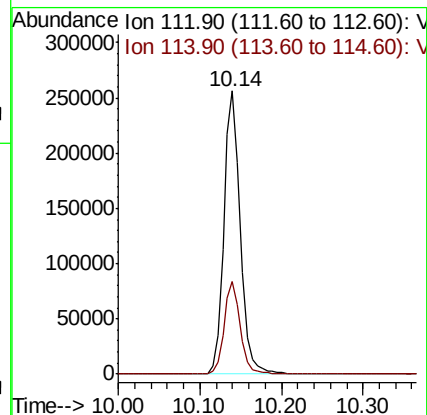
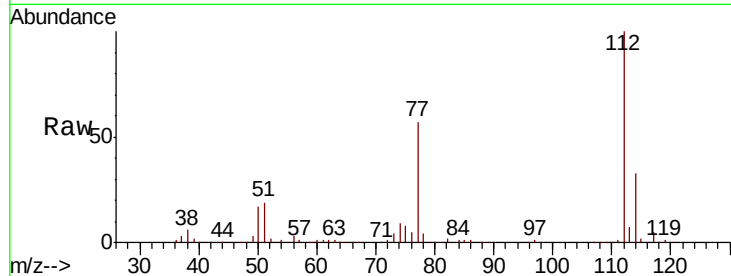
VSTDCCC050EC

Tot Ion:112 Resp: 358909

Ion Ratio Lower Upper

112 100

114 32.6 27.8 41.8



#66

1,1,1,2-Tetrachloroethane

Concen: 49.362 ug/l

RT: 10.23 min Scan# 1488

Delta R.T. -0.00 min

Lab File: VX005443.D

Acq: 18 Oct 2018 21:04

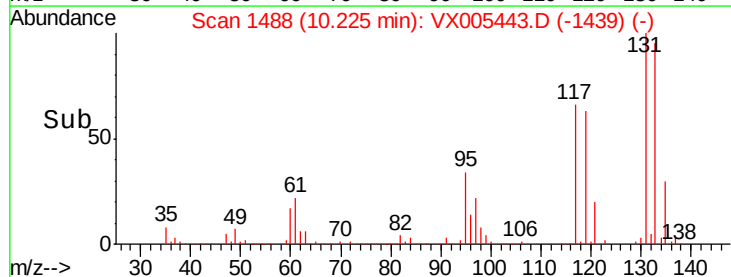
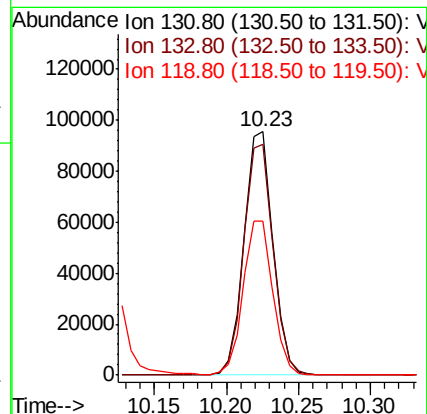
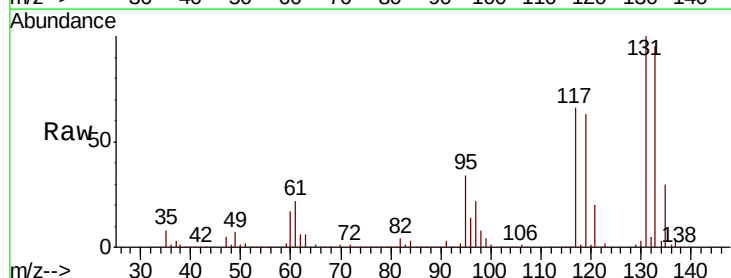
Tgt Ion:131 Resp: 132828

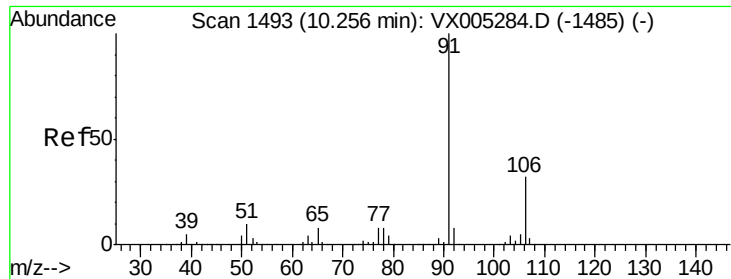
Ion Ratio Lower Upper

131 100

133 96.3 48.1 144.4

119 64.9 32.9 98.6

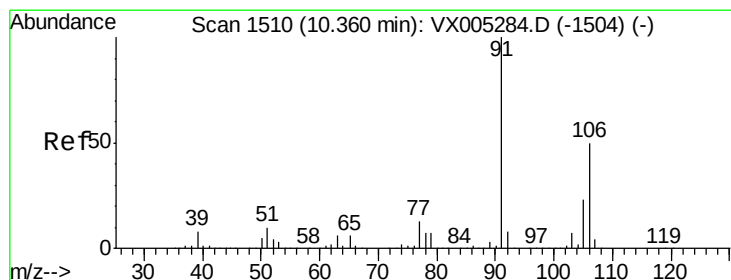
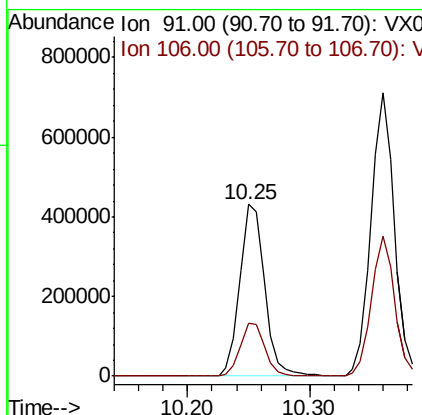
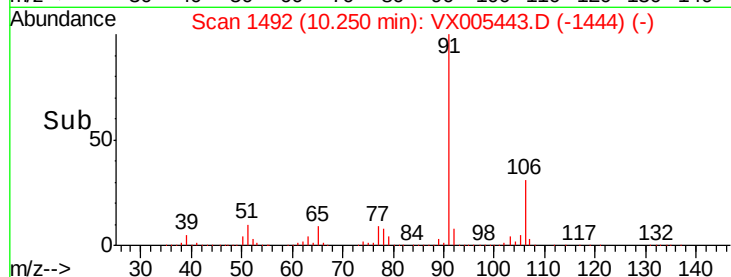
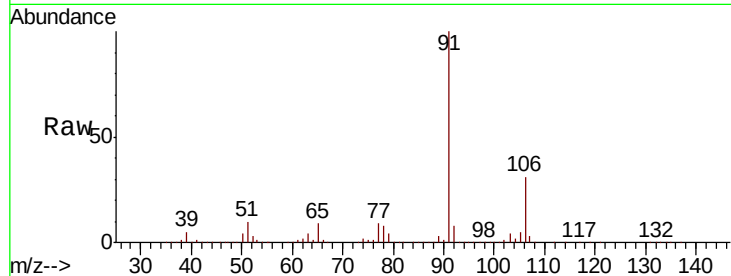




#67
Ethyl Benzene
Concen: 49.519 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VX005443.D
Acq: 18 Oct 2018 21:04

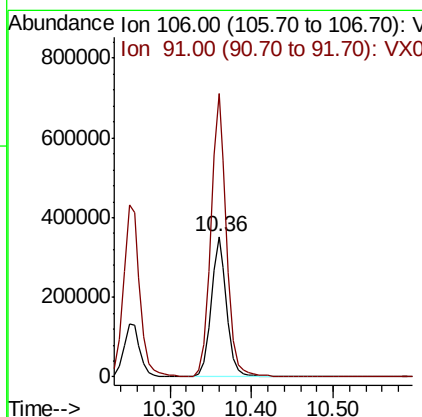
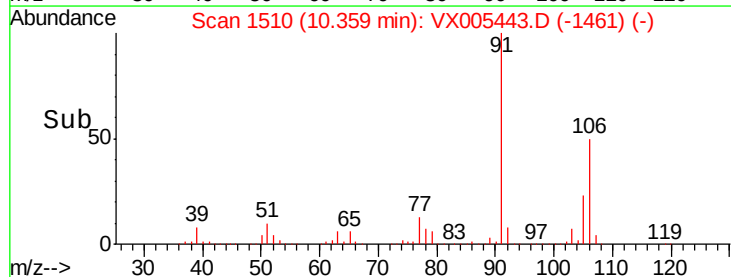
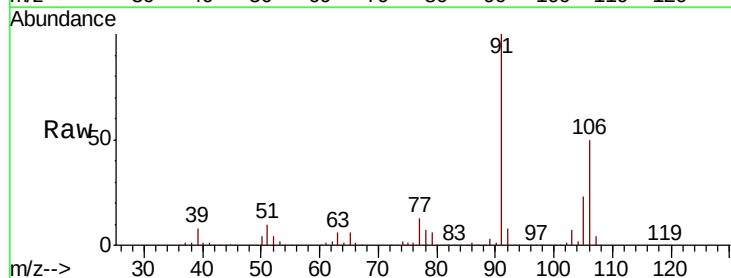
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

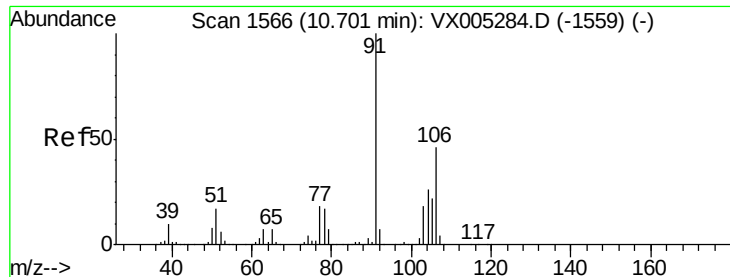
Tot Ion: 91 Resp: 607866
Ion Ratio Lower Upper
91 100
106 31.2 25.9 38.9



#68
m/p-Xylenes
Concen: 99.348 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX005443.D
Acq: 18 Oct 2018 21:04

Tgt Ion: 106 Resp: 473351
Ion Ratio Lower Upper
106 100
91 202.5 157.1 235.7

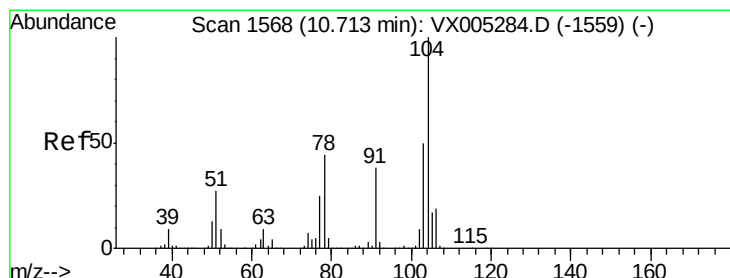
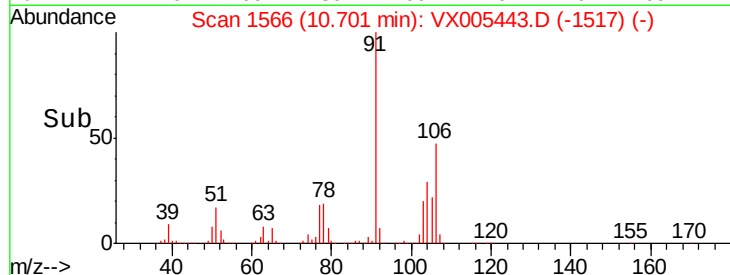
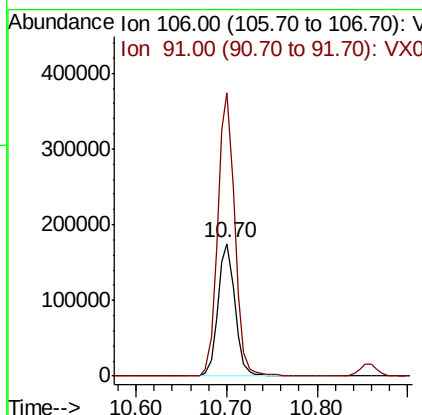
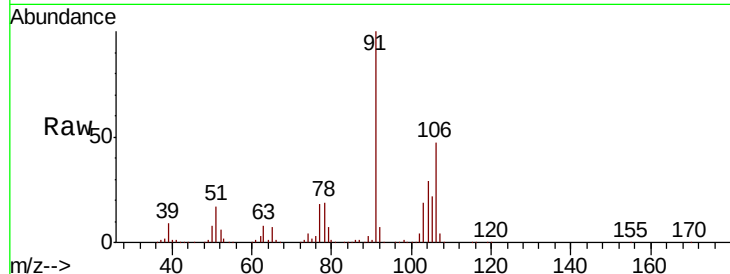




#69
o-Xylene
Concen: 50.018 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005443.D
Acq: 18 Oct 2018 21:04

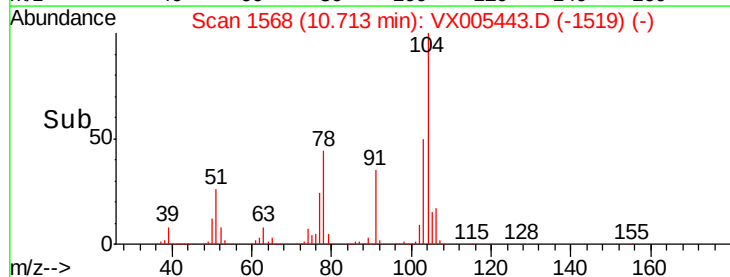
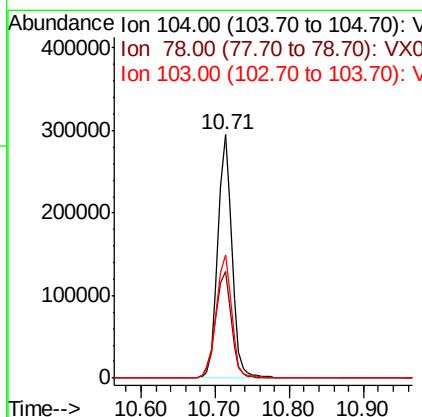
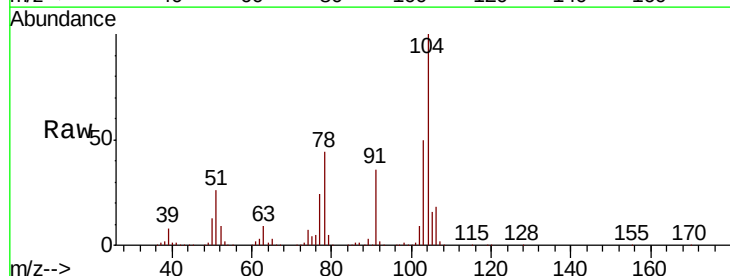
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

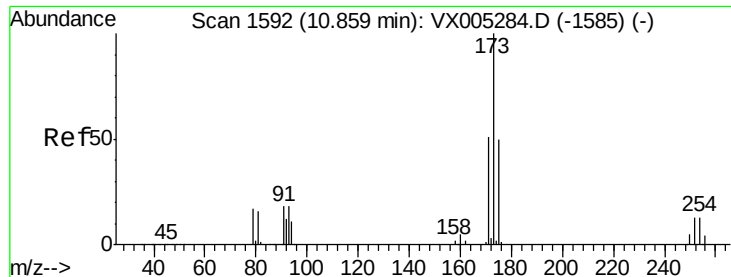
Tot Ion:106 Resp: 229839
Ion Ratio Lower Upper
106 100
91 214.2 105.1 315.1



#70
Styrene
Concen: 51.196 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005443.D
Acq: 18 Oct 2018 21:04

Tgt Ion:104 Resp: 386941
Ion Ratio Lower Upper
104 100
78 49.4 37.4 56.0
103 55.4 43.8 65.6





#71

Bromoform

Concen: 49.950 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX005443.D

Acq: 18 Oct 2018 21:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

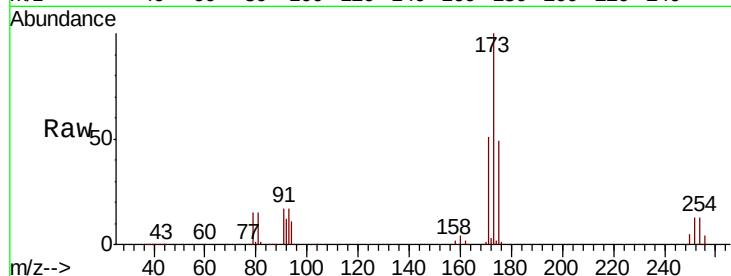
Tot Ion:173 Resp: 120114

Ion Ratio Lower Upper

173 100

175 48.0 24.1 72.3

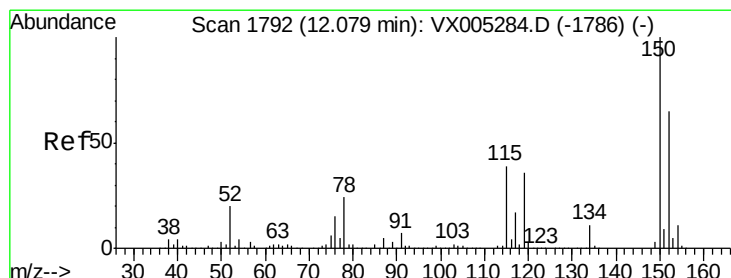
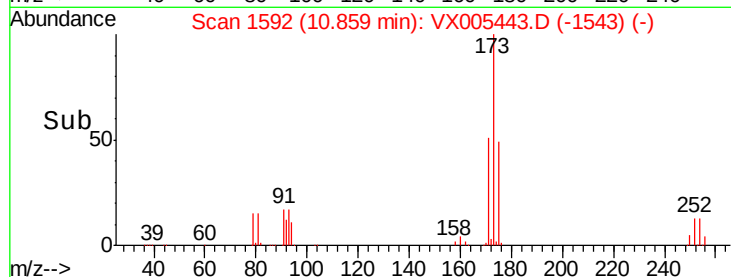
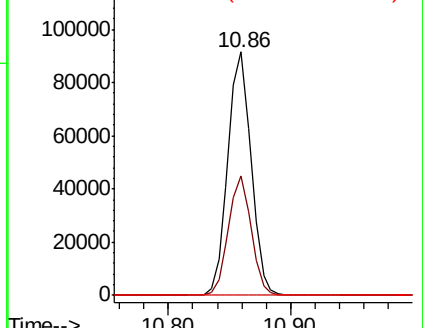
254 0.2 0.2 0.2



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005443.D

Acq: 18 Oct 2018 21:04

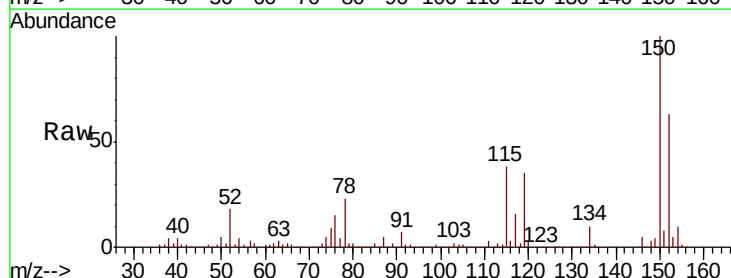
Tgt Ion:152 Resp: 203605

Ion Ratio Lower Upper

152 100

115 75.8 39.0 117.0

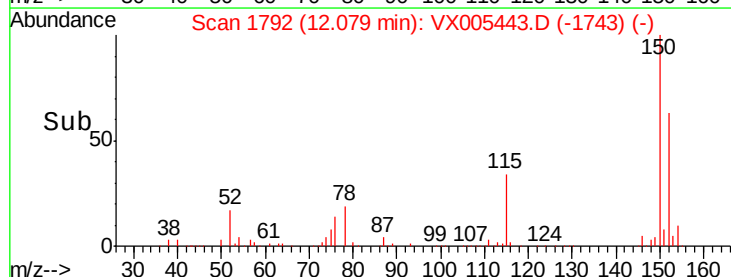
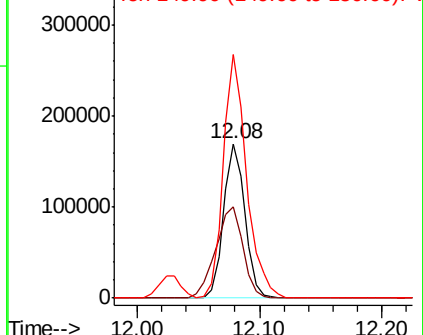
150 172.7 0.0 351.0

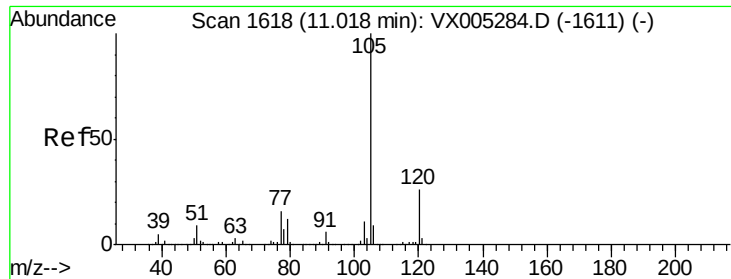


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.786 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX005443.D

Acq: 18 Oct 2018 21:04

Instrument :

MSVOA_X

ClientSampleId :

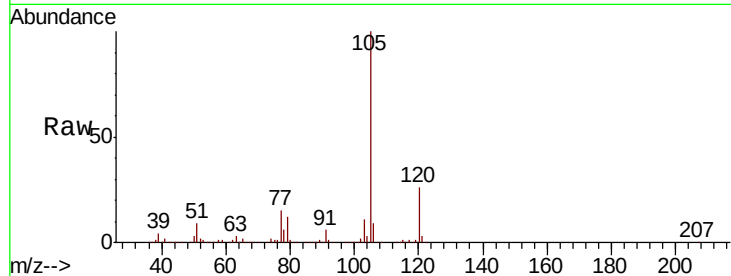
VSTDCCC050EC

Tot Ion:105 Resp: 626804

Ion Ratio Lower Upper

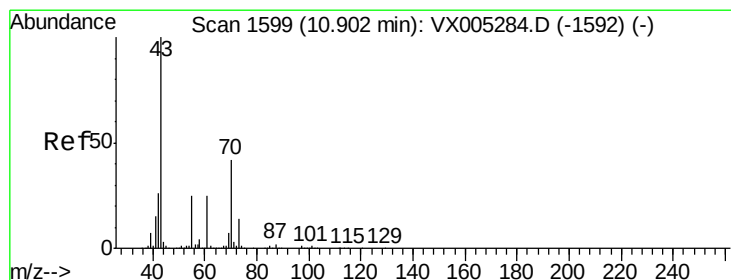
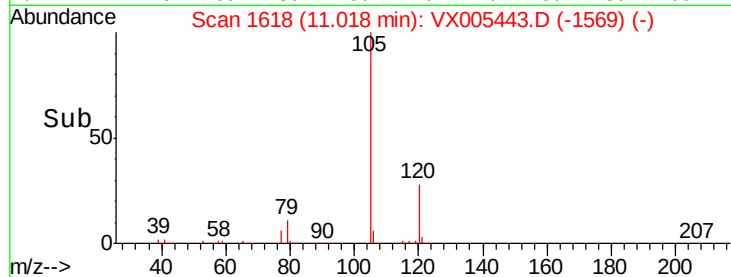
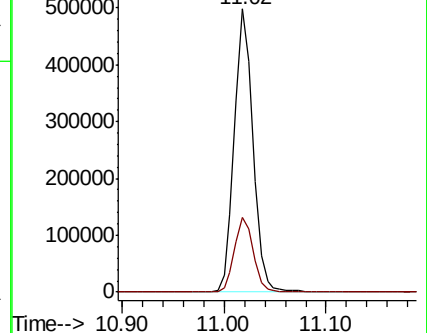
105 100

120 26.8 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: 51.157 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.01 min

Lab File: VX005443.D

Acq: 18 Oct 2018 21:04

Tgt Ion: 43 Resp: 298648

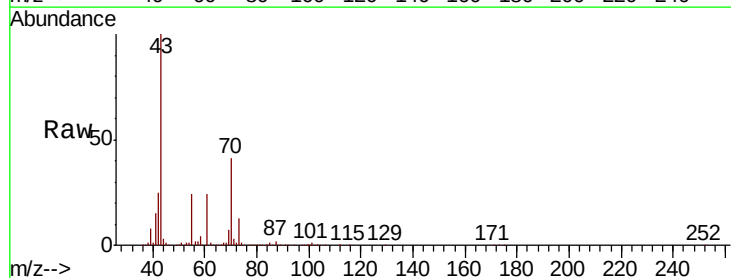
Ion Ratio Lower Upper

43 100

70 41.7 37.4 56.0

55 24.7 21.8 32.8

61 24.3 20.6 30.8

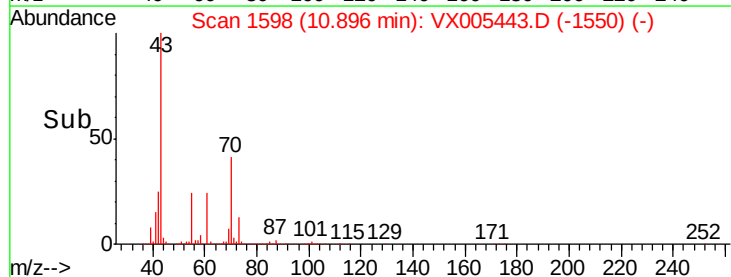
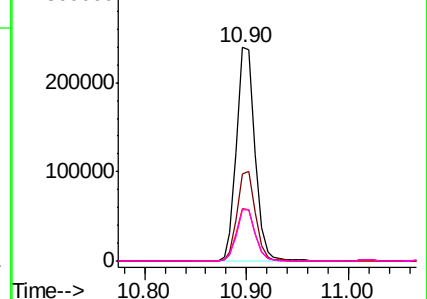


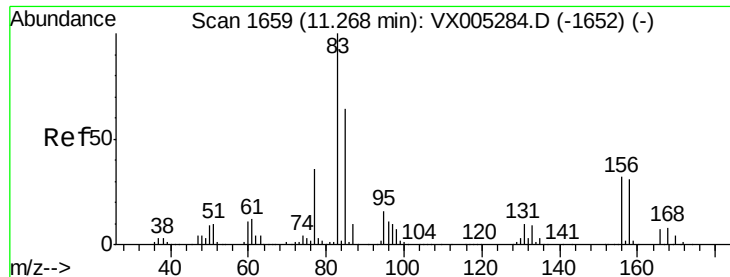
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 47.787 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX005443.D

Acq: 18 Oct 2018 21:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

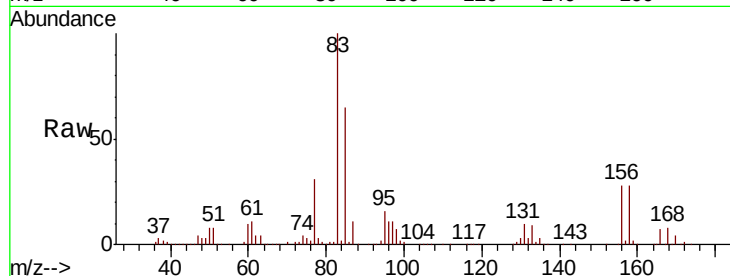
Tot Ion: 83 Resp: 218189

Ion Ratio Lower Upper

83 100

131 10.6 5.2 15.6

85 64.5 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

200000

150000

100000

50000

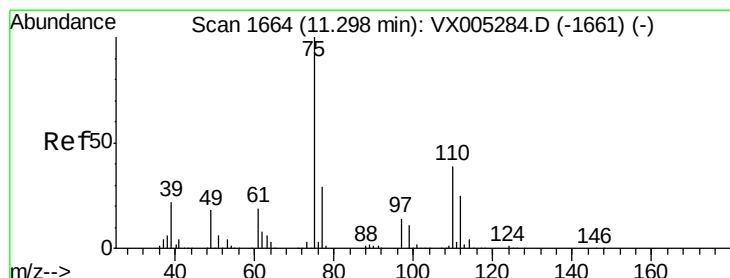
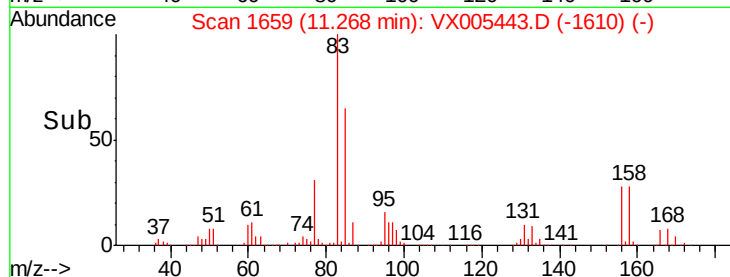
0

11.20

11.30

11.40

Time-->



#76

1,2,3-Trichloropropane

Concen: 64.343 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VX005443.D

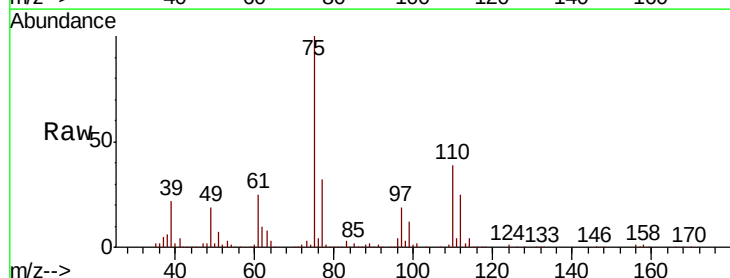
Acq: 18 Oct 2018 21:04

Tgt Ion: 75 Resp: 254115

Ion Ratio Lower Upper

75 100

77 32.4 20.2 60.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

200000

150000

100000

50000

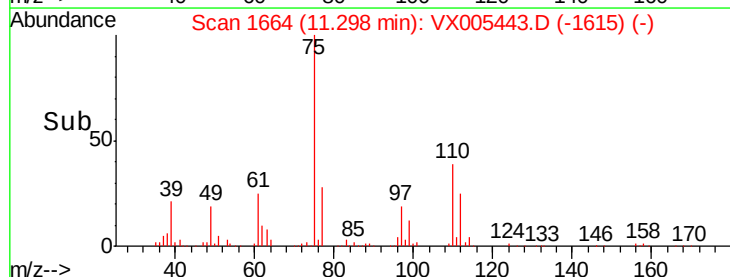
0

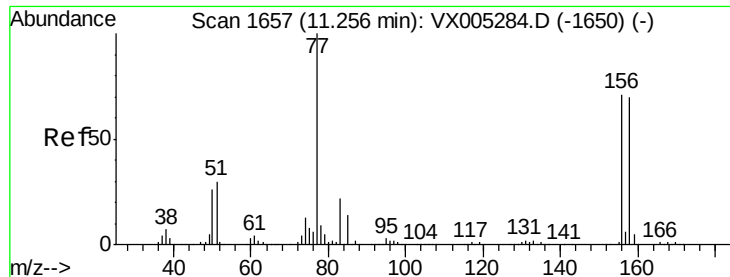
11.25

11.30

11.35

Time-->





#77

Bromobenzene

Concen: 49.131 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005443.D

Acq: 18 Oct 2018 21:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

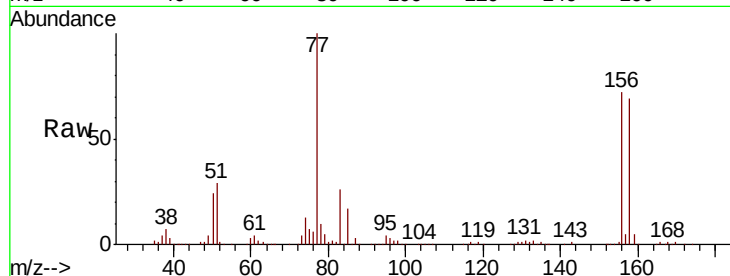
Tot Ion:156 Resp: 170032

Ion Ratio Lower Upper

156 100

77 141.9 71.5 214.3

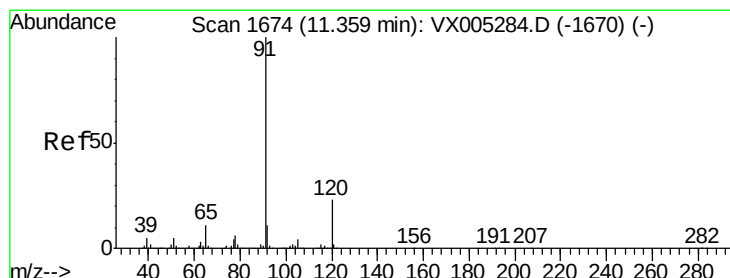
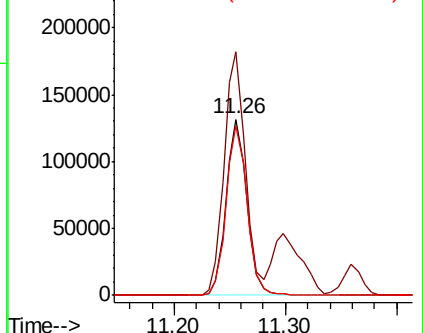
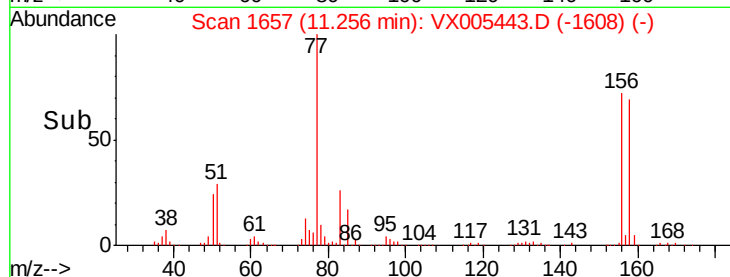
158 97.4 48.9 146.8



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: 50.926 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005443.D

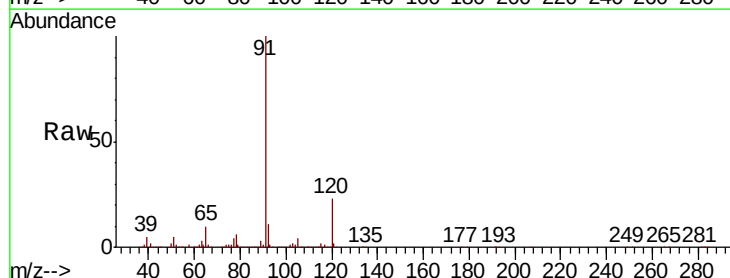
Acq: 18 Oct 2018 21:04

Tgt Ion: 91 Resp: 709310

Ion Ratio Lower Upper

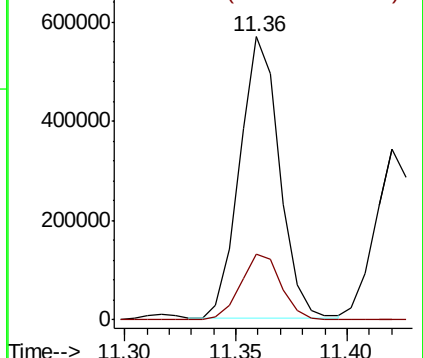
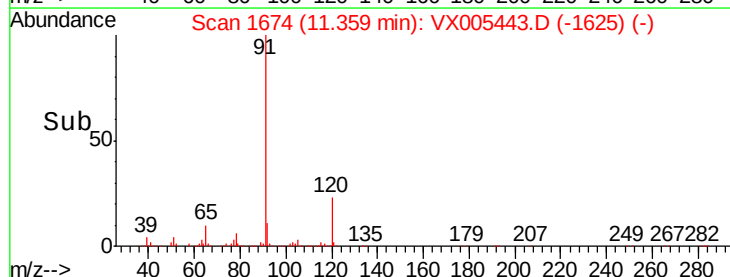
91 100

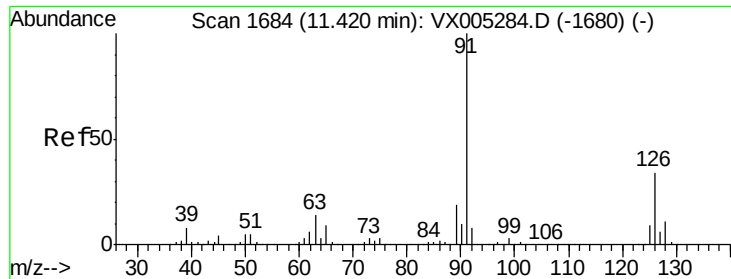
120 24.0 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

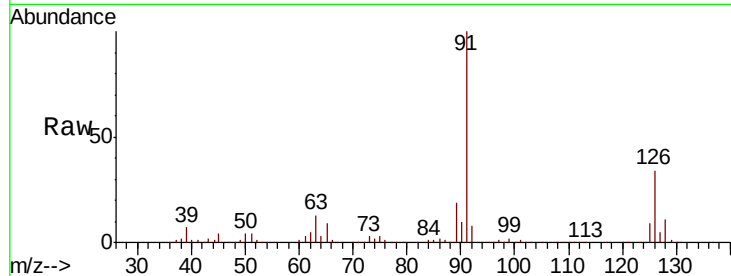




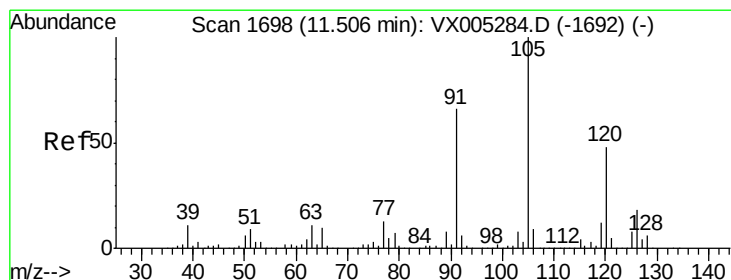
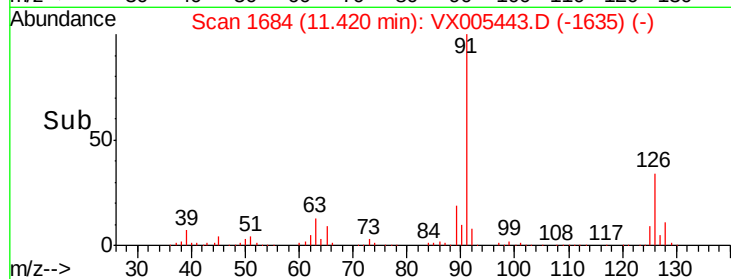
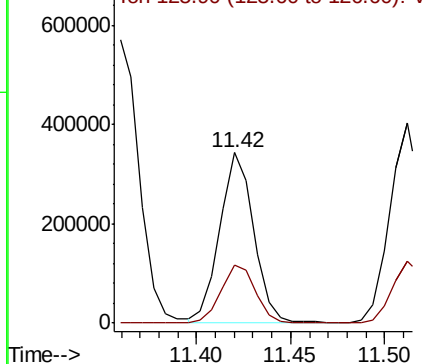
#79
 2-Chlorotoluene
 Concen: 49.837 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX005443.D
 Acq: 18 Oct 2018 21:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 425112
 Ion Ratio Lower Upper
 91 100
 126 35.3 17.9 53.7

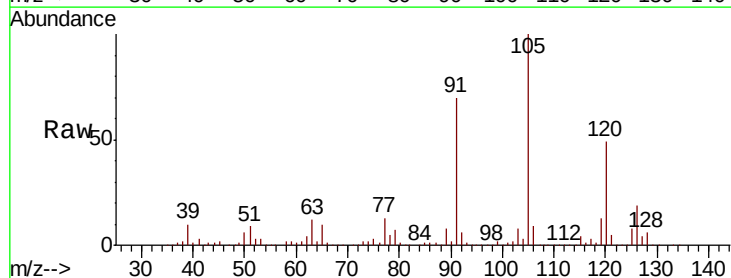


Abundance Ion 91.00 (90.70 to 91.70): VX0
 Ion 125.90 (125.60 to 126.60): V

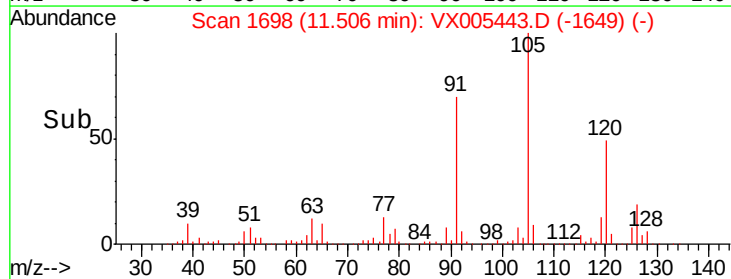
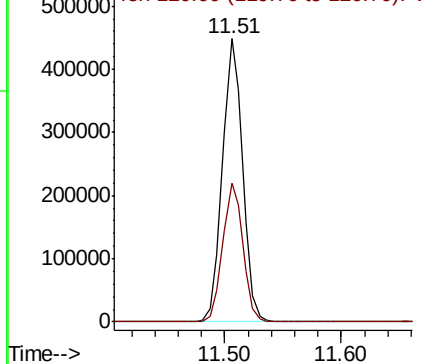


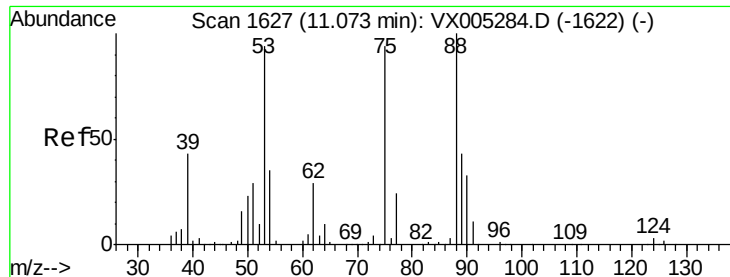
#80
 1,3,5-Trimethylbenzene
 Concen: 51.444 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX005443.D
 Acq: 18 Oct 2018 21:04

Tgt Ion: 105 Resp: 533211
 Ion Ratio Lower Upper
 105 100
 120 49.1 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: 47.650 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX005443.D

Acq: 18 Oct 2018 21:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

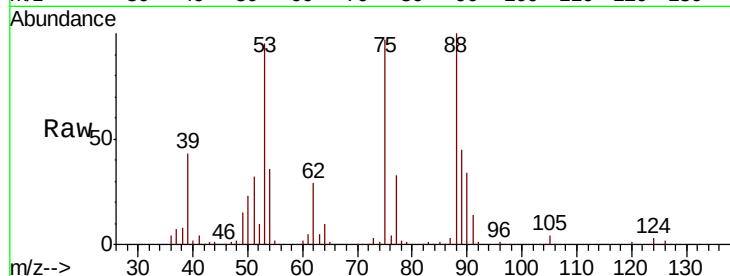
Tot Ion: 75 Resp: 61934

Ion Ratio Lower Upper

75 100

53 97.1 80.1 120.1

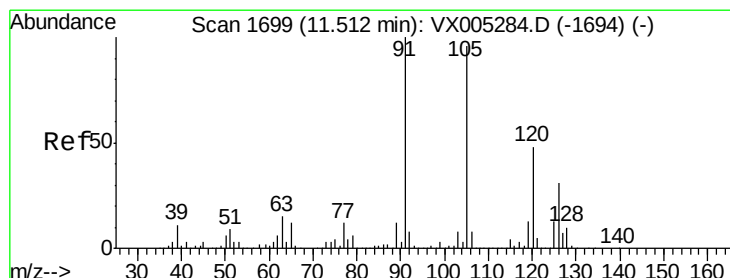
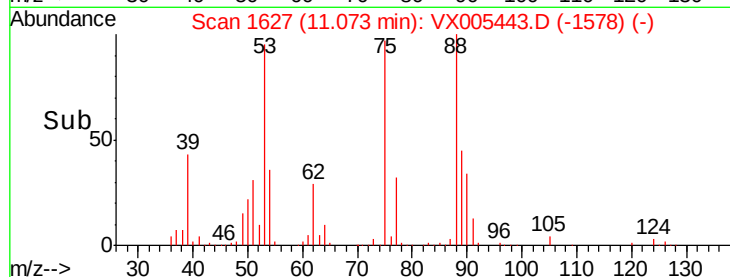
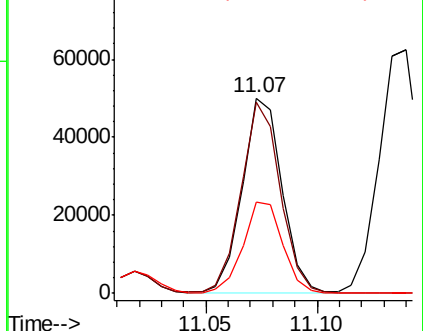
89 47.1 37.2 55.8



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: 49.551 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX005443.D

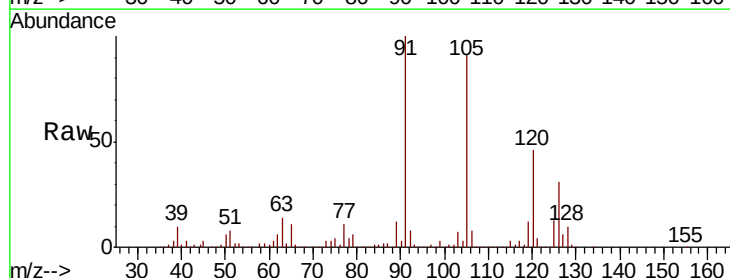
Acq: 18 Oct 2018 21:04

Tgt Ion: 91 Resp: 501053

Ion Ratio Lower Upper

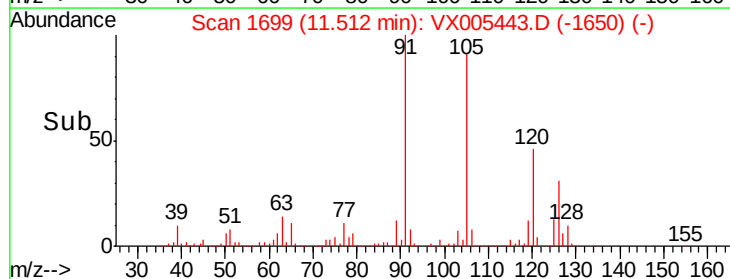
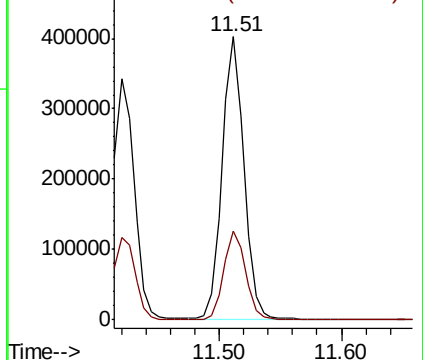
91 100

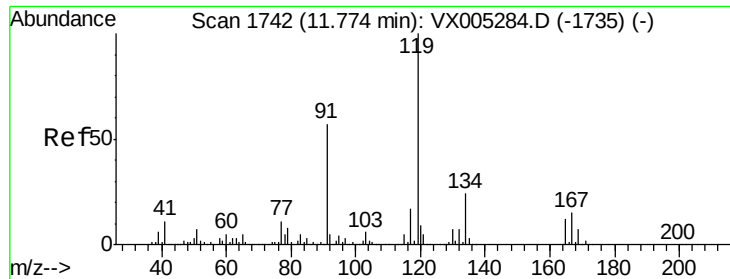
126 31.3 15.5 46.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

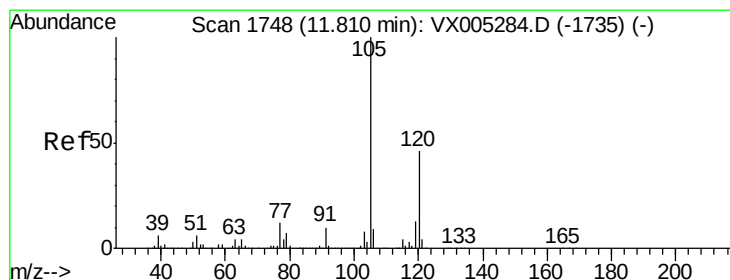
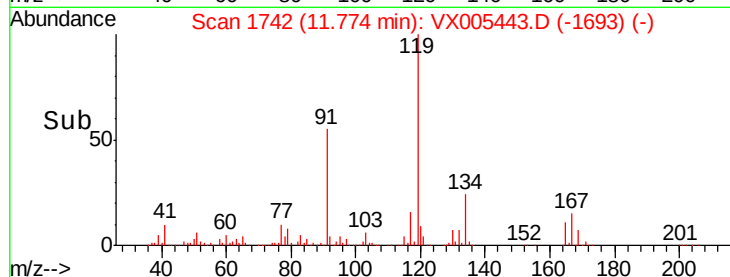
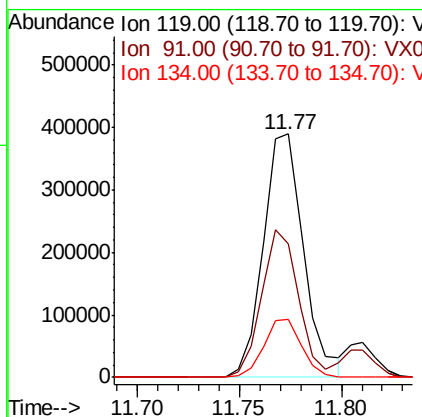
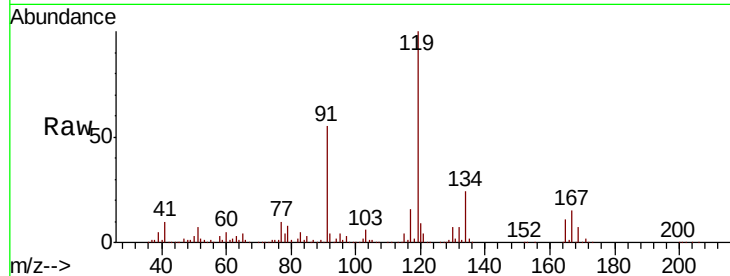




#83
 tert-Butylbenzene
 Concen: 51.181 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VX005443.D
 Acq: 18 Oct 2018 21:04

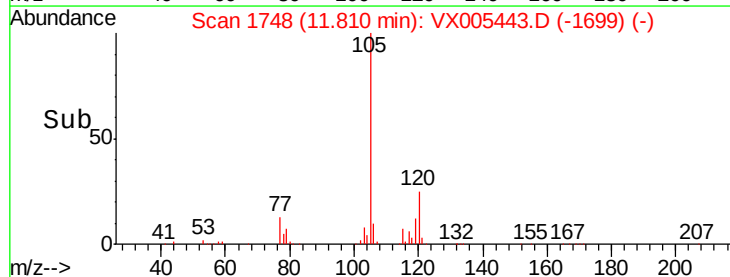
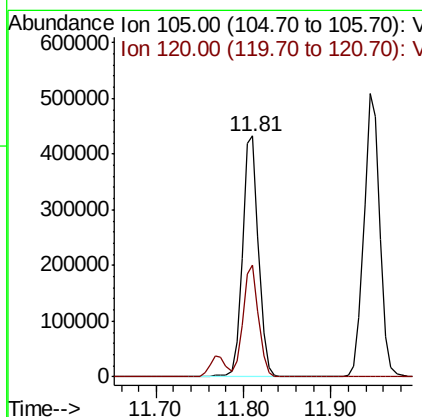
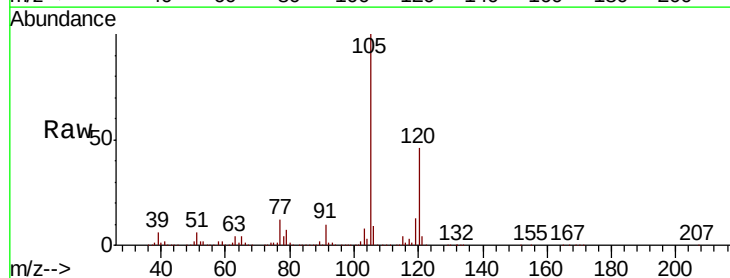
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

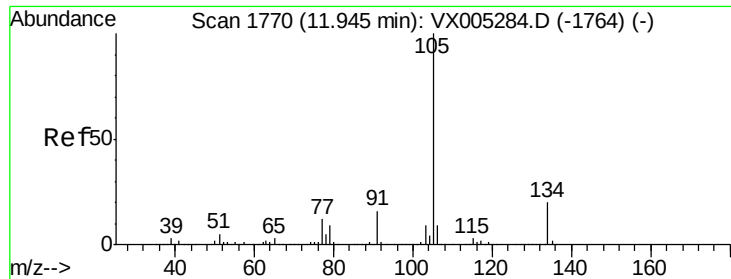
Tot Ion:119 Resp: 537203
 Ion Ratio Lower Upper
 119 100
 91 55.7 27.0 81.0
 134 22.8 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 51.686 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. -0.00 min
 Lab File: VX005443.D
 Acq: 18 Oct 2018 21:04

Tgt Ion:105 Resp: 551313
 Ion Ratio Lower Upper
 105 100
 120 44.7 23.2 69.6





#85

sec-Butylbenzene

Concen: 51.741 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX005443.D

Acq: 18 Oct 2018 21:04

Instrument :

MSVOA_X

ClientSampleId :

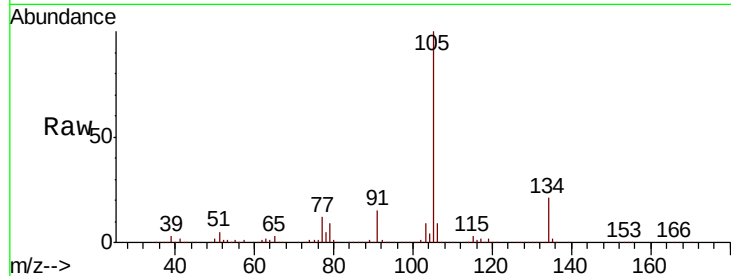
VSTDCCC050EC

Tot Ion:105 Resp: 642693

Ion Ratio Lower Upper

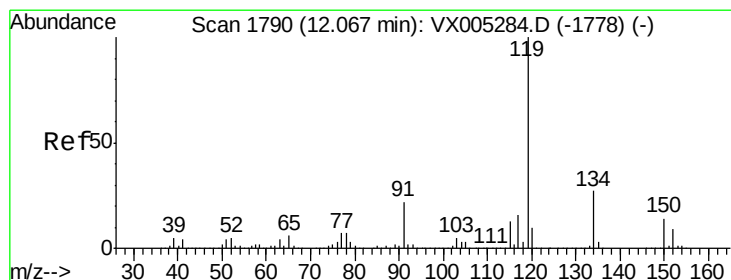
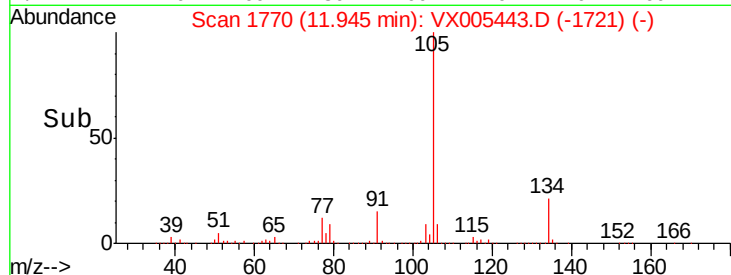
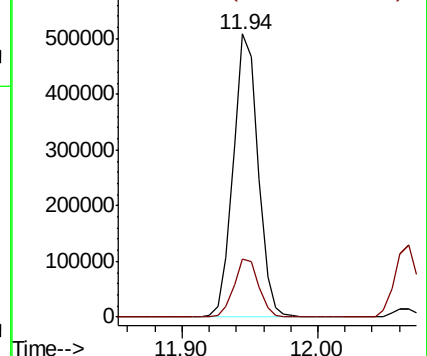
105 100

134 20.8 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: 51.805 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX005443.D

Acq: 18 Oct 2018 21:04

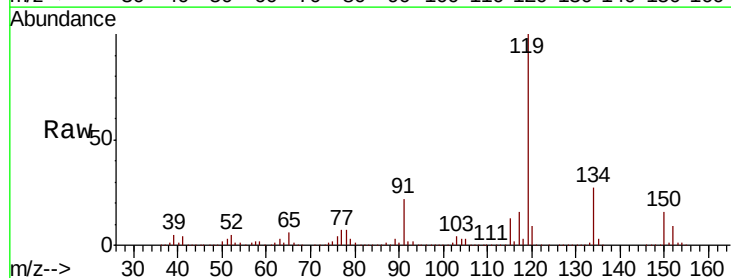
Tgt Ion:119 Resp: 581608

Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.2

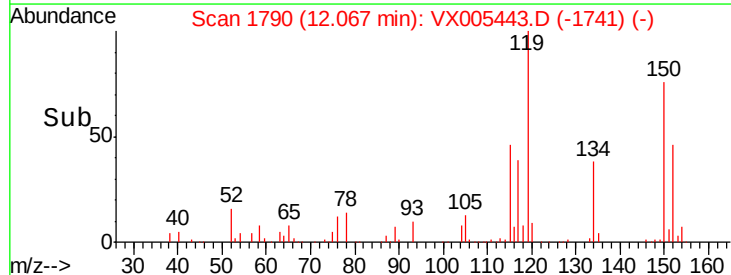
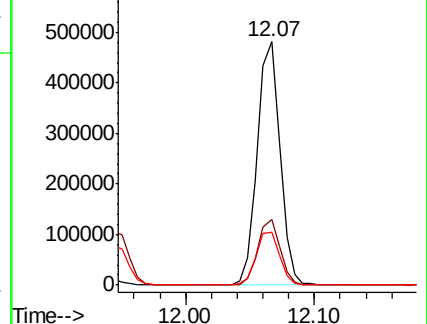
91 22.5 10.9 32.7

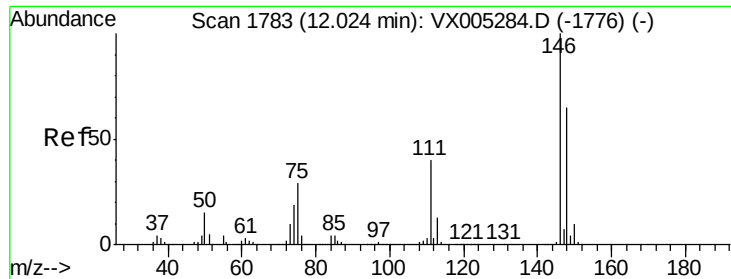


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

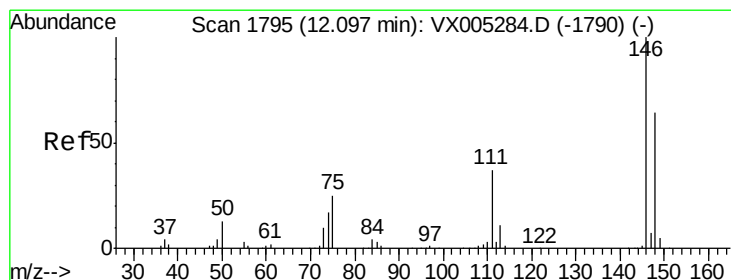
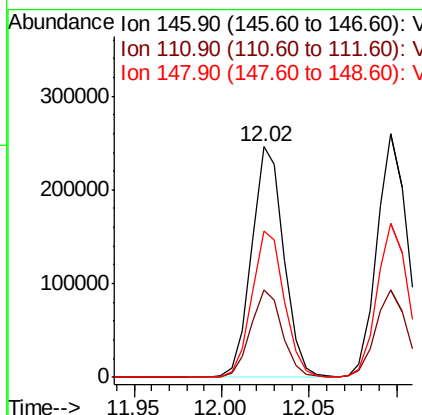
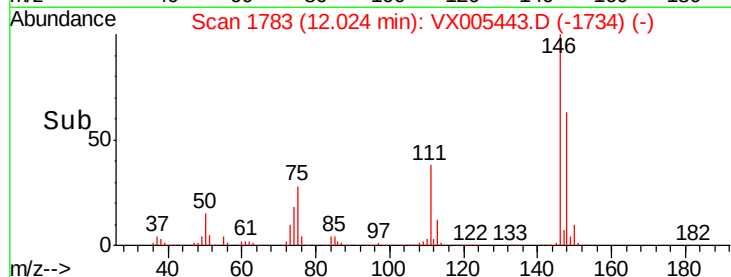
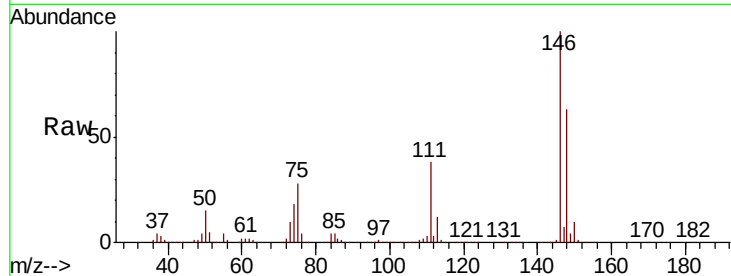




#87
 1,3-Dichlorobenzene
 Concen: 48.670 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX005443.D
 Acq: 18 Oct 2018 21:04

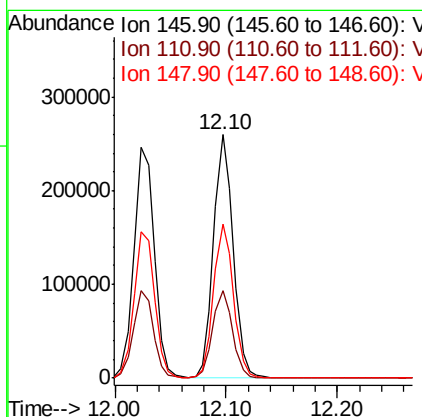
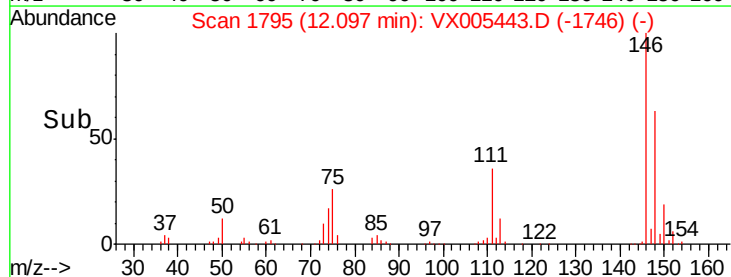
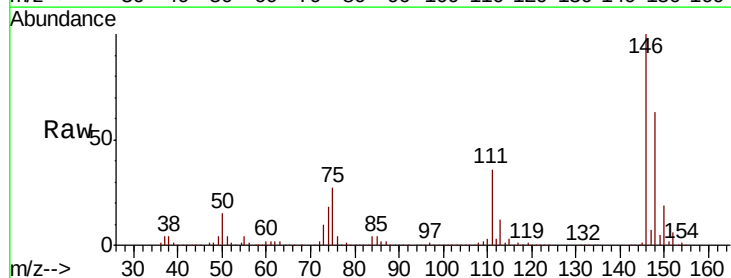
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

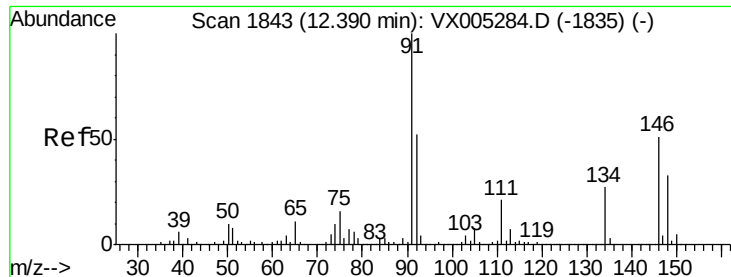
Tot Ion:146 Resp: 314742
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.7 56.1
 148 63.9 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 48.011 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX005443.D
 Acq: 18 Oct 2018 21:04

Tgt Ion:146 Resp: 317624
 Ion Ratio Lower Upper
 146 100
 111 36.6 18.1 54.1
 148 64.2 32.0 96.0





#89

n-Butylbenzene

Concen: 49.694 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX005443.D

Acq: 18 Oct 2018 21:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

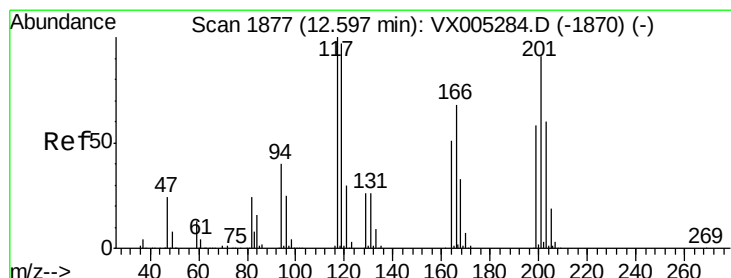
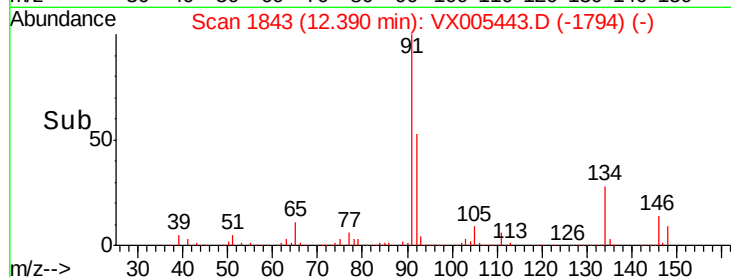
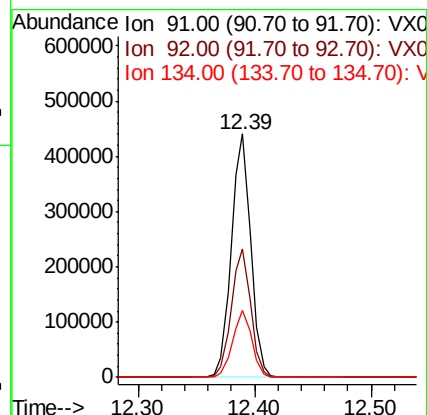
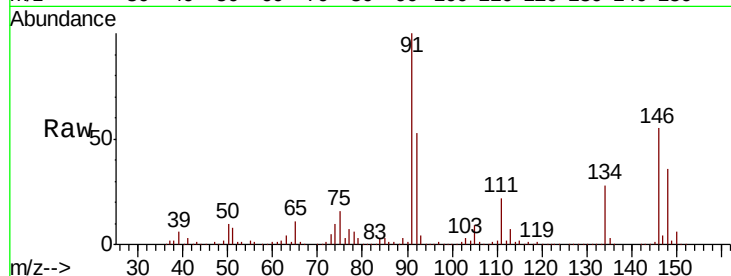
Tot Ion: 91 Resp: 506562

Ion Ratio Lower Upper

91 100

92 52.7 27.3 81.9

134 27.2 13.6 40.7



#90

Hexachloroethane

Concen: 48.159 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX005443.D

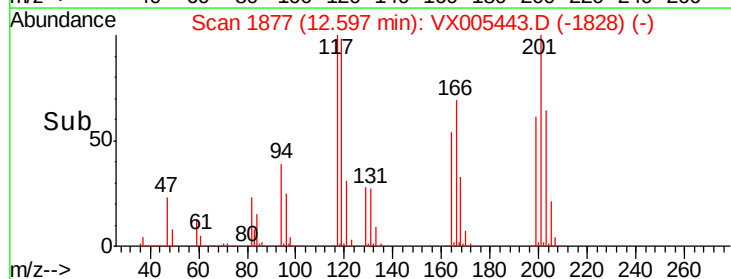
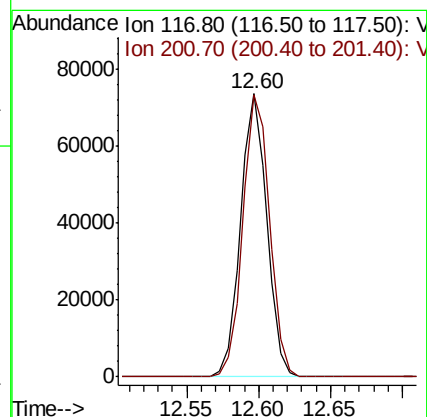
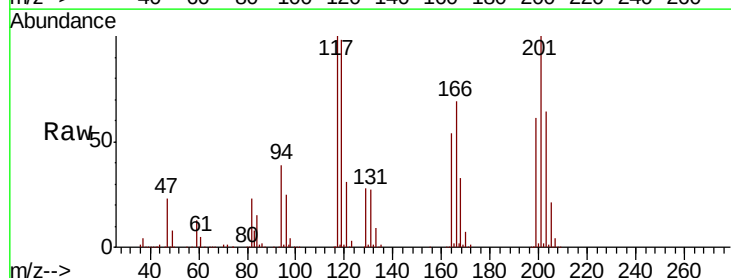
Acq: 18 Oct 2018 21:04

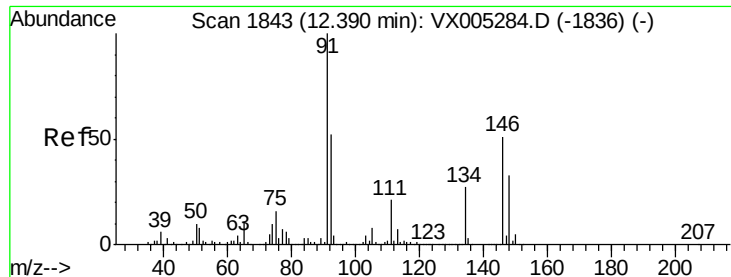
Tgt Ion: 117 Resp: 93181

Ion Ratio Lower Upper

117 100

201 101.1 46.9 140.6

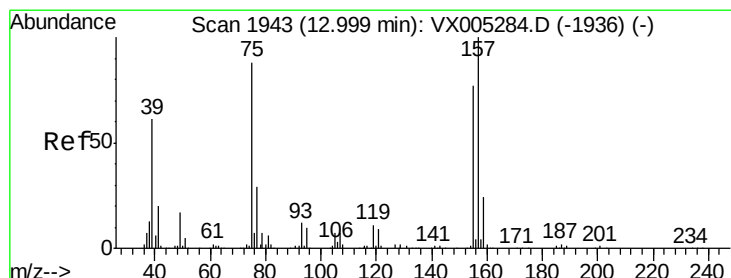
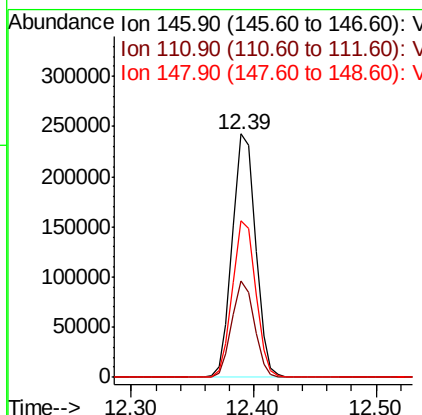
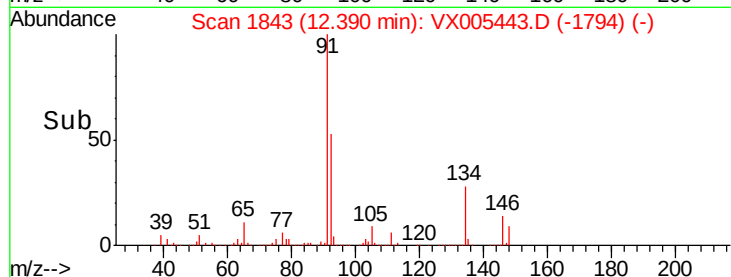
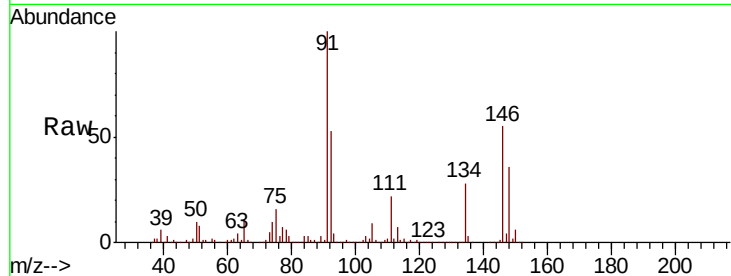




#91
 1,2-Dichlorobenzene
 Concen: 48.255 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX005443.D
 Acq: 18 Oct 2018 21:04

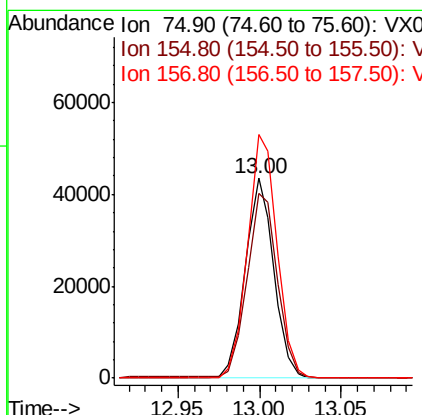
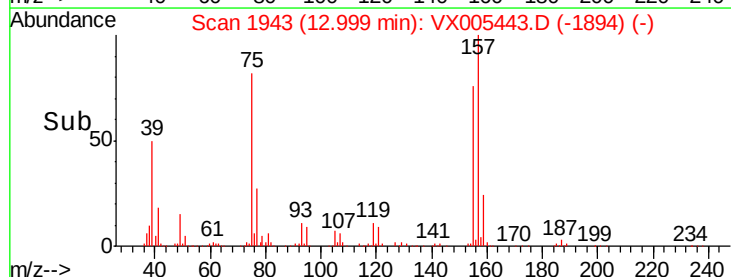
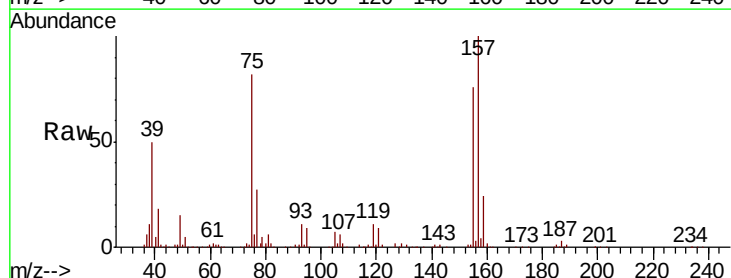
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

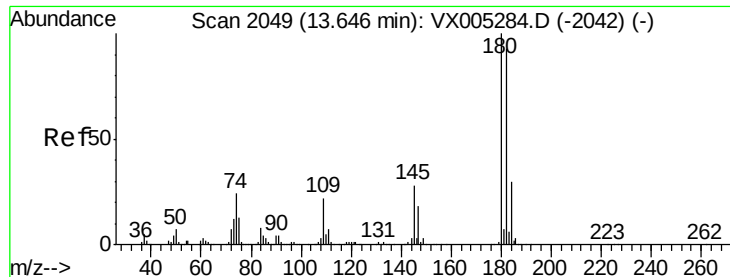
Tot Ion:146 Resp: 318450
 Ion Ratio Lower Upper
 146 100
 111 38.6 19.4 58.1
 148 64.2 32.8 98.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.755 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX005443.D
 Acq: 18 Oct 2018 21:04

Tgt Ion: 75 Resp: 53187
 Ion Ratio Lower Upper
 75 100
 155 98.1 48.0 144.2
 157 125.9 61.4 184.1

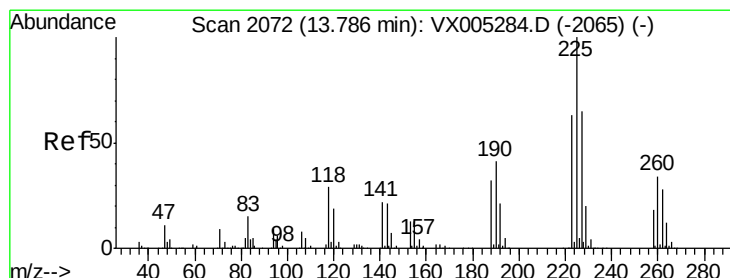
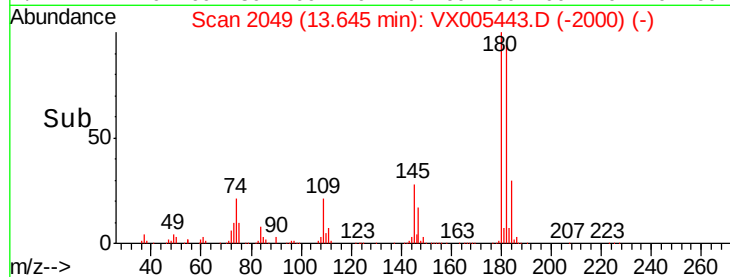
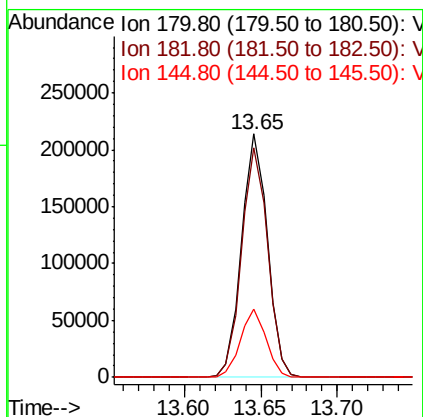
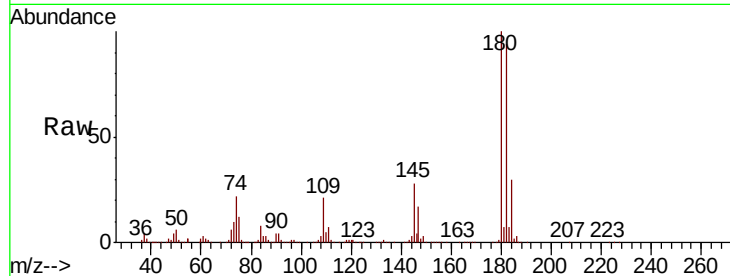




#93
 1,2,4-Trichlorobenzene
 Concen: 51.887 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005443.D
 Acq: 18 Oct 2018 21:04

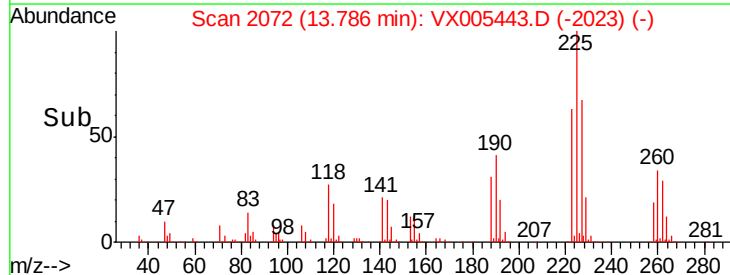
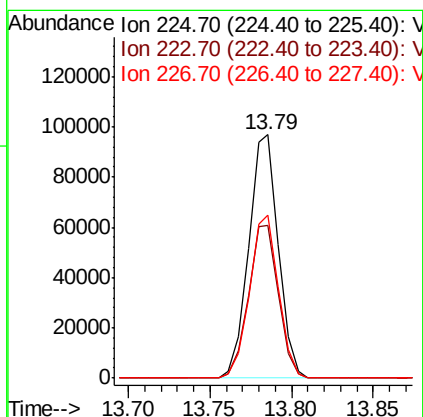
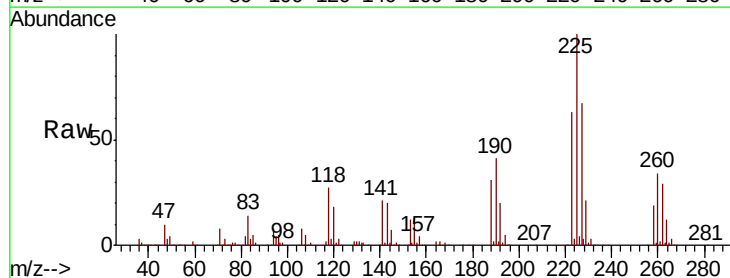
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

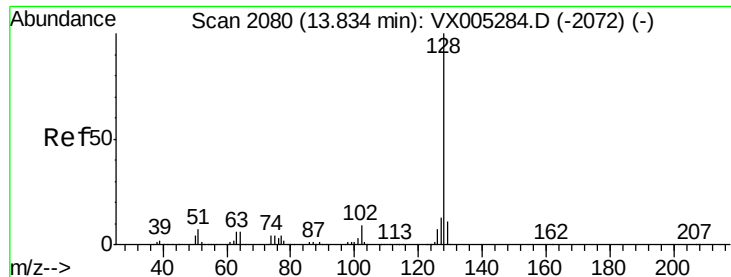
Tot Ion:180 Resp: 251223
 Ion Ratio Lower Upper
 180 100
 182 94.8 48.4 145.0
 145 27.6 14.3 42.9



#94
 Hexachlorobutadiene
 Concen: 47.883 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX005443.D
 Acq: 18 Oct 2018 21:04

Tgt Ion:225 Resp: 122443
 Ion Ratio Lower Upper
 225 100
 223 63.5 30.1 90.5
 227 65.7 30.8 92.4





#95

Naphthalene

Concen: 55.249 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX005443.D

Acq: 18 Oct 2018 21:04

Instrument :

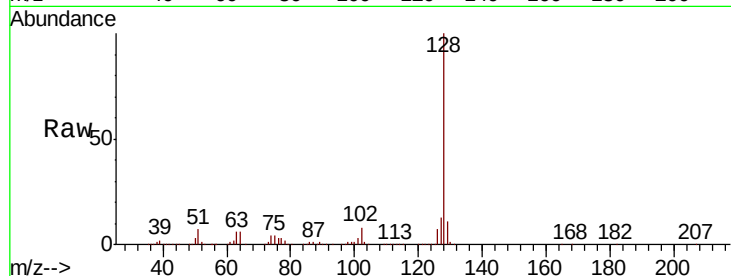
MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:128 Resp: 775780

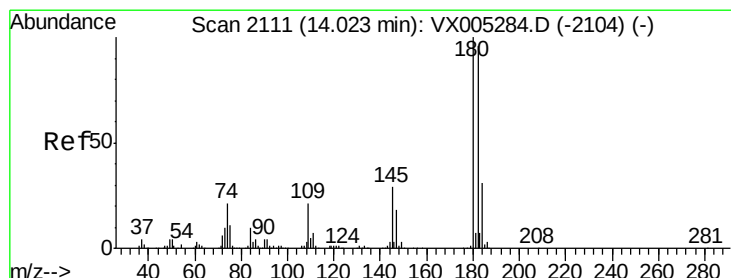
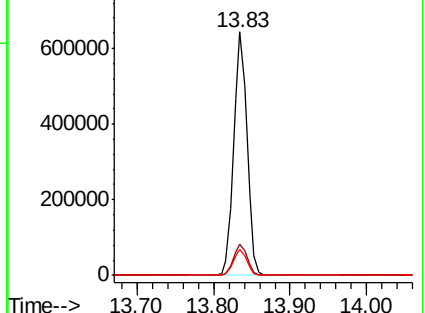
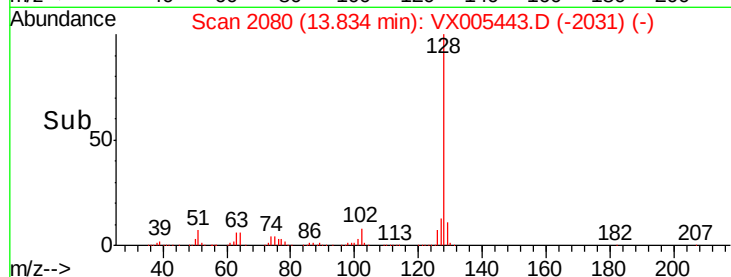
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.2
129	10.8	8.6	12.8



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: 51.195 ug/l

RT: 14.02 min Scan# 2110

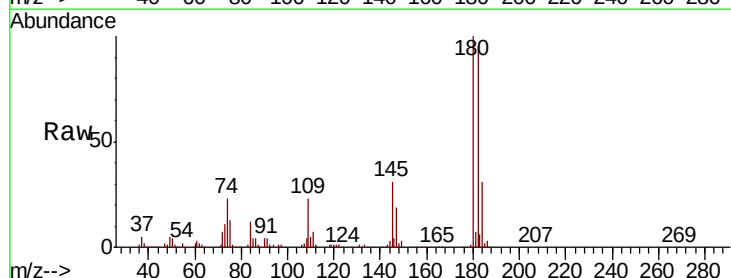
Delta R.T. -0.01 min

Lab File: VX005443.D

Acq: 18 Oct 2018 21:04

Tgt Ion:180 Resp: 253620

Ion	Ratio	Lower	Upper
180	100		
182	96.4	48.5	145.6
145	29.3	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

