

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091118\
 Data File : VX004465.D
 Acq On : 11 Sep 2018 13:00
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Quant Time: Sep 12 01:43:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 01:43:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	264311	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	330953	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	318241	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	185901	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	20336	5.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.94%	
35) Dibromofluoromethane	5.49	113	17183	5.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.34%	
50) Toluene-d8	8.72	98	55368	5.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.90%	
62) 4-Bromofluorobenzene	11.14	95	18178	5.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.02%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.19	85	10930	4.412	ug/l 98
3) Chloromethane	1.32	50	16371	4.802	ug/l 90
4) Vinyl Chloride	1.40	62	17125	4.894	ug/l 99
5) Bromomethane	1.64	94	7816	4.681	ug/l 83
6) Chloroethane	1.71	64	11752	5.194	ug/l 100
7) Trichlorofluoromethane	1.92	101	23599	5.088	ug/l 98
8) Diethyl Ether	2.18	74	10612	5.103	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	2.38	101	15083	5.126	ug/l 97
10) Methyl Iodide	2.51	142	11637	3.596	ug/l 98
11) Tert butyl alcohol	3.07	59	21524	26.468	ug/l 99
12) 1,1-Dichloroethene	2.37	96	13994	5.067	ug/l 89
13) Acrolein	2.29	56	8908	27.750	ug/l 90
14) Allyl chloride	2.72	41	28947	5.098	ug/l 94
15) Acrylonitrile	3.15	53	49271	25.160	ug/l 98
16) Acetone	2.45	43	47968	28.838	ug/l 94
17) Carbon Disulfide	2.56	76	36888	4.621	ug/l 99
18) Methyl Acetate	2.78	43	24836	5.322	ug/l 96
19) Methyl tert-butyl Ether	3.20	73	51872	5.353	ug/l 97
20) Methylene Chloride	2.85	84	17181	5.035	ug/l 90
21) trans-1,2-Dichloroethene	3.16	96	15713	5.149	ug/l 98
22) Diisopropyl ether	3.87	45	51216	5.008	ug/l 96
23) Vinyl Acetate	3.82	43	197208	23.831	ug/l 97
24) 1,1-Dichloroethane	3.70	63	29540	5.117	ug/l 97
25) 2-Butanone	4.70	43	75116	28.375	ug/l 100
26) 2,2-Dichloropropane	4.58	77	19989	5.041	ug/l 97
27) cis-1,2-Dichloroethene	4.59	96	17023	4.997	ug/l 95
28) Bromochloromethane	5.02	49	13543	5.128	ug/l 95
29) Tetrahydrofuran	5.16	42	37180	23.289	ug/l 97
30) Chloroform	5.21	83	29601	5.252	ug/l 95
31) Cyclohexane	5.57	56	23065	4.679	ug/l 87
32) 1,1,1-Trichloroethane	5.49	97	22624	4.984	ug/l 98
36) 1,1-Dichloropropene	5.79	75	20679	5.147	ug/l 99
37) Ethyl Acetate	4.86	43	22990	5.031	ug/l 99
38) Carbon Tetrachloride	5.78	117	20037	5.106	ug/l 97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091118\
 Data File : VX004465.D
 Acq On : 11 Sep 2018 13:00
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Quant Time: Sep 12 01:43:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 01:43:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	18872	4.501	ug/l	93
40) Benzene	6.14	78	65570	5.500	ug/l	96
41) Methacrylonitrile	5.07	41	12387	4.920	ug/l	97
42) 1,2-Dichloroethane	6.20	62	22123	5.595	ug/l	98
43) Isopropyl Acetate	6.46	43	30853	5.083	ug/l	97
44) Trichloroethene	7.21	130	15876	5.126	ug/l	90
45) 1,2-Dichloropropane	7.52	63	14941	5.208	ug/l	98
46) Dibromomethane	7.66	93	9394	5.184	ug/l	97
47) Bromodichloromethane	7.90	83	16825	4.909	ug/l	96
48) Methyl methacrylate	7.78	41	13901	4.628	ug/l	97
49) 1,4-Dioxane	7.76	88	6688	94.072	ug/l	92
51) 4-Methyl-2-Pentanone	8.65	43	121468	28.358	ug/l	97
52) Toluene	8.79	92	36664	5.220	ug/l	89
53) t-1,3-Dichloropropene	9.04	75	19240	4.806	ug/l	90
54) cis-1,3-Dichloropropene	8.44	75	19442	4.764	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	16653	5.506	ug/l	94
56) Ethyl methacrylate	9.18	69	20692	4.836	ug/l	99
57) 1,3-Dichloropropane	9.37	76	26957	5.486	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	45527	23.195	ug/l	94
59) 2-Hexanone	9.50	43	95550	29.083	ug/l	98
60) Dibromochloromethane	9.59	129	14063	4.939	ug/l	96
61) 1,2-Dibromoethane	9.68	107	14198	4.914	ug/l	99
64) Tetrachloroethene	9.34	164	21479	5.406	ug/l	92
65) Chlorobenzene	10.14	112	39591	5.008	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.22	131	13276	4.870	ug/l	99
67) Ethyl Benzene	10.26	91	60922	4.740	ug/l	98
68) m/p-Xylenes	10.36	106	45857	9.262	ug/l	97
69) o-Xylene	10.70	106	22047	4.632	ug/l	98
70) Styrene	10.71	104	35723	4.530	ug/l	98
71) Bromoform	10.86	173	9882	4.415	ug/l #	97
73) Isopropylbenzene	11.02	105	58728	4.797	ug/l	100
74) N-amyl acetate	10.90	43	23405	4.542	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.27	83	19636	4.972	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	23322	6.420	ug/l	86
77) Bromobenzene	11.26	156	16805	4.966	ug/l	97
78) n-propylbenzene	11.36	91	66853	4.749	ug/l	100
79) 2-Chlorotoluene	11.42	91	42028	4.923	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	49069	4.767	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	4726	4.028	ug/l	87
82) 4-Chlorotoluene	11.51	91	48774	4.895	ug/l	100
83) tert-Butylbenzene	11.77	119	46551	4.751	ug/l	94
84) 1,2,4-Trimethylbenzene	11.81	105	49694	4.729	ug/l	97
85) sec-Butylbenzene	11.94	105	59489	4.764	ug/l	99
86) p-Isopropyltoluene	12.07	119	51198	4.643	ug/l	97
87) 1,3-Dichlorobenzene	12.03	146	31875	5.048	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	32572	4.993	ug/l	93
89) n-Butylbenzene	12.39	91	45279	4.506	ug/l	96
90) Hexachloroethane	12.60	117	8013	4.539	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	31998	5.007	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.01	75	3951	4.686	ug/l	98

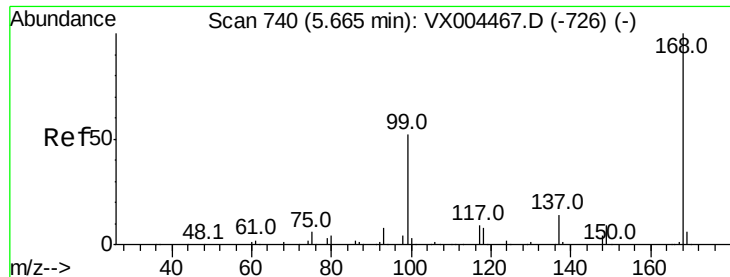
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091118\
Data File : VX004465.D
Acq On : 11 Sep 2018 13:00
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Quant Time: Sep 12 01:43:50 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 12 01:43:12 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	20899	4.619	ug/l	97
94) Hexachlorobutadiene	13.79	225	11527	4.877	ug/l	97
95) Naphthalene	13.83	128	53505	4.216	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	21506	4.626	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX004465.D

Acq: 11 Sep 2018 13:00

Instrument :

MSVOA_X

ClientSampleId :

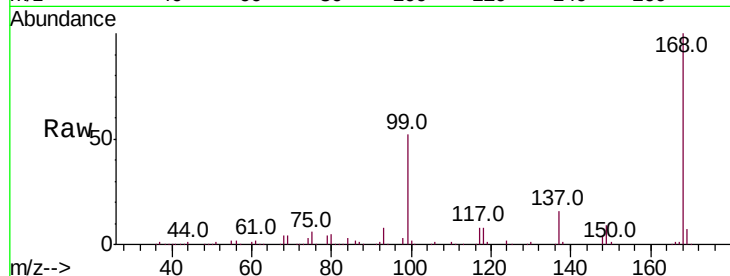
VSTDIC005

Tot Ion:168 Resp: 264311

Ion Ratio Lower Upper

168 100

99 51.9 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

60000

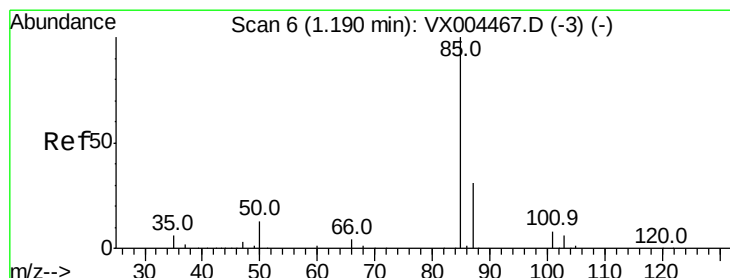
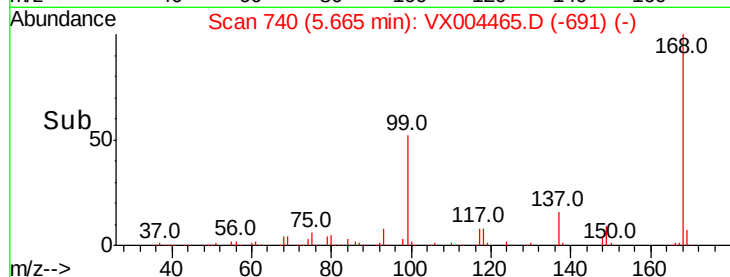
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 4.412 ug/l

RT: 1.19 min Scan# 6

Delta R.T. 0.00 min

Lab File: VX004465.D

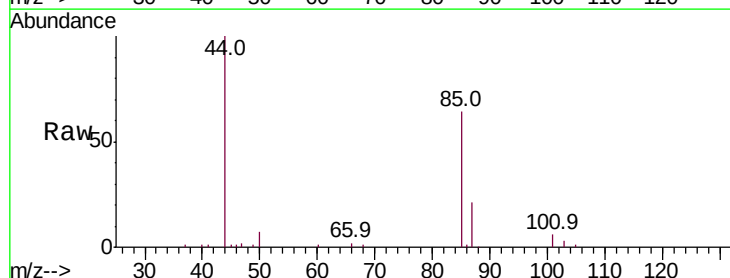
Acq: 11 Sep 2018 13:00

Tgt Ion: 85 Resp: 10930

Ion Ratio Lower Upper

85 100

87 32.9 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

10000

8000

6000

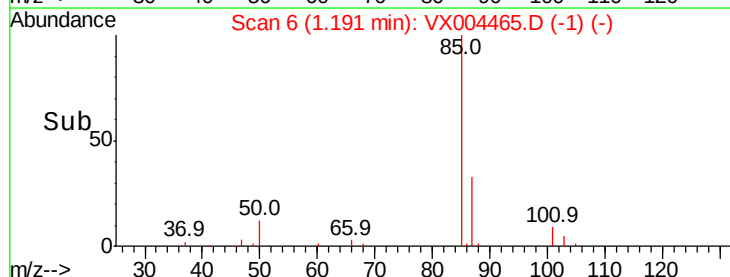
4000

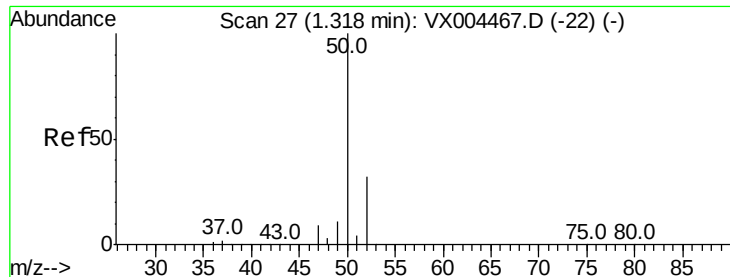
2000

0

Time-->

1.15 1.20 1.25





#3

Chloromethane

Concen: 4.802 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX004465.D

Acq: 11 Sep 2018 13:00

Instrument :

MSVOA_X

ClientSampleId :

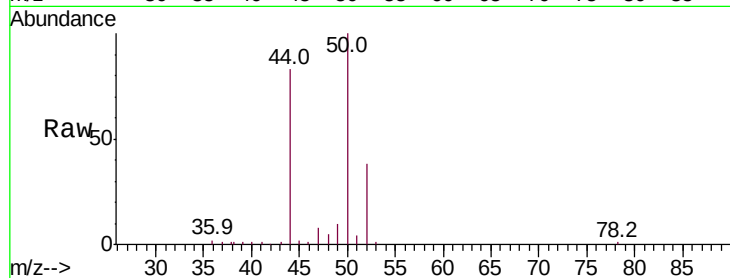
VSTDIC005

Tot Ion: 50 Resp: 16371

Ion Ratio Lower Upper

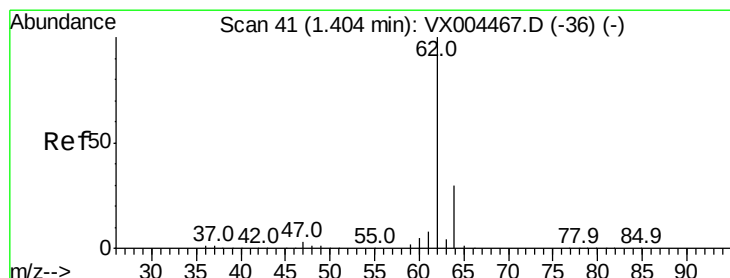
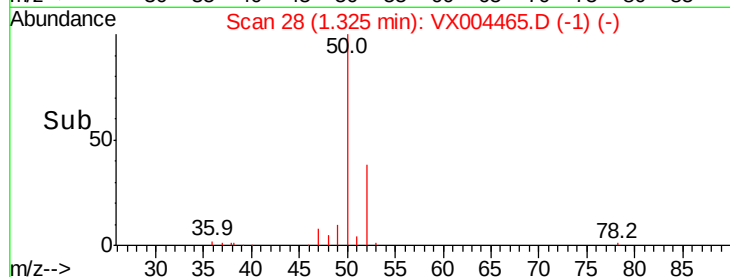
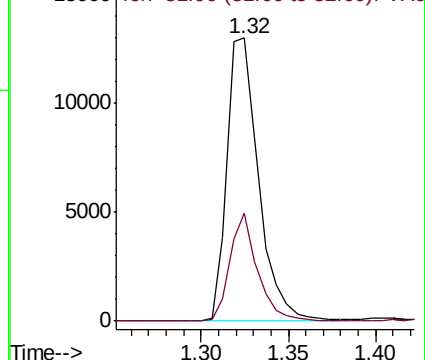
50 100

52 38.1 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 4.894 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX004465.D

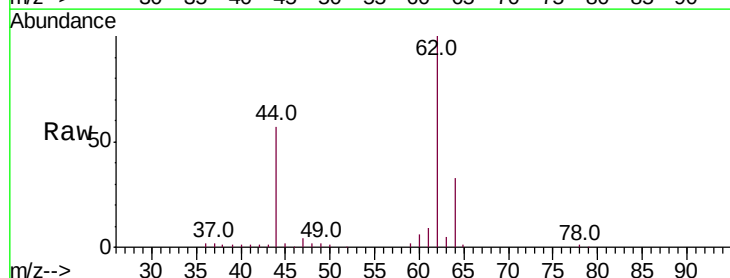
Acq: 11 Sep 2018 13:00

Tgt Ion: 62 Resp: 17125

Ion Ratio Lower Upper

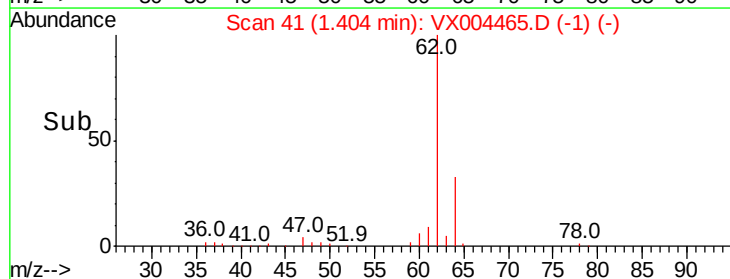
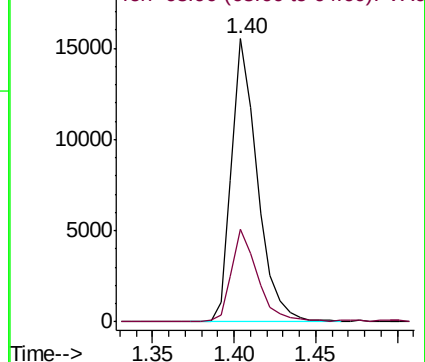
62 100

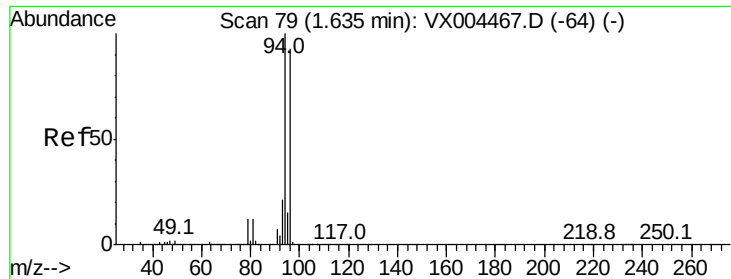
64 32.9 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 4.681 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004465.D

Acq: 11 Sep 2018 13:00

Instrument :

MSVOA_X

ClientSampleId :

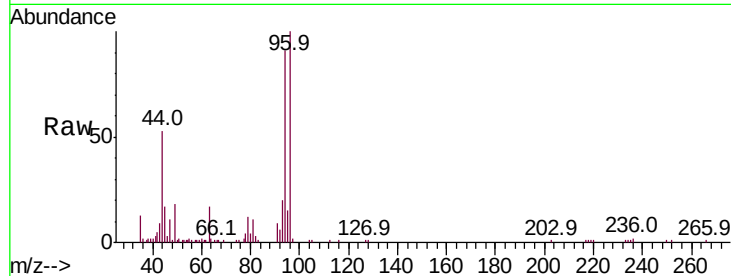
VSTDIC005

Tot Ion: 94 Resp: 7816

Ion Ratio Lower Upper

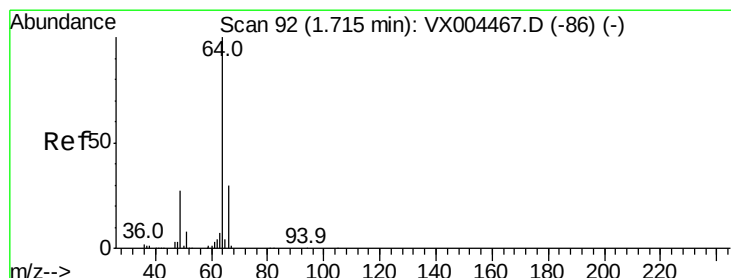
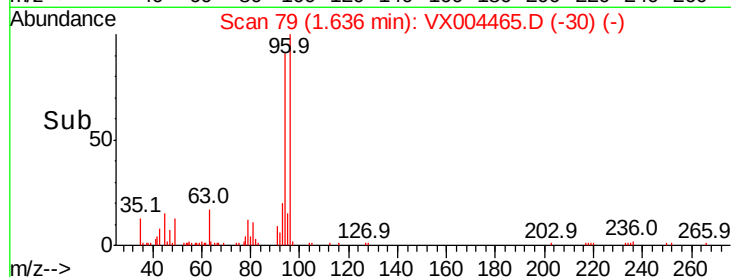
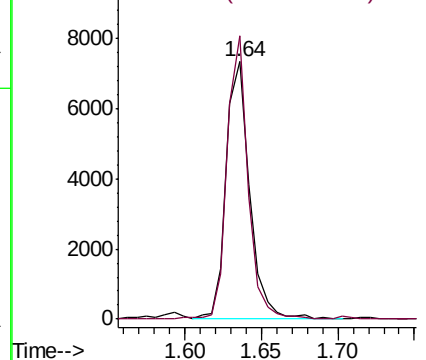
94 100

96 109.1 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 5.194 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX004465.D

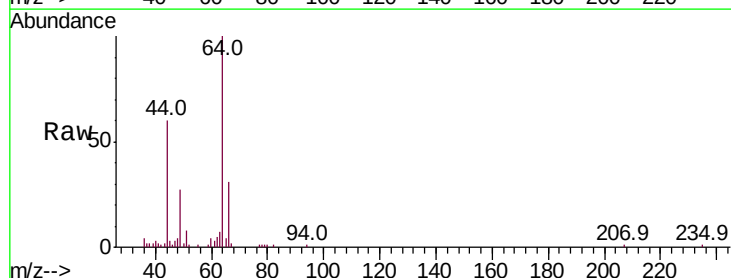
Acq: 11 Sep 2018 13:00

Tgt Ion: 64 Resp: 11752

Ion Ratio Lower Upper

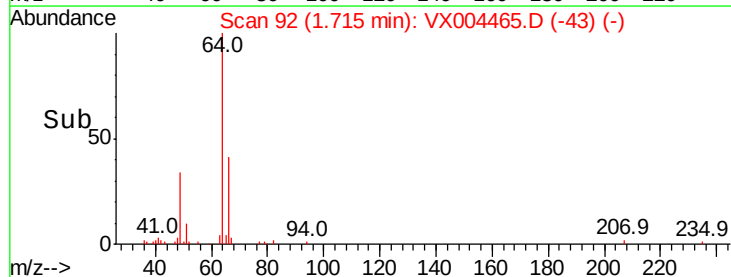
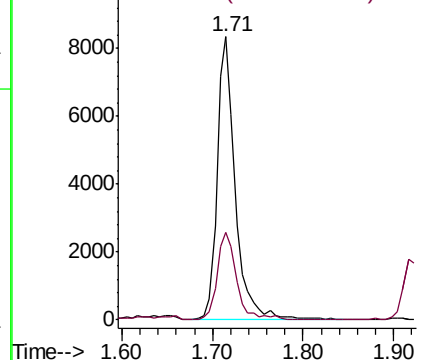
64 100

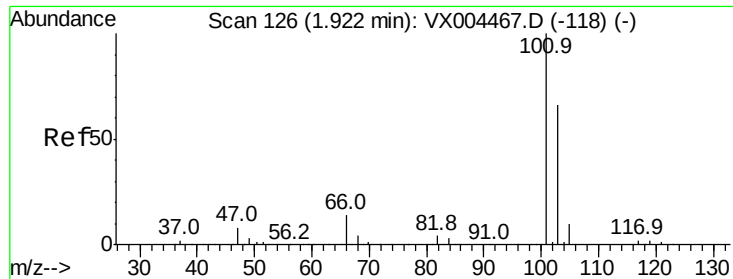
66 30.9 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



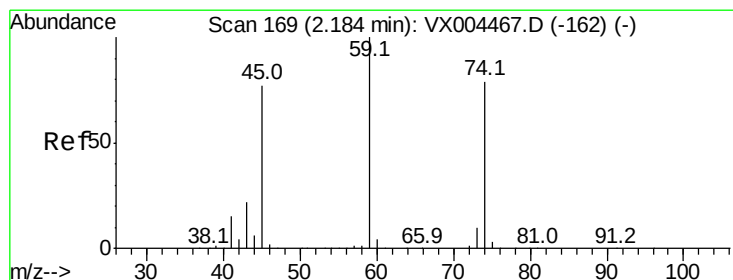
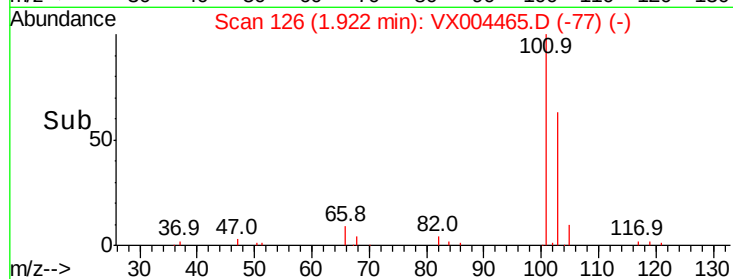
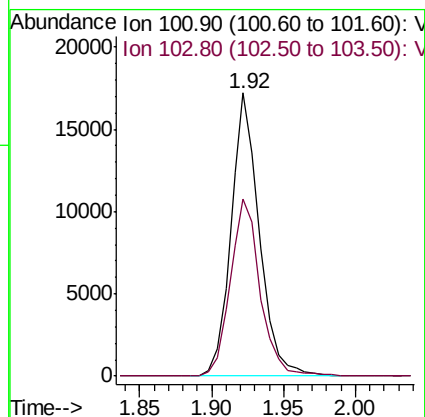
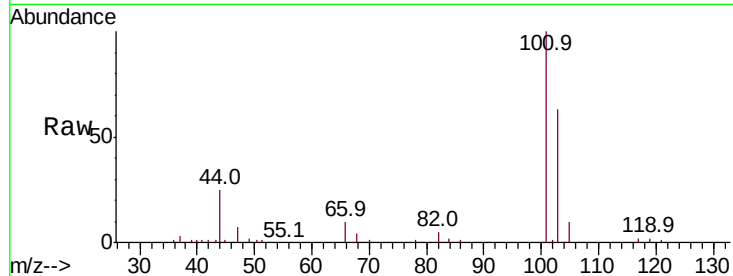


#7

Trichlorofluoromethane
 Concen: 5.088 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. 0.00 min
 Lab File: VX004465.D
 Acq: 11 Sep 2018 13:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

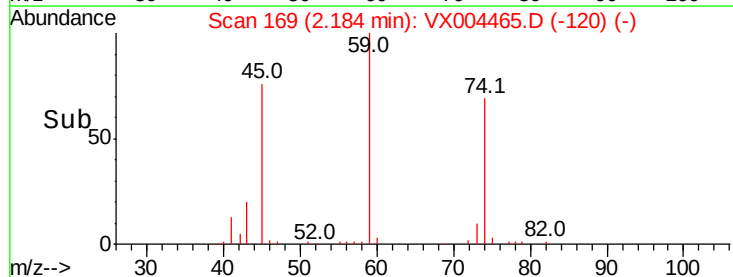
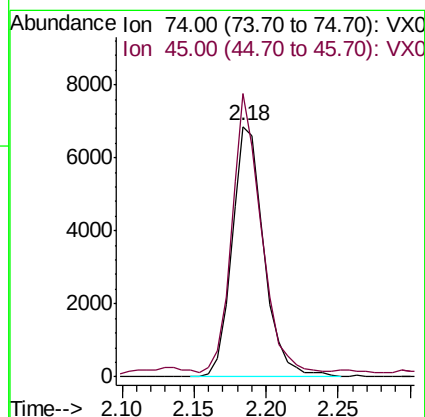
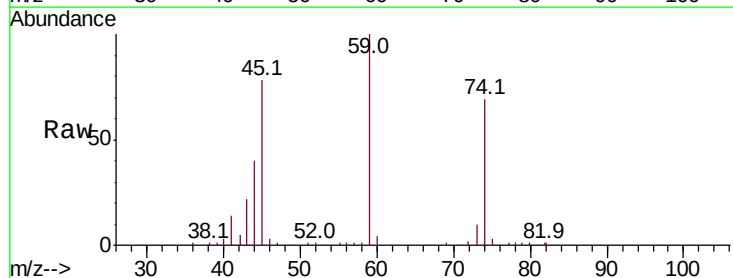
Tot Ion:101 Resp: 23599
 Ion Ratio Lower Upper
 101 100
 103 62.6 48.9 73.3

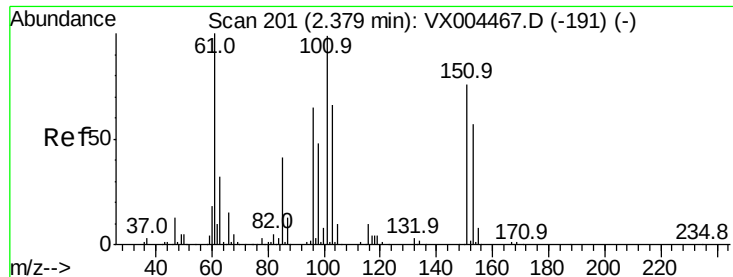


#8

Diethyl Ether
 Concen: 5.103 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. 0.00 min
 Lab File: VX004465.D
 Acq: 11 Sep 2018 13:00

Tgt Ion: 74 Resp: 10612
 Ion Ratio Lower Upper
 74 100
 45 101.9 48.3 144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.126 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX004465.D

Acq: 11 Sep 2018 13:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

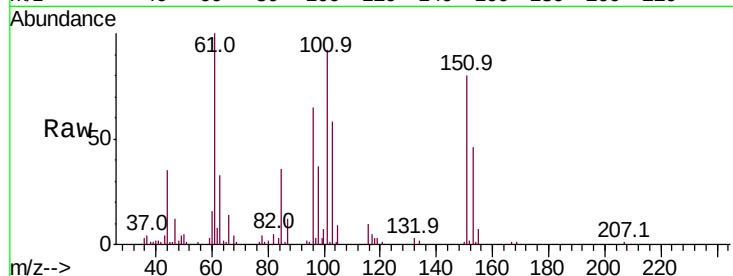
Tot Ion:101 Resp: 15083

Ion Ratio Lower Upper

101 100

85 41.0 34.2 51.4

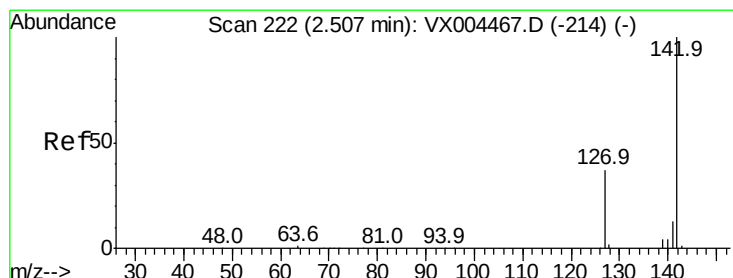
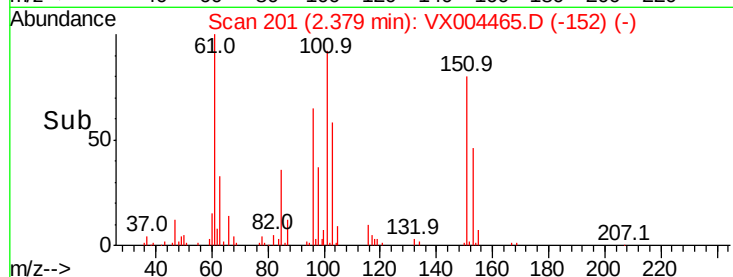
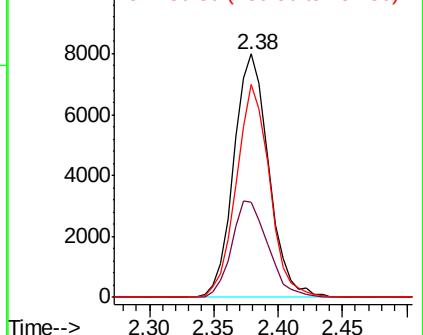
151 83.5 65.0 97.6



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: 3.596 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX004465.D

Acq: 11 Sep 2018 13:00

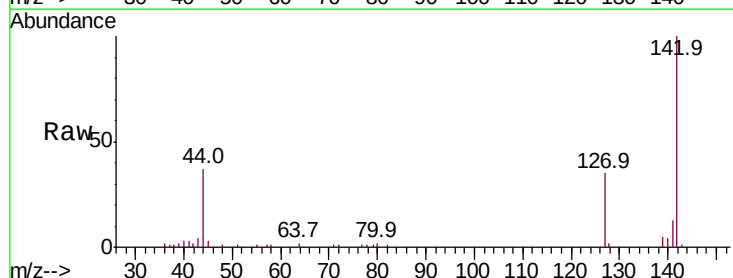
Tgt Ion:142 Resp: 11637

Ion Ratio Lower Upper

142 100

127 40.4 33.8 50.6

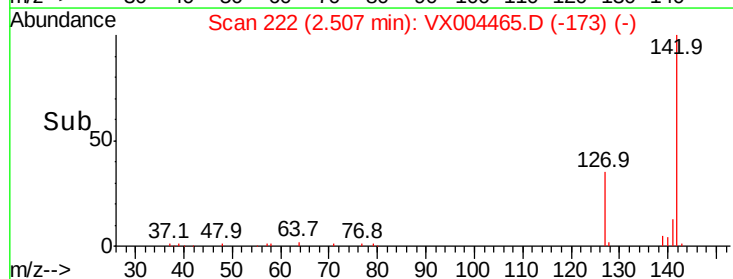
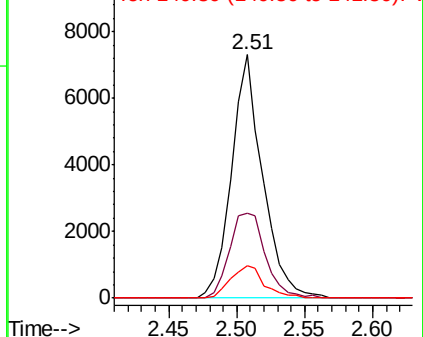
141 14.4 11.4 17.0

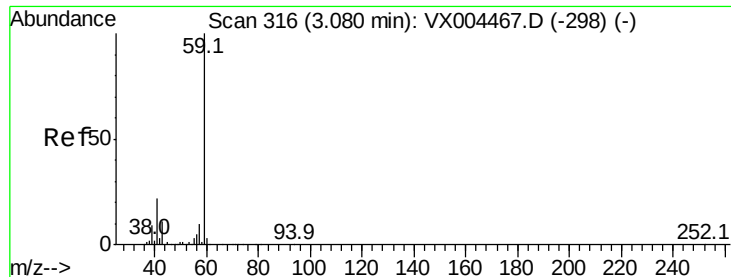


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



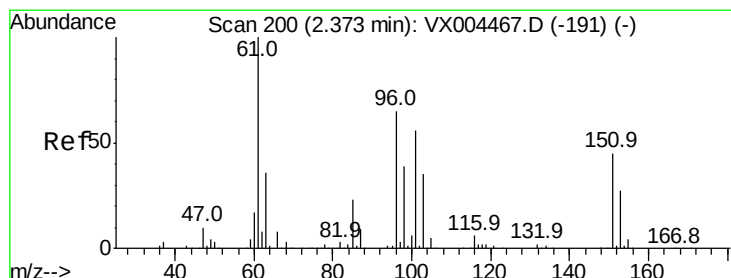
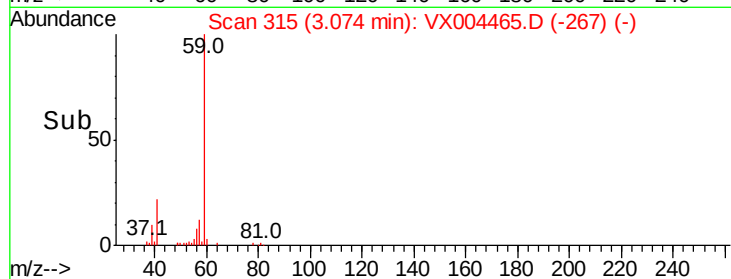
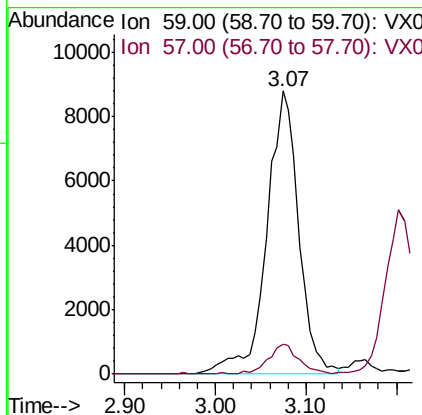
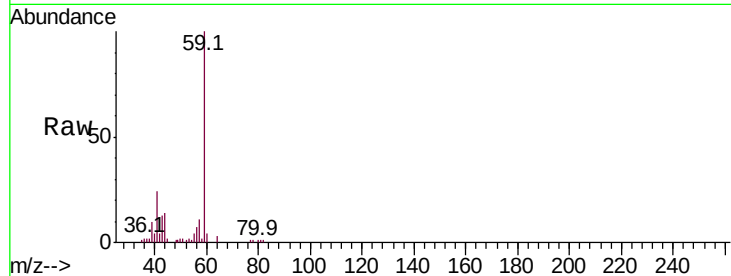


#11

Tert butyl alcohol
 Concen: 26.468 ug/l
 RT: 3.07 min Scan# 315
 Delta R.T. -0.01 min
 Lab File: VX004465.D
 Acq: 11 Sep 2018 13:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

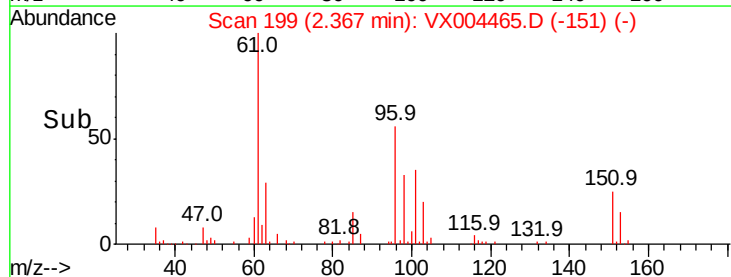
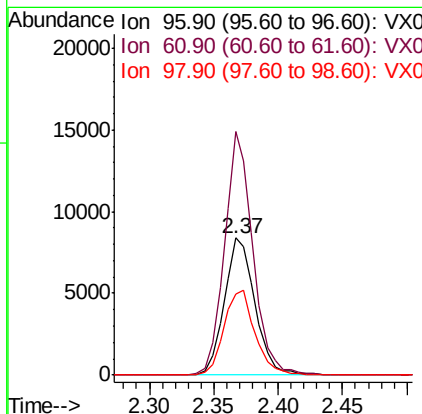
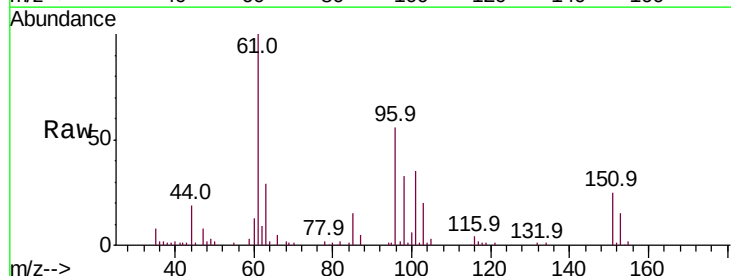
Tot Ion: 59 Resp: 21524
 Ion Ratio Lower Upper
 59 100
 57 10.1 8.2 12.4

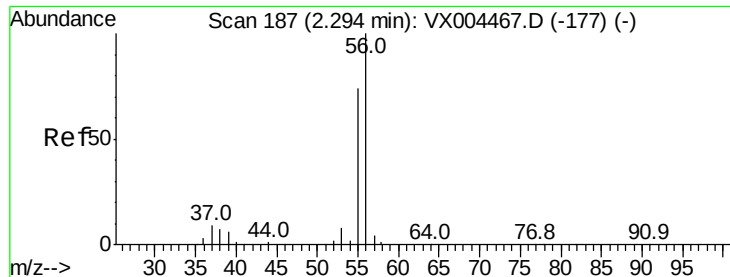


#12

1,1-Dichloroethene
 Concen: 5.067 ug/l
 RT: 2.37 min Scan# 199
 Delta R.T. -0.01 min
 Lab File: VX004465.D
 Acq: 11 Sep 2018 13:00

Tgt Ion: 96 Resp: 13994
 Ion Ratio Lower Upper
 96 100
 61 177.6 128.8 193.2
 98 59.2 52.2 78.2





#13

Acrolein

Concen: 27.750 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX004465.D

Acq: 11 Sep 2018 13:00

Instrument :

MSVOA_X

ClientSampleId :

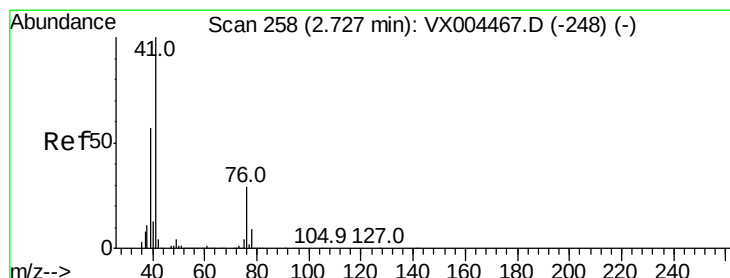
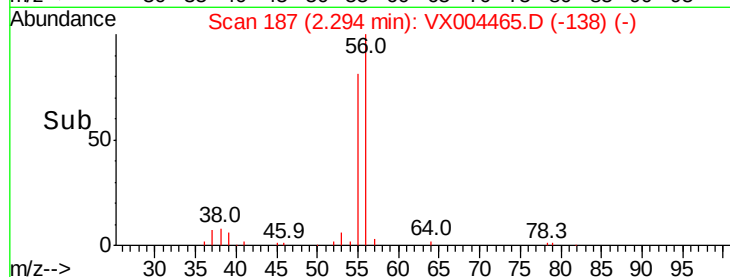
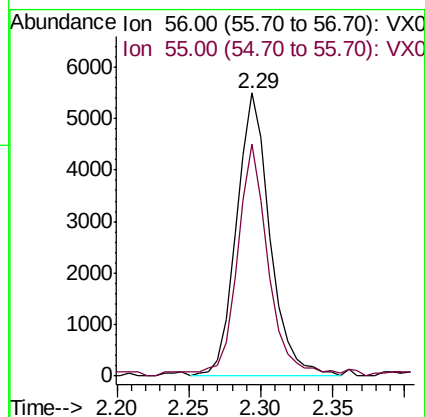
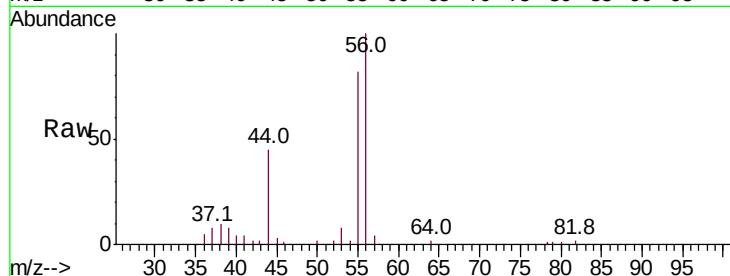
VSTDIC005

Tot Ion: 56 Resp: 8908

Ion Ratio Lower Upper

56 100

55 76.8 54.7 82.1



#14

Allyl chloride

Concen: 5.098 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.01 min

Lab File: VX004465.D

Acq: 11 Sep 2018 13:00

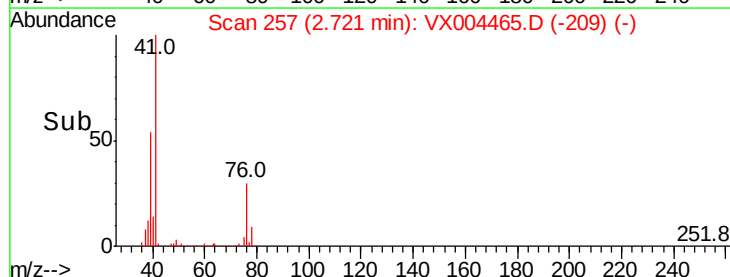
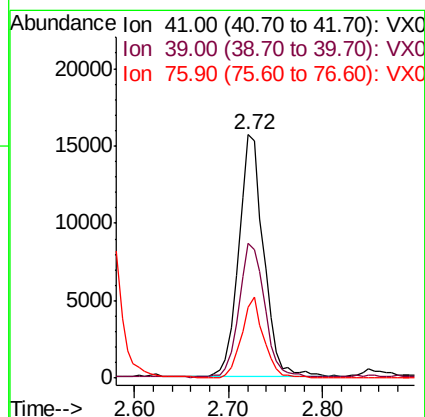
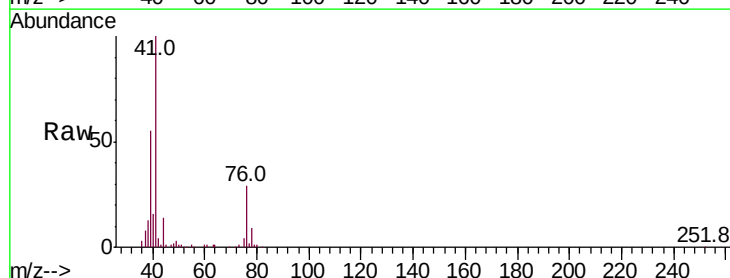
Tgt Ion: 41 Resp: 28947

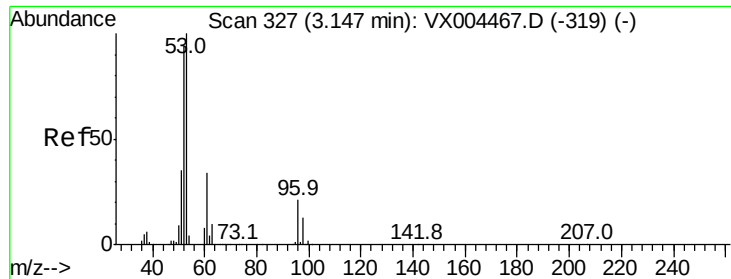
Ion Ratio Lower Upper

41 100

39 56.6 48.9 73.3

76 29.8 26.7 40.1





#15

Acrylonitrile

Concen: 25.160 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX004465.D

Acq: 11 Sep 2018 13:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

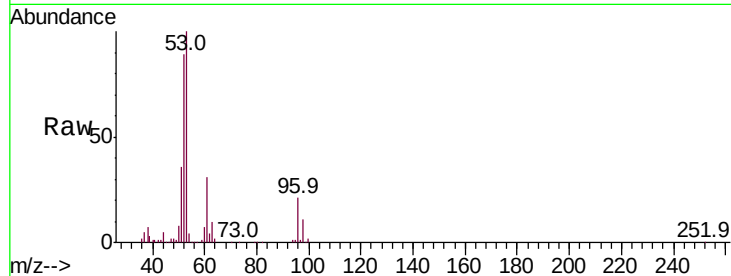
Tot Ion: 53 Resp: 49271

Ion Ratio Lower Upper

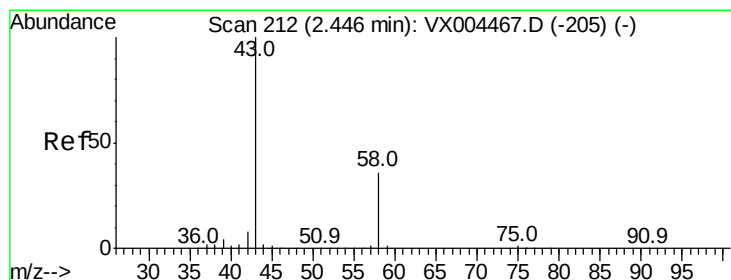
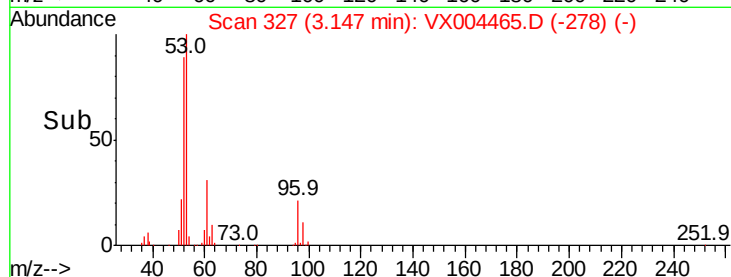
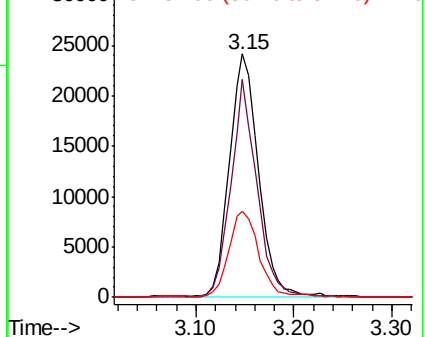
53 100

52 81.3 65.2 97.8

51 38.1 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: 28.838 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX004465.D

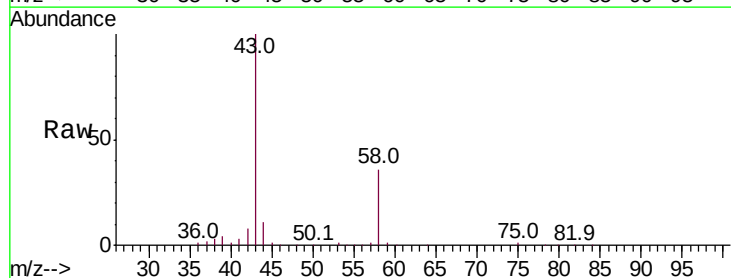
Acq: 11 Sep 2018 13:00

Tgt Ion: 43 Resp: 47968

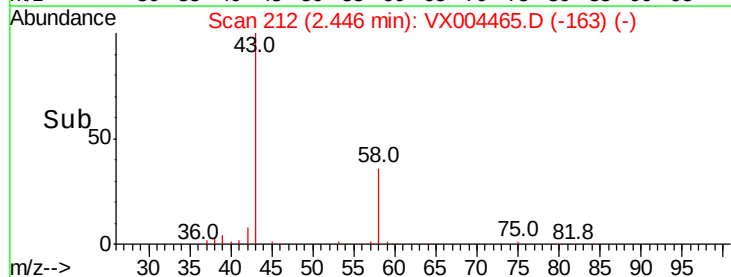
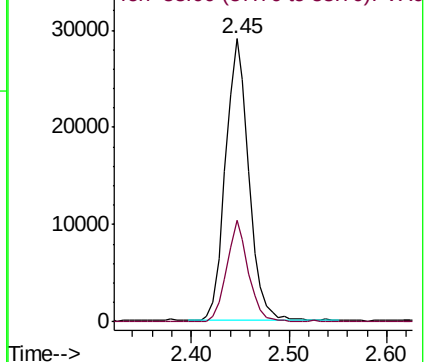
Ion Ratio Lower Upper

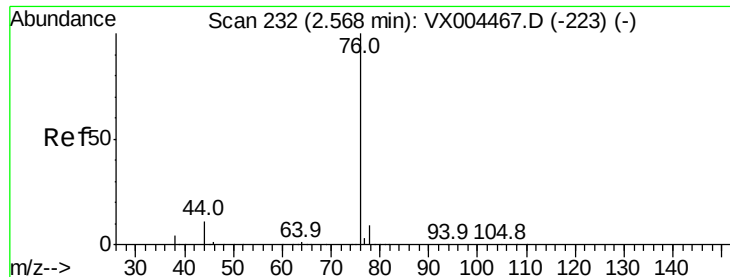
43 100

58 36.0 26.2 39.4



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

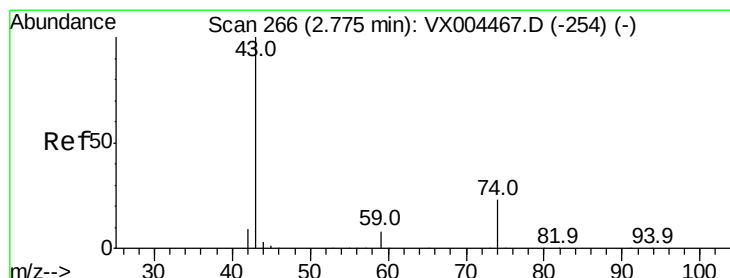
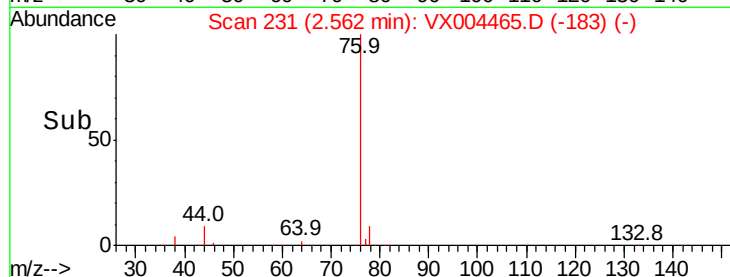
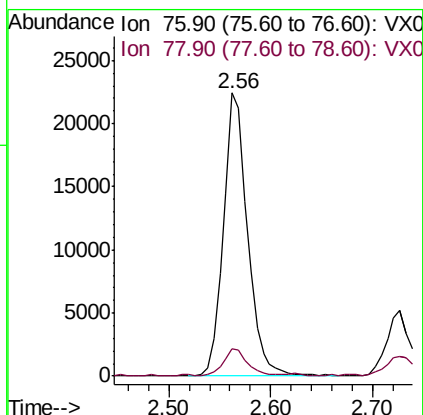
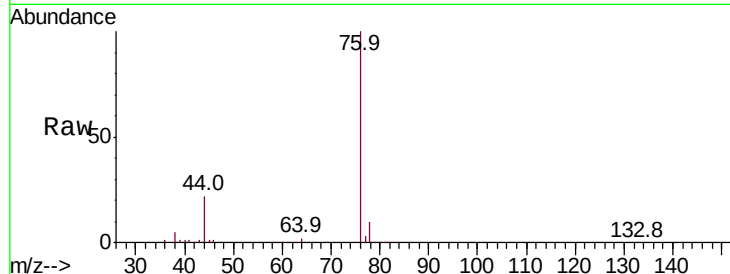




#17
Carbon Disulfide
Concen: 4.621 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.01 min
Lab File: VX004465.D
Acq: 11 Sep 2018 13:00

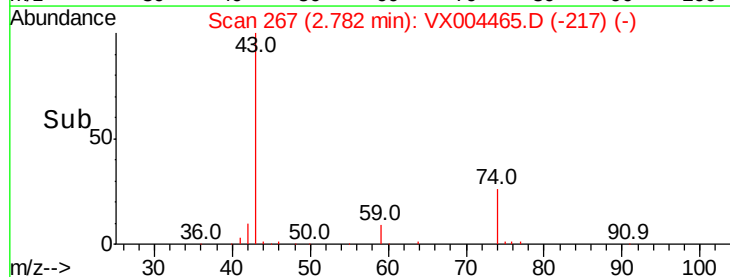
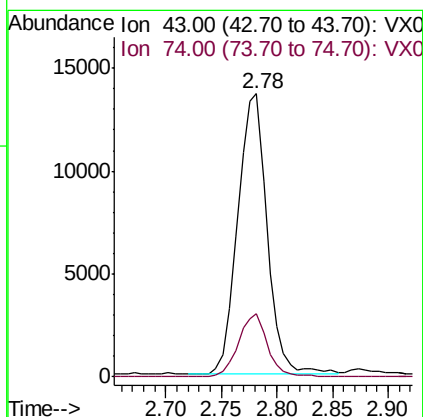
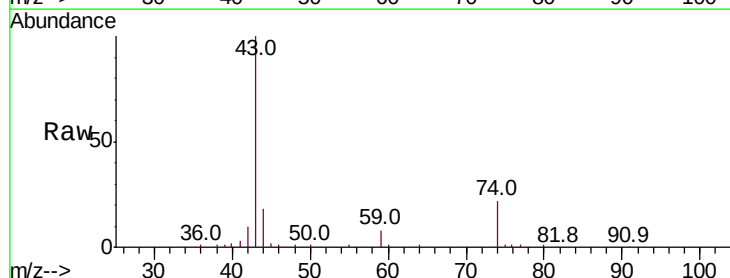
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

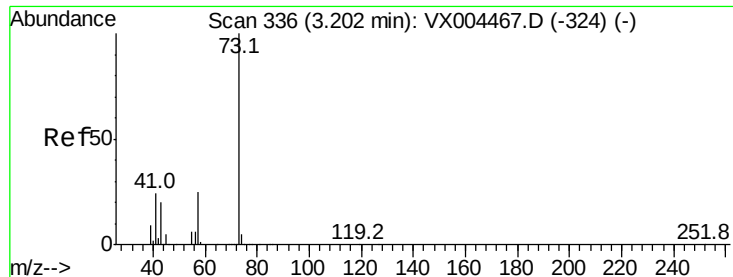
Tot Ion: 76 Resp: 36888
Ion Ratio Lower Upper
76 100
78 9.3 7.0 10.6



#18
Methyl Acetate
Concen: 5.322 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX004465.D
Acq: 11 Sep 2018 13:00

Tgt Ion: 43 Resp: 24836
Ion Ratio Lower Upper
43 100
74 22.4 19.4 29.2

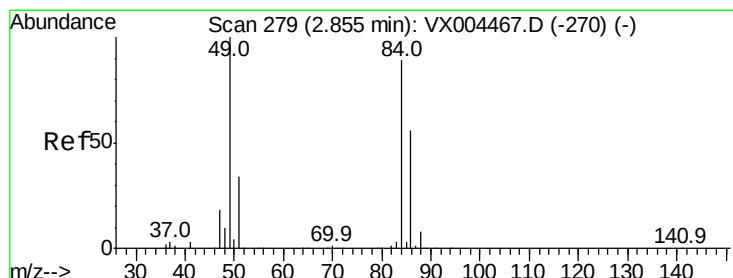
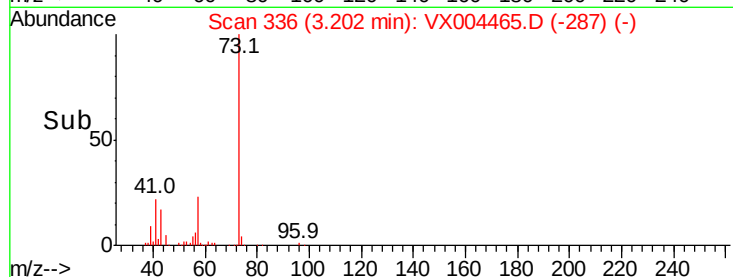
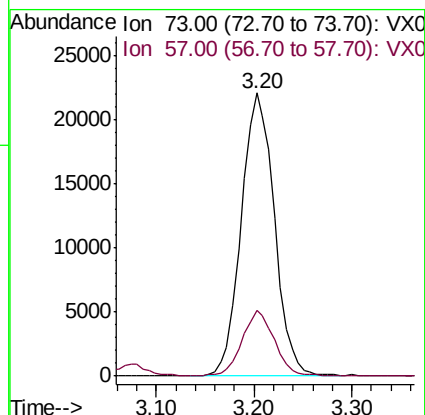
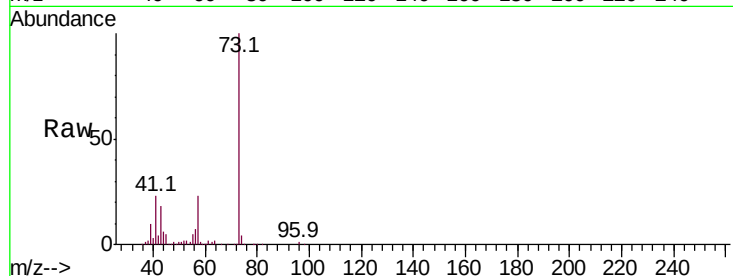




#19
Methvl tert-butvl Ether
Concen: 5.353 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX004465.D
Acq: 11 Sep 2018 13:00

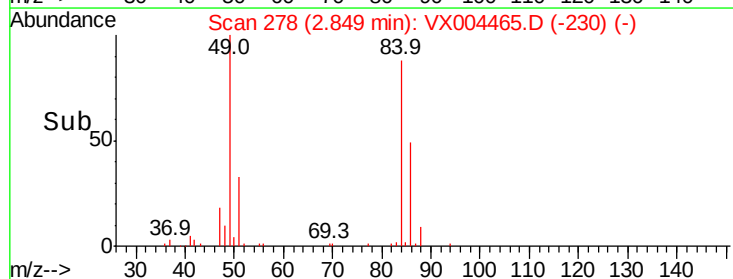
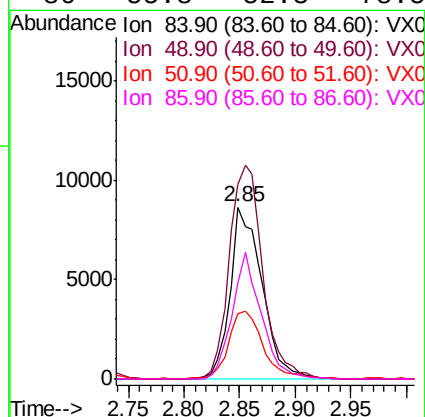
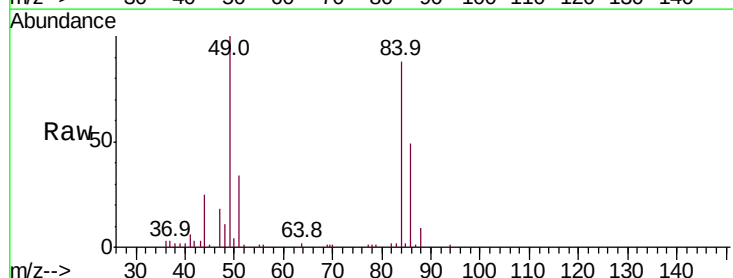
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

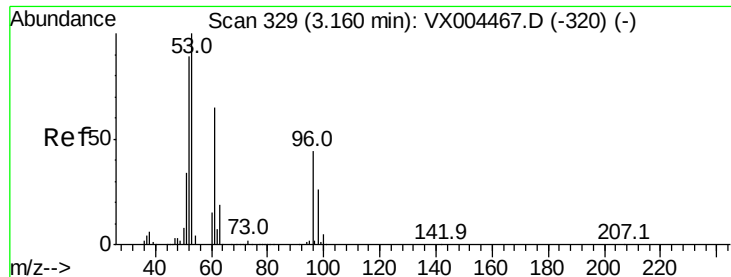
Tot Ion: 73 Resp: 51872
Ion Ratio Lower Upper
73 100
57 23.0 17.1 25.7



#20
Methylene Chloride
Concen: 5.035 ug/l
RT: 2.85 min Scan# 278
Delta R.T. -0.01 min
Lab File: VX004465.D
Acq: 11 Sep 2018 13:00

Tgt Ion: 84 Resp: 17181
Ion Ratio Lower Upper
84 100
49 113.4 101.2 151.8
51 38.2 29.5 44.3
86 55.8 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 5.149 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX004465.D

Acq: 11 Sep 2018 13:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

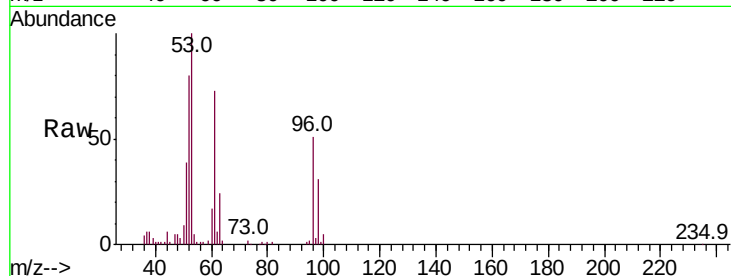
Tot Ion: 96 Resp: 15713

Ion Ratio Lower Upper

96 100

61 144.1 113.8 170.6

98 61.3 51.8 77.8

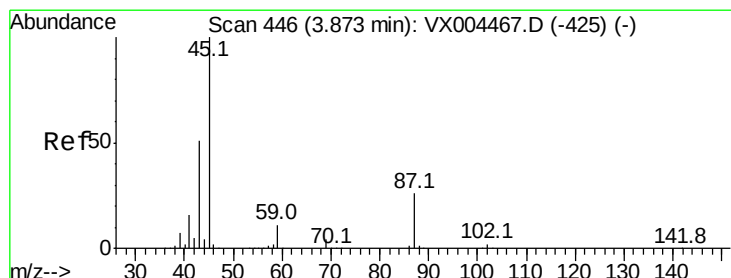
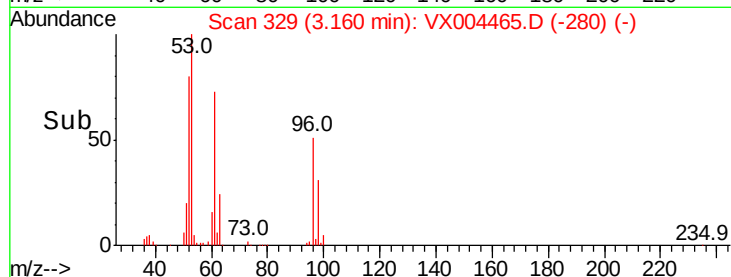
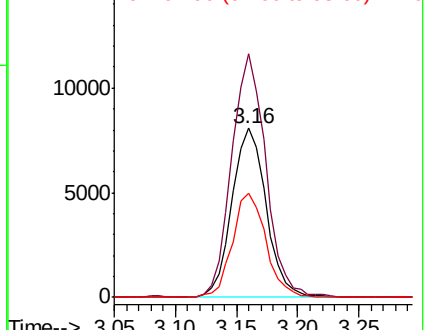


Abundance

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: 5.008 ug/l

RT: 3.87 min Scan# 445

Delta R.T. -0.01 min

Lab File: VX004465.D

Acq: 11 Sep 2018 13:00

Tgt Ion: 45 Resp: 51216

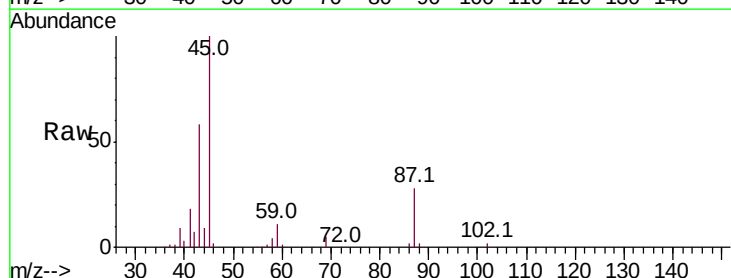
Ion Ratio Lower Upper

45 100

43 58.3 42.8 64.2

87 28.0 22.6 34.0

59 10.7 9.6 14.4



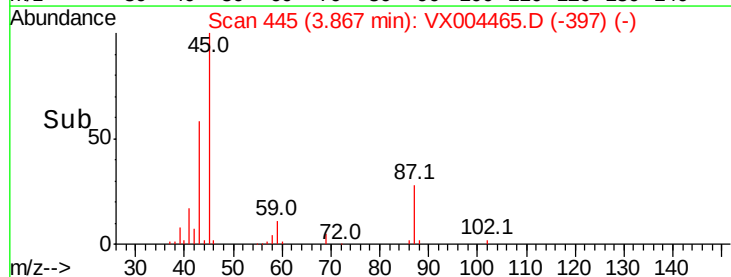
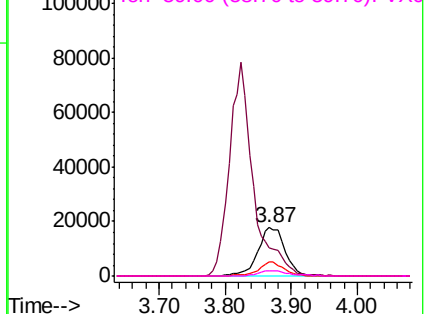
Abundance

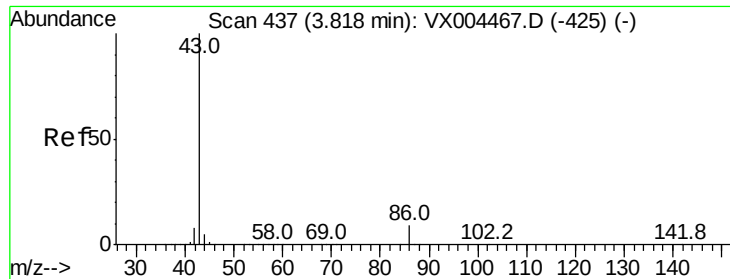
Ion 45.00 (44.70 to 45.70): VX0

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: 23.831 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX004465.D

Acq: 11 Sep 2018 13:00

Instrument :

MSVOA_X

ClientSampleId :

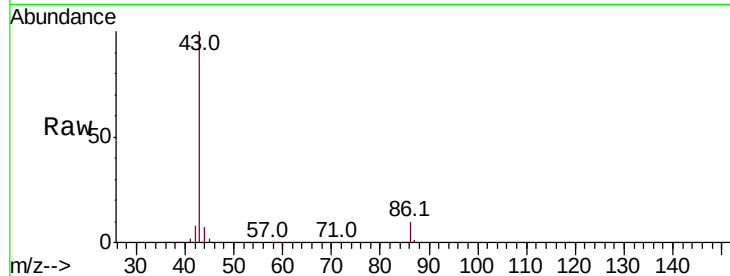
VSTDIC005

Tot Ion: 43 Resp: 197208

Ion Ratio Lower Upper

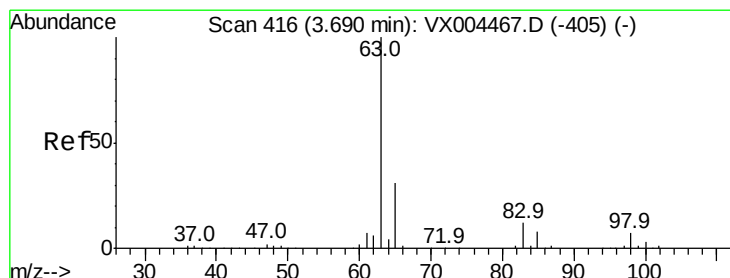
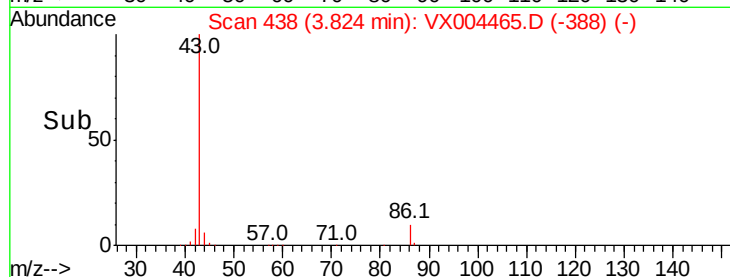
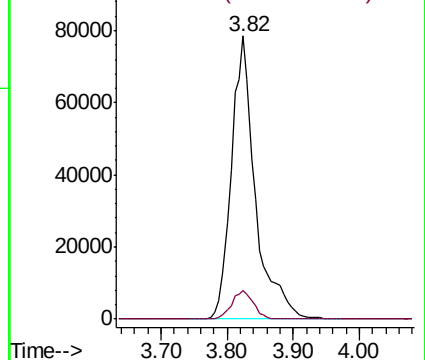
43 100

86 10.0 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 5.117 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX004465.D

Acq: 11 Sep 2018 13:00

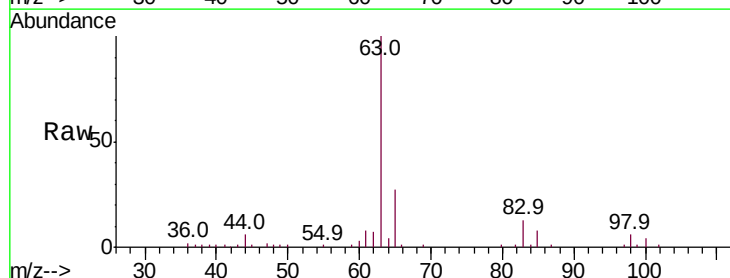
Tgt Ion: 63 Resp: 29540

Ion Ratio Lower Upper

63 100

98 6.0 3.5 10.4

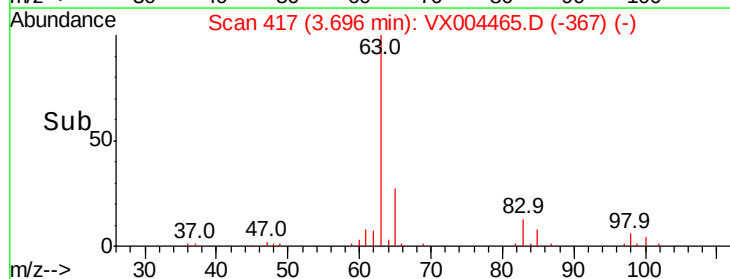
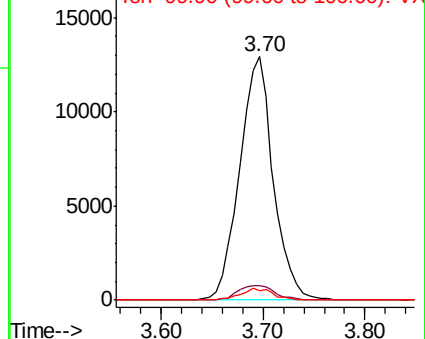
100 3.8 2.4 7.1

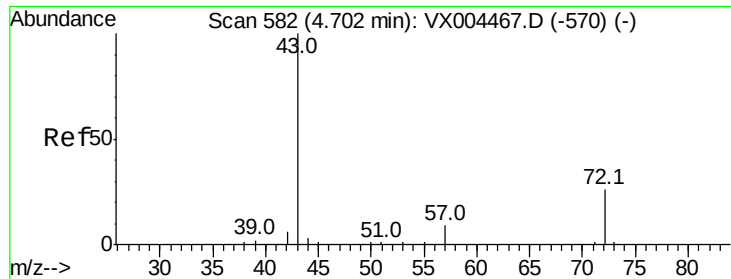


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 28.375 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX004465.D

Acq: 11 Sep 2018 13:00

Instrument :

MSVOA_X

ClientSampleId :

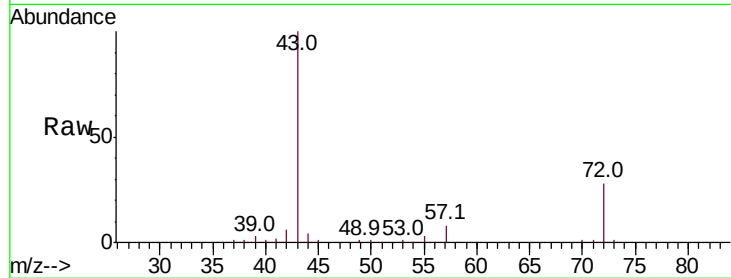
VSTDIC005

Tot Ion: 43 Resp: 75116

Ion Ratio Lower Upper

43 100

72 27.7 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.70

30000

25000

20000

15000

10000

5000

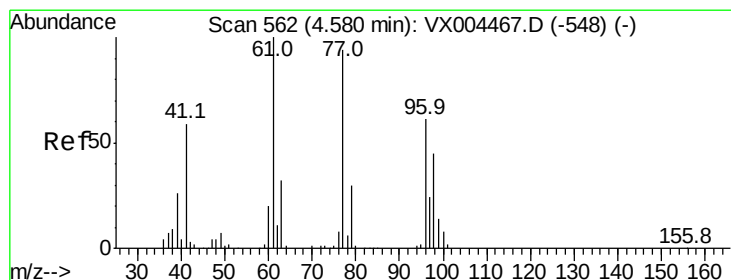
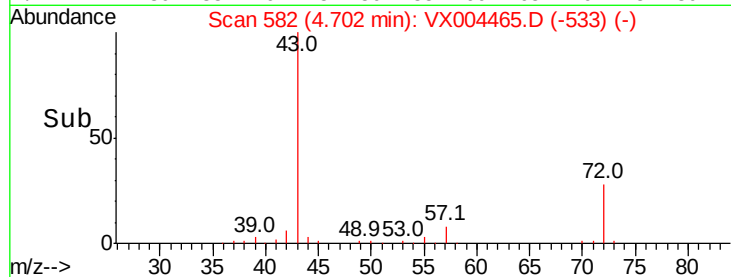
0

Time-->

4.60

4.70

4.80



#26

2,2-Dichloropropane

Concen: 5.041 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX004465.D

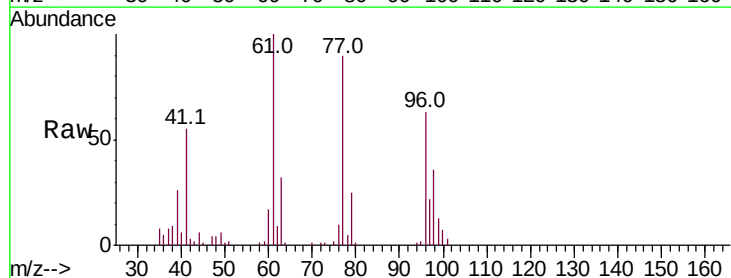
Acq: 11 Sep 2018 13:00

Tgt Ion: 77 Resp: 19989

Ion Ratio Lower Upper

77 100

97 24.7 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.58

6000

4000

2000

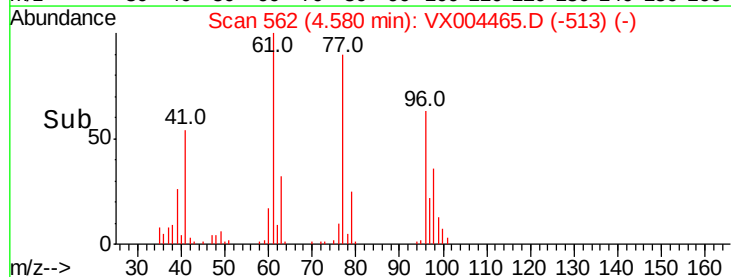
0

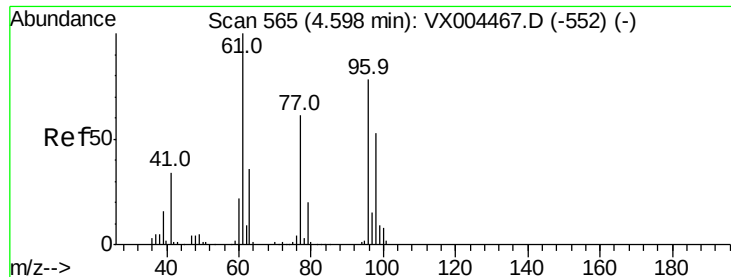
Time-->

4.50

4.60

4.70



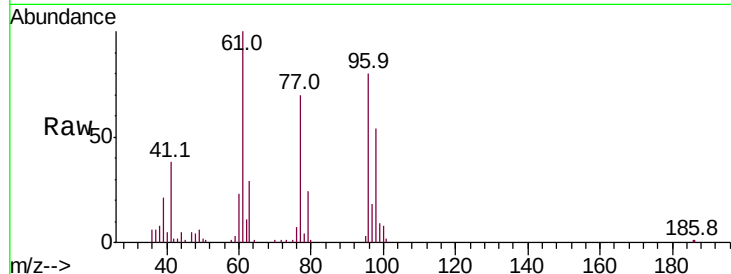


#27

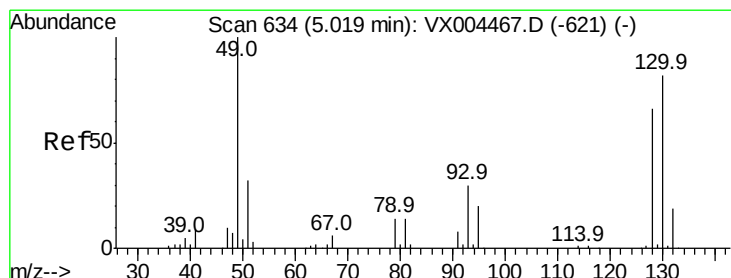
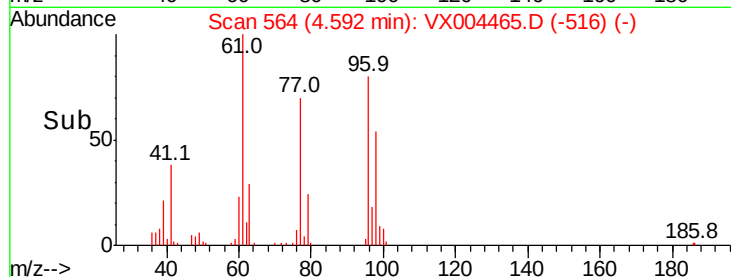
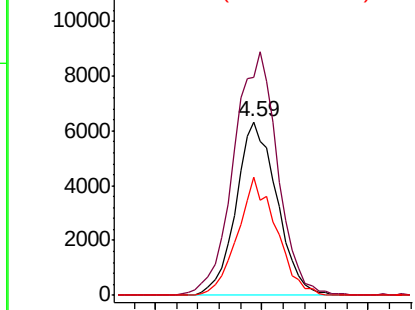
cis-1,2-Dichloroethene
 Concen: 4.997 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VX004465.D
 Acq: 11 Sep 2018 13:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion: 96 Resp: 17023
 Ion Ratio Lower Upper
 96 100
 61 150.8 0.0 282.6
 98 64.8 0.0 130.2



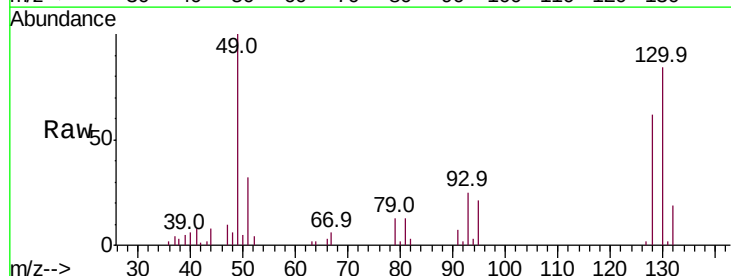
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



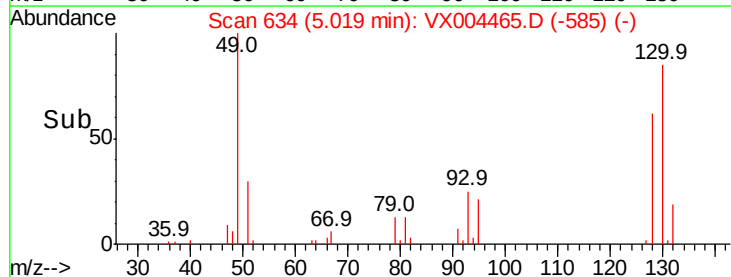
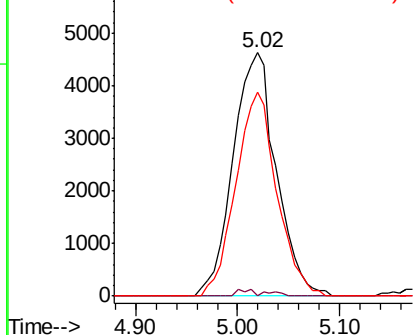
#28

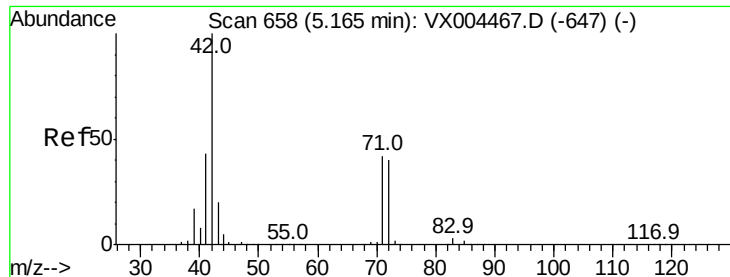
Bromochloromethane
 Concen: 5.128 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. 0.00 min
 Lab File: VX004465.D
 Acq: 11 Sep 2018 13:00

Tgt Ion: 49 Resp: 13543
 Ion Ratio Lower Upper
 49 100
 129 0.9 0.0 4.2
 130 80.0 67.5 101.3



Abundance Ion 48.90 (48.60 to 49.60): VX0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 23.289 ug/l

RT: 5.16 min Scan# 657

Delta R.T. -0.01 min

Lab File: VX004465.D

Acq: 11 Sep 2018 13:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

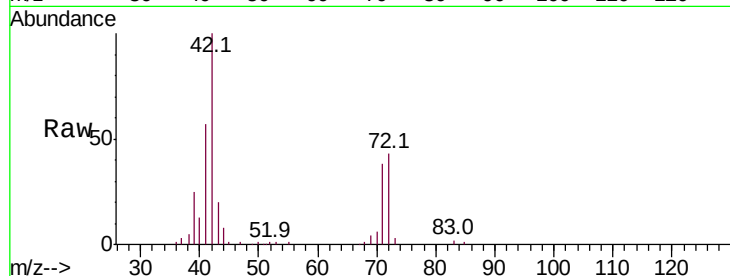
Tot Ion: 42 Resp: 37180

Ion Ratio Lower Upper

42 100

72 44.1 37.4 56.0

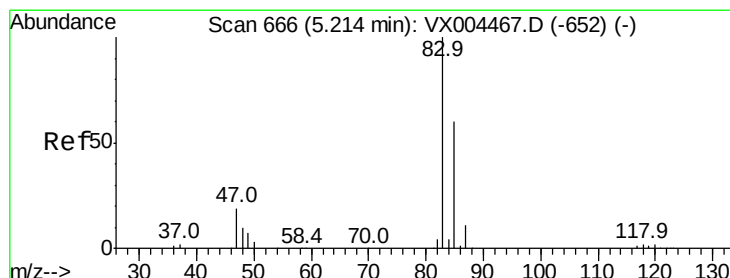
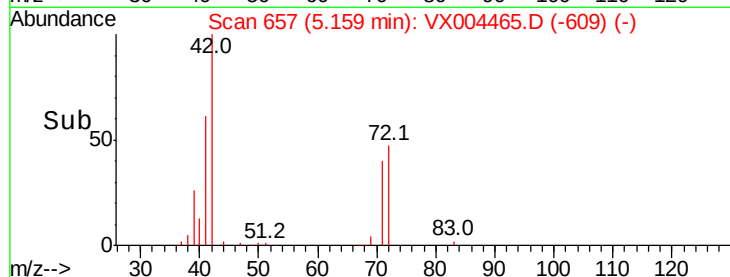
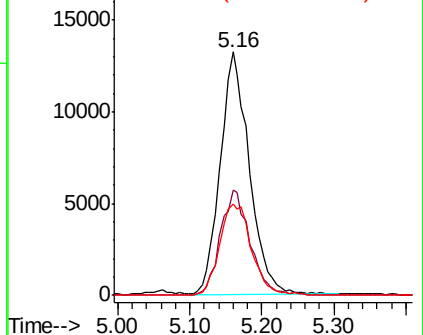
71 41.3 34.5 51.7



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: 5.252 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.00 min

Lab File: VX004465.D

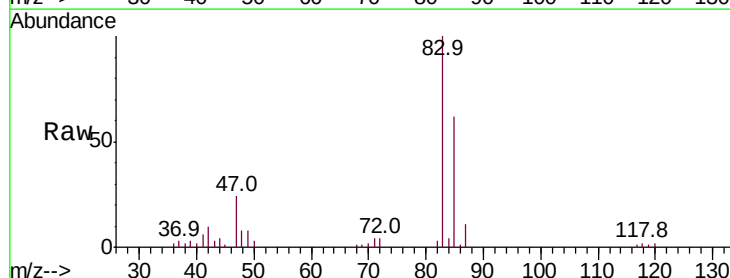
Acq: 11 Sep 2018 13:00

Tgt Ion: 83 Resp: 29601

Ion Ratio Lower Upper

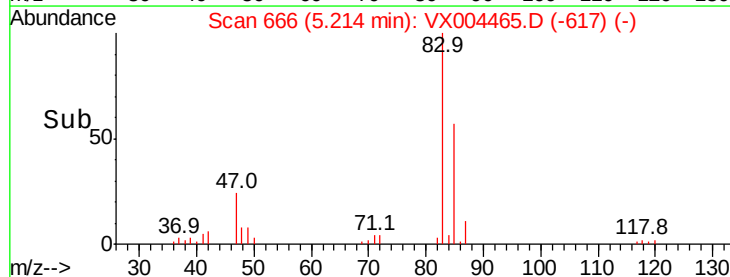
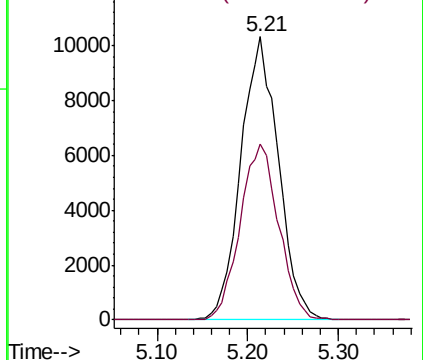
83 100

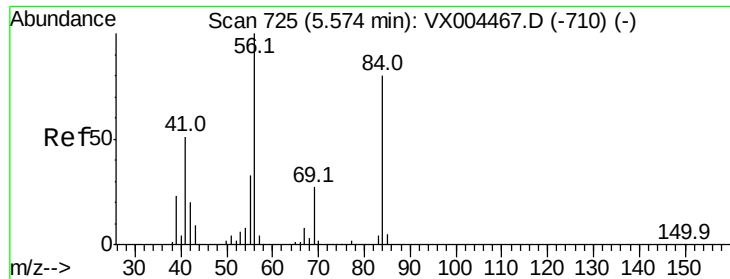
85 62.2 52.6 79.0



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

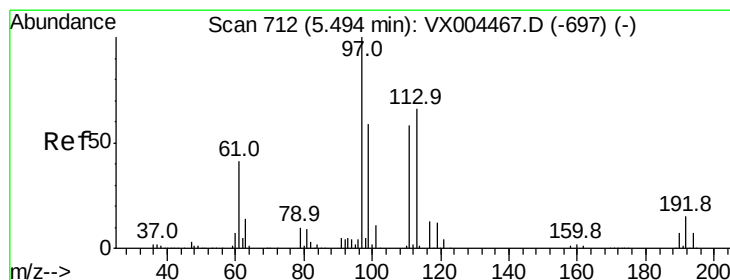
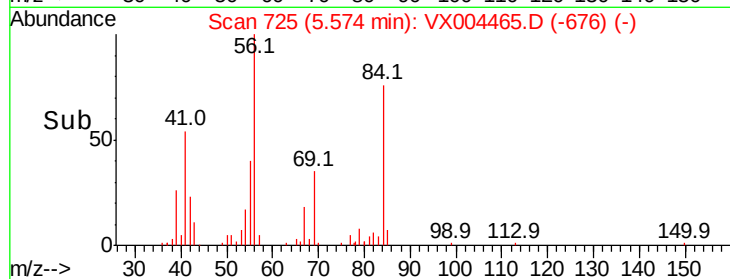
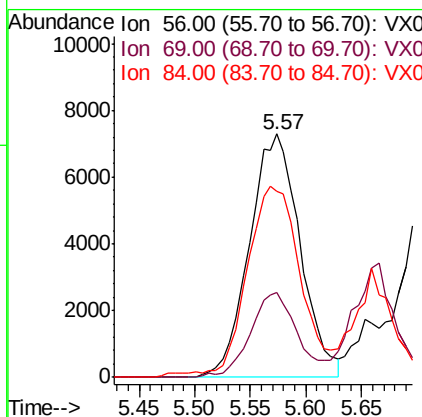
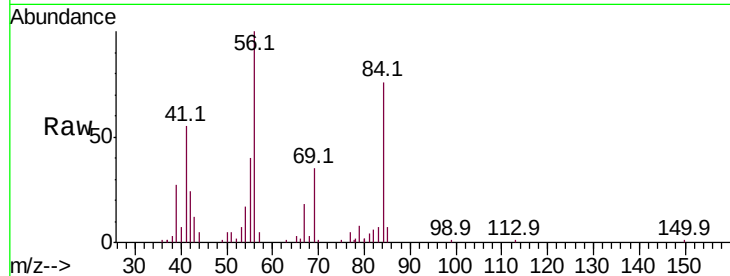




#31
Cyclohexane
Concen: 4.679 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX004465.D
Acq: 11 Sep 2018 13:00

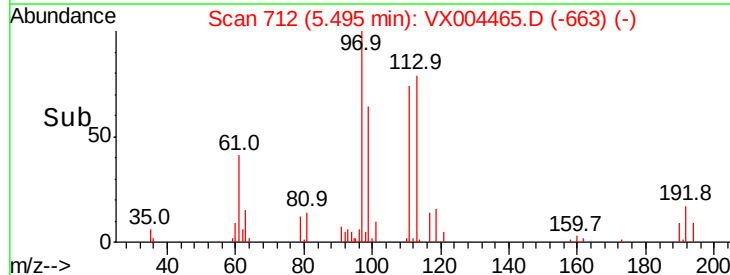
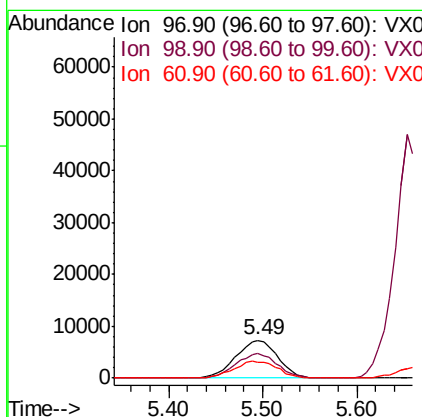
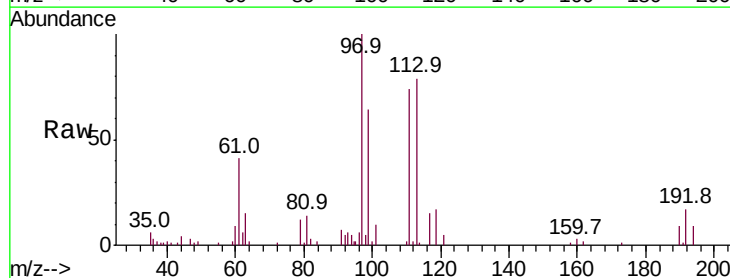
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

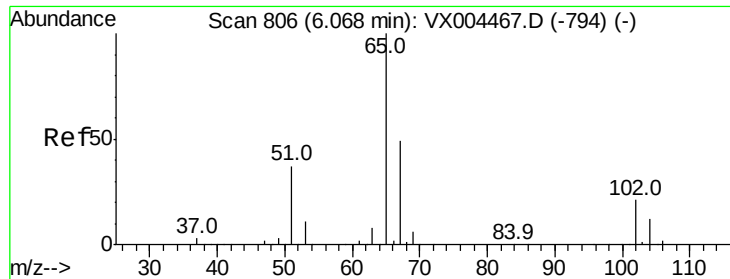
Tot Ion: 56 Resp: 23065
Ion Ratio Lower Upper
56 100
69 35.1 25.4 38.2
84 74.5 71.4 107.2



#32
1,1,1-Trichloroethane
Concen: 4.984 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX004465.D
Acq: 11 Sep 2018 13:00

Tgt Ion: 97 Resp: 22624
Ion Ratio Lower Upper
97 100
99 65.0 52.0 78.0
61 46.5 34.9 52.3

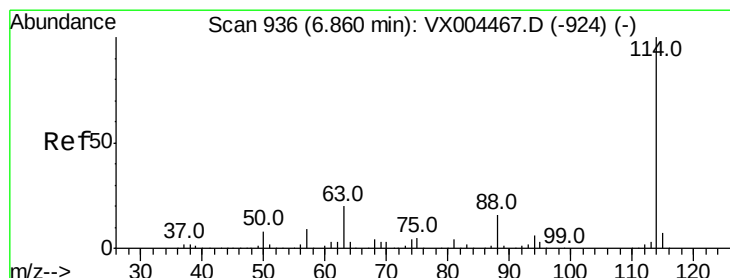
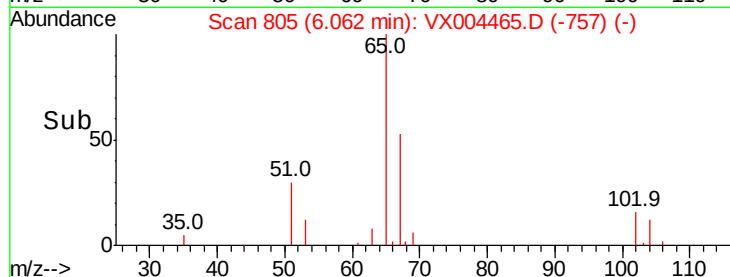
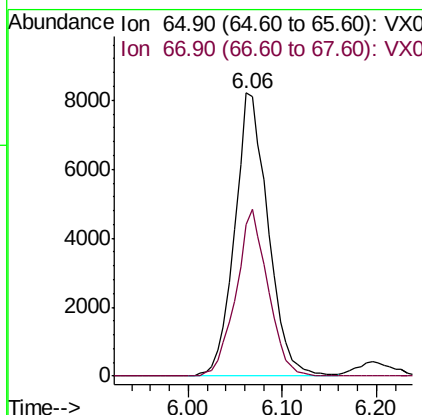
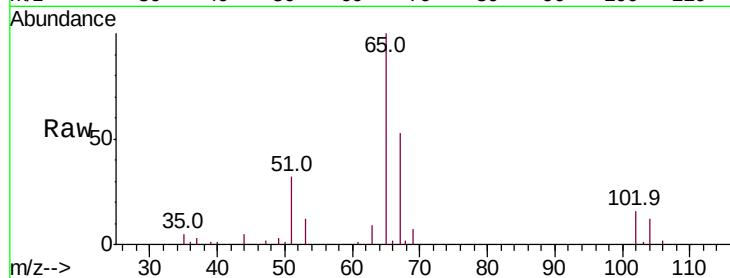




#33
 1,2-Dichloroethane-d4
 Concen: 5.967 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX004465.D
 Acq: 11 Sep 2018 13:00

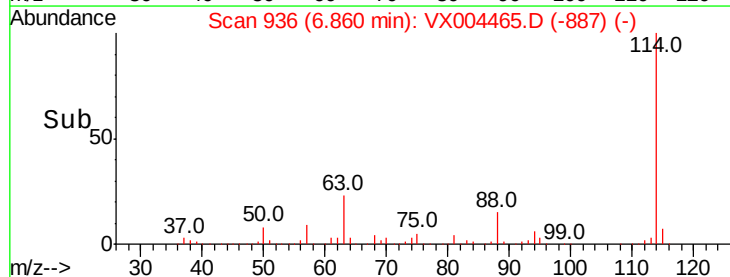
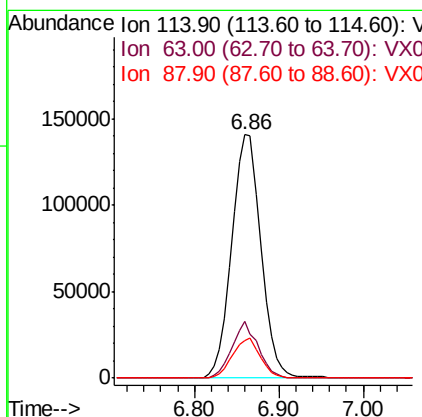
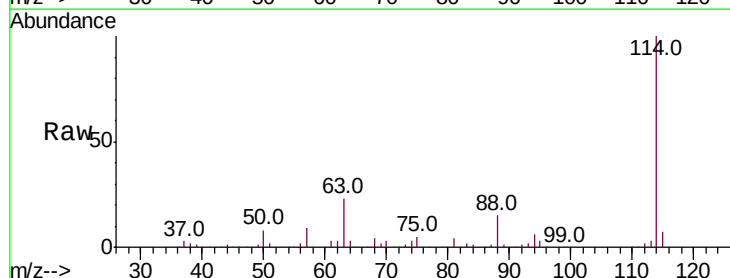
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

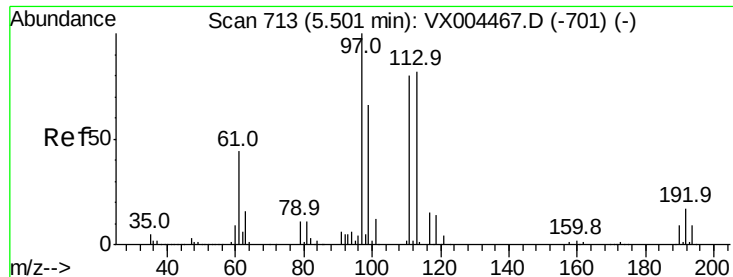
Tot Ion: 65 Resp: 20336
 Ion Ratio Lower Upper
 65 100
 67 56.0 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX004465.D
 Acq: 11 Sep 2018 13:00

Tgt Ion:114 Resp: 330953
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 39.0
 88 15.4 0.0 30.4

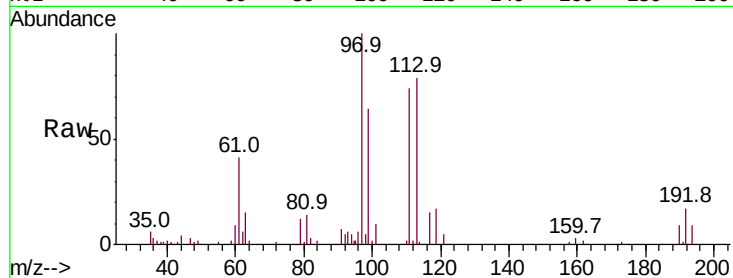




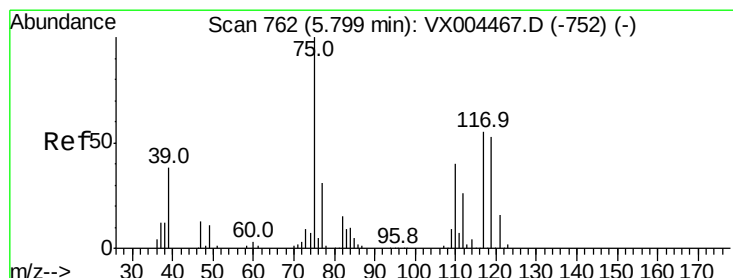
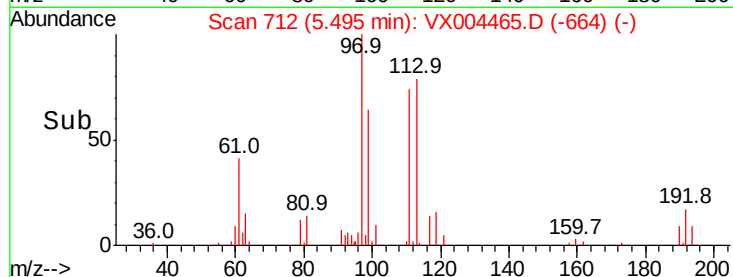
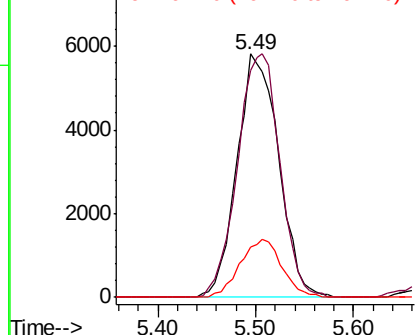
#35
 Dibromofluoromethane
 Concen: 5.674 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VX004465.D
 Acq: 11 Sep 2018 13:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion:113 Resp: 17183
 Ion Ratio Lower Upper
 113 100
 111 101.1 82.4 123.6
 192 23.7 19.4 29.2

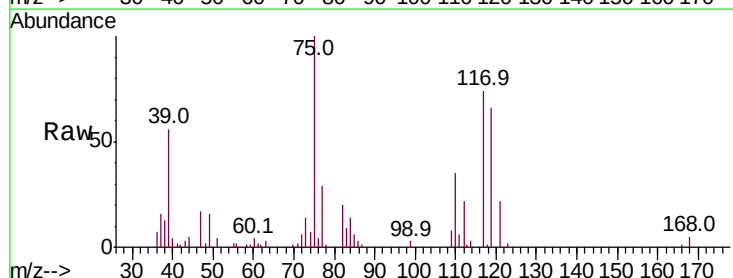


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

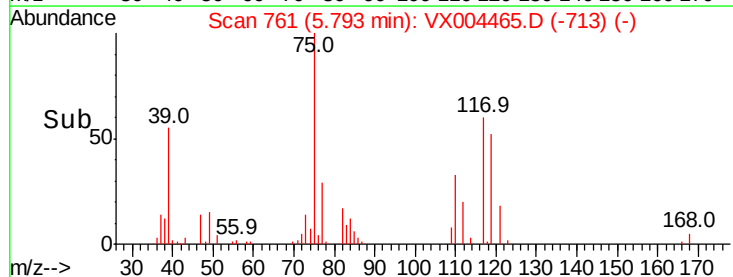
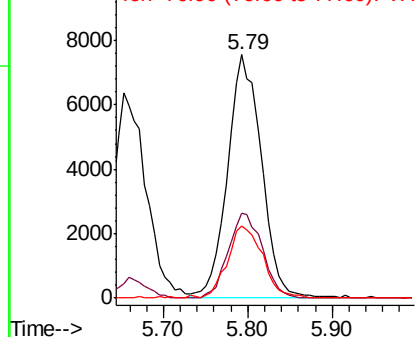


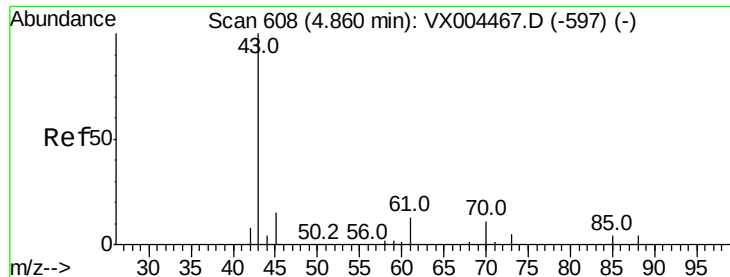
#36
 1,1-Dichloropropene
 Concen: 5.147 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: VX004465.D
 Acq: 11 Sep 2018 13:00

Tgt Ion: 75 Resp: 20679
 Ion Ratio Lower Upper
 75 100
 110 35.1 18.0 54.0
 77 30.9 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: 5.031 ug/l

RT: 4.86 min Scan# 608

Delta R.T. 0.00 min

Lab File: VX004465.D

Acq: 11 Sep 2018 13:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

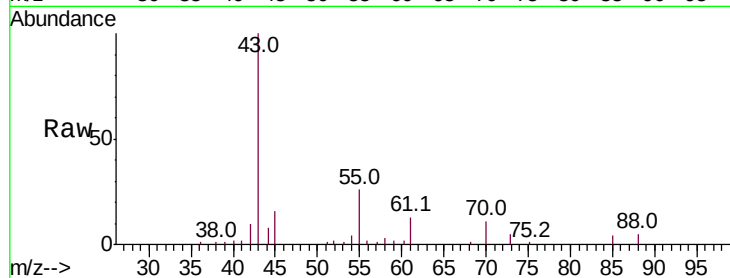
Tot Ion: 43 Resp: 22990

Ion Ratio Lower Upper

43 100

61 14.7 11.5 17.3

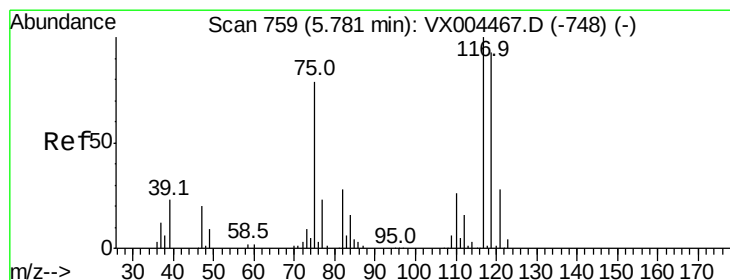
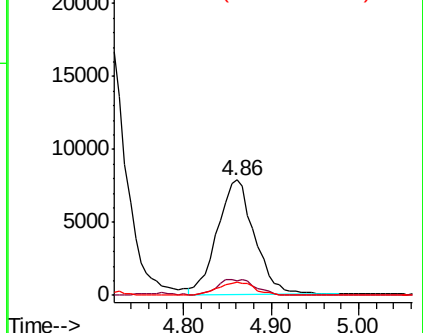
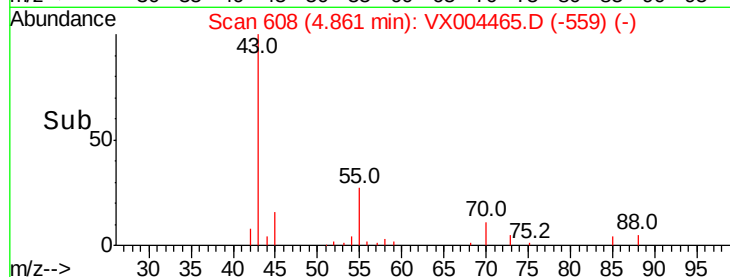
70 11.5 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 5.106 ug/l

RT: 5.78 min Scan# 758

Delta R.T. -0.01 min

Lab File: VX004465.D

Acq: 11 Sep 2018 13:00

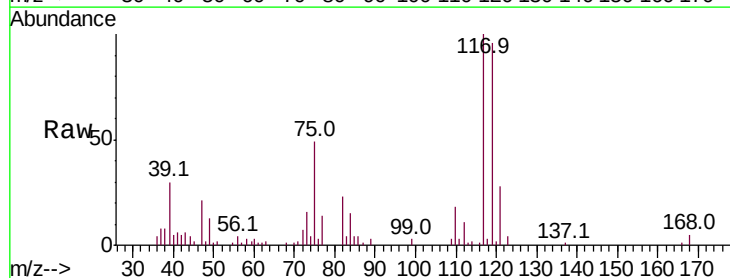
Tgt Ion: 117 Resp: 20037

Ion Ratio Lower Upper

117 100

119 96.0 78.8 118.2

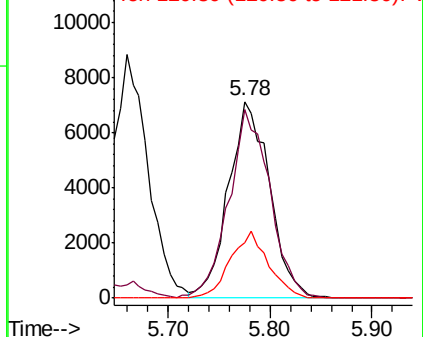
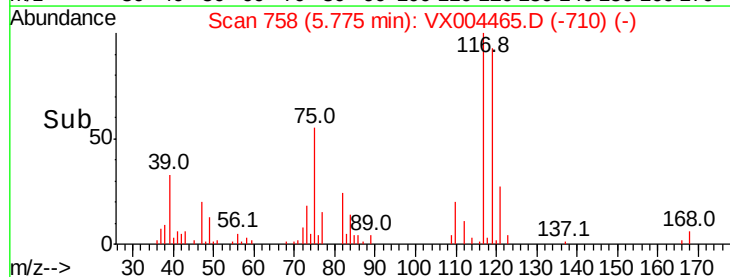
121 28.3 24.9 37.3

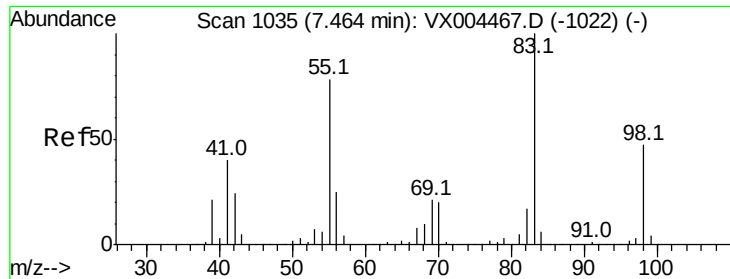


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

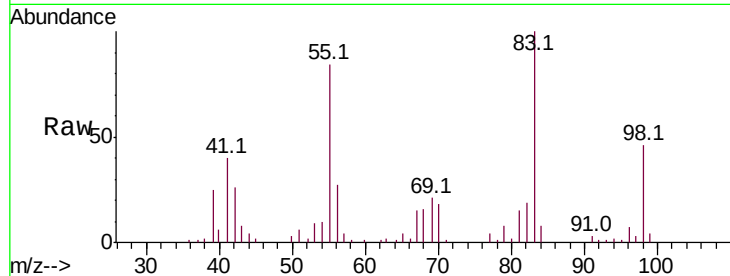




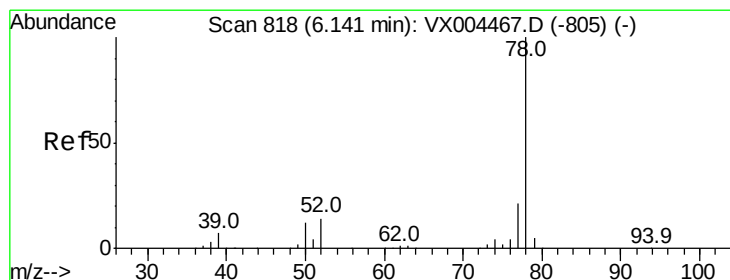
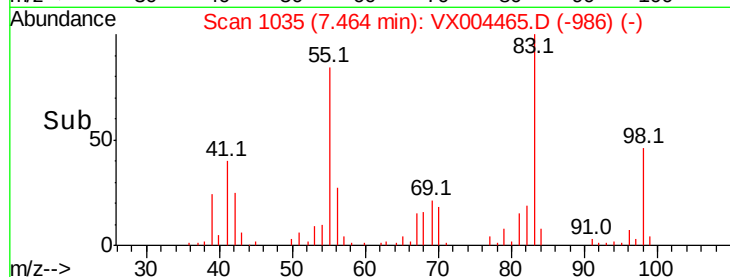
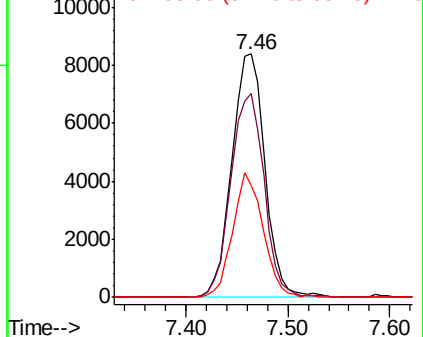
#39
Methylvlcyclohexane
Concen: 4.501 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX004465.D
Acq: 11 Sep 2018 13:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 83 Resp: 18872
Ion Ratio Lower Upper
83 100
55 83.8 61.0 91.4
98 46.1 39.6 59.4

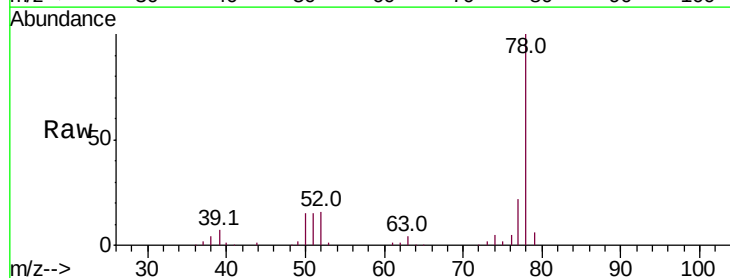


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

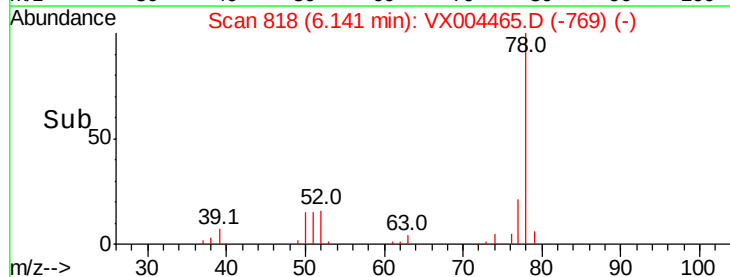
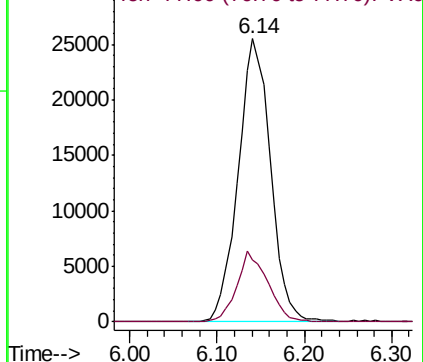


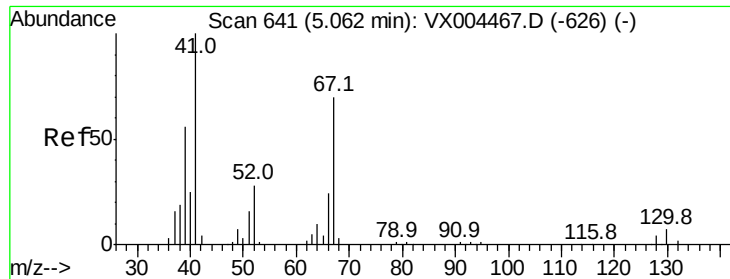
#40
Benzene
Concen: 5.500 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX004465.D
Acq: 11 Sep 2018 13:00

Tgt Ion: 78 Resp: 65570
Ion Ratio Lower Upper
78 100
77 21.8 19.0 28.4



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





#41

Methacrylonitrile

Concen: 4.920 ug/l

RT: 5.07 min Scan# 642

Delta R.T. 0.01 min

Lab File: VX004465.D

Acq: 11 Sep 2018 13:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 41 Resp: 12387

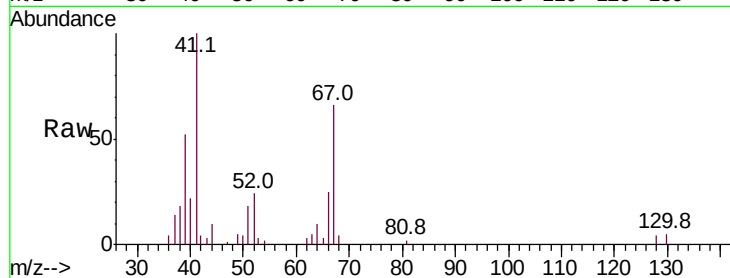
Ion Ratio Lower Upper

41 100

39 54.9 42.4 63.6

67 71.8 59.2 88.8

52 31.0 23.0 34.4



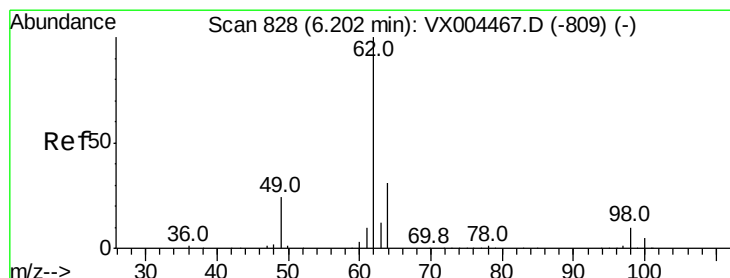
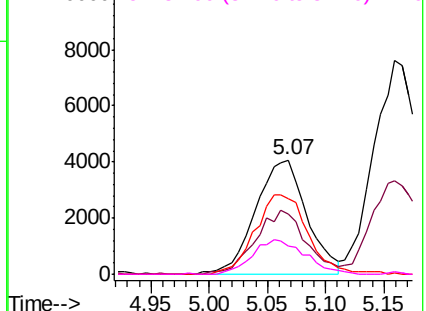
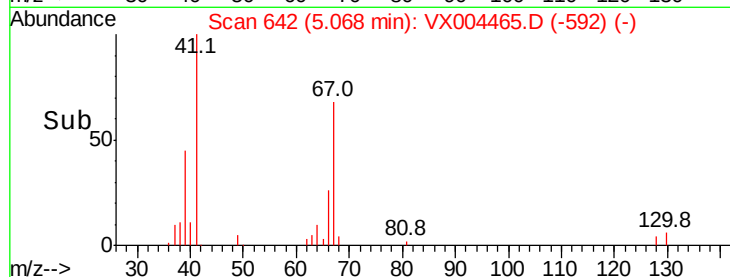
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 5.595 ug/l

RT: 6.20 min Scan# 828

Delta R.T. 0.00 min

Lab File: VX004465.D

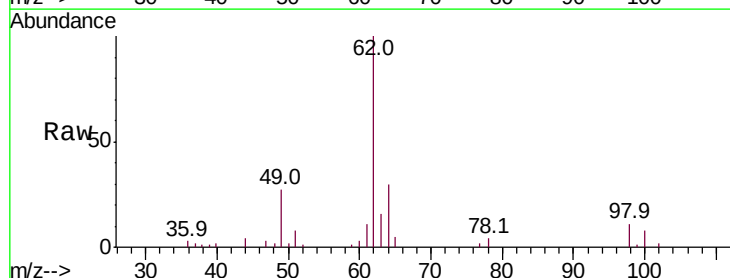
Acq: 11 Sep 2018 13:00

Tgt Ion: 62 Resp: 22123

Ion Ratio Lower Upper

62 100

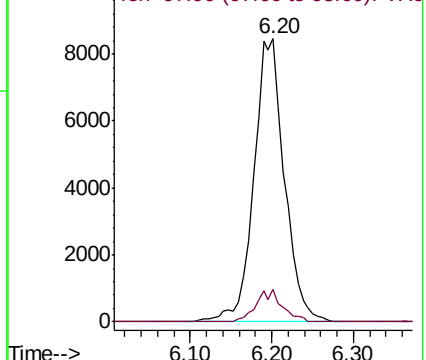
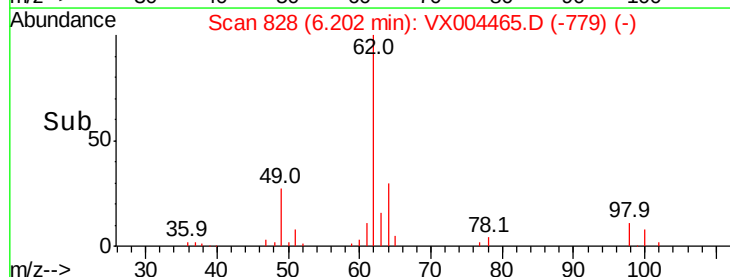
98 9.7 0.0 20.6

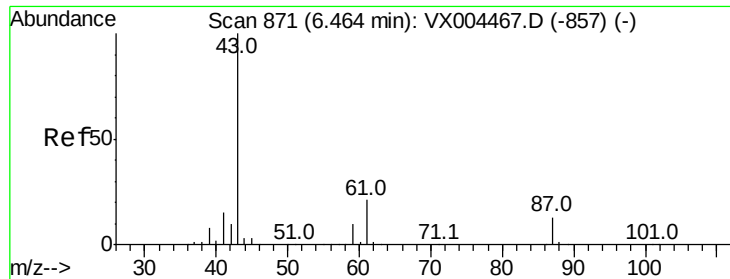


Abundance

Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 5.083 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.00 min

Lab File: VX004465.D

Acq: 11 Sep 2018 13:00

Instrument :

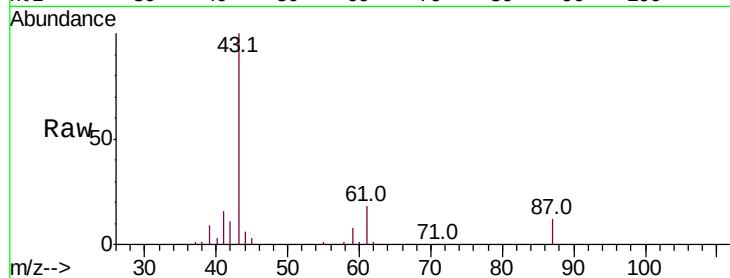
MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 30853

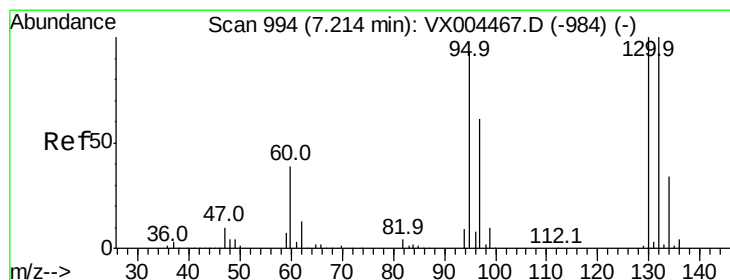
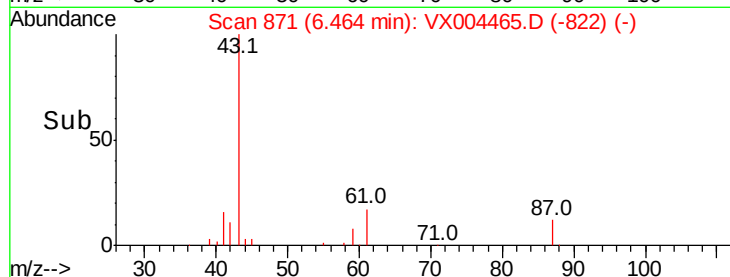
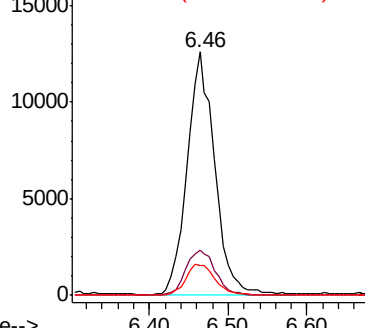
Ion	Ratio	Lower	Upper
43	100		
61	19.6	17.0	25.4
87	13.4	11.4	17.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 5.126 ug/l

RT: 7.21 min Scan# 994

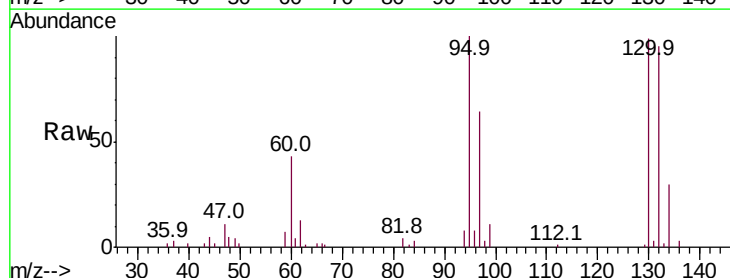
Delta R.T. 0.00 min

Lab File: VX004465.D

Acq: 11 Sep 2018 13:00

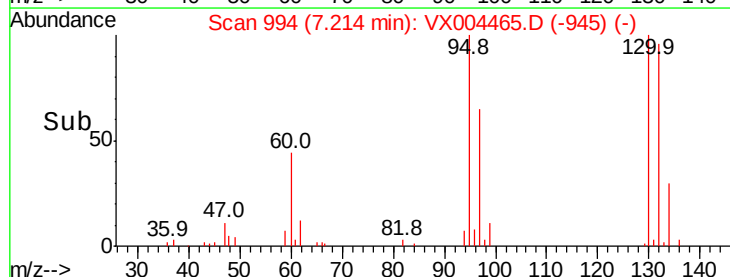
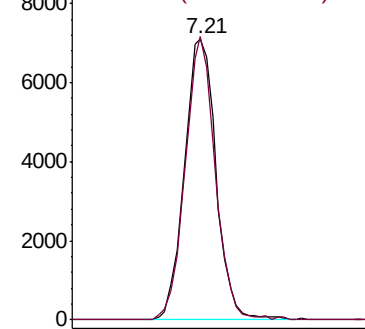
Tgt Ion: 130 Resp: 15876

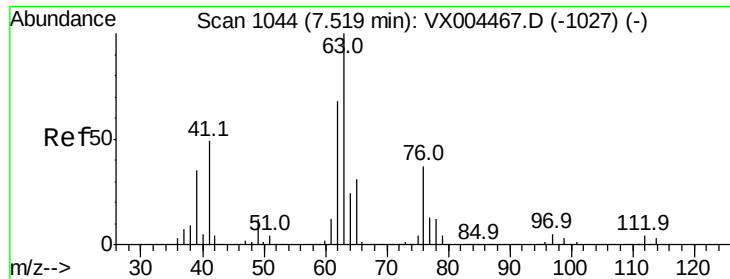
Ion	Ratio	Lower	Upper
130	100		
95	100.6	0.0	181.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 5.208 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VX004465.D

Acq: 11 Sep 2018 13:00

Instrument :

MSVOA_X

ClientSampleId :

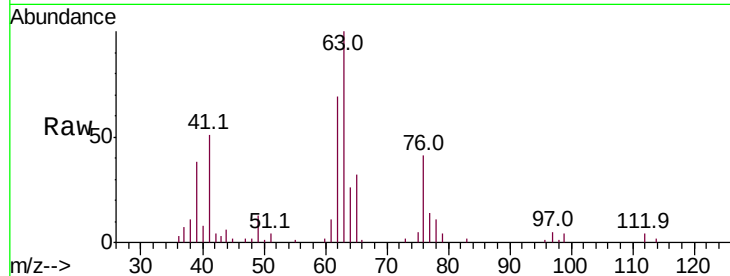
VSTDIC005

Tot Ion: 63 Resp: 14941

Ion Ratio Lower Upper

63 100

65 31.5 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.52

8000

6000

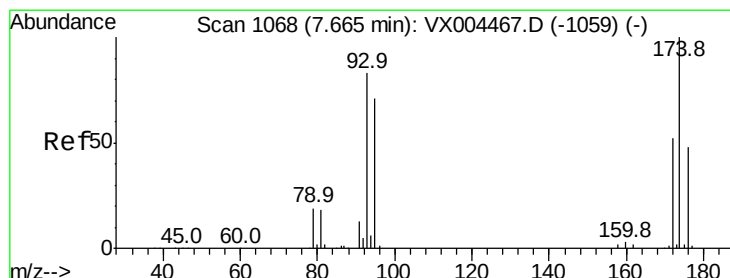
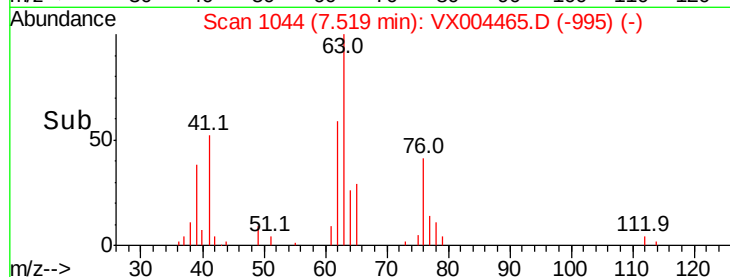
4000

2000

0

7.40 7.50 7.60

Time-->



#46

Dibromomethane

Concen: 5.184 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VX004465.D

Acq: 11 Sep 2018 13:00

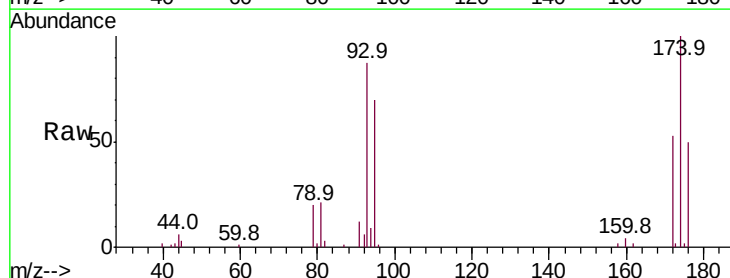
Tgt Ion: 93 Resp: 9394

Ion Ratio Lower Upper

93 100

95 82.2 65.5 98.3

174 112.1 94.2 141.4



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

6000

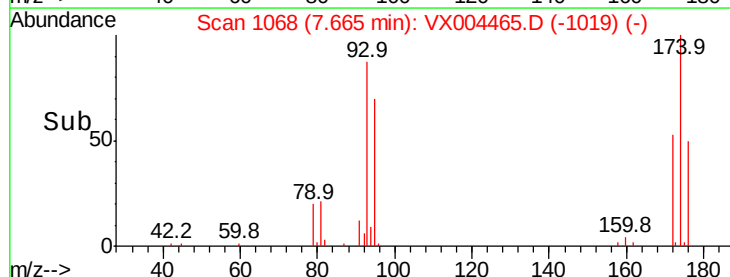
4000

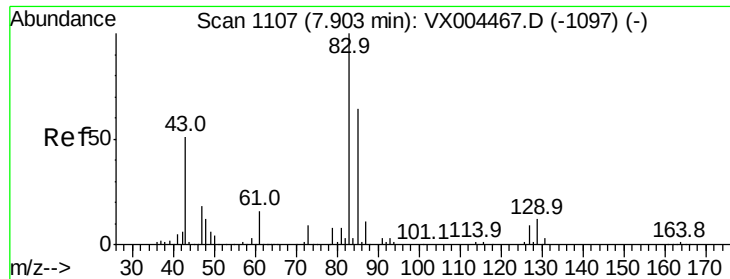
2000

0

7.60 7.65 7.70 7.75

Time-->





#47

Bromodichloromethane

Concen: 4.909 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VX004465.D

Acq: 11 Sep 2018 13:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

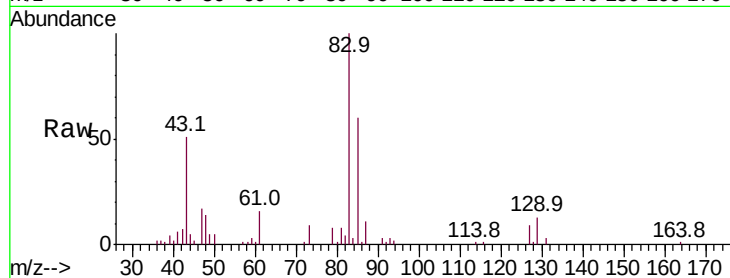
Tot Ion: 83 Resp: 16825

Ion Ratio Lower Upper

83 100

85 60.1 50.9 76.3

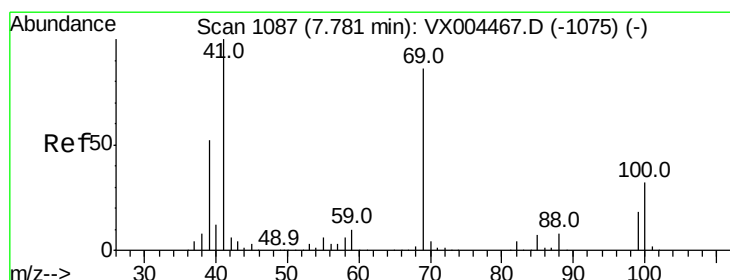
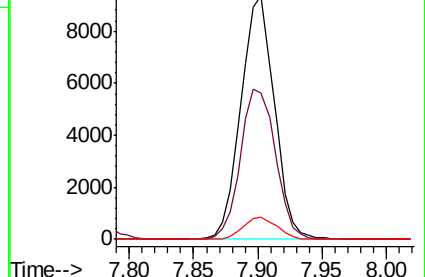
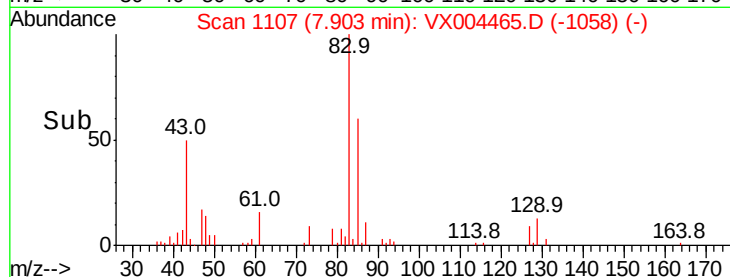
127 9.2 7.3 10.9



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: 4.628 ug/l

RT: 7.78 min Scan# 1087

Delta R.T. 0.00 min

Lab File: VX004465.D

Acq: 11 Sep 2018 13:00

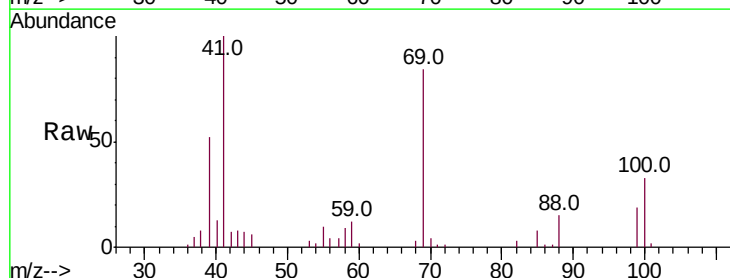
Tgt Ion: 41 Resp: 13901

Ion Ratio Lower Upper

41 100

69 84.7 70.2 105.4

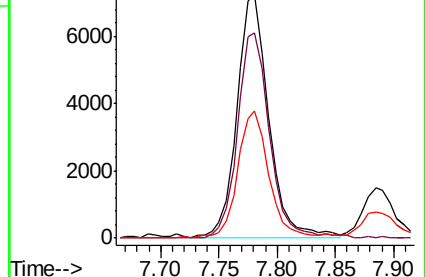
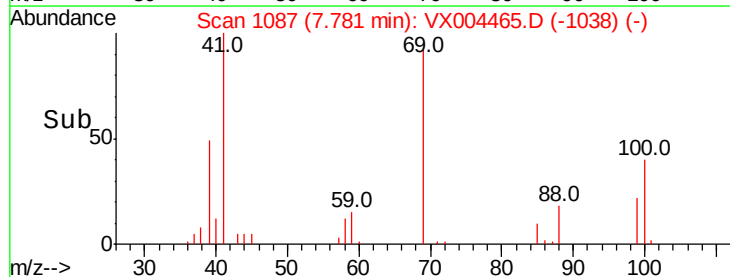
39 51.8 42.7 64.1

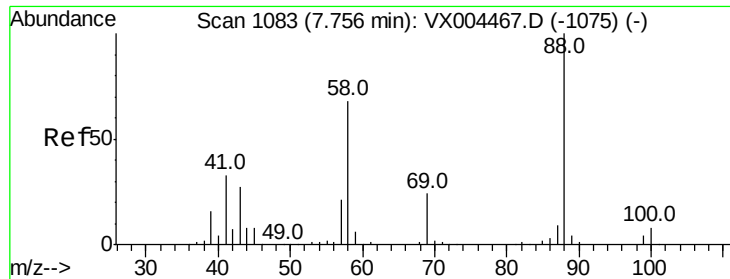


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

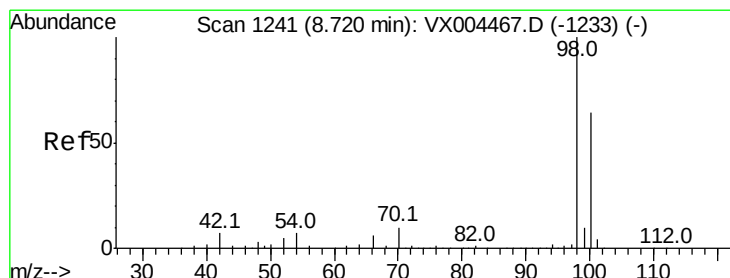
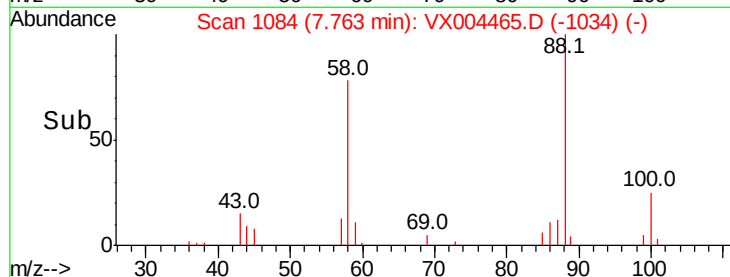
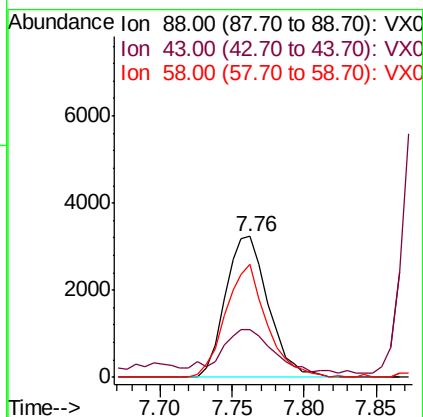
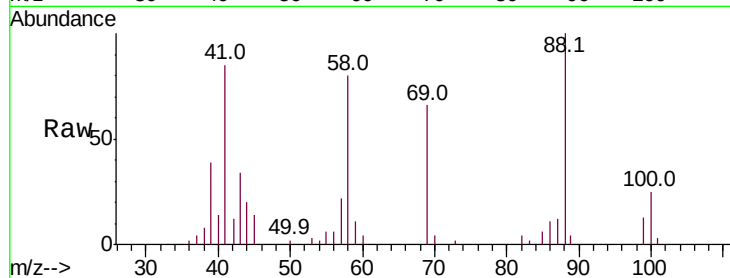




#49
1,4-Dioxane
Concen: 94.072 ug/l
RT: 7.76 min Scan# 1084
Delta R.T. 0.01 min
Lab File: VX004465.D
Acq: 11 Sep 2018 13:00

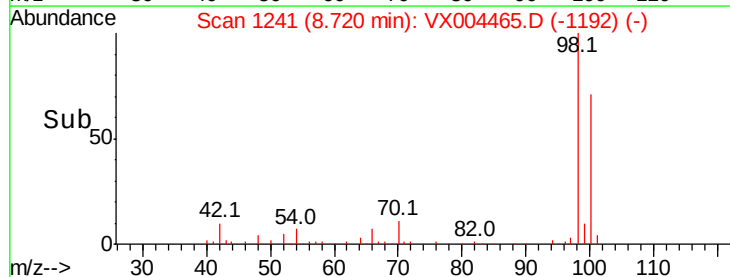
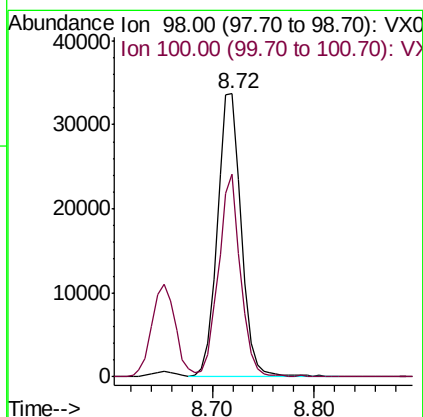
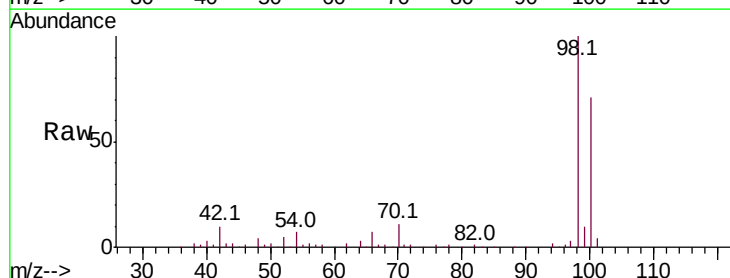
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

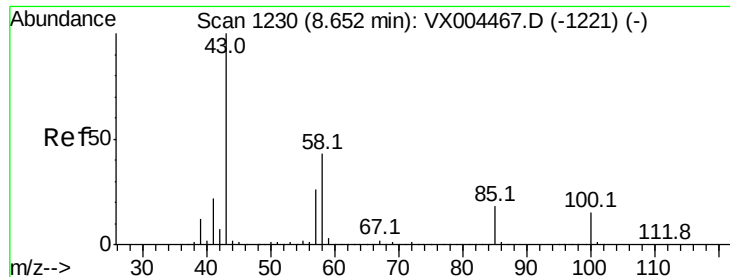
Tot Ion: 88 Resp: 6688
Ion Ratio Lower Upper
88 100
43 33.6 24.7 37.1
58 77.3 55.3 82.9



#50
Toluene-d8
Concen: 5.452 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VX004465.D
Acq: 11 Sep 2018 13:00

Tgt Ion: 98 Resp: 55368
Ion Ratio Lower Upper
98 100
100 66.1 52.9 79.3





#51

4-Methyl-2-Pentanone

Concen: 28.358 ug/l

RT: 8.65 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VX004465.D

Acq: 11 Sep 2018 13:00

Instrument :

MSVOA_X

ClientSampleId :

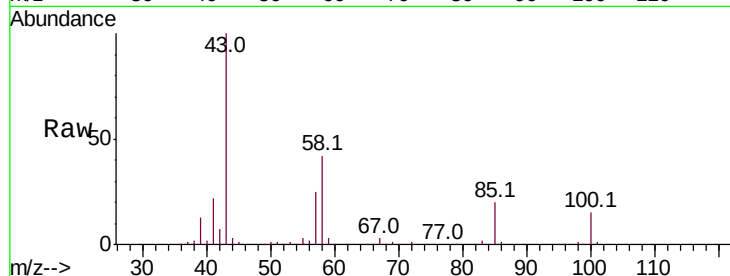
VSTDIC005

Tot Ion: 43 Resp: 121468

Ion Ratio Lower Upper

43 100

58 39.4 33.1 49.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.65

80000

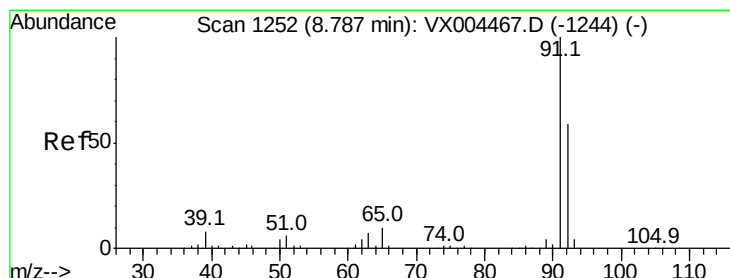
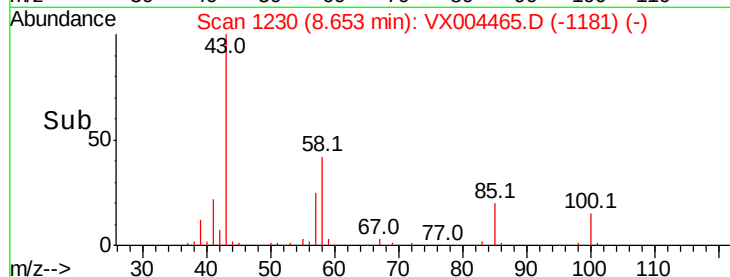
60000

40000

20000

0

Time-->



#52

Toluene

Concen: 5.220 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX004465.D

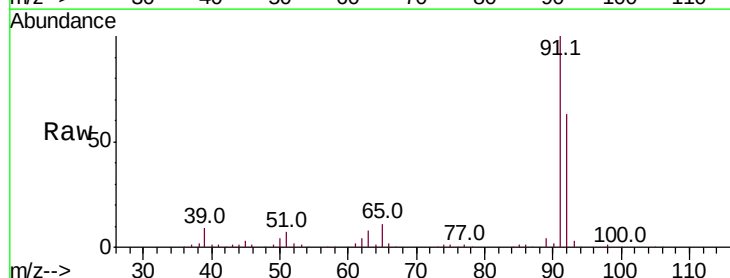
Acq: 11 Sep 2018 13:00

Tgt Ion: 92 Resp: 36664

Ion Ratio Lower Upper

92 100

91 185.8 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

50000

40000

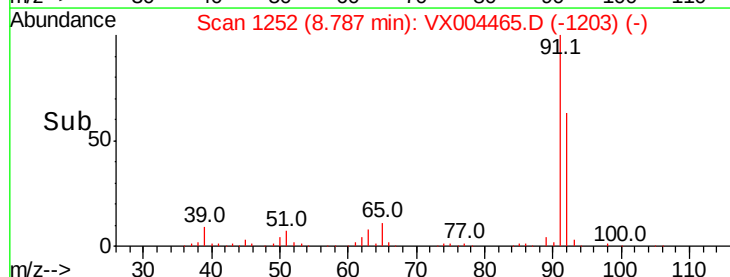
30000

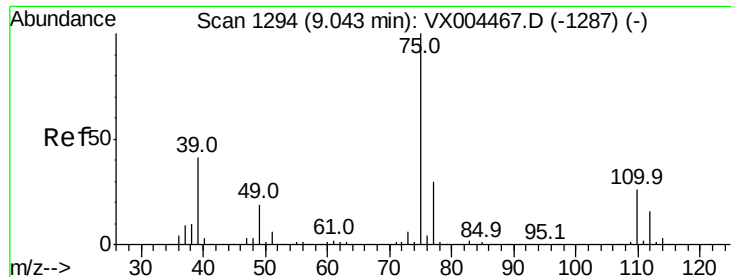
20000

10000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 4.806 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX004465.D

Acq: 11 Sep 2018 13:00

Instrument :

MSVOA_X

ClientSampleId :

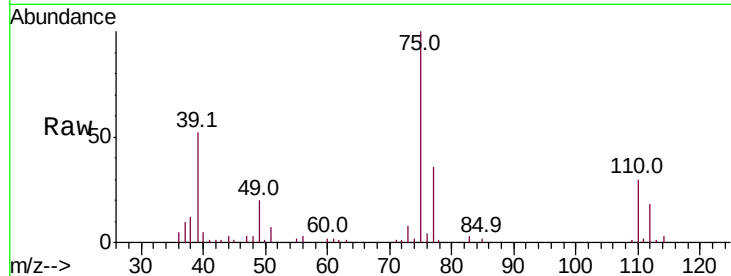
VSTDIC005

Tot Ion: 75 Resp: 19240

Ion Ratio Lower Upper

75 100

77 36.5 24.6 37.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

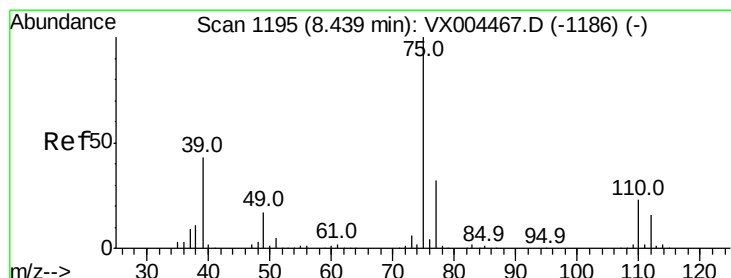
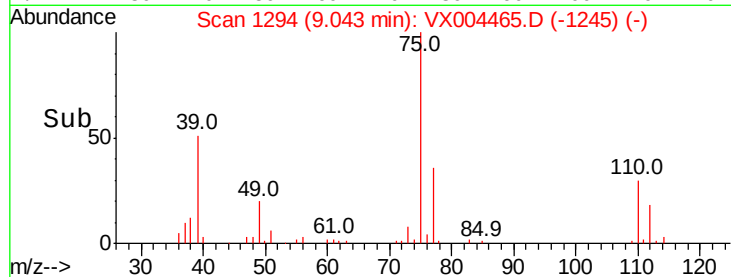
9.04

10000

5000

0

Time--> 8.95 9.00 9.05 9.10 9.15



#54

cis-1,3-Dichloropropene

Concen: 4.764 ug/l

RT: 8.44 min Scan# 1195

Delta R.T. 0.00 min

Lab File: VX004465.D

Acq: 11 Sep 2018 13:00

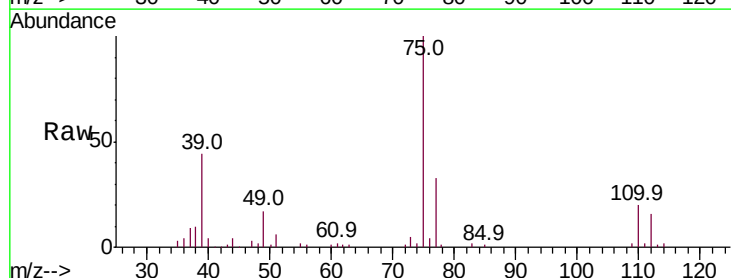
Tgt Ion: 75 Resp: 19442

Ion Ratio Lower Upper

75 100

77 33.1 26.2 39.2

39 44.0 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

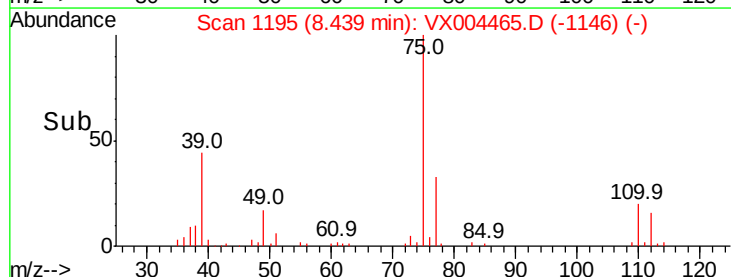
15000

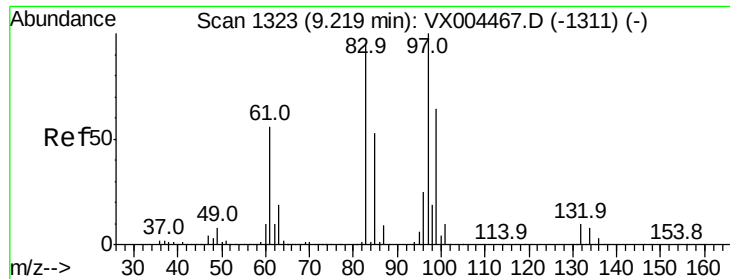
10000

5000

0

Time--> 8.35 8.40 8.45 8.50

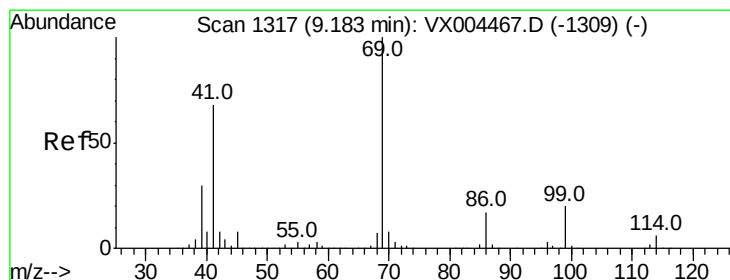
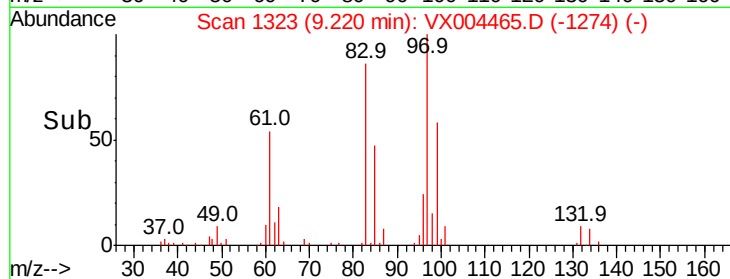
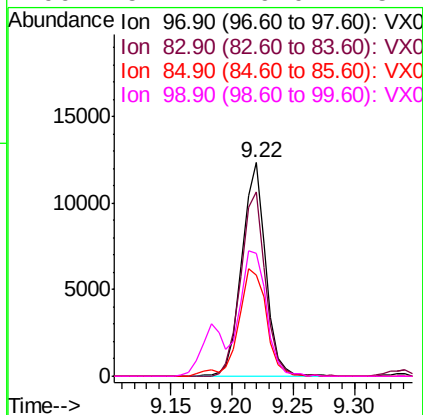
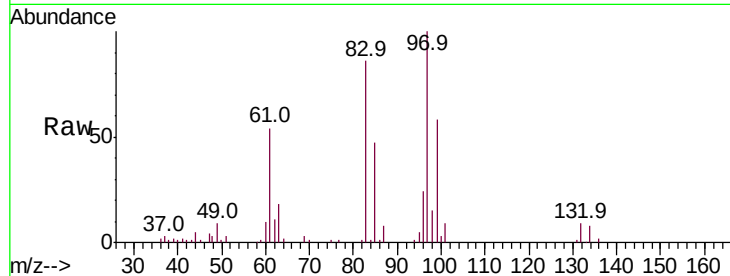




#55
 1,1,2-Trichloroethane
 Concen: 5.506 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VX004465.D
 Acq: 11 Sep 2018 13:00

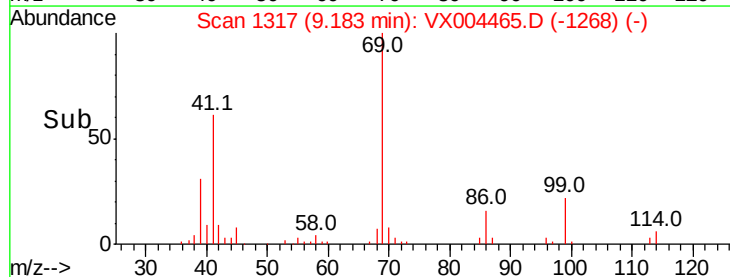
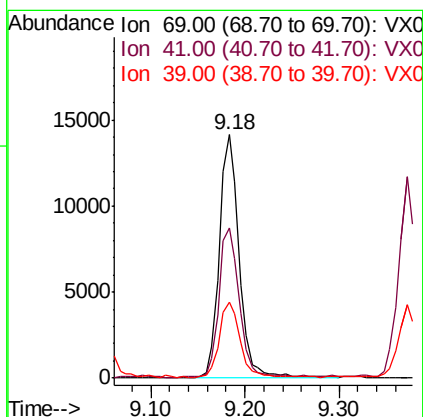
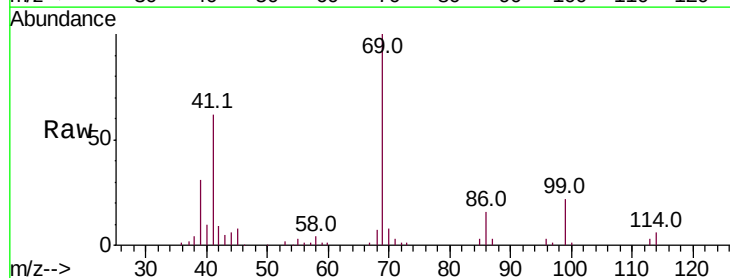
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

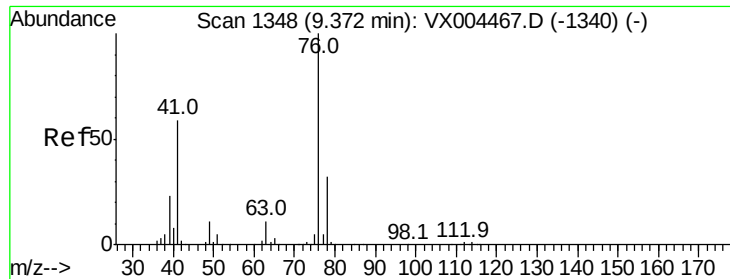
Tot Ion:	97	Resp:	16653
Ion	Ratio	Lower	Upper
97	100		
83	86.4	66.4	99.6
85	47.5	43.3	64.9
99	57.7	49.0	73.4



#56
 Ethyl methacrylate
 Concen: 4.836 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VX004465.D
 Acq: 11 Sep 2018 13:00

Tgt Ion:	69	Resp:	20692
Ion	Ratio	Lower	Upper
69	100		
41	64.5	51.0	76.4
39	33.5	26.1	39.1

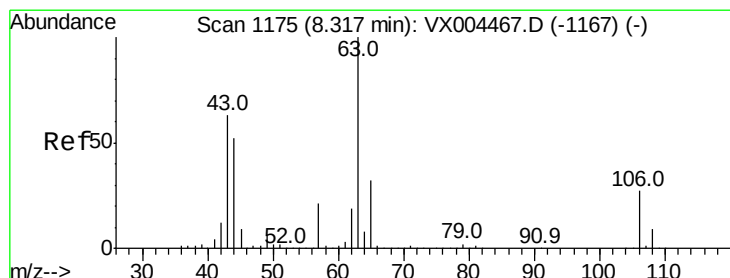
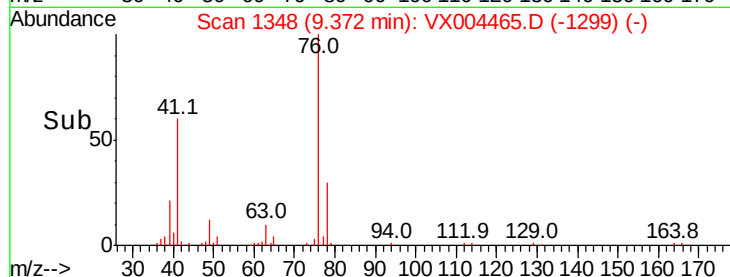
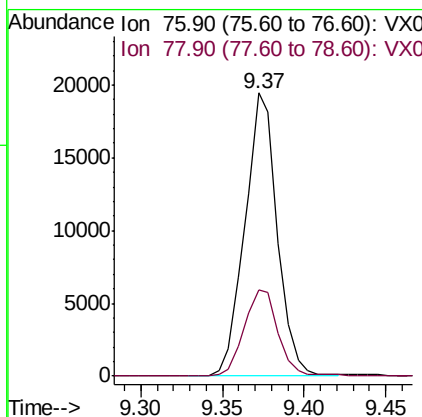
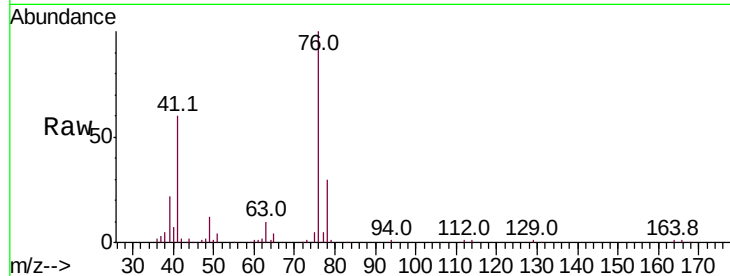




#57
 1,3-Dichloropropane
 Concen: 5.486 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX004465.D
 Acq: 11 Sep 2018 13:00

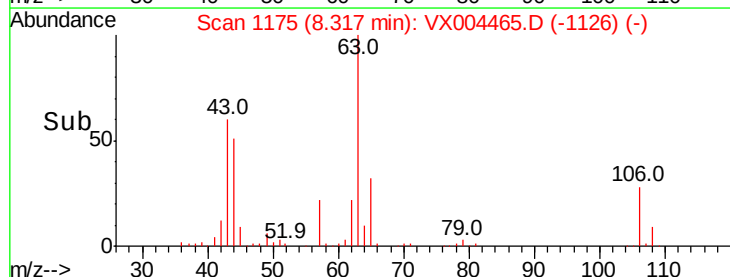
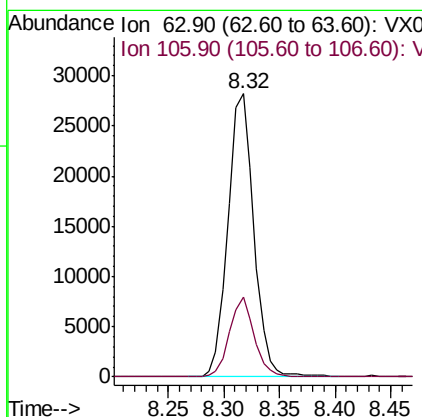
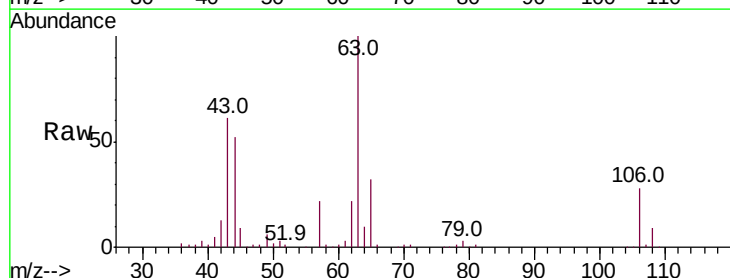
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

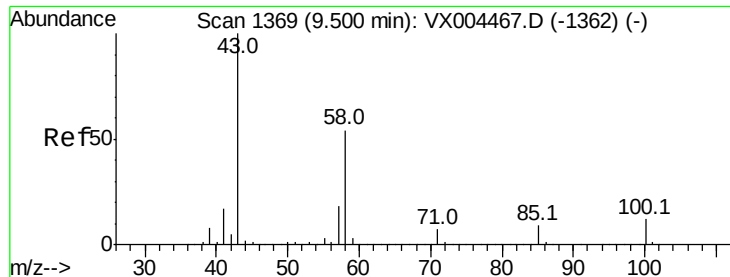
Tot Ion: 76 Resp: 26957
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 23.195 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: VX004465.D
 Acq: 11 Sep 2018 13:00

Tgt Ion: 63 Resp: 45527
 Ion Ratio Lower Upper
 63 100
 106 26.9 23.9 35.9

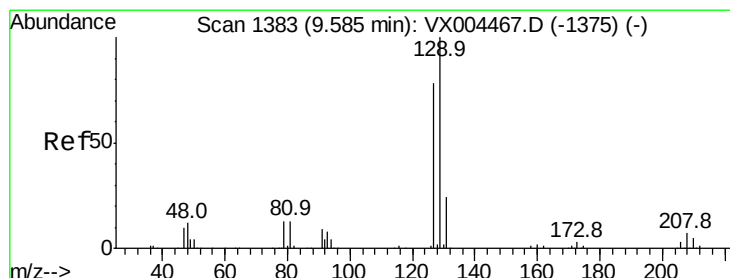
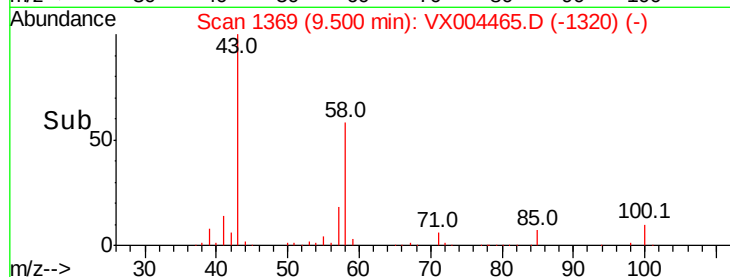
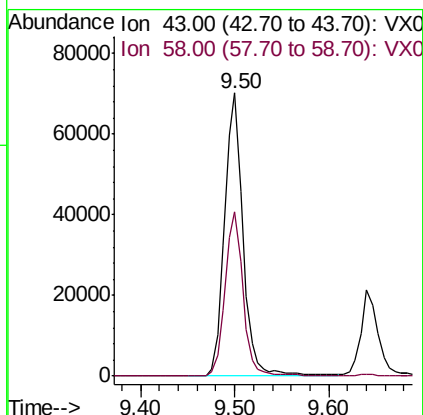
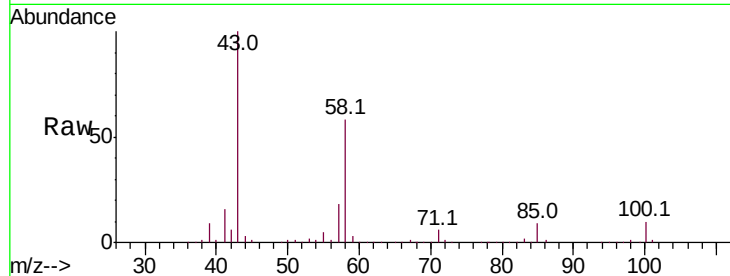




#59
2-Hexanone
Concen: 29.083 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VX004465.D
Acq: 11 Sep 2018 13:00

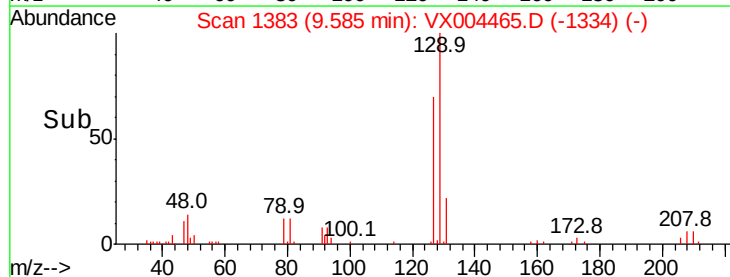
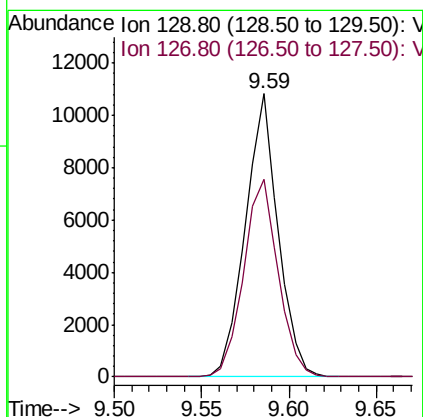
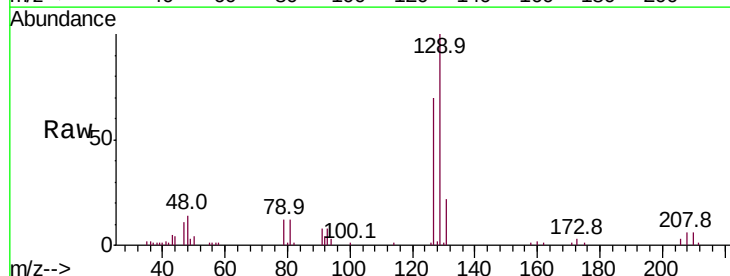
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

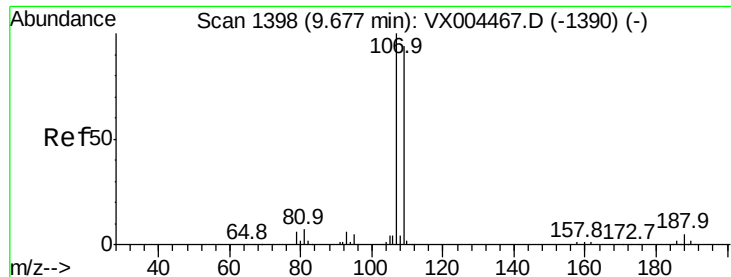
Tot Ion: 43 Resp: 95550
Ion Ratio Lower Upper
43 100
58 56.6 29.0 87.0



#60
Dibromochloromethane
Concen: 4.939 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX004465.D
Acq: 11 Sep 2018 13:00

Tgt Ion: 129 Resp: 14063
Ion Ratio Lower Upper
129 100
127 73.3 38.5 115.5





#61

1,2-Dibromoethane

Concen: 4.914 ug/l

RT: 9.68 min Scan# 1398

Delta R.T. 0.00 min

Lab File: VX004465.D

Acq: 11 Sep 2018 13:00

Instrument :

MSVOA_X

ClientSampleId :

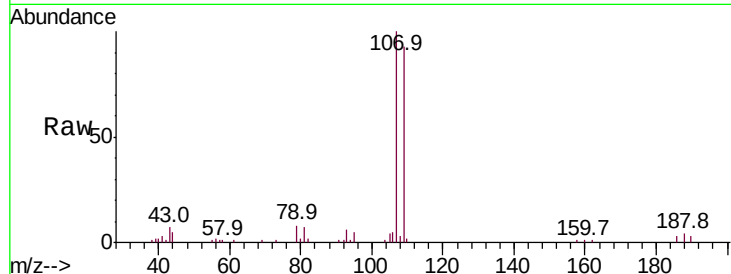
VSTDIC005

Tot Ion:107 Resp: 14198

Ion Ratio Lower Upper

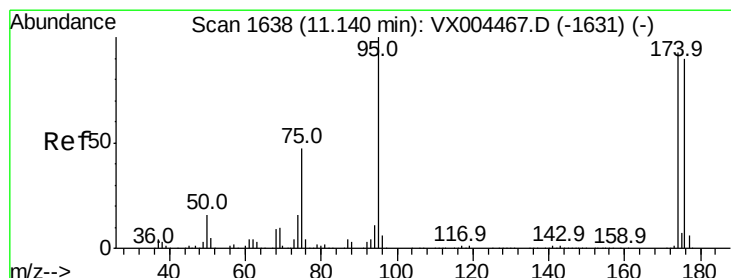
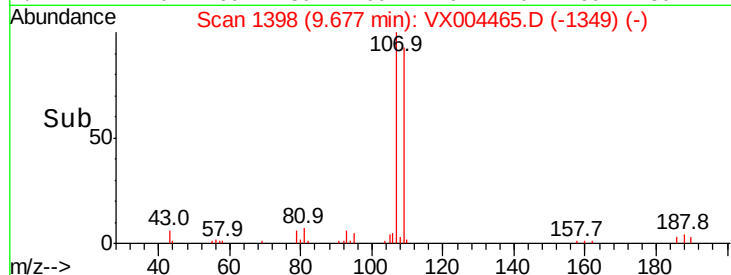
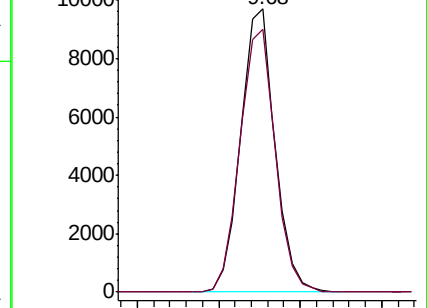
107 100

109 95.6 76.0 114.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 5.014 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX004465.D

Acq: 11 Sep 2018 13:00

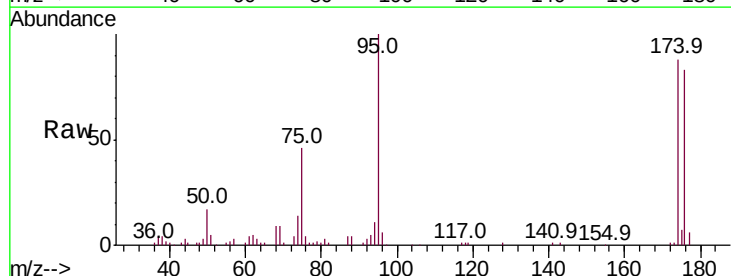
Tgt Ion: 95 Resp: 18178

Ion Ratio Lower Upper

95 100

174 91.4 0.0 185.2

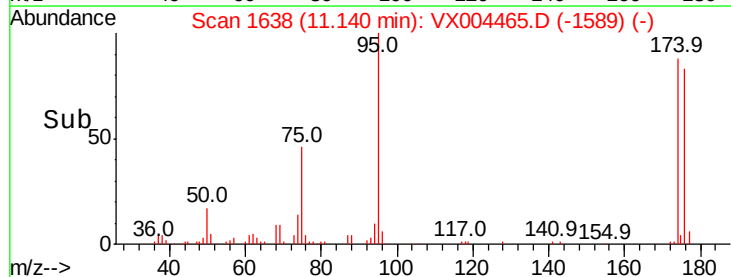
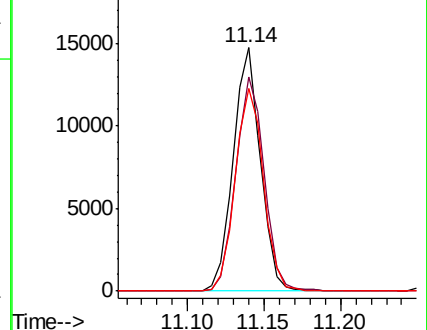
176 86.2 0.0 178.6

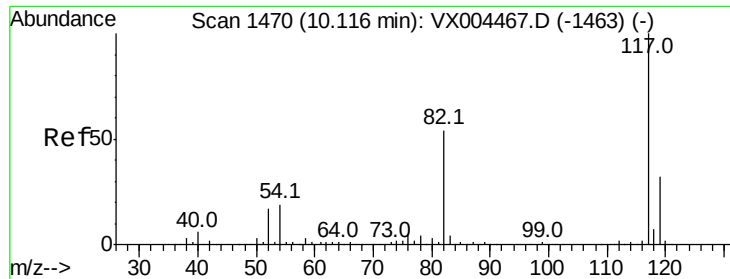


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

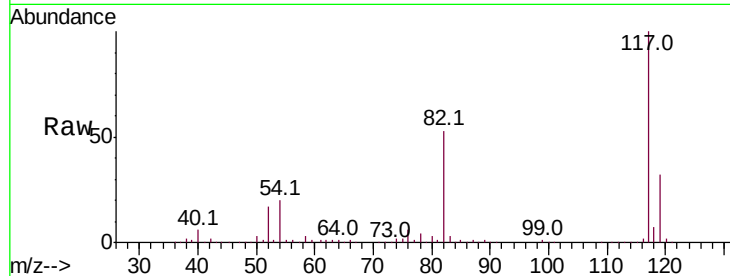




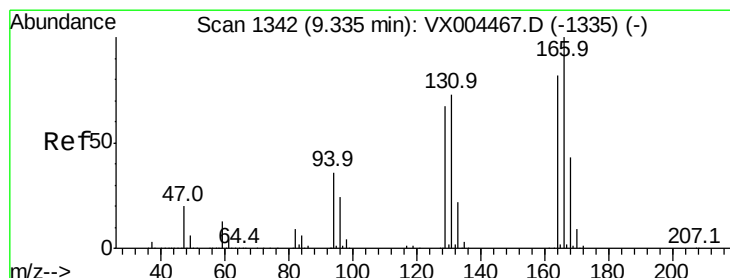
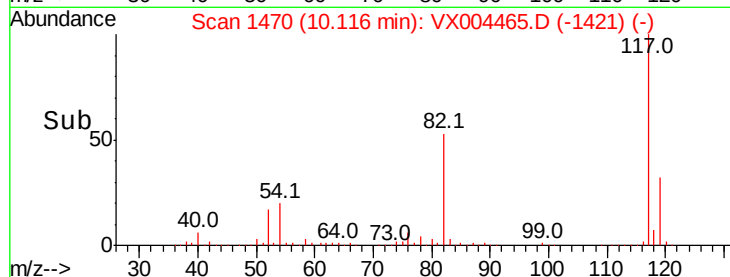
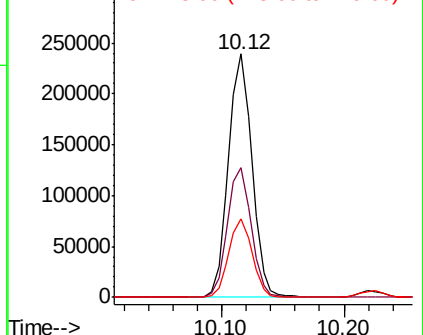
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004465.D
Acq: 11 Sep 2018 13:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:117 Resp: 318241
Ion Ratio Lower Upper
117 100
82 53.2 47.8 71.6
119 32.3 29.3 43.9

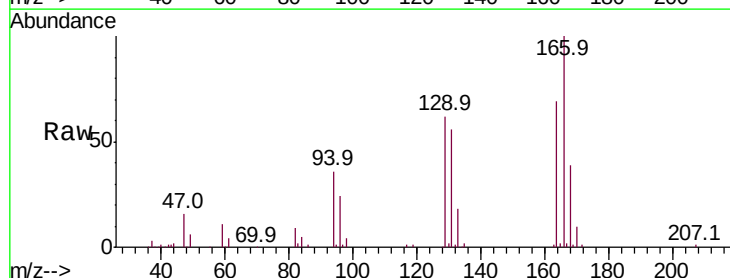


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

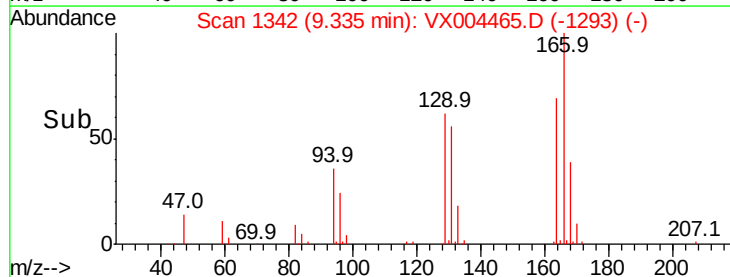
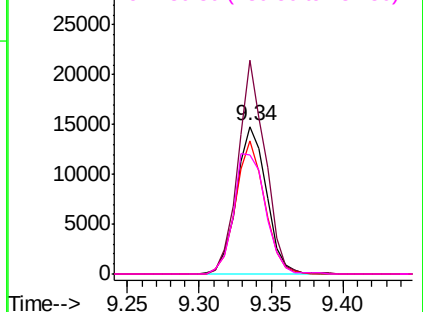


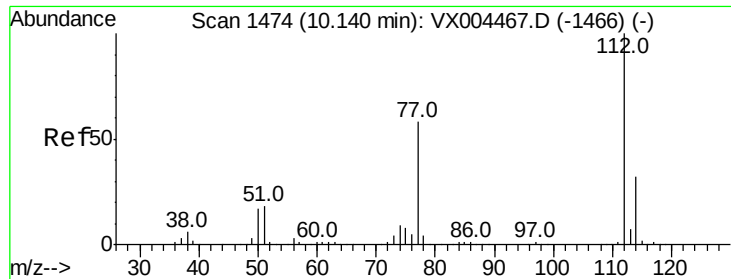
#64
Tetrachloroethene
Concen: 5.406 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX004465.D
Acq: 11 Sep 2018 13:00

Tgt Ion:164 Resp: 21479
Ion Ratio Lower Upper
164 100
166 144.8 102.8 154.2
129 90.2 69.4 104.0
131 80.8 67.9 101.9



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

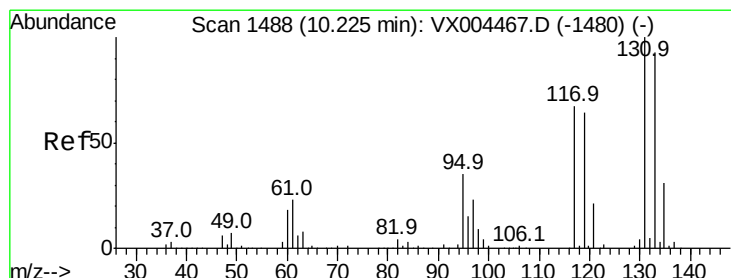
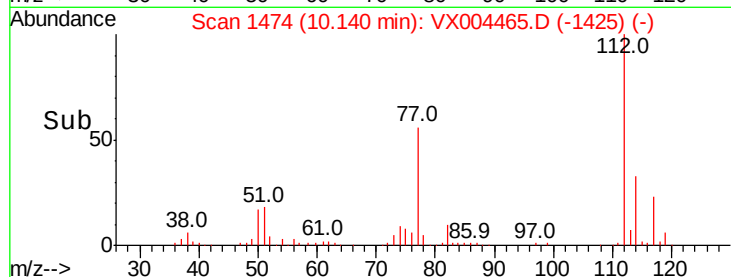
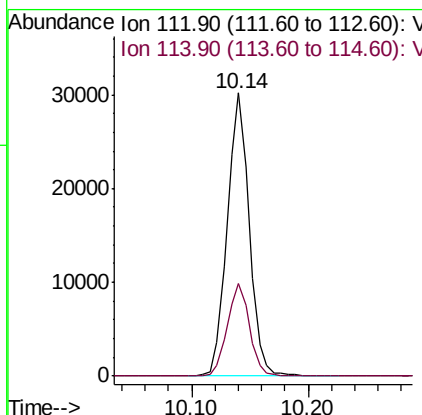
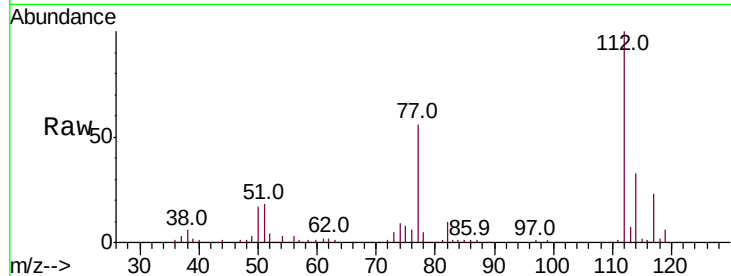




#65
 Chlorobenzene
 Concen: 5.008 ug/l
 RT: 10.14 min Scan# 1474
 Delta R.T. 0.00 min
 Lab File: VX004465.D
 Acq: 11 Sep 2018 13:00

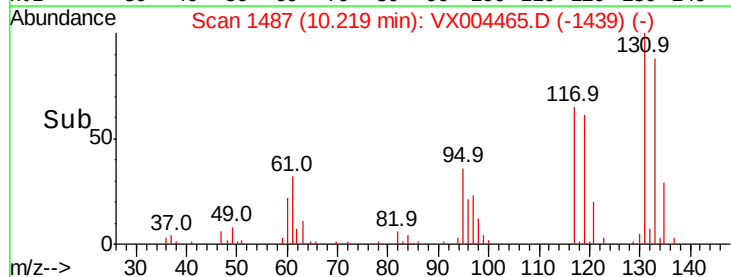
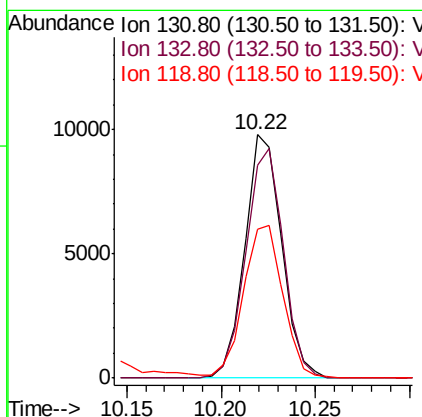
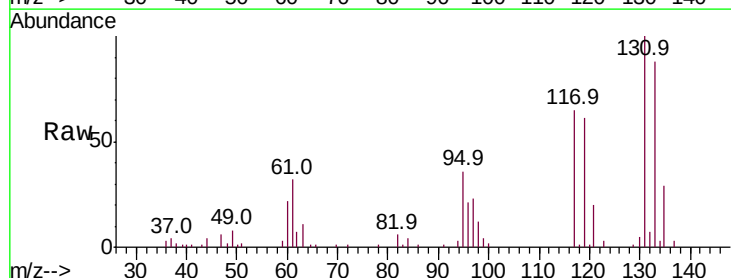
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

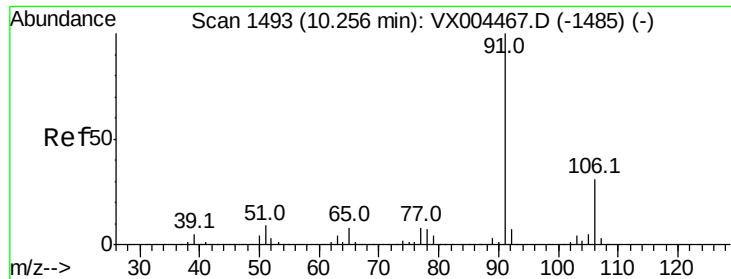
Tot Ion:112 Resp: 39591
 Ion Ratio Lower Upper
 112 100
 114 32.7 27.8 41.8



#66
 1,1,1,2-Tetrachloroethane
 Concen: 4.870 ug/l
 RT: 10.22 min Scan# 1487
 Delta R.T. -0.01 min
 Lab File: VX004465.D
 Acq: 11 Sep 2018 13:00

Tgt Ion:131 Resp: 13276
 Ion Ratio Lower Upper
 131 100
 133 96.0 48.1 144.4
 119 67.7 32.9 98.6

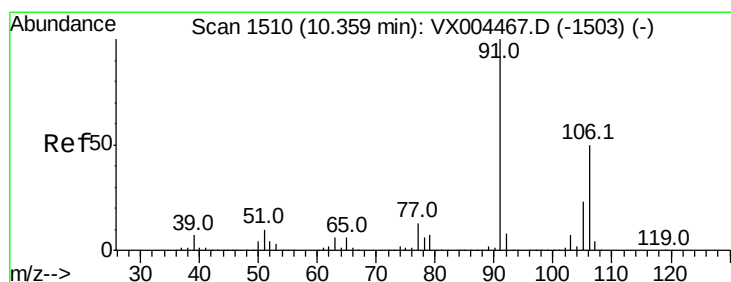
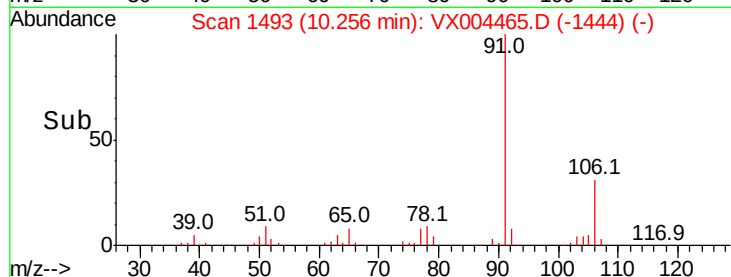
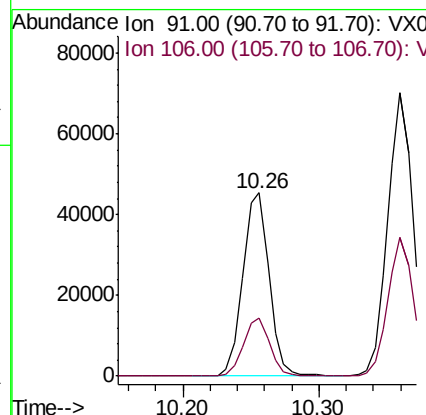
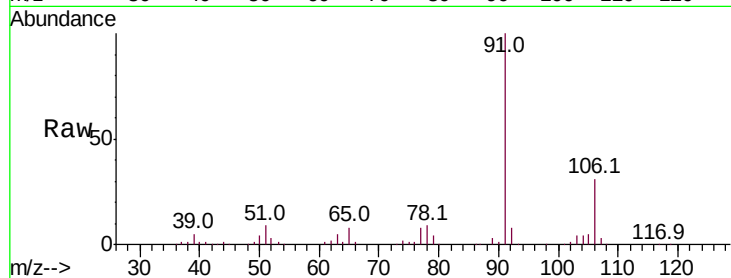




#67
Ethyl Benzene
Concen: 4.740 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VX004465.D
Acq: 11 Sep 2018 13:00

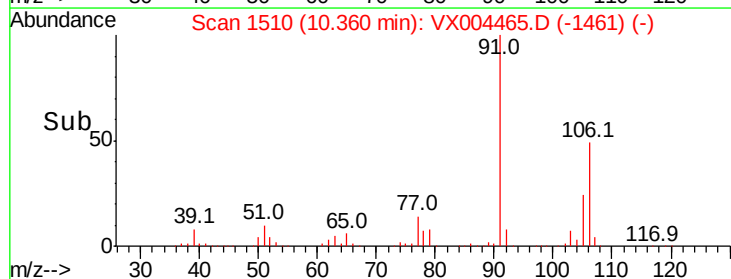
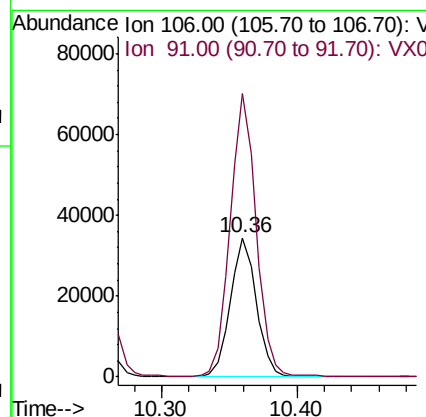
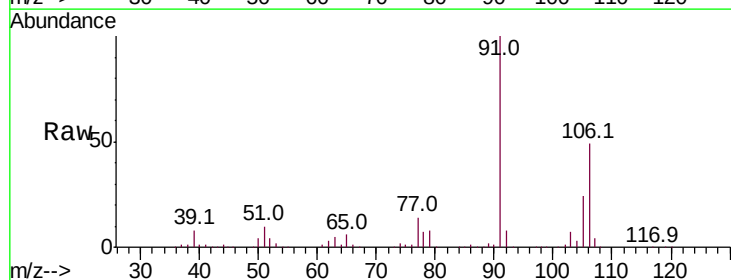
Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

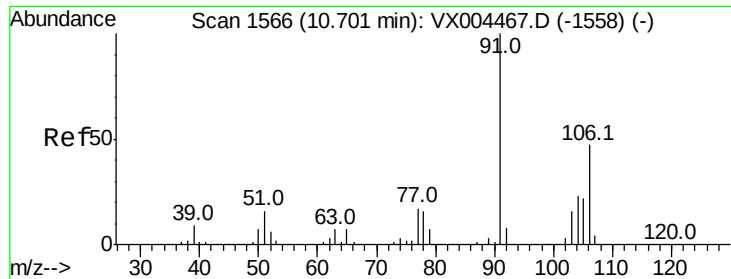
Tot Ion: 91 Resp: 60922
Ion Ratio Lower Upper
91 100
106 31.5 25.9 38.9



#68
m/p-Xylenes
Concen: 9.262 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX004465.D
Acq: 11 Sep 2018 13:00

Tgt Ion: 106 Resp: 45857
Ion Ratio Lower Upper
106 100
91 201.6 157.1 235.7

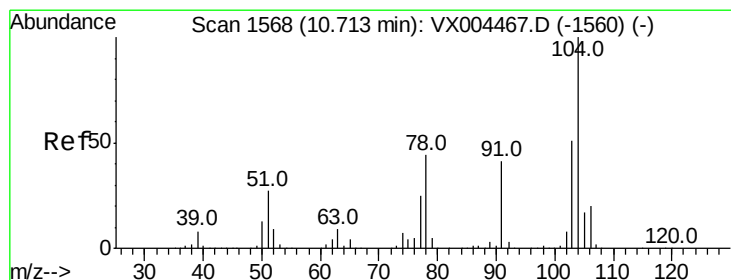
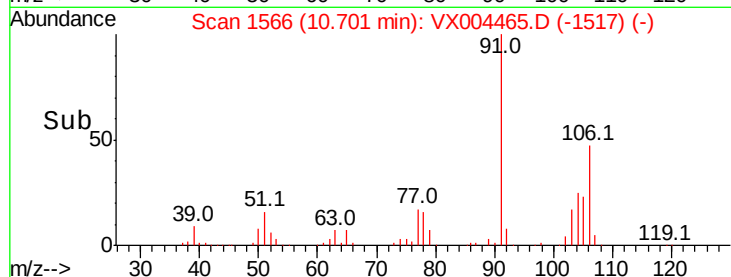
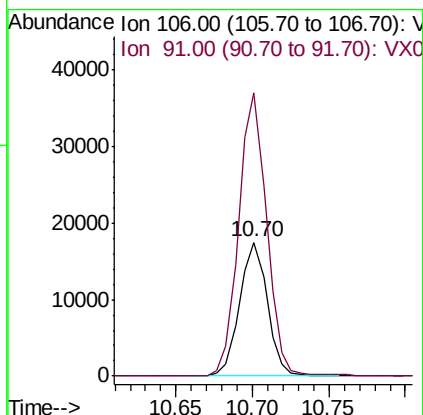
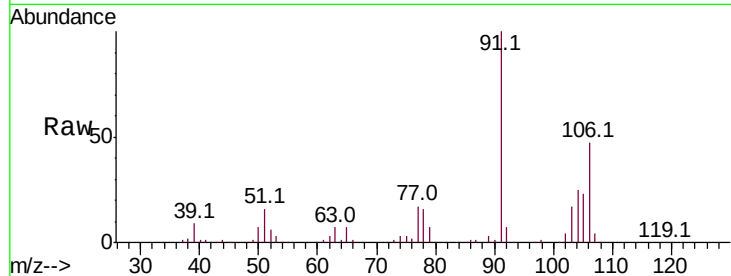




#69
o-Xylene
Concen: 4.632 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX004465.D
Acq: 11 Sep 2018 13:00

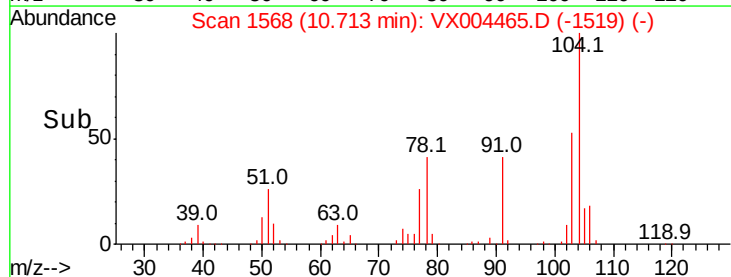
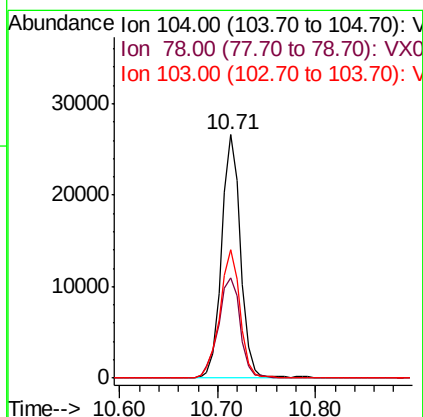
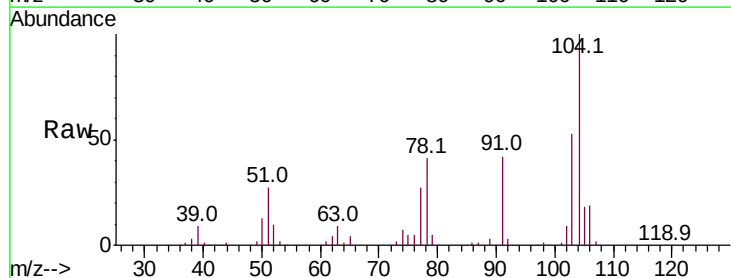
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

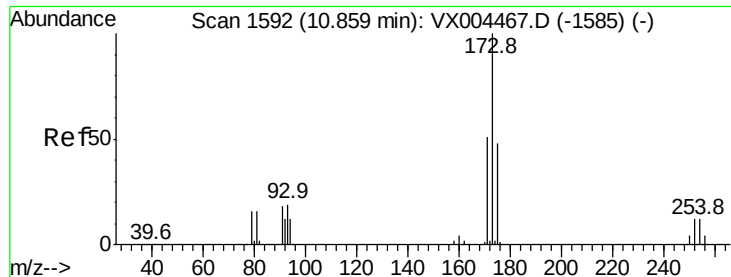
Tot Ion:106 Resp: 22047
Ion Ratio Lower Upper
106 100
91 213.5 105.1 315.1



#70
Styrene
Concen: 4.530 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX004465.D
Acq: 11 Sep 2018 13:00

Tgt Ion:104 Resp: 35723
Ion Ratio Lower Upper
104 100
78 47.8 37.4 56.0
103 56.3 43.8 65.6





#71

Bromoform

Concen: 4.415 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX004465.D

Acq: 11 Sep 2018 13:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

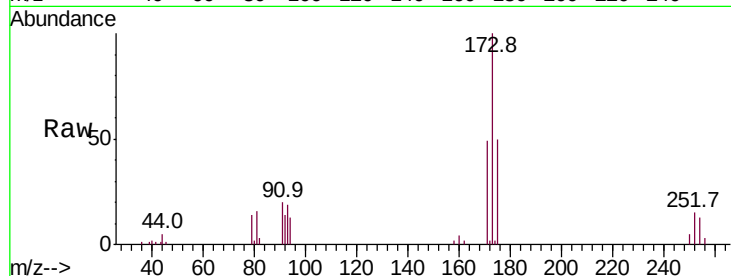
Tot Ion:173 Resp: 9882

Ion Ratio Lower Upper

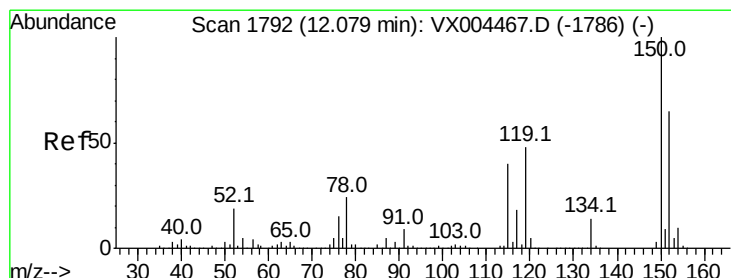
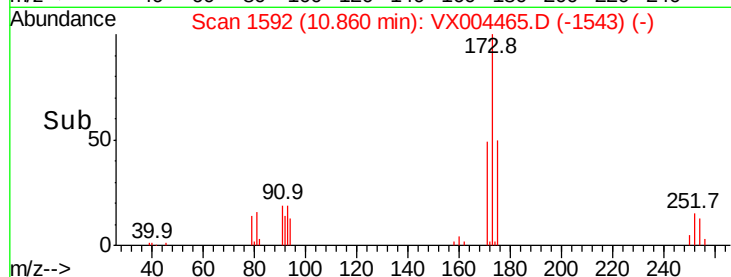
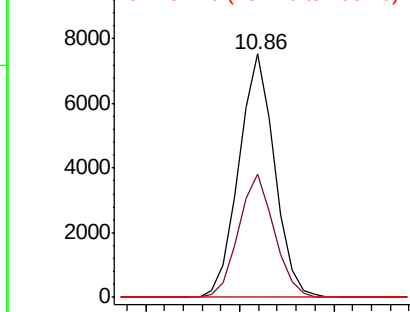
173 100

175 50.2 24.1 72.3

254 0.0 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: VX004465.D

Acq: 11 Sep 2018 13:00

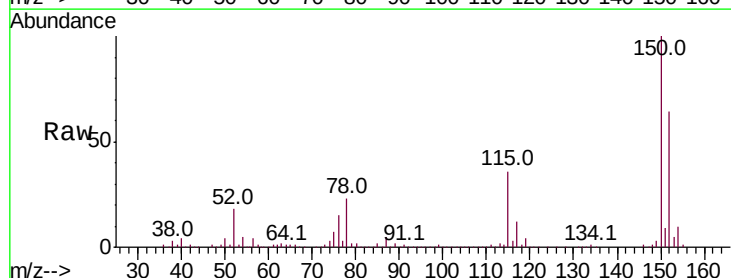
Tgt Ion:152 Resp: 185901

Ion Ratio Lower Upper

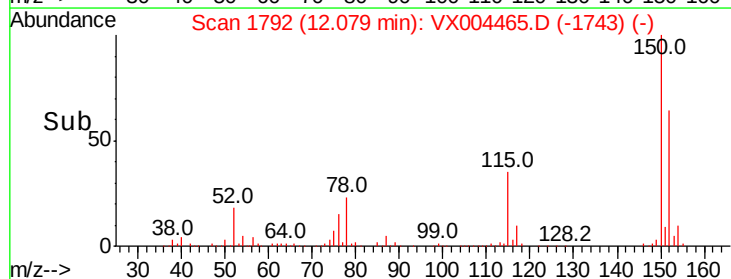
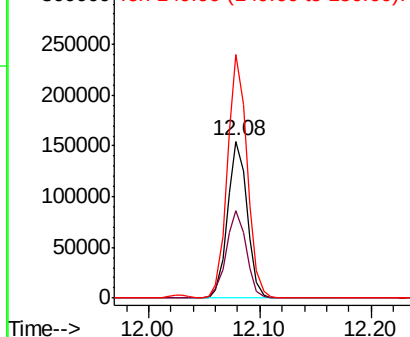
152 100

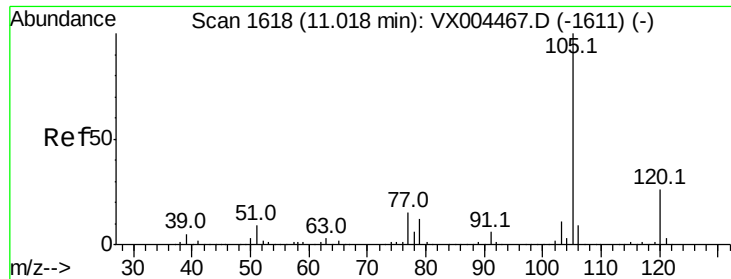
115 57.9 39.0 117.0

150 157.3 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: 4.797 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX004465.D

Acq: 11 Sep 2018 13:00

Instrument :

MSVOA_X

ClientSampleId :

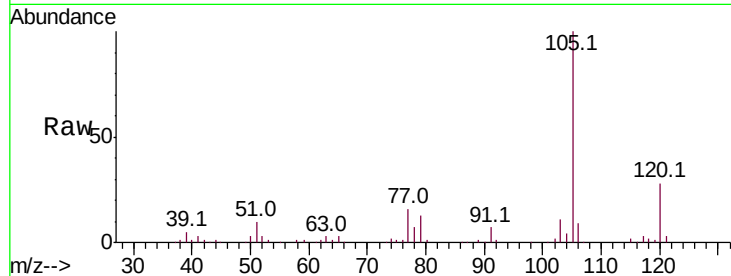
VSTDIC005

Tot Ion:105 Resp: 58728

Ion Ratio Lower Upper

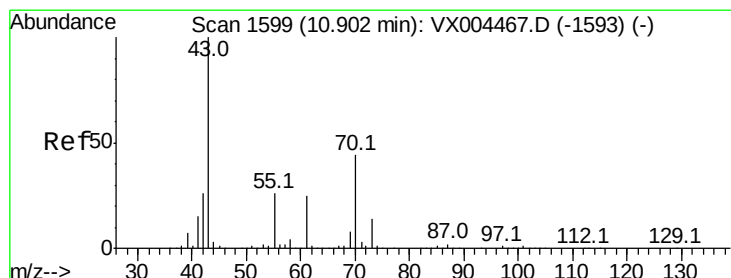
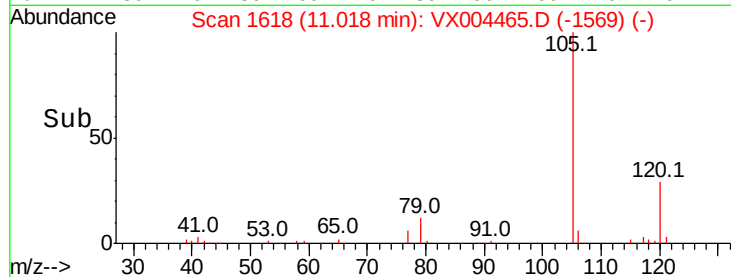
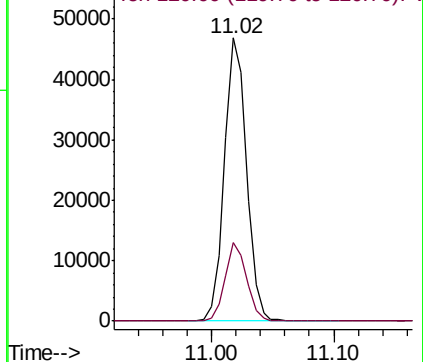
105 100

120 26.9 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-amyl acetate

Concen: 4.542 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VX004465.D

Acq: 11 Sep 2018 13:00

Tgt Ion: 43 Resp: 23405

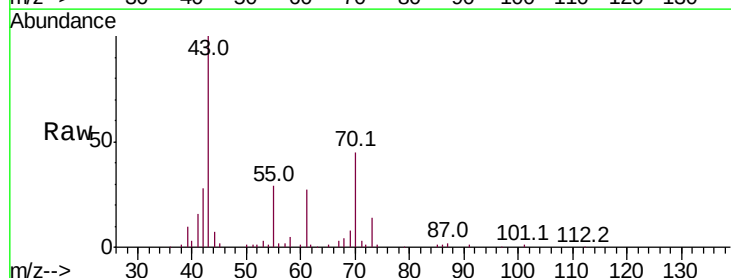
Ion Ratio Lower Upper

43 100

70 42.2 37.4 56.0

55 27.9 21.8 32.8

61 23.7 20.6 30.8

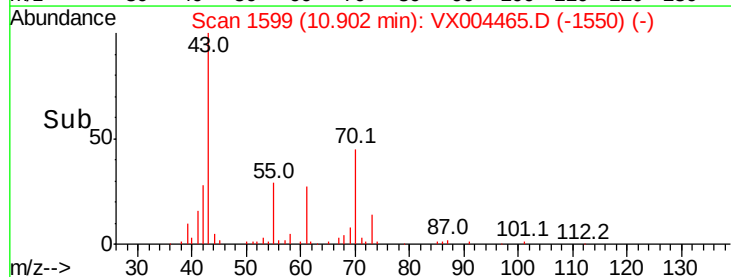
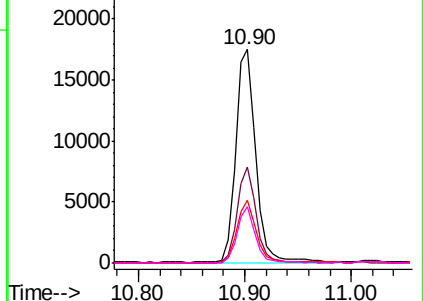


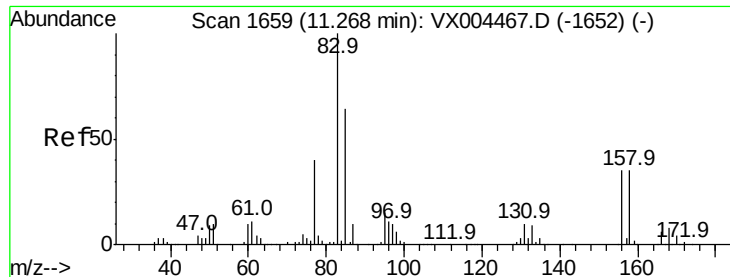
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 4.972 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX004465.D

Acq: 11 Sep 2018 13:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

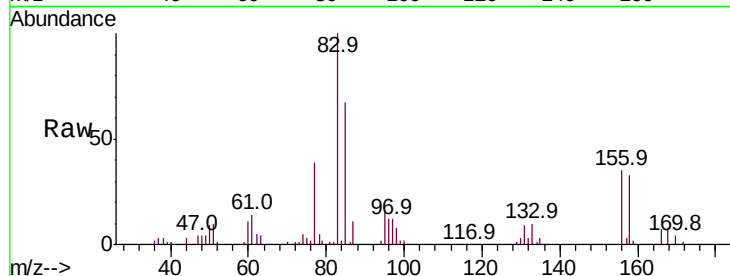
Tot Ion: 83 Resp: 19636

Ion Ratio Lower Upper

83 100

131 10.1 5.2 15.6

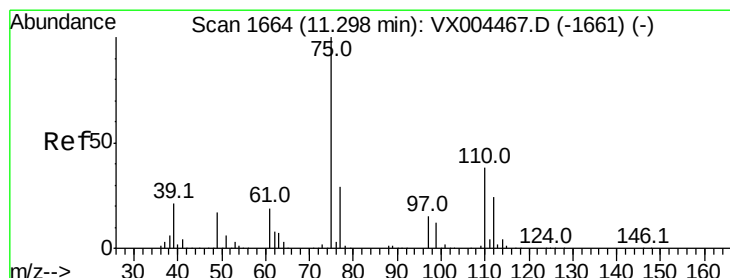
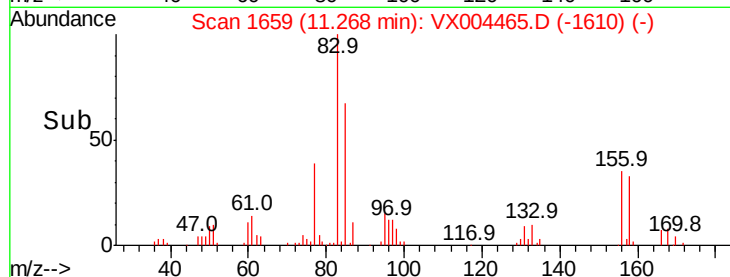
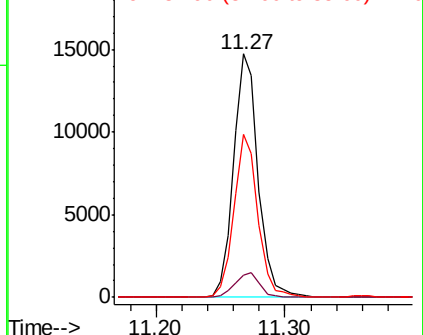
85 65.0 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 6.420 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VX004465.D

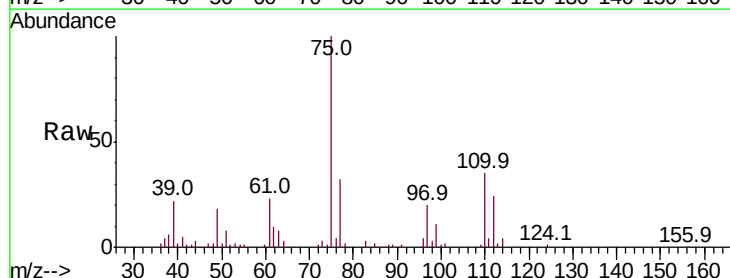
Acq: 11 Sep 2018 13:00

Tgt Ion: 75 Resp: 23322

Ion Ratio Lower Upper

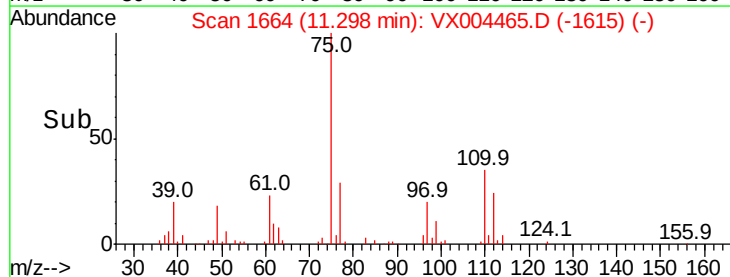
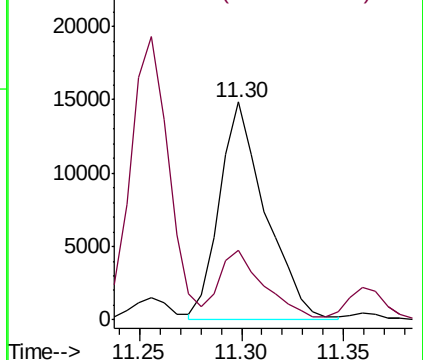
75 100

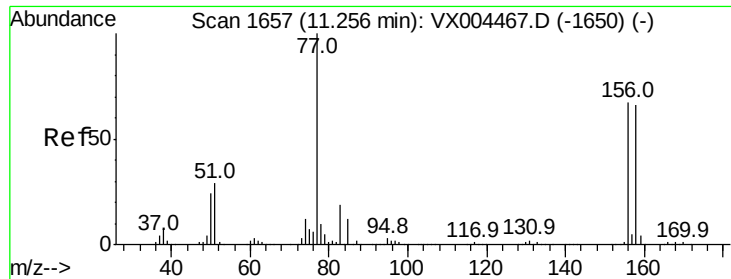
77 31.4 20.2 60.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 4.966 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX004465.D

Acq: 11 Sep 2018 13:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

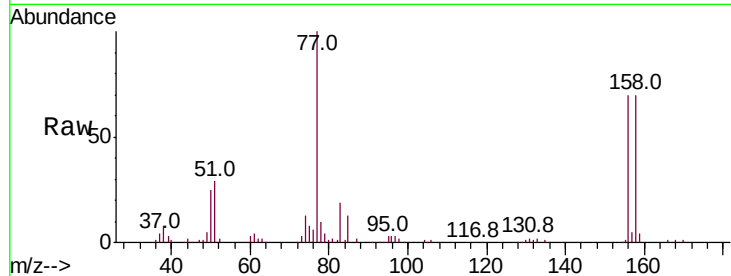
Tot Ion:156 Resp: 16805

Ion Ratio Lower Upper

156 100

77 149.5 71.5 214.3

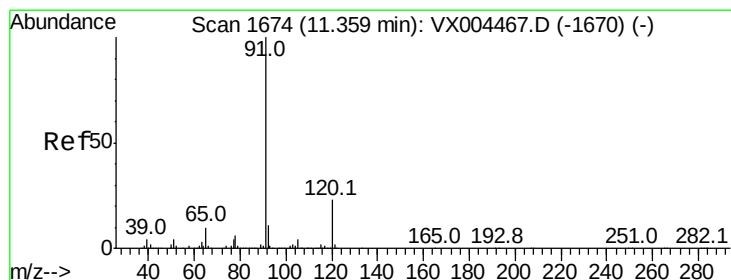
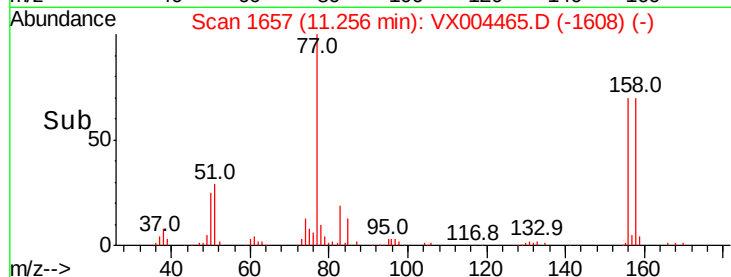
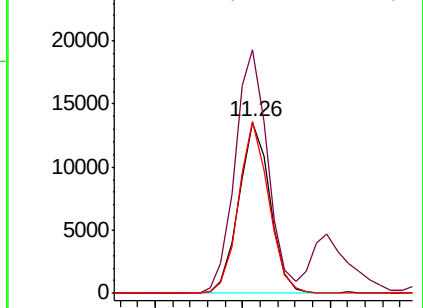
158 97.4 48.9 146.8



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: 4.749 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX004465.D

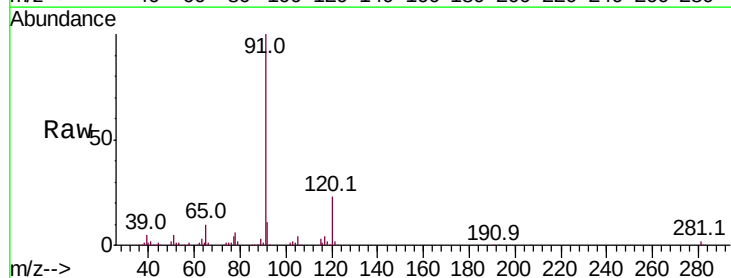
Acq: 11 Sep 2018 13:00

Tgt Ion: 91 Resp: 66853

Ion Ratio Lower Upper

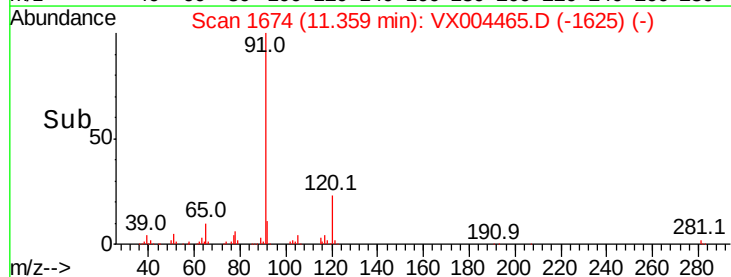
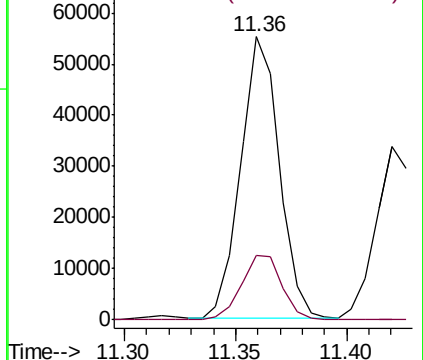
91 100

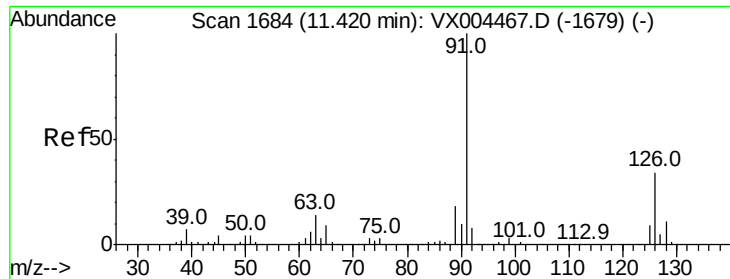
120 24.0 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 4.923 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX004465.D

Acq: 11 Sep 2018 13:00

Instrument :

MSVOA_X

ClientSampleId :

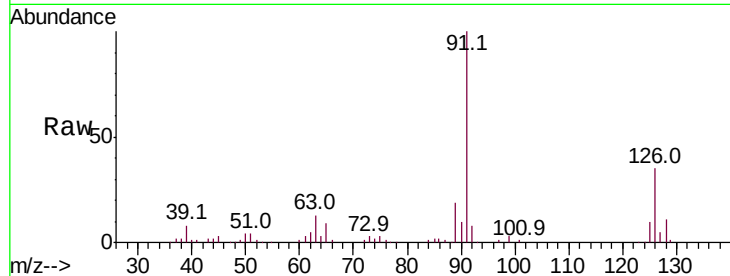
VSTDIC005

Tot Ion: 91 Resp: 42028

Ion Ratio Lower Upper

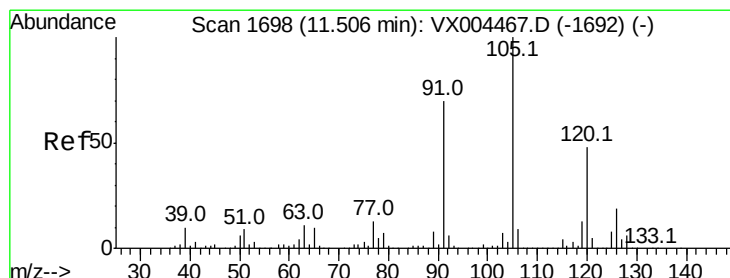
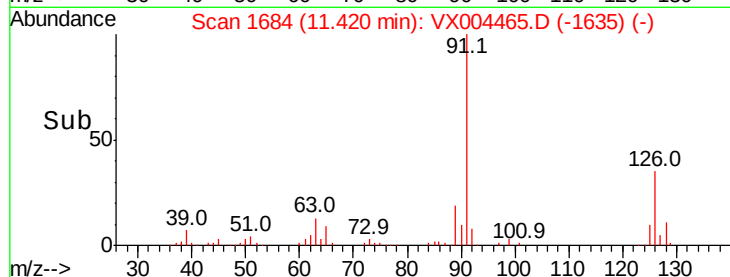
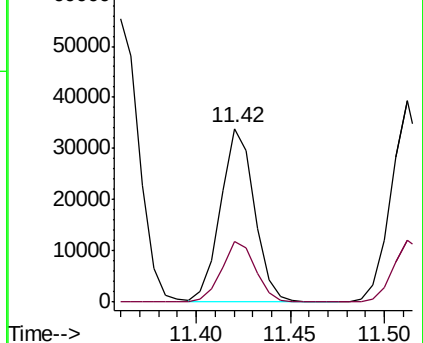
91 100

126 35.2 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VX004467.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX004467.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 4.767 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX004465.D

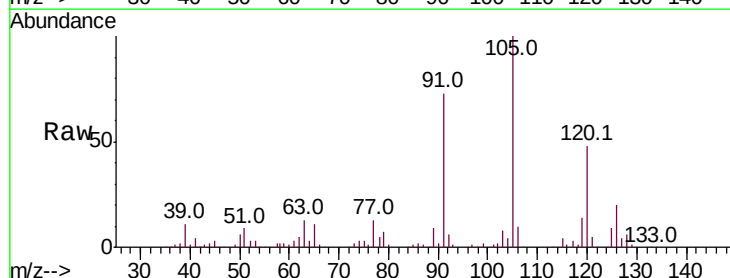
Acq: 11 Sep 2018 13:00

Tgt Ion:105 Resp: 49069

Ion Ratio Lower Upper

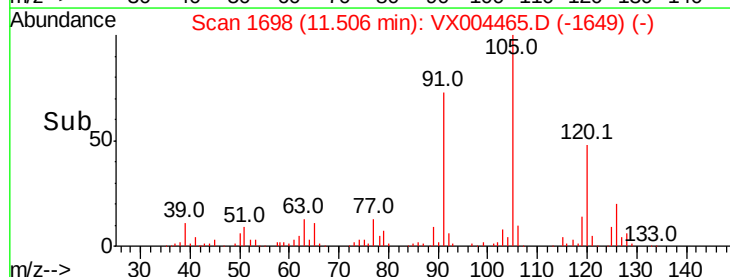
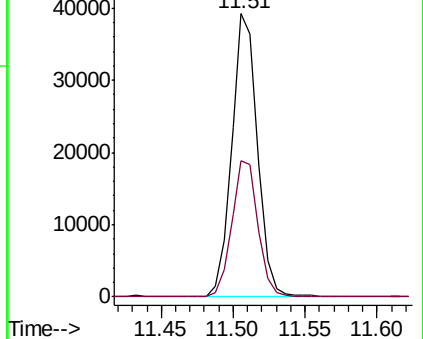
105 100

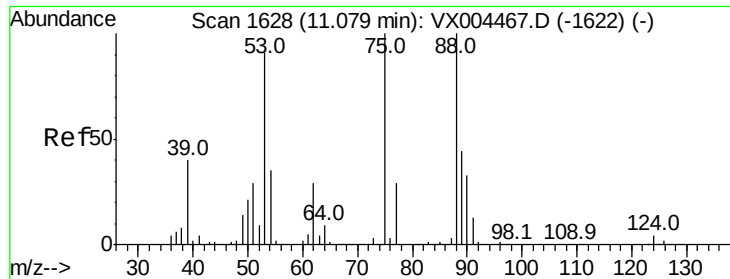
120 49.0 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): VX004467.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX004467.D (-1692) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 4.028 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.01 min

Lab File: VX004465.D

Acq: 11 Sep 2018 13:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

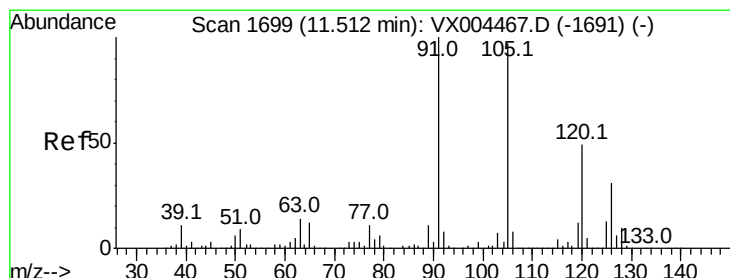
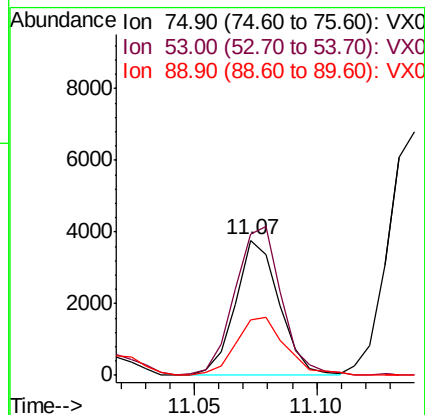
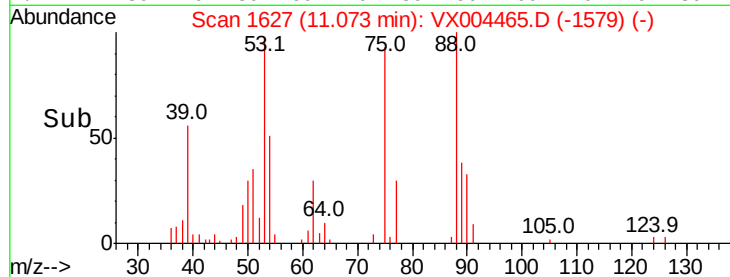
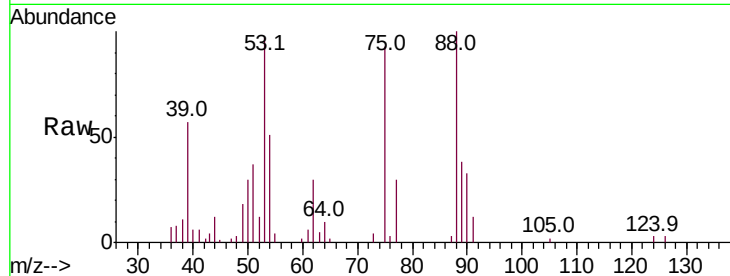
Tot Ion: 75 Resp: 4726

Ion Ratio Lower Upper

75 100

53 116.9 80.1 120.1

89 48.7 37.2 55.8



#82

4-Chlorotoluene

Concen: 4.895 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX004465.D

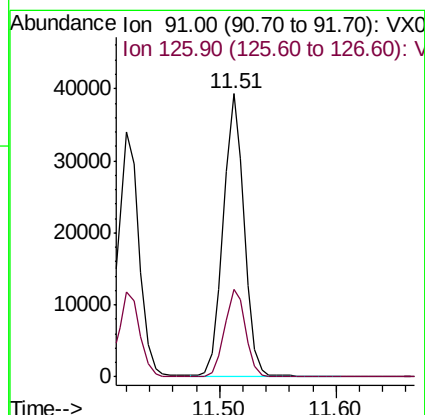
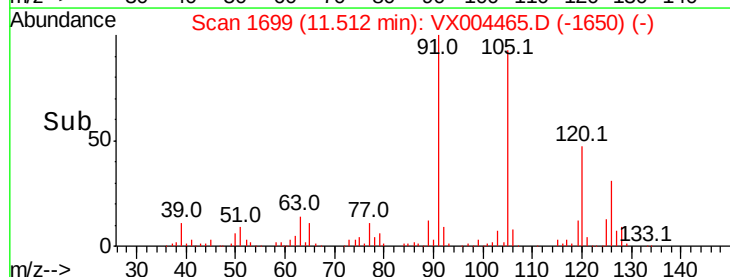
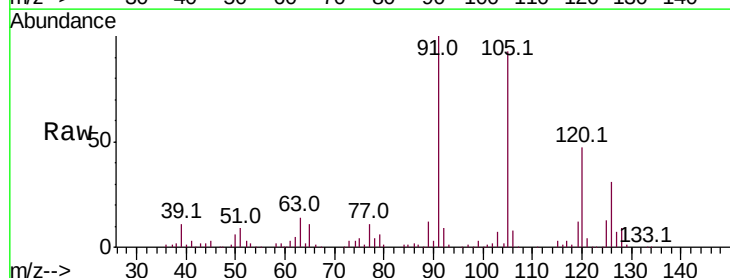
Acq: 11 Sep 2018 13:00

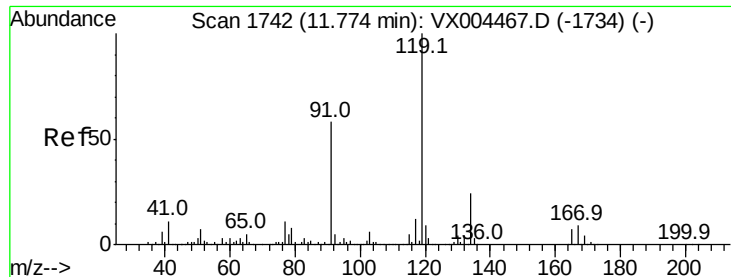
Tgt Ion: 91 Resp: 48774

Ion Ratio Lower Upper

91 100

126 31.0 15.5 46.5





#83

tert-Butylbenzene

Concen: 4.751 ug/l

RT: 11.77 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX004465.D

Acq: 11 Sep 2018 13:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

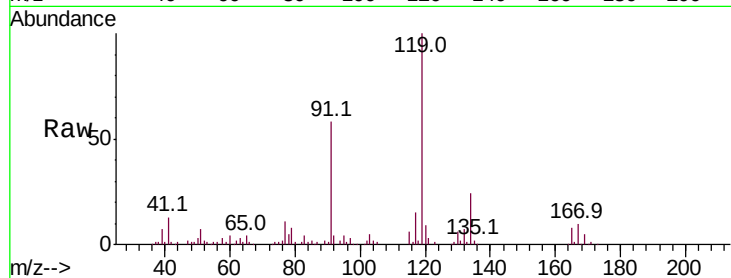
Tot Ion:119 Resp: 46551

Ion Ratio Lower Upper

119 100

91 59.2 27.0 81.0

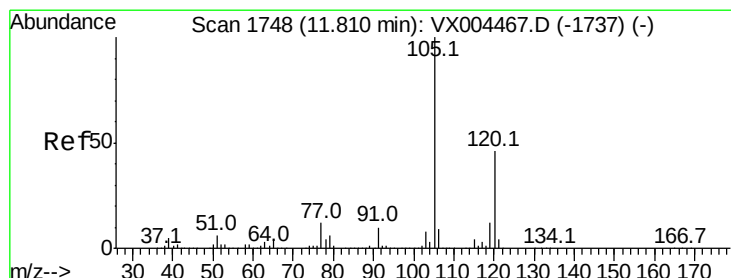
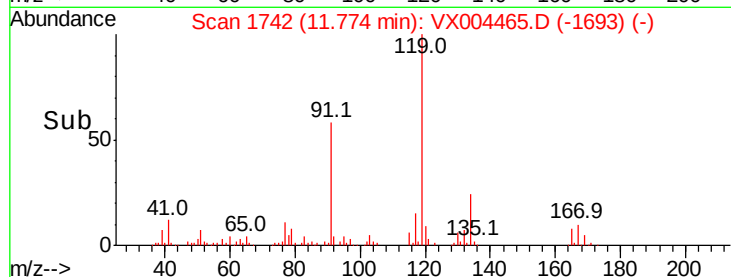
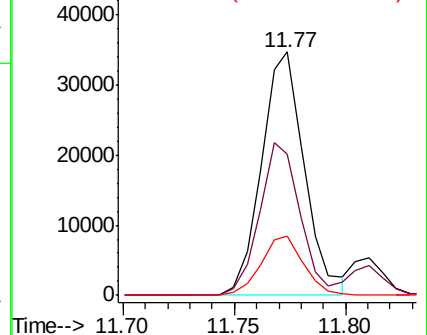
134 24.4 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 4.729 ug/l

RT: 11.81 min Scan# 1748

Delta R.T. 0.00 min

Lab File: VX004465.D

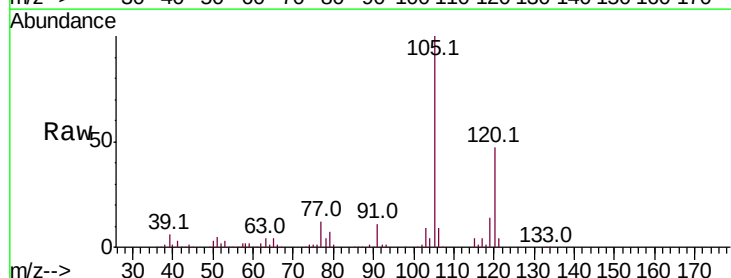
Acq: 11 Sep 2018 13:00

Tgt Ion:105 Resp: 49694

Ion Ratio Lower Upper

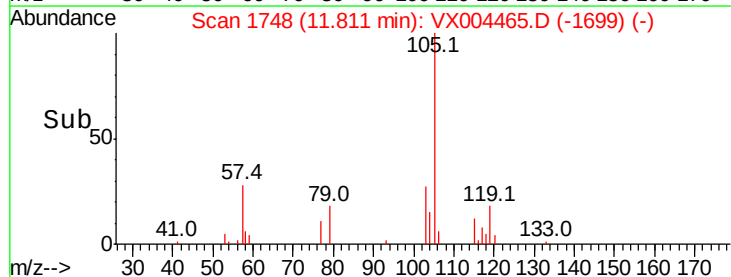
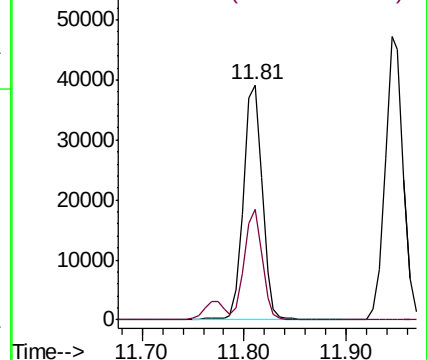
105 100

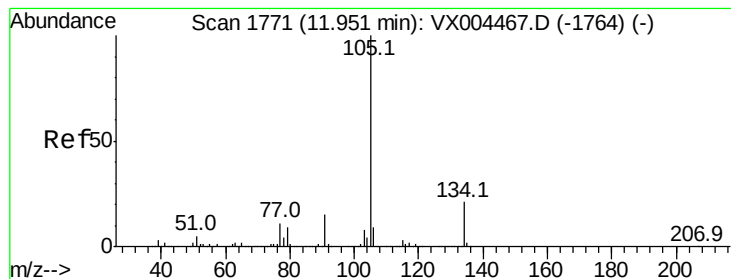
120 44.7 23.2 69.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 4.764 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX004465.D

Acq: 11 Sep 2018 13:00

Instrument :

MSVOA_X

ClientSampled :

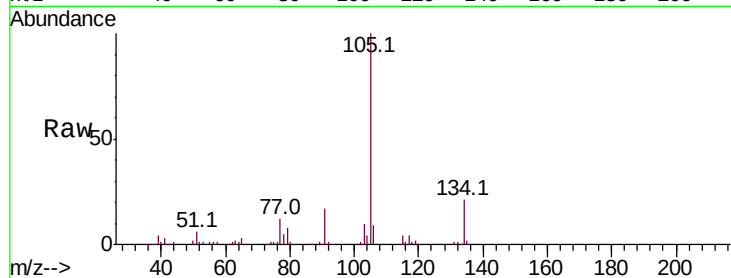
VSTDIC005

Tot Ion:105 Resp: 59489

Ion Ratio Lower Upper

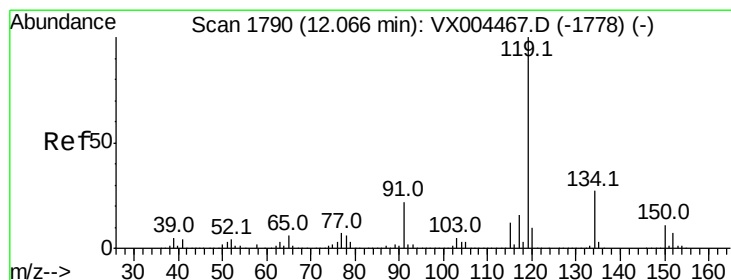
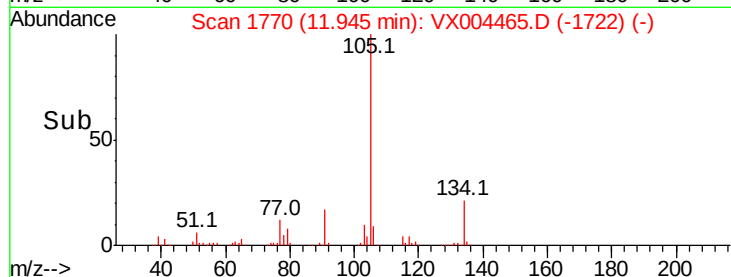
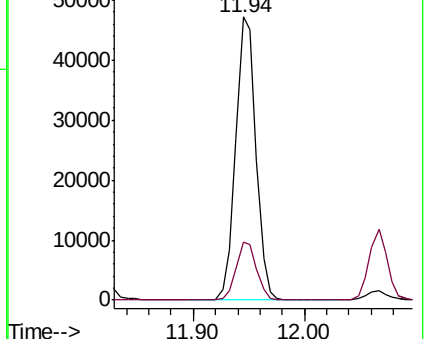
105 100

134 20.6 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: 4.643 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX004465.D

Acq: 11 Sep 2018 13:00

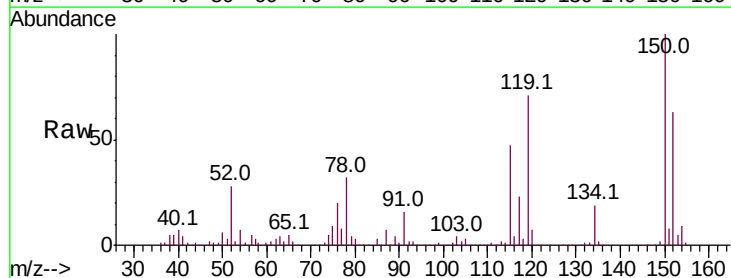
Tgt Ion:119 Resp: 51198

Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.2

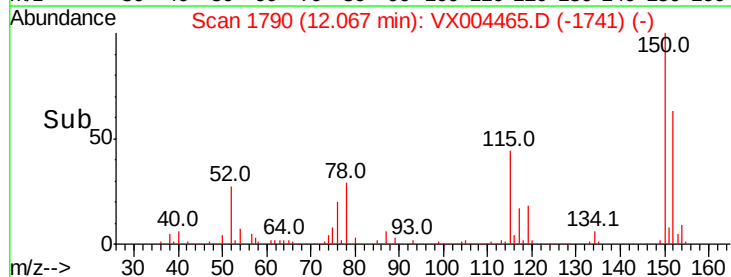
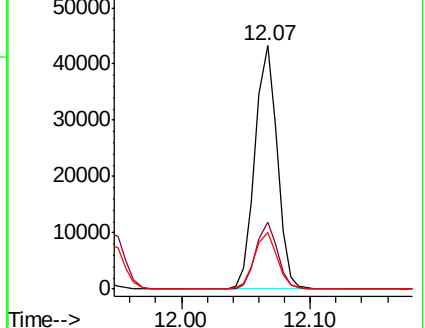
91 24.5 10.9 32.7

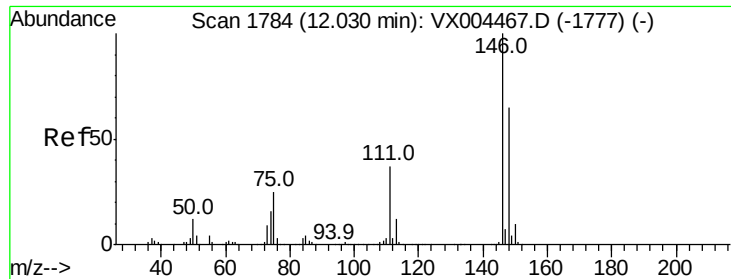


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

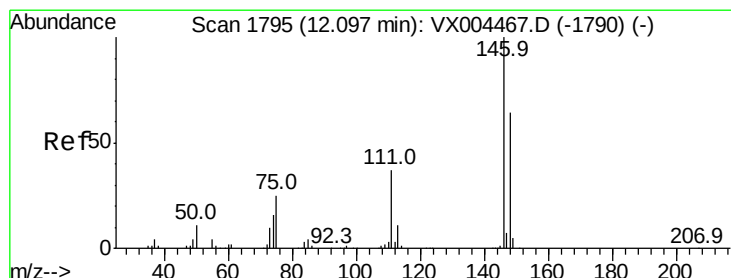
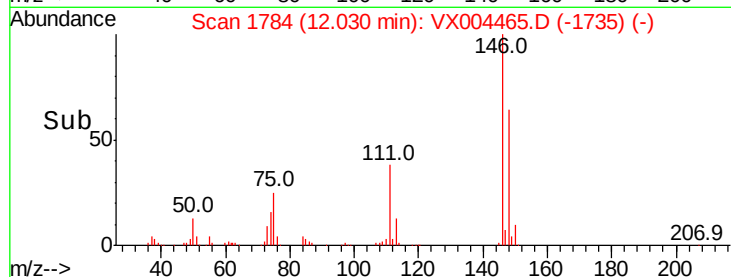
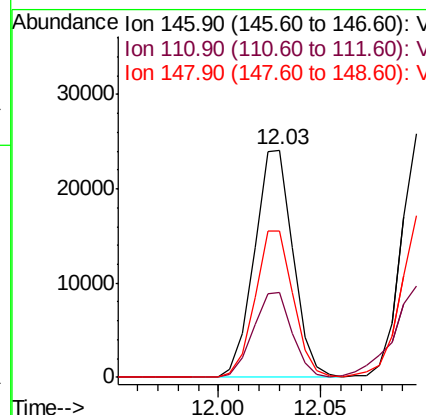
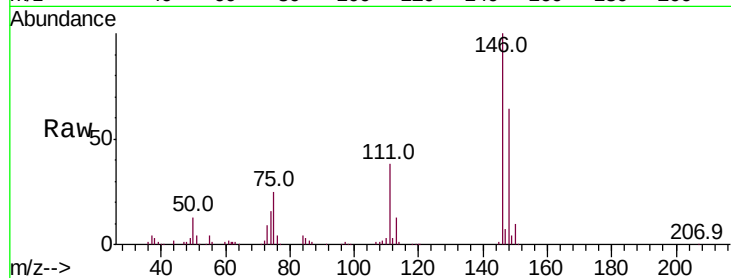




#87
 1,3-Dichlorobenzene
 Concen: 5.048 ug/l
 RT: 12.03 min Scan# 1784
 Delta R.T. 0.00 min
 Lab File: VX004465.D
 Acq: 11 Sep 2018 13:00

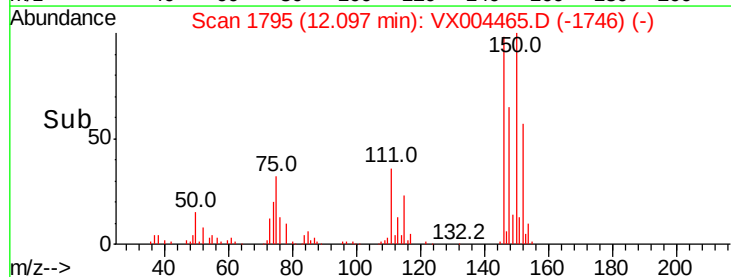
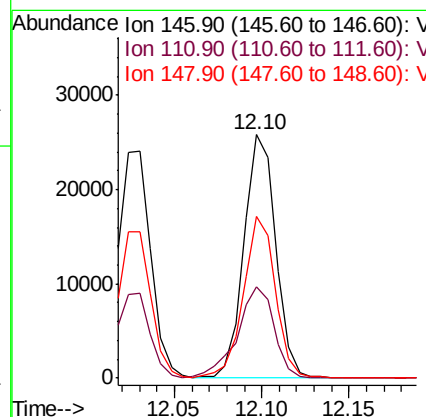
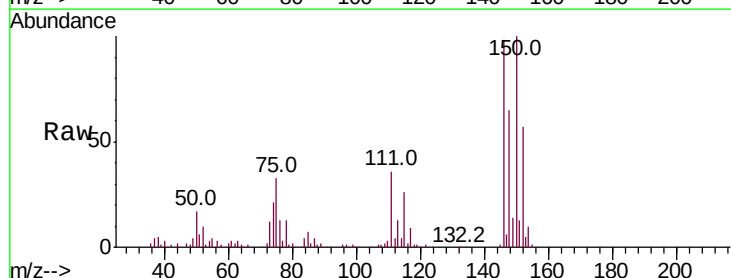
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

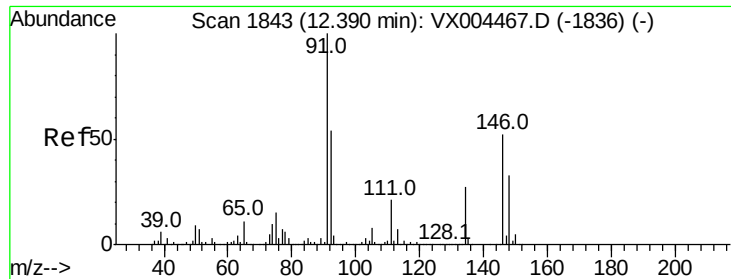
Tot Ion:146 Resp: 31875
 Ion Ratio Lower Upper
 146 100
 111 37.3 18.7 56.1
 148 63.6 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 4.993 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX004465.D
 Acq: 11 Sep 2018 13:00

Tgt Ion:146 Resp: 32572
 Ion Ratio Lower Upper
 146 100
 111 43.7 18.1 54.1
 148 66.7 32.0 96.0

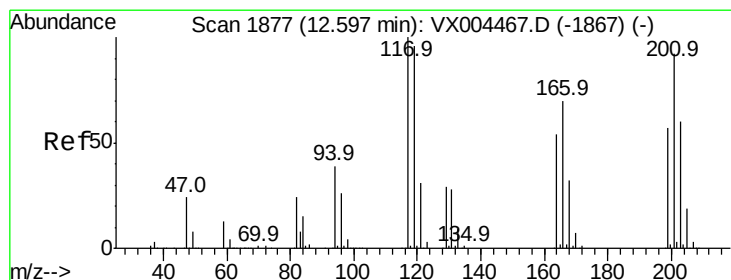
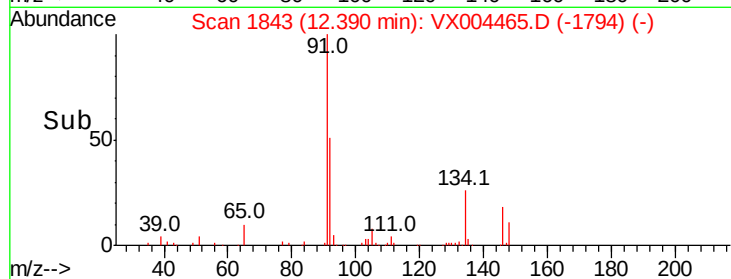
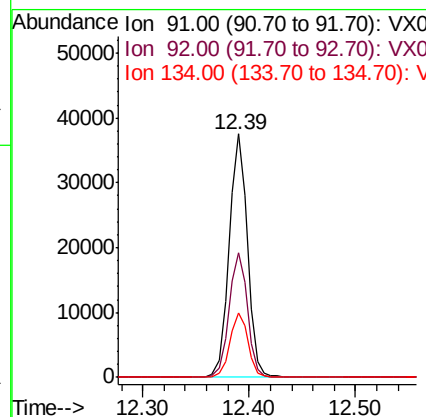
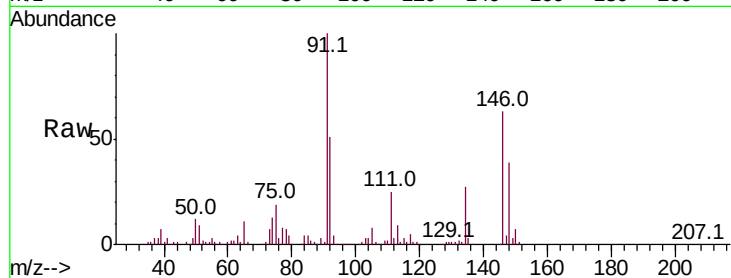




#89
n-Butylbenzene
Concen: 4.506 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX004465.D
Acq: 11 Sep 2018 13:00

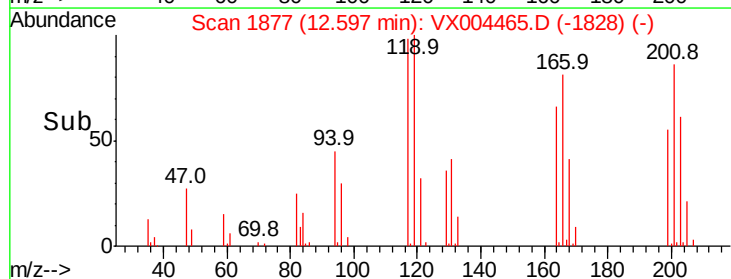
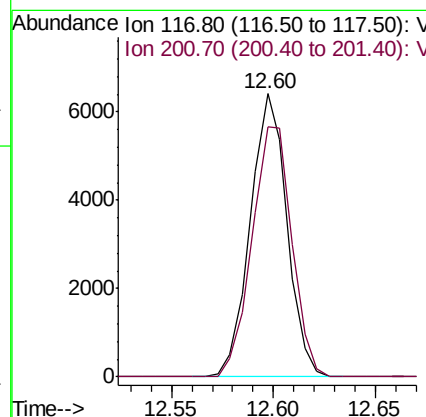
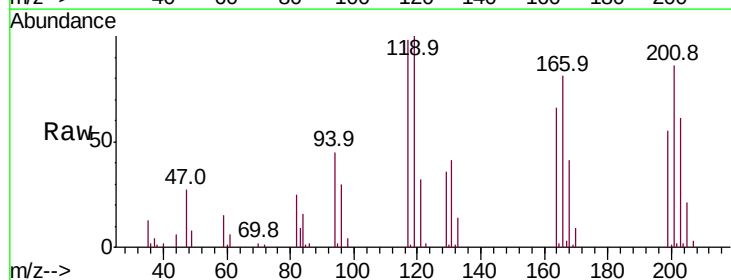
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

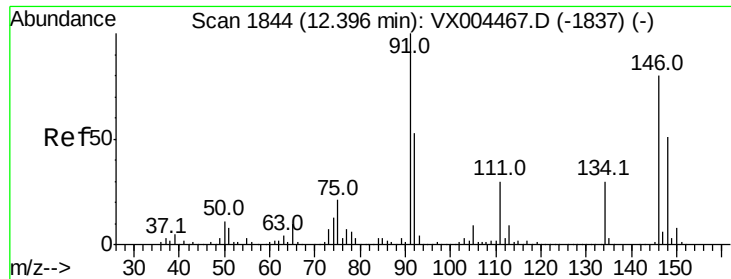
Tot Ion: 91 Resp: 45279
Ion Ratio Lower Upper
91 100
92 50.9 27.3 81.9
134 26.2 13.6 40.7



#90
Hexachloroethane
Concen: 4.539 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX004465.D
Acq: 11 Sep 2018 13:00

Tgt Ion: 117 Resp: 8013
Ion Ratio Lower Upper
117 100
201 96.2 46.9 140.6

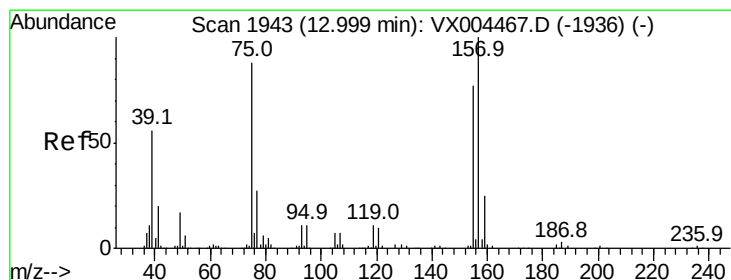
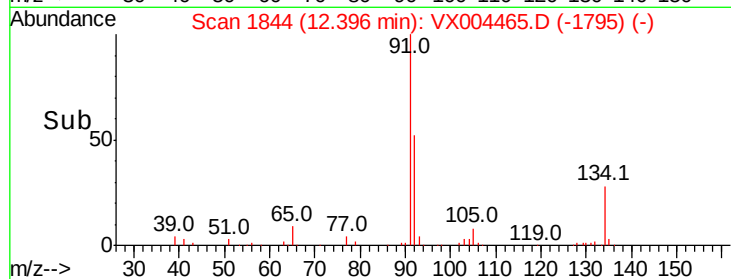
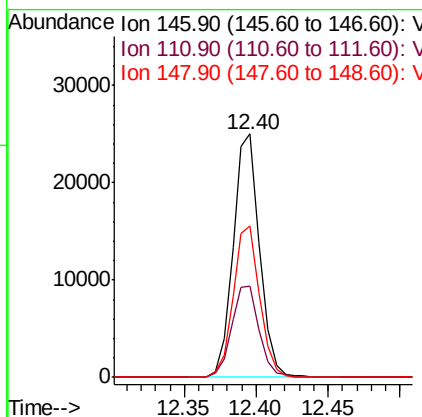
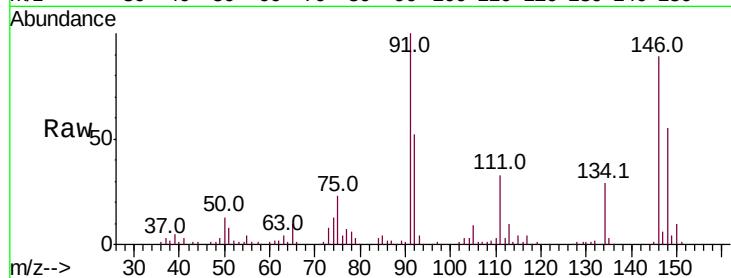




#91
 1,2-Dichlorobenzene
 Concen: 5.007 ug/l
 RT: 12.40 min Scan# 1844
 Delta R.T. 0.00 min
 Lab File: VX004465.D
 Acq: 11 Sep 2018 13:00

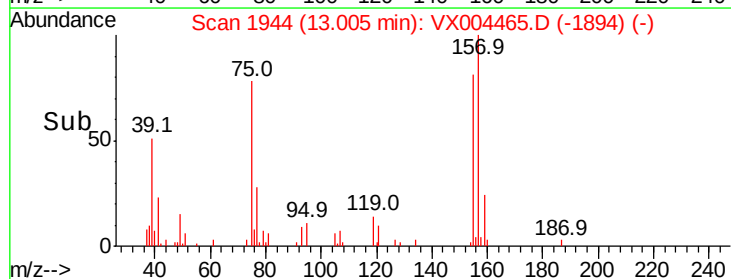
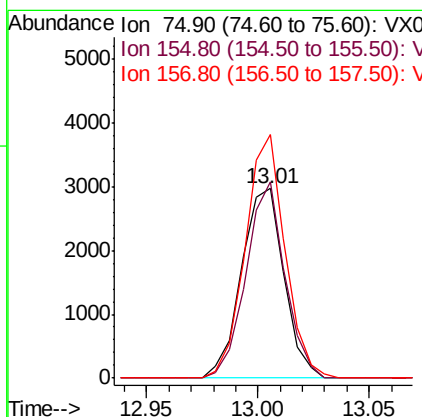
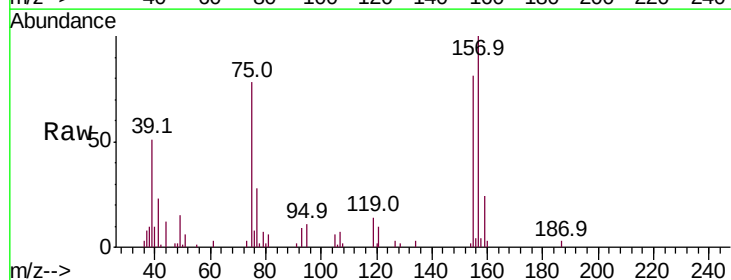
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

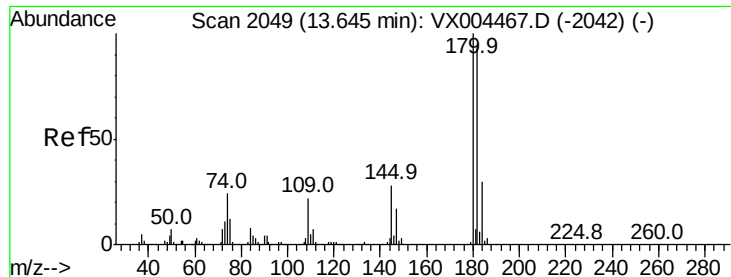
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.4	58.1
148	62.4	32.8	98.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.686 ug/l
 RT: 13.01 min Scan# 1944
 Delta R.T. 0.01 min
 Lab File: VX004465.D
 Acq: 11 Sep 2018 13:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.7	48.0	144.2
157	120.3	61.4	184.1

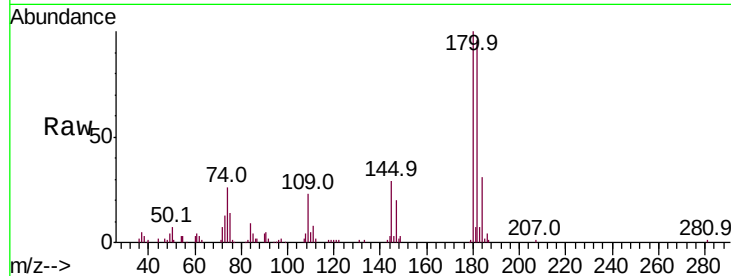




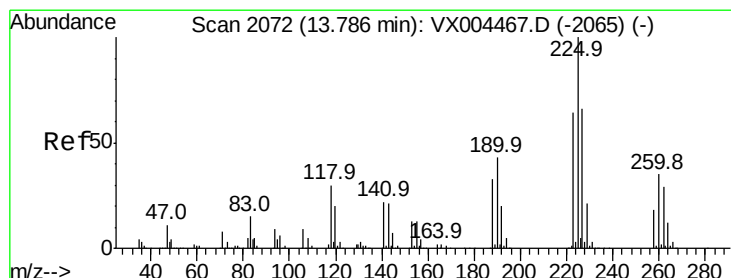
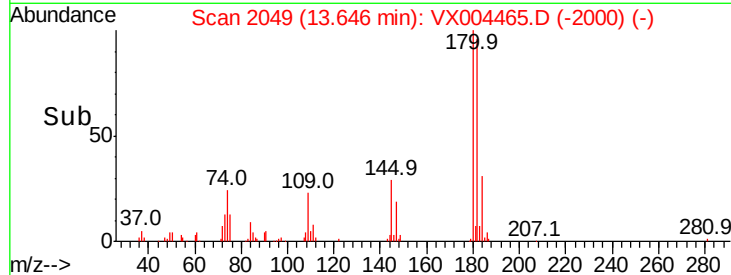
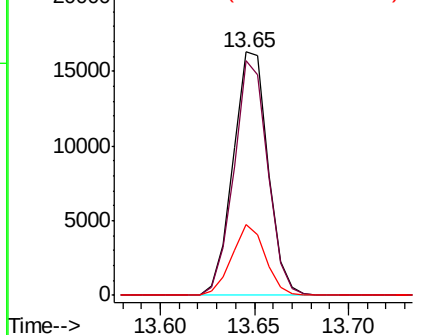
#93
 1,2,4-Trichlorobenzene
 Concen: 4.619 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX004465.D
 Acq: 11 Sep 2018 13:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.5	48.4	145.0
145	27.9	14.3	42.9

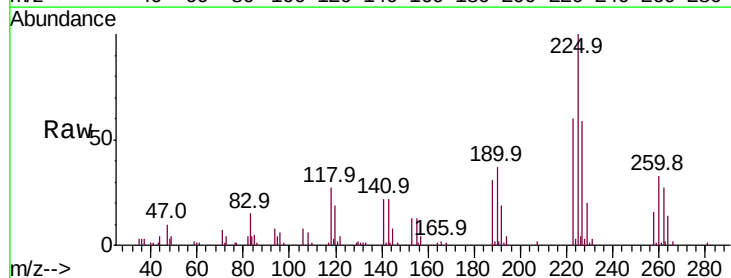


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

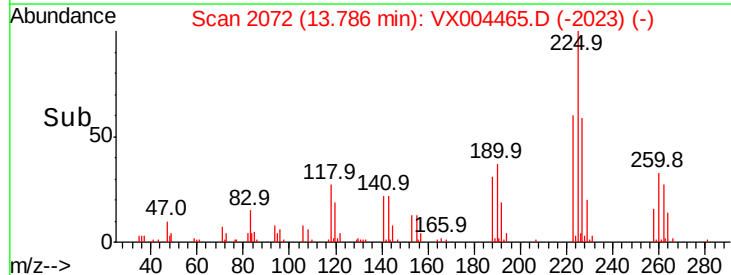
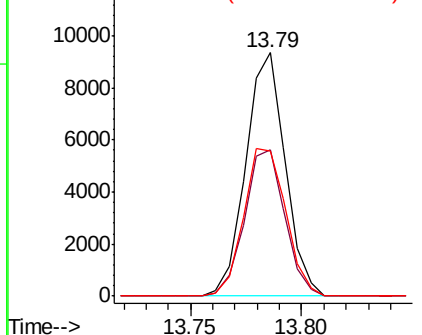


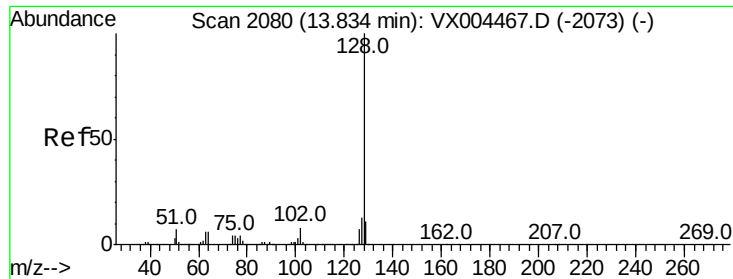
#94
 Hexachlorobutadiene
 Concen: 4.877 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VX004465.D
 Acq: 11 Sep 2018 13:00

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.3	30.1	90.5
227	64.6	30.8	92.4



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

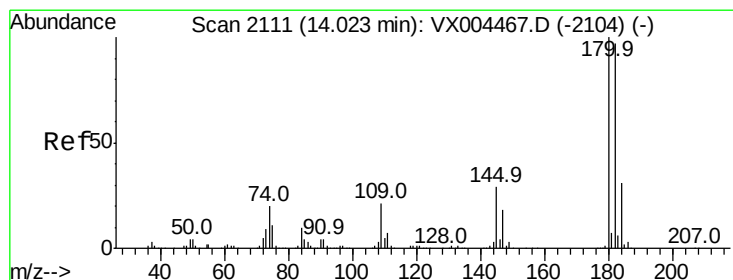
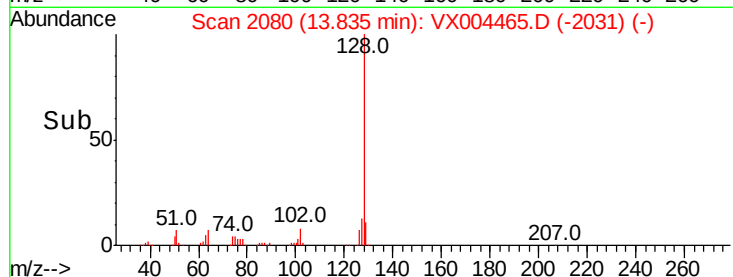
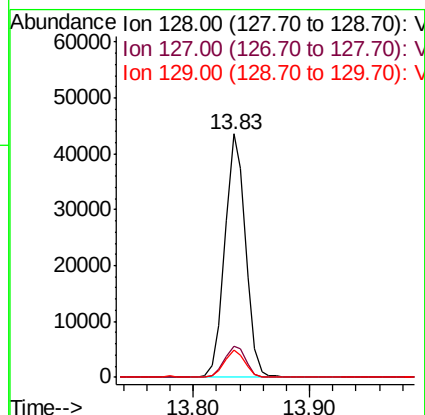
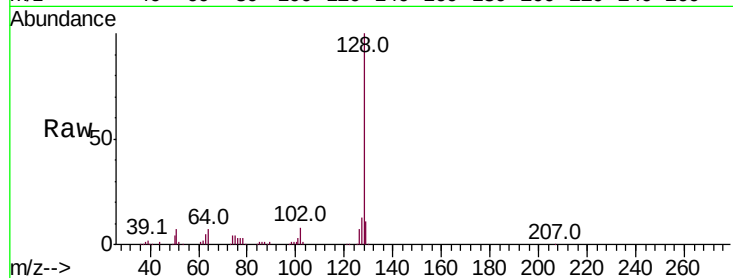




#95
Naphthalene
Concen: 4.216 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX004465.D
Acq: 11 Sep 2018 13:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:128 Resp: 53505
Ion Ratio Lower Upper
128 100
127 13.1 10.2 15.2
129 11.1 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 4.626 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. 0.00 min
Lab File: VX004465.D
Acq: 11 Sep 2018 13:00

Tgt Ion:180 Resp: 21506
Ion Ratio Lower Upper
180 100
182 96.9 48.5 145.6
145 30.5 14.9 44.9

