

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031319\
 Data File : VX008046.D
 Acq On : 13 Mar 2019 13:58
 Operator : JC/SP
 Sample : VX0313WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Quant Time: Mar 14 04:16:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 07:33:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	229726	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	340232	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	299555	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	146946	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	117672	48.56	ug/l	0.00
Spiked Amount			Recovery	=	97.12%	
35) Dibromofluoromethane	5.50	113	104953	48.22	ug/l	0.00
Spiked Amount			Recovery	=	96.44%	
50) Toluene-d8	8.71	98	395093	49.43	ug/l	0.00
Spiked Amount			Recovery	=	98.86%	
62) 4-Bromofluorobenzene	11.13	95	140034	49.97	ug/l	0.00
Spiked Amount			Recovery	=	99.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	37008	18.856	ug/l	99
3) Chloromethane	1.33	50	50424	19.936	ug/l	100
4) Vinyl Chloride	1.41	62	51708	20.575	ug/l	99
5) Bromomethane	1.64	94	26998	22.266	ug/l	98
6) Chloroethane	1.73	64	32038	19.190	ug/l	98
7) Trichlorofluoromethane	1.93	101	61178	18.697	ug/l	100
8) Diethyl Ether	2.19	74	28034	19.785	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.38	101	38690	19.081	ug/l	99
10) Methyl Iodide	2.51	142	59965	20.846	ug/l	97
11) Tert butyl alcohol	3.07	59	55648	102.681	ug/l	100
12) 1,1-Dichloroethene	2.38	96	38303	19.597	ug/l	93
13) Acrolein	2.30	56	24303	80.294	ug/l	100
14) Allyl chloride	2.73	41	73591	17.918	ug/l	99
15) Acrylonitrile	3.15	53	133466	97.567	ug/l	99
16) Acetone	2.45	43	107532	76.662	ug/l	98
17) Carbon Disulfide	2.57	76	107085	17.752	ug/l	99
18) Methyl Acetate	2.78	43	60923	20.445	ug/l	96
19) Methyl tert-butyl Ether	3.21	73	137360	20.428	ug/l	100
20) Methylene Chloride	2.86	84	43868	19.651	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	41300	19.204	ug/l	95
22) Diisopropyl ether	3.87	45	156842	20.833	ug/l	98
23) Vinyl Acetate	3.82	43	654699	99.165	ug/l	100
24) 1,1-Dichloroethane	3.70	63	83055	20.499	ug/l	99
25) 2-Butanone	4.70	43	193368	97.374	ug/l	99
26) 2,2-Dichloropropane	4.59	77	51365	19.136	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	50255	20.421	ug/l	98
28) Bromochloromethane	5.02	49	36120	19.123	ug/l	97
29) Tetrahydrofuran	5.15	42	128345	103.614	ug/l	98
30) Chloroform	5.21	83	80088	20.897	ug/l	97
31) Cyclohexane	5.57	56	73637	19.775	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	66498	20.912	ug/l	98
36) 1,1-Dichloropropene	5.80	75	60896	19.767	ug/l	99
37) Ethyl Acetate	4.85	43	71381	19.525	ug/l	99
38) Carbon Tetrachloride	5.78	117	56208	19.218	ug/l	97

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 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 07:33:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	71798	19.233	ug/l	99
40) Benzene	6.15	78	187719	20.468	ug/l	99
41) Methacrylonitrile	5.06	41	40716	20.428	ug/l	99
42) 1,2-Dichloroethane	6.20	62	60751	20.255	ug/l	99
43) Isopropyl Acetate	6.46	43	109951	20.321	ug/l	99
44) Trichloroethene	7.21	130	51570	20.404	ug/l	98
45) 1,2-Dichloropropane	7.52	63	49590	20.472	ug/l	99
46) Dibromomethane	7.66	93	31151	20.320	ug/l	98
47) Bromodichloromethane	7.90	83	56686	19.503	ug/l	99
48) Methyl methacrylate	7.77	41	57607	20.251	ug/l	98
49) 1,4-Dioxane	7.75	88	25363	434.033	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	367029	105.481	ug/l	99
52) Toluene	8.79	92	115891	20.697	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	61095	20.139	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	69007	20.144	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	48537	21.413	ug/l	99
56) Ethyl methacrylate	9.18	69	74041	21.755	ug/l	97
57) 1,3-Dichloropropane	9.37	76	80579	21.172	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	173244	98.408	ug/l	99
59) 2-Hexanone	9.49	43	276308	102.281	ug/l	99
60) Dibromochloromethane	9.58	129	47710	20.137	ug/l	99
61) 1,2-Dibromoethane	9.67	107	50325	20.911	ug/l	100
64) Tetrachloroethene	9.33	164	51867	20.894	ug/l	98
65) Chlorobenzene	10.14	112	128440	20.490	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	45993	20.472	ug/l	99
67) Ethyl Benzene	10.25	91	214582	20.796	ug/l	100
68) m/p-Xylenes	10.36	106	165395	41.585	ug/l	100
69) o-Xylene	10.70	106	80436	20.948	ug/l	100
70) Styrene	10.71	104	132019	21.011	ug/l	100
71) Bromoform	10.86	173	36987	19.171	ug/l	99
73) Isopropylbenzene	11.02	105	216020	21.736	ug/l	100
74) N-amyl acetate	10.90	43	93968	20.711	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	71165	20.760	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	82264	26.678	ug/l	90
77) Bromobenzene	11.26	156	57531	21.115	ug/l	99
78) n-propylbenzene	11.36	91	233462	21.175	ug/l	100
79) 2-Chlorotoluene	11.42	91	141987	21.063	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	176966	21.635	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	18561	19.241	ug/l	95
82) 4-Chlorotoluene	11.51	91	161188	20.865	ug/l	100
83) tert-Butylbenzene	11.77	119	173660	21.077	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	182082	21.715	ug/l	100
85) sec-Butylbenzene	11.94	105	208807	21.518	ug/l	99
86) p-Isopropyltoluene	12.06	119	188389	21.677	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	100003	20.746	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	99246	20.104	ug/l	98
89) n-Butylbenzene	12.39	91	151437	20.568	ug/l	99
90) Hexachloroethane	12.60	117	28838	19.847	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	100616	21.011	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	13918	19.427	ug/l	93

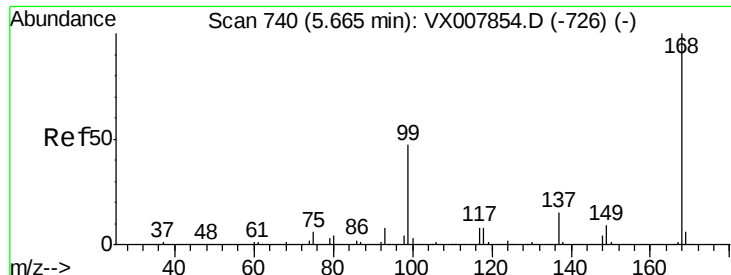
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	68903	20.482	ug/l	99
94) Hexachlorobutadiene	13.78	225	37007	21.041	ug/l	99
95) Naphthalene	13.83	128	206487	21.303	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	68655	20.487	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX008046.D

Acq: 13 Mar 2019 13:58

Instrument :

MSVOA_X

ClientSampleId :

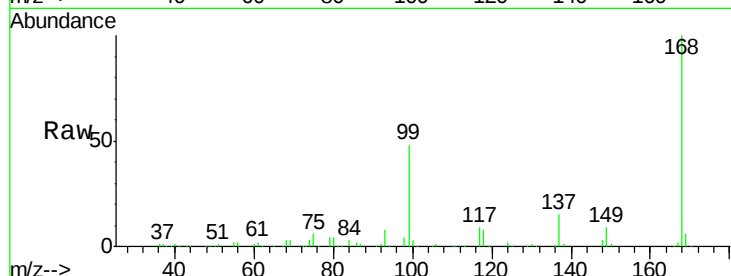
VSTDIC001

Tot Ion:168 Resp: 229726

Ion Ratio Lower Upper

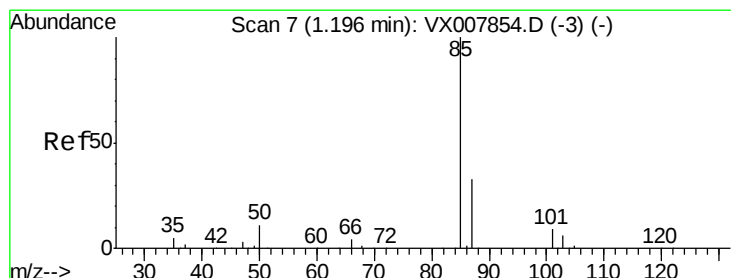
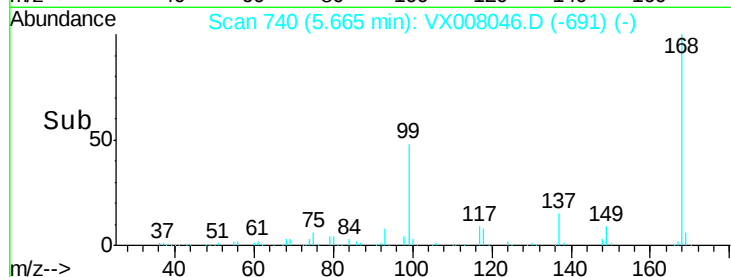
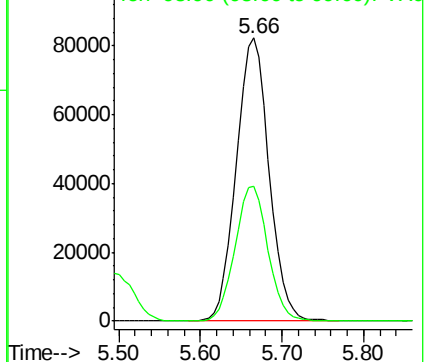
168 100

99 47.8 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 18.856 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX008046.D

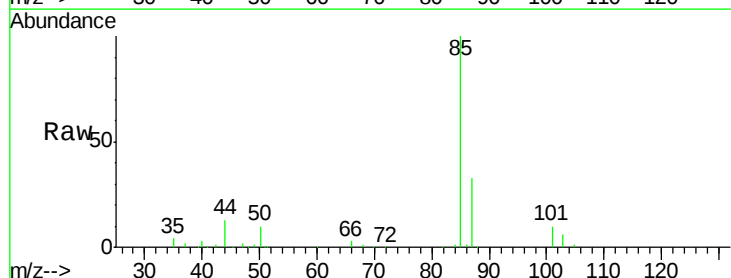
Acq: 13 Mar 2019 13:58

Tgt Ion: 85 Resp: 37008

Ion Ratio Lower Upper

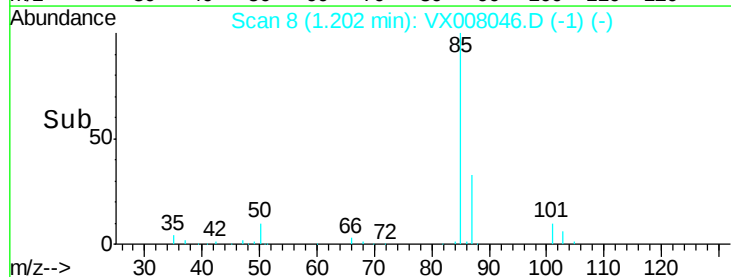
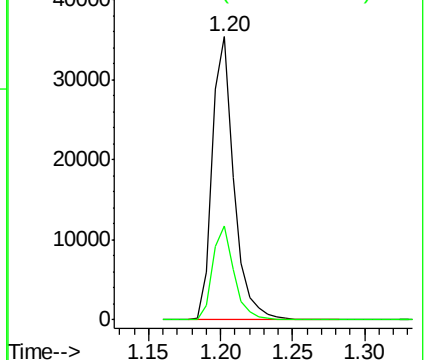
85 100

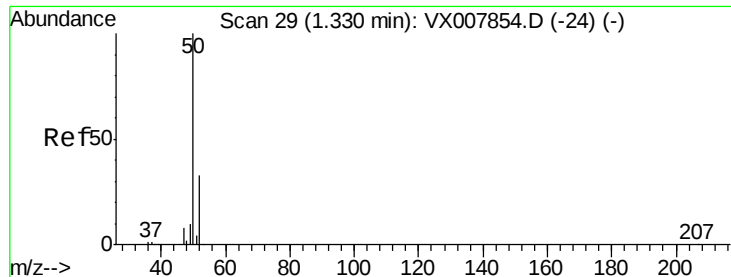
87 33.1 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 19.936 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX008046.D

Acq: 13 Mar 2019 13:58

Instrument :

MSVOA_X

ClientSampleId :

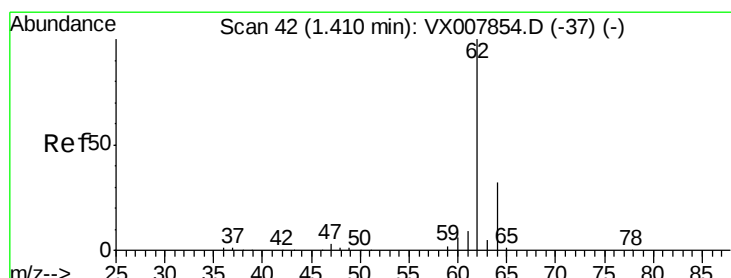
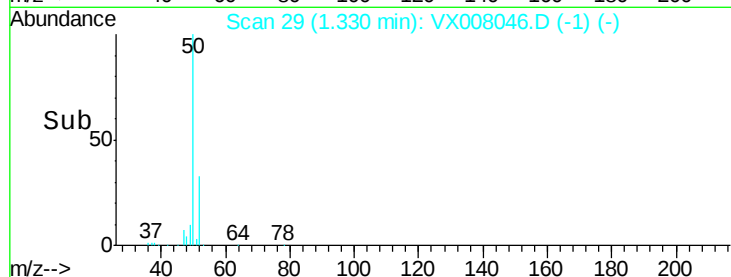
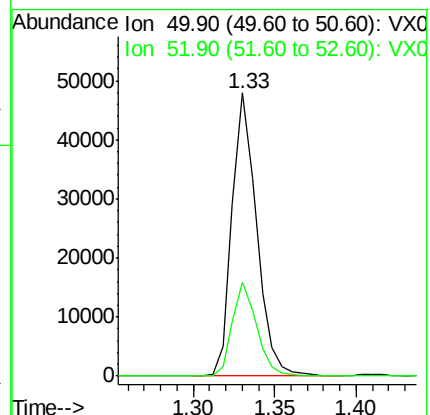
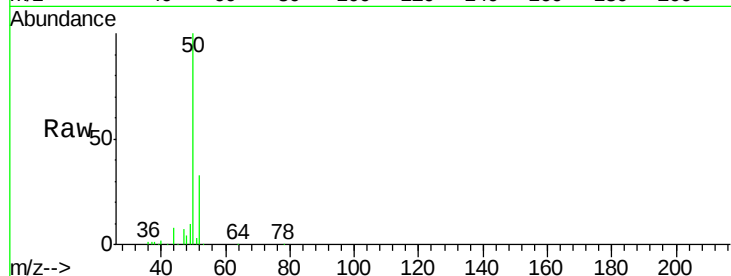
VSTDIC001

Tot Ion: 50 Resp: 50424

Ion Ratio Lower Upper

50 100

52 33.4 26.5 39.7



#4

Vinyl Chloride

Concen: 20.575 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX008046.D

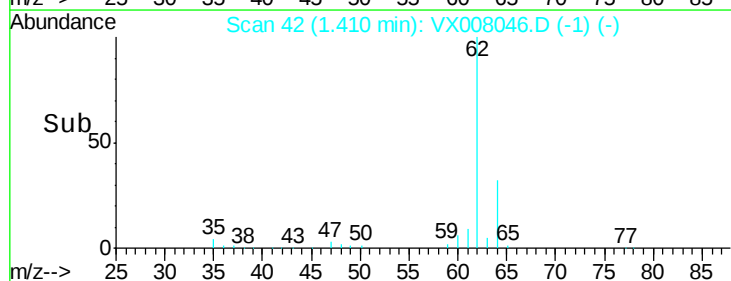
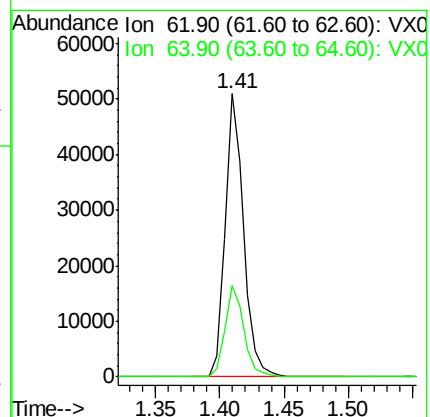
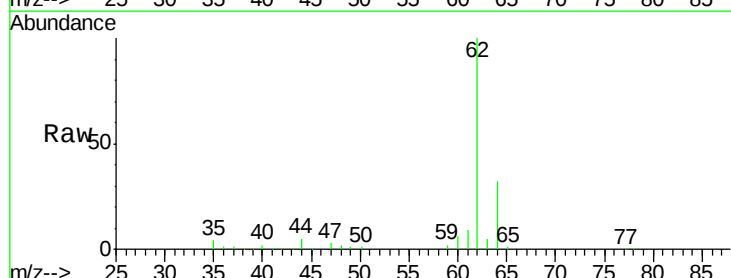
Acq: 13 Mar 2019 13:58

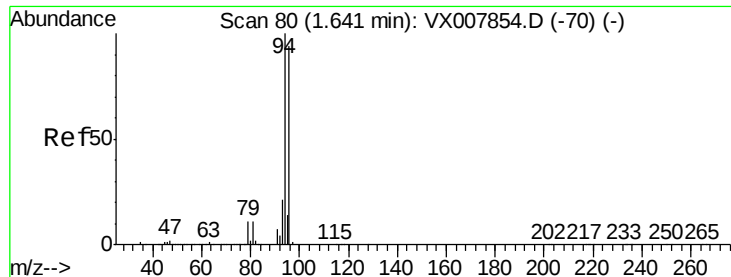
Tgt Ion: 62 Resp: 51708

Ion Ratio Lower Upper

62 100

64 32.1 25.3 37.9





#5

Bromomethane

Concen: 22.266 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX008046.D

Acq: 13 Mar 2019 13:58

Instrument :

MSVOA_X

ClientSampleId :

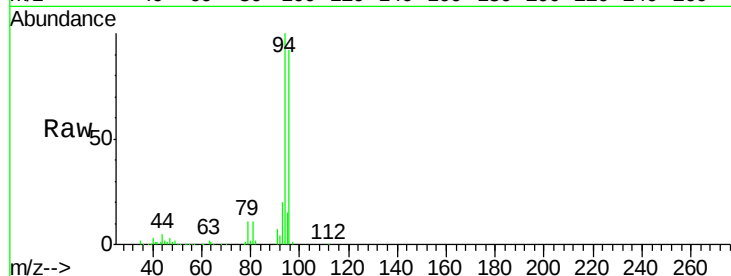
VSTDIC001

Tot Ion: 94 Resp: 26998

Ion Ratio Lower Upper

94 100

96 92.2 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

30000

25000

20000

15000

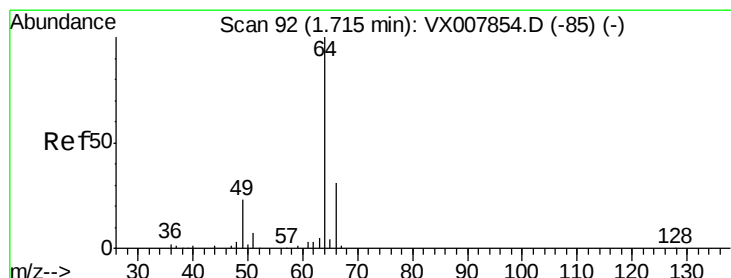
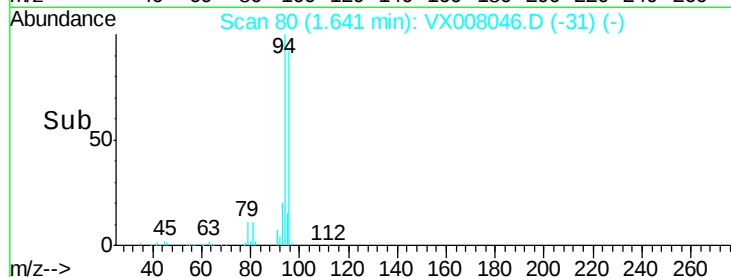
10000

5000

0

Time-->

1.55 1.60 1.65 1.70



#6

Chloroethane

Concen: 19.190 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX008046.D

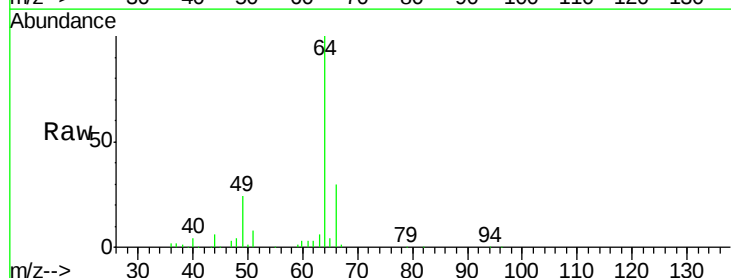
Acq: 13 Mar 2019 13:58

Tgt Ion: 64 Resp: 32038

Ion Ratio Lower Upper

64 100

66 30.4 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.73

25000

20000

15000

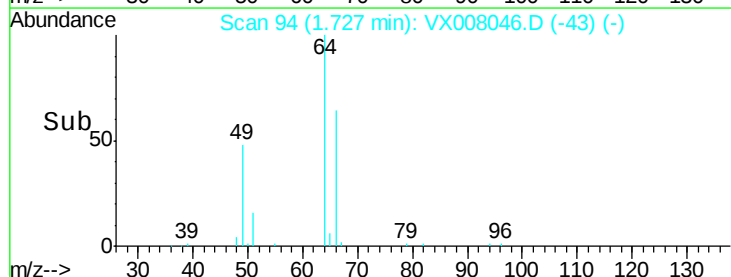
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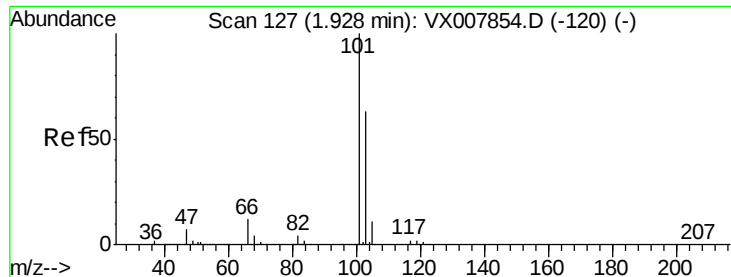
5000

0

Time-->

1.65 1.70 1.75 1.80



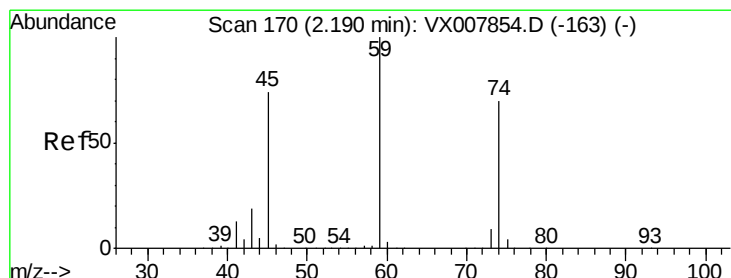
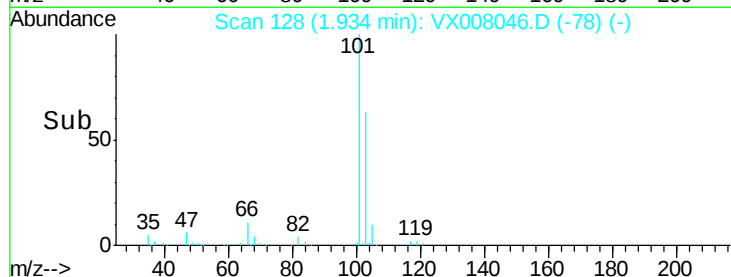
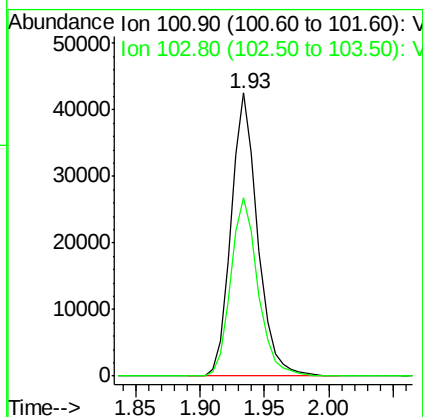
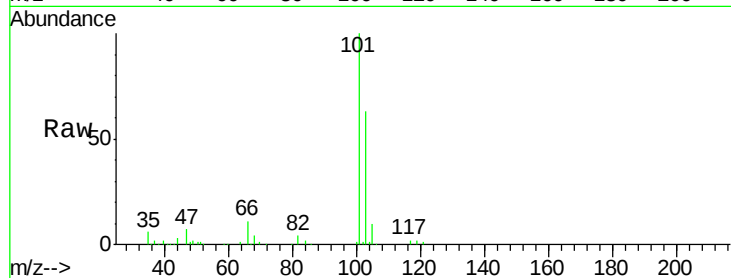


#7

Trichlorofluoromethane
Concen: 18.697 ug/l
RT: 1.93 min Scan# 128
Delta R.T. 0.01 min
Lab File: VX008046.D
Acq: 13 Mar 2019 13:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

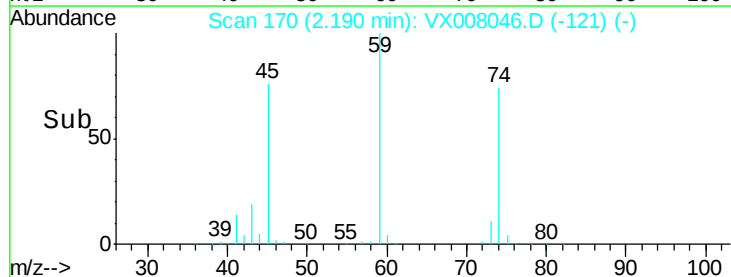
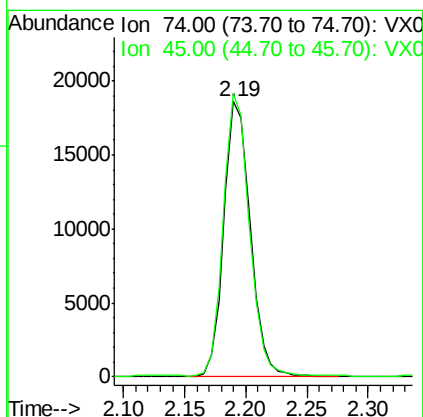
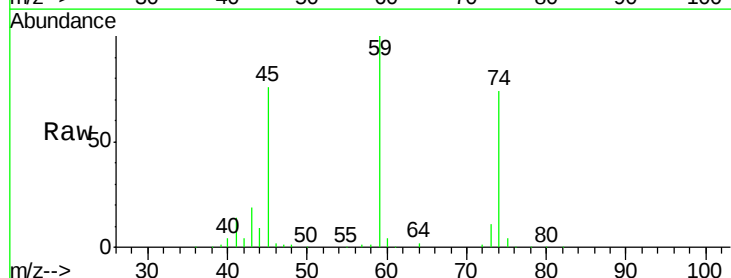
Tot Ion:101 Resp: 61178
Ion Ratio Lower Upper
101 100
103 63.0 50.4 75.6

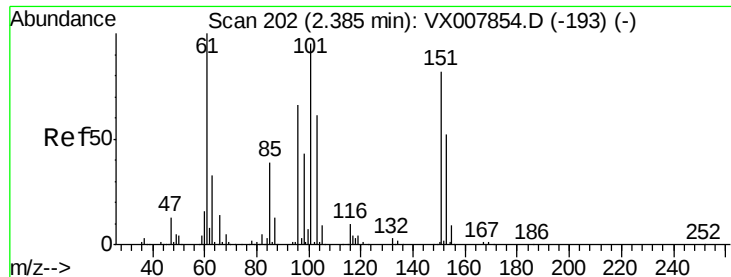


#8

Diethyl Ether
Concen: 19.785 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX008046.D
Acq: 13 Mar 2019 13:58

Tgt Ion: 74 Resp: 28034
Ion Ratio Lower Upper
74 100
45 100.1 52.1 156.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.081 ug/l

RT: 2.38 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX008046.D

Acq: 13 Mar 2019 13:58

Instrument :

MSVOA_X

ClientSampled :

VSTDIC001

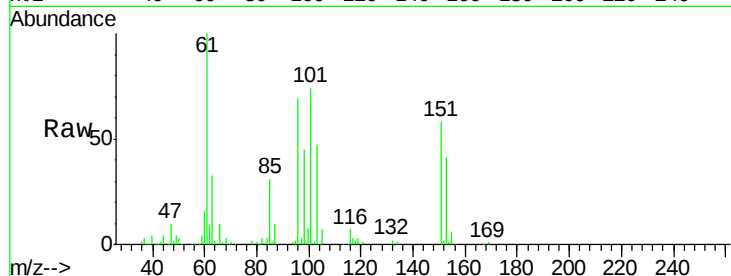
Tot Ion:101 Resp: 38690

Ion Ratio Lower Upper

101 100

85 41.4 33.8 50.6

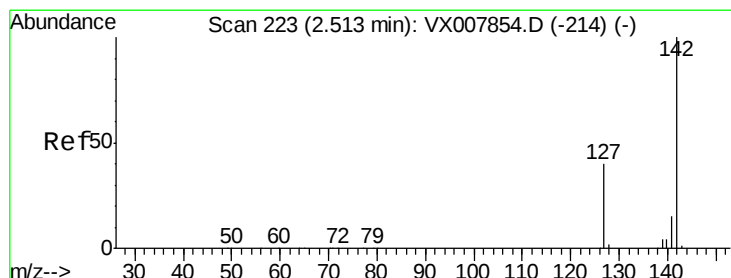
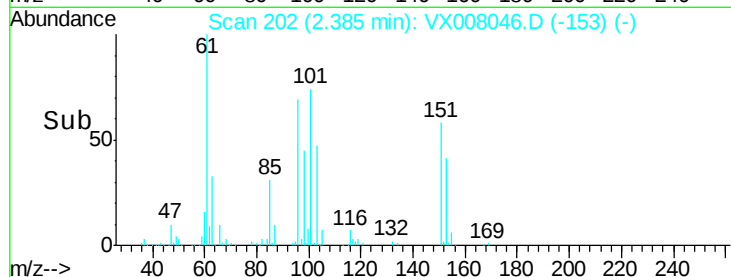
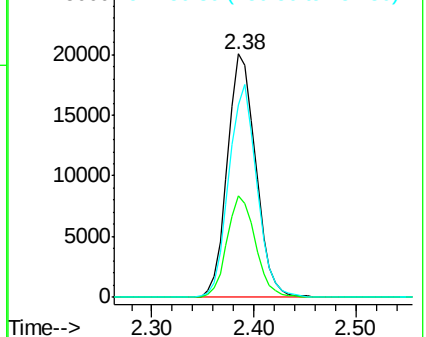
151 86.2 69.1 103.7



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: 20.846 ug/l

RT: 2.51 min Scan# 223

Delta R.T. -0.00 min

Lab File: VX008046.D

Acq: 13 Mar 2019 13:58

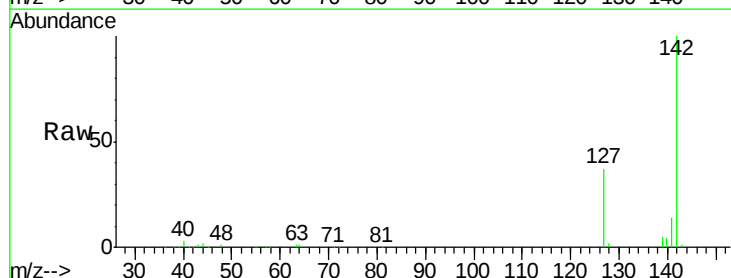
Tgt Ion:142 Resp: 59965

Ion Ratio Lower Upper

142 100

127 37.8 32.1 48.1

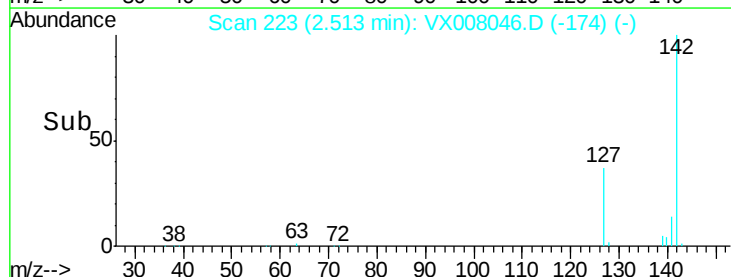
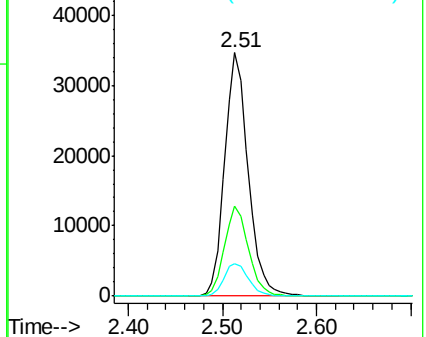
141 14.0 11.4 17.2

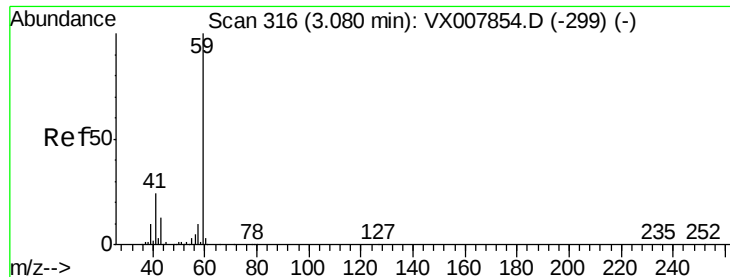


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

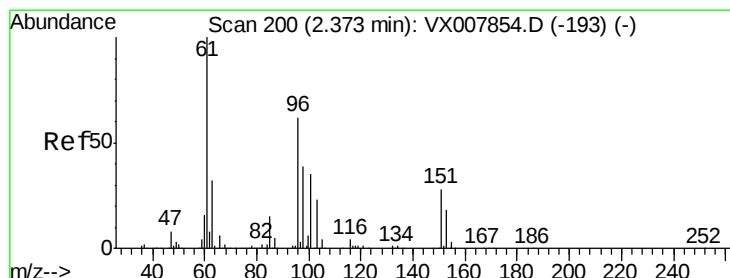
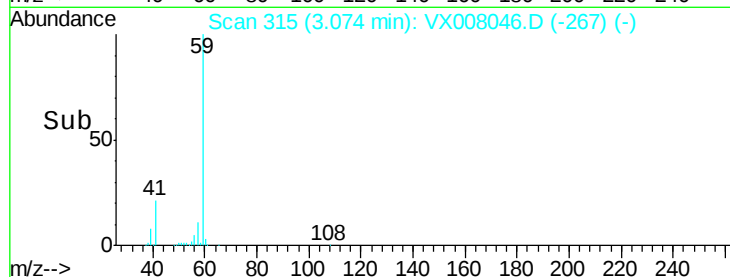
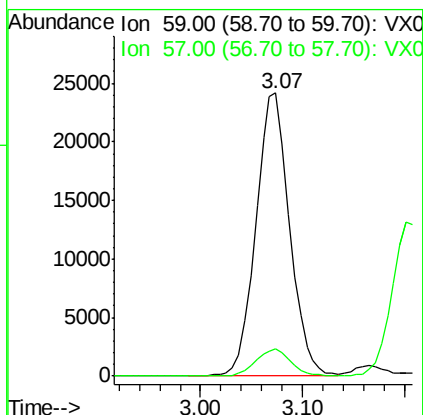
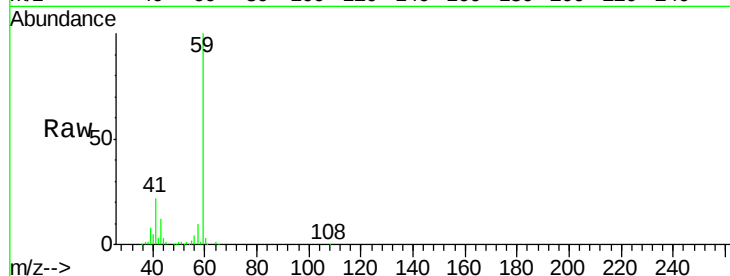




#11
Tert butyl alcohol
Concen: 102.681 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX008046.D
Acq: 13 Mar 2019 13:58

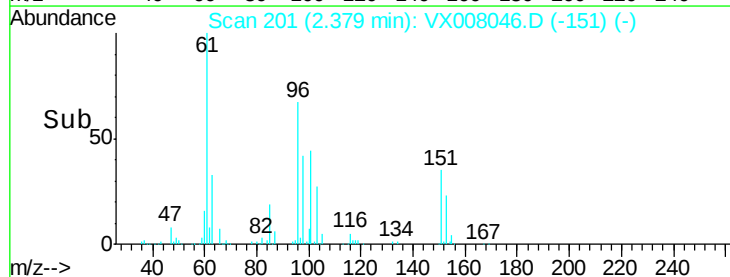
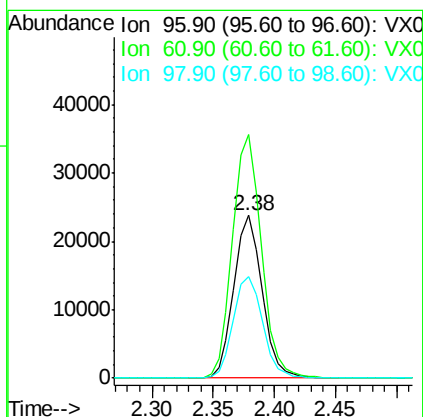
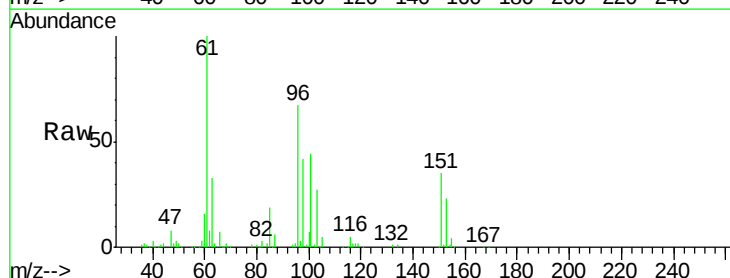
Instrument :
MSVOA_X
ClientSampled :
VSTDIC001

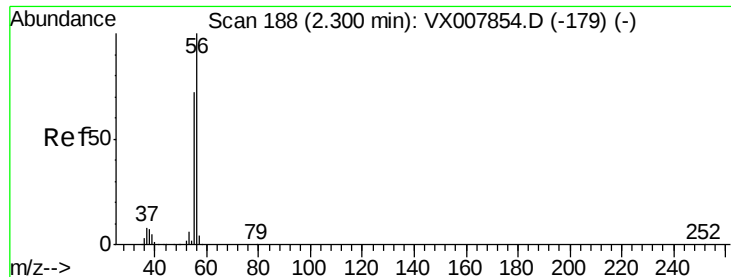
Tot Ion: 59 Resp: 55648
Ion Ratio Lower Upper
59 100
57 10.1 8.2 12.2



#12
1,1-Dichloroethene
Concen: 19.597 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.01 min
Lab File: VX008046.D
Acq: 13 Mar 2019 13:58

Tgt Ion: 96 Resp: 38303
Ion Ratio Lower Upper
96 100
61 149.7 129.8 194.6
98 62.4 51.0 76.6





#13

Acrolein

Concen: 80.294 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.00 min

Lab File: VX008046.D

Acq: 13 Mar 2019 13:58

Instrument :

MSVOA_X

ClientSampleId :

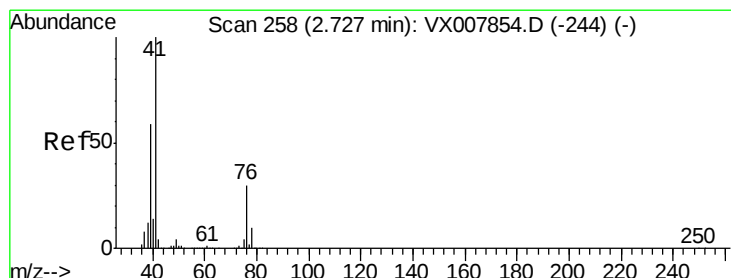
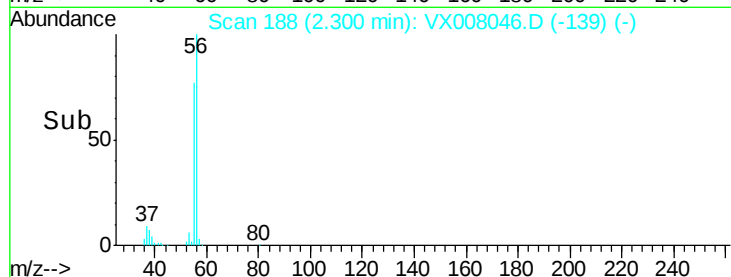
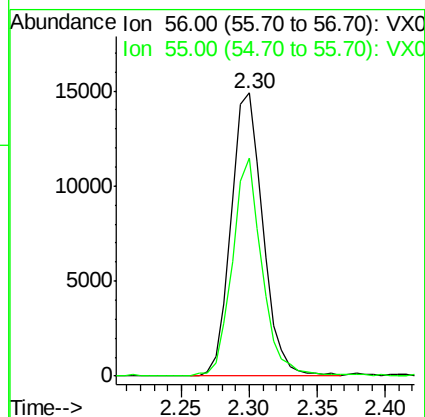
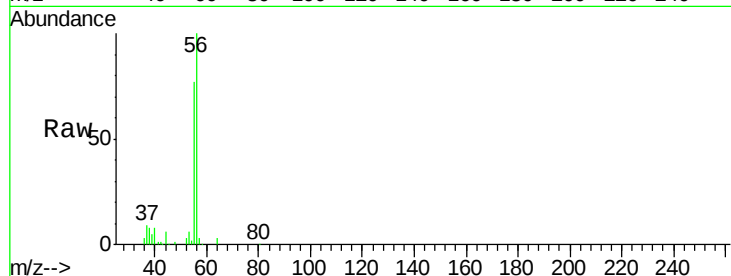
VSTDIC001

Tot Ion: 56 Resp: 24303

Ion Ratio Lower Upper

56 100

55 72.6 57.8 86.6



#14

Allyl chloride

Concen: 17.918 ug/l

RT: 2.73 min Scan# 259

Delta R.T. 0.01 min

Lab File: VX008046.D

Acq: 13 Mar 2019 13:58

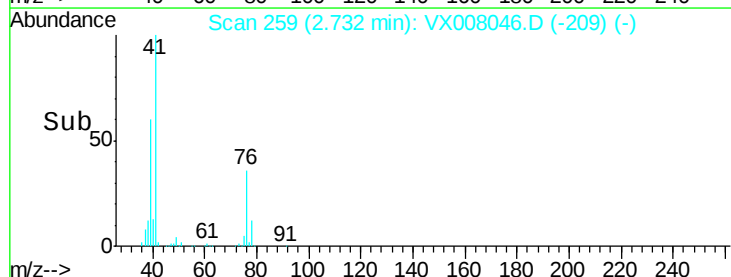
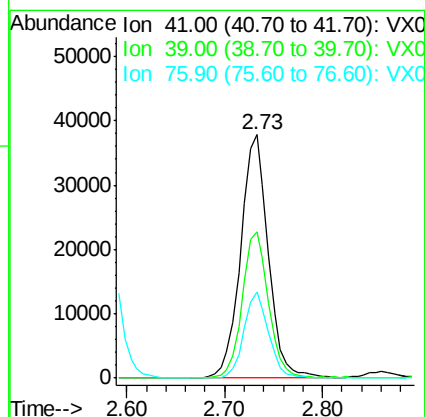
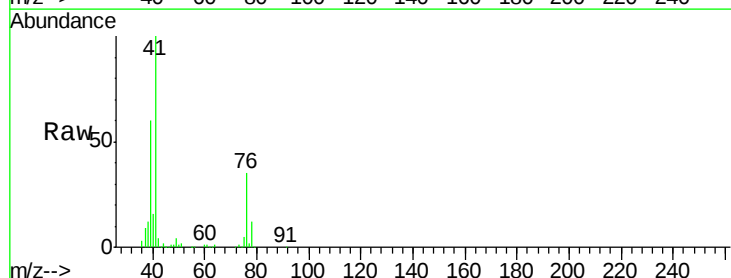
Tgt Ion: 41 Resp: 73591

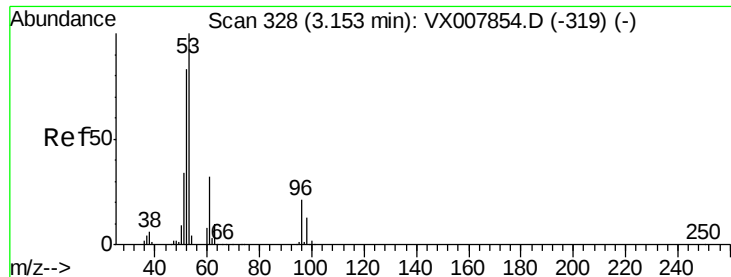
Ion Ratio Lower Upper

41 100

39 57.5 46.1 69.1

76 31.9 24.0 36.0





#15

Acrylonitrile

Concen: 97.567 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.00 min

Lab File: VX008046.D

Acq: 13 Mar 2019 13:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

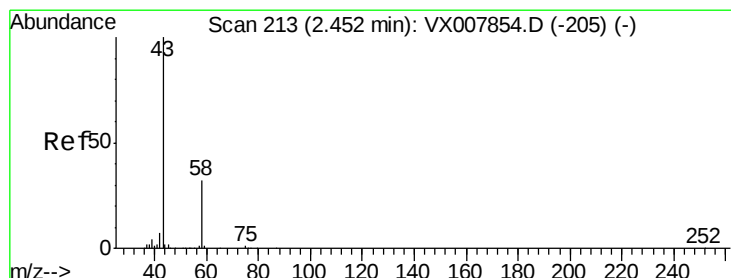
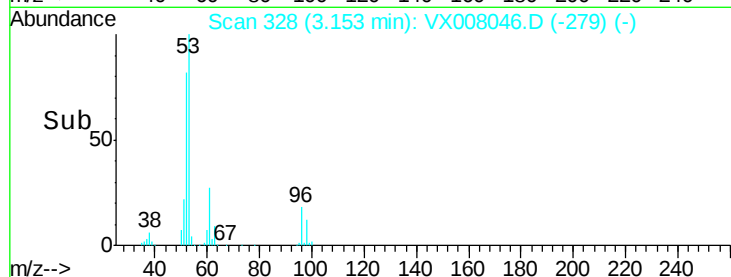
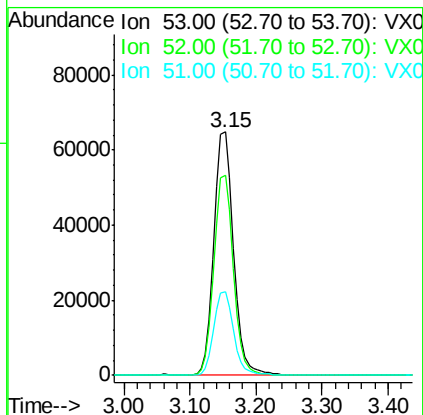
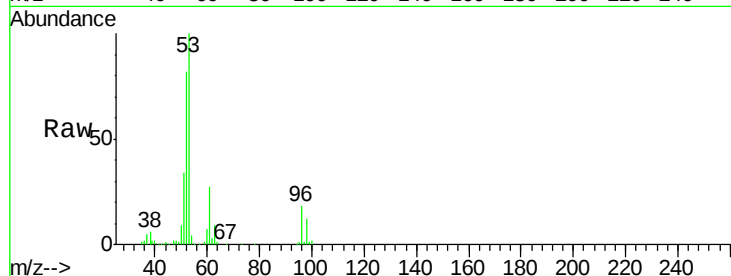
Tot Ion: 53 Resp: 133466

Ion Ratio Lower Upper

53 100

52 81.7 66.0 99.0

51 35.1 28.0 42.0



#16

Acetone

Concen: 76.662 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.01 min

Lab File: VX008046.D

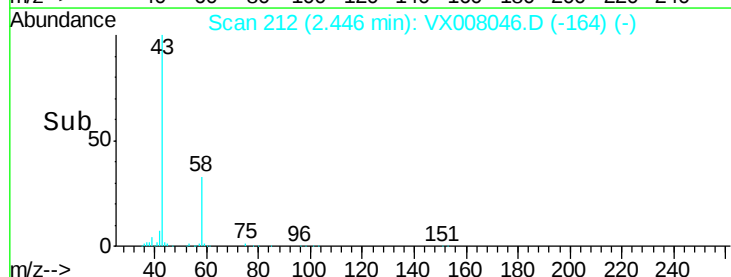
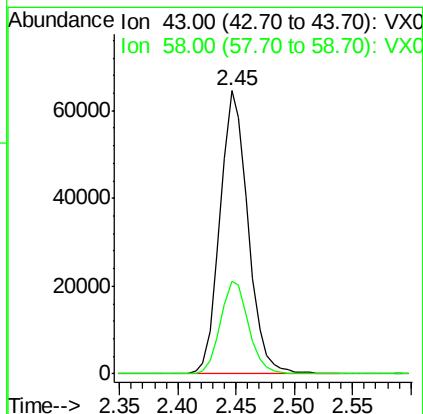
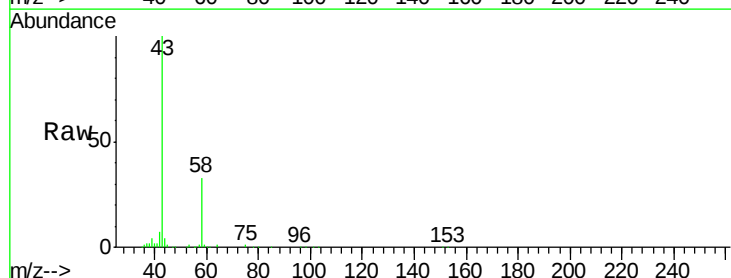
Acq: 13 Mar 2019 13:58

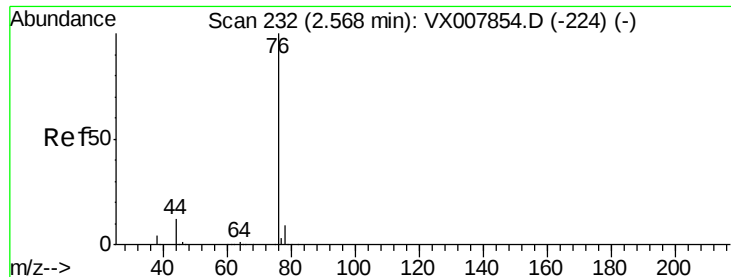
Tgt Ion: 43 Resp: 107532

Ion Ratio Lower Upper

43 100

58 32.7 25.5 38.3

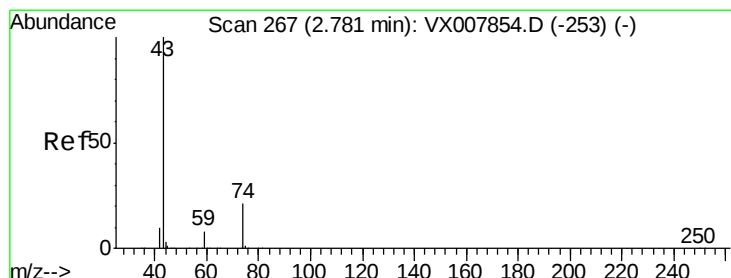
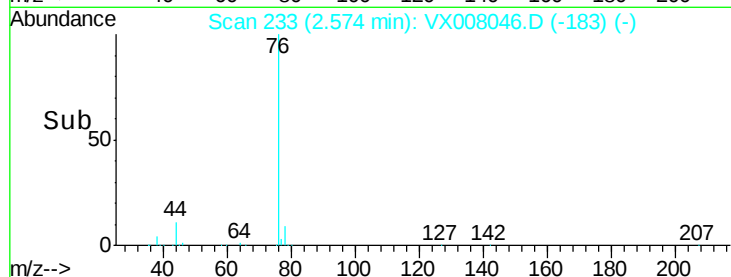
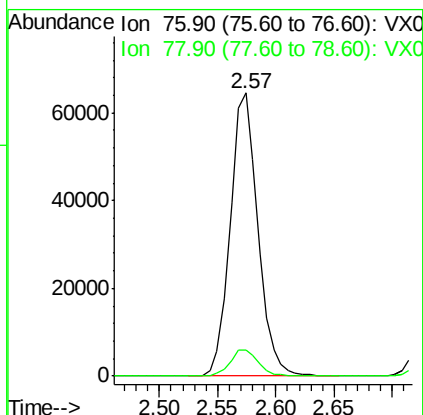
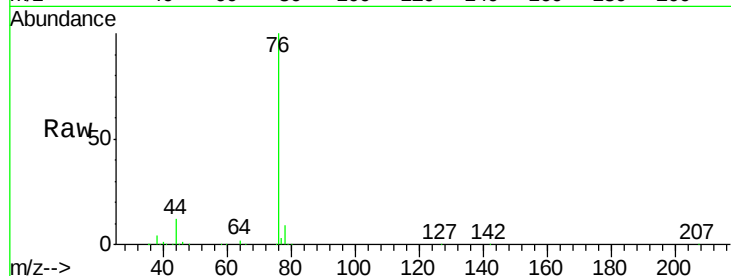




#17
Carbon Disulfide
Concen: 17.752 ug/l
RT: 2.57 min Scan# 233
Delta R.T. 0.01 min
Lab File: VX008046.D
Acq: 13 Mar 2019 13:58

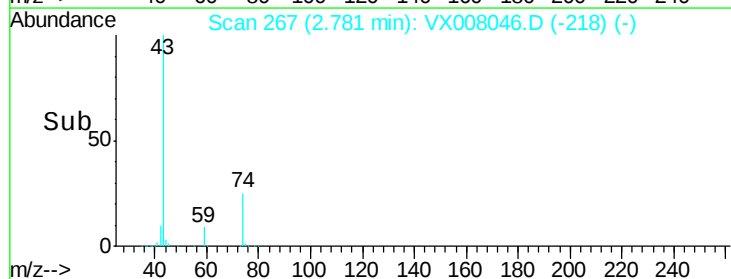
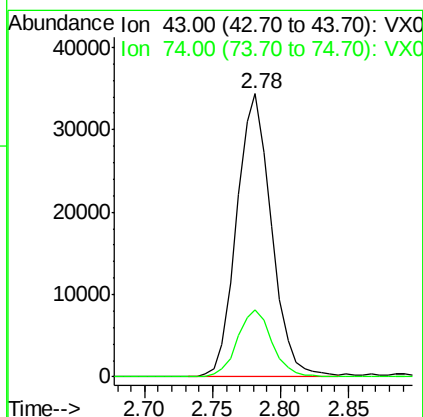
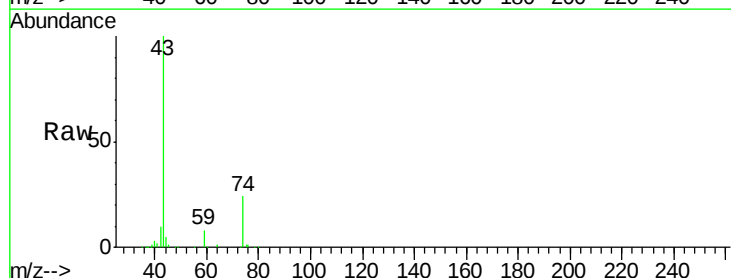
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

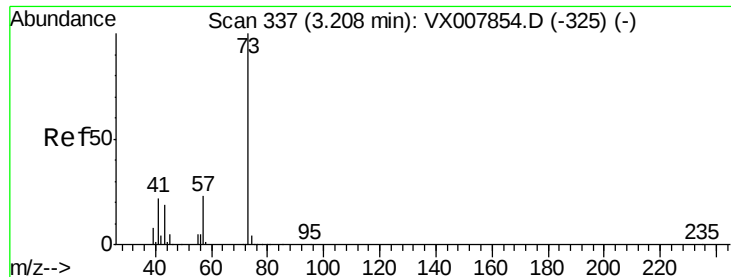
Tot Ion: 76 Resp: 107085
Ion Ratio Lower Upper
76 100
78 9.3 7.2 10.8



#18
Methyl Acetate
Concen: 20.445 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.00 min
Lab File: VX008046.D
Acq: 13 Mar 2019 13:58

Tgt Ion: 43 Resp: 60923
Ion Ratio Lower Upper
43 100
74 24.3 17.8 26.6



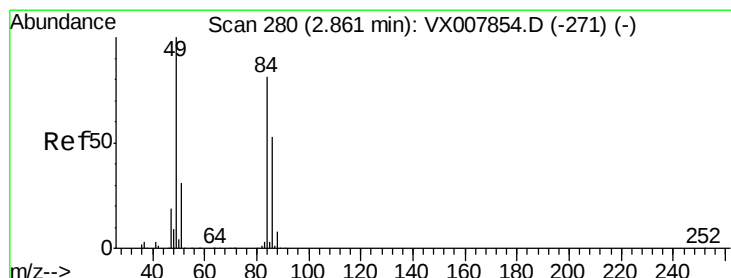
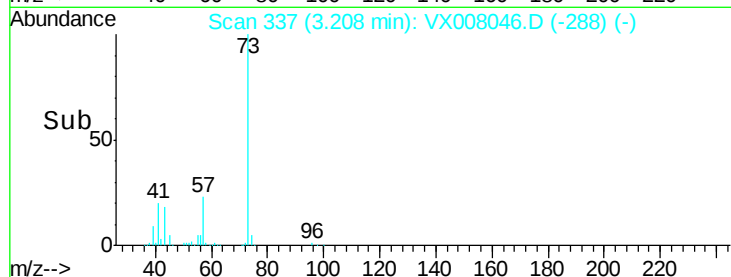
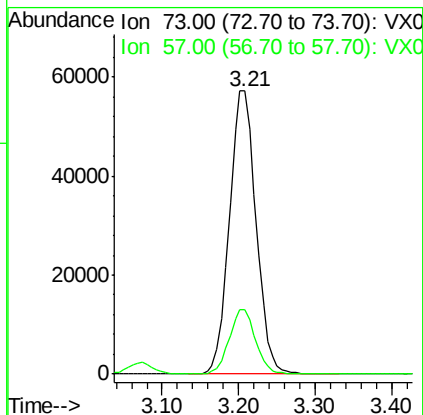
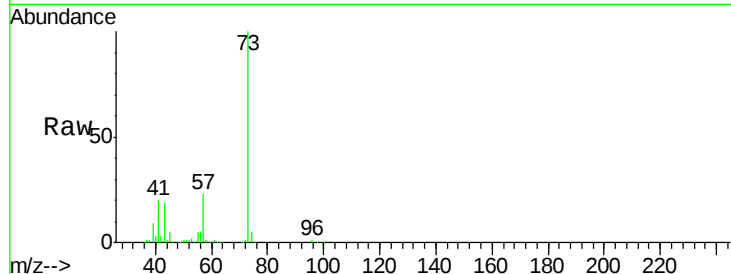


#19

Methyl tert-butyl Ether
 Concen: 20.428 ug/l
 RT: 3.21 min Scan# 337
 Delta R.T. -0.00 min
 Lab File: VX008046.D
 Acq: 13 Mar 2019 13:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

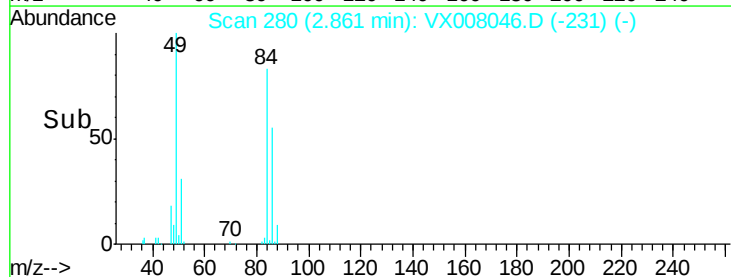
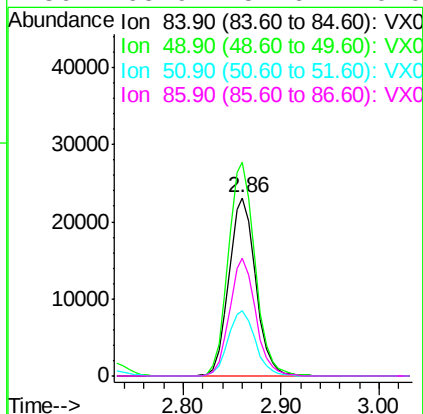
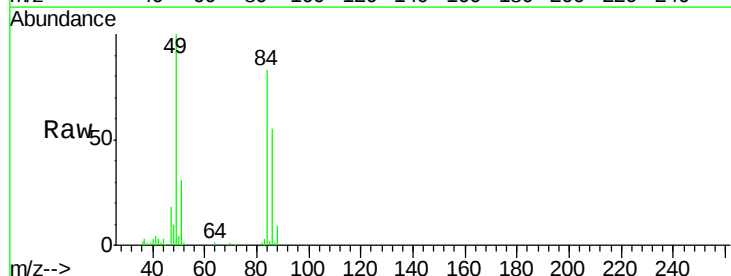
Tot Ion: 73 Resp: 137360
 Ion Ratio Lower Upper
 73 100
 57 22.6 18.2 27.4

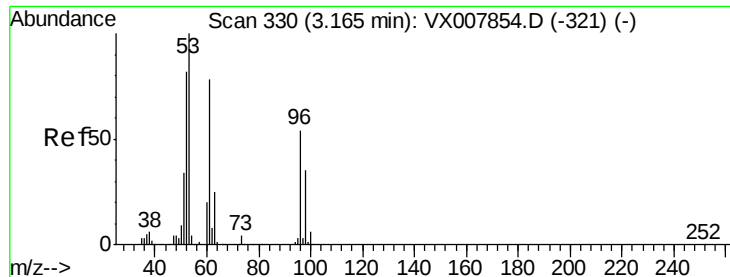


#20

Methylene Chloride
 Concen: 19.651 ug/l
 RT: 2.86 min Scan# 280
 Delta R.T. -0.00 min
 Lab File: VX008046.D
 Acq: 13 Mar 2019 13:58

Tgt Ion: 84 Resp: 43868
 Ion Ratio Lower Upper
 84 100
 49 120.0 99.3 148.9
 51 36.9 31.3 46.9
 86 65.9 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 19.204 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX008046.D

Acq: 13 Mar 2019 13:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

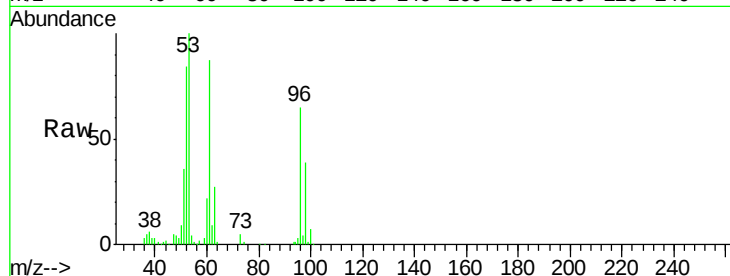
Tot Ion: 96 Resp: 41300

Ion Ratio Lower Upper

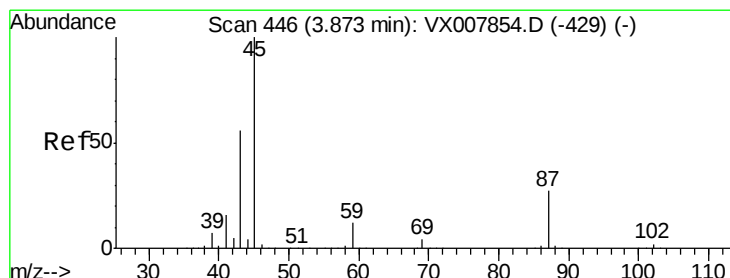
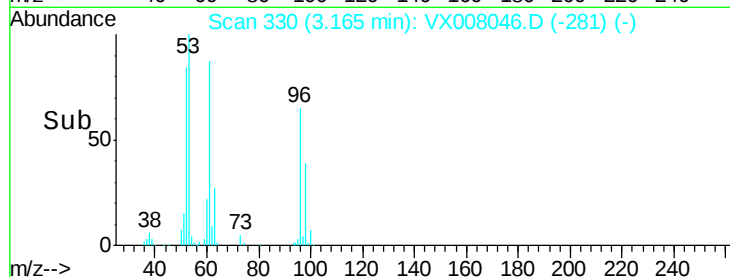
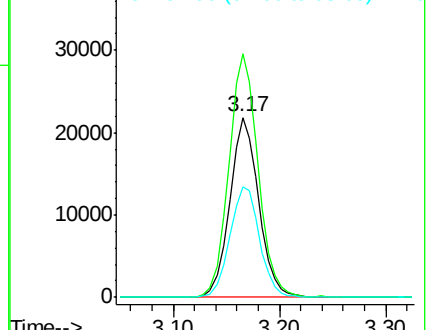
96 100

61 135.3 114.4 171.6

98 61.2 51.1 76.7



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: 20.833 ug/l

RT: 3.87 min Scan# 446

Delta R.T. -0.00 min

Lab File: VX008046.D

Acq: 13 Mar 2019 13:58

Tgt Ion: 45 Resp: 156842

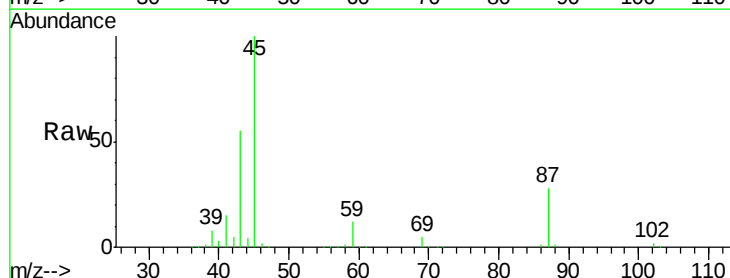
Ion Ratio Lower Upper

45 100

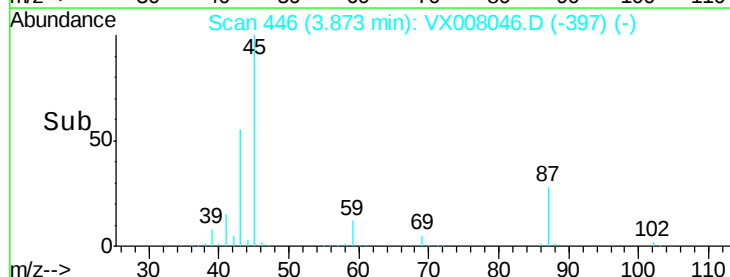
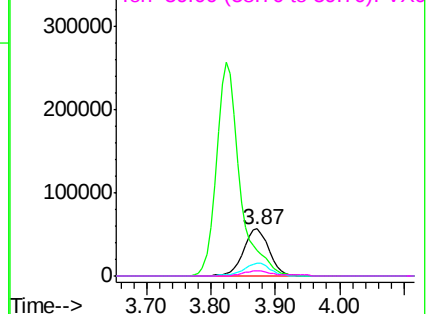
43 55.0 45.3 67.9

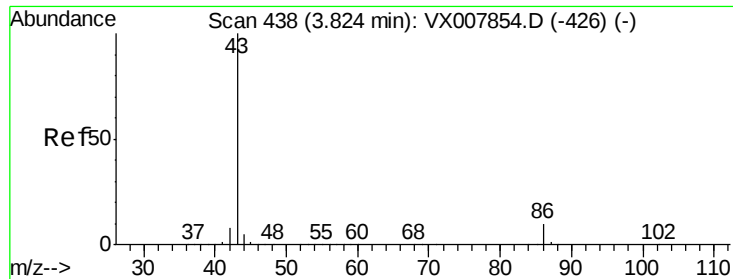
87 27.7 21.4 32.0

59 11.9 9.5 14.3



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: 99.165 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX008046.D

Acq: 13 Mar 2019 13:58

Instrument :

MSVOA_X

ClientSampleId :

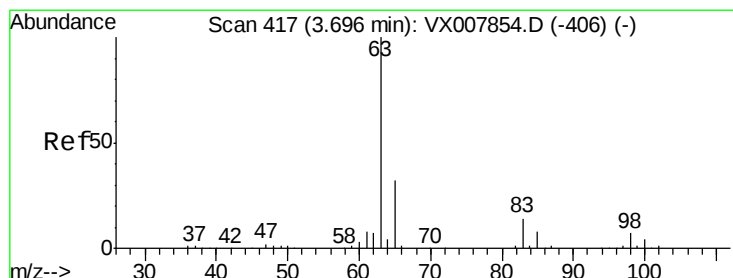
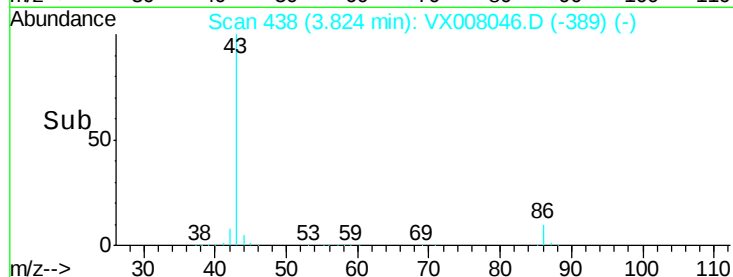
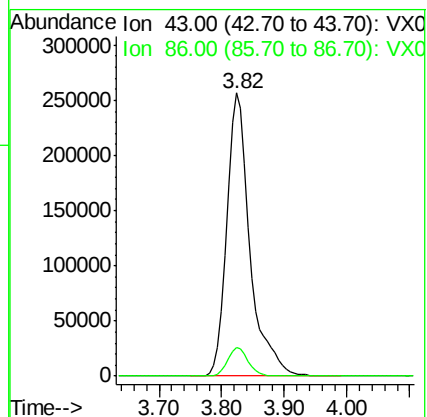
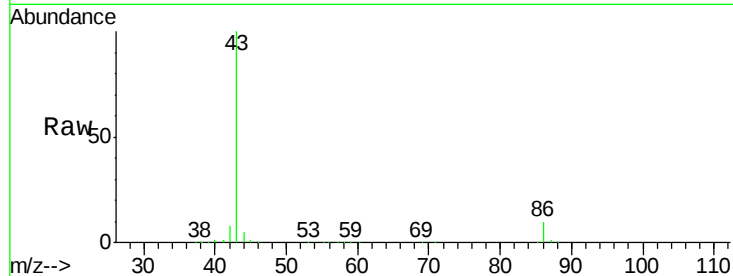
VSTDIC001

Tot Ion: 43 Resp: 654699

Ion Ratio Lower Upper

43 100

86 10.0 7.9 11.9



#24

1,1-Dichloroethane

Concen: 20.499 ug/l

RT: 3.70 min Scan# 418

Delta R.T. 0.01 min

Lab File: VX008046.D

Acq: 13 Mar 2019 13:58

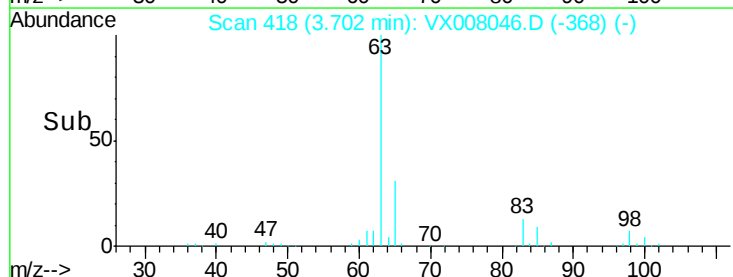
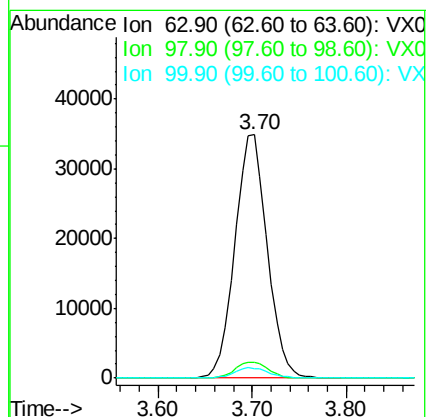
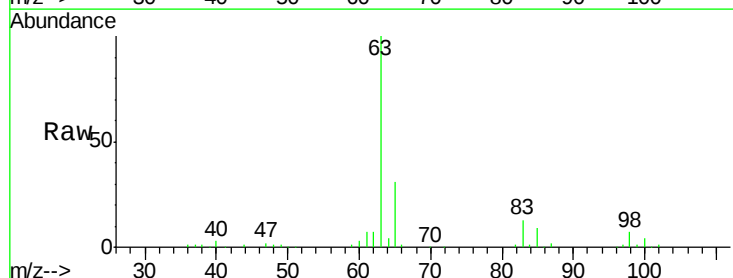
Tgt Ion: 63 Resp: 83055

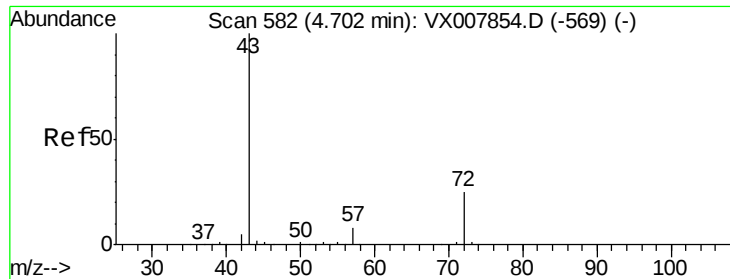
Ion Ratio Lower Upper

63 100

98 6.5 3.3 9.8

100 3.9 2.3 6.8





#25

2-Butanone

Concen: 97.374 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX008046.D

Acq: 13 Mar 2019 13:58

Instrument :

MSVOA_X

ClientSampleId :

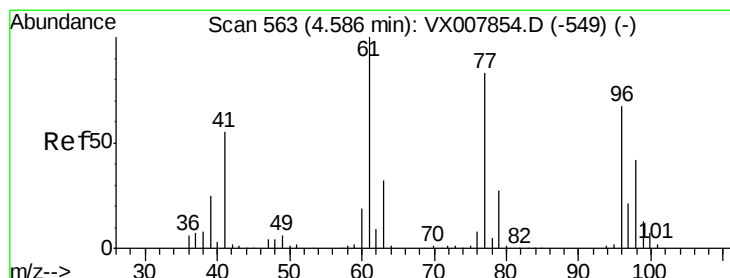
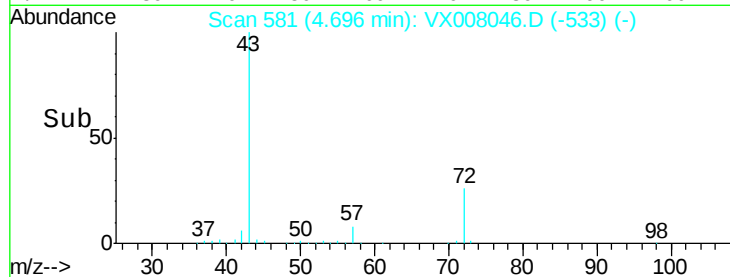
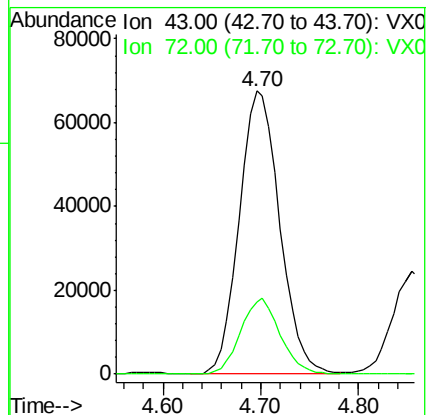
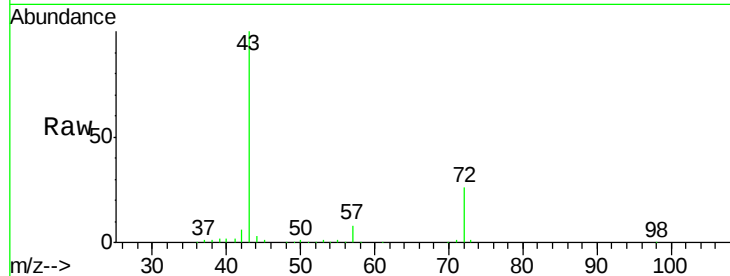
VSTDIC001

Tot Ion: 43 Resp: 193368

Ion Ratio Lower Upper

43 100

72 25.6 19.9 29.9



#26

2,2-Dichloropropane

Concen: 19.136 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX008046.D

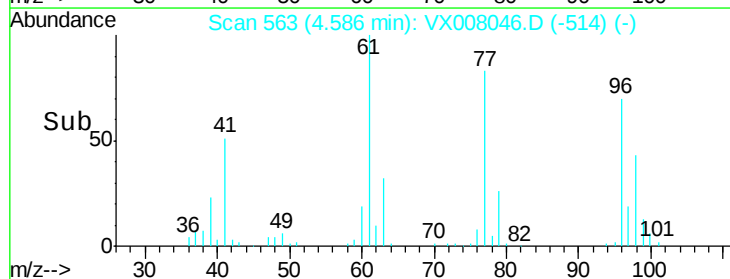
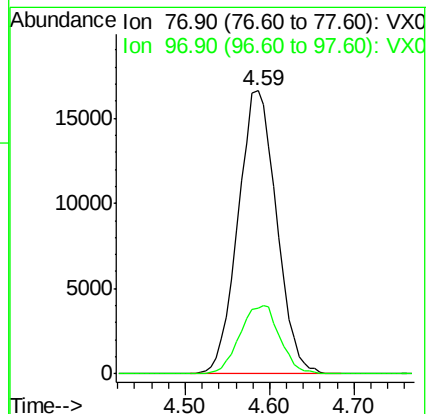
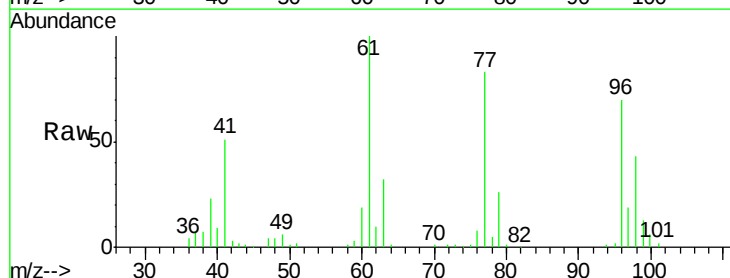
Acq: 13 Mar 2019 13:58

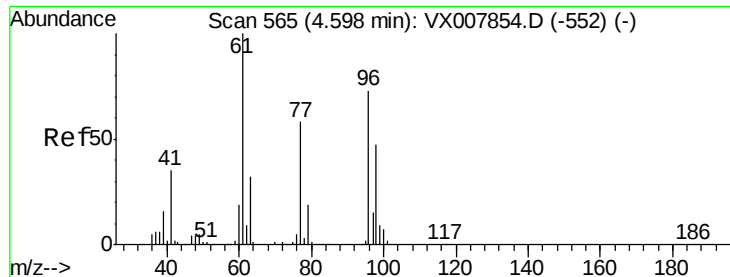
Tgt Ion: 77 Resp: 51365

Ion Ratio Lower Upper

77 100

97 25.1 12.2 36.6



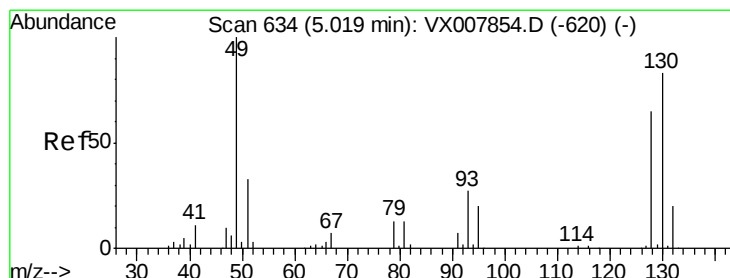
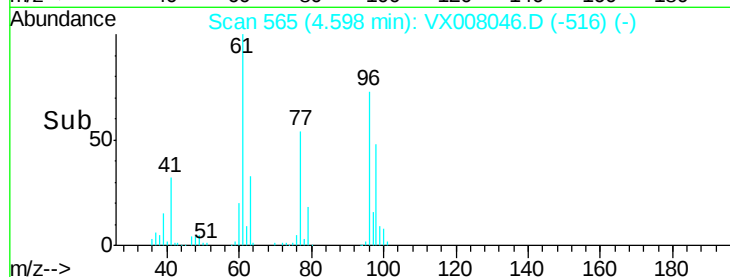
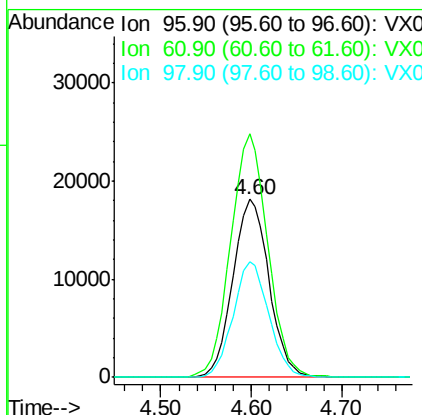
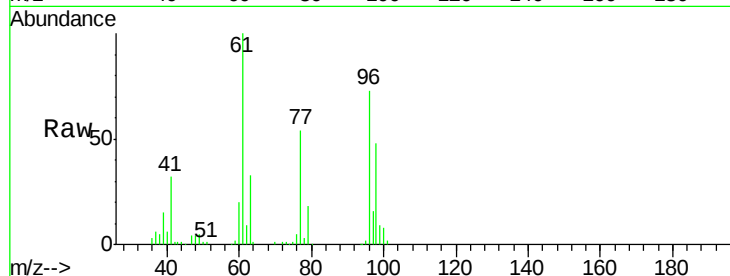


#27

cis-1,2-Dichloroethene
Concen: 20.421 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX008046.D
Acq: 13 Mar 2019 13:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

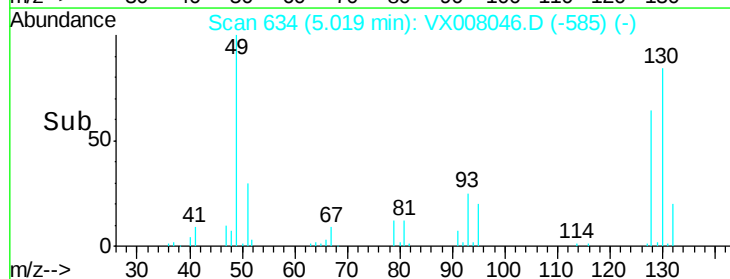
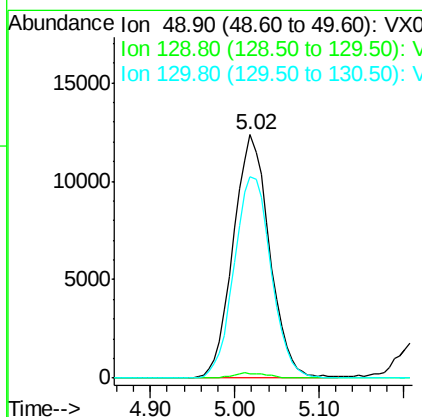
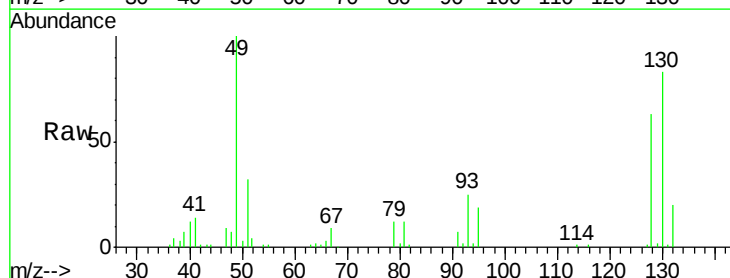
Tot Ion: 96 Resp: 50255
Ion Ratio Lower Upper
96 100
61 140.7 0.0 288.0
98 64.2 0.0 129.0

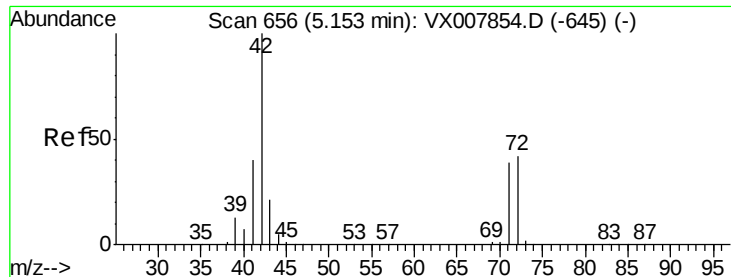


#28

Bromochloromethane
Concen: 19.123 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX008046.D
Acq: 13 Mar 2019 13:58

Tgt Ion: 49 Resp: 36120
Ion Ratio Lower Upper
49 100
129 2.0 0.0 4.0
130 84.1 65.0 97.4

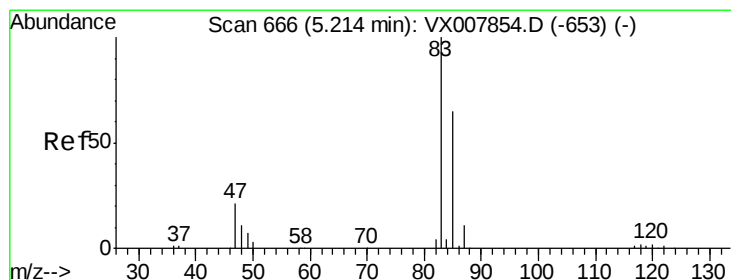
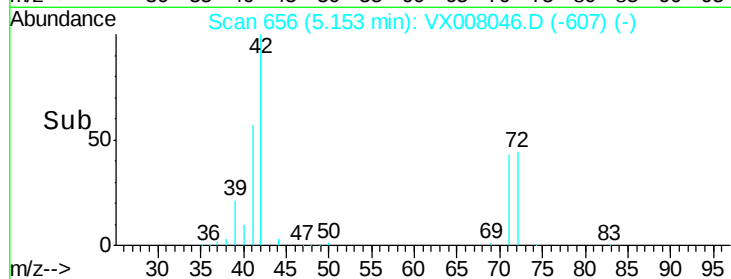
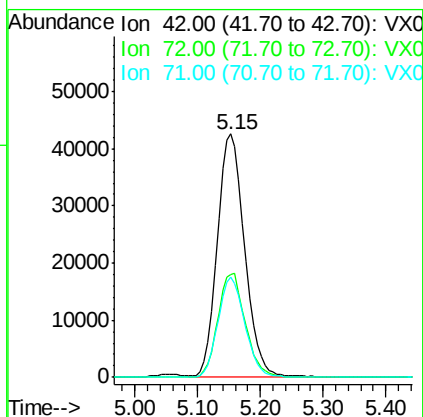
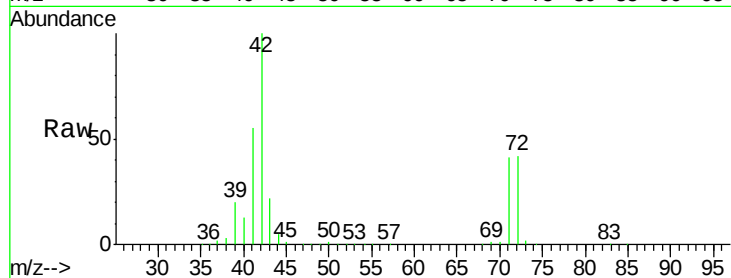




#29
Tetrahydrofuran
Concen: 103.614 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX008046.D
Acq: 13 Mar 2019 13:58

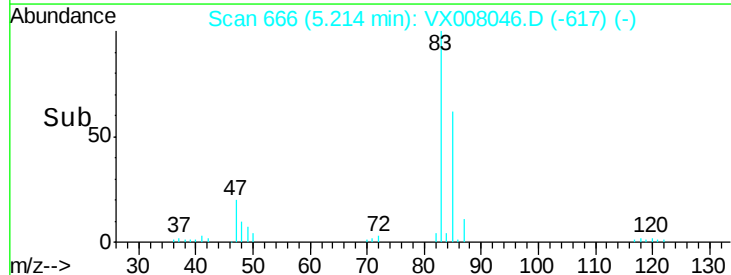
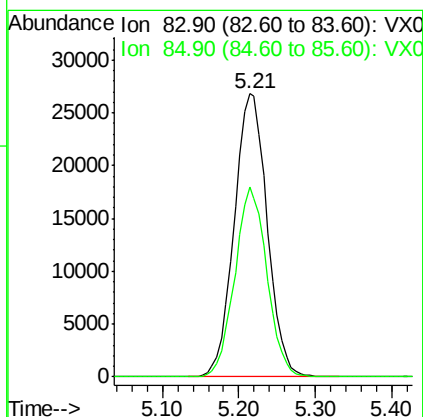
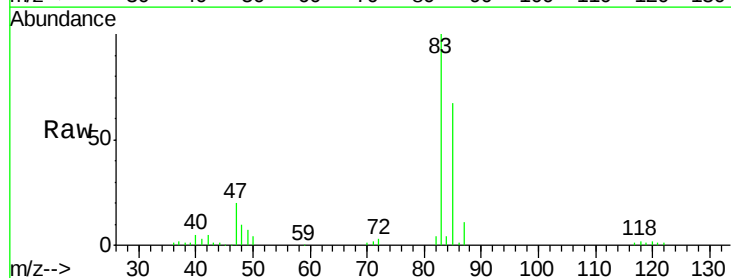
Instrument :
MSVOA_X
ClientSampled :
VSTDIC001

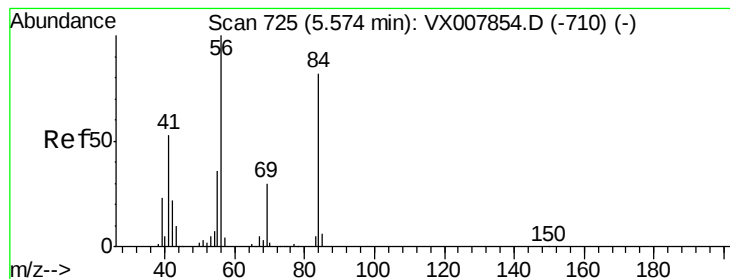
Tot Ion: 42 Resp: 128345
Ion Ratio Lower Upper
42 100
72 43.2 33.8 50.6
71 40.5 31.5 47.3



#30
Chloroform
Concen: 20.897 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX008046.D
Acq: 13 Mar 2019 13:58

Tgt Ion: 83 Resp: 80088
Ion Ratio Lower Upper
83 100
85 67.0 51.8 77.6





#31

Cyclohexane

Concen: 19.775 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX008046.D

Acq: 13 Mar 2019 13:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

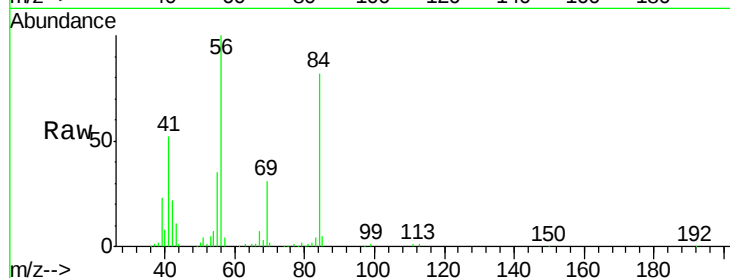
Tot Ion: 56 Resp: 73637

Ion Ratio Lower Upper

56 100

69 31.1 24.0 36.0

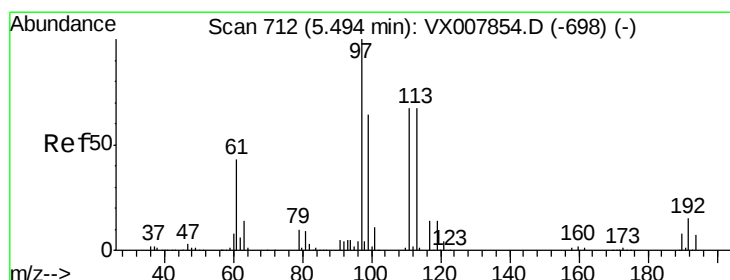
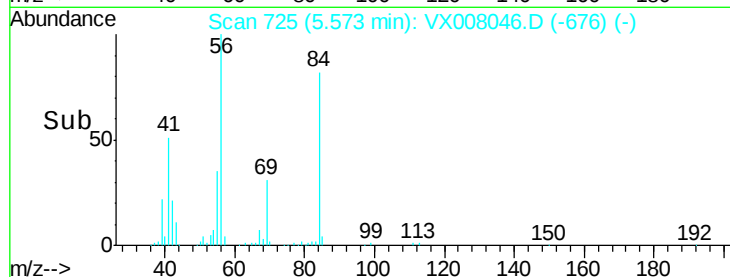
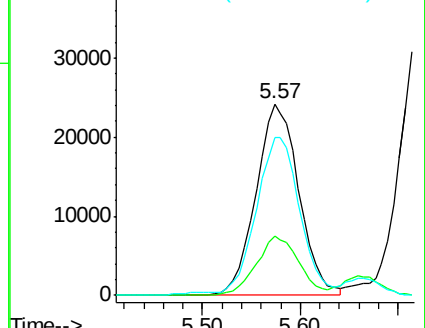
84 81.0 65.3 97.9



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 20.912 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX008046.D

Acq: 13 Mar 2019 13:58

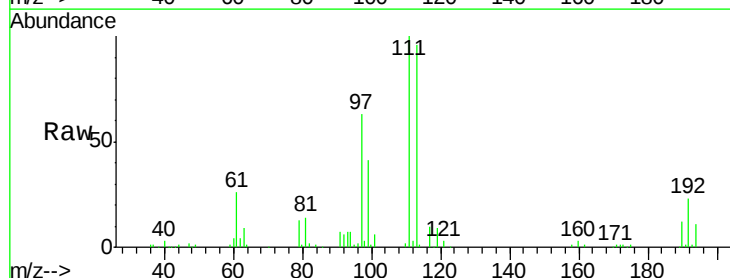
Tgt Ion: 97 Resp: 66498

Ion Ratio Lower Upper

97 100

99 64.2 52.2 78.2

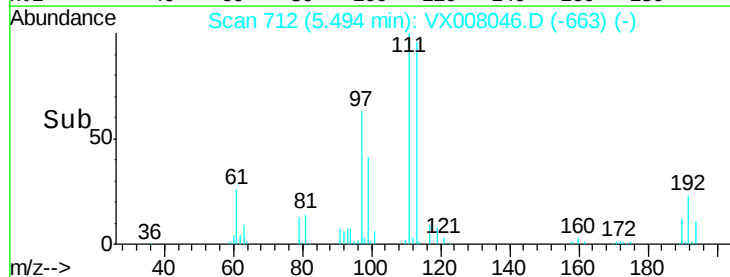
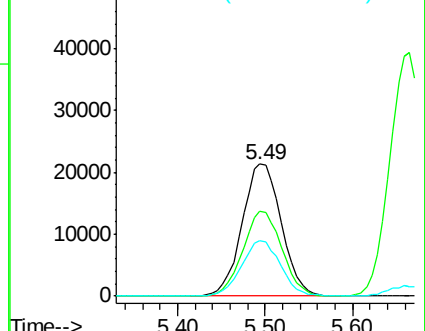
61 41.7 34.9 52.3

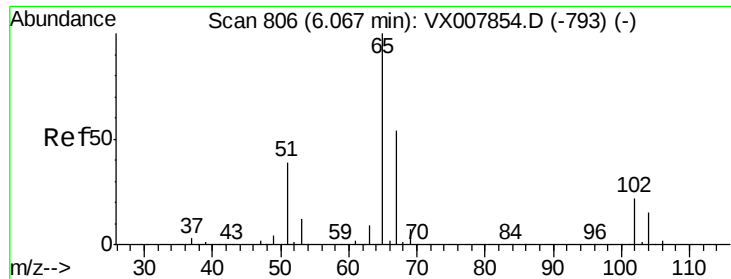


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

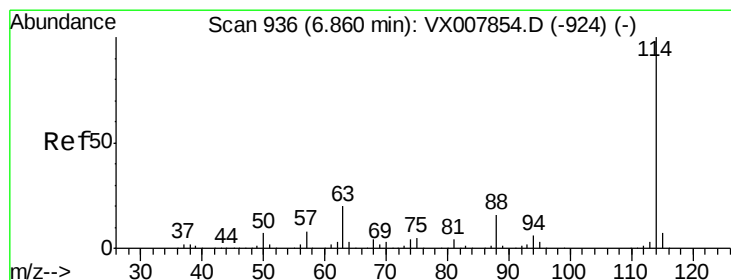
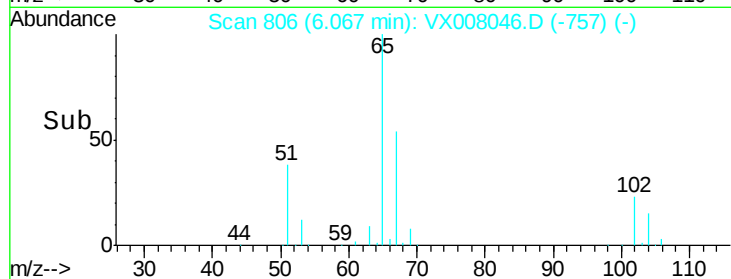
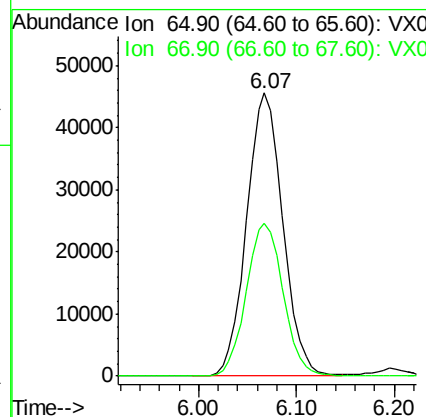
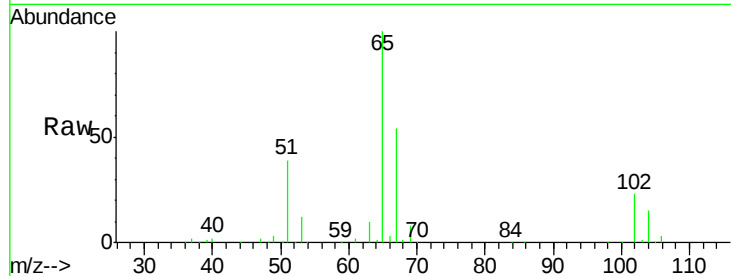




#33
 1,2-Dichloroethane-d4
 Concen: 48.557 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX008046.D
 Acq: 13 Mar 2019 13:58

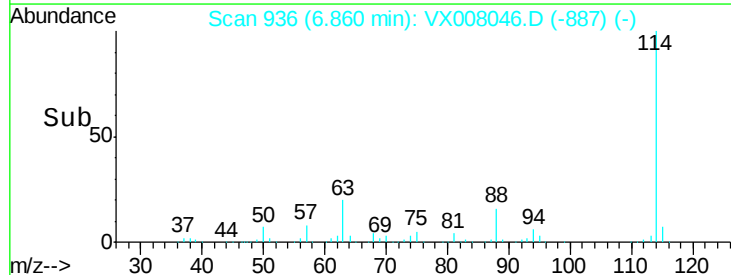
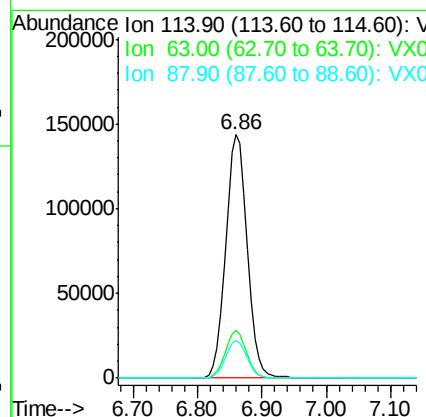
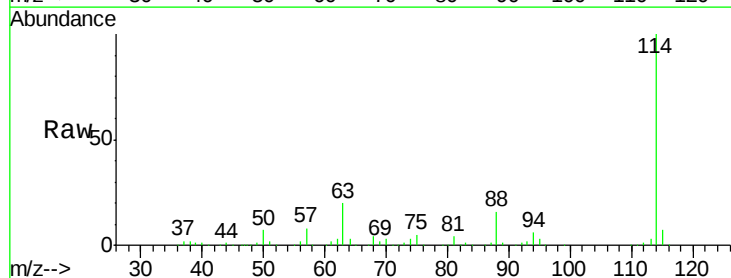
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

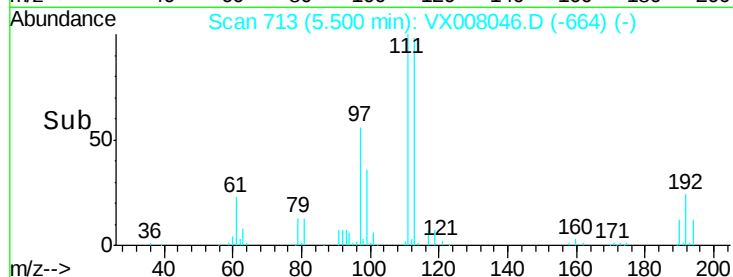
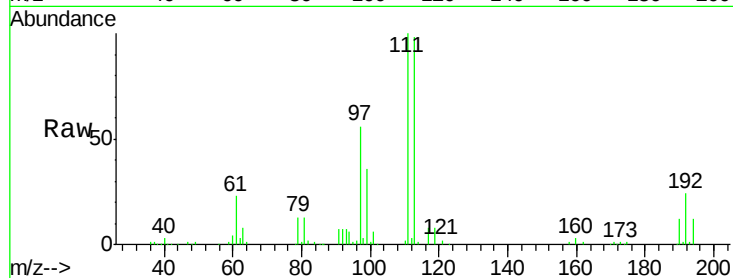
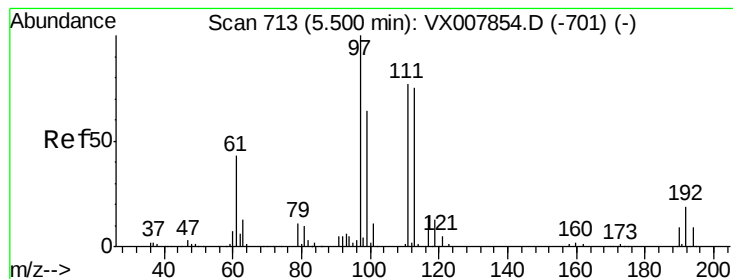
Tot Ion: 65 Resp: 117672
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 110.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008046.D
 Acq: 13 Mar 2019 13:58

Tgt Ion: 114 Resp: 340232
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 39.8
 88 15.5 0.0 31.4





#35

Dibromofluoromethane

Concen: 48.224 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX008046.D

Acq: 13 Mar 2019 13:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

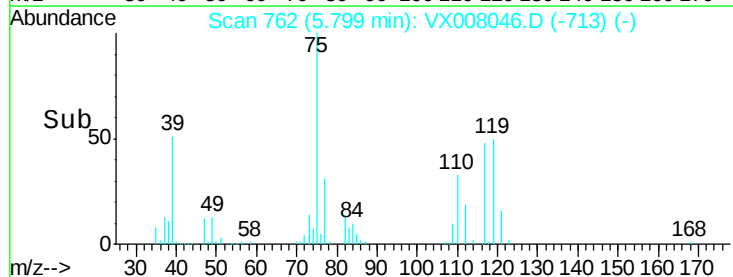
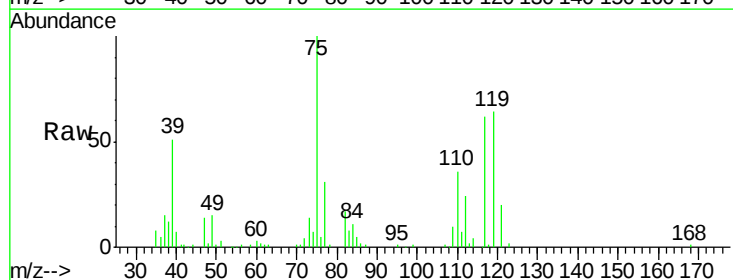
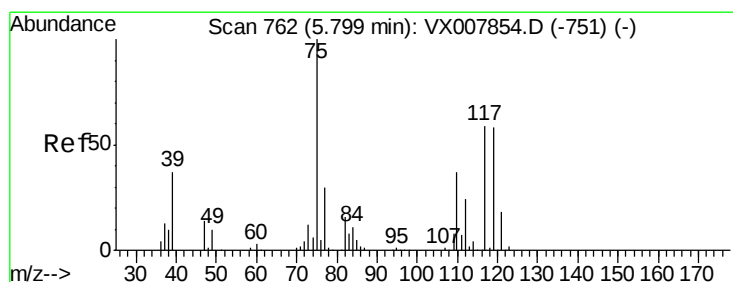
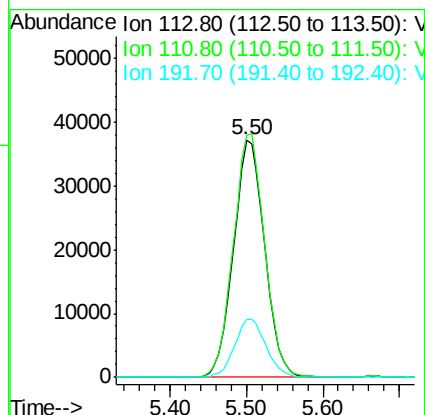
Tot Ion:113 Resp: 104953

Ion Ratio Lower Upper

113 100

111 103.0 81.4 122.0

192 24.5 19.4 29.0



#36

1,1-Dichloropropene

Concen: 19.767 ug/l

RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

Lab File: VX008046.D

Acq: 13 Mar 2019 13:58

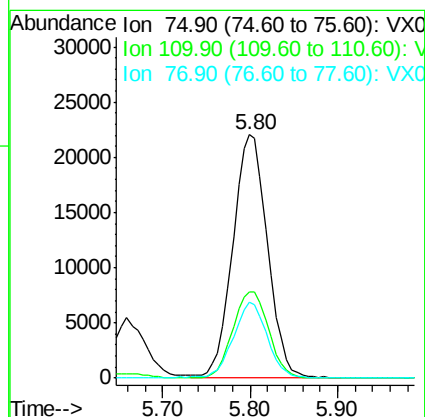
Tgt Ion: 75 Resp: 60896

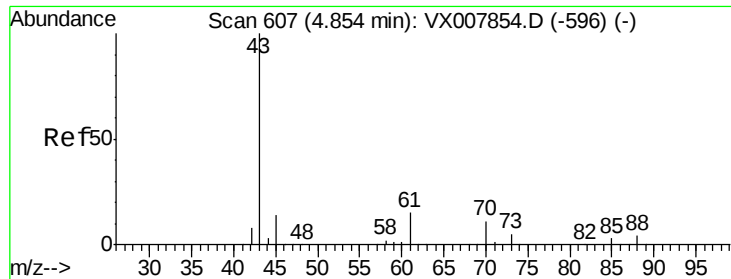
Ion Ratio Lower Upper

75 100

110 36.5 18.4 55.0

77 30.6 25.0 37.4

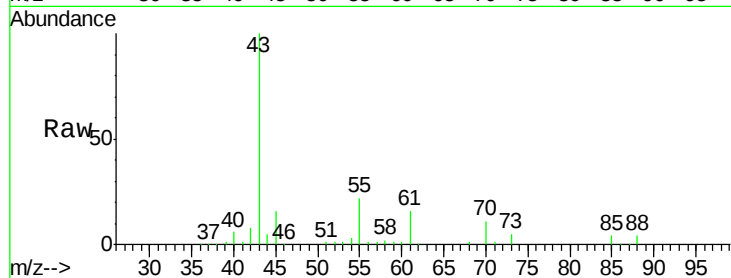




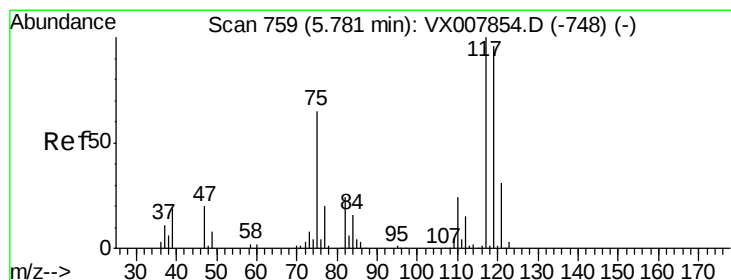
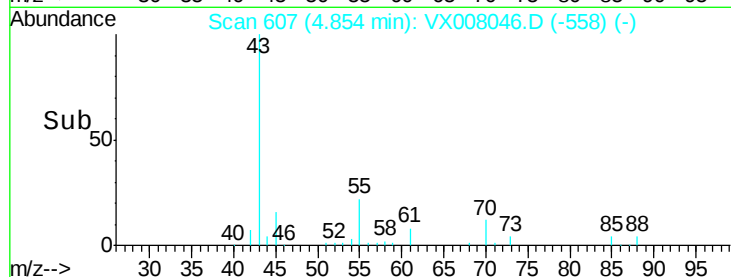
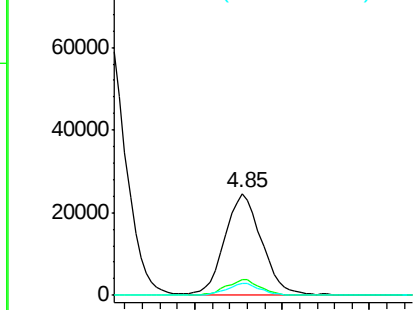
#37
Ethyl Acetate
Concen: 19.525 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX008046.D
Acq: 13 Mar 2019 13:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion: 43 Resp: 71381
Ion Ratio Lower Upper
43 100
61 14.6 11.3 16.9
70 11.0 8.5 12.7

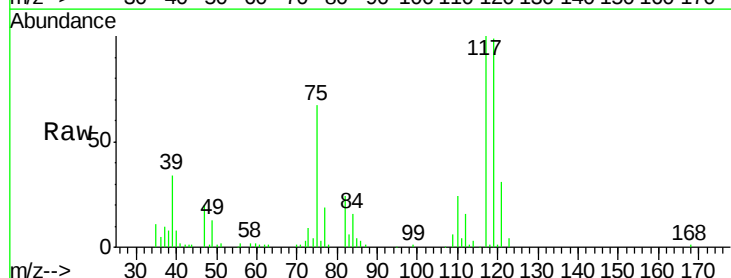


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

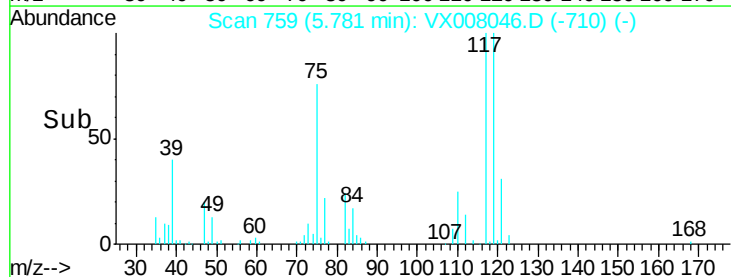
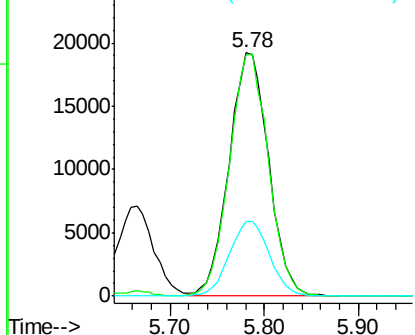


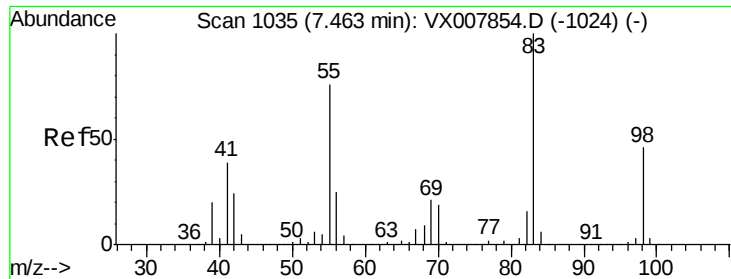
#38
Carbon Tetrachloride
Concen: 19.218 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX008046.D
Acq: 13 Mar 2019 13:58

Tgt Ion: 117 Resp: 56208
Ion Ratio Lower Upper
117 100
119 98.9 76.2 114.2
121 30.6 24.6 36.8



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

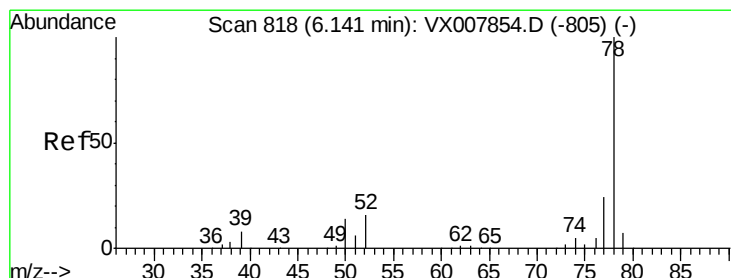
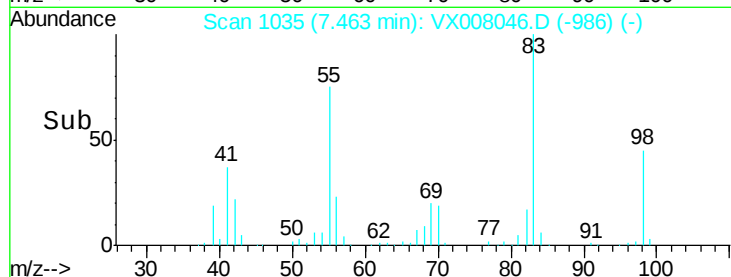
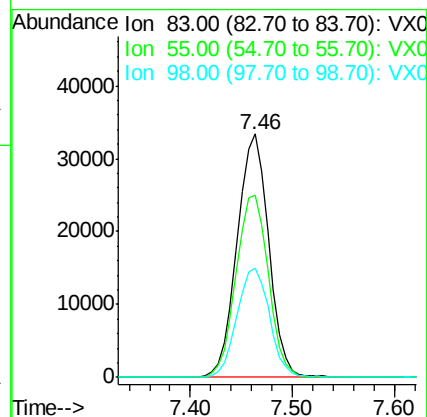
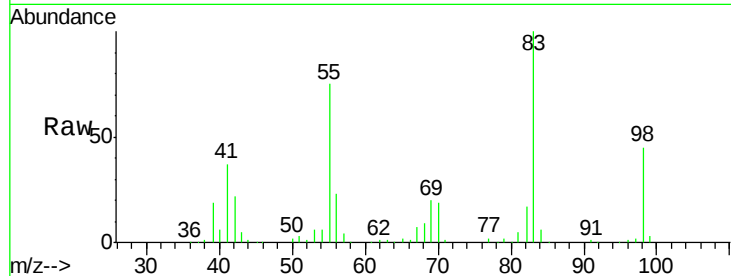




#39
Methvlcvclohexane
Concen: 19.233 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX008046.D
Acq: 13 Mar 2019 13:58

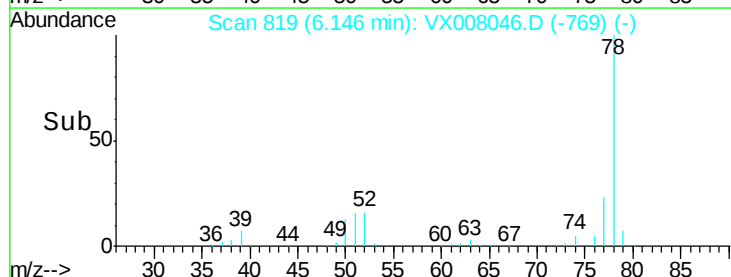
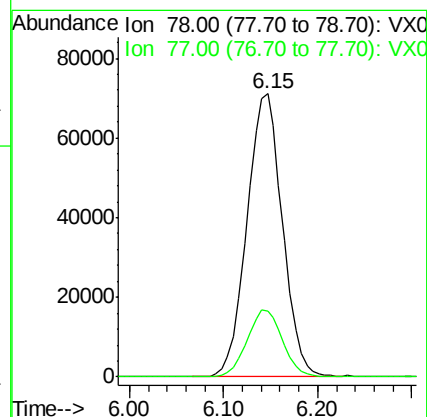
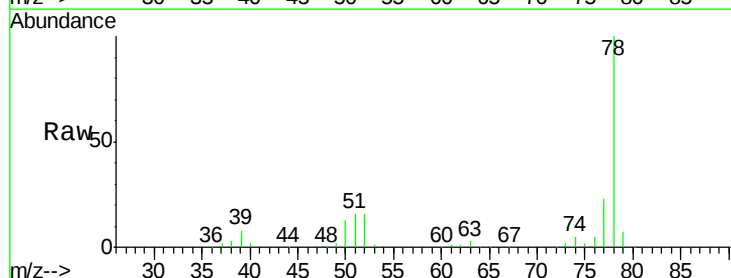
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

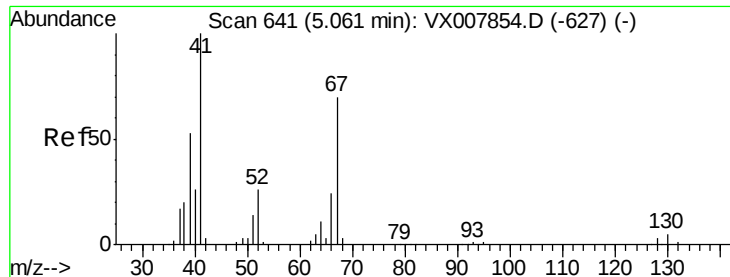
Tot Ion: 83 Resp: 71798
Ion Ratio Lower Upper
83 100
55 74.9 60.4 90.6
98 44.8 36.5 54.7



#40
Benzene
Concen: 20.468 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX008046.D
Acq: 13 Mar 2019 13:58

Tgt Ion: 78 Resp: 187719
Ion Ratio Lower Upper
78 100
77 23.4 19.0 28.4





#41

Methacrylonitrile

Concen: 20.428 ug/l

RT: 5.06 min Scan# 640

Delta R.T. -0.01 min

Lab File: VX008046.D

Acq: 13 Mar 2019 13:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 41 Resp: 40716

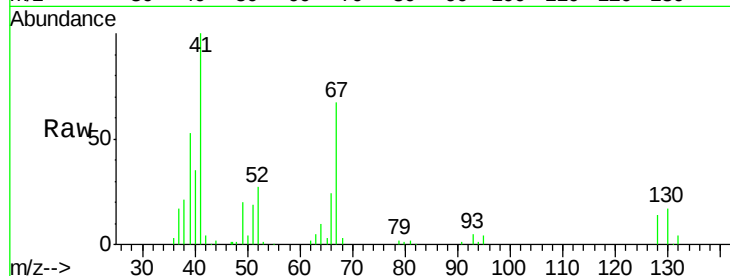
Ion Ratio Lower Upper

41 100

39 52.8 41.6 62.4

67 70.9 55.8 83.6

52 27.3 21.7 32.5

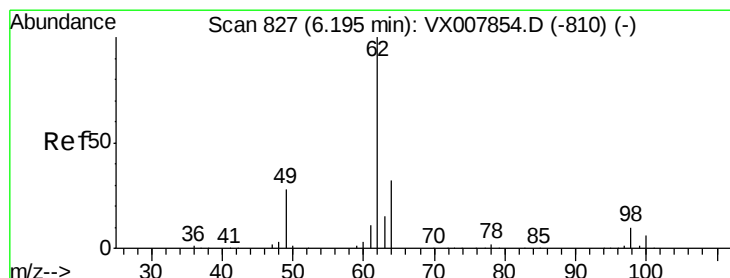
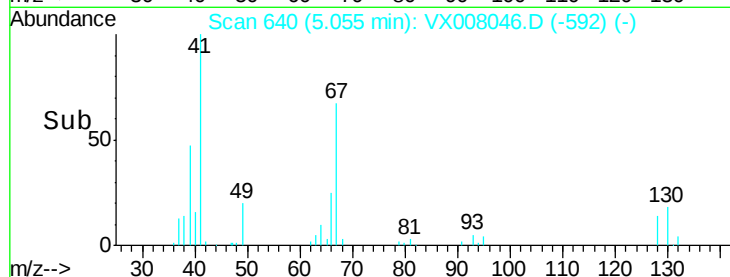
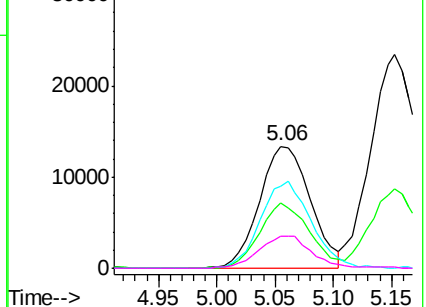


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 20.255 ug/l

RT: 6.20 min Scan# 827

Delta R.T. -0.00 min

Lab File: VX008046.D

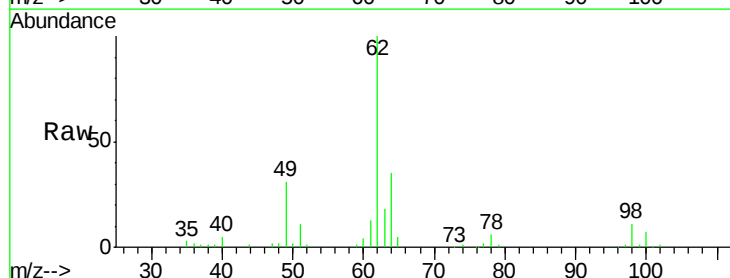
Acq: 13 Mar 2019 13:58

Tgt Ion: 62 Resp: 60751

Ion Ratio Lower Upper

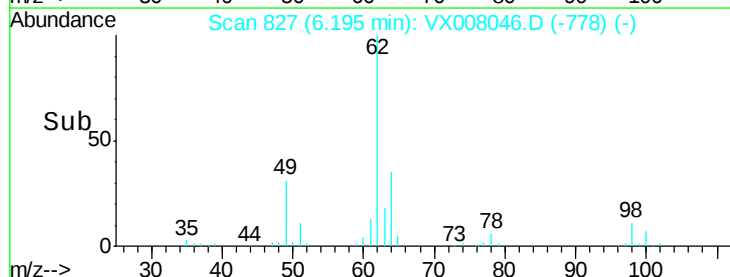
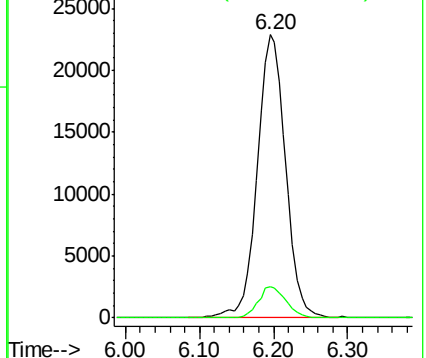
62 100

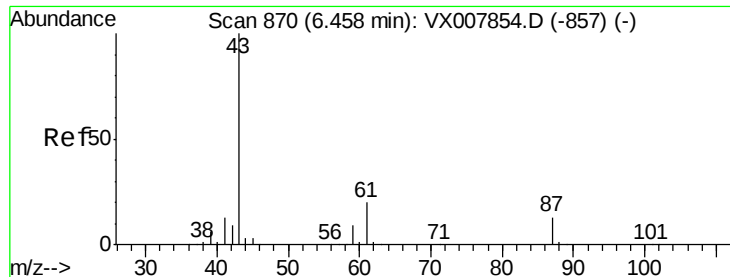
98 10.7 0.0 20.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 20.321 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.00 min

Lab File: VX008046.D

Acq: 13 Mar 2019 13:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

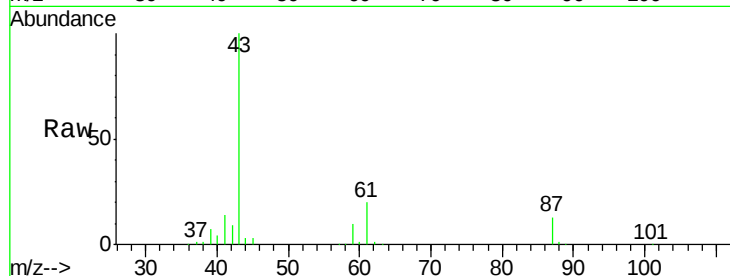
Tot Ion: 43 Resp: 109951

Ion Ratio Lower Upper

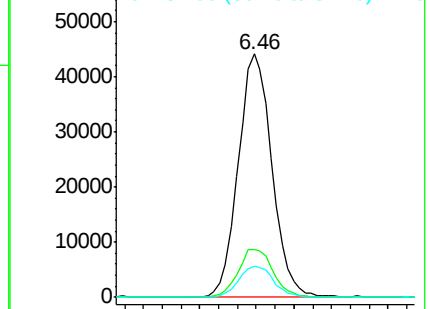
43 100

61 20.7 16.3 24.5

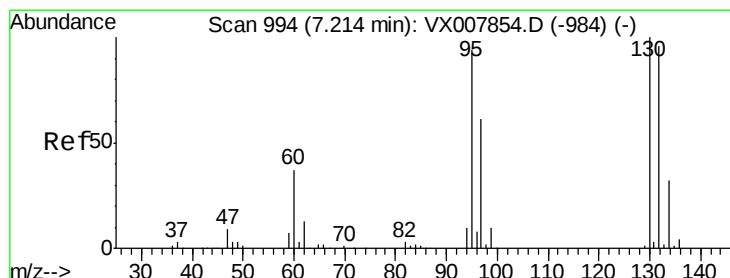
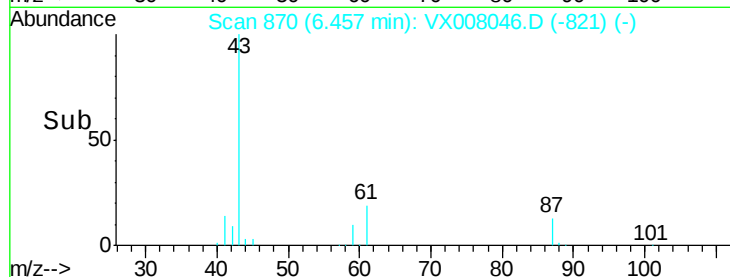
87 13.3 10.5 15.7



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



Time-->



#44

Trichloroethene

Concen: 20.404 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX008046.D

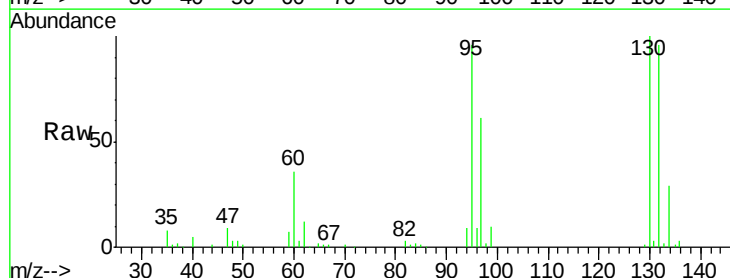
Acq: 13 Mar 2019 13:58

Tgt Ion:130 Resp: 51570

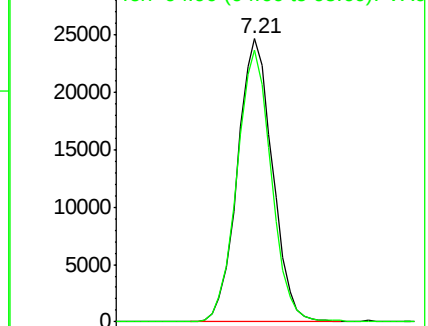
Ion Ratio Lower Upper

130 100

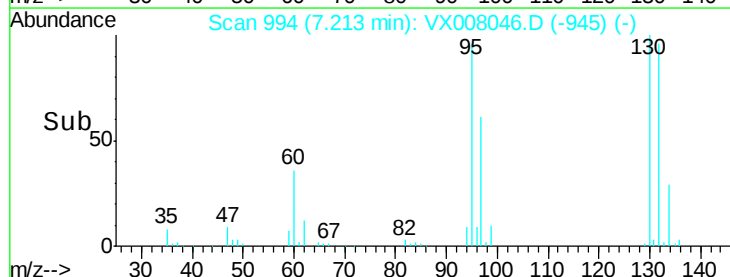
95 96.1 0.0 188.0

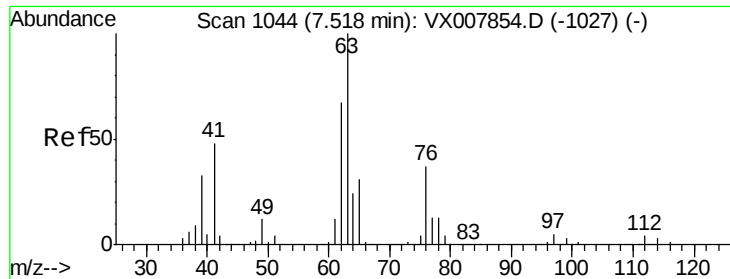


Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VX0



Time-->

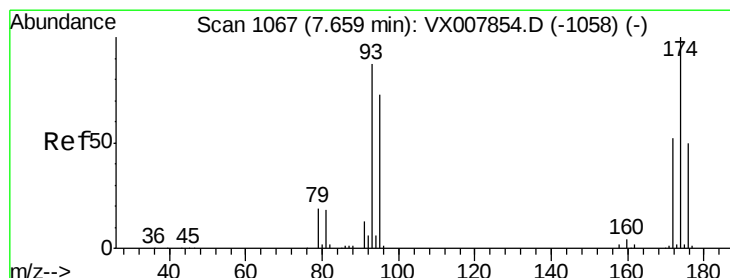
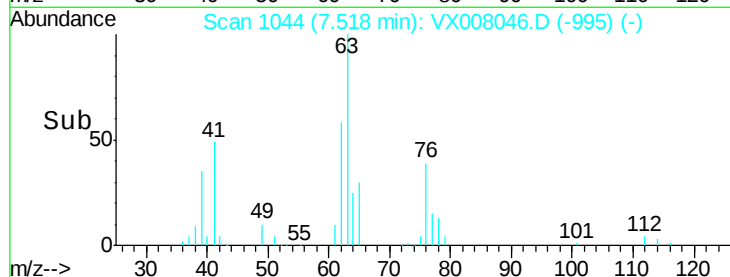
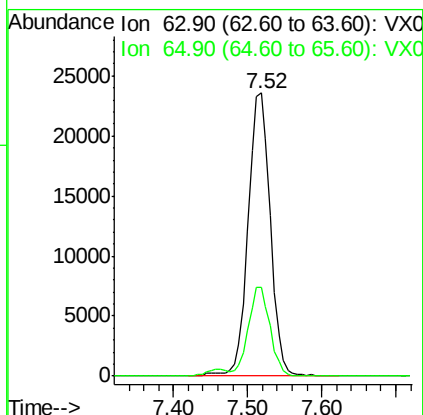
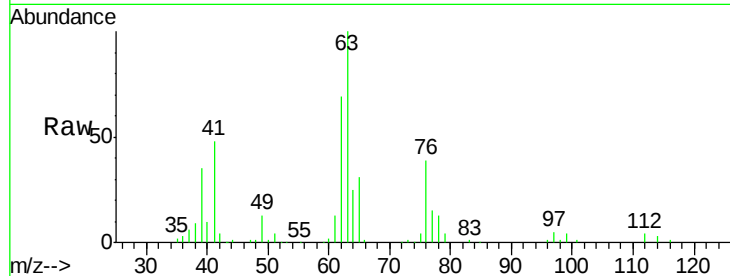




#45
 1,2-Dichloropropane
 Concen: 20.472 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. -0.00 min
 Lab File: VX008046.D
 Acq: 13 Mar 2019 13:58

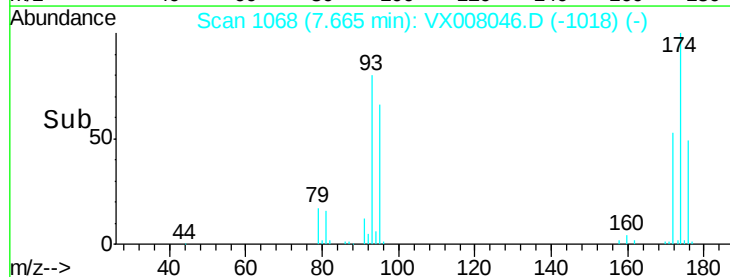
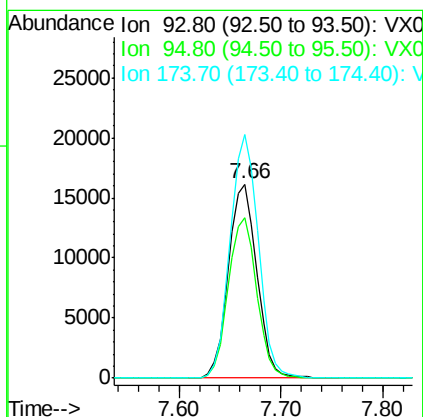
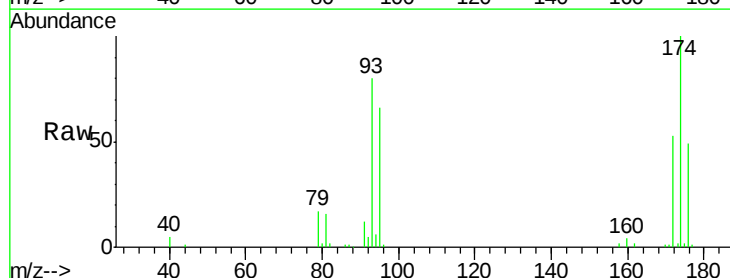
Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC001

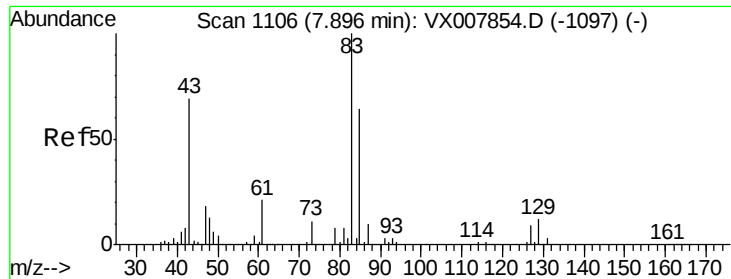
Tot Ion: 63 Resp: 49590
 Ion Ratio Lower Upper
 63 100
 65 31.3 24.7 37.1



#46
 Dibromomethane
 Concen: 20.320 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.01 min
 Lab File: VX008046.D
 Acq: 13 Mar 2019 13:58

Tgt Ion: 93 Resp: 31151
 Ion Ratio Lower Upper
 93 100
 95 82.9 66.8 100.2
 174 124.3 97.3 145.9





#47

Bromodichloromethane

Concen: 19.503 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX008046.D

Acq: 13 Mar 2019 13:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

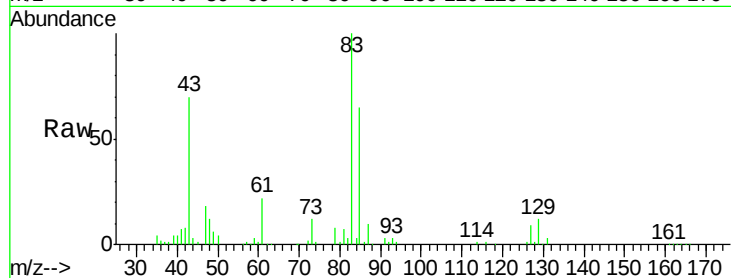
Tot Ion: 83 Resp: 56686

Ion Ratio Lower Upper

83 100

85 64.8 50.9 76.3

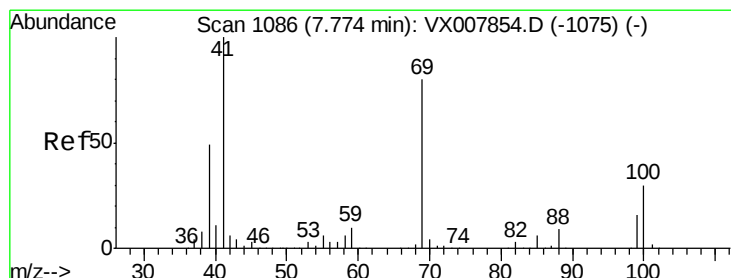
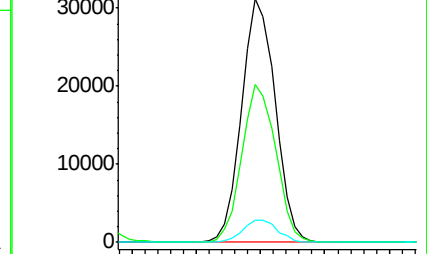
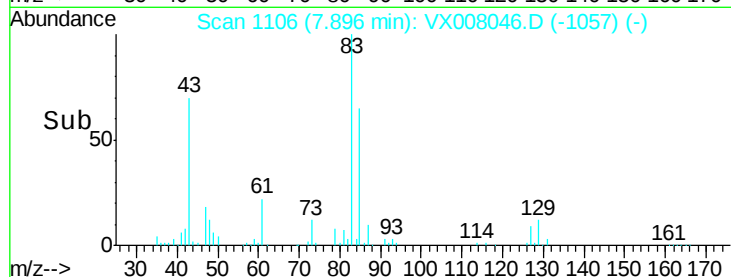
127 9.2 7.4 11.0



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: 20.251 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX008046.D

Acq: 13 Mar 2019 13:58

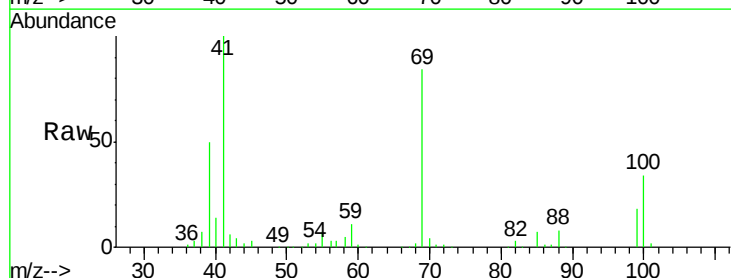
Tgt Ion: 41 Resp: 57607

Ion Ratio Lower Upper

41 100

69 83.9 65.2 97.8

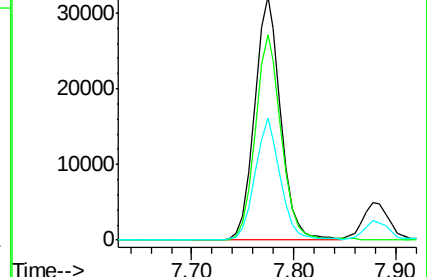
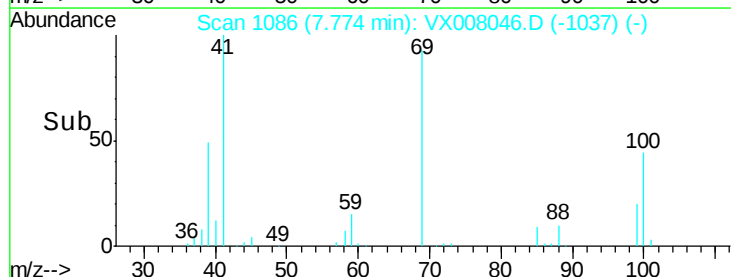
39 48.8 39.4 59.2

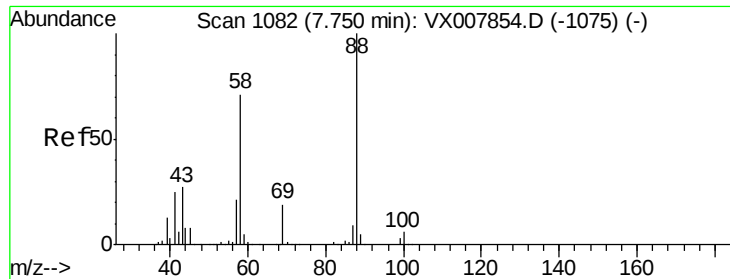


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

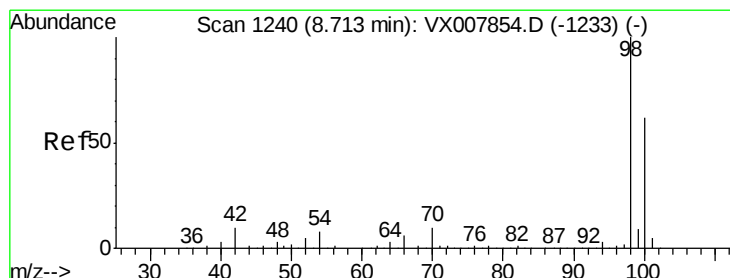
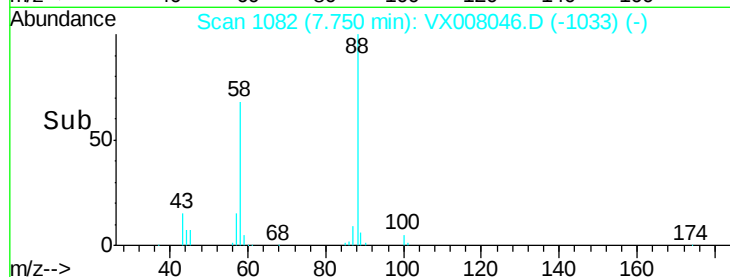
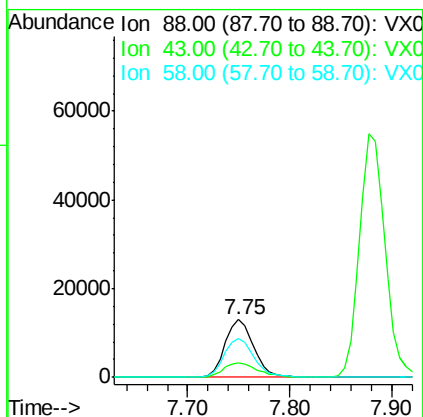
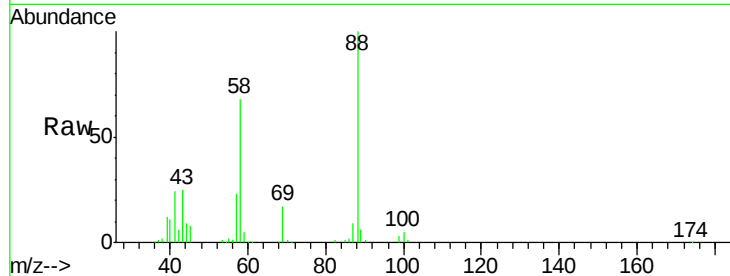




#49
1,4-Dioxane
Concen: 434.033 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.00 min
Lab File: VX008046.D
Acq: 13 Mar 2019 13:58

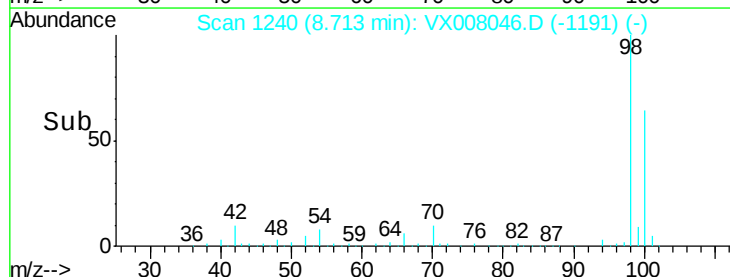
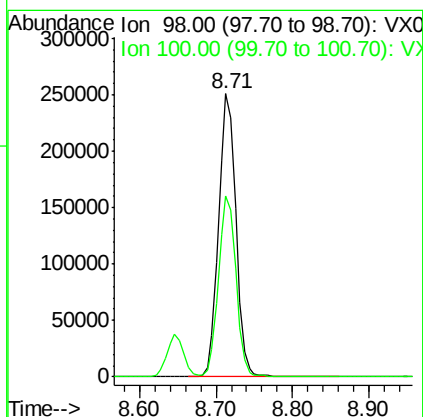
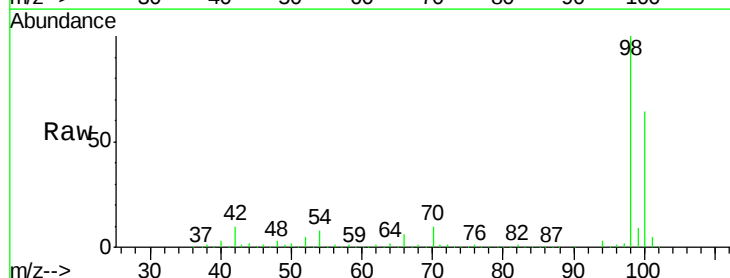
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

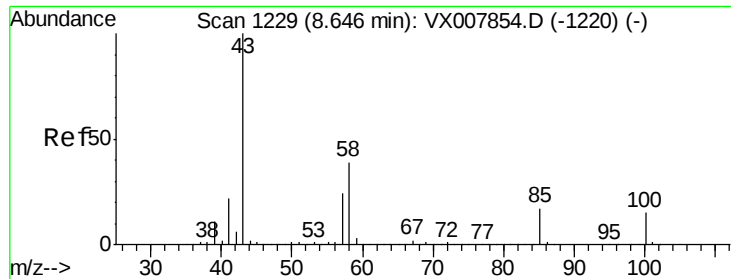
Tot Ion: 88 Resp: 25363
Ion Ratio Lower Upper
88 100
43 29.7 25.1 37.7
58 69.9 57.8 86.6



#50
Toluene-d8
Concen: 49.431 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008046.D
Acq: 13 Mar 2019 13:58

Tgt Ion: 98 Resp: 395093
Ion Ratio Lower Upper
98 100
100 64.5 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 105.481 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX008046.D

Acq: 13 Mar 2019 13:58

Instrument :

MSVOA_X

ClientSampleId :

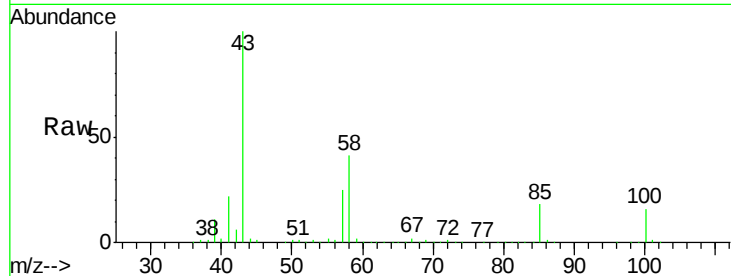
VSTDIC001

Tot Ion: 43 Resp: 367029

Ion Ratio Lower Upper

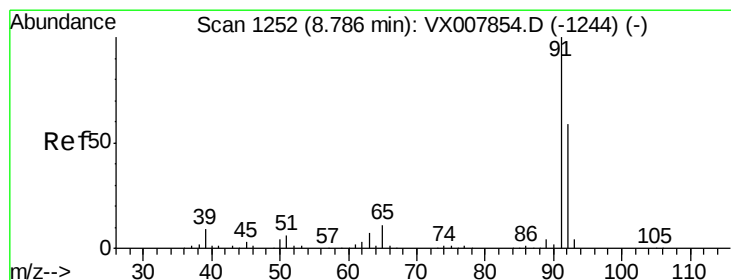
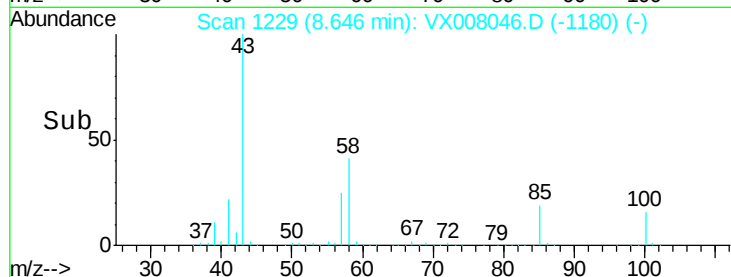
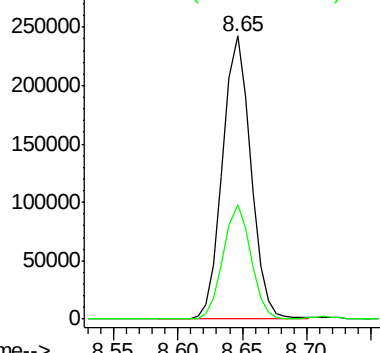
43 100

58 39.8 31.3 46.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 20.697 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX008046.D

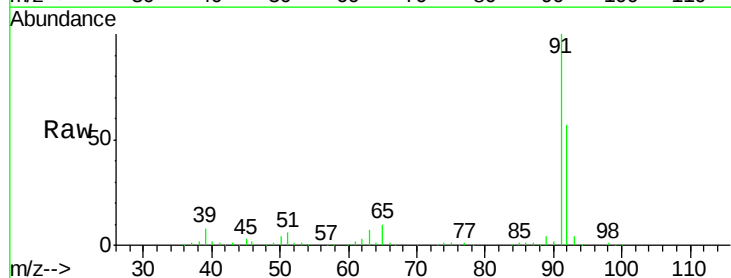
Acq: 13 Mar 2019 13:58

Tgt Ion: 92 Resp: 115891

Ion Ratio Lower Upper

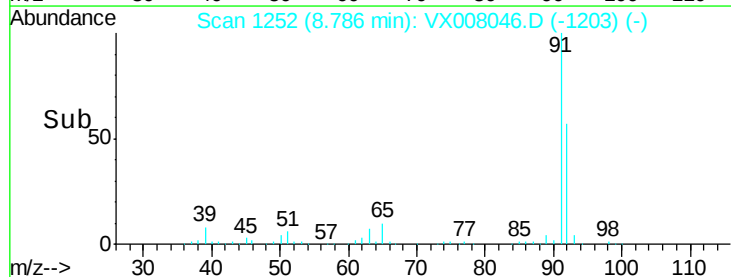
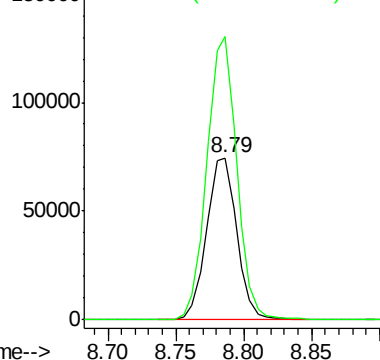
92 100

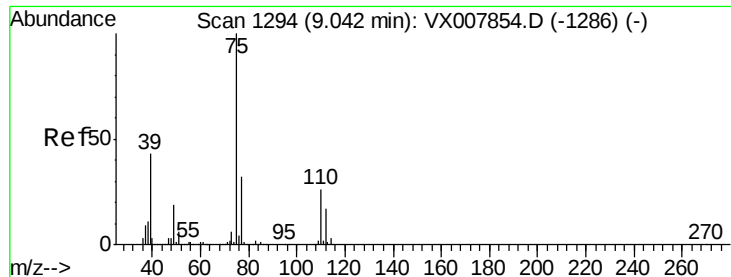
91 173.1 137.4 206.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 20.139 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX008046.D

Acq: 13 Mar 2019 13:58

Instrument :

MSVOA_X

ClientSampleId :

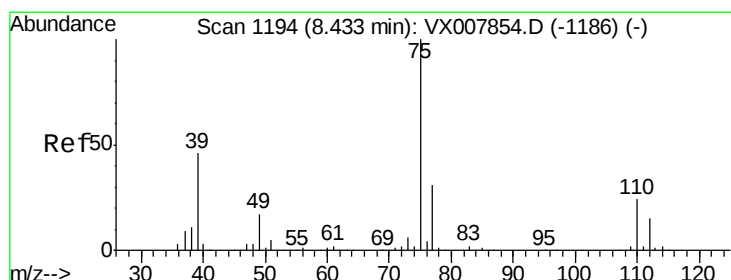
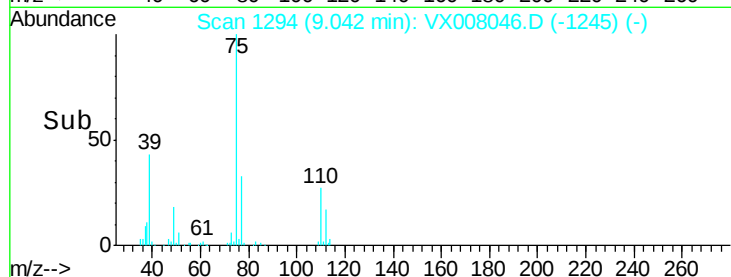
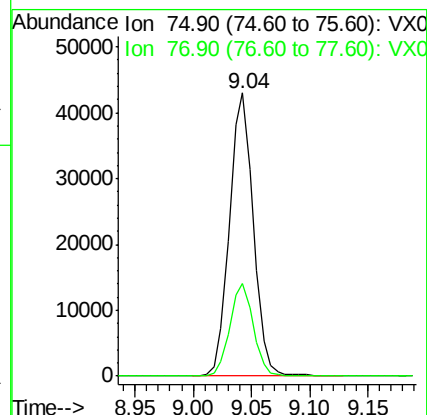
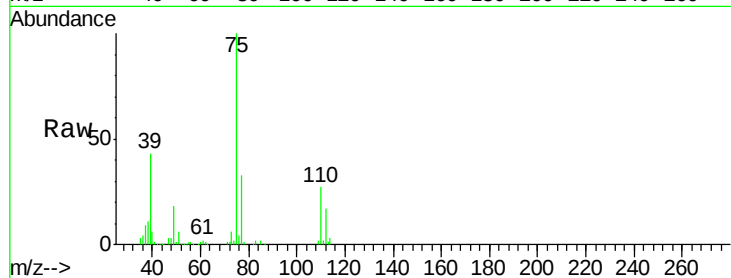
VSTDIC001

Tot Ion: 75 Resp: 61095

Ion Ratio Lower Upper

75 100

77 32.7 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 20.144 ug/l

RT: 8.44 min Scan# 1195

Delta R.T. 0.01 min

Lab File: VX008046.D

Acq: 13 Mar 2019 13:58

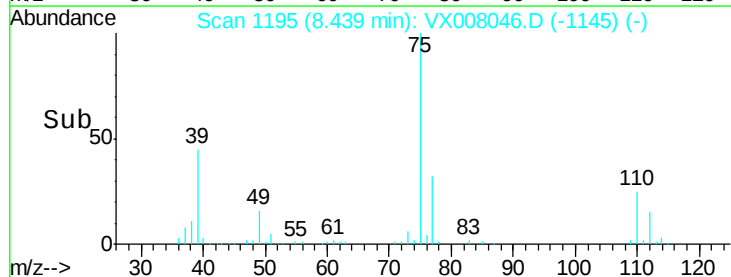
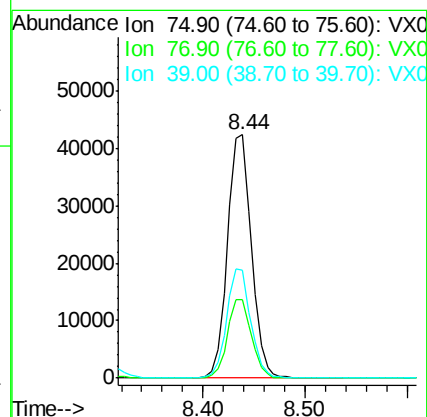
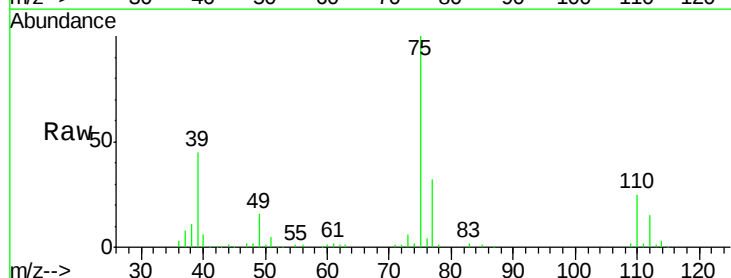
Tgt Ion: 75 Resp: 69007

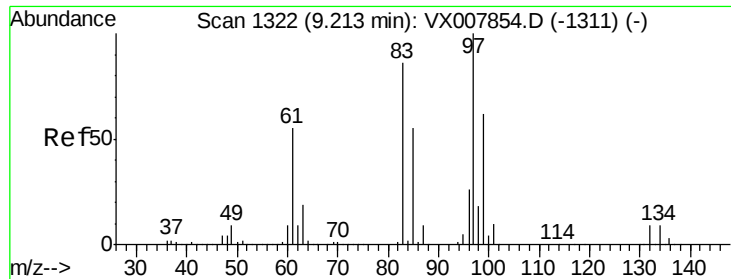
Ion Ratio Lower Upper

75 100

77 32.2 25.0 37.6

39 44.4 36.6 54.8

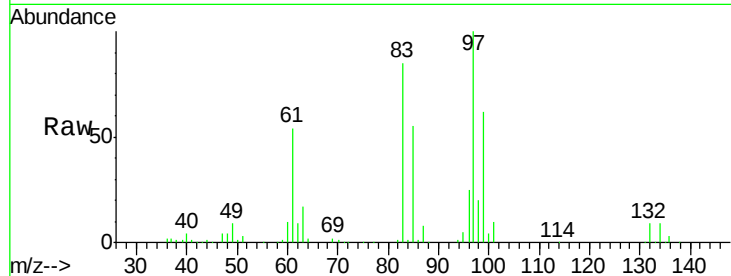




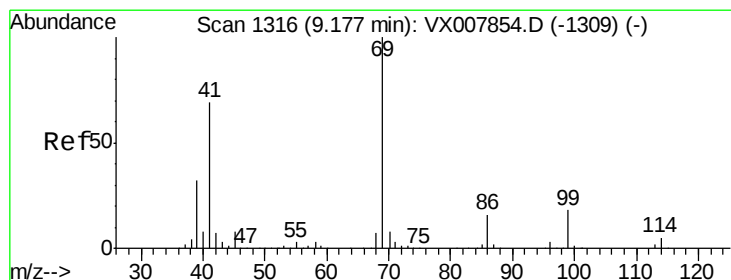
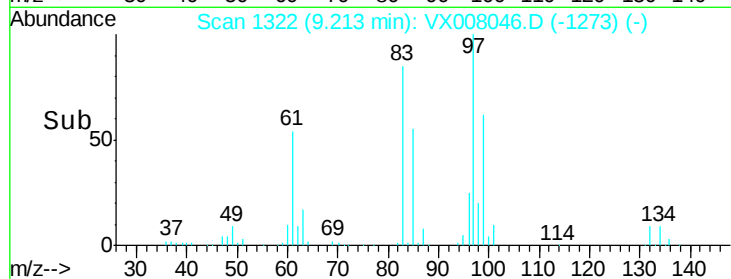
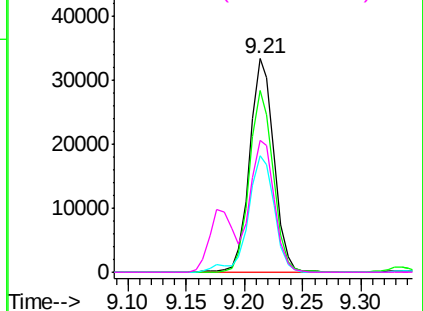
#55
 1,1,2-Trichloroethane
 Concen: 21.413 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX008046.D
 Acq: 13 Mar 2019 13:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion: 97 Resp: 48537
 Ion Ratio Lower Upper
 97 100
 83 85.0 69.1 103.7
 85 54.7 44.3 66.5
 99 61.8 49.8 74.8

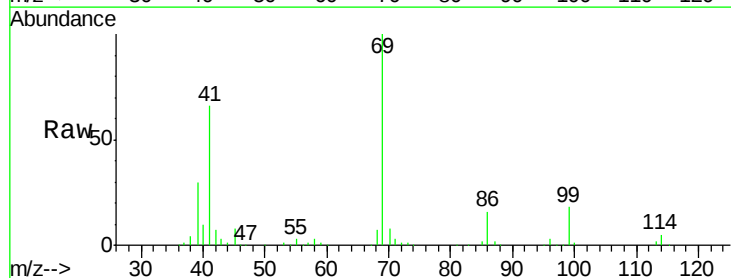


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

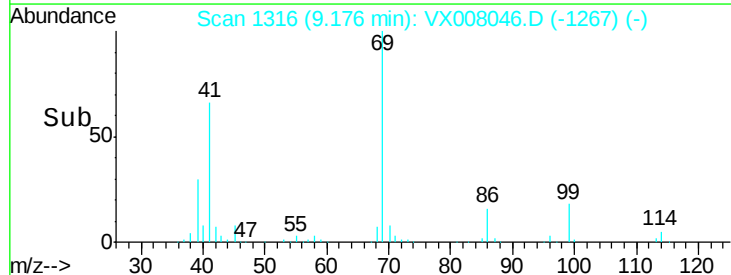
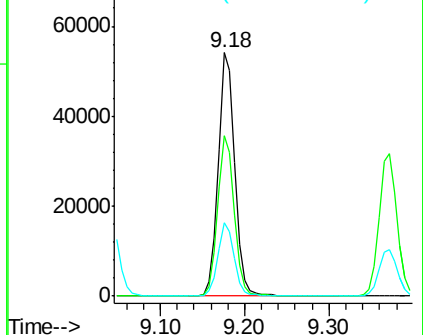


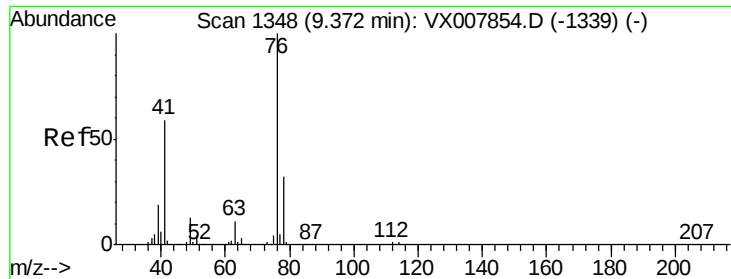
#56
 Ethyl methacrylate
 Concen: 21.755 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX008046.D
 Acq: 13 Mar 2019 13:58

Tgt Ion: 69 Resp: 74041
 Ion Ratio Lower Upper
 69 100
 41 65.8 54.2 81.4
 39 29.6 25.0 37.4



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

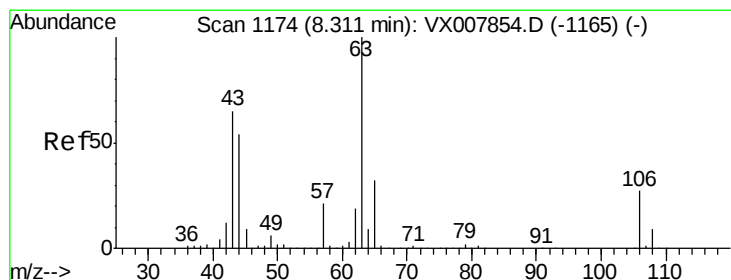
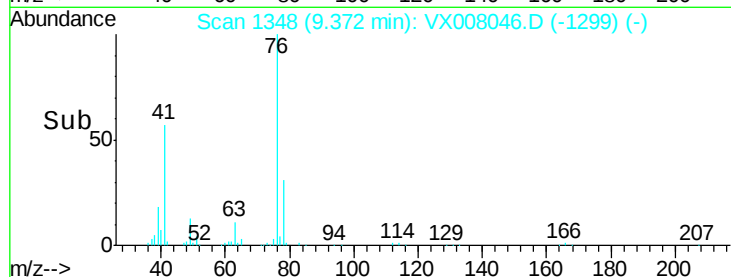
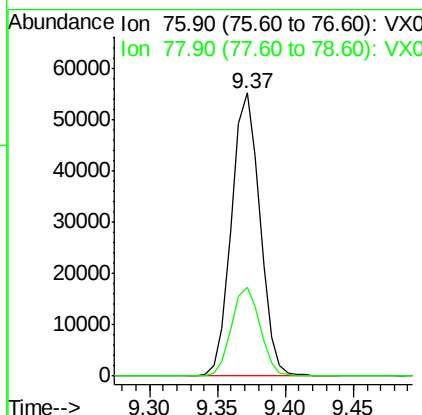
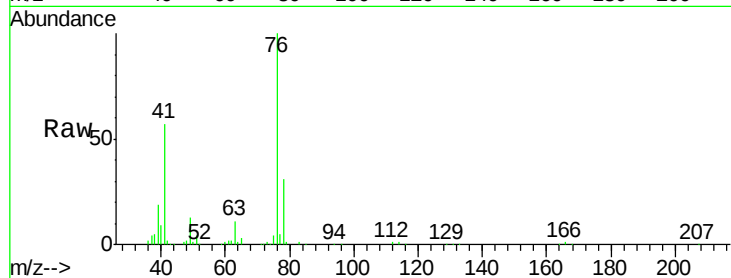




#57
 1,3-Dichloropropane
 Concen: 21.172 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX008046.D
 Acq: 13 Mar 2019 13:58

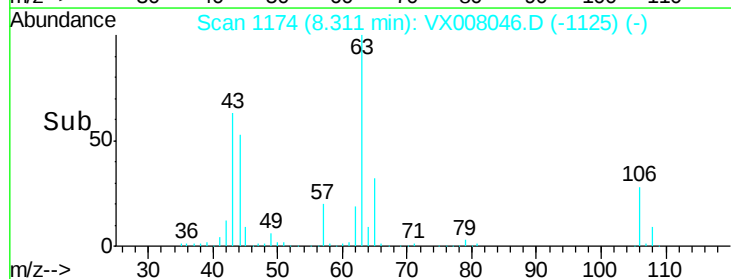
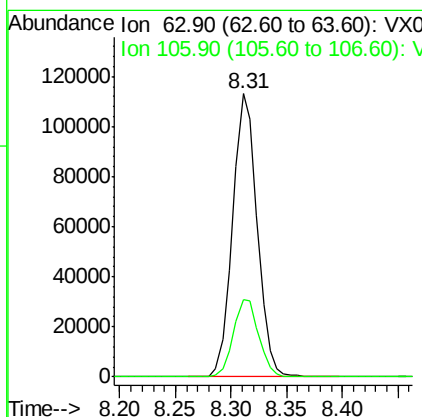
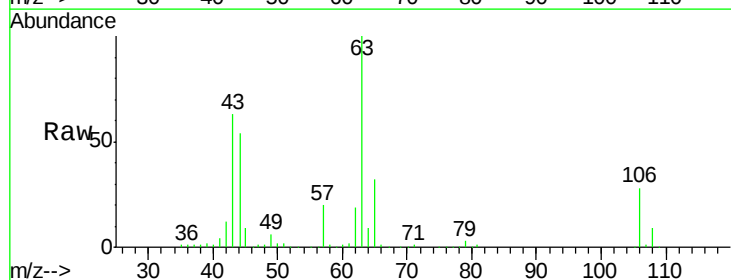
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

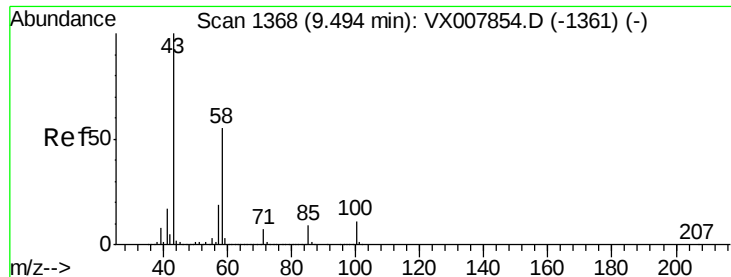
Tot Ion: 76 Resp: 80579
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 98.408 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX008046.D
 Acq: 13 Mar 2019 13:58

Tgt Ion: 63 Resp: 173244
 Ion Ratio Lower Upper
 63 100
 106 28.3 22.2 33.2

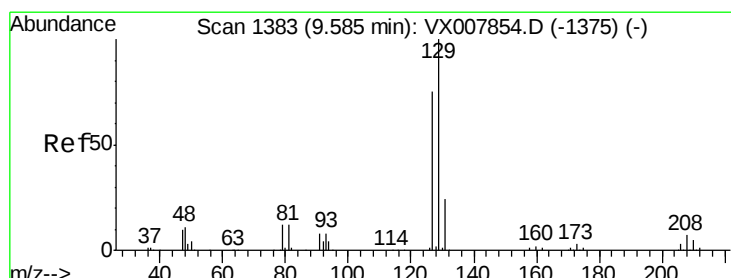
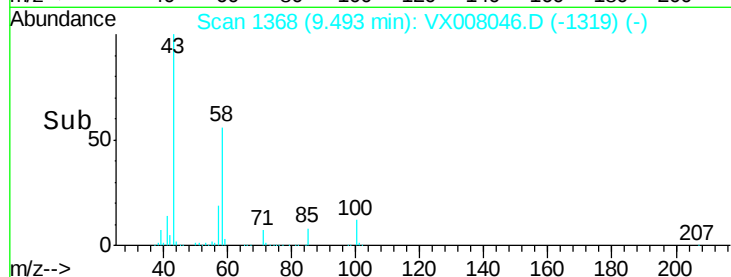
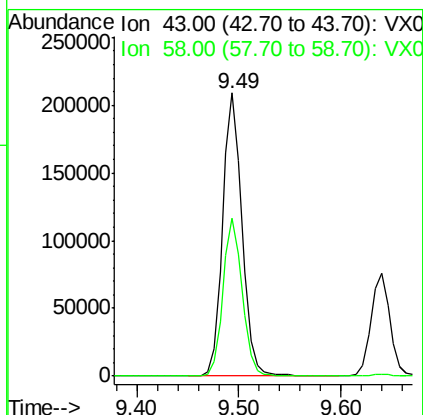
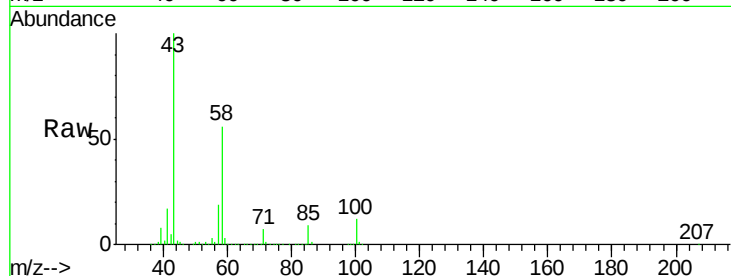




#59
2-Hexanone
Concen: 102.281 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX008046.D
Acq: 13 Mar 2019 13:58

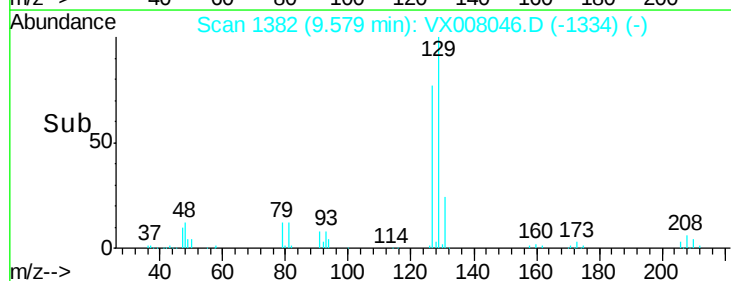
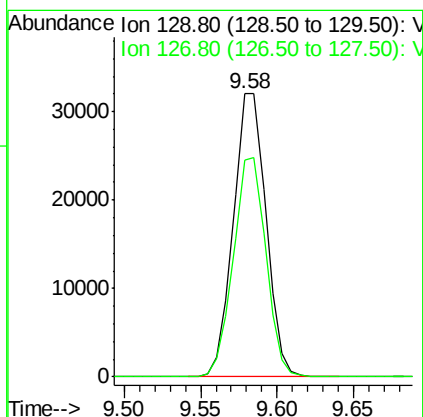
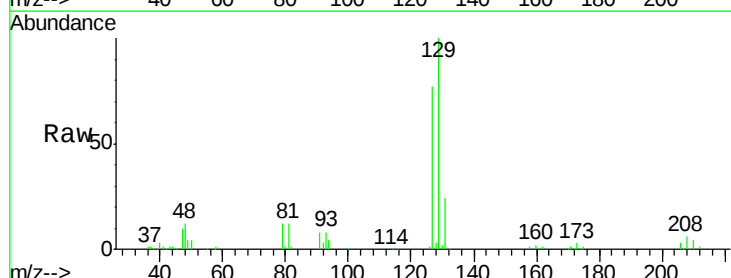
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

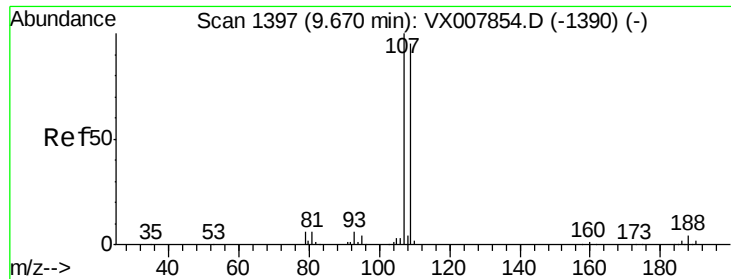
Tot Ion: 43 Resp: 276308
Ion Ratio Lower Upper
43 100
58 55.8 27.6 82.7



#60
Dibromochloromethane
Concen: 20.137 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.01 min
Lab File: VX008046.D
Acq: 13 Mar 2019 13:58

Tgt Ion: 129 Resp: 47710
Ion Ratio Lower Upper
129 100
127 77.1 38.3 114.8





#61

1,2-Dibromoethane

Concen: 20.911 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX008046.D

Acq: 13 Mar 2019 13:58

Instrument :

MSVOA_X

ClientSampleId :

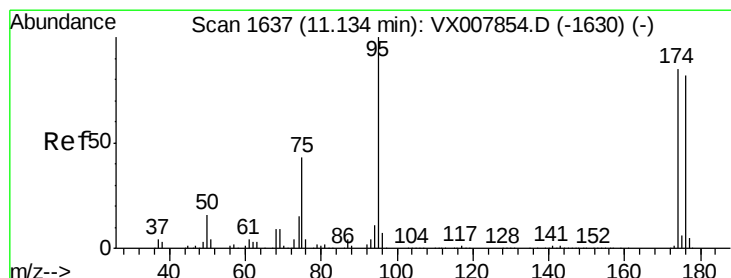
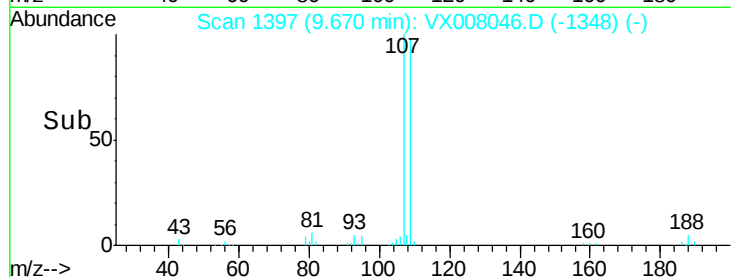
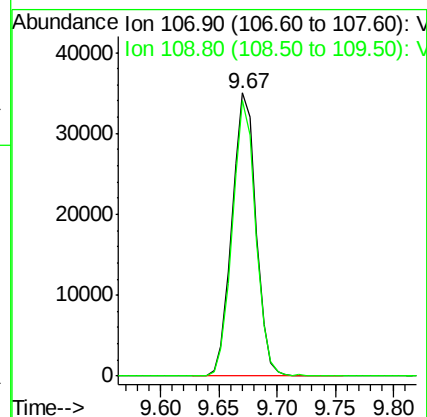
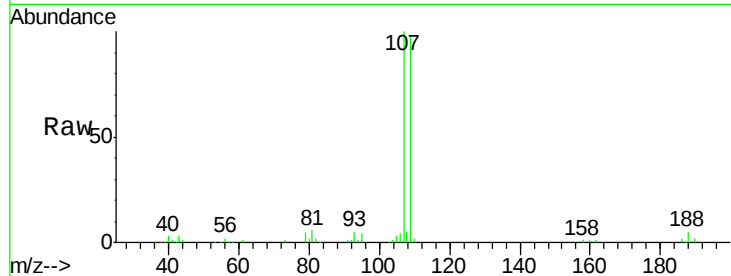
VSTDIC001

Tot Ion:107 Resp: 50325

Ion Ratio Lower Upper

107 100

109 94.9 75.8 113.8



#62

4-Bromofluorobenzene

Concen: 49.971 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008046.D

Acq: 13 Mar 2019 13:58

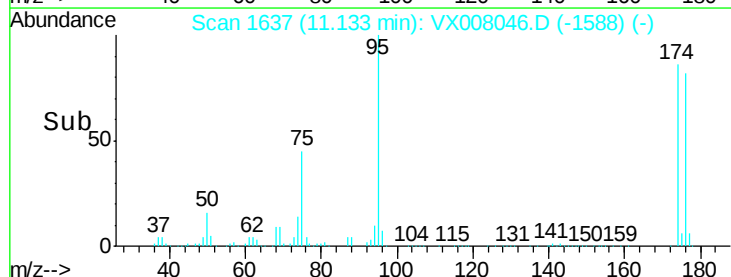
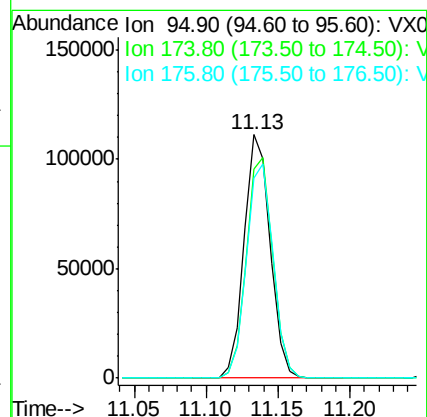
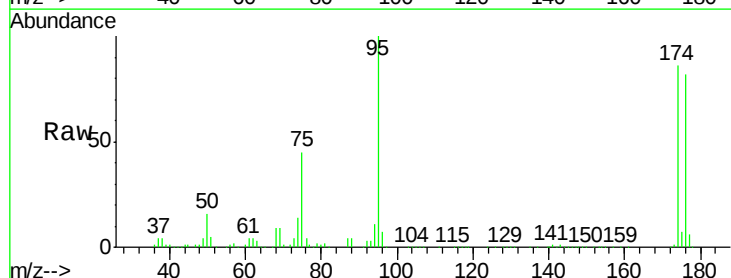
Tgt Ion: 95 Resp: 140034

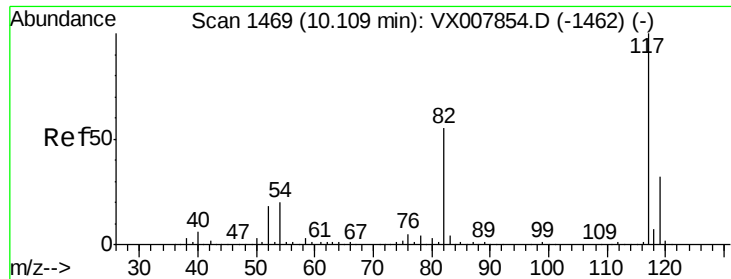
Ion Ratio Lower Upper

95 100

174 91.6 0.0 182.8

176 89.9 0.0 178.0

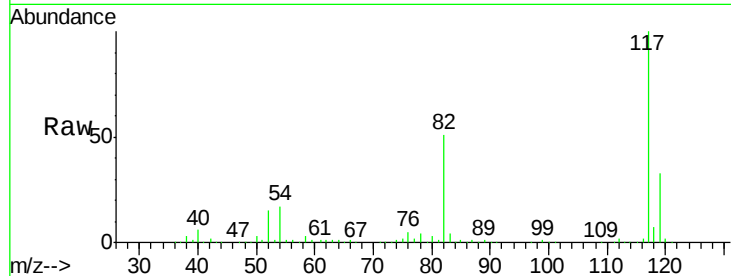




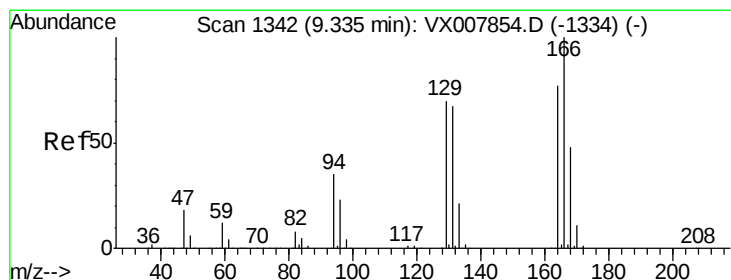
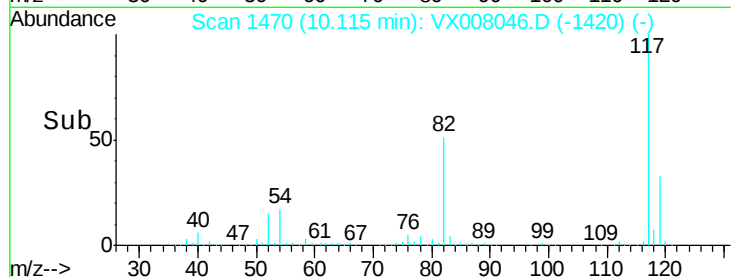
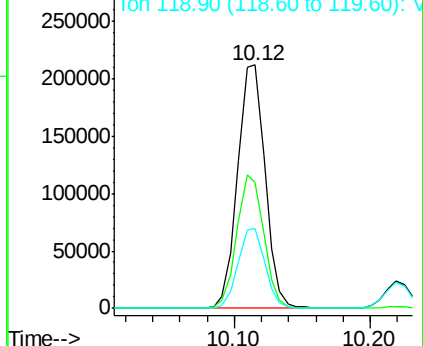
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX008046.D
Acq: 13 Mar 2019 13:58

Instrument :
MSVOA_X
ClientSampled :
VSTDIC001

Tot Ion:117 Resp: 299555
Ion Ratio Lower Upper
117 100
82 51.5 44.3 66.5
119 32.6 25.3 37.9

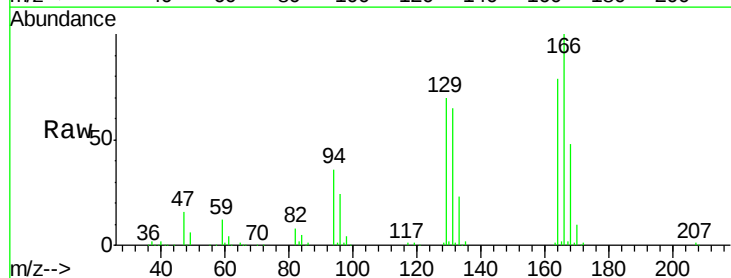


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

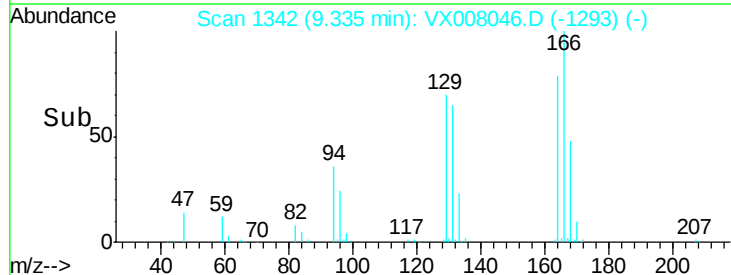
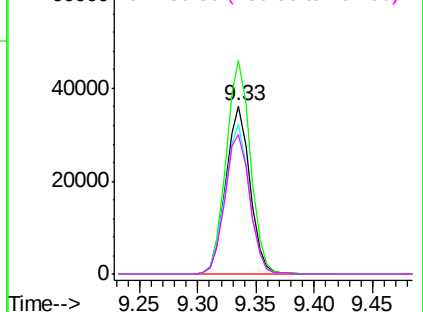


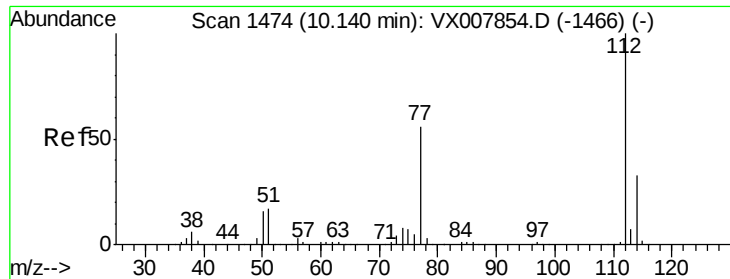
#64
Tetrachloroethene
Concen: 20.894 ug/l
RT: 9.33 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX008046.D
Acq: 13 Mar 2019 13:58

Tgt Ion:164 Resp: 51867
Ion Ratio Lower Upper
164 100
166 127.3 103.4 155.0
129 88.9 72.2 108.4
131 83.2 69.4 104.2



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

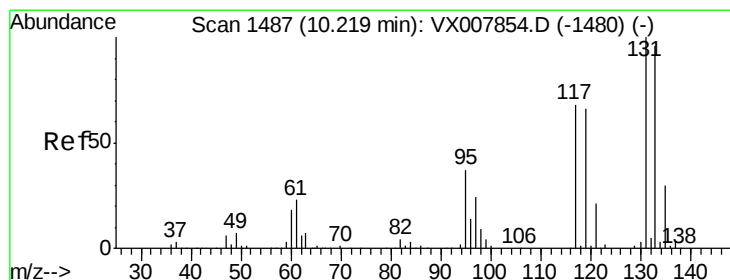
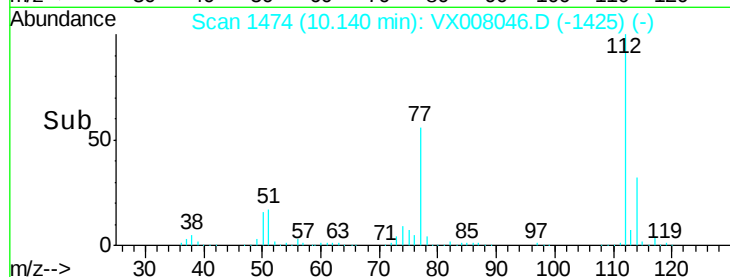
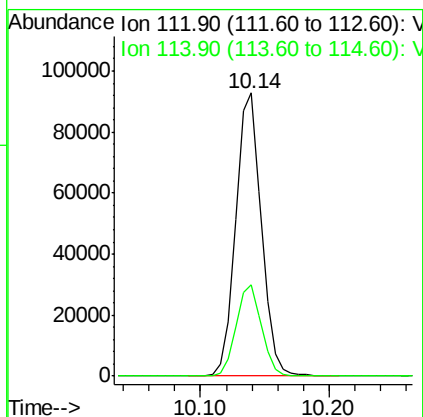
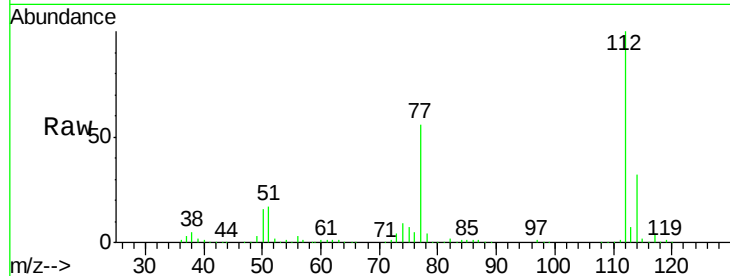




#65
Chlorobenzene
Concen: 20.490 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX008046.D
Acq: 13 Mar 2019 13:58

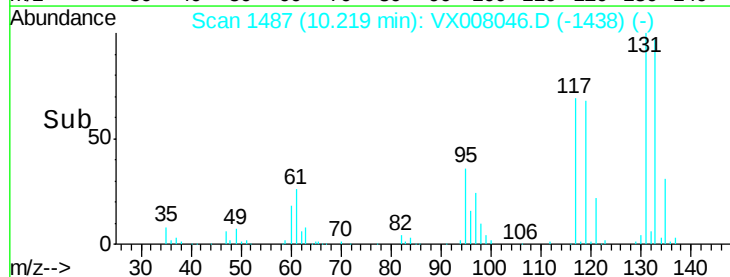
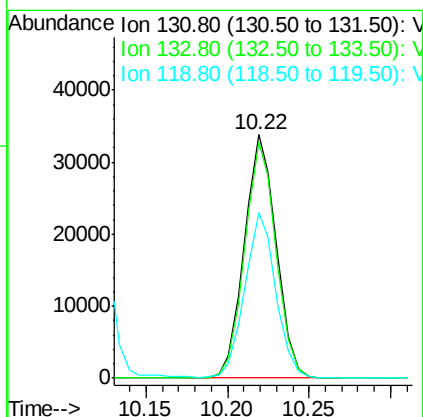
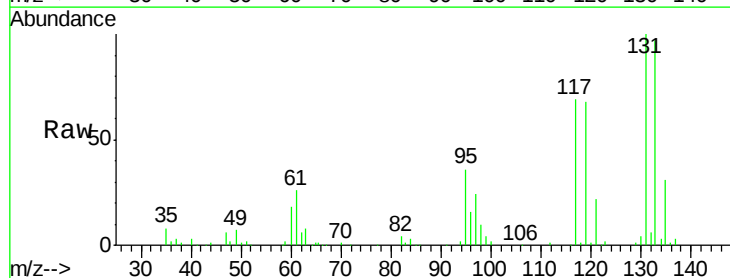
Instrument :
MSVOA_X
ClientSampled :
VSTDIC001

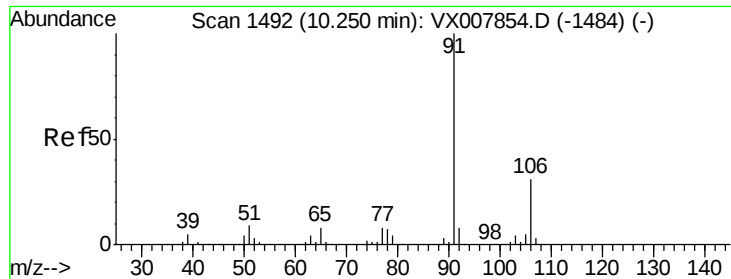
Tot Ion:112 Resp: 128440
Ion Ratio Lower Upper
112 100
114 32.4 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 20.472 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX008046.D
Acq: 13 Mar 2019 13:58

Tgt Ion:131 Resp: 45993
Ion Ratio Lower Upper
131 100
133 95.6 47.8 143.3
119 66.1 32.5 97.5

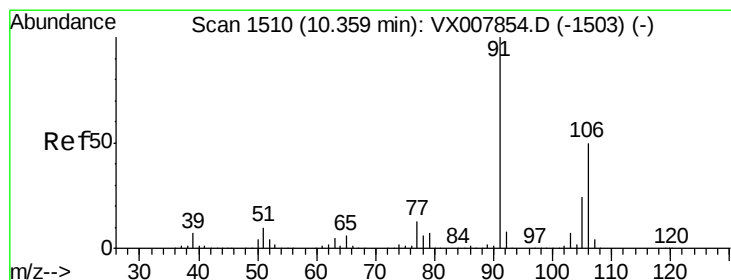
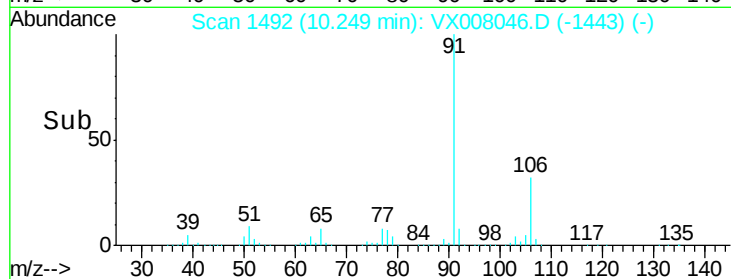
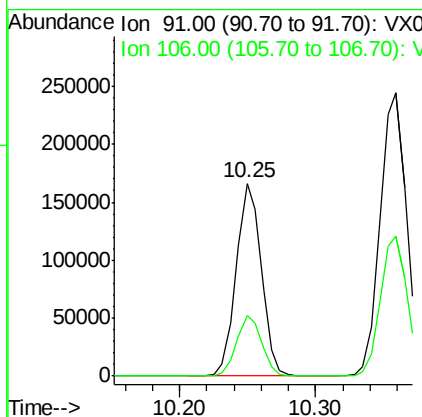
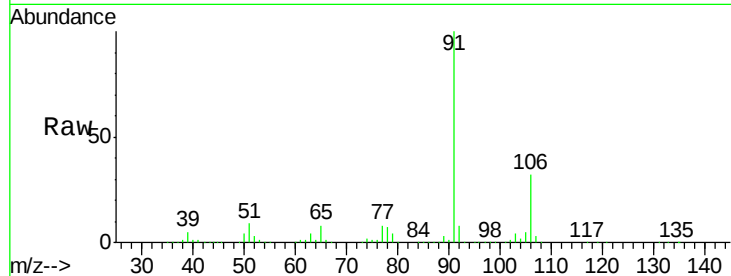




#67
Ethyl Benzene
Concen: 20.796 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX008046.D
Acq: 13 Mar 2019 13:58

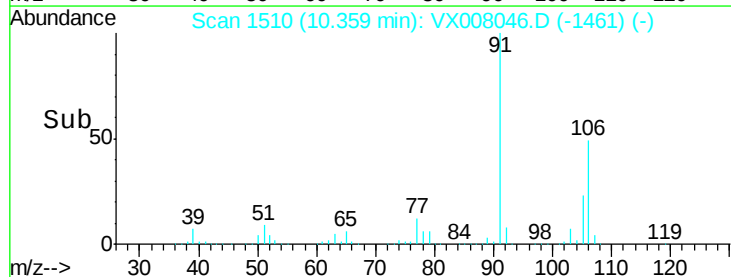
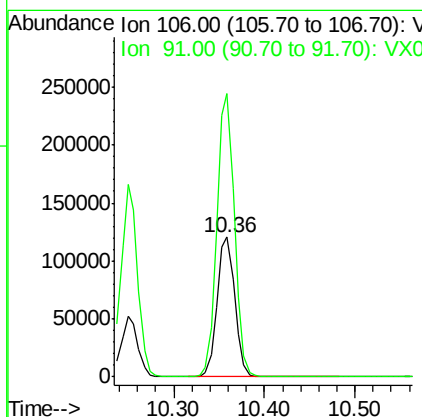
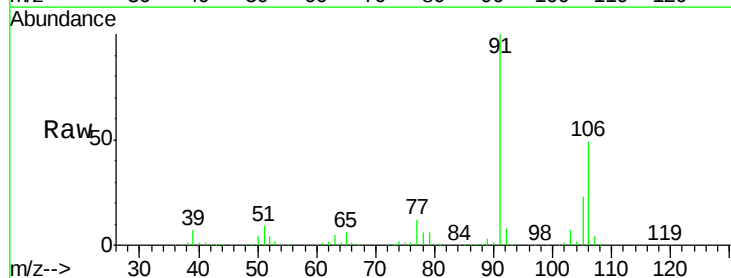
Instrument :
MSVOA_X
ClientSampled :
VSTDIC001

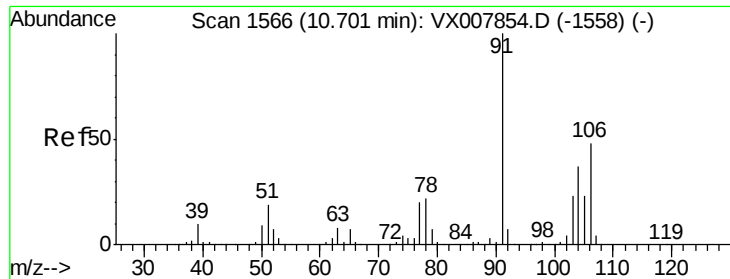
Tot Ion: 91 Resp: 214582
Ion Ratio Lower Upper
91 100
106 31.6 25.2 37.8



#68
m/p-Xylenes
Concen: 41.585 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX008046.D
Acq: 13 Mar 2019 13:58

Tgt Ion: 106 Resp: 165395
Ion Ratio Lower Upper
106 100
91 200.2 159.8 239.6

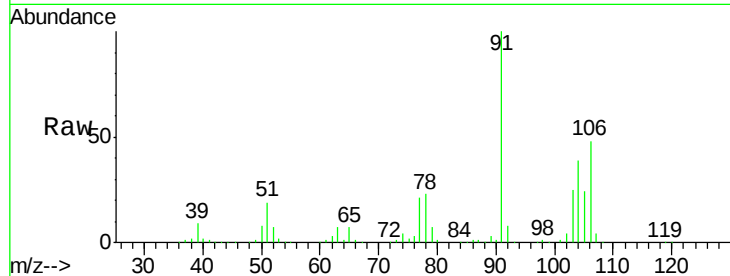




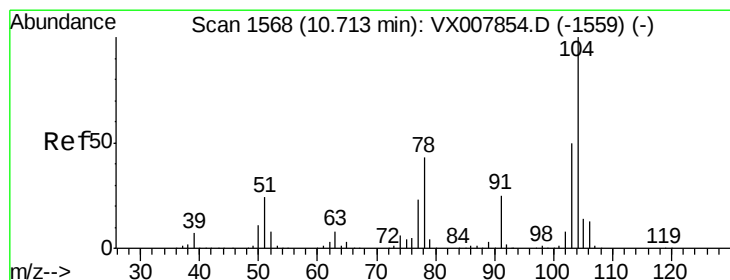
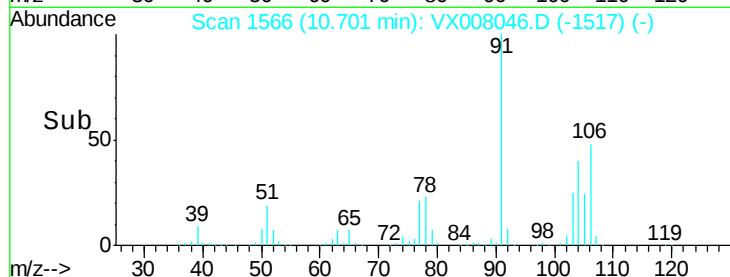
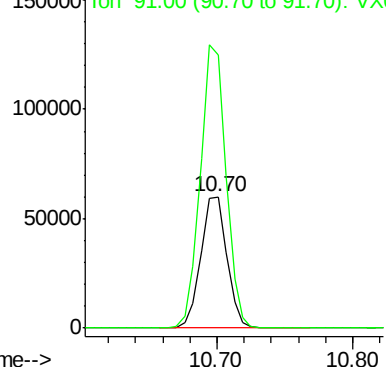
#69
o-Xylene
Concen: 20.948 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX008046.D
Acq: 13 Mar 2019 13:58

Instrument :
MSVOA_X
ClientSampled :
VSTDIC001

Tot Ion:106 Resp: 80436
Ion Ratio Lower Upper
106 100
91 212.0 106.3 318.9

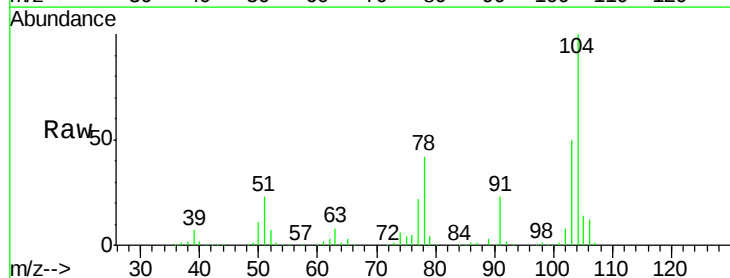


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

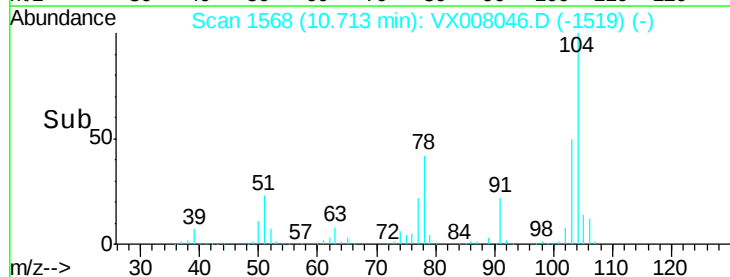
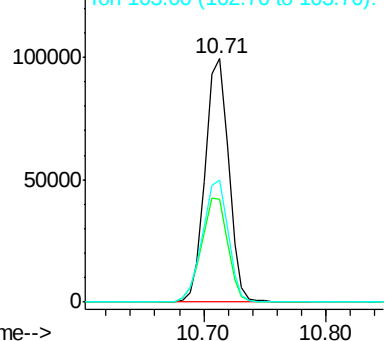


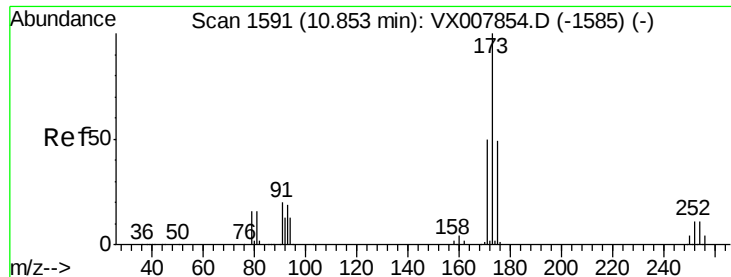
#70
Styrene
Concen: 21.011 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX008046.D
Acq: 13 Mar 2019 13:58

Tgt Ion:104 Resp: 132019
Ion Ratio Lower Upper
104 100
78 48.1 38.5 57.7
103 55.3 44.1 66.1



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 19.171 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.01 min

Lab File: VX008046.D

Acq: 13 Mar 2019 13:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

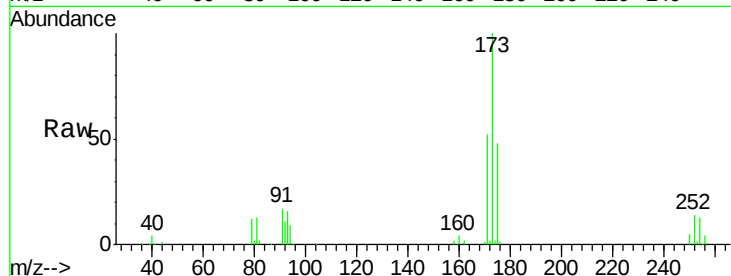
Tot Ion:173 Resp: 36987

Ion Ratio Lower Upper

173 100

175 47.8 24.3 72.9

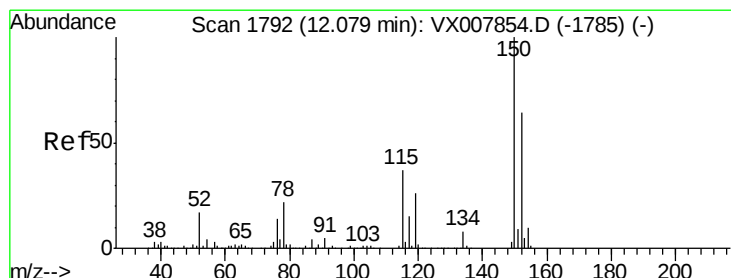
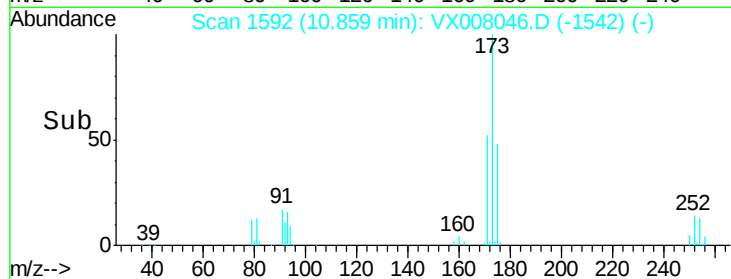
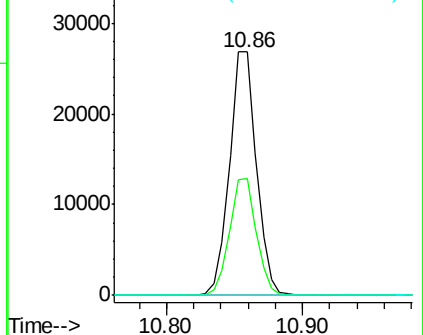
254 0.1 0.1 0.1



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: VX008046.D

Acq: 13 Mar 2019 13:58

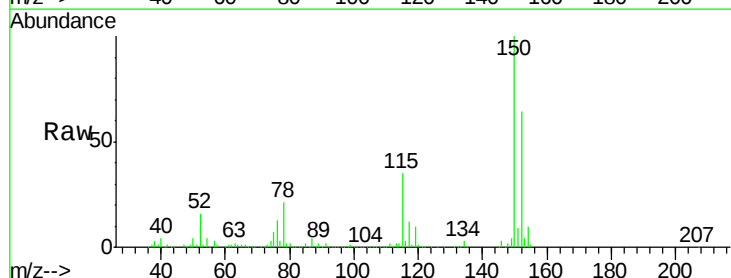
Tgt Ion:152 Resp: 146946

Ion Ratio Lower Upper

152 100

115 64.4 38.6 115.7

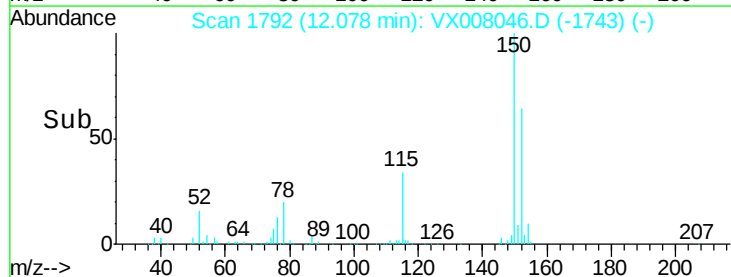
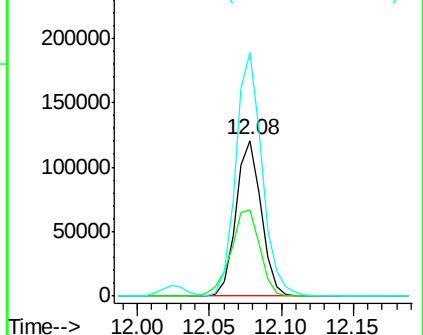
150 163.9 0.0 348.4

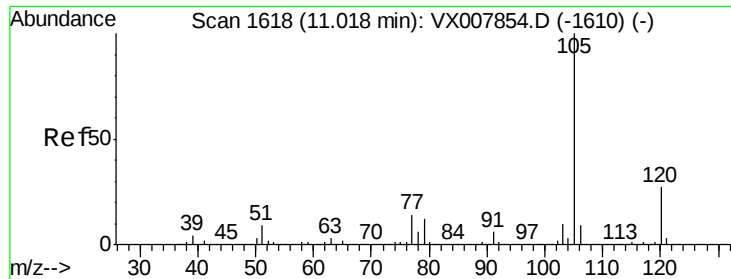


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.736 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX008046.D

Acq: 13 Mar 2019 13:58

Instrument :

MSVOA_X

ClientSampleId :

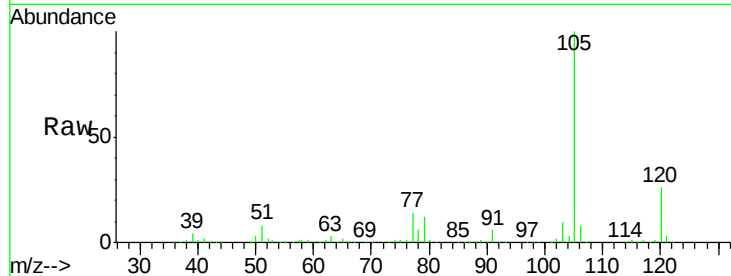
VSTDIC001

Tot Ion:105 Resp: 216020

Ion Ratio Lower Upper

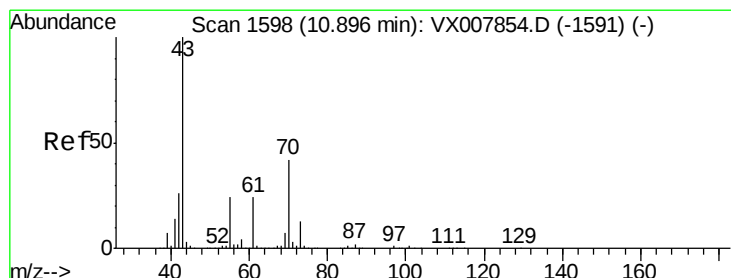
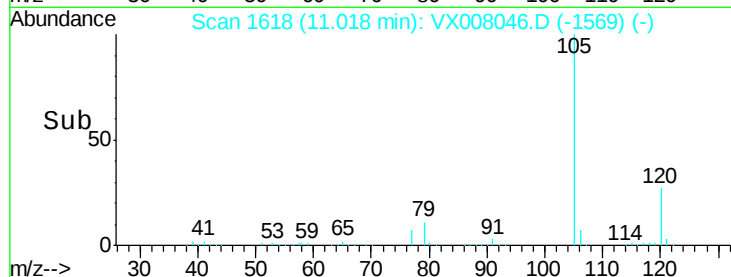
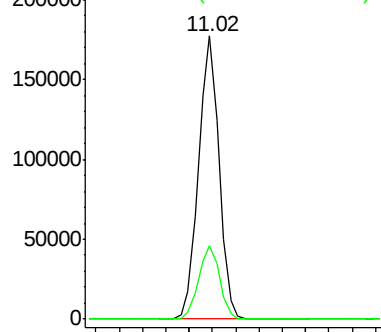
105 100

120 26.6 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.711 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX008046.D

Acq: 13 Mar 2019 13:58

Tgt Ion: 43 Resp: 93968

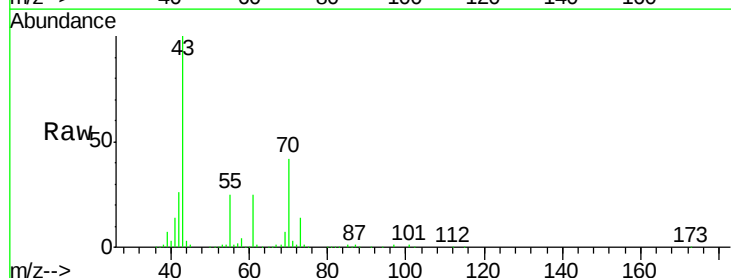
Ion Ratio Lower Upper

43 100

70 42.6 33.5 50.3

55 25.4 19.2 28.8

61 24.5 19.0 28.6

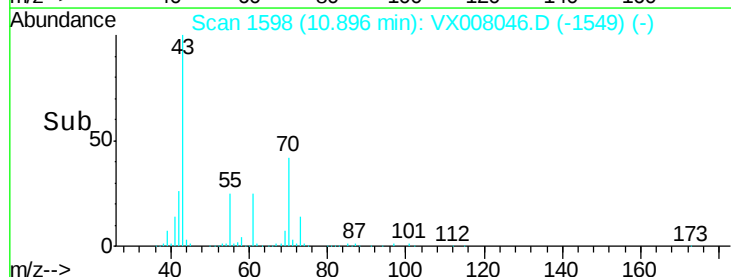
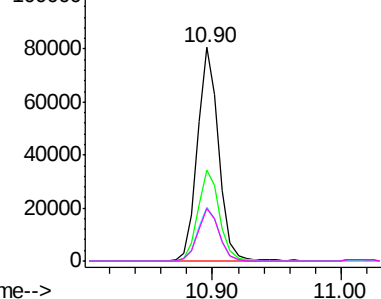


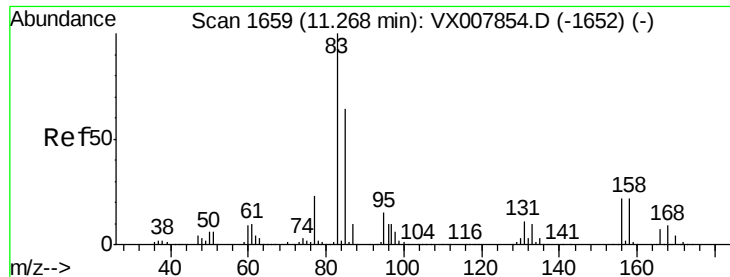
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 20.760 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX008046.D

Acq: 13 Mar 2019 13:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

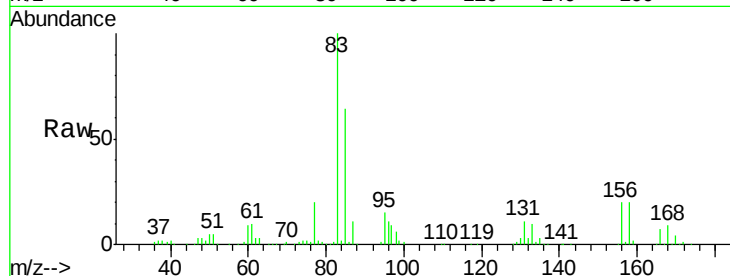
Tot Ion: 83 Resp: 71165

Ion Ratio Lower Upper

83 100

131 10.9 5.4 16.2

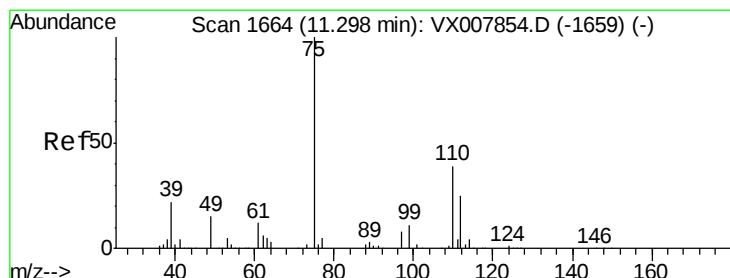
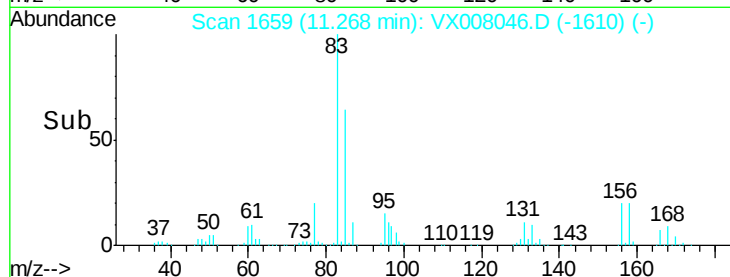
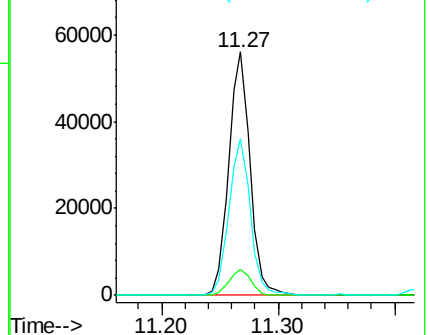
85 64.9 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 26.678 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. -0.01 min

Lab File: VX008046.D

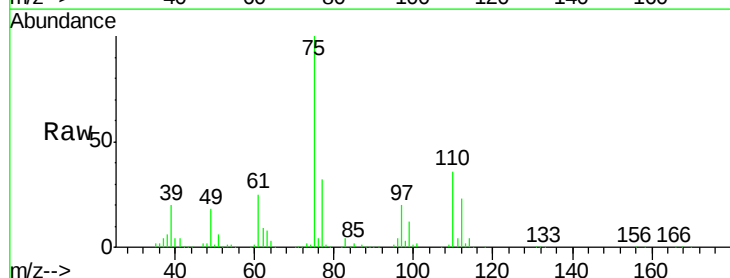
Acq: 13 Mar 2019 13:58

Tgt Ion: 75 Resp: 82264

Ion Ratio Lower Upper

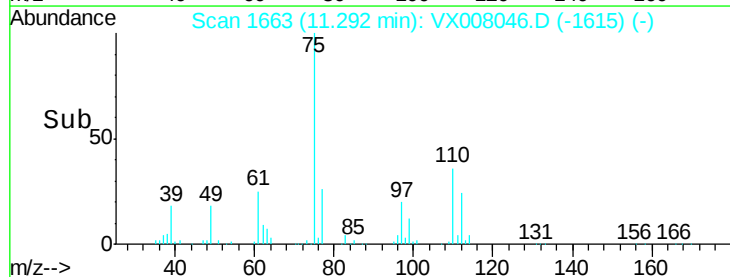
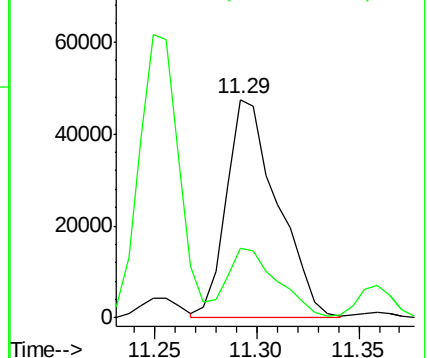
75 100

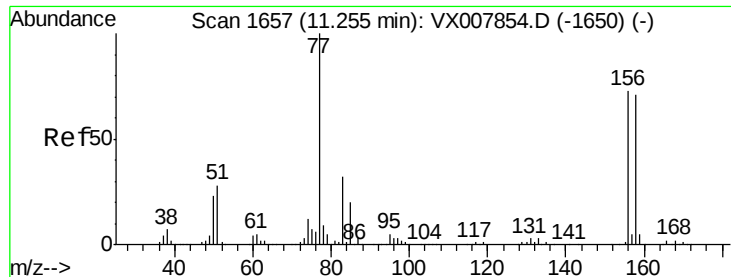
77 32.0 18.9 56.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 21.115 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX008046.D

Acq: 13 Mar 2019 13:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

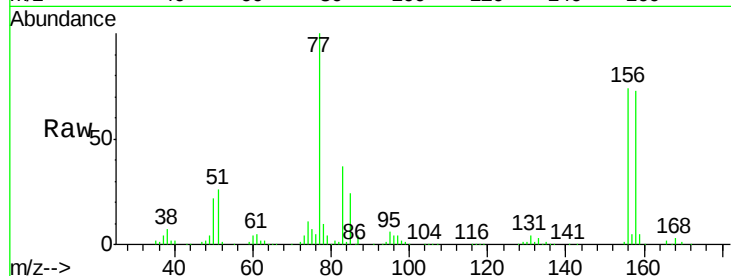
Tot Ion:156 Resp: 57531

Ion Ratio Lower Upper

156 100

77 143.2 72.0 215.9

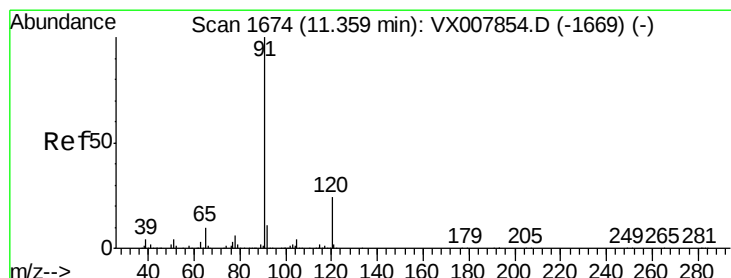
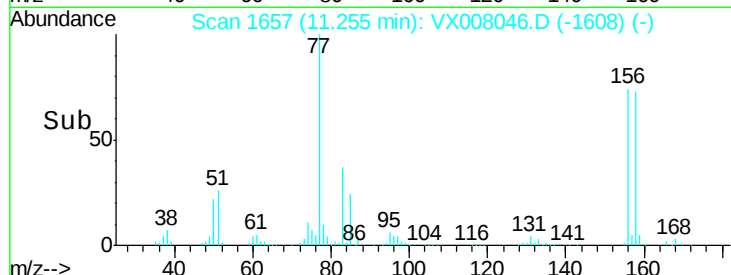
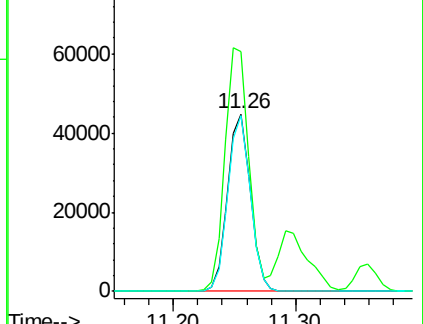
158 97.9 48.6 145.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.175 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX008046.D

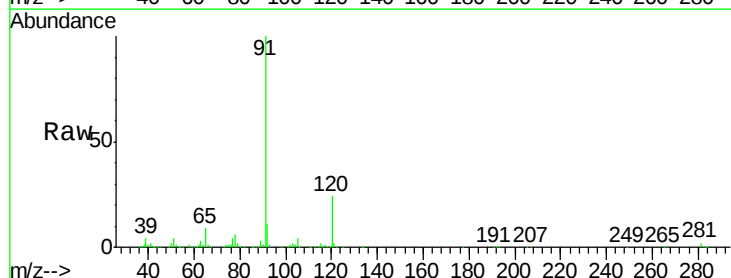
Acq: 13 Mar 2019 13:58

Tgt Ion: 91 Resp: 233462

Ion Ratio Lower Upper

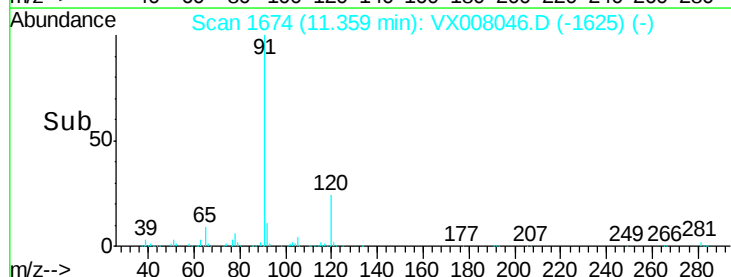
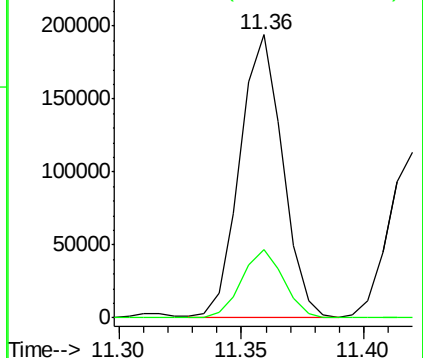
91 100

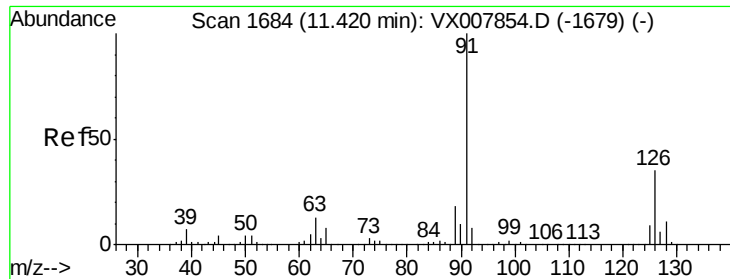
120 24.0 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

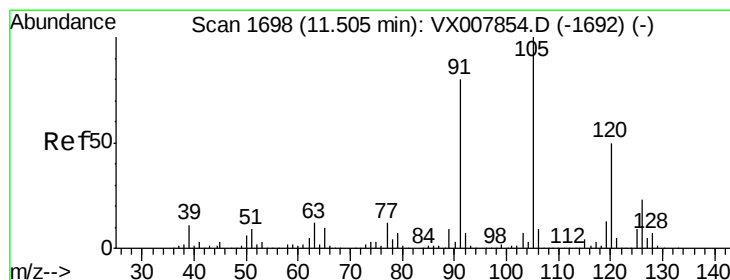
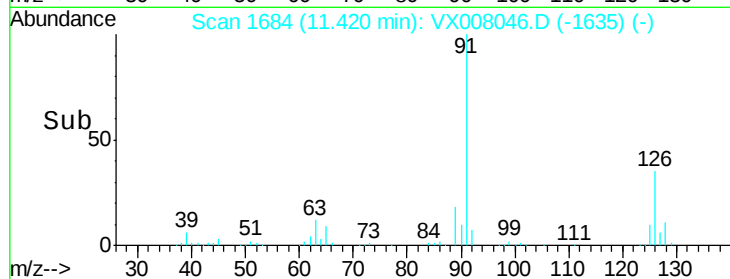
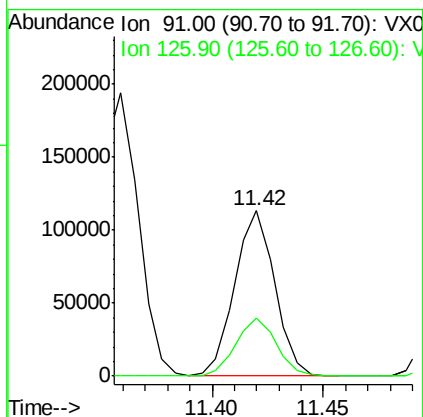
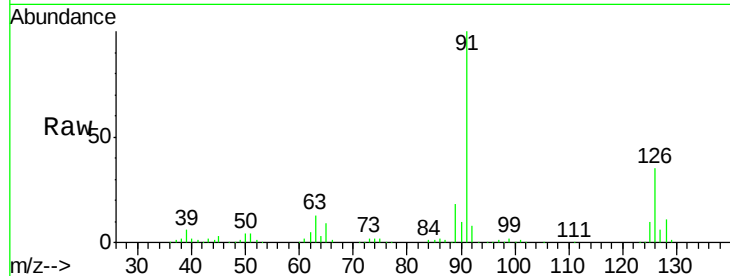




#79
 2-Chlorotoluene
 Concen: 21.063 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX008046.D
 Acq: 13 Mar 2019 13:58

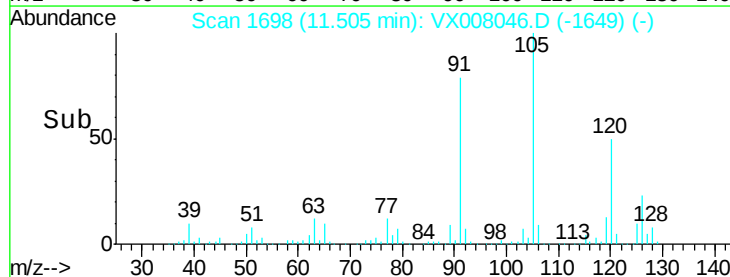
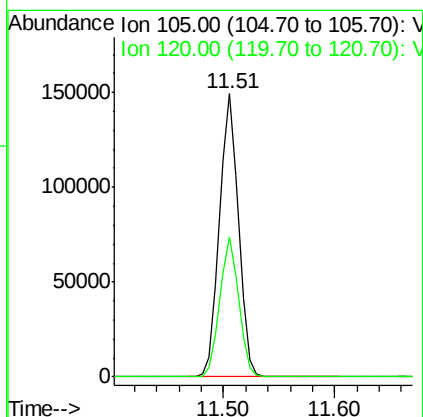
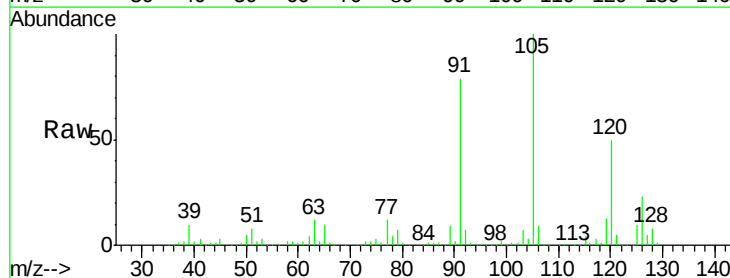
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

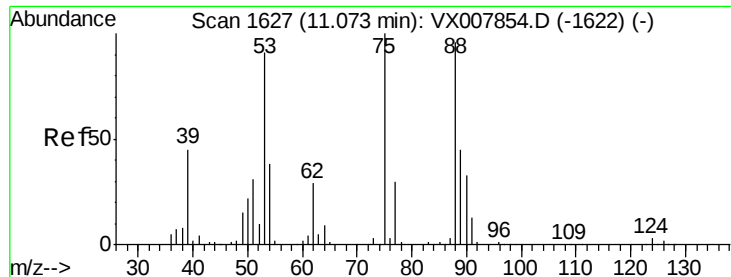
Tot Ion: 91 Resp: 141987
 Ion Ratio Lower Upper
 91 100
 126 35.7 17.5 52.6



#80
 1,3,5-Trimethylbenzene
 Concen: 21.635 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX008046.D
 Acq: 13 Mar 2019 13:58

Tgt Ion: 105 Resp: 176966
 Ion Ratio Lower Upper
 105 100
 120 49.0 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 19.241 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX008046.D

Acq: 13 Mar 2019 13:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

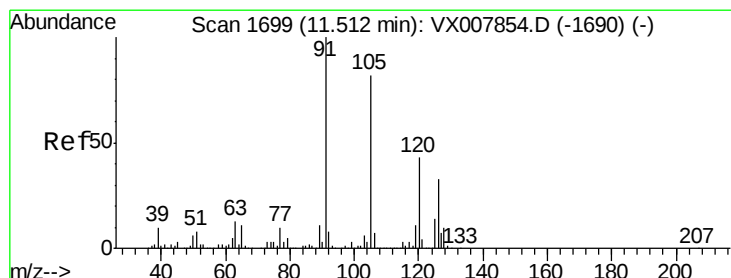
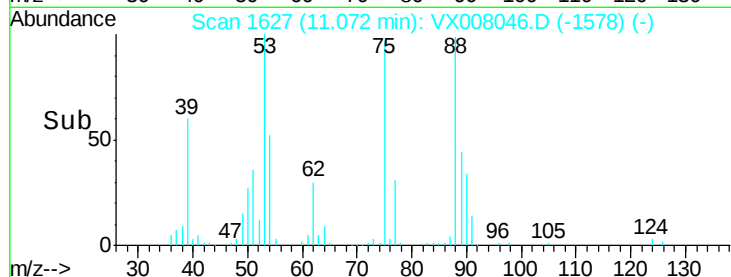
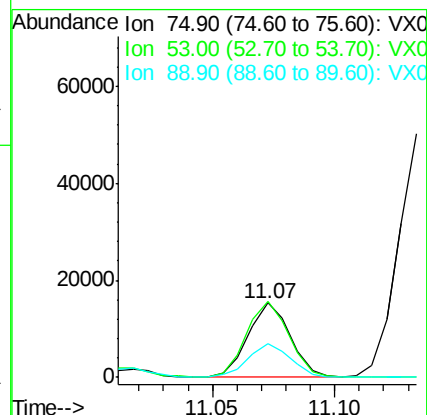
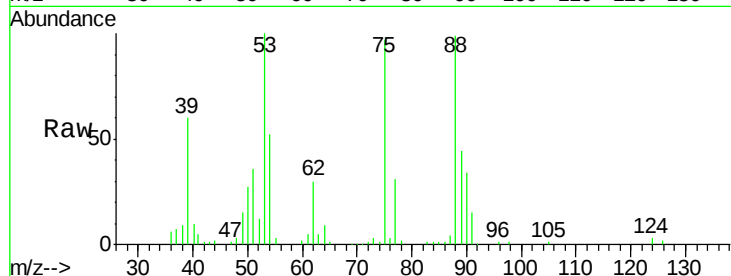
Tot Ion: 75 Resp: 18561

Ion Ratio Lower Upper

75 100

53 102.7 76.1 114.1

89 45.5 36.3 54.5



#82

4-Chlorotoluene

Concen: 20.865 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX008046.D

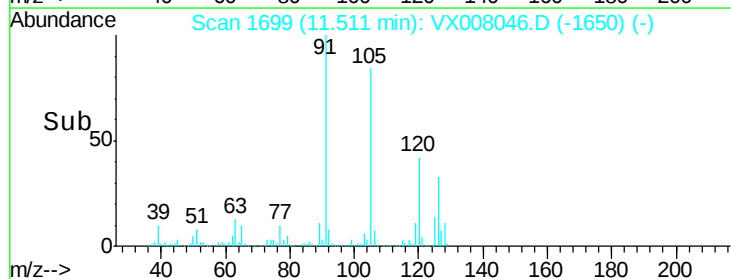
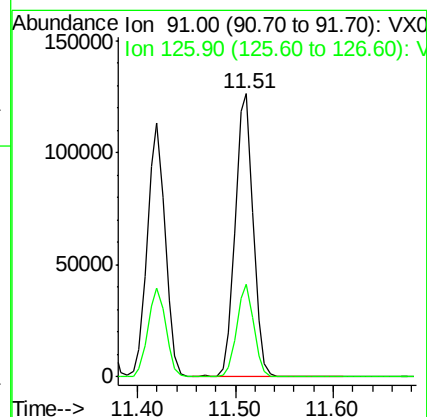
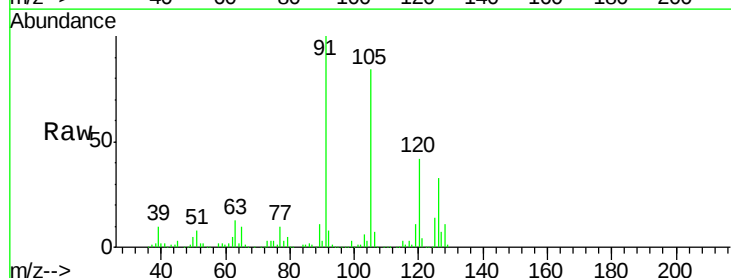
Acq: 13 Mar 2019 13:58

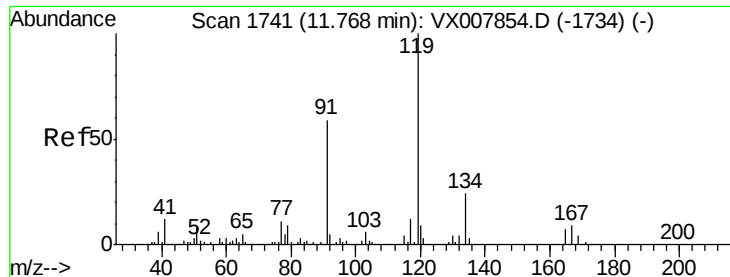
Tgt Ion: 91 Resp: 161188

Ion Ratio Lower Upper

91 100

126 30.9 15.6 46.8

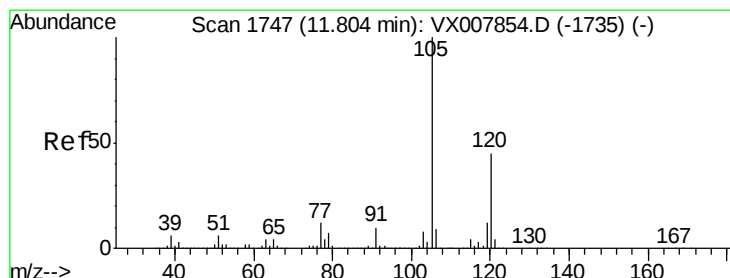
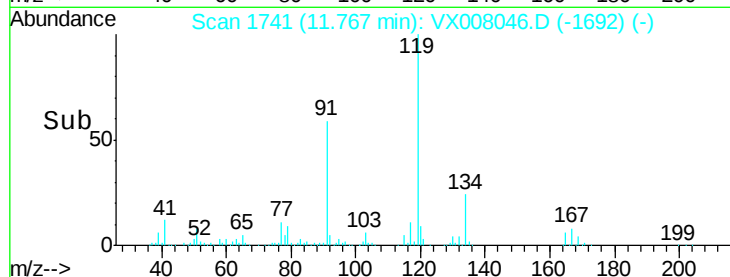
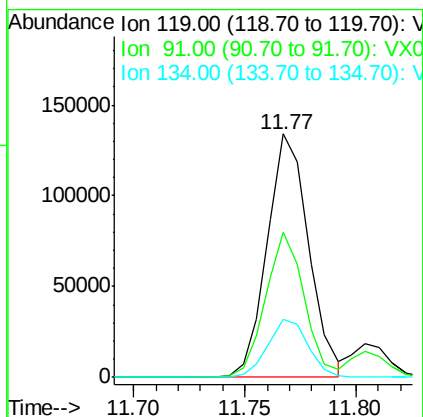
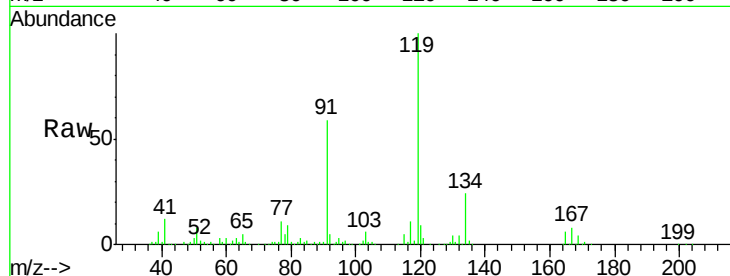




#83
tert-Butylbenzene
Concen: 21.077 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX008046.D
Acq: 13 Mar 2019 13:58

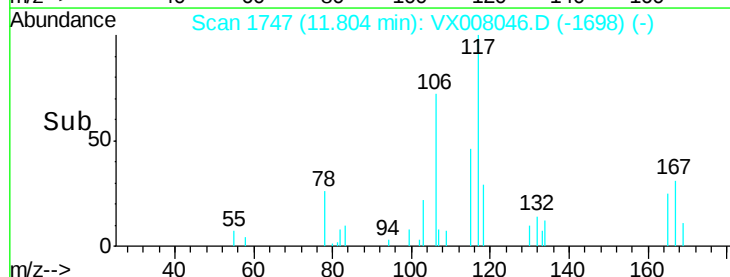
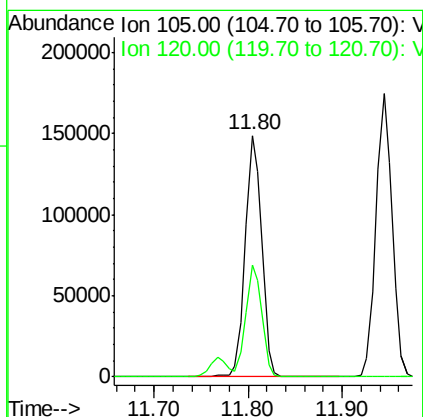
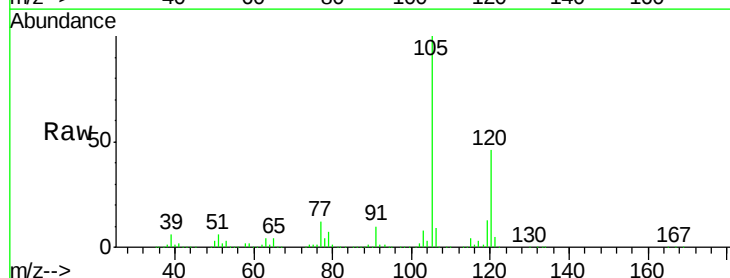
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

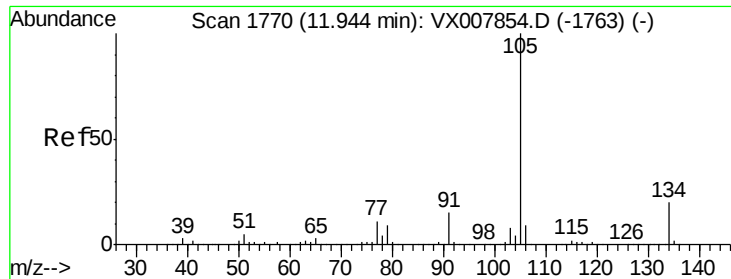
Tot Ion:119 Resp: 173660
Ion Ratio Lower Upper
119 100
91 55.6 27.1 81.3
134 23.3 11.4 34.1



#84
1,2,4-Trimethylbenzene
Concen: 21.715 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX008046.D
Acq: 13 Mar 2019 13:58

Tgt Ion:105 Resp: 182082
Ion Ratio Lower Upper
105 100
120 44.9 22.6 67.7





#85

sec-Butylbenzene

Concen: 21.518 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX008046.D

Acq: 13 Mar 2019 13:58

Instrument :

MSVOA_X

ClientSampleId :

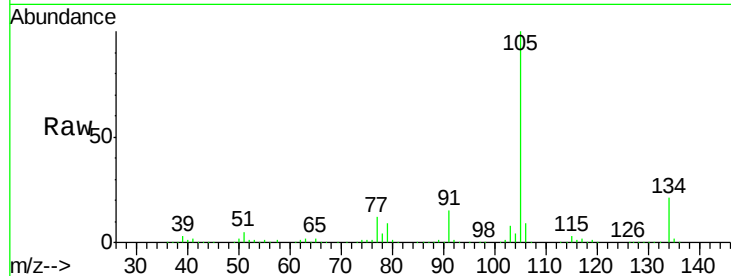
VSTDIC001

Tot Ion:105 Resp: 208807

Ion Ratio Lower Upper

105 100

134 20.5 10.4 31.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

200000

150000

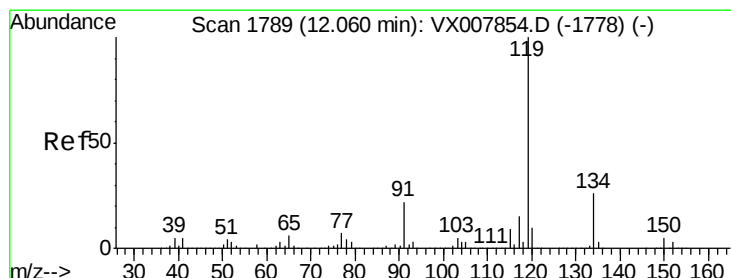
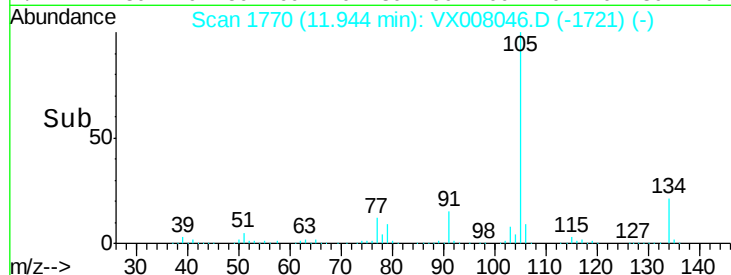
100000

50000

0

11.90 12.00

Time-->



#86

p-Isopropyltoluene

Concen: 21.677 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX008046.D

Acq: 13 Mar 2019 13:58

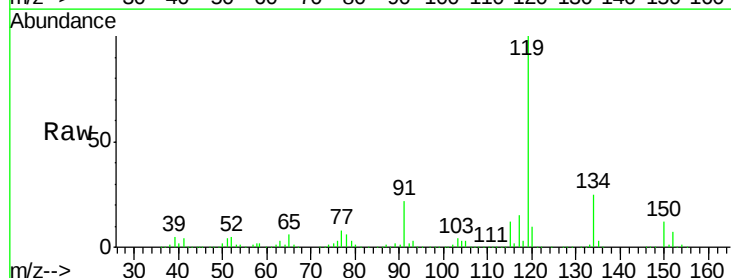
Tgt Ion:119 Resp: 188389

Ion Ratio Lower Upper

119 100

134 26.0 13.3 39.9

91 22.0 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): V

200000

150000

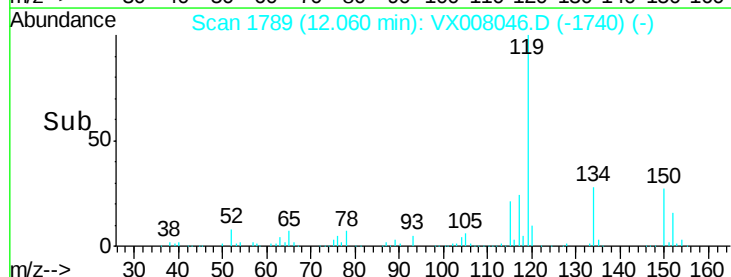
100000

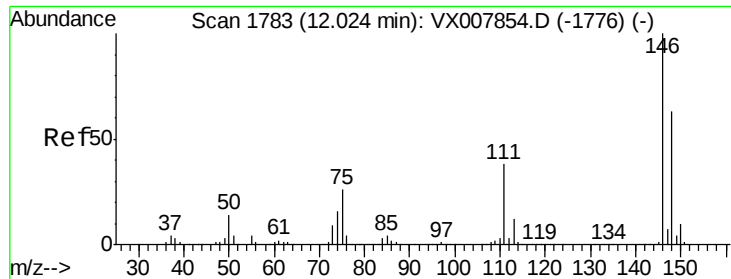
50000

0

12.00 12.10

Time-->

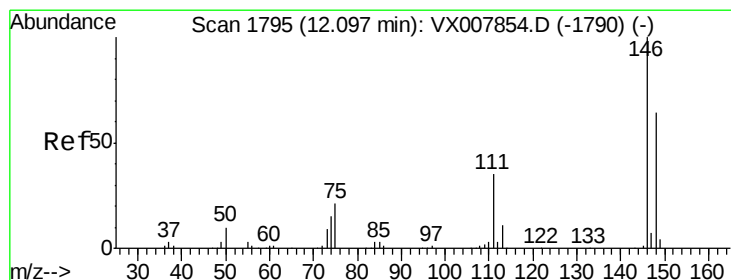
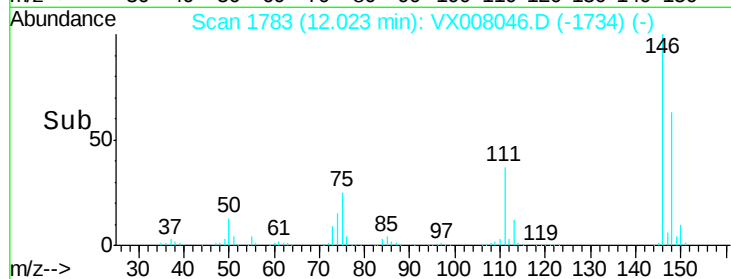
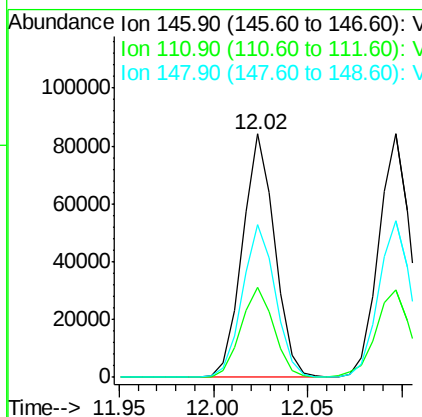
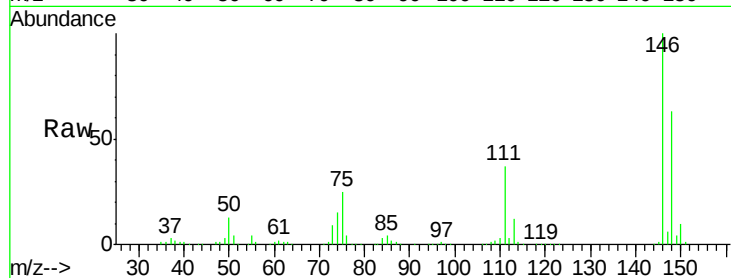




#87
 1,3-Dichlorobenzene
 Concen: 20.746 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX008046.D
 Acq: 13 Mar 2019 13:58

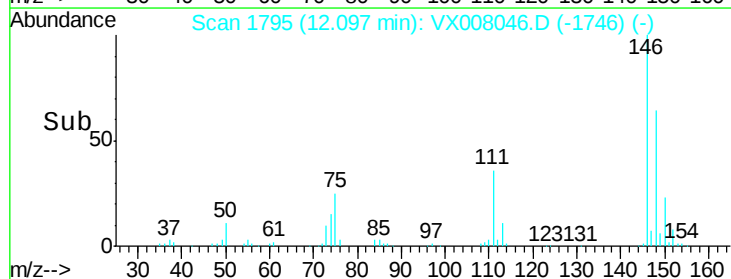
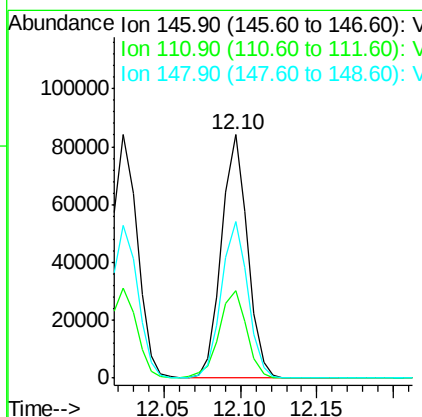
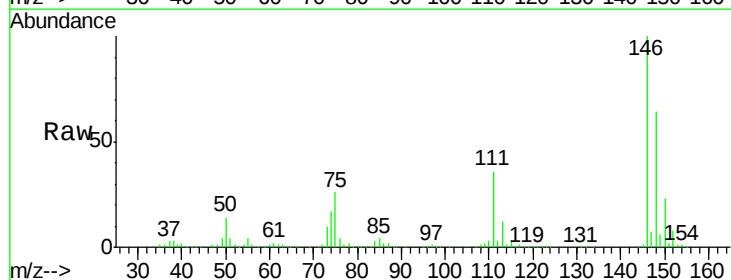
Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC001

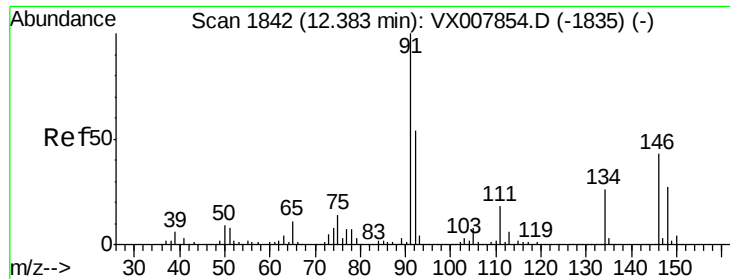
Tot Ion:146 Resp: 100003
 Ion Ratio Lower Upper
 146 100
 111 37.6 18.9 56.7
 148 63.6 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 20.104 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX008046.D
 Acq: 13 Mar 2019 13:58

Tgt Ion:146 Resp: 99246
 Ion Ratio Lower Upper
 146 100
 111 38.4 18.4 55.0
 148 65.5 32.2 96.6

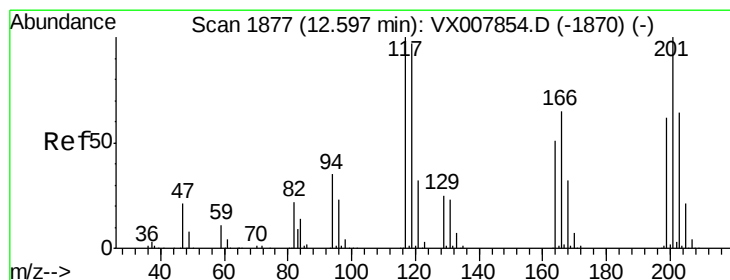
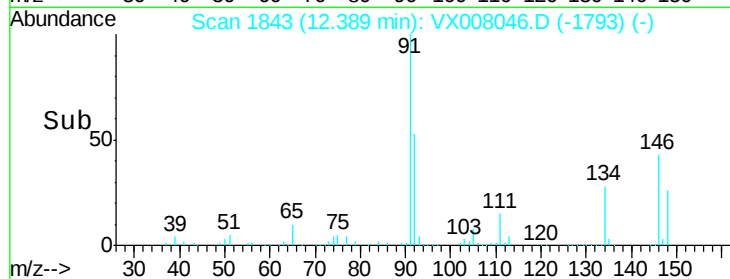
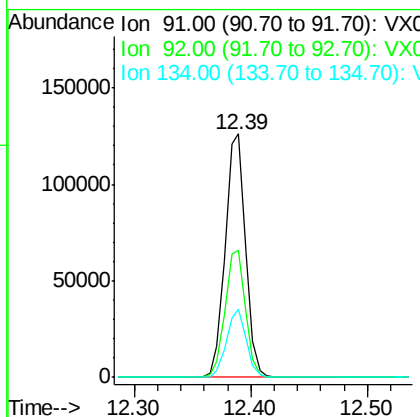
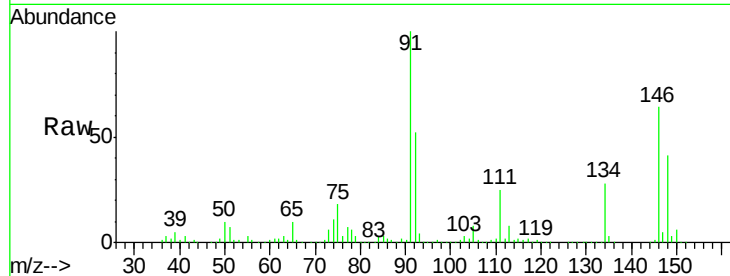




#89
n-Butylbenzene
Concen: 20.568 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.01 min
Lab File: VX008046.D
Acq: 13 Mar 2019 13:58

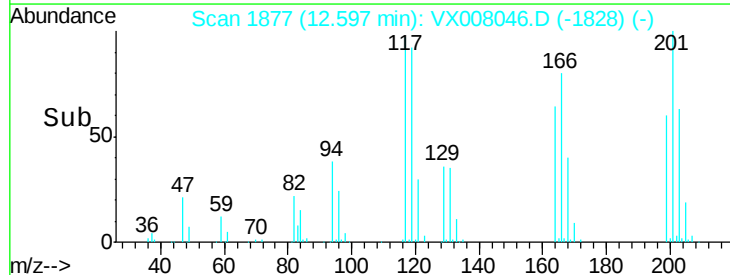
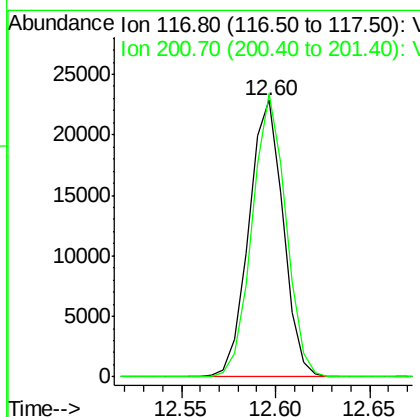
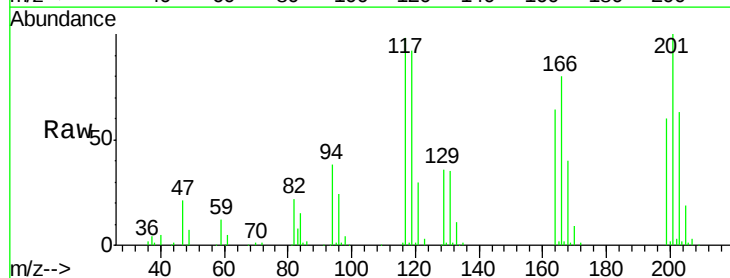
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

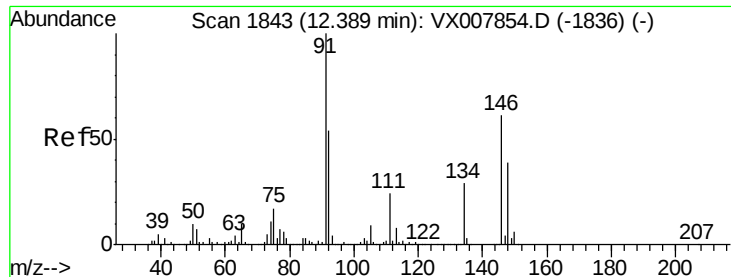
Tot Ion: 91 Resp: 151437
Ion Ratio Lower Upper
91 100
92 52.5 27.0 80.8
134 27.1 13.7 41.0



#90
Hexachloroethane
Concen: 19.847 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX008046.D
Acq: 13 Mar 2019 13:58

Tgt Ion: 117 Resp: 28838
Ion Ratio Lower Upper
117 100
201 99.7 48.9 146.7

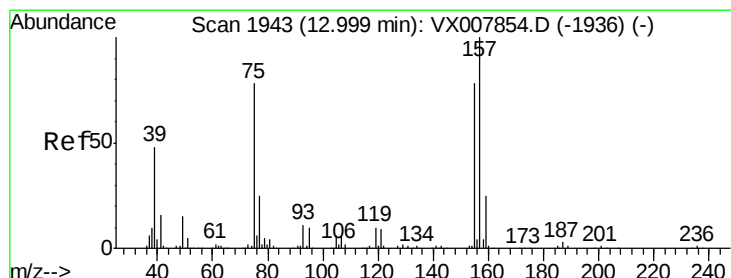
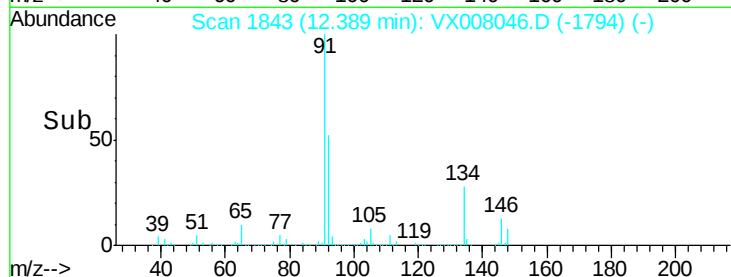
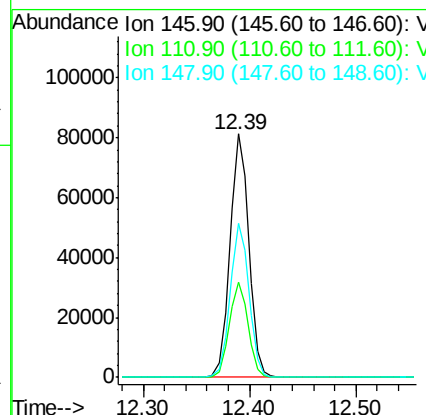
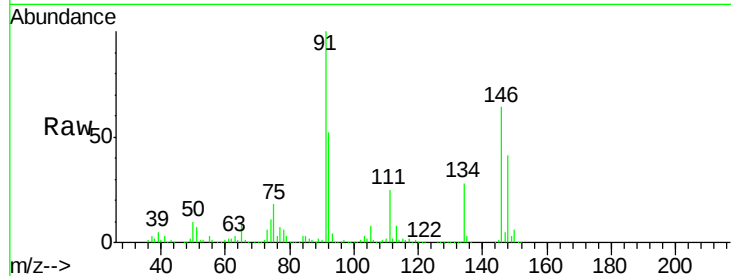




#91
 1,2-Dichlorobenzene
 Concen: 21.011 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX008046.D
 Acq: 13 Mar 2019 13:58

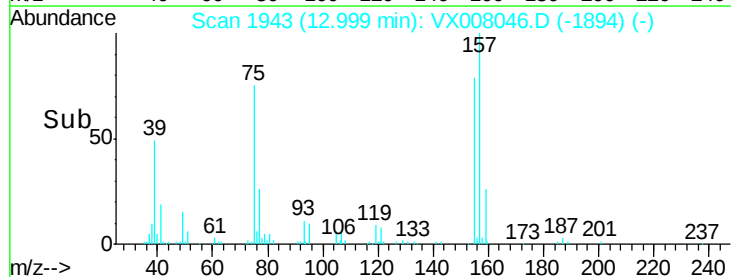
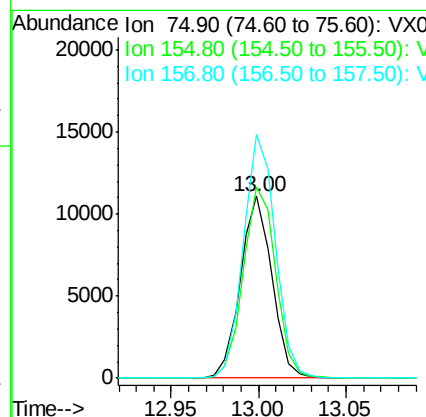
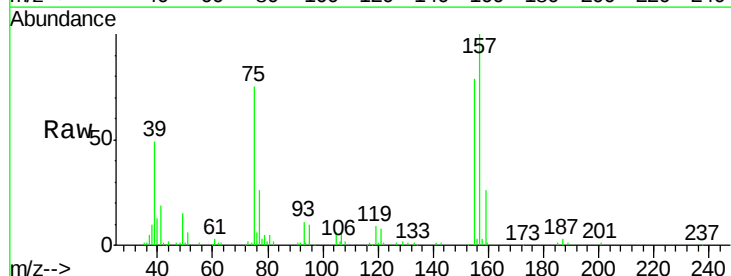
Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC001

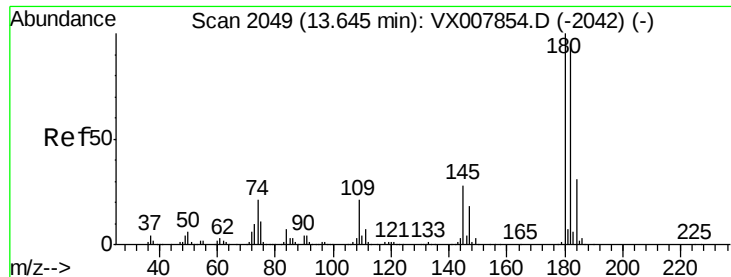
Tot Ion:146 Resp: 100616
 Ion Ratio Lower Upper
 146 100
 111 39.0 19.6 58.8
 148 63.3 31.9 95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.427 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX008046.D
 Acq: 13 Mar 2019 13:58

Tgt Ion: 75 Resp: 13918
 Ion Ratio Lower Upper
 75 100
 155 107.9 49.7 149.1
 157 135.2 63.8 191.4

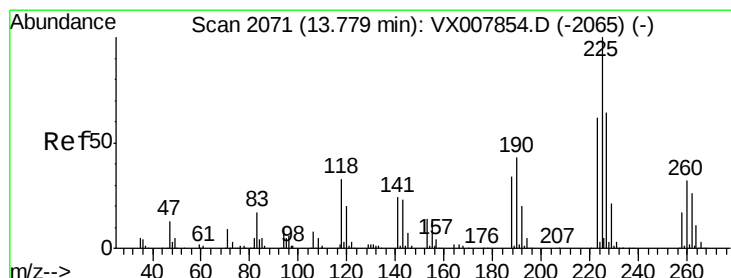
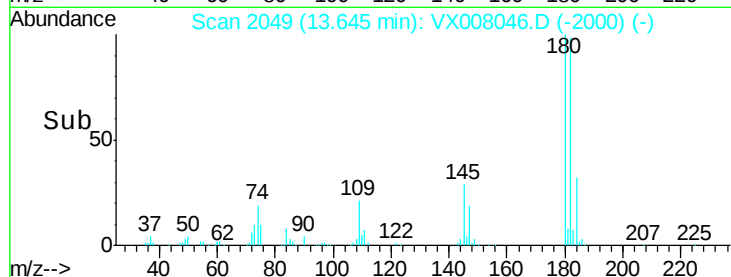
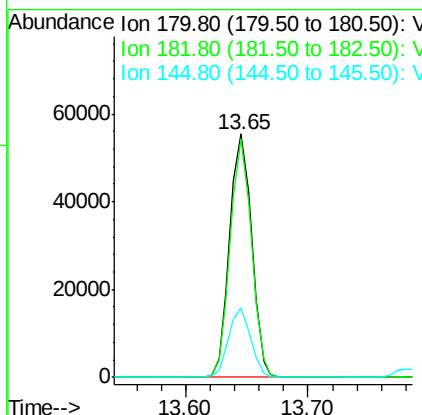
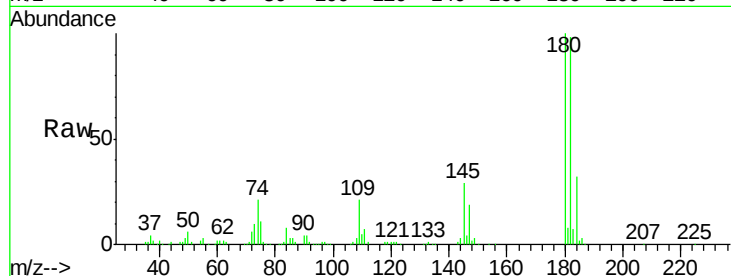




#93
 1,2,4-Trichlorobenzene
 Concen: 20.482 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX008046.D
 Acq: 13 Mar 2019 13:58

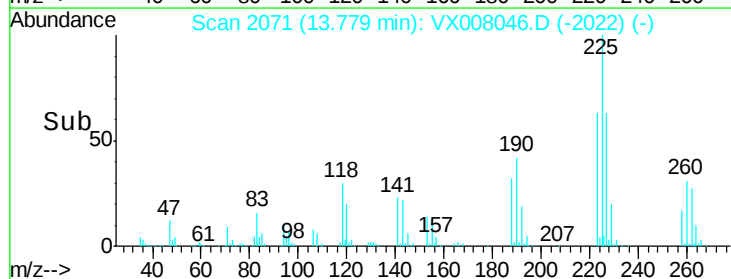
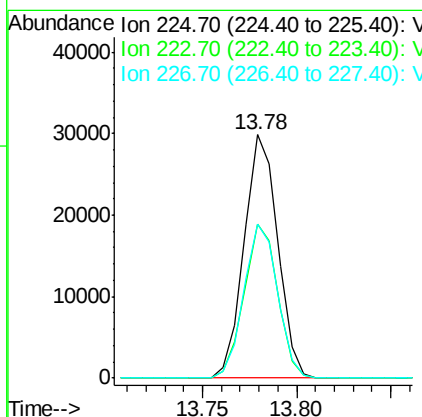
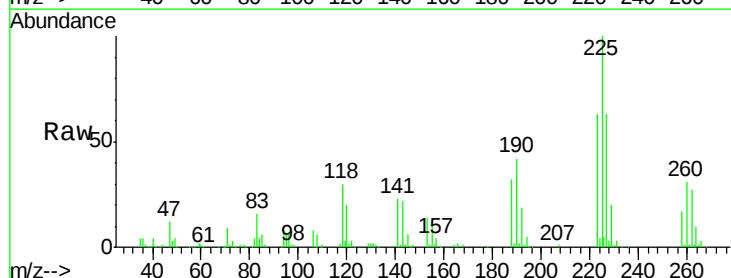
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

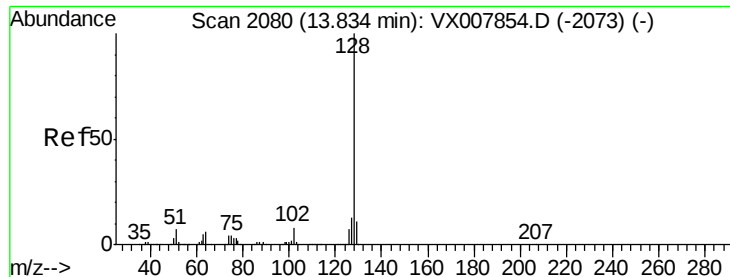
Tot Ion:180 Resp: 68903
 Ion Ratio Lower Upper
 180 100
 182 94.6 47.9 143.7
 145 28.5 14.1 42.4



#94
 Hexachlorobutadiene
 Concen: 21.041 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX008046.D
 Acq: 13 Mar 2019 13:58

Tgt Ion:225 Resp: 37007
 Ion Ratio Lower Upper
 225 100
 223 63.0 31.1 93.2
 227 63.5 32.0 96.0

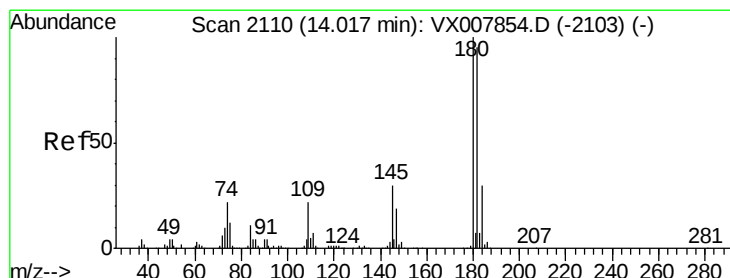
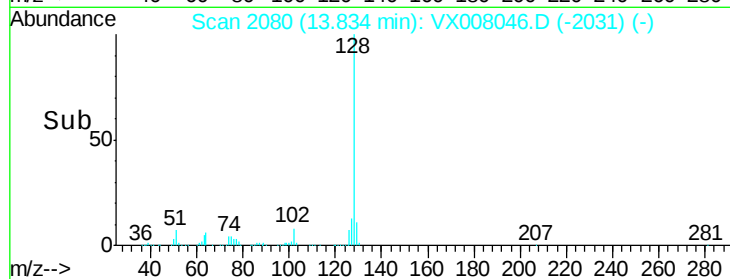
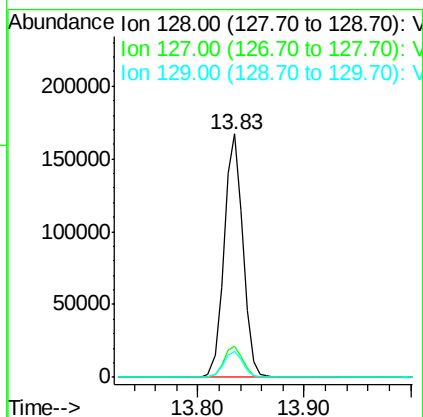
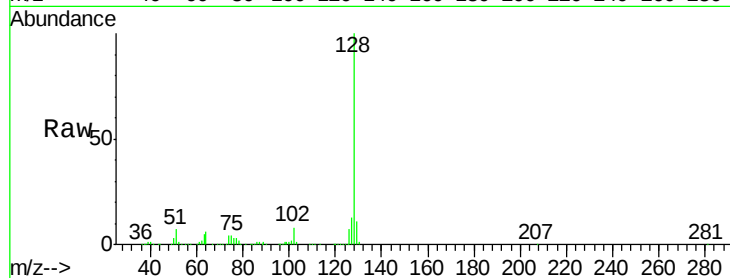




#95
Naphthalene
Concen: 21.303 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX008046.D
Acq: 13 Mar 2019 13:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion:128 Resp: 206487
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 20.487 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX008046.D
Acq: 13 Mar 2019 13:58

Tgt Ion:180 Resp: 68655
Ion Ratio Lower Upper
180 100
182 97.3 47.5 142.5
145 30.7 14.8 44.3

