

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080618\
 Data File : VX003864.D
 Acq On : 06 Aug 2018 16:27
 Operator : JC/MD
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Quant Time: Aug 07 06:58:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 06:57:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	384728	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	561422	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	471565	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	241668	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	6568	1.32	ug/l	0.00
Spiked Amount			Recovery	=	2.64%	
35) Dibromofluoromethane	5.50	113	4805	1.10	ug/l	0.00
Spiked Amount			Recovery	=	2.20%	
50) Toluene-d8	8.71	98	18771	1.11	ug/l	0.00
Spiked Amount			Recovery	=	2.22%	
62) 4-Bromofluorobenzene	11.14	95	5380	0.91	ug/l	0.00
Spiked Amount			Recovery	=	1.82%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	4107	1.087	ug/l	96
3) Chloromethane	1.32	50	6370	1.030	ug/l	100
4) Vinyl Chloride	1.40	62	6034	1.230	ug/l	97
5) Bromomethane	1.65	94	4748	1.797	ug/l	93
6) Chloroethane	1.73	64	3811	1.357	ug/l	98
7) Trichlorofluoromethane	1.93	101	7908	1.257	ug/l	99
8) Diethyl Ether	2.18	74	3533	1.289	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.39	101	5145	1.292	ug/l	98
10) Methyl Iodide	2.51	142	5888	1.107	ug/l	99
11) Tert butyl alcohol	3.06	59	6380	5.820	ug/l #	86
12) 1,1-Dichloroethene	2.37	96	4889	1.268	ug/l	95
13) Acrolein	2.29	56	4703	5.632	ug/l	91
14) Allyl chloride	2.73	41	8419	1.172	ug/l	92
15) Acrylonitrile	3.15	53	15870	6.076	ug/l	98
16) Acetone	2.45	43	17998	6.722	ug/l	99
17) Carbon Disulfide	2.57	76	17835	1.638	ug/l	100
18) Methyl Acetate	2.78	43	7182	1.171	ug/l	94
19) Methyl tert-butyl Ether	3.20	73	15583	1.170	ug/l	97
20) Methylene Chloride	2.85	84	19462	4.163	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	5825	1.371	ug/l	90
22) Diisopropyl ether	3.87	45	17250	1.262	ug/l	98
23) Vinyl Acetate	3.82	43	65327	5.766	ug/l	99
24) 1,1-Dichloroethane	3.70	63	9773	1.261	ug/l	93
25) 2-Butanone	4.70	43	24172	5.425	ug/l	98
26) 2,2-Dichloropropane	4.58	77	7141	1.340	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	5639	1.175	ug/l	95
28) Bromochloromethane	5.02	49	3805	1.060	ug/l #	98
29) Tetrahydrofuran	5.17	42	12488	5.500	ug/l	99
30) Chloroform	5.21	83	8898	1.119	ug/l	94
31) Cyclohexane	5.57	56	8191	1.220	ug/l	92
32) 1,1,1-Trichloroethane	5.49	97	6802	1.025	ug/l #	47
36) 1,1-Dichloropropene	5.80	75	7211	1.186	ug/l	98
37) Ethyl Acetate	4.86	43	7429	1.073	ug/l	98
38) Carbon Tetrachloride	5.78	117	6214	1.028	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	8084	1.162	ug/l	98
40) Benzene	6.14	78	20594	1.106	ug/l	99
41) Methacrylonitrile	5.06	41	3952	1.058	ug/l	93
42) 1,2-Dichloroethane	6.20	62	6971	1.119	ug/l	97
43) Isopropyl Acetate	6.46	43	10144	0.977	ug/l	98
44) Trichloroethene	7.21	130	5941	1.182	ug/l	90
45) 1,2-Dichloropropane	7.51	63	5353	1.110	ug/l	97
46) Dibromomethane	7.67	93	3571	1.153	ug/l	94
47) Bromodichloromethane	7.90	83	5973	1.021	ug/l	98
48) Methyl methacrylate	7.77	41	4868	0.928	ug/l	97
49) 1,4-Dioxane	7.76	88	2199	17.706	ug/l #	90
51) 4-Methyl-2-Pentanone	8.65	43	39099	4.519	ug/l	99
52) Toluene	8.79	92	11941	1.037	ug/l	94
53) t-1,3-Dichloropropene	9.04	75	6304	0.985	ug/l	100
54) cis-1,3-Dichloropropene	8.44	75	6810	0.975	ug/l	97
55) 1,1,2-Trichloroethane	9.22	97	5172	1.070	ug/l	94
56) Ethyl methacrylate	9.18	69	6037	0.891	ug/l #	93
57) 1,3-Dichloropropane	9.37	76	8545	1.089	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.32	63	14338	4.143	ug/l	99
59) 2-Hexanone	9.50	43	27722	4.201	ug/l	96
60) Dibromochloromethane	9.59	129	4275	0.910	ug/l	99
61) 1,2-Dibromoethane	9.67	107	5046	1.025	ug/l	98
64) Tetrachloroethene	9.34	164	5791	1.326	ug/l	94
65) Chlorobenzene	10.14	112	14280	1.215	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.22	131	4154	1.007	ug/l #	64
67) Ethyl Benzene	10.25	91	21268	1.125	ug/l	99
68) m/p-Xylenes	10.36	106	16564	2.246	ug/l	93
69) o-Xylene	10.70	106	7377	1.042	ug/l	92
70) Styrene	10.71	104	11411	0.979	ug/l	98
71) Bromoform	10.86	173	2745	0.819	ug/l #	98
73) Isopropylbenzene	11.02	105	18125	1.123	ug/l	96
74) N-amyl acetate	6.46	43	10144	1.282	ug/l #	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	6716	1.188	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	7194	1.468	ug/l	86
77) Bromobenzene	11.26	156	5508	1.249	ug/l	98
78) n-propylbenzene	11.36	91	20767	1.155	ug/l	100
79) 2-Chlorotoluene	11.42	91	13057	1.189	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	13959	1.059	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.08	75	1543	0.982	ug/l	88
82) 4-Chlorotoluene	11.51	91	15350	1.208	ug/l	99
83) tert-Butylbenzene	11.77	119	14331	1.072	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	14397	1.059	ug/l	100
85) sec-Butylbenzene	11.94	105	17165	1.098	ug/l	98
86) p-Isopropyltoluene	12.07	119	15195	1.080	ug/l	95
87) 1,3-Dichlorobenzene	12.02	146	11159	1.351	ug/l	99
88) 1,4-Dichlorobenzene	12.02	146	11159	1.310	ug/l	97
89) n-Butylbenzene	12.39	91	14225	1.171	ug/l	99
90) Hexachloroethane	12.60	117	2516	1.102	ug/l	93
91) 1,2-Dichlorobenzene	12.39	146	10291	1.224	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	1251	1.003	ug/l	97

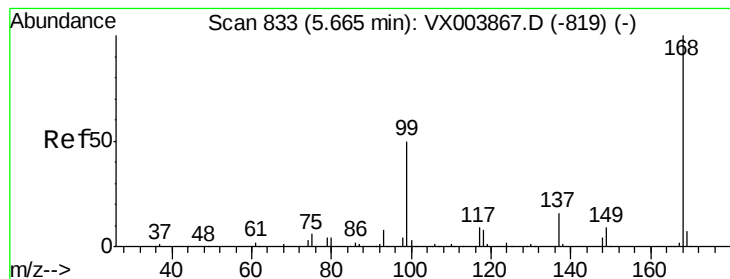
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080618\
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Quant Title : SW846 8260
QLast Update : Tue Aug 07 06:57:25 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	7498	1.258	ug/l	99
94) Hexachlorobutadiene	13.78	225	3937	1.367	ug/l	100
95) Naphthalene	13.83	128	16694	0.966	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	6941	1.126	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.01 min

Lab File: VX003864.D

Acq: 06 Aug 2018 16:27

Instrument :

MSVOA_X

ClientSampleId :

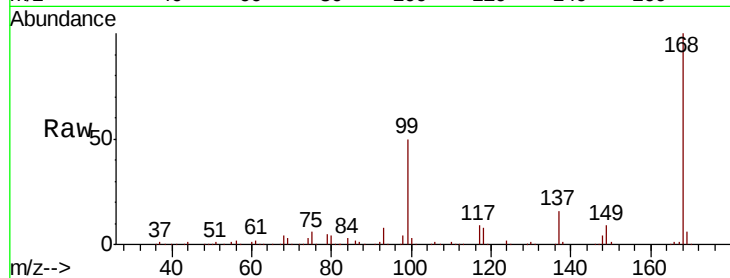
VSTDIC001

Tot Ion:168 Resp: 384728

Ion Ratio Lower Upper

168 100

99 50.0 40.1 60.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

150000

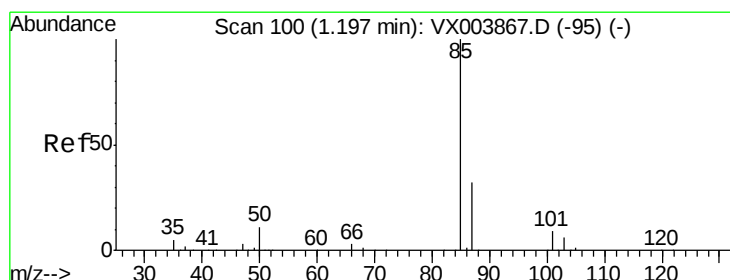
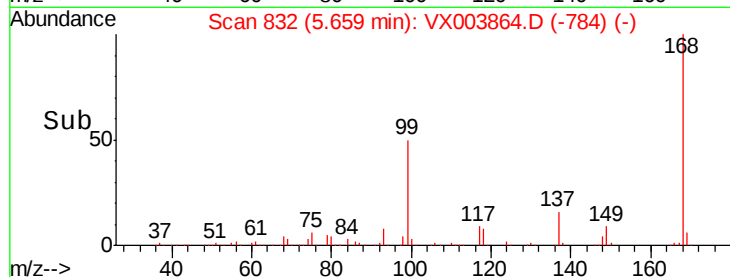
100000

50000

0

5.50 5.60 5.70 5.80 5.90

Time-->



#2

Dichlorodifluoromethane

Concen: 1.087 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003864.D

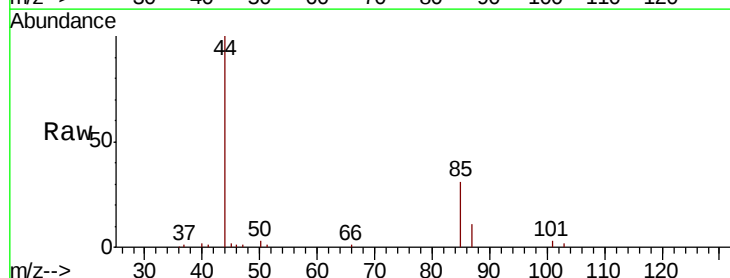
Acq: 06 Aug 2018 16:27

Tgt Ion: 85 Resp: 4107

Ion Ratio Lower Upper

85 100

87 34.1 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

4000

3000

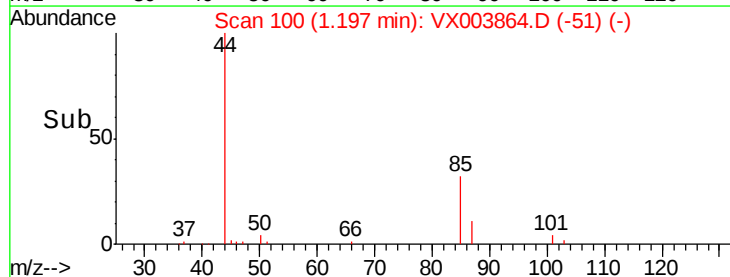
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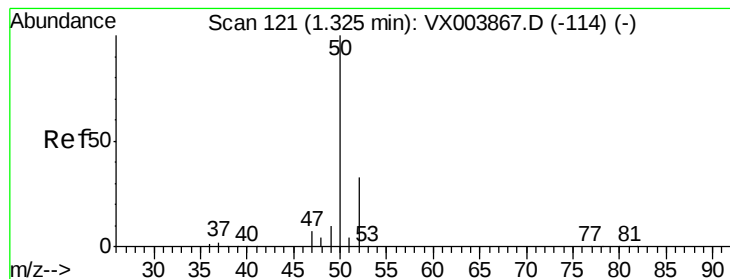
1000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 1.030 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003864.D

Acq: 06 Aug 2018 16:27

Instrument :

MSVOA_X

ClientSampled :

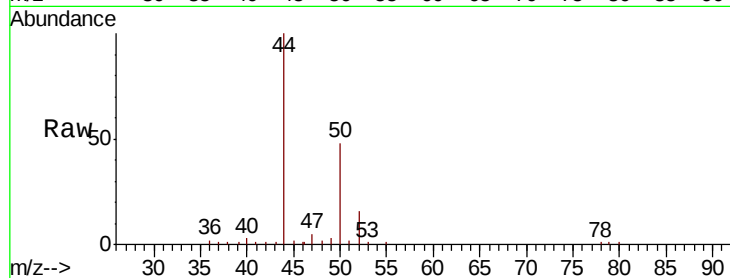
VSTDIC001

Tot Ion: 50 Resp: 6370

Ion Ratio Lower Upper

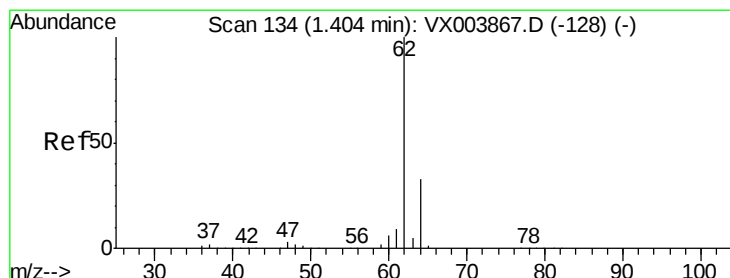
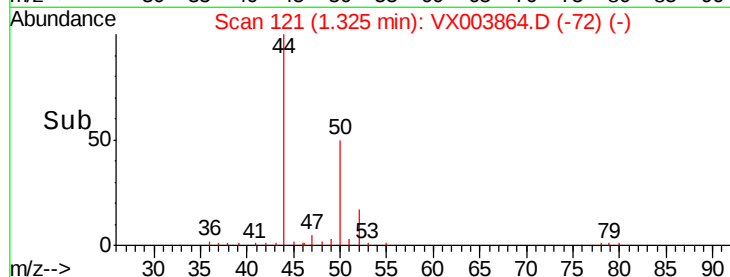
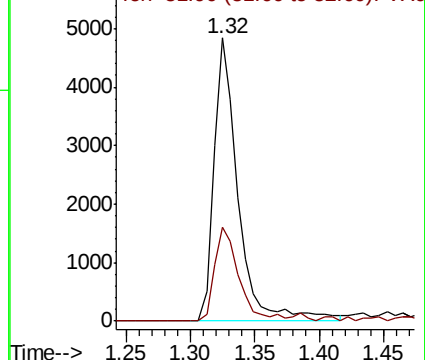
50 100

52 33.1 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 1.230 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003864.D

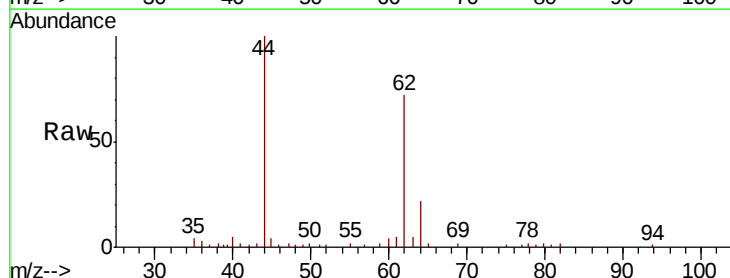
Acq: 06 Aug 2018 16:27

Tgt Ion: 62 Resp: 6034

Ion Ratio Lower Upper

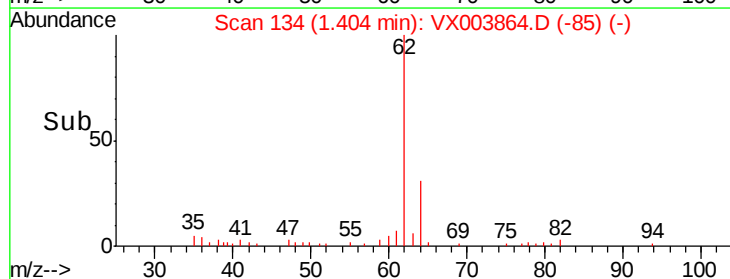
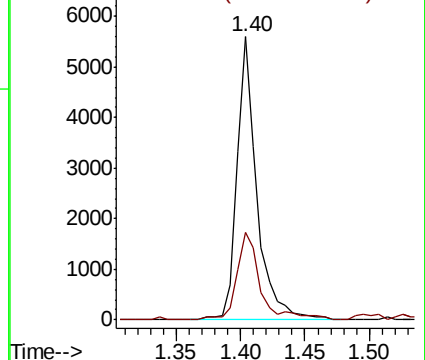
62 100

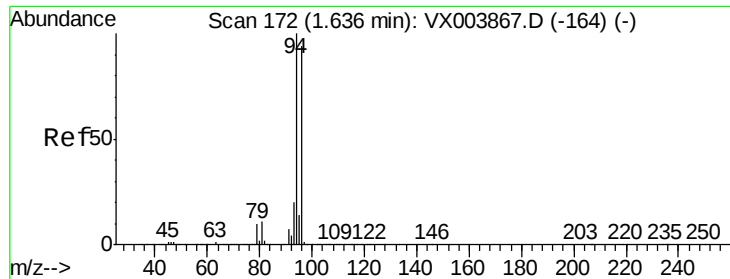
64 30.9 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 1.797 ug/l

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX003864.D

Acq: 06 Aug 2018 16:27

Instrument :

MSVOA_X

ClientSampleId :

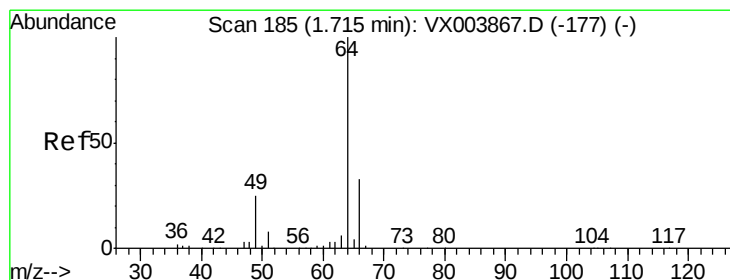
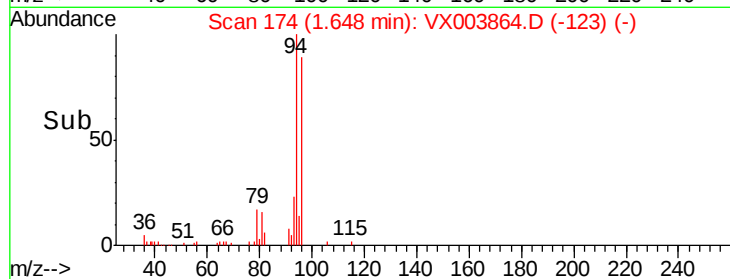
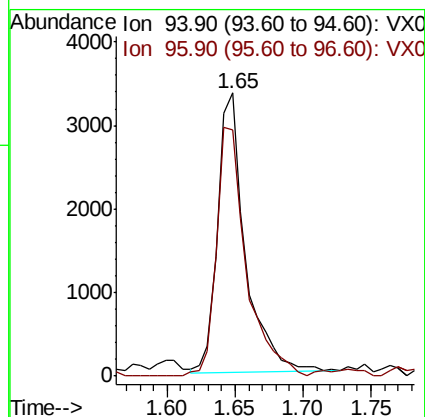
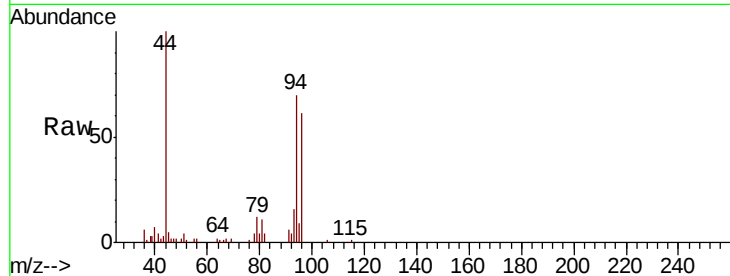
VSTDIC001

Tot Ion: 94 Resp: 4748

Ion Ratio Lower Upper

94 100

96 87.5 75.2 112.8



#6

Chloroethane

Concen: 1.357 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX003864.D

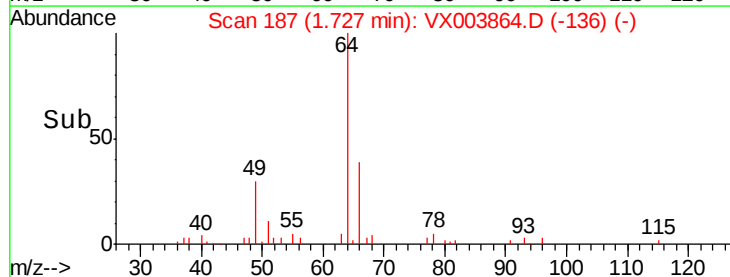
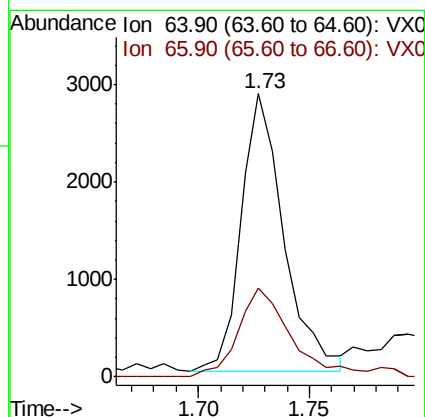
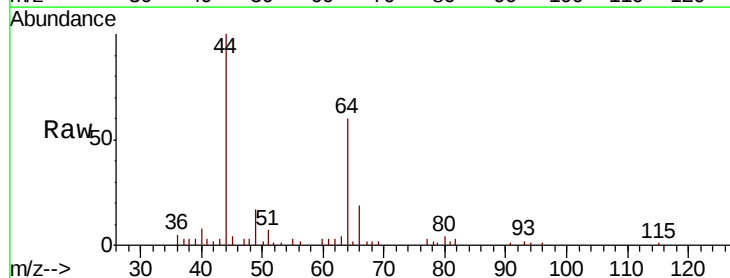
Acq: 06 Aug 2018 16:27

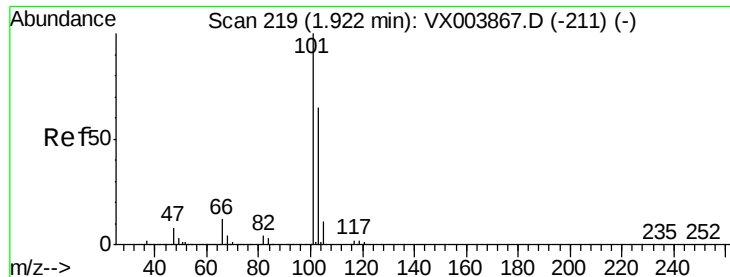
Tgt Ion: 64 Resp: 3811

Ion Ratio Lower Upper

64 100

66 32.1 26.5 39.7



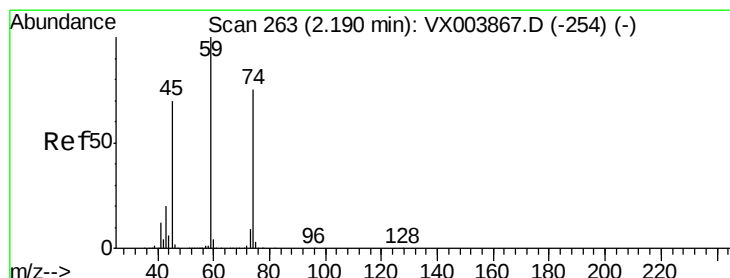
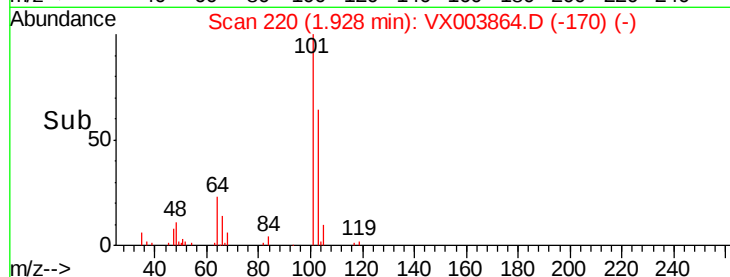
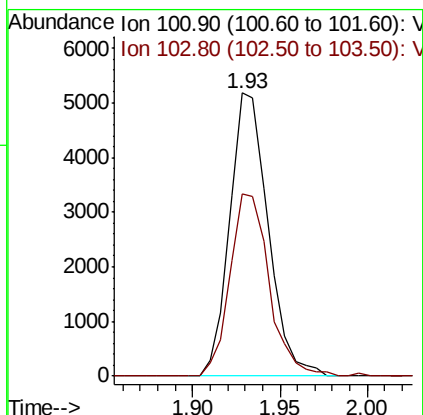
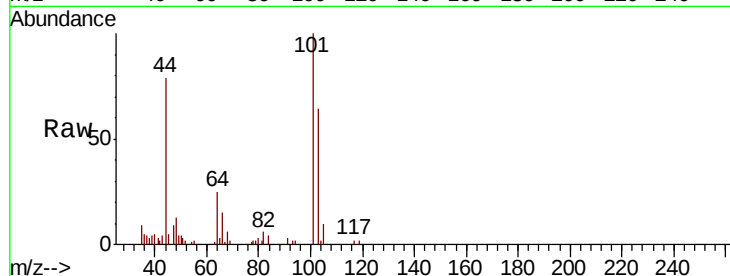


#7

Trichlorofluoromethane
 Concen: 1.257 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: VX003864.D
 Acq: 06 Aug 2018 16:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

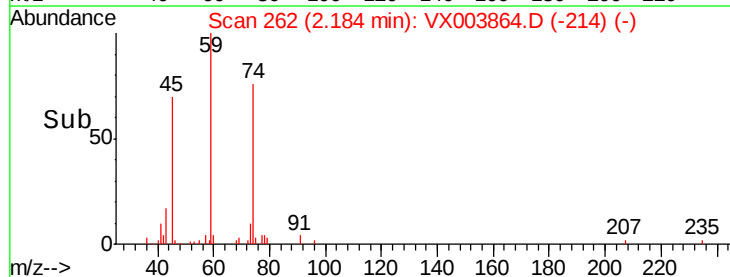
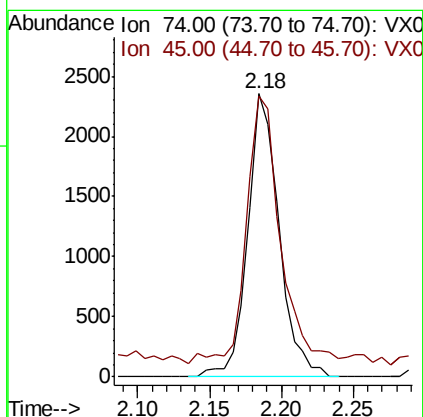
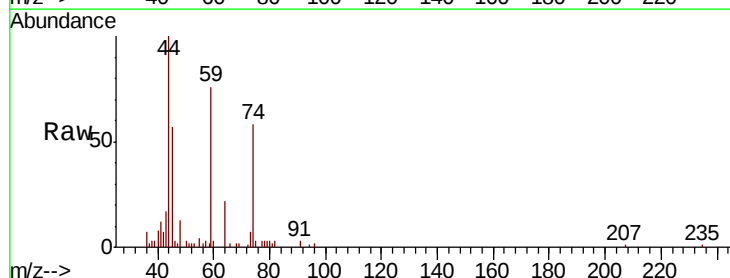
Tot Ion:101 Resp: 7908
 Ion Ratio Lower Upper
 101 100
 103 64.4 52.3 78.5

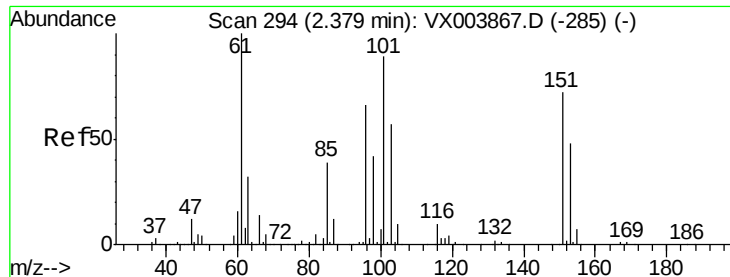


#8

Diethyl Ether
 Concen: 1.289 ug/l
 RT: 2.18 min Scan# 262
 Delta R.T. -0.01 min
 Lab File: VX003864.D
 Acq: 06 Aug 2018 16:27

Tgt Ion: 74 Resp: 3533
 Ion Ratio Lower Upper
 74 100
 45 101.7 48.3 144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.292 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX003864.D

Acq: 06 Aug 2018 16:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

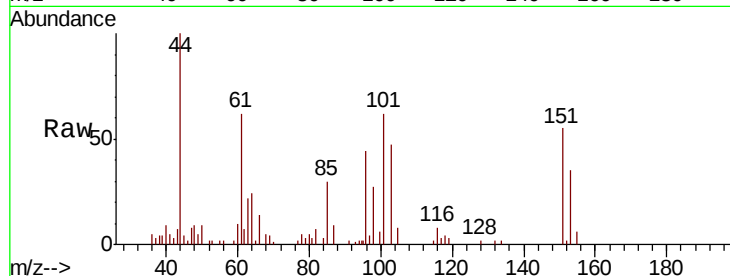
Tot Ion:101 Resp: 5145

Ion Ratio Lower Upper

101 100

85 45.1 34.2 51.4

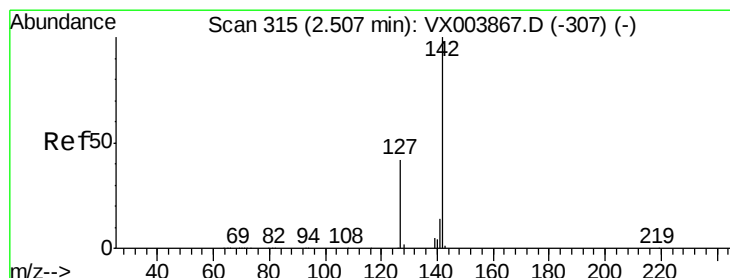
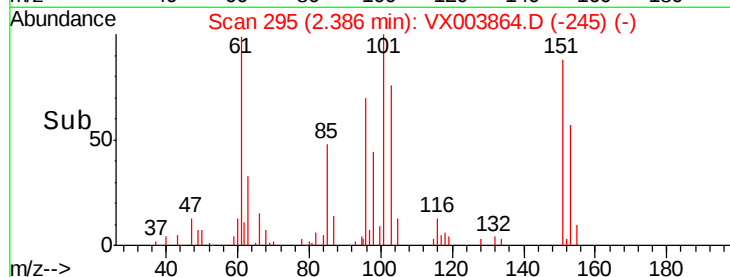
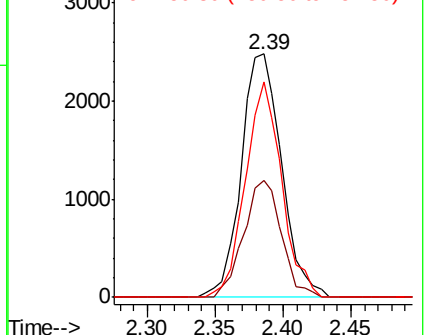
151 79.5 65.0 97.4



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: 1.107 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.01 min

Lab File: VX003864.D

Acq: 06 Aug 2018 16:27

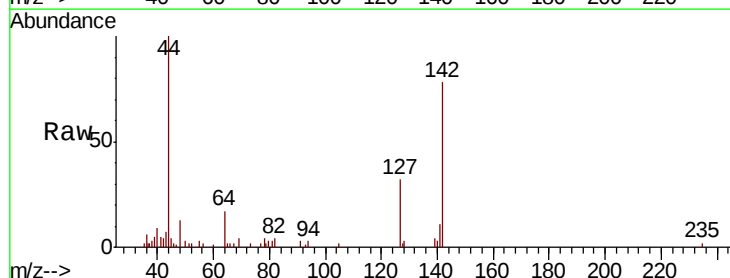
Tgt Ion:142 Resp: 5888

Ion Ratio Lower Upper

142 100

127 42.0 33.1 49.7

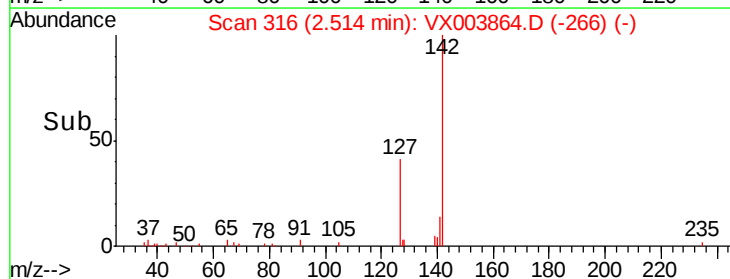
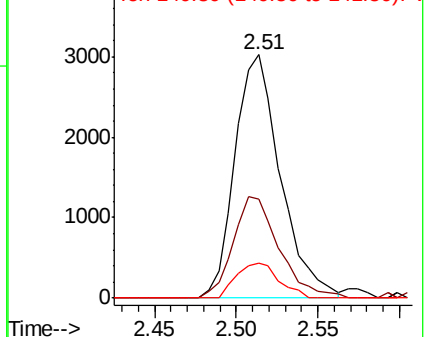
141 13.4 11.1 16.7

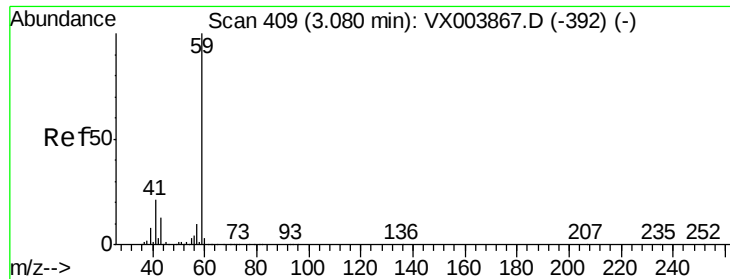


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

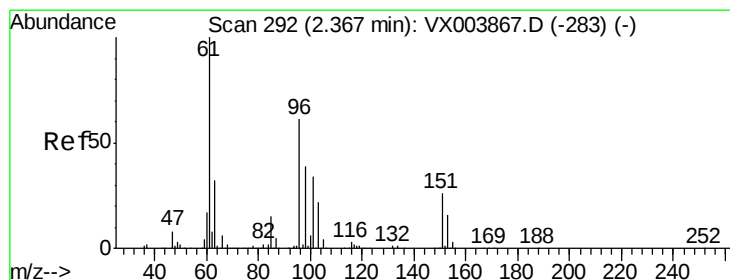
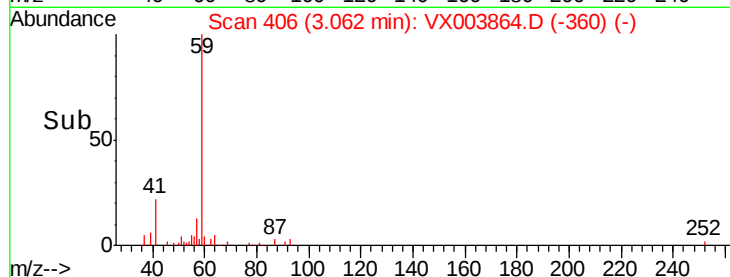
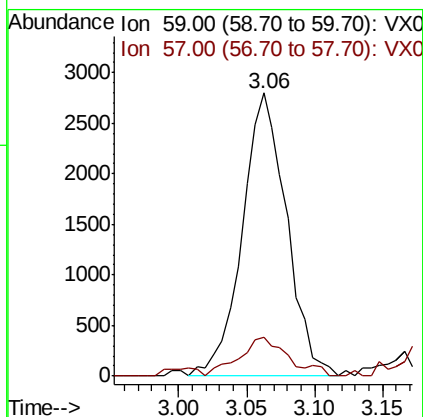
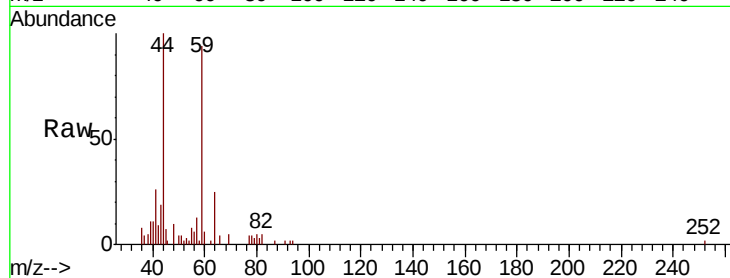




#11
Tert butyl alcohol
Concen: 5.820 ug/l
RT: 3.06 min Scan# 406
Delta R.T. -0.02 min
Lab File: VX003864.D
Acq: 06 Aug 2018 16:27

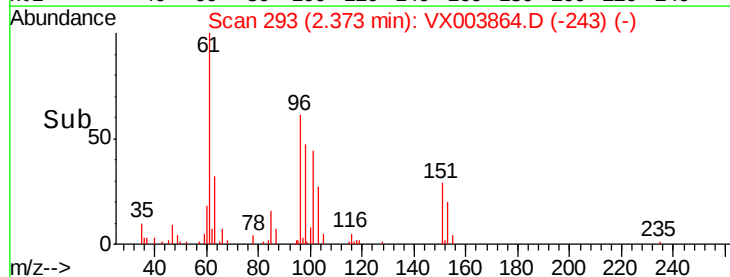
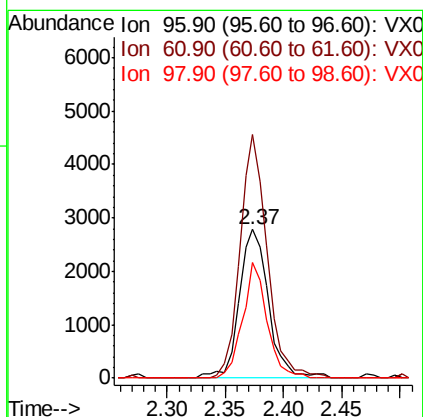
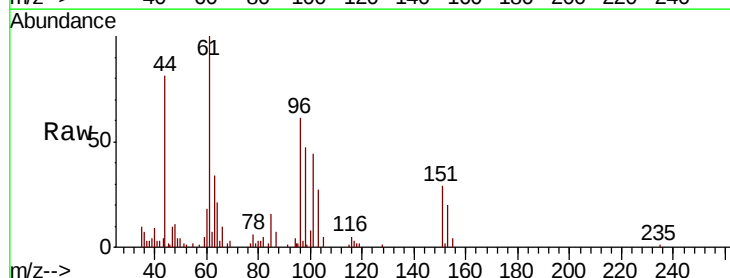
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

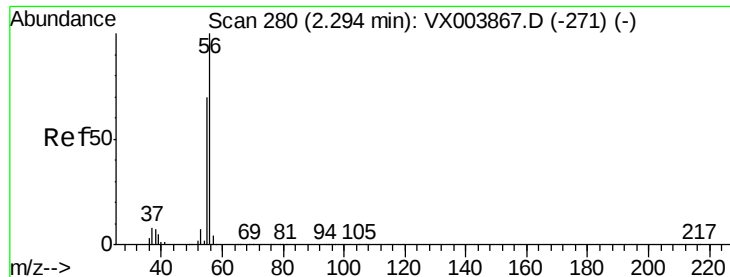
Tot Ion: 59 Resp: 6380
Ion Ratio Lower Upper
59 100
57 15.2 8.1 12.1#



#12
1,1-Dichloroethene
Concen: 1.268 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.01 min
Lab File: VX003864.D
Acq: 06 Aug 2018 16:27

Tgt Ion: 96 Resp: 4889
Ion Ratio Lower Upper
96 100
61 163.7 131.3 196.9
98 77.5 51.8 77.6





#13

Acrolein

Concen: 5.632 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003864.D

Acq: 06 Aug 2018 16:27

Instrument :

MSVOA_X

ClientSampleId :

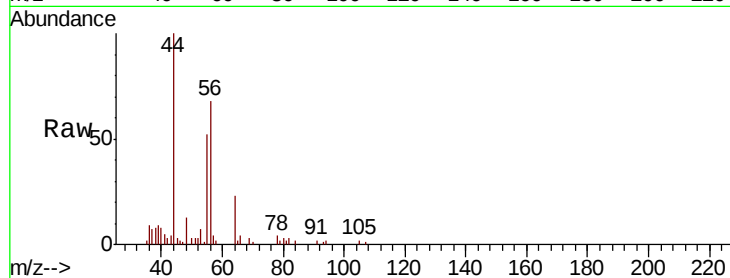
VSTDIC001

Tot Ion: 56 Resp: 4703

Ion Ratio Lower Upper

56 100

55 77.2 56.1 84.1



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

3000

2500

2000

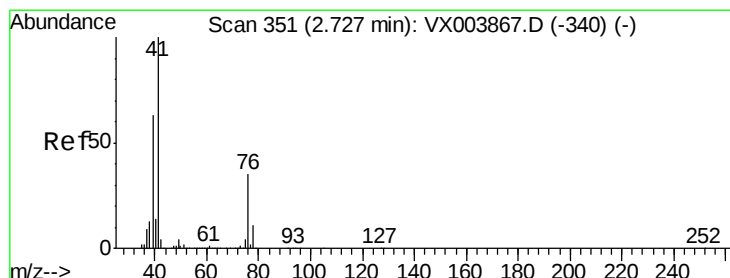
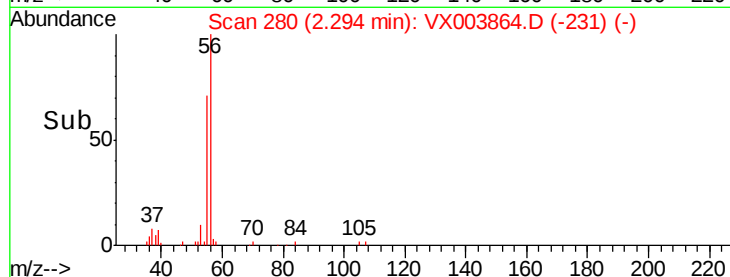
1500

1000

500

0

Time--> 2.20 2.25 2.30 2.35



#14

Allyl chloride

Concen: 1.172 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX003864.D

Acq: 06 Aug 2018 16:27

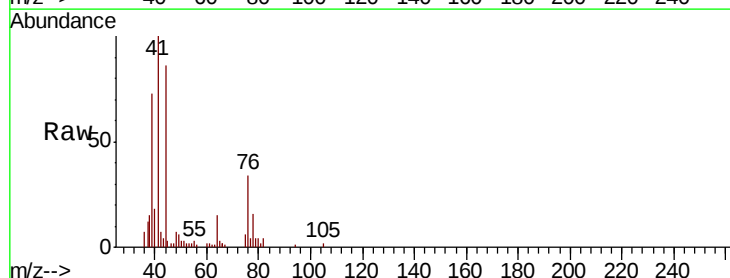
Tgt Ion: 41 Resp: 8419

Ion Ratio Lower Upper

41 100

39 66.4 47.4 71.0

76 35.0 26.0 39.0



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

6000

5000

4000

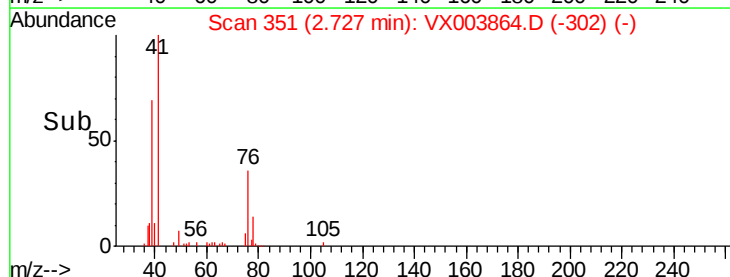
3000

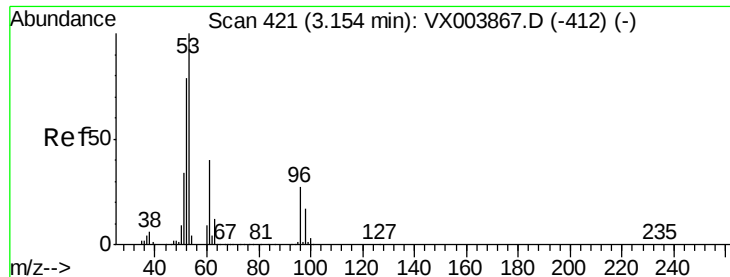
2000

1000

0

Time--> 2.60 2.65 2.70 2.75 2.80





#15

Acrylonitrile

Concen: 6.076 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX003864.D

Acq: 06 Aug 2018 16:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

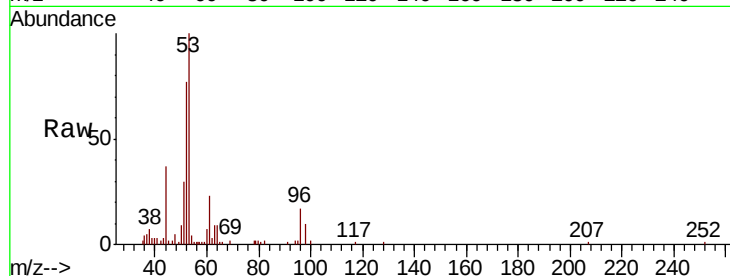
Tot Ion: 53 Resp: 15870

Ion Ratio Lower Upper

53 100

52 83.6 65.3 97.9

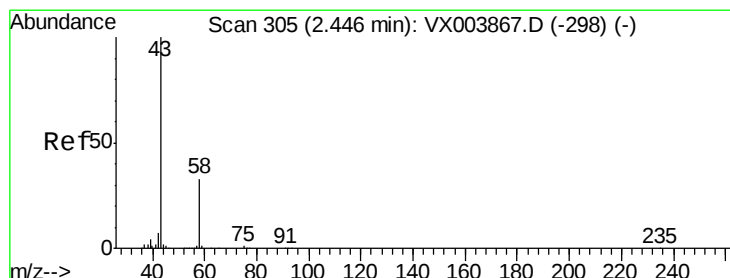
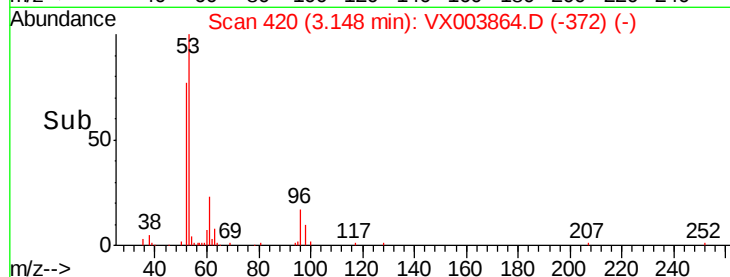
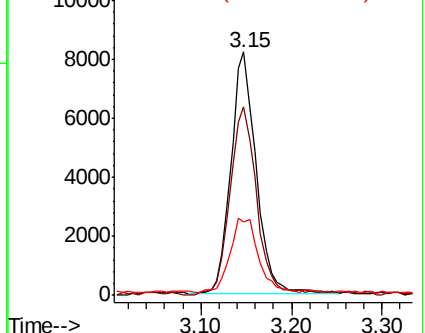
51 33.7 27.9 41.9



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 6.722 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003864.D

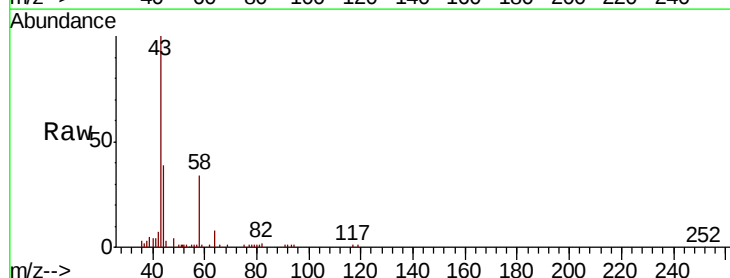
Acq: 06 Aug 2018 16:27

Tgt Ion: 43 Resp: 17998

Ion Ratio Lower Upper

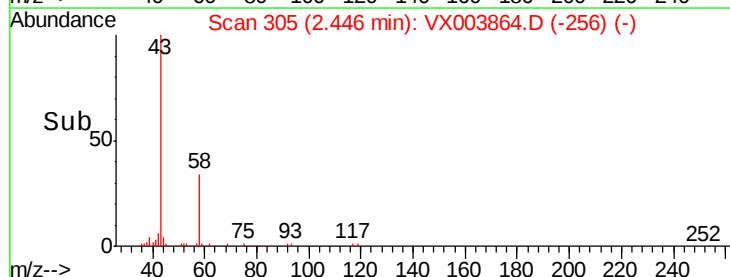
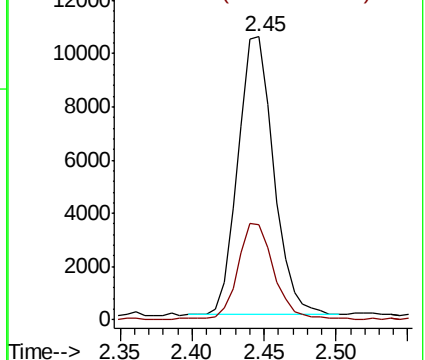
43 100

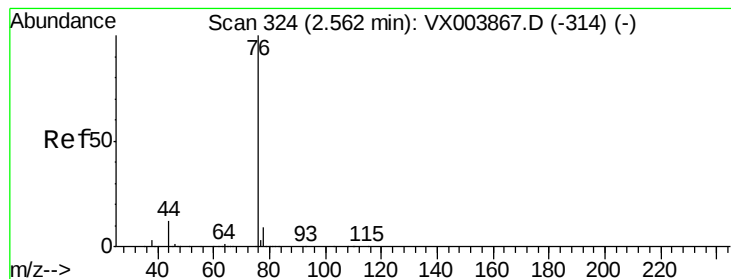
58 33.4 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 1.638 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.01 min

Lab File: VX003864.D

Acq: 06 Aug 2018 16:27

Instrument :

MSVOA_X

ClientSampleId :

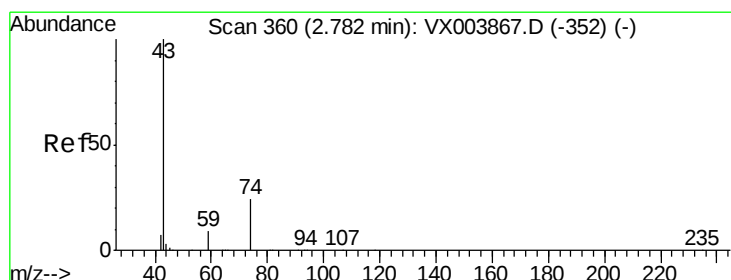
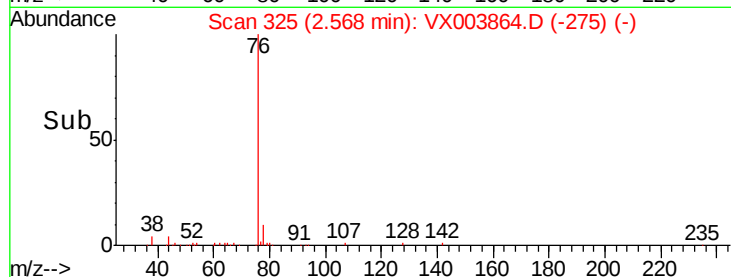
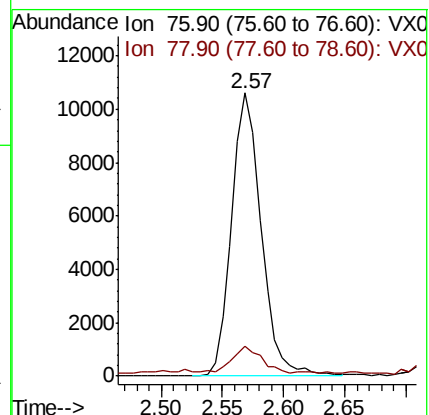
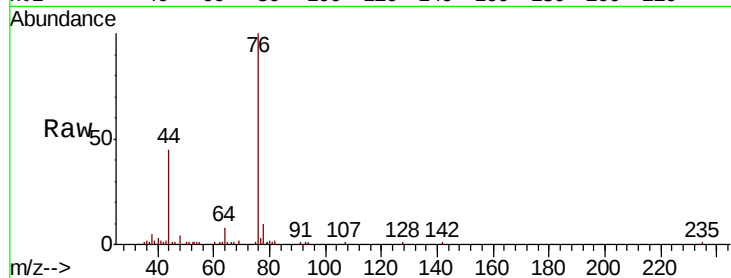
VSTDIC001

Tot Ion: 76 Resp: 17835

Ion Ratio Lower Upper

76 100

78 9.4 7.5 11.3



#18

Methyl Acetate

Concen: 1.171 ug/l

RT: 2.78 min Scan# 359

Delta R.T. -0.01 min

Lab File: VX003864.D

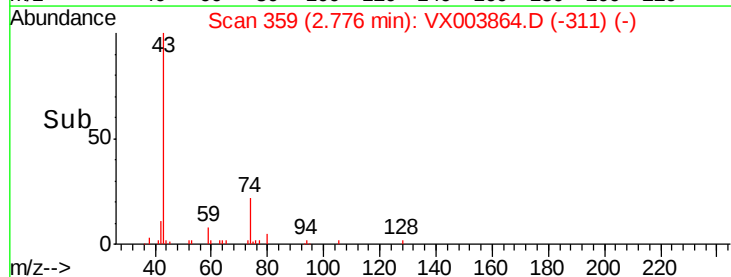
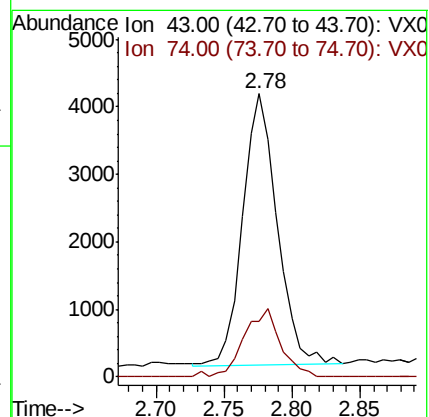
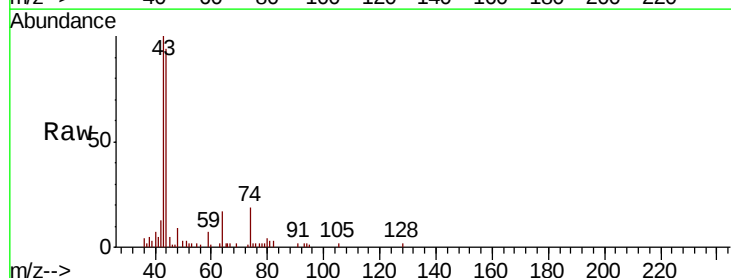
Acq: 06 Aug 2018 16:27

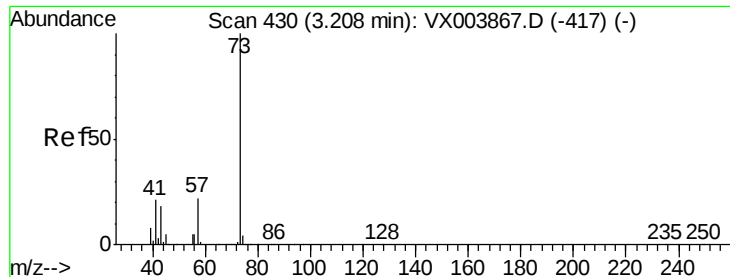
Tgt Ion: 43 Resp: 7182

Ion Ratio Lower Upper

43 100

74 26.5 18.9 28.3



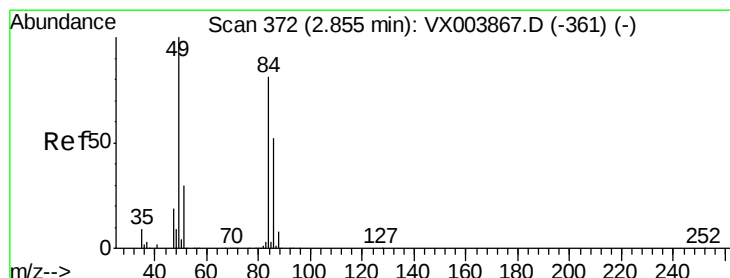
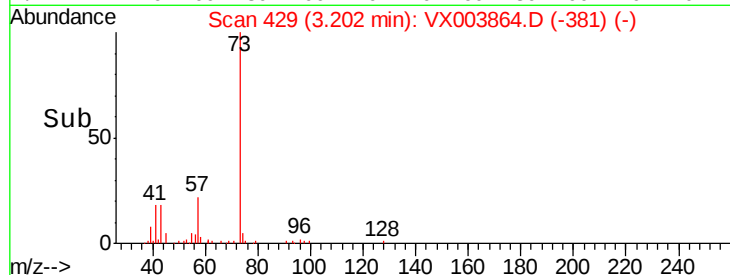
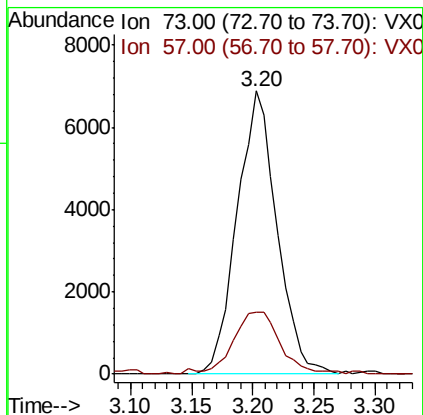
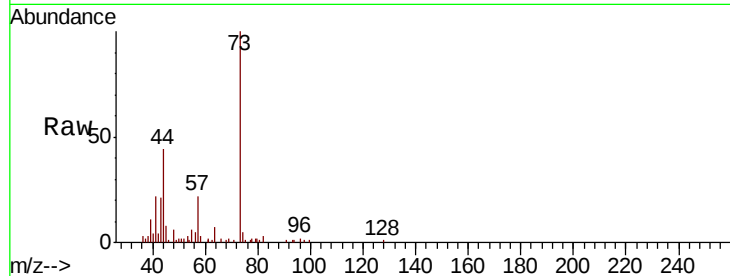


#19

Methyl tert-butyl Ether
 Concen: 1.170 ug/l
 RT: 3.20 min Scan# 429
 Delta R.T. -0.01 min
 Lab File: VX003864.D
 Acq: 06 Aug 2018 16:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

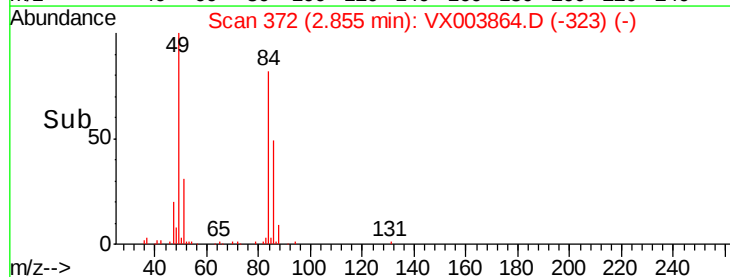
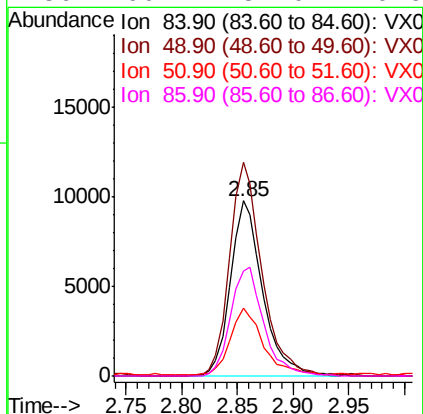
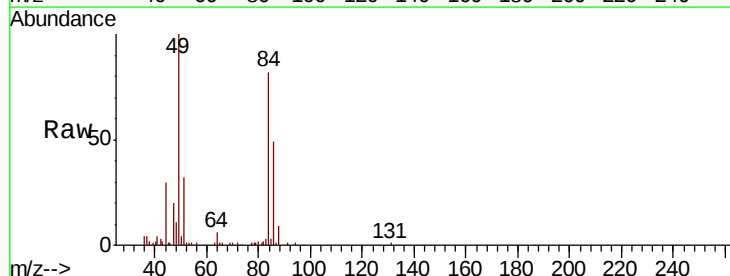
Tot Ion: 73 Resp: 15583
 Ion Ratio Lower Upper
 73 100
 57 21.0 18.0 27.0

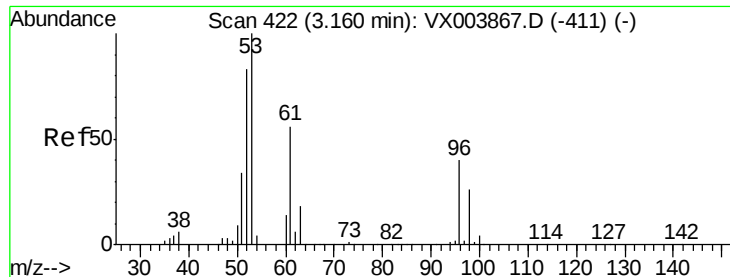


#20

Methylene Chloride
 Concen: 4.163 ug/l
 RT: 2.85 min Scan# 372
 Delta R.T. 0.00 min
 Lab File: VX003864.D
 Acq: 06 Aug 2018 16:27

Tgt Ion: 84 Resp: 19462
 Ion Ratio Lower Upper
 84 100
 49 122.1 98.9 148.3
 51 37.7 29.9 44.9
 86 60.4 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 1.371 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.00 min

Lab File: VX003864.D

Acq: 06 Aug 2018 16:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

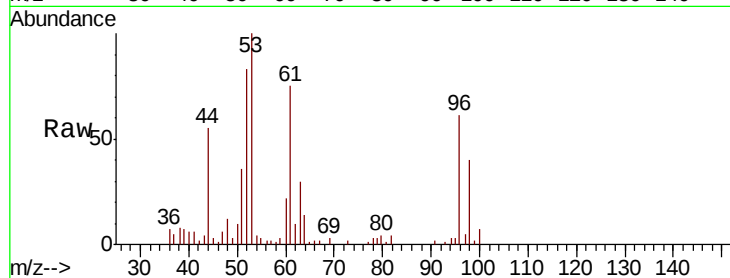
Tot Ion: 96 Resp: 5825

Ion Ratio Lower Upper

96 100

61 123.1 111.8 167.6

98 65.4 51.8 77.6

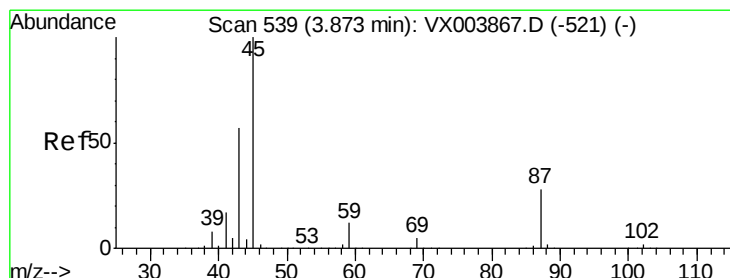
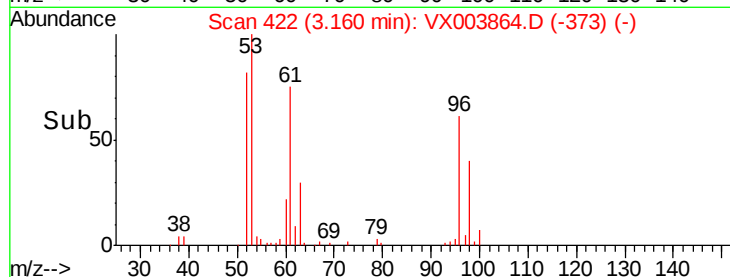
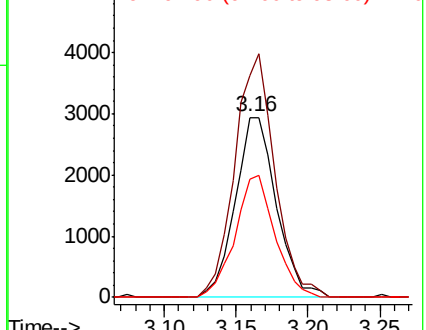


Abundance

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: 1.262 ug/l

RT: 3.87 min Scan# 539

Delta R.T. 0.00 min

Lab File: VX003864.D

Acq: 06 Aug 2018 16:27

Tgt Ion: 45 Resp: 17250

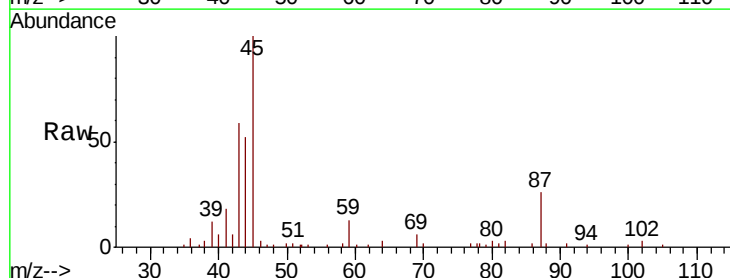
Ion Ratio Lower Upper

45 100

43 56.6 45.3 67.9

87 26.3 22.7 34.1

59 13.2 9.6 14.4



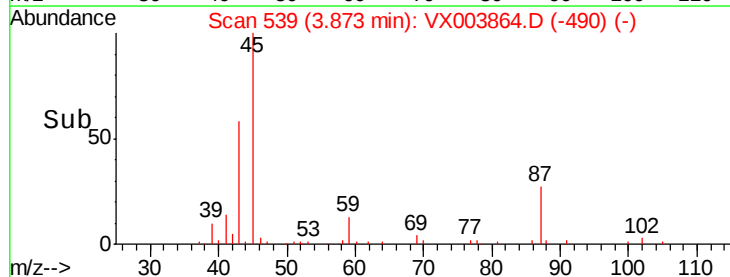
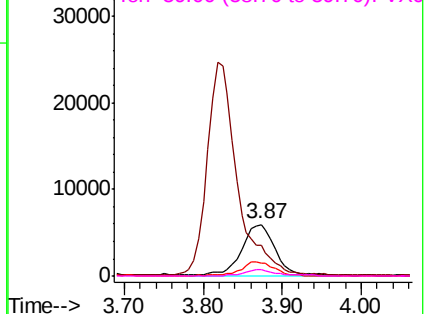
Abundance

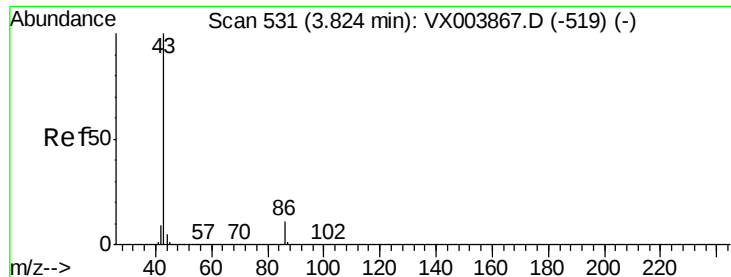
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 5.766 ug/l

RT: 3.82 min Scan# 530

Delta R.T. -0.01 min

Lab File: VX003864.D

Acq: 06 Aug 2018 16:27

Instrument :

MSVOA_X

ClientSampled :

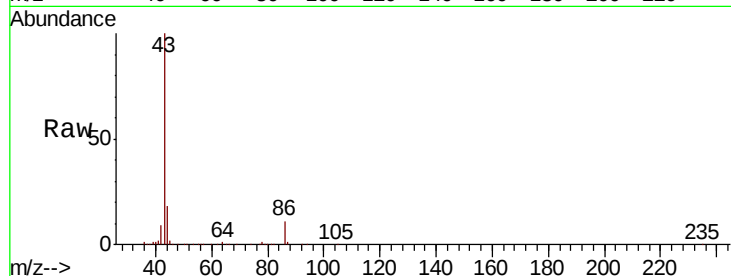
VSTDIC001

Tot Ion: 43 Resp: 65327

Ion Ratio Lower Upper

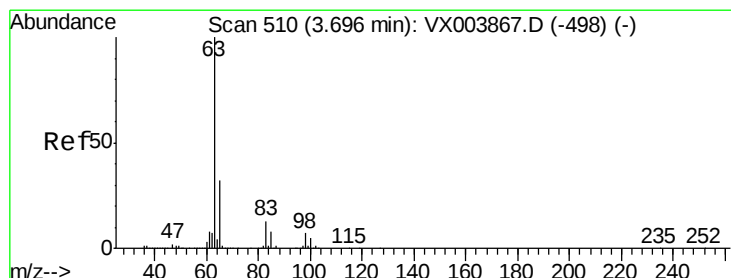
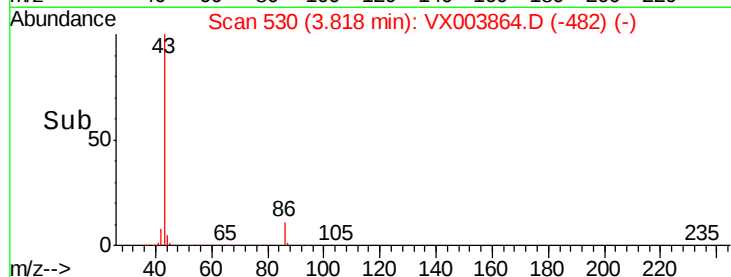
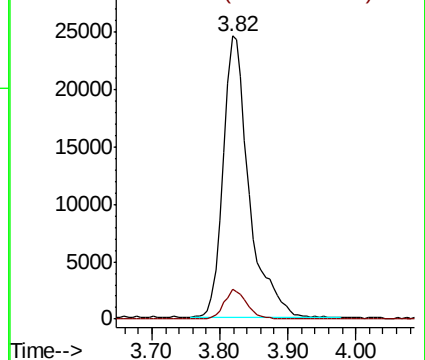
43 100

86 10.6 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 1.261 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003864.D

Acq: 06 Aug 2018 16:27

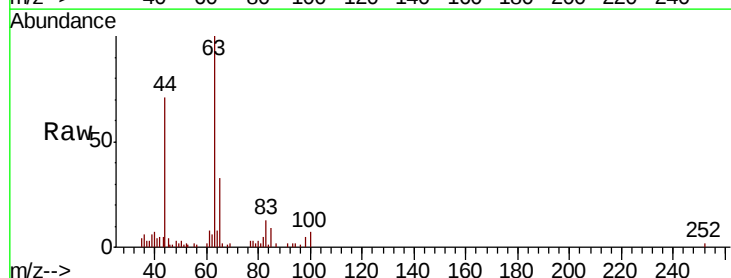
Tgt Ion: 63 Resp: 9773

Ion Ratio Lower Upper

63 100

98 4.5 3.5 10.5

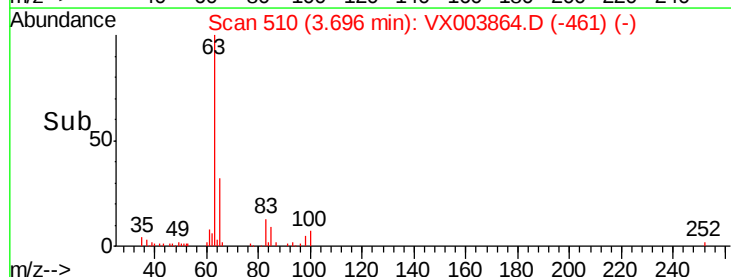
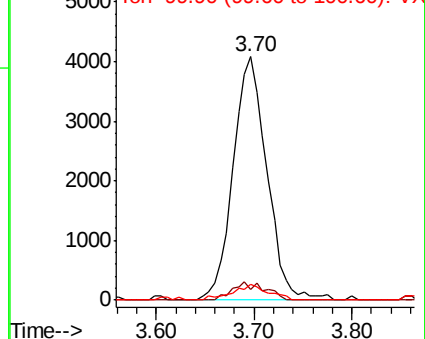
100 6.7 2.3 6.8

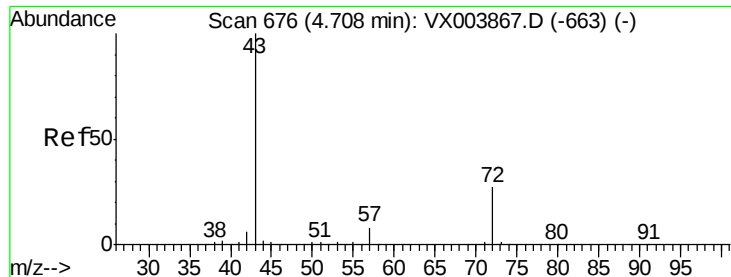


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 5.425 ug/l

RT: 4.70 min Scan# 675

Delta R.T. -0.01 min

Lab File: VX003864.D

Acq: 06 Aug 2018 16:27

Instrument :

MSVOA_X

ClientSampleId :

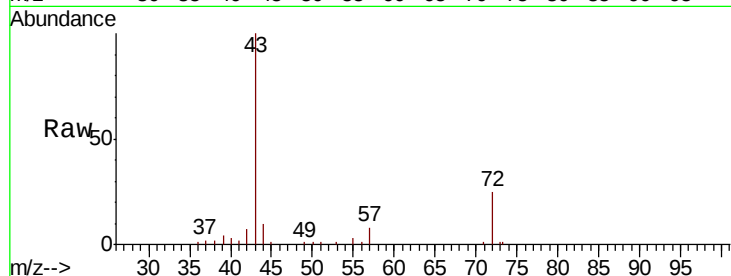
VSTDIC001

Tot Ion: 43 Resp: 24172

Ion Ratio Lower Upper

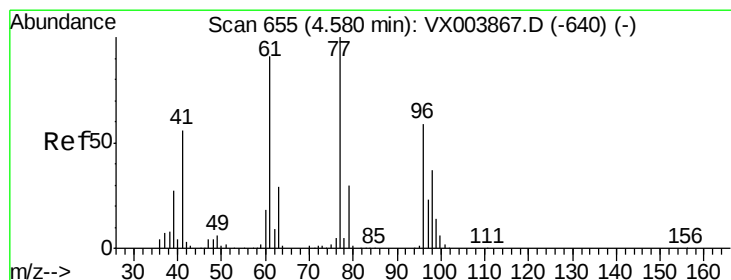
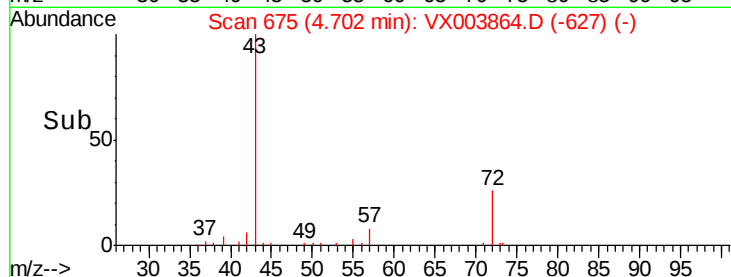
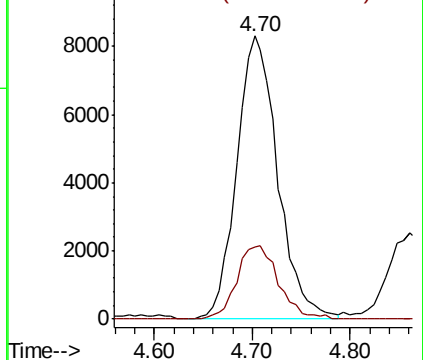
43 100

72 25.5 21.4 32.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 1.340 ug/l

RT: 4.58 min Scan# 655

Delta R.T. 0.00 min

Lab File: VX003864.D

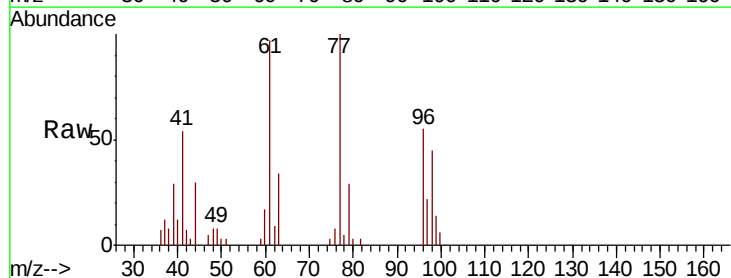
Acq: 06 Aug 2018 16:27

Tgt Ion: 77 Resp: 7141

Ion Ratio Lower Upper

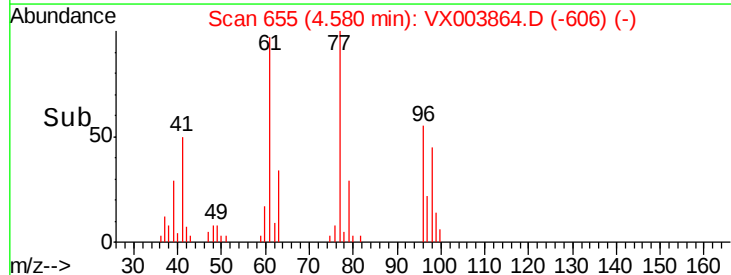
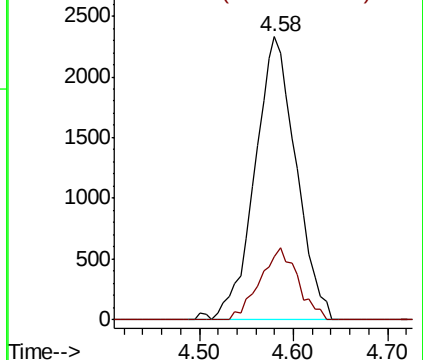
77 100

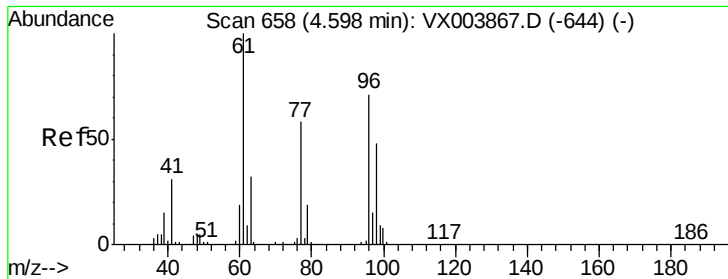
97 23.5 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



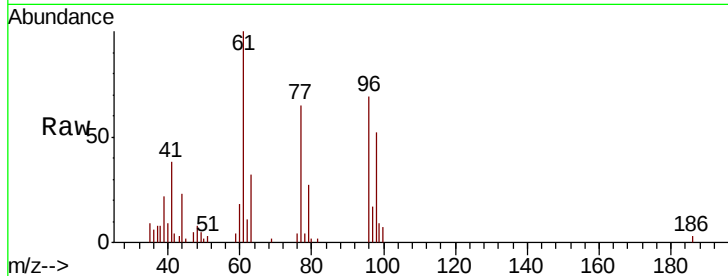


#27

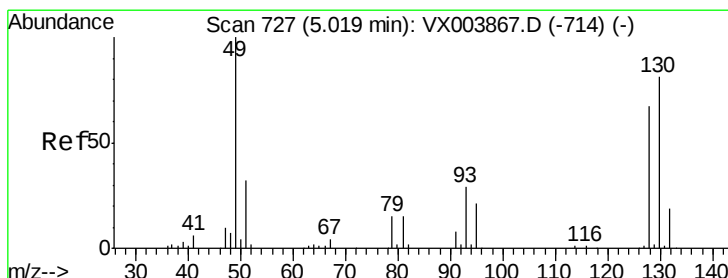
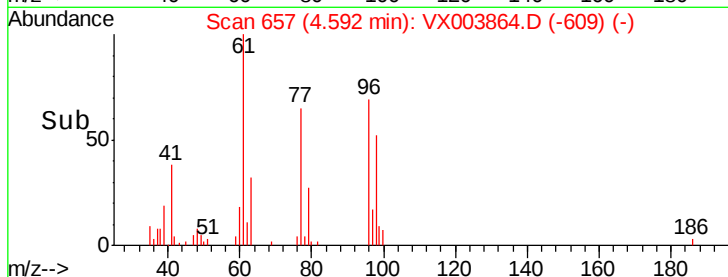
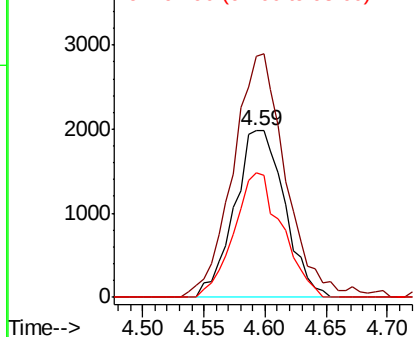
cis-1,2-Dichloroethene
Concen: 1.175 ug/l
RT: 4.59 min Scan# 657
Delta R.T. -0.01 min
Lab File: VX003864.D
Acq: 06 Aug 2018 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion: 96 Resp: 5639
Ion Ratio Lower Upper
96 100
61 152.3 0.0 293.0
98 71.7 0.0 131.8



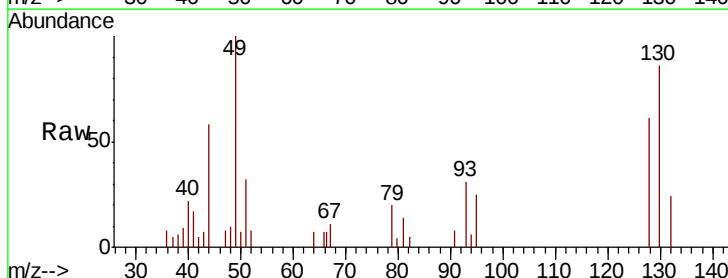
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



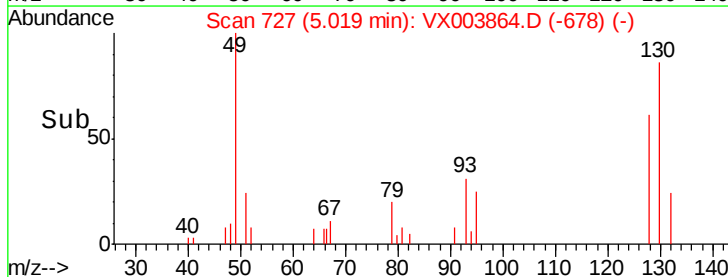
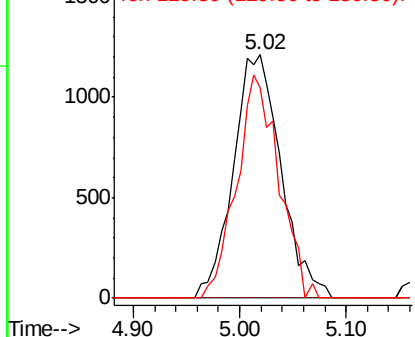
#28

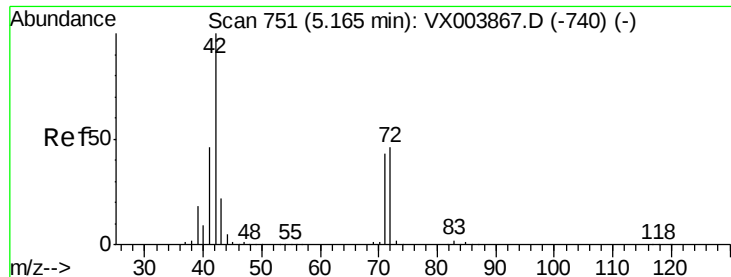
Bromochloromethane
Concen: 1.060 ug/l
RT: 5.02 min Scan# 727
Delta R.T. 0.00 min
Lab File: VX003864.D
Acq: 06 Aug 2018 16:27

Tgt Ion: 49 Resp: 3805
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.2
130 81.2 66.5 99.7



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





#29

Tetrahydrofuran

Concen: 5.500 ug/l

RT: 5.17 min Scan# 751

Delta R.T. 0.00 min

Lab File: VX003864.D

Acq: 06 Aug 2018 16:27

Instrument :

MSVOA_X

ClientSampled :

VSTDIC001

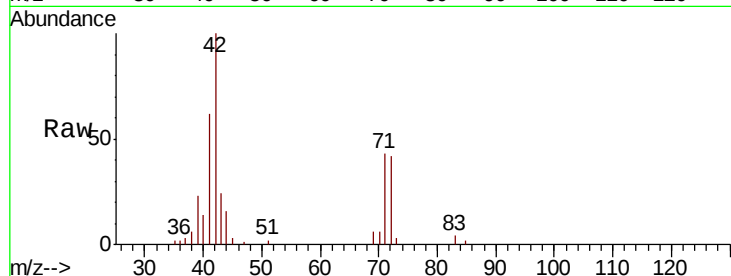
Tot Ion: 42 Resp: 12488

Ion Ratio Lower Upper

42 100

72 45.3 37.7 56.5

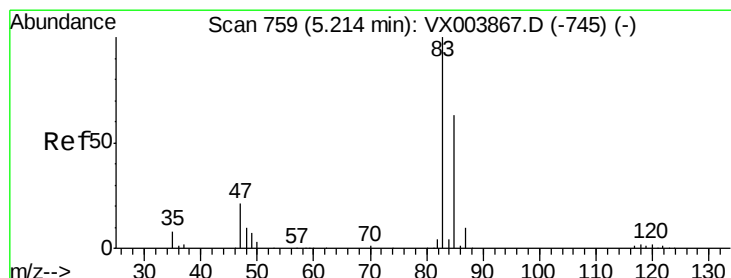
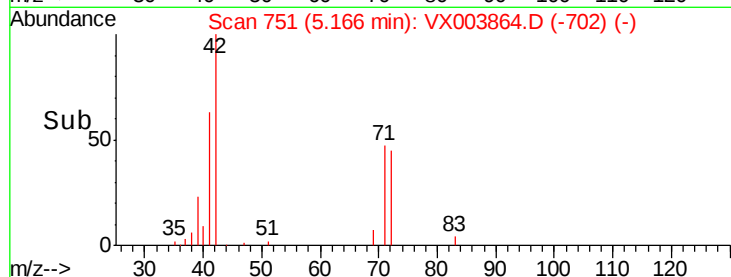
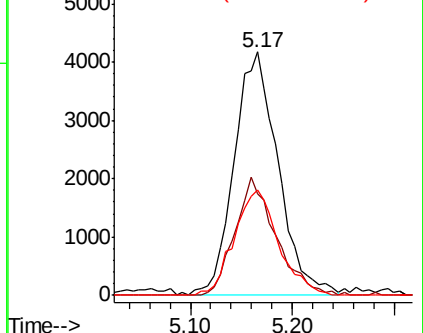
71 43.7 35.0 52.6



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 1.119 ug/l

RT: 5.21 min Scan# 759

Delta R.T. 0.00 min

Lab File: VX003864.D

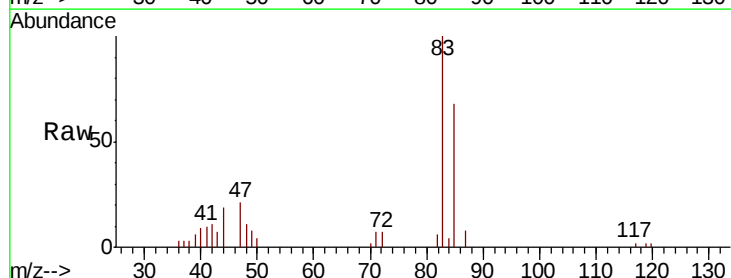
Acq: 06 Aug 2018 16:27

Tgt Ion: 83 Resp: 8898

Ion Ratio Lower Upper

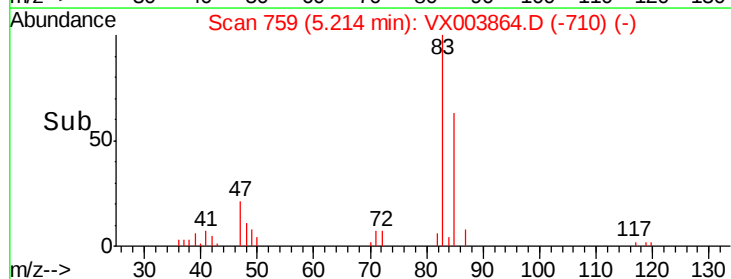
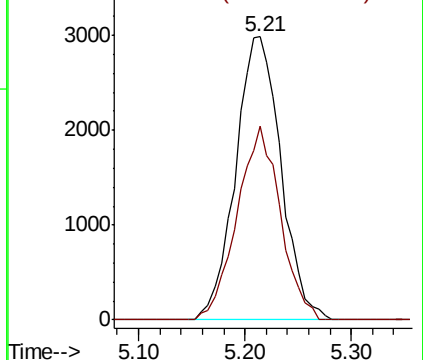
83 100

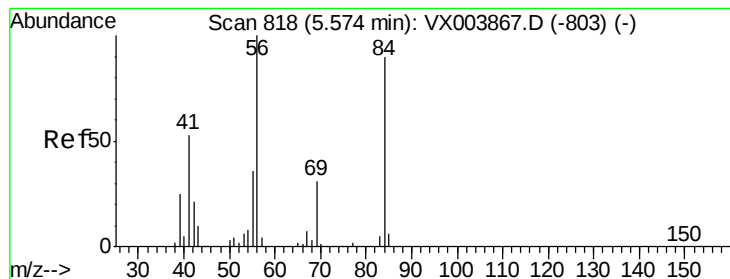
85 68.4 50.7 76.1



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 1.220 ug/l

RT: 5.57 min Scan# 817

Delta R.T. -0.01 min

Lab File: VX003864.D

Acq: 06 Aug 2018 16:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

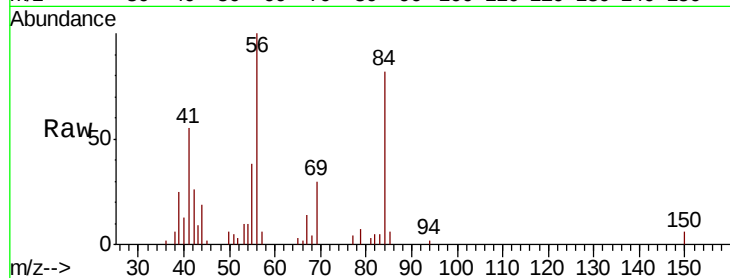
Tot Ion: 56 Resp: 8191

Ion Ratio Lower Upper

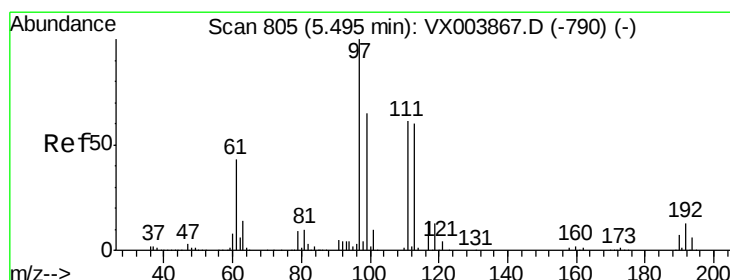
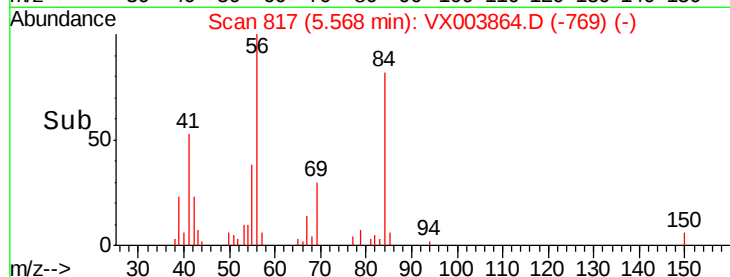
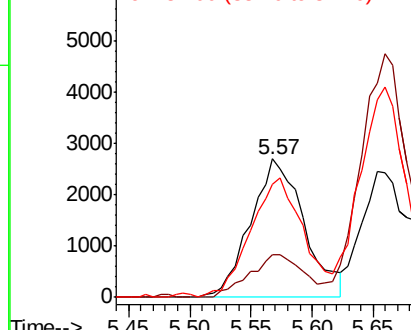
56 100

69 30.4 24.9 37.3

84 79.4 71.7 107.5



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: 1.025 ug/l

RT: 5.49 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX003864.D

Acq: 06 Aug 2018 16:27

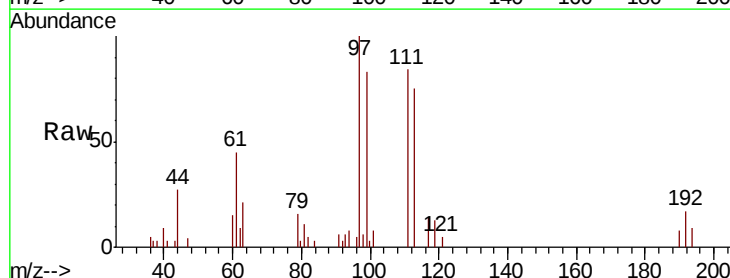
Tgt Ion: 97 Resp: 6802

Ion Ratio Lower Upper

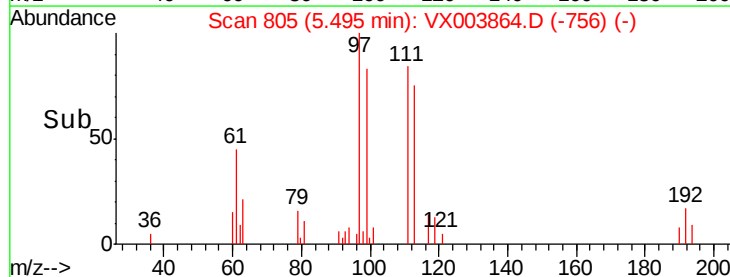
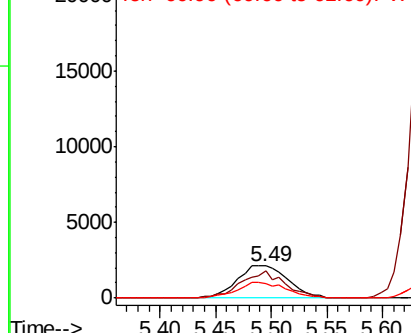
97 100

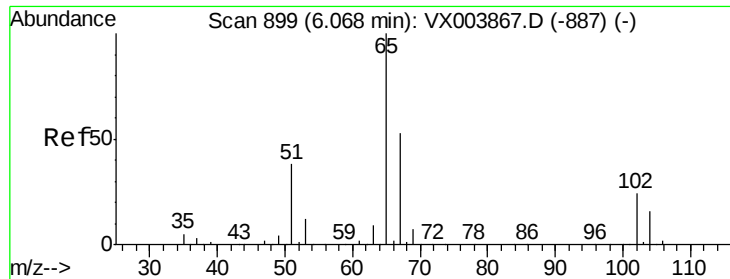
99 0.0 51.8 77.8#

61 48.1 34.4 51.6



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

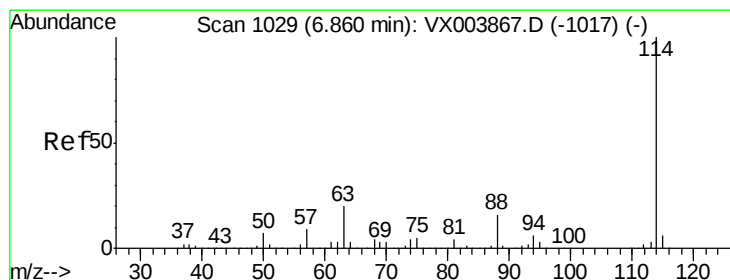
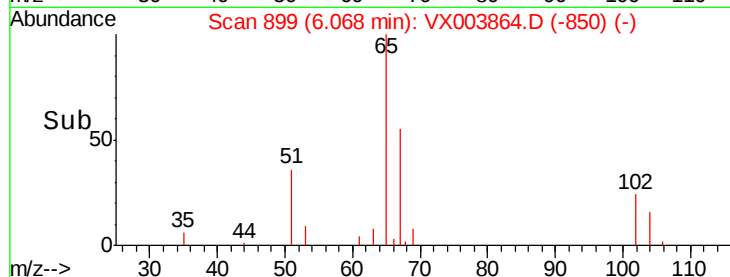
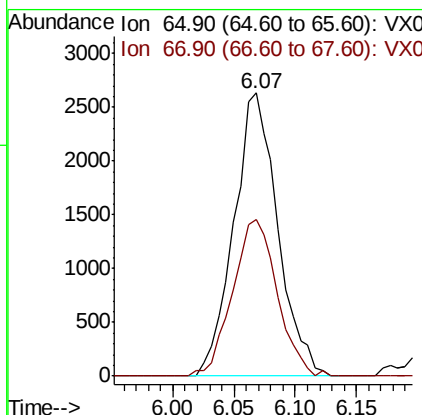
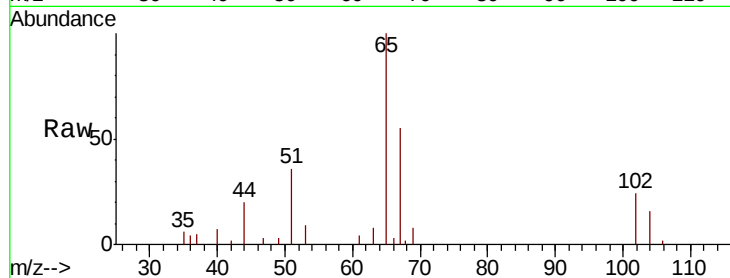




#33
 1,2-Dichloroethane-d4
 Concen: 1.323 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VX003864.D
 Acq: 06 Aug 2018 16:27

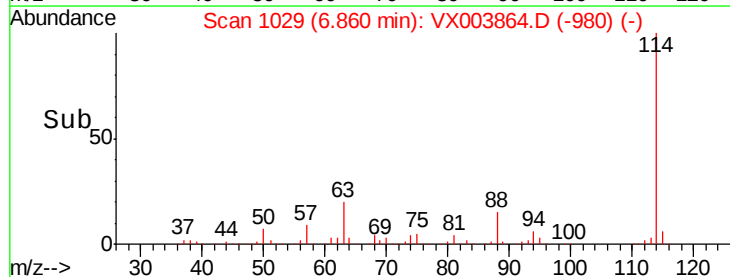
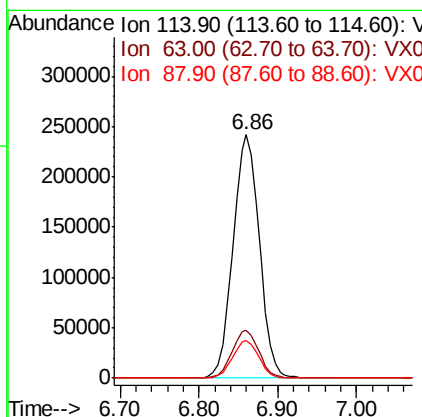
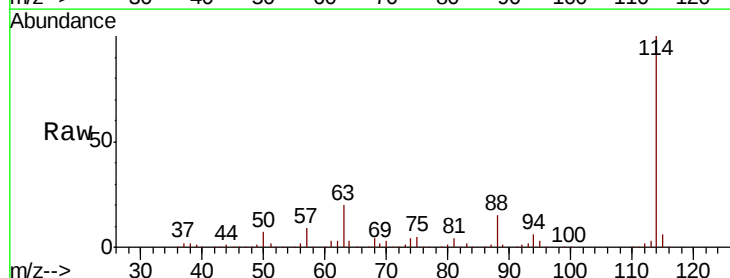
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

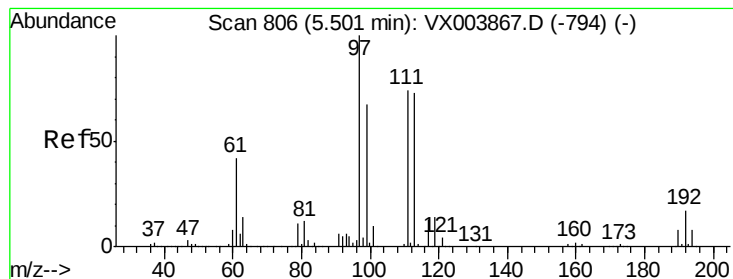
Tot Ion: 65 Resp: 6568
 Ion Ratio Lower Upper
 65 100
 67 56.1 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. 0.00 min
 Lab File: VX003864.D
 Acq: 06 Aug 2018 16:27

Tgt Ion: 114 Resp: 561422
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.0
 88 15.3 0.0 32.0





#35

Dibromofluoromethane

Concen: 1.102 ug/l

RT: 5.50 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX003864.D

Acq: 06 Aug 2018 16:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

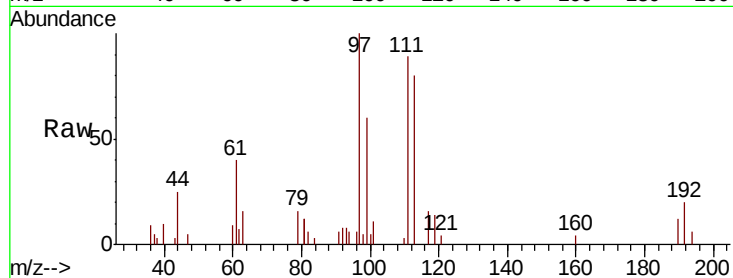
Tot Ion:113 Resp: 4805

Ion Ratio Lower Upper

113 100

111 106.5 82.0 123.0

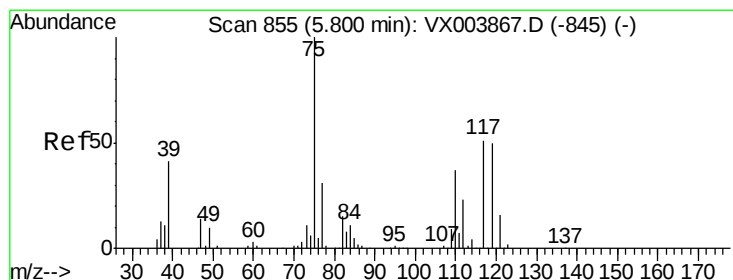
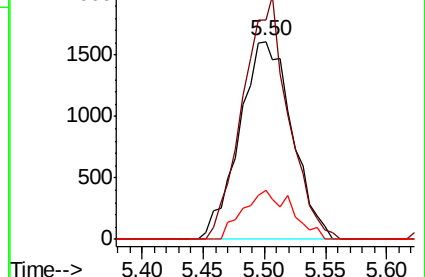
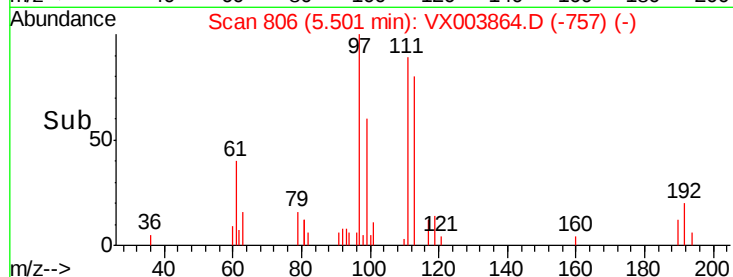
192 23.0 19.0 28.4



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 1.186 ug/l

RT: 5.80 min Scan# 855

Delta R.T. 0.00 min

Lab File: VX003864.D

Acq: 06 Aug 2018 16:27

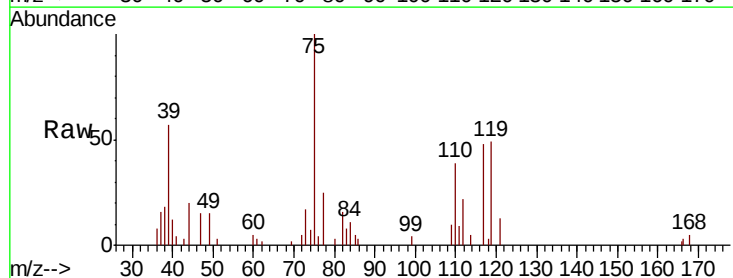
Tgt Ion: 75 Resp: 7211

Ion Ratio Lower Upper

75 100

110 37.7 18.2 54.6

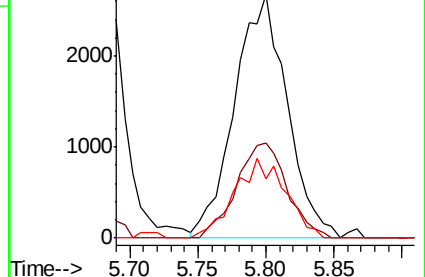
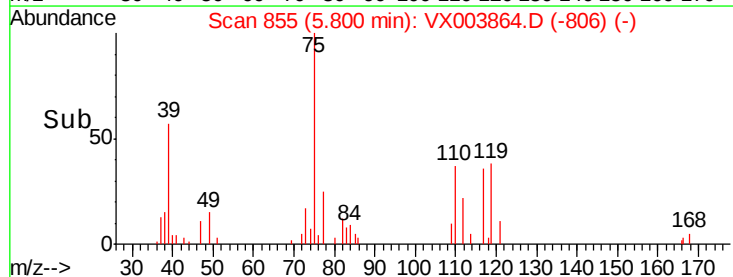
77 31.7 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

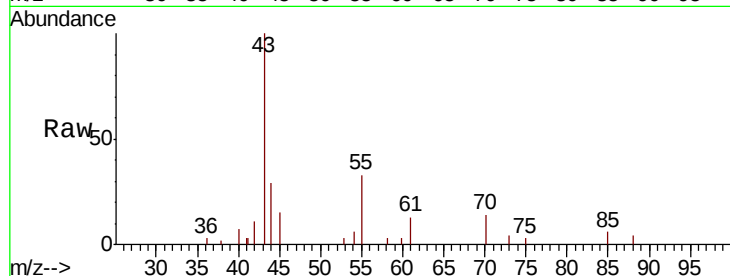




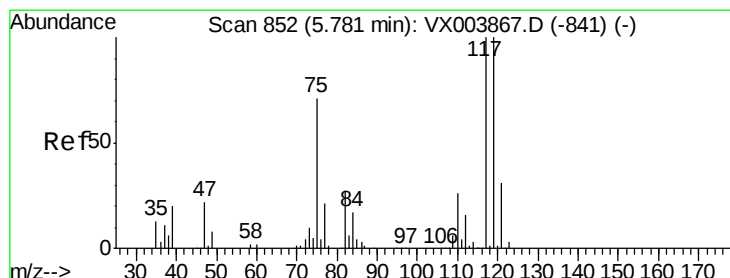
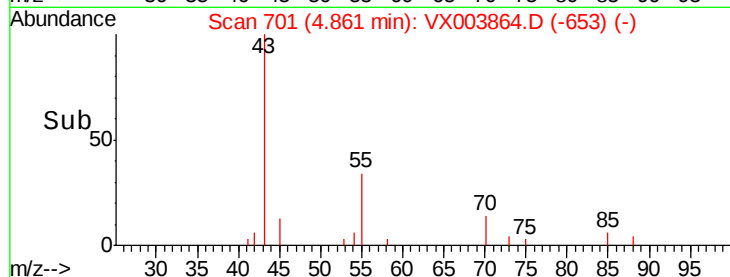
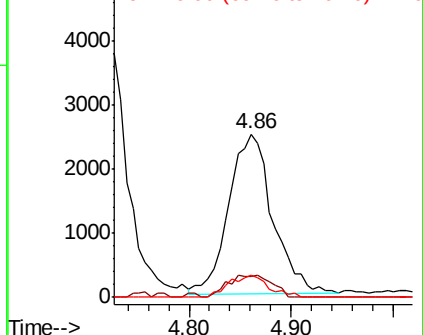
#37
Ethyl Acetate
Concen: 1.073 ug/l
RT: 4.86 min Scan# 701
Delta R.T. -0.01 min
Lab File: VX003864.D
Acq: 06 Aug 2018 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion: 43 Resp: 7429
Ion Ratio Lower Upper
43 100
61 14.1 11.5 17.3
70 12.4 9.0 13.4

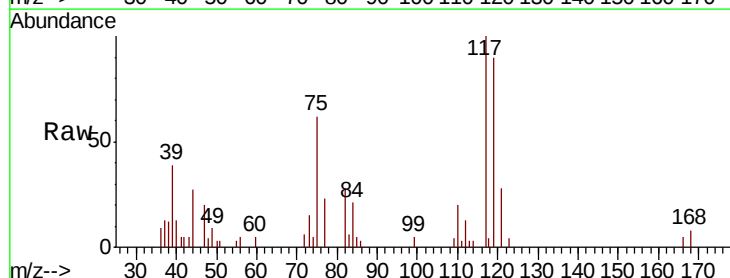


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

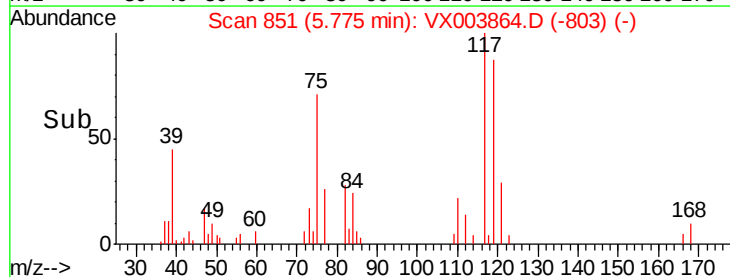
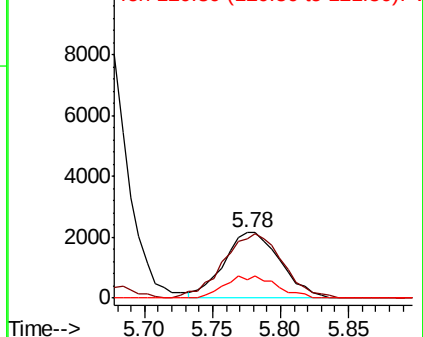


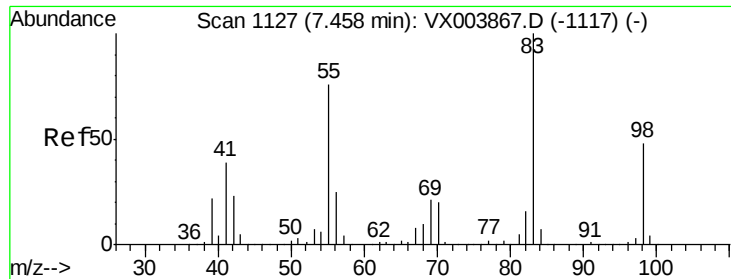
#38
Carbon Tetrachloride
Concen: 1.028 ug/l
RT: 5.78 min Scan# 851
Delta R.T. -0.01 min
Lab File: VX003864.D
Acq: 06 Aug 2018 16:27

Tgt Ion: 117 Resp: 6214
Ion Ratio Lower Upper
117 100
119 90.4 79.5 119.3
121 28.2 25.0 37.4



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

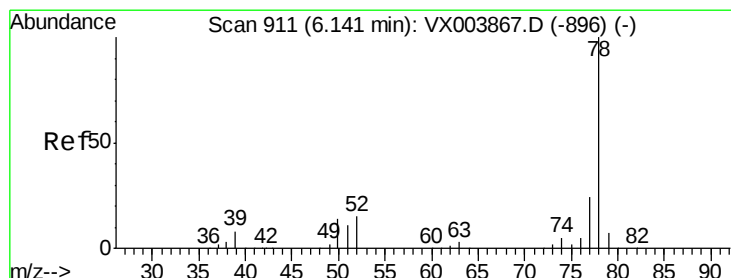
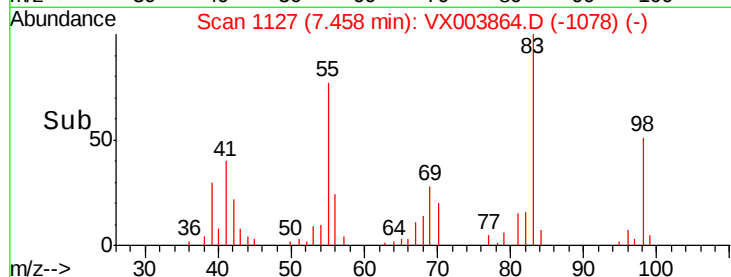
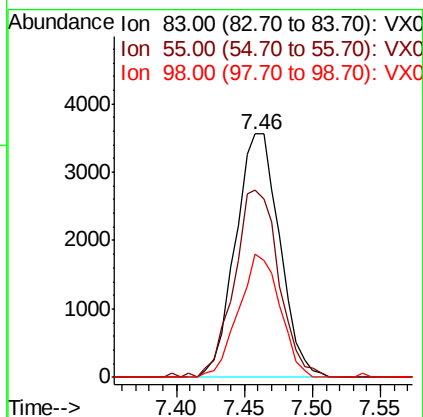
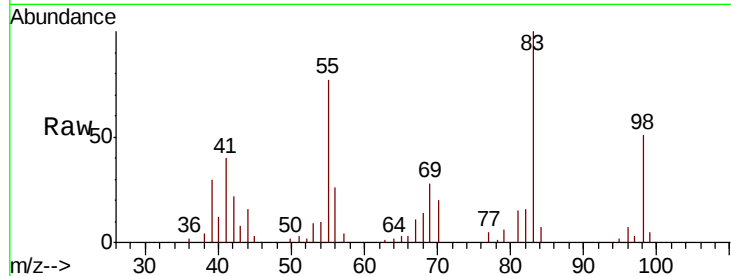




#39
Methvlcvclohexane
Concen: 1.162 ug/l
RT: 7.46 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VX003864.D
Acq: 06 Aug 2018 16:27

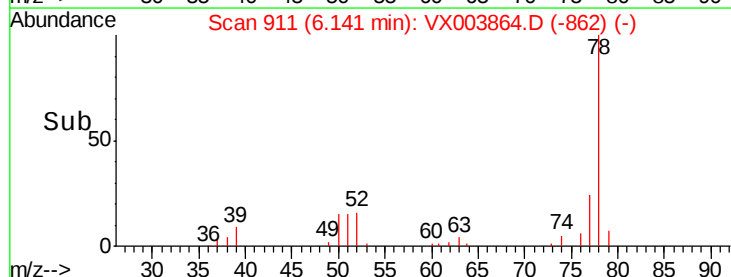
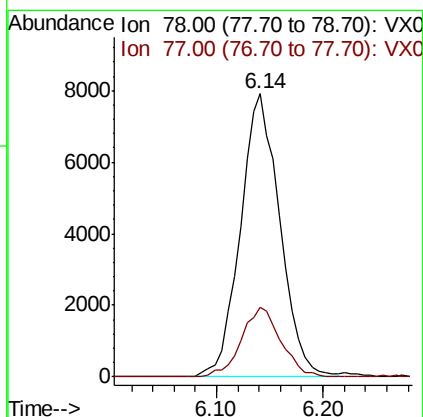
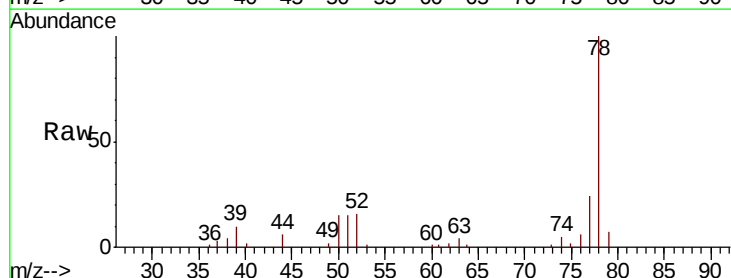
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

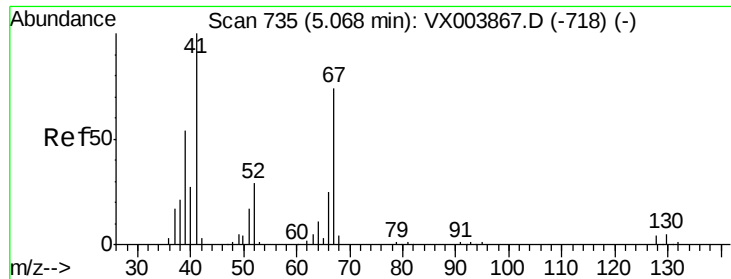
Tot Ion: 83 Resp: 8084
Ion Ratio Lower Upper
83 100
55 77.0 61.0 91.6
98 50.6 38.6 57.8



#40
Benzene
Concen: 1.106 ug/l
RT: 6.14 min Scan# 911
Delta R.T. 0.00 min
Lab File: VX003864.D
Acq: 06 Aug 2018 16:27

Tgt Ion: 78 Resp: 20594
Ion Ratio Lower Upper
78 100
77 24.4 19.0 28.4

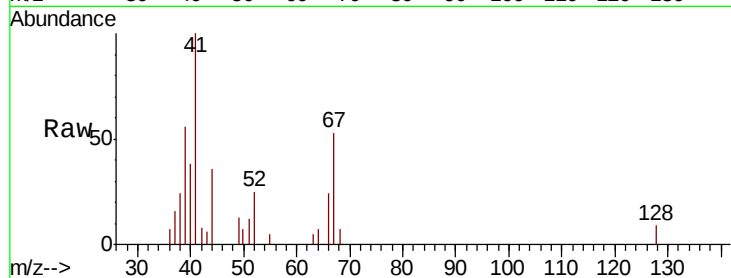




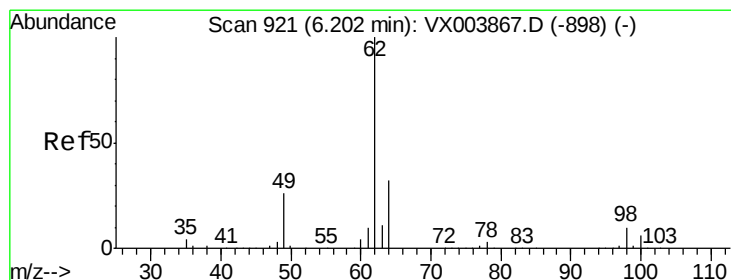
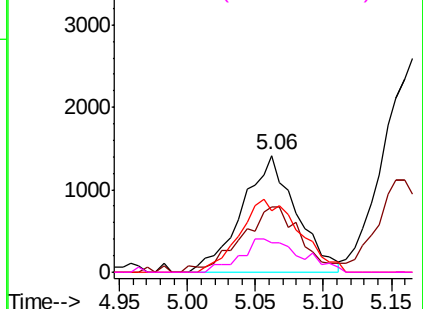
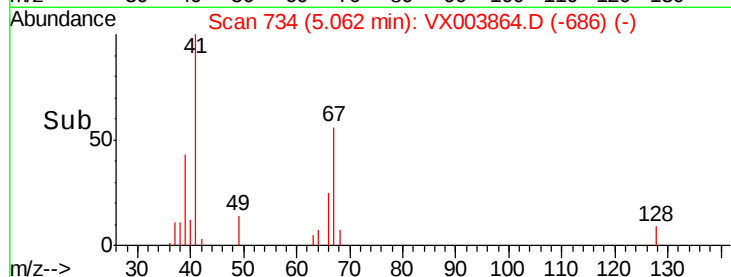
#41
Methacrylonitrile
Concen: 1.058 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.01 min
Lab File: VX003864.D
Acq: 06 Aug 2018 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion:	41	Resp:	3952
Ion	Ratio	Lower	Upper
41	100		
39	60.3	42.7	64.1
67	68.7	58.9	88.3
52	31.4	22.6	33.8

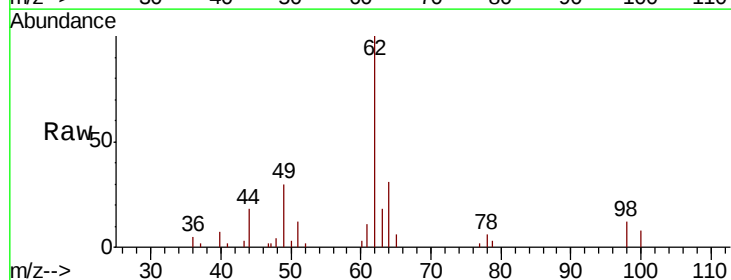


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

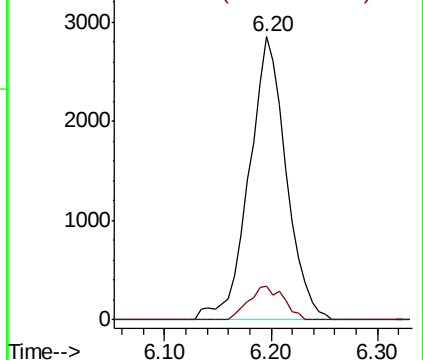
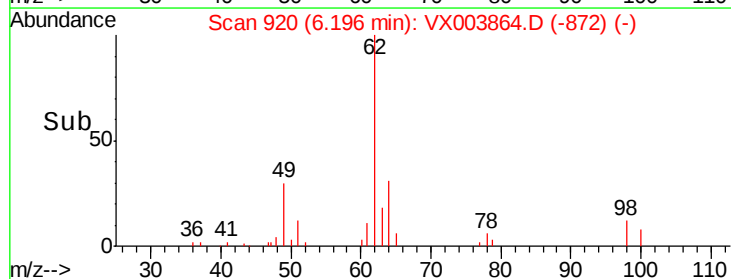


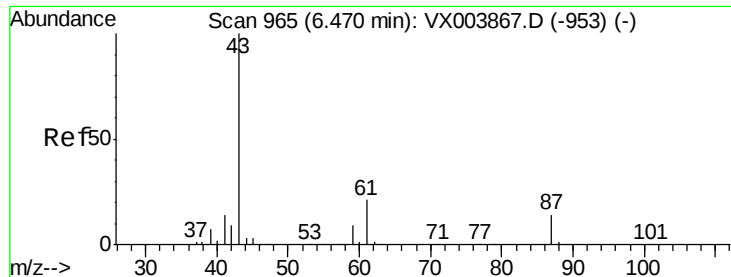
#42
1,2-Dichloroethane
Concen: 1.119 ug/l
RT: 6.20 min Scan# 920
Delta R.T. -0.01 min
Lab File: VX003864.D
Acq: 06 Aug 2018 16:27

Tgt Ion:	62	Resp:	6971
Ion	Ratio	Lower	Upper
62	100		
98	11.3	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: 0.977 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.01 min

Lab File: VX003864.D

Acq: 06 Aug 2018 16:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

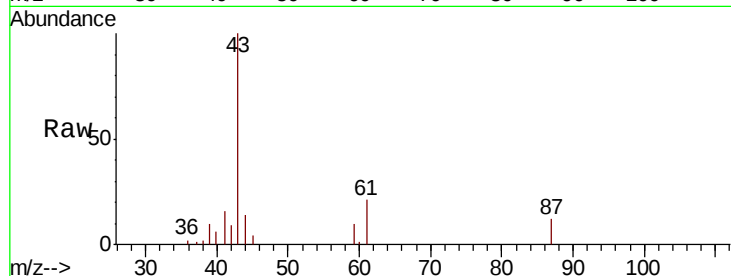
Tot Ion: 43 Resp: 10144

Ion Ratio Lower Upper

43 100

61 22.2 16.9 25.3

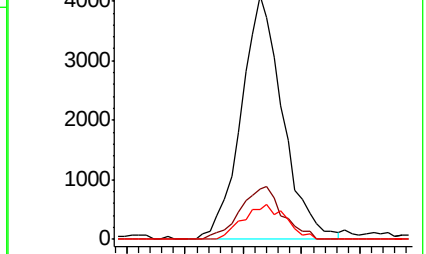
87 14.5 11.3 16.9



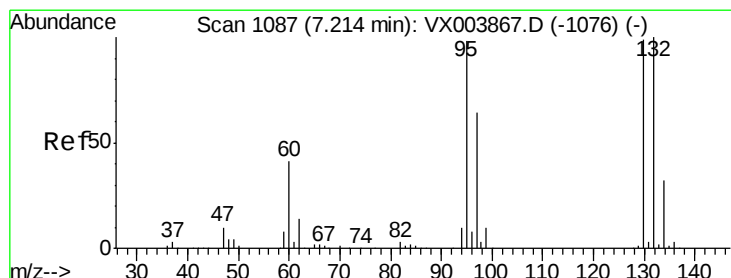
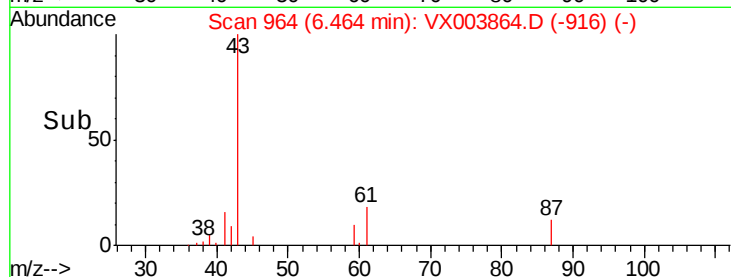
Abundance Ion 43.00 (42.70 to 43.70): VX003867.D (-953) (-)

Ion 61.00 (60.70 to 61.70): VX003867.D (-953) (-)

Ion 87.00 (86.70 to 87.70): VX003867.D (-953) (-)



Time-->



#44

Trichloroethene

Concen: 1.182 ug/l

RT: 7.21 min Scan# 1086

Delta R.T. -0.01 min

Lab File: VX003864.D

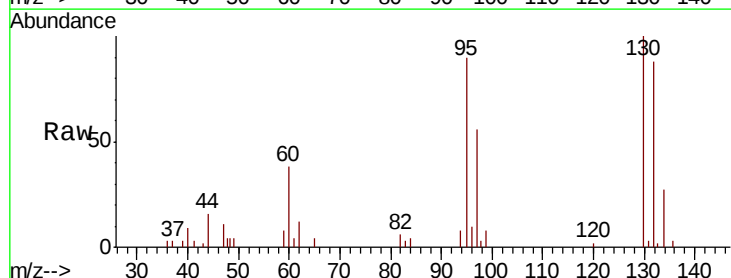
Acq: 06 Aug 2018 16:27

Tgt Ion: 130 Resp: 5941

Ion Ratio Lower Upper

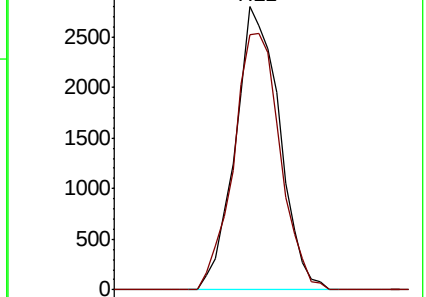
130 100

95 90.2 0.0 199.4

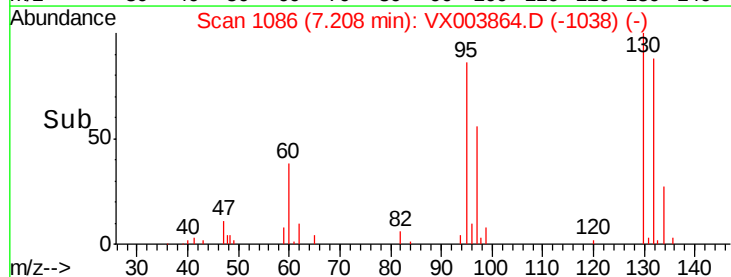


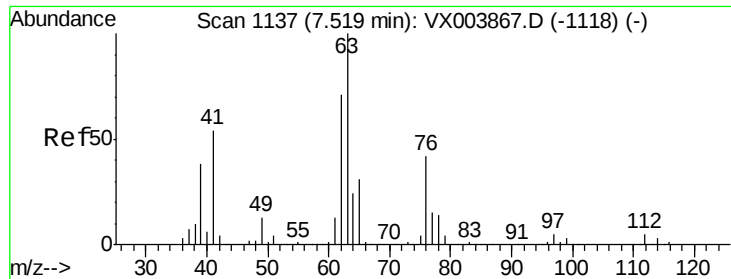
Abundance Ion 129.80 (129.50 to 130.50): VX003867.D (-1076) (-)

Ion 94.90 (94.60 to 95.60): VX003867.D (-1076) (-)



Time-->





#45

1,2-Dichloropropane

Concen: 1.110 ug/l

RT: 7.51 min Scan# 1136

Delta R.T. -0.01 min

Lab File: VX003864.D

Acq: 06 Aug 2018 16:27

Instrument :

MSVOA_X

ClientSampleId :

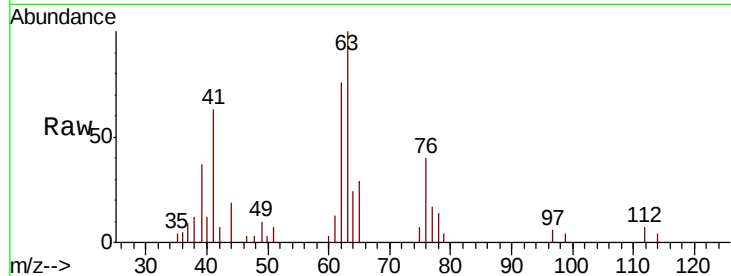
VSTDIC001

Tot Ion: 63 Resp: 5353

Ion Ratio Lower Upper

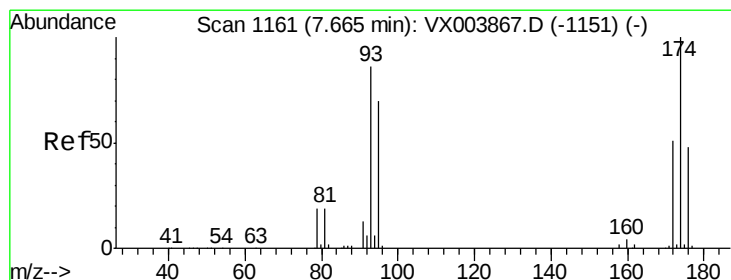
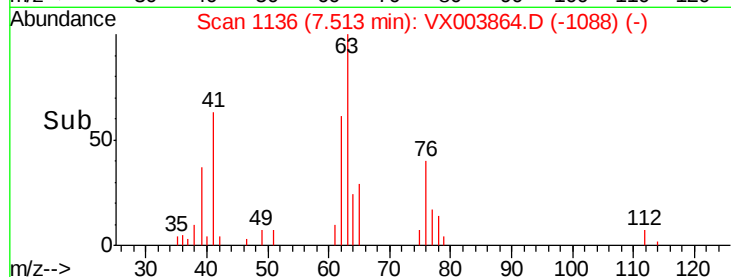
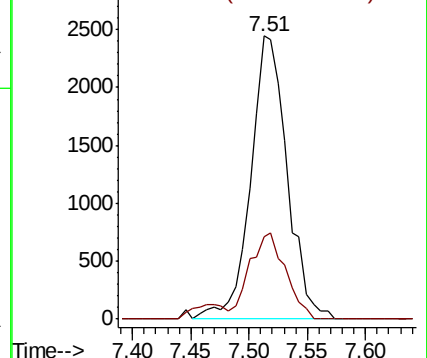
63 100

65 29.2 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 1.153 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VX003864.D

Acq: 06 Aug 2018 16:27

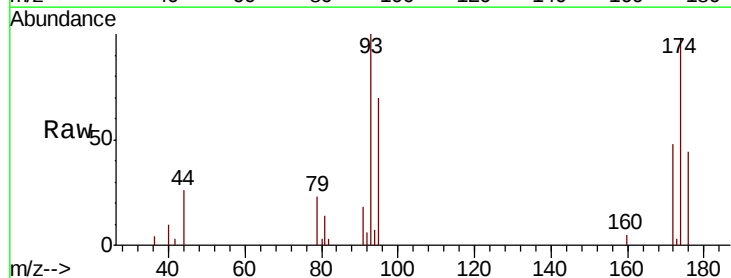
Tgt Ion: 93 Resp: 3571

Ion Ratio Lower Upper

93 100

95 79.4 66.4 99.6

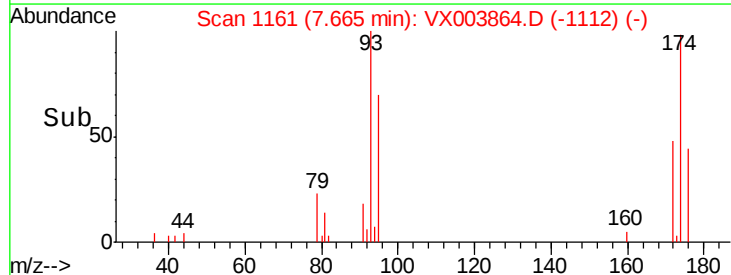
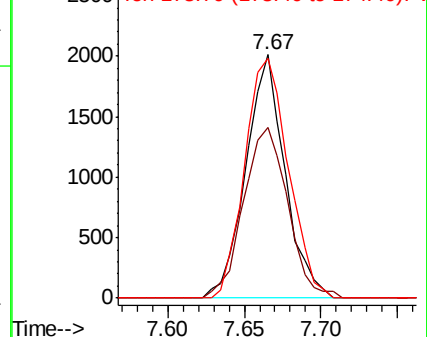
174 110.1 94.3 141.5

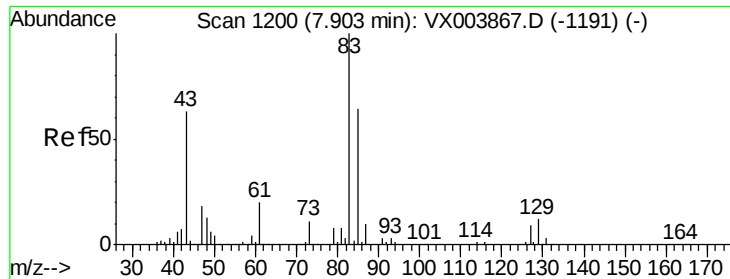


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 1.021 ug/l

RT: 7.90 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VX003864.D

Acq: 06 Aug 2018 16:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

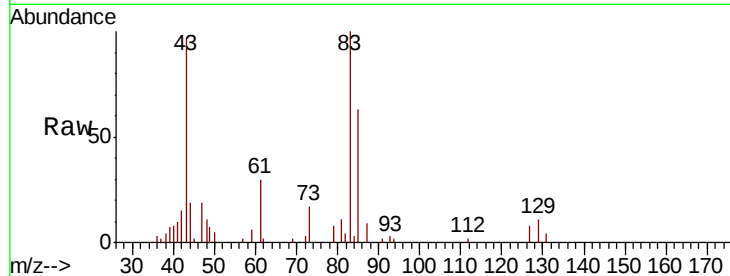
Tot Ion: 83 Resp: 5973

Ion Ratio Lower Upper

83 100

85 62.9 51.2 76.8

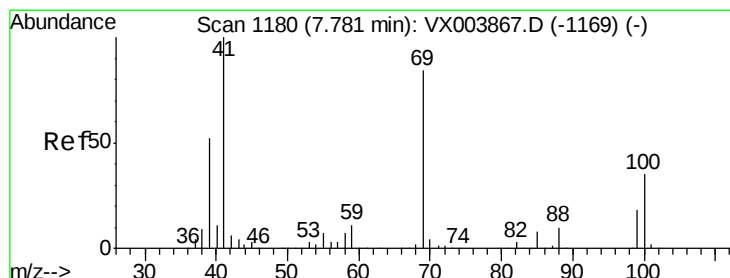
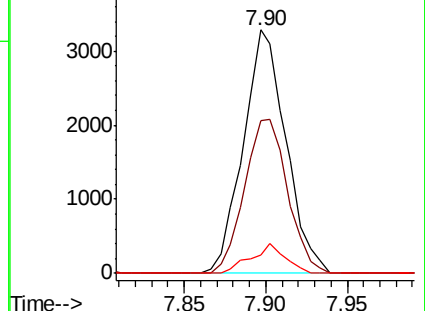
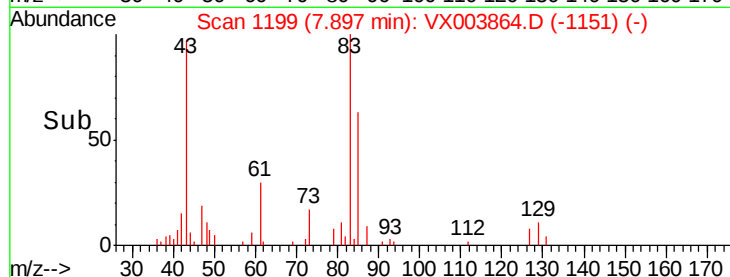
127 7.5 7.2 10.8



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: 0.928 ug/l

RT: 7.77 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VX003864.D

Acq: 06 Aug 2018 16:27

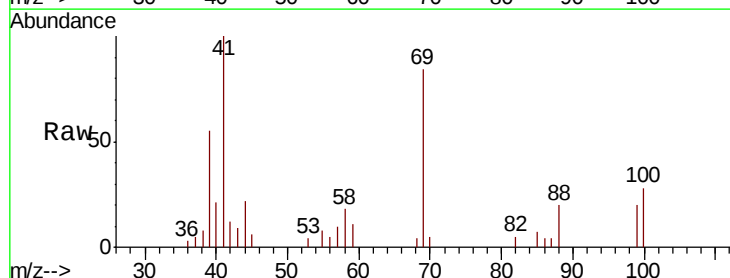
Tgt Ion: 41 Resp: 4868

Ion Ratio Lower Upper

41 100

69 88.5 68.8 103.2

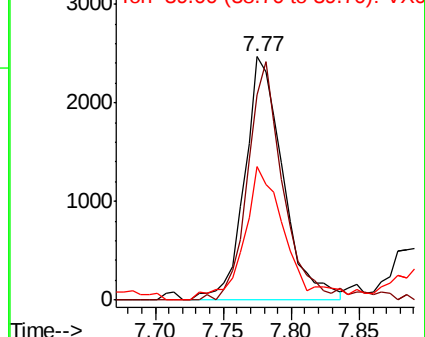
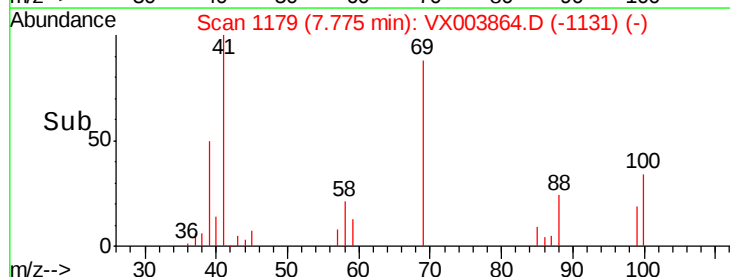
39 55.3 42.3 63.5

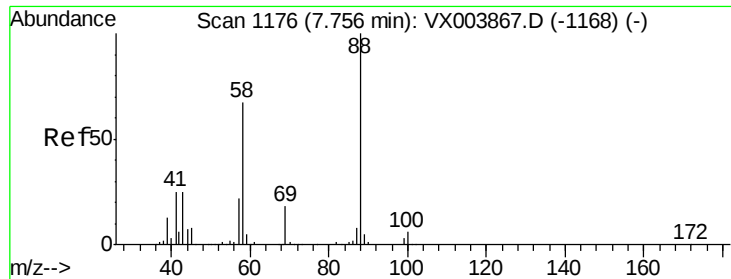


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

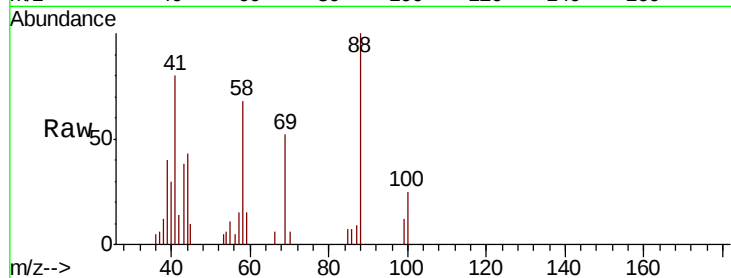




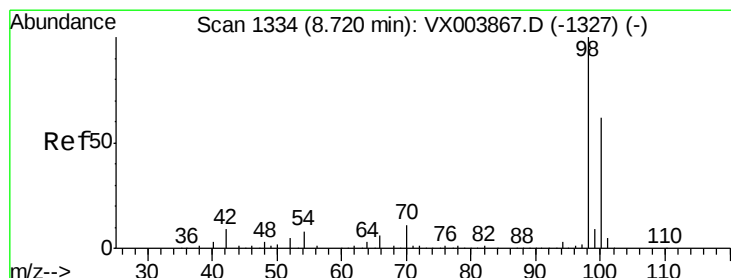
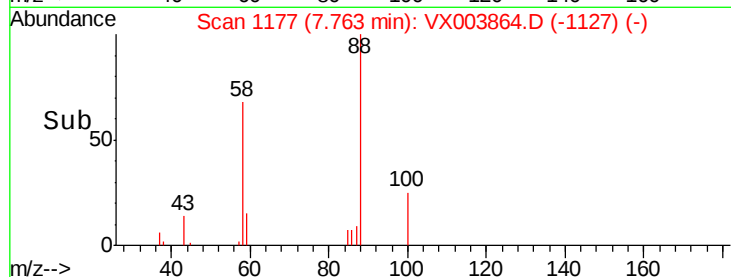
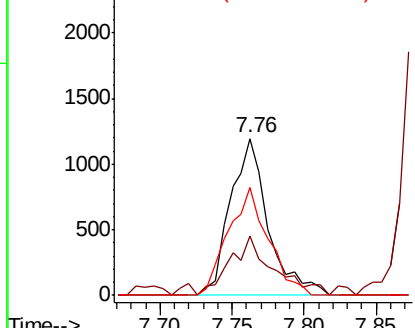
#49
 1,4-Dioxane
 Concen: 17.706 ug/l
 RT: 7.76 min Scan# 1177
 Delta R.T. 0.01 min
 Lab File: VX003864.D
 Acq: 06 Aug 2018 16:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion: 88 Resp: 2199
 Ion Ratio Lower Upper
 88 100
 43 43.5 23.8 35.8#
 58 72.4 55.4 83.0

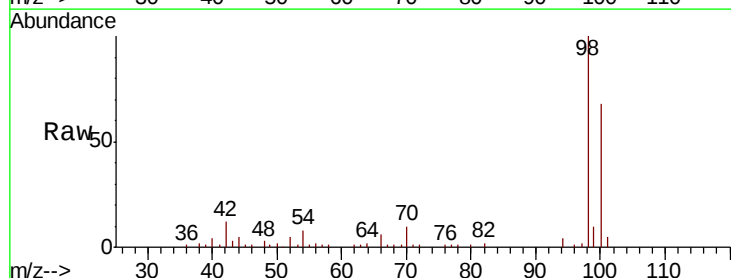


Abundance Ion 88.00 (87.70 to 88.70): VX0
 Ion 43.00 (42.70 to 43.70): VX0
 Ion 58.00 (57.70 to 58.70): VX0

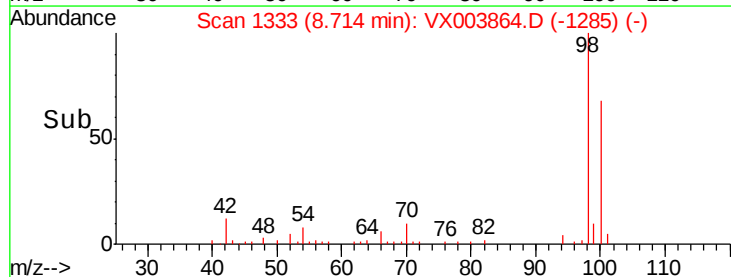
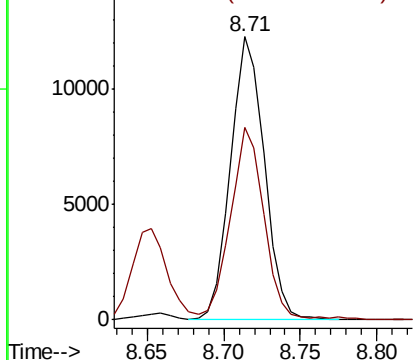


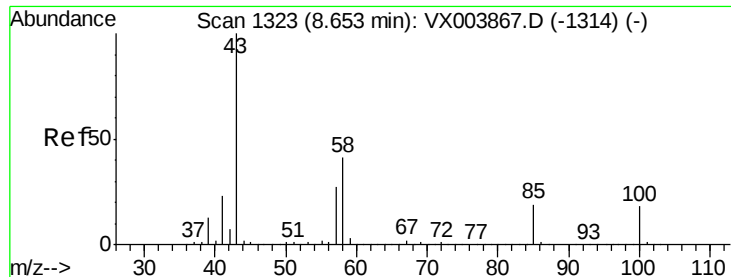
#50
 Toluene-d8
 Concen: 1.115 ug/l
 RT: 8.71 min Scan# 1333
 Delta R.T. -0.01 min
 Lab File: VX003864.D
 Acq: 06 Aug 2018 16:27

Tgt Ion: 98 Resp: 18771
 Ion Ratio Lower Upper
 98 100
 100 65.8 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VX0
 Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 4.519 ug/l

RT: 8.65 min Scan# 1322

Delta R.T. -0.01 min

Lab File: VX003864.D

Acq: 06 Aug 2018 16:27

Instrument :

MSVOA_X

ClientSampled :

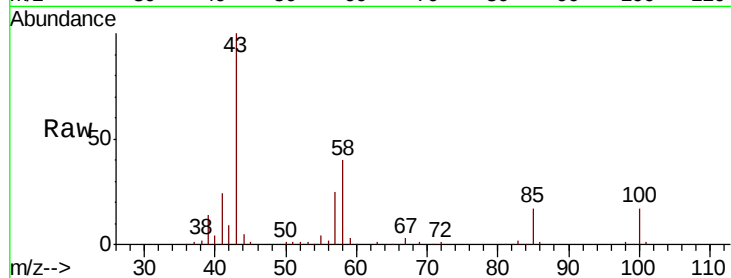
VSTDIC001

Tot Ion: 43 Resp: 39099

Ion Ratio Lower Upper

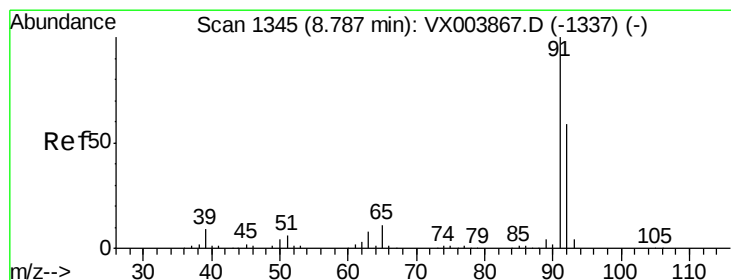
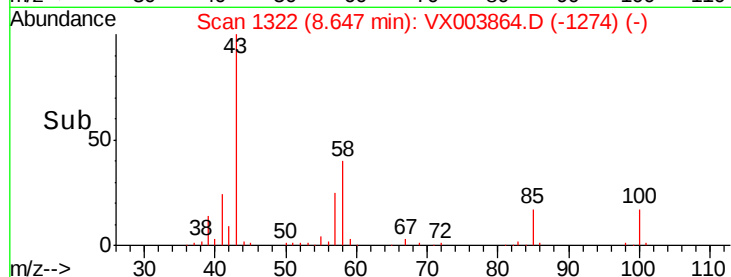
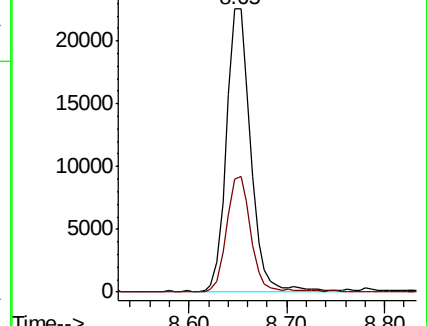
43 100

58 40.7 33.0 49.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 1.037 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003864.D

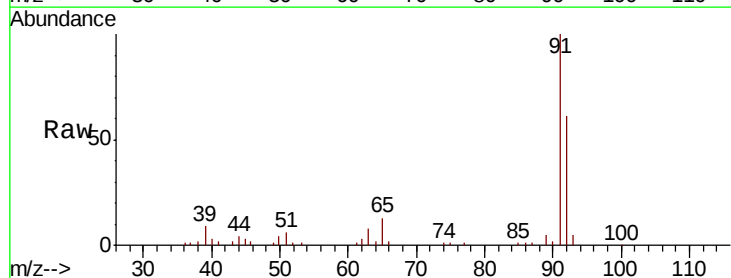
Acq: 06 Aug 2018 16:27

Tgt Ion: 92 Resp: 11941

Ion Ratio Lower Upper

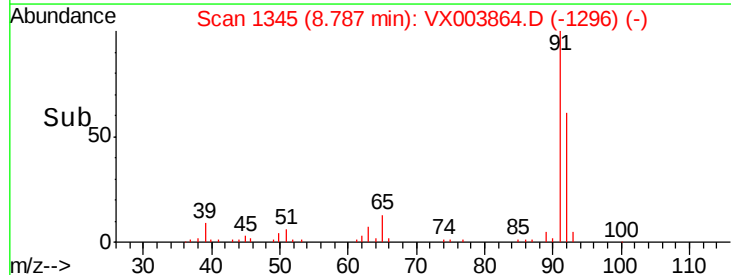
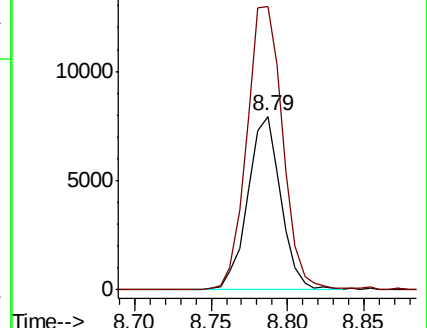
92 100

91 178.1 136.1 204.1



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

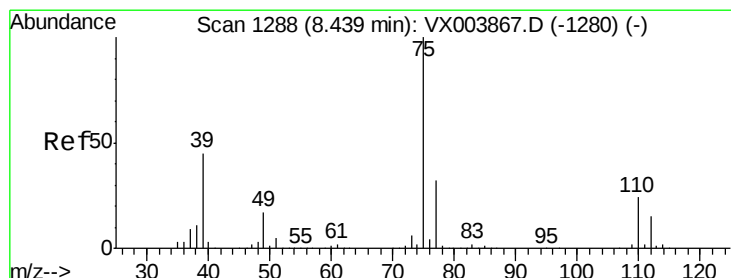
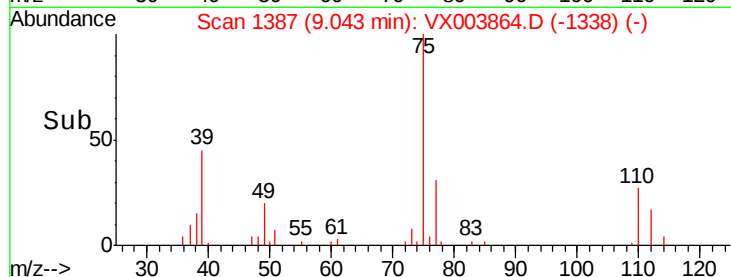
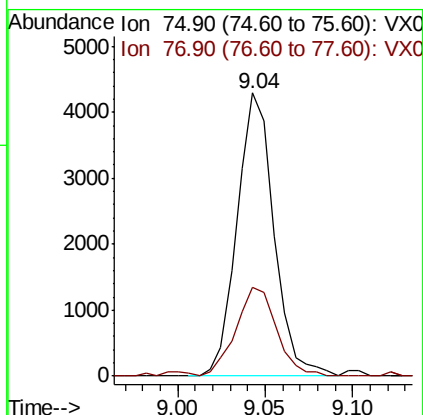
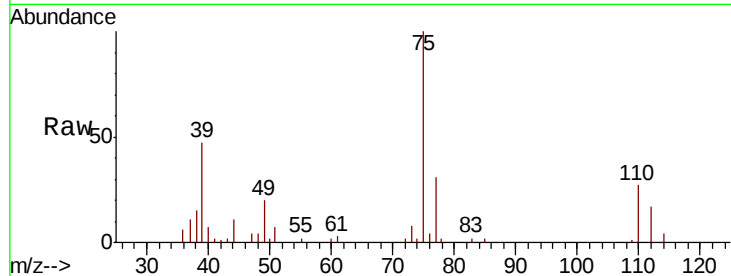




#53
 t-1,3-Dichloropropene
 Concen: 0.985 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. 0.00 min
 Lab File: VX003864.D
 Acq: 06 Aug 2018 16:27

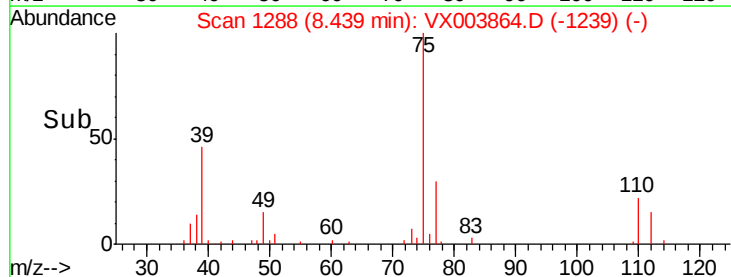
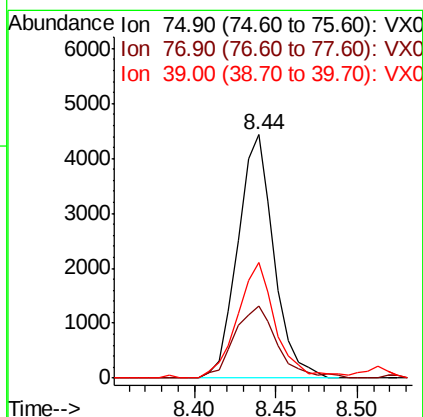
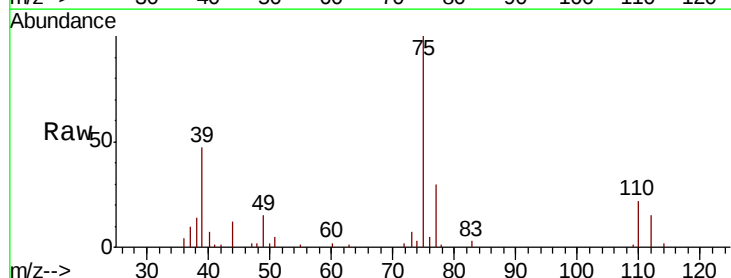
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

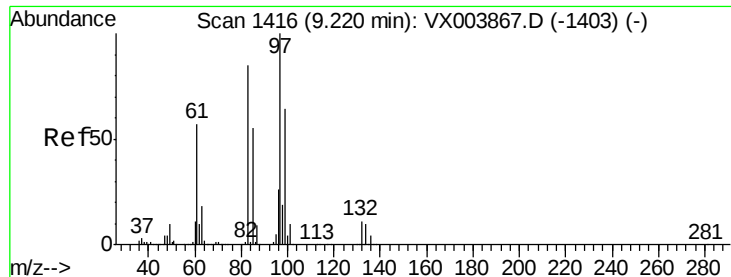
Tot Ion: 75 Resp: 6304
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.1 37.7



#54
 cis-1,3-Dichloropropene
 Concen: 0.975 ug/l
 RT: 8.44 min Scan# 1288
 Delta R.T. 0.00 min
 Lab File: VX003864.D
 Acq: 06 Aug 2018 16:27

Tgt Ion: 75 Resp: 6810
 Ion Ratio Lower Upper
 75 100
 77 29.7 25.3 37.9
 39 47.5 36.2 54.2

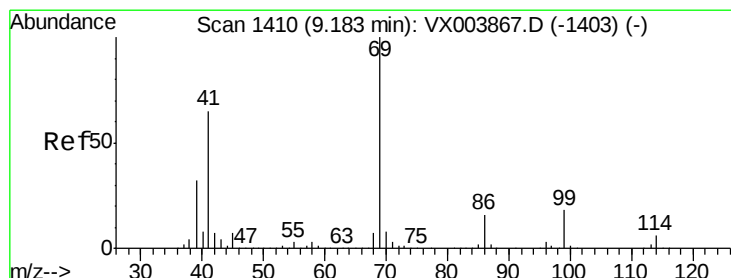
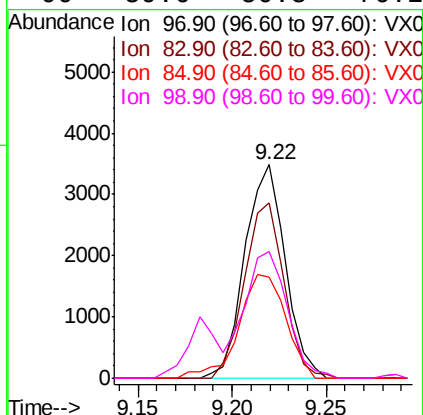
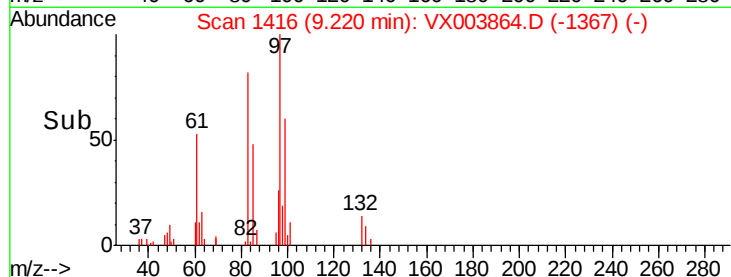
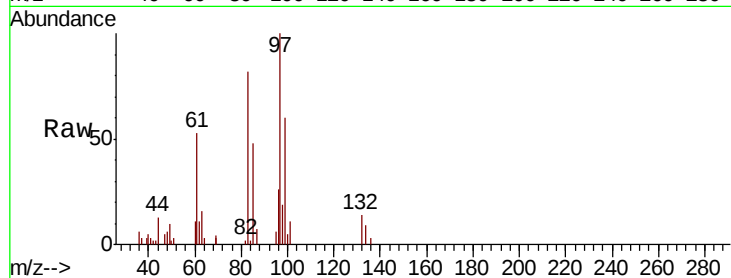




#55
 1,1,2-Trichloroethane
 Concen: 1.070 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003864.D
 Acq: 06 Aug 2018 16:27

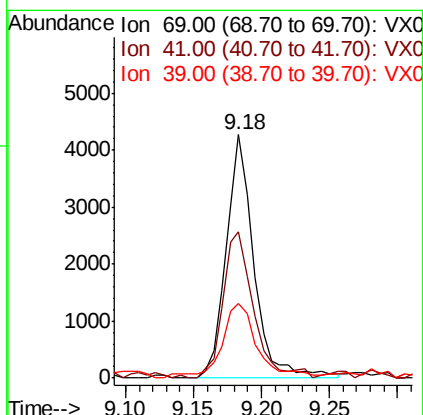
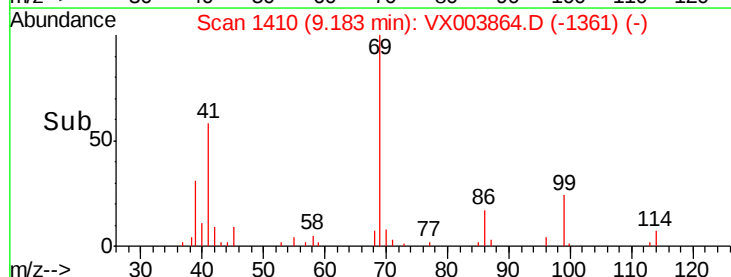
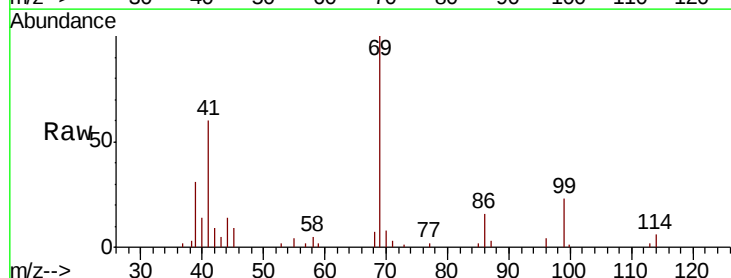
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

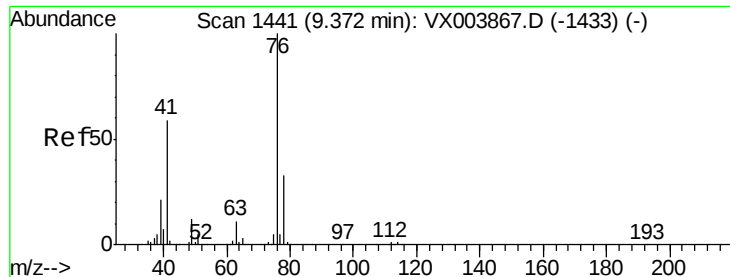
Tot Ion:	97	Resp:	5172
Ion	Ratio	Lower	Upper
97	100		
83	82.0	67.8	101.6
85	47.6	44.2	66.2
99	59.6	50.8	76.2



#56
 Ethyl methacrylate
 Concen: 0.891 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX003864.D
 Acq: 06 Aug 2018 16:27

Tgt Ion:	69	Resp:	6037
Ion	Ratio	Lower	Upper
69	100		
41	65.8	50.6	76.0
39	39.7	25.8	38.6#





#57

1,3-Dichloropropane

Concen: 1.089 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. 0.00 min

Lab File: VX003864.D

Acq: 06 Aug 2018 16:27

Instrument :

MSVOA_X

ClientSampleId :

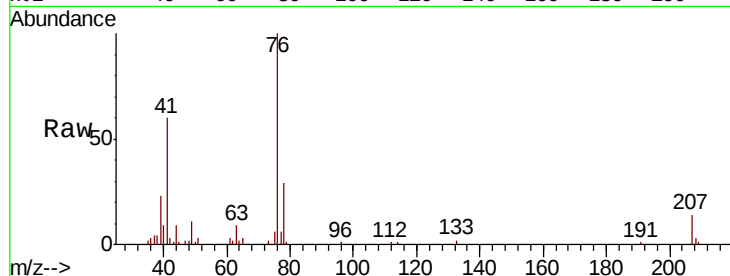
VSTDIC001

Tot Ion: 76 Resp: 8545

Ion Ratio Lower Upper

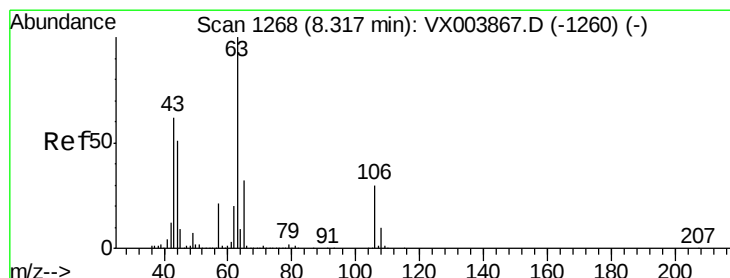
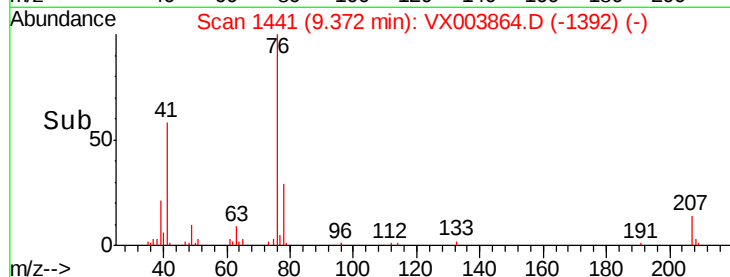
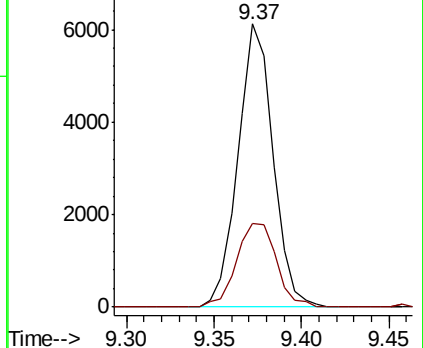
76 100

78 33.6 25.9 38.9



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 4.143 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VX003864.D

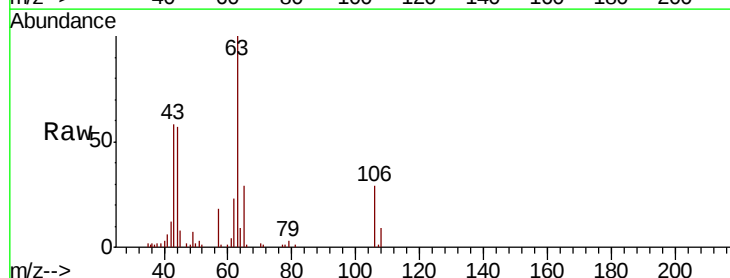
Acq: 06 Aug 2018 16:27

Tgt Ion: 63 Resp: 14338

Ion Ratio Lower Upper

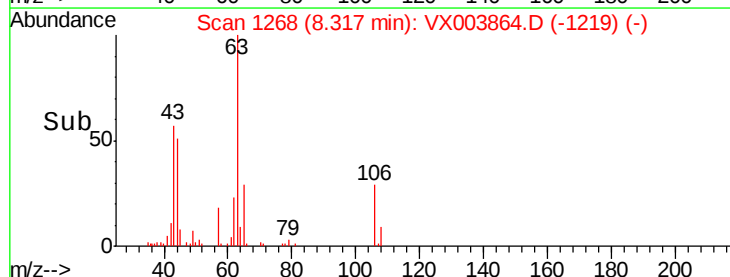
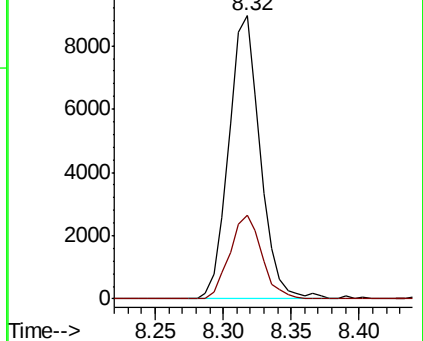
63 100

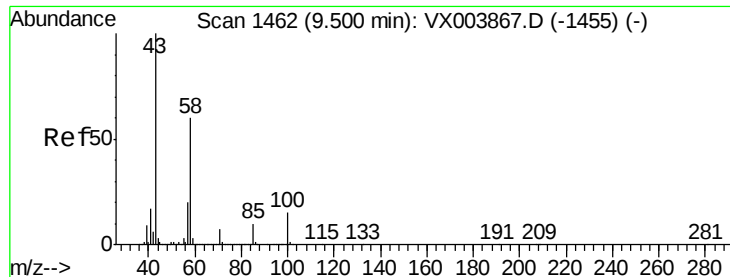
106 30.1 23.8 35.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

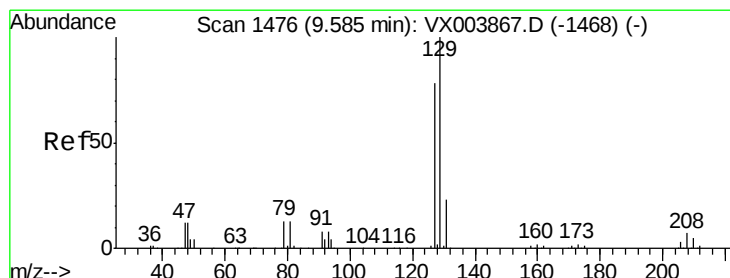
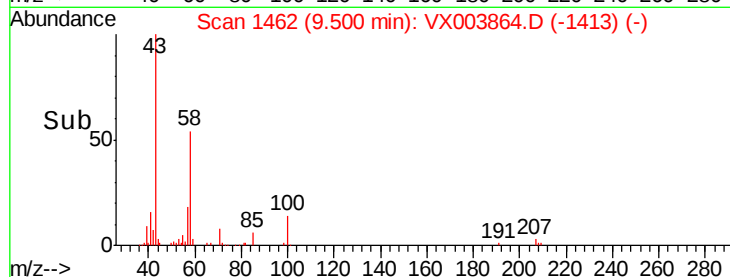
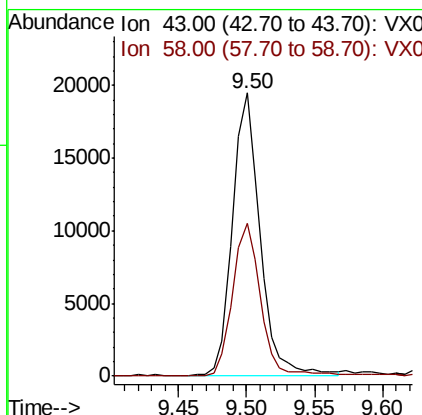
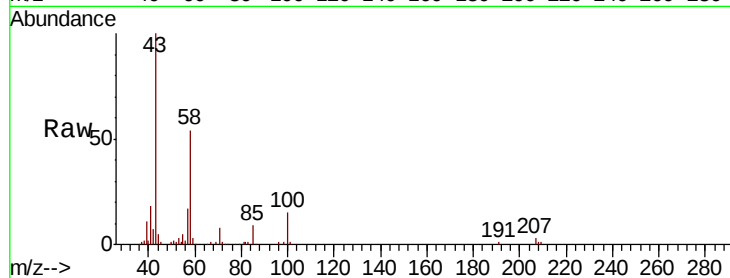




#59
2-Hexanone
Concen: 4.201 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003864.D
Acq: 06 Aug 2018 16:27

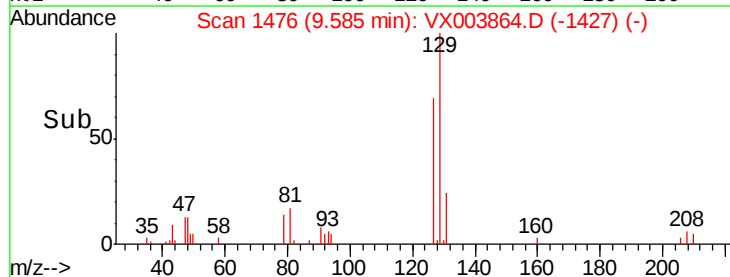
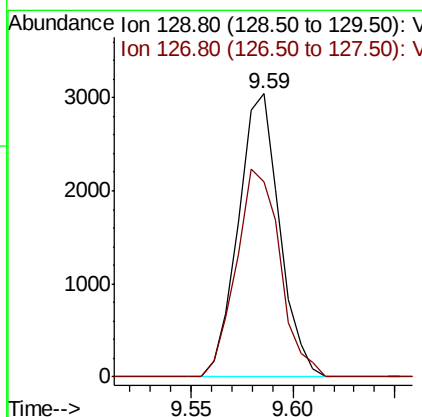
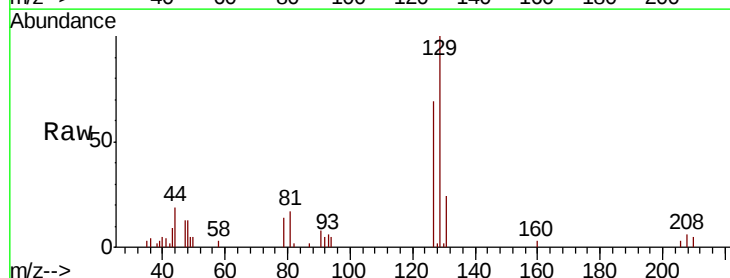
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

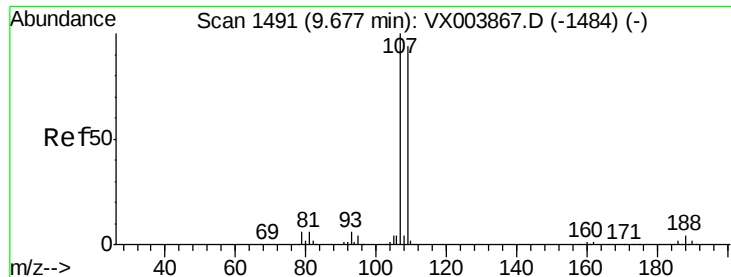
Tot Ion: 43 Resp: 27722
Ion Ratio Lower Upper
43 100
58 54.7 29.0 87.0



#60
Dibromochloromethane
Concen: 0.910 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003864.D
Acq: 06 Aug 2018 16:27

Tgt Ion: 129 Resp: 4275
Ion Ratio Lower Upper
129 100
127 78.1 38.8 116.3





#61

1,2-Dibromoethane

Concen: 1.025 ug/l

RT: 9.67 min Scan# 1490

Delta R.T. -0.01 min

Lab File: VX003864.D

Acq: 06 Aug 2018 16:27

Instrument :

MSVOA_X

ClientSampleId :

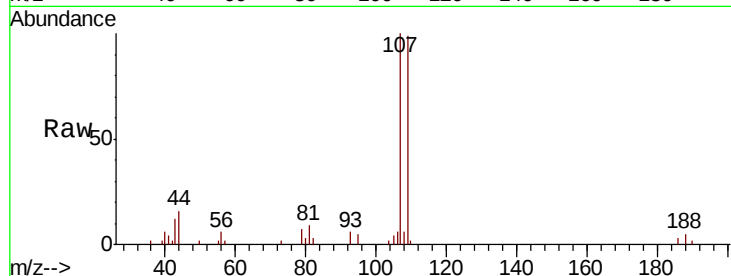
VSTDIC001

Tot Ion:107 Resp: 5046

Ion Ratio Lower Upper

107 100

109 92.4 75.8 113.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

4000

3000

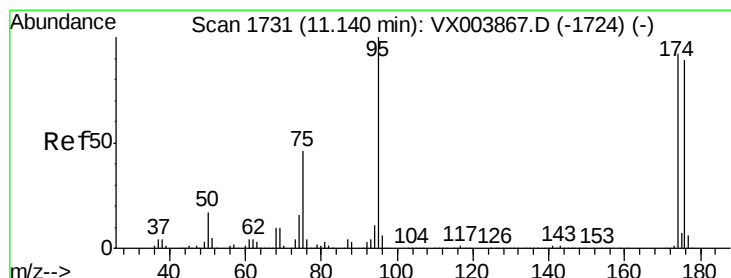
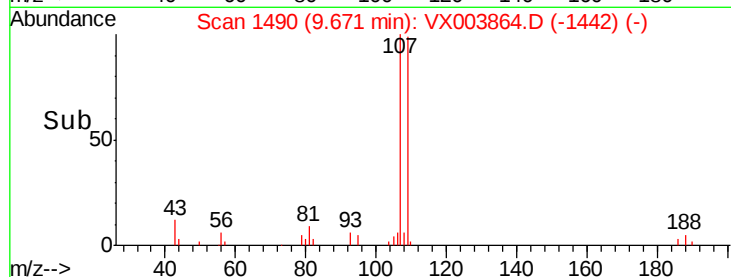
2000

1000

0

9.65 9.70

Time-->



#62

4-Bromofluorobenzene

Concen: 0.915 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003864.D

Acq: 06 Aug 2018 16:27

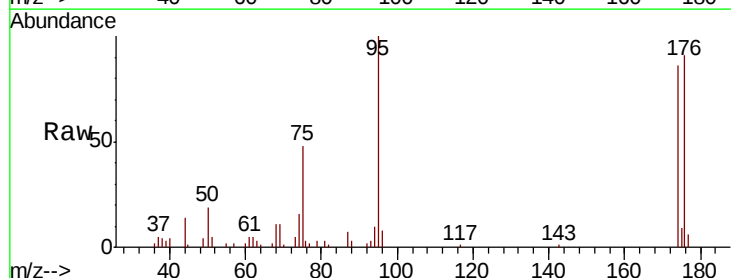
Tgt Ion: 95 Resp: 5380

Ion Ratio Lower Upper

95 100

174 88.2 0.0 182.8

176 87.8 0.0 179.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

6000

5000

4000

3000

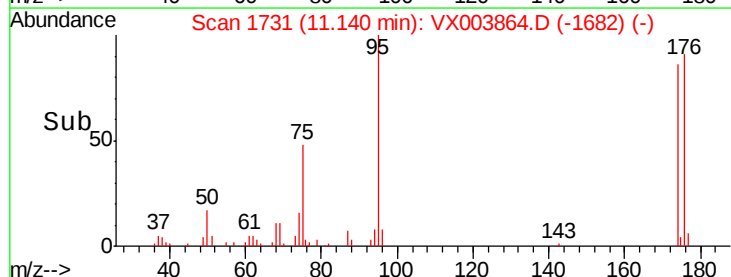
2000

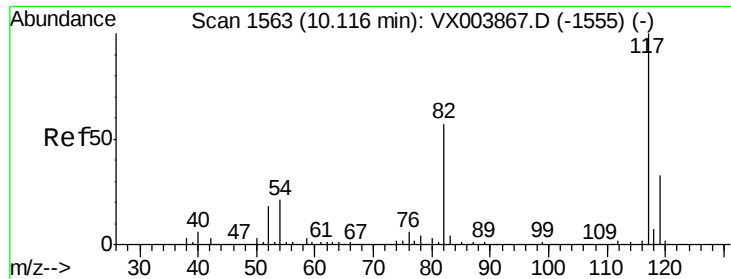
1000

0

11.10 11.15 11.20

Time-->

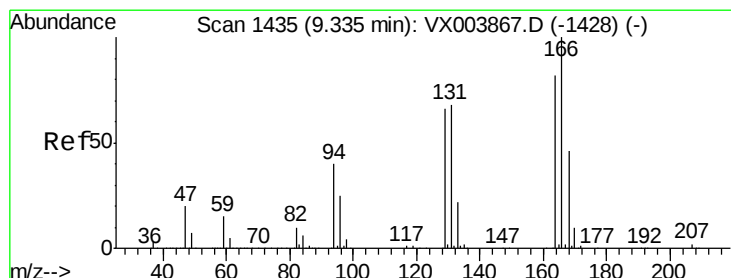
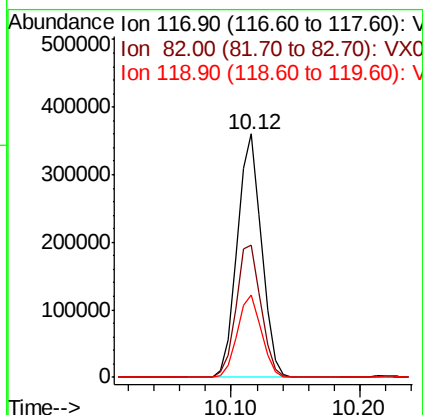
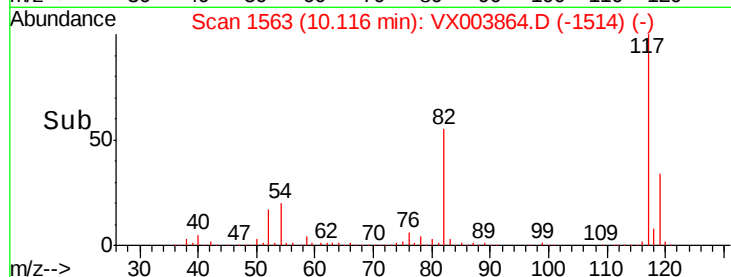
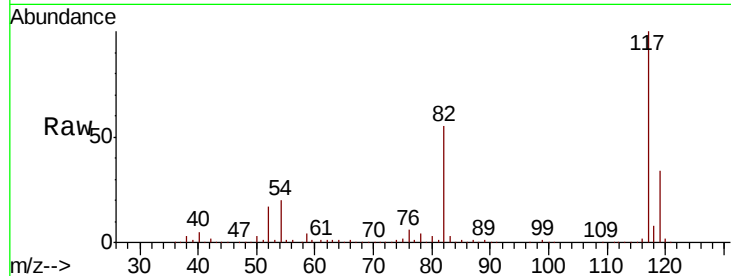




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003864.D
Acq: 06 Aug 2018 16:27

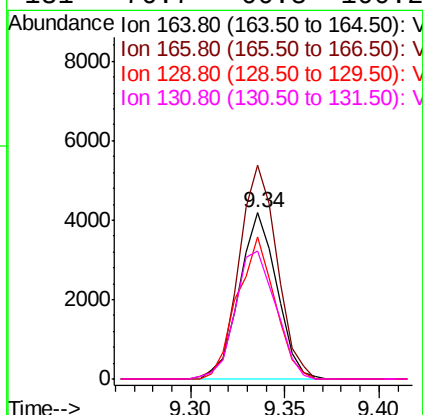
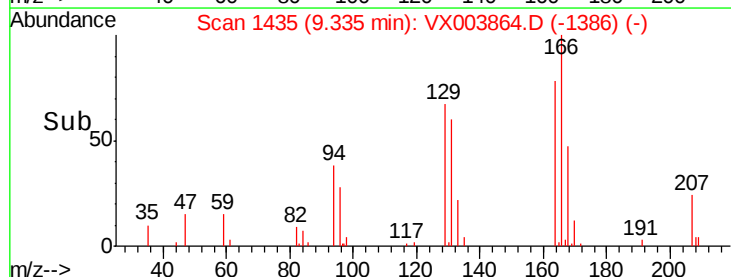
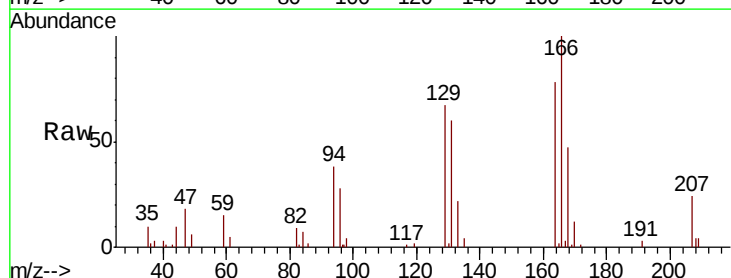
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

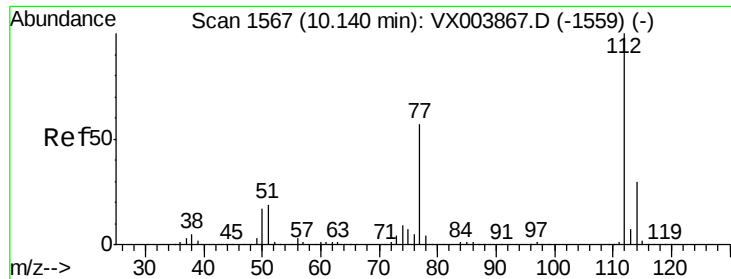
Tot Ion:117 Resp: 471565
Ion Ratio Lower Upper
117 100
82 54.6 45.4 68.0
119 33.8 26.6 40.0



#64
Tetrachloroethene
Concen: 1.326 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VX003864.D
Acq: 06 Aug 2018 16:27

Tgt Ion:164 Resp: 5791
Ion Ratio Lower Upper
164 100
166 128.5 98.0 147.0
129 85.9 64.3 96.5
131 76.7 66.8 100.2





#65

Chlorobenzene

Concen: 1.215 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VX003864.D

Acq: 06 Aug 2018 16:27

Instrument :

MSVOA_X

ClientSampleId :

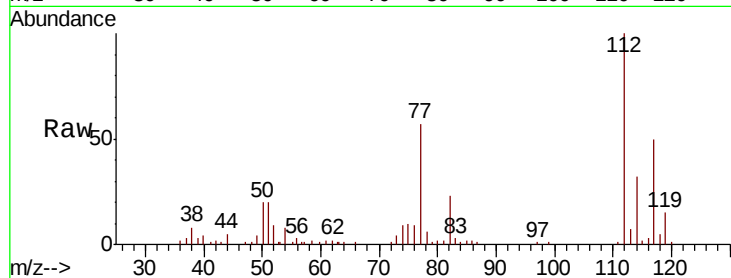
VSTDIC001

Tot Ion:112 Resp: 14280

Ion Ratio Lower Upper

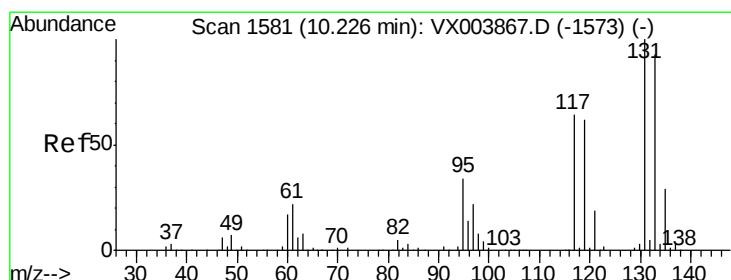
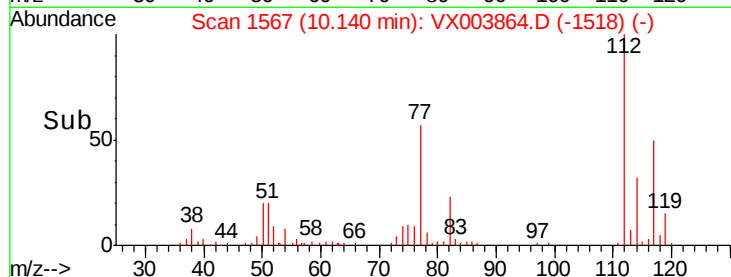
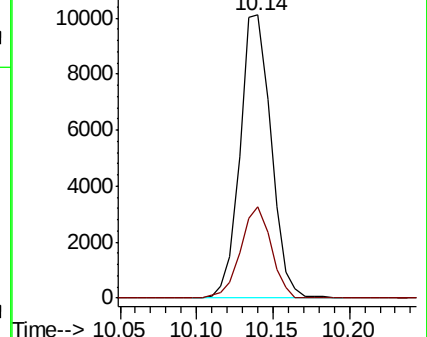
112 100

114 32.3 23.6 35.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 1.007 ug/l

RT: 10.22 min Scan# 1580

Delta R.T. -0.01 min

Lab File: VX003864.D

Acq: 06 Aug 2018 16:27

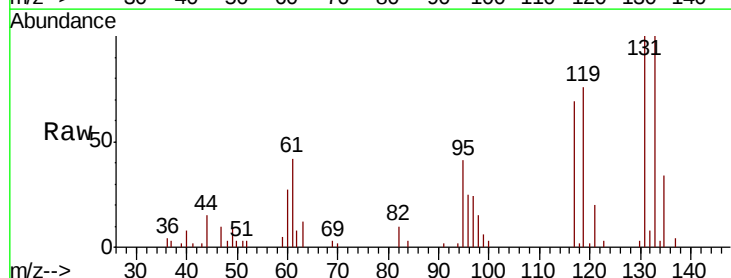
Tgt Ion:131 Resp: 4154

Ion Ratio Lower Upper

131 100

133 100.1 47.3 141.8

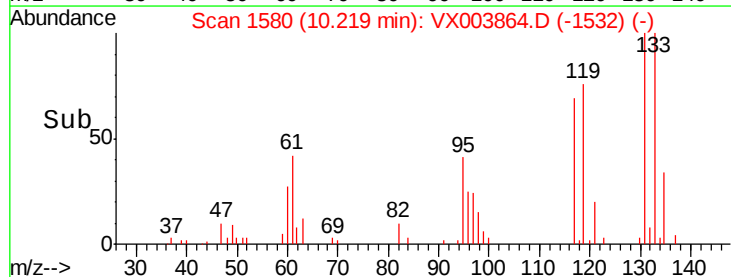
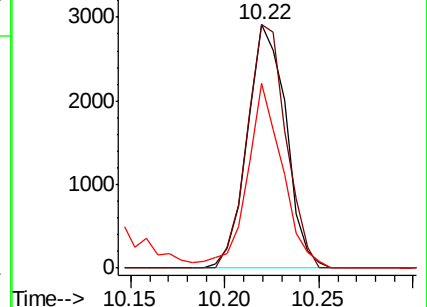
119 0.0 31.6 94.8#

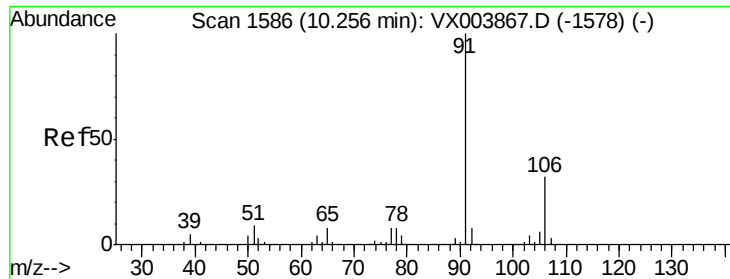


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

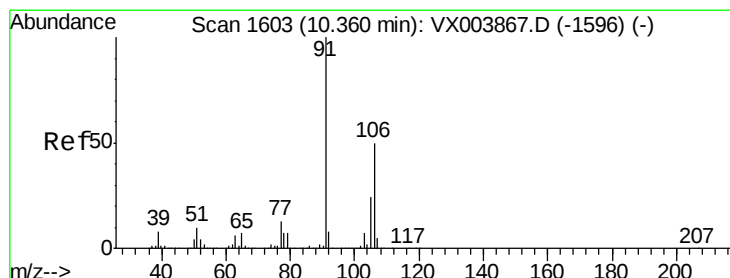
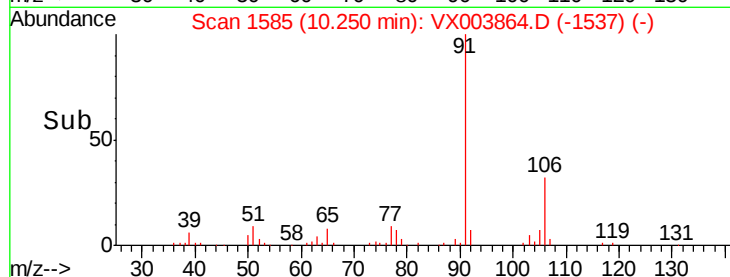
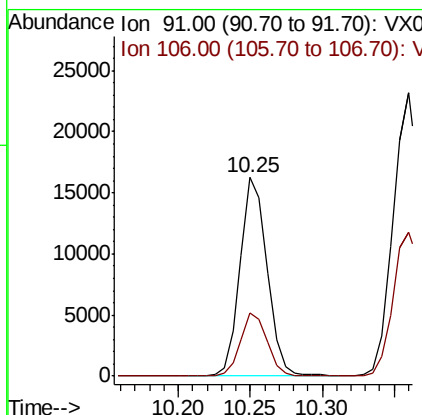
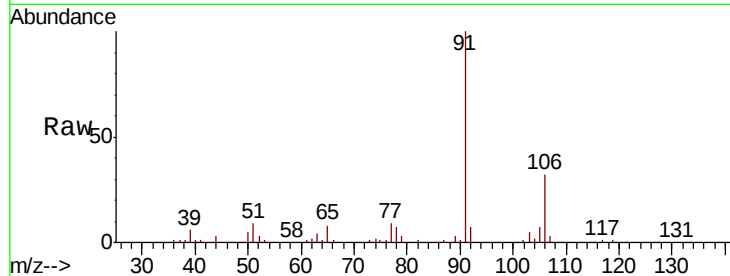




#67
Ethyl Benzene
Concen: 1.125 ug/l
RT: 10.25 min Scan# 1585
Delta R.T. -0.01 min
Lab File: VX003864.D
Acq: 06 Aug 2018 16:27

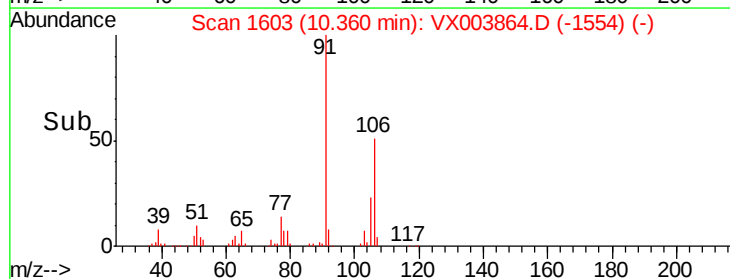
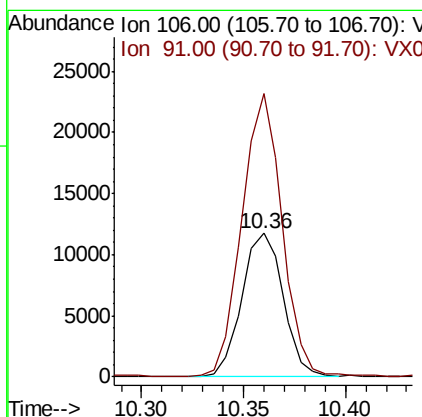
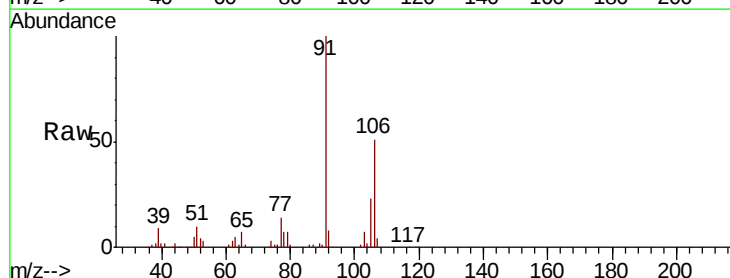
Instrument :
MSVOA_X
ClientSampled :
VSTDIC001

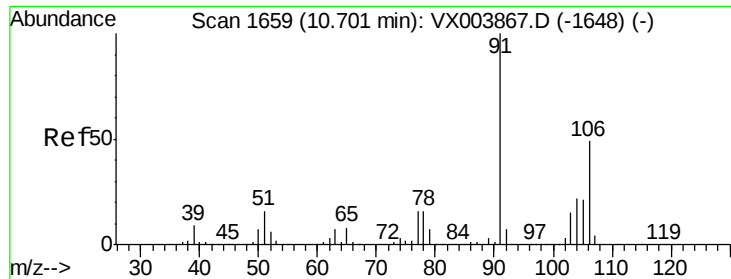
Tot Ion: 91 Resp: 21268
Ion Ratio Lower Upper
91 100
106 31.8 25.9 38.9



#68
m/p-Xylenes
Concen: 2.246 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003864.D
Acq: 06 Aug 2018 16:27

Tgt Ion:106 Resp: 16564
Ion Ratio Lower Upper
106 100
91 192.7 162.3 243.5

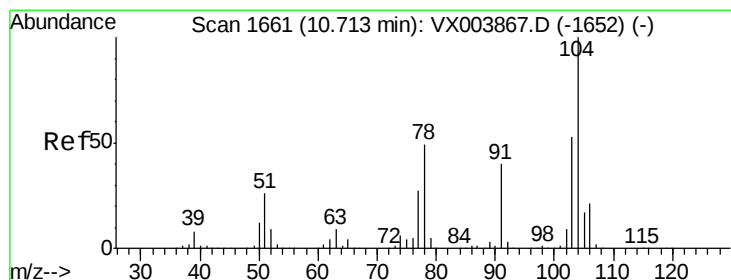
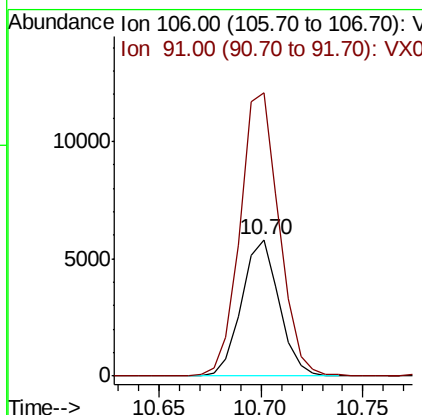
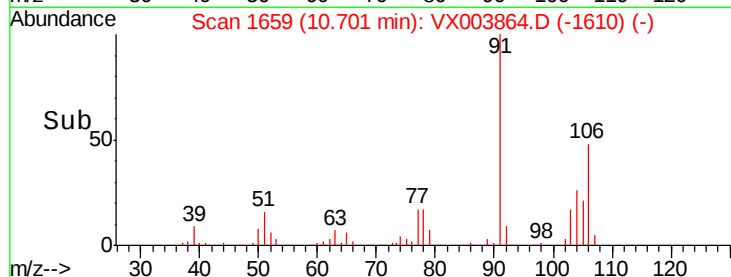
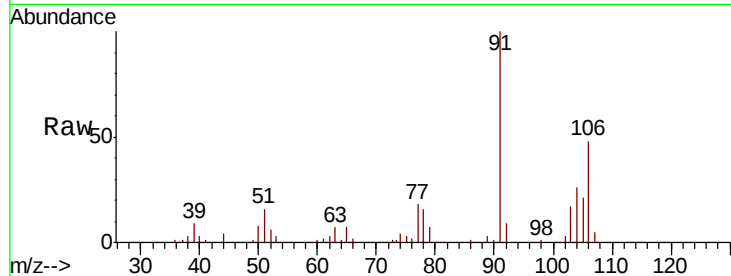




#69
o-Xylene
Concen: 1.042 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003864.D
Acq: 06 Aug 2018 16:27

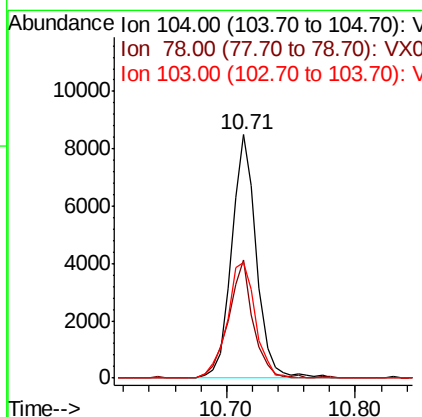
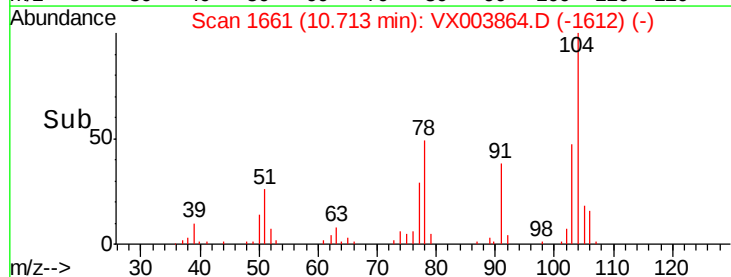
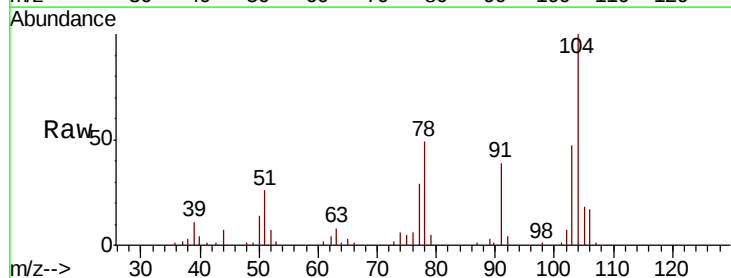
Instrument :
MSVOA_X
ClientSampled :
VSTDIC001

Tot Ion:106 Resp: 7377
Ion Ratio Lower Upper
106 100
91 216.6 101.9 305.7



#70
Styrene
Concen: 0.979 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003864.D
Acq: 06 Aug 2018 16:27

Tgt Ion:104 Resp: 11411
Ion Ratio Lower Upper
104 100
78 48.6 39.8 59.6
103 54.0 44.3 66.5





#71

Bromoform

Concen: 0.819 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX003864.D

Acq: 06 Aug 2018 16:27

Instrument :

MSVOA_X

ClientSampled :

VSTDIC001

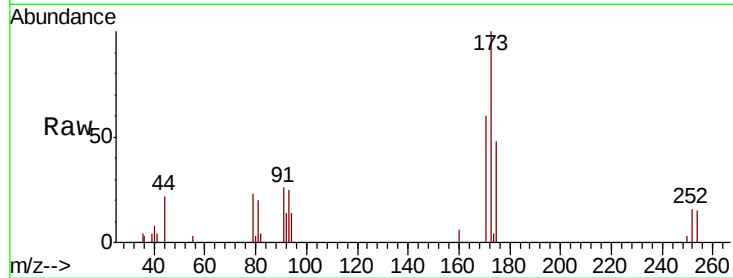
Tot Ion:173 Resp: 2745

Ion Ratio Lower Upper

173 100

175 51.0 24.9 74.7

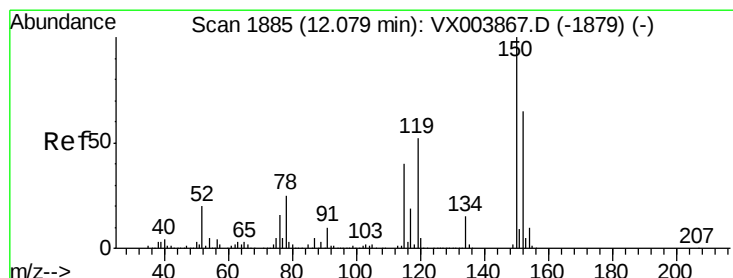
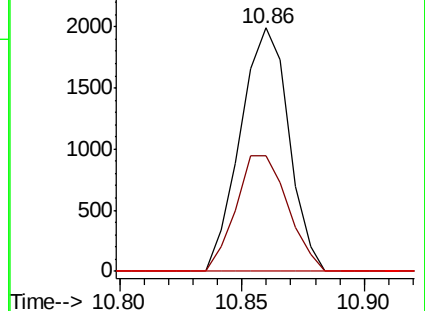
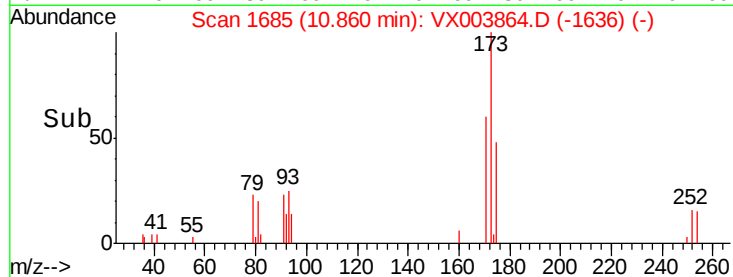
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003864.D

Acq: 06 Aug 2018 16:27

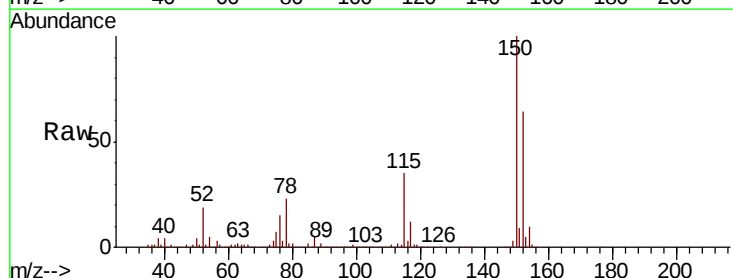
Tgt Ion:152 Resp: 241668

Ion Ratio Lower Upper

152 100

115 55.6 39.1 117.3

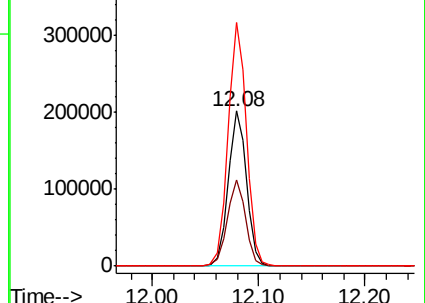
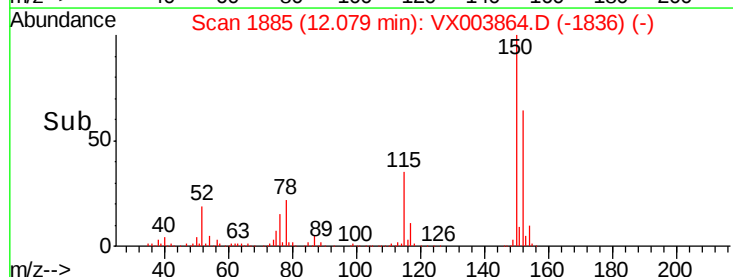
150 157.8 0.0 349.2



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: 1.123 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. 0.00 min

Lab File: VX003864.D

Acq: 06 Aug 2018 16:27

Instrument :

MSVOA_X

ClientSampleId :

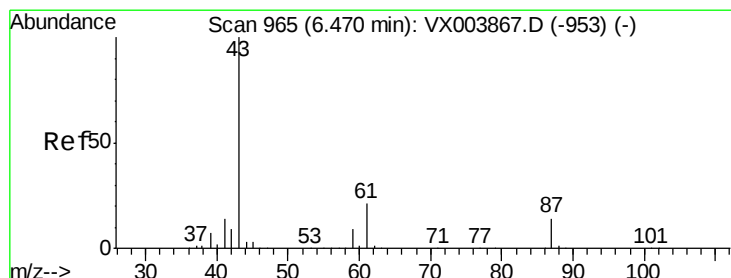
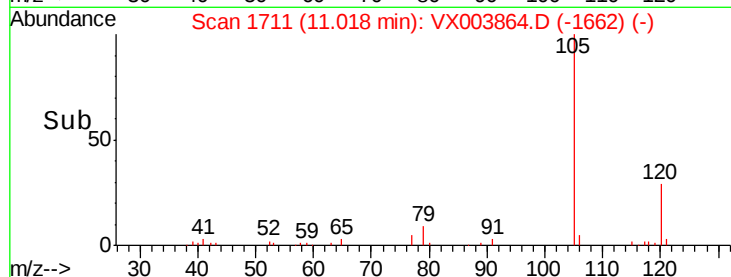
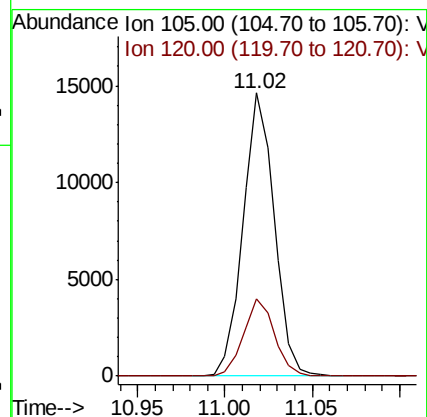
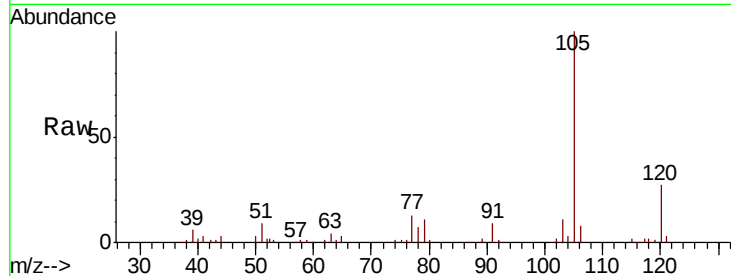
VSTDIC001

Tot Ion:105 Resp: 18125

Ion Ratio Lower Upper

105 100

120 27.0 12.6 37.8



#74

N-ethyl acetate

Concen: 1.282 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.01 min

Lab File: VX003864.D

Acq: 06 Aug 2018 16:27

Tgt Ion: 43 Resp: 10144

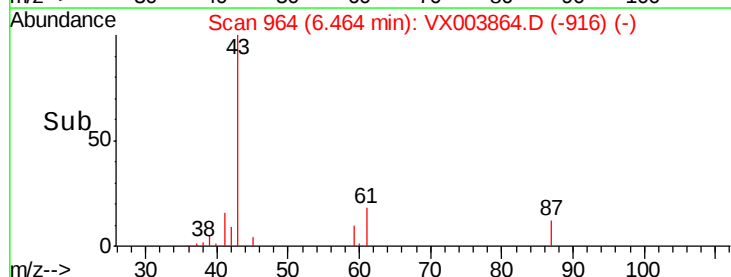
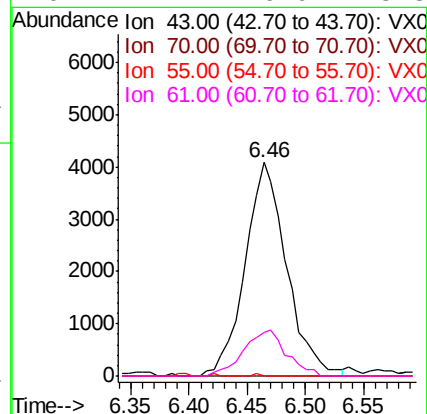
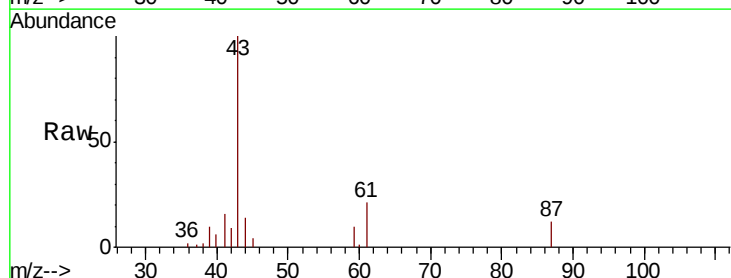
Ion Ratio Lower Upper

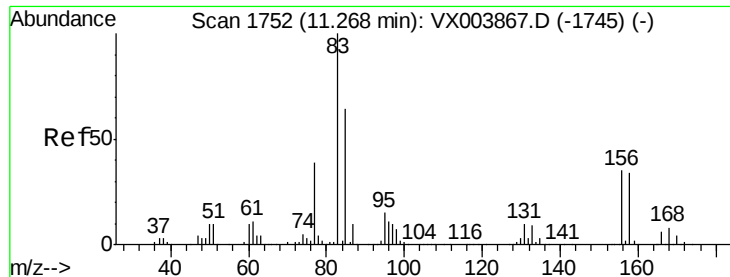
43 100

70 0.0 0.0 0.0

55 0.2 0.1 0.1#

61 22.2 16.9 25.3





#75

1,1,2,2-Tetrachloroethane

Concen: 1.188 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. 0.00 min

Lab File: VX003864.D

Acq: 06 Aug 2018 16:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

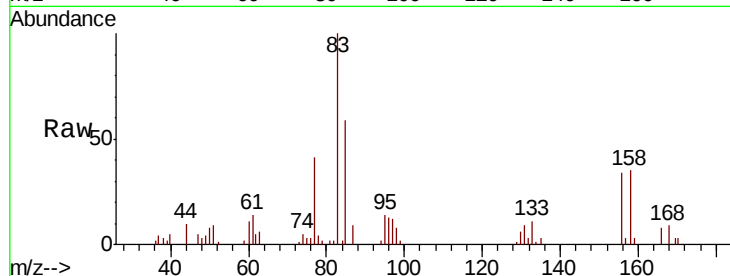
Tot Ion: 83 Resp: 6716

Ion Ratio Lower Upper

83 100

131 10.0 5.2 15.6

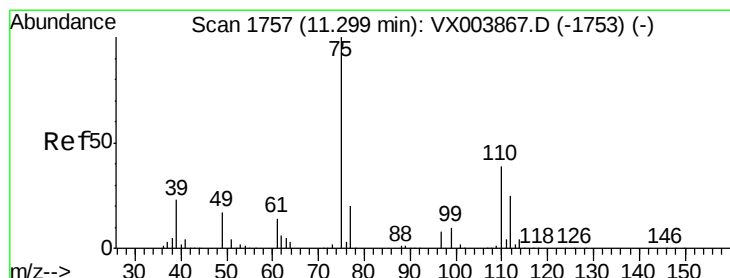
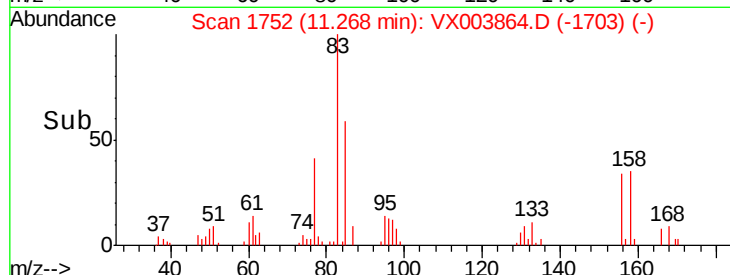
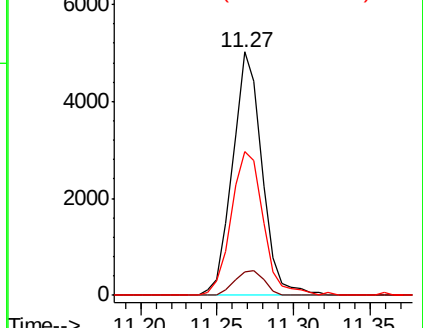
85 64.6 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 1.468 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VX003864.D

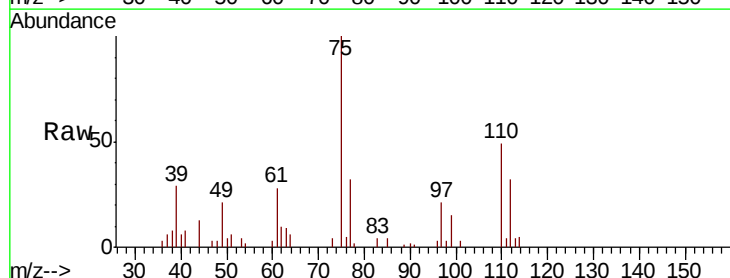
Acq: 06 Aug 2018 16:27

Tgt Ion: 75 Resp: 7194

Ion Ratio Lower Upper

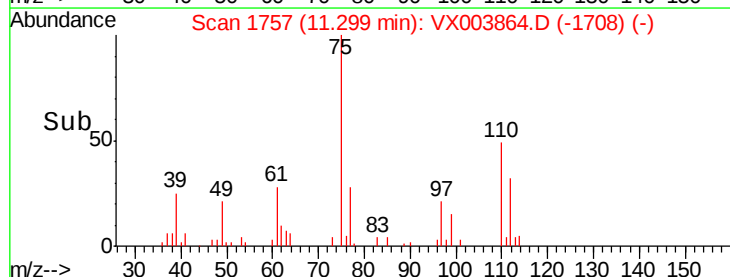
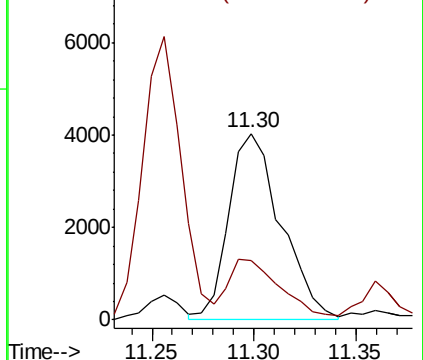
75 100

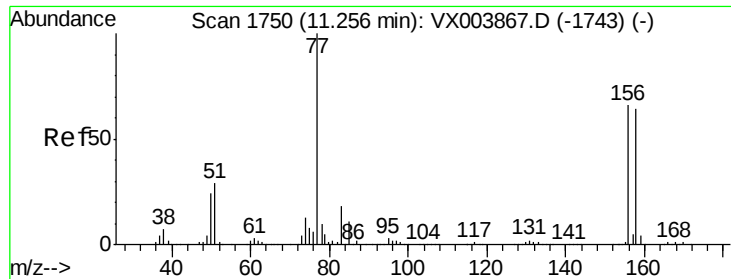
77 32.9 20.8 62.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 1.249 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003864.D

Acq: 06 Aug 2018 16:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

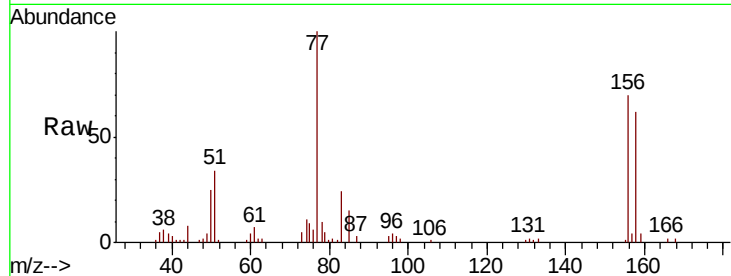
Tot Ion:156 Resp: 5508

Ion Ratio Lower Upper

156 100

77 147.0 74.1 222.2

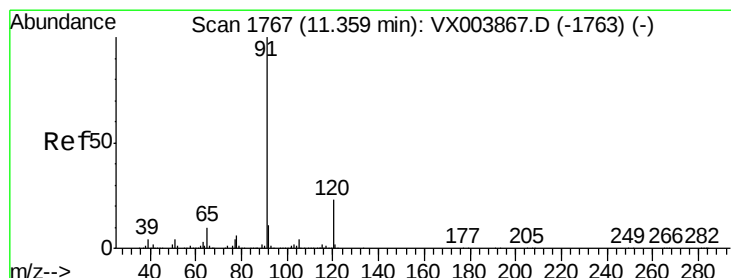
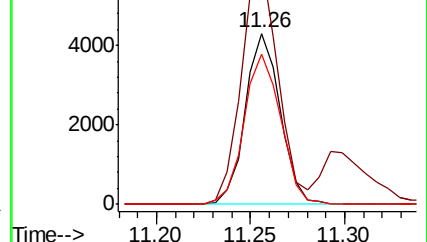
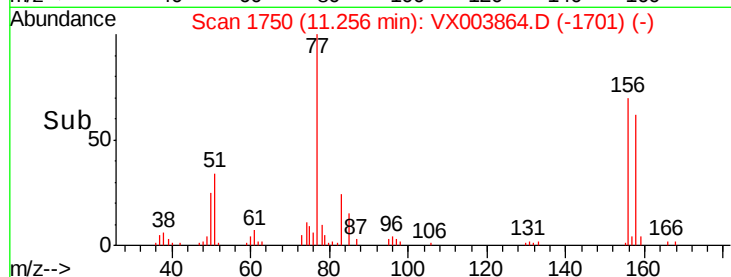
158 92.7 48.6 145.9



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: 1.155 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. 0.00 min

Lab File: VX003864.D

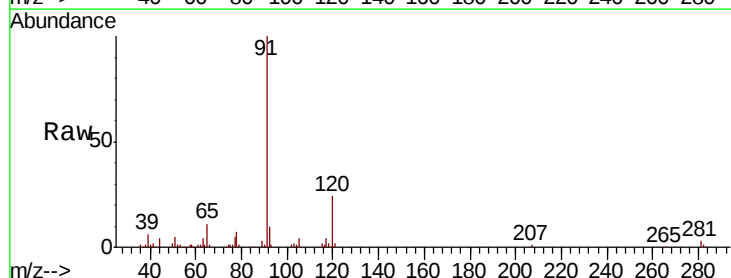
Acq: 06 Aug 2018 16:27

Tgt Ion: 91 Resp: 20767

Ion Ratio Lower Upper

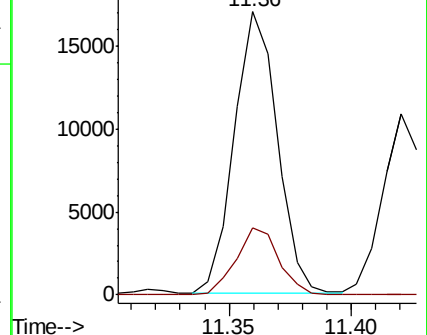
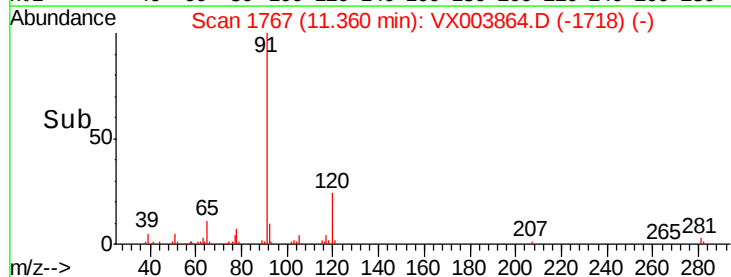
91 100

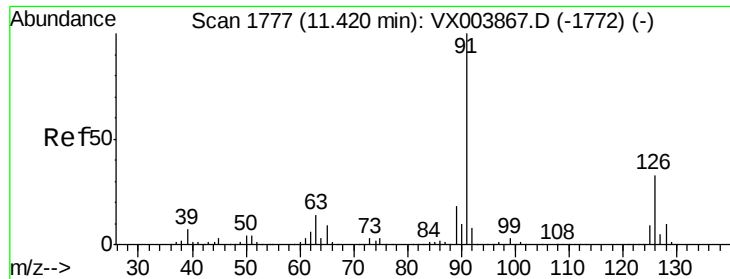
120 23.6 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

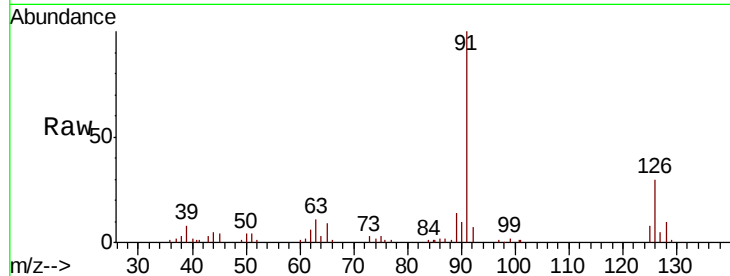




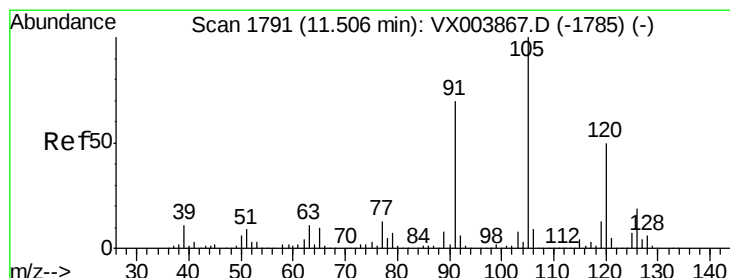
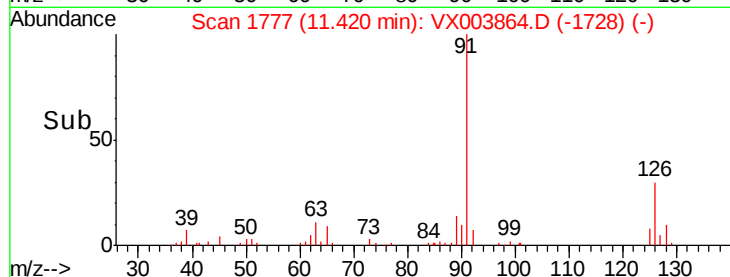
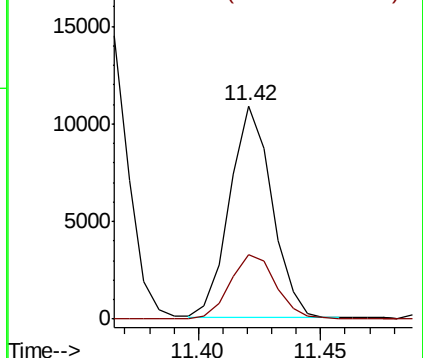
#79
 2-Chlorotoluene
 Concen: 1.189 ug/l
 RT: 11.42 min Scan# 1777
 Delta R.T. 0.00 min
 Lab File: VX003864.D
 Acq: 06 Aug 2018 16:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion: 91 Resp: 13057
 Ion Ratio Lower Upper
 91 100
 126 33.1 17.4 52.3

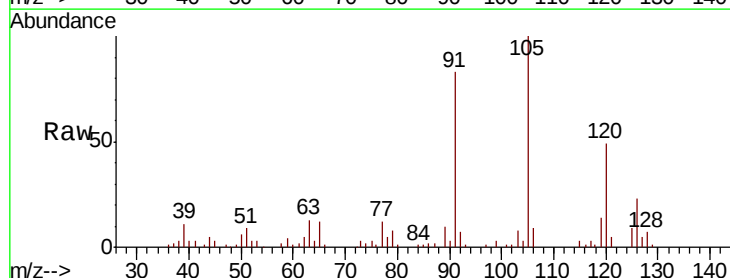


Abundance Ion 91.00 (90.70 to 91.70): VX0
 Ion 125.90 (125.60 to 126.60): V

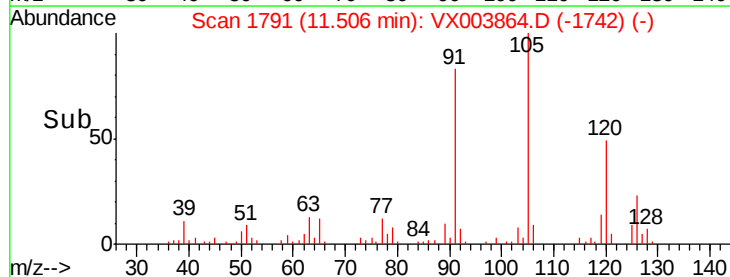
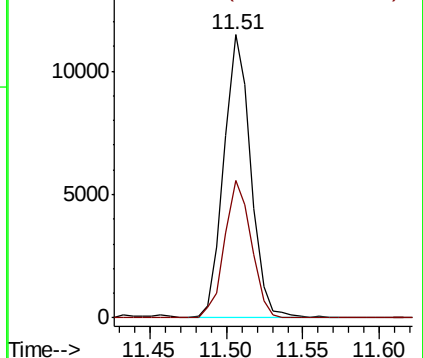


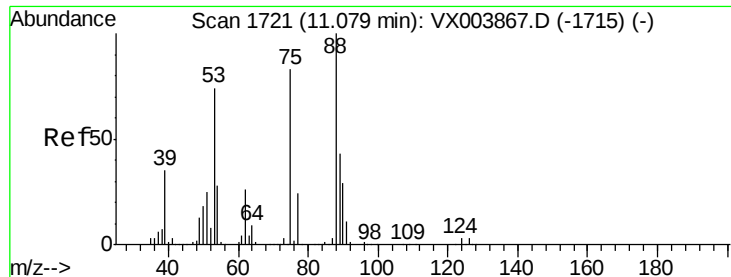
#80
 1,3,5-Trimethylbenzene
 Concen: 1.059 ug/l
 RT: 11.51 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX003864.D
 Acq: 06 Aug 2018 16:27

Tgt Ion:105 Resp: 13959
 Ion Ratio Lower Upper
 105 100
 120 48.4 25.4 76.2



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

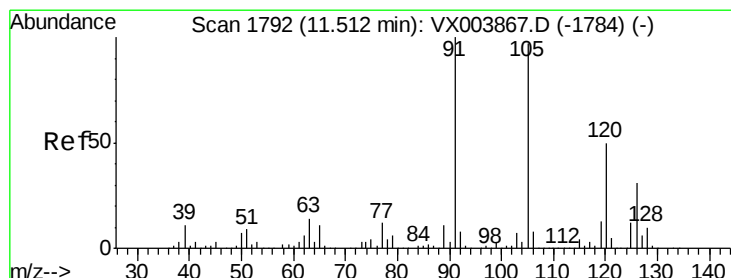
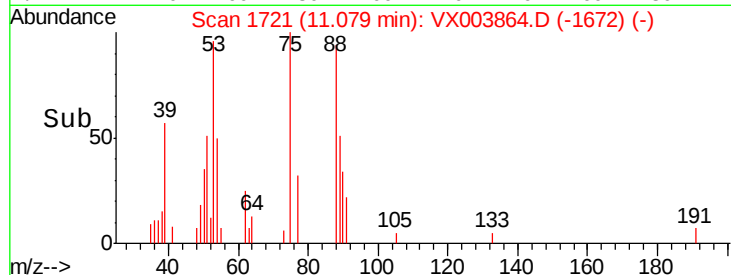
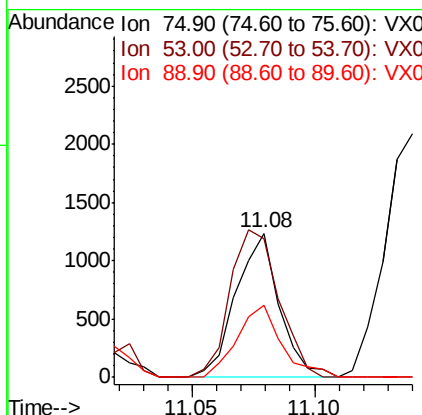
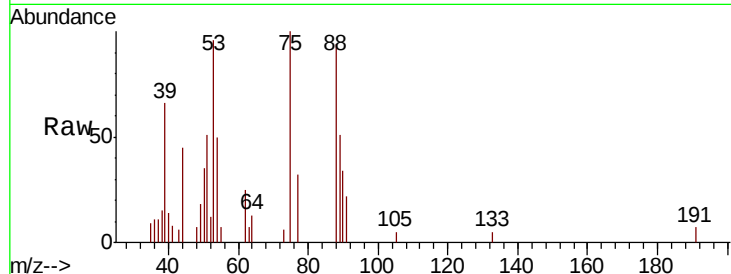




#81
trans-1,4-Dichloro-2-butene
Concen: 0.982 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX003864.D
Acq: 06 Aug 2018 16:27

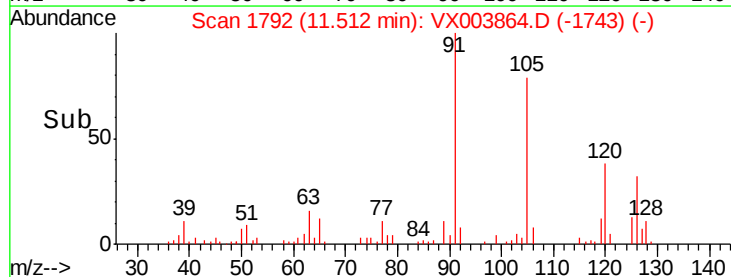
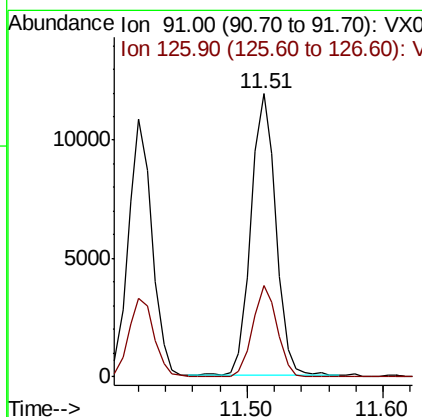
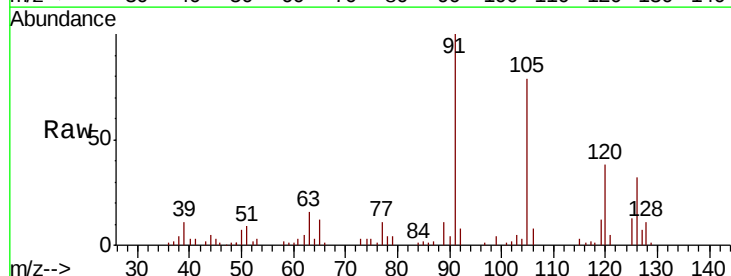
Instrument :
MSVOA_X
ClientSampled :
VSTDIC001

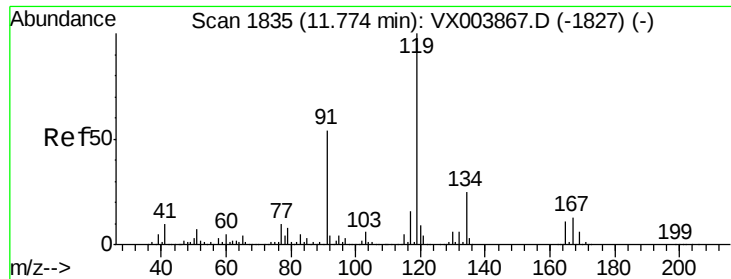
Tot Ion: 75 Resp: 1543
Ion Ratio Lower Upper
75 100
53 114.5 80.3 120.5
89 51.4 37.8 56.8



#82
4-Chlorotoluene
Concen: 1.208 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX003864.D
Acq: 06 Aug 2018 16:27

Tgt Ion: 91 Resp: 15350
Ion Ratio Lower Upper
91 100
126 31.5 15.6 46.7





#83

tert-Butylbenzene

Concen: 1.072 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX003864.D

Acq: 06 Aug 2018 16:27

Instrument :

MSVOA_X

ClientSampled :

VSTDIC001

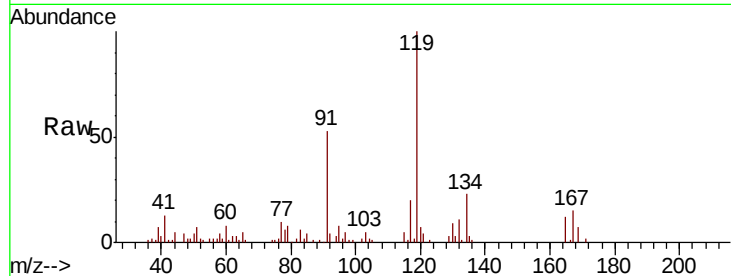
Tot Ion:119 Resp: 14331

Ion Ratio Lower Upper

119 100

91 53.5 26.9 80.7

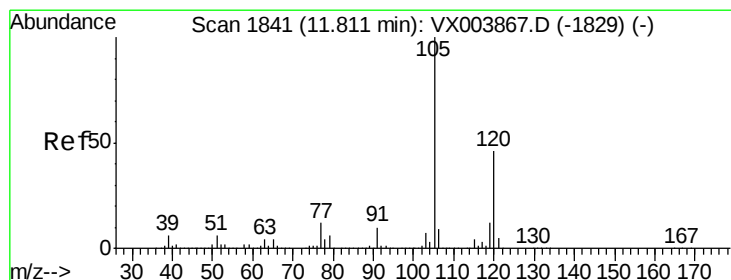
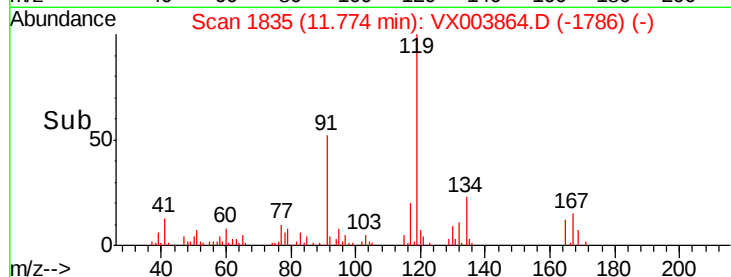
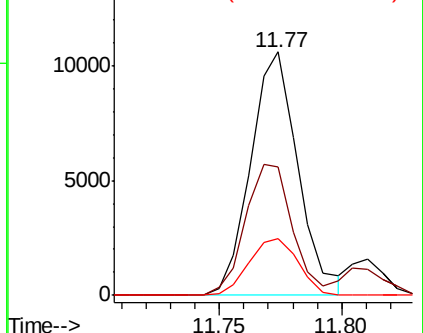
134 24.1 12.0 36.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 1.059 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VX003864.D

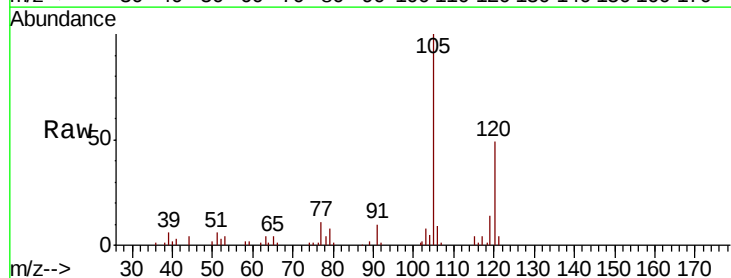
Acq: 06 Aug 2018 16:27

Tgt Ion:105 Resp: 14397

Ion Ratio Lower Upper

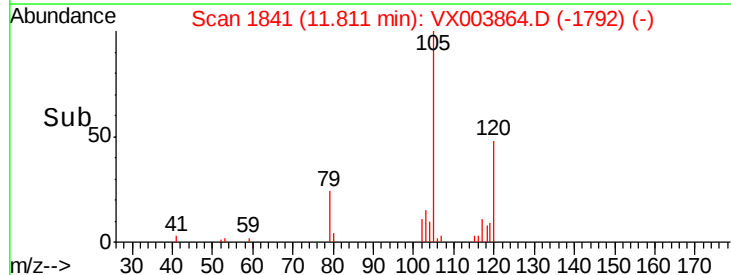
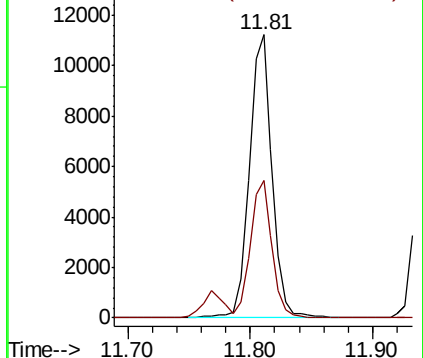
105 100

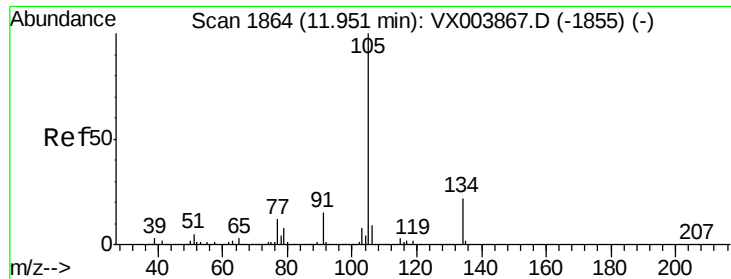
120 46.1 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 1.098 ug/l

RT: 11.94 min Scan# 1863

Delta R.T. -0.01 min

Lab File: VX003864.D

Acq: 06 Aug 2018 16:27

Instrument :

MSVOA_X

ClientSampleId :

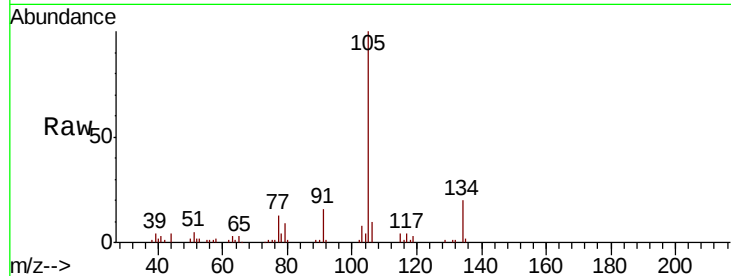
VSTDIC001

Tot Ion:105 Resp: 17165

Ion Ratio Lower Upper

105 100

134 21.3 10.3 30.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

15000

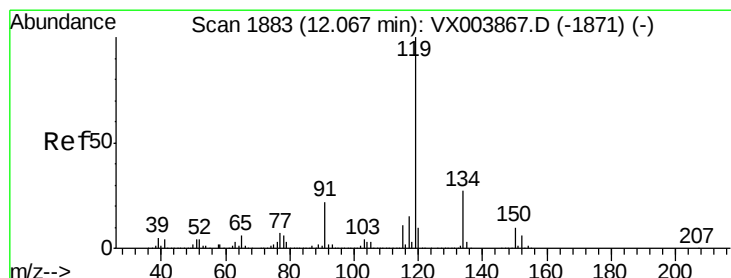
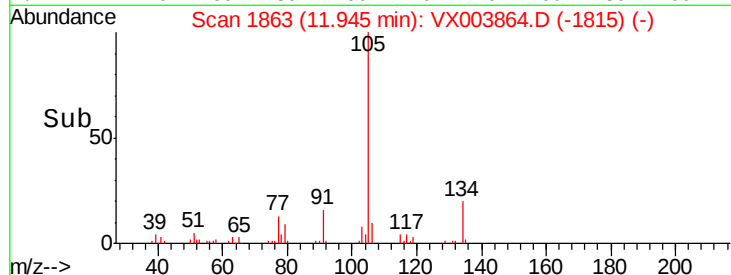
10000

5000

0

Time-->

11.90 11.95 12.00



#86

p-Isopropyltoluene

Concen: 1.080 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003864.D

Acq: 06 Aug 2018 16:27

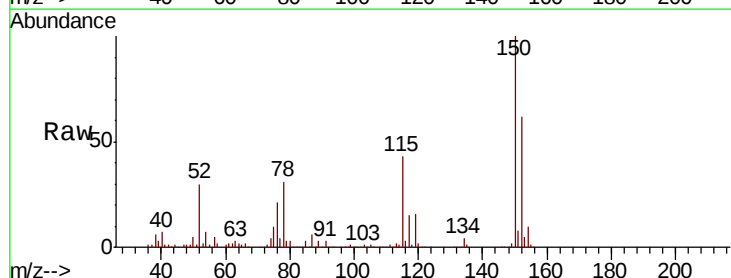
Tgt Ion:119 Resp: 15195

Ion Ratio Lower Upper

119 100

134 27.4 13.3 39.8

91 26.0 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): VX0

12.07

15000

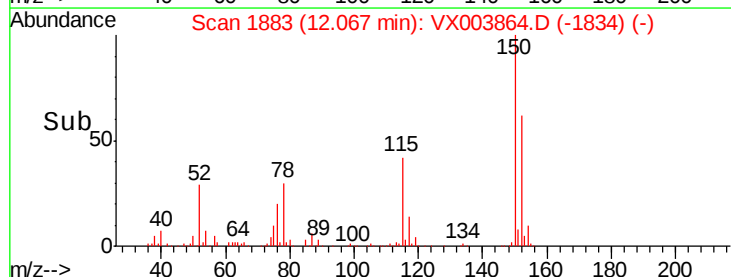
10000

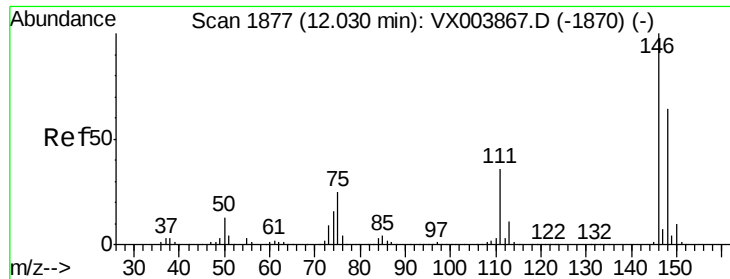
5000

0

Time-->

12.00 12.05 12.10 12.15

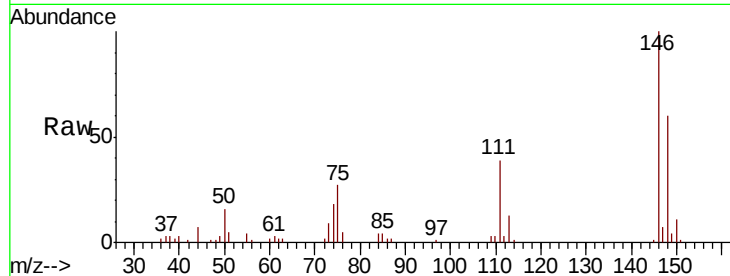




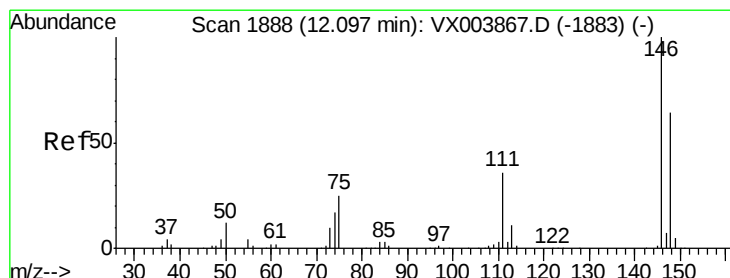
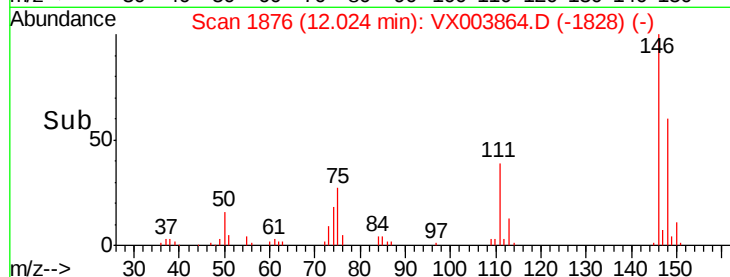
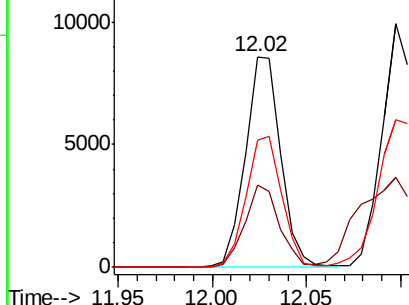
#87
 1,3-Dichlorobenzene
 Concen: 1.351 ug/l
 RT: 12.02 min Scan# 1876
 Delta R.T. -0.01 min
 Lab File: VX003864.D
 Acq: 06 Aug 2018 16:27

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC001

Tot Ion:146 Resp: 11159
 Ion Ratio Lower Upper
 146 100
 111 38.5 18.8 56.4
 148 62.7 31.9 95.5

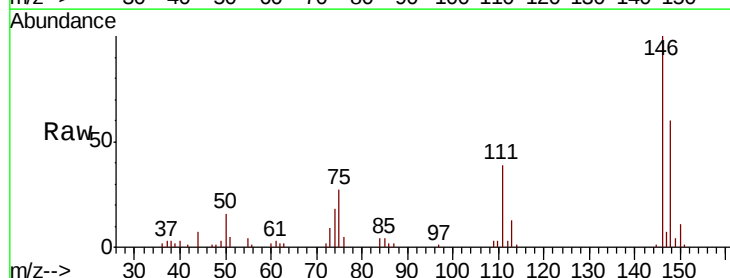


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

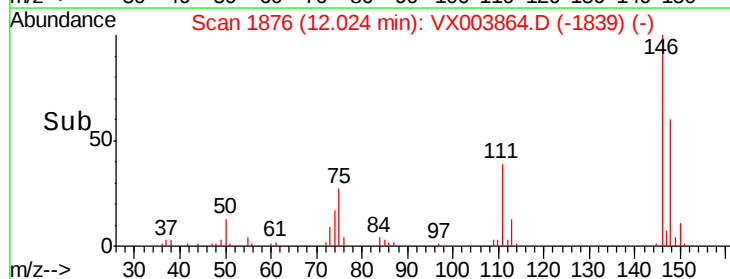
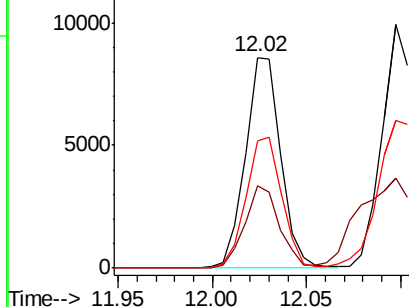


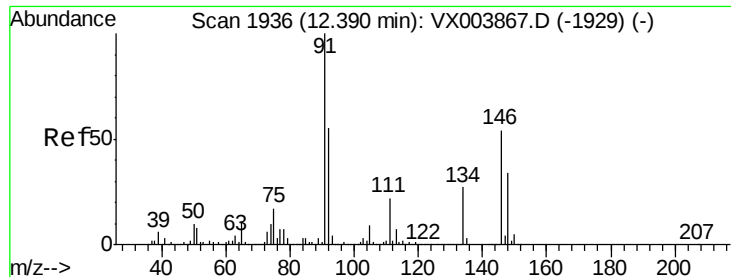
#88
 1,4-Dichlorobenzene
 Concen: 1.310 ug/l
 RT: 12.02 min Scan# 1876
 Delta R.T. -0.07 min
 Lab File: VX003864.D
 Acq: 06 Aug 2018 16:27

Tgt Ion:146 Resp: 11159
 Ion Ratio Lower Upper
 146 100
 111 38.5 18.4 55.0
 148 62.7 32.3 96.8



Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 1.171 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. 0.00 min

Lab File: VX003864.D

Acq: 06 Aug 2018 16:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

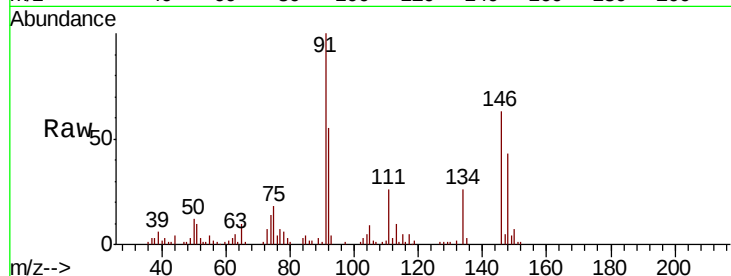
Tot Ion: 91 Resp: 14225

Ion Ratio Lower Upper

91 100

92 54.6 27.1 81.3

134 26.2 13.6 40.7

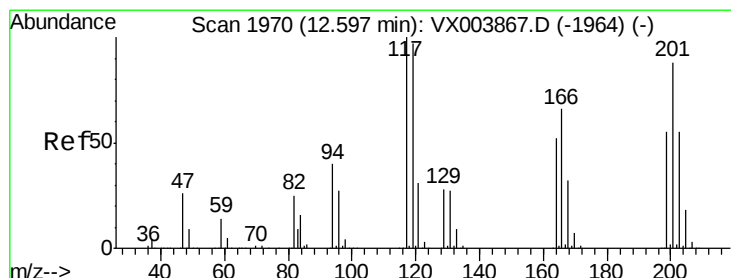
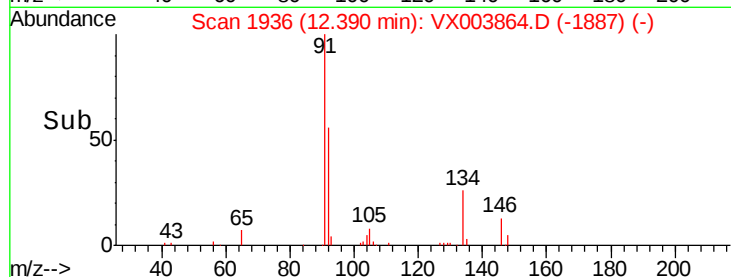


Abundance Ion 91.00 (90.70 to 91.70): VX003867.D (-1929) (-)

Ion 92.00 (91.70 to 92.70): VX003867.D (-1929) (-)

Ion 134.00 (133.70 to 134.70): VX003867.D (-1929) (-)

Time-->



#90

Hexachloroethane

Concen: 1.102 ug/l

RT: 12.60 min Scan# 1970

Delta R.T. 0.00 min

Lab File: VX003864.D

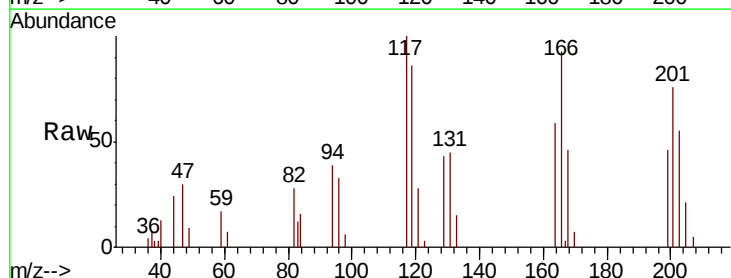
Acq: 06 Aug 2018 16:27

Tgt Ion: 117 Resp: 2516

Ion Ratio Lower Upper

117 100

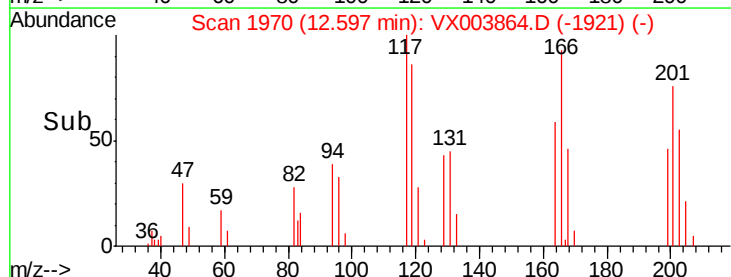
201 85.7 46.1 138.2

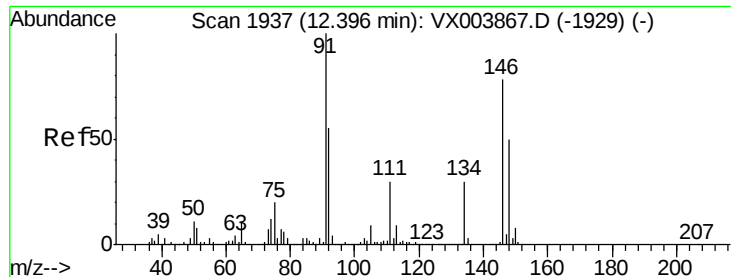


Abundance Ion 116.80 (116.50 to 117.50): VX003867.D (-1964) (-)

Ion 200.70 (200.40 to 201.40): VX003867.D (-1964) (-)

Time-->

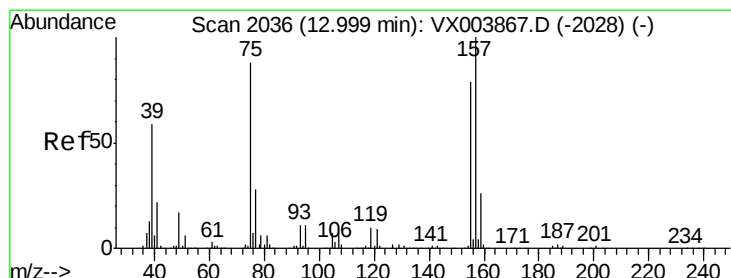
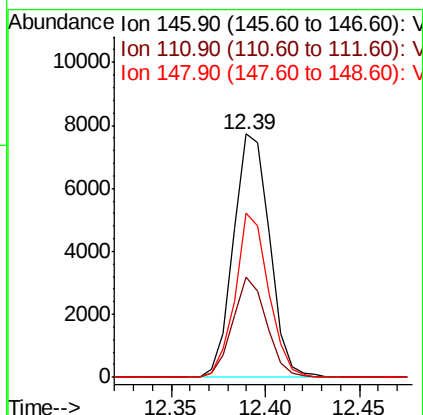
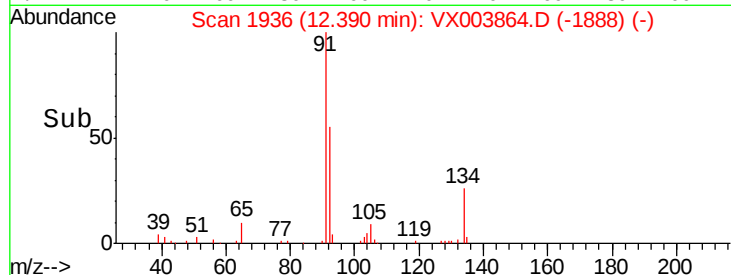
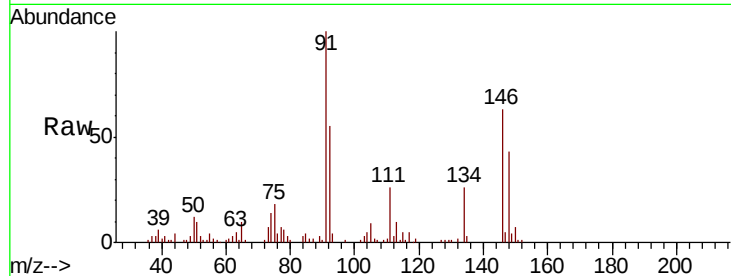




#91
 1,2-Dichlorobenzene
 Concen: 1.224 ug/l
 RT: 12.39 min Scan# 1936
 Delta R.T. -0.01 min
 Lab File: VX003864.D
 Acq: 06 Aug 2018 16:27

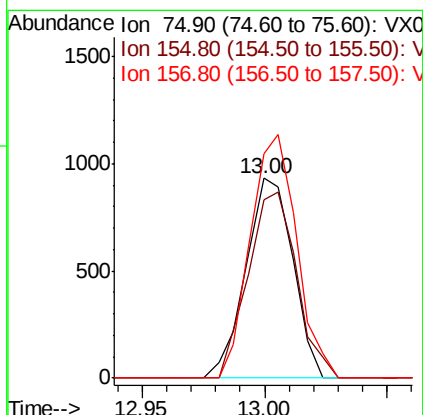
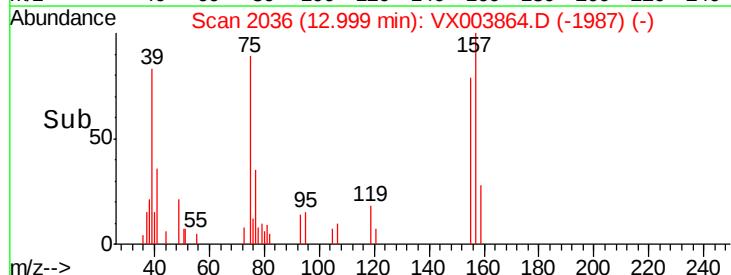
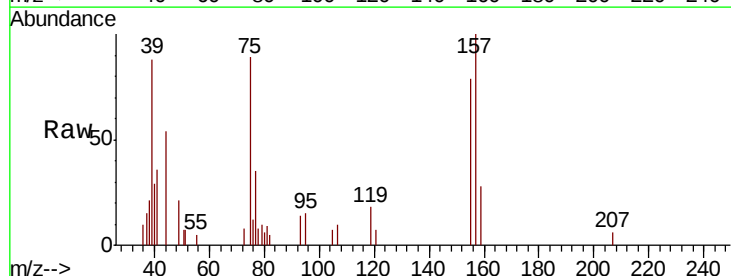
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

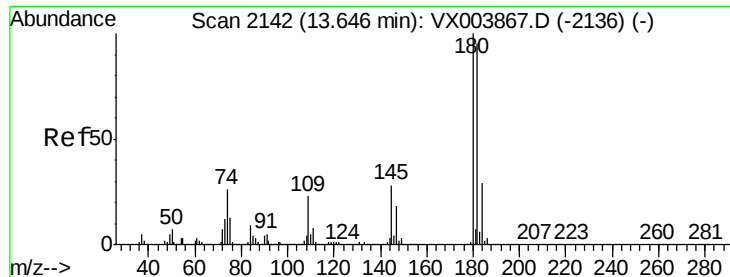
Tot Ion:146 Resp: 10291
 Ion Ratio Lower Upper
 146 100
 111 38.7 19.7 59.0
 148 62.3 31.9 95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.003 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VX003864.D
 Acq: 06 Aug 2018 16:27

Tgt Ion: 75 Resp: 1251
 Ion Ratio Lower Upper
 75 100
 155 96.1 48.7 146.1
 157 120.0 62.6 187.8

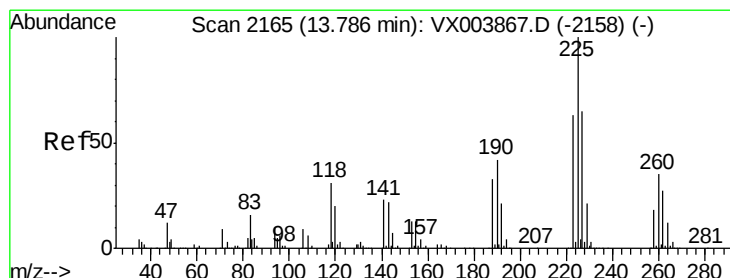
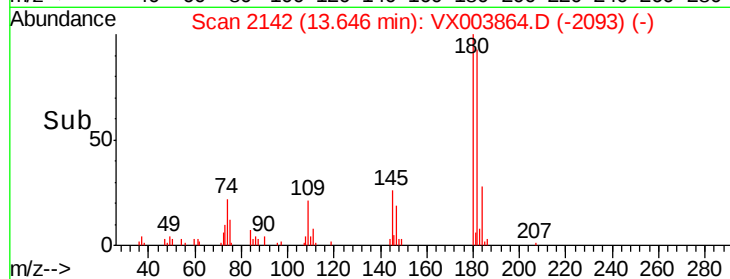
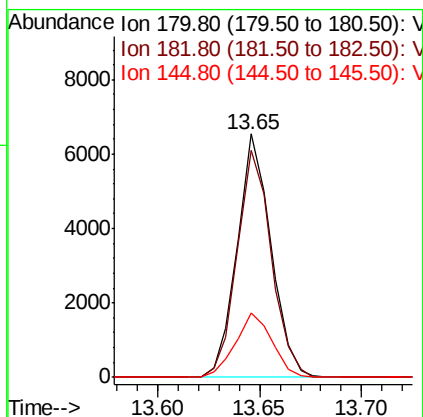
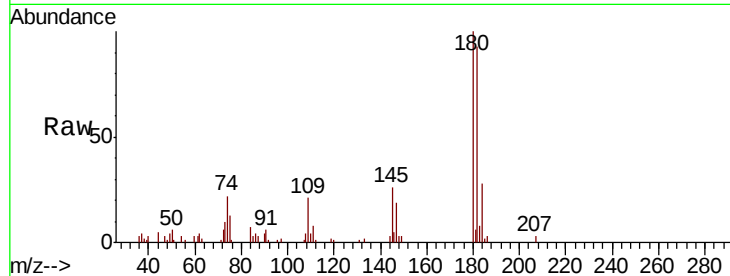




#93
 1,2,4-Trichlorobenzene
 Concen: 1.258 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VX003864.D
 Acq: 06 Aug 2018 16:27

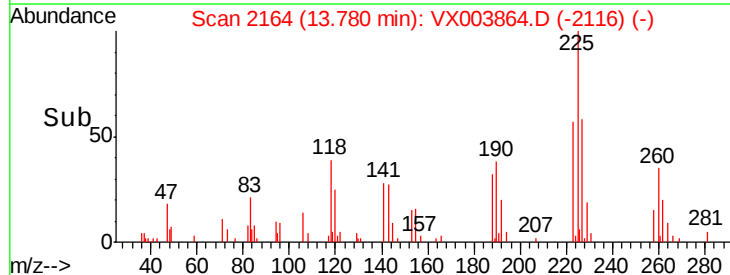
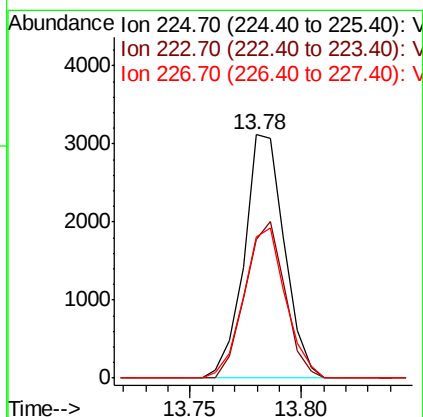
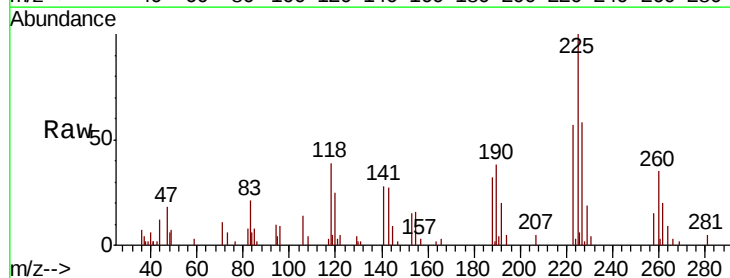
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

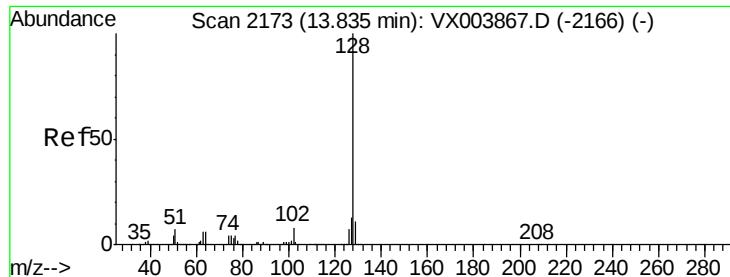
Tot Ion:180 Resp: 7498
 Ion Ratio Lower Upper
 180 100
 182 94.7 47.7 143.1
 145 28.7 13.9 41.6



#94
 Hexachlorobutadiene
 Concen: 1.367 ug/l
 RT: 13.78 min Scan# 2164
 Delta R.T. -0.01 min
 Lab File: VX003864.D
 Acq: 06 Aug 2018 16:27

Tgt Ion:225 Resp: 3937
 Ion Ratio Lower Upper
 225 100
 223 62.7 31.4 94.0
 227 63.9 32.1 96.5





#95

Naphthalene

Concen: 0.966 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. 0.00 min

Lab File: VX003864.D

Acq: 06 Aug 2018 16:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

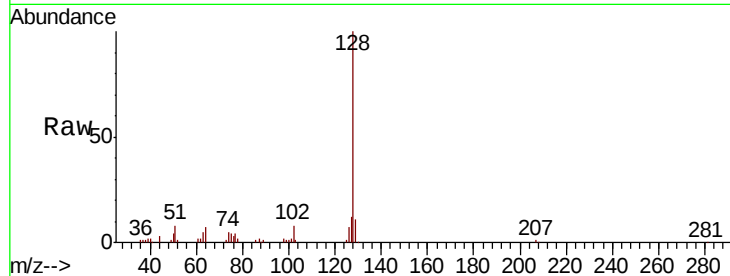
Tot Ion:128 Resp: 16694

Ion Ratio Lower Upper

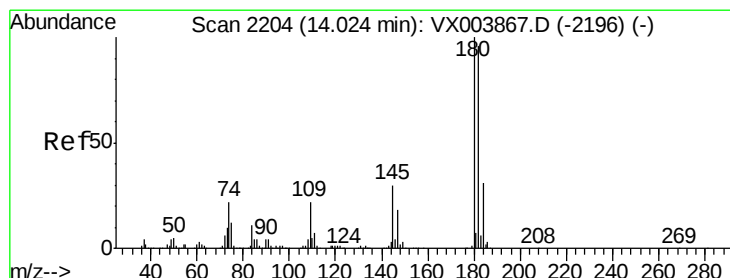
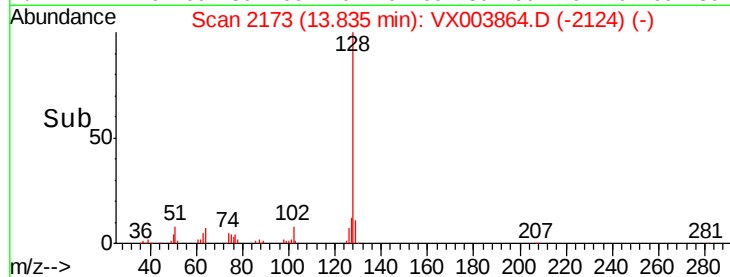
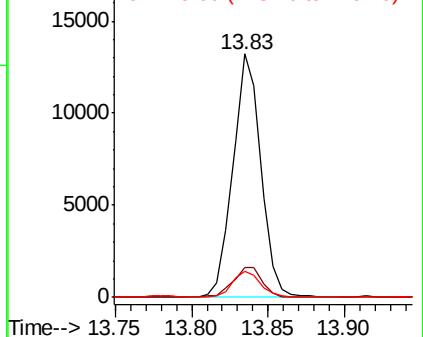
128 100

127 13.0 10.2 15.2

129 10.8 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 1.126 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX003864.D

Acq: 06 Aug 2018 16:27

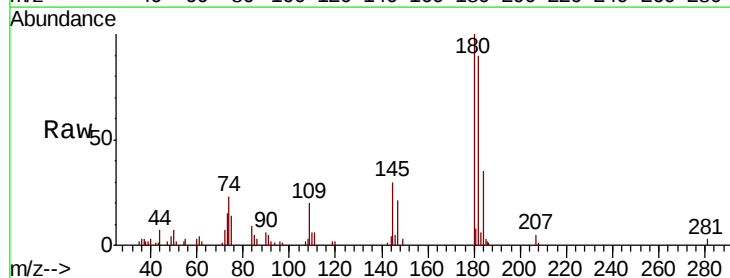
Tgt Ion:180 Resp: 6941

Ion Ratio Lower Upper

180 100

182 95.9 48.1 144.4

145 30.7 14.9 44.7



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

