

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121818\
 Data File : VX006588.D
 Acq On : 18 Dec 2018 10:45
 Operator : JC/MD
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Quant Time: Dec 19 00:34:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 00:31:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	670672	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1047998	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	960134	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	480975	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	16239	2.25	ug/l	0.00
Spiked Amount			Recovery	=	4.50%	
35) Dibromofluoromethane	5.49	113	13104	1.98	ug/l	0.00
Spiked Amount			Recovery	=	3.96%	
50) Toluene-d8	8.71	98	33195	1.33	ug/l	0.00
Spiked Amount			Recovery	=	2.66%	
62) 4-Bromofluorobenzene	11.13	95	10954	1.20	ug/l	0.00
Spiked Amount			Recovery	=	2.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	7047	1.149	ug/l	97
3) Chloromethane	1.33	50	8236	1.246	ug/l	94
4) Vinyl Chloride	1.41	62	7727	1.119	ug/l	98
5) Bromomethane	1.64	94	10637	1.417	ug/l	91
6) Chloroethane	1.72	64	4895	1.024	ug/l	96
7) Trichlorofluoromethane	1.93	101	11372	1.057	ug/l	93
8) Diethyl Ether	2.19	74	5412	1.266	ug/l	74
9) 1,1,2-Trichlorotrifluoroet	2.39	101	7223	1.143	ug/l	87
10) Methyl Iodide	2.51	142	8954	0.990	ug/l #	93
11) Tert butyl alcohol	3.05	59	10388	6.440	ug/l	98
12) 1,1-Dichloroethene	2.37	96	6761	1.128	ug/l	93
13) Acrolein	2.29	56	6476	5.951	ug/l	95
14) Allyl chloride	2.73	41	10534	1.044	ug/l	97
15) Acrylonitrile	3.14	53	18256	5.097	ug/l	96
16) Acetone	2.44	43	20387	6.139	ug/l	91
17) Carbon Disulfide	2.57	76	19694	1.242	ug/l	96
18) Methyl Acetate	2.77	43	10662	1.092	ug/l	97
19) Methyl tert-butyl Ether	3.19	73	19887	1.000	ug/l	97
20) Methylene Chloride	2.86	84	8509	1.239	ug/l	90
21) trans-1,2-Dichloroethene	3.16	96	8575	1.292	ug/l #	89
22) Diisopropyl ether	3.85	45	18588	1.007	ug/l	93
23) Vinyl Acetate	3.81	43	76043	5.038	ug/l	99
24) 1,1-Dichloroethane	3.70	63	12799	1.162	ug/l	100
25) 2-Butanone	4.68	43	27249	5.833	ug/l	97
26) 2,2-Dichloropropane	4.57	77	9781	1.150	ug/l	90
27) cis-1,2-Dichloroethene	4.59	96	7852	1.072	ug/l	89
28) Bromochloromethane	5.01	49	6681	1.319	ug/l	98
29) Tetrahydrofuran	5.14	42	17655	5.738	ug/l	99
30) Chloroform	5.20	83	12973	1.137	ug/l	93
31) Cyclohexane	5.56	56	11515	1.151	ug/l #	76
32) 1,1,1-Trichloroethane	5.48	97	9608	0.998	ug/l #	39
36) 1,1-Dichloropropene	5.79	75	9391	1.082	ug/l #	87
37) Ethyl Acetate	4.84	43	10528	1.165	ug/l #	87
38) Carbon Tetrachloride	5.77	117	9022	1.070	ug/l	89

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121818\
 Data File : VX006588.D
 Acq On : 18 Dec 2018 10:45
 Operator : JC/MD
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Quant Time: Dec 19 00:34:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 00:31:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	13359	1.169	ug/l	93
40) Benzene	6.13	78	28533	1.081	ug/l	99
41) Methacrylonitrile	5.05	41	4553	0.897	ug/l #	72
42) 1,2-Dichloroethane	6.19	62	10383	1.155	ug/l	96
43) Isopropyl Acetate	6.46	43	13410	0.976	ug/l #	87
44) Trichloroethene	7.21	130	9421	1.180	ug/l	98
45) 1,2-Dichloropropane	7.51	63	7058	1.099	ug/l	99
46) Dibromomethane	7.66	93	5278	1.118	ug/l	93
47) Bromodichloromethane	7.89	83	8120	1.036	ug/l	85
48) Methyl methacrylate	7.77	41	6499	0.930	ug/l #	87
49) 1,4-Dioxane	7.75	88	5200	26.292	ug/l #	91
51) 4-Methyl-2-Pentanone	8.64	43	42433	4.852	ug/l	100
52) Toluene	8.78	92	17966	1.054	ug/l	95
53) t-1,3-Dichloropropene	9.04	75	7418	0.882	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	7839	0.850	ug/l #	85
55) 1,1,2-Trichloroethane	9.21	97	7441	1.067	ug/l	89
56) Ethyl methacrylate	9.18	69	9405	0.954	ug/l	94
57) 1,3-Dichloropropane	9.37	76	12397	1.104	ug/l	95
58) 2-Chloroethyl Vinyl ether	8.31	63	27411	5.229	ug/l	96
59) 2-Hexanone	9.49	43	31508	4.708	ug/l	94
60) Dibromochloromethane	9.58	129	5091	0.792	ug/l	96
61) 1,2-Dibromoethane	9.67	107	7383	0.995	ug/l	95
64) Tetrachloroethene	9.33	164	8592	1.130	ug/l	92
65) Chlorobenzene	10.13	112	22935	1.129	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.22	131	5426	0.856	ug/l #	63
67) Ethyl Benzene	10.25	91	36457	1.098	ug/l	96
68) m/p-Xylenes	10.35	106	26604	2.031	ug/l	98
69) o-Xylene	10.69	106	13614	1.053	ug/l	94
70) Styrene	10.71	104	20317	0.993	ug/l	94
71) Bromoform	10.86	173	3937	0.816	ug/l #	90
73) Isopropylbenzene	11.01	105	34149	1.038	ug/l	100
74) N-amyl acetate	10.90	43	10312	0.876	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	11.26	83	9405	0.961	ug/l	93
76) 1,2,3-Trichloropropane	11.29	75	10031	1.177	ug/l	96
77) Bromobenzene	11.25	156	9368	1.053	ug/l	94
78) n-propylbenzene	11.36	91	36337	1.003	ug/l	97
79) 2-Chlorotoluene	11.41	91	24160	1.100	ug/l	96
80) 1,3,5-Trimethylbenzene	11.51	105	27351	1.009	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	2243	0.899	ug/l #	81
82) 4-Chlorotoluene	11.51	91	26450	1.050	ug/l	98
83) tert-Butylbenzene	11.77	119	26131	0.963	ug/l	86
84) 1,2,4-Trimethylbenzene	11.80	105	32283	1.132	ug/l	87
85) sec-Butylbenzene	11.94	105	34592	1.040	ug/l	96
86) p-Isopropyltoluene	12.06	119	28180	0.964	ug/l	90
87) 1,3-Dichlorobenzene	12.02	146	16857	1.051	ug/l	97
88) 1,4-Dichlorobenzene	12.02	146	16859	1.025	ug/l	97
89) n-Butylbenzene	12.38	91	24040	0.966	ug/l	99
90) Hexachloroethane	12.60	117	3257	0.818	ug/l	93
91) 1,2-Dichlorobenzene	12.39	146	17344	1.081	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.00	75	2139	1.056	ug/l	74

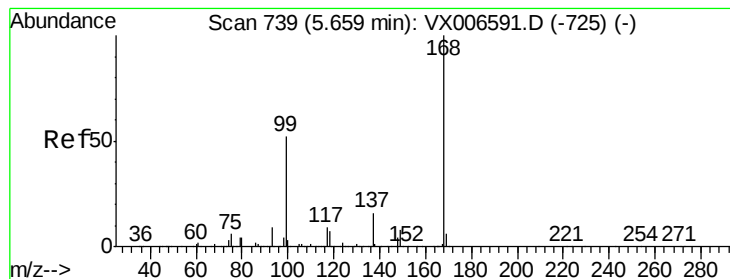
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX121818\
Data File : VX006588.D
Acq On : 18 Dec 2018 10:45
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Quant Time: Dec 19 00:34:26 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 19 00:31:42 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	11566	1.045	ug/l	91
94) Hexachlorobutadiene	13.78	225	6330	1.214	ug/l	90
95) Naphthalene	13.83	128	40029	1.134	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	13743	1.203	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.01 min

Lab File: VX006588.D

Acq: 18 Dec 2018 10:45

Instrument :

MSVOA_X

ClientSampleId :

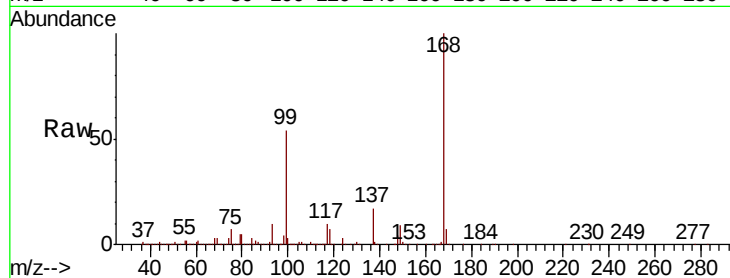
VSTDIC001

Tgt Ion:168 Resp: 670672

Ion Ratio Lower Upper

168 100

99 54.1 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

250000

200000

150000

100000

50000

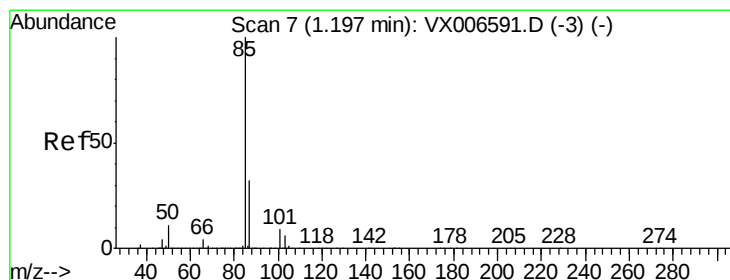
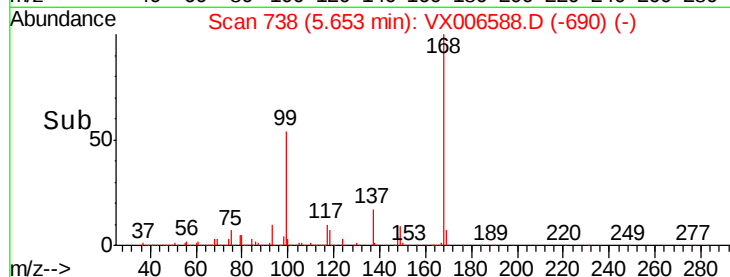
0

5.50

5.60

5.70

5.80



#2

Dichlorodifluoromethane

Concen: 1.149 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX006588.D

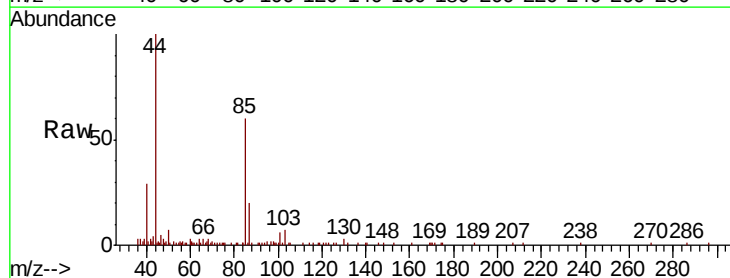
Acq: 18 Dec 2018 10:45

Tgt Ion: 85 Resp: 7047

Ion Ratio Lower Upper

85 100

87 33.4 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

6000

4000

2000

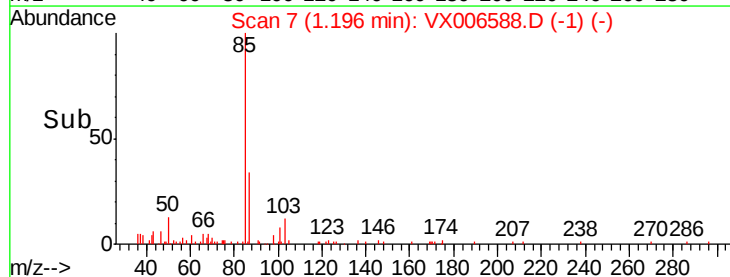
0

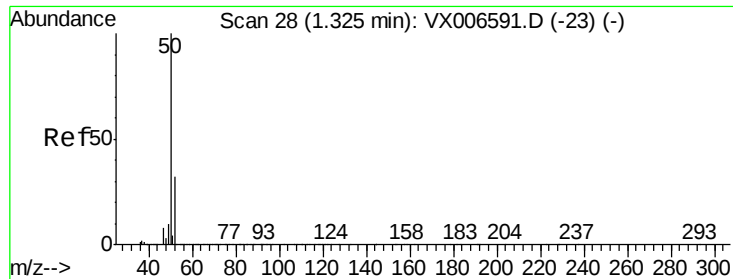
1.15

1.20

1.25

1.30





#3

Chloromethane

Concen: 1.246 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX006588.D

Acq: 18 Dec 2018 10:45

Instrument :

MSVOA_X

ClientSampleId :

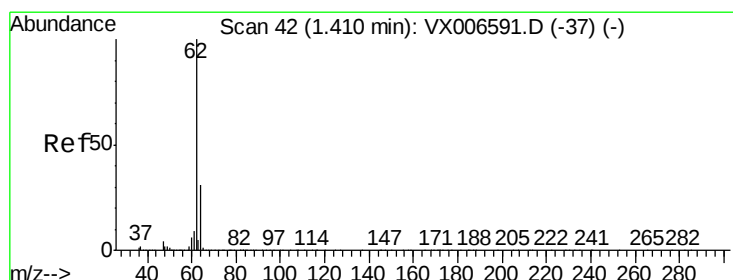
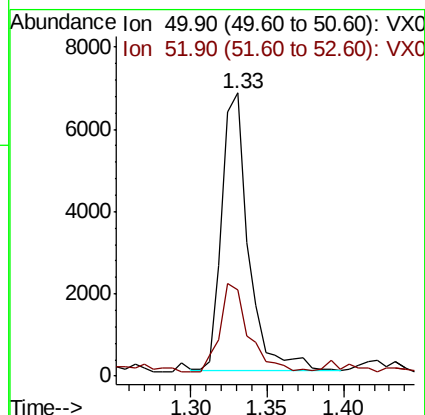
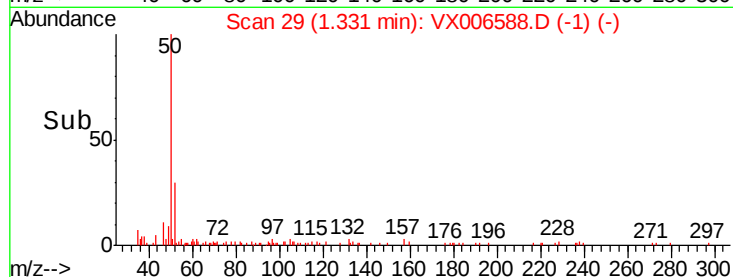
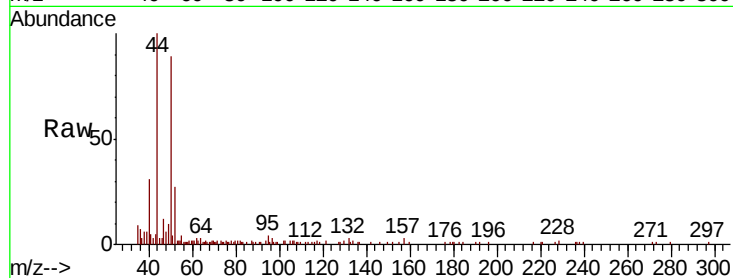
VSTDIC001

Tgt Ion: 50 Resp: 8236

Ion Ratio Lower Upper

50 100

52 28.4 25.4 38.2



#4

Vinyl Chloride

Concen: 1.119 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX006588.D

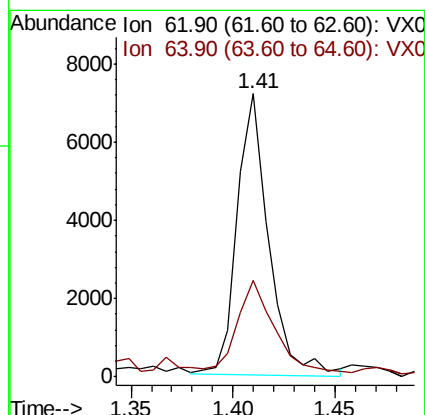
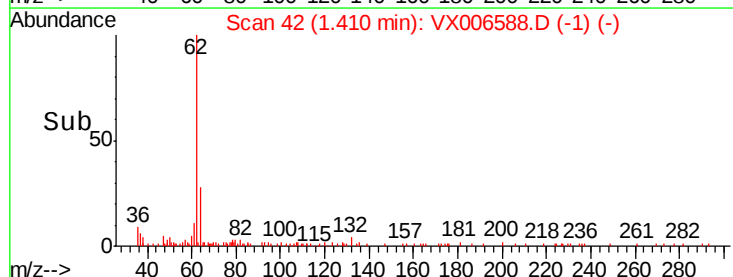
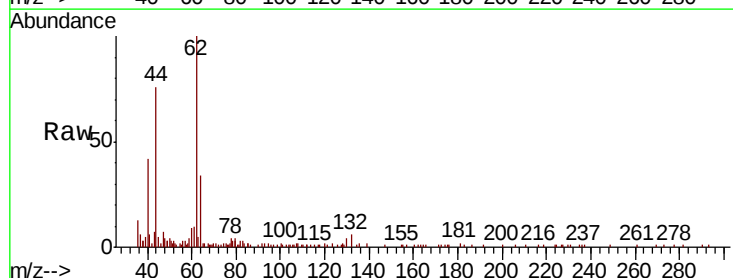
Acq: 18 Dec 2018 10:45

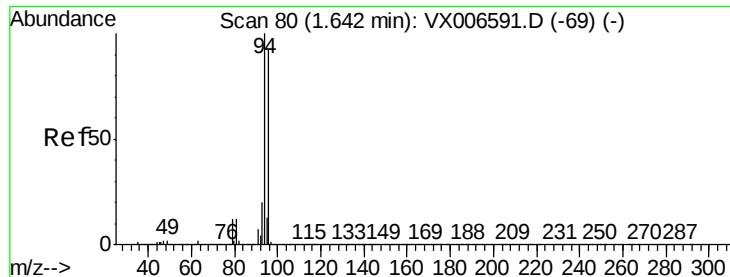
Tgt Ion: 62 Resp: 7727

Ion Ratio Lower Upper

62 100

64 32.5 25.1 37.7





#5

Bromomethane

Concen: 1.417 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.00 min

Lab File: VX006588.D

Acq: 18 Dec 2018 10:45

Instrument :

MSVOA_X

ClientSampleId :

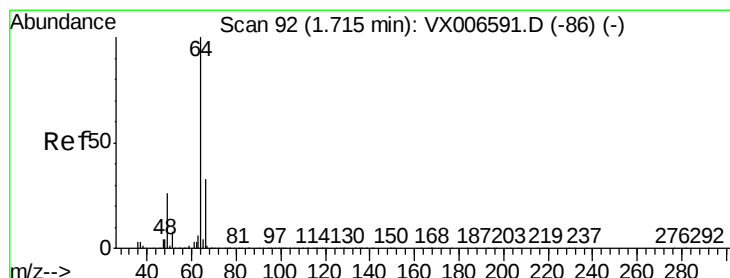
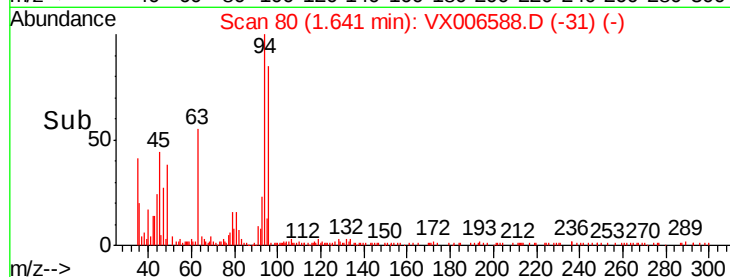
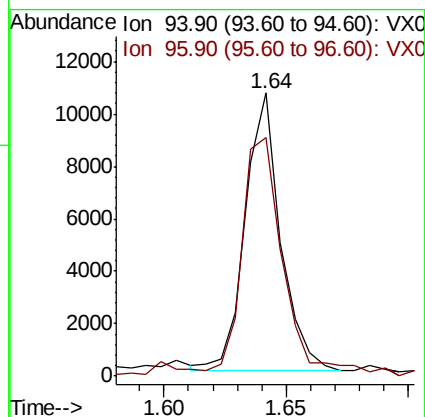
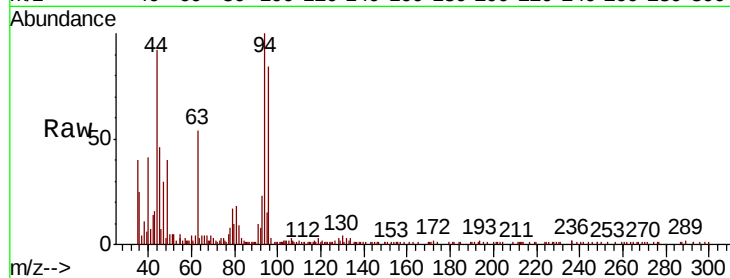
VSTDIC001

Tgt Ion: 94 Resp: 10637

Ion Ratio Lower Upper

94 100

96 83.6 73.4 110.2



#6

Chloroethane

Concen: 1.024 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX006588.D

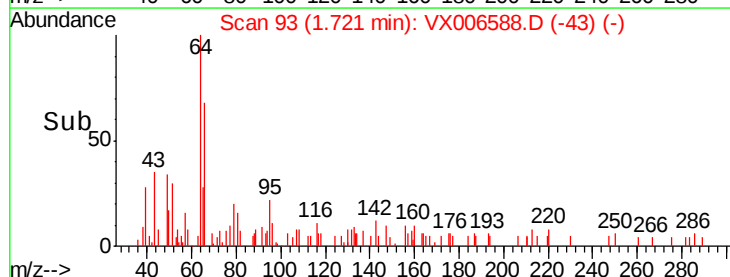
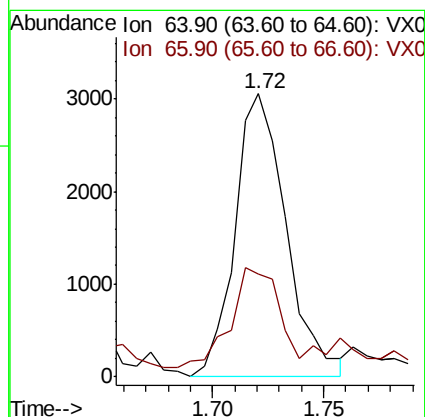
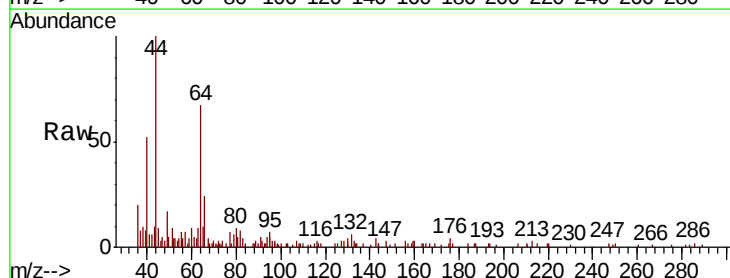
Acq: 18 Dec 2018 10:45

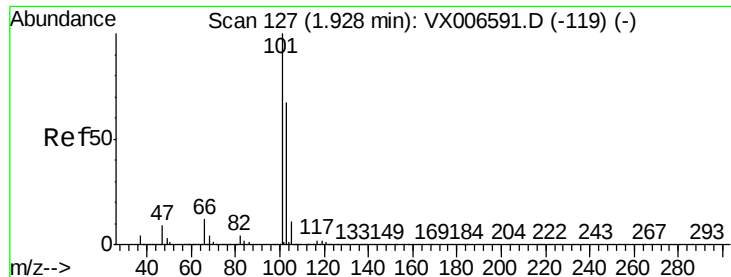
Tgt Ion: 64 Resp: 4895

Ion Ratio Lower Upper

64 100

66 30.8 26.4 39.6



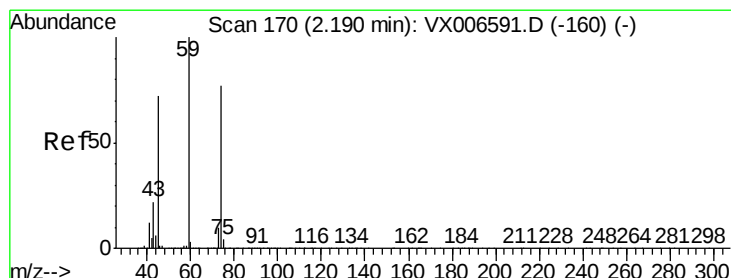
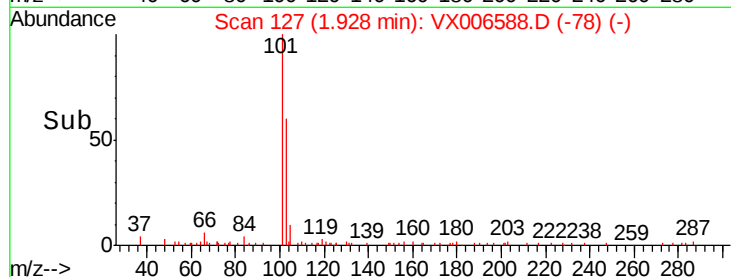
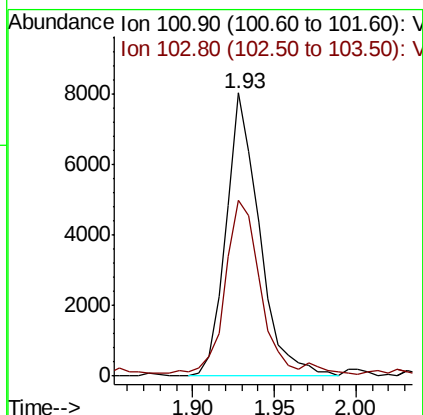
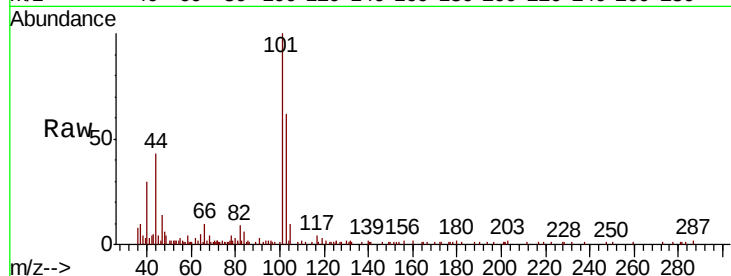


#7

Trichlorofluoromethane
Concen: 1.057 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX006588.D
Acq: 18 Dec 2018 10:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

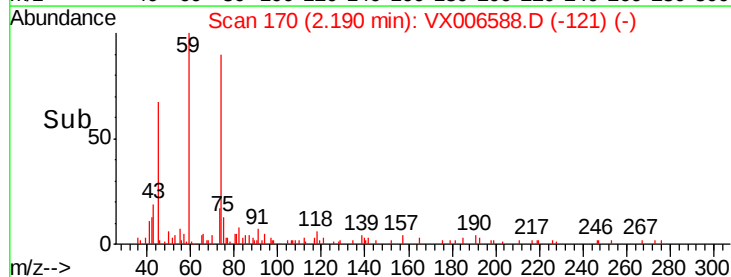
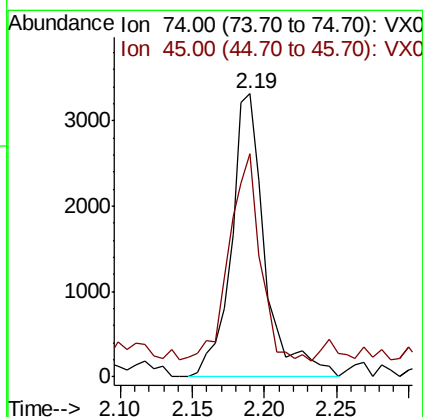
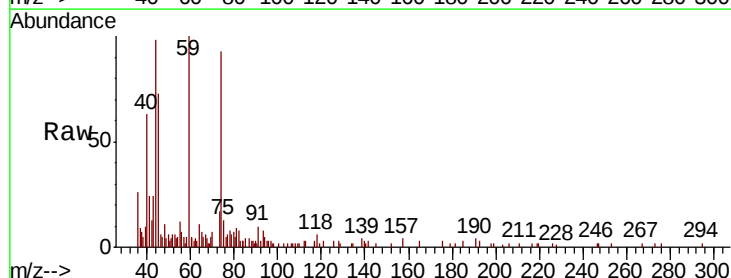
Tgt Ion:101 Resp: 11372
Ion Ratio Lower Upper
101 100
103 60.7 53.2 79.8

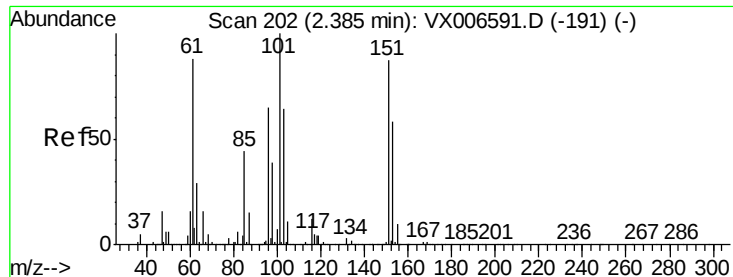


#8

Diethyl Ether
Concen: 1.266 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX006588.D
Acq: 18 Dec 2018 10:45

Tgt Ion: 74 Resp: 5412
Ion Ratio Lower Upper
74 100
45 67.3 46.3 138.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.143 ug/l

RT: 2.39 min Scan# 203

Delta R.T. 0.01 min

Lab File: VX006588.D

Acq: 18 Dec 2018 10:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

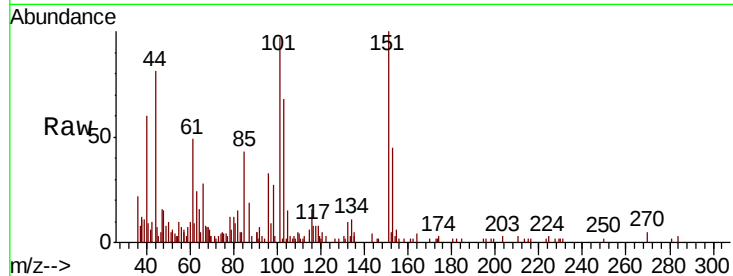
Tgt Ion:101 Resp: 7223

Ion Ratio Lower Upper

101 100

85 51.0 35.1 52.7

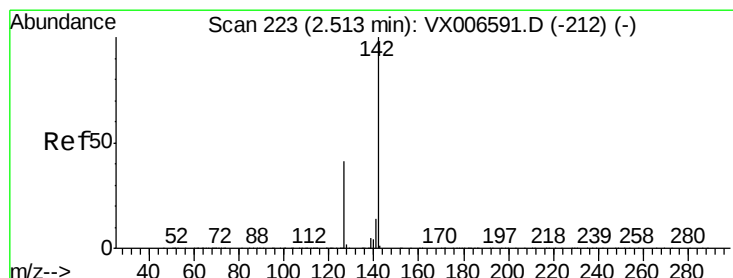
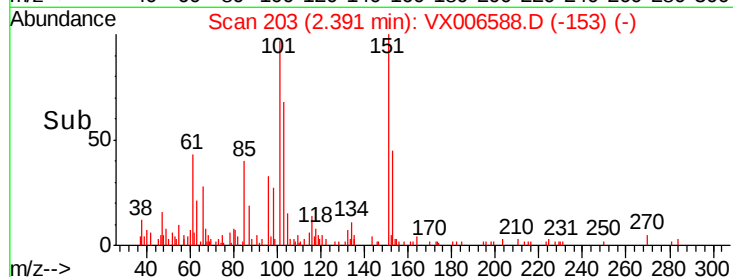
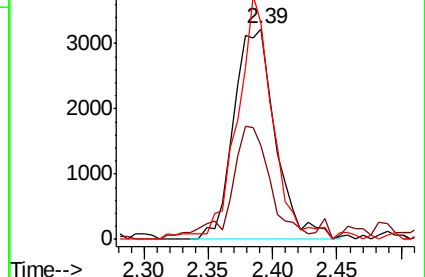
151 98.3 68.9 103.3



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: 0.990 ug/l

RT: 2.51 min Scan# 223

Delta R.T. -0.00 min

Lab File: VX006588.D

Acq: 18 Dec 2018 10:45

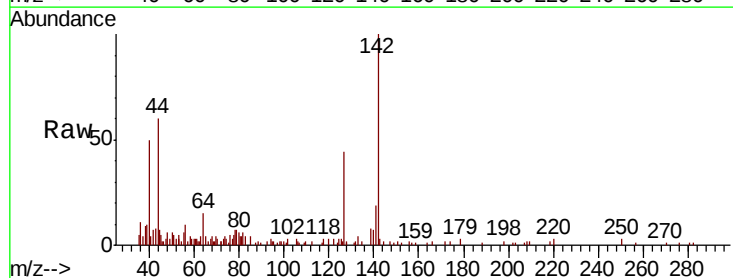
Tgt Ion:142 Resp: 8954

Ion Ratio Lower Upper

142 100

127 46.4 33.9 50.9

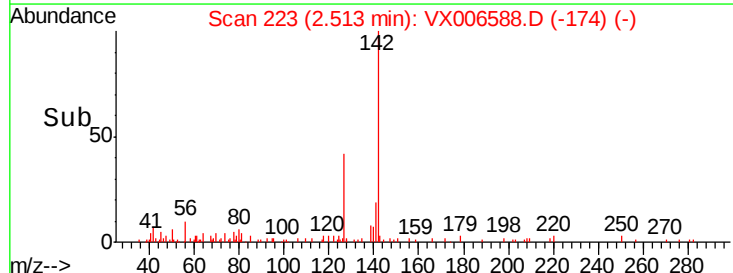
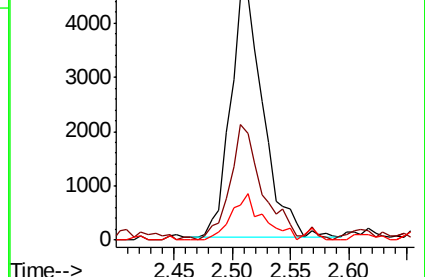
141 18.1 11.4 17.0#

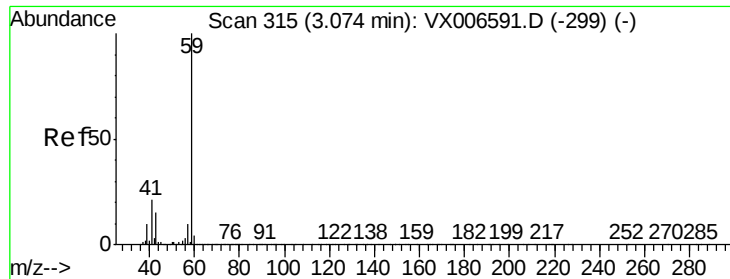


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

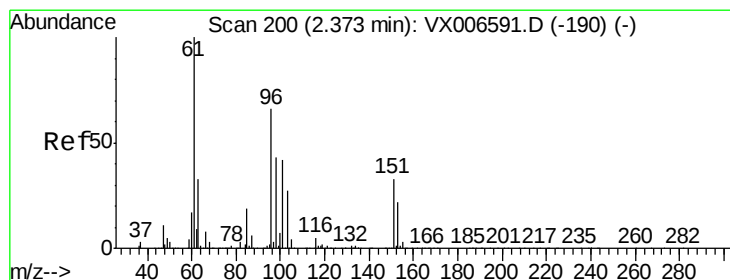
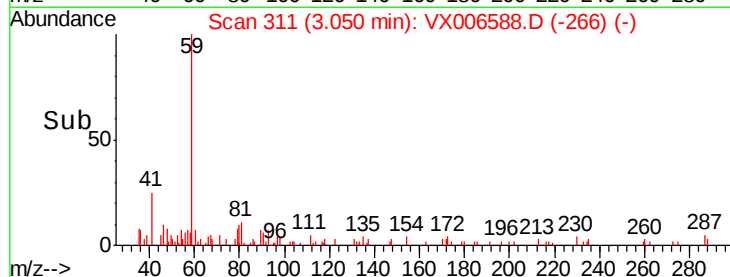
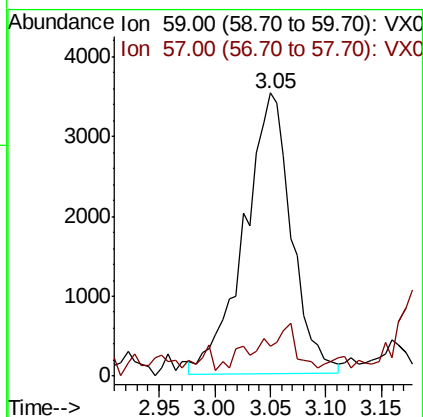
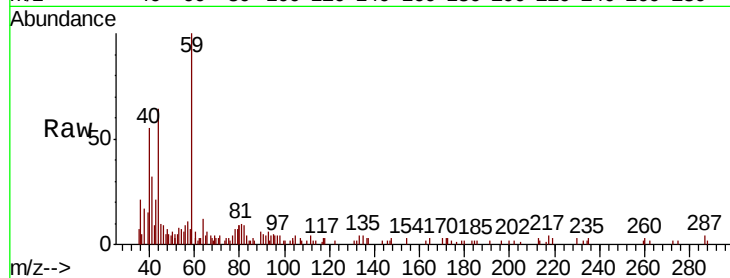




#11
Tert butyl alcohol
Concen: 6.440 ug/l
RT: 3.05 min Scan# 311
Delta R.T. -0.02 min
Lab File: VX006588.D
Acq: 18 Dec 2018 10:45

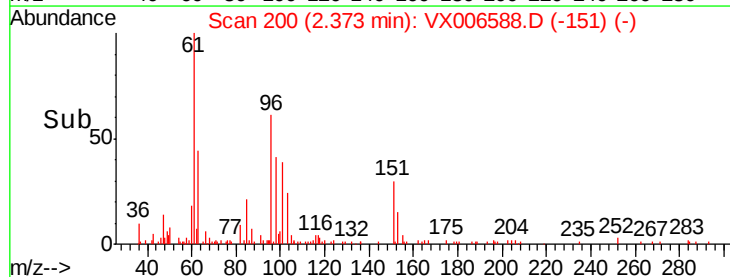
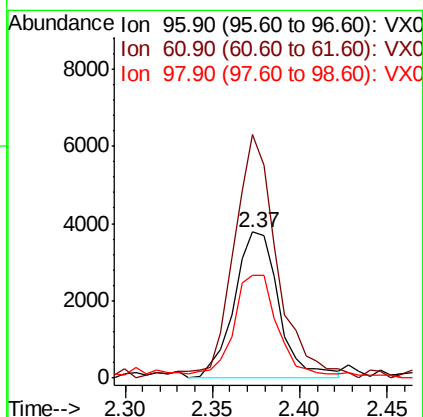
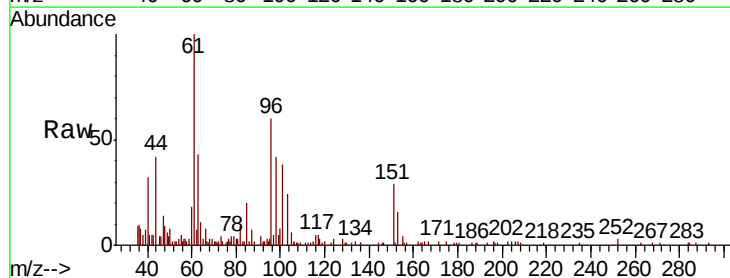
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

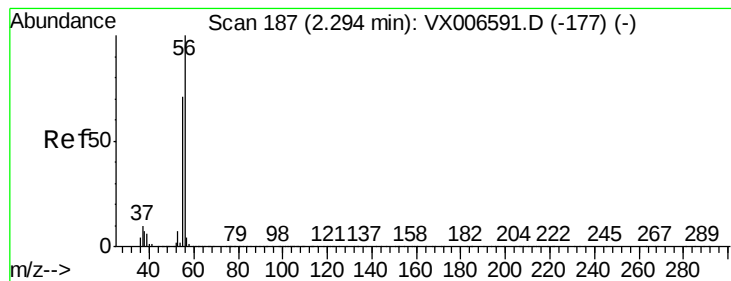
Tgt Ion: 59 Resp: 10388
Ion Ratio Lower Upper
59 100
57 9.7 8.5 12.7



#12
1,1-Dichloroethene
Concen: 1.128 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX006588.D
Acq: 18 Dec 2018 10:45

Tgt Ion: 96 Resp: 6761
Ion Ratio Lower Upper
96 100
61 162.7 121.4 182.2
98 68.0 51.9 77.9





#13

Acrolein

Concen: 5.951 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX006588.D

Acq: 18 Dec 2018 10:45

Instrument :

MSVOA_X

ClientSampleId :

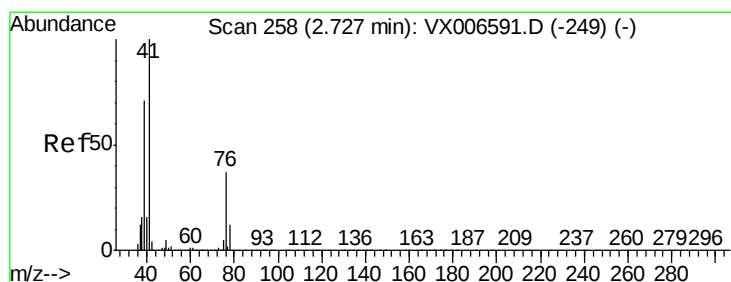
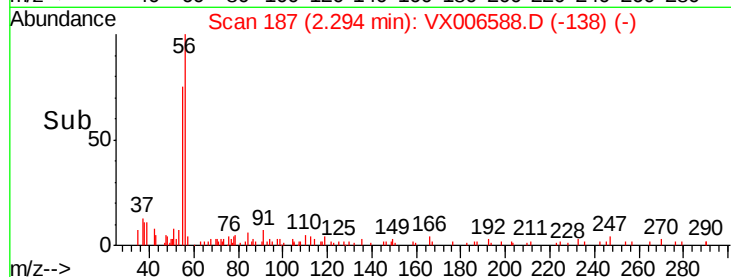
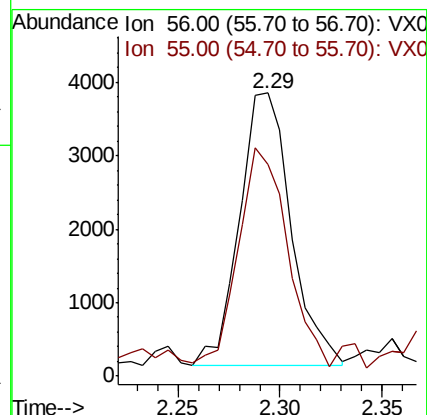
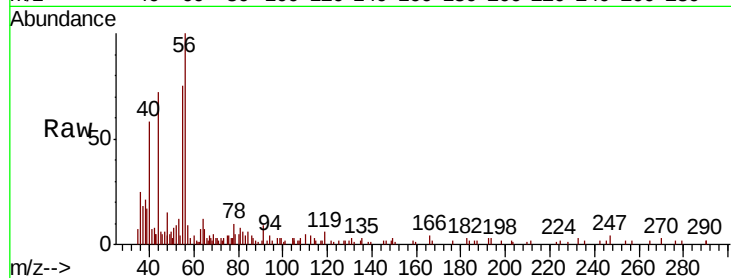
VSTDIC001

Tgt Ion: 56 Resp: 6476

Ion Ratio Lower Upper

56 100

55 76.6 58.2 87.4



#14

Allyl chloride

Concen: 1.044 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX006588.D

Acq: 18 Dec 2018 10:45

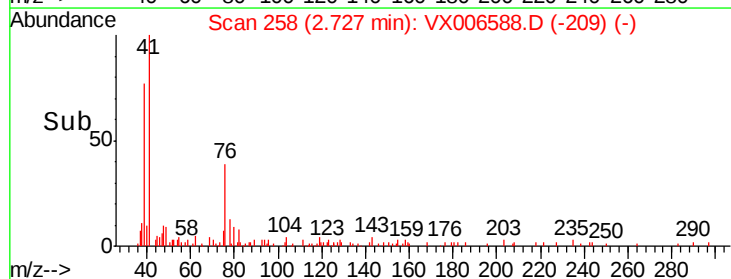
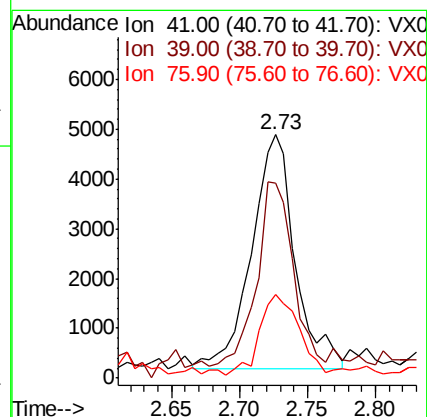
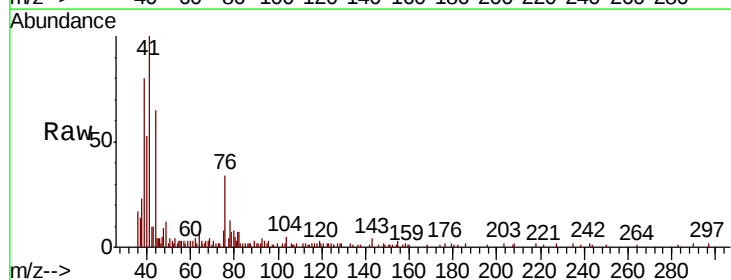
Tgt Ion: 41 Resp: 10534

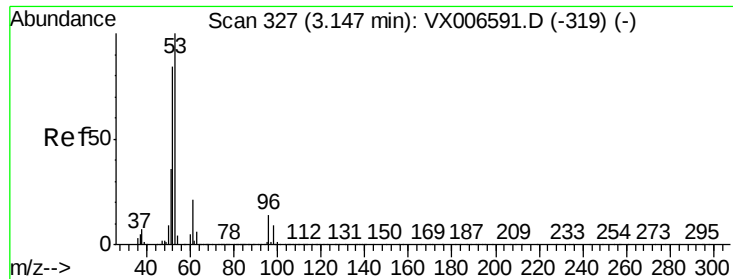
Ion Ratio Lower Upper

41 100

39 65.5 53.6 80.4

76 31.6 27.4 41.2





#15

Acrylonitrile

Concen: 5.097 ug/l

RT: 3.14 min Scan# 325

Delta R.T. -0.01 min

Lab File: VX006588.D

Acq: 18 Dec 2018 10:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

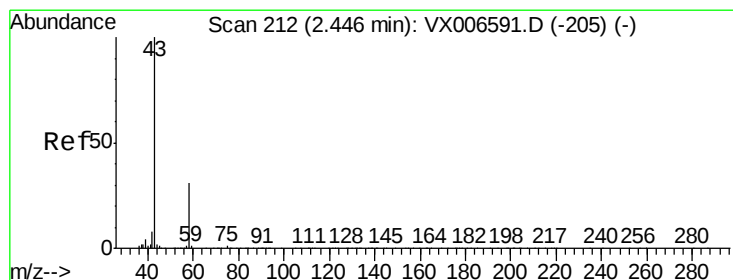
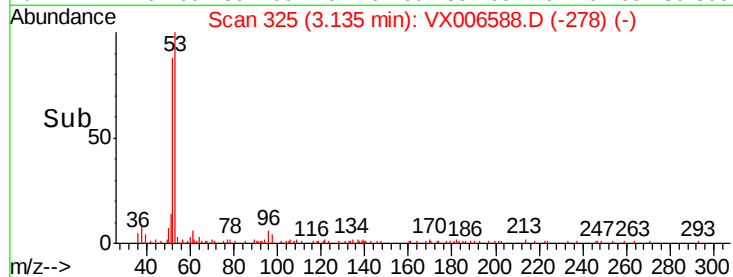
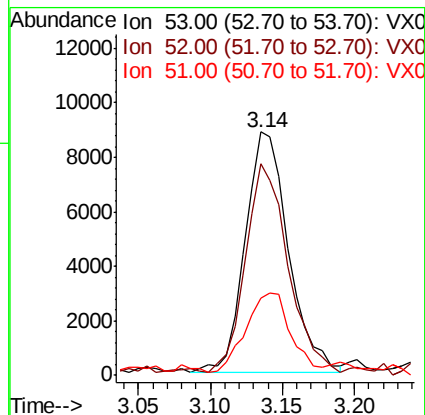
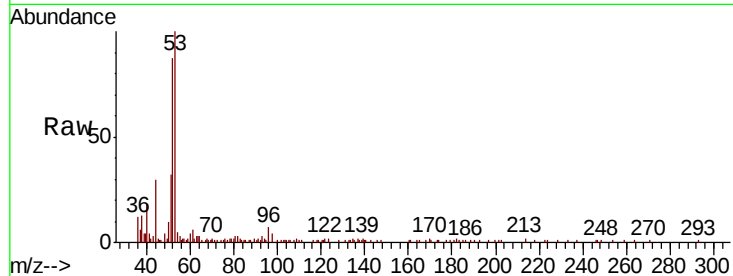
Tgt Ion: 53 Resp: 18256

Ion Ratio Lower Upper

53 100

52 85.7 66.0 99.0

51 33.5 28.6 42.8



#16

Acetone

Concen: 6.139 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX006588.D

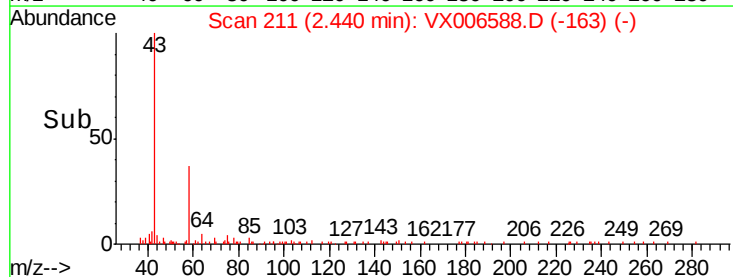
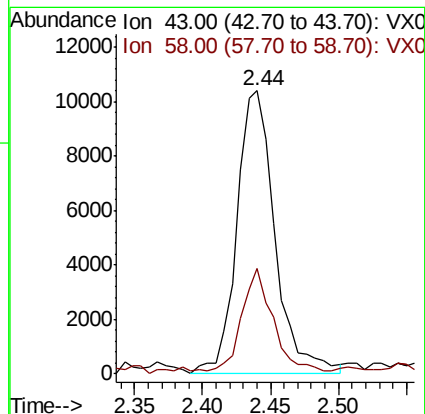
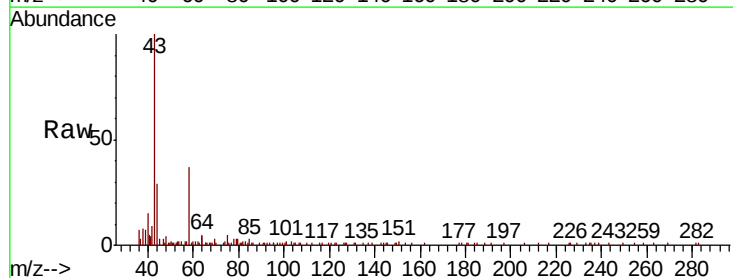
Acq: 18 Dec 2018 10:45

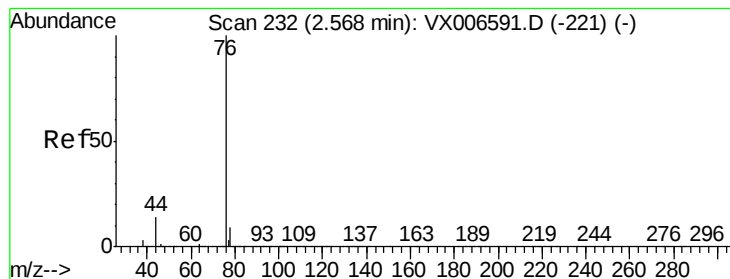
Tgt Ion: 43 Resp: 20387

Ion Ratio Lower Upper

43 100

58 36.5 25.0 37.6





#17

Carbon Disulfide

Concen: 1.242 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX006588.D

Acq: 18 Dec 2018 10:45

Instrument :

MSVOA_X

ClientSampleId :

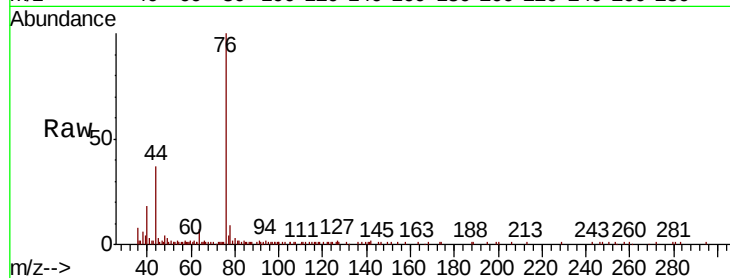
VSTDIC001

Tgt Ion: 76 Resp: 19694

Ion Ratio Lower Upper

76 100

78 7.4 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

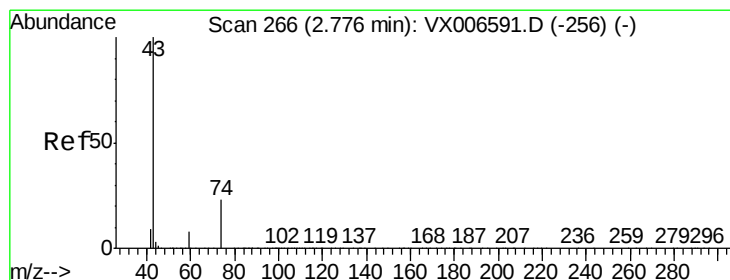
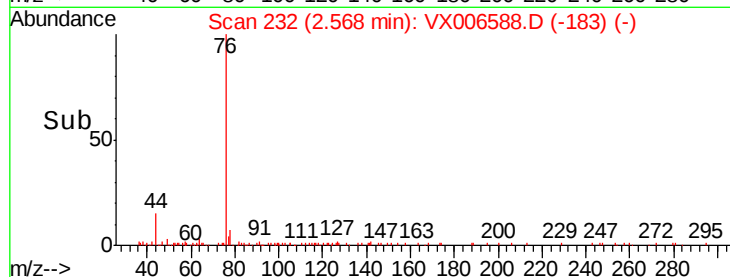
10000

5000

0

Time-->

2.50 2.55 2.60 2.65



#18

Methyl Acetate

Concen: 1.092 ug/l

RT: 2.77 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX006588.D

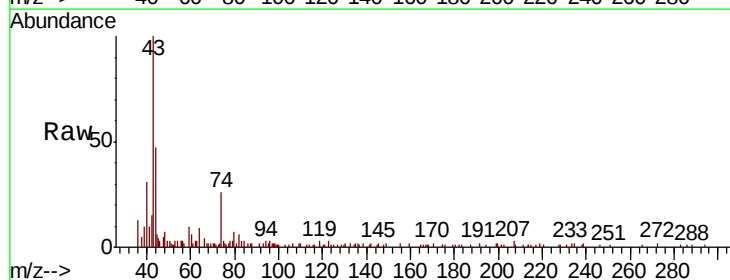
Acq: 18 Dec 2018 10:45

Tgt Ion: 43 Resp: 10662

Ion Ratio Lower Upper

43 100

74 24.8 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.77

6000

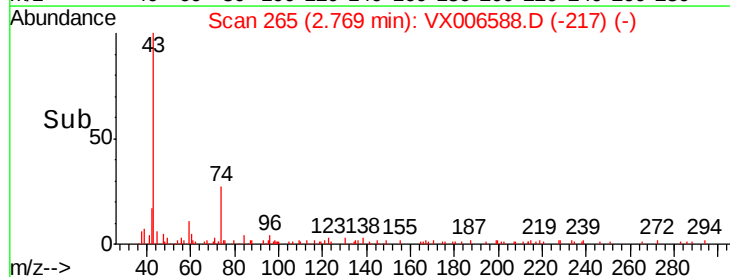
4000

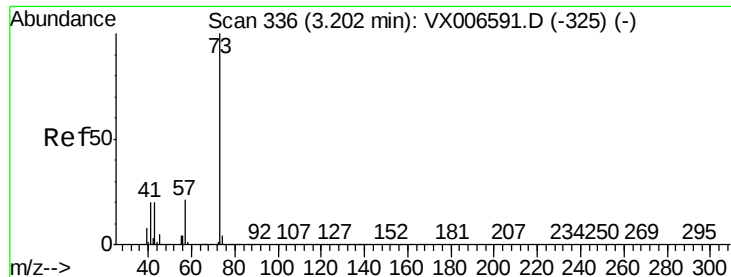
2000

0

Time-->

2.70 2.75 2.80 2.85



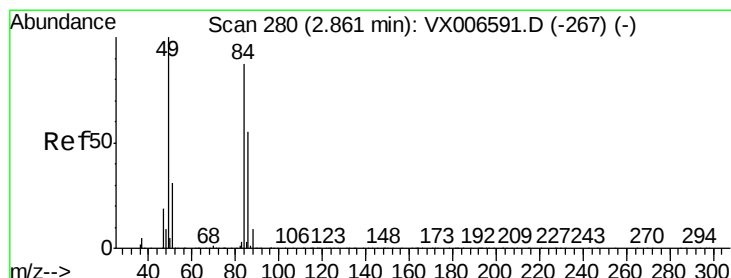
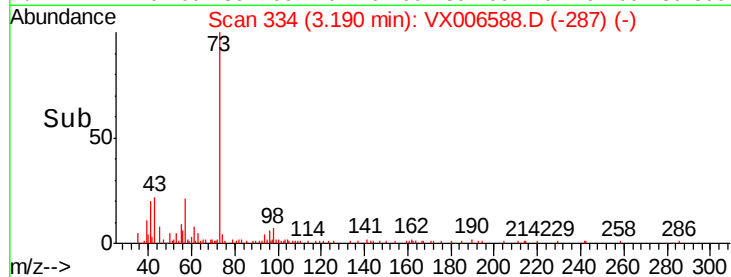
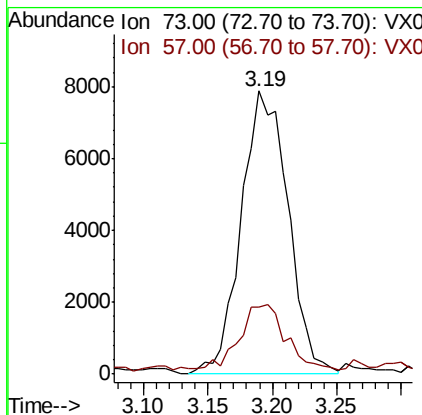
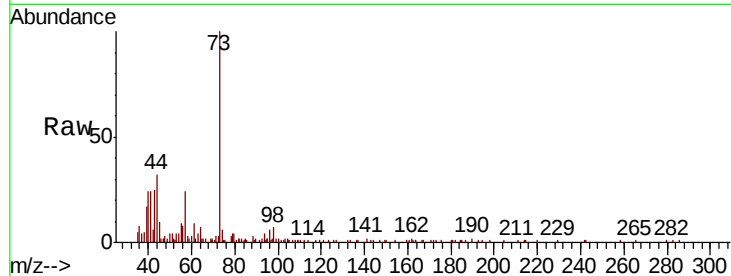


#19

Methyl tert-butyl Ether
 Concen: 1.000 ug/l
 RT: 3.19 min Scan# 334
 Delta R.T. -0.01 min
 Lab File: VX006588.D
 Acq: 18 Dec 2018 10:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

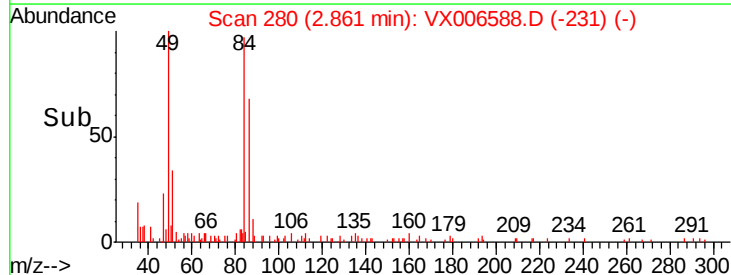
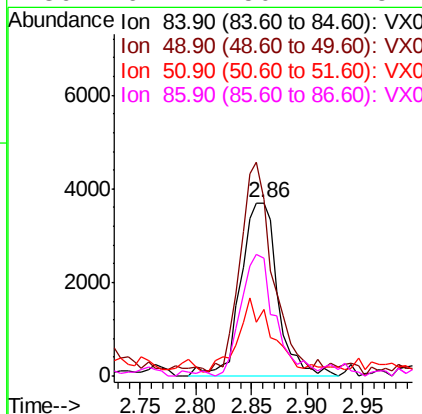
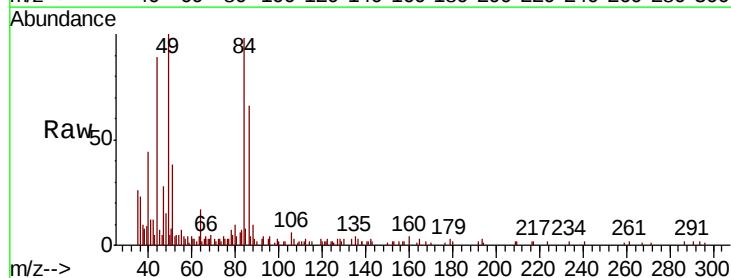
Tgt Ion: 73 Resp: 19887
 Ion Ratio Lower Upper
 73 100
 57 22.2 16.8 25.2

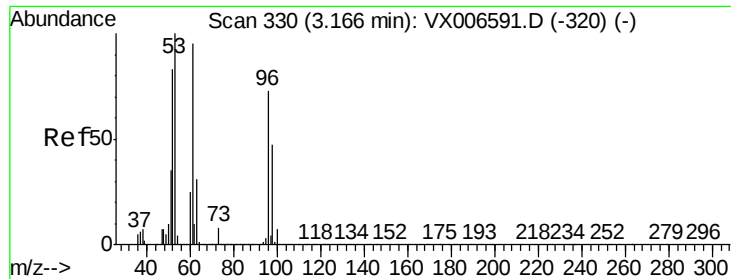


#20

Methylene Chloride
 Concen: 1.239 ug/l
 RT: 2.86 min Scan# 280
 Delta R.T. -0.00 min
 Lab File: VX006588.D
 Acq: 18 Dec 2018 10:45

Tgt Ion: 84 Resp: 8509
 Ion Ratio Lower Upper
 84 100
 49 97.7 91.8 137.6
 51 33.6 28.5 42.7
 86 64.4 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 1.292 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX006588.D

Acq: 18 Dec 2018 10:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

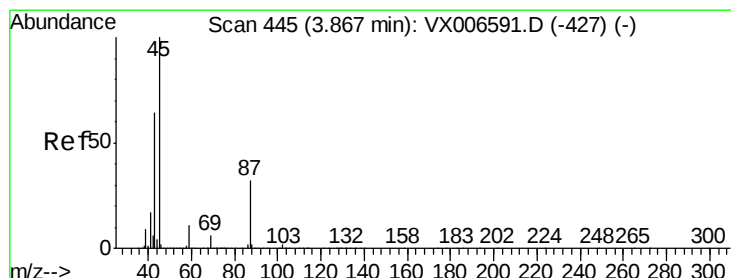
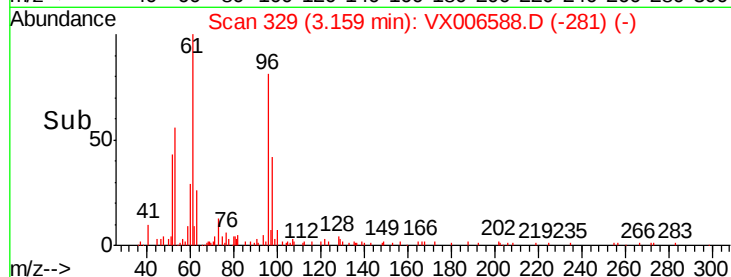
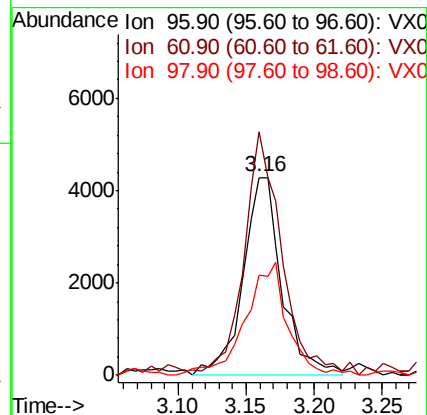
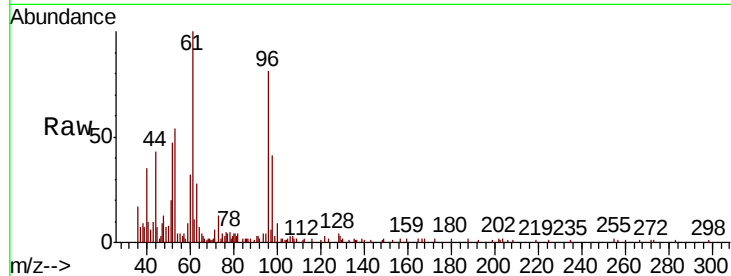
Tgt Ion: 96 Resp: 8575

Ion Ratio Lower Upper

96 100

61 121.0 103.7 155.5

98 49.3 51.0 76.6#



#22

Diisopropyl ether

Concen: 1.007 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.01 min

Lab File: VX006588.D

Acq: 18 Dec 2018 10:45

Tgt Ion: 45 Resp: 18588

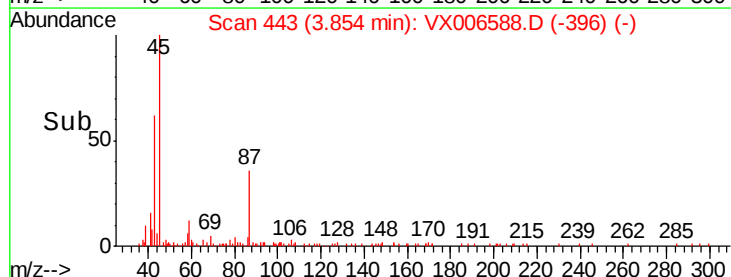
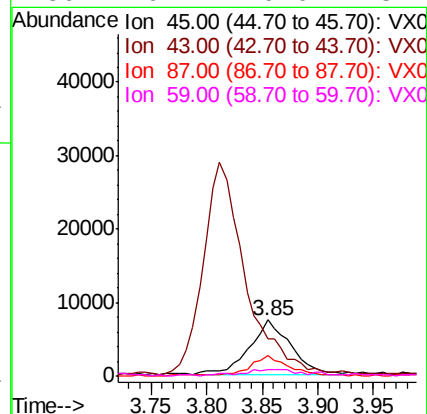
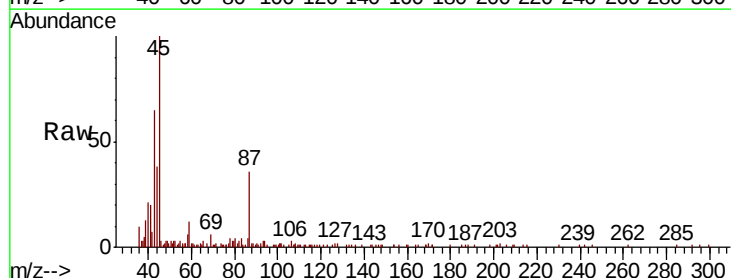
Ion Ratio Lower Upper

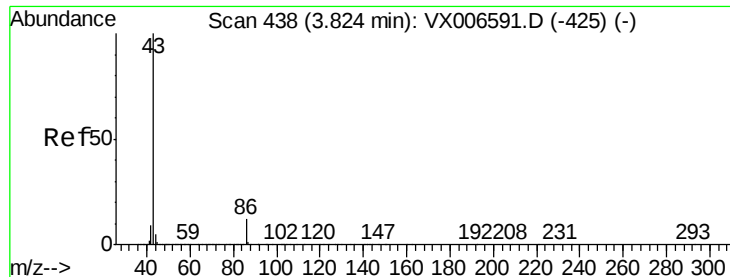
45 100

43 57.7 51.2 76.8

87 35.4 25.8 38.6

59 10.2 9.0 13.4





#23

Vinyl Acetate

Concen: 5.038 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX006588.D

Acq: 18 Dec 2018 10:45

Instrument :

MSVOA_X

ClientSampleId :

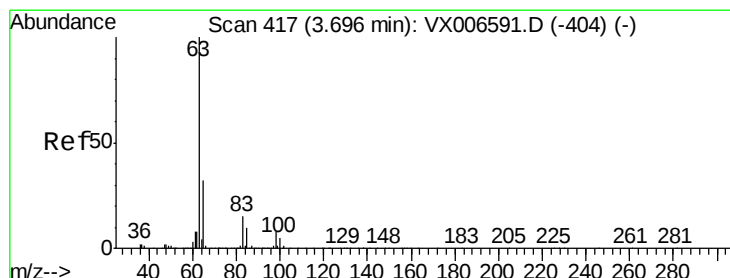
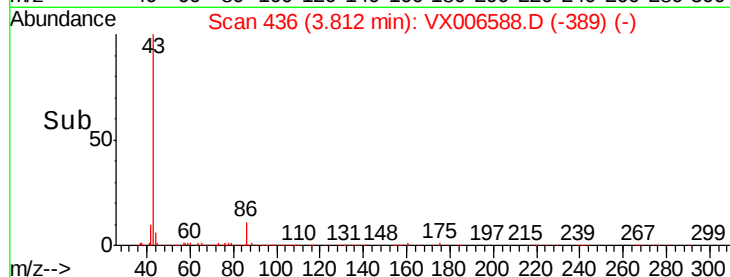
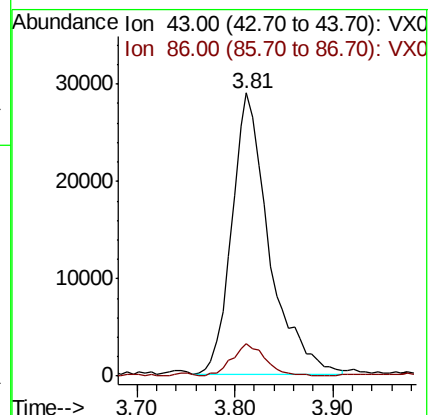
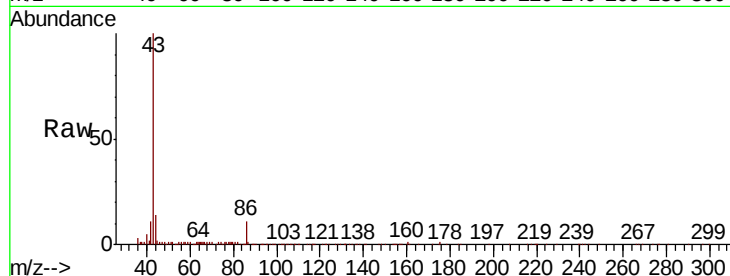
VSTDIC001

Tgt Ion: 43 Resp: 76043

Ion Ratio Lower Upper

43 100

86 11.0 9.2 13.8



#24

1,1-Dichloroethane

Concen: 1.162 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX006588.D

Acq: 18 Dec 2018 10:45

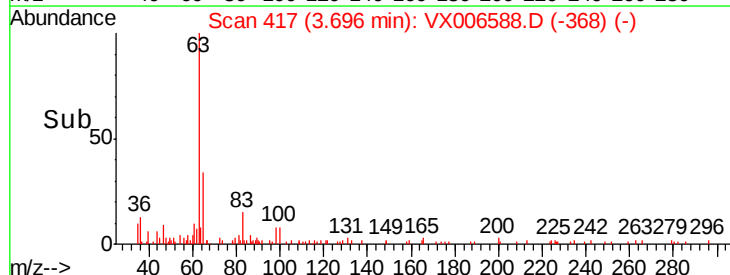
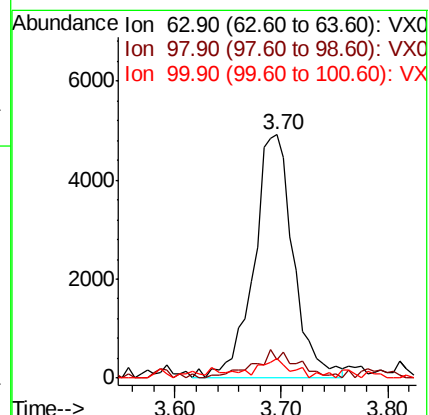
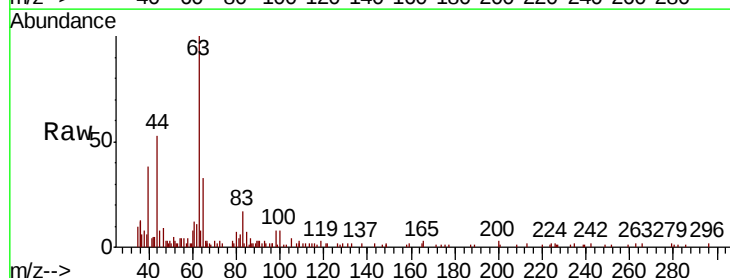
Tgt Ion: 63 Resp: 12799

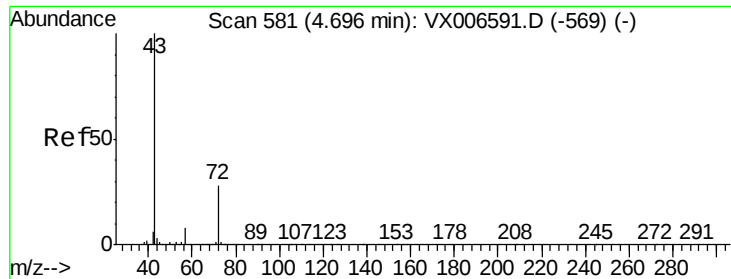
Ion Ratio Lower Upper

63 100

98 7.7 3.9 11.5

100 4.9 2.4 7.2





#25

2-Butanone

Concen: 5.833 ug/l

RT: 4.68 min Scan# 578

Delta R.T. -0.02 min

Lab File: VX006588.D

Acq: 18 Dec 2018 10:45

Instrument :

MSVOA_X

ClientSampleId :

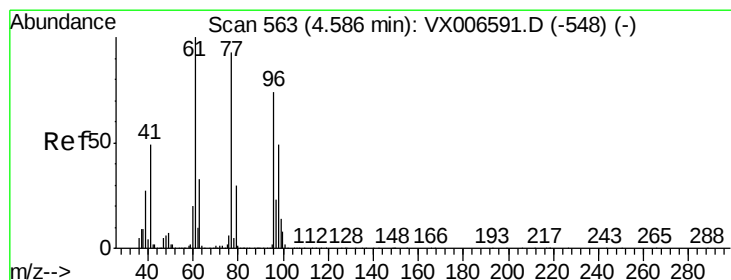
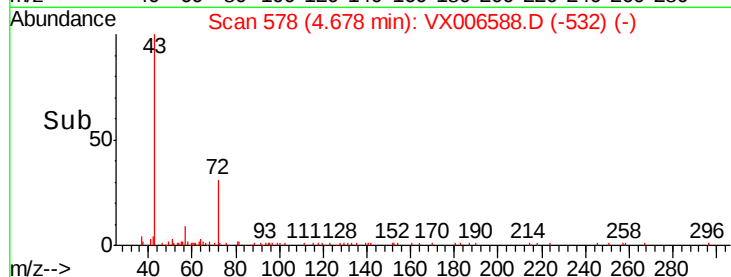
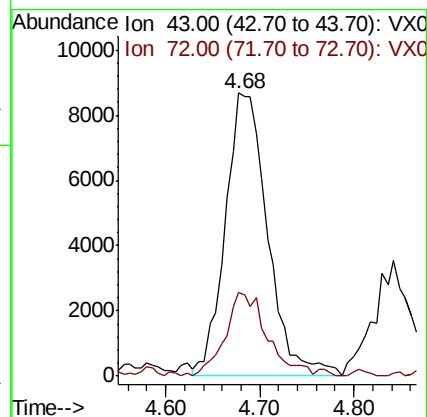
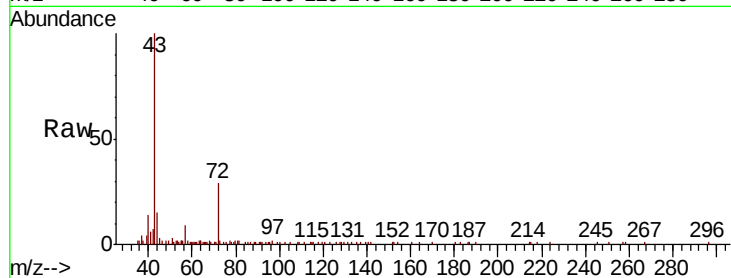
VSTDIC001

Tgt Ion: 43 Resp: 27249

Ion Ratio Lower Upper

43 100

72 29.5 22.4 33.6



#26

2,2-Dichloropropane

Concen: 1.150 ug/l

RT: 4.57 min Scan# 560

Delta R.T. -0.02 min

Lab File: VX006588.D

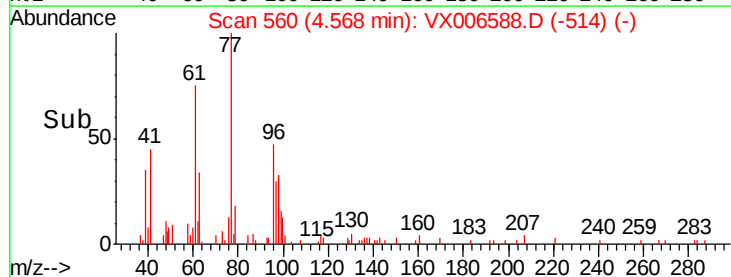
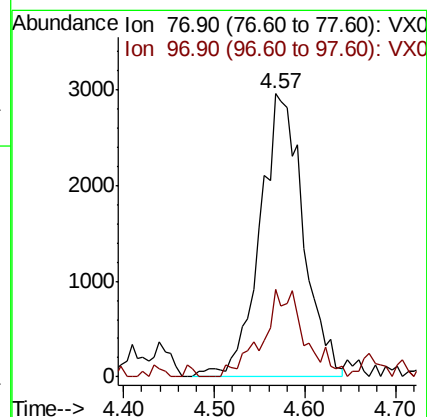
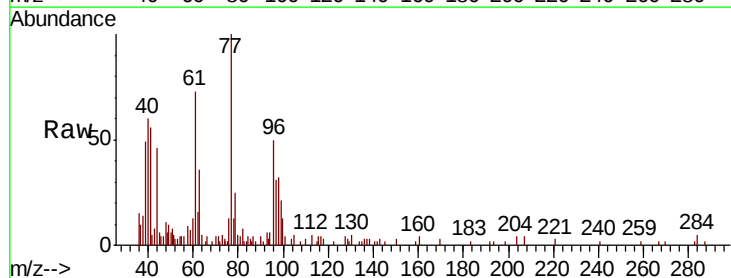
Acq: 18 Dec 2018 10:45

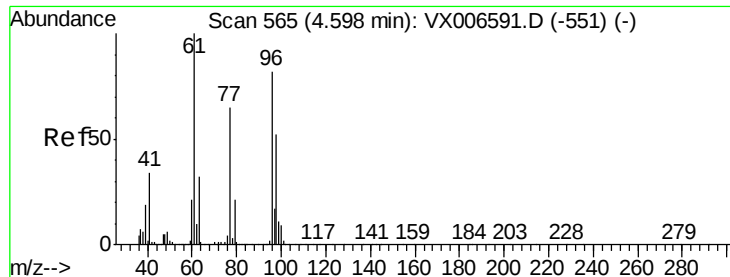
Tgt Ion: 77 Resp: 9781

Ion Ratio Lower Upper

77 100

97 30.1 12.4 37.4



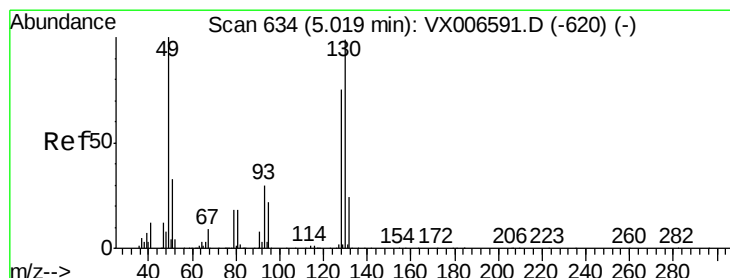
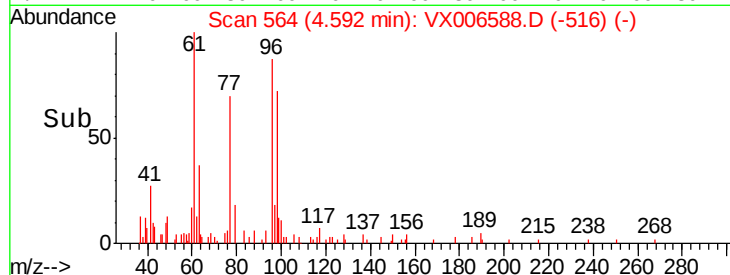
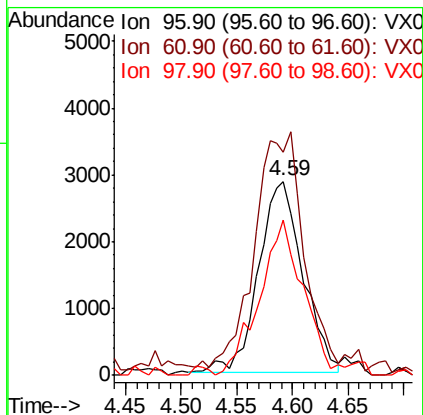
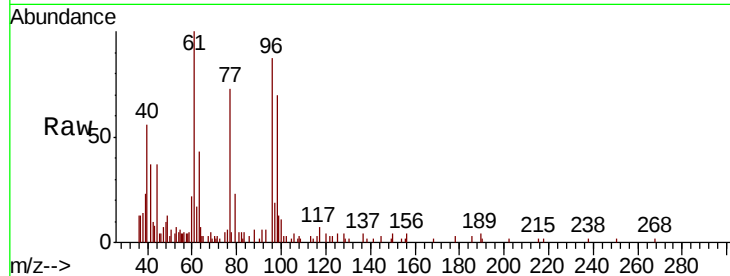


#27

cis-1,2-Dichloroethene
 Concen: 1.072 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VX006588.D
 Acq: 18 Dec 2018 10:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

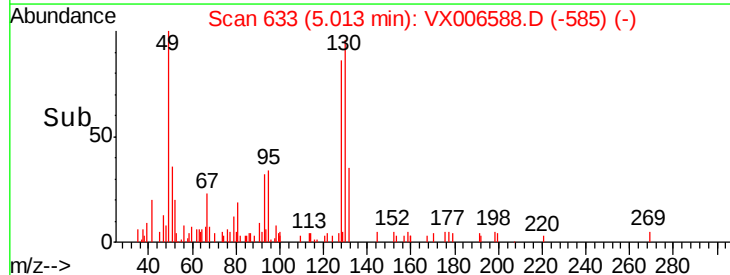
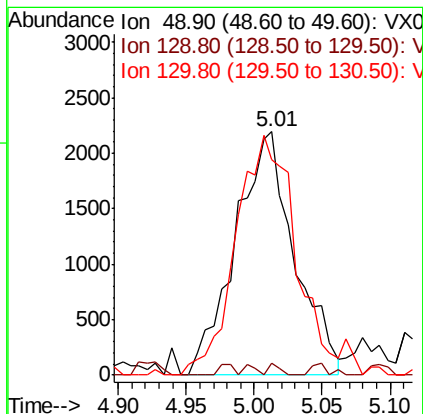
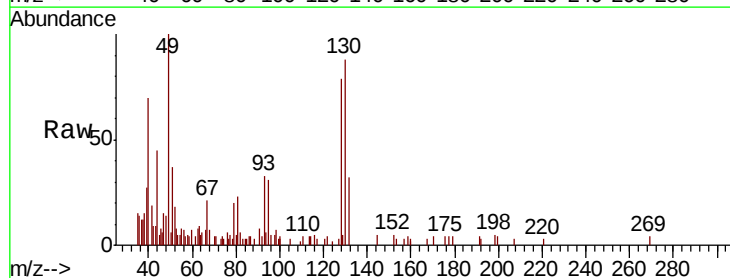
Tgt Ion: 96 Resp: 7852
 Ion Ratio Lower Upper
 96 100
 61 136.9 0.0 258.6
 98 81.5 0.0 132.0

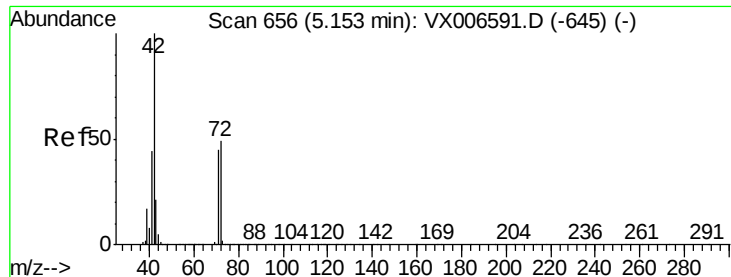


#28

Bromochloromethane
 Concen: 1.319 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. -0.01 min
 Lab File: VX006588.D
 Acq: 18 Dec 2018 10:45

Tgt Ion: 49 Resp: 6681
 Ion Ratio Lower Upper
 49 100
 129 0.9 0.0 5.4
 130 98.6 77.7 116.5





#29

Tetrahydrofuran

Concen: 5.738 ug/l

RT: 5.14 min Scan# 654

Delta R.T. -0.01 min

Lab File: VX006588.D

Acq: 18 Dec 2018 10:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

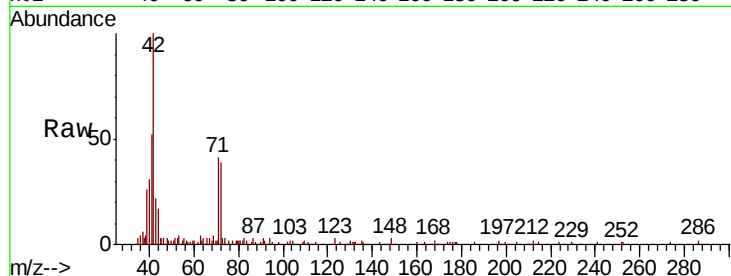
Tgt Ion: 42 Resp: 17655

Ion Ratio Lower Upper

42 100

72 47.5 38.9 58.3

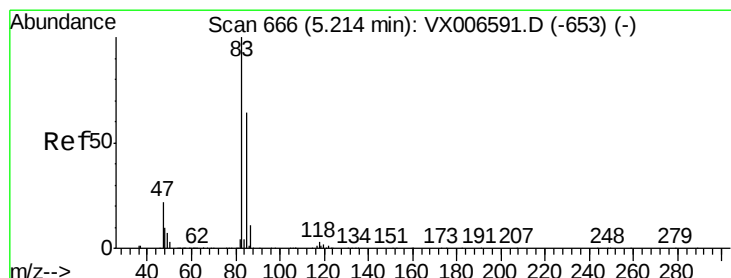
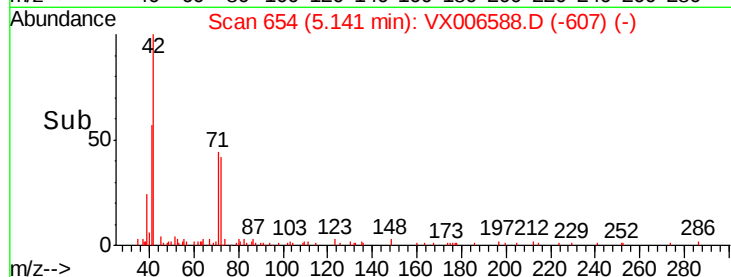
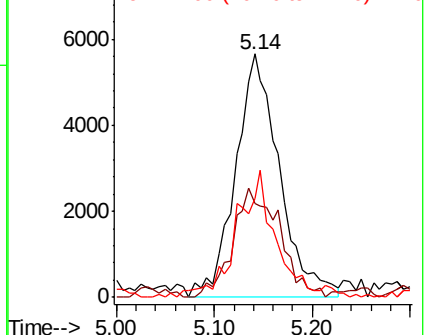
71 46.0 36.2 54.4



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: 1.137 ug/l

RT: 5.20 min Scan# 664

Delta R.T. -0.01 min

Lab File: VX006588.D

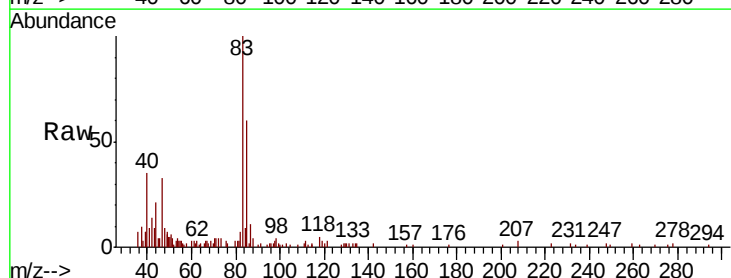
Acq: 18 Dec 2018 10:45

Tgt Ion: 83 Resp: 12973

Ion Ratio Lower Upper

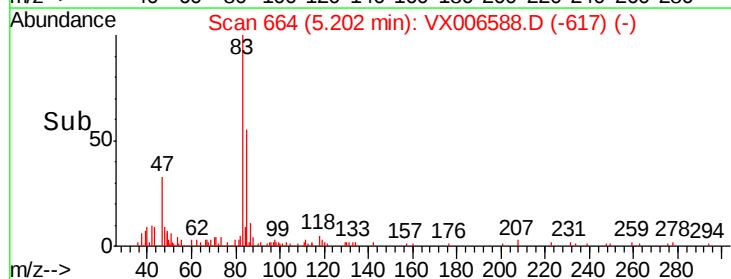
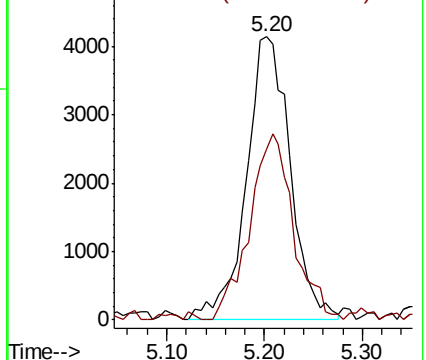
83 100

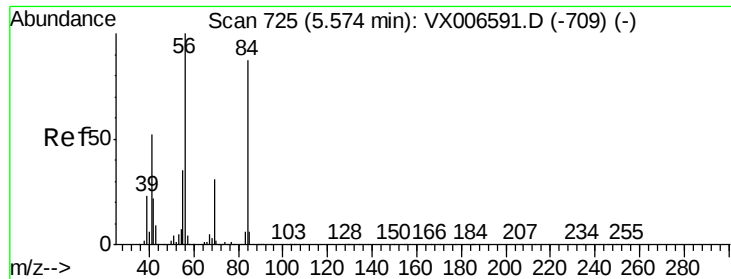
85 58.3 51.2 76.8



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

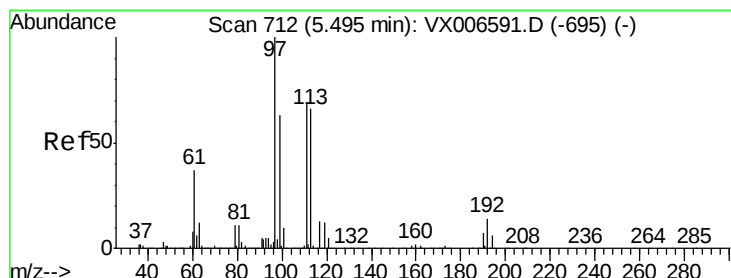
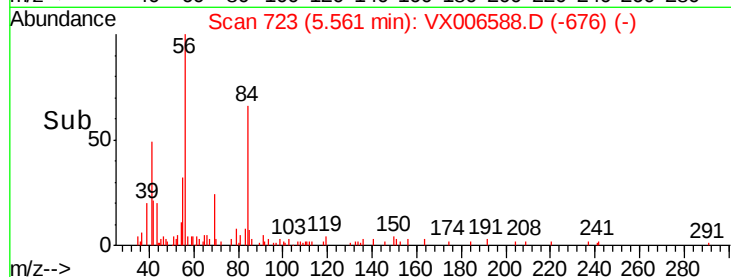
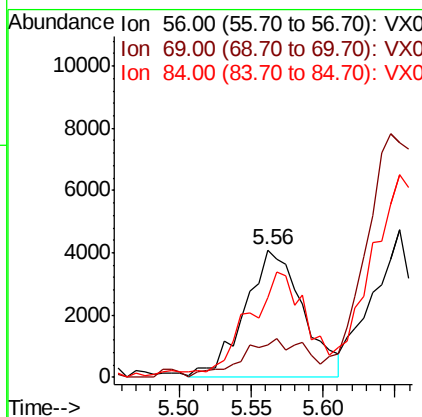
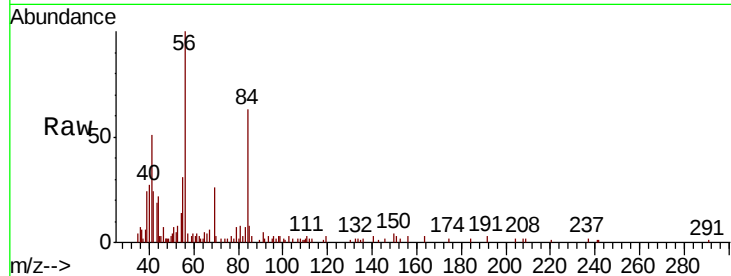




#31
Cyclohexane
Concen: 1.151 ug/l
RT: 5.56 min Scan# 723
Delta R.T. -0.01 min
Lab File: VX006588.D
Acq: 18 Dec 2018 10:45

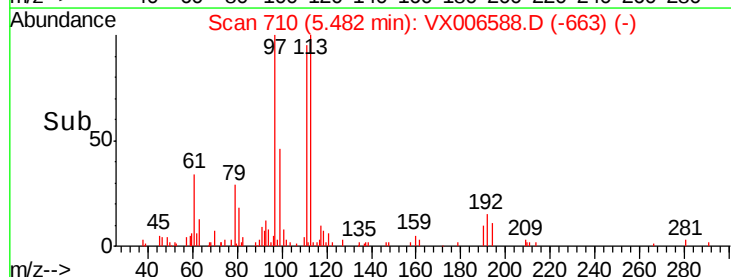
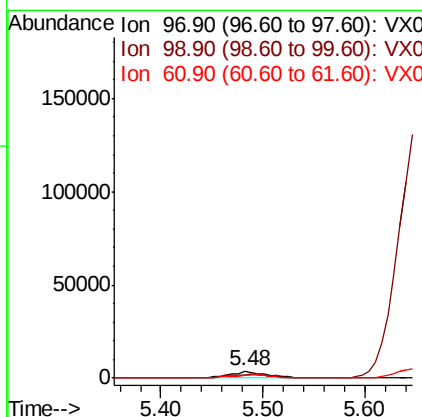
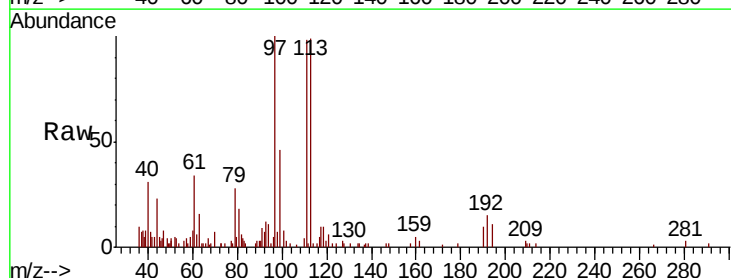
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

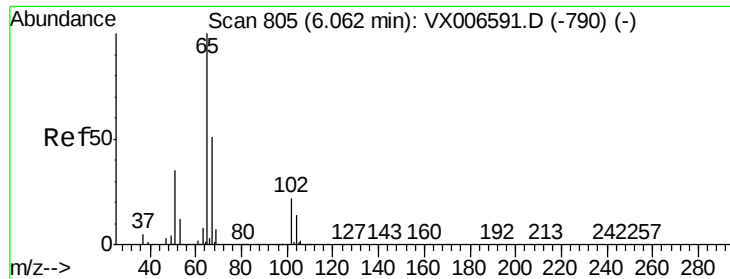
Tgt Ion: 56 Resp: 11515
Ion Ratio Lower Upper
56 100
69 26.5 24.4 36.6
84 60.2 70.0 105.0#



#32
1,1,1-Trichloroethane
Concen: 0.998 ug/l
RT: 5.48 min Scan# 710
Delta R.T. -0.01 min
Lab File: VX006588.D
Acq: 18 Dec 2018 10:45

Tgt Ion: 97 Resp: 9608
Ion Ratio Lower Upper
97 100
99 0.0 51.7 77.5#
61 54.6 31.3 46.9#





#33

1,2-Dichloroethane-d4

Concen: 2.247 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX006588.D

Acq: 18 Dec 2018 10:45

Instrument :

MSVOA_X

ClientSampleId :

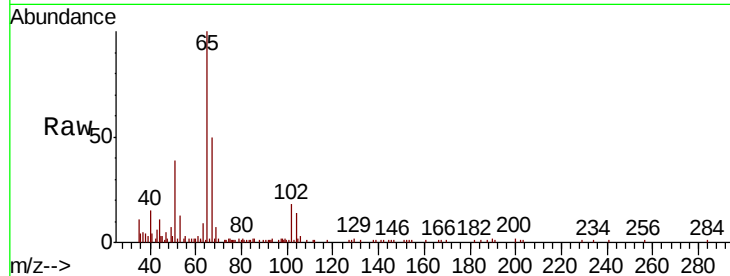
VSTDIC001

Tgt Ion: 65 Resp: 16239

Ion Ratio Lower Upper

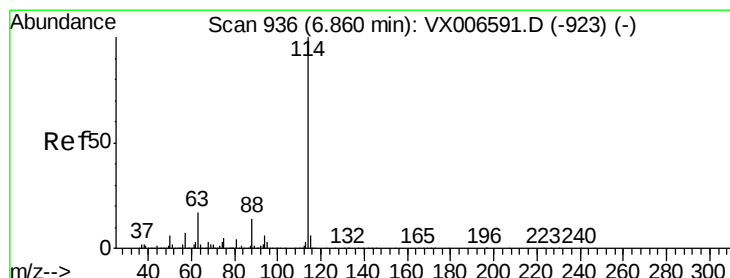
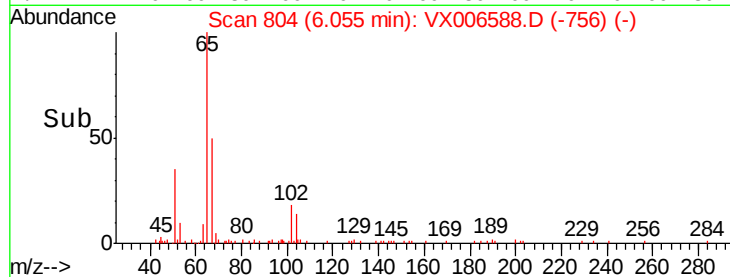
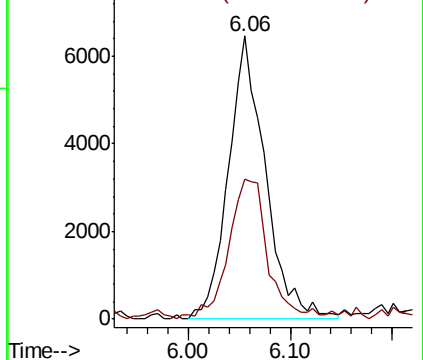
65 100

67 52.7 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX006588.D

Acq: 18 Dec 2018 10:45

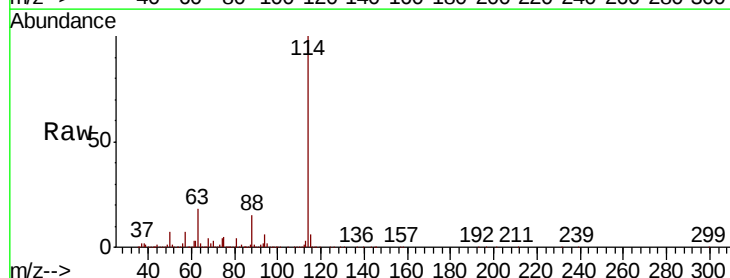
Tgt Ion: 114 Resp: 1047998

Ion Ratio Lower Upper

114 100

63 18.2 0.0 34.8

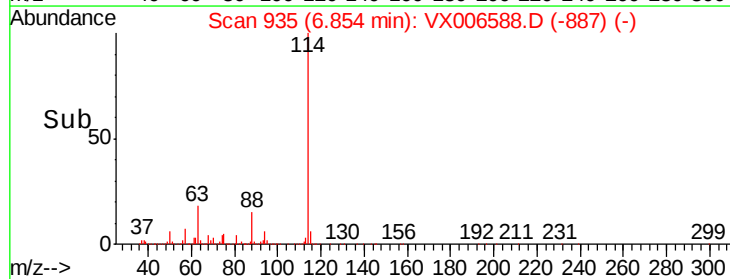
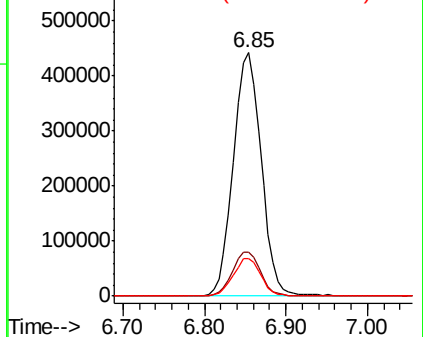
88 15.5 0.0 28.8

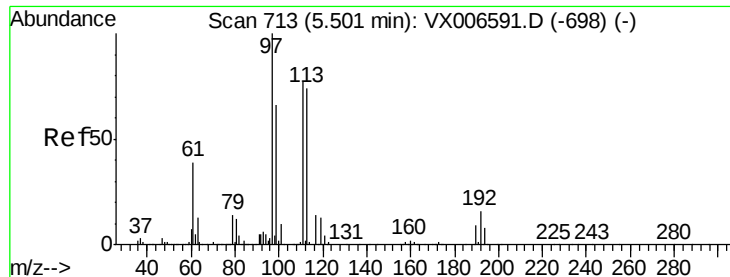


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 1.977 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX006588.D

Acq: 18 Dec 2018 10:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

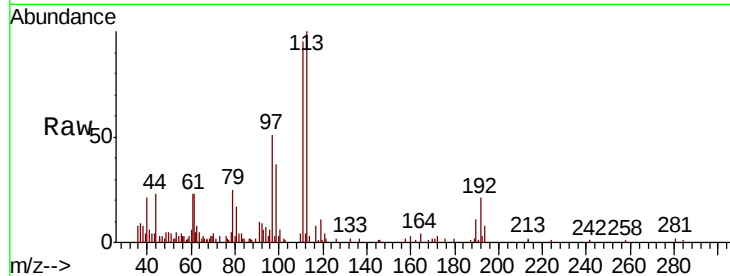
Tgt Ion:113 Resp: 13104

Ion Ratio Lower Upper

113 100

111 99.8 81.6 122.4

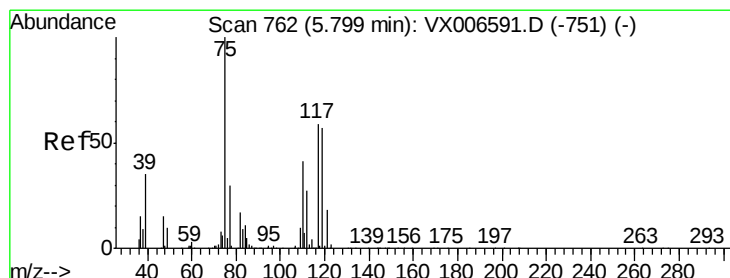
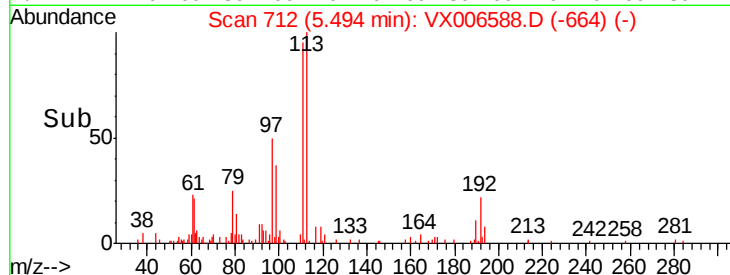
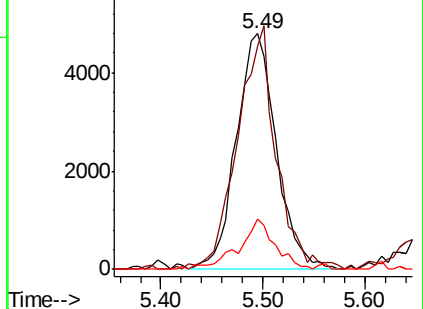
192 19.3 16.7 25.1



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: 1.082 ug/l

RT: 5.79 min Scan# 761

Delta R.T. -0.01 min

Lab File: VX006588.D

Acq: 18 Dec 2018 10:45

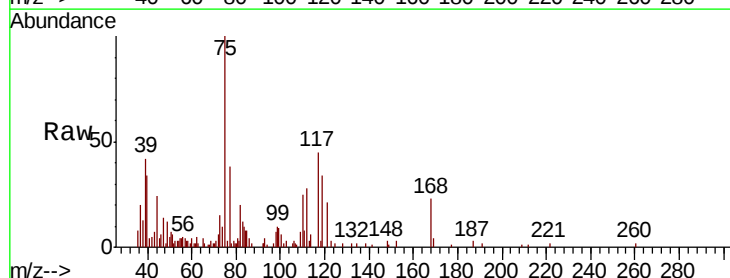
Tgt Ion: 75 Resp: 9391

Ion Ratio Lower Upper

75 100

110 45.6 20.2 60.5

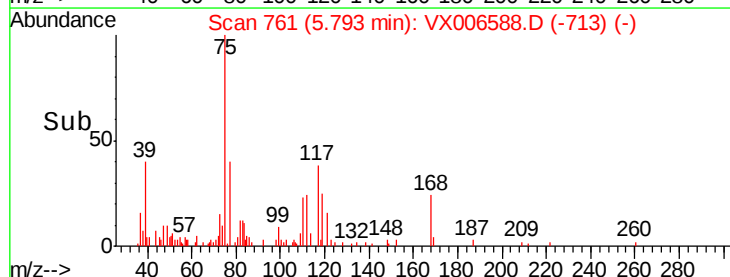
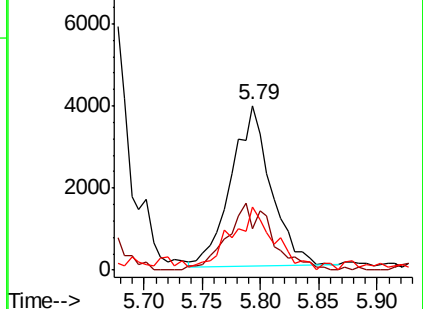
77 41.8 24.8 37.2#

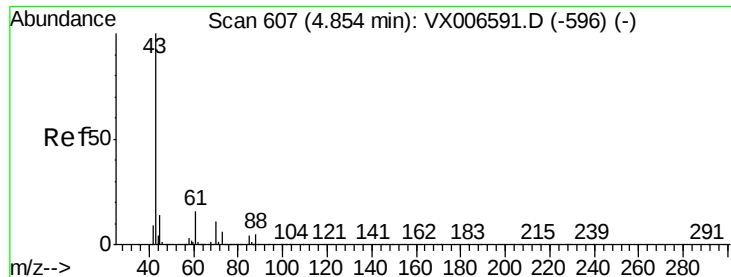


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

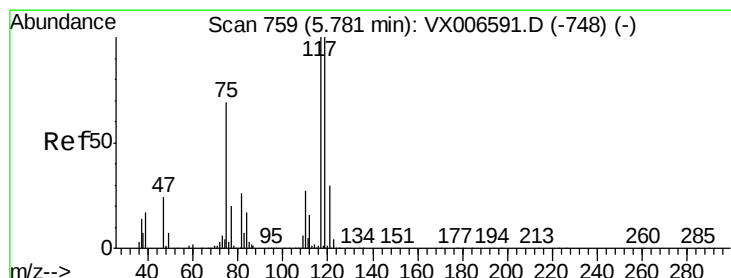
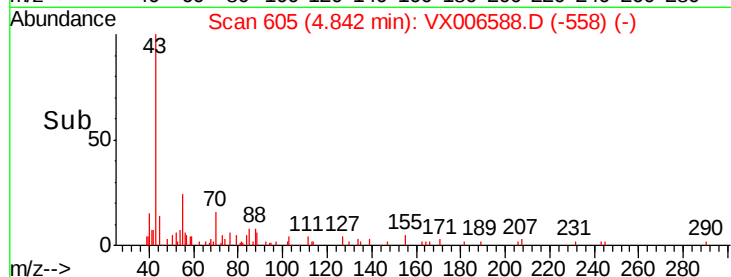
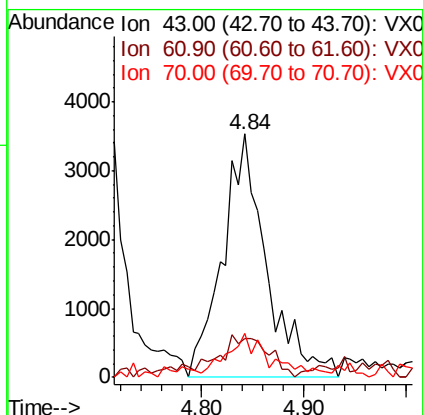
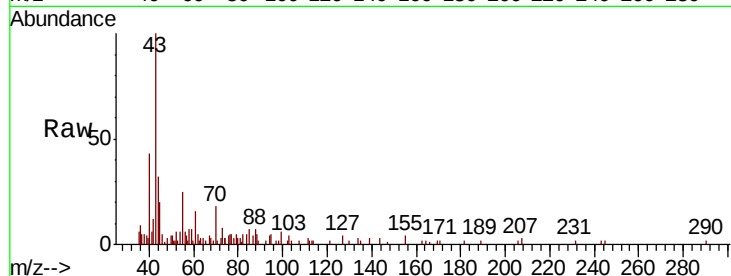




#37
Ethyl Acetate
Concen: 1.165 ug/l
RT: 4.84 min Scan# 605
Delta R.T. -0.01 min
Lab File: VX006588.D
Acq: 18 Dec 2018 10:45

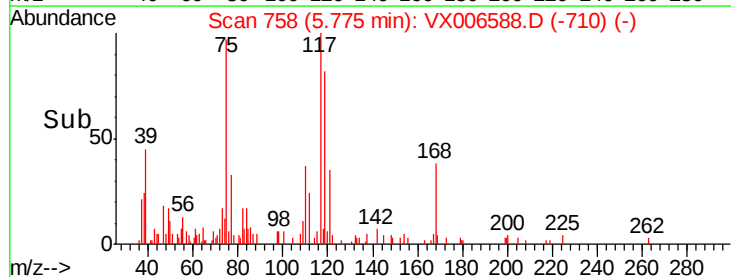
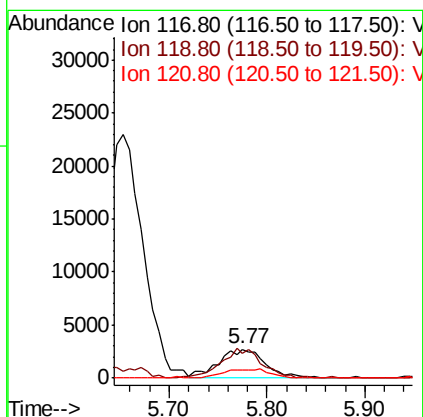
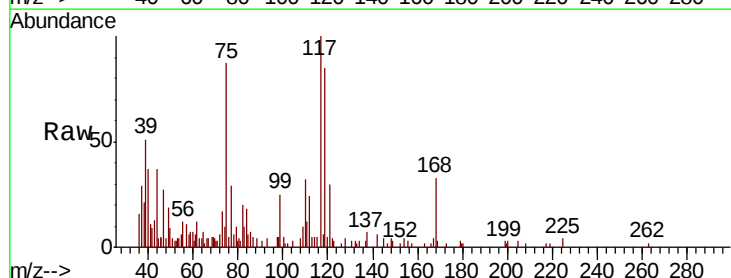
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

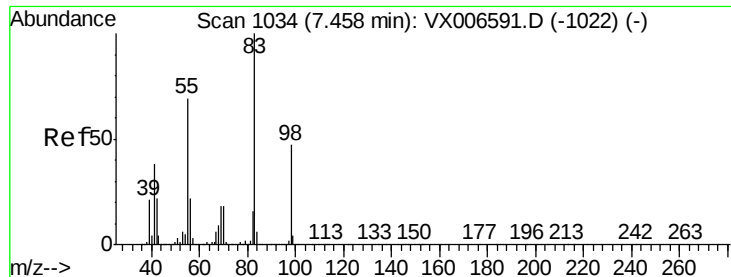
Tgt Ion: 43 Resp: 10528
Ion Ratio Lower Upper
43 100
61 22.2 11.9 17.9#
70 14.8 9.7 14.5#



#38
Carbon Tetrachloride
Concen: 1.070 ug/l
RT: 5.77 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX006588.D
Acq: 18 Dec 2018 10:45

Tgt Ion: 117 Resp: 9022
Ion Ratio Lower Upper
117 100
119 85.3 79.4 119.2
121 30.1 24.0 36.0

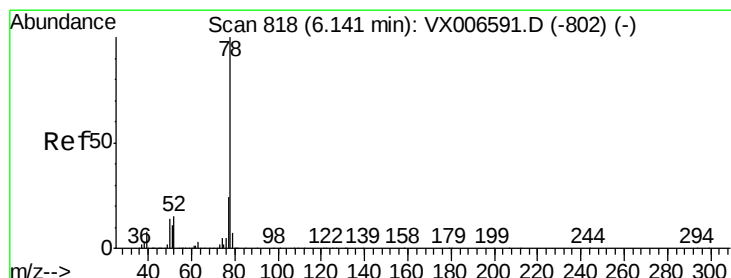
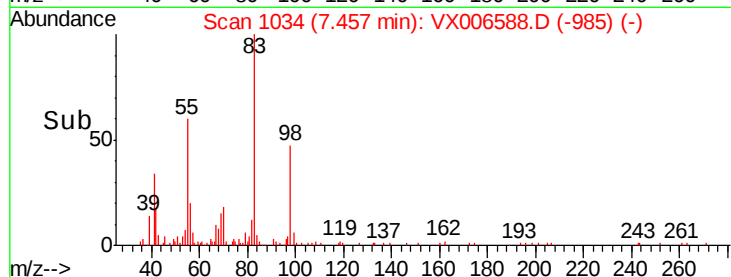
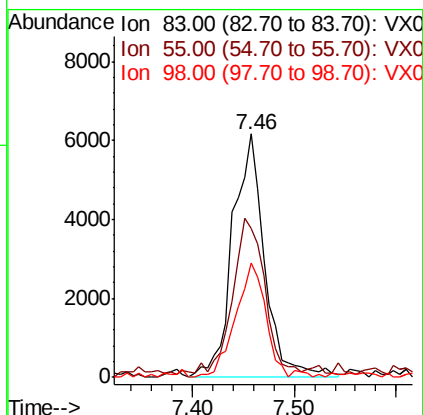
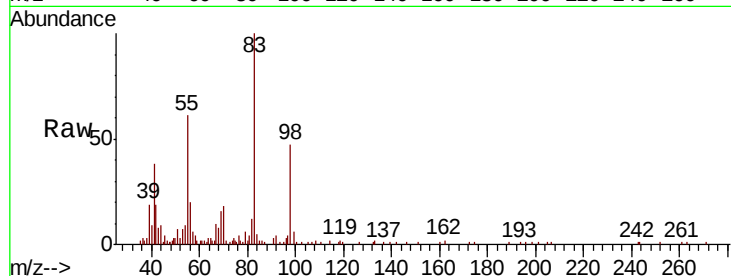




#39
Methylcyclohexane
Concen: 1.169 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VX006588.D
Acq: 18 Dec 2018 10:45

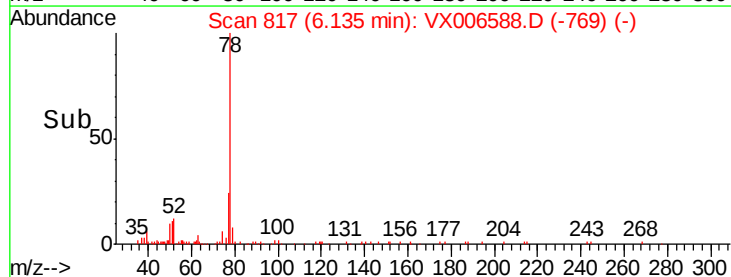
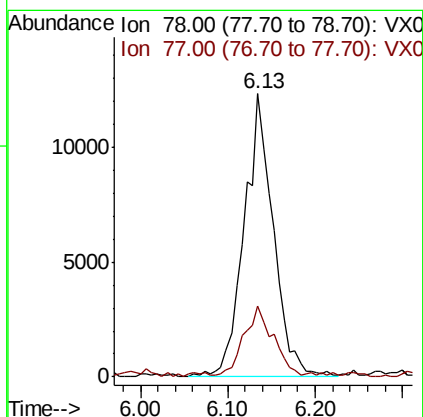
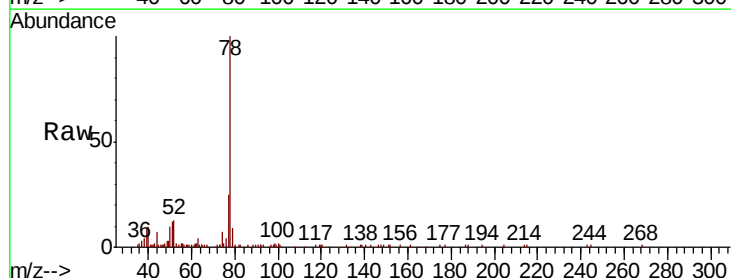
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

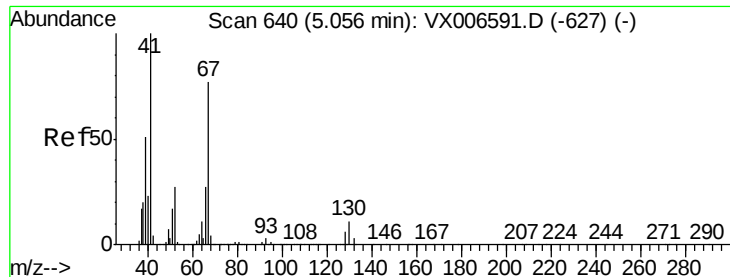
Tgt Ion: 83 Resp: 13359
Ion Ratio Lower Upper
83 100
55 59.0 54.9 82.3
98 46.9 37.9 56.9



#40
Benzene
Concen: 1.081 ug/l
RT: 6.13 min Scan# 817
Delta R.T. -0.01 min
Lab File: VX006588.D
Acq: 18 Dec 2018 10:45

Tgt Ion: 78 Resp: 28533
Ion Ratio Lower Upper
78 100
77 24.7 19.2 28.8





#41

Methacrylonitrile

Concen: 0.897 ug/l

RT: 5.05 min Scan# 639

Delta R.T. -0.01 min

Lab File: VX006588.D

Acq: 18 Dec 2018 10:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 41 Resp: 4553

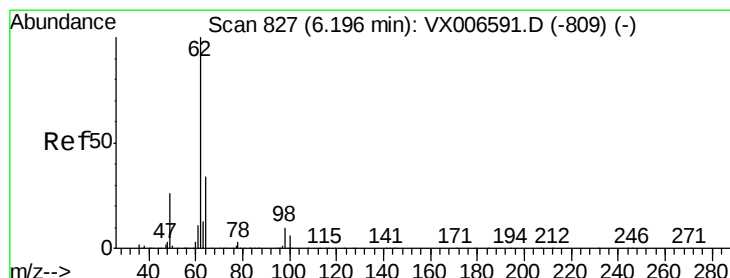
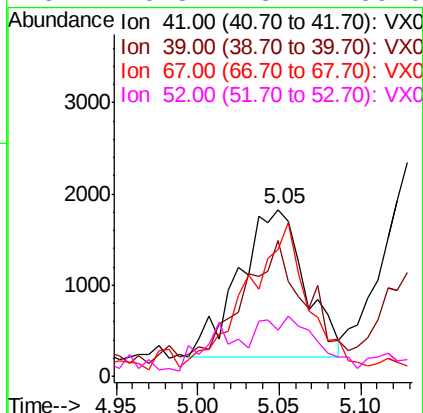
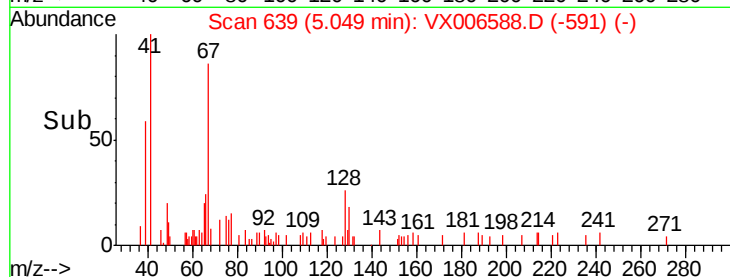
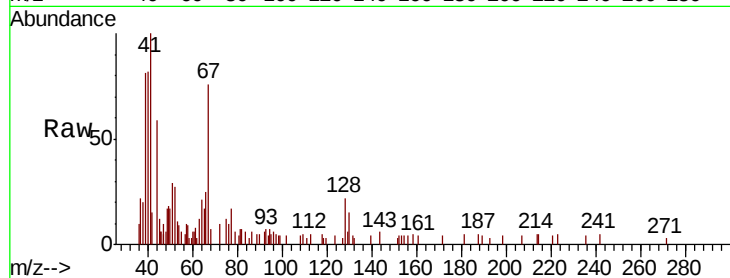
Ion Ratio Lower Upper

41 100

39 83.2 42.8 64.2#

67 89.5 62.1 93.1

52 6.3 23.4 35.0#



#42

1,2-Dichloroethane

Concen: 1.155 ug/l

RT: 6.19 min Scan# 826

Delta R.T. -0.01 min

Lab File: VX006588.D

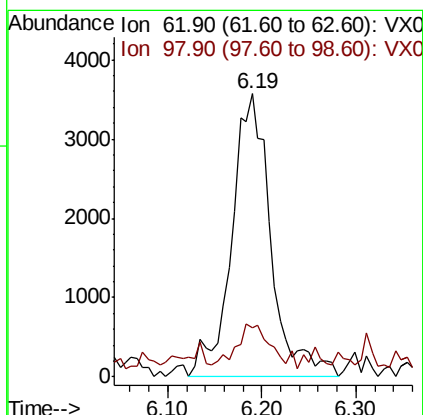
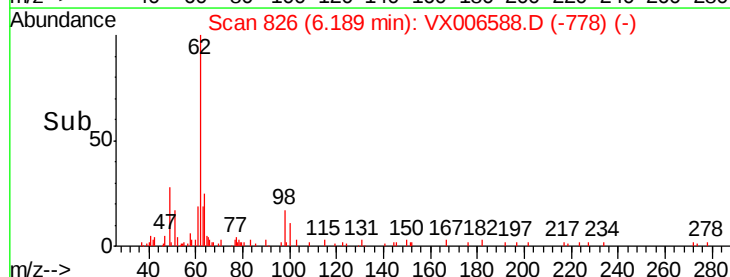
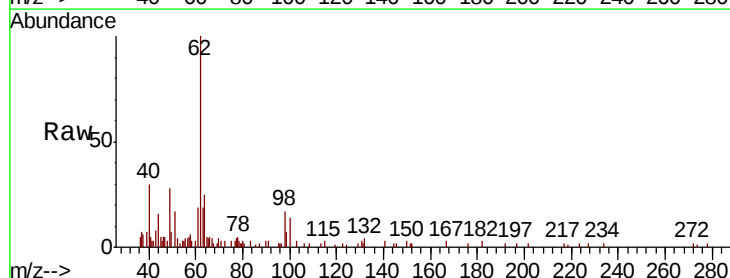
Acq: 18 Dec 2018 10:45

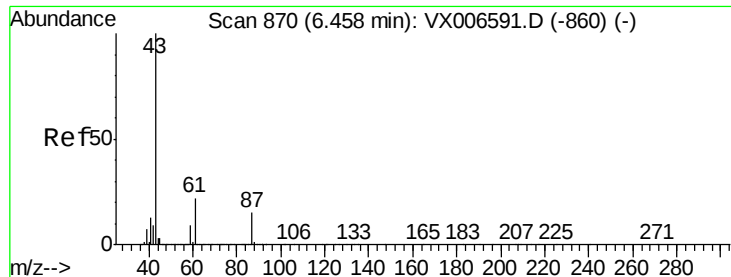
Tgt Ion: 62 Resp: 10383

Ion Ratio Lower Upper

62 100

98 11.5 0.0 20.2





#43

Isopropyl Acetate

Concen: 0.976 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.00 min

Lab File: VX006588.D

Acq: 18 Dec 2018 10:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

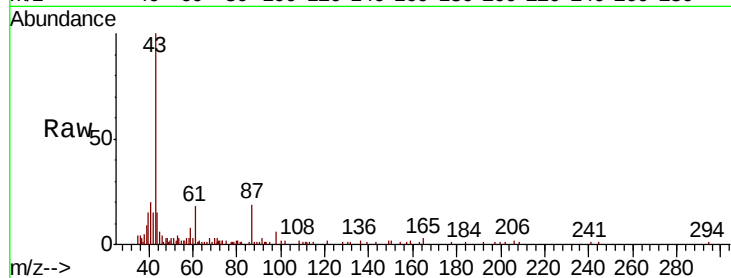
Tgt Ion: 43 Resp: 13410

Ion Ratio Lower Upper

43 100

61 27.7 16.8 25.2#

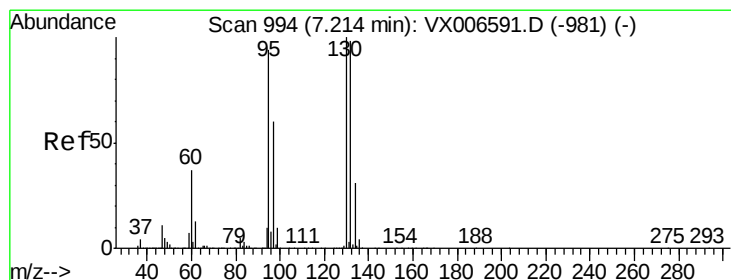
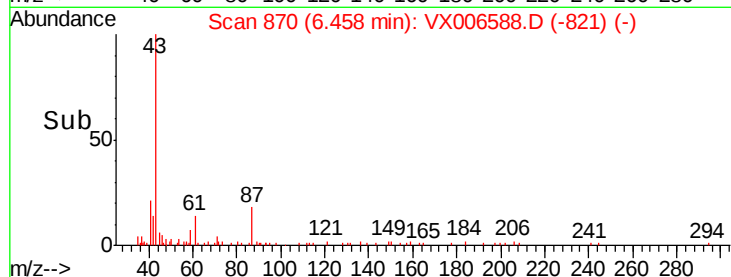
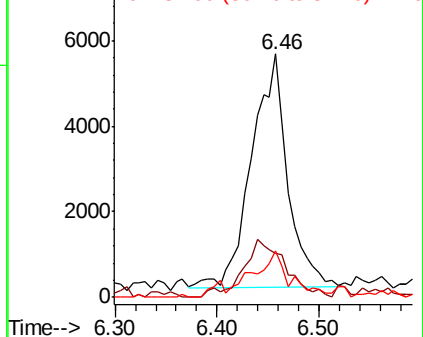
87 19.9 12.4 18.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 1.180 ug/l

RT: 7.21 min Scan# 993

Delta R.T. -0.01 min

Lab File: VX006588.D

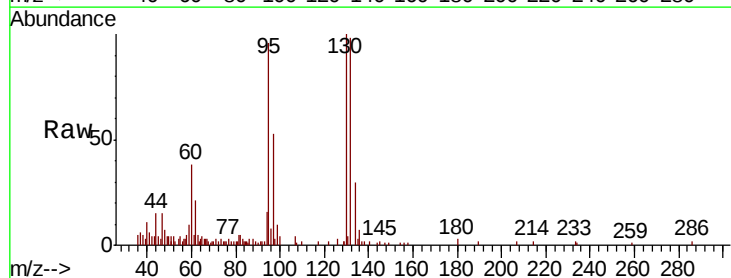
Acq: 18 Dec 2018 10:45

Tgt Ion: 130 Resp: 9421

Ion Ratio Lower Upper

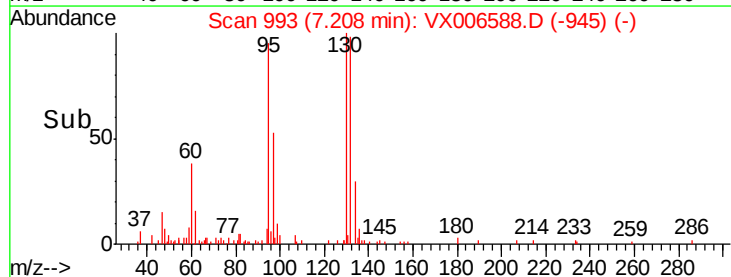
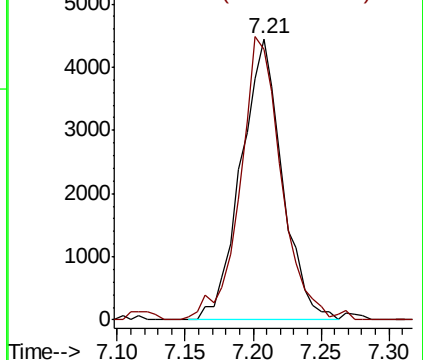
130 100

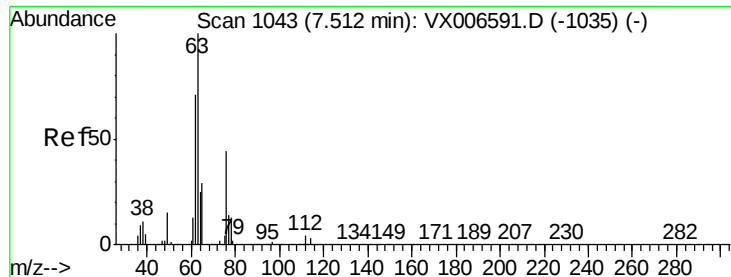
95 95.3 0.0 187.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 1.099 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX006588.D

Acq: 18 Dec 2018 10:45

Instrument :

MSVOA_X

ClientSampleId :

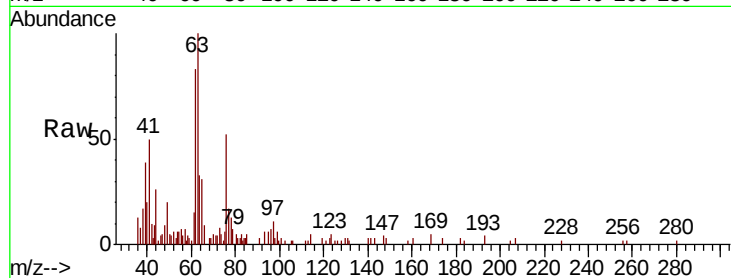
VSTDIC001

Tgt Ion: 63 Resp: 7058

Ion Ratio Lower Upper

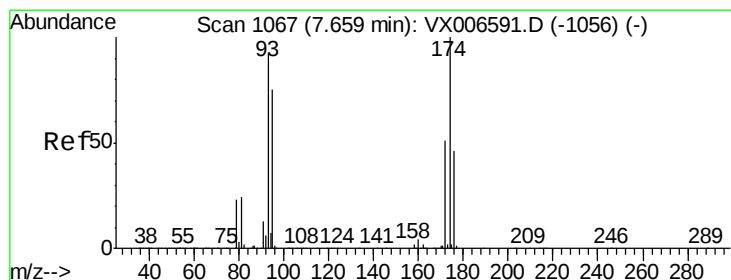
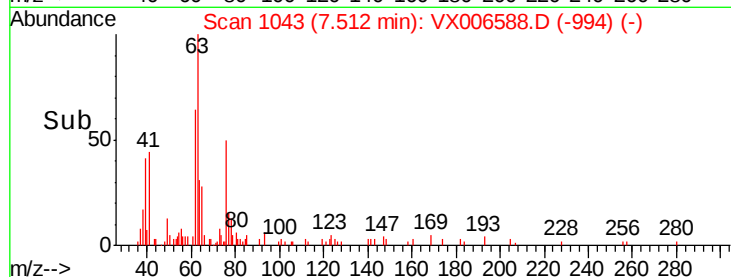
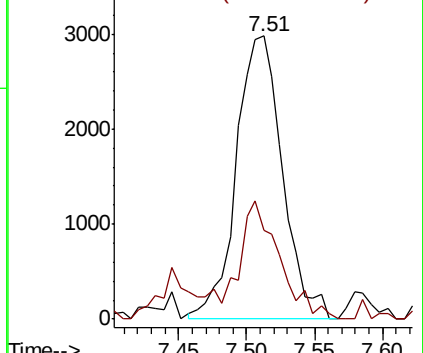
63 100

65 31.3 25.4 38.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 1.118 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX006588.D

Acq: 18 Dec 2018 10:45

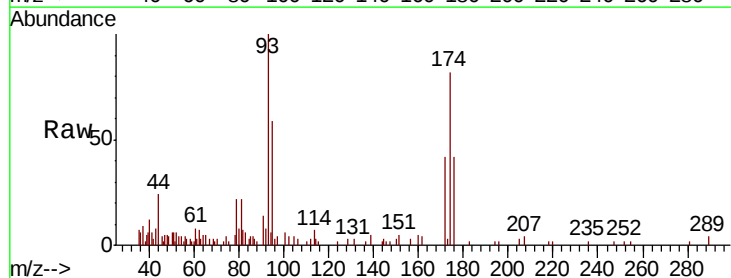
Tgt Ion: 93 Resp: 5278

Ion Ratio Lower Upper

93 100

95 86.7 66.2 99.4

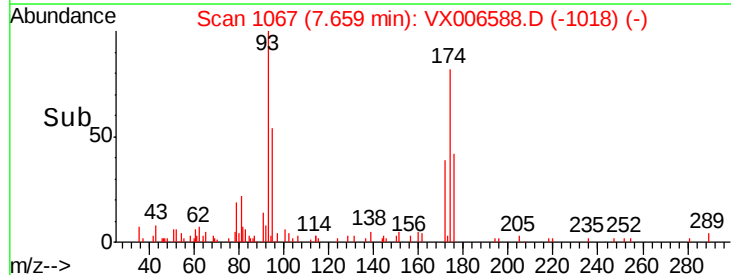
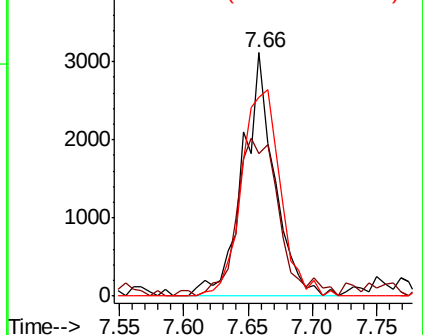
174 104.3 91.0 136.4

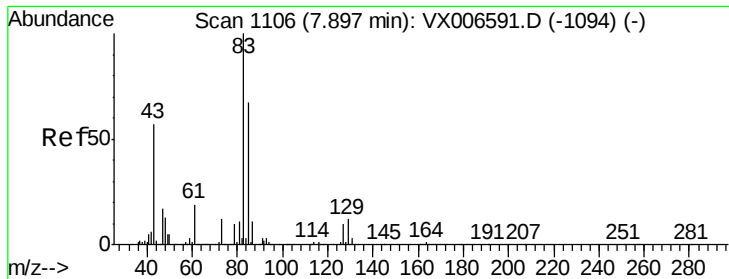


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 1.036 ug/l

RT: 7.89 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VX006588.D

Acq: 18 Dec 2018 10:45

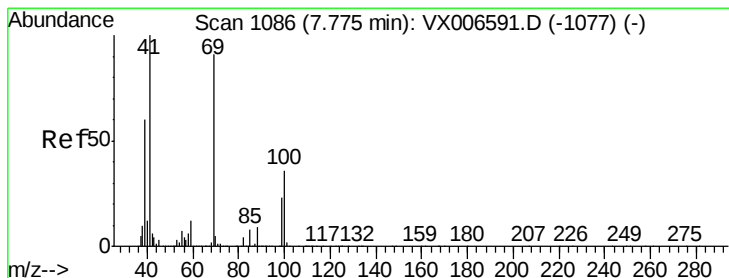
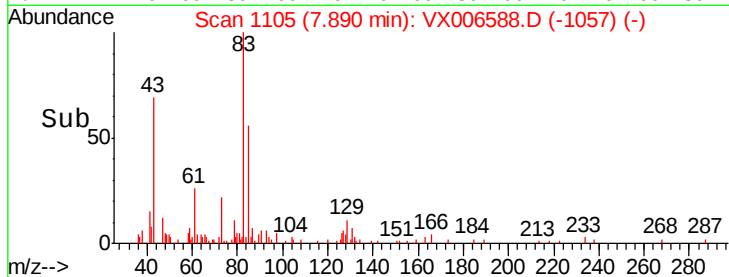
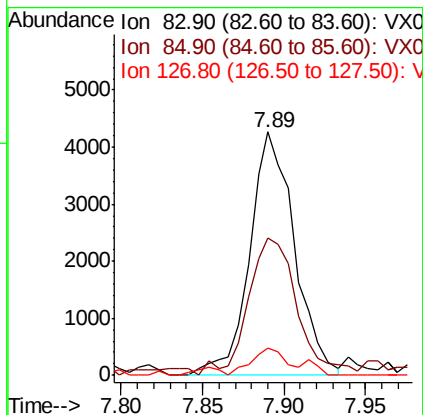
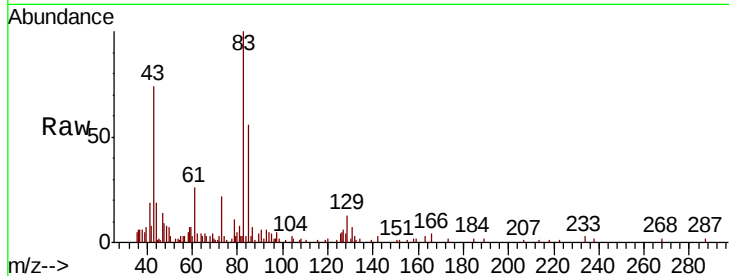
Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion:	83	Resp:	8120
Ion	Ratio	Lower	Upper
83	100		
85	53.4	53.2	79.8
127	11.3	7.8	11.6



#48

Methyl methacrylate

Concen: 0.930 ug/l

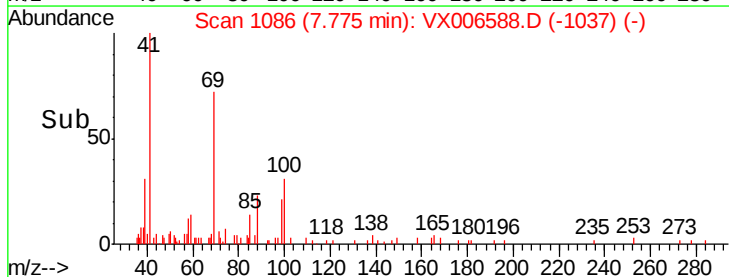
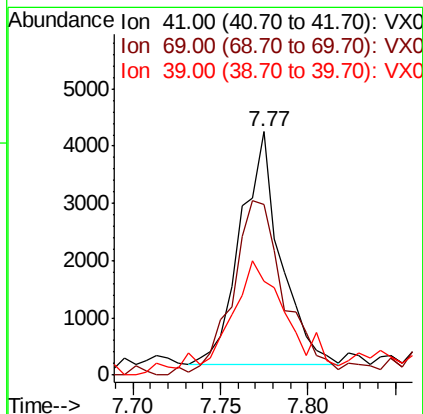
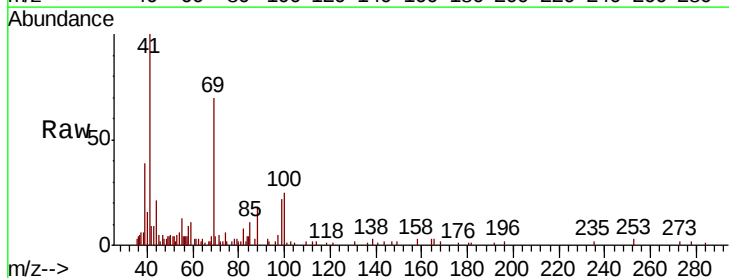
RT: 7.77 min Scan# 1086

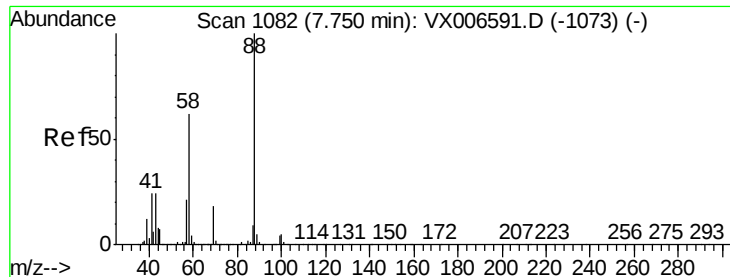
Delta R.T. -0.00 min

Lab File: VX006588.D

Acq: 18 Dec 2018 10:45

Tgt Ion:	41	Resp:	6499
Ion	Ratio	Lower	Upper
41	100		
69	97.0	72.4	108.6
39	73.2	45.8	68.8#





#49

1,4-Dioxane

Concen: 26.292 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. -0.00 min

Lab File: VX006588.D

Acq: 18 Dec 2018 10:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

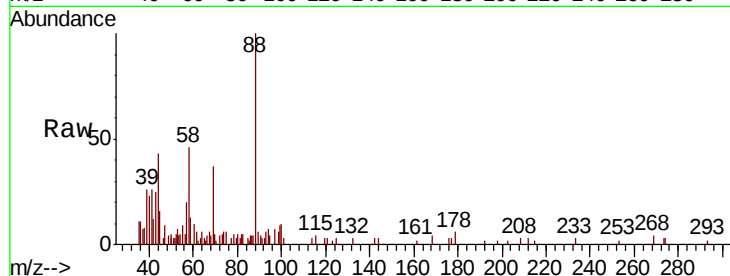
Tgt Ion: 88 Resp: 5200

Ion Ratio Lower Upper

88 100

43 34.6 22.2 33.4#

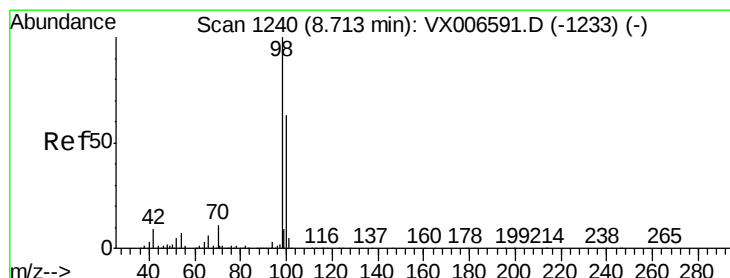
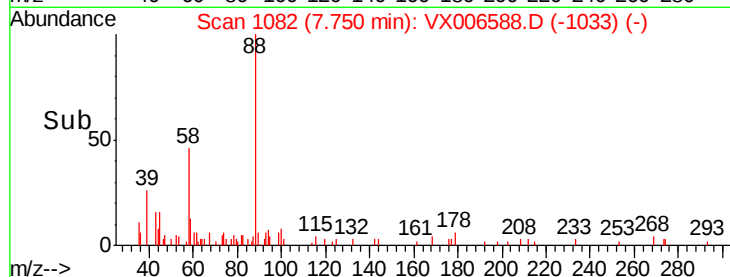
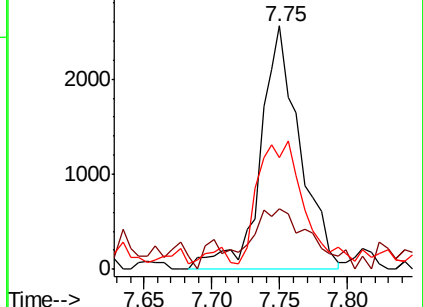
58 58.5 51.0 76.4



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: 1.329 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006588.D

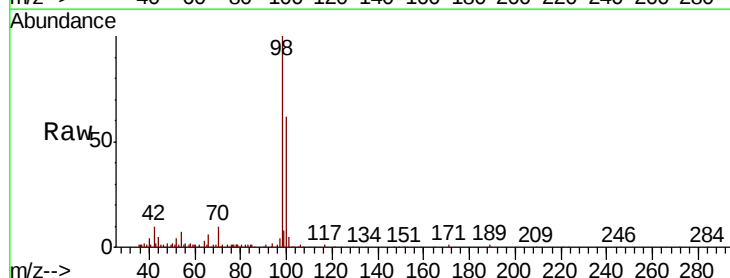
Acq: 18 Dec 2018 10:45

Tgt Ion: 98 Resp: 33195

Ion Ratio Lower Upper

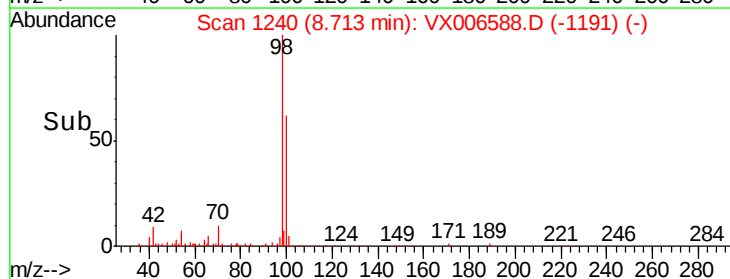
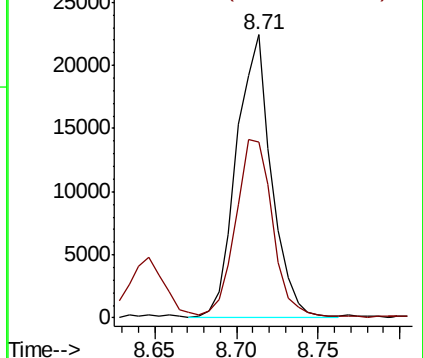
98 100

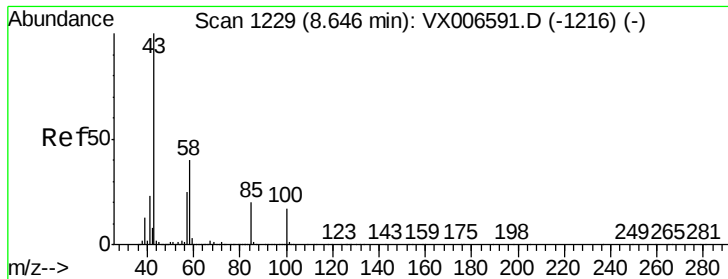
100 66.7 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

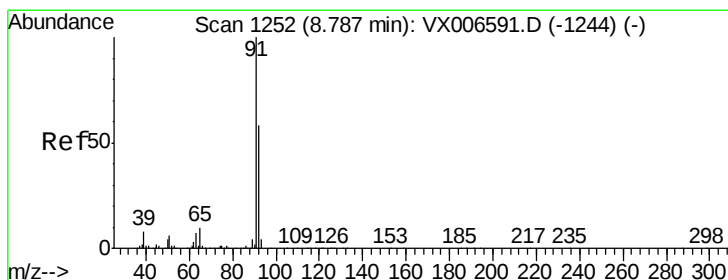
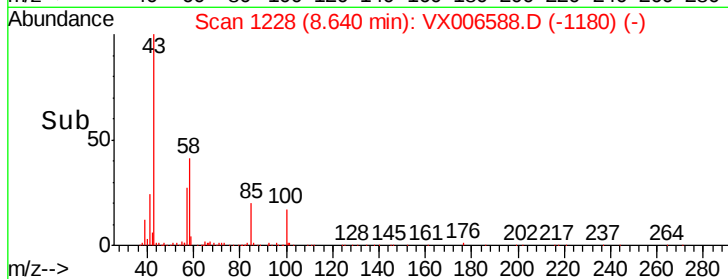
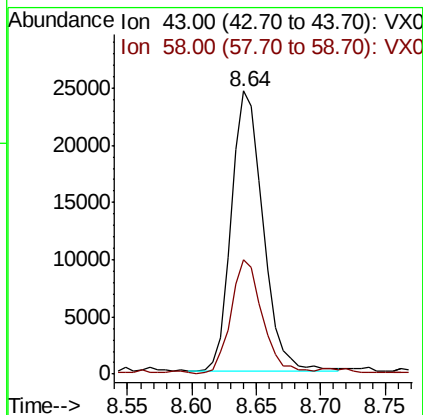
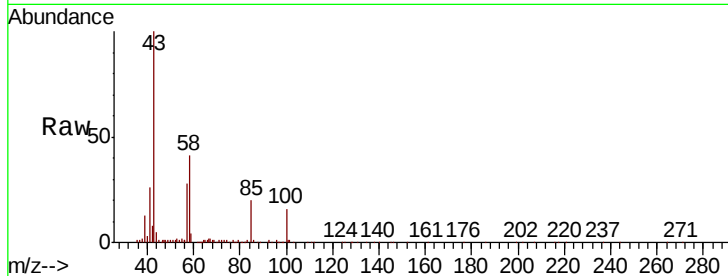




#51
 4-Methyl-2-Pentanone
 Concen: 4.852 ug/l
 RT: 8.64 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VX006588.D
 Acq: 18 Dec 2018 10:45

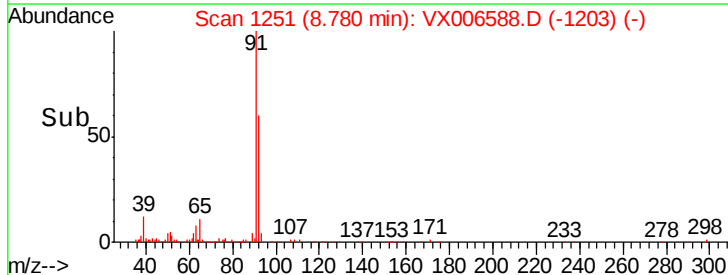
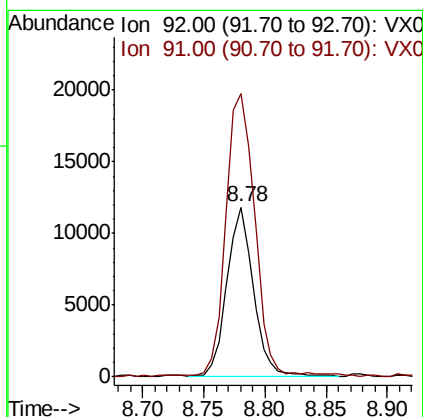
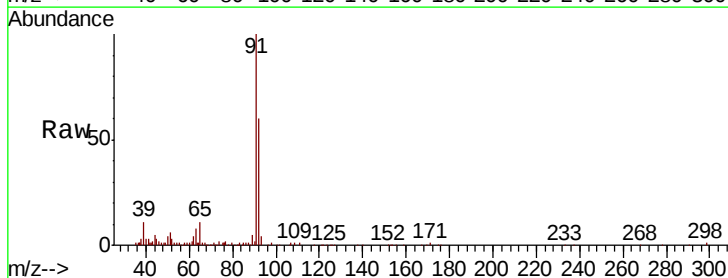
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

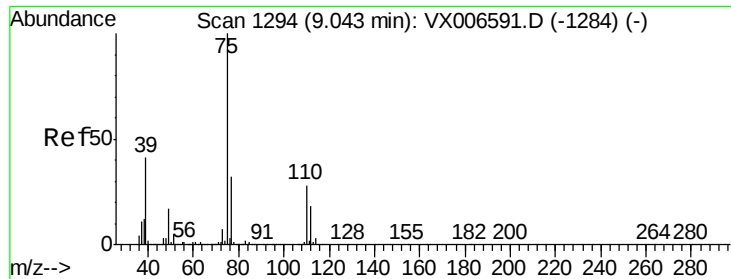
Tgt Ion: 43 Resp: 42433
 Ion Ratio Lower Upper
 43 100
 58 39.8 31.8 47.6



#52
 Toluene
 Concen: 1.054 ug/l
 RT: 8.78 min Scan# 1251
 Delta R.T. -0.01 min
 Lab File: VX006588.D
 Acq: 18 Dec 2018 10:45

Tgt Ion: 92 Resp: 17966
 Ion Ratio Lower Upper
 92 100
 91 179.2 137.6 206.4





#53

t-1,3-Dichloropropene

Concen: 0.882 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. -0.01 min

Lab File: VX006588.D

Acq: 18 Dec 2018 10:45

Instrument :

MSVOA_X

ClientSampleId :

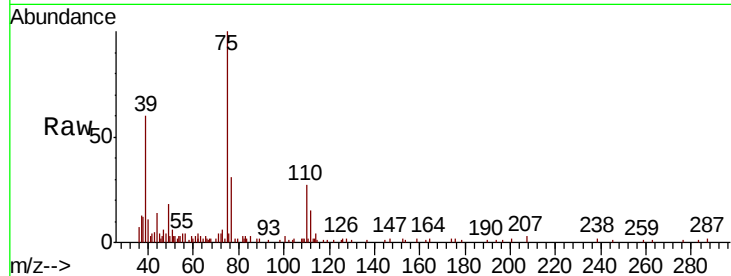
VSTDIC001

Tgt Ion: 75 Resp: 7418

Ion Ratio Lower Upper

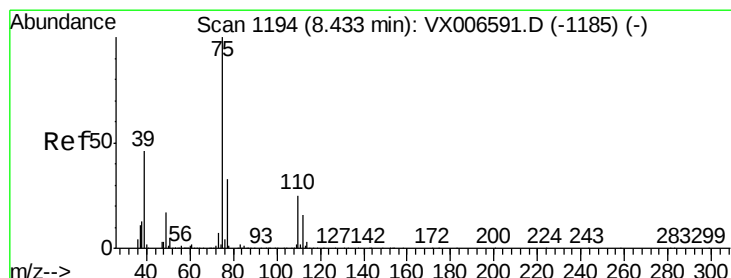
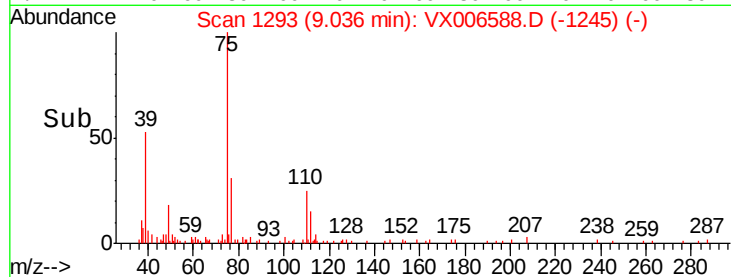
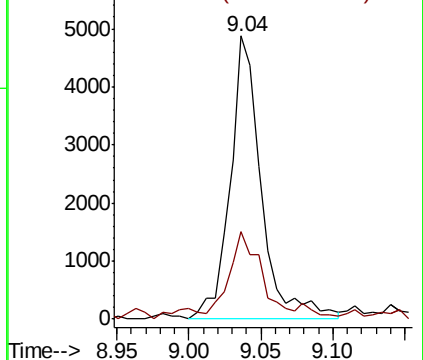
75 100

77 29.8 25.4 38.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 0.850 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX006588.D

Acq: 18 Dec 2018 10:45

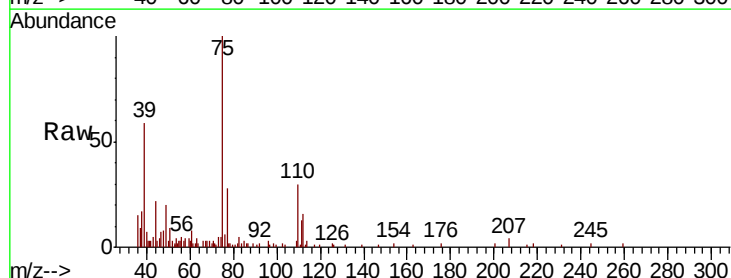
Tgt Ion: 75 Resp: 7839

Ion Ratio Lower Upper

75 100

77 24.8 26.2 39.2#

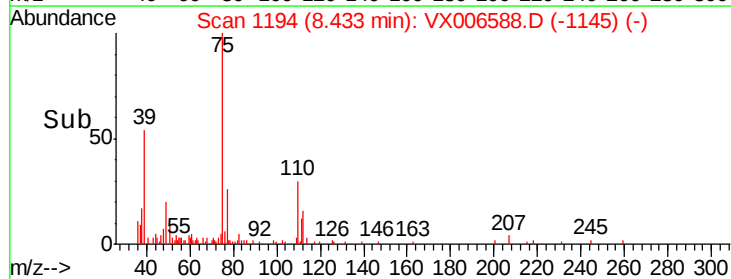
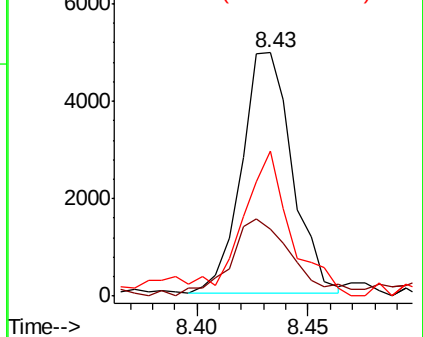
39 56.6 36.7 55.1#

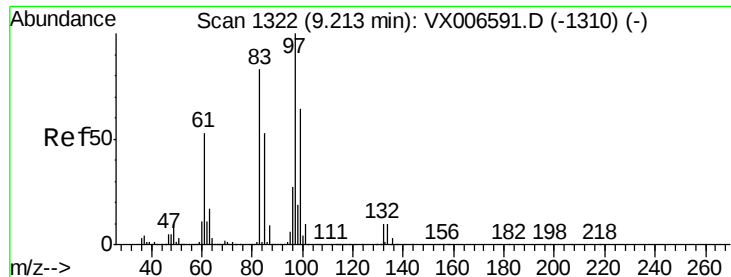


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





#55

1,1,2-Trichloroethane

Concen: 1.067 ug/l

RT: 9.21 min Scan# 1321

Delta R.T. -0.01 min

Lab File: VX006588.D

Acq: 18 Dec 2018 10:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 97 Resp: 7441

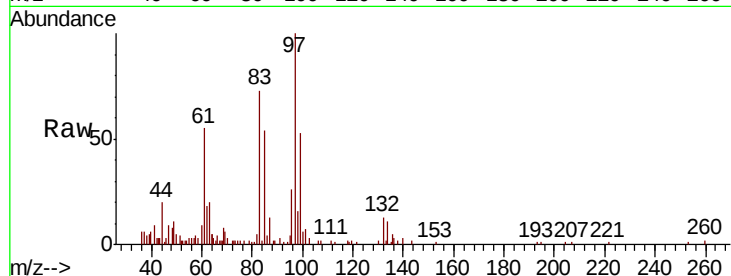
Ion Ratio Lower Upper

97 100

83 71.0 66.6 99.8

85 51.4 42.7 64.1

99 52.9 50.8 76.2

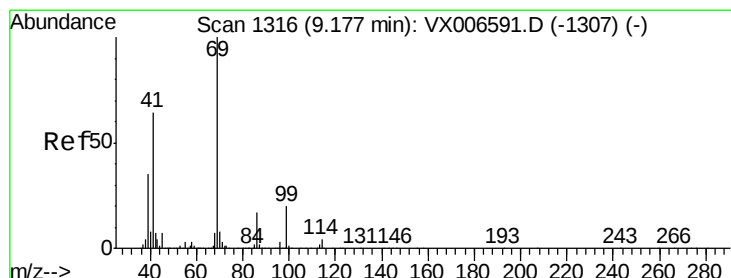
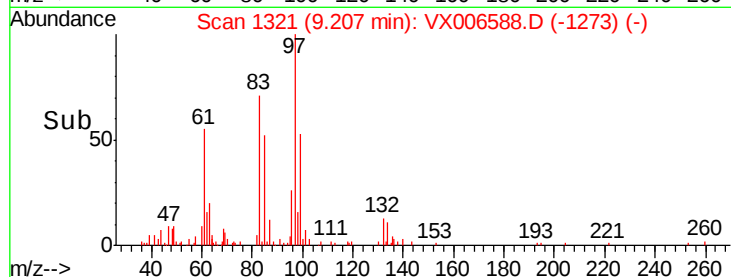
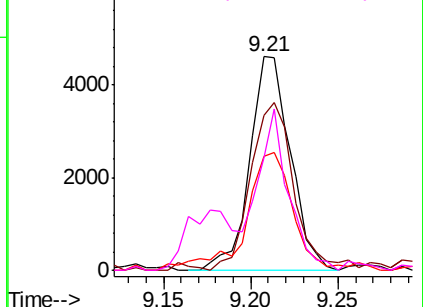


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 0.954 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX006588.D

Acq: 18 Dec 2018 10:45

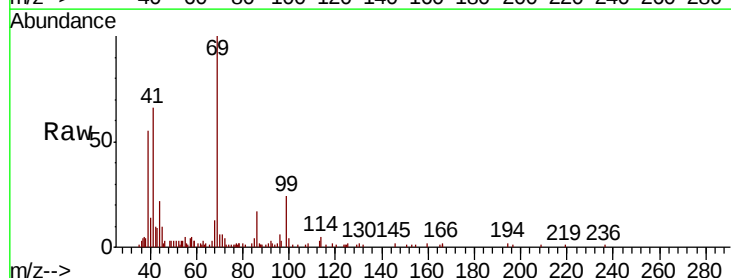
Tgt Ion: 69 Resp: 9405

Ion Ratio Lower Upper

69 100

41 56.0 48.7 73.1

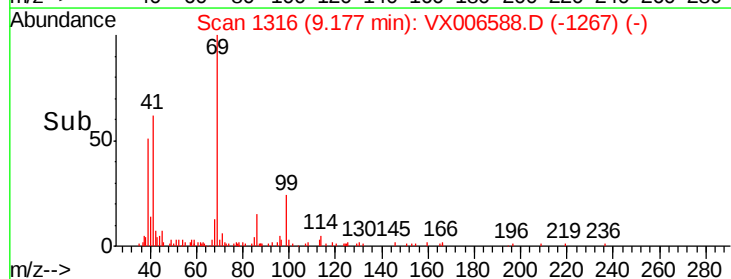
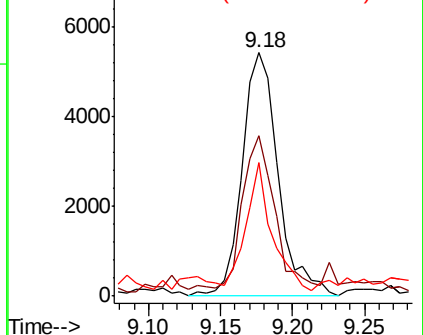
39 37.4 27.0 40.6

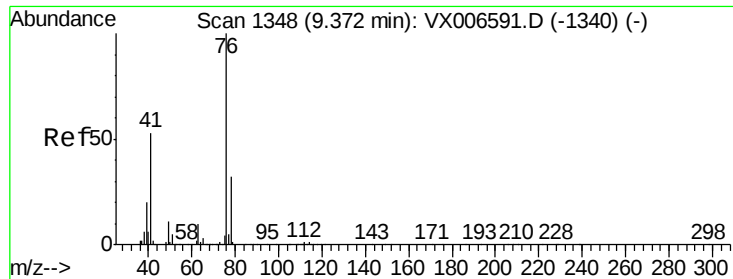


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 1.104 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. -0.01 min

Lab File: VX006588.D

Acq: 18 Dec 2018 10:45

Instrument :

MSVOA_X

ClientSampleId :

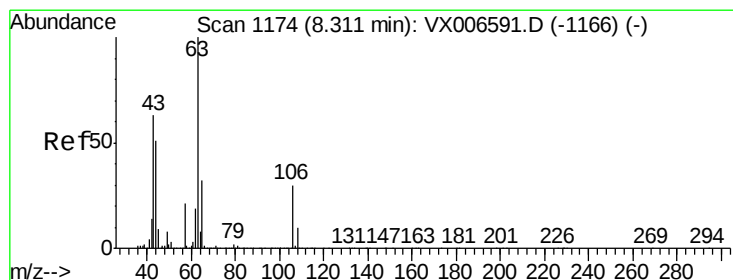
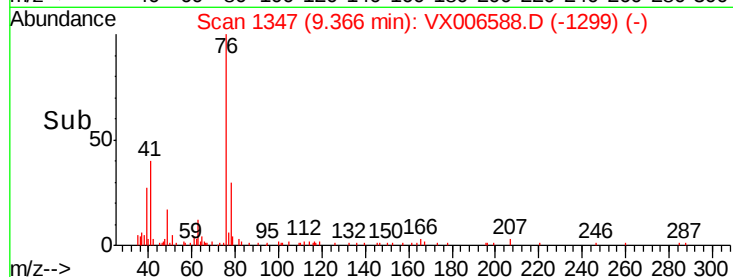
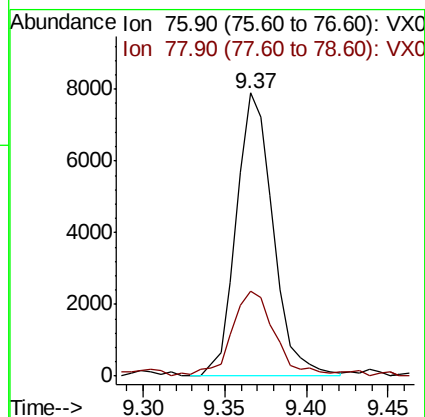
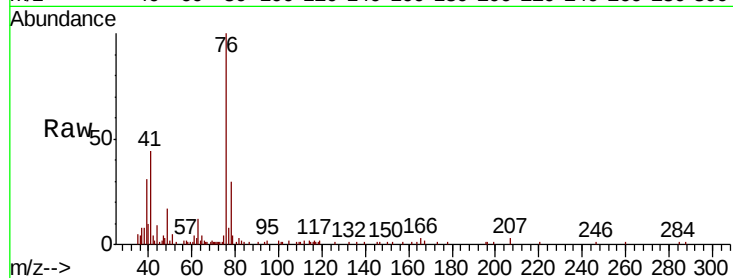
VSTDIC001

Tgt Ion: 76 Resp: 12397

Ion Ratio Lower Upper

76 100

78 35.1 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 5.229 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX006588.D

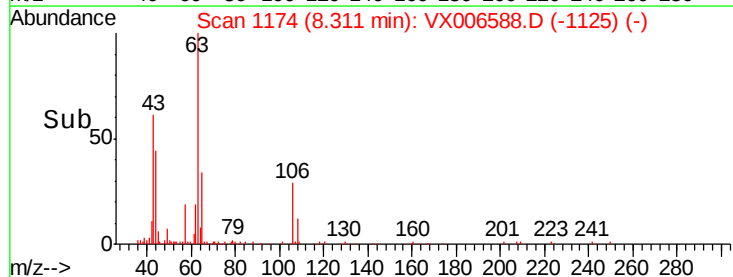
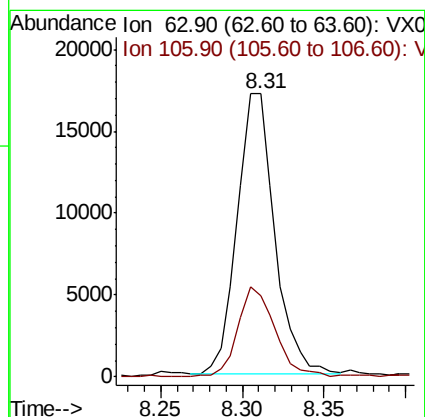
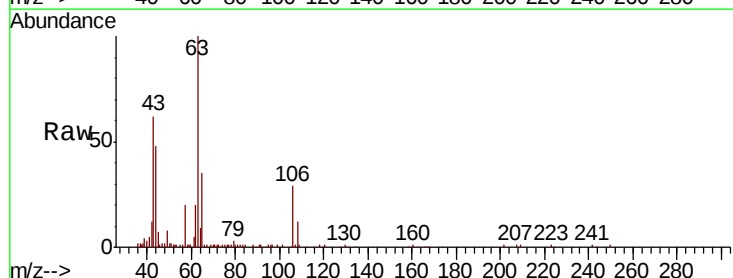
Acq: 18 Dec 2018 10:45

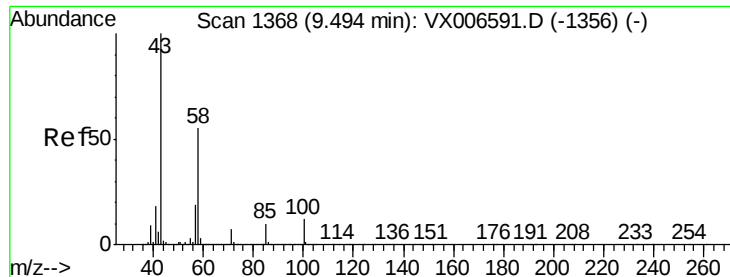
Tgt Ion: 63 Resp: 27411

Ion Ratio Lower Upper

63 100

106 32.7 24.6 36.8





#59

2-Hexanone

Concen: 4.708 ug/l

RT: 9.49 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VX006588.D

Acq: 18 Dec 2018 10:45

Instrument :

MSVOA_X

ClientSampleId :

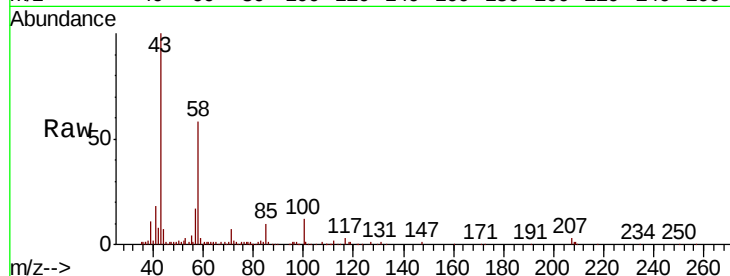
VSTDIC001

Tgt Ion: 43 Resp: 31508

Ion Ratio Lower Upper

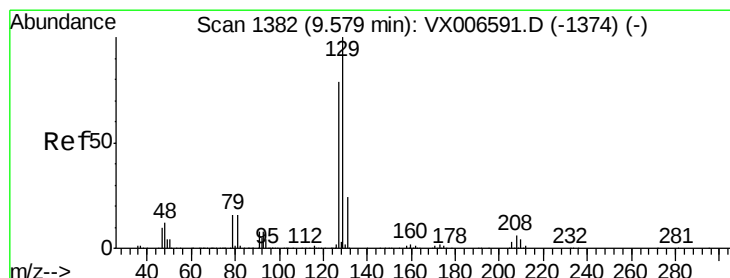
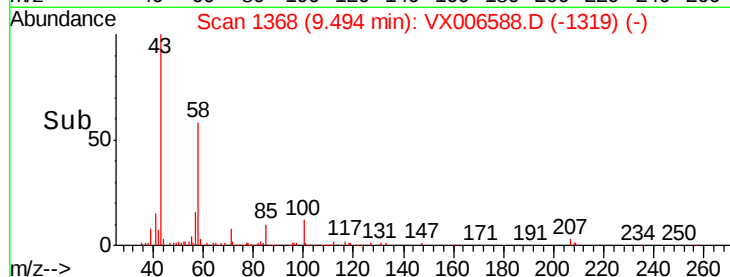
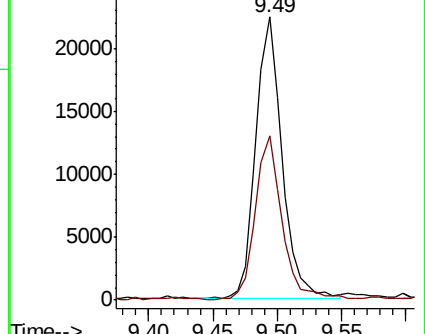
43 100

58 59.7 27.7 83.1



Abundance Ion 43.00 (42.70 to 43.70): VX006591.D (-1356) (-)

Ion 58.00 (57.70 to 58.70): VX006591.D (-1356) (-)



#60

Dibromochloromethane

Concen: 0.792 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VX006588.D

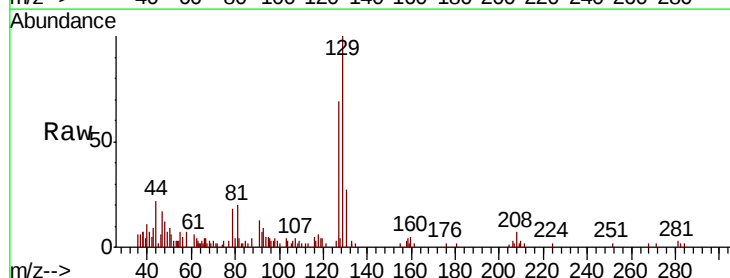
Acq: 18 Dec 2018 10:45

Tgt Ion: 129 Resp: 5091

Ion Ratio Lower Upper

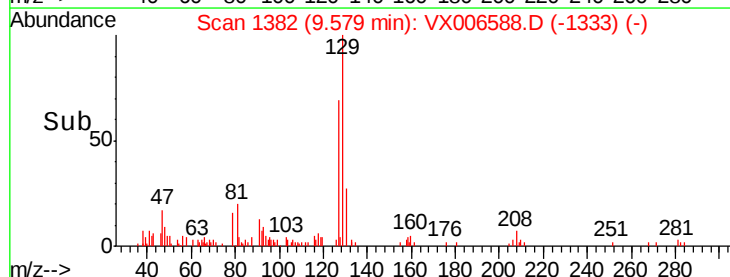
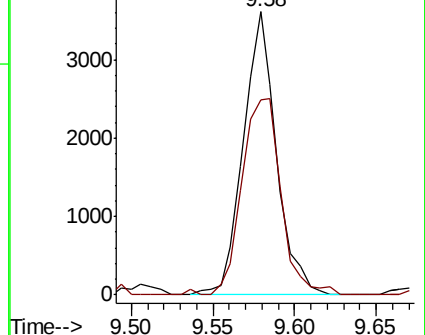
129 100

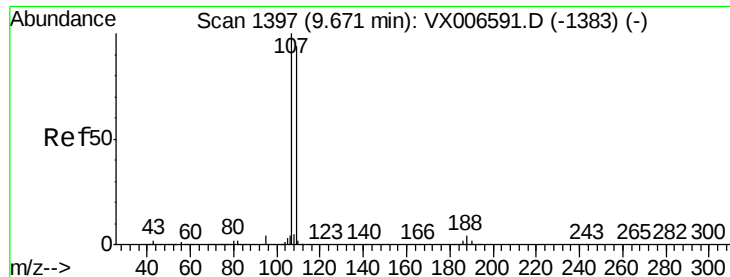
127 82.1 39.3 117.8



Abundance Ion 128.80 (128.50 to 129.50): VX006591.D (-1374) (-)

Ion 126.80 (126.50 to 127.50): VX006591.D (-1374) (-)





#61

1,2-Dibromoethane

Concen: 0.995 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX006588.D

Acq: 18 Dec 2018 10:45

Instrument :

MSVOA_X

ClientSampleId :

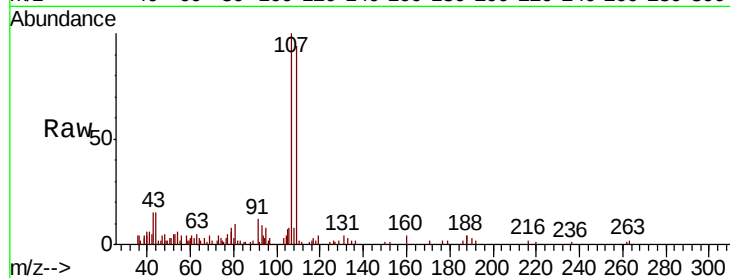
VSTDIC001

Tgt Ion: 107 Resp: 7383

Ion Ratio Lower Upper

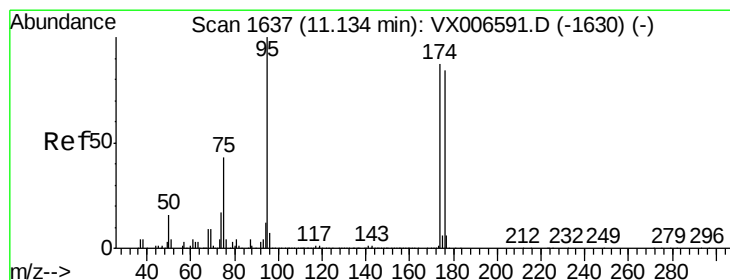
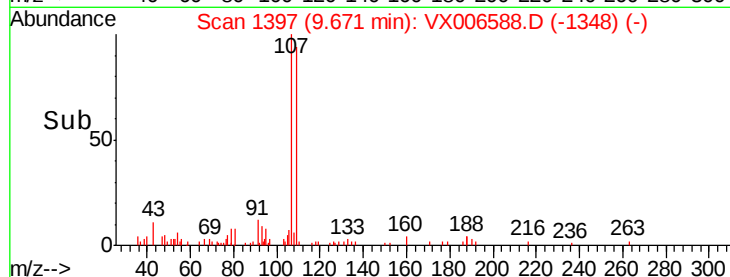
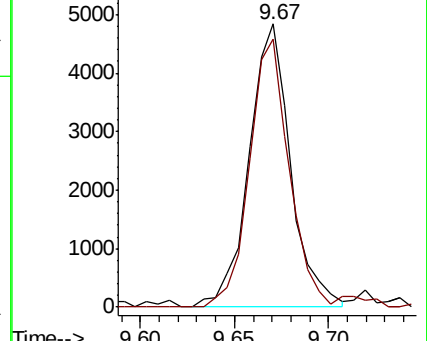
107 100

109 89.9 75.8 113.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 1.197 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX006588.D

Acq: 18 Dec 2018 10:45

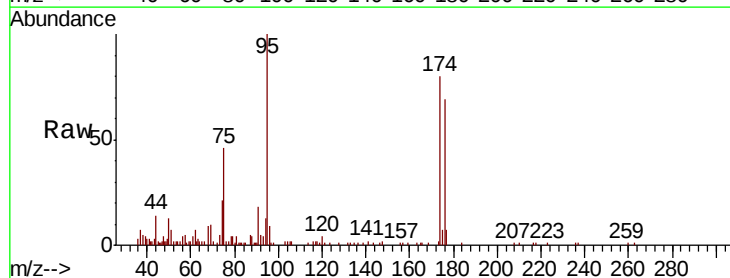
Tgt Ion: 95 Resp: 10954

Ion Ratio Lower Upper

95 100

174 74.1 0.0 182.2

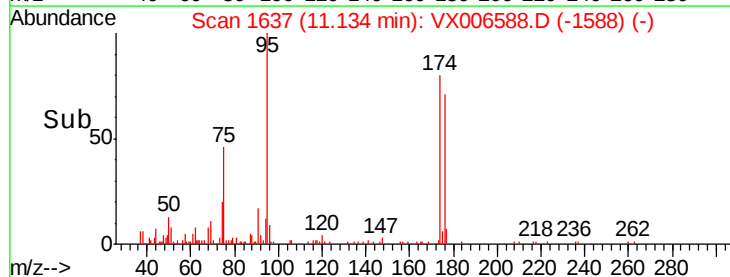
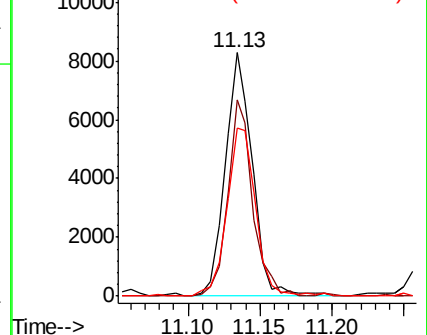
176 72.4 0.0 178.8

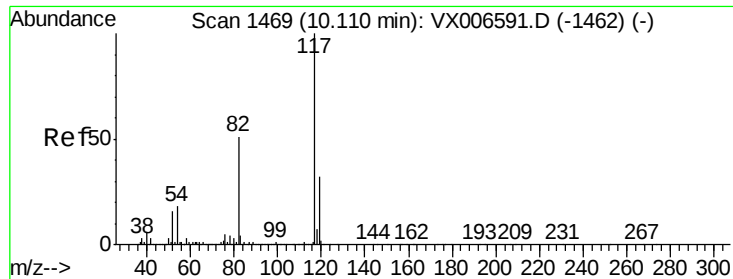


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

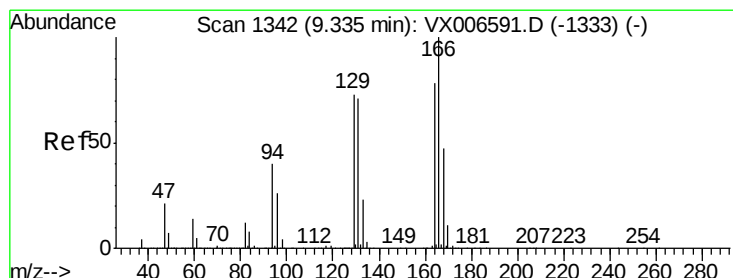
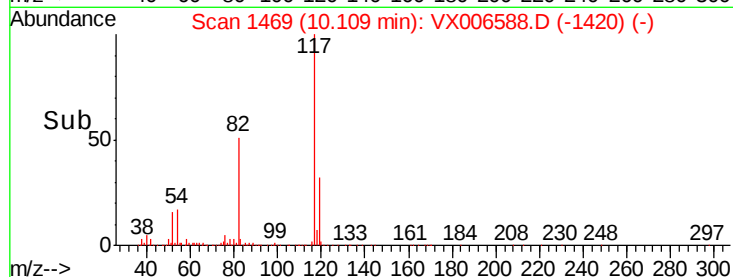
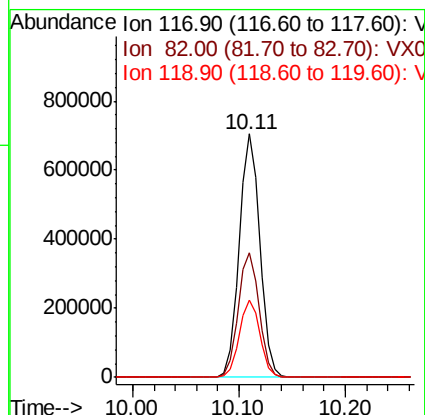
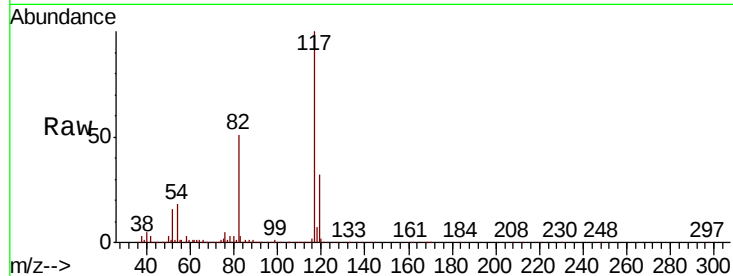




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX006588.D
Acq: 18 Dec 2018 10:45

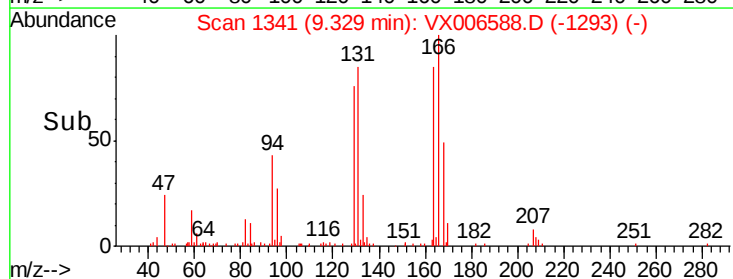
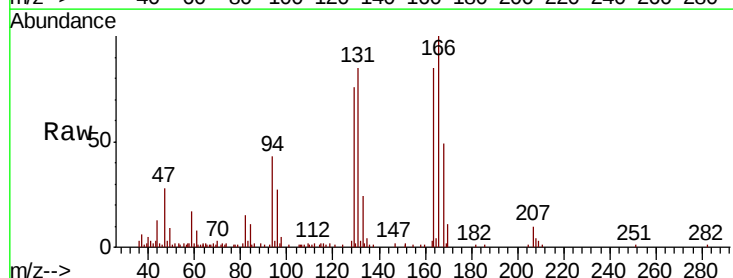
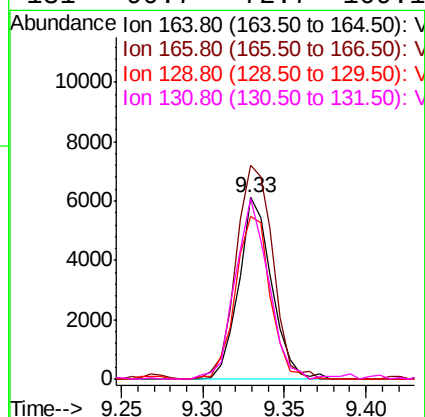
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

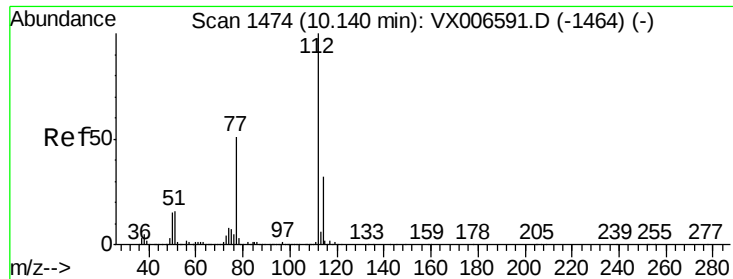
Tgt Ion:117 Resp: 960134
Ion Ratio Lower Upper
117 100
82 51.1 41.0 61.6
119 31.8 25.4 38.0



#64
Tetrachloroethene
Concen: 1.130 ug/l
RT: 9.33 min Scan# 1341
Delta R.T. -0.01 min
Lab File: VX006588.D
Acq: 18 Dec 2018 10:45

Tgt Ion:164 Resp: 8592
Ion Ratio Lower Upper
164 100
166 117.5 102.5 153.7
129 89.4 75.1 112.7
131 99.7 72.7 109.1





#65

Chlorobenzene

Concen: 1.129 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.01 min

Lab File: VX006588.D

Acq: 18 Dec 2018 10:45

Instrument :

MSVOA_X

ClientSampleId :

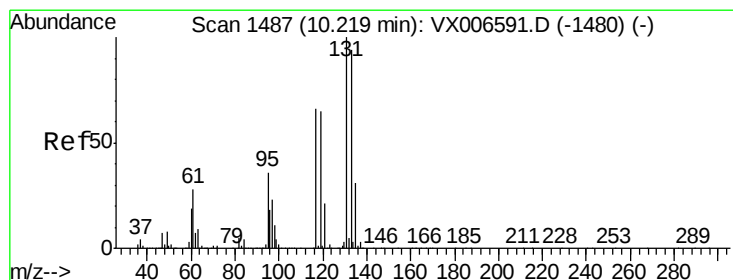
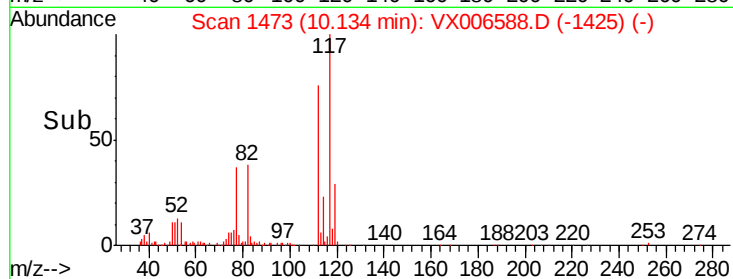
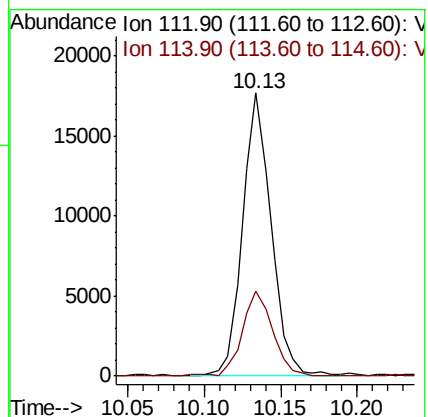
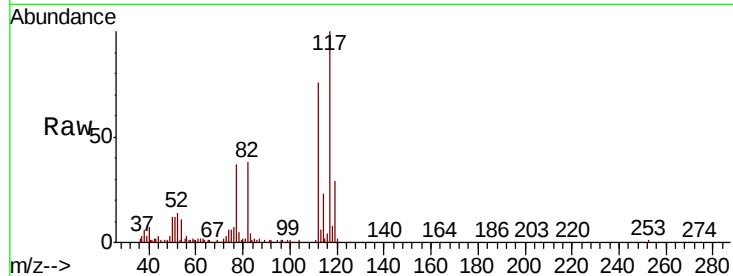
VSTDIC001

Tgt Ion:112 Resp: 22935

Ion Ratio Lower Upper

112 100

114 29.6 25.7 38.5



#66

1,1,1,2-Tetrachloroethane

Concen: 0.856 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX006588.D

Acq: 18 Dec 2018 10:45

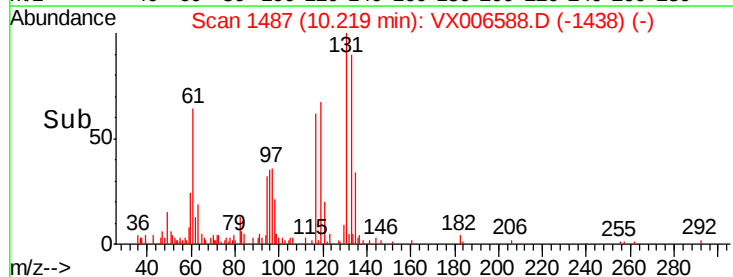
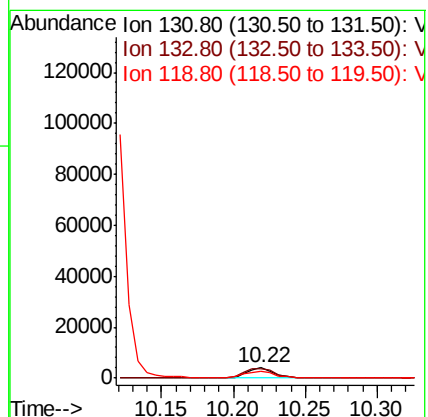
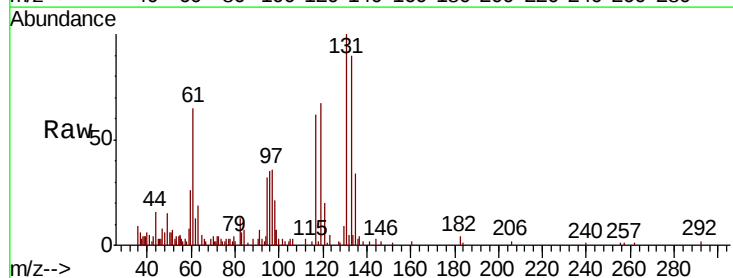
Tgt Ion:131 Resp: 5426

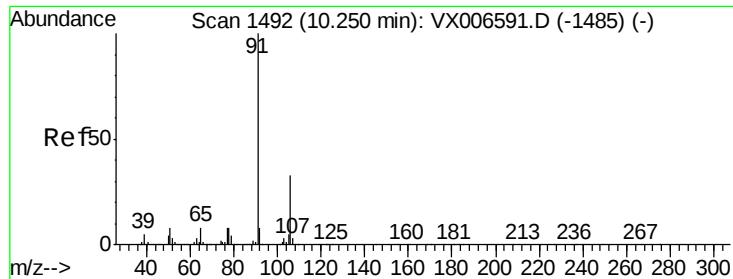
Ion Ratio Lower Upper

131 100

133 102.3 48.0 144.2

119 0.0 32.6 97.8#

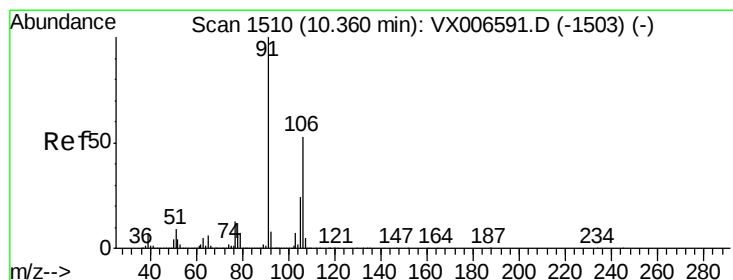
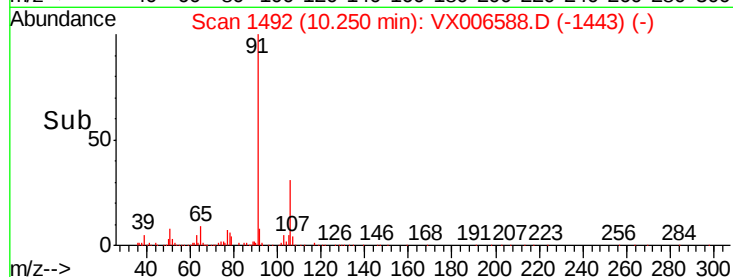
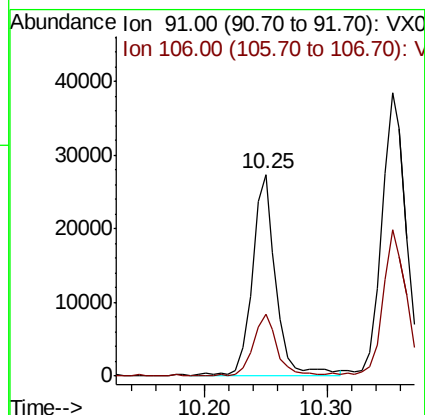
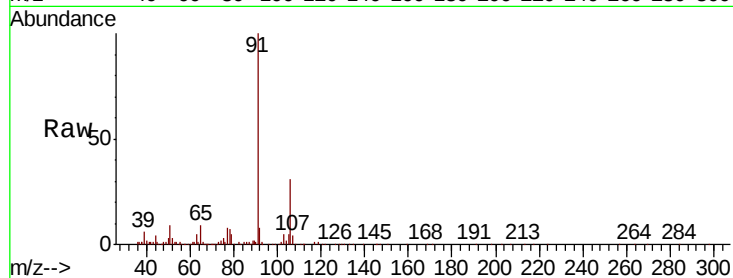




#67
Ethyl Benzene
Concen: 1.098 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX006588.D
Acq: 18 Dec 2018 10:45

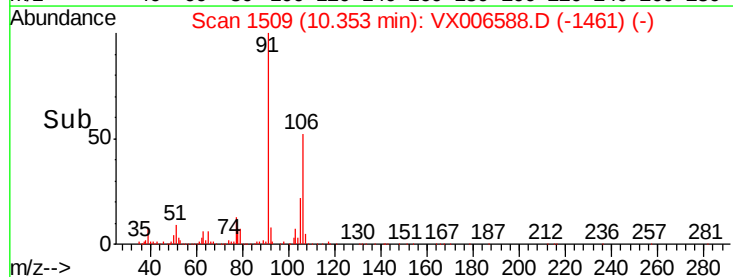
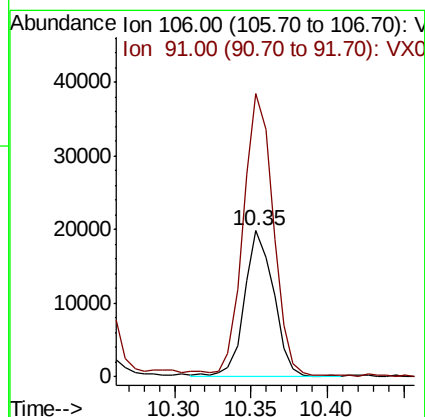
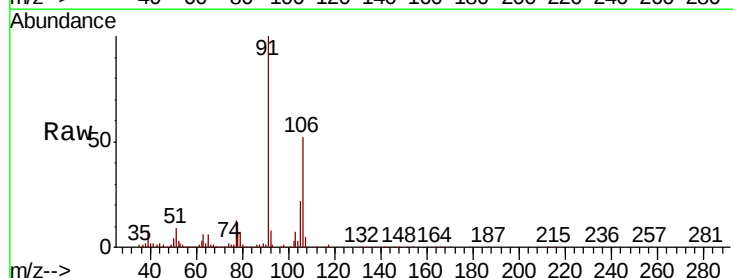
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

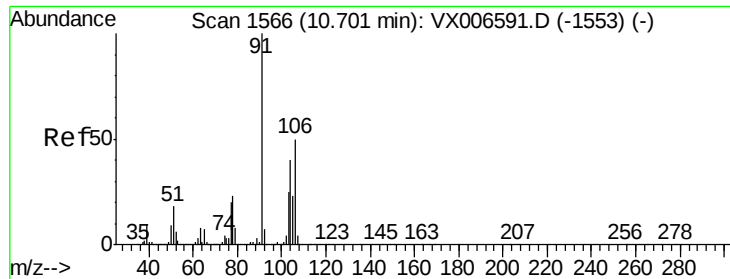
Tgt Ion: 91 Resp: 36457
Ion Ratio Lower Upper
91 100
106 30.8 26.4 39.6



#68
m/p-Xylenes
Concen: 2.031 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX006588.D
Acq: 18 Dec 2018 10:45

Tgt Ion: 106 Resp: 26604
Ion Ratio Lower Upper
106 100
91 197.2 155.8 233.6

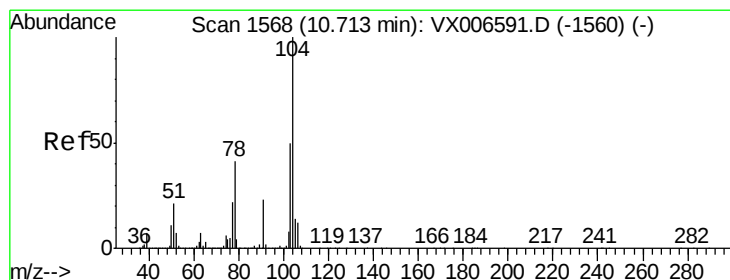
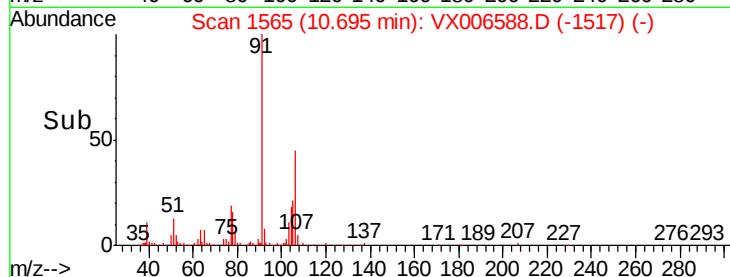
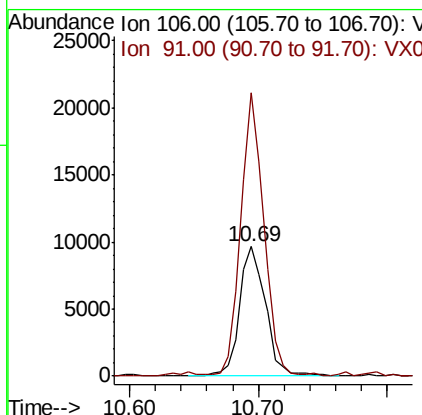
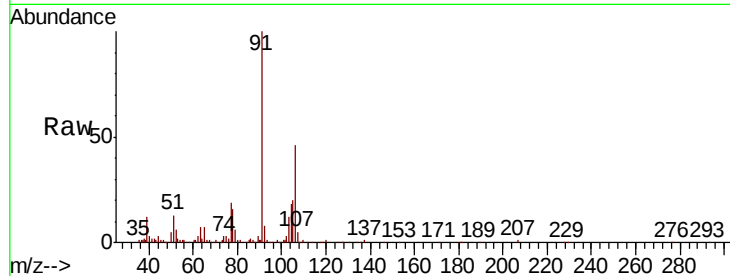




#69
o-Xylene
Concen: 1.053 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX006588.D
Acq: 18 Dec 2018 10:45

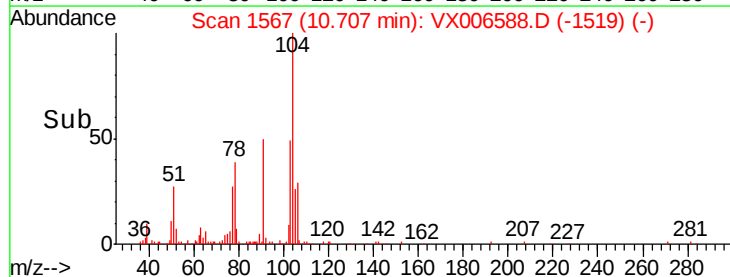
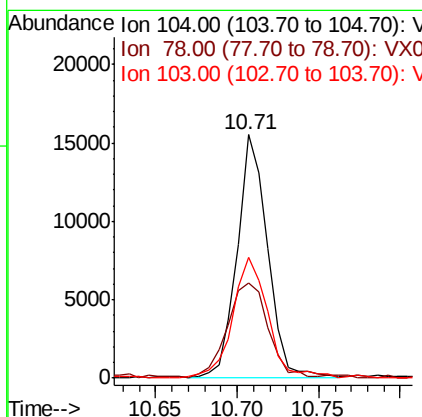
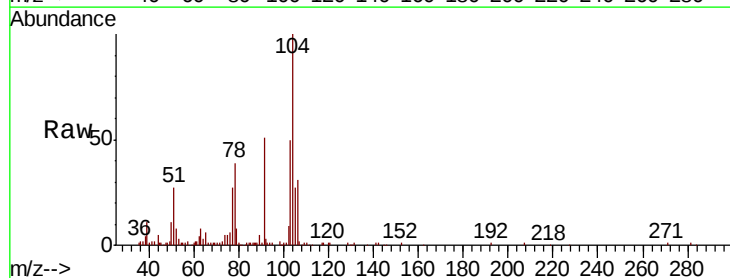
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

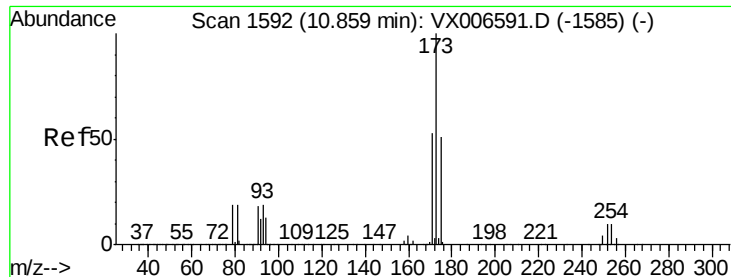
Tgt Ion:106 Resp: 13614
Ion Ratio Lower Upper
106 100
91 193.4 101.3 303.7



#70
Styrene
Concen: 0.993 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX006588.D
Acq: 18 Dec 2018 10:45

Tgt Ion:104 Resp: 20317
Ion Ratio Lower Upper
104 100
78 52.0 37.7 56.5
103 57.7 43.8 65.8

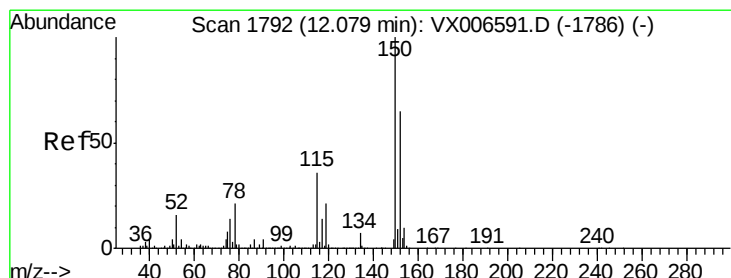
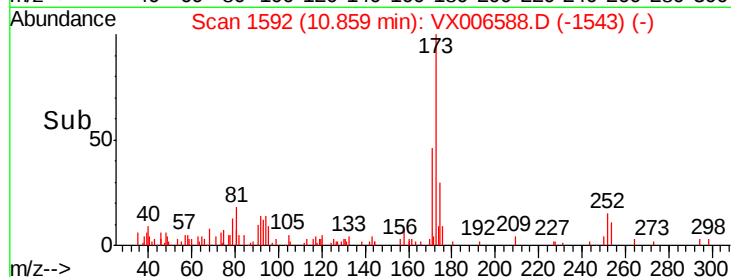
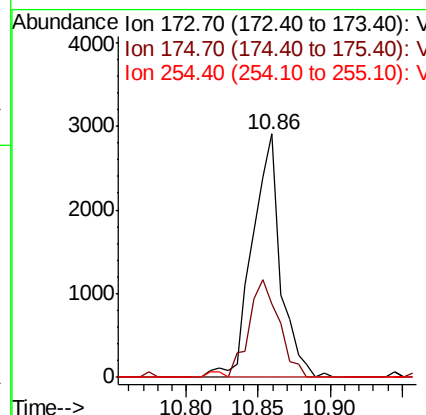
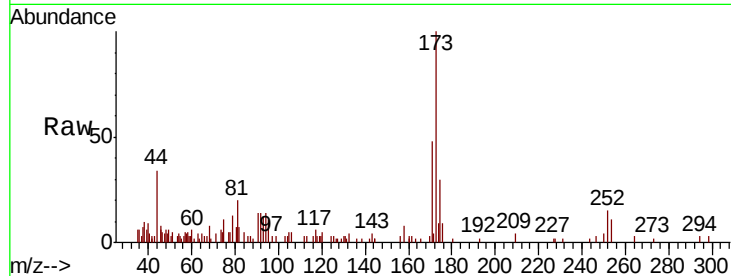




#71
Bromoform
Concen: 0.816 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VX006588.D
Acq: 18 Dec 2018 10:45

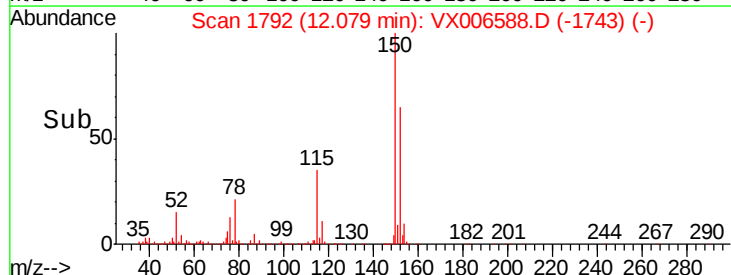
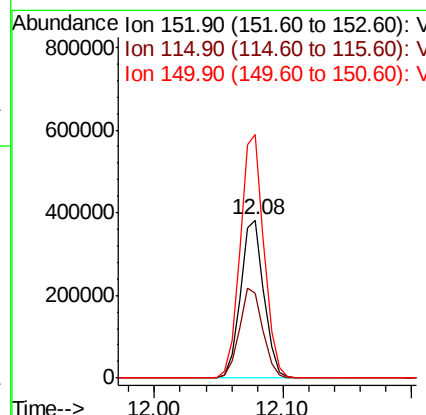
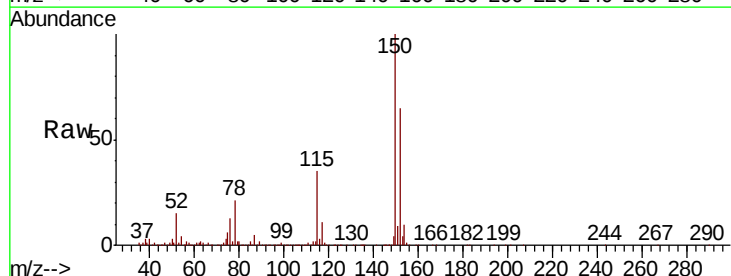
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

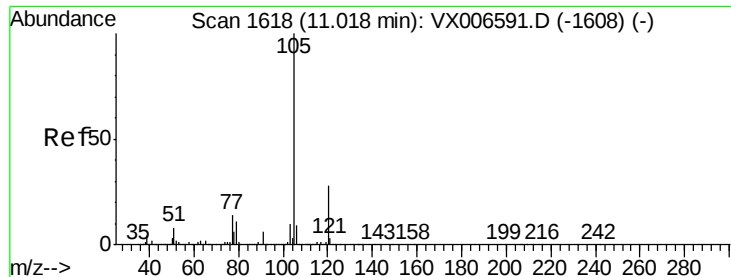
Tgt Ion:173 Resp: 3937
Ion Ratio Lower Upper
173 100
175 42.7 24.7 74.1
254 0.0 0.2 0.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX006588.D
Acq: 18 Dec 2018 10:45

Tgt Ion:152 Resp: 480975
Ion Ratio Lower Upper
152 100
115 57.6 39.1 117.2
150 156.4 0.0 344.8





#73

Isopropylbenzene

Concen: 1.038 ug/l

RT: 11.01 min Scan# 1617

Delta R.T. -0.01 min

Lab File: VX006588.D

Acq: 18 Dec 2018 10:45

Instrument :

MSVOA_X

ClientSampleId :

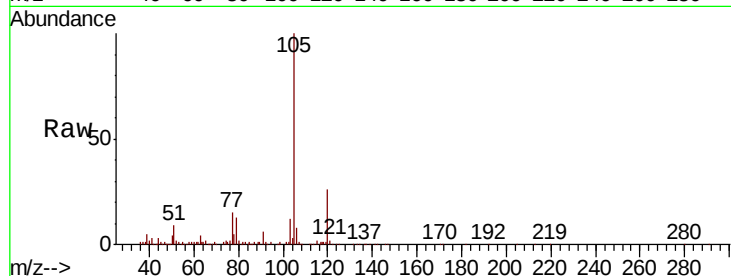
VSTDIC001

Tgt Ion:105 Resp: 34149

Ion Ratio Lower Upper

105 100

120 28.5 14.1 42.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.01

30000

25000

20000

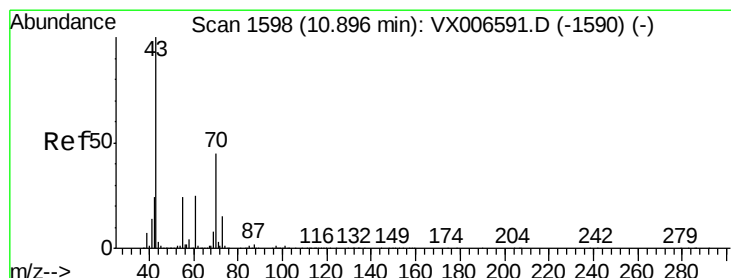
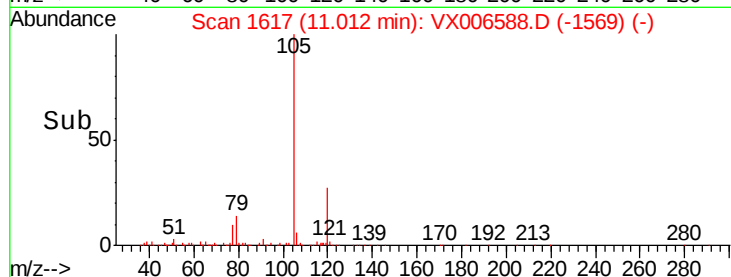
15000

10000

5000

0

Time-->



#74

N-ethyl acetate

Concen: 0.876 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX006588.D

Acq: 18 Dec 2018 10:45

Tgt Ion: 43 Resp: 10312

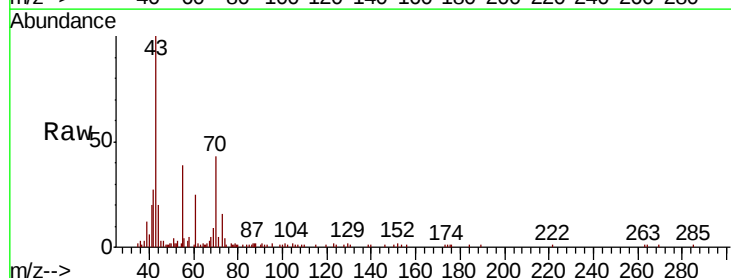
Ion Ratio Lower Upper

43 100

70 46.9 35.8 53.8

55 31.5 19.4 29.0#

61 28.9 20.1 30.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

10000

8000

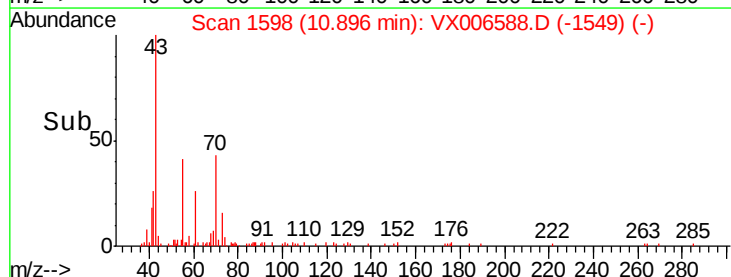
6000

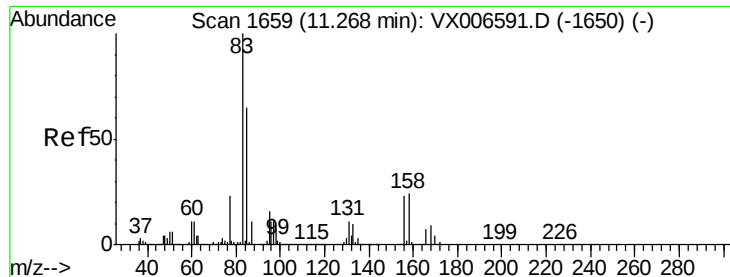
4000

2000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 0.961 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VX006588.D

Acq: 18 Dec 2018 10:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

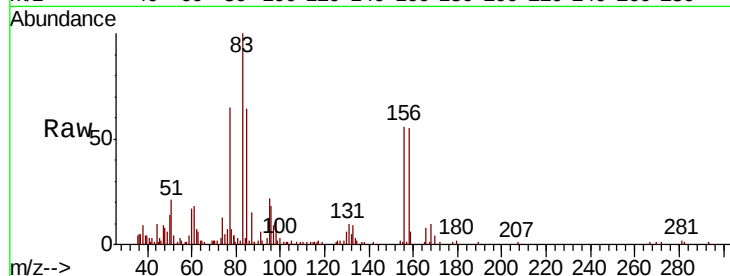
Tgt Ion: 83 Resp: 9405

Ion Ratio Lower Upper

83 100

131 12.0 5.7 17.1

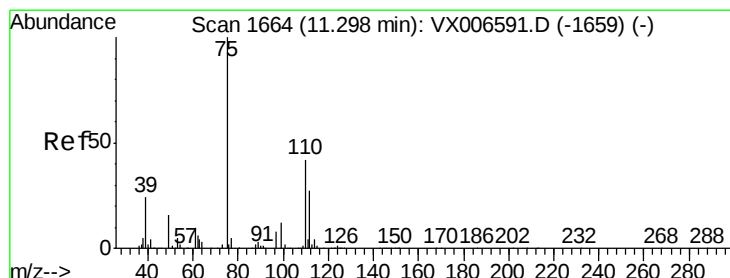
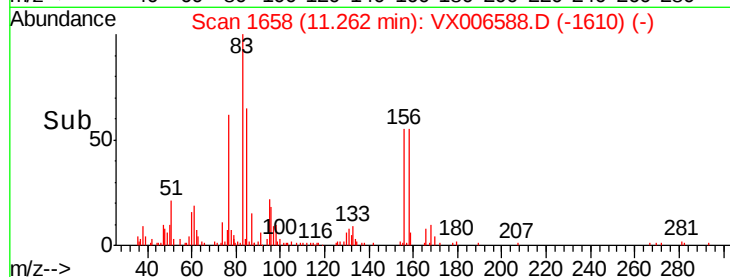
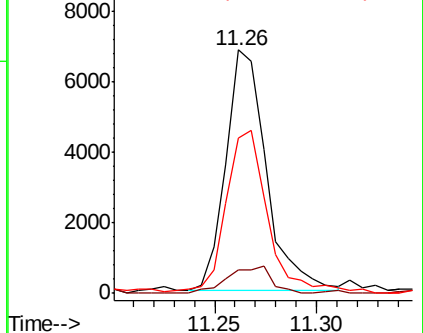
85 70.2 32.2 96.6



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: 1.177 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. -0.01 min

Lab File: VX006588.D

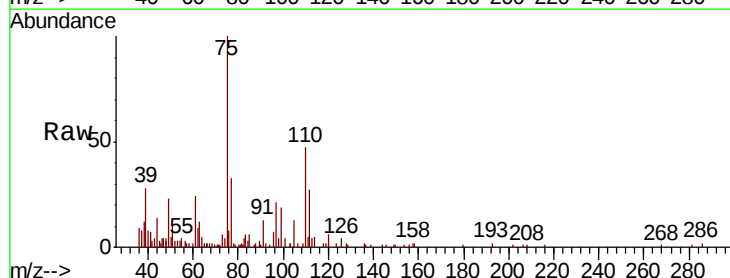
Acq: 18 Dec 2018 10:45

Tgt Ion: 75 Resp: 10031

Ion Ratio Lower Upper

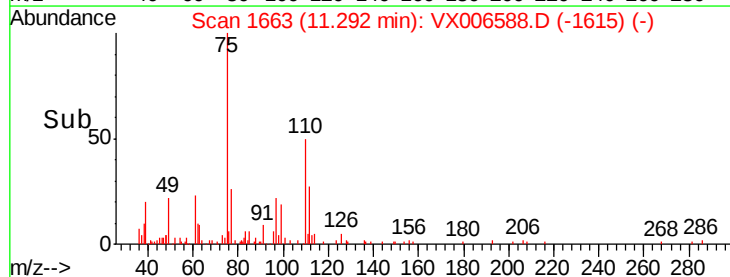
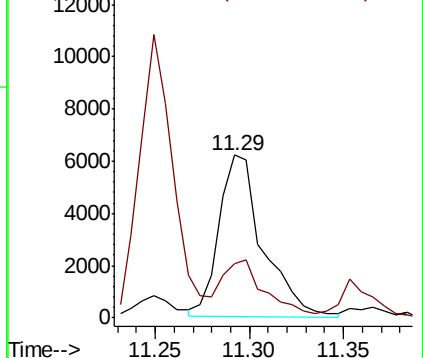
75 100

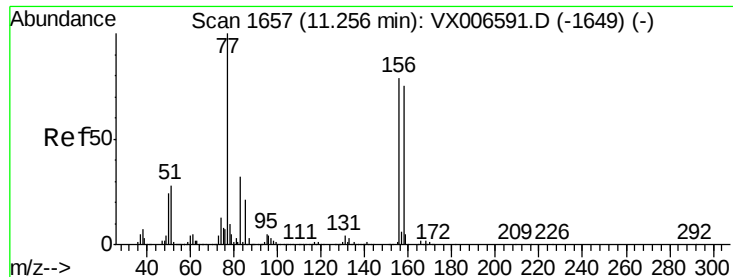
77 34.8 18.5 55.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 1.053 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX006588.D

Acq: 18 Dec 2018 10:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

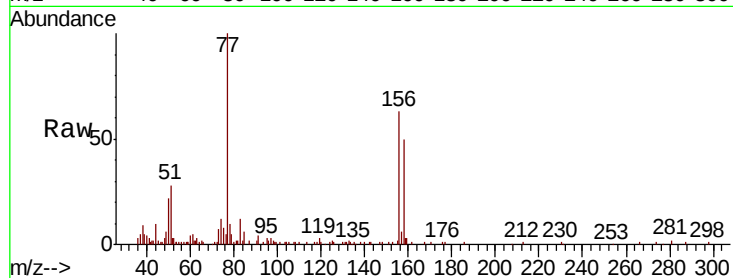
Tgt Ion:156 Resp: 9368

Ion Ratio Lower Upper

156 100

77 147.6 68.0 204.0

158 95.1 48.3 144.8

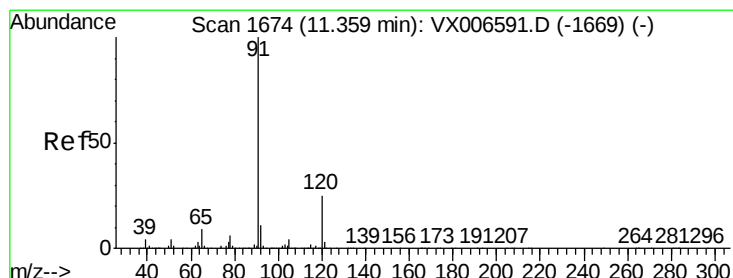
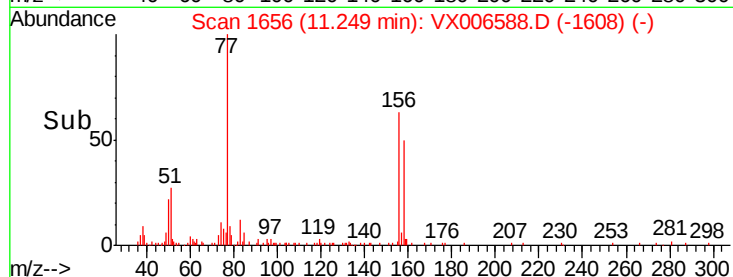
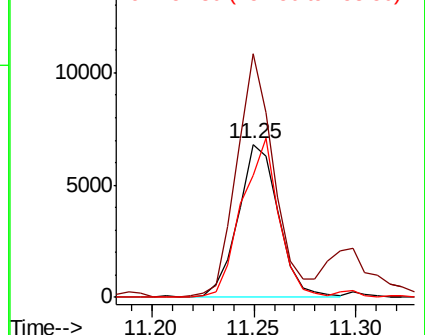


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 1.003 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX006588.D

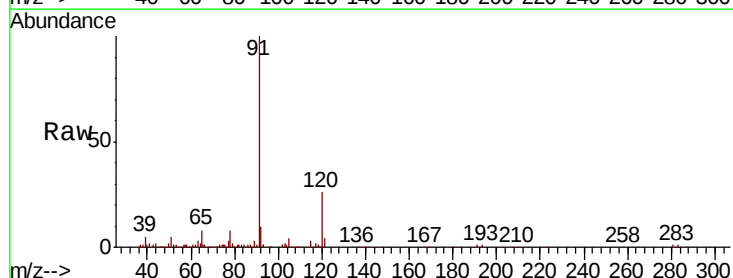
Acq: 18 Dec 2018 10:45

Tgt Ion: 91 Resp: 36337

Ion Ratio Lower Upper

91 100

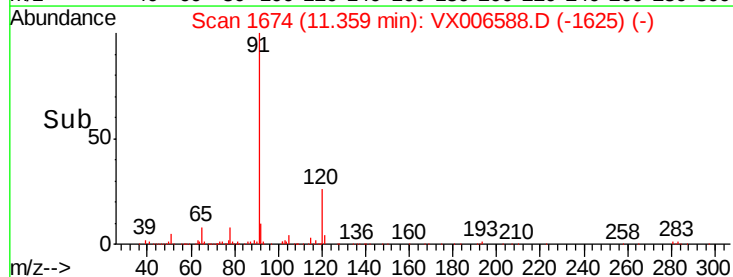
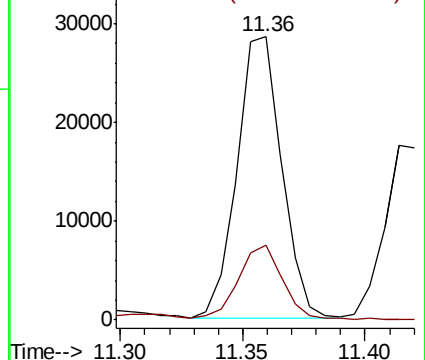
120 26.9 12.7 38.0

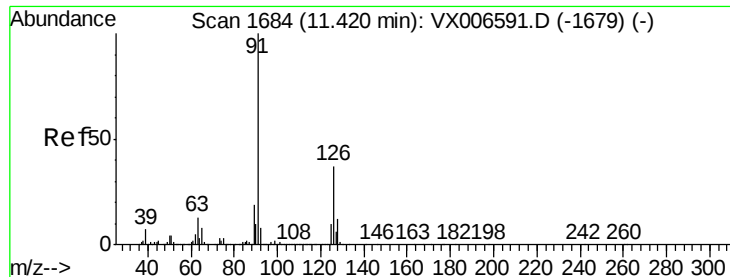


Abundance

Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 1.100 ug/l

RT: 11.41 min Scan# 1683

Delta R.T. -0.01 min

Lab File: VX006588.D

Acq: 18 Dec 2018 10:45

Instrument :

MSVOA_X

ClientSampleId :

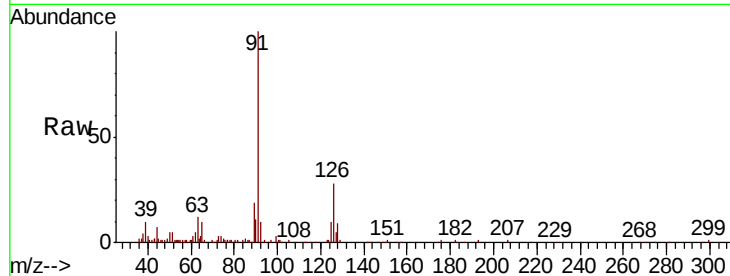
VSTDIC001

Tgt Ion: 91 Resp: 24160

Ion Ratio Lower Upper

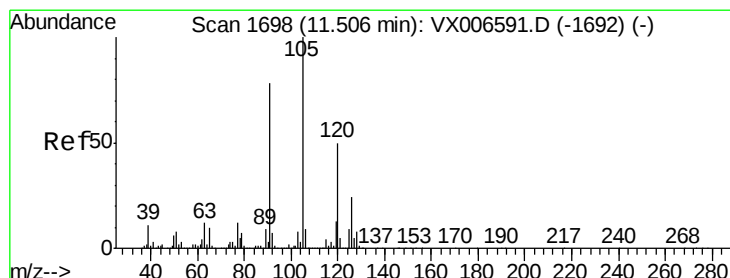
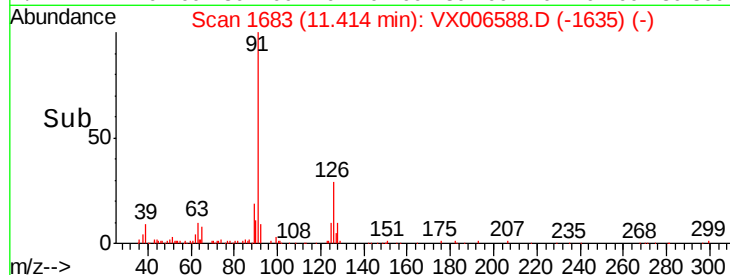
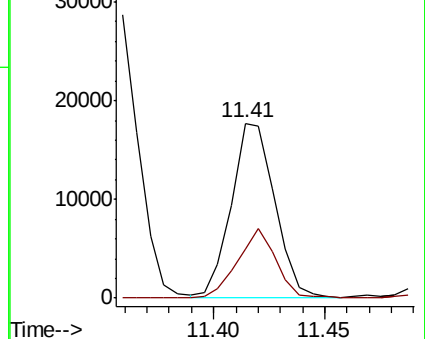
91 100

126 35.2 18.6 56.0



Abundance Ion 91.00 (90.70 to 91.70): VX006591.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX006591.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 1.009 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX006588.D

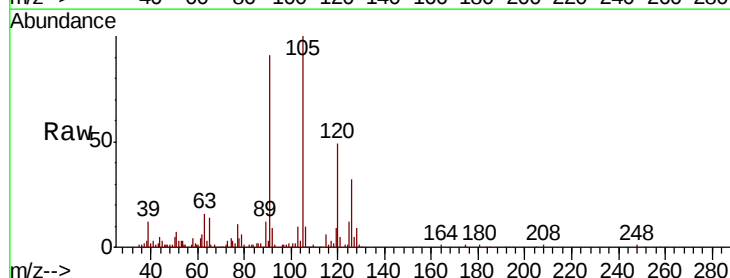
Acq: 18 Dec 2018 10:45

Tgt Ion: 105 Resp: 27351

Ion Ratio Lower Upper

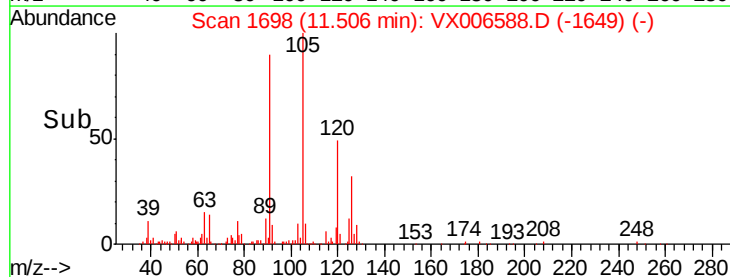
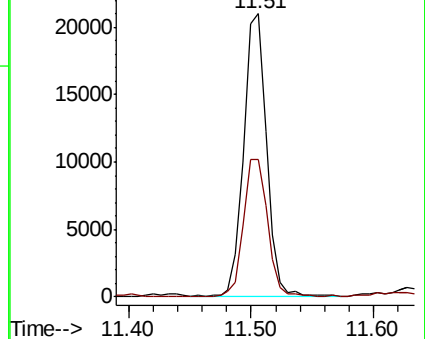
105 100

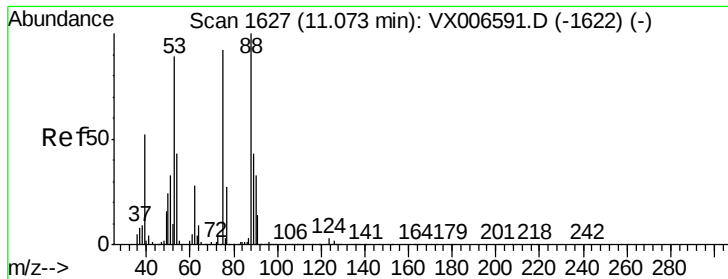
120 51.1 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): VX006591.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX006591.D (-1692) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 0.899 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX006588.D

Acq: 18 Dec 2018 10:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

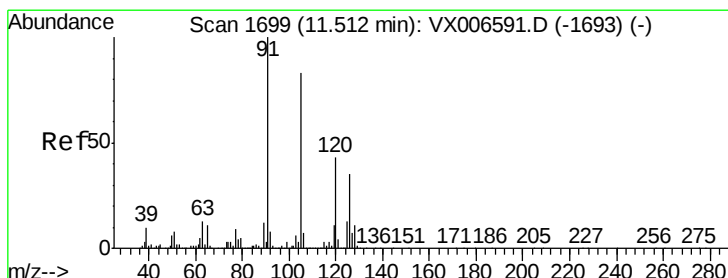
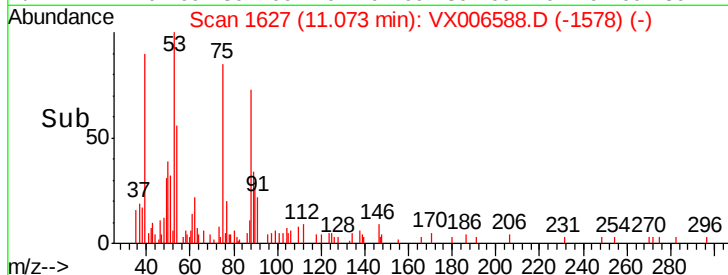
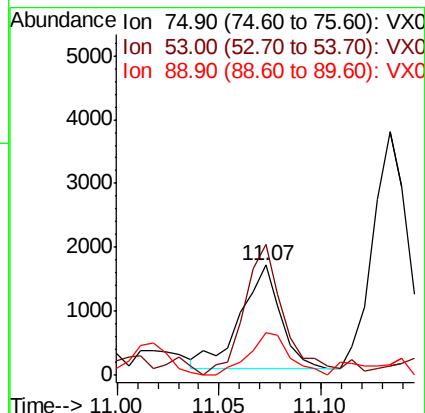
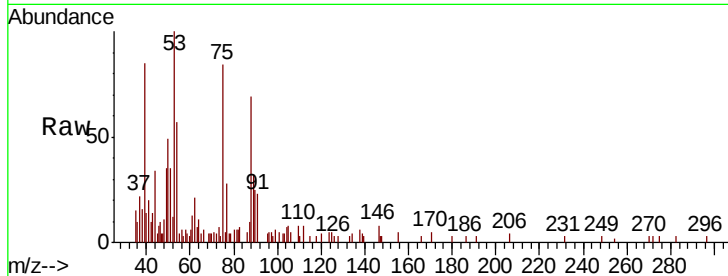
Tgt Ion: 75 Resp: 2243

Ion Ratio Lower Upper

75 100

53 123.7 79.7 119.5#

89 41.3 38.0 57.0



#82

4-Chlorotoluene

Concen: 1.050 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.01 min

Lab File: VX006588.D

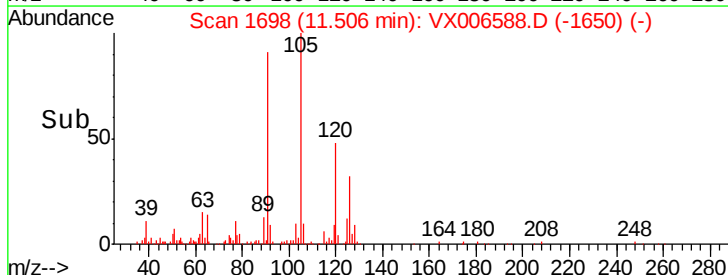
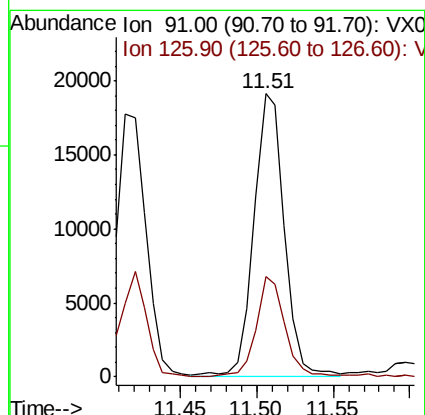
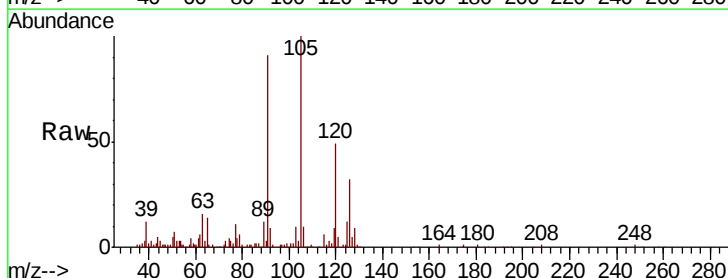
Acq: 18 Dec 2018 10:45

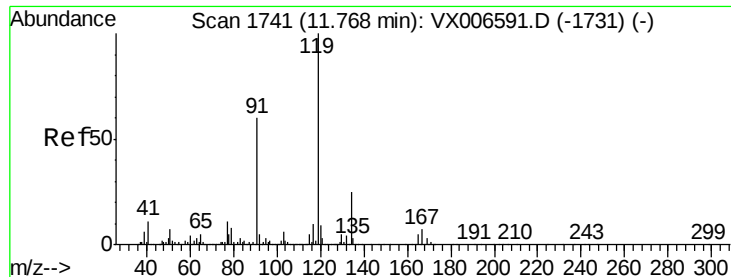
Tgt Ion: 91 Resp: 26450

Ion Ratio Lower Upper

91 100

126 33.6 16.3 48.9

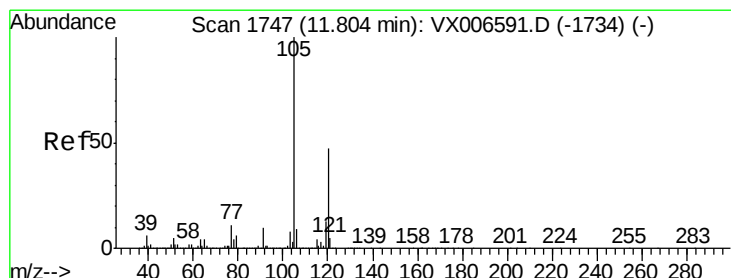
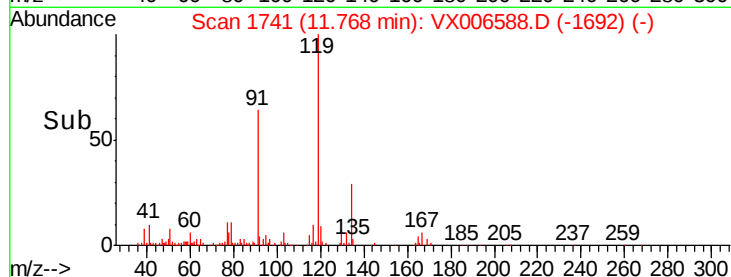
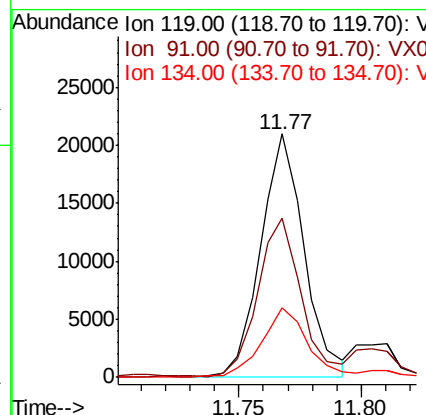
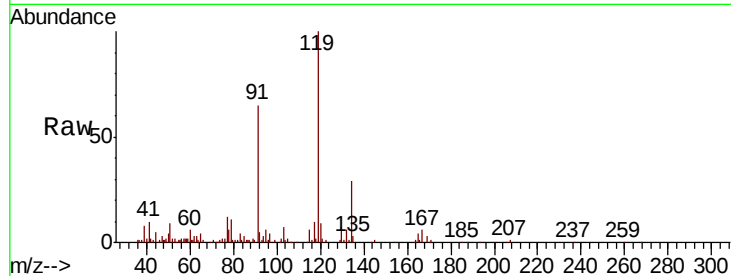




#83
tert-Butylbenzene
Concen: 0.963 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX006588.D
Acq: 18 Dec 2018 10:45

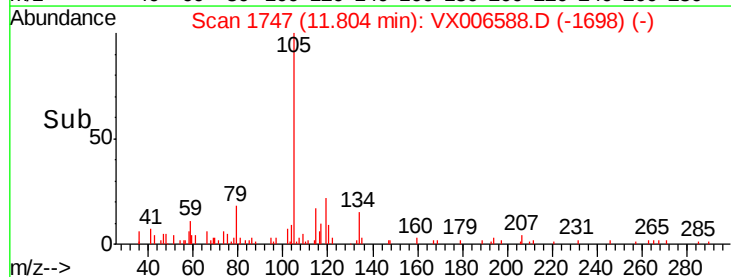
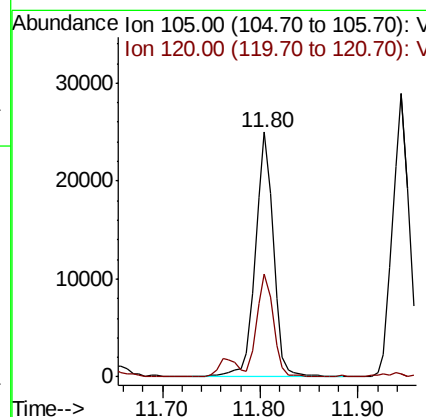
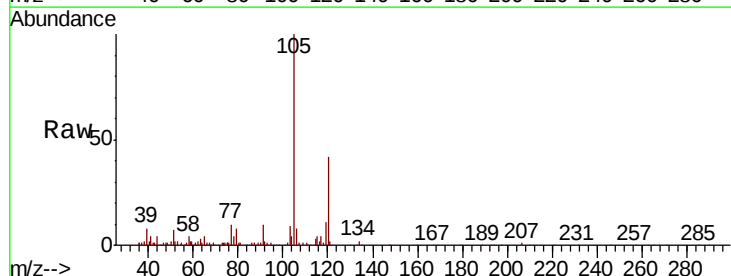
Instrument :
MSVOA_X
ClientSampled :
VSTDIC001

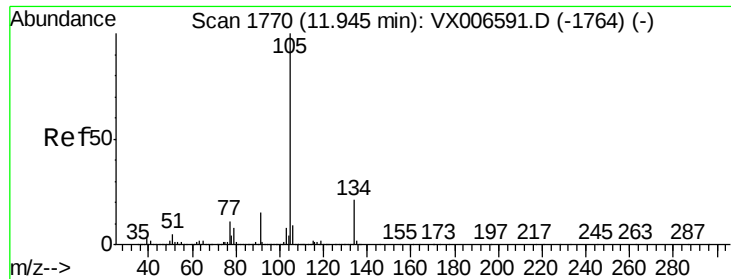
Tgt Ion:119 Resp: 26131
Ion Ratio Lower Upper
119 100
91 65.7 27.7 83.1
134 30.5 11.9 35.5



#84
1,2,4-Trimethylbenzene
Concen: 1.132 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX006588.D
Acq: 18 Dec 2018 10:45

Tgt Ion:105 Resp: 32283
Ion Ratio Lower Upper
105 100
120 38.0 23.2 69.6





#85

sec-Butylbenzene

Concen: 1.040 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX006588.D

Acq: 18 Dec 2018 10:45

Instrument :

MSVOA_X

ClientSampleId :

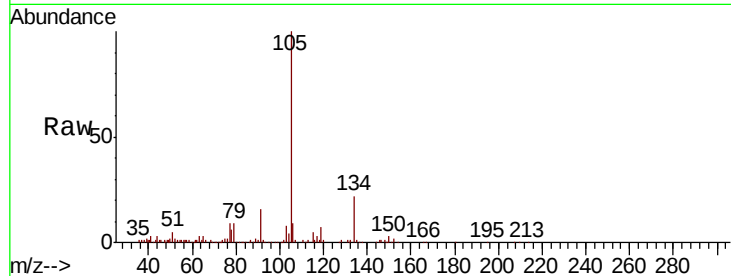
VSTDIC001

Tgt Ion:105 Resp: 34592

Ion Ratio Lower Upper

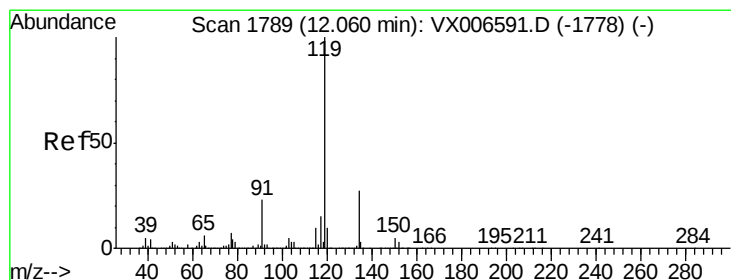
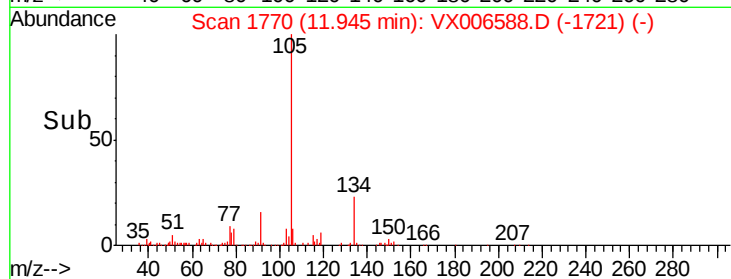
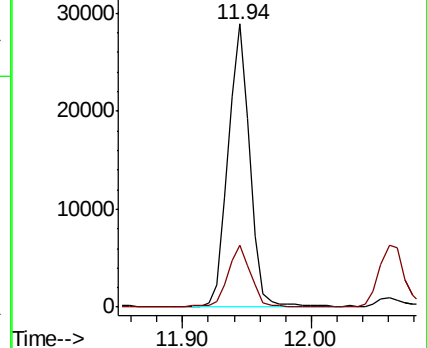
105 100

134 23.2 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.964 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX006588.D

Acq: 18 Dec 2018 10:45

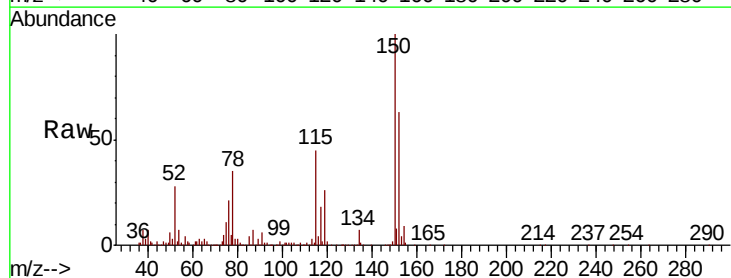
Tgt Ion:119 Resp: 28180

Ion Ratio Lower Upper

119 100

134 30.6 14.0 41.9

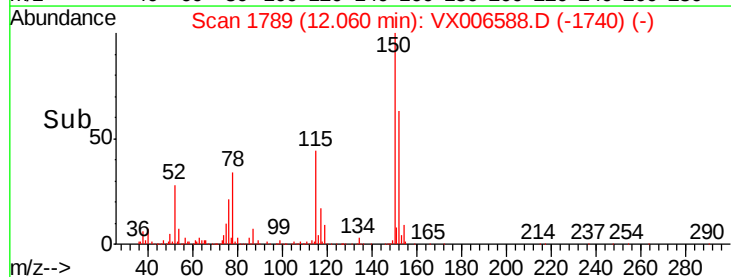
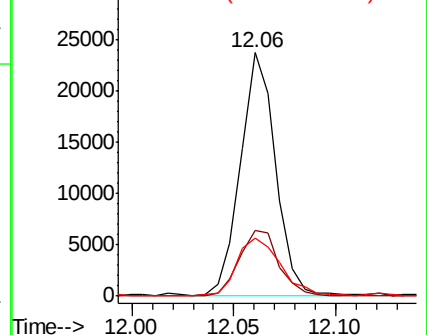
91 30.2 11.3 33.9

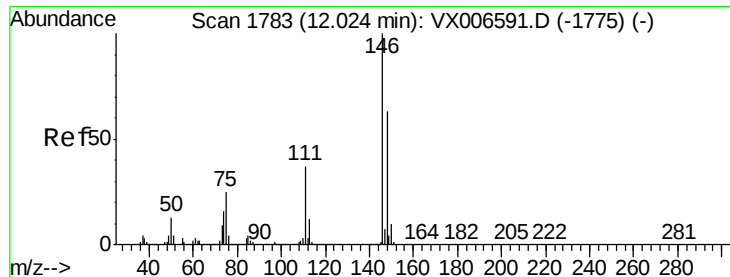


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

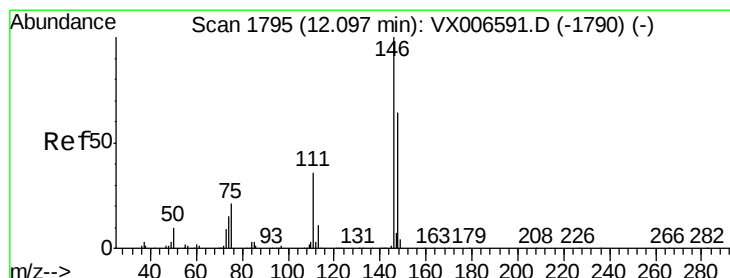
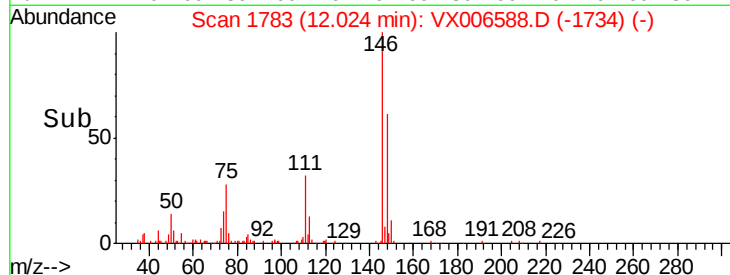
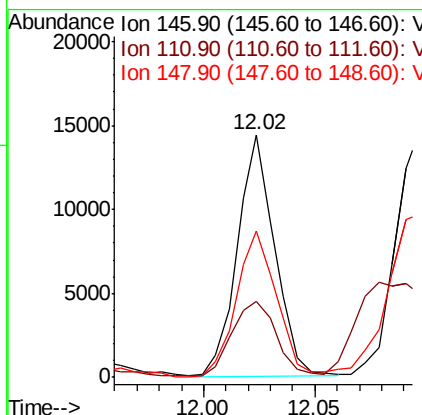
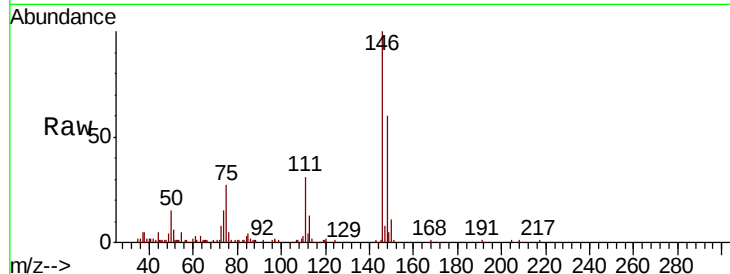




#87
 1,3-Dichlorobenzene
 Concen: 1.051 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX006588.D
 Acq: 18 Dec 2018 10:45

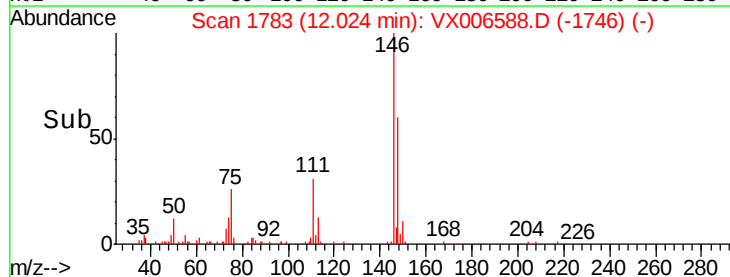
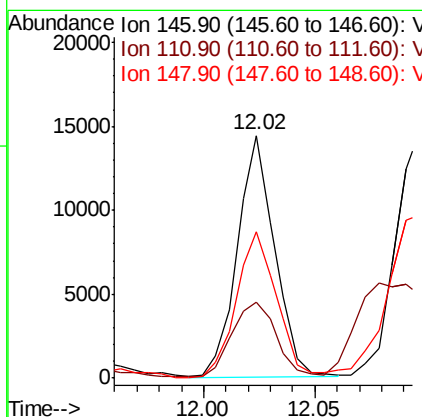
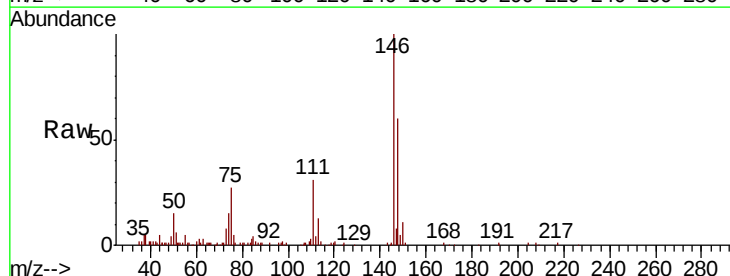
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

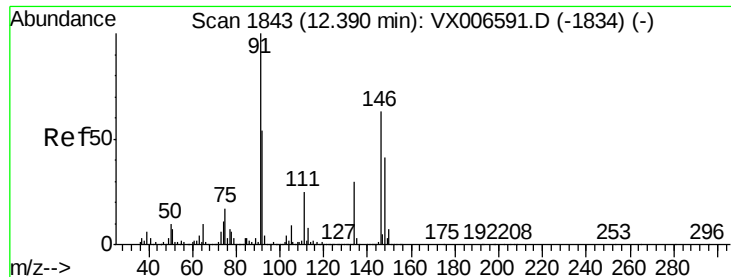
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	18.6	55.8
148	66.2	31.8	95.3



#88
 1,4-Dichlorobenzene
 Concen: 1.025 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.07 min
 Lab File: VX006588.D
 Acq: 18 Dec 2018 10:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	18.1	54.1
148	66.1	31.9	95.9

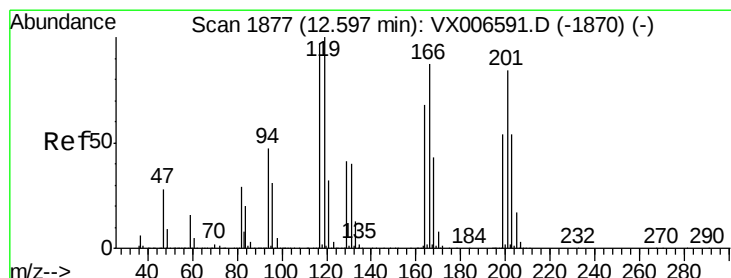
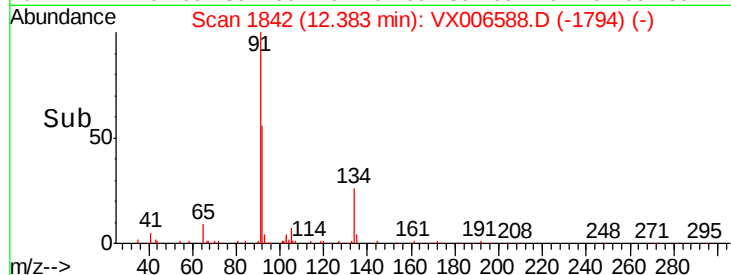
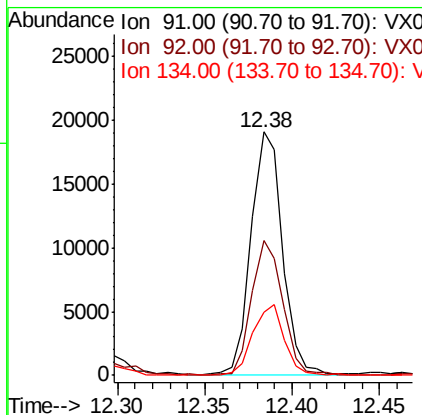
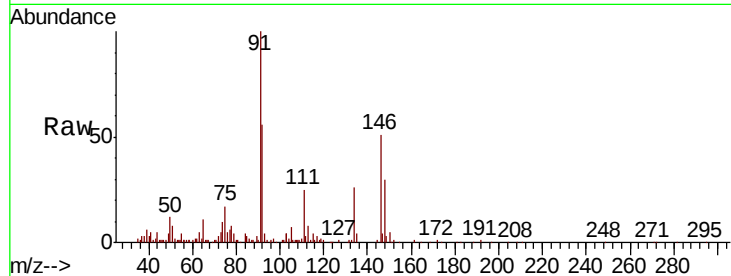




#89
n-Butylbenzene
Concen: 0.966 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.01 min
Lab File: VX006588.D
Acq: 18 Dec 2018 10:45

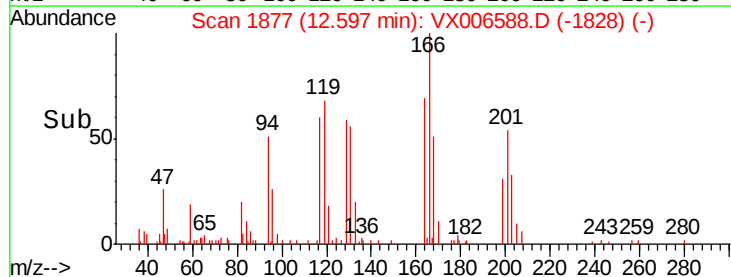
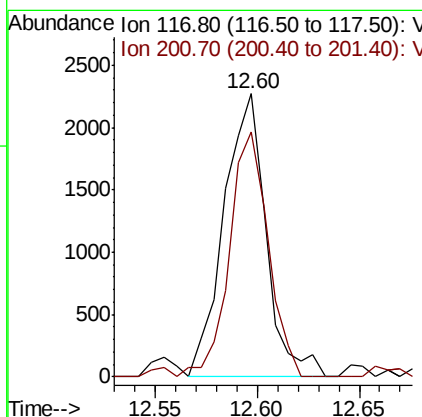
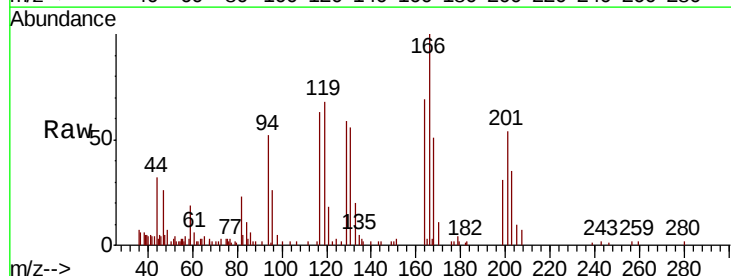
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

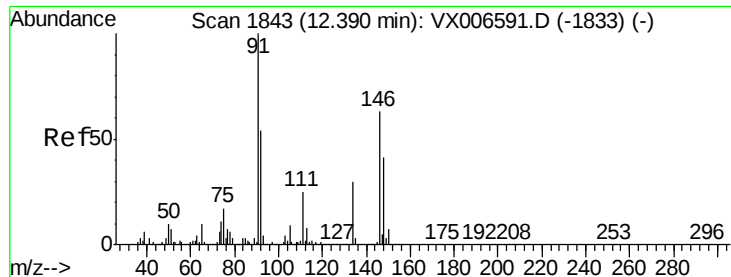
Tgt Ion: 91 Resp: 24040
Ion Ratio Lower Upper
91 100
92 55.1 26.8 80.4
134 28.9 14.4 43.2



#90
Hexachloroethane
Concen: 0.818 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX006588.D
Acq: 18 Dec 2018 10:45

Tgt Ion: 117 Resp: 3257
Ion Ratio Lower Upper
117 100
201 79.2 42.9 128.7





#91

1,2-Dichlorobenzene

Concen: 1.081 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX006588.D

Acq: 18 Dec 2018 10:45

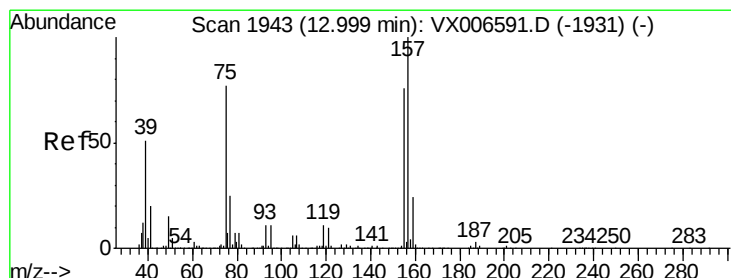
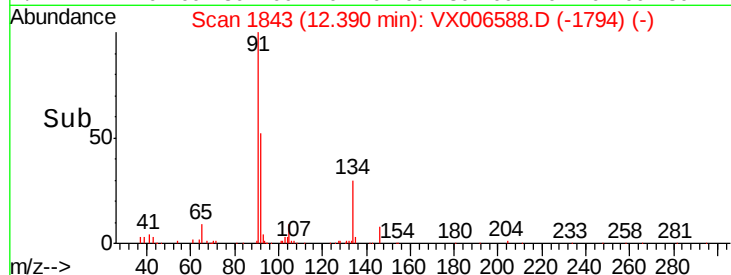
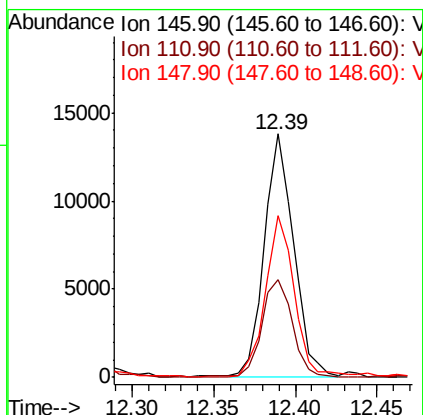
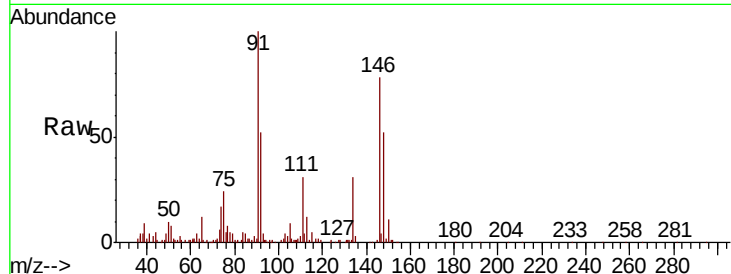
Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion:	146	Resp:	17344
Ion	Ratio	Lower	Upper
146	100		
111	41.7	19.4	58.2
148	66.2	32.3	96.9



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.056 ug/l

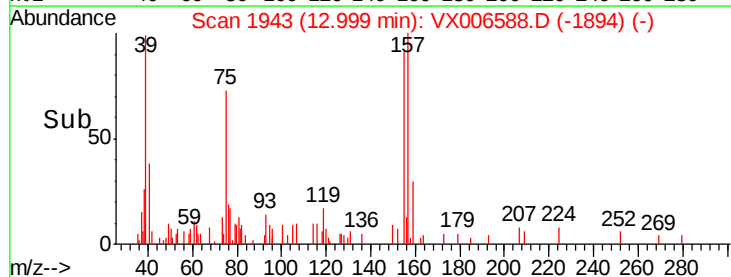
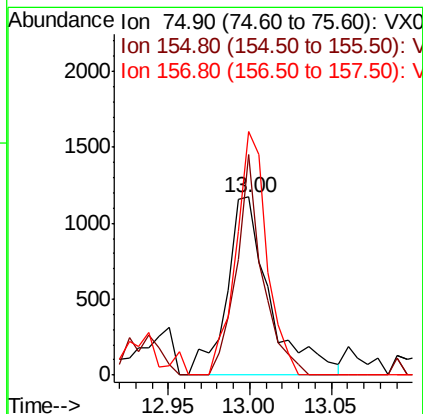
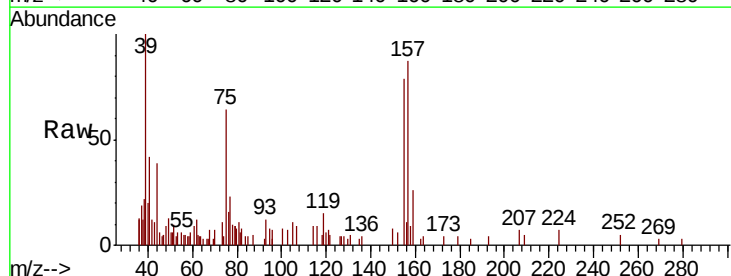
RT: 13.00 min Scan# 1943

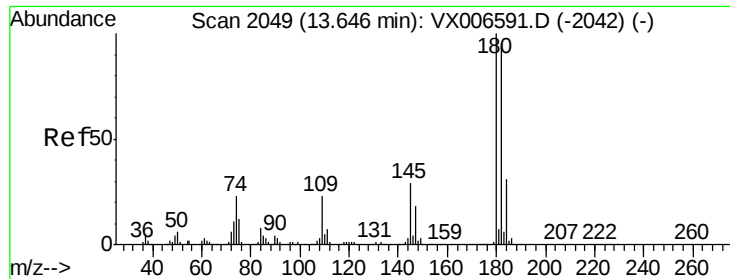
Delta R.T. -0.00 min

Lab File: VX006588.D

Acq: 18 Dec 2018 10:45

Tgt Ion:	75	Resp:	2139
Ion	Ratio	Lower	Upper
75	100		
155	75.2	50.6	151.8
157	98.7	64.6	193.8

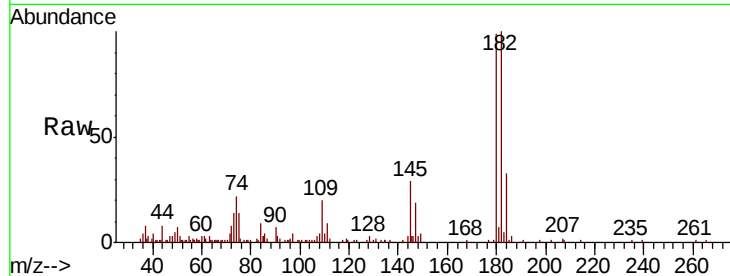




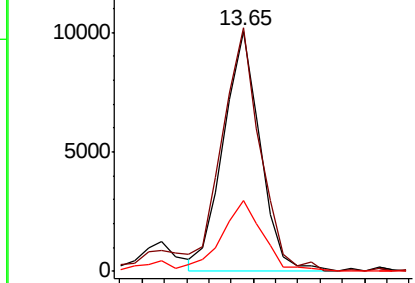
#93
 1,2,4-Trichlorobenzene
 Concen: 1.045 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX006588.D
 Acq: 18 Dec 2018 10:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

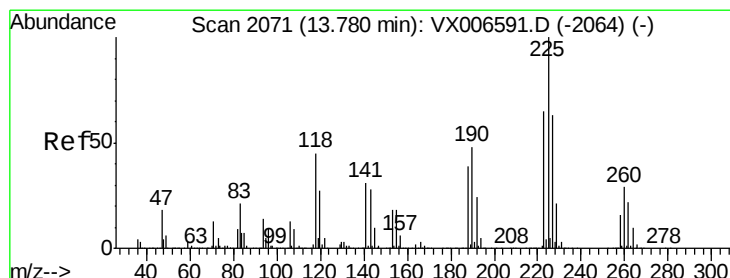
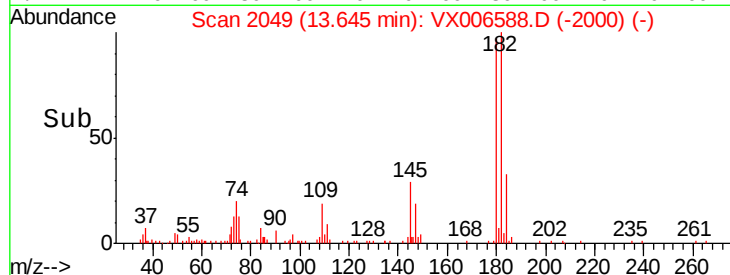
Tgt Ion:180 Resp: 11566
 Ion Ratio Lower Upper
 180 100
 182 104.1 47.3 142.0
 145 33.2 14.8 44.3



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

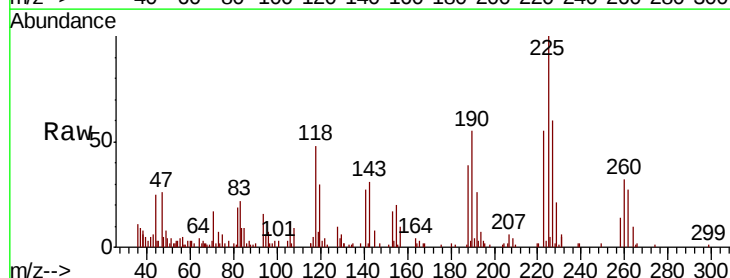


Time-->

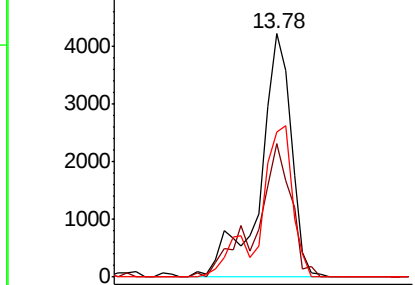


#94
 Hexachlorobutadiene
 Concen: 1.214 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX006588.D
 Acq: 18 Dec 2018 10:45

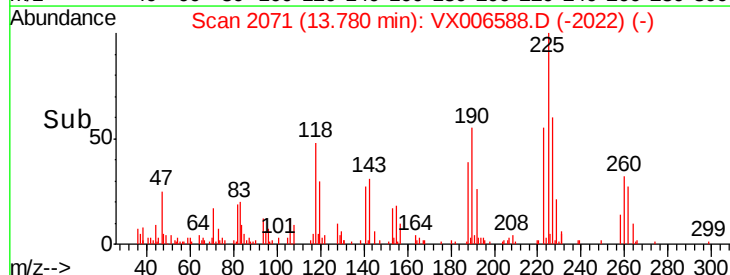
Tgt Ion:225 Resp: 6330
 Ion Ratio Lower Upper
 225 100
 223 61.2 32.1 96.3
 227 52.2 32.3 96.8

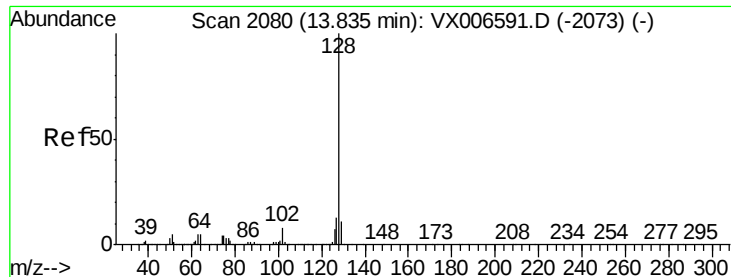


Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V



Time-->





#95

Naphthalene

Concen: 1.134 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX006588.D

Acq: 18 Dec 2018 10:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

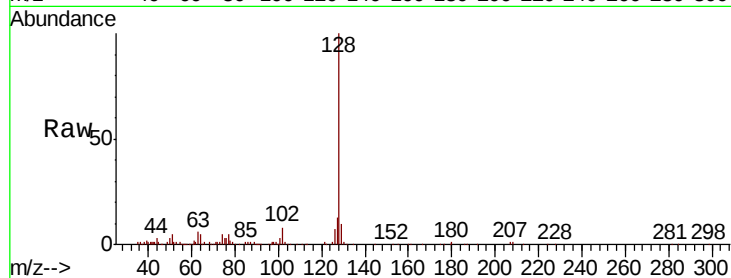
Tgt Ion:128 Resp: 40029

Ion Ratio Lower Upper

128 100

127 12.1 10.1 15.1

129 10.3 8.6 13.0

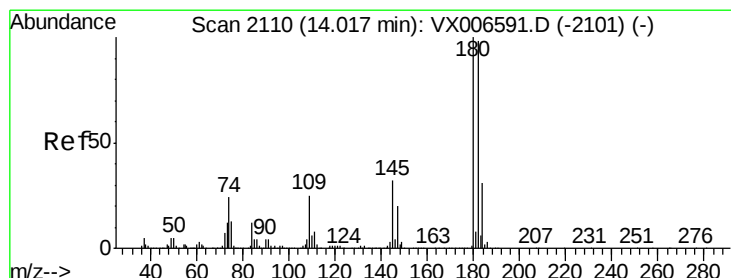
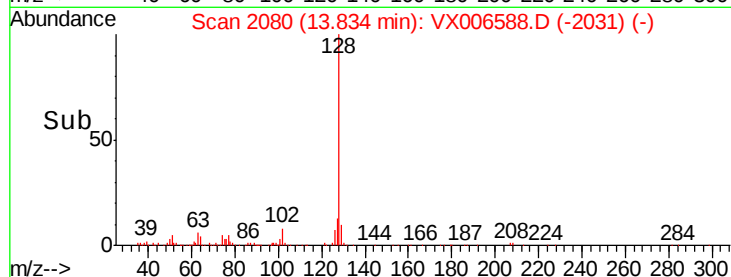
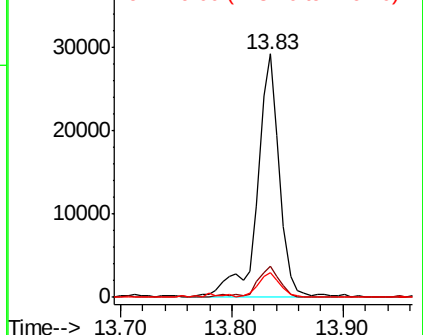


Abundance

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: 1.203 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX006588.D

Acq: 18 Dec 2018 10:45

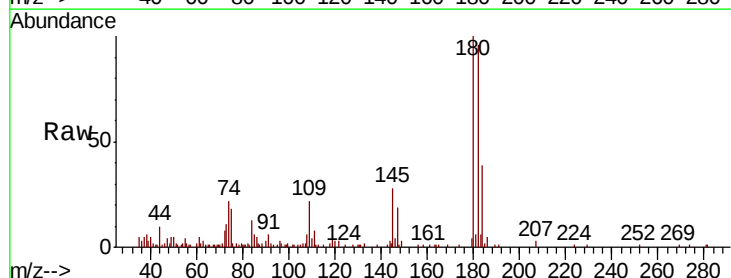
Tgt Ion:180 Resp: 13743

Ion Ratio Lower Upper

180 100

182 91.1 48.5 145.5

145 32.2 16.0 47.9



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

