

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX073118\
 Data File : VX003778.D
 Acq On : 01 Aug 2018 04:44
 Operator : JC/SP
 Sample : J4143-03MSD
 Misc : 10.13G/5.0mL/MSVOA X/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-1(3-5)MSD

Quant Time: Aug 01 06:47:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 11:17:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	74535	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	108173	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	84246	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	36879	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	39585	52.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.02%	
35) Dibromofluoromethane	5.51	113	36865	57.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.76%	
50) Toluene-d8	8.72	98	147338	55.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.96%	
62) 4-Bromofluorobenzene	11.14	95	38461	39.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.56%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.19	85	37778	60.05	ug/l	96
3) Chloromethane	1.32	50	43639	55.18	ug/l	100
4) Vinyl Chloride	1.40	62	46245	54.36	ug/l	94
5) Bromomethane	1.64	94	26401	57.20	ug/l	100
6) Chloroethane	1.72	64	32903	58.49	ug/l	93
7) Trichlorofluoromethane	1.93	101	66768	59.86	ug/l	95
8) Diethyl Ether	2.19	74	26809	63.59	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.39	101	39979	56.50	ug/l	97
10) Methyl Iodide	2.51	142	33018	40.59	ug/l	99
11) Tert butyl alcohol	3.07	59	26124	214.02	ug/l	100
12) 1,1-Dichloroethene	2.37	96	36266	54.44	ug/l	92
13) Acrolein	2.29	56	77	1.93	ug/l #	11
14) Allyl chloride	2.73	41	54777	46.38	ug/l	99
15) Acrylonitrile	3.15	53	71028	228.81	ug/l	97
16) Acetone	2.45	43	102063	354.46	ug/l	99
17) Carbon Disulfide	2.57	76	92019	42.45	ug/l	98
18) Methyl Acetate	2.78	43	85848	106.09	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	118170	65.16	ug/l	99
20) Methylene Chloride	2.86	84	46771	62.47	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	35239	48.27	ug/l	88
22) Diisopropyl ether	3.87	45	136924	64.23	ug/l	92
23) Vinyl Acetate	3.82	43	89273	58.06	ug/l	96
24) 1,1-Dichloroethane	3.70	63	76166	61.26	ug/l	95
25) 2-Butanone	4.70	43	98593	234.88	ug/l	99
26) 2,2-Dichloropropane	4.59	77	41498	42.38	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	39919	50.74	ug/l	99
28) Bromochloromethane	5.02	49	29322	52.58	ug/l	91
29) Tetrahydrofuran	5.15	42	58096	217.18	ug/l	98
30) Chloroform	5.21	83	74061	60.45	ug/l	86
31) Cyclohexane	5.57	56	61208	50.97	ug/l #	92
32) 1,1,1-Trichloroethane	5.50	97	60919	57.86	ug/l	98
36) 1,1-Dichloropropene	5.80	75	49273	48.64	ug/l	98
37) Ethyl Acetate	4.85	43	29391	37.77	ug/l	99
38) Carbon Tetrachloride	5.79	117	48016	51.24	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 11:17:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	47965	38.56	ug/l	97
40) Benzene	6.15	78	149089	51.36	ug/l	92
41) Methacrylonitrile	5.06	41	20929	47.71	ug/l	96
42) 1,2-Dichloroethane	6.20	62	49029	55.92	ug/l	98
43) Isopropyl Acetate	6.46	43	58664	47.31	ug/l	98
44) Trichloroethene	7.21	130	40350	48.72	ug/l	87
45) 1,2-Dichloropropane	7.52	63	39716	55.63	ug/l	96
46) Dibromomethane	7.67	93	20856	50.70	ug/l	93
47) Bromodichloromethane	7.90	83	44716	54.54	ug/l	93
48) Methyl methacrylate	7.77	41	35570	57.19	ug/l	94
49) 1,4-Dioxane	7.75	88	10087	803.59	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	210731	276.56	ug/l	97
52) Toluene	8.79	92	107260	59.23	ug/l	95
53) t-1,3-Dichloropropene	9.04	75	46648	49.82	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	51165	49.02	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	40757	65.40	ug/l	95
56) Ethyl methacrylate	9.18	69	45365	52.99	ug/l	96
57) 1,3-Dichloropropane	9.37	76	64211	61.38	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	110938	243.29	ug/l	98
59) 2-Hexanone	9.49	43	138883	239.25	ug/l	98
60) Dibromochloromethane	9.59	129	34726	55.33	ug/l	99
61) 1,2-Dibromoethane	9.68	107	32111	50.46	ug/l	99
64) Tetrachloroethene	9.34	164	44455	67.13	ug/l	96
65) Chlorobenzene	10.14	112	90338	51.31	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	33991	59.21	ug/l	100
67) Ethyl Benzene	10.26	91	155133	52.19	ug/l	99
68) m/p-Xylenes	10.36	106	118065	101.53	ug/l	96
69) o-Xylene	10.70	106	64652	59.88	ug/l	98
70) Styrene	10.71	104	97023	53.41	ug/l	98
71) Bromoform	10.86	173	21956	55.62	ug/l #	99
73) Isopropylbenzene	11.02	105	146922	63.64	ug/l	99
74) N-amyl acetate	6.46	43	58664	71.69	ug/l #	56
75) 1,1,2,2-Tetrachloroethane	11.27	83	42661	71.07	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	41951	82.53	ug/l	82
77) Bromobenzene	11.26	156	37018	61.50	ug/l	94
78) n-propylbenzene	11.36	91	163955	58.62	ug/l	98
79) 2-Chlorotoluene	11.42	91	95846	60.36	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	117744	59.75	ug/l #	68
81) trans-1,4-Dichloro-2-buten	11.08	75	7599	44.28	ug/l	87
82) 4-Chlorotoluene	11.51	91	111031	57.65	ug/l	99
83) tert-Butylbenzene	11.77	119	120466	61.81	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	132686	65.41	ug/l	99
85) sec-Butylbenzene	11.94	105	136448	54.72	ug/l	99
86) p-Isopropyltoluene	12.07	119	120781	53.29	ug/l #	71
87) 1,3-Dichlorobenzene	12.02	146	64020	52.58	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	61104	49.19	ug/l	100
89) n-Butylbenzene	12.39	91	88099	40.84	ug/l	99
90) Hexachloroethane	12.60	117	17564	52.19	ug/l	96
91) 1,2-Dichlorobenzene	12.40	146	59260	52.26	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	7171	60.21	ug/l	94

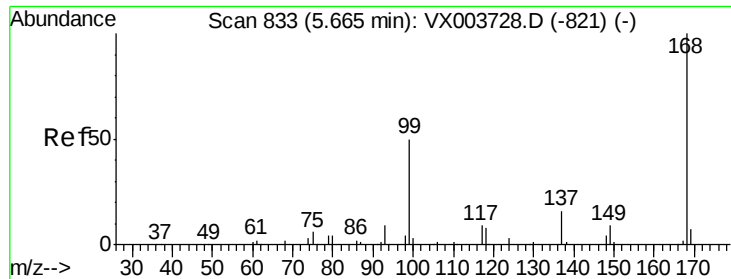
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	25832	28.72	ug/l	99
94) Hexachlorobutadiene	13.79	225	12728	22.13	ug/l	100
95) Naphthalene	13.83	128	150893	78.50	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	23636	28.95	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003778.D

Acq: 01 Aug 2018 04:44

Instrument :

MSVOA_X

ClientSampleId :

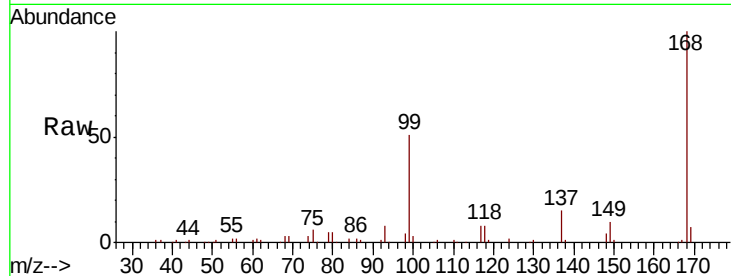
SB-1(3-5)MSD

Tot Ion:168 Resp: 74535

Ion Ratio Lower Upper

168 100

99 51.2 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

30000

25000

20000

15000

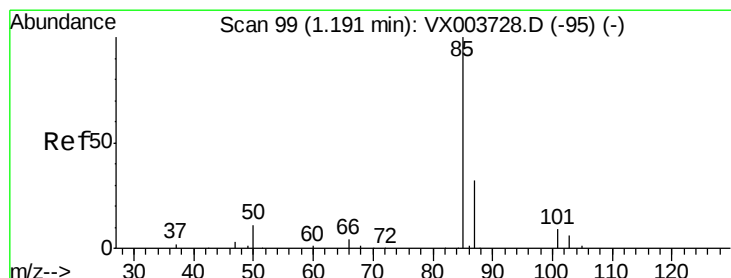
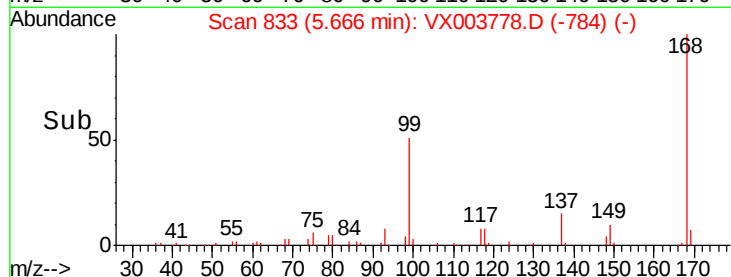
10000

5000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 60.05 ug/l

RT: 1.19 min Scan# 99

Delta R.T. 0.00 min

Lab File: VX003778.D

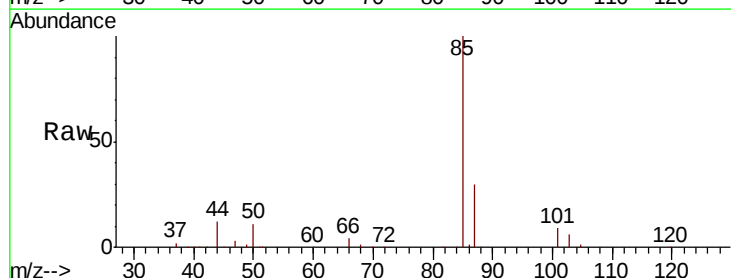
Acq: 01 Aug 2018 04:44

Tgt Ion: 85 Resp: 37778

Ion Ratio Lower Upper

85 100

87 29.9 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

40000

30000

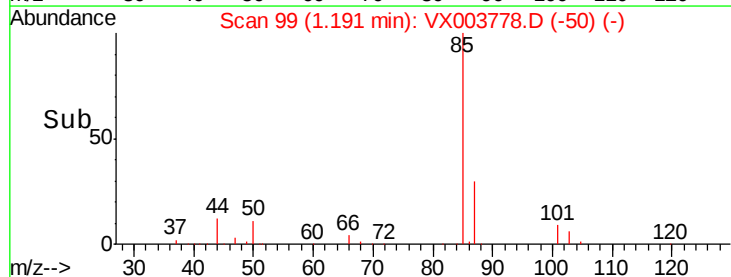
20000

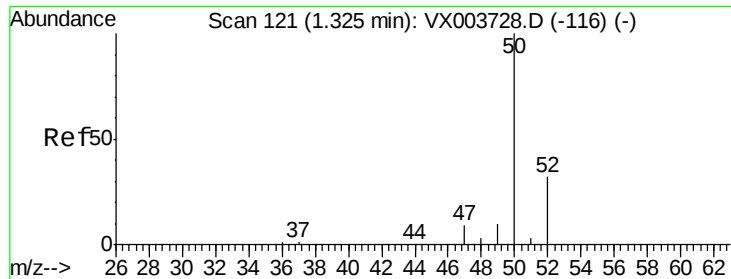
10000

0

Time-->

1.15 1.20 1.25





#3

Chloromethane

Concen: 55.18 ug/l

RT: 1.32 min Scan# 120

Delta R.T. -0.01 min

Lab File: VX003778.D

Acq: 01 Aug 2018 04:44

Instrument :

MSVOA_X

ClientSampleId :

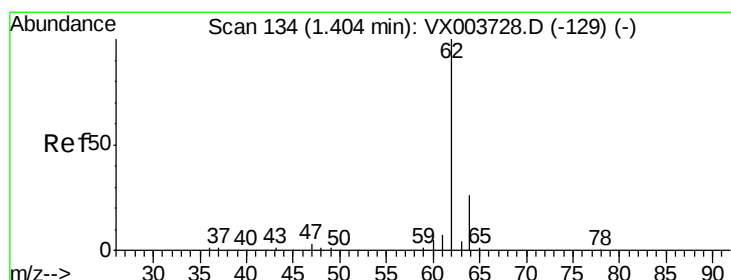
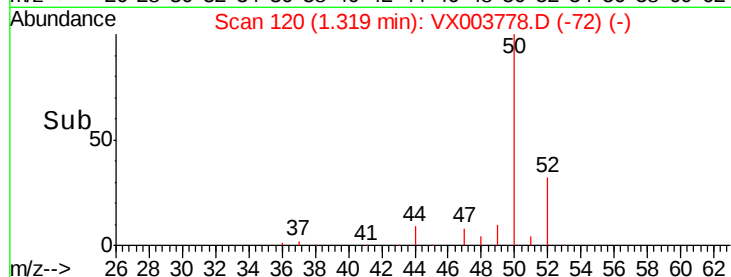
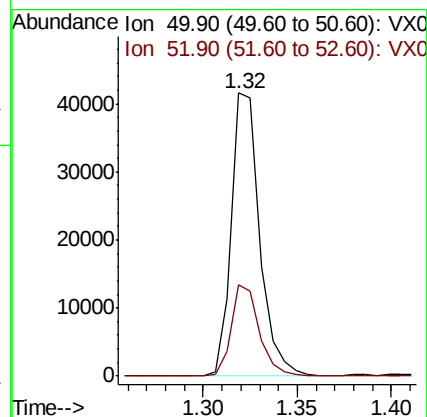
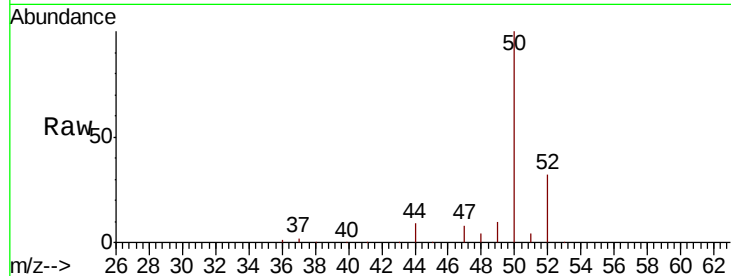
SB-1(3-5)MSD

Tot Ion: 50 Resp: 43639

Ion Ratio Lower Upper

50 100

52 32.2 25.9 38.9



#4

Vinyl Chloride

Concen: 54.36 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003778.D

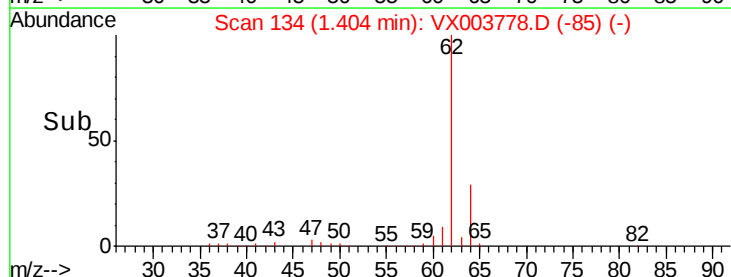
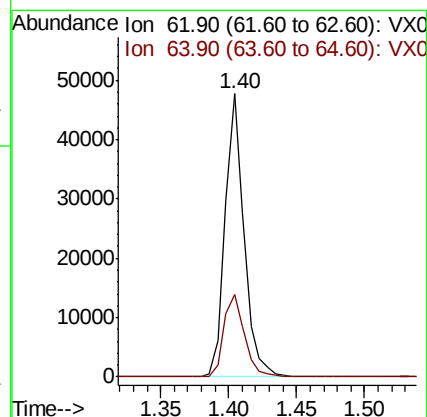
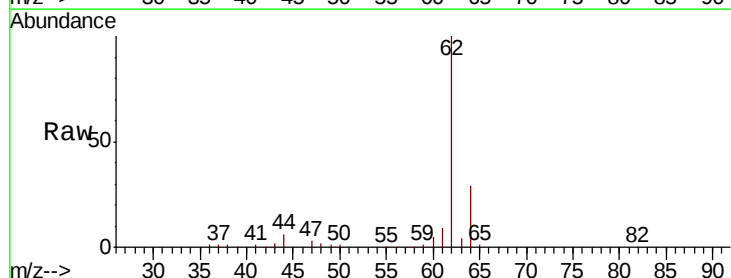
Acq: 01 Aug 2018 04:44

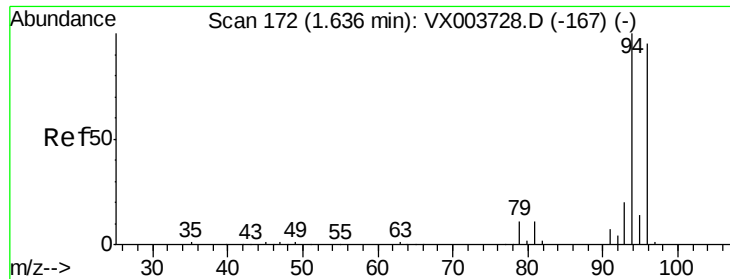
Tgt Ion: 62 Resp: 46245

Ion Ratio Lower Upper

62 100

64 29.3 21.0 31.4





#5

Bromomethane

Concen: 57.20 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003778.D

Acq: 01 Aug 2018 04:44

Instrument :

MSVOA_X

ClientSampleId :

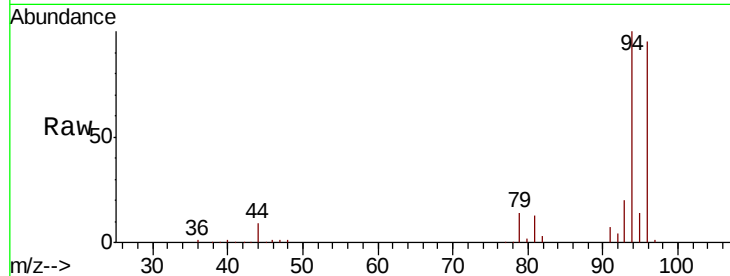
SB-1(3-5)MSD

Tot Ion: 94 Resp: 26401

Ion Ratio Lower Upper

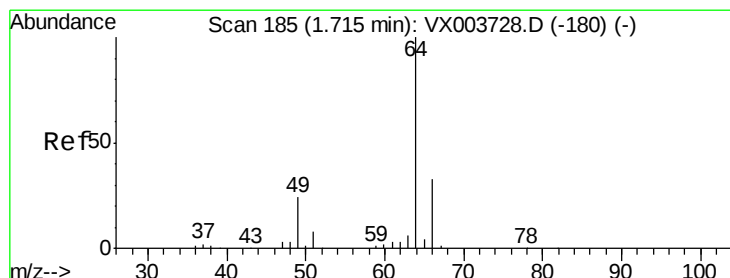
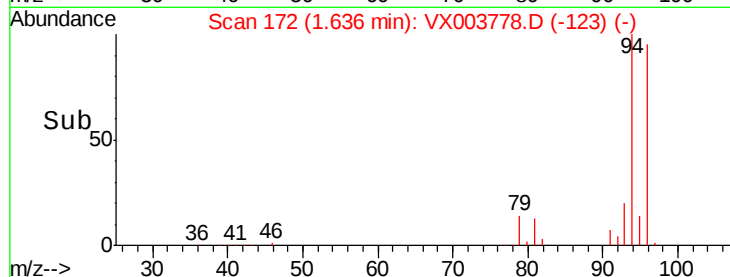
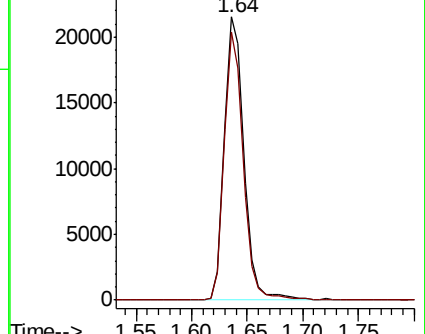
94 100

96 94.8 76.0 114.0



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 58.49 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX003778.D

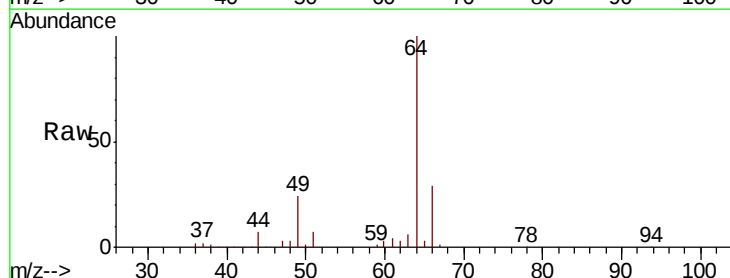
Acq: 01 Aug 2018 04:44

Tgt Ion: 64 Resp: 32903

Ion Ratio Lower Upper

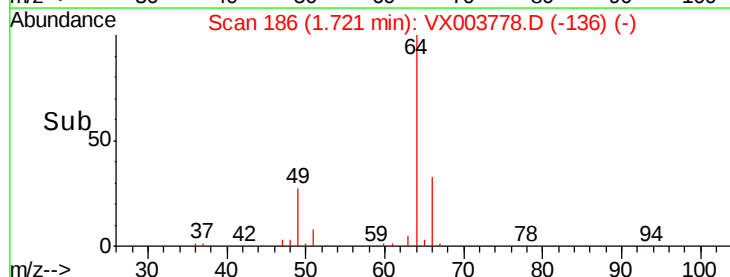
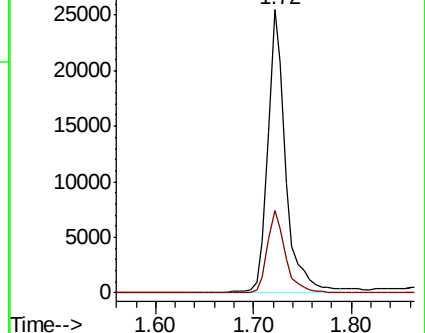
64 100

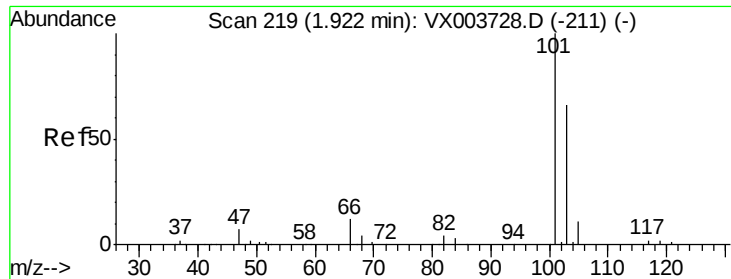
66 29.1 26.4 39.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

Trichlorofluoromethane

Concen: 59.86 ug/l

RT: 1.93 min Scan# 220

Delta R.T. 0.01 min

Lab File: VX003778.D

Acq: 01 Aug 2018 04:44

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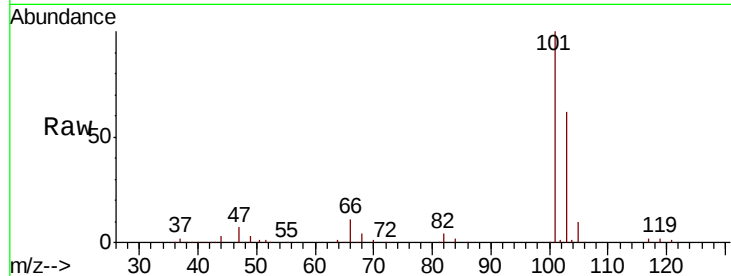
SB-1(3-5)MSD

Tot Ion:101 Resp: 66768

Ion Ratio Lower Upper

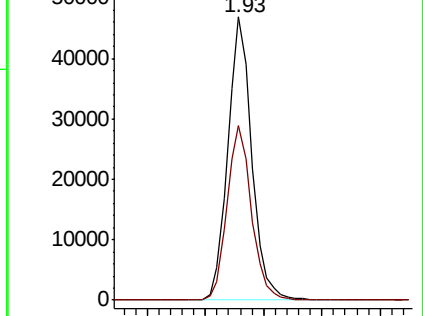
101 100

103 61.9 52.6 78.8

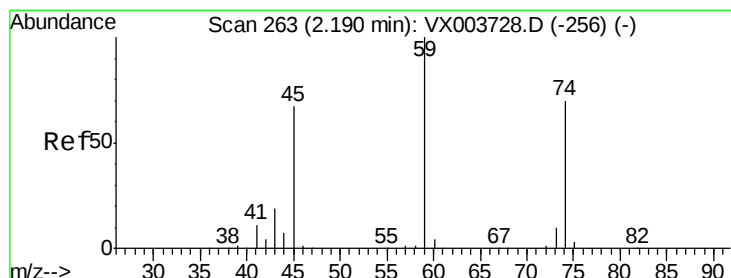
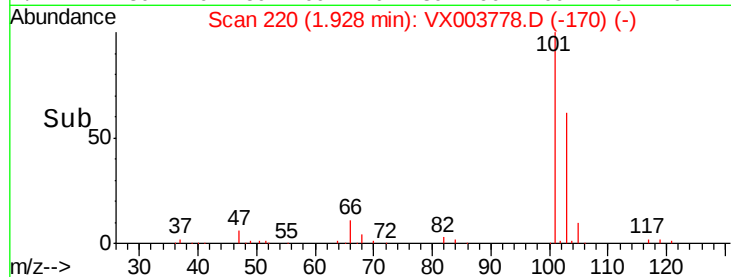


Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



Time-->



#8

Diethyl Ether

Concen: 63.59 ug/l

RT: 2.19 min Scan# 263

Delta R.T. 0.00 min

Lab File: VX003778.D

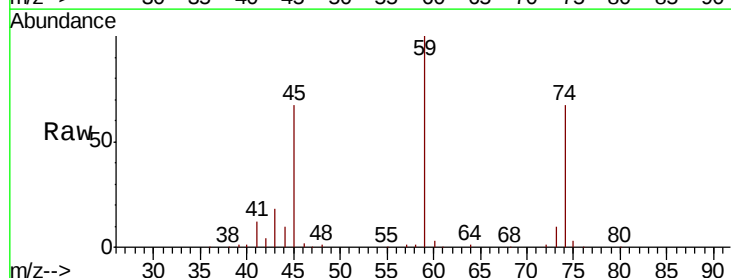
Acq: 01 Aug 2018 04:44

Tgt Ion: 74 Resp: 26809

Ion Ratio Lower Upper

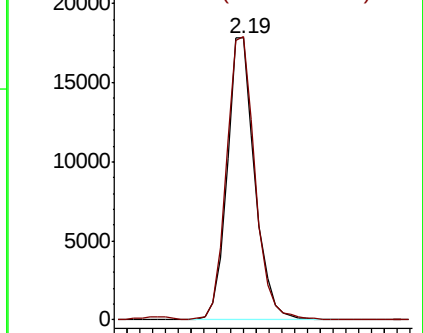
74 100

45 103.7 49.5 148.7

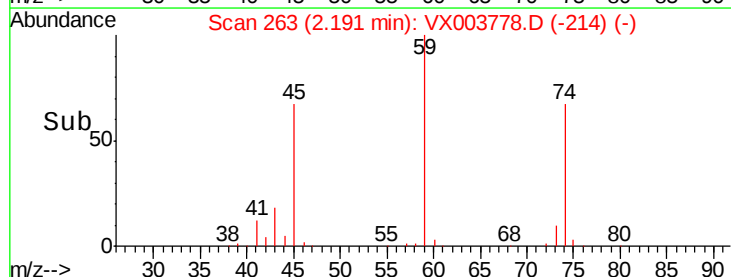


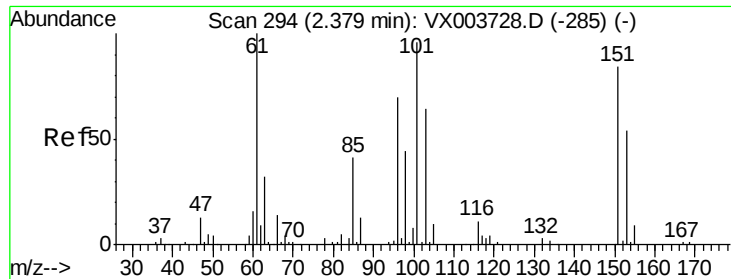
Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 56.50 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX003778.D

Acq: 01 Aug 2018 04:44

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ClientSampleId :

SB-1(3-5)MSD

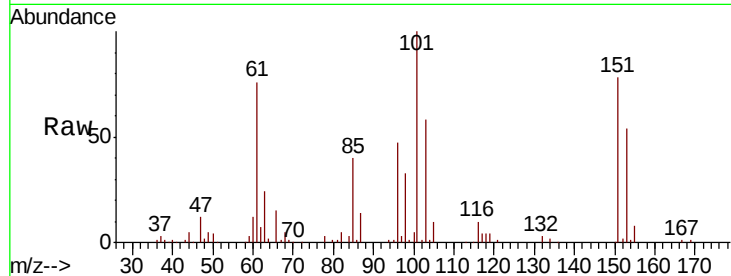
Tot Ion:101 Resp: 39979

Ion Ratio Lower Upper

101 100

85 42.6 33.3 49.9

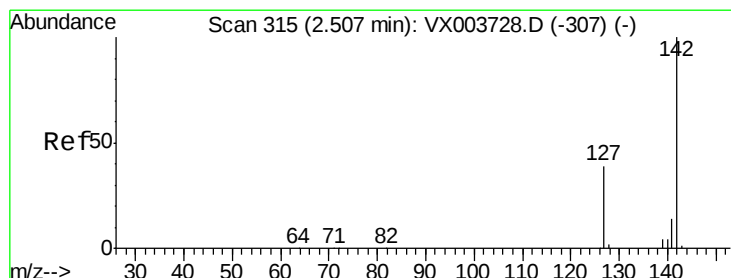
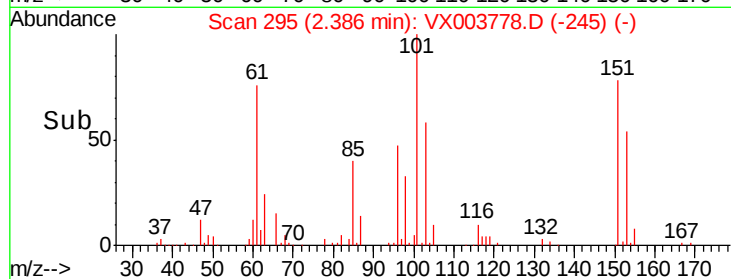
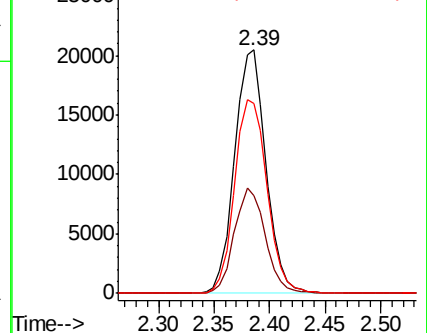
151 82.7 68.8 103.2



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: 40.59 ug/l

RT: 2.51 min Scan# 315

Delta R.T. 0.00 min

Lab File: VX003778.D

Acq: 01 Aug 2018 04:44

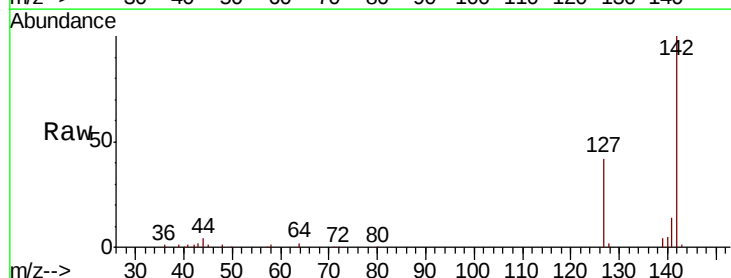
Tgt Ion:142 Resp: 33018

Ion Ratio Lower Upper

142 100

127 40.7 32.0 48.0

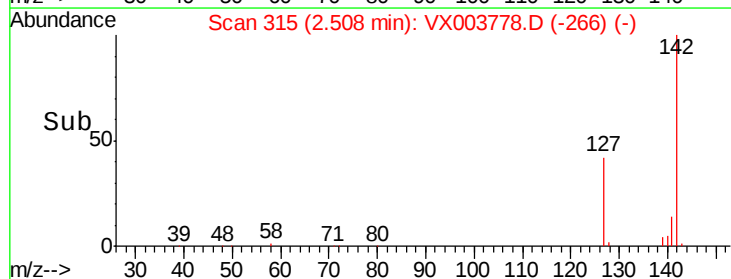
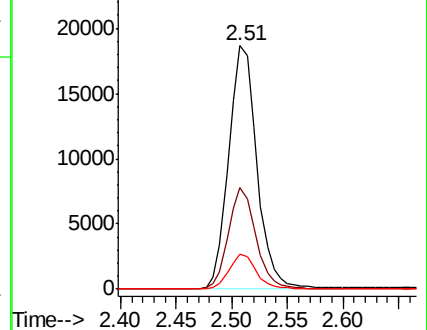
141 13.6 11.3 16.9

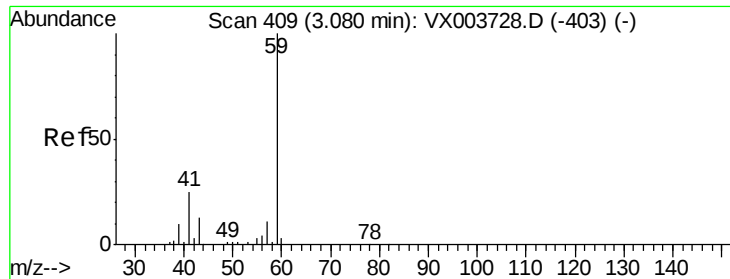


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



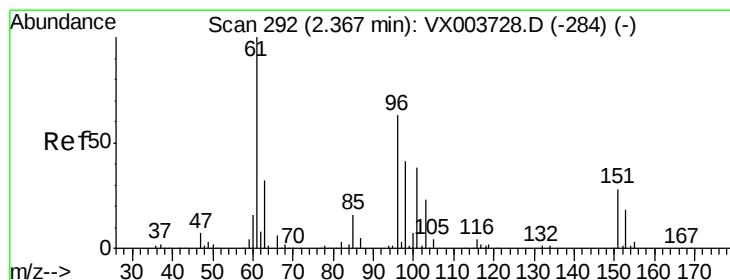
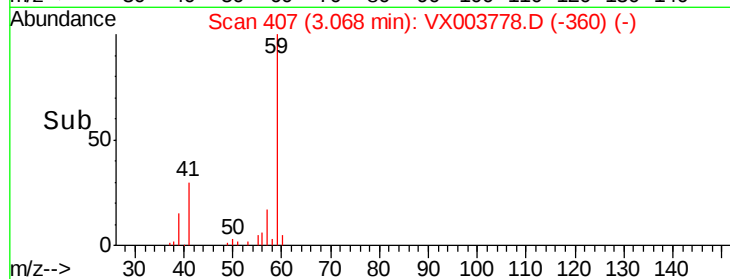
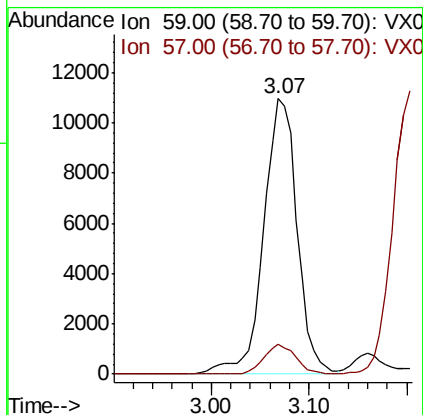
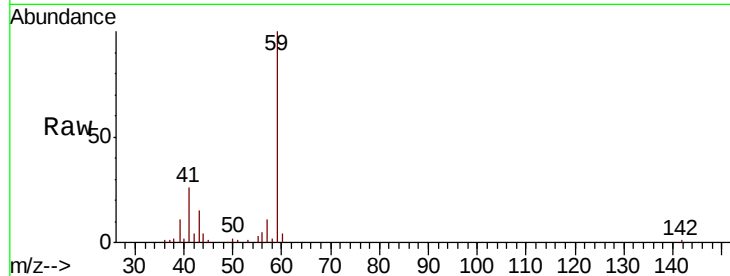


#11

Tert butyl alcohol
 Concen: 214.02 ug/l
 RT: 3.07 min Scan# 407
 Delta R.T. -0.01 min
 Lab File: VX003778.D
 Acq: 01 Aug 2018 04:44

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-1(3-5)MSD

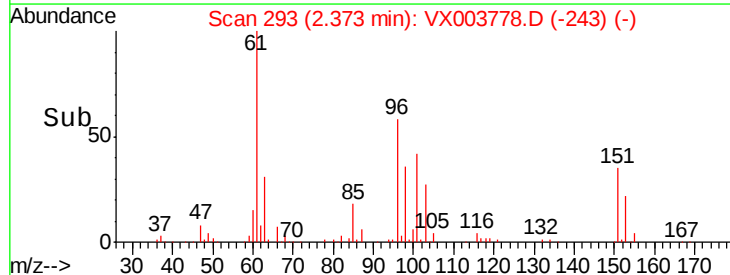
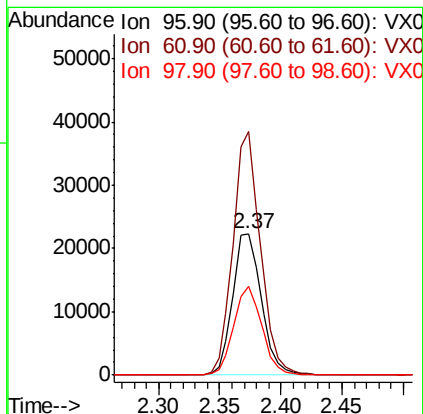
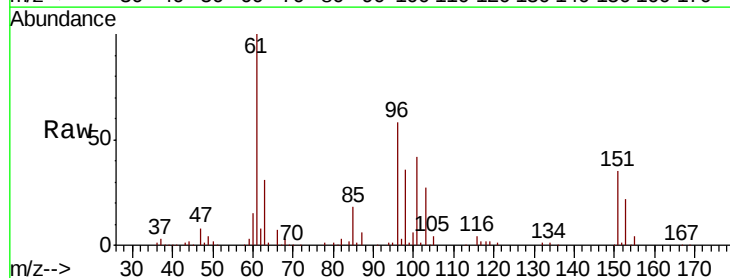
Tot Ion: 59 Resp: 26124
 Ion Ratio Lower Upper
 59 100
 57 10.3 8.1 12.1

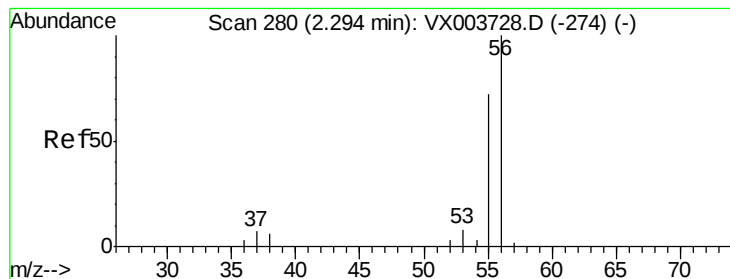


#12

1,1-Dichloroethene
 Concen: 54.44 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. 0.01 min
 Lab File: VX003778.D
 Acq: 01 Aug 2018 04:44

Tgt Ion: 96 Resp: 36266
 Ion Ratio Lower Upper
 96 100
 61 171.7 127.1 190.7
 98 62.5 52.0 78.0





#13

Acrolein

Concen: 1.93 ug/l

RT: 2.29 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX003778.D

Acq: 01 Aug 2018 04:44

Instrument :

MSVOA_X

ClientSampleId :

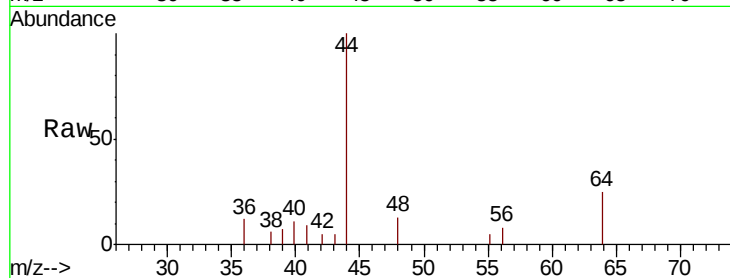
SB-1(3-5)MSD

Tot Ion: 56 Resp: 77

Ion Ratio Lower Upper

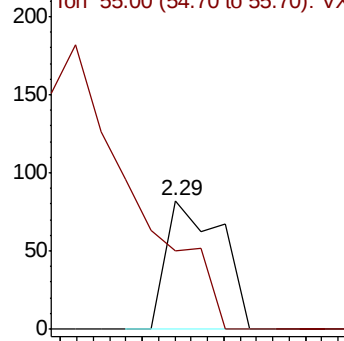
56 100

55 0.0 61.4 92.0#

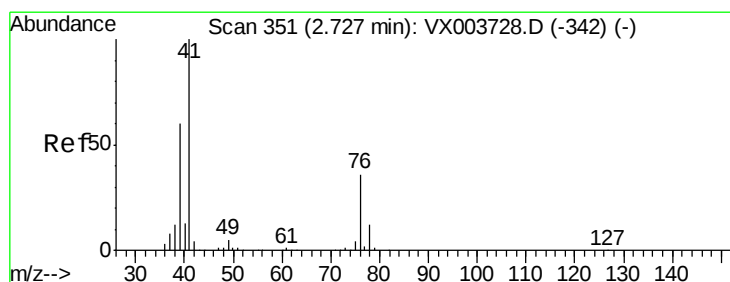
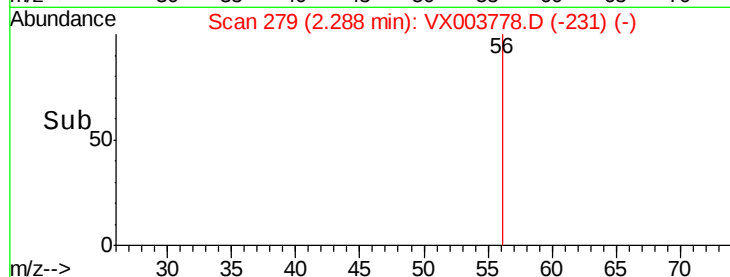


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#14

Allyl chloride

Concen: 46.38 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX003778.D

Acq: 01 Aug 2018 04:44

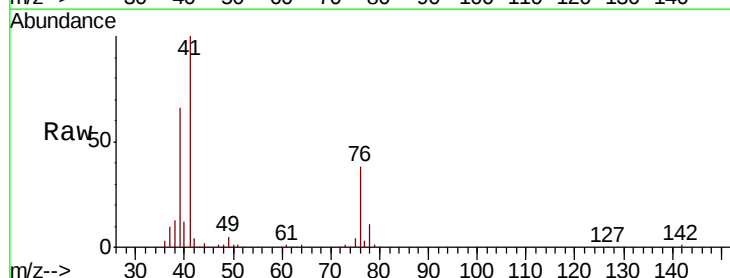
Tgt Ion: 41 Resp: 54777

Ion Ratio Lower Upper

41 100

39 60.2 47.7 71.5

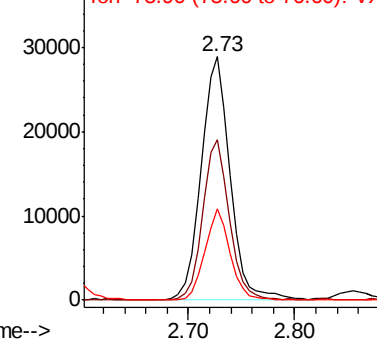
76 33.0 27.0 40.6



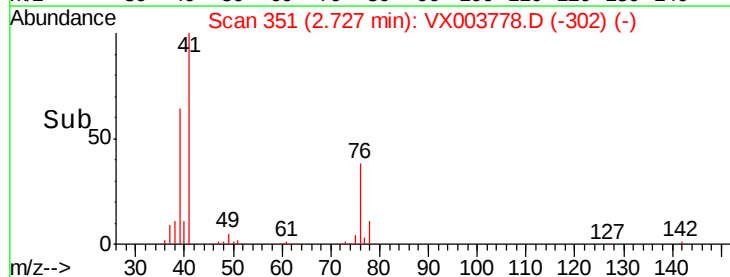
Abundance Ion 41.00 (40.70 to 41.70): VX0

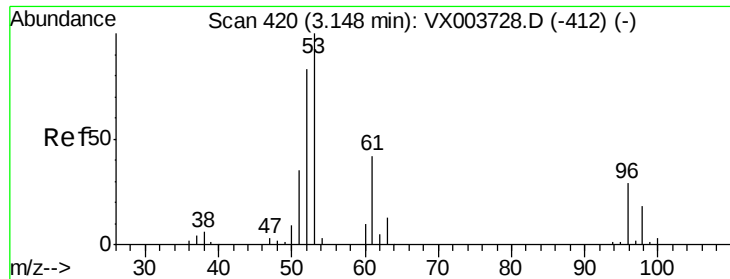
Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0



Time-->

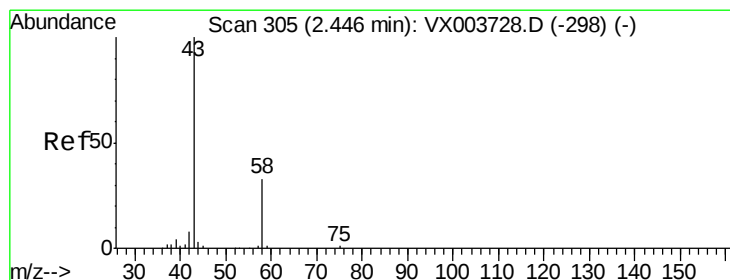
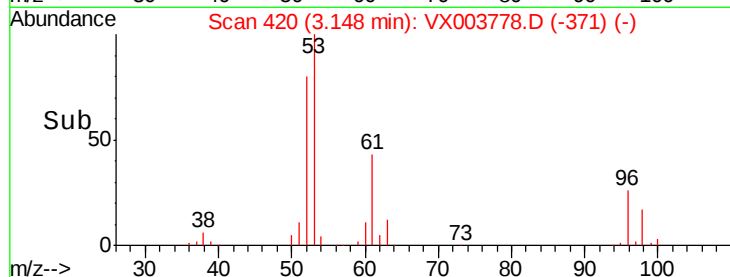
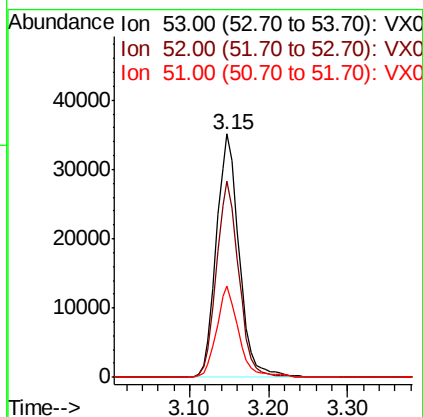
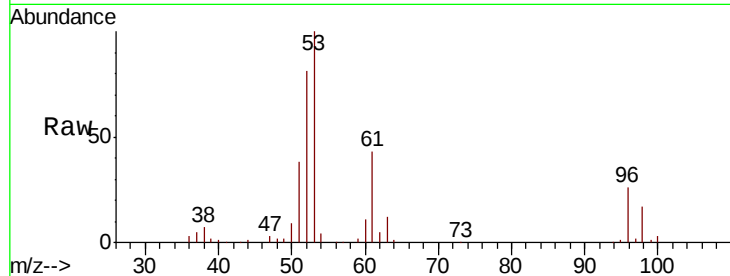




#15
 Acrylonitrile
 Concen: 228.81 ug/l
 RT: 3.15 min Scan# 420
 Delta R.T. 0.00 min
 Lab File: VX003778.D
 Acq: 01 Aug 2018 04:44

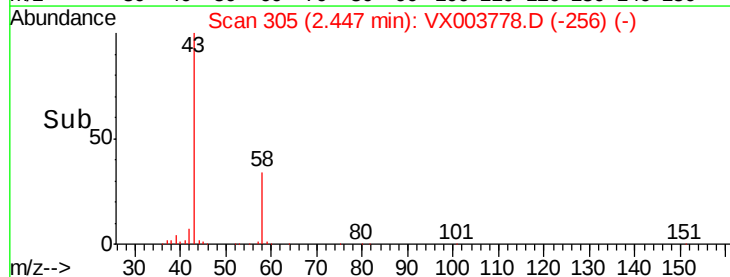
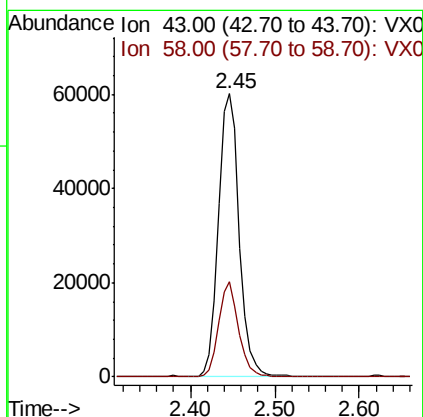
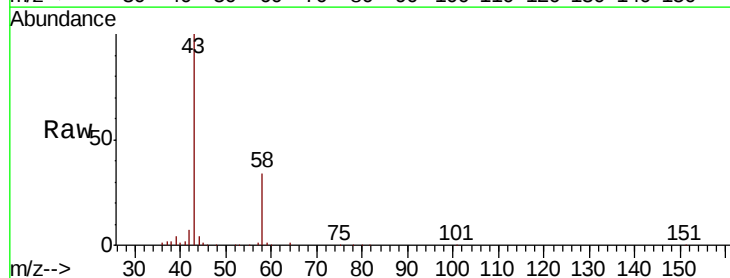
Instrument :
 MSVOA_X
 ClientSampleId :
 SB-1(3-5)MSD

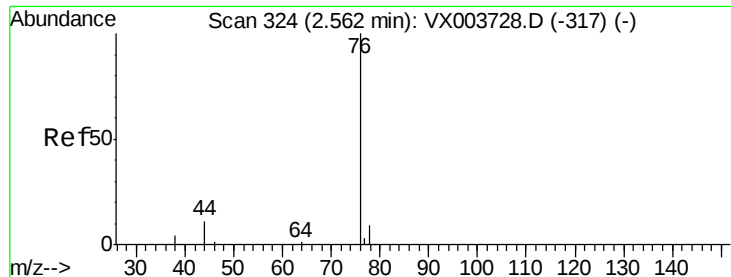
Tot Ion: 53 Resp: 71028
 Ion Ratio Lower Upper
 53 100
 52 78.9 66.2 99.2
 51 36.2 28.5 42.7



#16
 Acetone
 Concen: 354.46 ug/l
 RT: 2.45 min Scan# 305
 Delta R.T. 0.00 min
 Lab File: VX003778.D
 Acq: 01 Aug 2018 04:44

Tgt Ion: 43 Resp: 102063
 Ion Ratio Lower Upper
 43 100
 58 33.8 26.7 40.1





#17

Carbon Disulfide

Concen: 42.45 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.01 min

Lab File: VX003778.D

Acq: 01 Aug 2018 04:44

Instrument :

MSVOA_X

ClientSampleId :

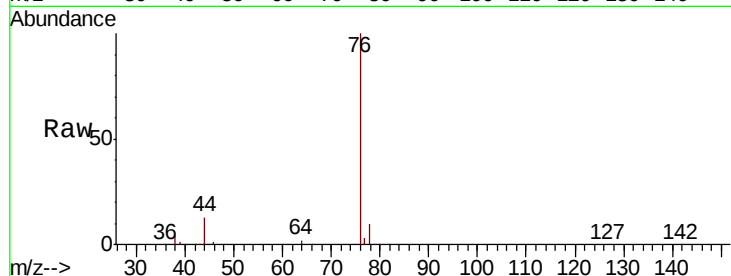
SB-1(3-5)MSD

Tot Ion: 76 Resp: 92019

Ion Ratio Lower Upper

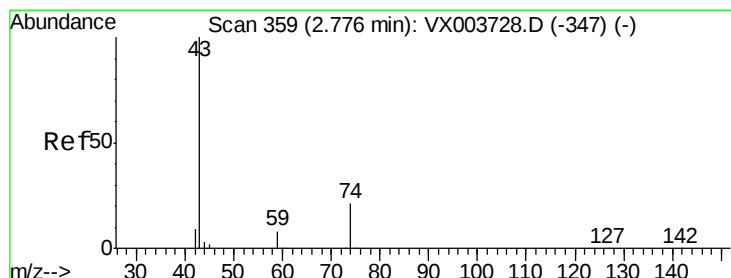
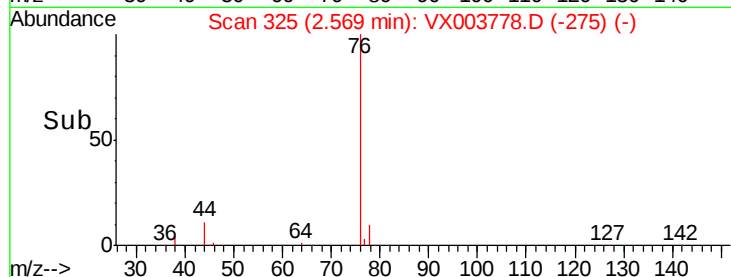
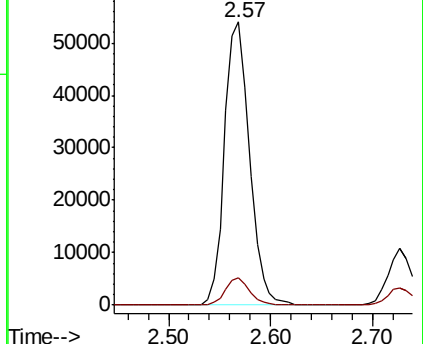
76 100

78 9.7 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 106.09 ug/l

RT: 2.78 min Scan# 359

Delta R.T. 0.00 min

Lab File: VX003778.D

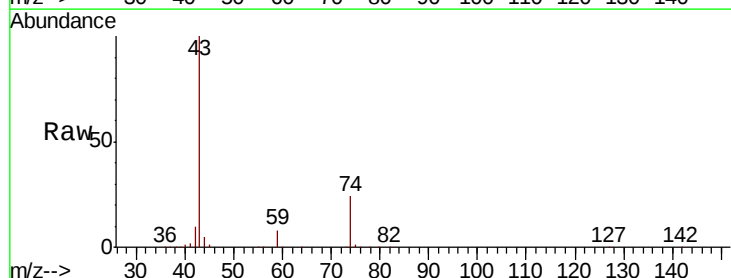
Acq: 01 Aug 2018 04:44

Tgt Ion: 43 Resp: 85848

Ion Ratio Lower Upper

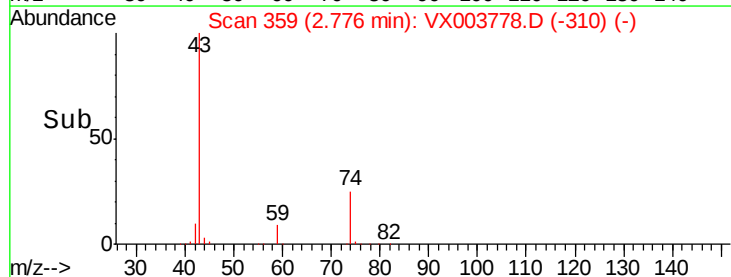
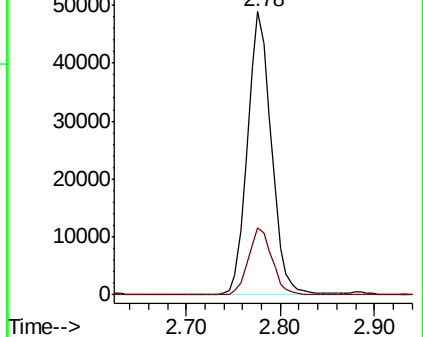
43 100

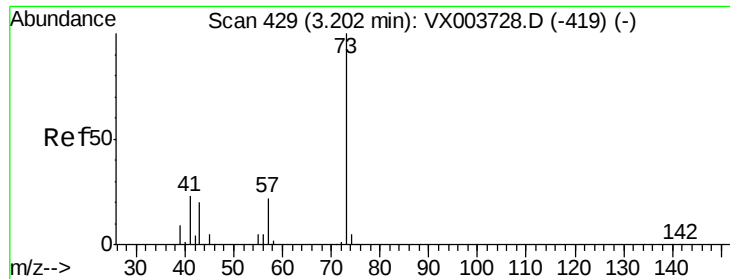
74 23.5 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



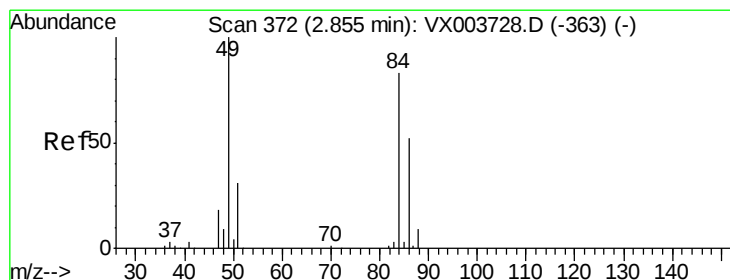
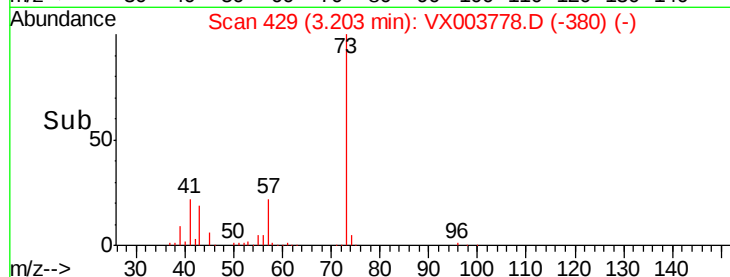
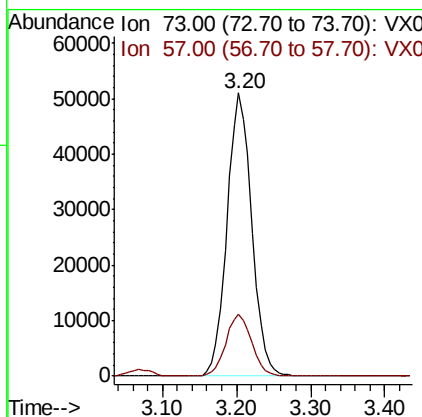
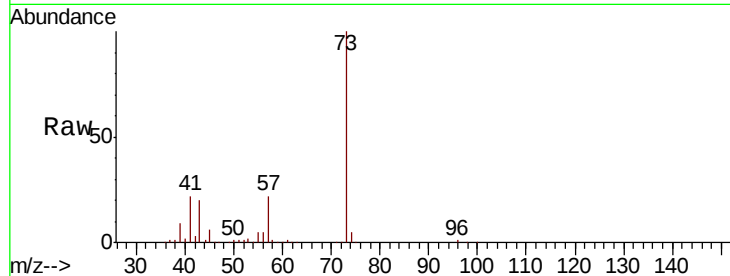


#19

Methyl tert-butyl Ether
 Concen: 65.16 ug/l
 RT: 3.20 min Scan# 429
 Delta R.T. 0.00 min
 Lab File: VX003778.D
 Acq: 01 Aug 2018 04:44

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-1(3-5)MSD

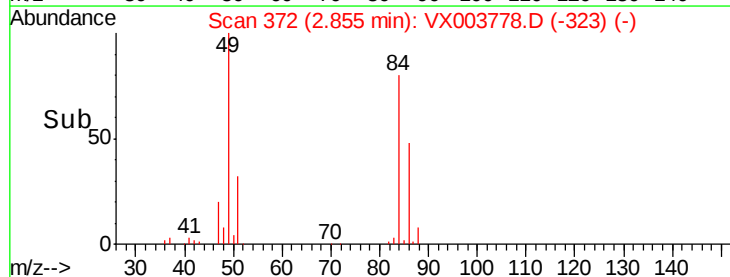
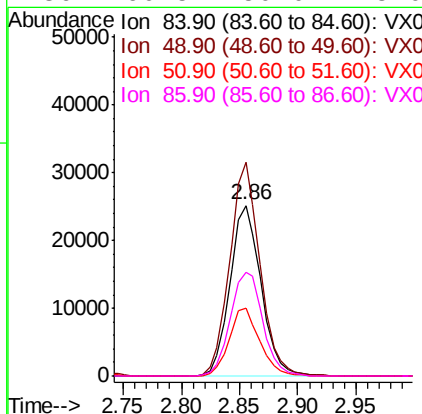
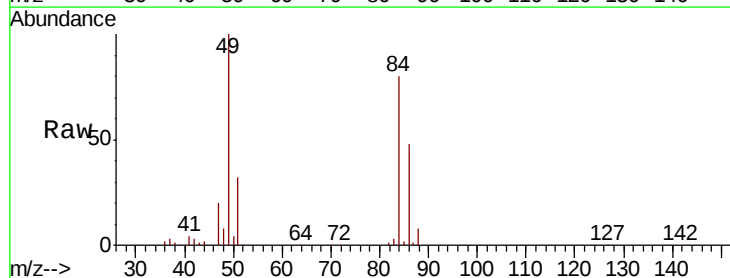
Tot Ion: 73 Resp: 118170
 Ion Ratio Lower Upper
 73 100
 57 22.1 18.0 27.0

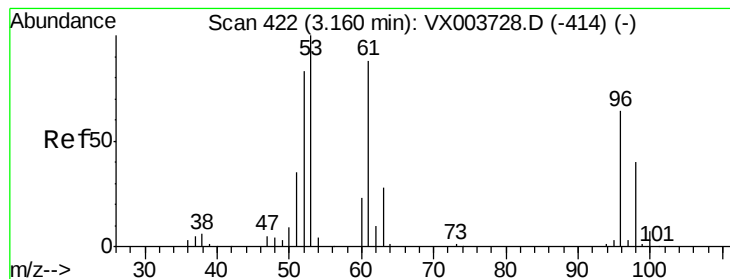


#20

Methylene Chloride
 Concen: 62.47 ug/l
 RT: 2.86 min Scan# 372
 Delta R.T. 0.00 min
 Lab File: VX003778.D
 Acq: 01 Aug 2018 04:44

Tgt Ion: 84 Resp: 46771
 Ion Ratio Lower Upper
 84 100
 49 125.1 95.8 143.8
 51 39.9 29.6 44.4
 86 60.5 50.0 75.0





#21

trans-1,2-Dichloroethene

Concen: 48.27 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.00 min

Lab File: VX003778.D

Acq: 01 Aug 2018 04:44

Instrument :

MSVOA_X

ClientSampleId :

SB-1(3-5)MSD

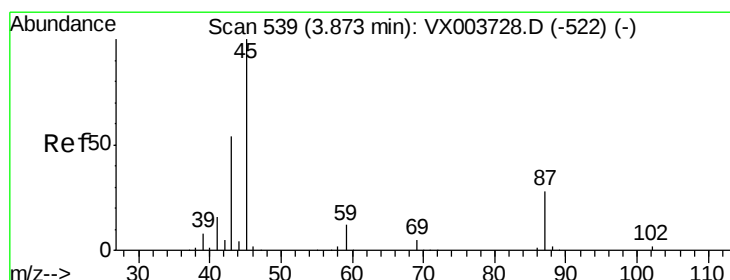
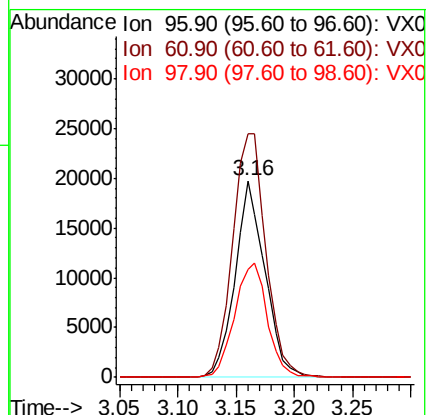
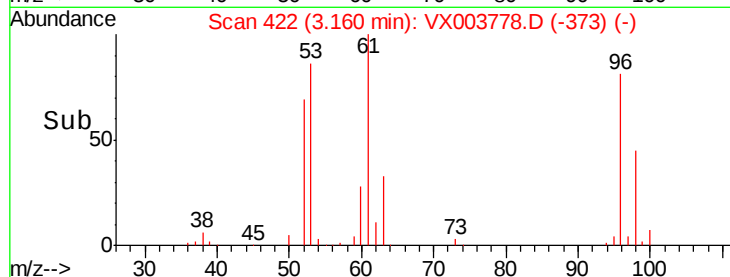
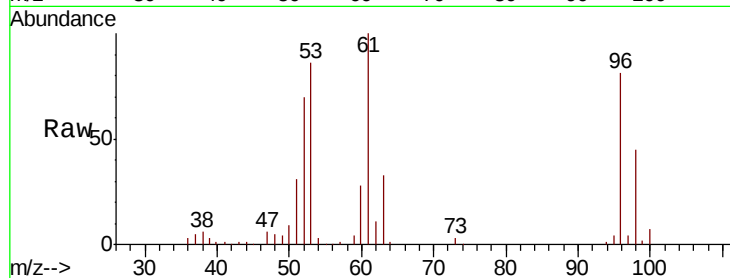
Tot Ion: 96 Resp: 35239

Ion Ratio Lower Upper

96 100

61 123.7 110.9 166.3

98 55.1 50.2 75.4



#22

Diisopropyl ether

Concen: 64.23 ug/l

RT: 3.87 min Scan# 538

Delta R.T. -0.01 min

Lab File: VX003778.D

Acq: 01 Aug 2018 04:44

Tgt Ion: 45 Resp: 136924

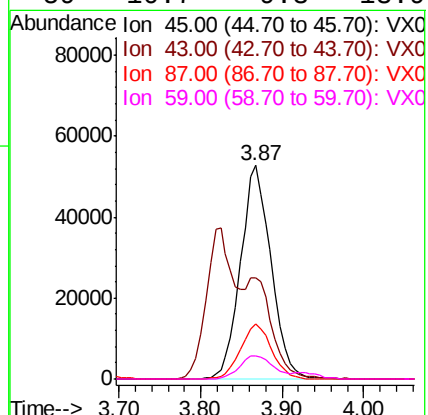
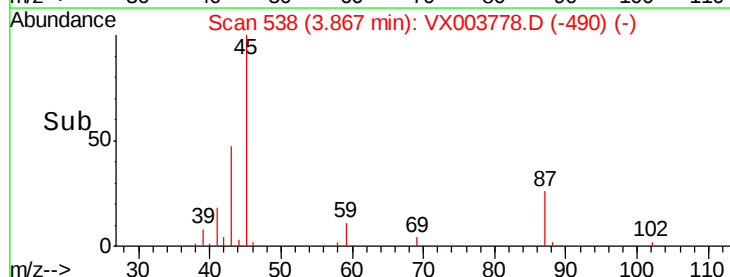
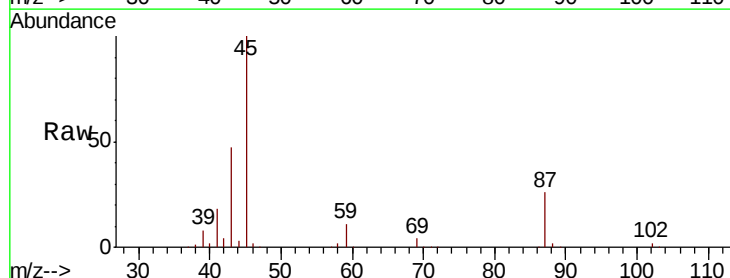
Ion Ratio Lower Upper

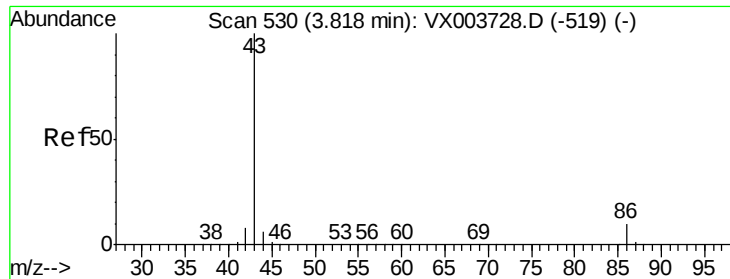
45 100

43 46.9 43.5 65.3

87 25.7 22.6 33.8

59 10.7 9.3 13.9





#23

Vinyl Acetate

Concen: 58.06 ug/l

RT: 3.82 min Scan# 531

Delta R.T. 0.01 min

Lab File: VX003778.D

Acq: 01 Aug 2018 04:44

Instrument :

MSVOA_X

ClientSampleId :

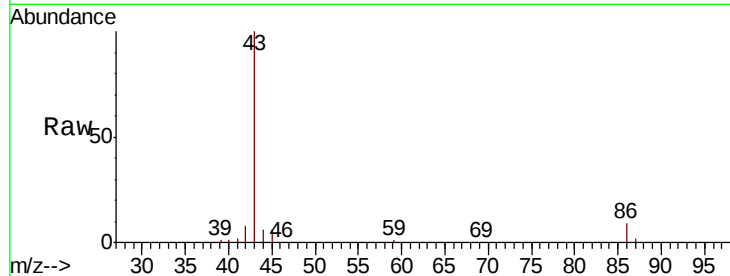
SB-1(3-5)MSD

Tot Ion: 43 Resp: 89273

Ion Ratio Lower Upper

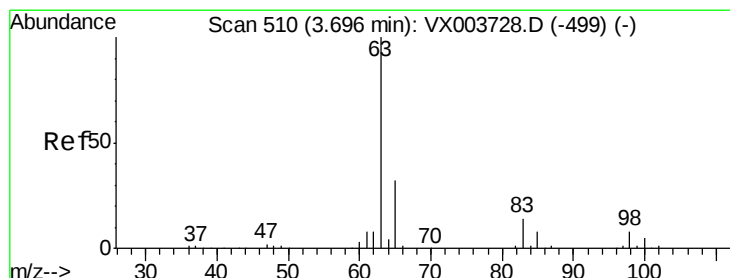
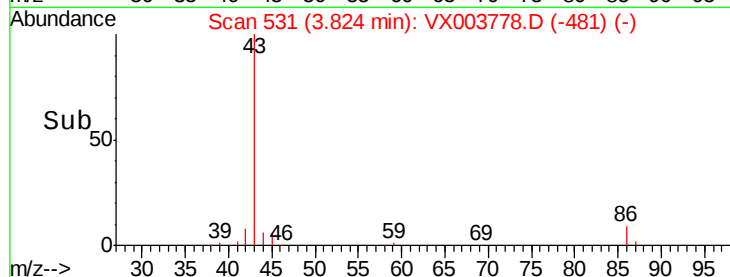
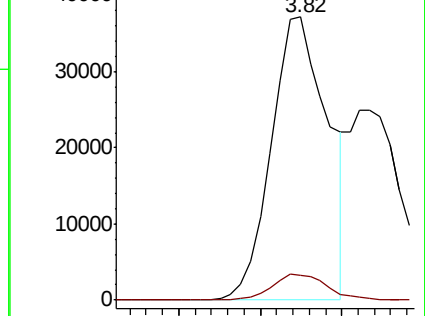
43 100

86 8.9 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 61.26 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003778.D

Acq: 01 Aug 2018 04:44

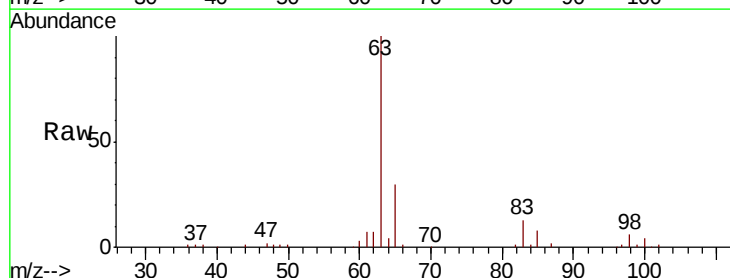
Tgt Ion: 63 Resp: 76166

Ion Ratio Lower Upper

63 100

98 6.0 4.0 12.0

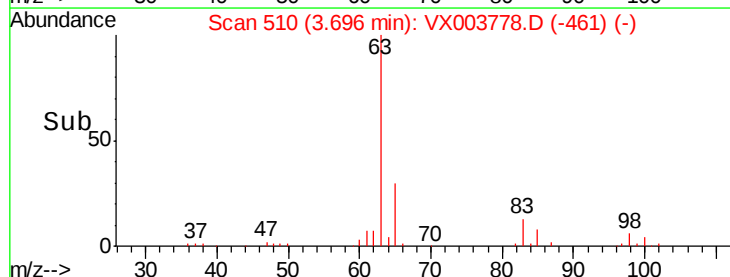
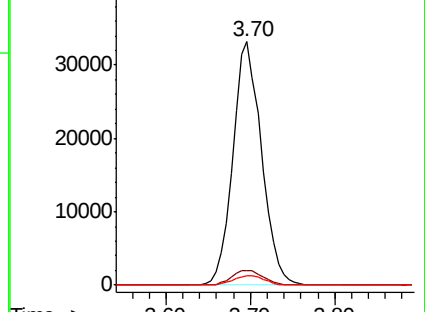
100 3.7 2.4 7.2

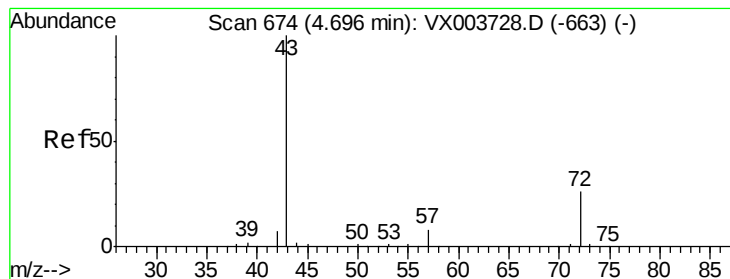


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 234.88 ug/l

RT: 4.70 min Scan# 674

Delta R.T. 0.00 min

Lab File: VX003778.D

Acq: 01 Aug 2018 04:44

Instrument :

MSVOA_X

ClientSampleId :

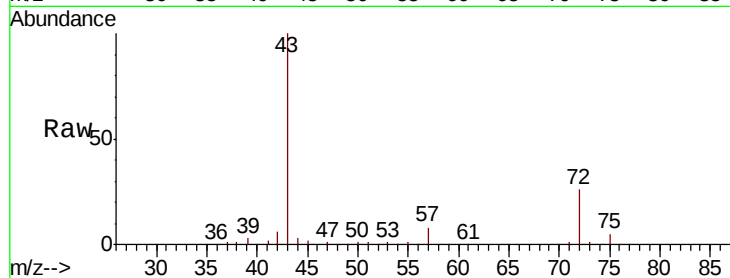
SB-1(3-5)MSD

Tot Ion: 43 Resp: 98593

Ion Ratio Lower Upper

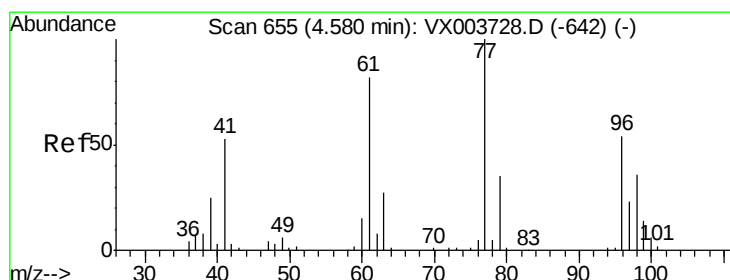
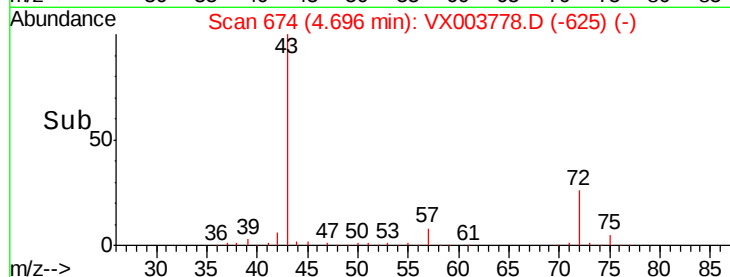
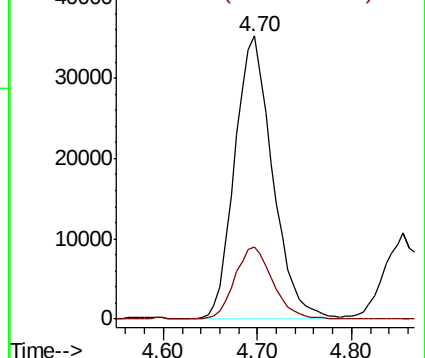
43 100

72 25.7 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 42.38 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.01 min

Lab File: VX003778.D

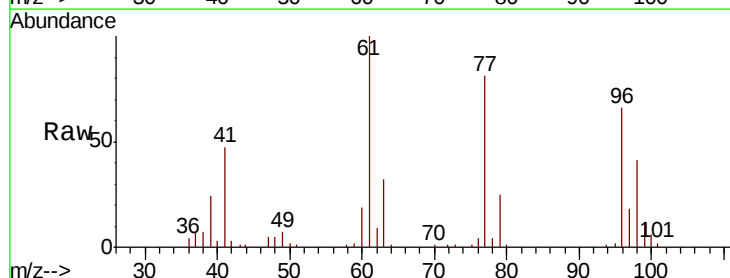
Acq: 01 Aug 2018 04:44

Tgt Ion: 77 Resp: 41498

Ion Ratio Lower Upper

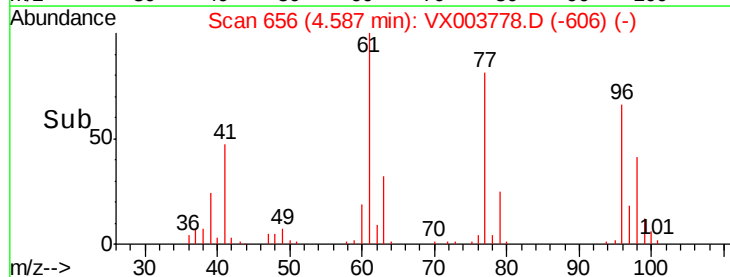
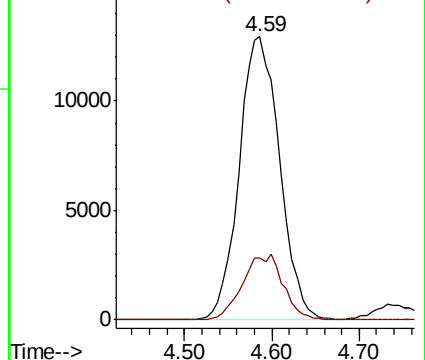
77 100

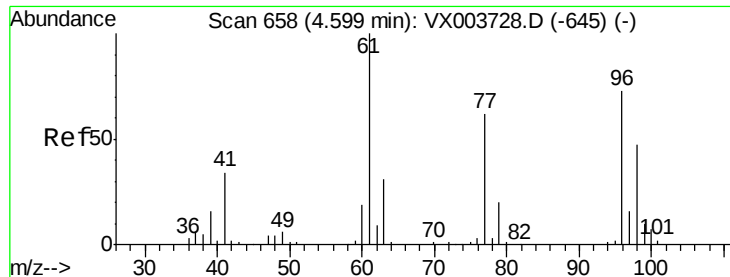
97 23.1 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

cis-1,2-Dichloroethene

Concen: 50.74 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX003778.D

Acq: 01 Aug 2018 04:44

Instrument :

MSVOA_X

ClientSampled :

SB-1(3-5)MSD

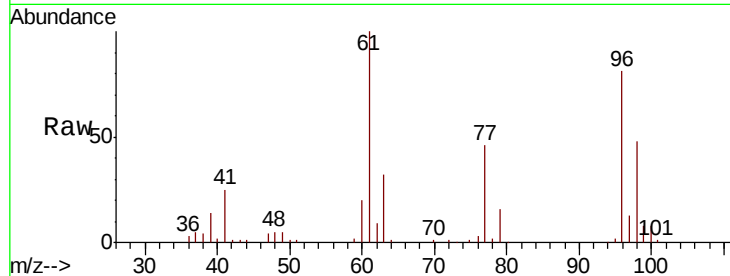
Tot Ion: 96 Resp: 39919

Ion Ratio Lower Upper

96 100

61 141.7 0.0 285.6

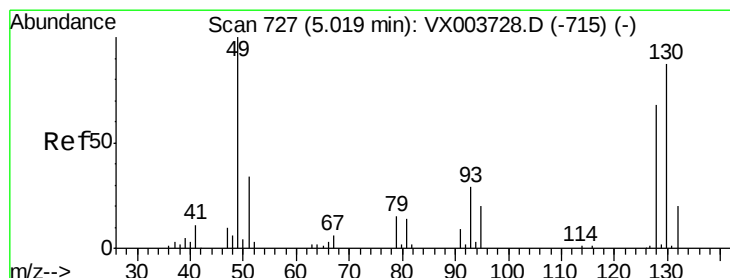
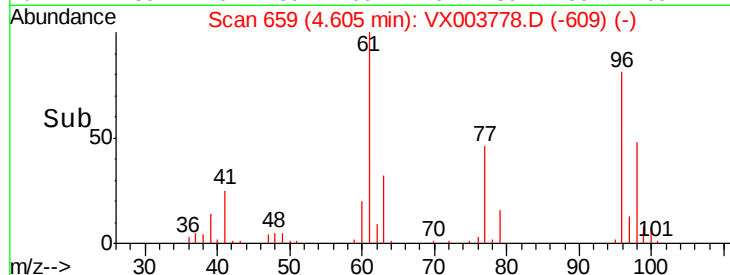
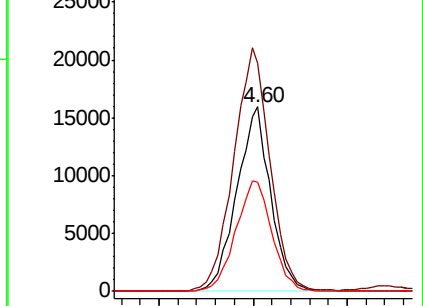
98 63.9 0.0 131.0



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane

Concen: 52.58 ug/l

RT: 5.02 min Scan# 727

Delta R.T. 0.00 min

Lab File: VX003778.D

Acq: 01 Aug 2018 04:44

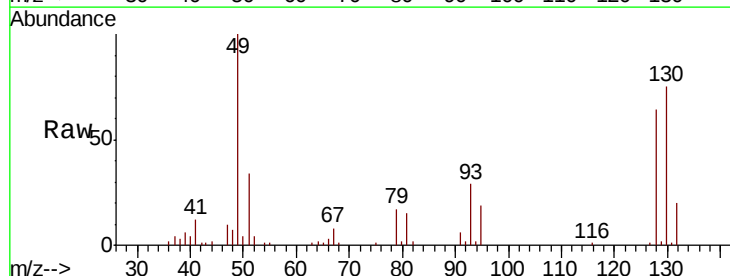
Tgt Ion: 49 Resp: 29322

Ion Ratio Lower Upper

49 100

129 1.9 0.0 4.0

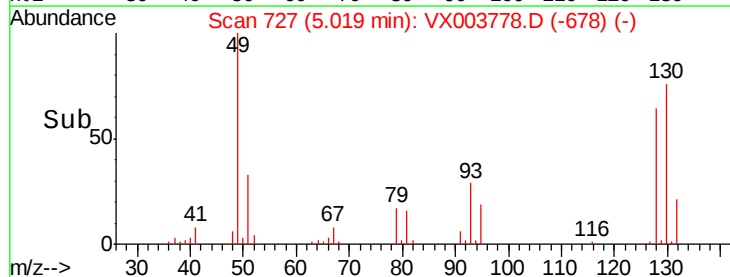
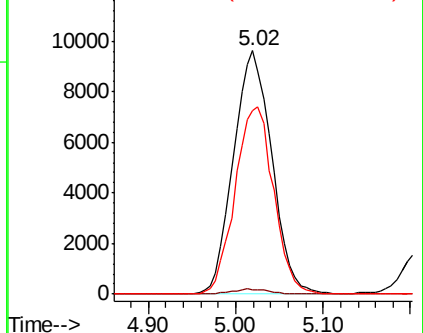
130 77.2 68.9 103.3

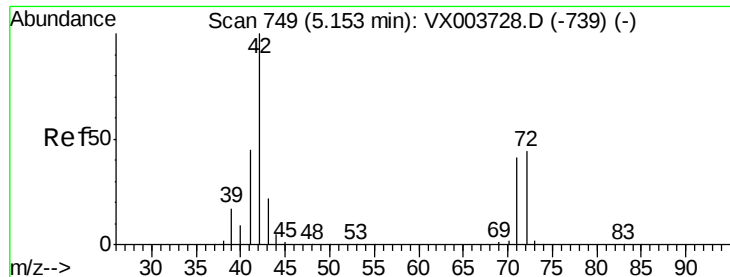


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 217.18 ug/l

RT: 5.15 min Scan# 749

Delta R.T. 0.00 min

Lab File: VX003778.D

Acq: 01 Aug 2018 04:44

Instrument :

MSVOA_X

ClientSampleId :

SB-1(3-5)MSD

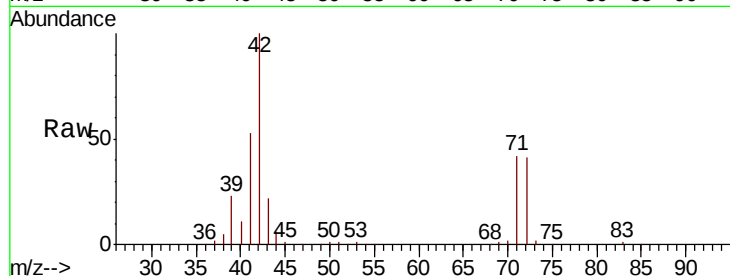
Tot Ion: 42 Resp: 58096

Ion Ratio Lower Upper

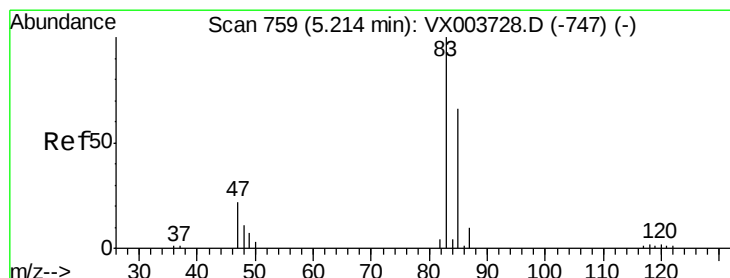
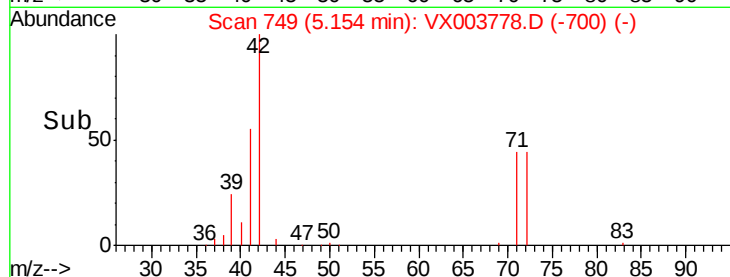
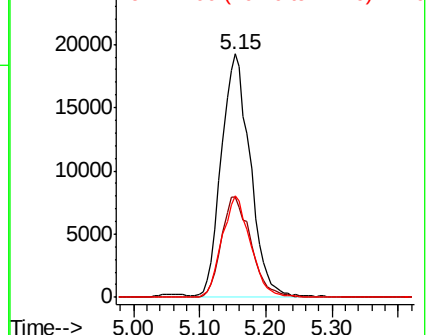
42 100

72 42.6 35.6 53.4

71 41.3 33.4 50.0



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: 60.45 ug/l

RT: 5.21 min Scan# 759

Delta R.T. 0.00 min

Lab File: VX003778.D

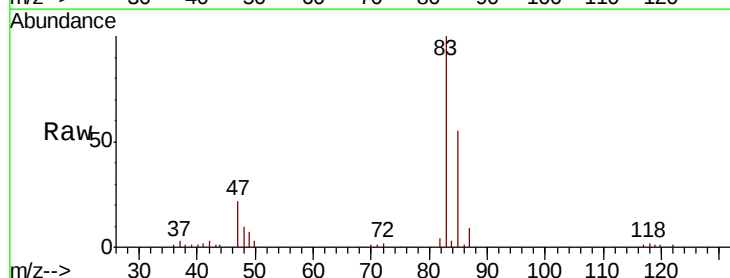
Acq: 01 Aug 2018 04:44

Tgt Ion: 83 Resp: 74061

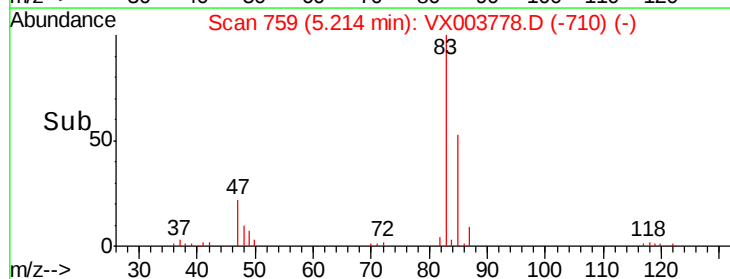
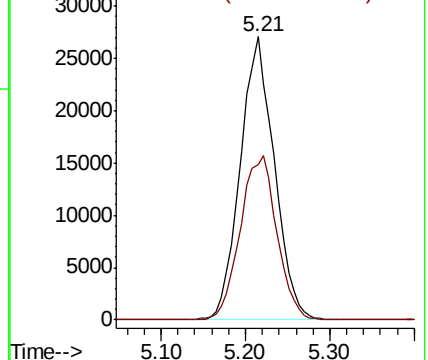
Ion Ratio Lower Upper

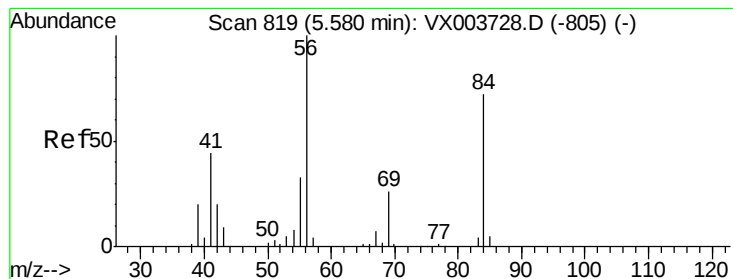
83 100

85 54.8 52.8 79.2



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 50.97 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX003778.D

Acq: 01 Aug 2018 04:44

Instrument :

MSVOA_X

ClientSampleId :

SB-1(3-5)MSD

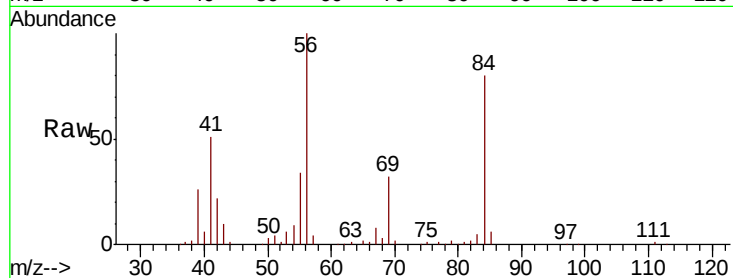
Tot Ion: 56 Resp: 61208

Ion Ratio Lower Upper

56 100

69 31.7 20.6 30.8#

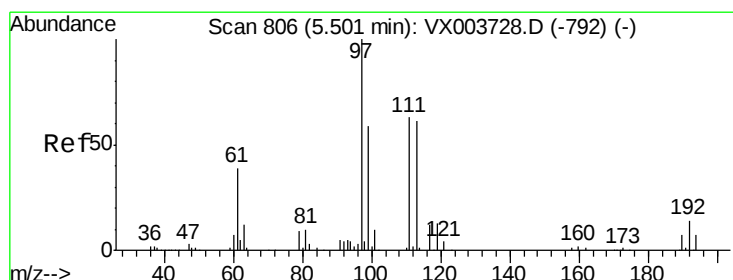
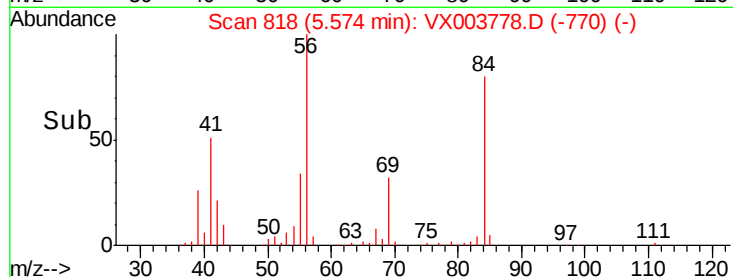
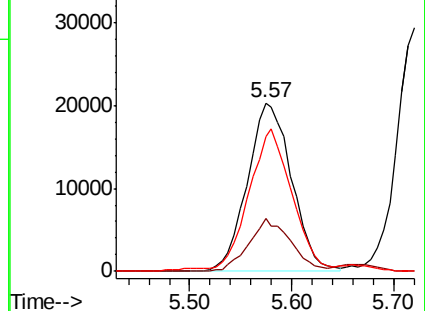
84 78.2 57.9 86.9



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 57.86 ug/l

RT: 5.50 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX003778.D

Acq: 01 Aug 2018 04:44

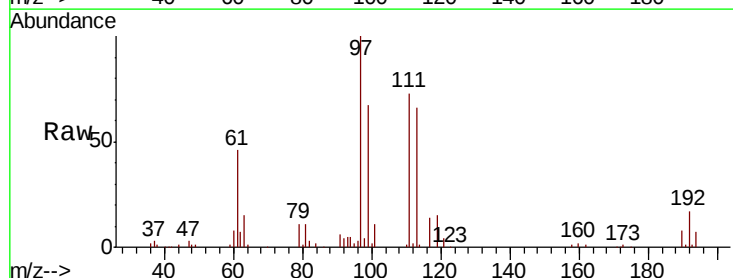
Tgt Ion: 97 Resp: 60919

Ion Ratio Lower Upper

97 100

99 64.4 51.4 77.2

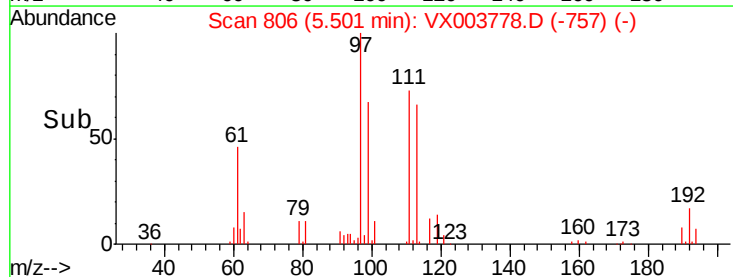
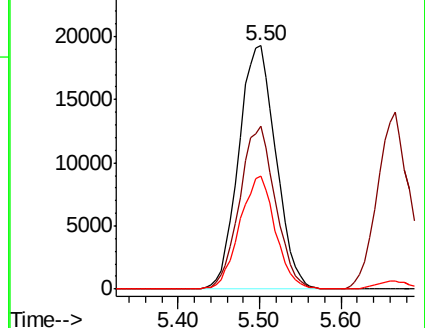
61 44.6 33.4 50.2

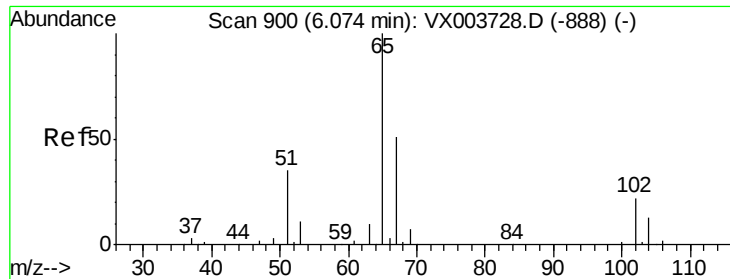


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

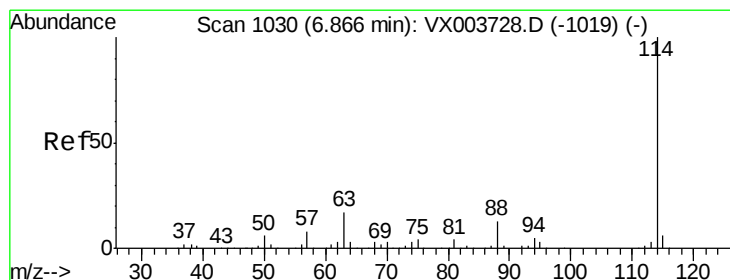
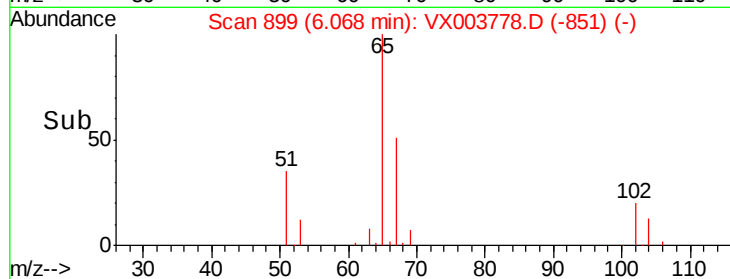
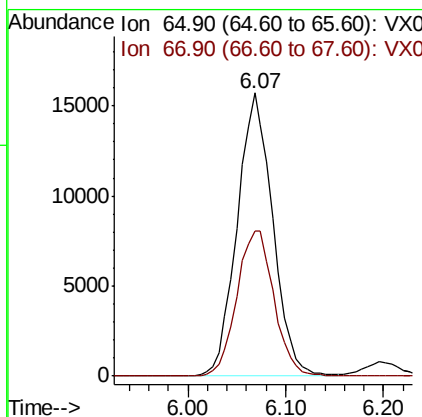
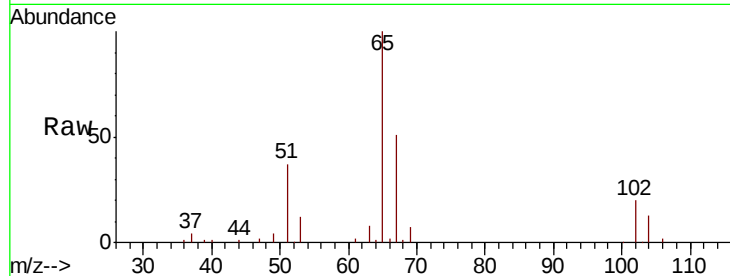




#33
 1,2-Dichloroethane-d4
 Concen: 52.51 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VX003778.D
 Acq: 01 Aug 2018 04:44

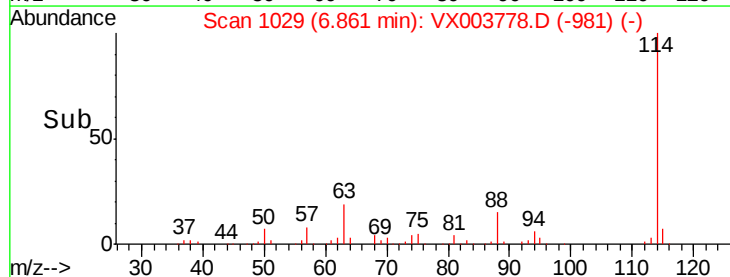
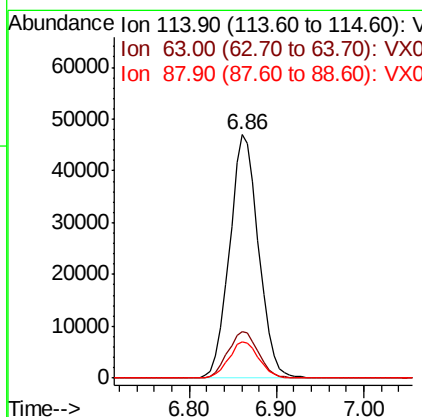
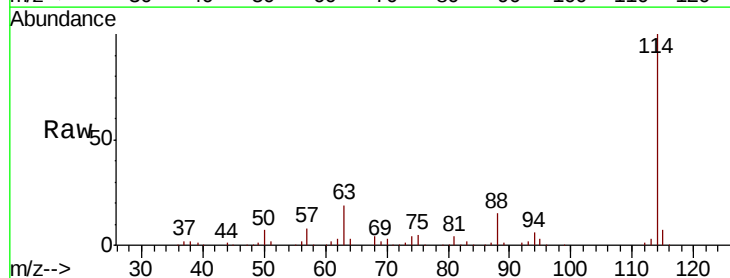
Instrument :
 MSVOA_X
 ClientSampleId :
 SB-1(3-5)MSD

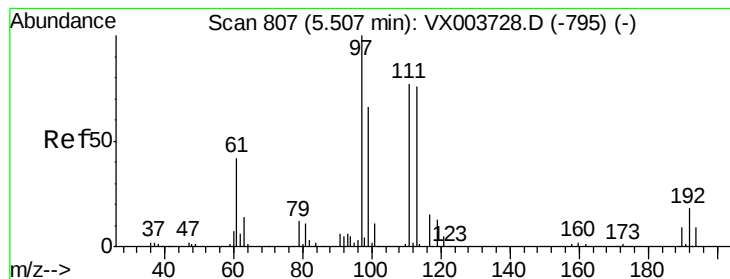
Tot Ion: 65 Resp: 39585
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX003778.D
 Acq: 01 Aug 2018 04:44

Tgt Ion: 114 Resp: 108173
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 34.0
 88 14.9 0.0 26.4





#35

Dibromofluoromethane

Concen: 57.88 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX003778.D

Acq: 01 Aug 2018 04:44

Instrument :

MSVOA_X

ClientSampleId :

SB-1(3-5)MSD

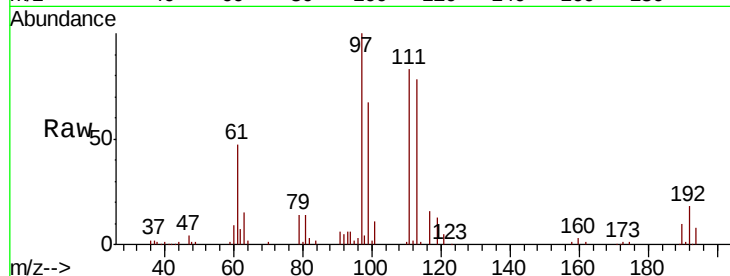
Tot Ion:113 Resp: 36865

Ion Ratio Lower Upper

113 100

111 105.5 81.8 122.6

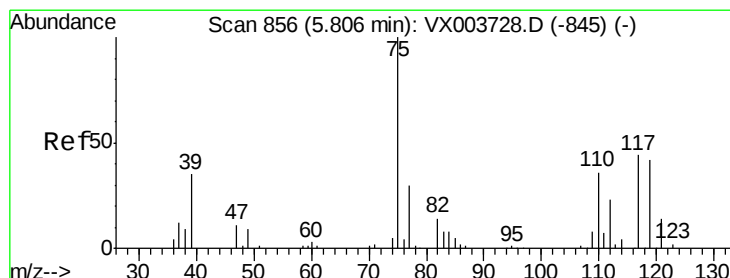
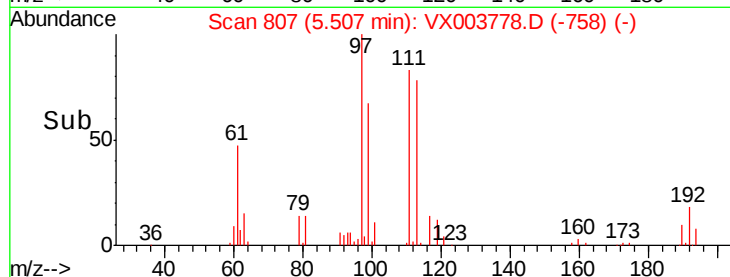
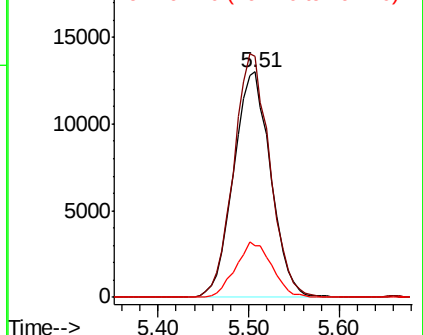
192 23.8 18.8 28.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 48.64 ug/l

RT: 5.80 min Scan# 855

Delta R.T. -0.01 min

Lab File: VX003778.D

Acq: 01 Aug 2018 04:44

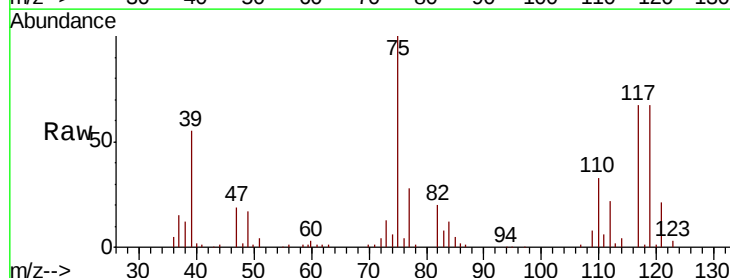
Tgt Ion: 75 Resp: 49273

Ion Ratio Lower Upper

75 100

110 34.7 18.3 54.8

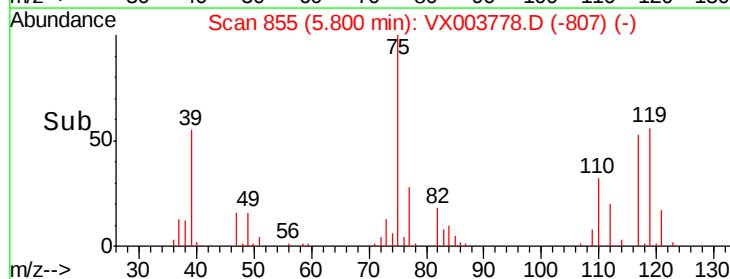
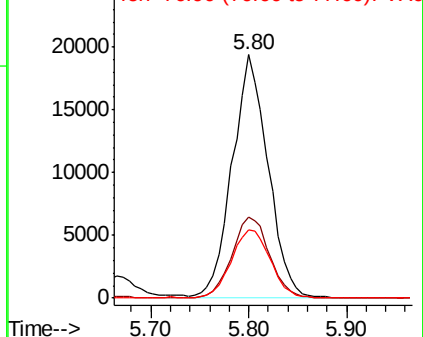
77 30.7 25.1 37.7

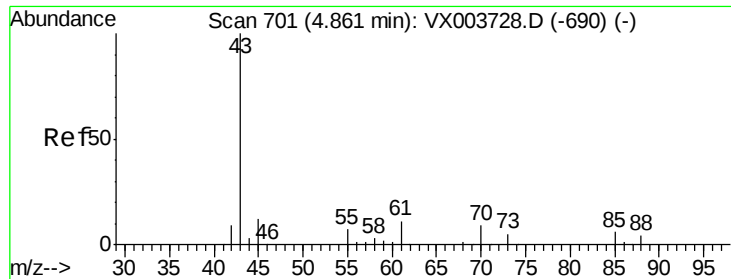


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

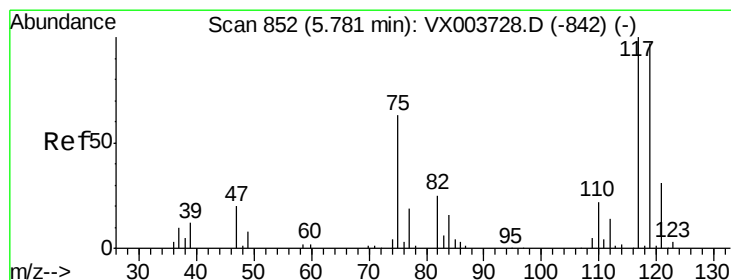
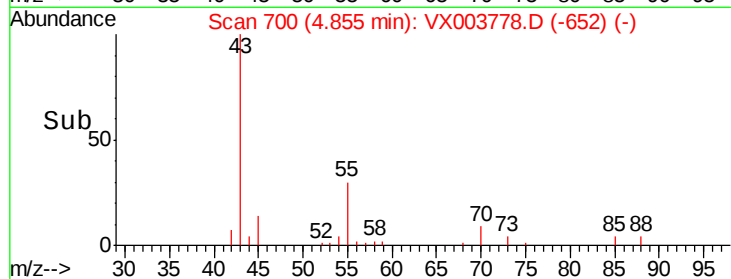
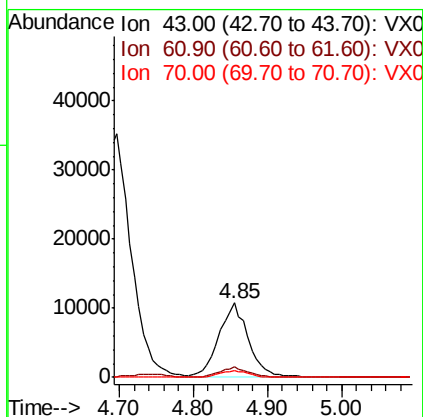
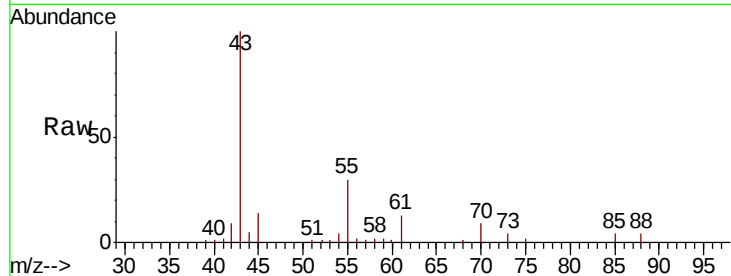




#37
Ethyl Acetate
Concen: 37.77 ug/l
RT: 4.85 min Scan# 700
Delta R.T. -0.01 min
Lab File: VX003778.D
Acq: 01 Aug 2018 04:44

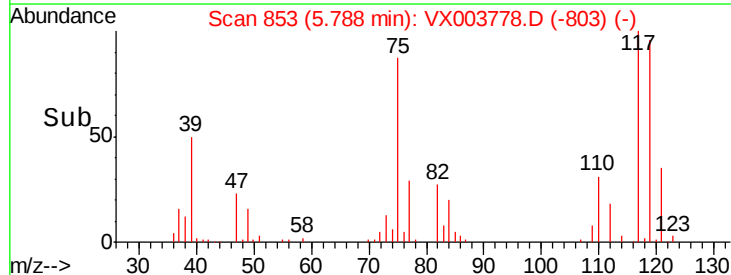
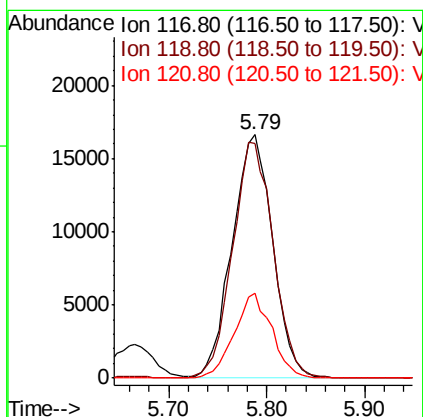
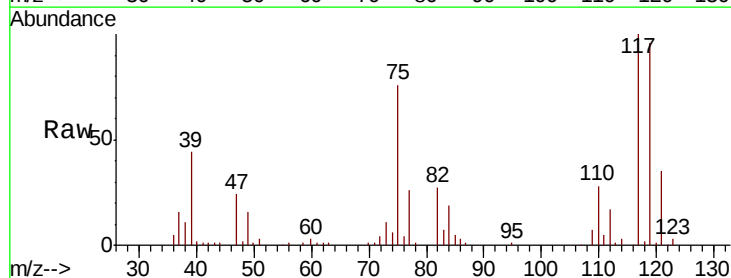
Instrument :
MSVOA_X
ClientSampleId :
SB-1(3-5)MSD

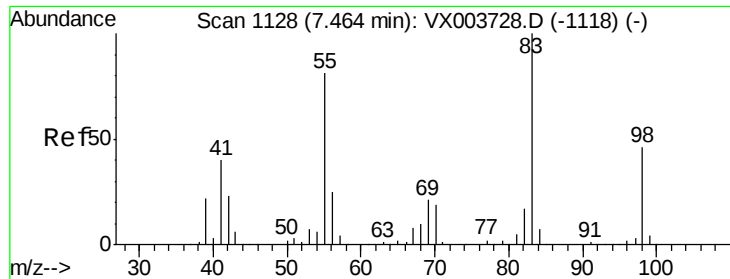
Tot Ion: 43 Resp: 29391
Ion Ratio Lower Upper
43 100
61 13.7 11.4 17.0
70 9.8 8.2 12.2



#38
Carbon Tetrachloride
Concen: 51.24 ug/l
RT: 5.79 min Scan# 853
Delta R.T. 0.01 min
Lab File: VX003778.D
Acq: 01 Aug 2018 04:44

Tgt Ion: 117 Resp: 48016
Ion Ratio Lower Upper
117 100
119 96.4 77.2 115.8
121 34.7 25.0 37.4

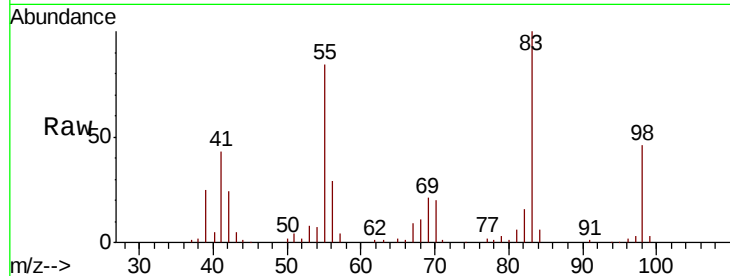




#39
Methvlcvclohexane
Concen: 38.56 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003778.D
Acq: 01 Aug 2018 04:44

Instrument :
MSVOA_X
ClientSampleId :
SB-1(3-5)MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.5	65.0	97.6
98	45.7	37.1	55.7

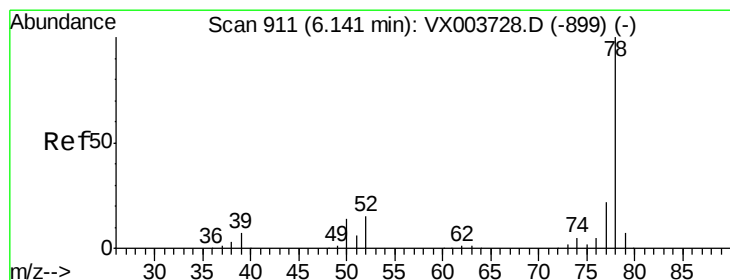
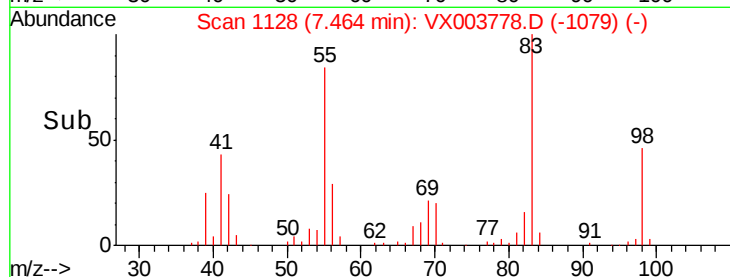
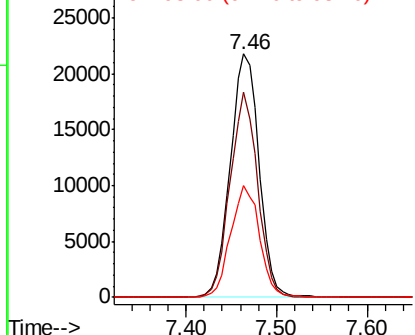


Abundance

Ion 83.00 (82.70 to 83.70): VX0

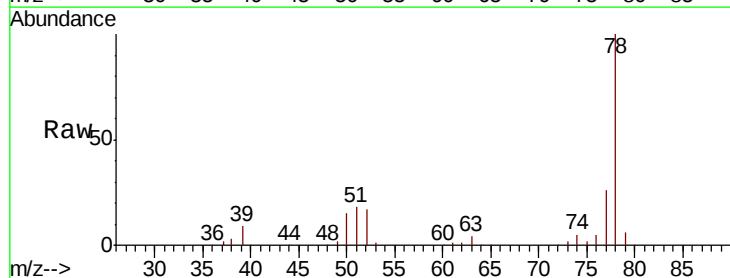
Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



#40
Benzene
Concen: 51.36 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.01 min
Lab File: VX003778.D
Acq: 01 Aug 2018 04:44

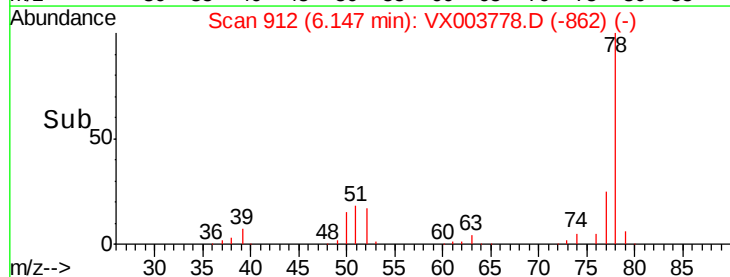
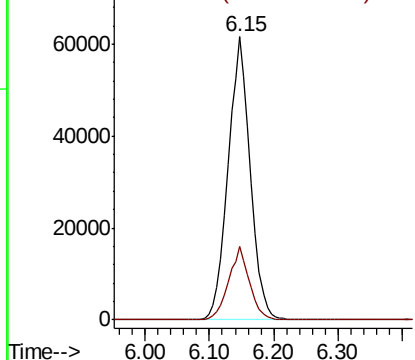
Tgt Ion	Ratio	Lower	Upper
78	100		
77	26.2	17.9	26.9

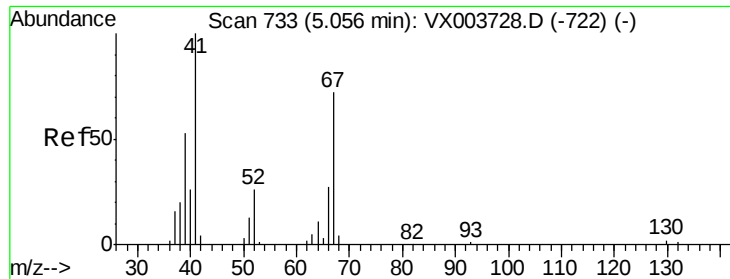


Abundance

Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

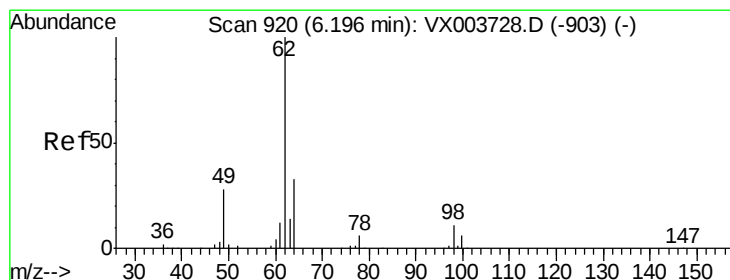
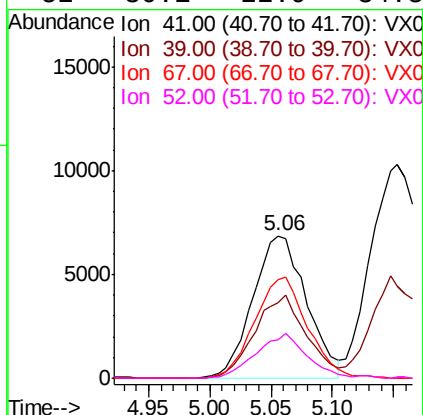
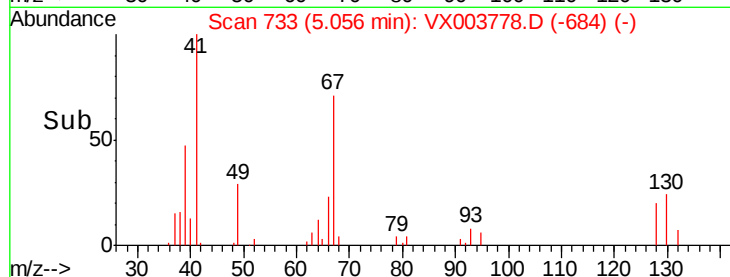
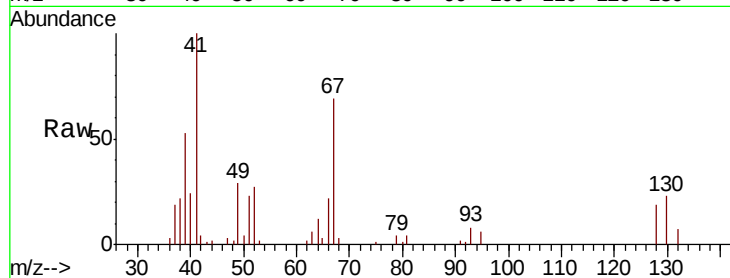




#41
Methacrylonitrile
Concen: 47.71 ug/l
RT: 5.06 min Scan# 733
Delta R.T. 0.00 min
Lab File: VX003778.D
Acq: 01 Aug 2018 04:44

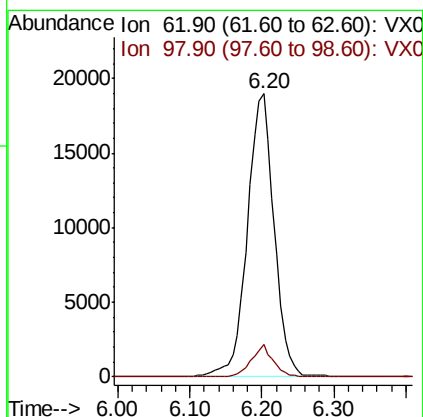
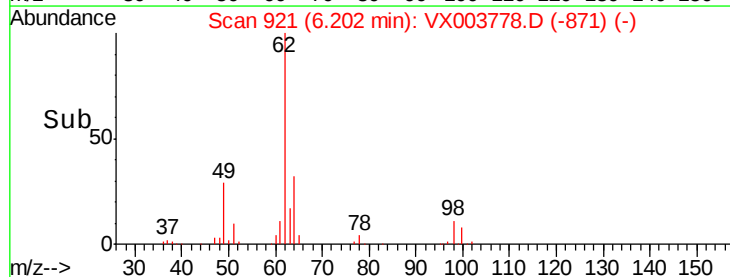
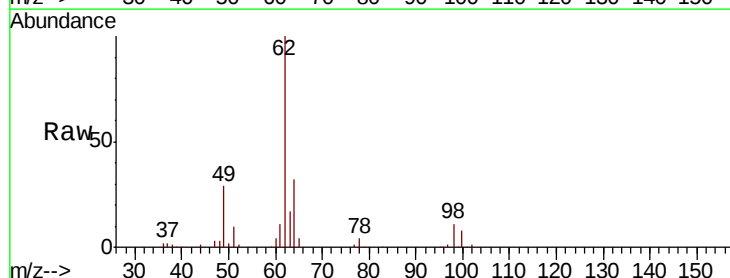
Instrument :
MSVOA_X
ClientSampleId :
SB-1(3-5)MSD

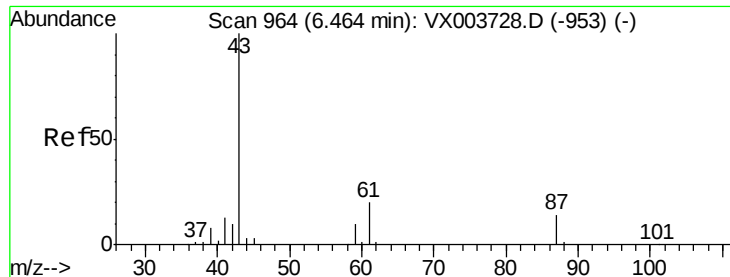
Tot Ion:	41	Resp:	20929
Ion	Ratio	Lower	Upper
41	100		
39	55.9	42.6	64.0
67	70.0	58.9	88.3
52	30.1	22.9	34.3



#42
1,2-Dichloroethane
Concen: 55.92 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.01 min
Lab File: VX003778.D
Acq: 01 Aug 2018 04:44

Tgt Ion:	62	Resp:	49029
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	20.4





#43

Isopropyl Acetate

Concen: 47.31 ug/l

RT: 6.46 min Scan# 963

Delta R.T. -0.01 min

Lab File: VX003778.D

Acq: 01 Aug 2018 04:44

Instrument :

MSVOA_X

ClientSampleId :

SB-1(3-5)MSD

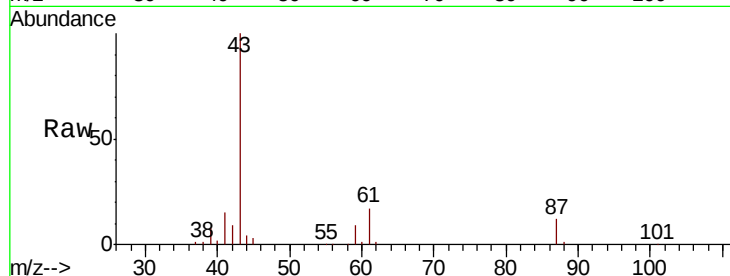
Tot Ion: 43 Resp: 58664

Ion Ratio Lower Upper

43 100

61 19.3 16.5 24.7

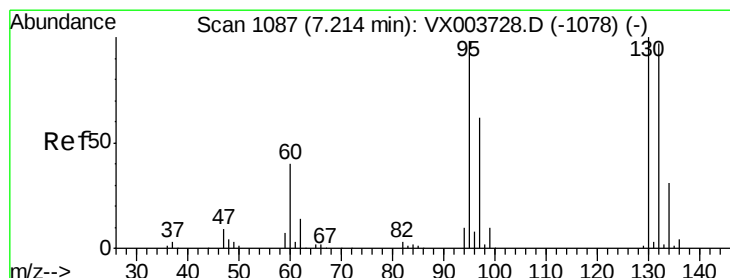
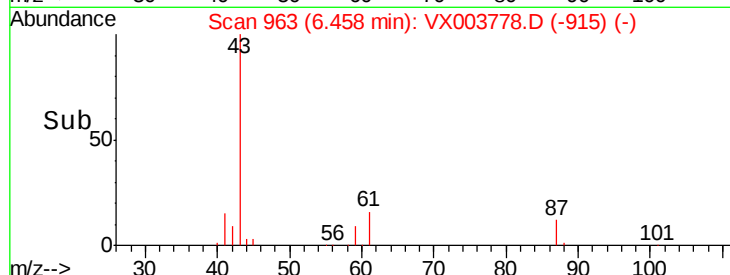
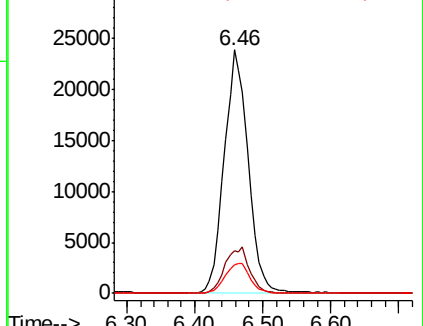
87 12.7 10.7 16.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 48.72 ug/l

RT: 7.21 min Scan# 1087

Delta R.T. 0.00 min

Lab File: VX003778.D

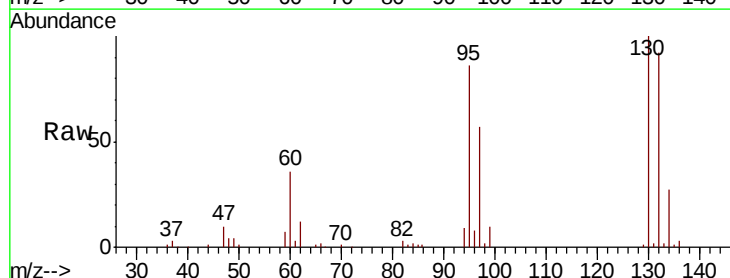
Acq: 01 Aug 2018 04:44

Tgt Ion:130 Resp: 40350

Ion Ratio Lower Upper

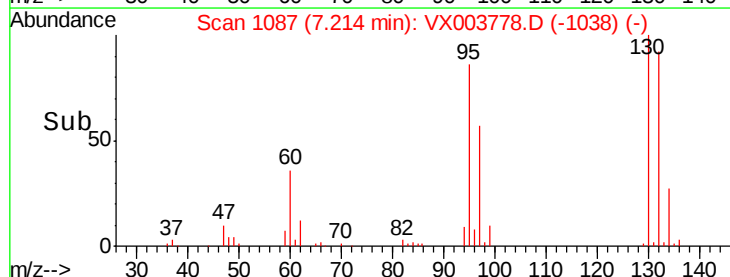
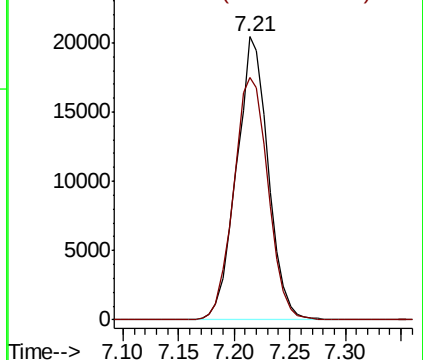
130 100

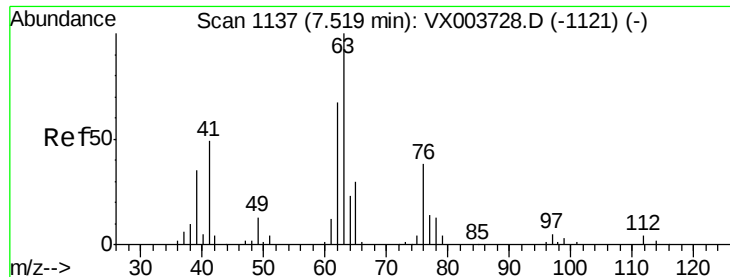
95 85.5 0.0 196.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 55.63 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VX003778.D

Acq: 01 Aug 2018 04:44

Instrument :

MSVOA_X

ClientSampleId :

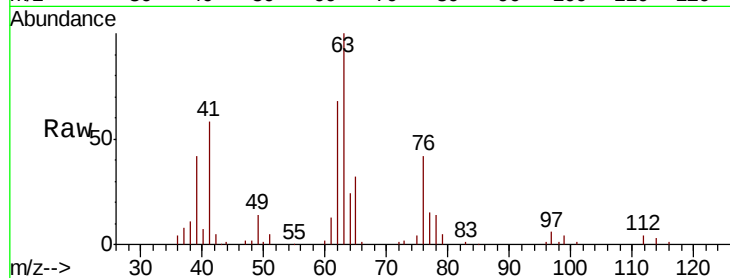
SB-1(3-5)MSD

Tot Ion: 63 Resp: 39716

Ion Ratio Lower Upper

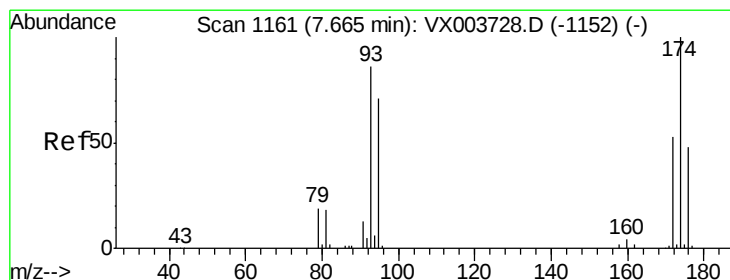
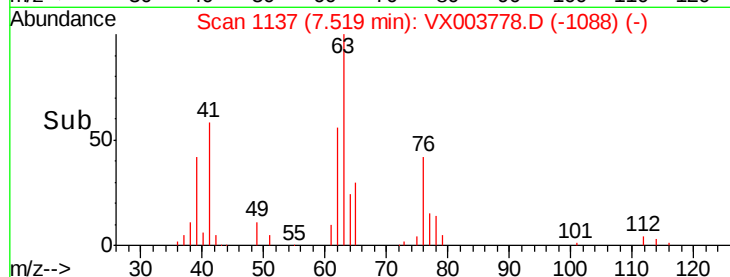
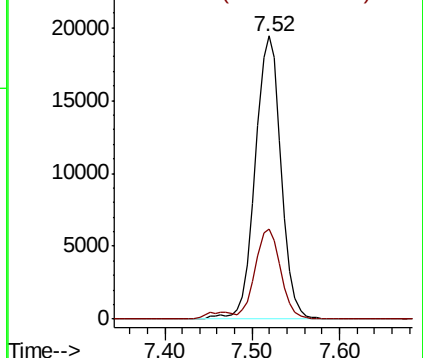
63 100

65 32.0 23.7 35.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 50.70 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VX003778.D

Acq: 01 Aug 2018 04:44

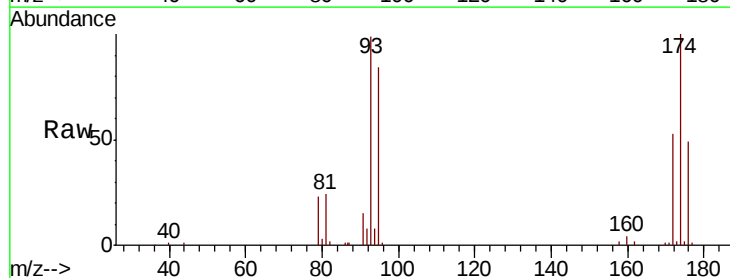
Tgt Ion: 93 Resp: 20856

Ion Ratio Lower Upper

93 100

95 83.8 68.1 102.1

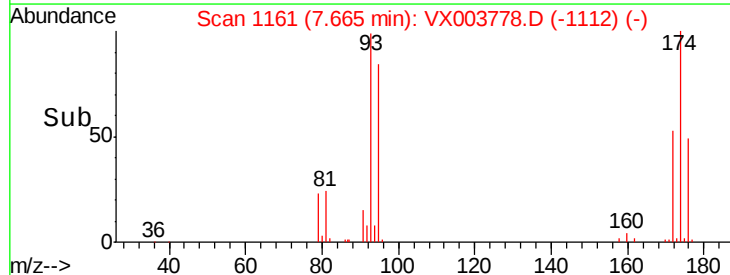
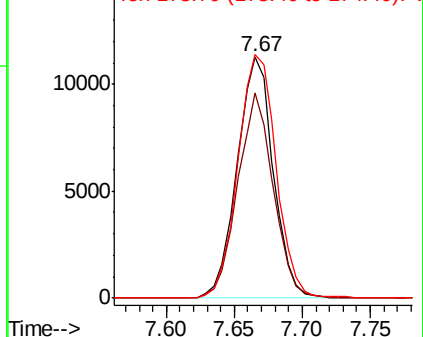
174 107.2 96.2 144.4

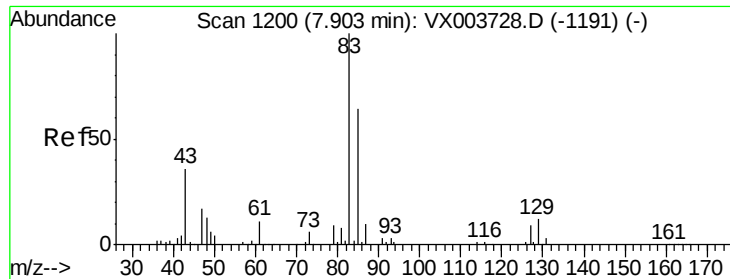


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 54.54 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003778.D

Acq: 01 Aug 2018 04:44

Instrument :

MSVOA_X

ClientSampleId :

SB-1(3-5)MSD

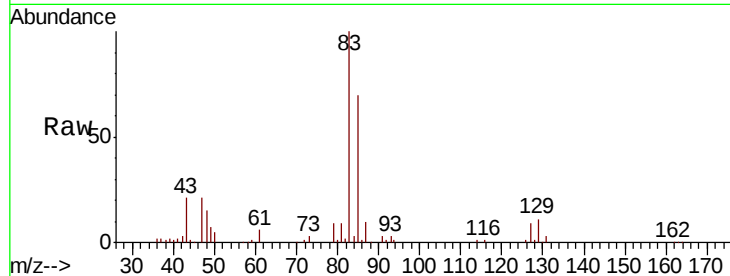
Tot Ion: 83 Resp: 44716

Ion Ratio Lower Upper

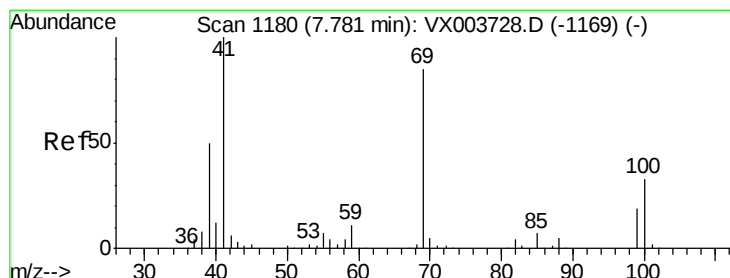
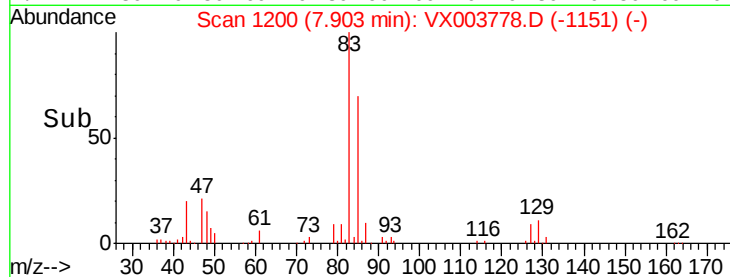
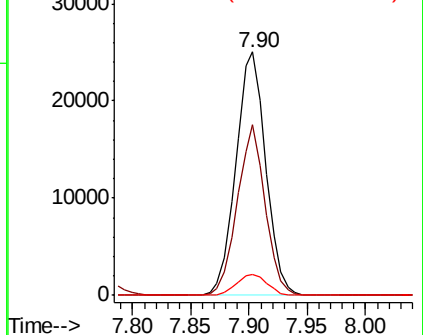
83 100

85 70.0 51.1 76.7

127 8.7 7.1 10.7



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 57.19 ug/l

RT: 7.77 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VX003778.D

Acq: 01 Aug 2018 04:44

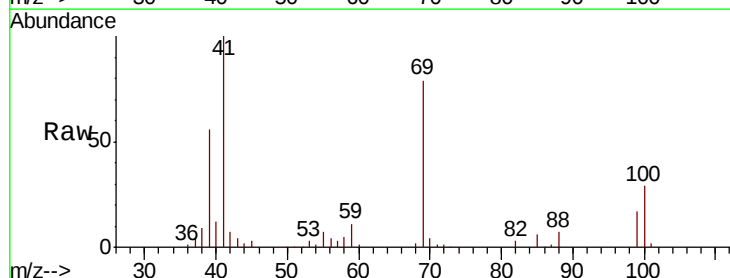
Tgt Ion: 41 Resp: 35570

Ion Ratio Lower Upper

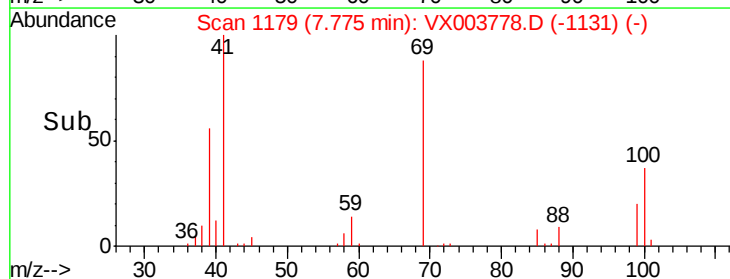
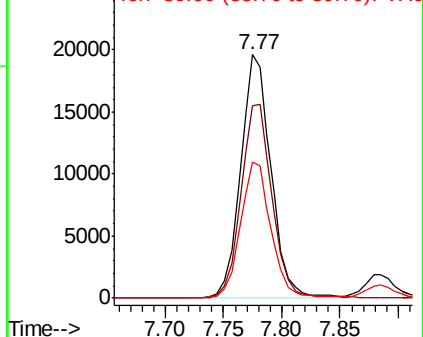
41 100

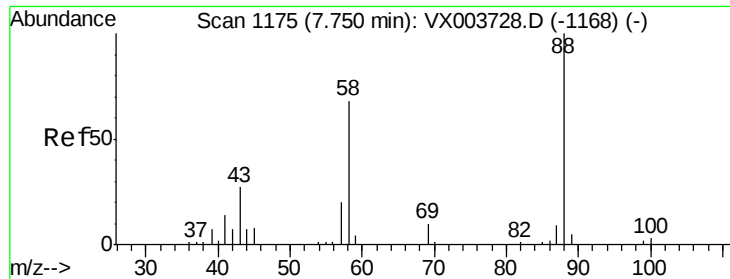
69 81.3 68.7 103.1

39 56.0 40.8 61.2



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

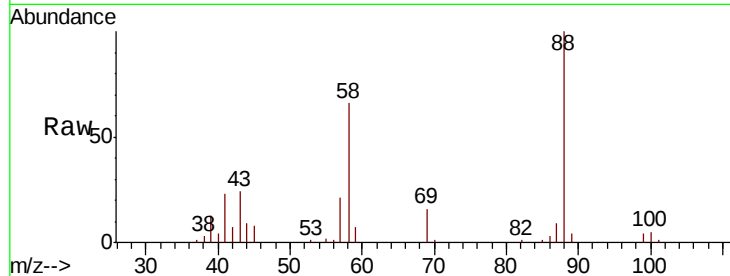




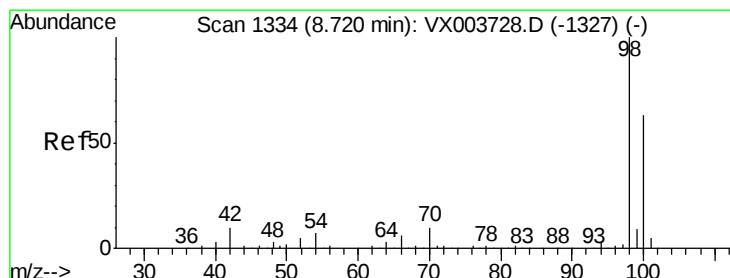
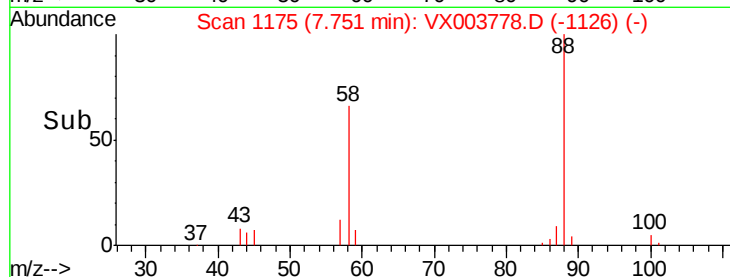
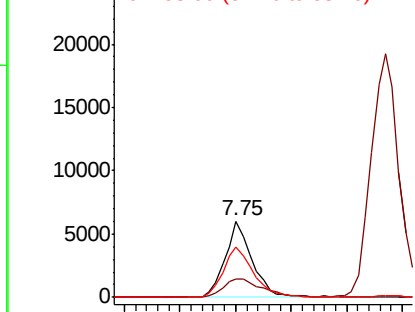
#49
1,4-Dioxane
Concen: 803.59 ug/l
RT: 7.75 min Scan# 1175
Delta R.T. 0.00 min
Lab File: VX003778.D
Acq: 01 Aug 2018 04:44

Instrument :
MSVOA_X
ClientSampleId :
SB-1(3-5)MSD

Tot Ion: 88 Resp: 10087
Ion Ratio Lower Upper
88 100
43 36.7 26.0 39.0
58 73.4 57.1 85.7

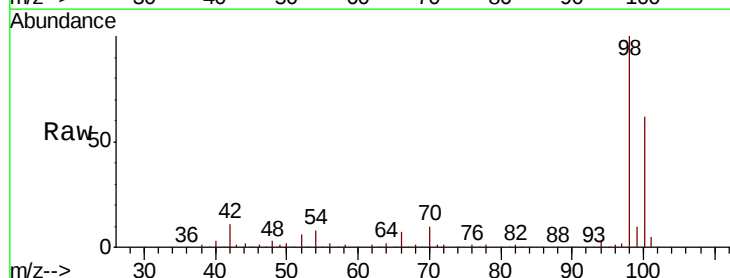


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

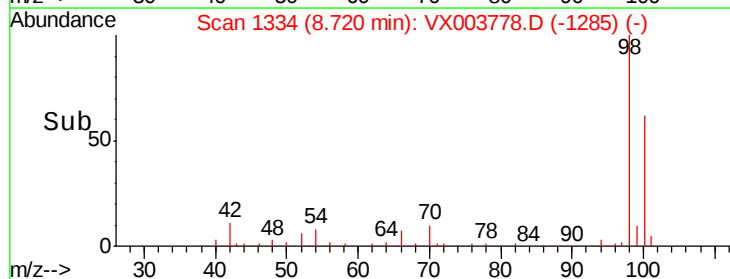
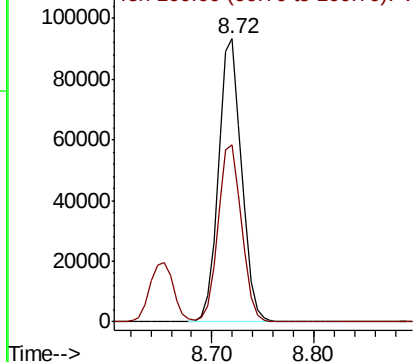


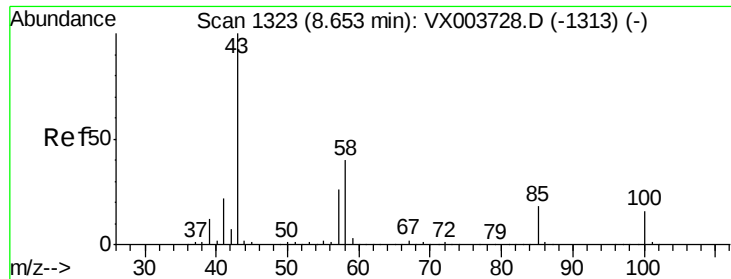
#50
Toluene-d8
Concen: 55.48 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003778.D
Acq: 01 Aug 2018 04:44

Tgt Ion: 98 Resp: 147338
Ion Ratio Lower Upper
98 100
100 63.7 51.4 77.0



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: 276.56 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX003778.D

Acq: 01 Aug 2018 04:44

Instrument :

MSVOA_X

ClientSampled :

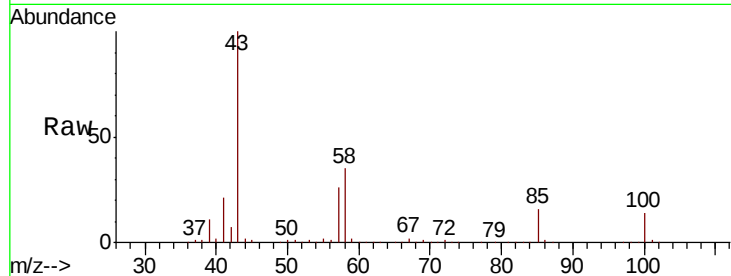
SB-1(3-5)MSD

Tot Ion: 43 Resp: 210731

Ion Ratio Lower Upper

43 100

58 38.5 32.1 48.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.65

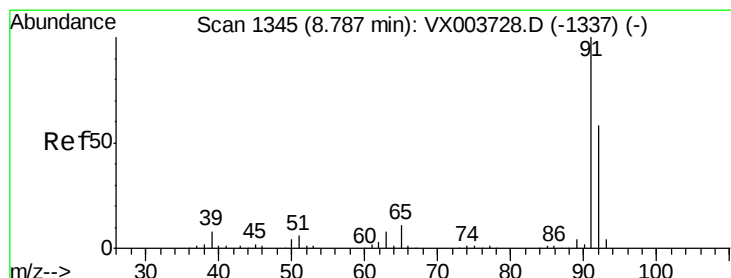
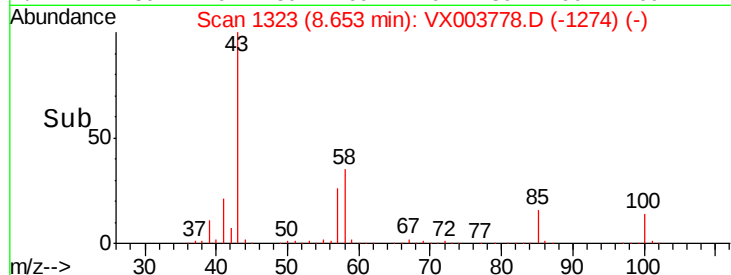
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 59.23 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003778.D

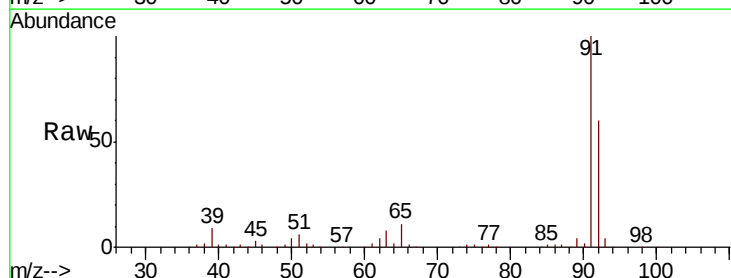
Acq: 01 Aug 2018 04:44

Tgt Ion: 92 Resp: 107260

Ion Ratio Lower Upper

92 100

91 167.6 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

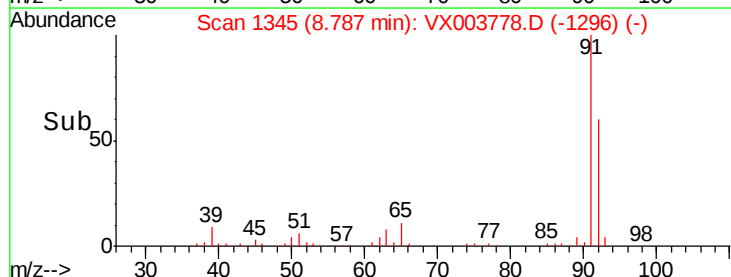
8.79

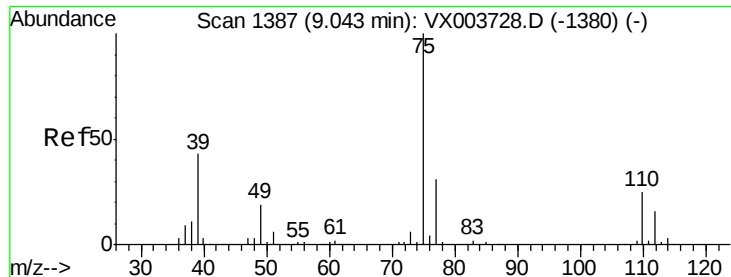
100000

50000

0

Time-->

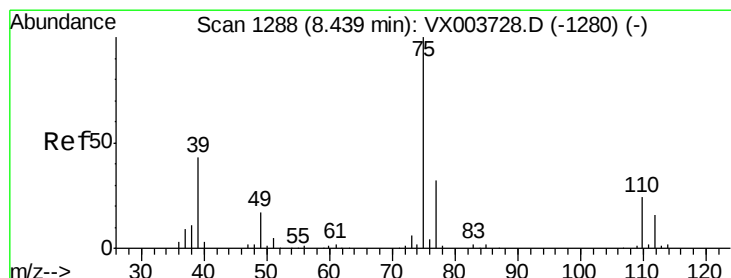
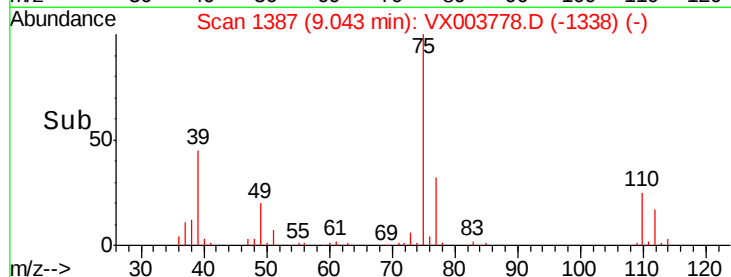
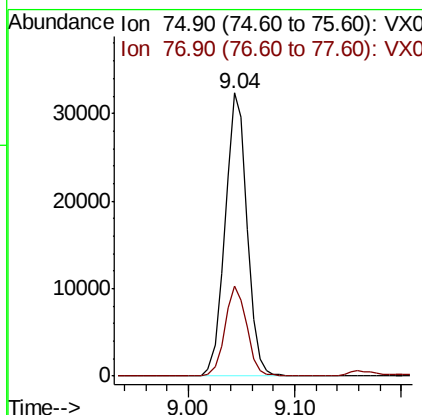
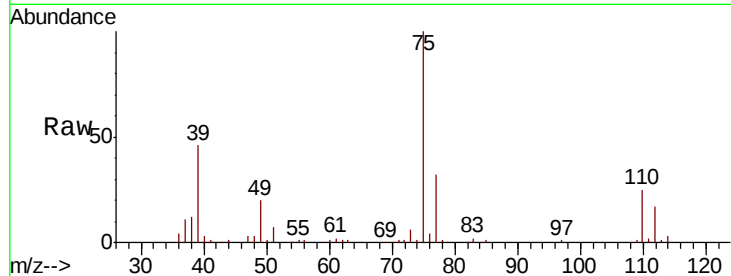




#53
 t-1,3-Dichloropropene
 Concen: 49.82 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. 0.00 min
 Lab File: VX003778.D
 Acq: 01 Aug 2018 04:44

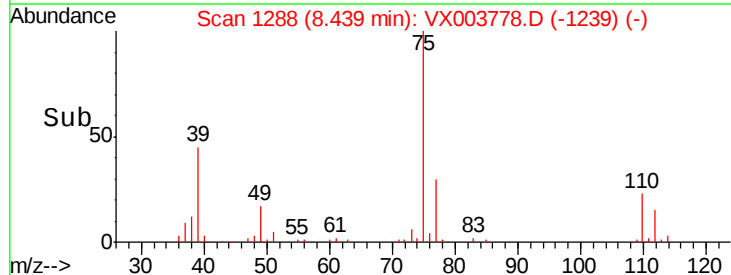
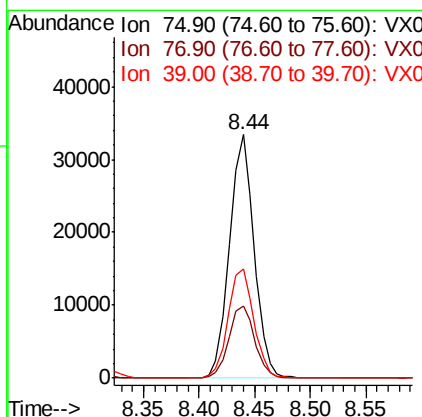
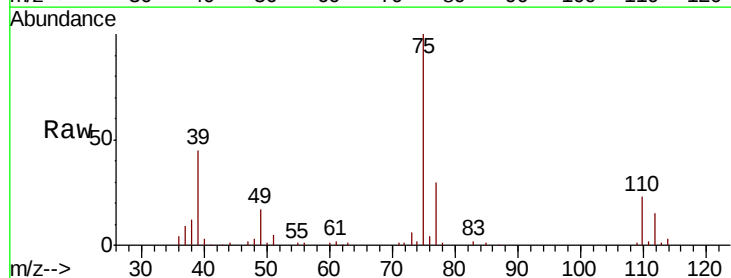
Instrument :
 MSVOA_X
 ClientSampleId :
 SB-1(3-5)MSD

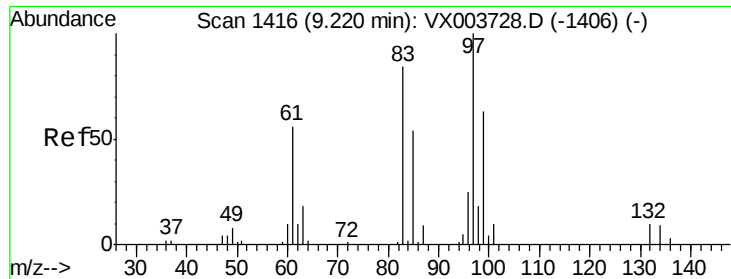
Tot Ion: 75 Resp: 46648
 Ion Ratio Lower Upper
 75 100
 77 31.7 24.9 37.3



#54
 cis-1,3-Dichloropropene
 Concen: 49.02 ug/l
 RT: 8.44 min Scan# 1288
 Delta R.T. 0.00 min
 Lab File: VX003778.D
 Acq: 01 Aug 2018 04:44

Tgt Ion: 75 Resp: 51165
 Ion Ratio Lower Upper
 75 100
 77 29.9 25.3 37.9
 39 44.5 34.1 51.1

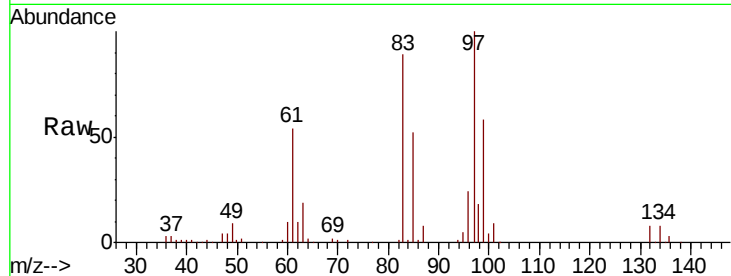




#55
 1,1,2-Trichloroethane
 Concen: 65.40 ug/l
 RT: 9.21 min Scan# 1415
 Delta R.T. -0.01 min
 Lab File: VX003778.D
 Acq: 01 Aug 2018 04:44

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-1(3-5)MSD

Tot Ion:	97	Resp:	40757
Ion	Ratio	Lower	Upper
97	100		
83	88.7	67.4	101.0
85	52.1	43.3	64.9
99	58.1	50.8	76.2



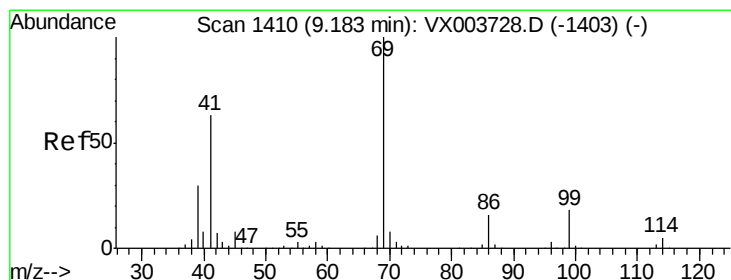
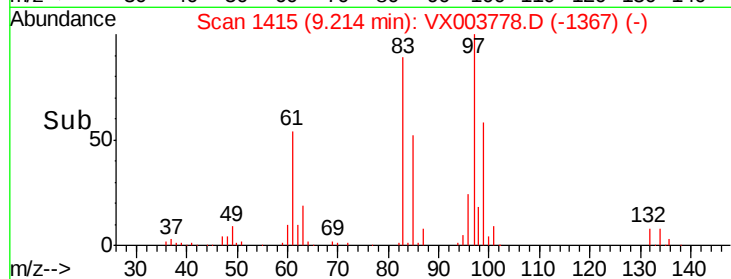
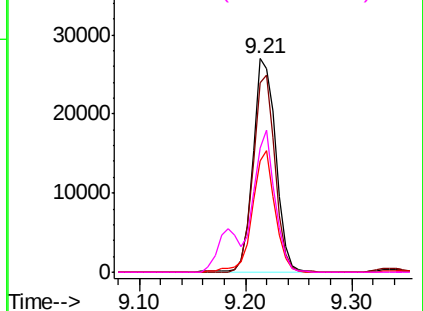
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

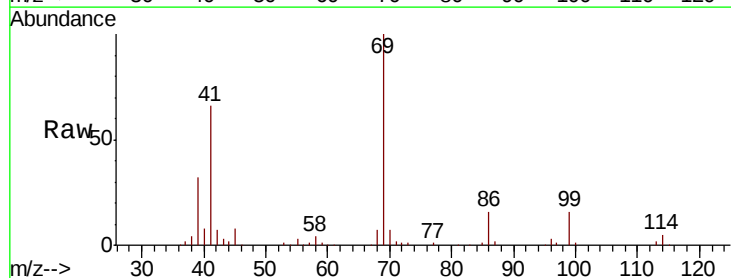
Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56
 Ethyl methacrylate
 Concen: 52.99 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX003778.D
 Acq: 01 Aug 2018 04:44

Tgt Ion:	69	Resp:	45365
Ion	Ratio	Lower	Upper
69	100		
41	66.8	51.6	77.4
39	35.1	25.1	37.7

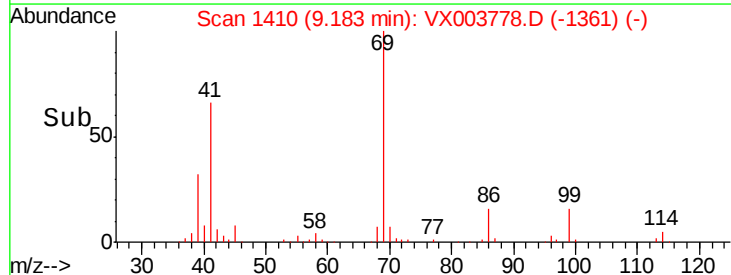
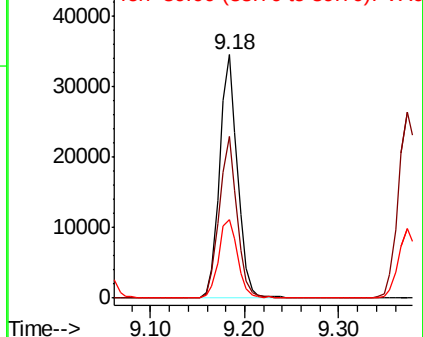


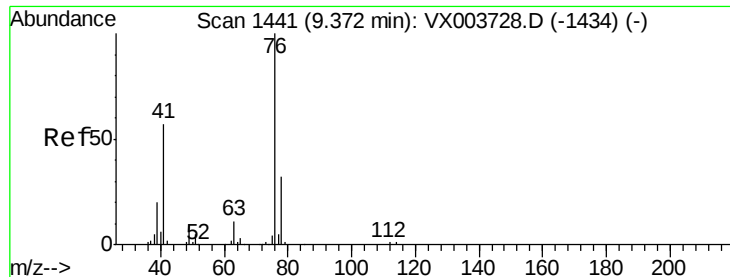
Abundance

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: 61.38 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. 0.00 min

Lab File: VX003778.D

Acq: 01 Aug 2018 04:44

Instrument :

MSVOA_X

ClientSampleId :

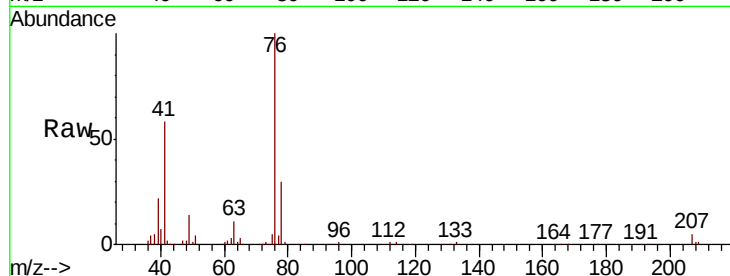
SB-1(3-5)MSD

Tot Ion: 76 Resp: 64211

Ion Ratio Lower Upper

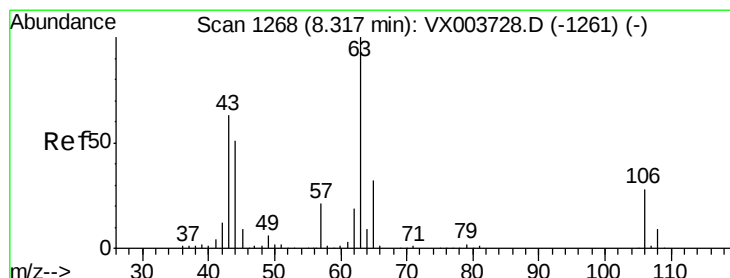
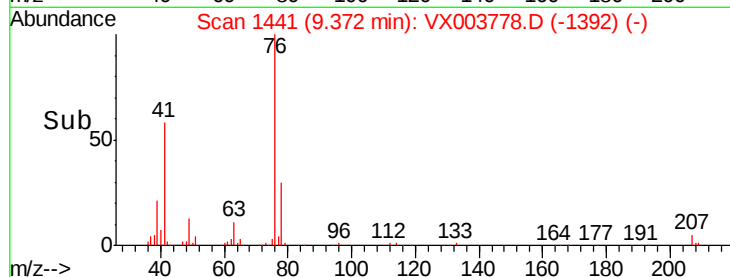
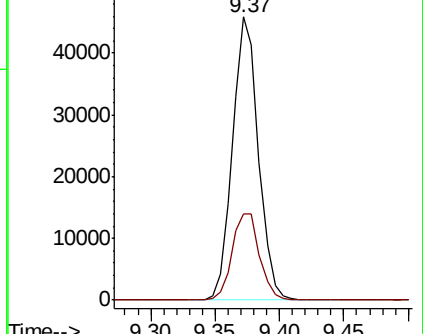
76 100

78 32.2 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 243.29 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VX003778.D

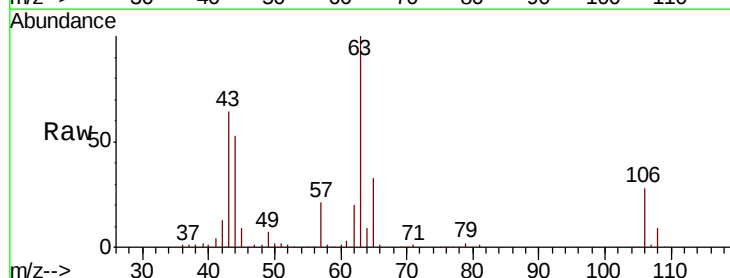
Acq: 01 Aug 2018 04:44

Tgt Ion: 63 Resp: 110938

Ion Ratio Lower Upper

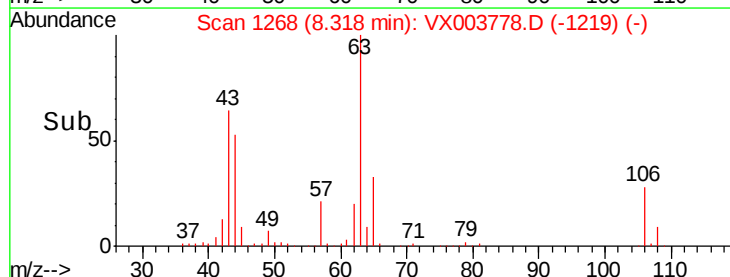
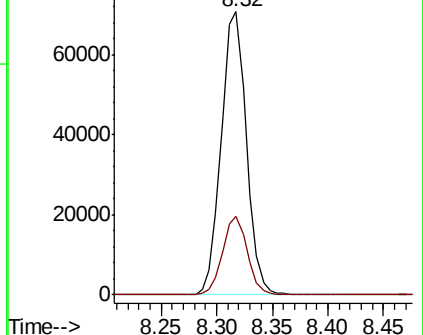
63 100

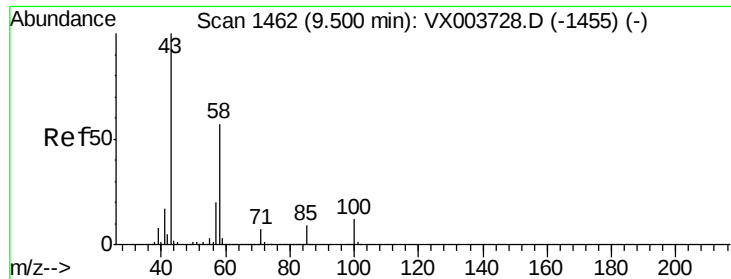
106 27.2 22.5 33.7



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

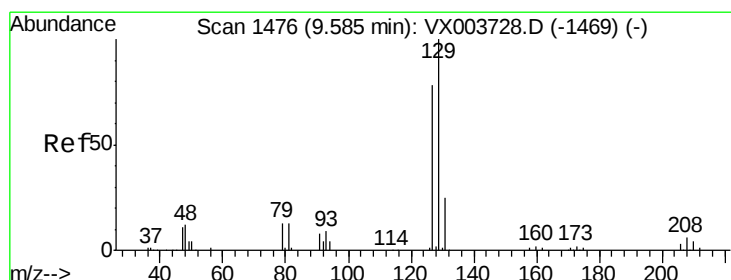
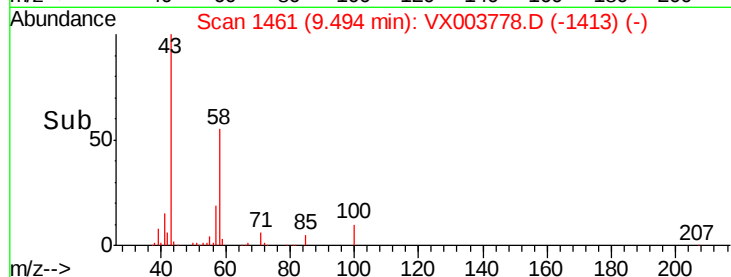
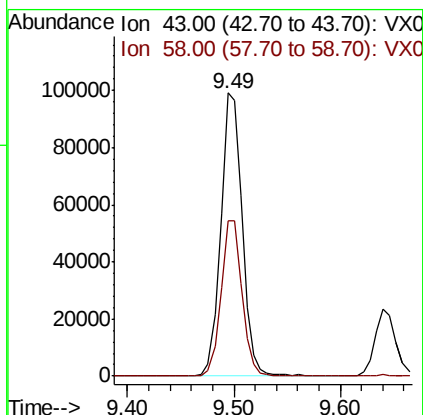
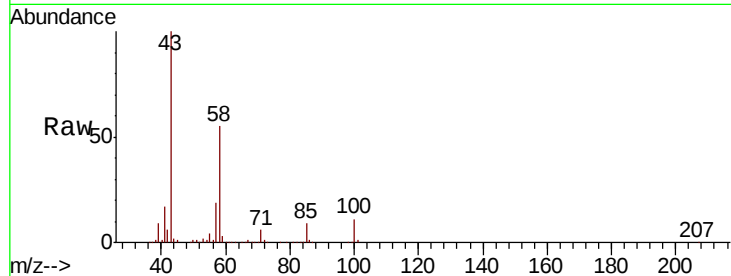




#59
2-Hexanone
Concen: 239.25 ug/l
RT: 9.49 min Scan# 1461
Delta R.T. -0.01 min
Lab File: VX003778.D
Acq: 01 Aug 2018 04:44

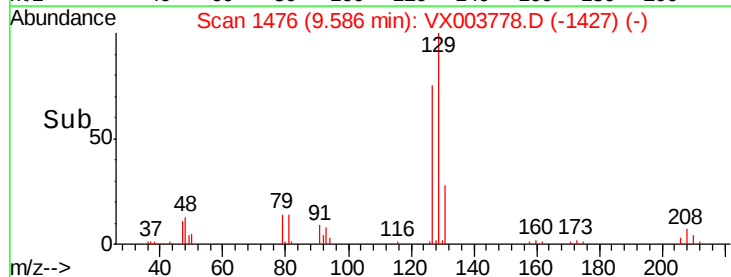
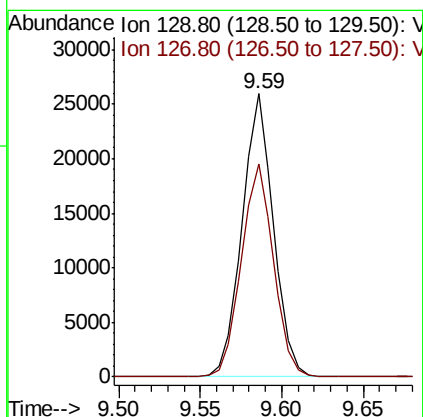
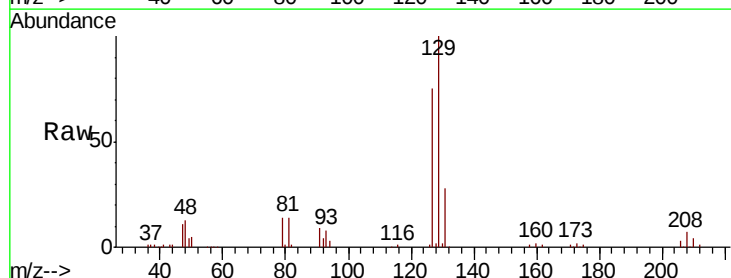
Instrument :
MSVOA_X
ClientSampleId :
SB-1(3-5)MSD

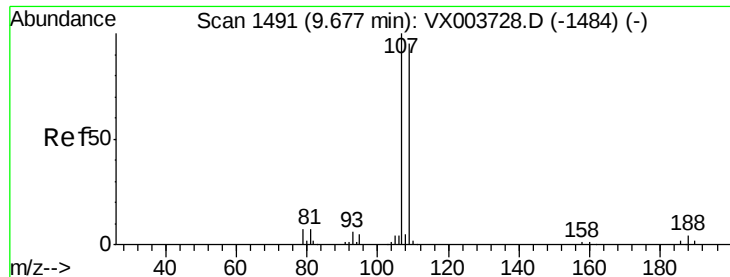
Tot Ion: 43 Resp: 138883
Ion Ratio Lower Upper
43 100
58 54.1 28.0 83.9



#60
Dibromochloromethane
Concen: 55.33 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003778.D
Acq: 01 Aug 2018 04:44

Tgt Ion: 129 Resp: 34726
Ion Ratio Lower Upper
129 100
127 77.2 38.8 116.4





#61

1,2-Dibromoethane

Concen: 50.46 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003778.D

Acq: 01 Aug 2018 04:44

Instrument :

MSVOA_X

ClientSampleId :

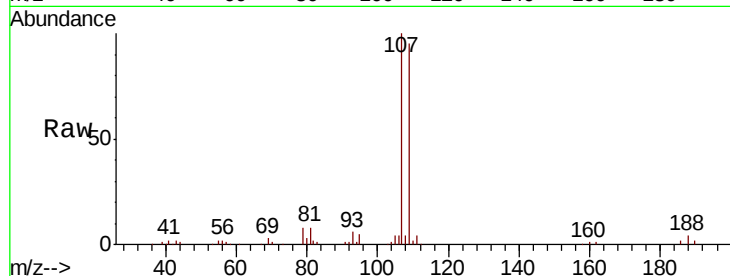
SB-1(3-5)MSD

Tot Ion:107 Resp: 32111

Ion Ratio Lower Upper

107 100

109 95.1 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

25000

20000

15000

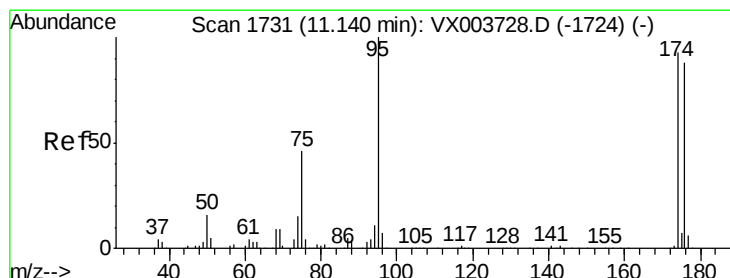
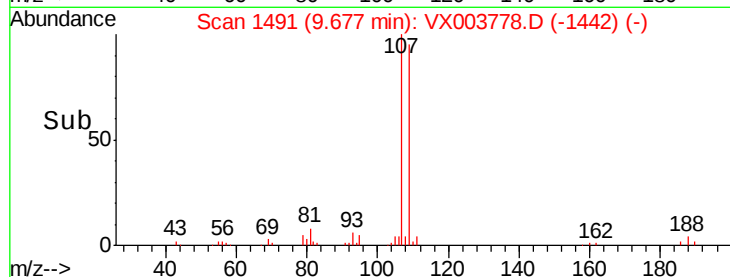
10000

5000

0

Time-->

9.60 9.65 9.70 9.75



#62

4-Bromofluorobenzene

Concen: 39.28 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003778.D

Acq: 01 Aug 2018 04:44

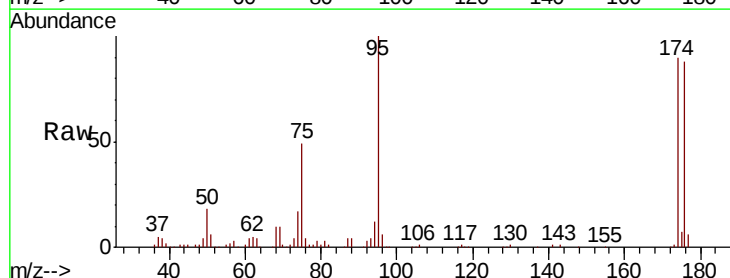
Tgt Ion: 95 Resp: 38461

Ion Ratio Lower Upper

95 100

174 89.2 0.0 186.2

176 86.7 0.0 179.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

40000

30000

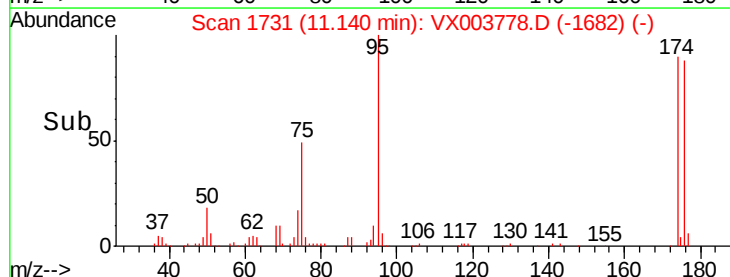
20000

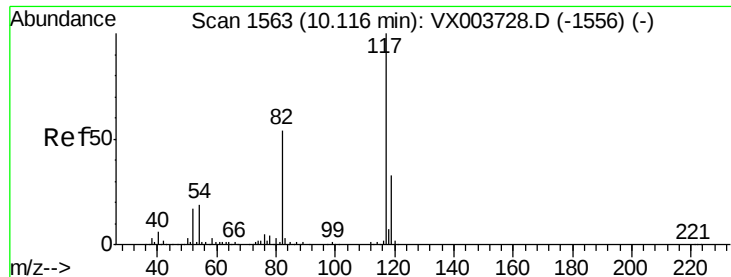
10000

0

Time-->

11.10 11.15 11.20

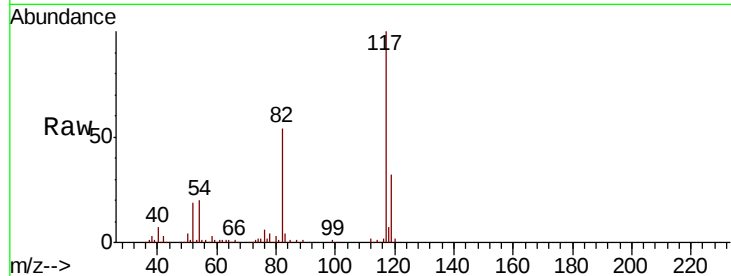




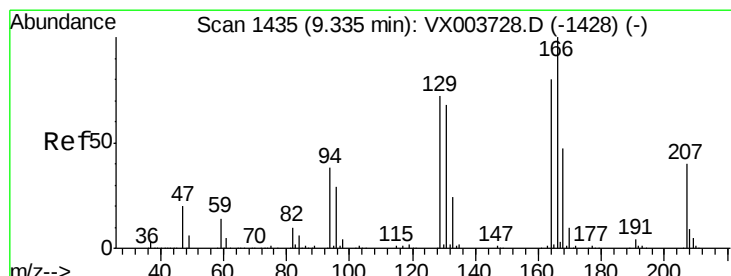
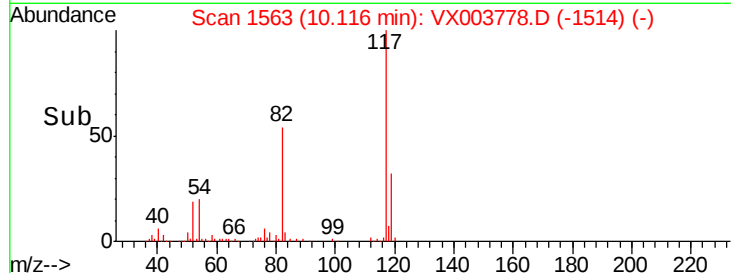
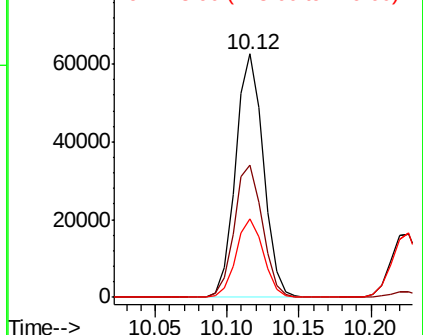
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003778.D
Acq: 01 Aug 2018 04:44

Instrument :
MSVOA_X
ClientSampleId :
SB-1(3-5)MSD

Tot Ion:117 Resp: 84246
Ion Ratio Lower Upper
117 100
82 54.5 43.2 64.8
119 32.4 26.3 39.5

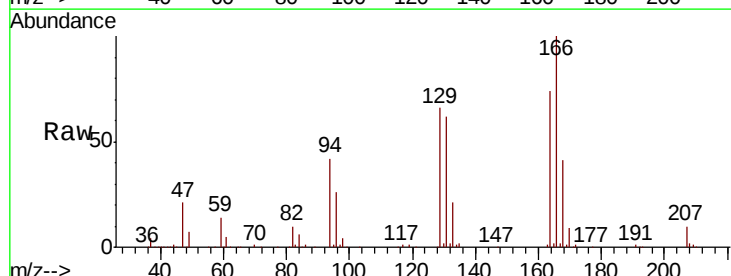


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

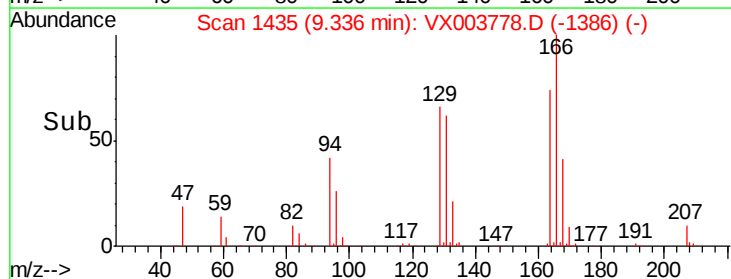
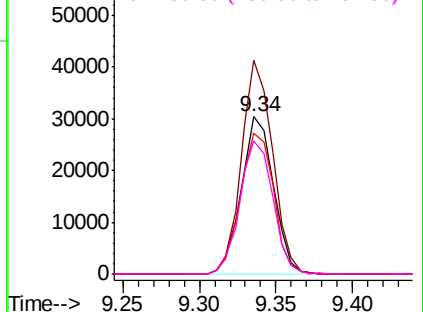


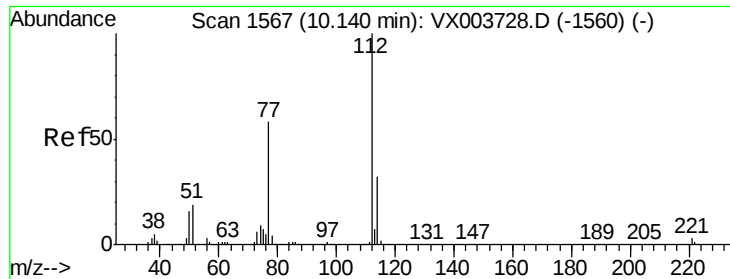
#64
Tetrachloroethene
Concen: 67.13 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VX003778.D
Acq: 01 Aug 2018 04:44

Tgt Ion:164 Resp: 44455
Ion Ratio Lower Upper
164 100
166 135.8 100.4 150.6
129 89.7 71.8 107.8
131 84.6 68.3 102.5



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

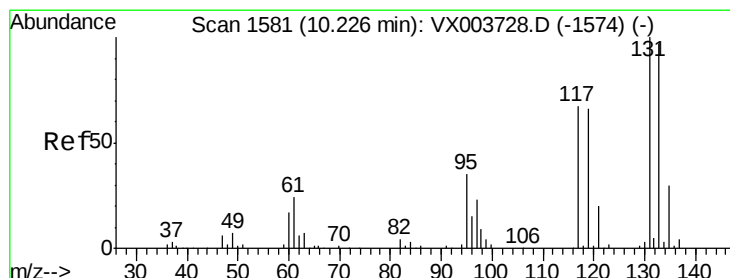
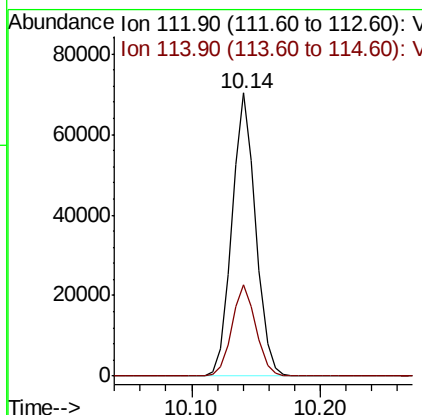
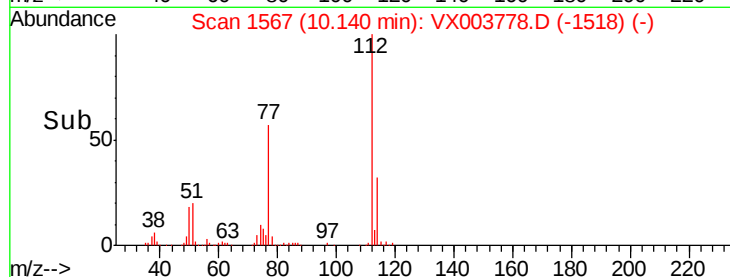
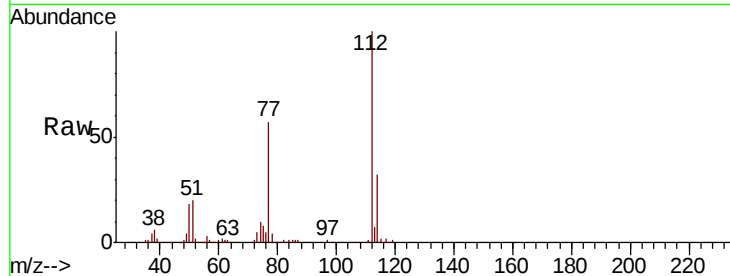




#65
Chlorobenzene
Concen: 51.31 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX003778.D
Acq: 01 Aug 2018 04:44

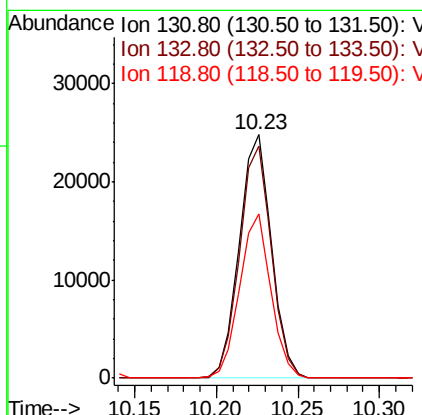
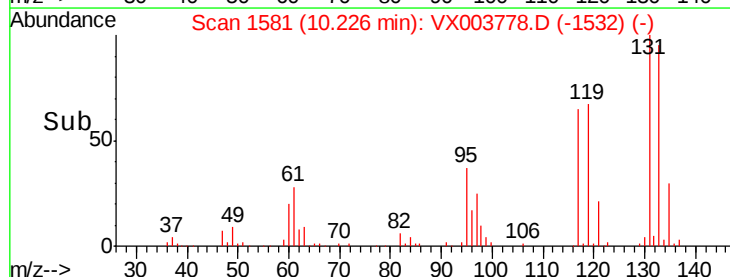
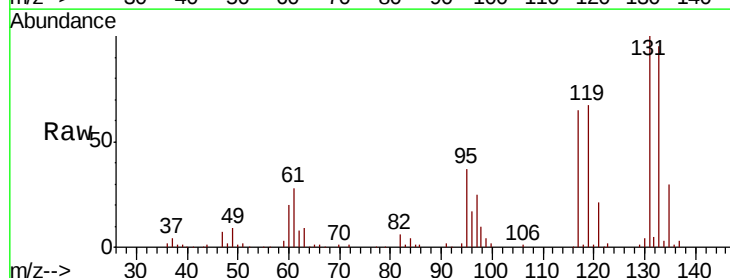
Instrument :
MSVOA_X
ClientSampleId :
SB-1(3-5)MSD

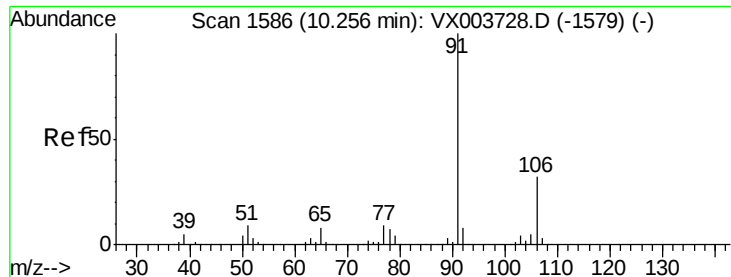
Tot Ion:112 Resp: 90338
Ion Ratio Lower Upper
112 100
114 32.1 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 59.21 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX003778.D
Acq: 01 Aug 2018 04:44

Tgt Ion:131 Resp: 33991
Ion Ratio Lower Upper
131 100
133 94.9 47.6 142.9
119 65.7 32.8 98.3

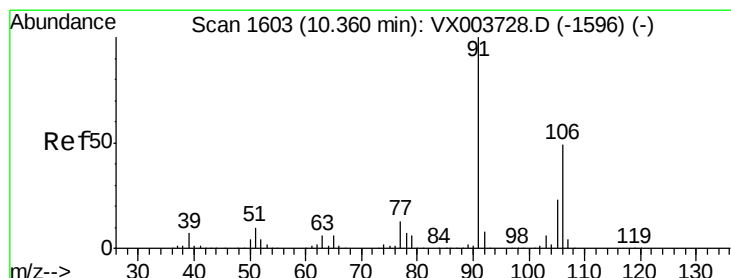
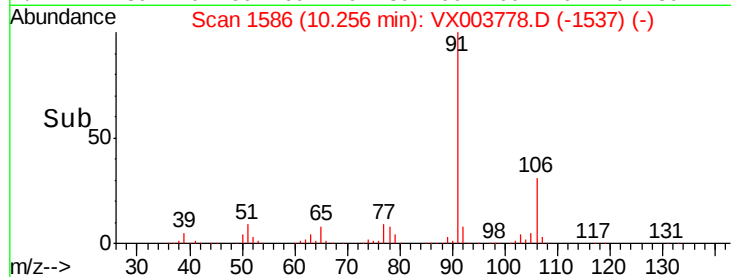
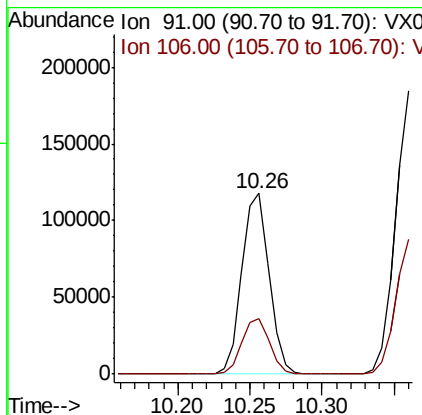
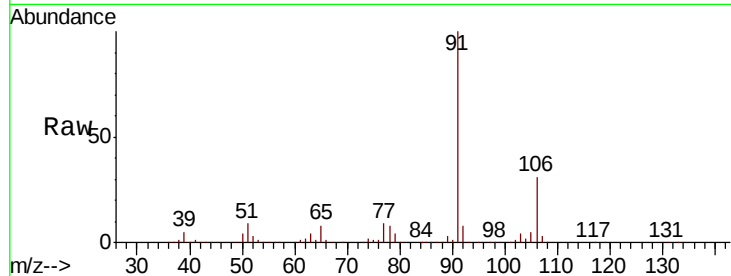




#67
Ethyl Benzene
Concen: 52.19 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX003778.D
Acq: 01 Aug 2018 04:44

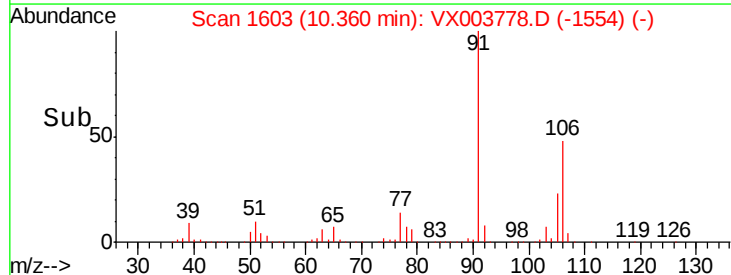
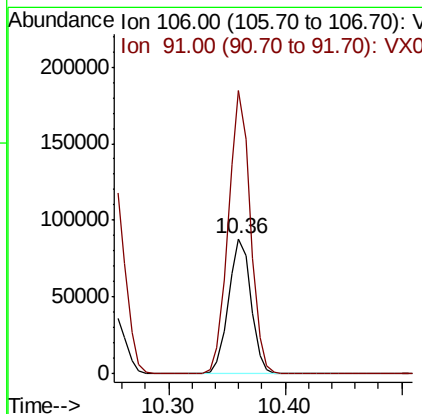
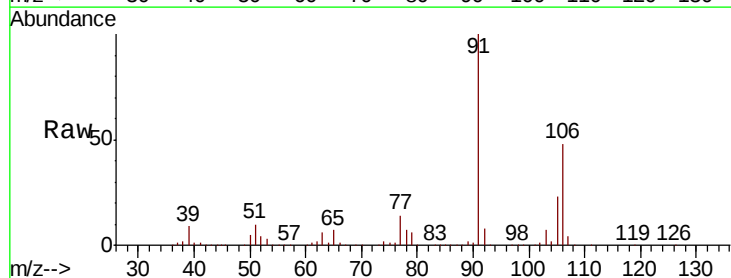
Instrument :
MSVOA_X
ClientSampleId :
SB-1(3-5)MSD

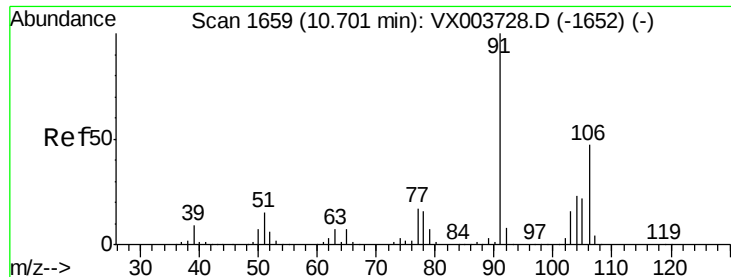
Tot Ion: 91 Resp: 155133
Ion Ratio Lower Upper
91 100
106 31.0 25.4 38.2



#68
m/p-Xylenes
Concen: 101.53 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003778.D
Acq: 01 Aug 2018 04:44

Tgt Ion: 106 Resp: 118065
Ion Ratio Lower Upper
106 100
91 205.7 159.8 239.8

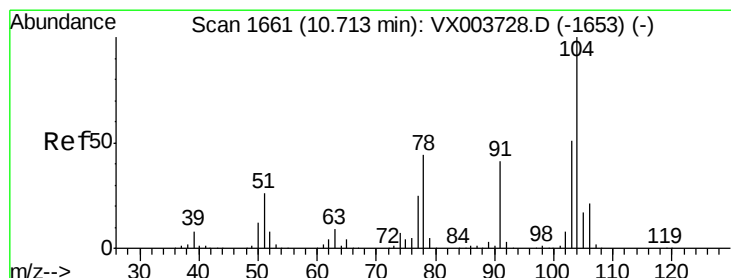
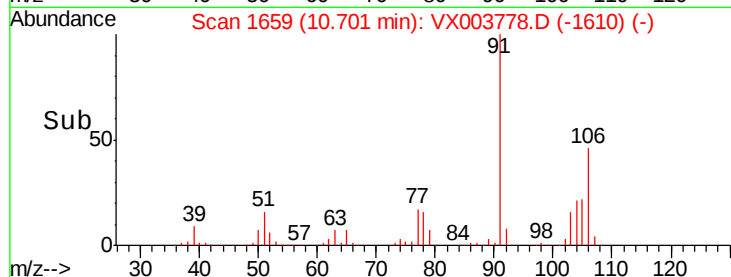
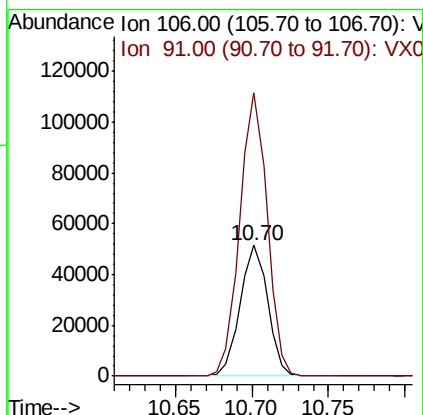
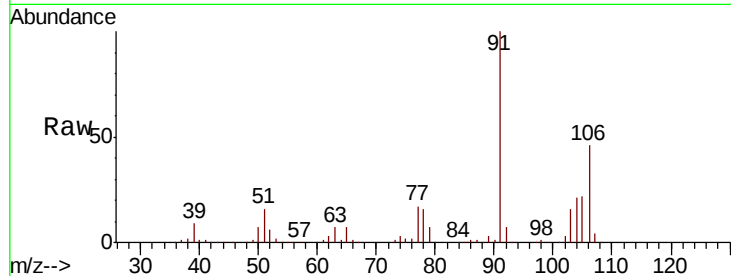




#69
o-Xylene
Concen: 59.88 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003778.D
Acq: 01 Aug 2018 04:44

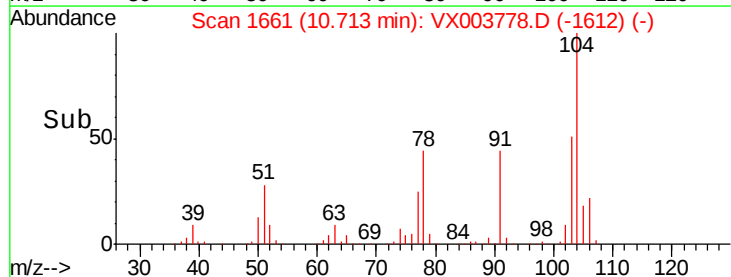
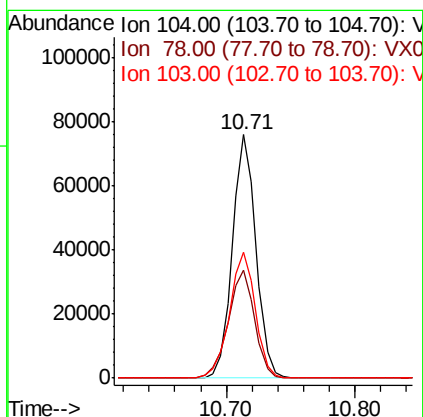
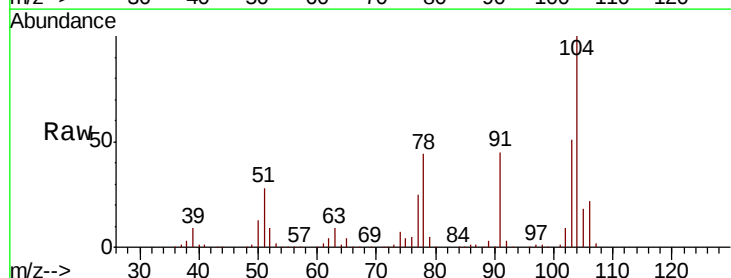
Instrument :
MSVOA_X
ClientSampleId :
SB-1(3-5)MSD

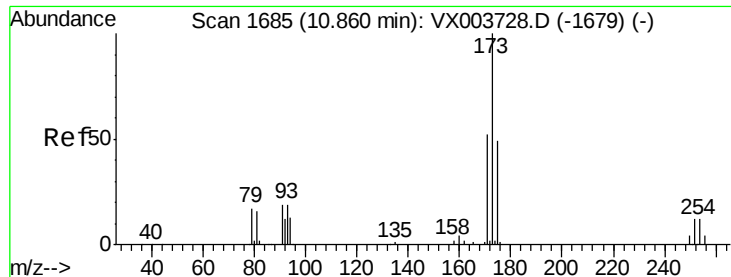
Tot Ion:106 Resp: 64652
Ion Ratio Lower Upper
106 100
91 215.1 105.6 316.8



#70
Styrene
Concen: 53.41 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003778.D
Acq: 01 Aug 2018 04:44

Tgt Ion:104 Resp: 97023
Ion Ratio Lower Upper
104 100
78 49.7 38.2 57.2
103 56.7 44.5 66.7





#71

Bromoform

Concen: 55.62 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX003778.D

Acq: 01 Aug 2018 04:44

Instrument :

MSVOA_X

ClientSampleId :

SB-1(3-5)MSD

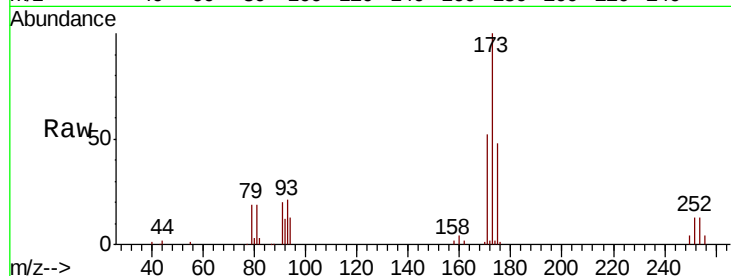
Tot Ion:173 Resp: 21956

Ion Ratio Lower Upper

173 100

175 49.2 24.9 74.6

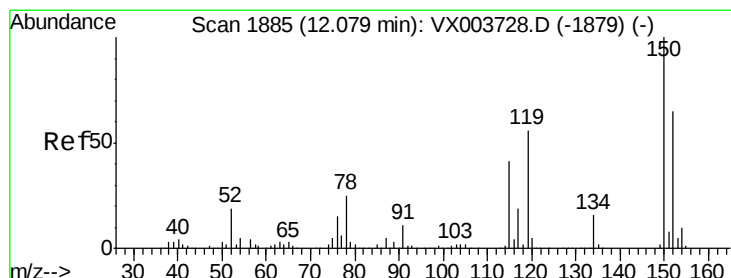
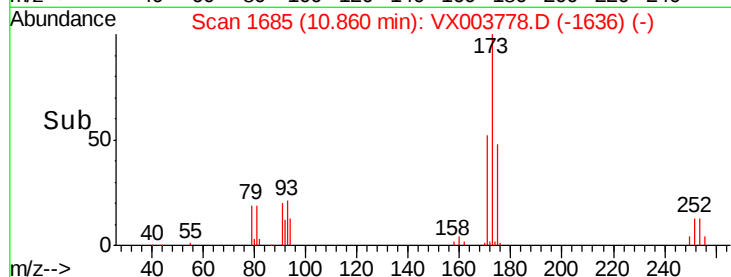
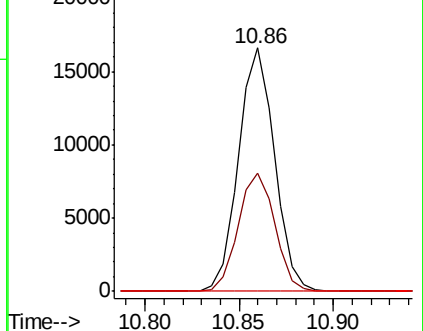
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003778.D

Acq: 01 Aug 2018 04:44

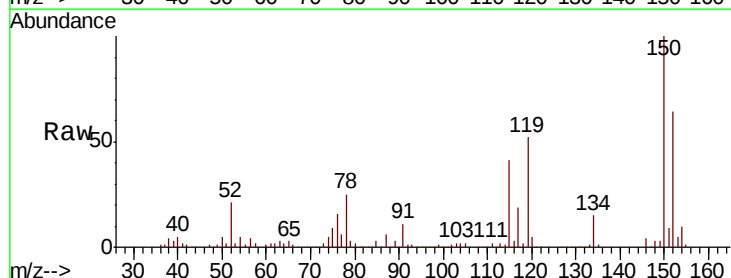
Tgt Ion:152 Resp: 36879

Ion Ratio Lower Upper

152 100

115 80.8 38.5 115.3

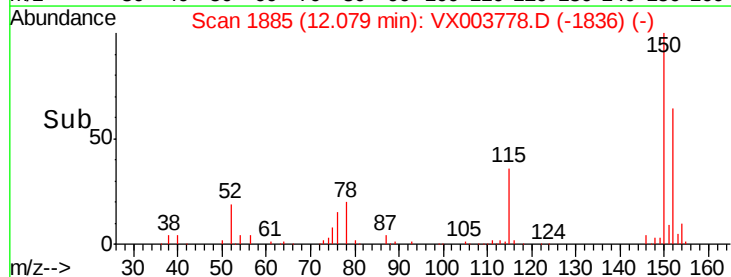
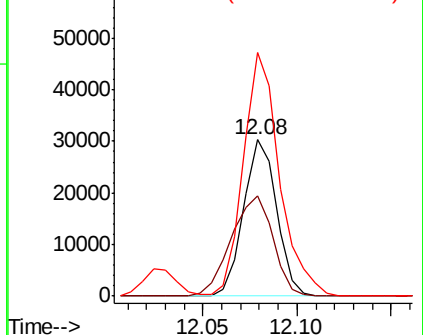
150 170.7 0.0 346.2

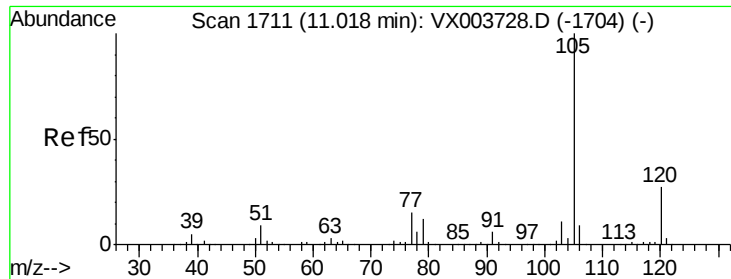


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 63.64 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. 0.00 min

Lab File: VX003778.D

Acq: 01 Aug 2018 04:44

Instrument :

MSVOA_X

ClientSampleId :

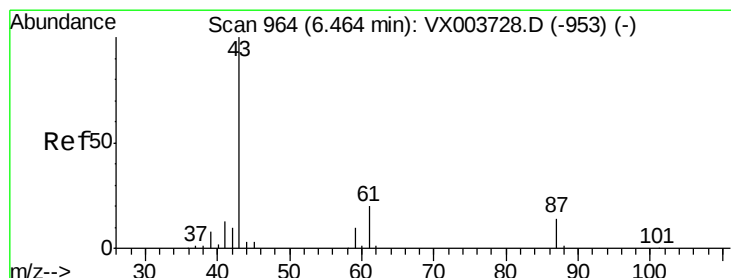
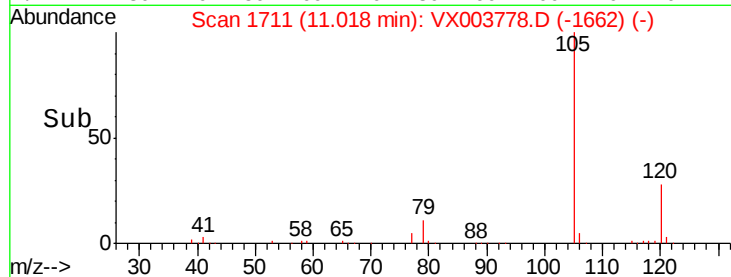
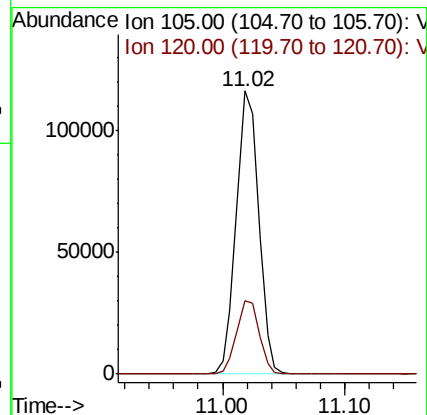
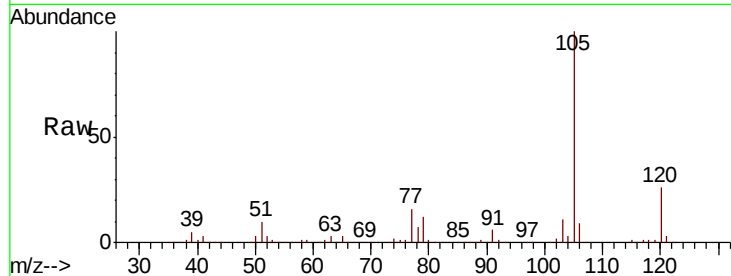
SB-1(3-5)MSD

Tot Ion:105 Resp: 146922

Ion Ratio Lower Upper

105 100

120 26.3 13.5 40.5



#74

N-ethyl acetate

Concen: 71.69 ug/l

RT: 6.46 min Scan# 963

Delta R.T. -0.01 min

Lab File: VX003778.D

Acq: 01 Aug 2018 04:44

Tgt Ion: 43 Resp: 58664

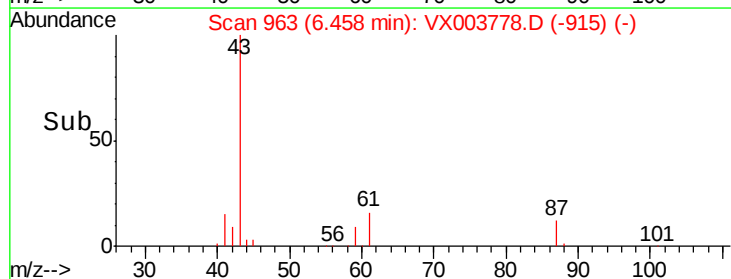
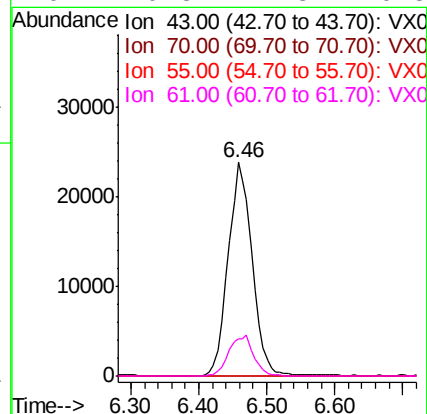
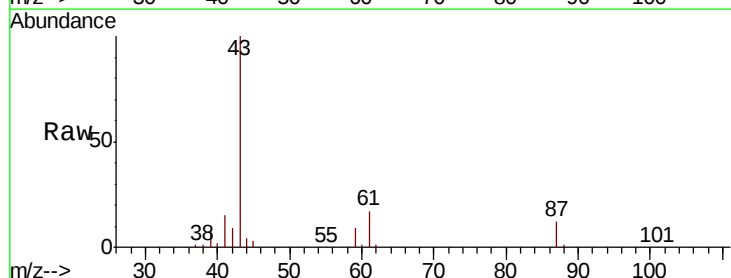
Ion Ratio Lower Upper

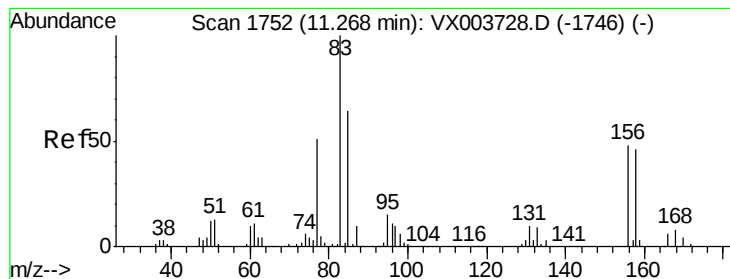
43 100

70 0.0 31.0 46.6#

55 0.1 18.9 28.3#

61 19.3 17.8 26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 71.07 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. 0.00 min

Lab File: VX003778.D

Acq: 01 Aug 2018 04:44

Instrument :

MSVOA_X

ClientSampleId :

SB-1(3-5)MSD

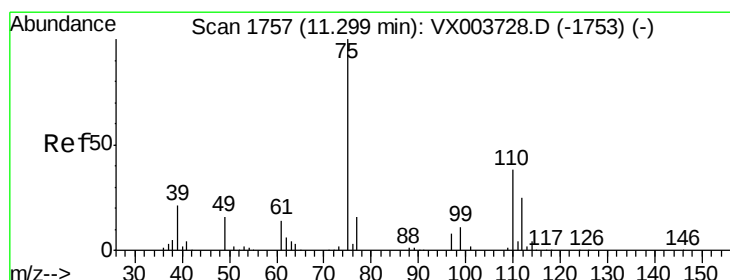
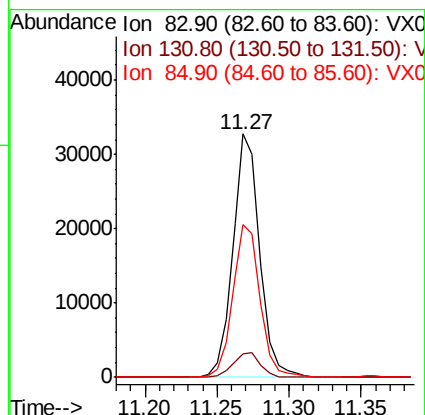
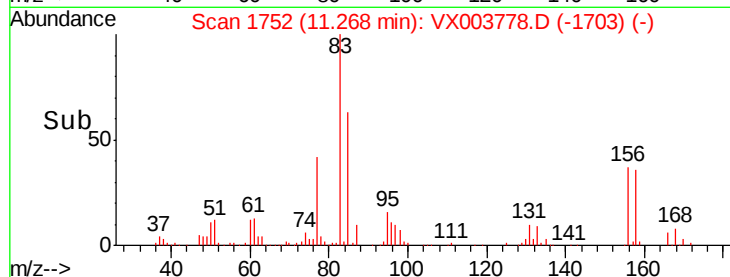
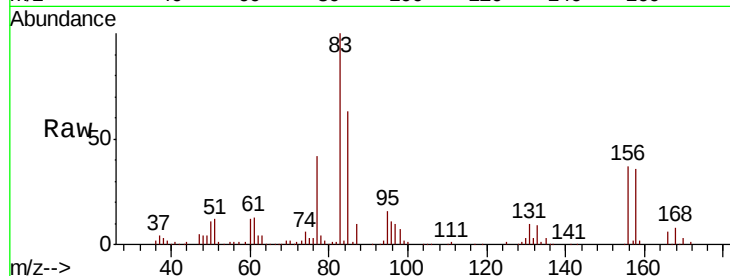
Tot Ion: 83 Resp: 42661

Ion Ratio Lower Upper

83 100

131 10.4 5.3 15.9

85 64.0 32.0 96.2



#76

1,2,3-Trichloropropane

Concen: 82.53 ug/l

RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VX003778.D

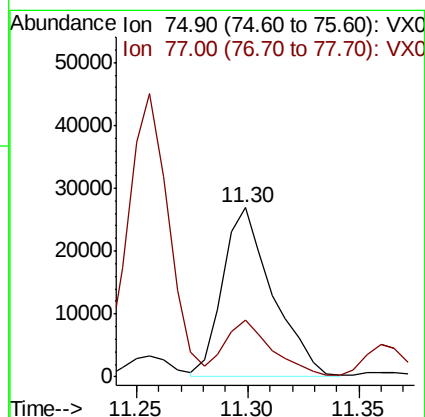
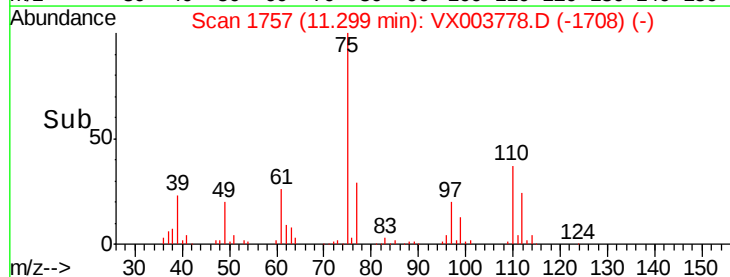
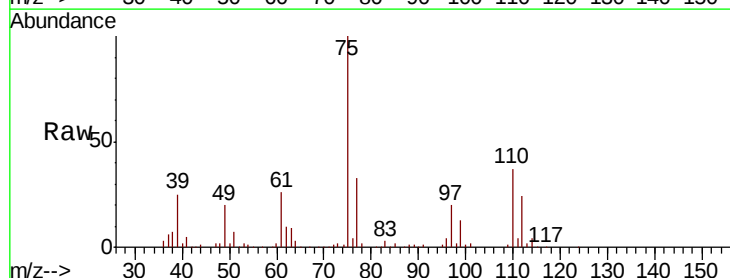
Acq: 01 Aug 2018 04:44

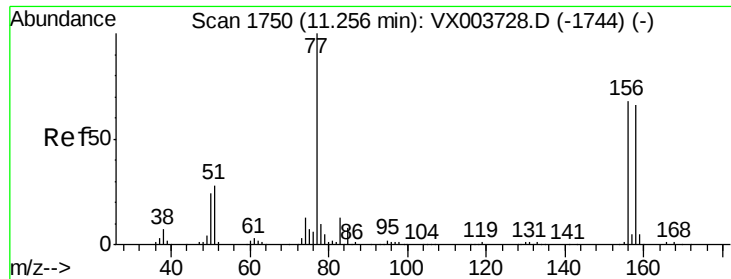
Tgt Ion: 75 Resp: 41951

Ion Ratio Lower Upper

75 100

77 31.7 21.6 65.0





#77

Bromobenzene

Concen: 61.50 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003778.D

Acq: 01 Aug 2018 04:44

Instrument :

MSVOA_X

ClientSampleId :

SB-1(3-5)MSD

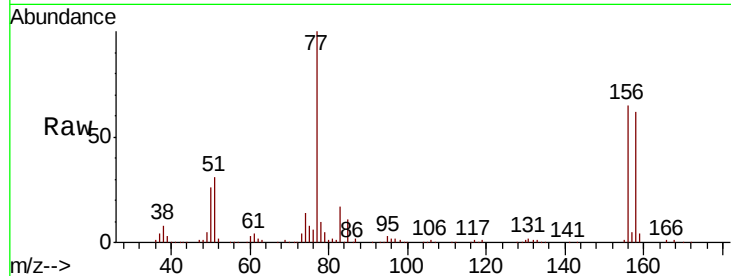
Tot Ion:156 Resp: 37018

Ion Ratio Lower Upper

156 100

77 154.4 71.8 215.3

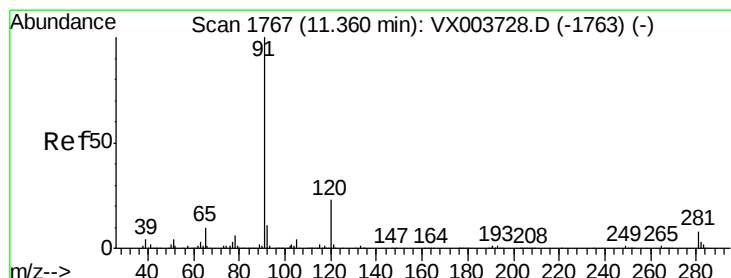
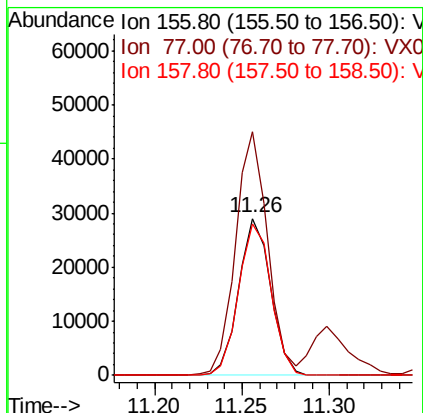
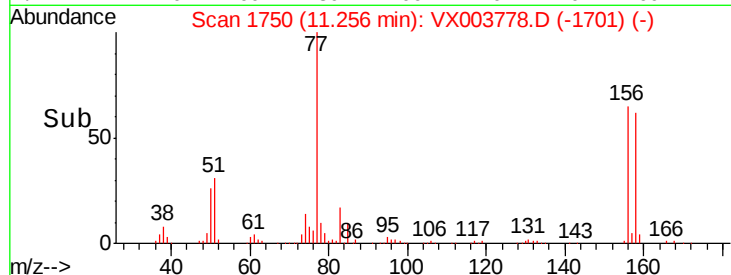
158 98.5 48.8 146.4



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: 58.62 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. 0.00 min

Lab File: VX003778.D

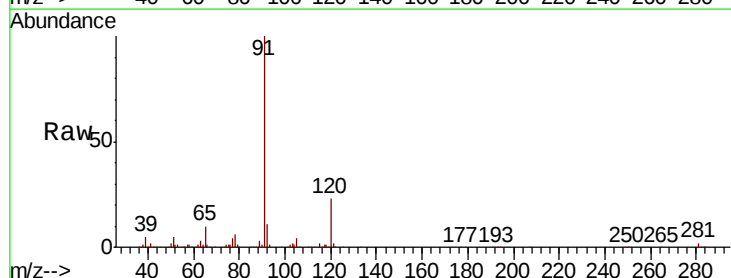
Acq: 01 Aug 2018 04:44

Tgt Ion: 91 Resp: 163955

Ion Ratio Lower Upper

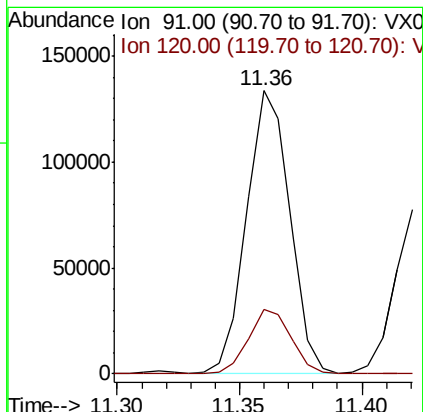
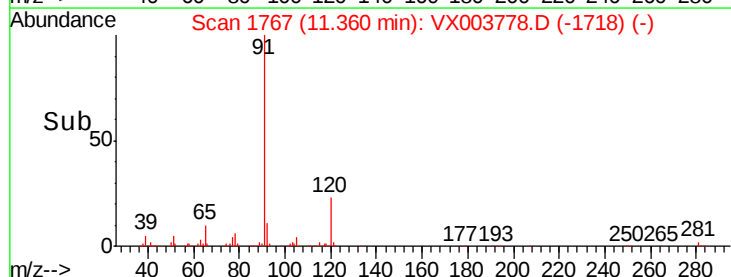
91 100

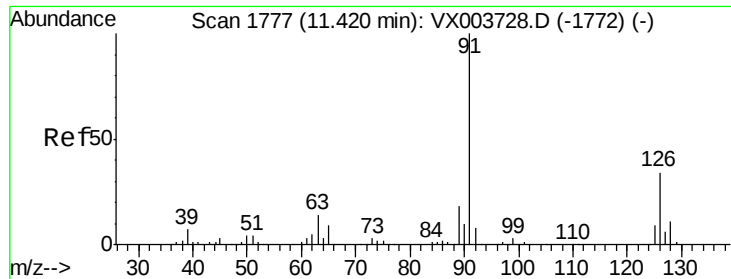
120 22.6 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

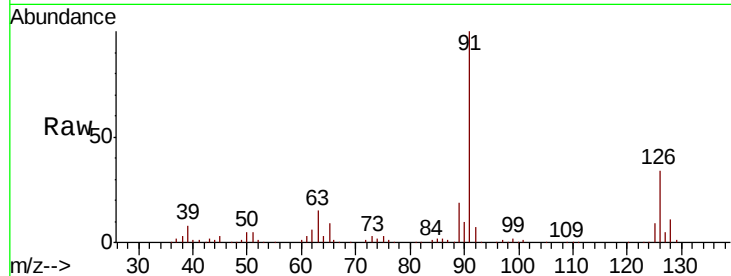




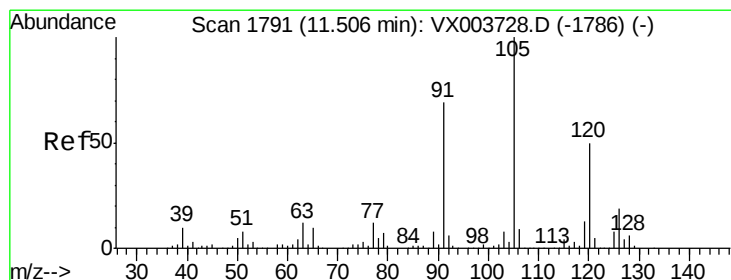
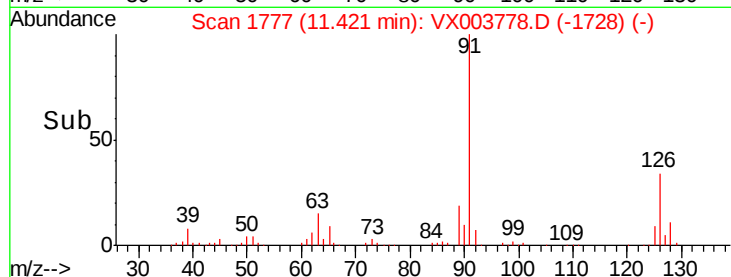
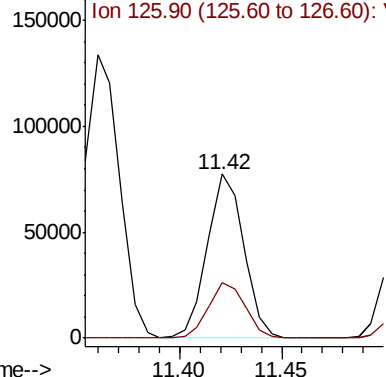
#79
 2-Chlorotoluene
 Concen: 60.36 ug/l
 RT: 11.42 min Scan# 1777
 Delta R.T. 0.00 min
 Lab File: VX003778.D
 Acq: 01 Aug 2018 04:44

Instrument :
 MSVOA_X
 ClientSampled :
 SB-1(3-5)MSD

Tot Ion: 91 Resp: 95846
 Ion Ratio Lower Upper
 91 100
 126 34.6 17.6 52.8

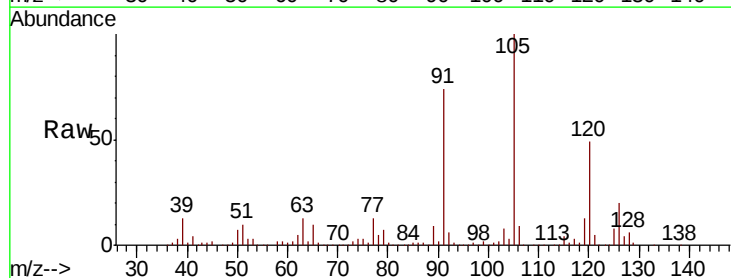


Abundance Ion 91.00 (90.70 to 91.70): VX0
 Ion 125.90 (125.60 to 126.60): V

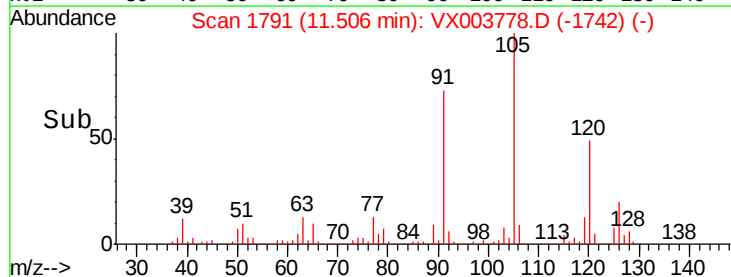
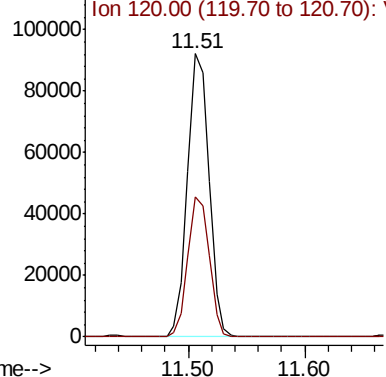


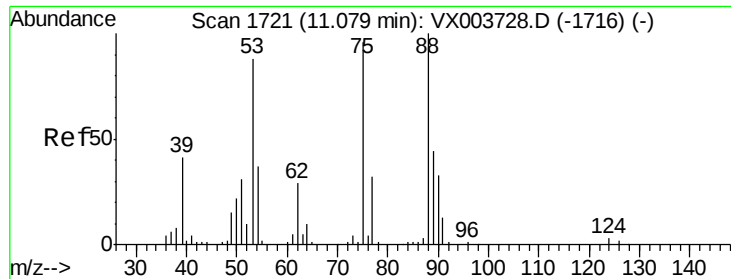
#80
 1,3,5-Trimethylbenzene
 Concen: 59.75 ug/l
 RT: 11.51 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX003778.D
 Acq: 01 Aug 2018 04:44

Tgt Ion:105 Resp: 117744
 Ion Ratio Lower Upper
 105 100
 120 49.3 15.8 47.4#



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





#81

trans-1,4-Dichloro-2-butene

Concen: 44.28 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX003778.D

Acq: 01 Aug 2018 04:44

Instrument :

MSVOA_X

ClientSampled :

SB-1(3-5)MSD

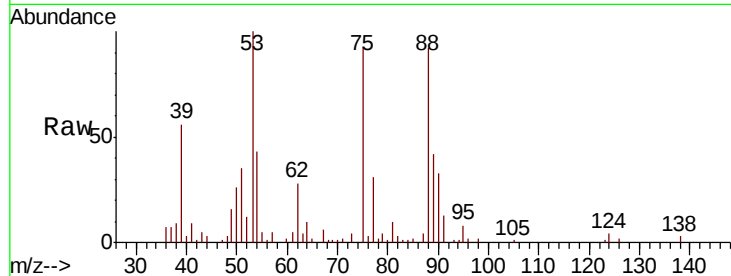
Tot Ion: 75 Resp: 7599

Ion Ratio Lower Upper

75 100

53 110.8 75.8 113.8

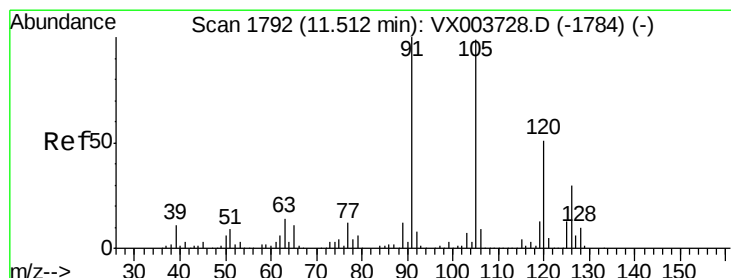
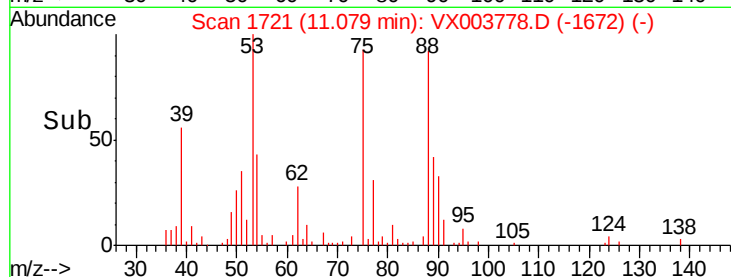
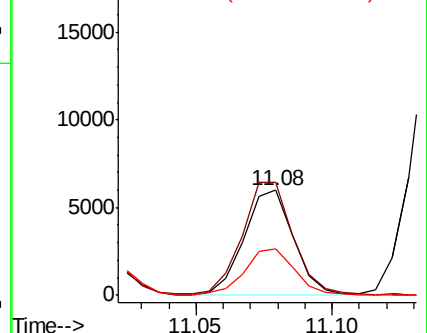
89 44.2 39.1 58.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 57.65 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003778.D

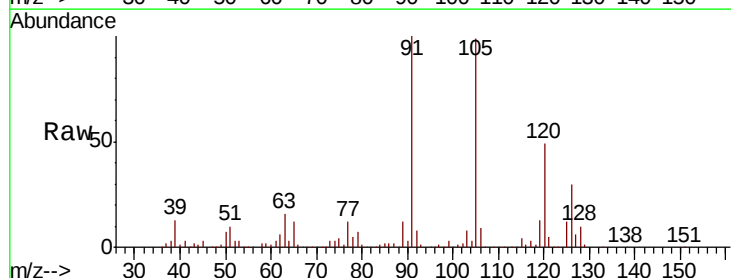
Acq: 01 Aug 2018 04:44

Tgt Ion: 91 Resp: 111031

Ion Ratio Lower Upper

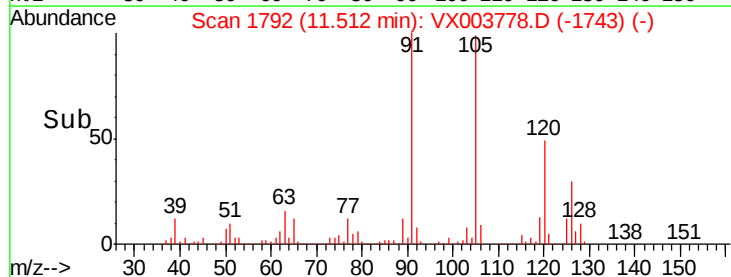
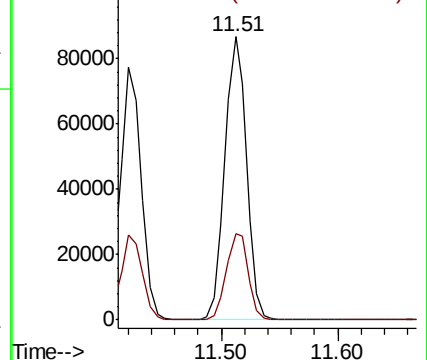
91 100

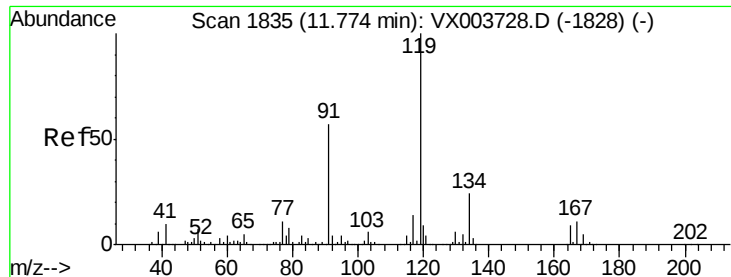
126 30.7 15.6 46.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

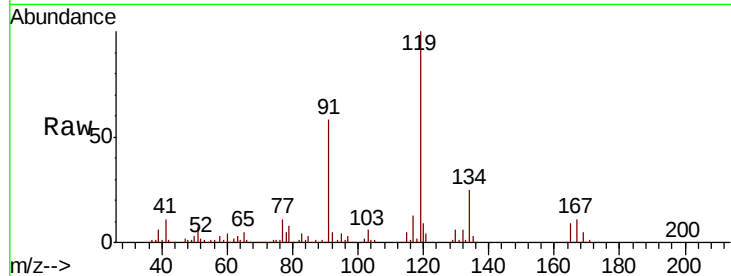




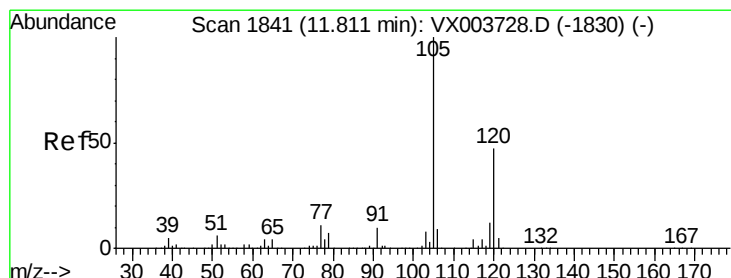
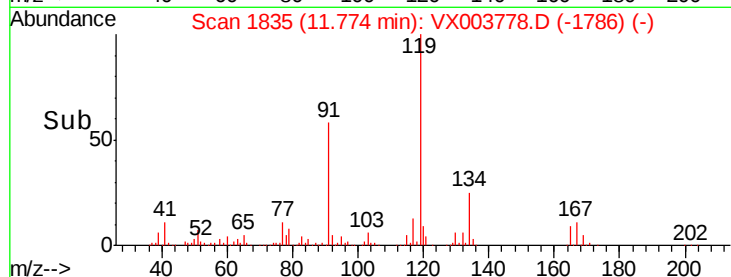
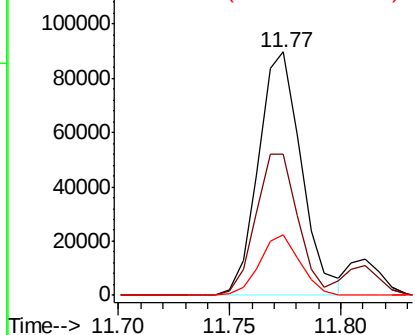
#83
tert-Butylbenzene
Concen: 61.81 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX003778.D
Acq: 01 Aug 2018 04:44

Instrument :
MSVOA_X
ClientSampleId :
SB-1(3-5)MSD

Tot Ion:119 Resp: 120466
Ion Ratio Lower Upper
119 100
91 57.2 27.2 81.6
134 23.4 11.6 34.8

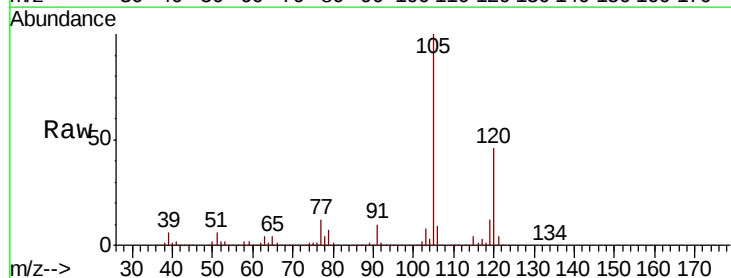


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VX
Ion 134.00 (133.70 to 134.70): V

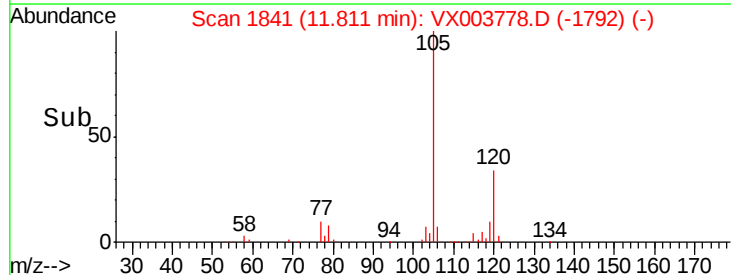
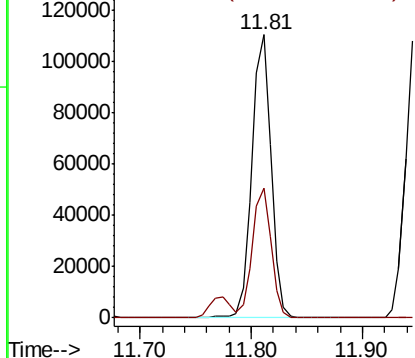


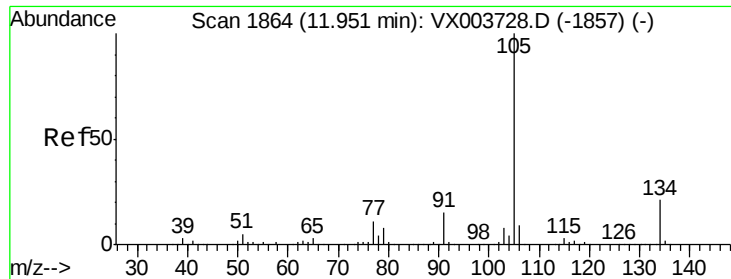
#84
1,2,4-Trimethylbenzene
Concen: 65.41 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VX003778.D
Acq: 01 Aug 2018 04:44

Tgt Ion:105 Resp: 132686
Ion Ratio Lower Upper
105 100
120 45.3 23.1 69.2



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

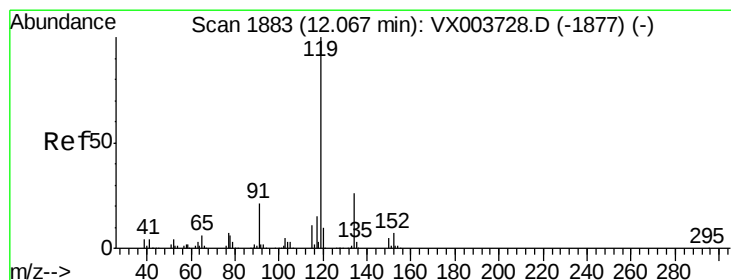
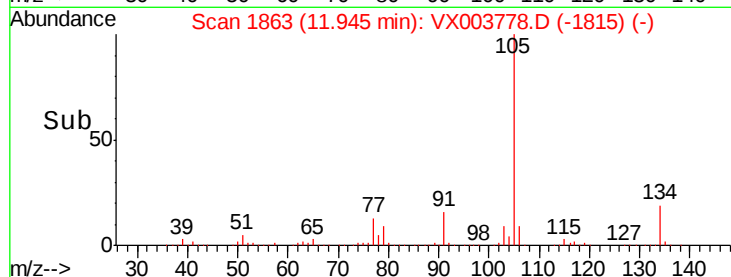
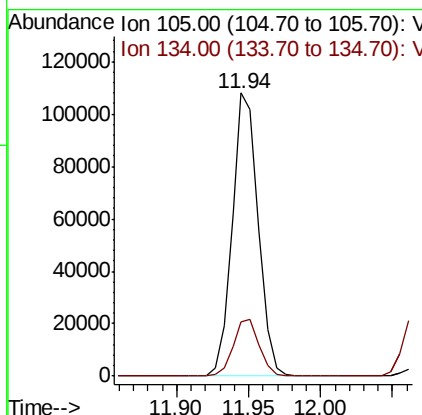
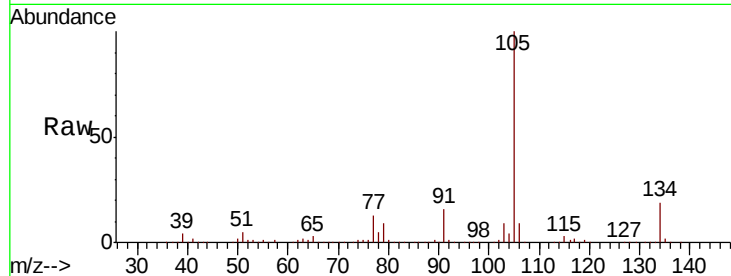




#85
 sec-Butylbenzene
 Concen: 54.72 ug/l
 RT: 11.94 min Scan# 1863
 Delta R.T. -0.01 min
 Lab File: VX003778.D
 Acq: 01 Aug 2018 04:44

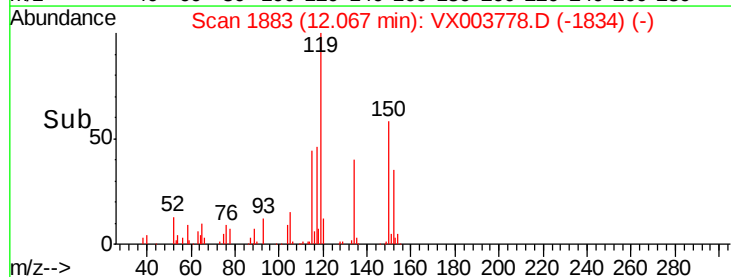
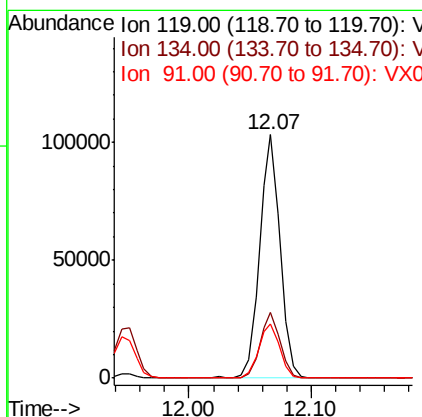
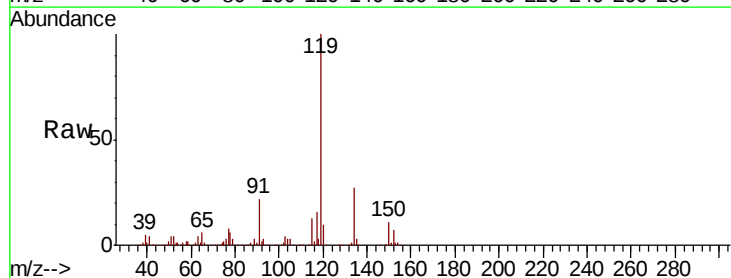
Instrument :
 MSVOA_X
 ClientSampleId :
 SB-1(3-5)MSD

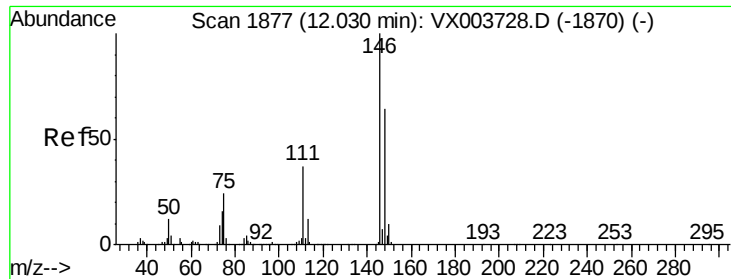
Tot Ion:105 Resp: 136448
 Ion Ratio Lower Upper
 105 100
 134 19.9 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 53.29 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VX003778.D
 Acq: 01 Aug 2018 04:44

Tgt Ion:119 Resp: 120781
 Ion Ratio Lower Upper
 119 100
 134 26.4 10.1 30.1
 91 23.2 23.6 70.8#

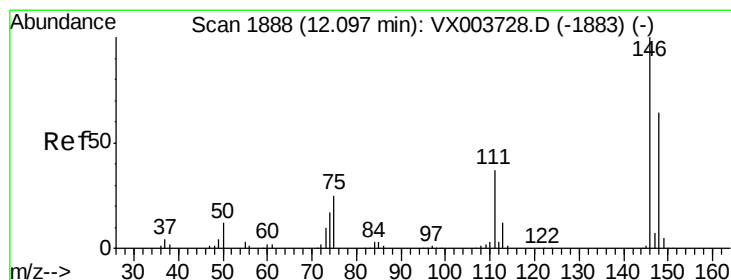
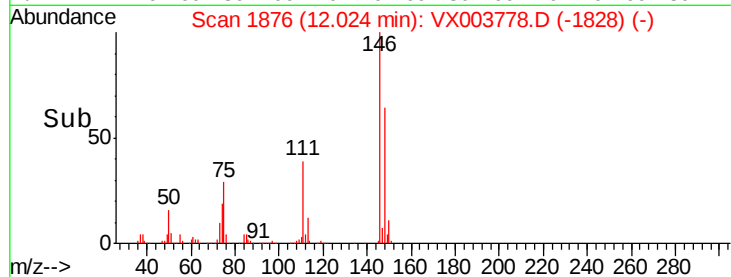
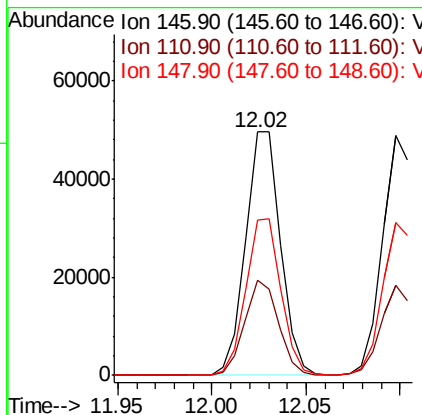
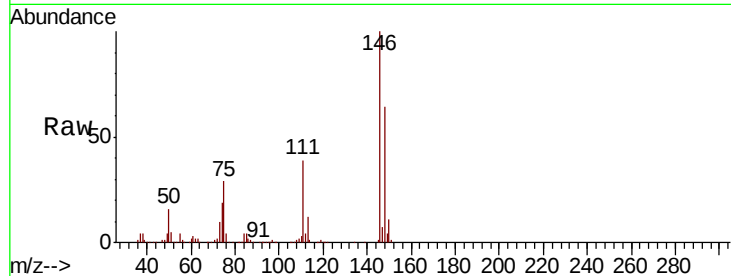




#87
 1,3-Dichlorobenzene
 Concen: 52.58 ug/l
 RT: 12.02 min Scan# 1876
 Delta R.T. -0.01 min
 Lab File: VX003778.D
 Acq: 01 Aug 2018 04:44

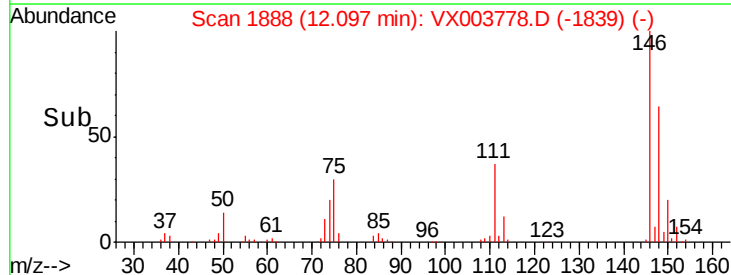
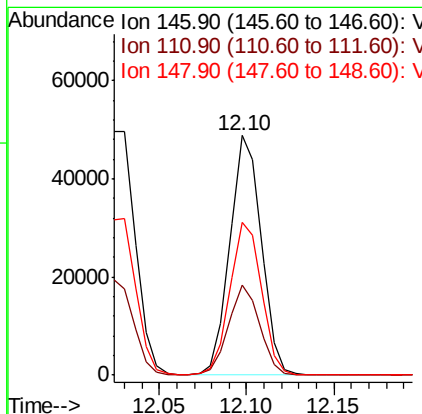
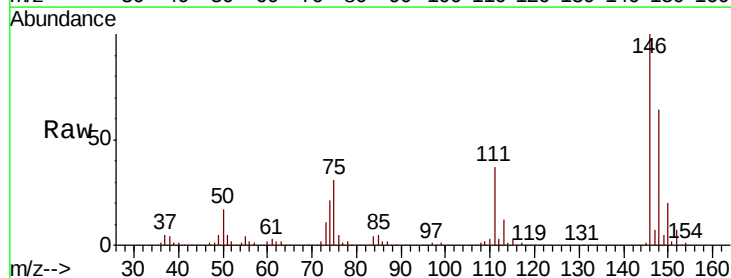
Instrument :
 MSVOA_X
 ClientSampleId :
 SB-1(3-5)MSD

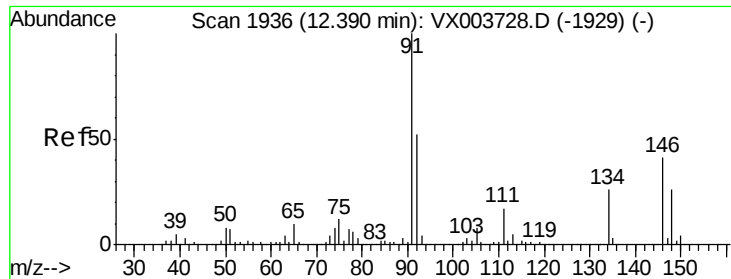
Tot Ion:146 Resp: 64020
 Ion Ratio Lower Upper
 146 100
 111 38.0 18.8 56.3
 148 64.4 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 49.19 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. 0.00 min
 Lab File: VX003778.D
 Acq: 01 Aug 2018 04:44

Tgt Ion:146 Resp: 61104
 Ion Ratio Lower Upper
 146 100
 111 37.3 18.3 54.9
 148 64.2 32.0 96.2





#89

n-Butylbenzene

Concen: 40.84 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. 0.00 min

Lab File: VX003778.D

Acq: 01 Aug 2018 04:44

Instrument :

MSVOA_X

ClientSampleId :

SB-1(3-5)MSD

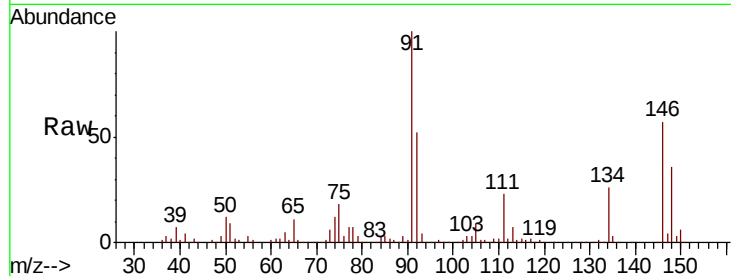
Tot Ion: 91 Resp: 88099

Ion Ratio Lower Upper

91 100

92 52.2 26.2 78.5

134 26.2 13.6 40.7

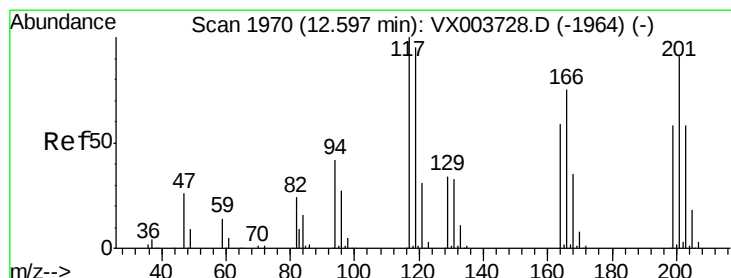
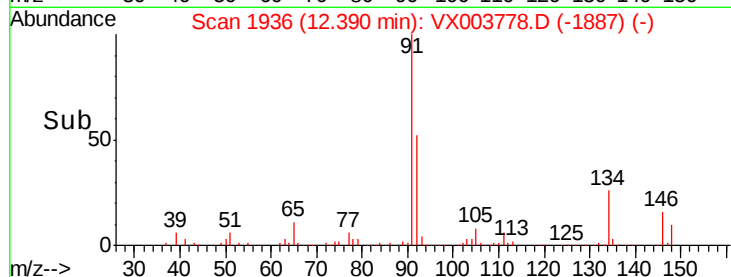


Abundance Ion 91.00 (90.70 to 91.70): VX003728.D (-1929) (-)

Ion 92.00 (91.70 to 92.70): VX003728.D (-1929) (-)

Ion 134.00 (133.70 to 134.70): VX003728.D (-1929) (-)

Time-->



#90

Hexachloroethane

Concen: 52.19 ug/l

RT: 12.60 min Scan# 1970

Delta R.T. 0.00 min

Lab File: VX003778.D

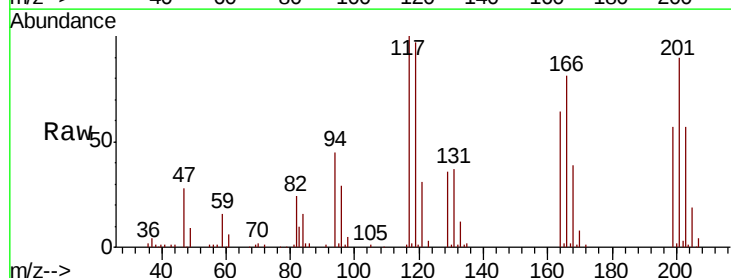
Acq: 01 Aug 2018 04:44

Tgt Ion: 117 Resp: 17564

Ion Ratio Lower Upper

117 100

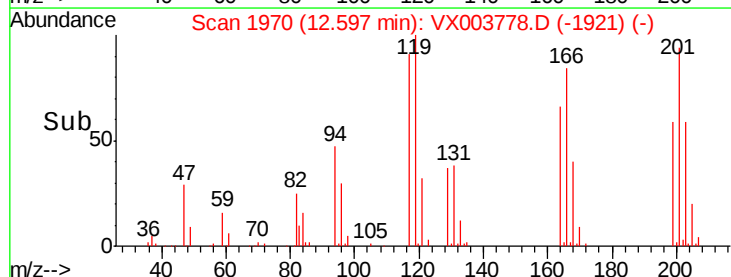
201 94.5 49.3 147.8

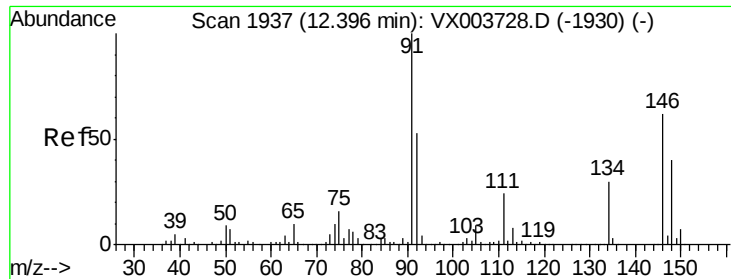


Abundance Ion 116.80 (116.50 to 117.50): VX003728.D (-1964) (-)

Ion 200.70 (200.40 to 201.40): VX003728.D (-1964) (-)

Time-->





#91

1,2-Dichlorobenzene

Concen: 52.26 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX003778.D

Acq: 01 Aug 2018 04:44

Instrument :

MSVOA_X

ClientSampleId :

SB-1(3-5)MSD

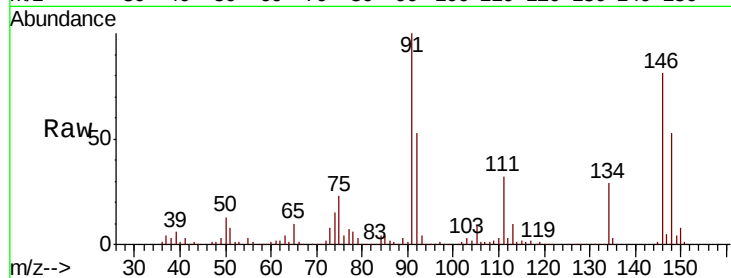
Tot Ion:146 Resp: 59260

Ion Ratio Lower Upper

146 100

111 39.4 19.4 58.4

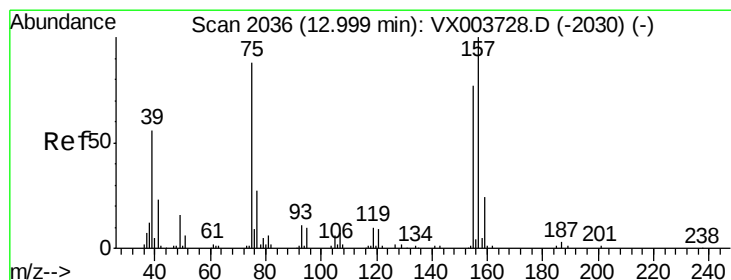
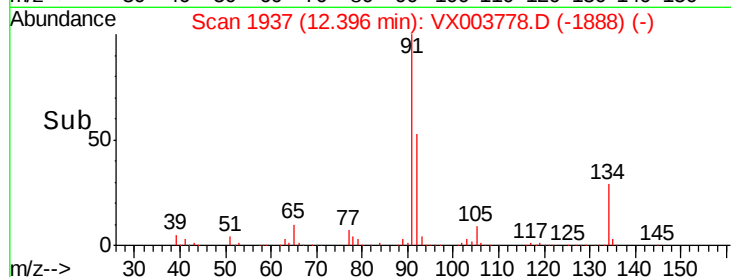
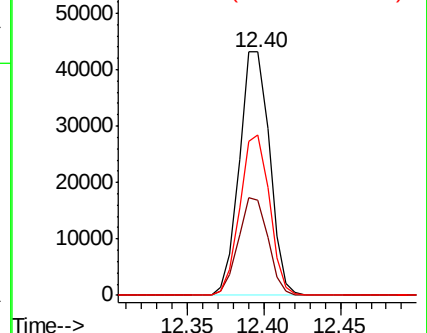
148 64.3 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 60.21 ug/l

RT: 13.00 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VX003778.D

Acq: 01 Aug 2018 04:44

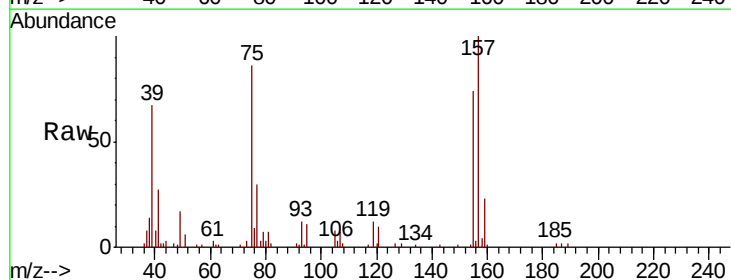
Tgt Ion: 75 Resp: 7171

Ion Ratio Lower Upper

75 100

155 92.4 48.9 146.7

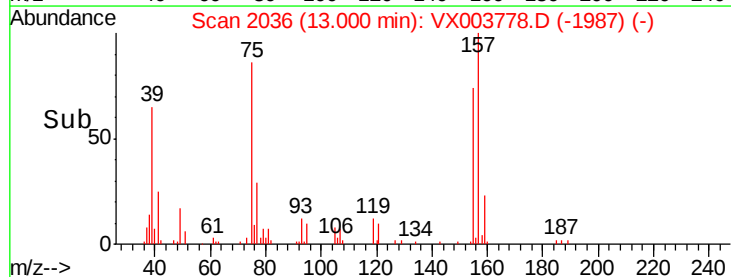
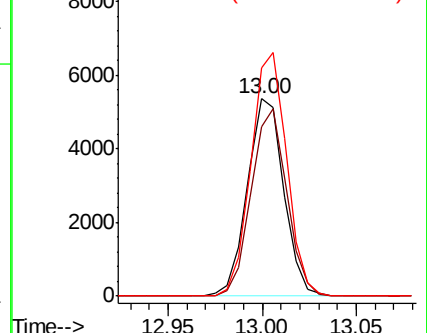
157 120.5 63.7 191.1

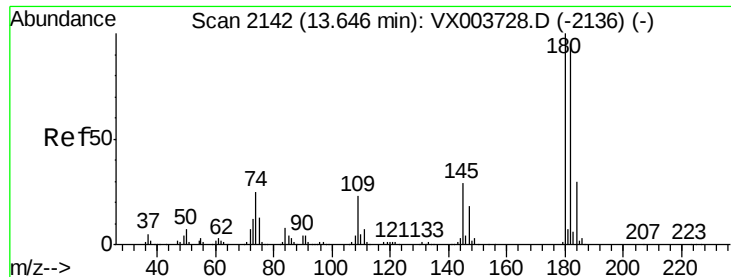


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

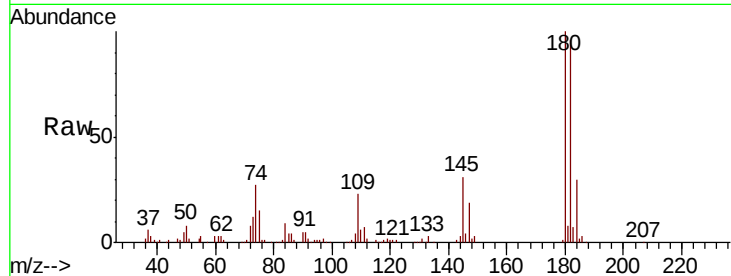




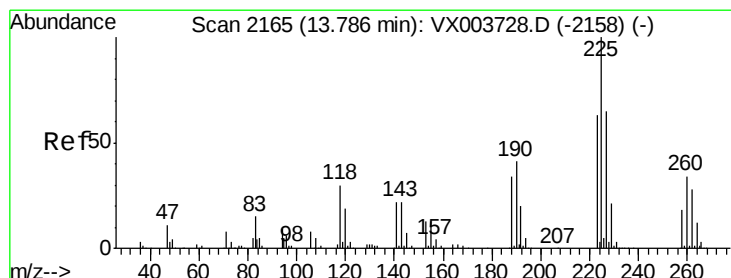
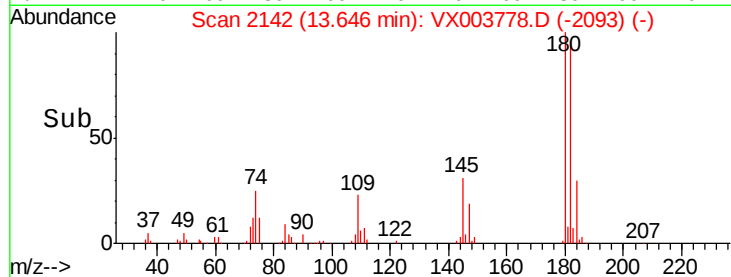
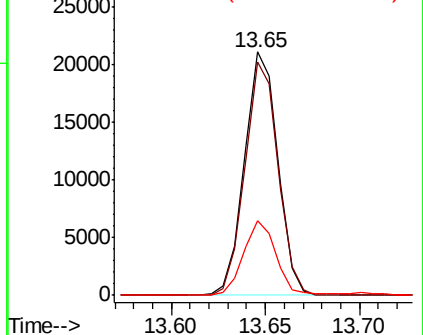
#93
 1,2,4-Trichlorobenzene
 Concen: 28.72 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VX003778.D
 Acq: 01 Aug 2018 04:44

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-1(3-5)MSD

Tot Ion:180 Resp: 25832
 Ion Ratio Lower Upper
 180 100
 182 95.3 47.6 142.9
 145 30.4 14.1 42.2

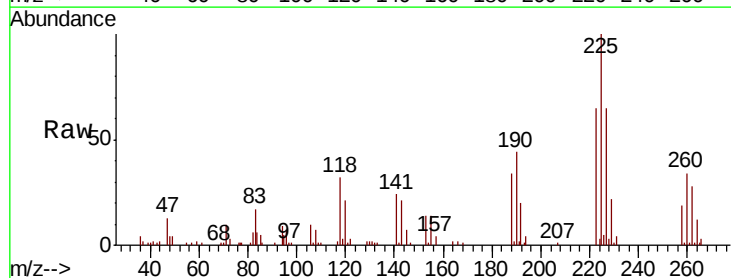


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

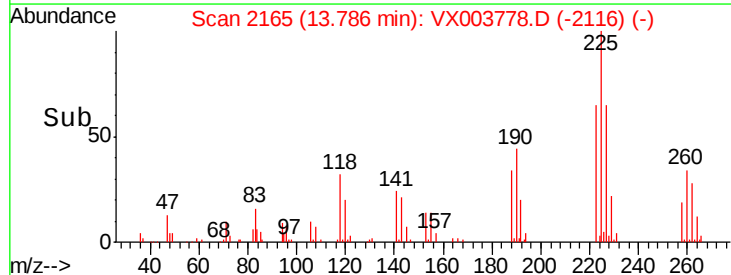
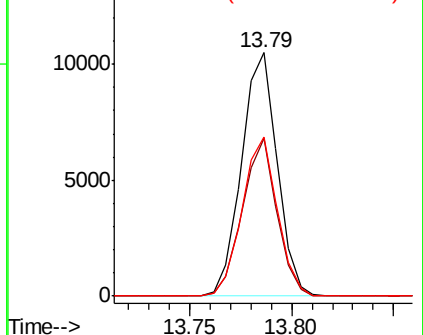


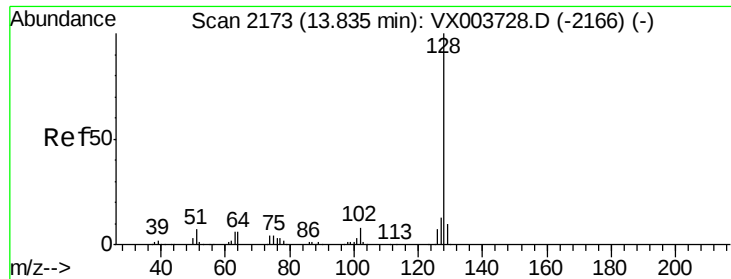
#94
 Hexachlorobutadiene
 Concen: 22.13 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003778.D
 Acq: 01 Aug 2018 04:44

Tgt Ion:225 Resp: 12728
 Ion Ratio Lower Upper
 225 100
 223 62.4 31.1 93.5
 227 64.5 31.9 95.9



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

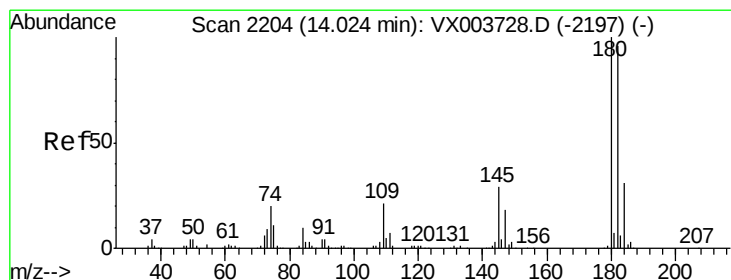
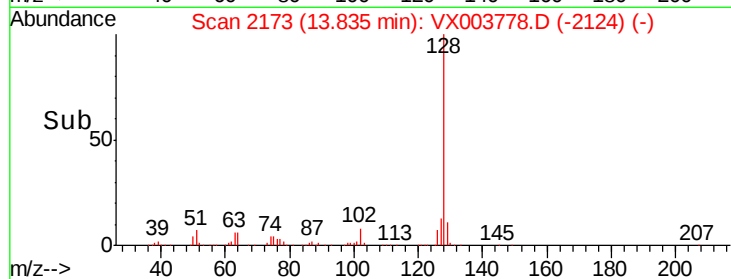
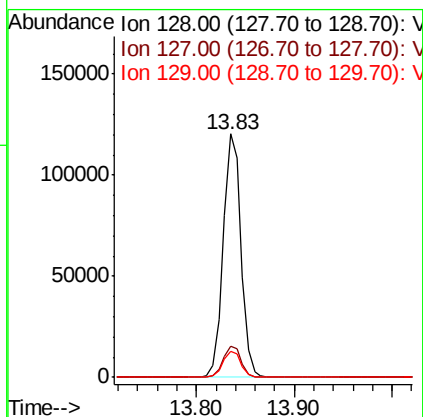
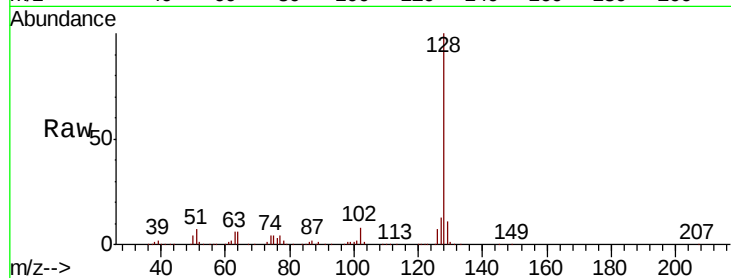




#95
Naphthalene
Concen: 78.50 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX003778.D
Acq: 01 Aug 2018 04:44

Instrument :
MSVOA_X
ClientSampleId :
SB-1(3-5)MSD

Tot Ion:128 Resp: 150893
Ion Ratio Lower Upper
128 100
127 13.0 10.2 15.2
129 10.8 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 28.95 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX003778.D
Acq: 01 Aug 2018 04:44

Tgt Ion:180 Resp: 23636
Ion Ratio Lower Upper
180 100
182 95.4 47.9 143.8
145 33.6 14.7 44.1

