

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX012819\
 Data File : VX007267.D
 Acq On : 28 Jan 2019 18:12
 Operator : JC/SP
 Sample : VX0128WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0128WBSD01

Quant Time: Jan 29 00:19:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 14:06:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	450393	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	656114	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	612713	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	317553	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	243967	51.83	ug/l	0.00
Spiked Amount			Recovery	=	103.66%	
35) Dibromofluoromethane	5.51	113	219001	52.12	ug/l	0.00
Spiked Amount			Recovery	=	104.24%	
50) Toluene-d8	8.71	98	806729	52.45	ug/l	0.00
Spiked Amount			Recovery	=	104.90%	
62) 4-Bromofluorobenzene	11.13	95	286667	53.47	ug/l	0.00
Spiked Amount			Recovery	=	106.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	61395	16.599	ug/l	97
3) Chloromethane	1.33	50	74661	17.340	ug/l	98
4) Vinyl Chloride	1.41	62	81609	17.620	ug/l	99
5) Bromomethane	1.64	94	82899	16.753	ug/l	95
6) Chloroethane	1.72	64	56229	17.387	ug/l	96
7) Trichlorofluoromethane	1.93	101	134339	17.951	ug/l	99
8) Diethyl Ether	2.19	74	54387	18.267	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	82762	18.472	ug/l	99
10) Methyl Iodide	2.51	142	108607	17.970	ug/l	99
11) Tert butyl alcohol	3.07	59	102884	92.659	ug/l	99
12) 1,1-Dichloroethene	2.38	96	72748	17.574	ug/l	98
13) Acrolein	2.30	56	48509	103.132	ug/l	100
14) Allyl chloride	2.73	41	130098	18.338	ug/l	98
15) Acrylonitrile	3.15	53	248438	97.467	ug/l	100
16) Acetone	2.45	43	213675	91.825	ug/l	97
17) Carbon Disulfide	2.57	76	151103	14.178	ug/l	98
18) Methyl Acetate	2.78	43	142322	21.120	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	276896	19.272	ug/l	97
20) Methylene Chloride	2.86	84	88349	19.618	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	79912	17.323	ug/l	97
22) Diisopropyl ether	3.87	45	254741	19.100	ug/l	94
23) Vinyl Acetate	3.82	43	1026722	91.285	ug/l	98
24) 1,1-Dichloroethane	3.70	63	141520	18.977	ug/l	97
25) 2-Butanone	4.70	43	315435	94.737	ug/l	96
26) 2,2-Dichloropropane	4.59	77	95027	16.571	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	93419	18.360	ug/l	99
28) Bromochloromethane	5.02	49	68773	21.048	ug/l	93
29) Tetrahydrofuran	5.15	42	204010	94.283	ug/l	97
30) Chloroform	5.21	83	150177	19.233	ug/l	94
31) Cyclohexane	5.57	56	111022	16.726	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	123053	18.593	ug/l	98
36) 1,1-Dichloropropene	5.80	75	99881	17.510	ug/l	99
37) Ethyl Acetate	4.85	43	117228	19.169	ug/l	98
38) Carbon Tetrachloride	5.79	117	103029	17.952	ug/l	98

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 Misc : 5.0mL/MSVOA X/WATER
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 VX0128WBSD01

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 14:06:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	122426	16.835	ug/l	98
40) Benzene	6.15	78	324956	18.669	ug/l	98
41) Methacrylonitrile	5.06	41	65736	18.659	ug/l	98
42) 1,2-Dichloroethane	6.20	62	114000	18.953	ug/l	99
43) Isopropyl Acetate	6.46	43	184243	19.099	ug/l	97
44) Trichloroethene	7.21	130	94624	18.142	ug/l	90
45) 1,2-Dichloropropane	7.51	63	86040	19.662	ug/l	99
46) Dibromomethane	7.66	93	60620	19.711	ug/l	99
47) Bromodichloromethane	7.90	83	104392	19.942	ug/l	96
48) Methyl methacrylate	7.77	41	96943	19.569	ug/l	97
49) 1,4-Dioxane	7.75	88	43175	376.285	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	639310	103.124	ug/l	99
52) Toluene	8.78	92	207615	18.558	ug/l	95
53) t-1,3-Dichloropropene	9.04	75	106299	18.313	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	121224	18.911	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	93821	20.952	ug/l	99
56) Ethyl methacrylate	9.18	69	129578	19.822	ug/l	96
57) 1,3-Dichloropropane	9.37	76	145233	19.797	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	347147	103.284	ug/l	98
59) 2-Hexanone	9.49	43	473759	100.281	ug/l	99
60) Dibromochloromethane	9.58	129	88159	20.275	ug/l	98
61) 1,2-Dibromoethane	9.67	107	96418	19.559	ug/l	98
64) Tetrachloroethene	9.34	164	102764	19.372	ug/l	96
65) Chlorobenzene	10.14	112	252773	18.915	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	88331	19.649	ug/l	98
67) Ethyl Benzene	10.25	91	401850	18.215	ug/l	99
68) m/p-Xylenes	10.36	106	313427	36.059	ug/l	100
69) o-Xylene	10.69	106	156499	18.462	ug/l	99
70) Styrene	10.71	104	251641	18.743	ug/l	99
71) Bromoform	10.86	173	64368	19.218	ug/l #	99
73) Isopropylbenzene	11.02	105	416610	18.605	ug/l	100
74) N-amyl acetate	10.90	43	163091	18.090	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	136426	19.191	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	145217	22.566	ug/l	91
77) Bromobenzene	11.26	156	115789	18.767	ug/l	98
78) n-propylbenzene	11.36	91	456029	18.552	ug/l	99
79) 2-Chlorotoluene	11.42	91	279346	18.878	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	341965	18.277	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	30239	16.891	ug/l	88
82) 4-Chlorotoluene	11.51	91	315025	18.387	ug/l	99
83) tert-Butylbenzene	11.77	119	339693	18.197	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	354349	18.834	ug/l	99
85) sec-Butylbenzene	11.94	105	411114	18.440	ug/l	100
86) p-Isopropyltoluene	12.07	119	368308	18.469	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	202534	18.161	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	201353	19.146	ug/l	98
89) n-Butylbenzene	12.39	91	303998	17.883	ug/l	99
90) Hexachloroethane	12.60	117	53203	18.648	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	201924	18.348	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	26339	18.734	ug/l	99

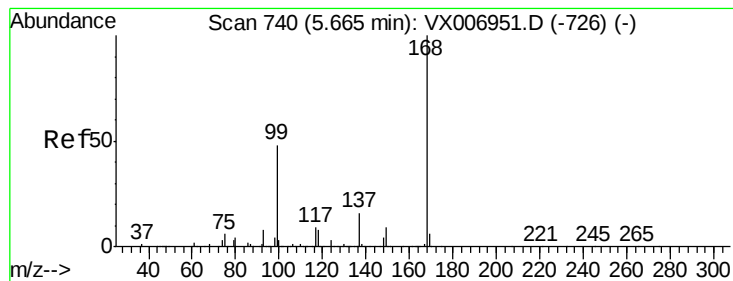
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX012819\
Data File : VX007267.D
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Instrument :
MSVOA_X
ClientSampleId :
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Quant Time: Jan 29 00:19:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
Quant Title : SW846 8260
QLast Update : Tue Jan 08 14:06:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	136021	18.015	ug/l	98
94) Hexachlorobutadiene	13.78	225	66090	19.725	ug/l	99
95) Naphthalene	13.83	128	417860	18.264	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	139041	18.538	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX007267.D

Acq: 28 Jan 2019 18:12

Instrument :

MSVOA_X

ClientSampleId :

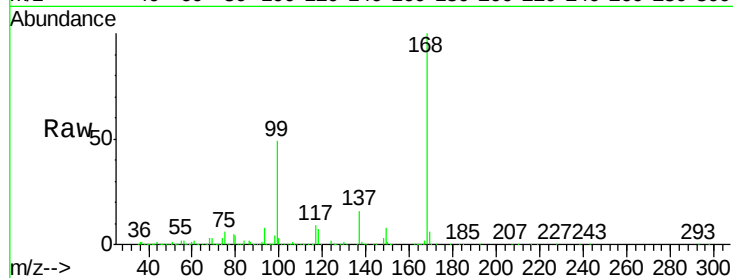
VX0128WBSD01

Tot Ion:168 Resp: 450393

Ion Ratio Lower Upper

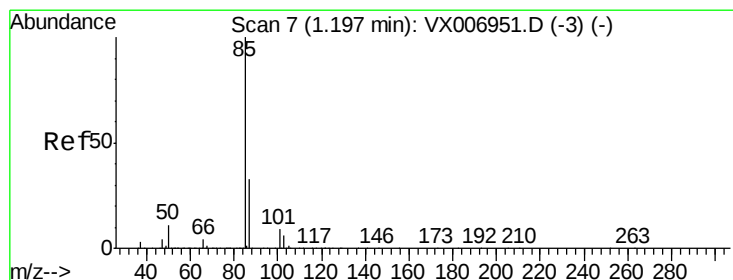
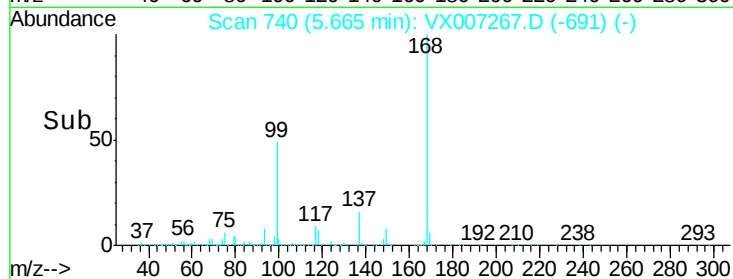
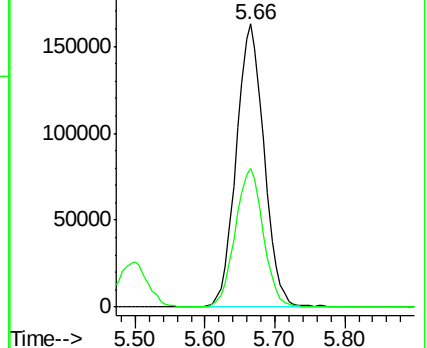
168 100

99 48.9 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 16.599 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX007267.D

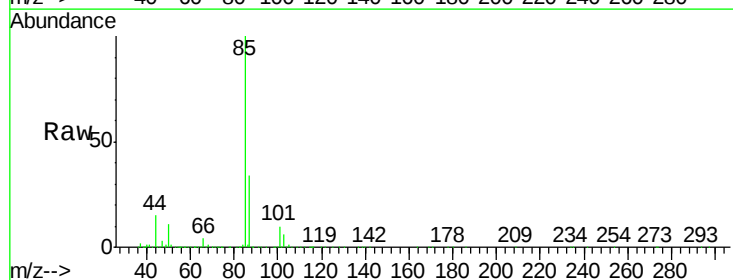
Acq: 28 Jan 2019 18:12

Tgt Ion: 85 Resp: 61395

Ion Ratio Lower Upper

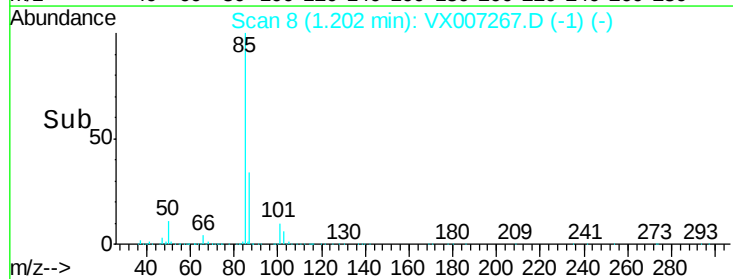
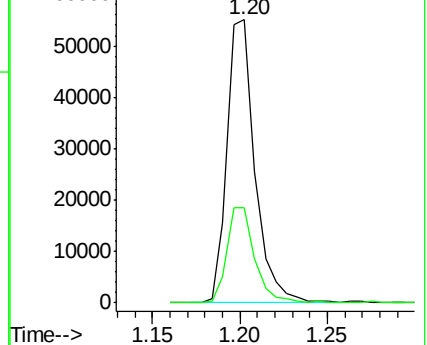
85 100

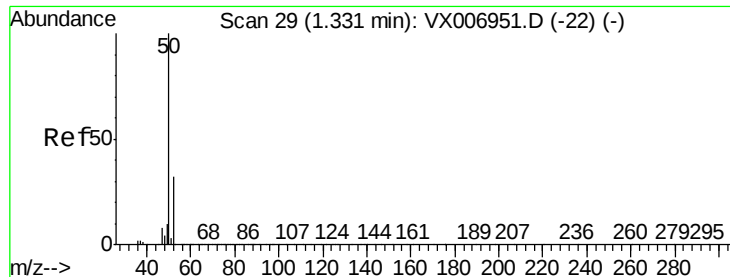
87 33.4 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 17.340 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX007267.D

Acq: 28 Jan 2019 18:12

Instrument :

MSVOA_X

ClientSampleId :

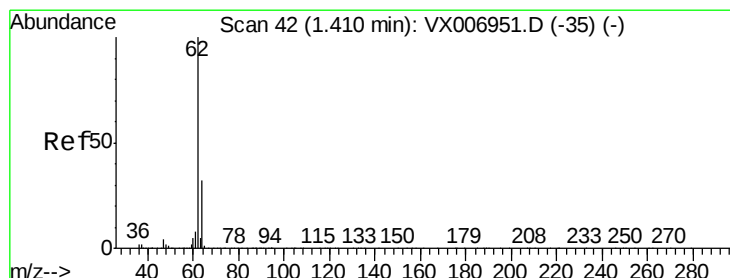
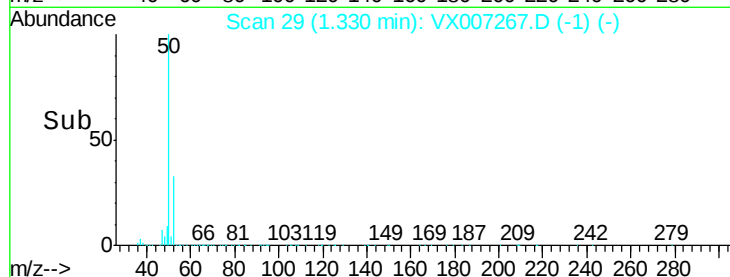
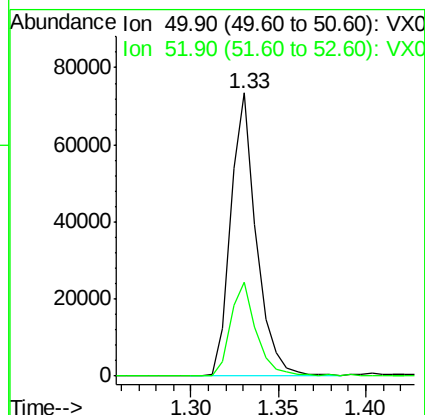
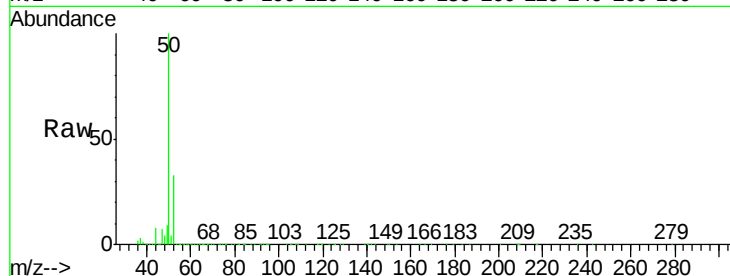
VX0128WBSD01

Tot Ion: 50 Resp: 74661

Ion Ratio Lower Upper

50 100

52 32.8 25.4 38.2



#4

Vinyl Chloride

Concen: 17.620 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX007267.D

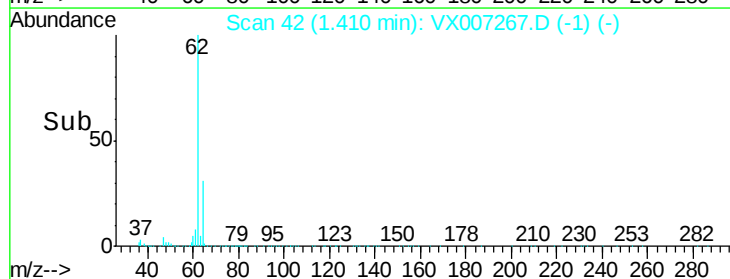
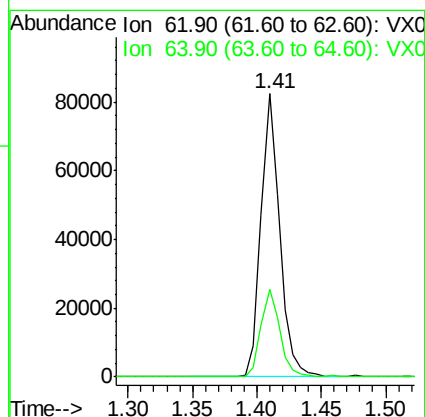
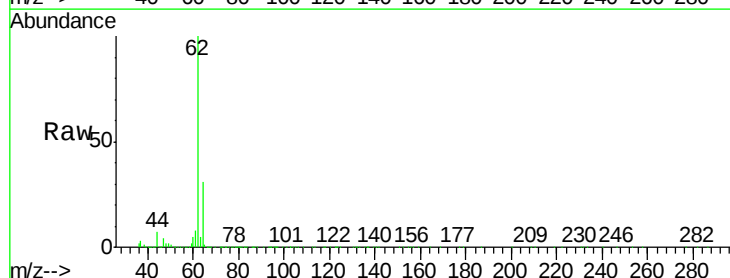
Acq: 28 Jan 2019 18:12

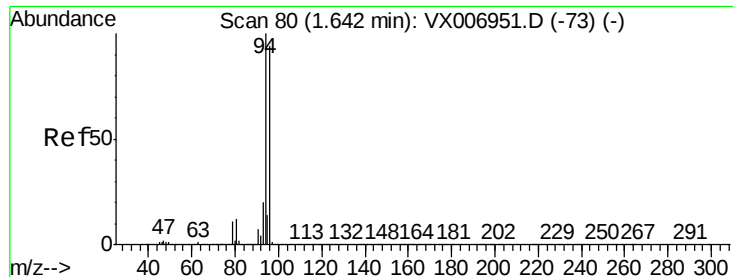
Tgt Ion: 62 Resp: 81609

Ion Ratio Lower Upper

62 100

64 31.0 25.1 37.7





#5

Bromomethane

Concen: 16.753 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.00 min

Lab File: VX007267.D

Acq: 28 Jan 2019 18:12

Instrument :

MSVOA_X

ClientSampleId :

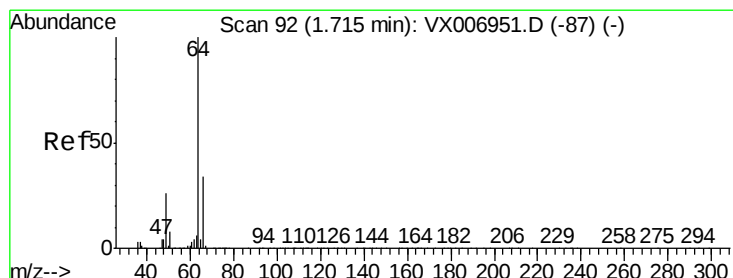
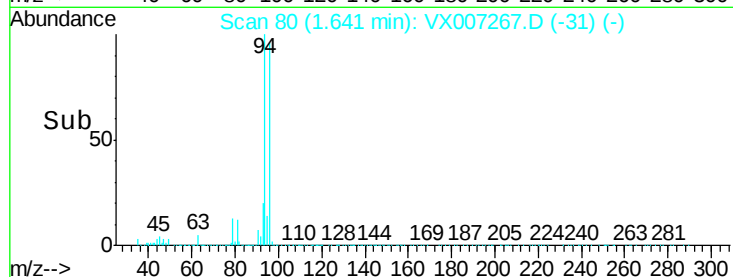
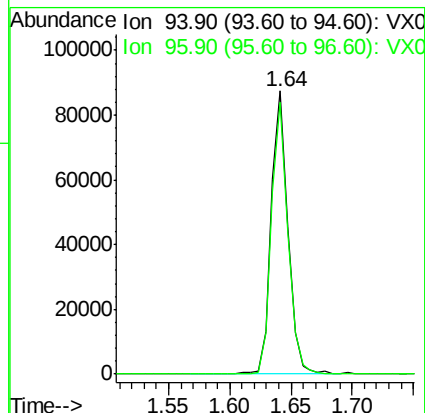
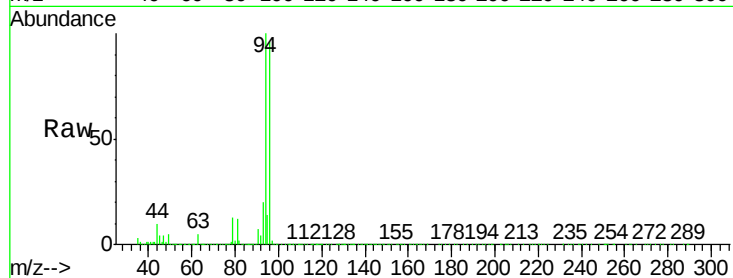
VX0128WBSD01

Tot Ion: 94 Resp: 82899

Ion Ratio Lower Upper

94 100

96 96.2 73.4 110.2



#6

Chloroethane

Concen: 17.387 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX007267.D

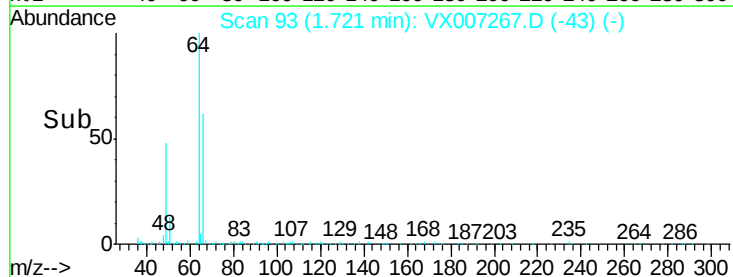
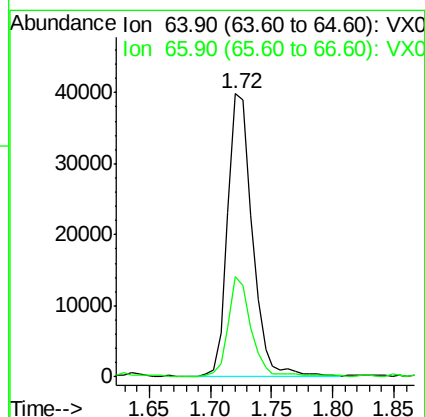
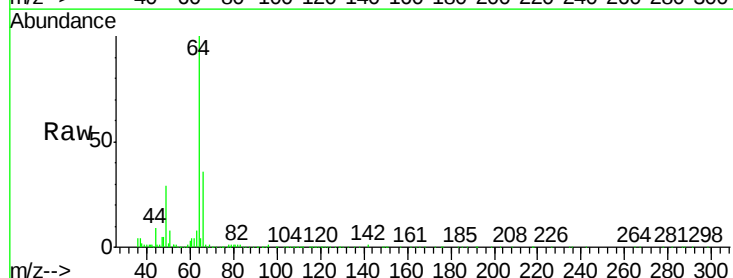
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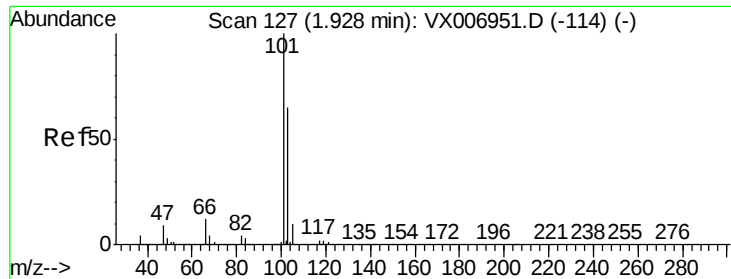
Tgt Ion: 64 Resp: 56229

Ion Ratio Lower Upper

64 100

66 35.3 26.4 39.6



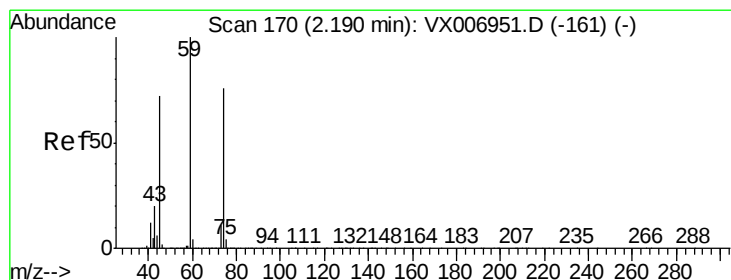
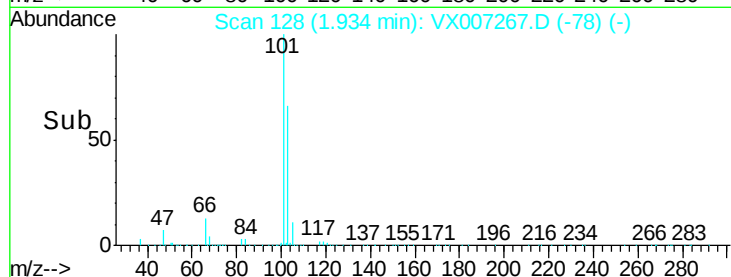
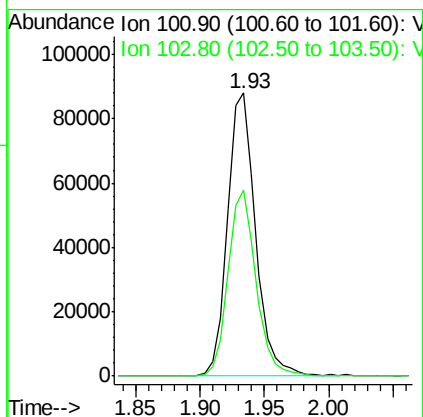
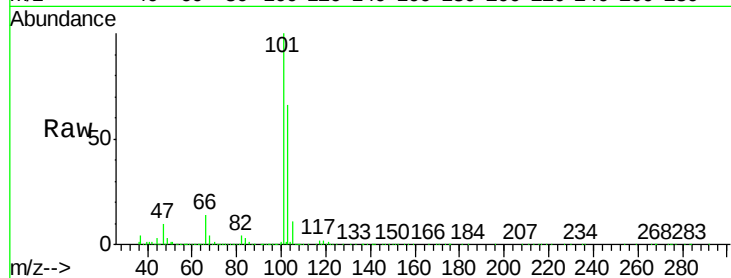


#7

Trichlorofluoromethane
 Concen: 17.951 ug/l
 RT: 1.93 min Scan# 128
 Delta R.T. 0.01 min
 Lab File: VX007267.D
 Acq: 28 Jan 2019 18:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0128WBSD01

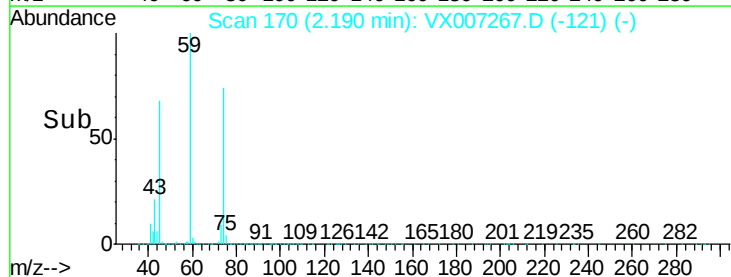
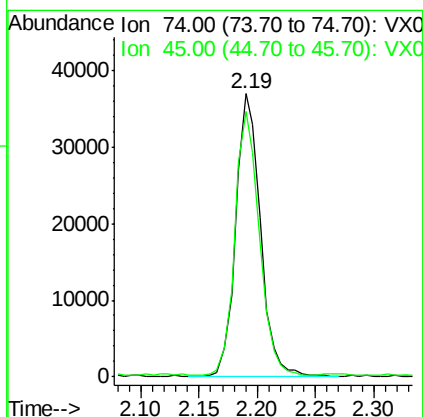
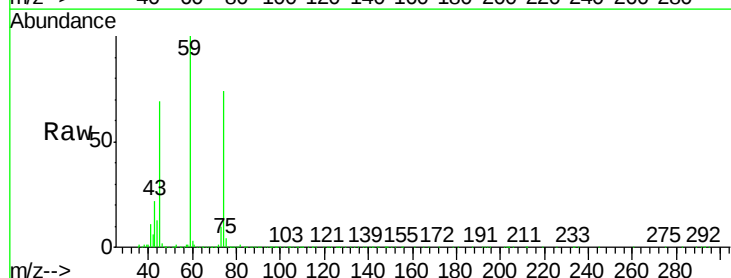
Tot Ion:101 Resp: 134339
 Ion Ratio Lower Upper
 101 100
 103 65.6 53.2 79.8

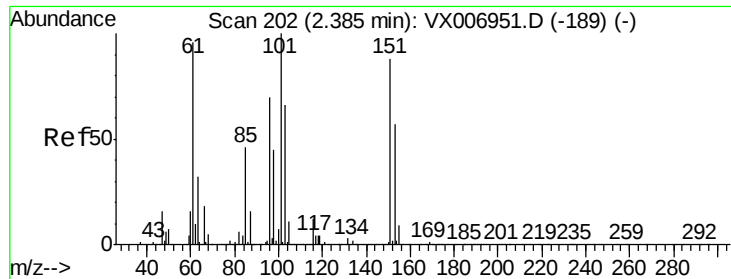


#8

Diethyl Ether
 Concen: 18.267 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX007267.D
 Acq: 28 Jan 2019 18:12

Tgt Ion: 74 Resp: 54387
 Ion Ratio Lower Upper
 74 100
 45 92.0 46.3 138.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.472 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX007267.D

Acq: 28 Jan 2019 18:12

Instrument :

MSVOA_X

ClientSampleId :

VX0128WBSD01

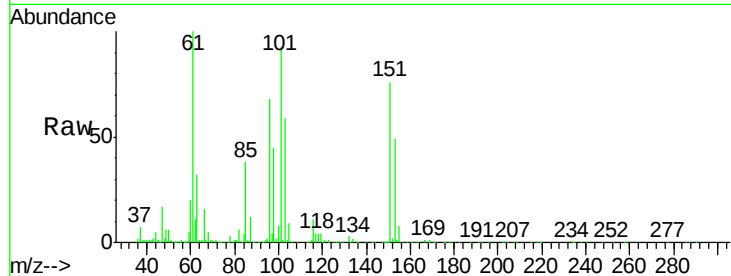
Tot Ion:101 Resp: 82762

Ion Ratio Lower Upper

101 100

85 42.9 35.1 52.7

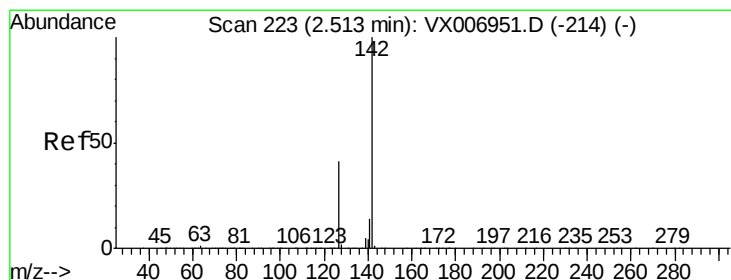
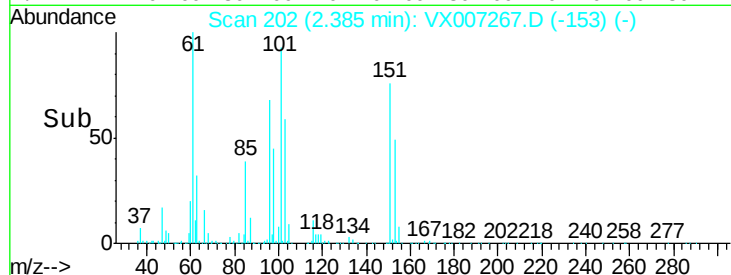
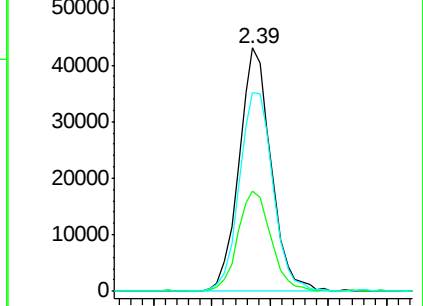
151 85.9 68.9 103.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.970 ug/l

RT: 2.51 min Scan# 223

Delta R.T. -0.00 min

Lab File: VX007267.D

Acq: 28 Jan 2019 18:12

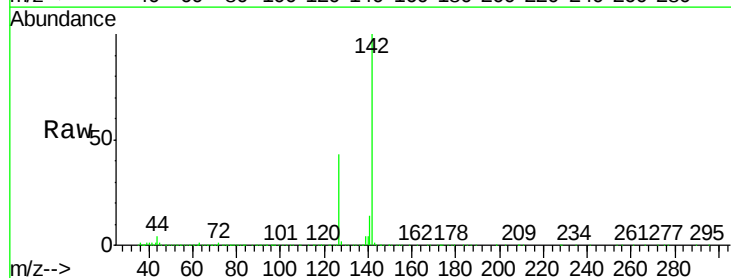
Tgt Ion:142 Resp: 108607

Ion Ratio Lower Upper

142 100

127 43.3 33.9 50.9

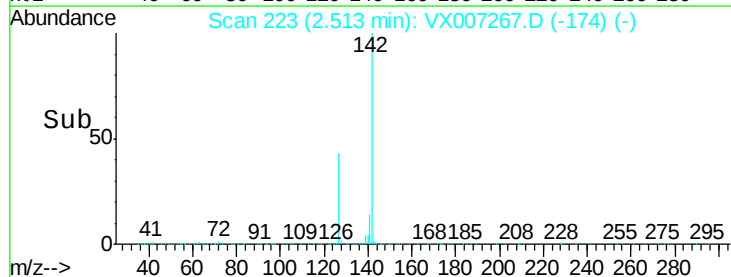
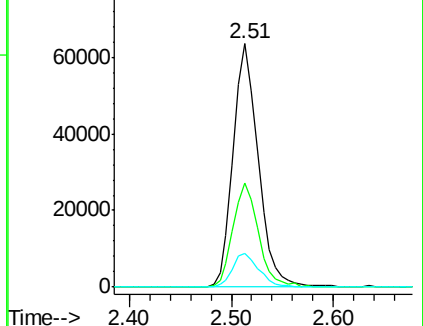
141 14.6 11.4 17.0

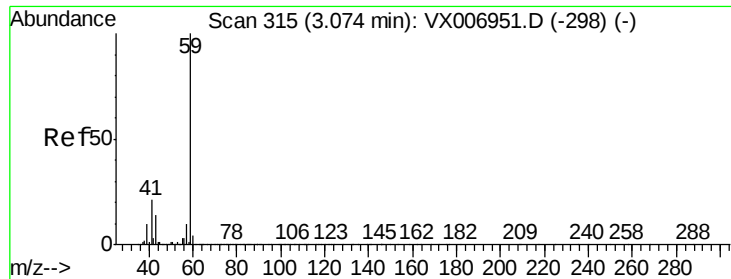


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

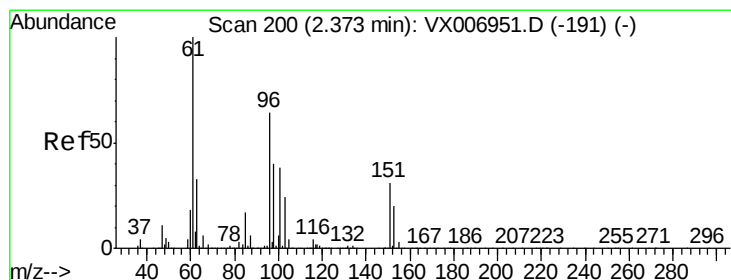
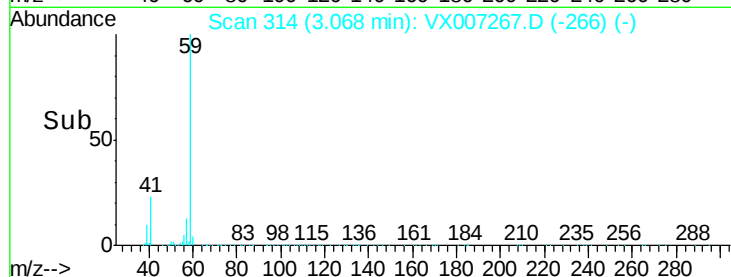
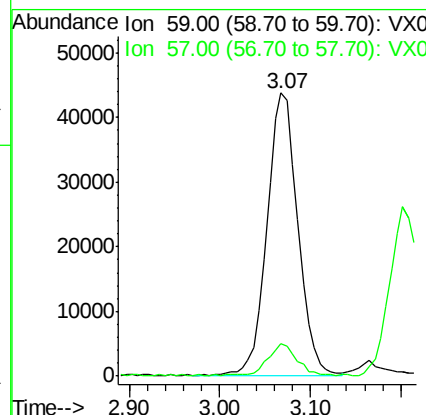
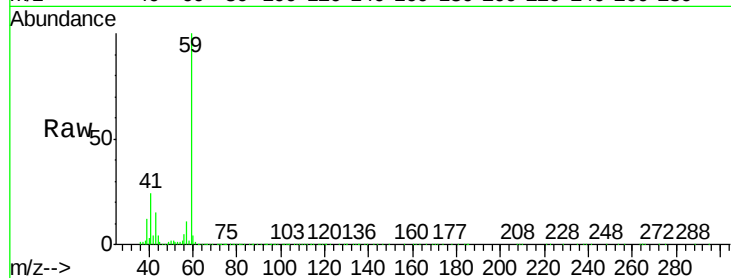




#11
Tert butyl alcohol
Concen: 92.659 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX007267.D
Acq: 28 Jan 2019 18:12

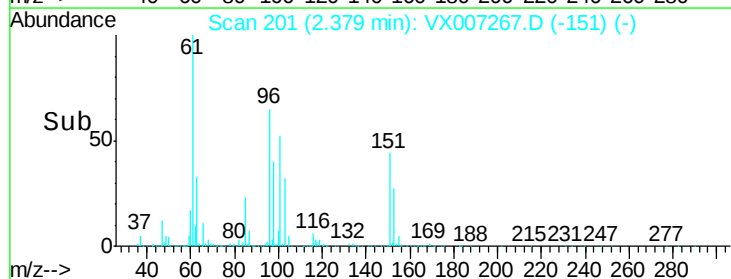
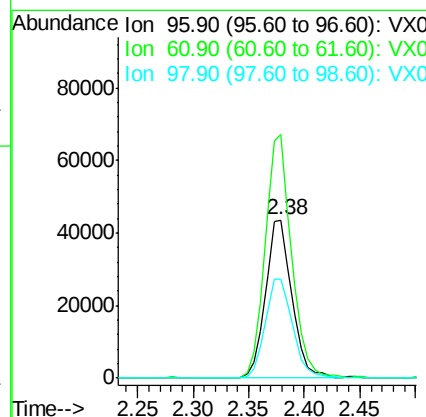
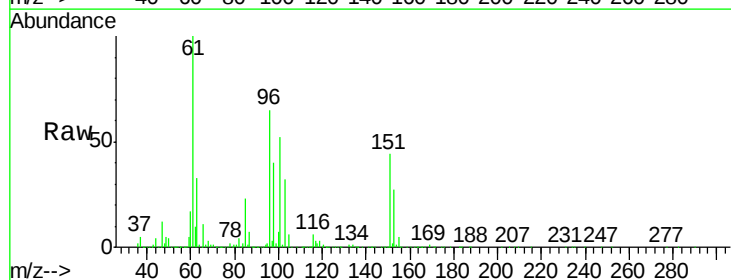
Instrument :
MSVOA_X
ClientSampleId :
VX0128WBSD01

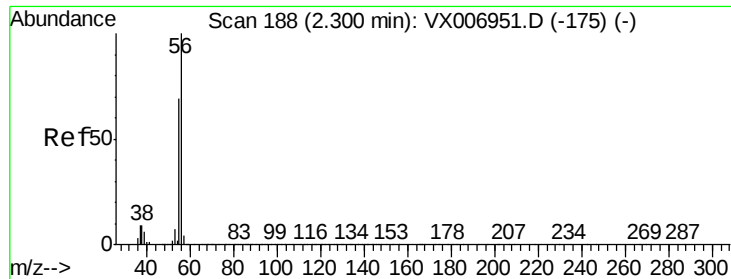
Tot Ion: 59 Resp: 102884
Ion Ratio Lower Upper
59 100
57 10.4 8.5 12.7



#12
1,1-Dichloroethene
Concen: 17.574 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.01 min
Lab File: VX007267.D
Acq: 28 Jan 2019 18:12

Tgt Ion: 96 Resp: 72748
Ion Ratio Lower Upper
96 100
61 153.2 121.4 182.2
98 62.0 51.9 77.9





#13

Acrolein

Concen: 103.132 ug/l

RT: 2.30 min Scan# 188

Delta R.T. -0.00 min

Lab File: VX007267.D

Acq: 28 Jan 2019 18:12

Instrument :

MSVOA_X

ClientSampleId :

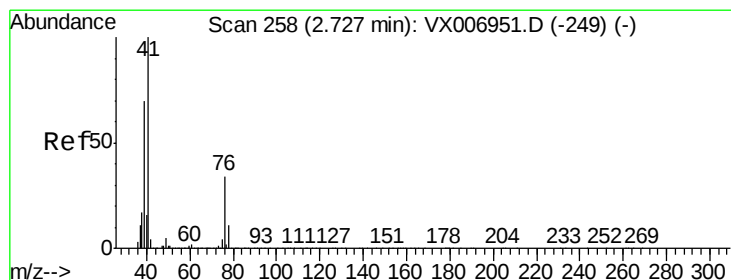
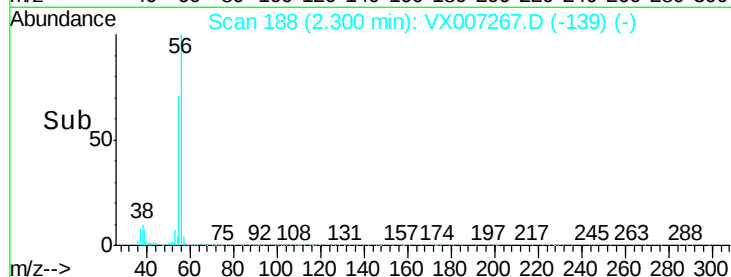
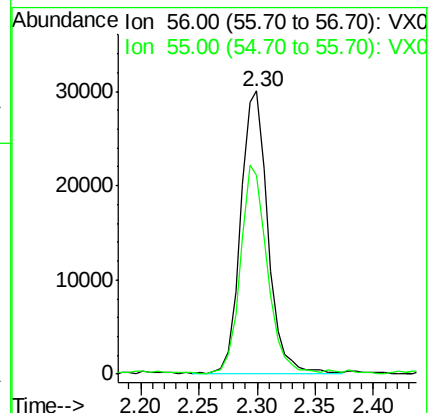
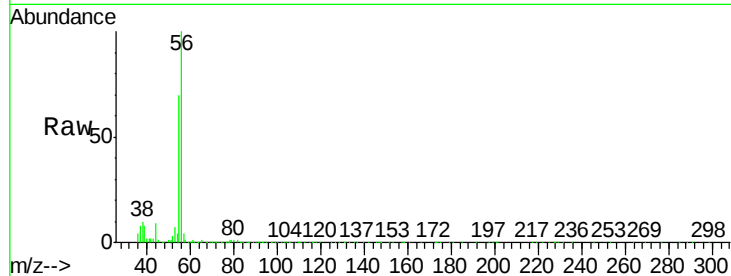
VX0128WBSD01

Tot Ion: 56 Resp: 48509

Ion Ratio Lower Upper

56 100

55 72.8 58.2 87.4



#14

Allyl chloride

Concen: 18.338 ug/l

RT: 2.73 min Scan# 259

Delta R.T. 0.01 min

Lab File: VX007267.D

Acq: 28 Jan 2019 18:12

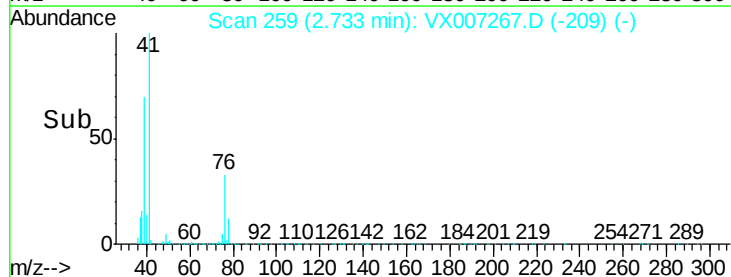
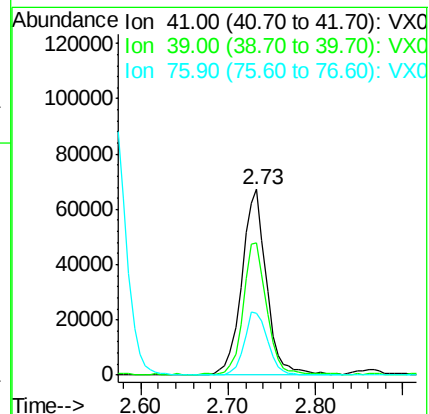
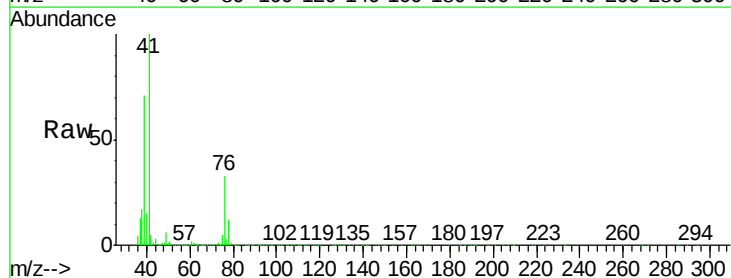
Tgt Ion: 41 Resp: 130098

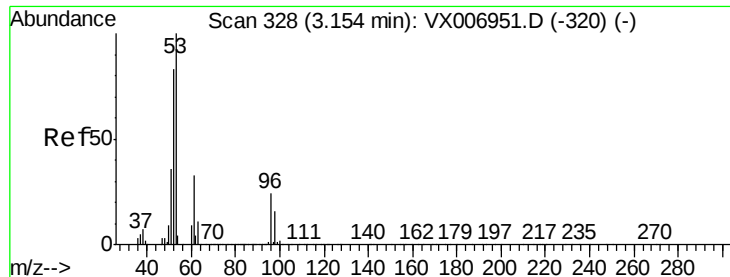
Ion Ratio Lower Upper

41 100

39 68.1 53.6 80.4

76 33.1 27.4 41.2





#15

Acrylonitrile

Concen: 97.467 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX007267.D

Acq: 28 Jan 2019 18:12

Instrument :

MSVOA_X

ClientSampleId :

VX0128WBSD01

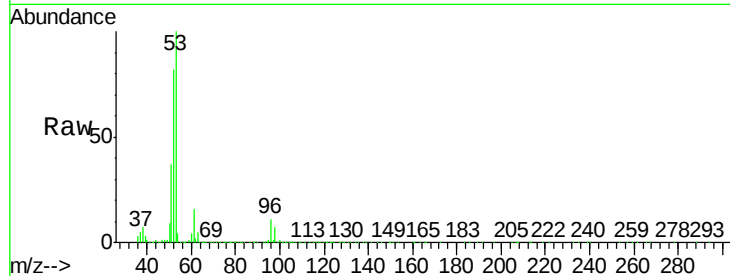
Tot Ion: 53 Resp: 248438

Ion Ratio Lower Upper

53 100

52 82.2 66.0 99.0

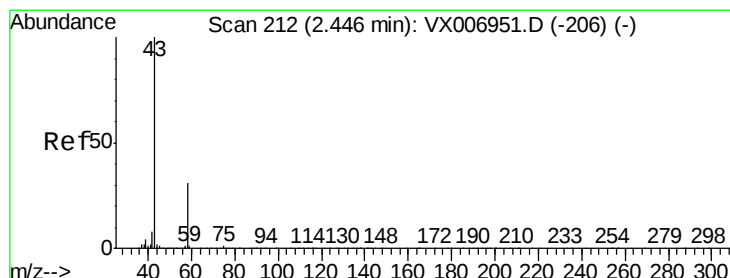
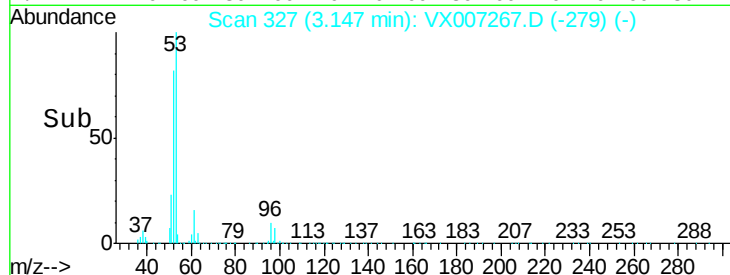
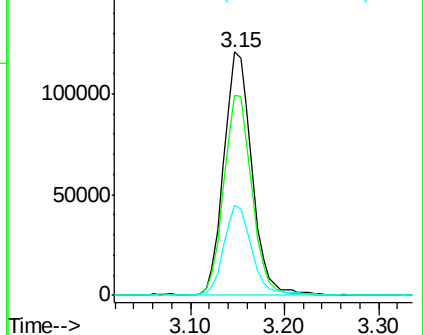
51 36.2 28.6 42.8



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 91.825 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX007267.D

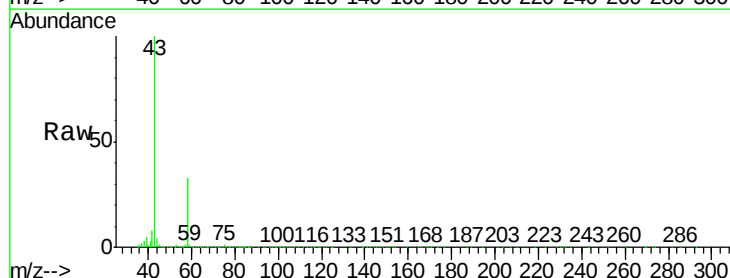
Acq: 28 Jan 2019 18:12

Tgt Ion: 43 Resp: 213675

Ion Ratio Lower Upper

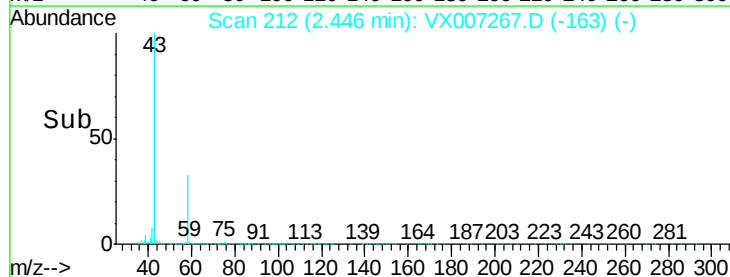
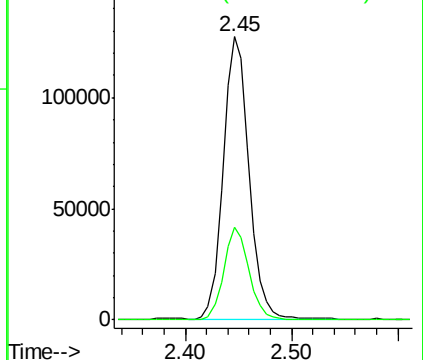
43 100

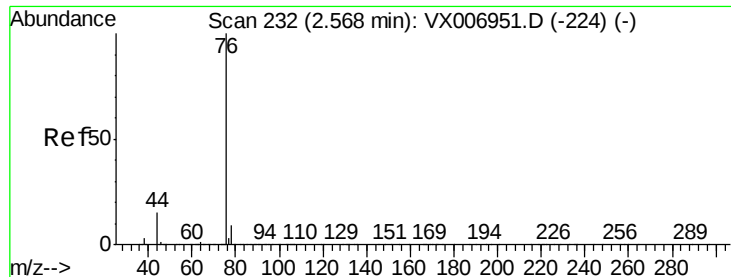
58 32.7 25.0 37.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 14.178 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX007267.D

Acq: 28 Jan 2019 18:12

Instrument :

MSVOA_X

ClientSampleId :

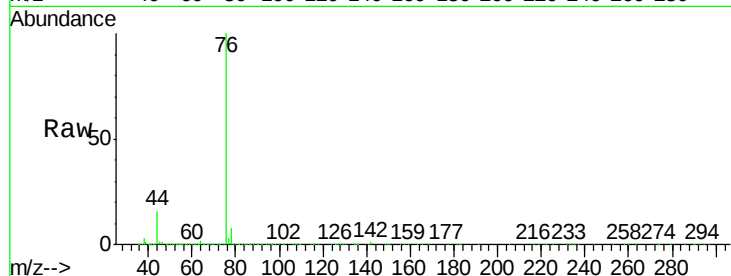
VX0128WBSD01

Tot Ion: 76 Resp: 151103

Ion Ratio Lower Upper

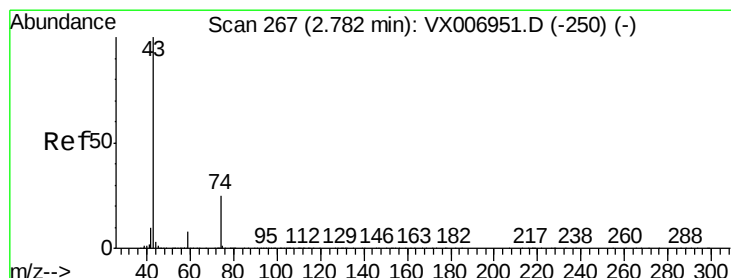
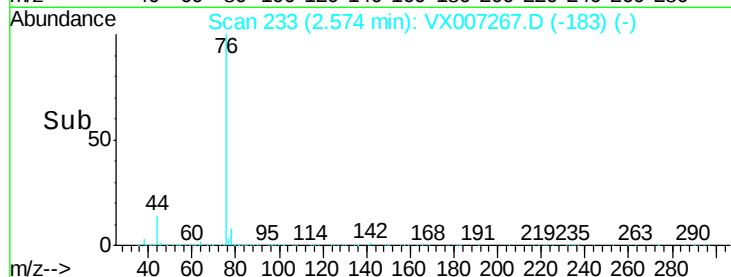
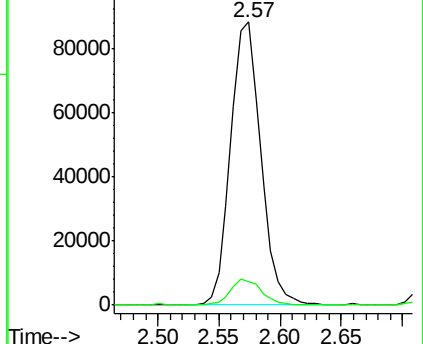
76 100

78 8.1 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 21.120 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX007267.D

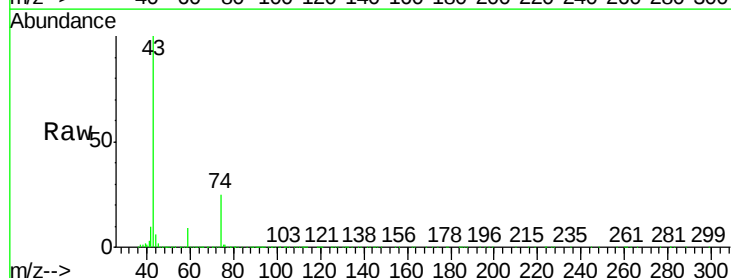
Acq: 28 Jan 2019 18:12

Tgt Ion: 43 Resp: 142322

Ion Ratio Lower Upper

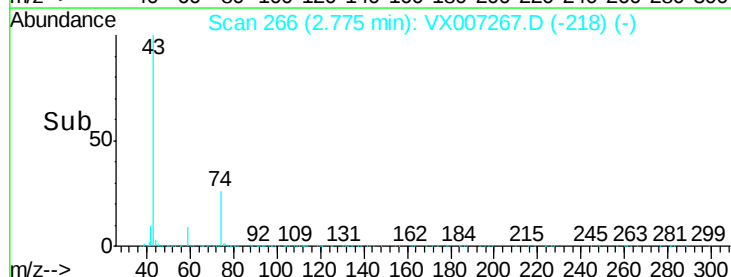
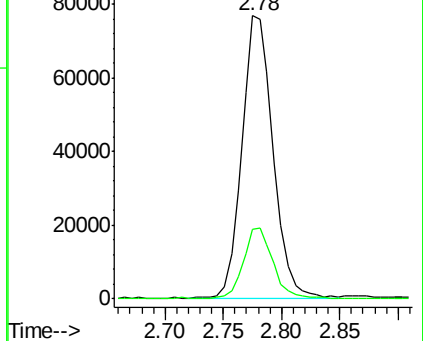
43 100

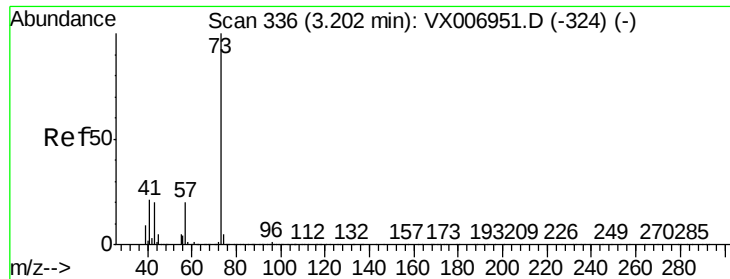
74 23.5 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



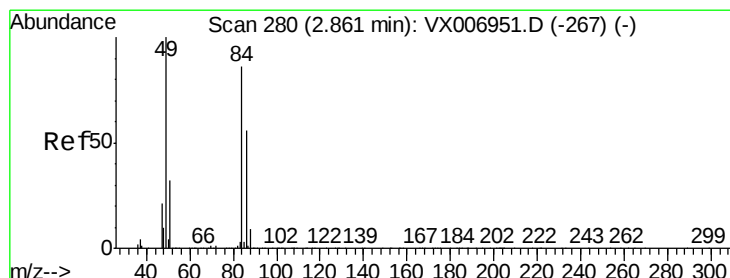
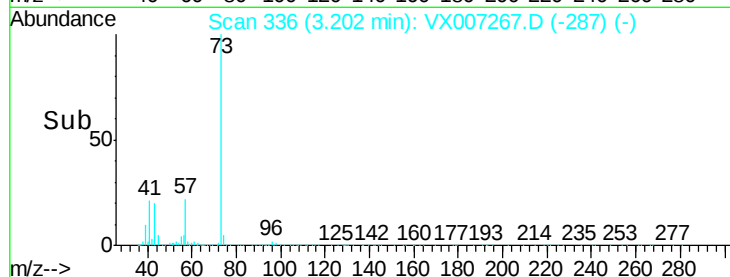
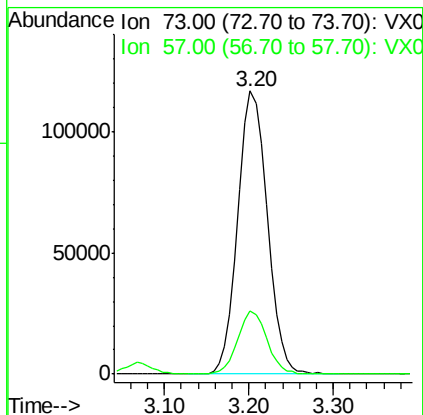
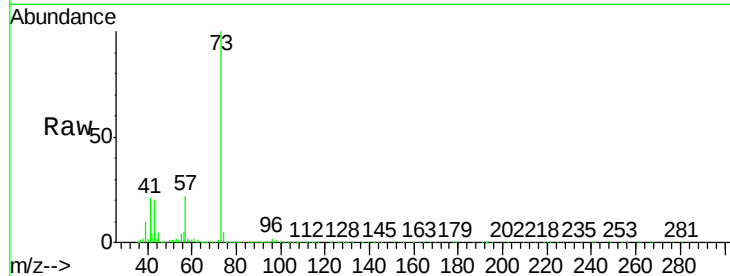


#19

Methyl tert-butyl Ether
 Concen: 19.272 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. -0.00 min
 Lab File: VX007267.D
 Acq: 28 Jan 2019 18:12

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0128WBSD01

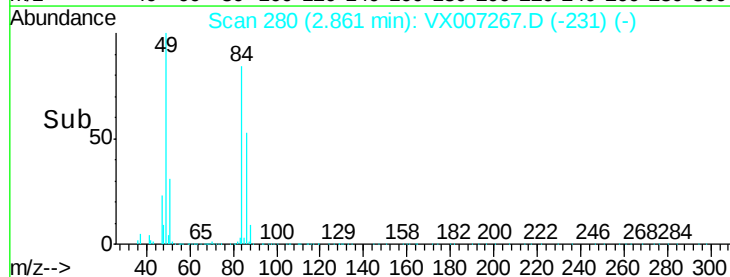
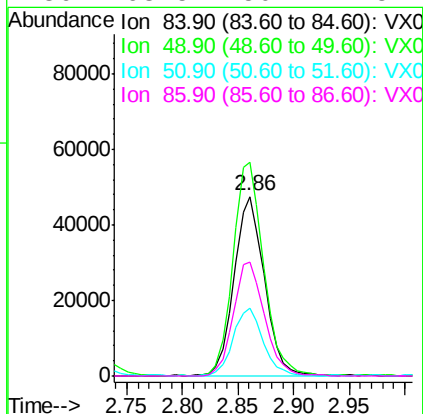
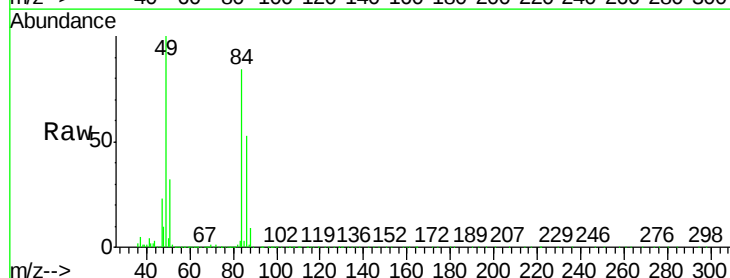
Tot Ion: 73 Resp: 276896
 Ion Ratio Lower Upper
 73 100
 57 22.4 16.8 25.2

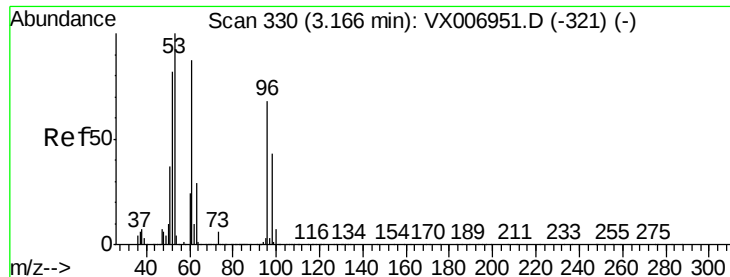


#20

Methylene Chloride
 Concen: 19.618 ug/l
 RT: 2.86 min Scan# 280
 Delta R.T. 0.00 min
 Lab File: VX007267.D
 Acq: 28 Jan 2019 18:12

Tgt Ion: 84 Resp: 88349
 Ion Ratio Lower Upper
 84 100
 49 119.1 91.8 137.6
 51 37.6 28.5 42.7
 86 63.5 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 17.323 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX007267.D

Acq: 28 Jan 2019 18:12

Instrument :

MSVOA_X

ClientSampleId :

VX0128WBSD01

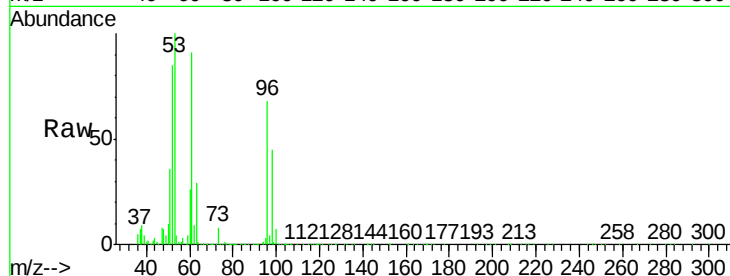
Tot Ion: 96 Resp: 79912

Ion Ratio Lower Upper

96 100

61 133.0 103.7 155.5

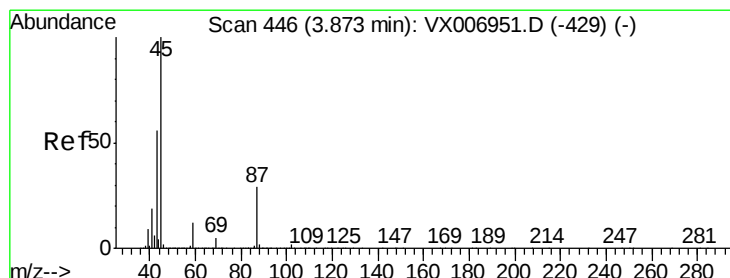
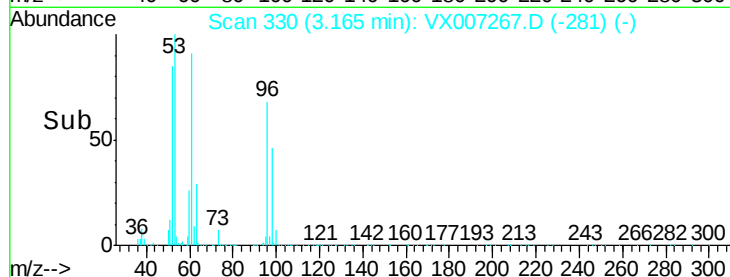
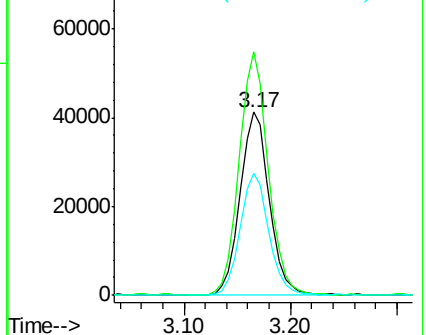
98 66.7 51.0 76.6



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 19.100 ug/l

RT: 3.87 min Scan# 446

Delta R.T. -0.00 min

Lab File: VX007267.D

Acq: 28 Jan 2019 18:12

Tgt Ion: 45 Resp: 254741

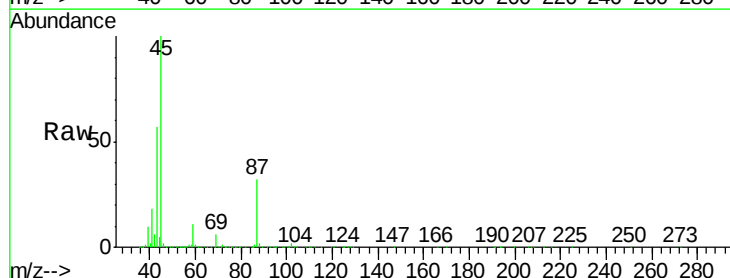
Ion Ratio Lower Upper

45 100

43 56.6 51.2 76.8

87 31.7 25.8 38.6

59 11.2 9.0 13.4

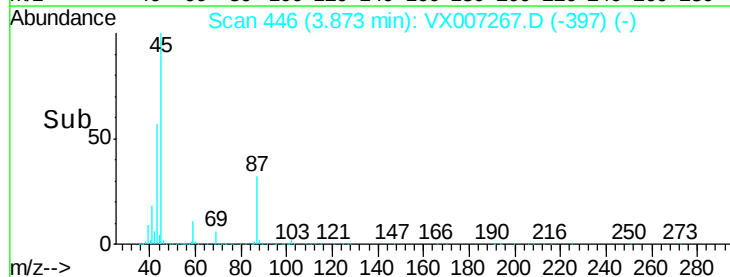
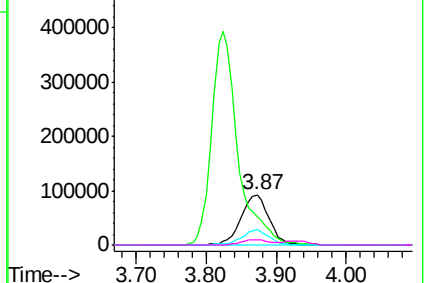


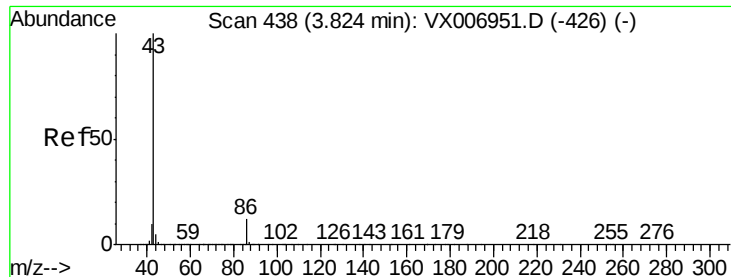
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 91.285 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX007267.D

Acq: 28 Jan 2019 18:12

Instrument :

MSVOA_X

ClientSampleID :

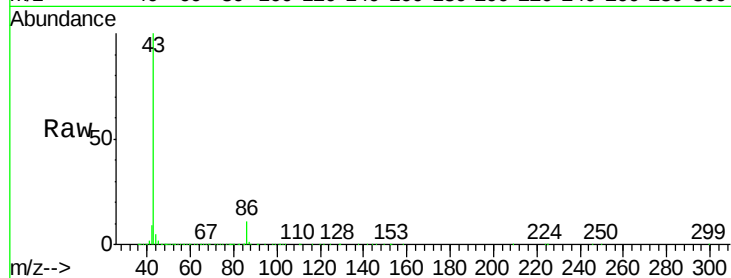
VX0128WBSD01

Tot Ion: 43 Resp: 1026722

Ion Ratio Lower Upper

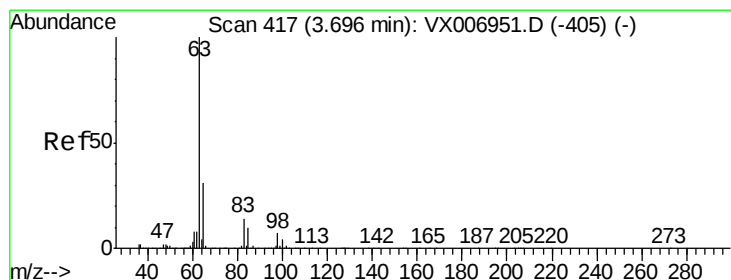
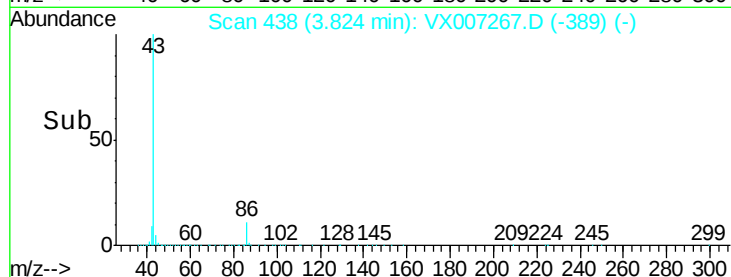
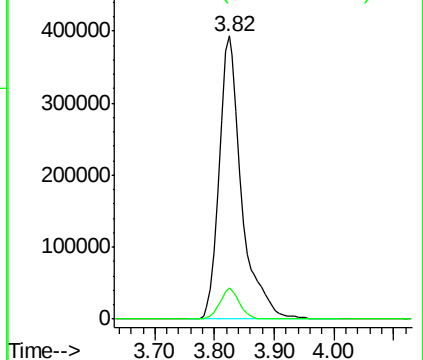
43 100

86 10.8 9.2 13.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 18.977 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX007267.D

Acq: 28 Jan 2019 18:12

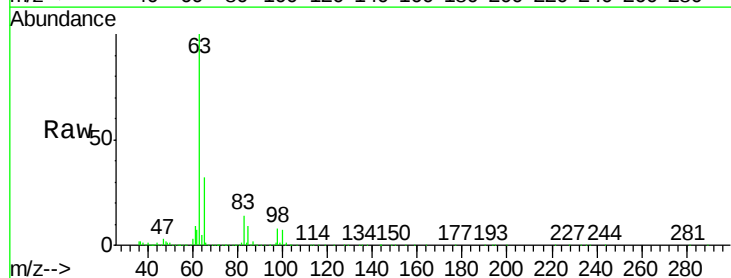
Tgt Ion: 63 Resp: 141520

Ion Ratio Lower Upper

63 100

98 7.8 3.9 11.5

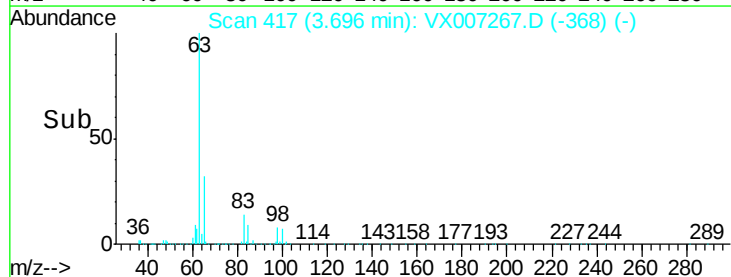
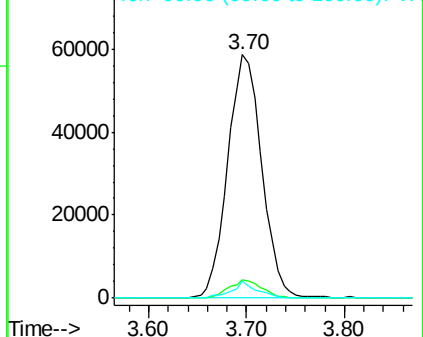
100 6.8 2.4 7.2

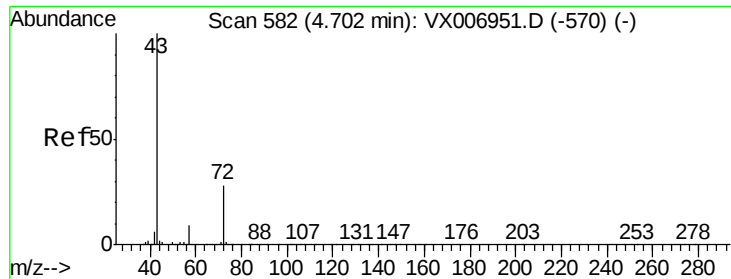


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 94.737 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX007267.D

Acq: 28 Jan 2019 18:12

Instrument :

MSVOA_X

ClientSampleId :

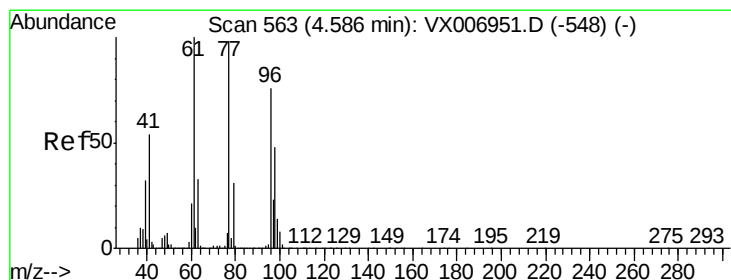
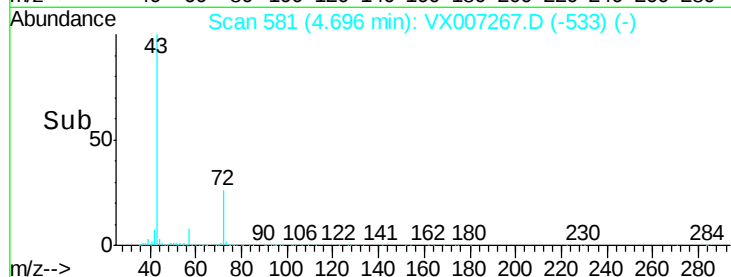
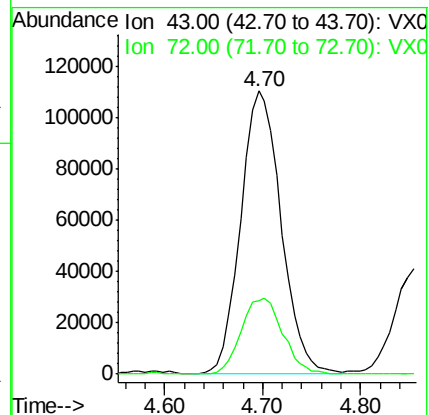
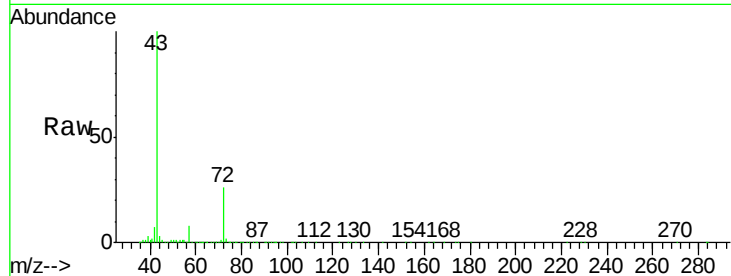
VX0128WBSD01

Tot Ion: 43 Resp: 315435

Ion Ratio Lower Upper

43 100

72 26.0 22.4 33.6



#26

2,2-Dichloropropane

Concen: 16.571 ug/l

RT: 4.59 min Scan# 564

Delta R.T. 0.01 min

Lab File: VX007267.D

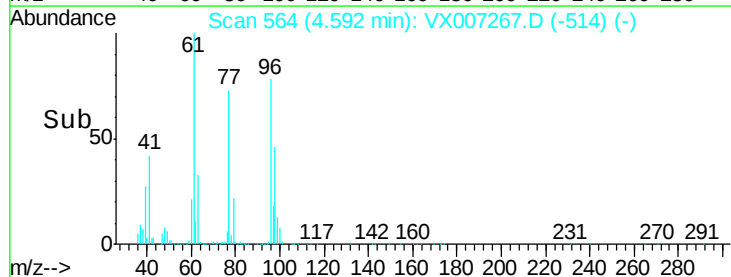
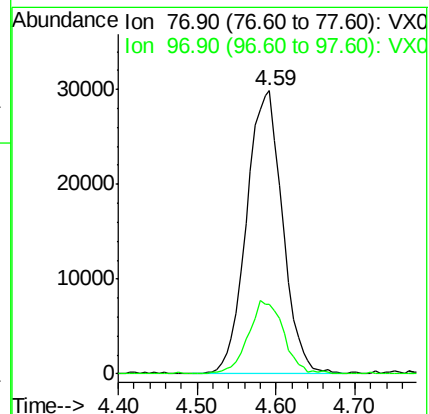
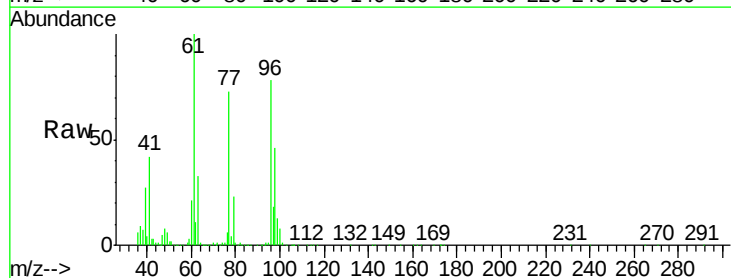
Acq: 28 Jan 2019 18:12

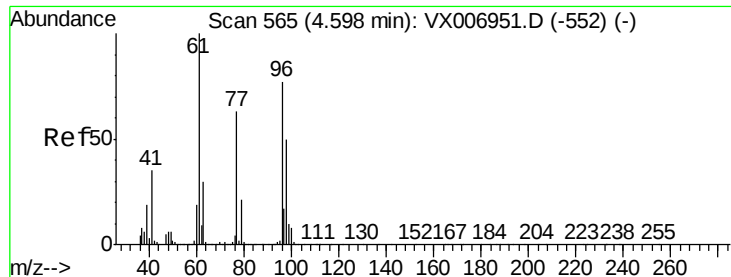
Tgt Ion: 77 Resp: 95027

Ion Ratio Lower Upper

77 100

97 25.3 12.4 37.4



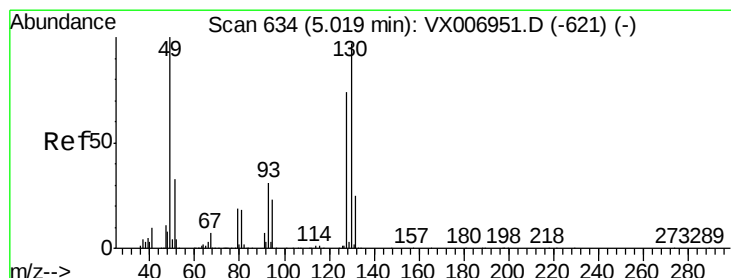
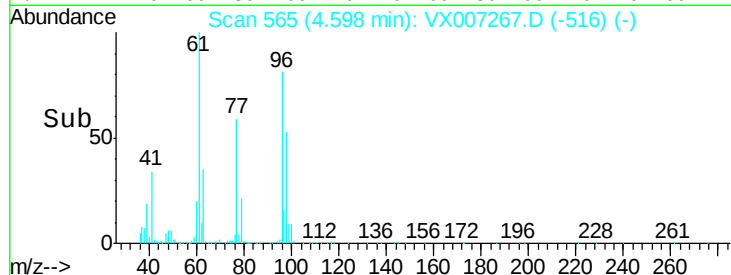
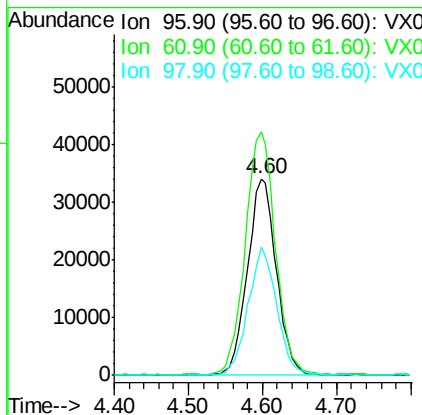
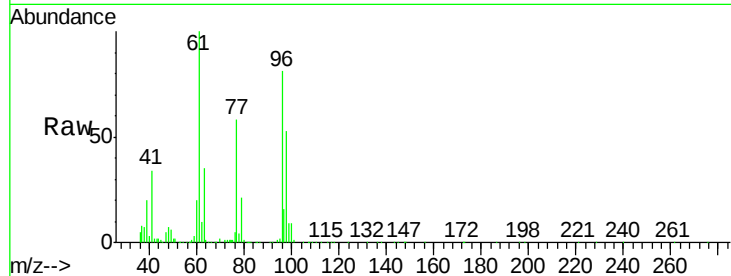


#27

cis-1,2-Dichloroethene
Concen: 18.360 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX007267.D
Acq: 28 Jan 2019 18:12

Instrument :
MSVOA_X
ClientSampleId :
VX0128WBSD01

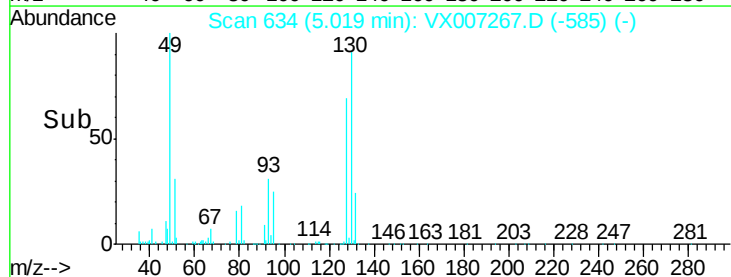
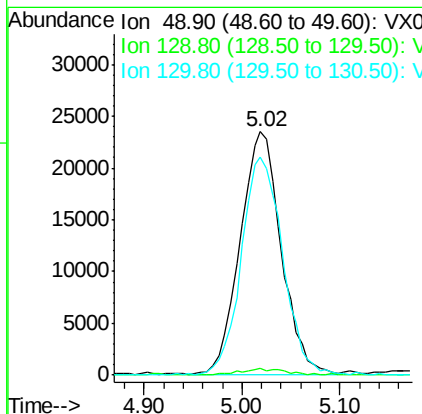
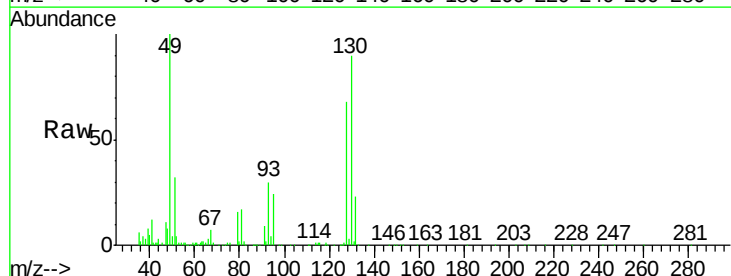
Tot Ion: 96 Resp: 93419
Ion Ratio Lower Upper
96 100
61 128.8 0.0 258.6
98 64.5 0.0 132.0

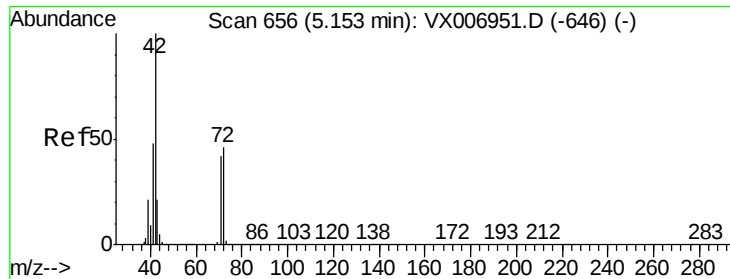


#28

Bromochloromethane
Concen: 21.048 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX007267.D
Acq: 28 Jan 2019 18:12

Tgt Ion: 49 Resp: 68773
Ion Ratio Lower Upper
49 100
129 2.7 0.0 5.4
130 90.0 77.7 116.5





#29

Tetrahydrofuran

Concen: 94.283 ug/l

RT: 5.15 min Scan# 655

Delta R.T. -0.01 min

Lab File: VX007267.D

Acq: 28 Jan 2019 18:12

Instrument :

MSVOA_X

ClientSampleId :

VX0128WBSD01

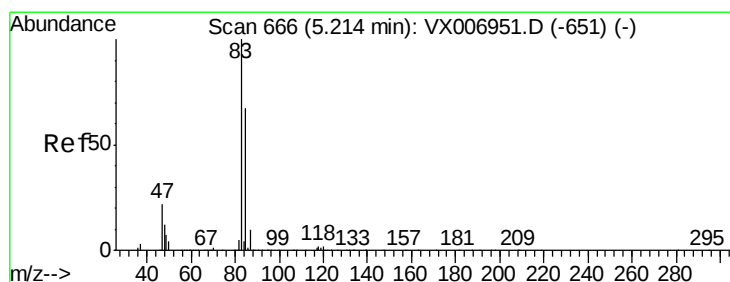
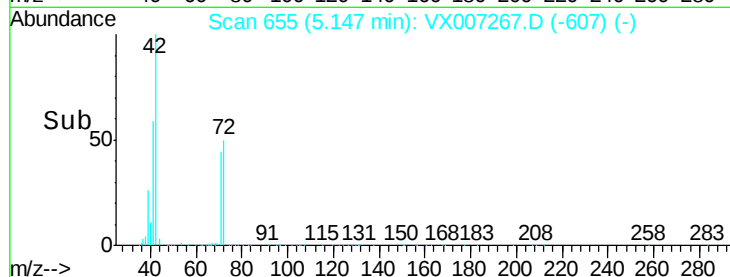
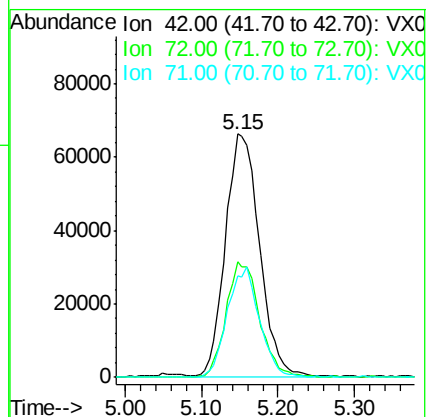
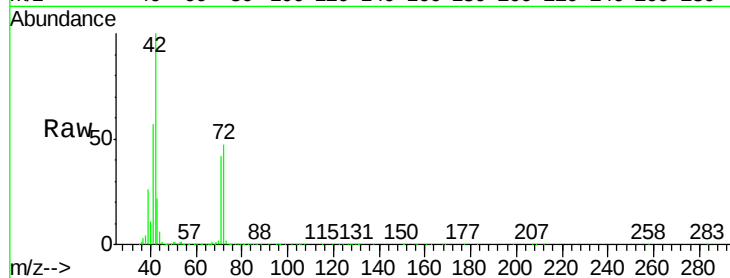
Tot Ion: 42 Resp: 204010

Ion Ratio Lower Upper

42 100

72 47.0 38.9 58.3

71 42.9 36.2 54.4



#30

Chloroform

Concen: 19.233 ug/l

RT: 5.21 min Scan# 666

Delta R.T. -0.00 min

Lab File: VX007267.D

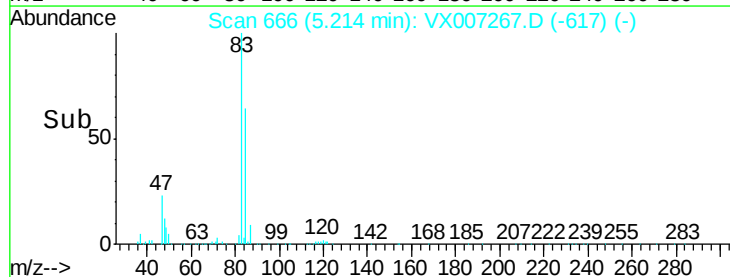
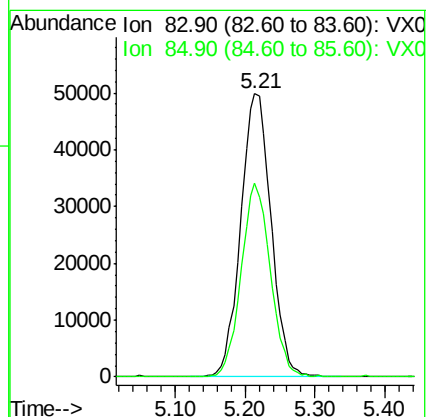
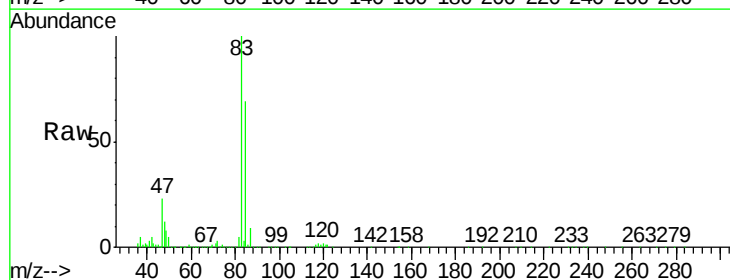
Acq: 28 Jan 2019 18:12

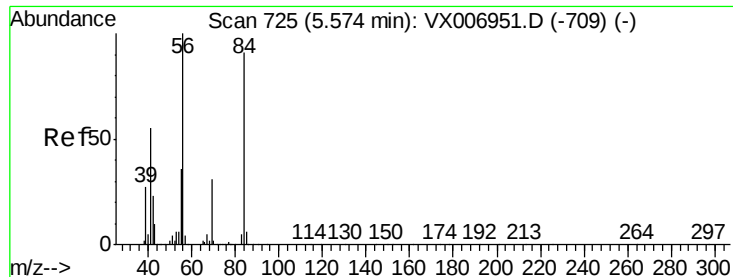
Tgt Ion: 83 Resp: 150177

Ion Ratio Lower Upper

83 100

85 68.6 51.2 76.8

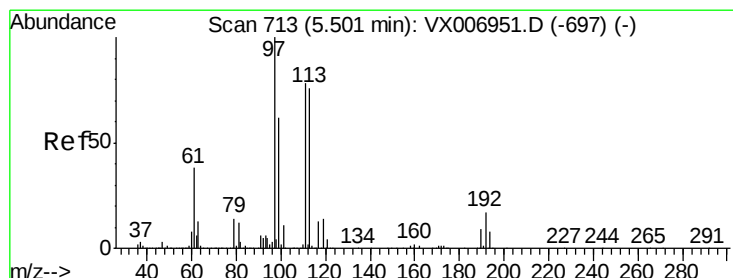
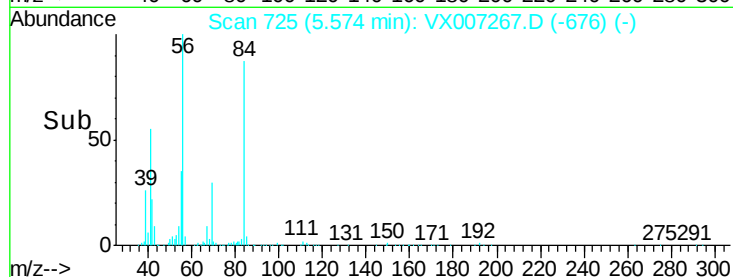
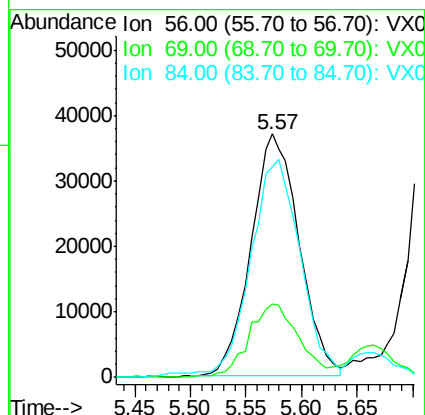
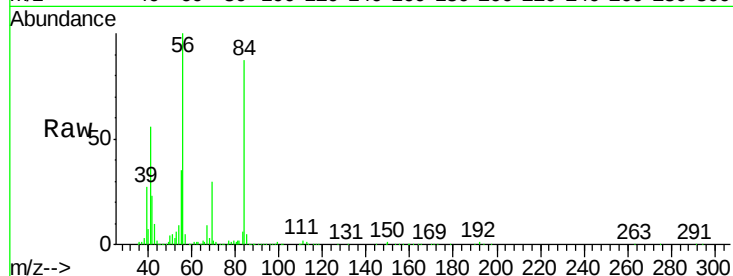




#31
Cyclohexane
Concen: 16.726 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX007267.D
Acq: 28 Jan 2019 18:12

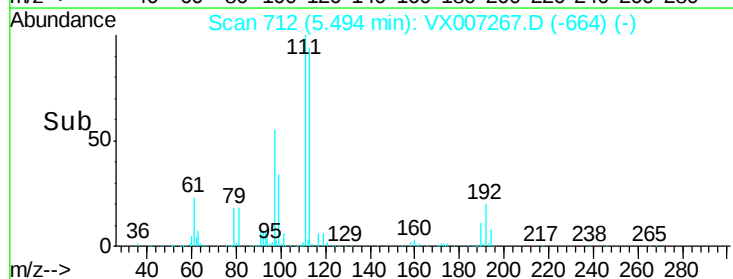
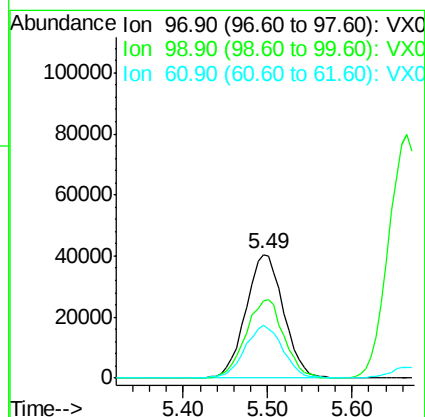
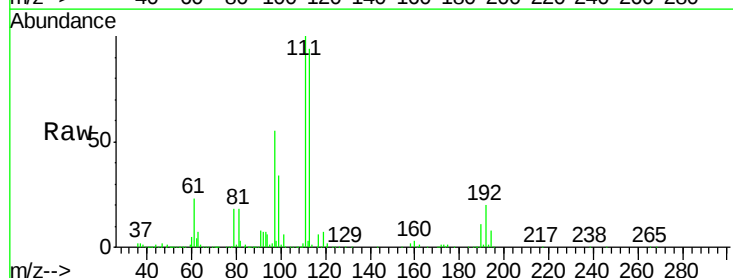
Instrument :
MSVOA_X
ClientSampleId :
VX0128WBSD01

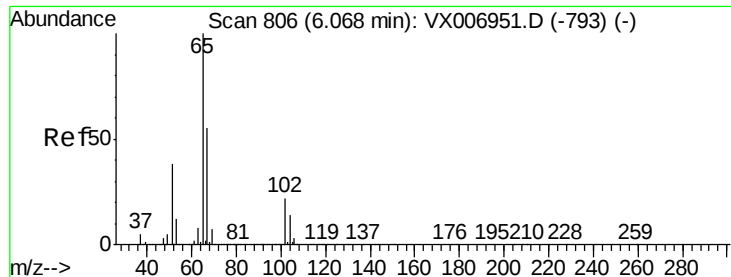
Tot Ion: 56 Resp: 111022
Ion Ratio Lower Upper
56 100
69 30.1 24.4 36.6
84 85.3 70.0 105.0



#32
1,1,1-Trichloroethane
Concen: 18.593 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX007267.D
Acq: 28 Jan 2019 18:12

Tgt Ion: 97 Resp: 123053
Ion Ratio Lower Upper
97 100
99 64.4 51.7 77.5
61 42.6 31.3 46.9





#33

1,2-Dichloroethane-d4

Concen: 51.831 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007267.D

Acq: 28 Jan 2019 18:12

Instrument :

MSVOA_X

ClientSampleId :

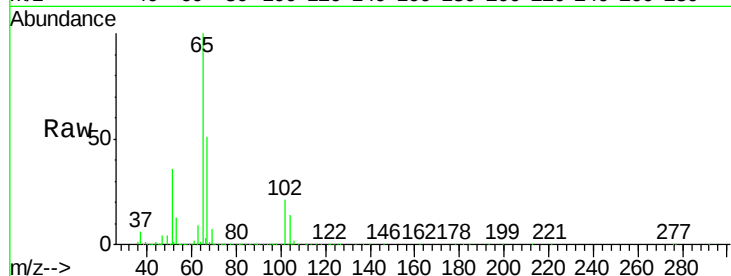
VX0128WBSD01

Tot Ion: 65 Resp: 243967

Ion Ratio Lower Upper

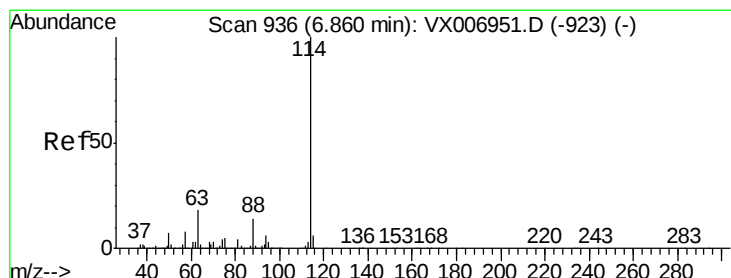
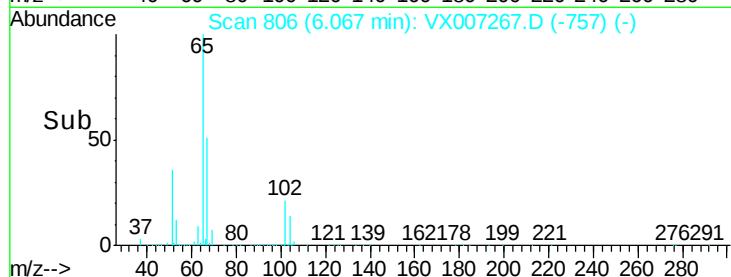
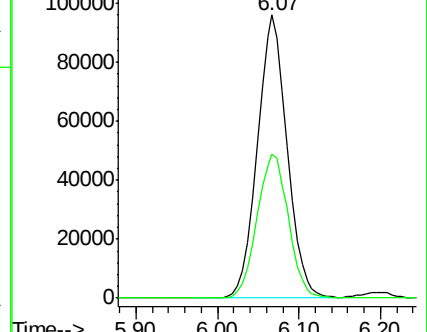
65 100

67 53.4 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX007267.D

Acq: 28 Jan 2019 18:12

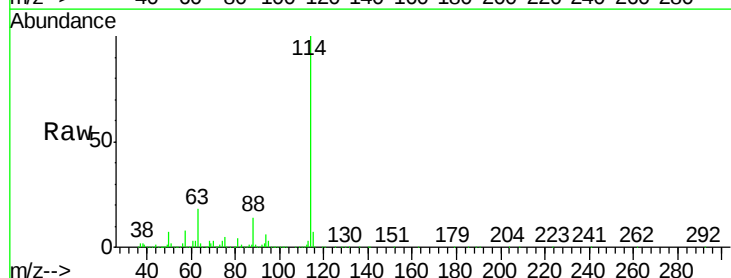
Tgt Ion: 114 Resp: 656114

Ion Ratio Lower Upper

114 100

63 17.6 0.0 34.8

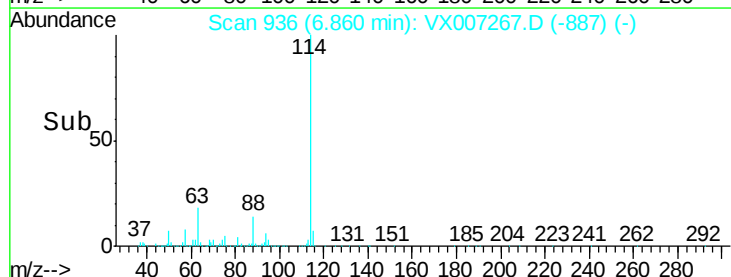
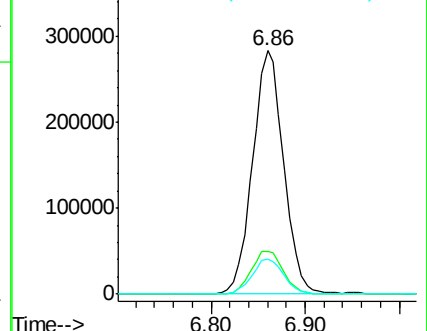
88 14.2 0.0 28.8

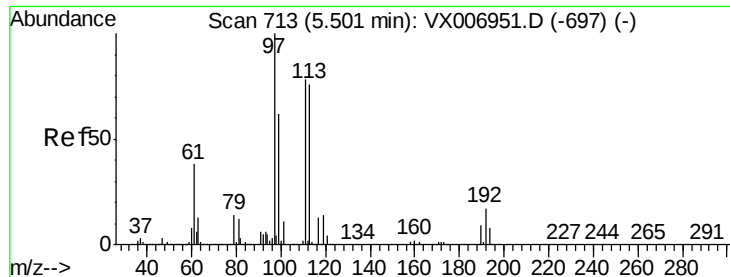


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 52.122 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX007267.D

Acq: 28 Jan 2019 18:12

Instrument :

MSVOA_X

ClientSampled :

VX0128WBSD01

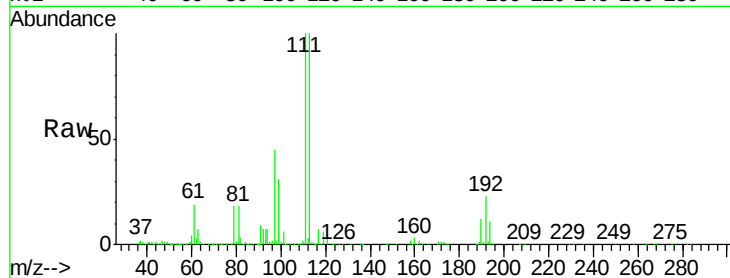
Tot Ion:113 Resp: 219001

Ion Ratio Lower Upper

113 100

111 103.0 81.6 122.4

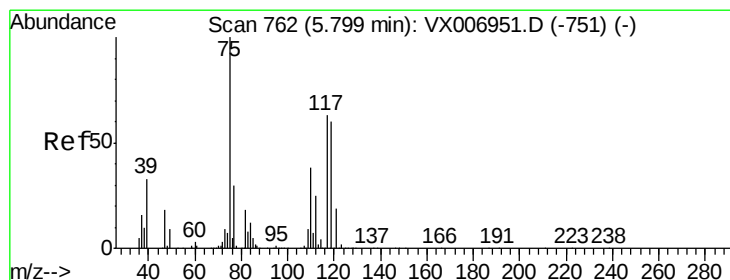
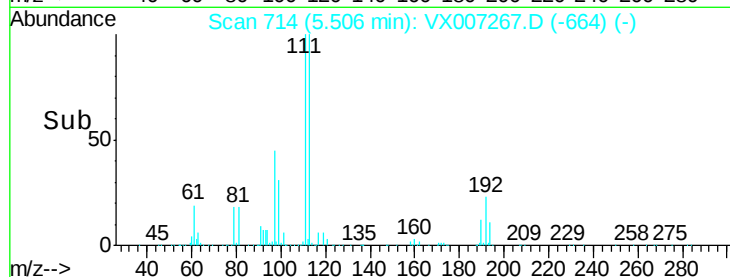
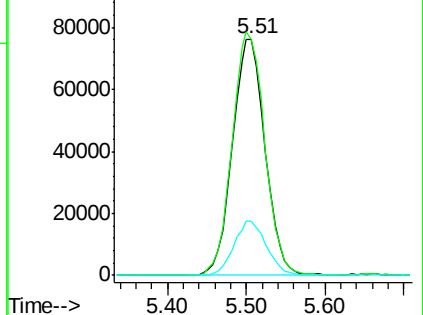
192 22.9 16.7 25.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 17.510 ug/l

RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

Lab File: VX007267.D

Acq: 28 Jan 2019 18:12

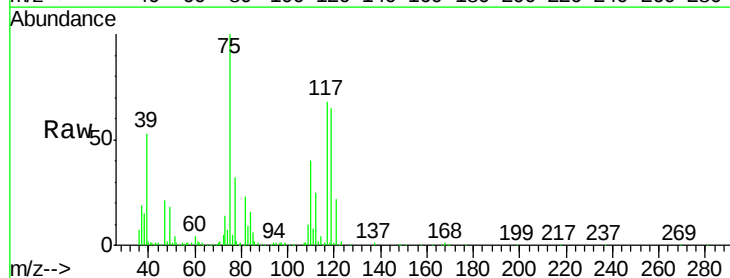
Tgt Ion: 75 Resp: 99881

Ion Ratio Lower Upper

75 100

110 40.2 20.2 60.5

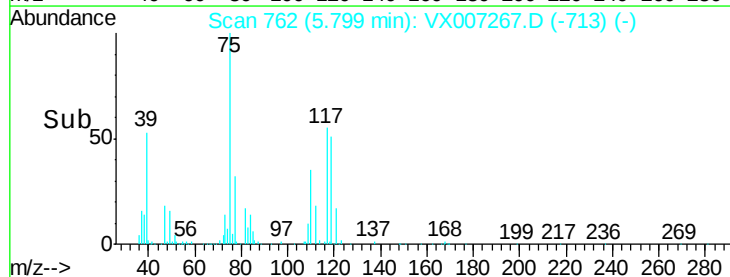
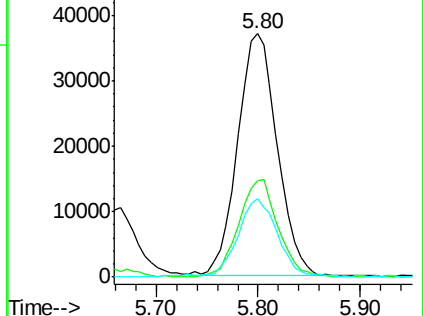
77 32.3 24.8 37.2

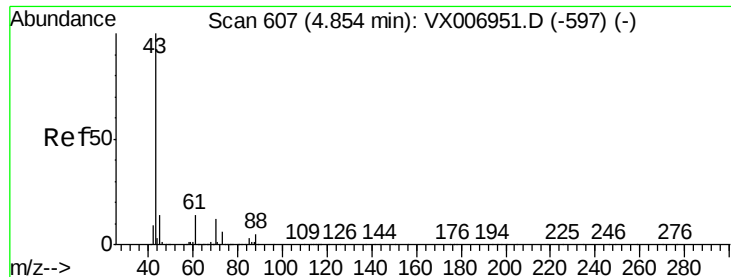


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

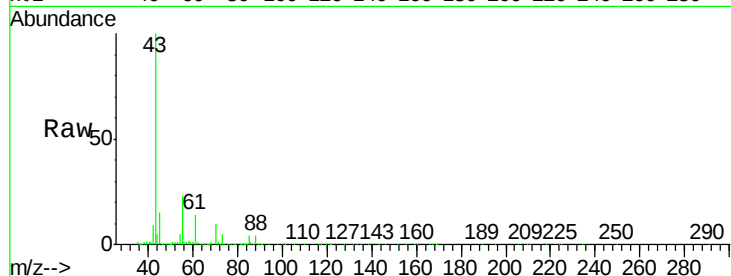




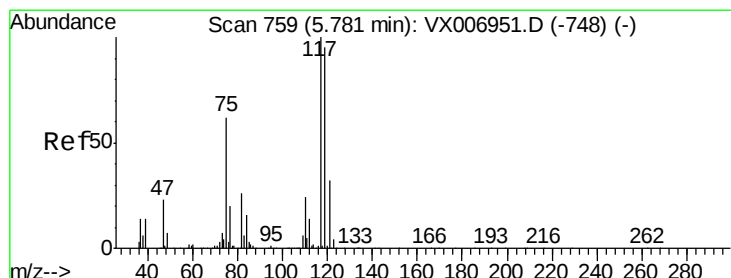
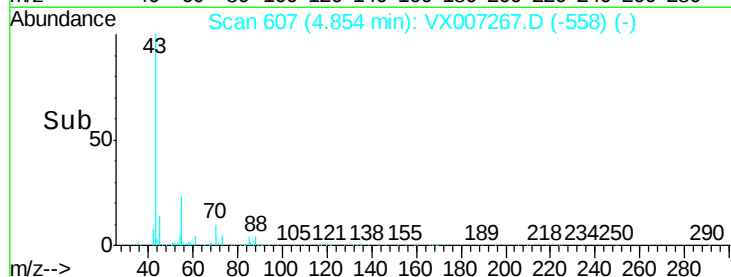
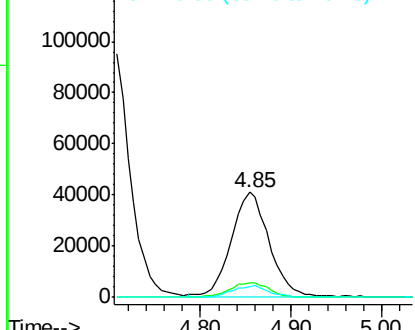
#37
Ethyl Acetate
Concen: 19.169 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX007267.D
Acq: 28 Jan 2019 18:12

Instrument :
MSVOA_X
ClientSampleId :
VX0128WBSD01

Tot Ion: 43 Resp: 117228
Ion Ratio Lower Upper
43 100
61 14.5 11.9 17.9
70 11.2 9.7 14.5

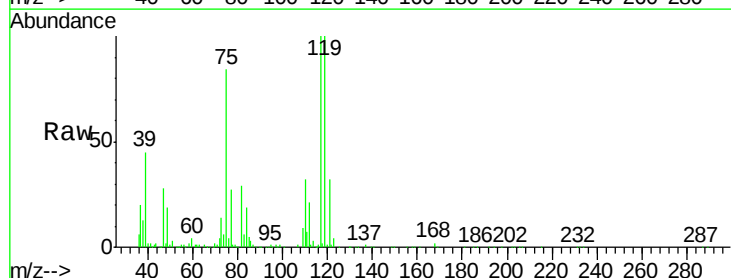


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

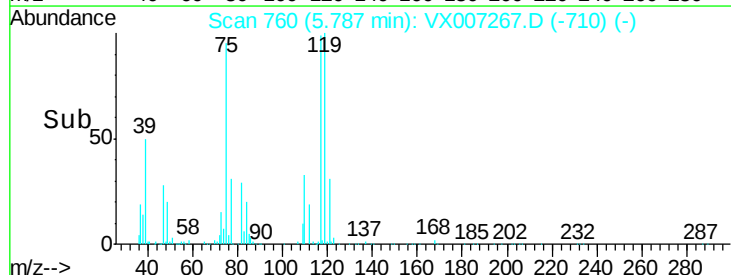
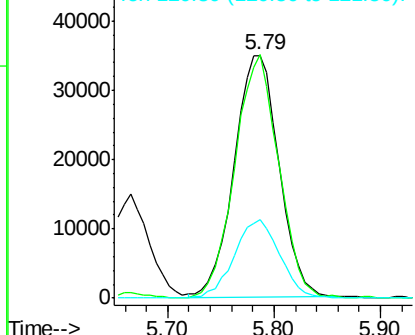


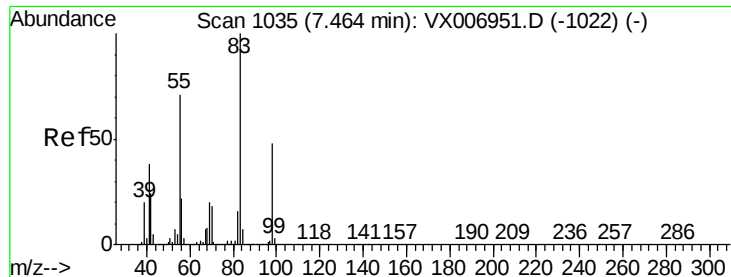
#38
Carbon Tetrachloride
Concen: 17.952 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX007267.D
Acq: 28 Jan 2019 18:12

Tgt Ion: 117 Resp: 103029
Ion Ratio Lower Upper
117 100
119 100.4 79.4 119.2
121 32.0 24.0 36.0



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

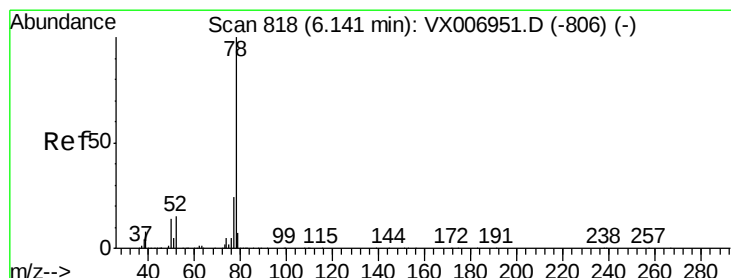
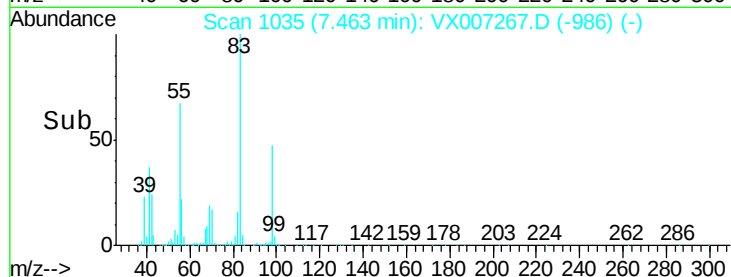
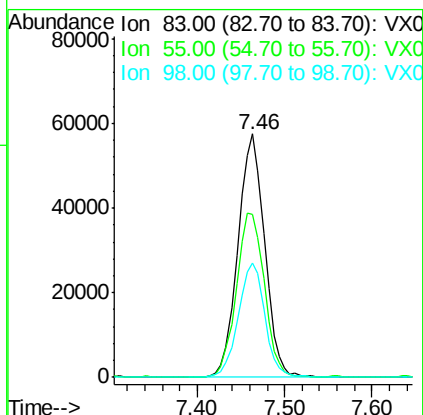
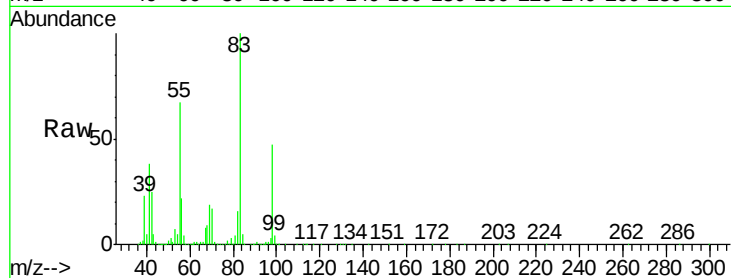




#39
Methvlcvclohexane
Concen: 16.835 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX007267.D
Acq: 28 Jan 2019 18:12

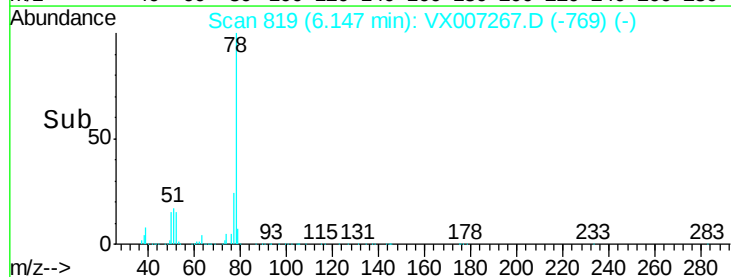
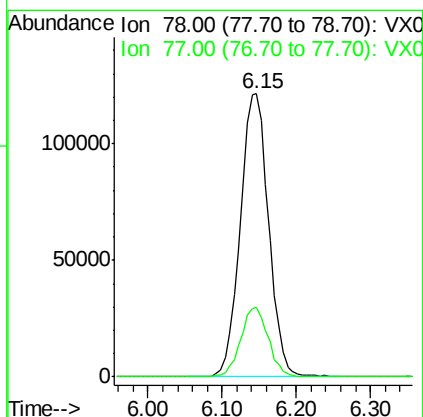
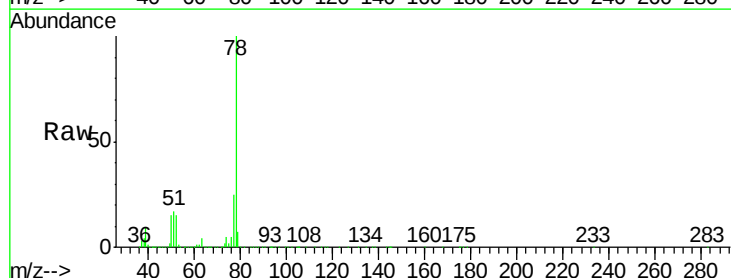
Instrument :
MSVOA_X
ClientSampleId :
VX0128WBSD01

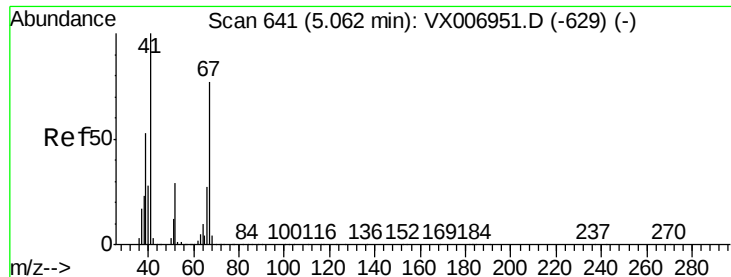
Tot Ion	83	Resp	122426
Ion Ratio	Lower	Upper	
83	100		
55	66.7	54.9	82.3
98	47.1	37.9	56.9



#40
Benzene
Concen: 18.669 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX007267.D
Acq: 28 Jan 2019 18:12

Tgt Ion	78	Resp	324956
Ion Ratio	Lower	Upper	
78	100		
77	24.8	19.2	28.8





#41

Methacrylonitrile

Concen: 18.659 ug/l

RT: 5.06 min Scan# 640

Delta R.T. -0.01 min

Lab File: VX007267.D

Acq: 28 Jan 2019 18:12

Instrument :

MSVOA_X

ClientSampleId :

VX0128WBSD01

Tot Ion: 41 Resp: 65736

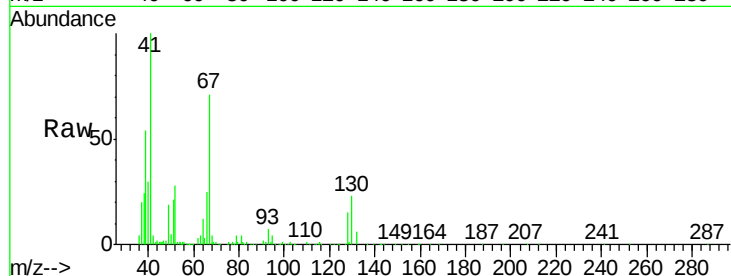
Ion Ratio Lower Upper

41 100

39 53.3 42.8 64.2

67 74.6 62.1 93.1

52 29.7 23.4 35.0

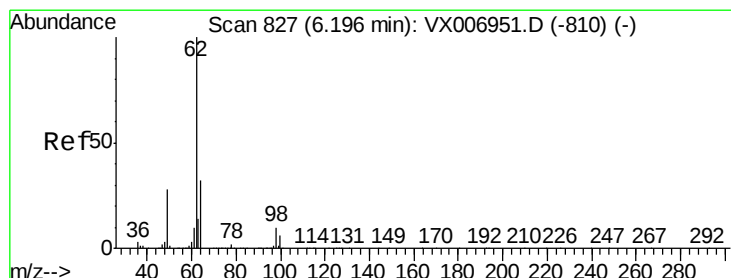
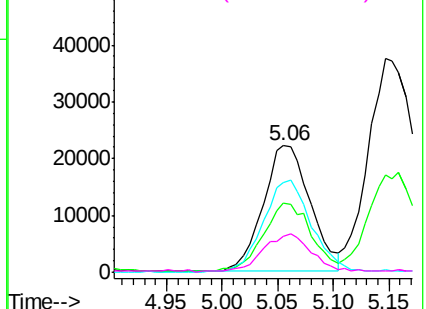
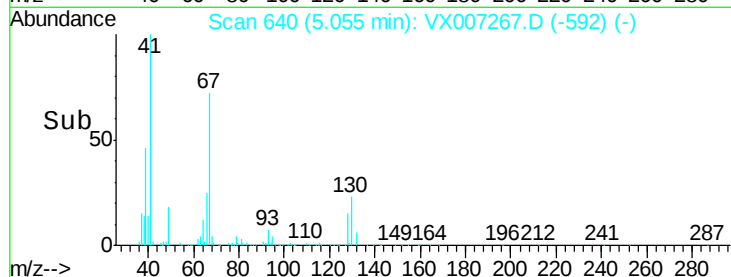


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 18.953 ug/l

RT: 6.20 min Scan# 827

Delta R.T. -0.00 min

Lab File: VX007267.D

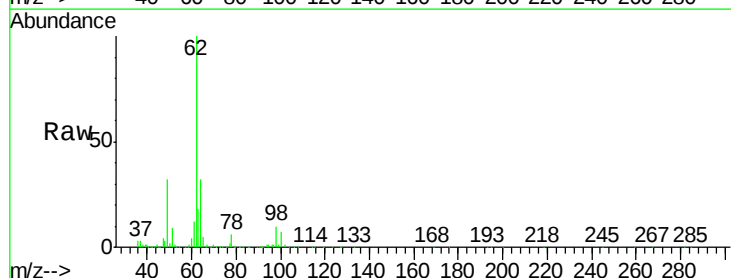
Acq: 28 Jan 2019 18:12

Tgt Ion: 62 Resp: 114000

Ion Ratio Lower Upper

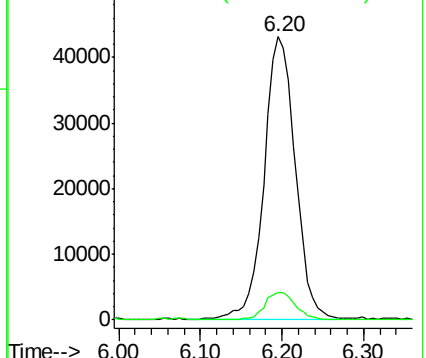
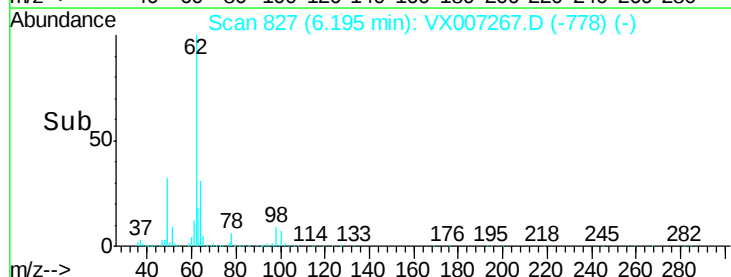
62 100

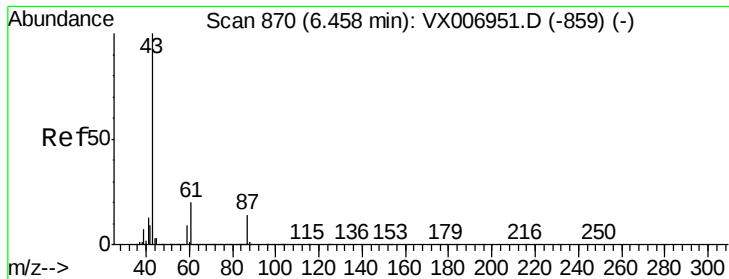
98 9.6 0.0 20.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



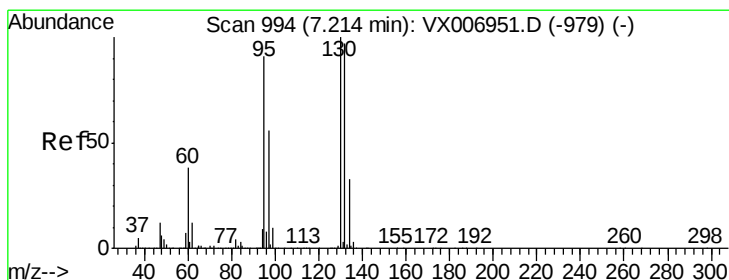
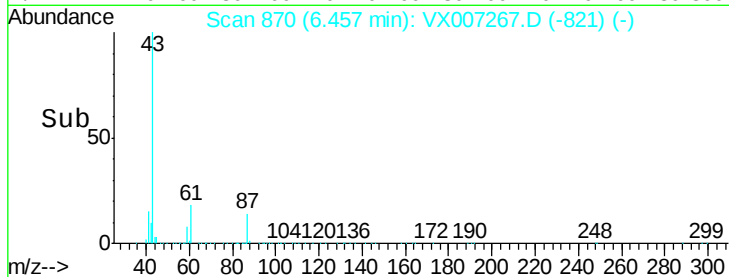
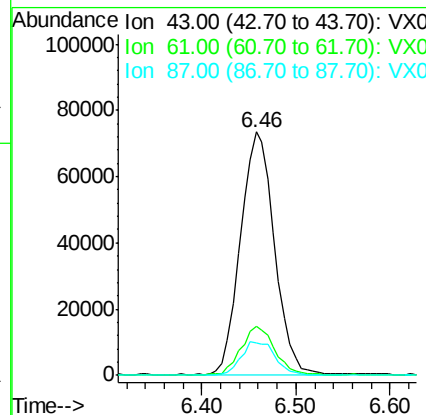
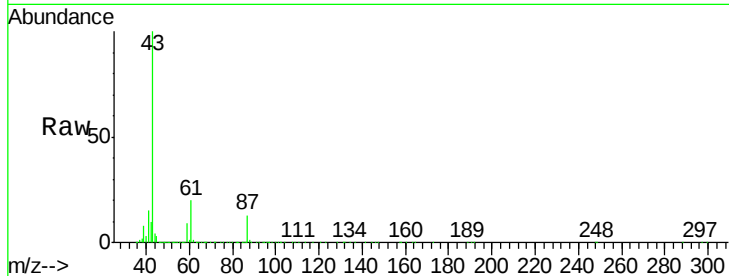


#43

Isopropyl Acetate
 Concen: 19.099 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. -0.00 min
 Lab File: VX007267.D
 Acq: 28 Jan 2019 18:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0128WBSD01

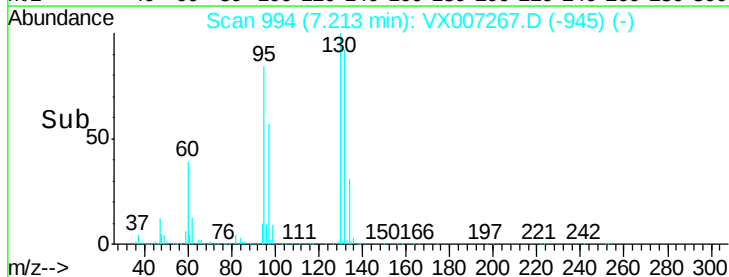
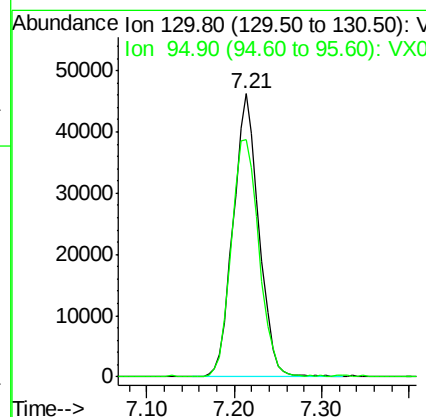
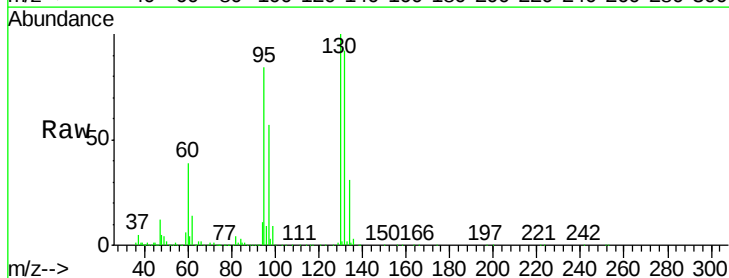
Tot Ion	43	Resp	184243
Ion Ratio	Lower	Upper	
43	100		
61	20.3	16.8	25.2
87	13.8	12.4	18.6

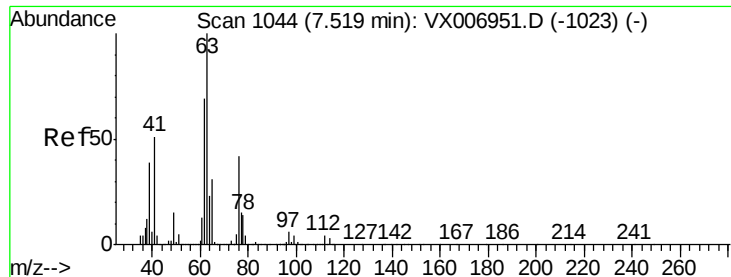


#44

Trichloroethene
 Concen: 18.142 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX007267.D
 Acq: 28 Jan 2019 18:12

Tgt Ion	130	Resp	94624
Ion Ratio	Lower	Upper	
130	100		
95	83.8	0.0	187.0





#45

1,2-Dichloropropane

Concen: 19.662 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX007267.D

Acq: 28 Jan 2019 18:12

Instrument :

MSVOA_X

ClientSampleId :

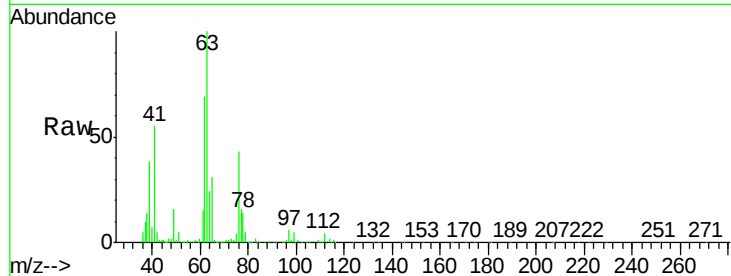
VX0128WBSD01

Tot Ion: 63 Resp: 86040

Ion Ratio Lower Upper

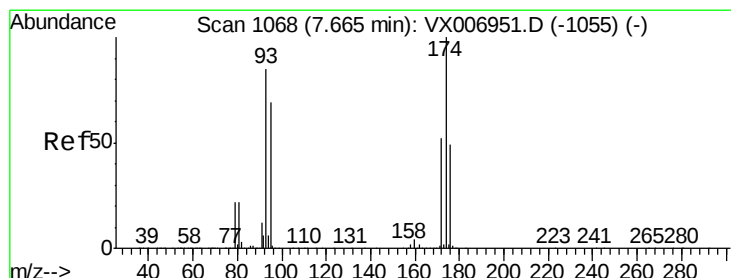
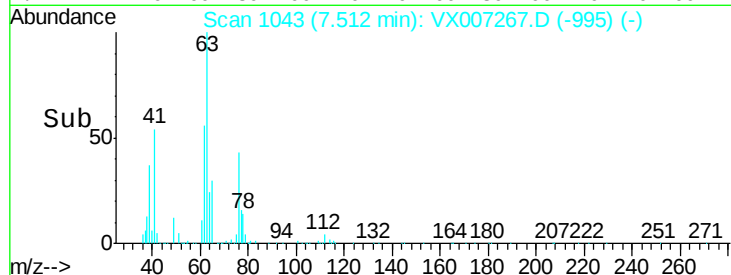
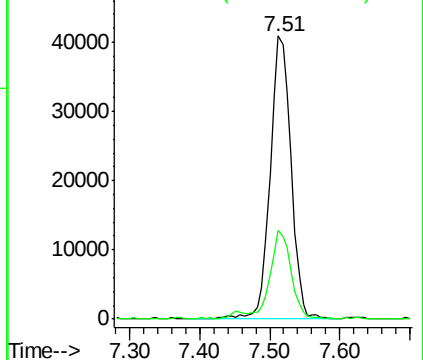
63 100

65 31.2 25.4 38.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 19.711 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.01 min

Lab File: VX007267.D

Acq: 28 Jan 2019 18:12

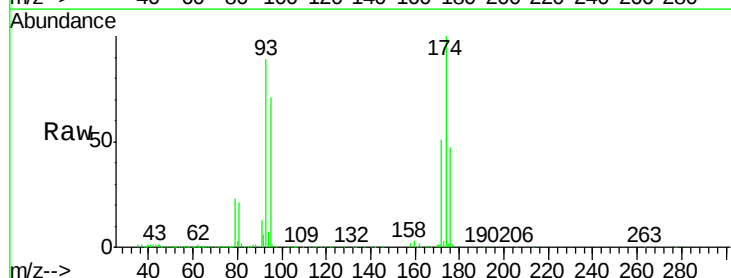
Tgt Ion: 93 Resp: 60620

Ion Ratio Lower Upper

93 100

95 82.4 66.2 99.4

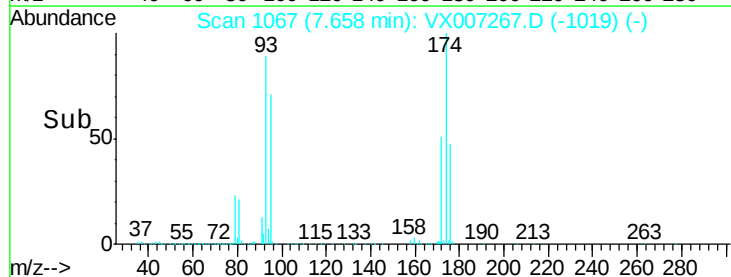
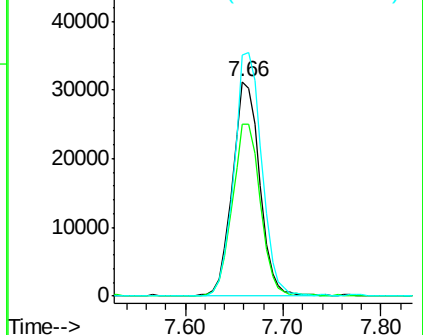
174 115.1 91.0 136.4

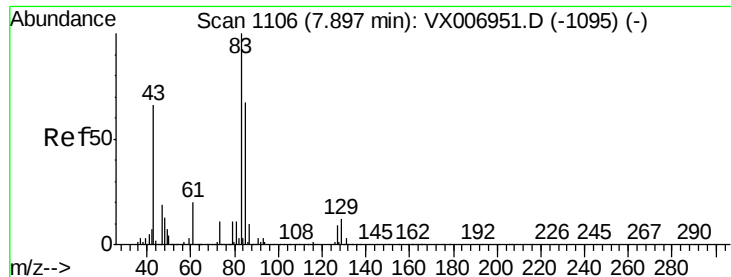


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.942 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX007267.D

Acq: 28 Jan 2019 18:12

Instrument :

MSVOA_X

ClientSampleId :

VX0128WBSD01

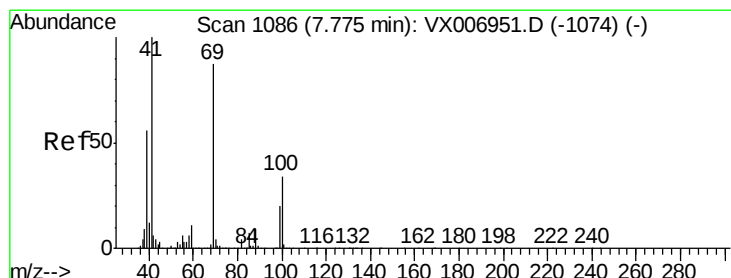
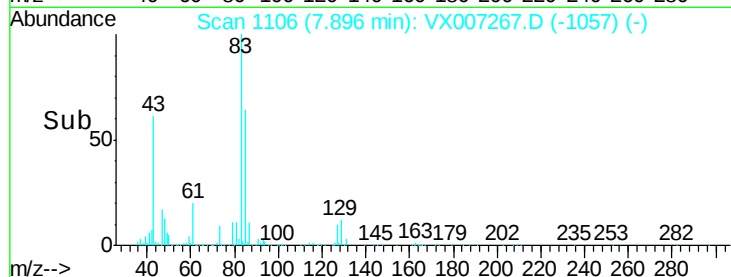
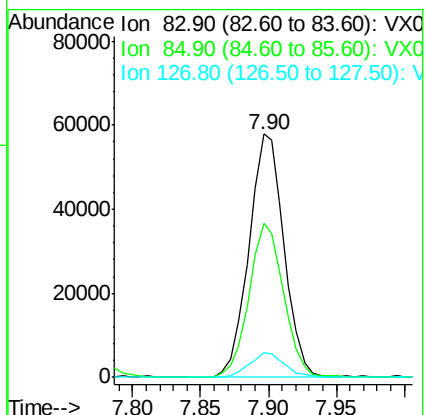
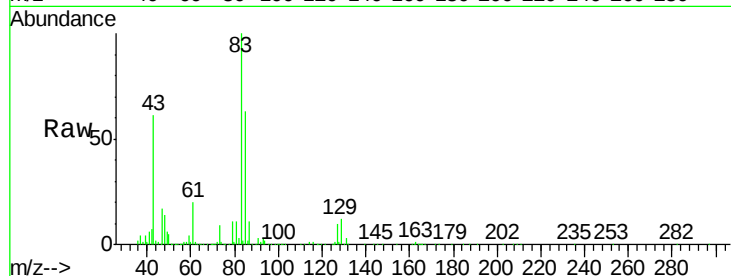
Tot Ion: 83 Resp: 104392

Ion Ratio Lower Upper

83 100

85 63.2 53.2 79.8

127 10.3 7.8 11.6



#48

Methyl methacrylate

Concen: 19.569 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX007267.D

Acq: 28 Jan 2019 18:12

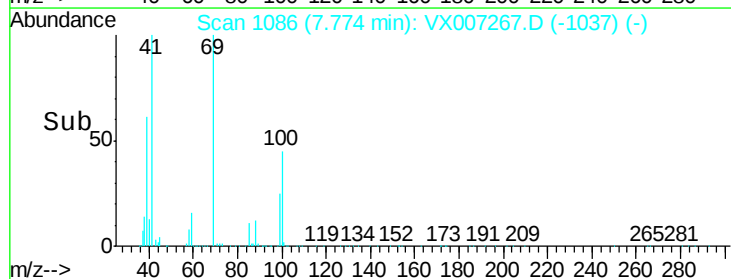
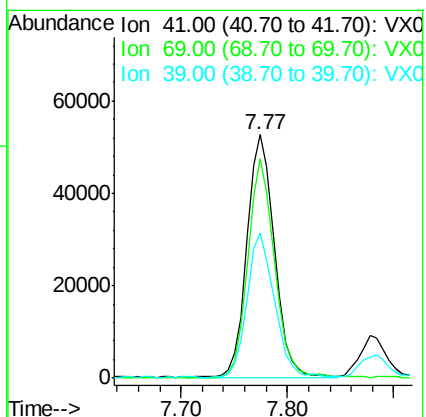
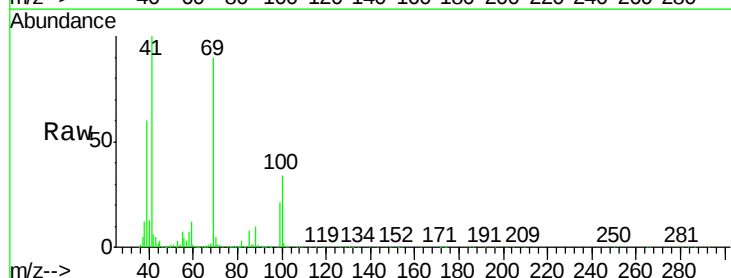
Tgt Ion: 41 Resp: 96943

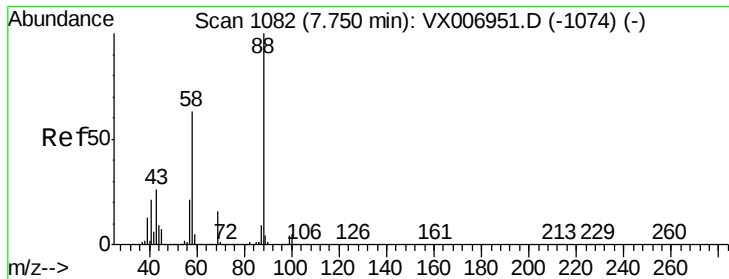
Ion Ratio Lower Upper

41 100

69 87.3 72.4 108.6

39 58.3 45.8 68.8





#49

1,4-Dioxane

Concen: 376.285 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. -0.00 min

Lab File: VX007267.D

Acq: 28 Jan 2019 18:12

Instrument :

MSVOA_X

ClientSampleId :

VX0128WBSD01

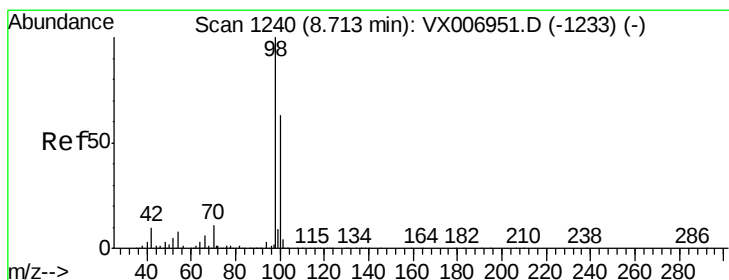
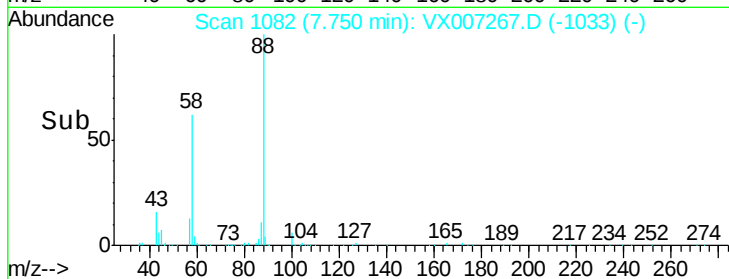
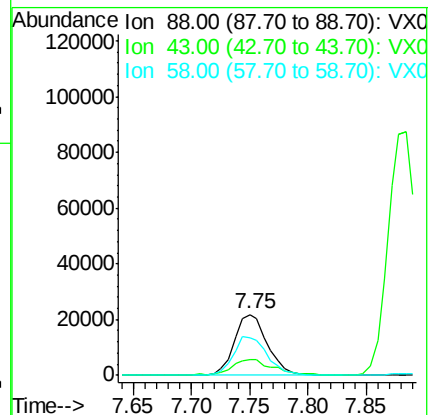
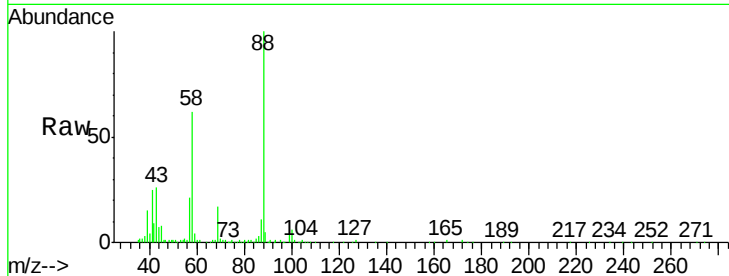
Tot Ion: 88 Resp: 43175

Ion	Ratio	Lower	Upper
88	100		
43	30.1	22.2	33.4
58	65.8	51.0	76.4

88 100

43 30.1 22.2 33.4

58 65.8 51.0 76.4



#50

Toluene-d8

Concen: 52.455 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007267.D

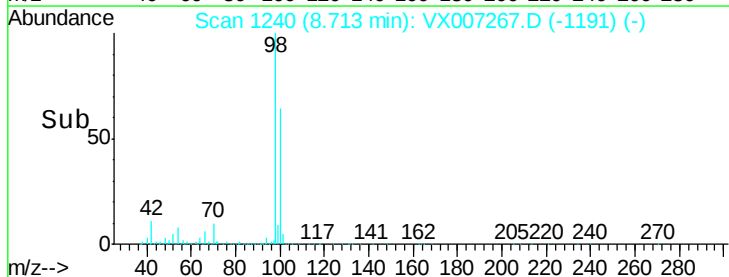
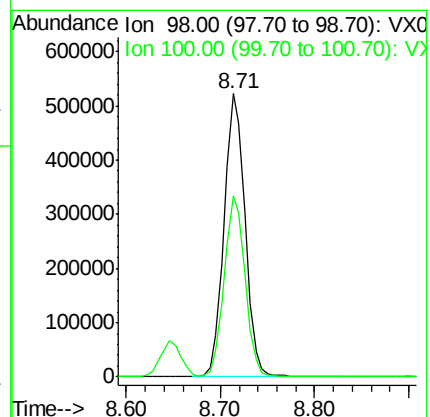
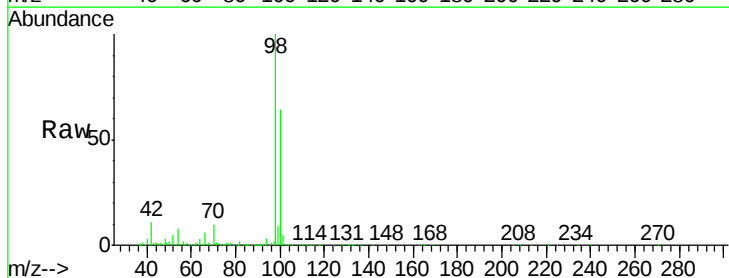
Acq: 28 Jan 2019 18:12

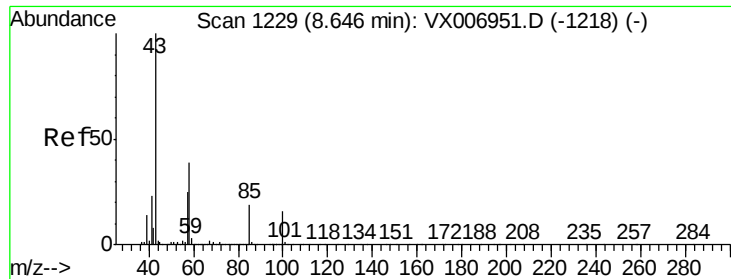
Tgt Ion: 98 Resp: 806729

Ion	Ratio	Lower	Upper
98	100		
100	63.6	52.0	78.0

98 100

100 63.6 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 103.124 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX007267.D

Acq: 28 Jan 2019 18:12

Instrument :

MSVOA_X

ClientSampleId :

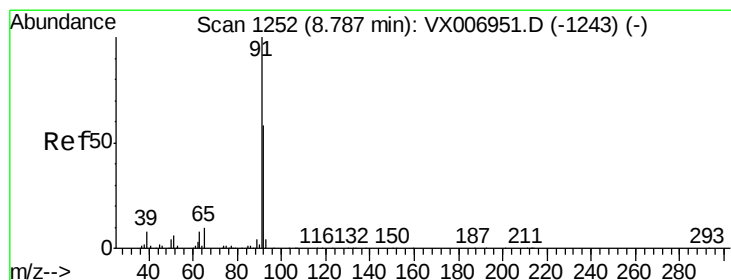
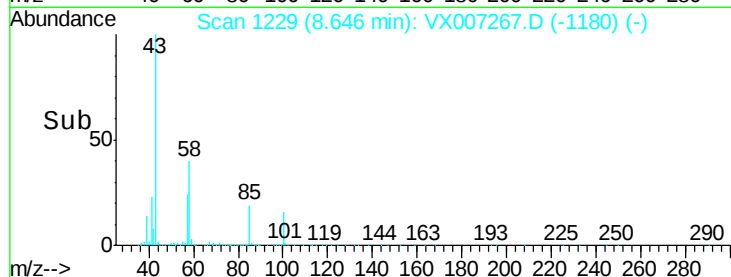
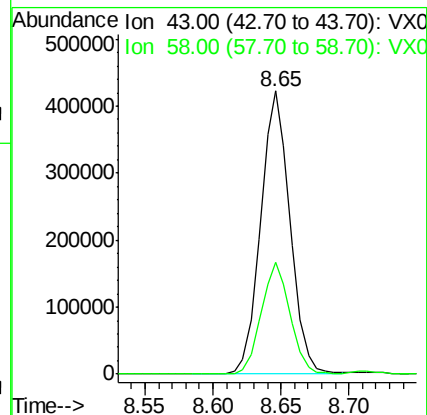
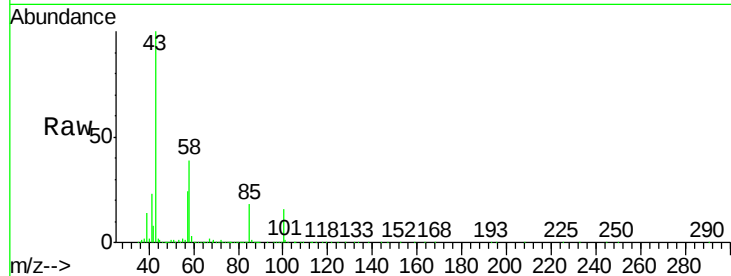
VX0128WBSD01

Tot Ion: 43 Resp: 639310

Ion Ratio Lower Upper

43 100

58 38.8 31.8 47.6



#52

Toluene

Concen: 18.558 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX007267.D

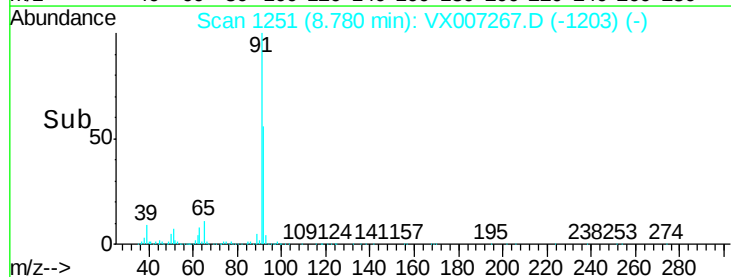
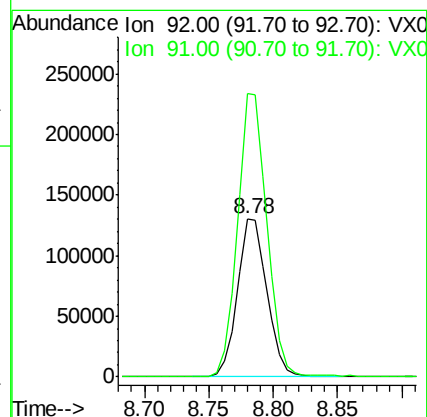
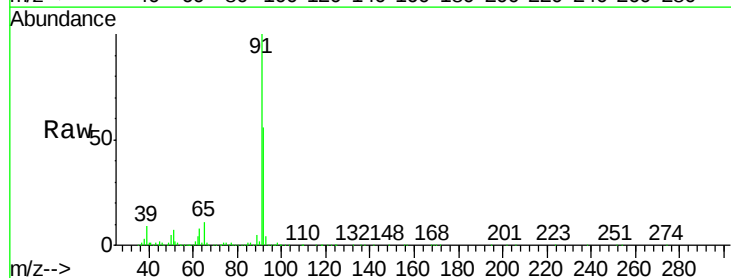
Acq: 28 Jan 2019 18:12

Tgt Ion: 92 Resp: 207615

Ion Ratio Lower Upper

92 100

91 178.5 137.6 206.4





#53

t-1,3-Dichloropropene

Concen: 18.313 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX007267.D

Acq: 28 Jan 2019 18:12

Instrument :

MSVOA_X

ClientSampleId :

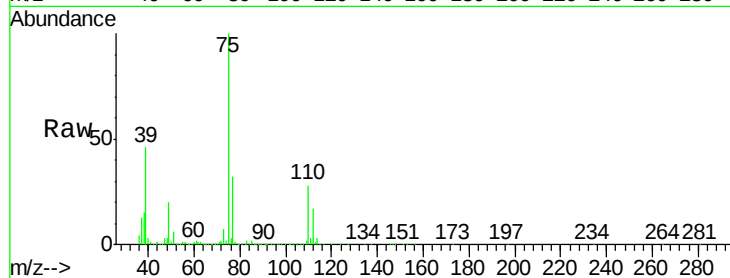
VX0128WBSD01

Tot Ion: 75 Resp: 106299

Ion Ratio Lower Upper

75 100

77 32.1 25.4 38.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

80000

60000

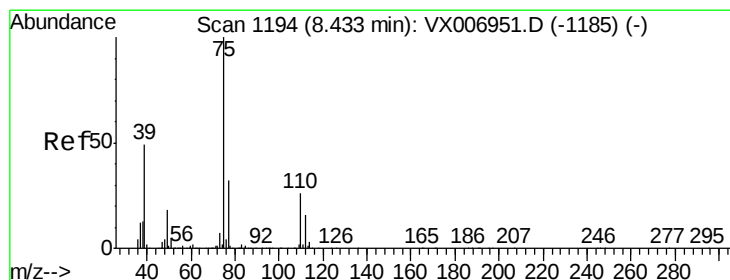
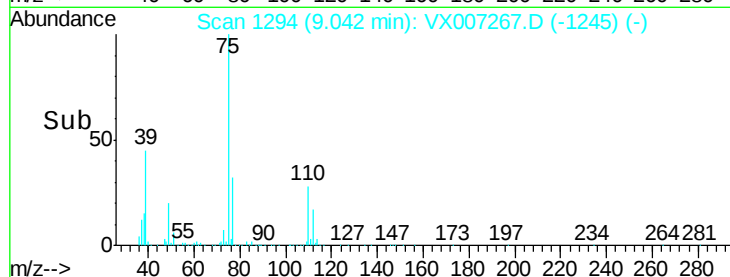
40000

20000

0

Time-->

8.95 9.00 9.05 9.10 9.15



#54

cis-1,3-Dichloropropene

Concen: 18.911 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX007267.D

Acq: 28 Jan 2019 18:12

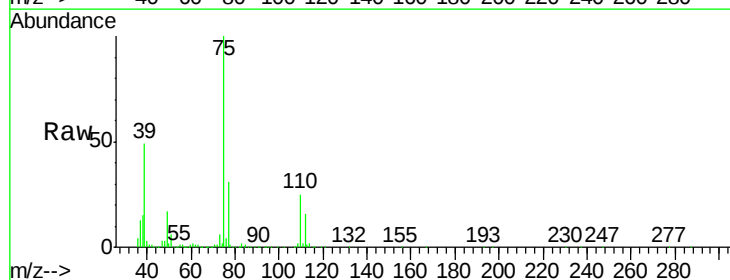
Tgt Ion: 75 Resp: 121224

Ion Ratio Lower Upper

75 100

77 31.2 26.2 39.2

39 48.5 36.7 55.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

100000

80000

60000

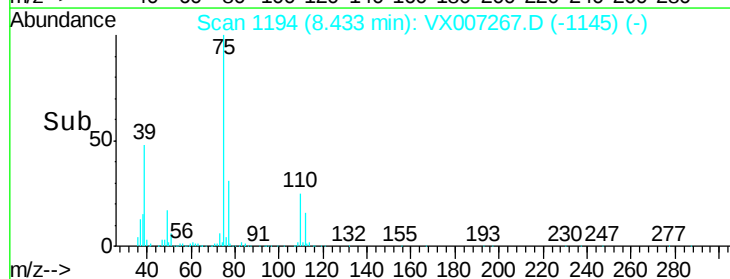
40000

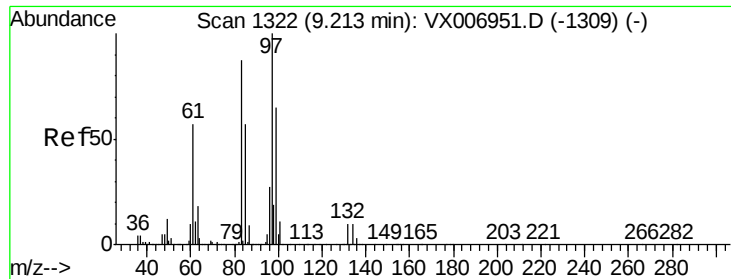
20000

0

Time-->

8.40 8.50

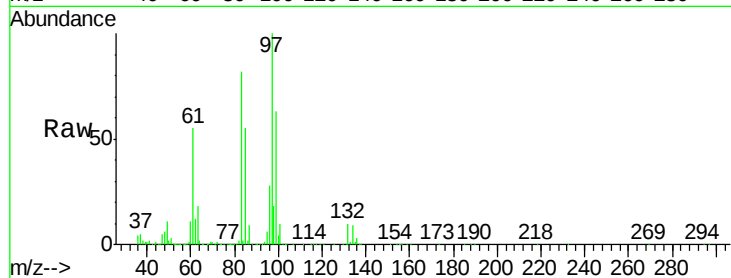




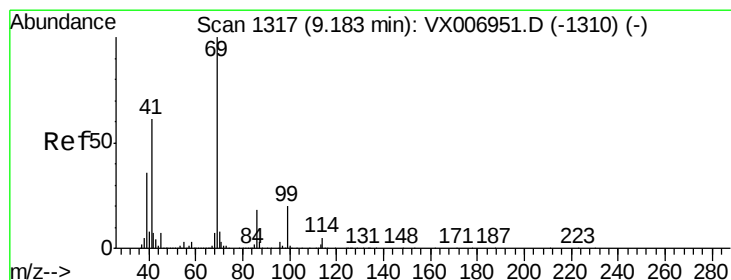
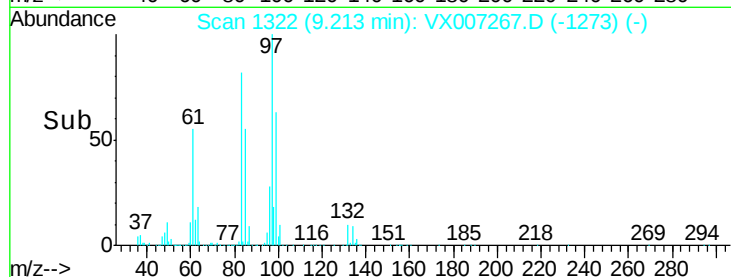
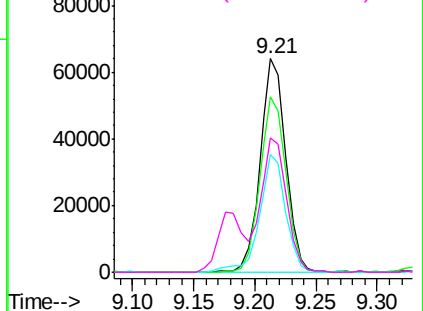
#55
 1,1,2-Trichloroethane
 Concen: 20.952 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX007267.D
 Acq: 28 Jan 2019 18:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0128WBSD01

Tot Ion:	97	Resp:	93821
Ion	Ratio	Lower	Upper
97	100		
83	82.3	66.6	99.8
85	55.1	42.7	64.1
99	63.1	50.8	76.2

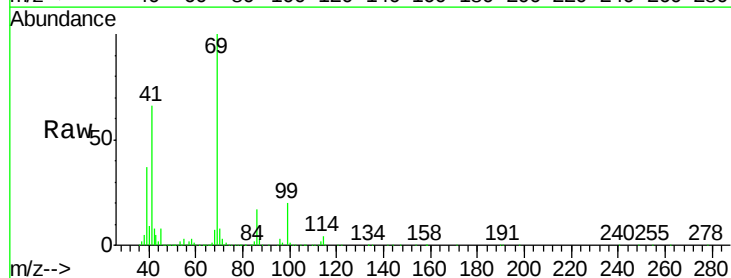


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

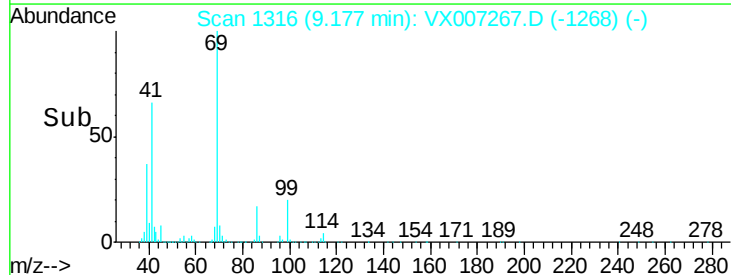
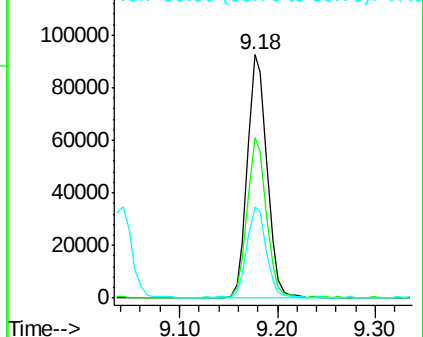


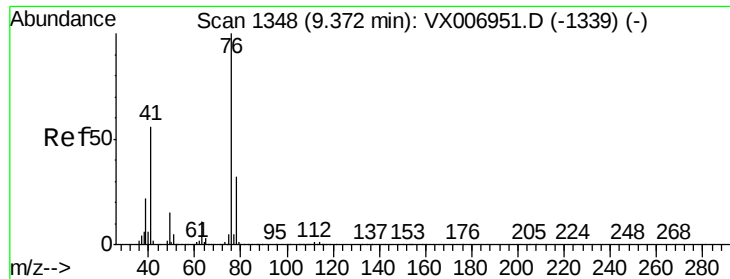
#56
 Ethyl methacrylate
 Concen: 19.822 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.01 min
 Lab File: VX007267.D
 Acq: 28 Jan 2019 18:12

Tgt Ion:	69	Resp:	129578
Ion	Ratio	Lower	Upper
69	100		
41	63.7	48.7	73.1
39	36.9	27.0	40.6



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





#57

1,3-Dichloropropane

Concen: 19.797 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX007267.D

Acq: 28 Jan 2019 18:12

Instrument :

MSVOA_X

ClientSampleId :

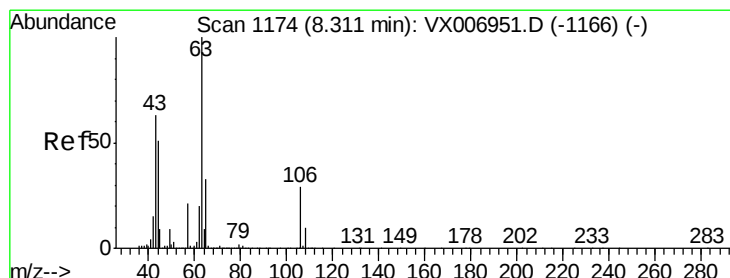
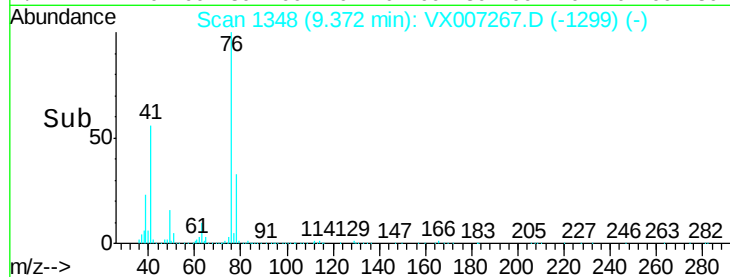
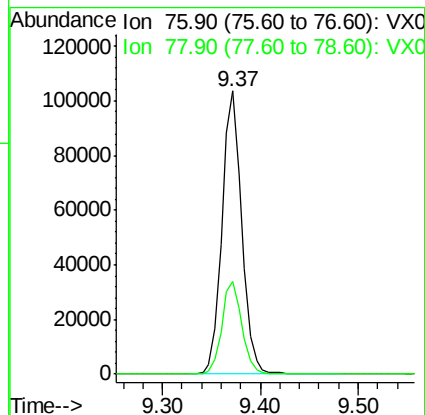
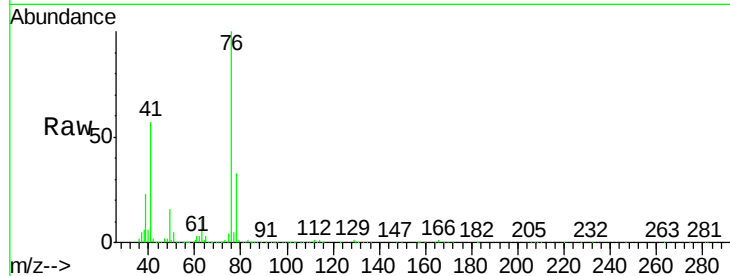
VX0128WBSD01

Tot Ion: 76 Resp: 145233

Ion Ratio Lower Upper

76 100

78 33.2 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 103.284 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX007267.D

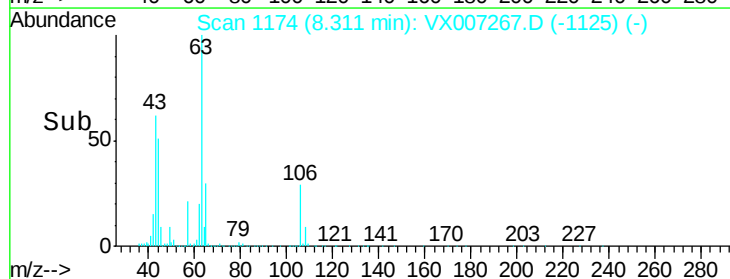
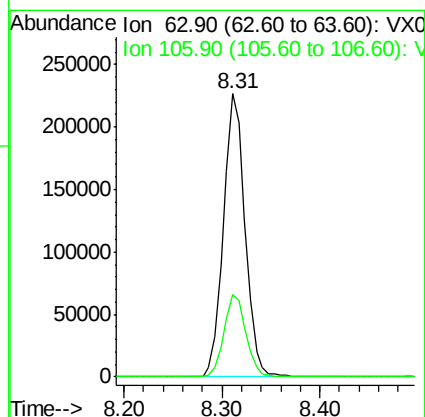
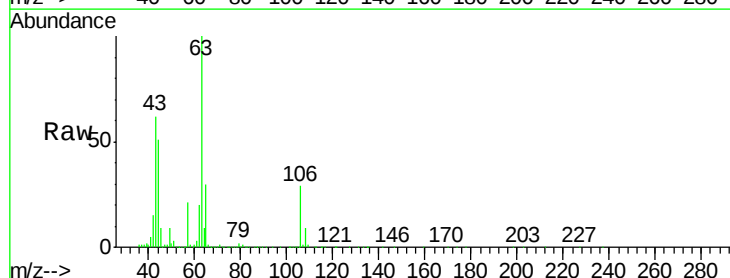
Acq: 28 Jan 2019 18:12

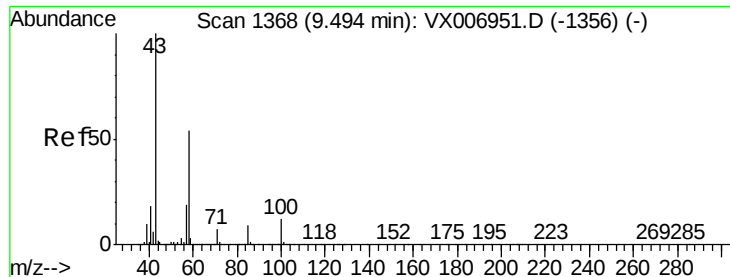
Tgt Ion: 63 Resp: 347147

Ion Ratio Lower Upper

63 100

106 29.7 24.6 36.8

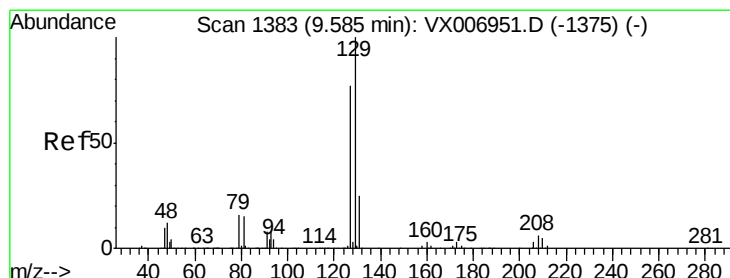
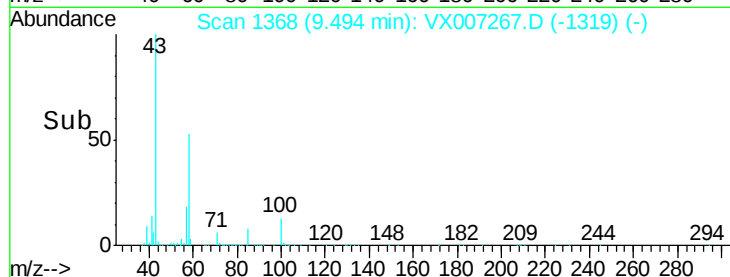
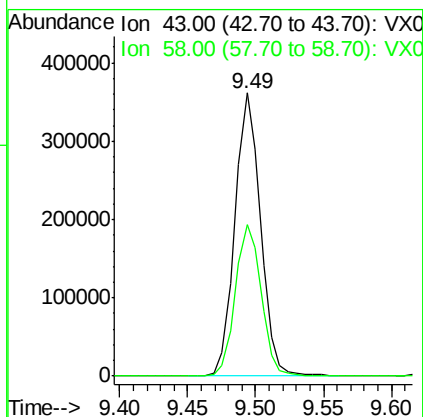
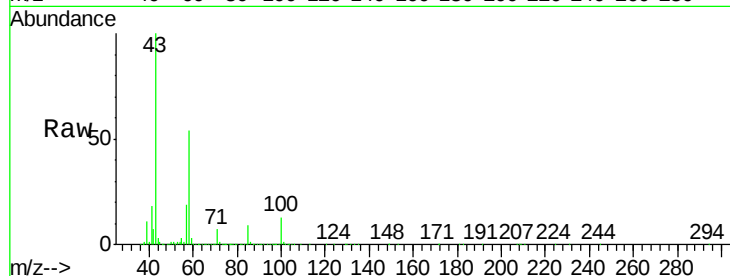




#59
2-Hexanone
Concen: 100.281 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX007267.D
Acq: 28 Jan 2019 18:12

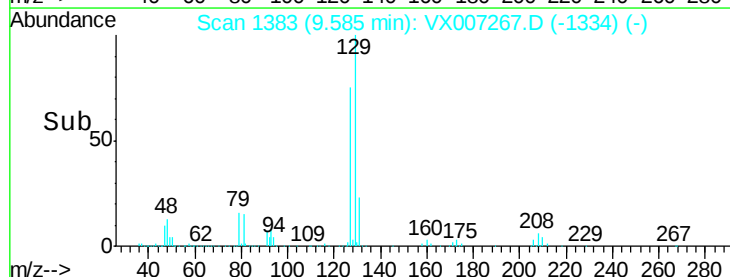
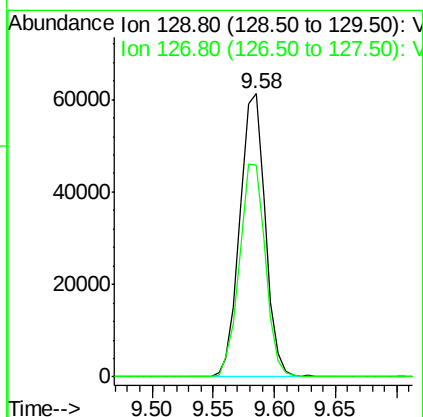
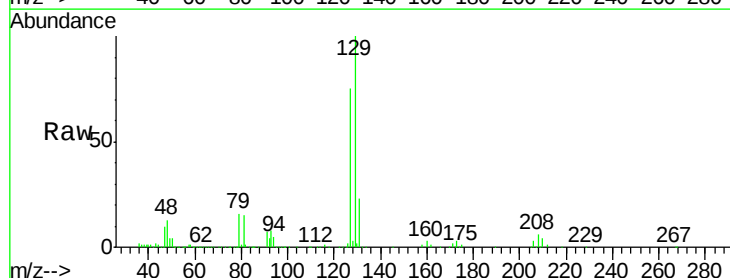
Instrument :
MSVOA_X
ClientSampleId :
VX0128WBSD01

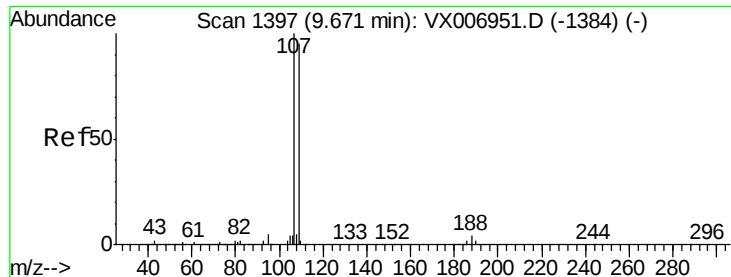
Tot Ion: 43 Resp: 473759
Ion Ratio Lower Upper
43 100
58 54.4 27.7 83.1



#60
Dibromochloromethane
Concen: 20.275 ug/l
RT: 9.58 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX007267.D
Acq: 28 Jan 2019 18:12

Tgt Ion: 129 Resp: 88159
Ion Ratio Lower Upper
129 100
127 76.8 39.3 117.8





#61

1,2-Dibromoethane

Concen: 19.559 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX007267.D

Acq: 28 Jan 2019 18:12

Instrument :

MSVOA_X

ClientSampleId :

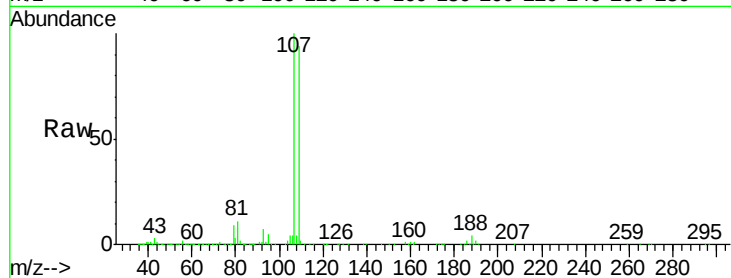
VX0128WBSD01

Tot Ion:107 Resp: 96418

Ion Ratio Lower Upper

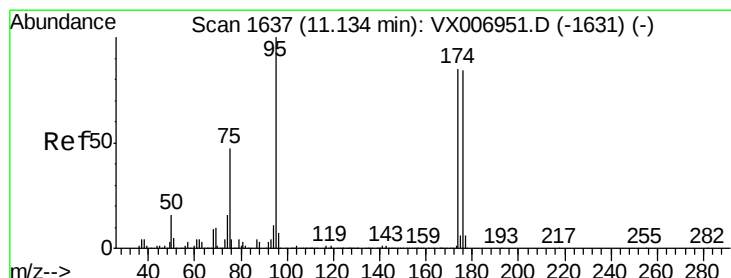
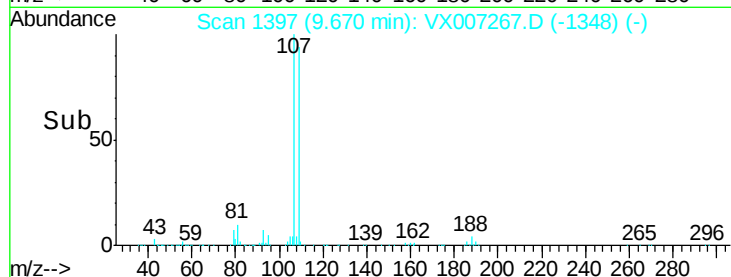
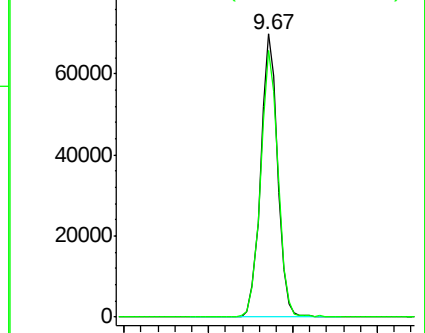
107 100

109 96.7 75.8 113.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 53.466 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007267.D

Acq: 28 Jan 2019 18:12

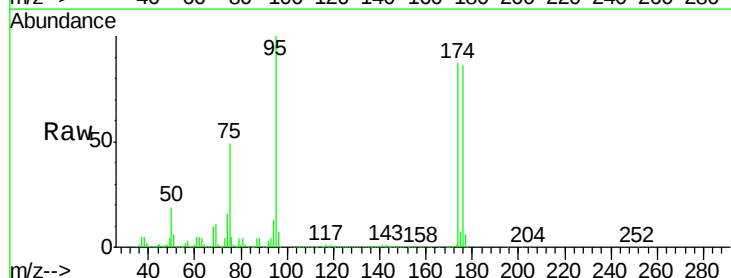
Tgt Ion: 95 Resp: 286667

Ion Ratio Lower Upper

95 100

174 95.3 0.0 182.2

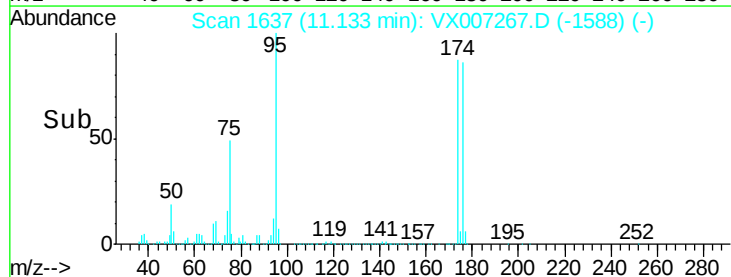
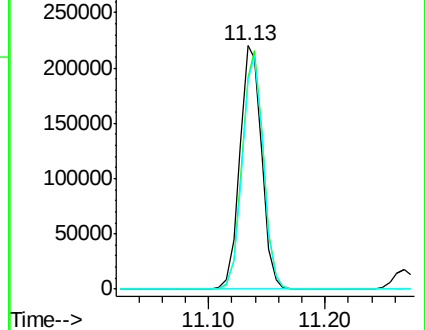
176 92.8 0.0 178.8

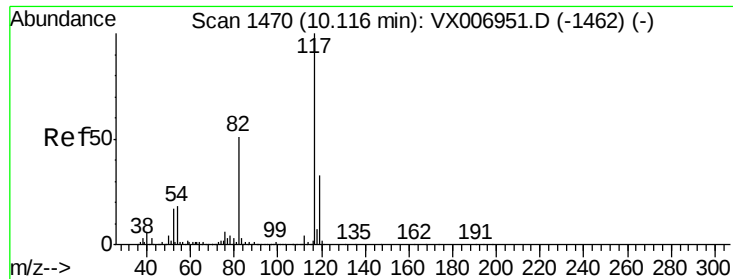


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

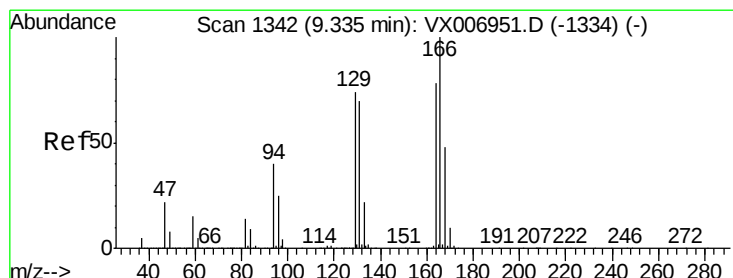
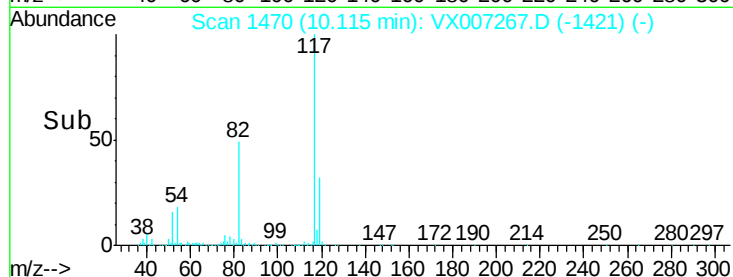
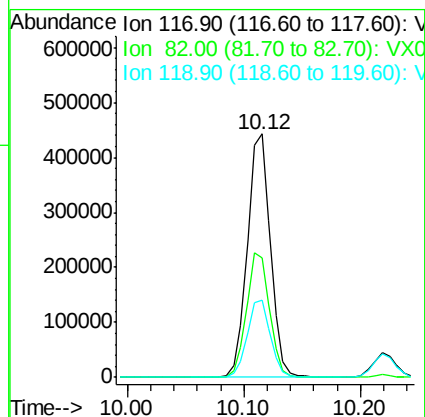
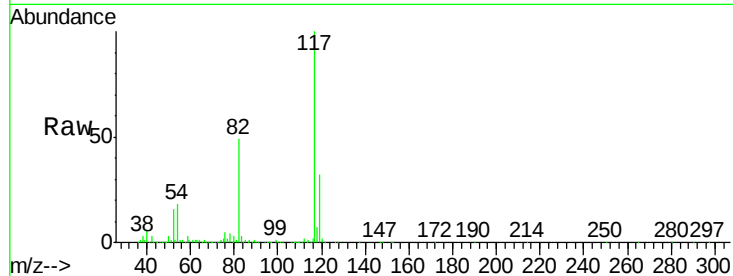




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX007267.D
Acq: 28 Jan 2019 18:12

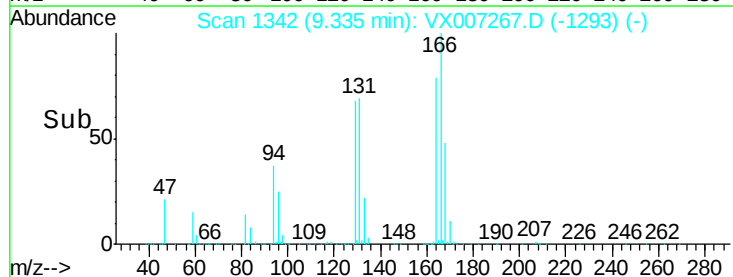
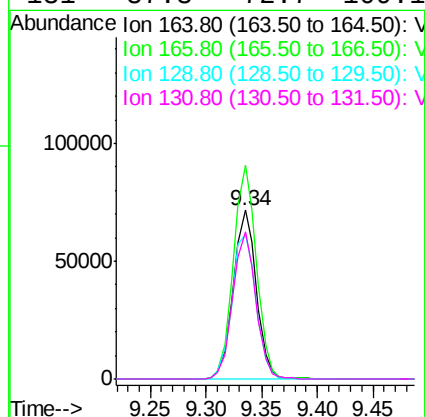
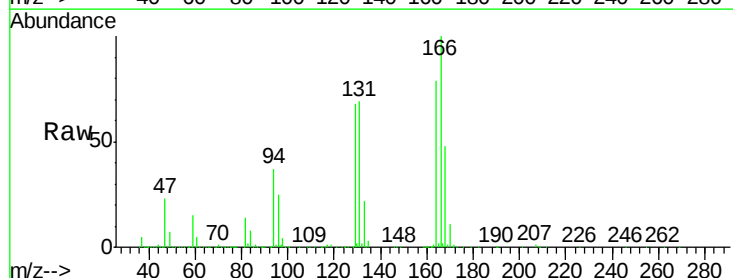
Instrument :
MSVOA_X
ClientSampleId :
VX0128WBSD01

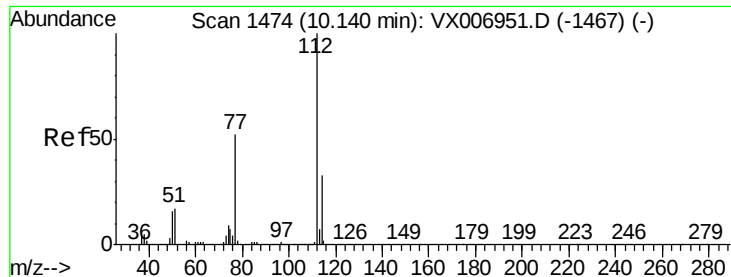
Tot Ion:117 Resp: 612713
Ion Ratio Lower Upper
117 100
82 49.1 41.0 61.6
119 31.6 25.4 38.0



#64
Tetrachloroethene
Concen: 19.372 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX007267.D
Acq: 28 Jan 2019 18:12

Tgt Ion:164 Resp: 102764
Ion Ratio Lower Upper
164 100
166 126.5 102.5 153.7
129 85.5 75.1 112.7
131 87.3 72.7 109.1





#65

Chlorobenzene

Concen: 18.915 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX007267.D

Acq: 28 Jan 2019 18:12

Instrument :

MSVOA_X

ClientSampleId :

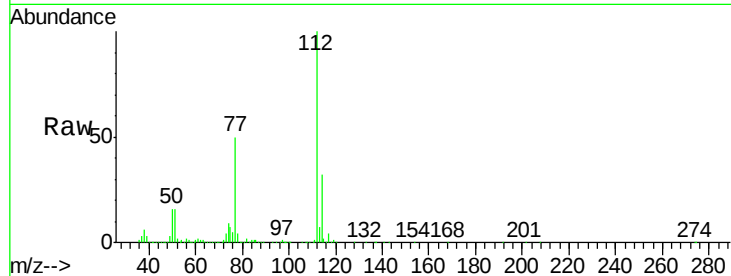
VX0128WBSD01

Tot Ion:112 Resp: 252773

Ion Ratio Lower Upper

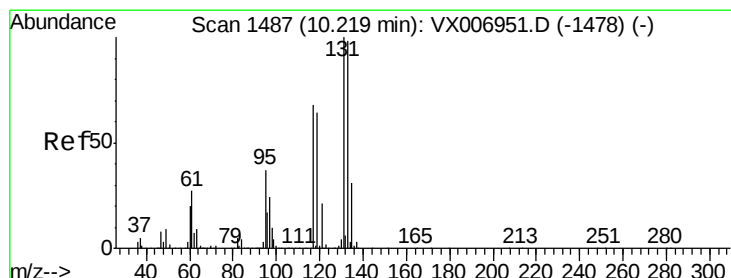
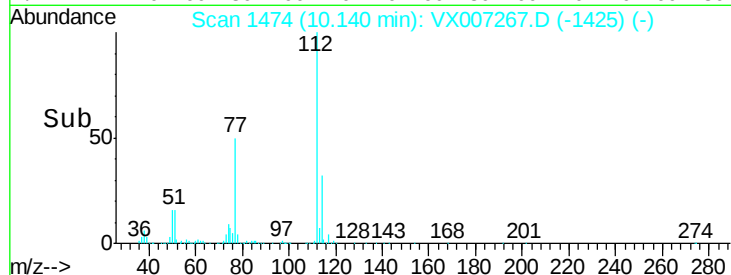
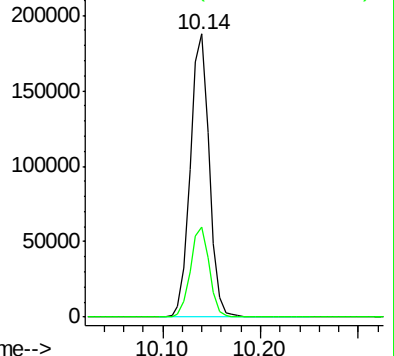
112 100

114 31.9 25.7 38.5



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.649 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX007267.D

Acq: 28 Jan 2019 18:12

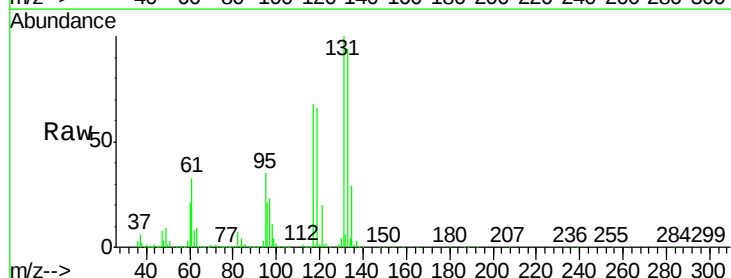
Tgt Ion:131 Resp: 88331

Ion Ratio Lower Upper

131 100

133 93.6 48.0 144.2

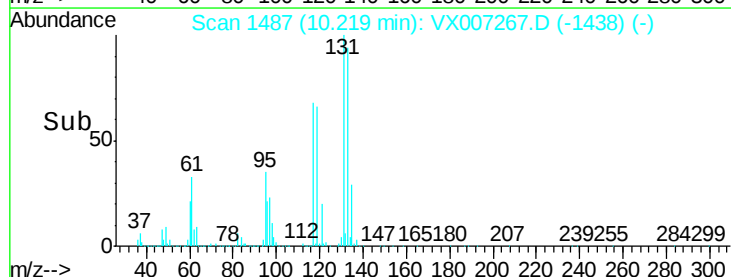
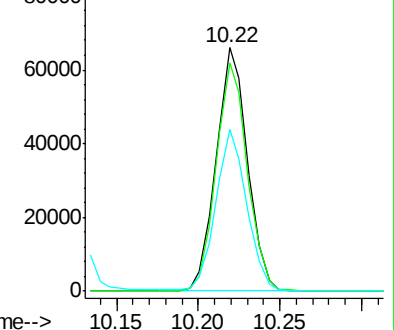
119 66.1 32.6 97.8

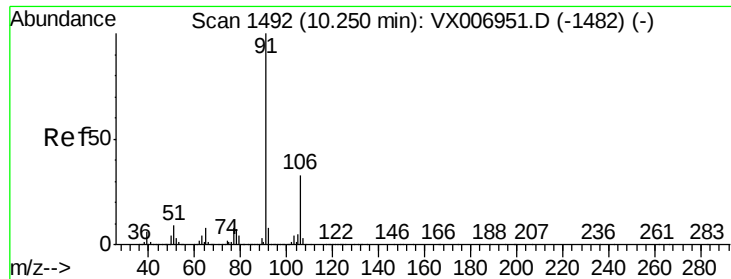


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 18.215 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX007267.D

Acq: 28 Jan 2019 18:12

Instrument :

MSVOA_X

ClientSampleId :

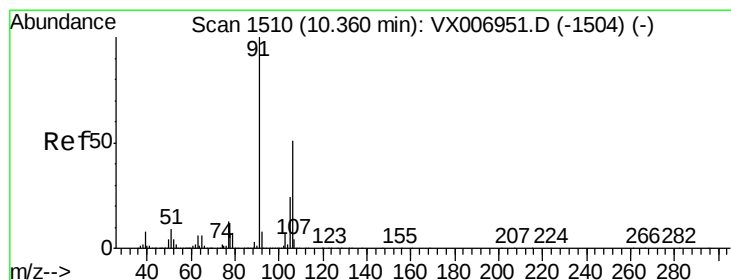
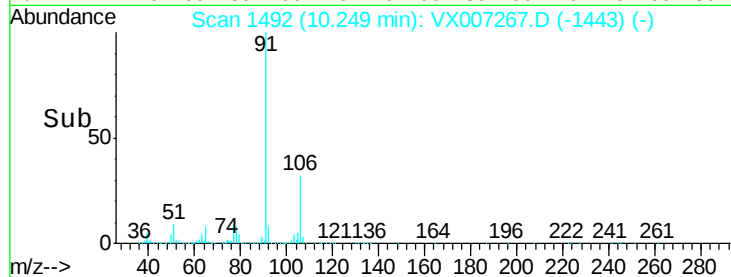
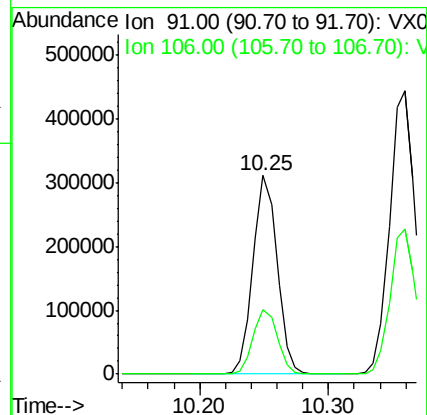
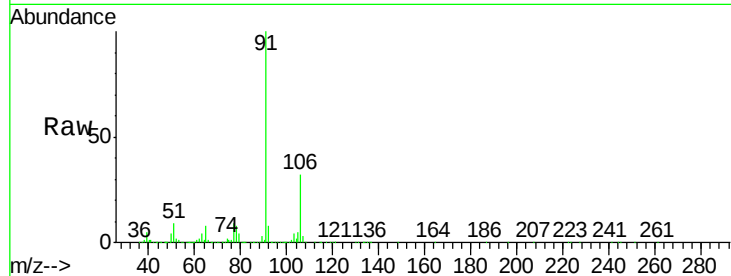
VX0128WBSD01

Tot Ion: 91 Resp: 401850

Ion Ratio Lower Upper

91 100

106 32.4 26.4 39.6



#68

m/p-Xylenes

Concen: 36.059 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX007267.D

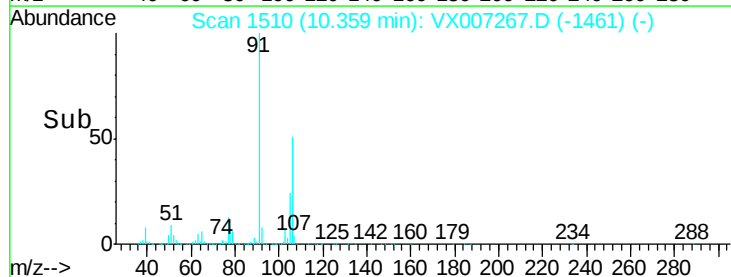
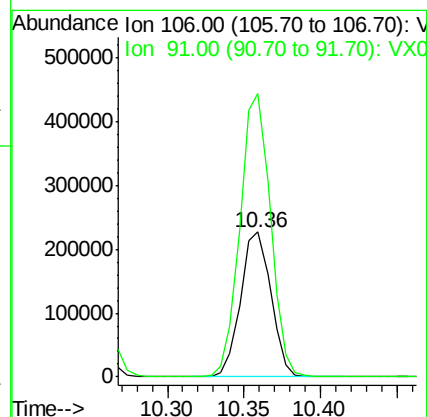
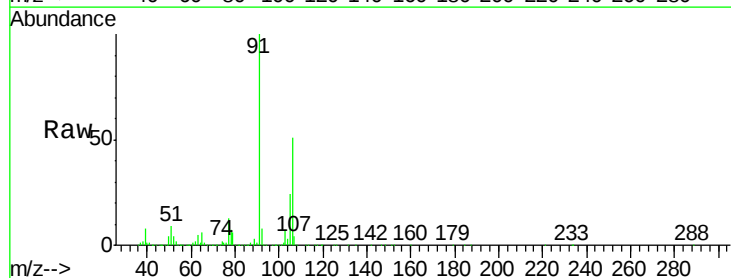
Acq: 28 Jan 2019 18:12

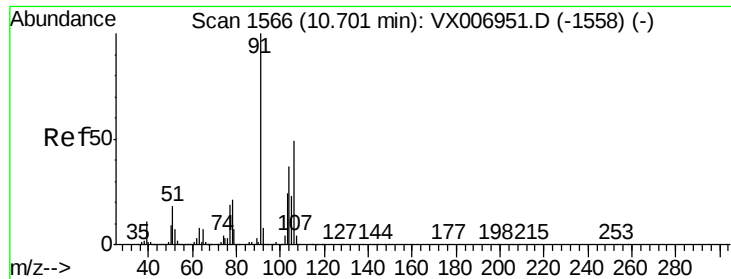
Tgt Ion: 106 Resp: 313427

Ion Ratio Lower Upper

106 100

91 195.4 155.8 233.6

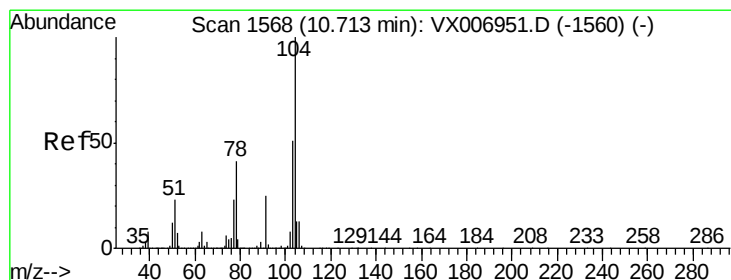
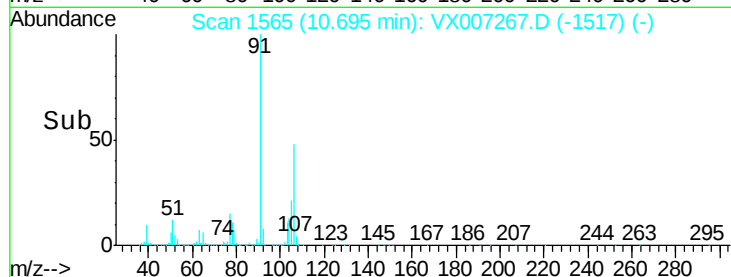
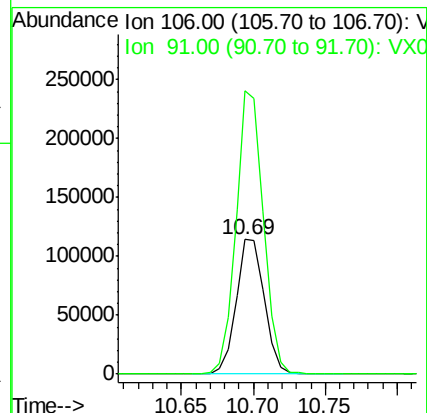
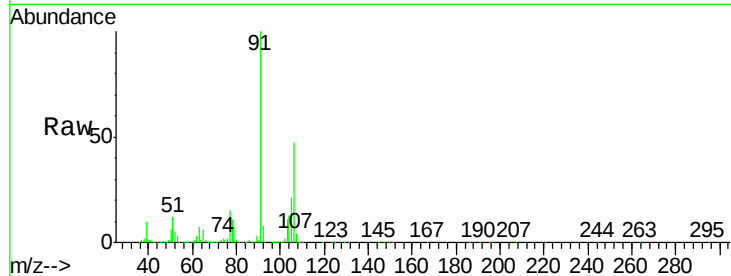




#69
o-Xylene
Concen: 18.462 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX007267.D
Acq: 28 Jan 2019 18:12

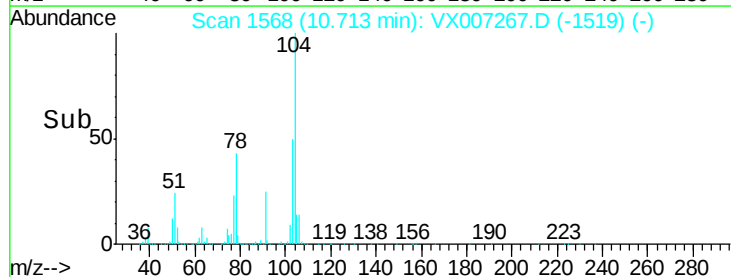
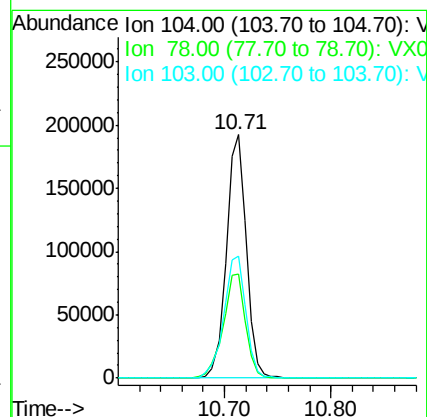
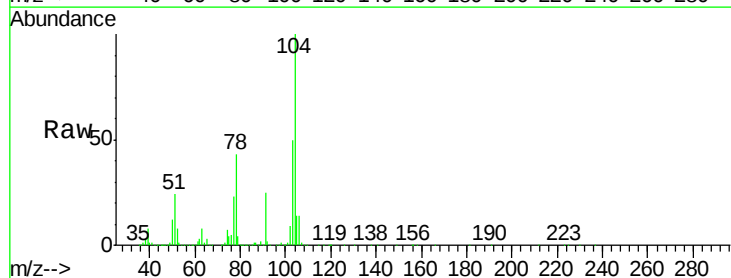
Instrument :
MSVOA_X
ClientSampled :
VX0128WBSD01

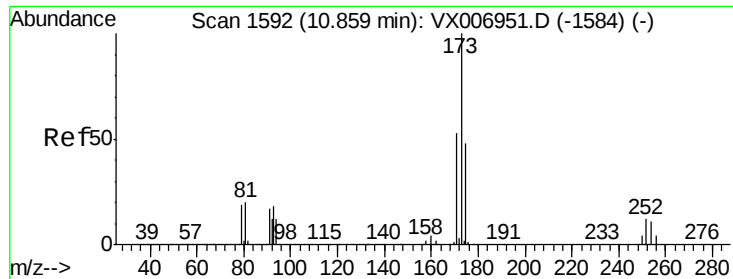
Tot Ion:106 Resp: 156499
Ion Ratio Lower Upper
106 100
91 204.2 101.3 303.7



#70
Styrene
Concen: 18.743 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX007267.D
Acq: 28 Jan 2019 18:12

Tgt Ion:104 Resp: 251641
Ion Ratio Lower Upper
104 100
78 47.7 37.7 56.5
103 55.2 43.8 65.8





#71

Bromoform

Concen: 19.218 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX007267.D

Acq: 28 Jan 2019 18:12

Instrument :

MSVOA_X

ClientSampleId :

VX0128WBSD01

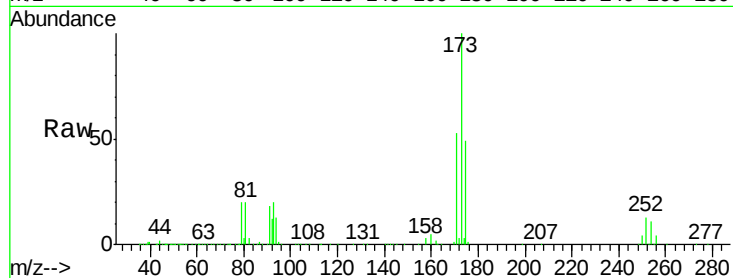
Tot Ion:173 Resp: 64368

Ion Ratio Lower Upper

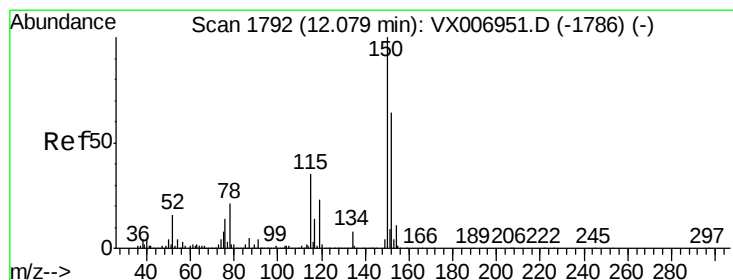
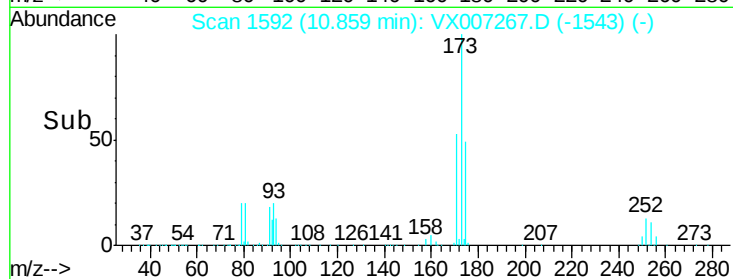
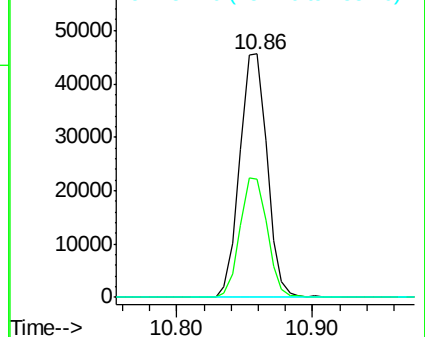
173 100

175 48.7 24.7 74.1

254 0.1 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX007267.D

Acq: 28 Jan 2019 18:12

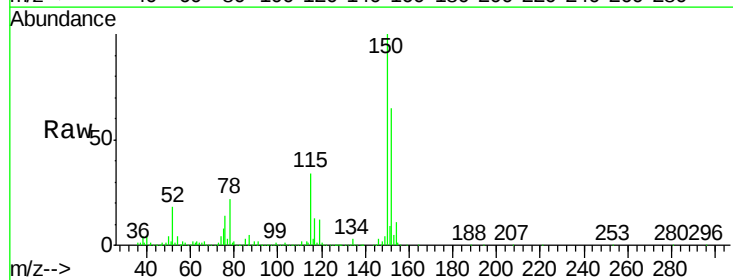
Tgt Ion:152 Resp: 317553

Ion Ratio Lower Upper

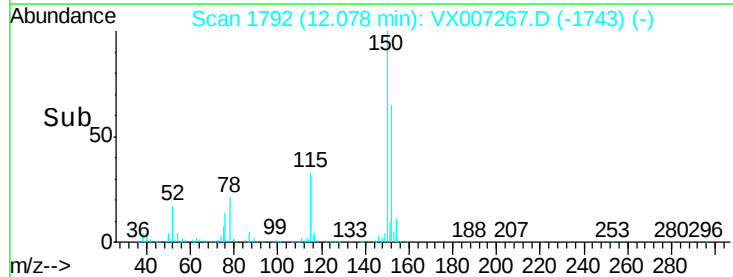
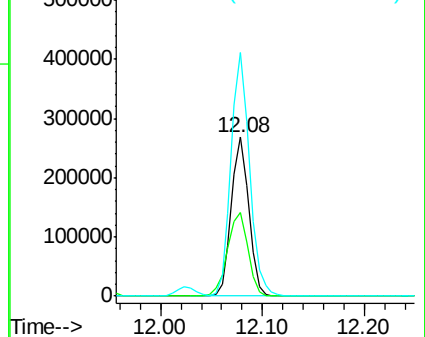
152 100

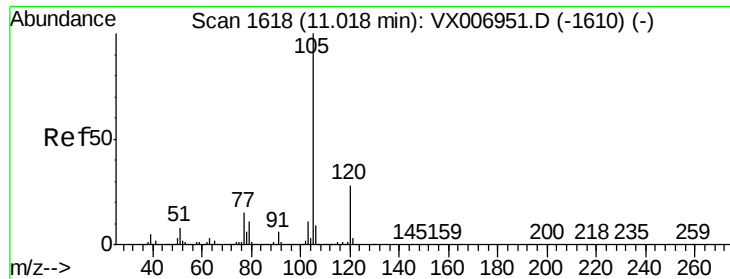
115 61.5 39.1 117.2

150 161.6 0.0 344.8



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: 18.605 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX007267.D

Acq: 28 Jan 2019 18:12

Instrument :

MSVOA_X

ClientSampleId :

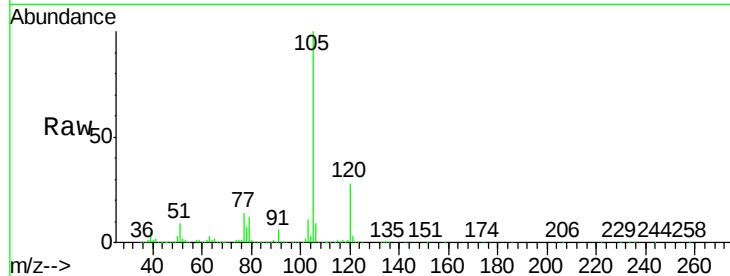
VX0128WBSD01

Tot Ion:105 Resp: 416610

Ion Ratio Lower Upper

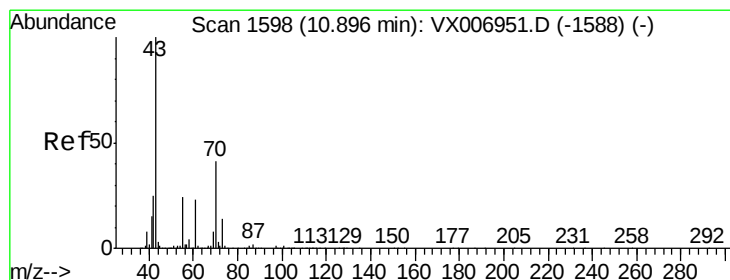
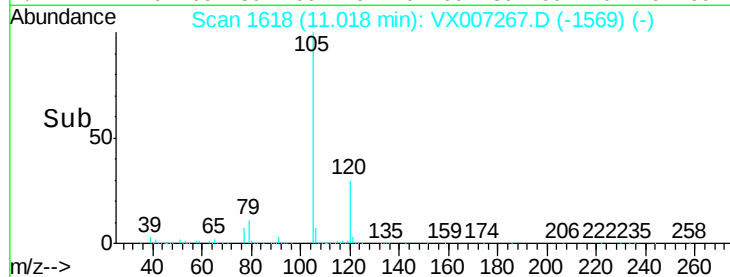
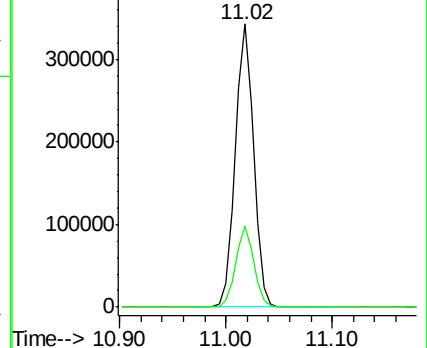
105 100

120 28.2 14.1 42.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.090 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX007267.D

Acq: 28 Jan 2019 18:12

Tgt Ion: 43 Resp: 163091

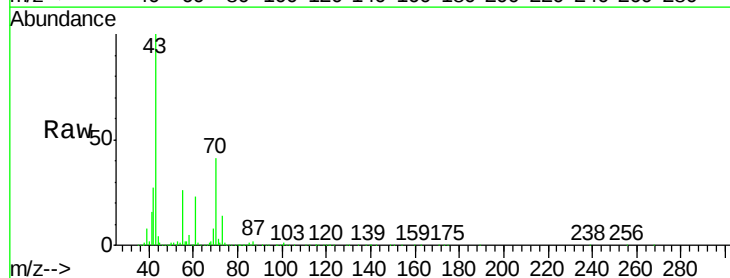
Ion Ratio Lower Upper

43 100

70 42.8 35.8 53.8

55 25.9 19.4 29.0

61 25.3 20.1 30.1

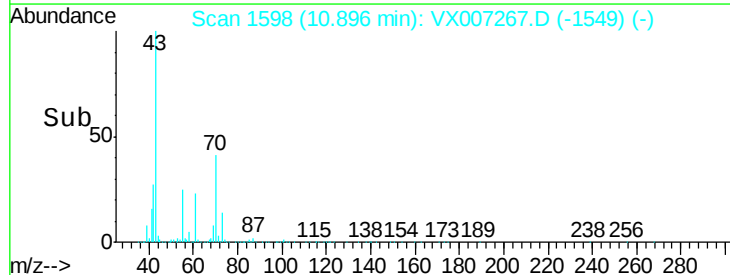
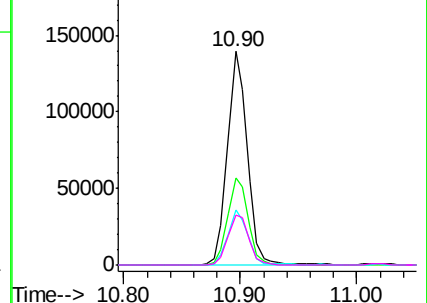


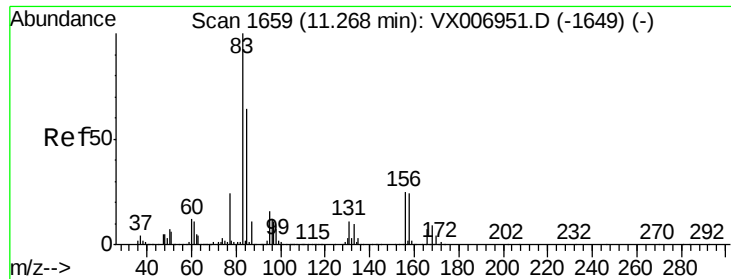
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.191 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX007267.D

Acq: 28 Jan 2019 18:12

Instrument :

MSVOA_X

ClientSampleId :

VX0128WBSD01

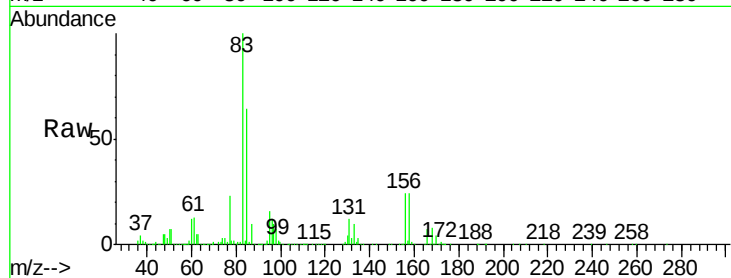
Tot Ion: 83 Resp: 136426

Ion Ratio Lower Upper

83 100

131 11.3 5.7 17.1

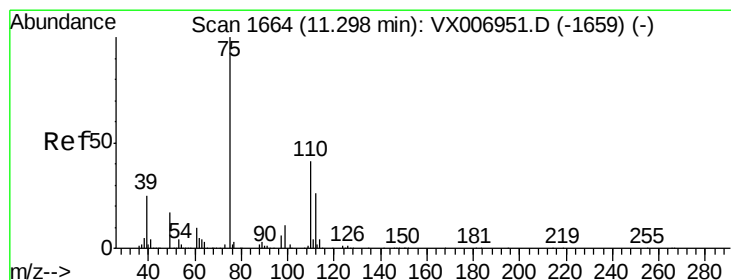
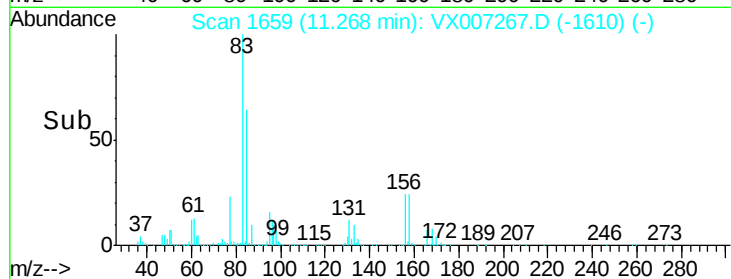
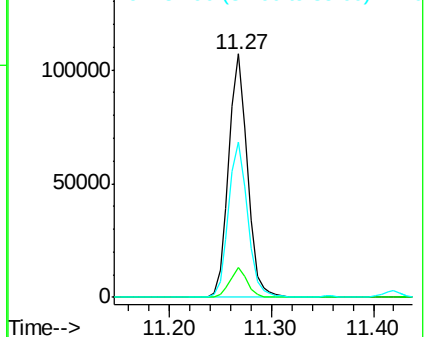
85 65.2 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 22.566 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. -0.01 min

Lab File: VX007267.D

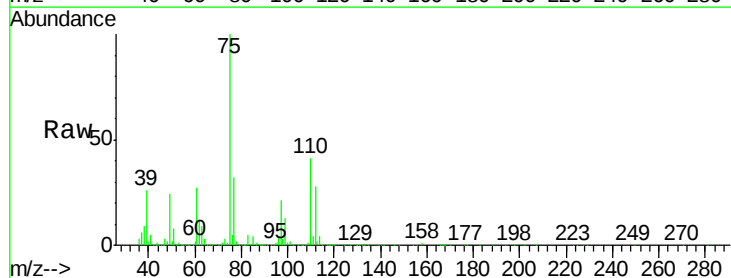
Acq: 28 Jan 2019 18:12

Tgt Ion: 75 Resp: 145217

Ion Ratio Lower Upper

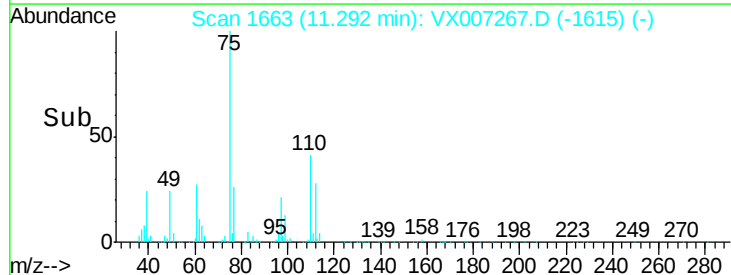
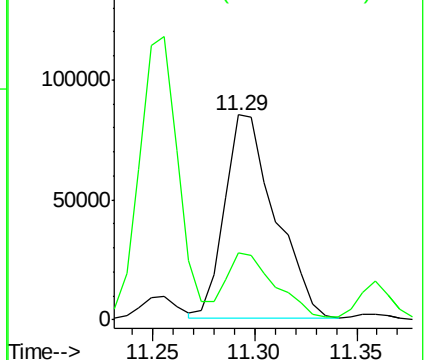
75 100

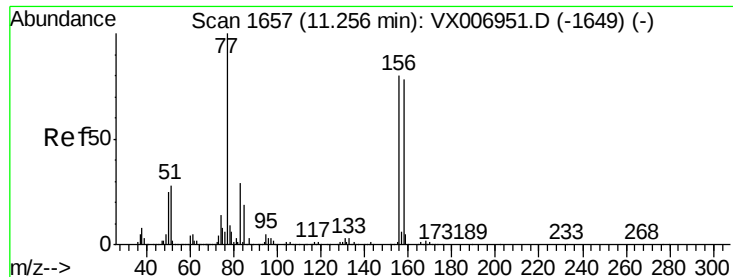
77 31.6 18.5 55.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 18.767 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX007267.D

Acq: 28 Jan 2019 18:12

Instrument :

MSVOA_X

ClientSampleId :

VX0128WBSD01

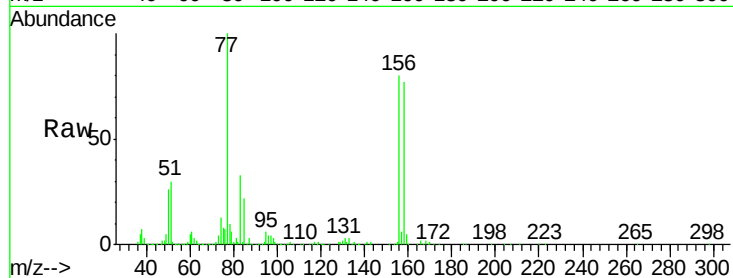
Tot Ion:156 Resp: 115789

Ion Ratio Lower Upper

156 100

77 133.1 68.0 204.0

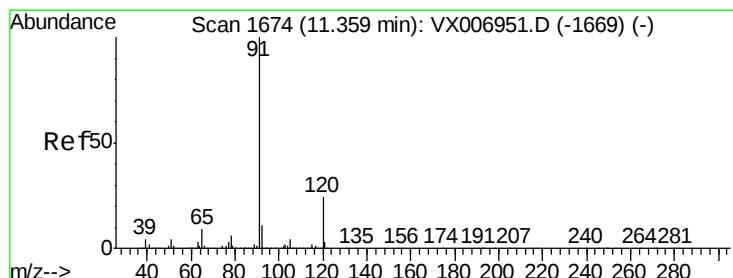
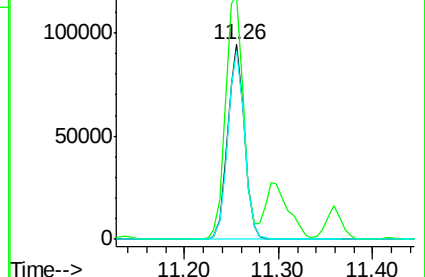
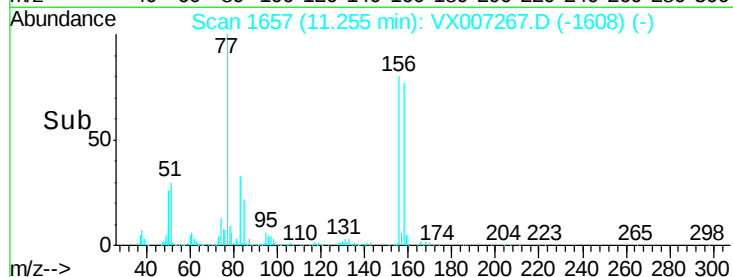
158 97.1 48.3 144.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.552 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX007267.D

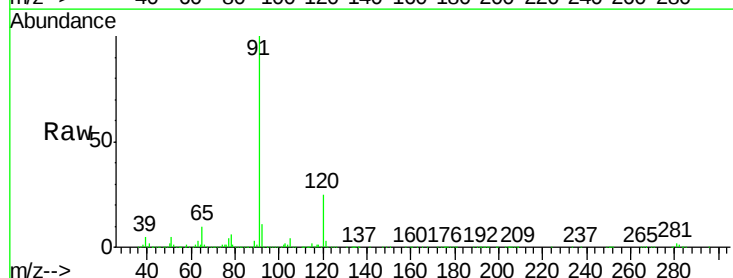
Acq: 28 Jan 2019 18:12

Tgt Ion: 91 Resp: 456029

Ion Ratio Lower Upper

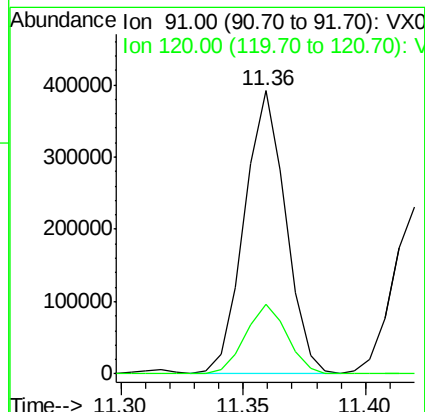
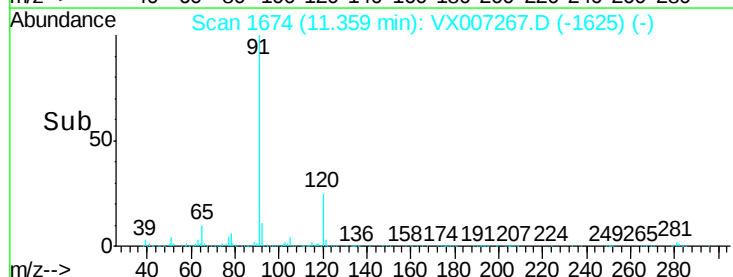
91 100

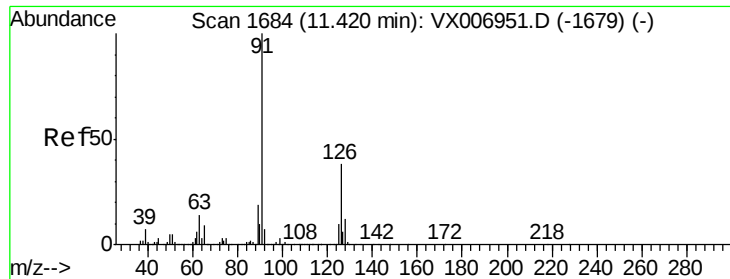
120 25.0 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

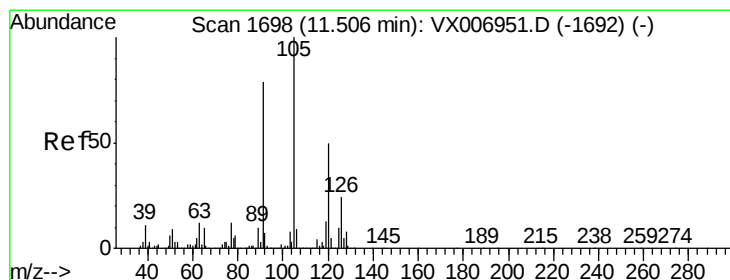
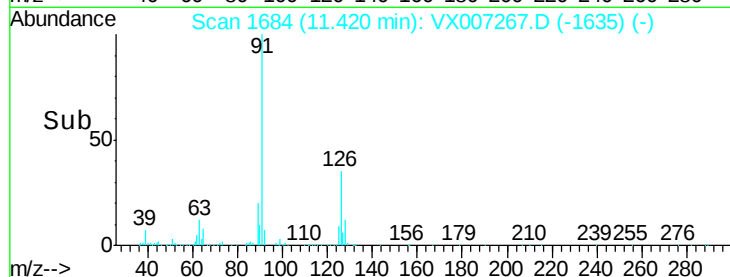
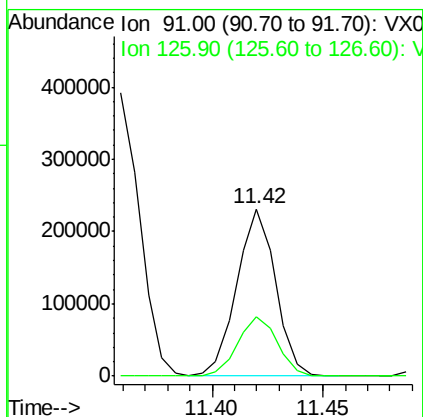
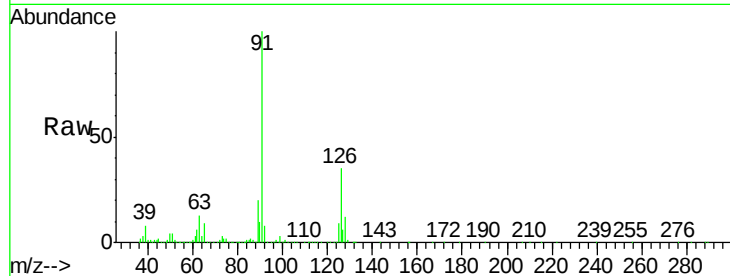




#79
 2-Chlorotoluene
 Concen: 18.878 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX007267.D
 Acq: 28 Jan 2019 18:12

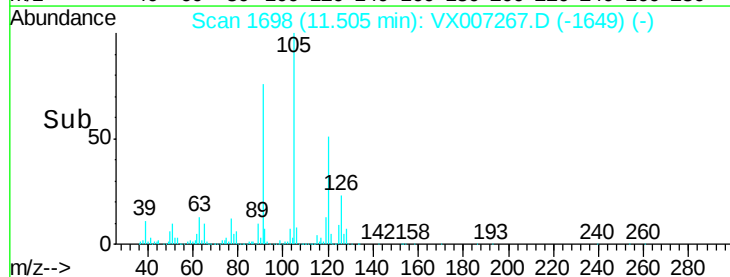
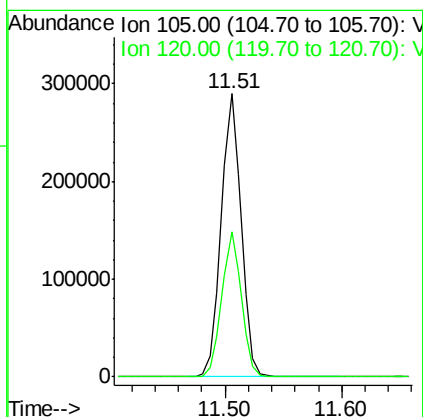
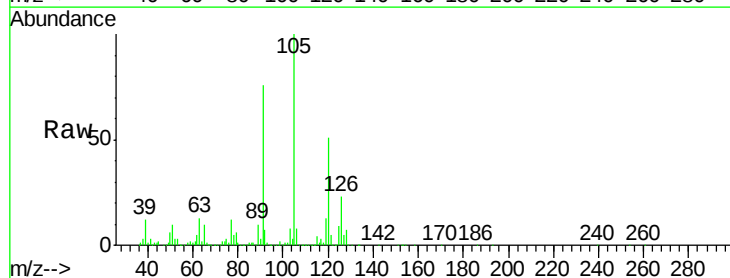
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0128WBSD01

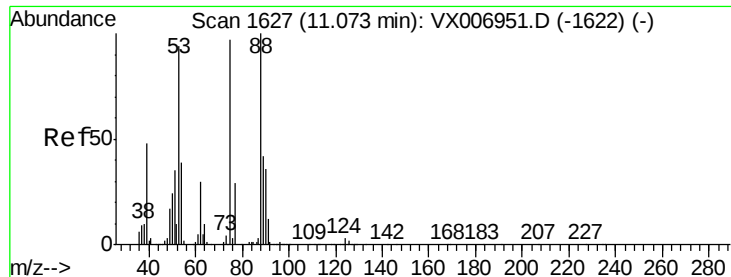
Tot Ion: 91 Resp: 279346
 Ion Ratio Lower Upper
 91 100
 126 37.0 18.6 56.0



#80
 1,3,5-Trimethylbenzene
 Concen: 18.277 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX007267.D
 Acq: 28 Jan 2019 18:12

Tgt Ion: 105 Resp: 341965
 Ion Ratio Lower Upper
 105 100
 120 50.1 25.1 75.3





#81

trans-1,4-Dichloro-2-butene

Concen: 16.891 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX007267.D

Acq: 28 Jan 2019 18:12

Instrument :

MSVOA_X

ClientSampleId :

VX0128WBSD01

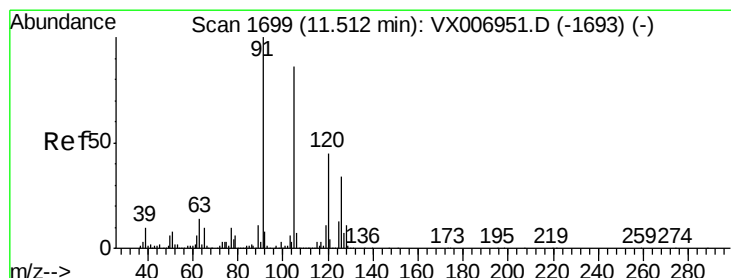
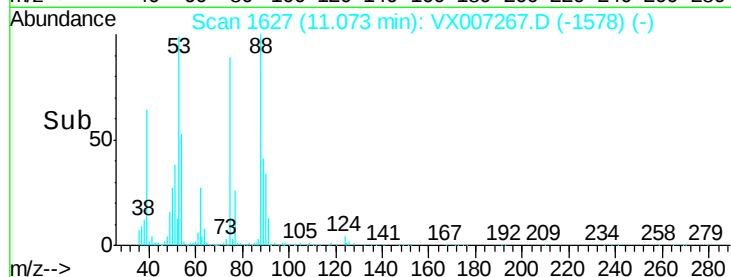
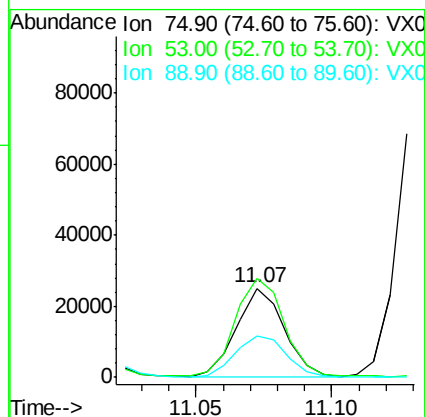
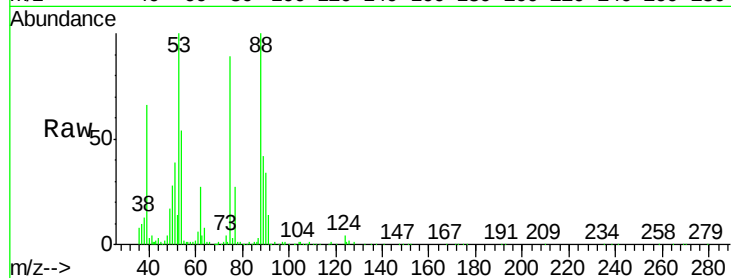
Tot Ion: 75 Resp: 30239

Ion Ratio Lower Upper

75 100

53 115.8 79.7 119.5

89 49.6 38.0 57.0



#82

4-Chlorotoluene

Concen: 18.387 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX007267.D

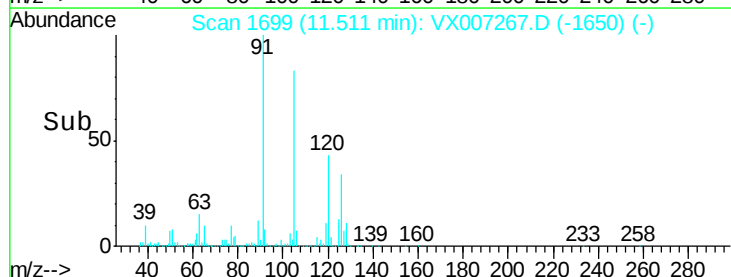
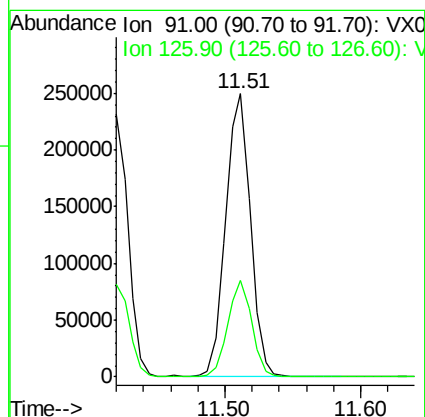
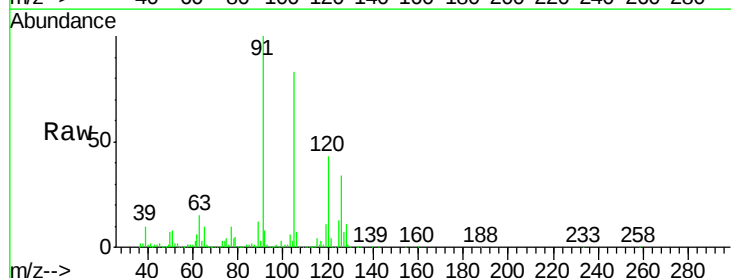
Acq: 28 Jan 2019 18:12

Tgt Ion: 91 Resp: 315025

Ion Ratio Lower Upper

91 100

126 33.0 16.3 48.9





#83

tert-Butylbenzene

Concen: 18.197 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX007267.D

Acq: 28 Jan 2019 18:12

Instrument :

MSVOA_X

ClientSampleId :

VX0128WBSD01

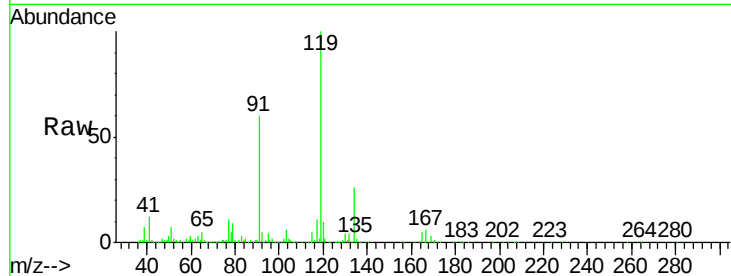
Tot Ion:119 Resp: 339693

Ion Ratio Lower Upper

119 100

91 56.6 27.7 83.1

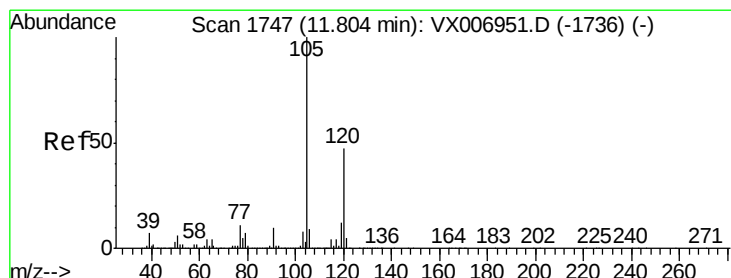
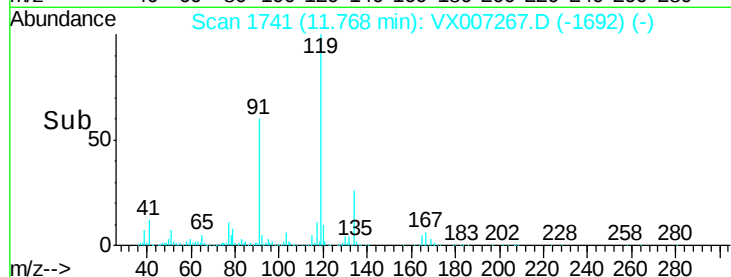
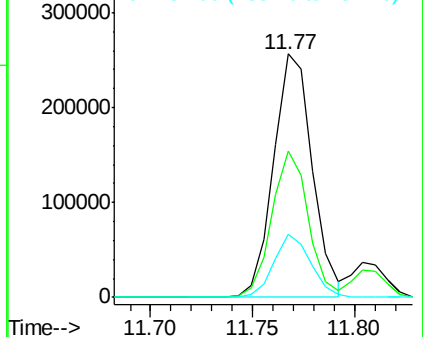
134 24.6 11.9 35.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 18.834 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX007267.D

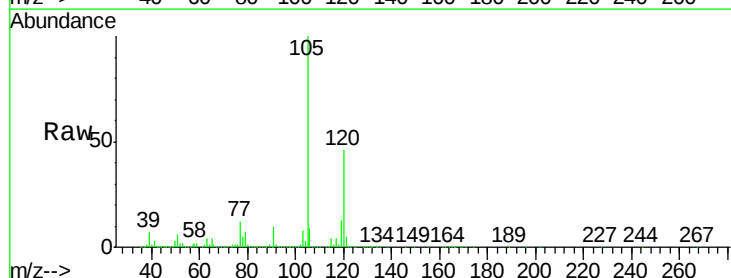
Acq: 28 Jan 2019 18:12

Tgt Ion:105 Resp: 354349

Ion Ratio Lower Upper

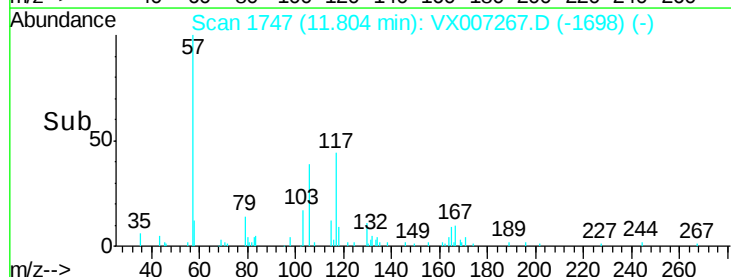
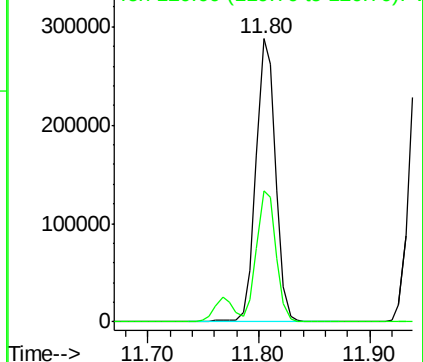
105 100

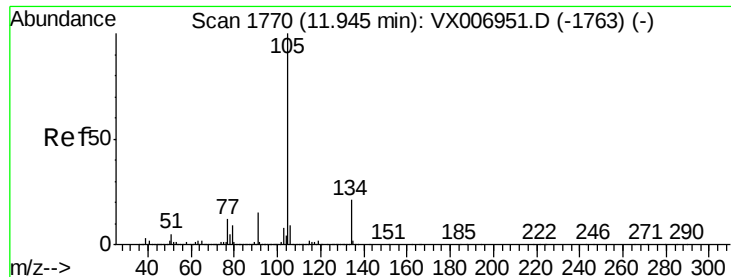
120 46.0 23.2 69.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 18.440 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX007267.D

Acq: 28 Jan 2019 18:12

Instrument :

MSVOA_X

ClientSampleId :

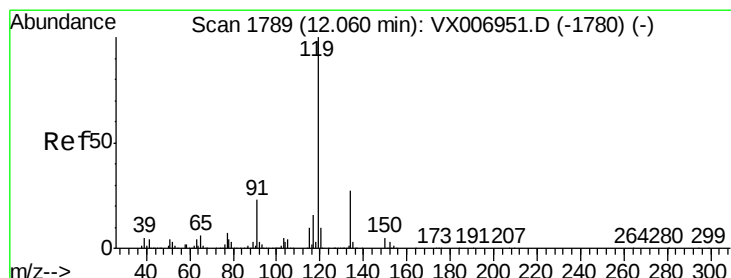
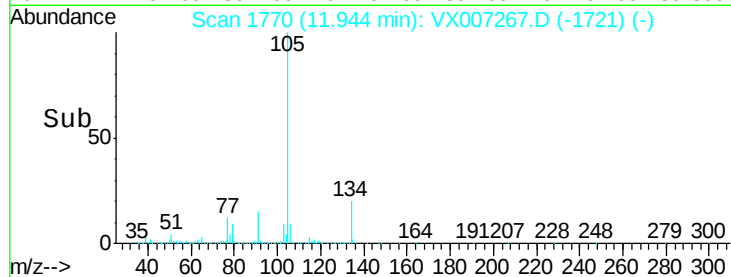
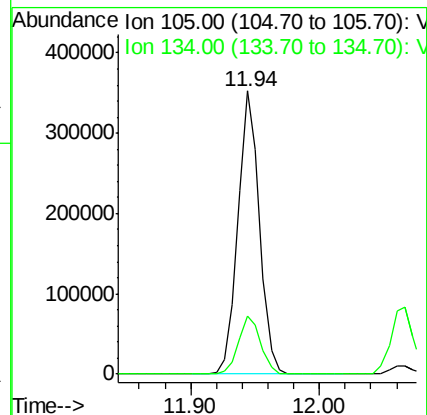
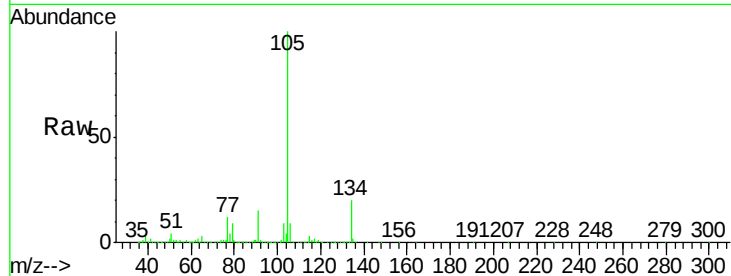
VX0128WBSD01

Tot Ion:105 Resp: 411114

Ion Ratio Lower Upper

105 100

134 21.1 10.7 31.9



#86

p-Isopropyltoluene

Concen: 18.469 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.01 min

Lab File: VX007267.D

Acq: 28 Jan 2019 18:12

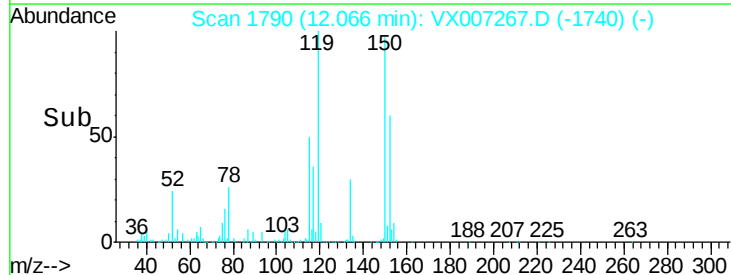
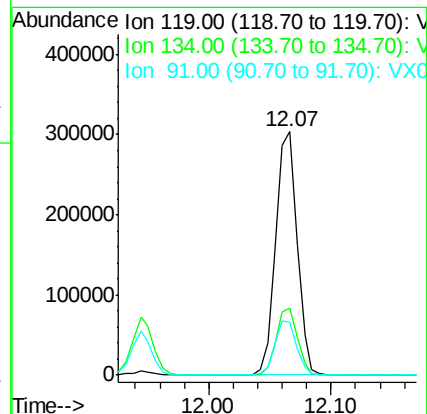
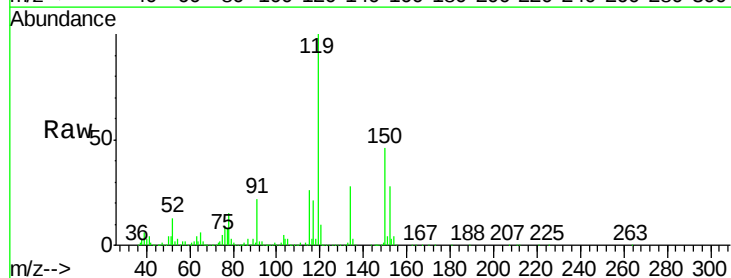
Tgt Ion:119 Resp: 368308

Ion Ratio Lower Upper

119 100

134 27.3 14.0 41.9

91 22.7 11.3 33.9

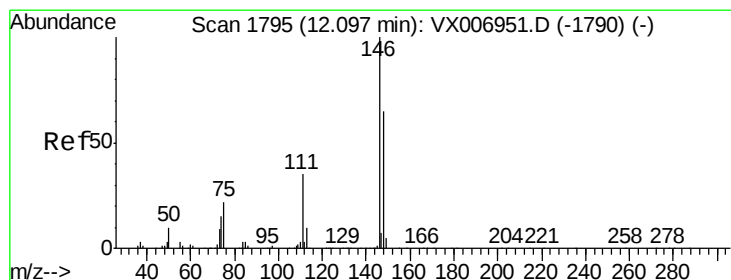
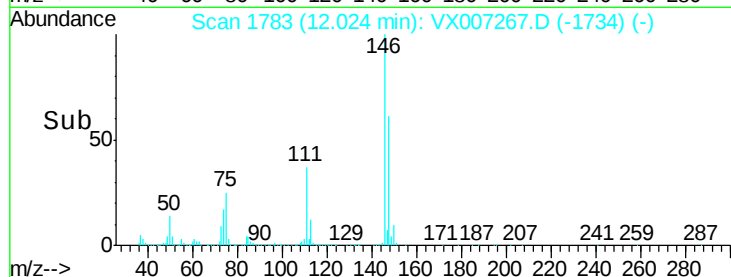
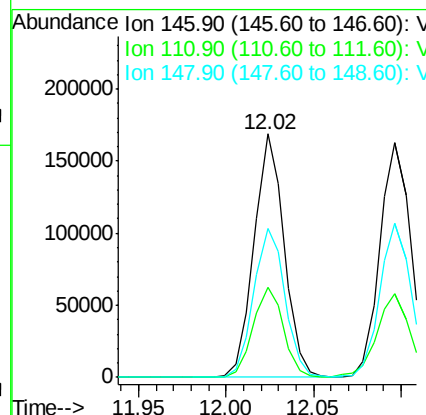
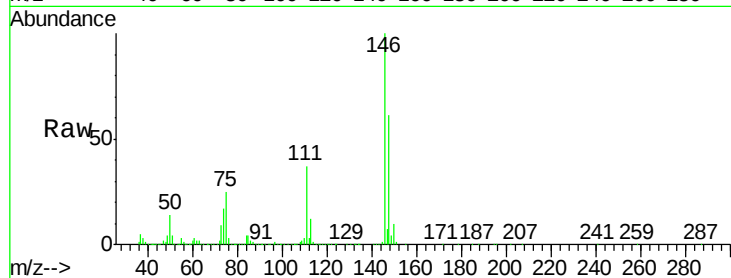




#87
 1,3-Dichlorobenzene
 Concen: 18.161 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX007267.D
 Acq: 28 Jan 2019 18:12

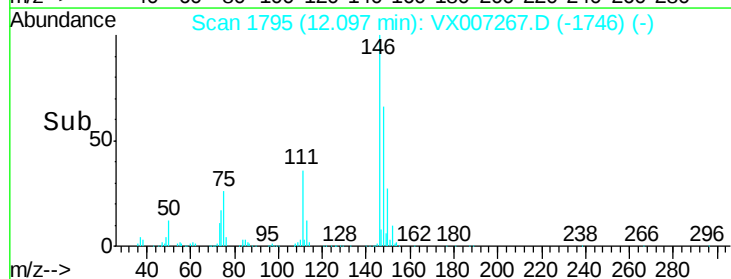
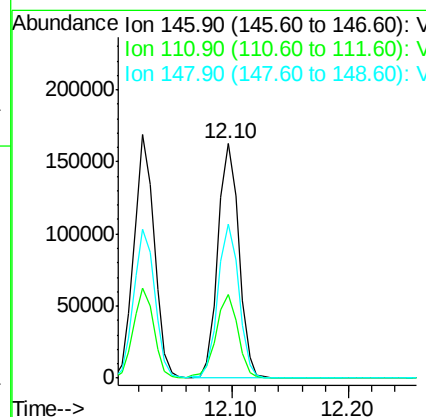
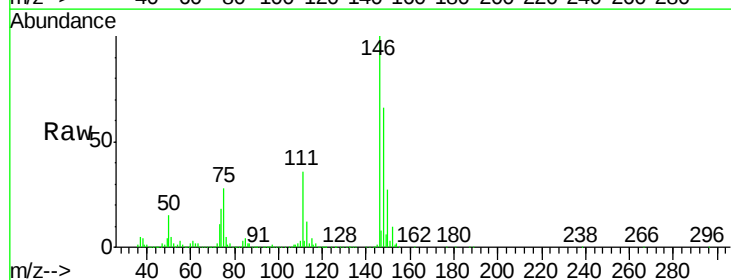
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0128WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.6	55.8
148	63.8	31.8	95.3



#88
 1,4-Dichlorobenzene
 Concen: 19.146 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX007267.D
 Acq: 28 Jan 2019 18:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.1	54.1
148	65.7	31.9	95.9

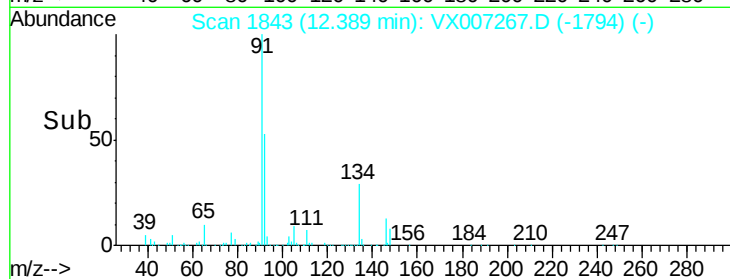
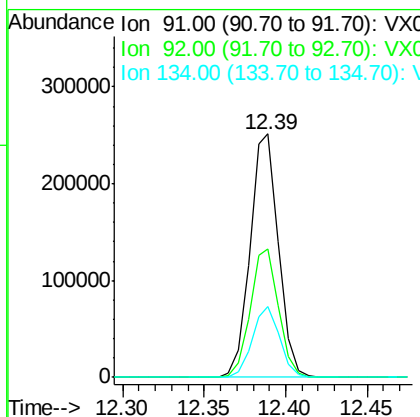
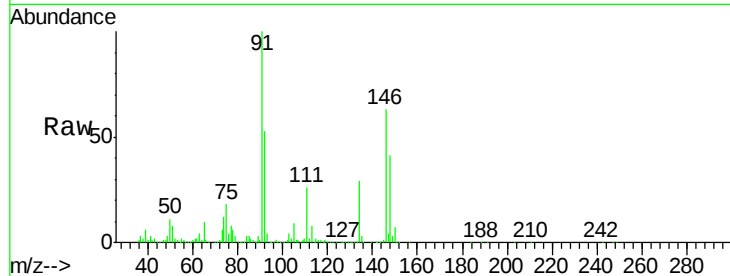




#89
n-Butylbenzene
Concen: 17.883 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX007267.D
Acq: 28 Jan 2019 18:12

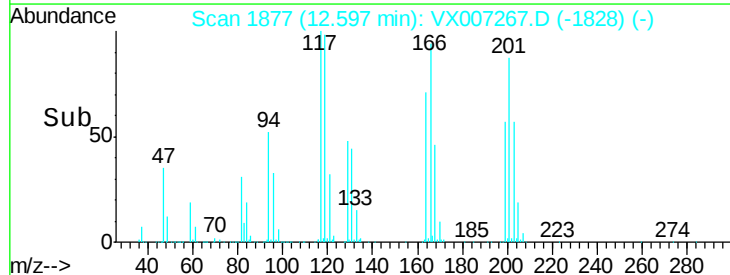
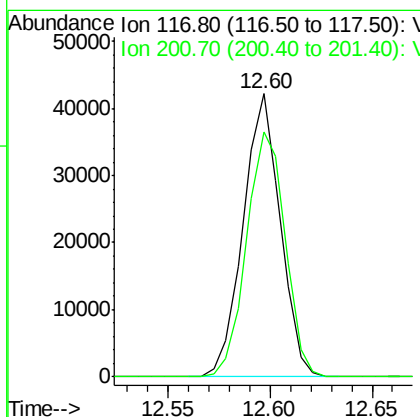
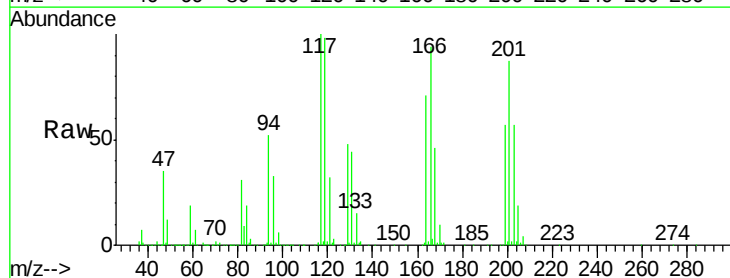
Instrument :
MSVOA_X
ClientSampleId :
VX0128WBSD01

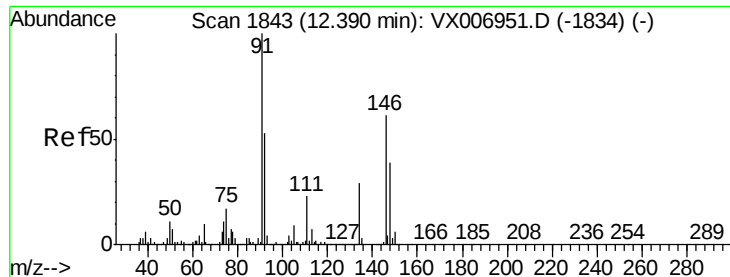
Tot Ion: 91 Resp: 303998
Ion Ratio Lower Upper
91 100
92 52.7 26.8 80.4
134 27.9 14.4 43.2



#90
Hexachloroethane
Concen: 18.648 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX007267.D
Acq: 28 Jan 2019 18:12

Tgt Ion: 117 Resp: 53203
Ion Ratio Lower Upper
117 100
201 90.3 42.9 128.7





#91

1,2-Dichlorobenzene

Concen: 18.348 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX007267.D

Acq: 28 Jan 2019 18:12

Instrument :

MSVOA_X

ClientSampleId :

VX0128WBSD01

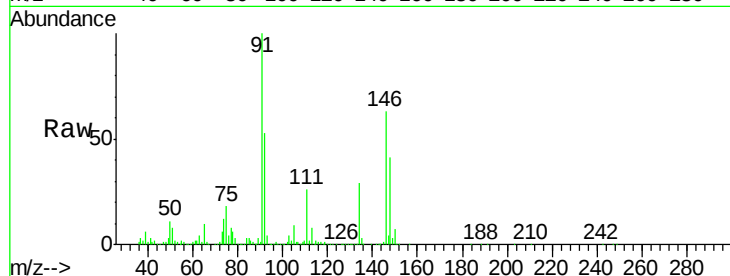
Tot Ion:146 Resp: 201924

Ion Ratio Lower Upper

146 100

111 38.7 19.4 58.2

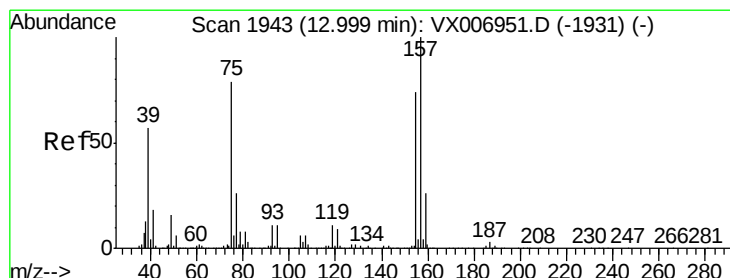
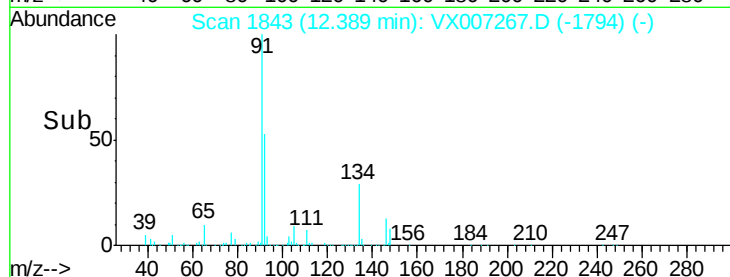
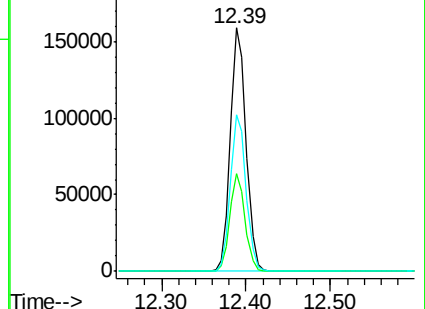
148 64.5 32.3 96.9



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: 18.734 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX007267.D

Acq: 28 Jan 2019 18:12

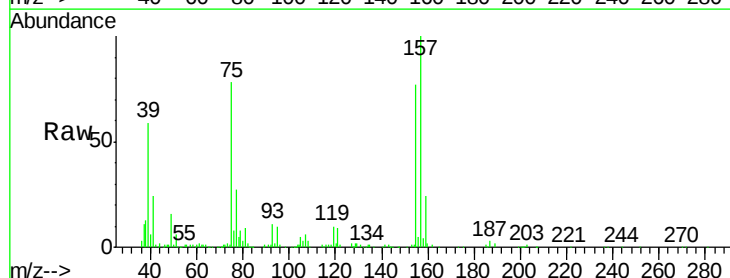
Tgt Ion: 75 Resp: 26339

Ion Ratio Lower Upper

75 100

155 102.1 50.6 151.8

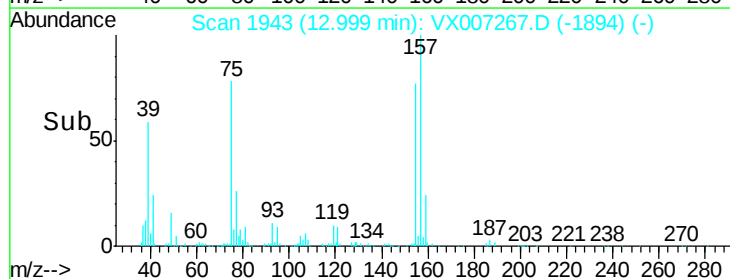
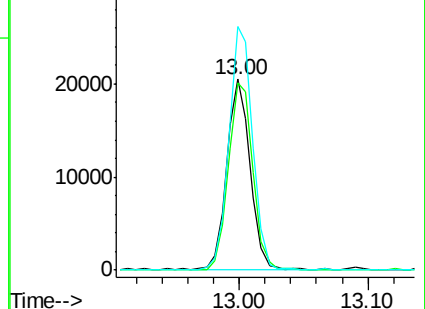
157 128.8 64.6 193.8



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: 18.015 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. -0.00 min

Lab File: VX007267.D

Acq: 28 Jan 2019 18:12

Instrument :

MSVOA_X

ClientSampleId :

VX0128WBSD01

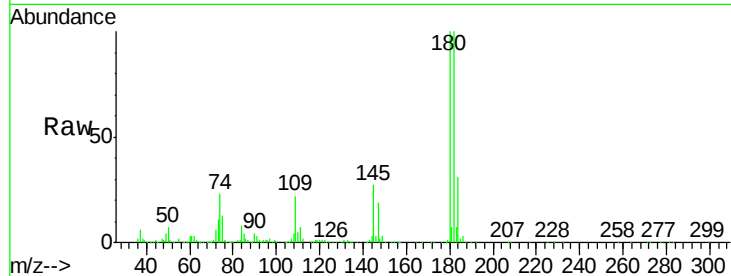
Tot Ion:180 Resp: 136021

Ion Ratio Lower Upper

180 100

182 96.6 47.3 142.0

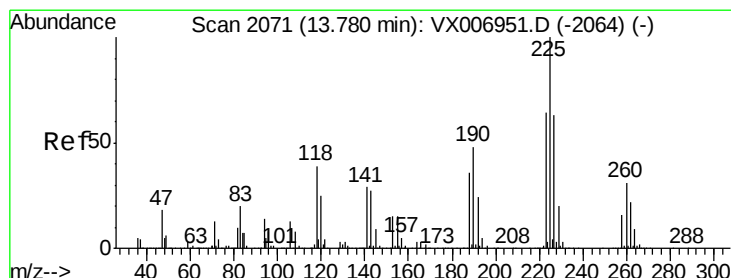
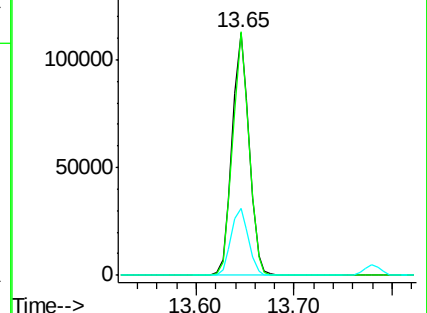
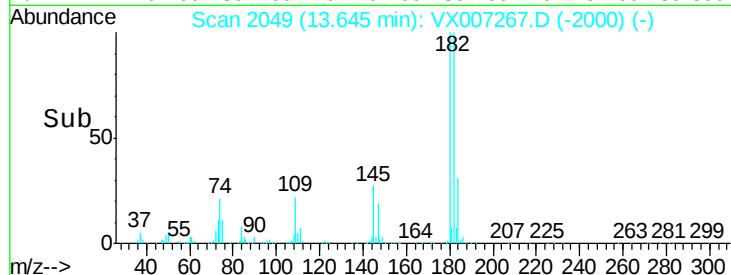
145 28.5 14.8 44.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 19.725 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. -0.00 min

Lab File: VX007267.D

Acq: 28 Jan 2019 18:12

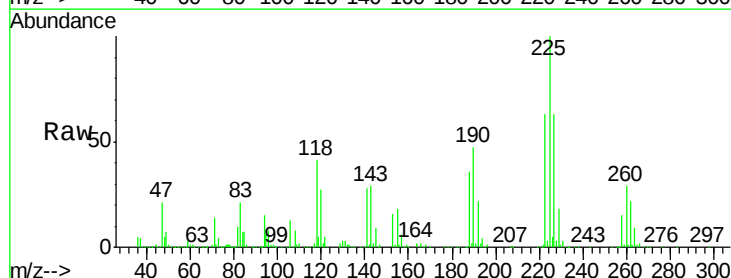
Tgt Ion:225 Resp: 66090

Ion Ratio Lower Upper

225 100

223 62.4 32.1 96.3

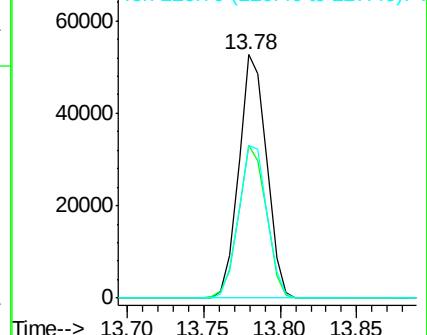
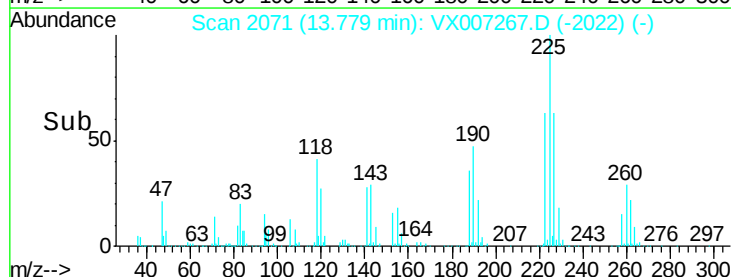
227 64.2 32.3 96.8



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 18.264 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX007267.D

Acq: 28 Jan 2019 18:12

Instrument :

MSVOA_X

ClientSampleId :

VX0128WBSD01

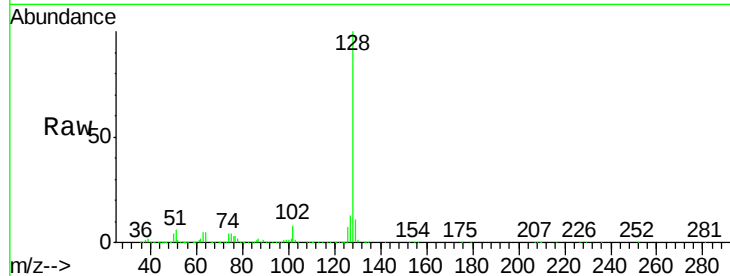
Tot Ion:128 Resp: 417860

Ion Ratio Lower Upper

128 100

127 13.0 10.1 15.1

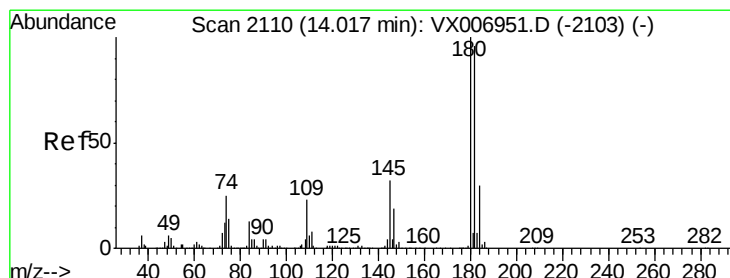
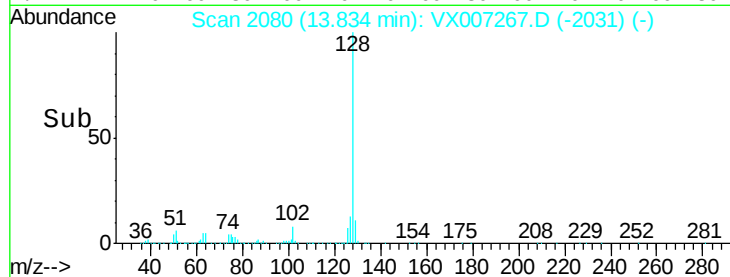
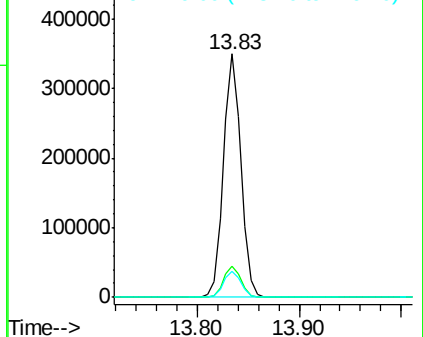
129 10.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.538 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX007267.D

Acq: 28 Jan 2019 18:12

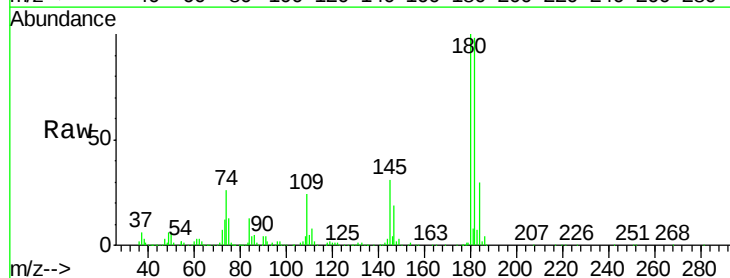
Tgt Ion:180 Resp: 139041

Ion Ratio Lower Upper

180 100

182 96.4 48.5 145.5

145 30.1 16.0 47.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

