

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120418\
 Data File : VX006283.D
 Acq On : 04 Dec 2018 17:21
 Operator : JC/MD
 Sample : VX1204WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1204WBSD01

Quant Time: Dec 05 00:31:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	669476	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1014266	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	925608	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	460430	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	355038	51.95	ug/l	0.00
Spiked Amount			Recovery	=	103.90%	
35) Dibromofluoromethane	5.50	113	336997	51.32	ug/l	0.00
Spiked Amount			Recovery	=	102.64%	
50) Toluene-d8	8.71	98	1230525	51.51	ug/l	0.00
Spiked Amount			Recovery	=	103.02%	
62) 4-Bromofluorobenzene	11.13	95	459210	51.02	ug/l	0.00
Spiked Amount			Recovery	=	102.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	132828	20.263	ug/l	99
3) Chloromethane	1.33	50	122688	18.213	ug/l	99
4) Vinyl Chloride	1.41	62	137564	18.975	ug/l	98
5) Bromomethane	1.64	94	63108	12.560	ug/l	98
6) Chloroethane	1.73	64	94035	21.154	ug/l	97
7) Trichlorofluoromethane	1.93	101	209880	18.859	ug/l	96
8) Diethyl Ether	2.19	74	78810	18.711	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	118701	18.758	ug/l	99
10) Methyl Iodide	2.51	142	76197	7.990	ug/l	98
11) Tert butyl alcohol	3.07	59	177444	94.940	ug/l	99
12) 1,1-Dichloroethene	2.38	96	112687	18.602	ug/l	93
13) Acrolein	2.29	56	94707	92.710	ug/l	96
14) Allyl chloride	2.73	41	214243	17.903	ug/l	99
15) Acrylonitrile	3.15	53	358231	91.850	ug/l	99
16) Acetone	2.45	43	315691	98.430	ug/l	100
17) Carbon Disulfide	2.57	76	327542	17.547	ug/l	100
18) Methyl Acetate	2.78	43	206586	19.261	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	408729	18.913	ug/l	99
20) Methylene Chloride	2.86	84	132458	19.405	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	120458	18.659	ug/l	92
22) Diisopropyl ether	3.87	45	359500	19.233	ug/l	99
23) Vinyl Acetate	3.82	43	1510278	94.735	ug/l	99
24) 1,1-Dichloroethane	3.70	63	203851	19.081	ug/l	99
25) 2-Butanone	4.70	43	443823	96.982	ug/l	97
26) 2,2-Dichloropropane	4.59	77	174964	17.745	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	145660	20.228	ug/l	97
28) Bromochloromethane	5.02	49	94942	20.345	ug/l	98
29) Tetrahydrofuran	5.15	42	293728	92.351	ug/l	97
30) Chloroform	5.21	83	220389	19.630	ug/l	100
31) Cyclohexane	5.58	56	186474	18.887	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	205673	19.254	ug/l	99
36) 1,1-Dichloropropene	5.80	75	156987	18.380	ug/l	100
37) Ethyl Acetate	4.85	43	174184	18.211	ug/l	98
38) Carbon Tetrachloride	5.78	117	188508	18.761	ug/l	95

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	201390	18.165	ug/l	97
40) Benzene	6.14	78	490726	19.183	ug/l	98
41) Methacrylonitrile	5.06	41	94787	18.010	ug/l	98
42) 1,2-Dichloroethane	6.20	62	162666	19.429	ug/l	99
43) Isopropyl Acetate	6.46	43	284869	17.863	ug/l	99
44) Trichloroethene	7.21	130	151830	19.592	ug/l	98
45) 1,2-Dichloropropane	7.52	63	123017	18.921	ug/l	94
46) Dibromomethane	7.66	93	89933	19.153	ug/l	98
47) Bromodichloromethane	7.90	83	166910	18.356	ug/l	100
48) Methyl methacrylate	7.77	41	140386	18.095	ug/l	97
49) 1,4-Dioxane	7.75	88	71062	371.634	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	866264	93.309	ug/l	98
52) Toluene	8.79	92	316829	18.825	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	187602	17.641	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	198149	17.944	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	134705	19.701	ug/l	98
56) Ethyl methacrylate	9.18	69	200052	18.716	ug/l	98
57) 1,3-Dichloropropane	9.37	76	208645	19.298	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	521221	96.094	ug/l	99
59) 2-Hexanone	9.49	43	666753	94.004	ug/l	100
60) Dibromochloromethane	9.59	129	152952	18.142	ug/l	100
61) 1,2-Dibromoethane	9.67	107	143501	18.770	ug/l	99
64) Tetrachloroethene	9.34	164	130805	18.765	ug/l	98
65) Chlorobenzene	10.14	112	370878	18.876	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	144117	18.878	ug/l	99
67) Ethyl Benzene	10.25	91	610396	18.678	ug/l	99
68) m/p-Xylenes	10.36	106	488502	37.317	ug/l	99
69) o-Xylene	10.69	106	245650	18.998	ug/l	99
70) Styrene	10.71	104	390129	18.655	ug/l	99
71) Bromoform	10.86	173	123496	17.137	ug/l	100
73) Isopropylbenzene	11.02	105	639557	20.114	ug/l	99
74) N-amyl acetate	10.90	43	254982	18.622	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	202999	19.956	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	232150	26.122	ug/l	87
77) Bromobenzene	11.26	156	173365	19.647	ug/l	98
78) n-propylbenzene	11.36	91	691849	19.574	ug/l	100
79) 2-Chlorotoluene	11.42	91	413443	19.681	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	517617	19.565	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	64751	17.098	ug/l	91
82) 4-Chlorotoluene	11.51	91	470600	19.267	ug/l	100
83) tert-Butylbenzene	11.77	119	558815	19.797	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	533074	19.514	ug/l	100
85) sec-Butylbenzene	11.94	105	632410	19.694	ug/l	99
86) p-Isopropyltoluene	12.07	119	563107	19.474	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	300754	19.155	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	297844	18.689	ug/l	98
89) n-Butylbenzene	12.39	91	455239	18.451	ug/l	99
90) Hexachloroethane	12.60	117	108102	18.343	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	302183	19.392	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	47027	18.034	ug/l	97

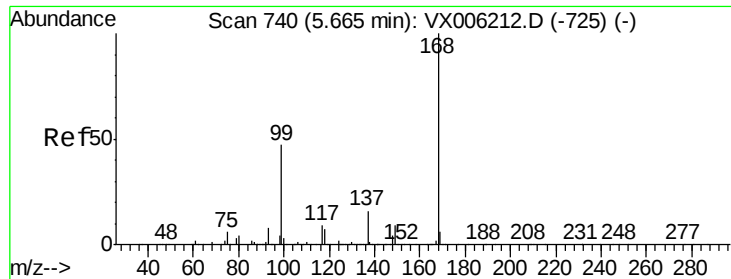
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120418\
Data File : VX006283.D
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 30 03:55:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	211085	18.567	ug/l	99
94) Hexachlorobutadiene	13.78	225	96876	19.268	ug/l	100
95) Naphthalene	13.83	128	692379	19.579	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	215312	19.121	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX006283.D

Acq: 04 Dec 2018 17:21

Instrument :

MSVOA_X

ClientSampleId :

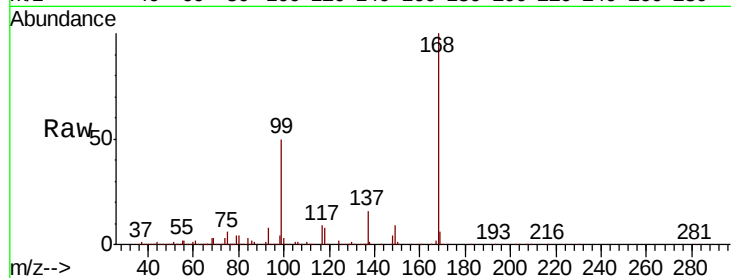
VX1204WBSD01

Tot Ion:168 Resp: 669476

Ion Ratio Lower Upper

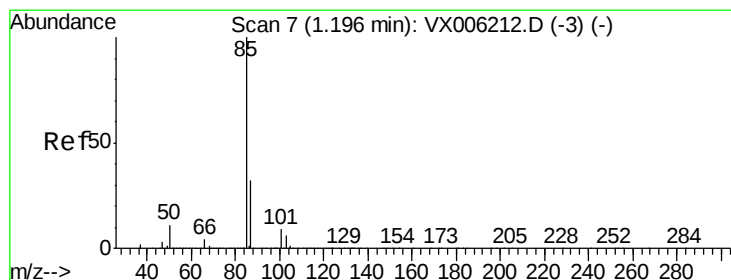
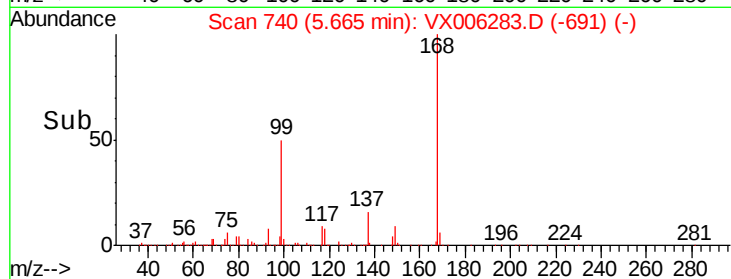
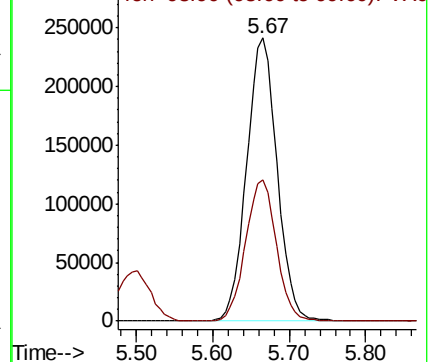
168 100

99 49.9 37.8 56.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 20.263 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX006283.D

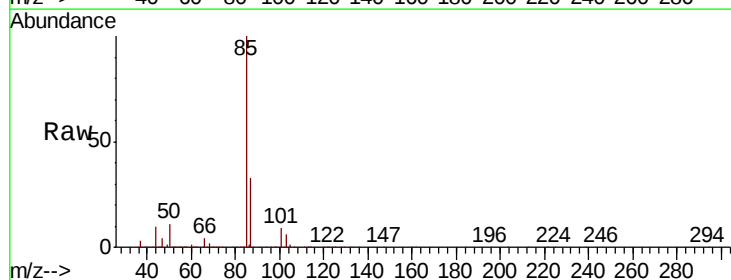
Acq: 04 Dec 2018 17:21

Tgt Ion: 85 Resp: 132828

Ion Ratio Lower Upper

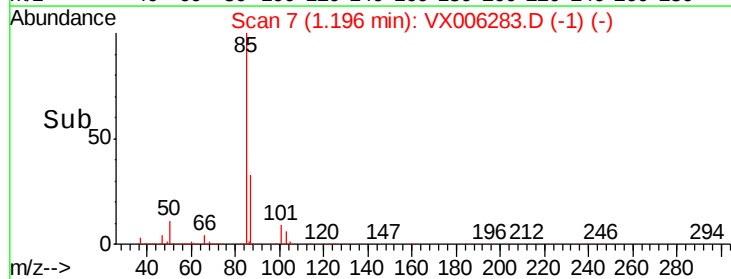
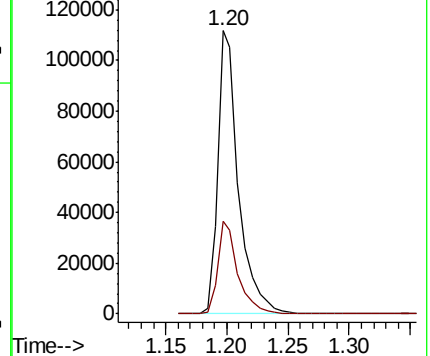
85 100

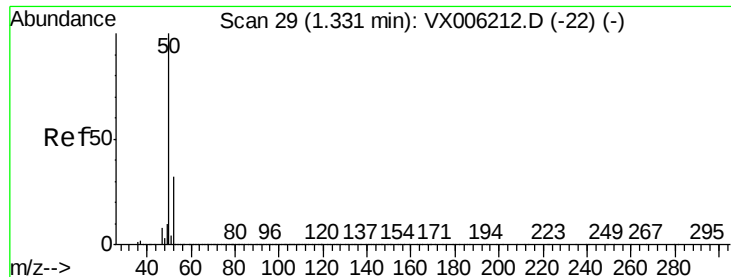
87 32.9 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 18.213 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX006283.D

Acq: 04 Dec 2018 17:21

Instrument :

MSVOA_X

ClientSampleId :

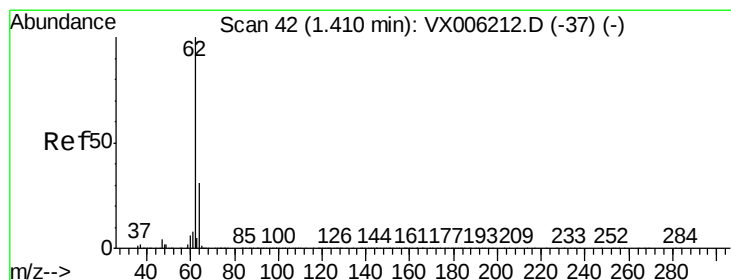
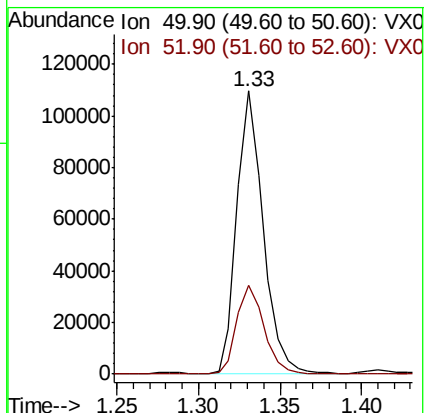
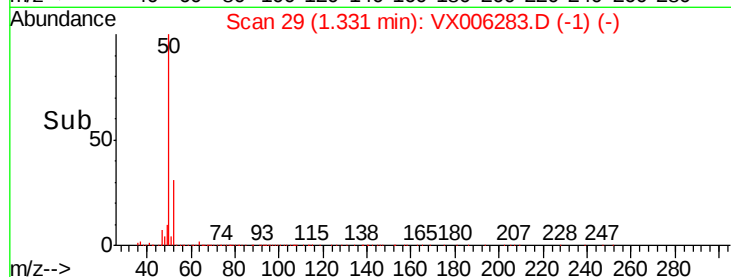
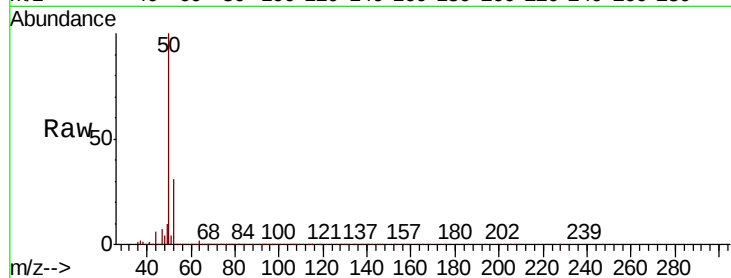
VX1204WBSD01

Tot Ion: 50 Resp: 122688

Ion Ratio Lower Upper

50 100

52 31.2 25.2 37.8



#4

Vinyl Chloride

Concen: 18.975 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX006283.D

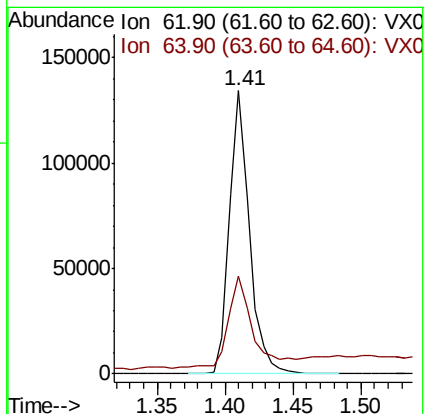
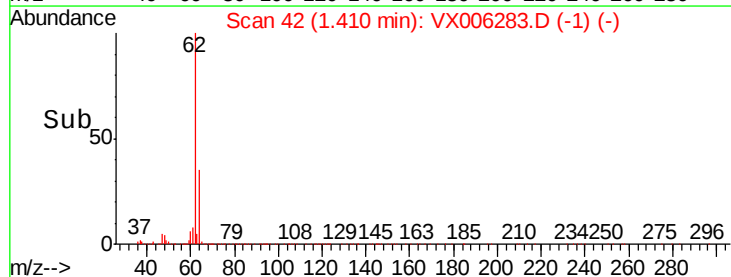
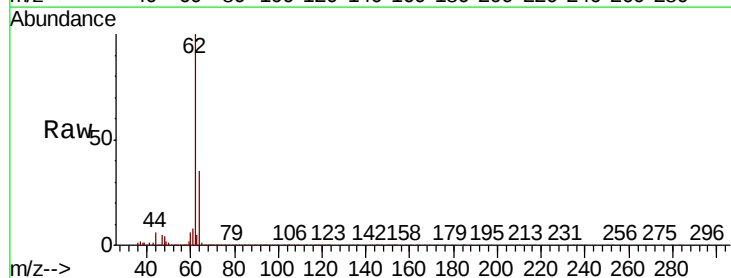
Acq: 04 Dec 2018 17:21

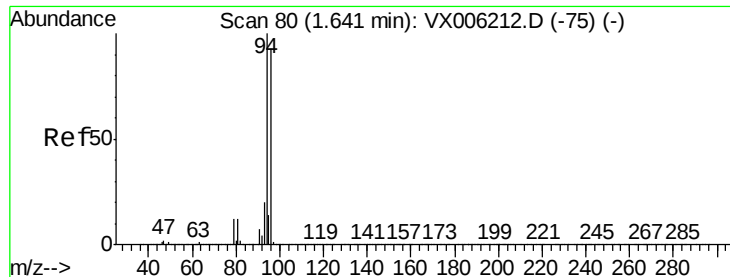
Tgt Ion: 62 Resp: 137564

Ion Ratio Lower Upper

62 100

64 32.3 24.9 37.3





#5

Bromomethane

Concen: 12.560 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006283.D

Acq: 04 Dec 2018 17:21

Instrument :

MSVOA_X

ClientSampleId :

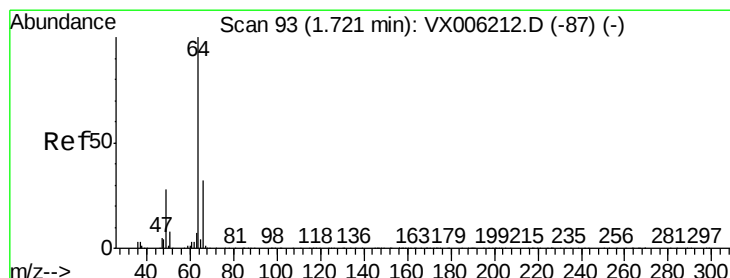
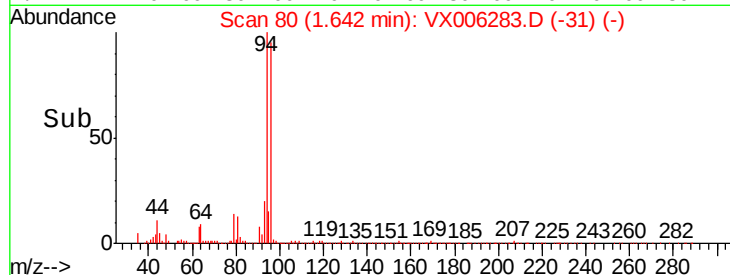
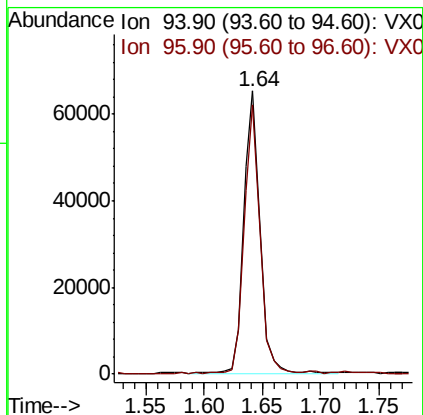
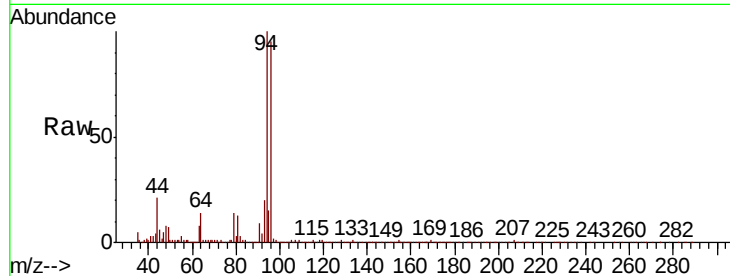
VX1204WBSD01

Tot Ion: 94 Resp: 63108

Ion Ratio Lower Upper

94 100

96 95.1 74.5 111.7



#6

Chloroethane

Concen: 21.154 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX006283.D

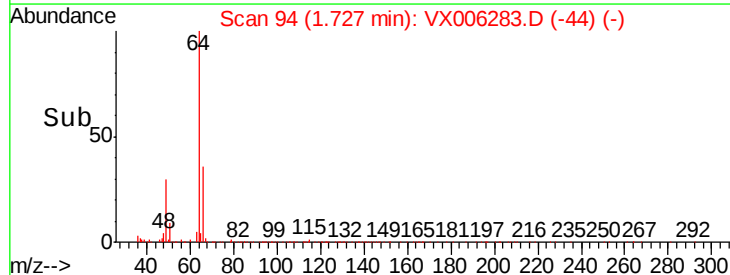
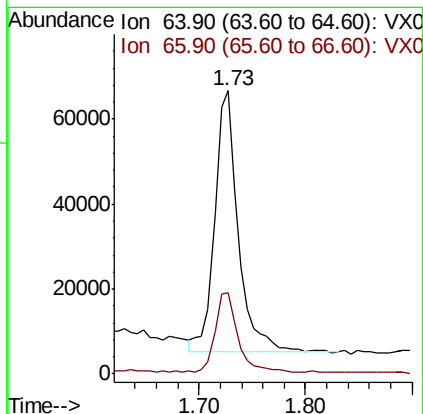
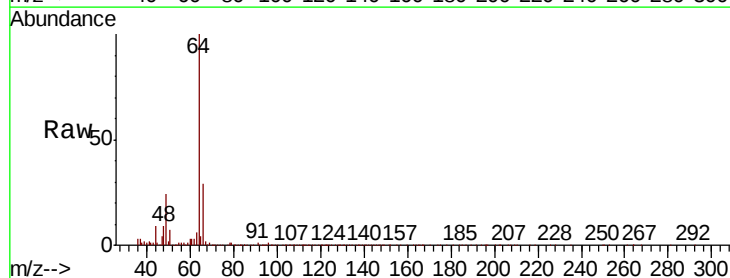
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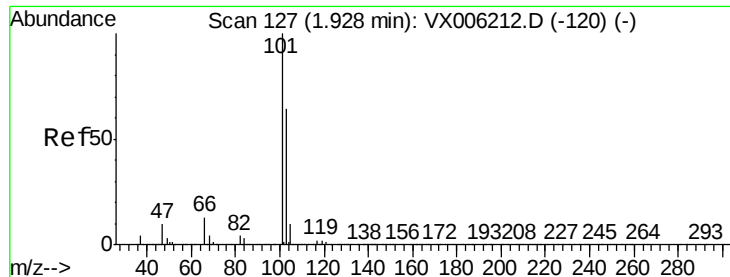
Tgt Ion: 64 Resp: 94035

Ion Ratio Lower Upper

64 100

66 30.5 25.9 38.9



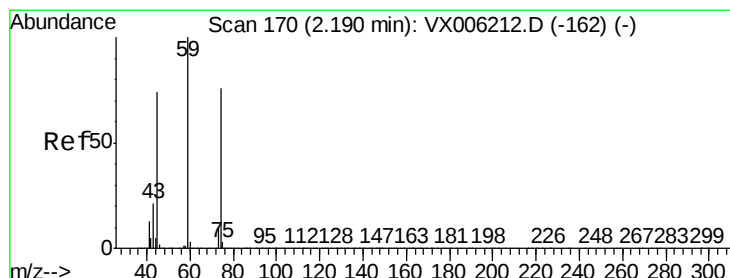
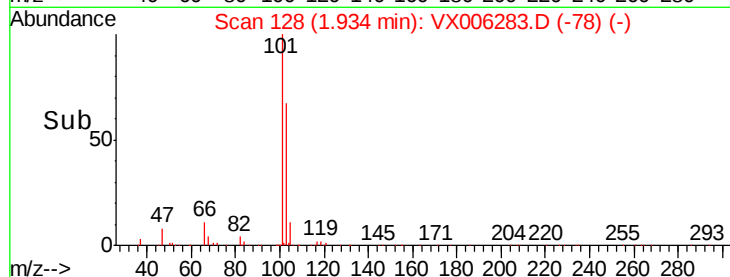
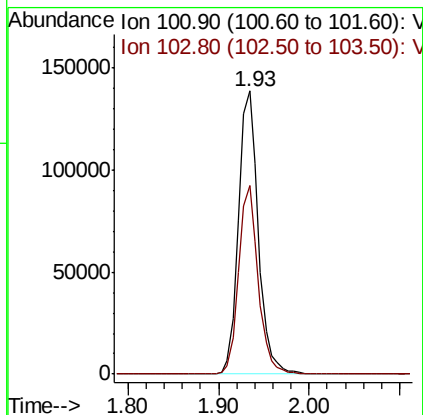
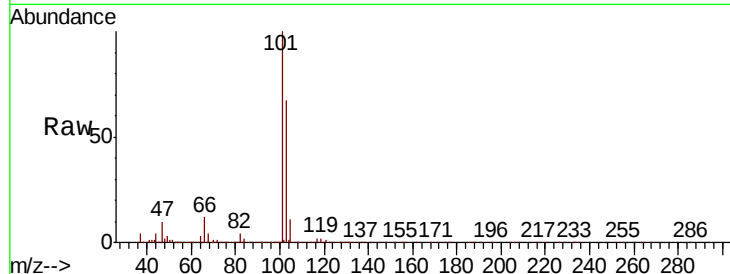


#7

Trichlorofluoromethane
Concen: 18.859 ug/l
RT: 1.93 min Scan# 128
Delta R.T. 0.01 min
Lab File: VX006283.D
Acq: 04 Dec 2018 17:21

Instrument :
MSVOA_X
ClientSampleId :
VX1204WBSD01

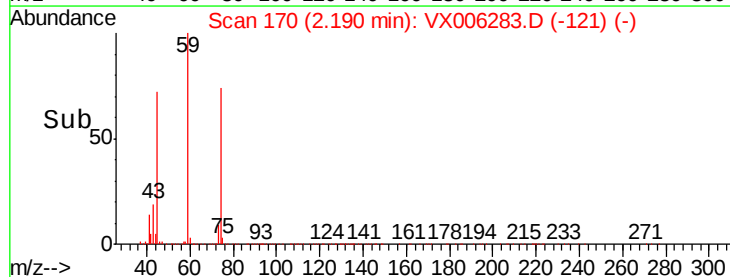
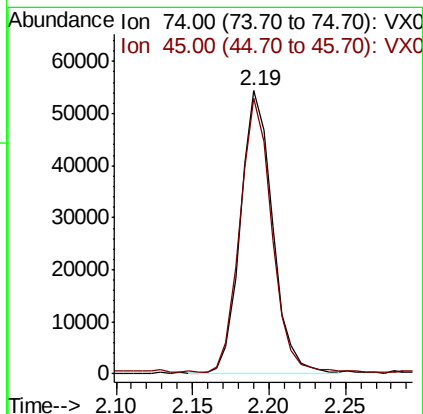
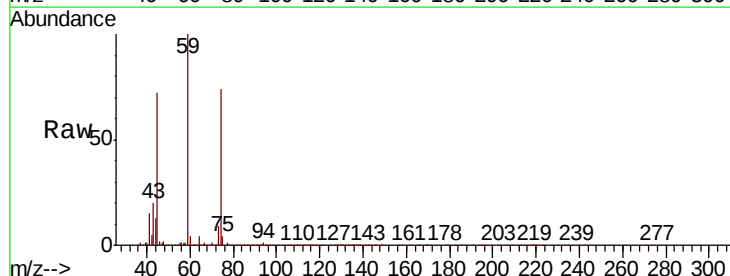
Tot Ion:101 Resp: 209880
Ion Ratio Lower Upper
101 100
103 66.5 51.0 76.4

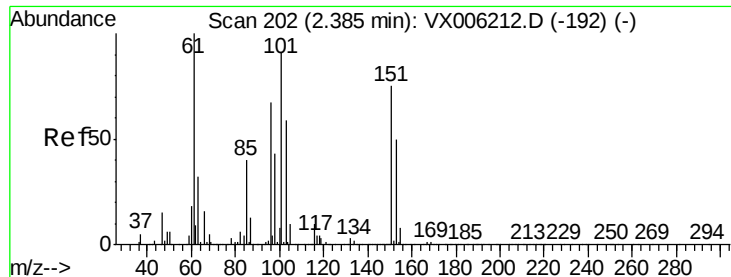


#8

Diethyl Ether
Concen: 18.711 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX006283.D
Acq: 04 Dec 2018 17:21

Tgt Ion: 74 Resp: 78810
Ion Ratio Lower Upper
74 100
45 97.1 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.758 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX006283.D

Acq: 04 Dec 2018 17:21

Instrument :

MSVOA_X

ClientSampleId :

VX1204WBSD01

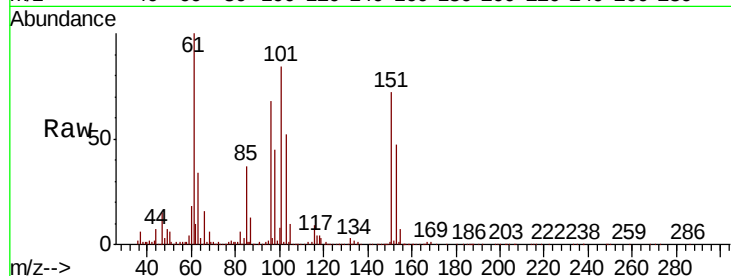
Tot Ion:101 Resp: 118701

Ion Ratio Lower Upper

101 100

85 43.5 35.5 53.3

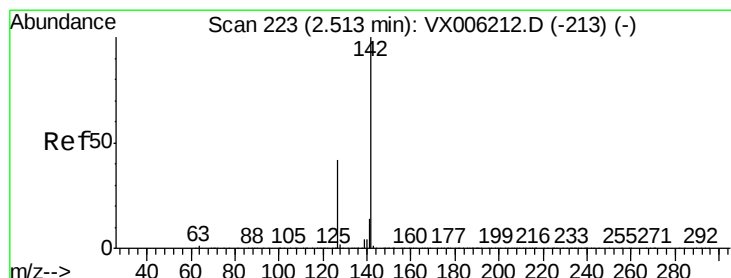
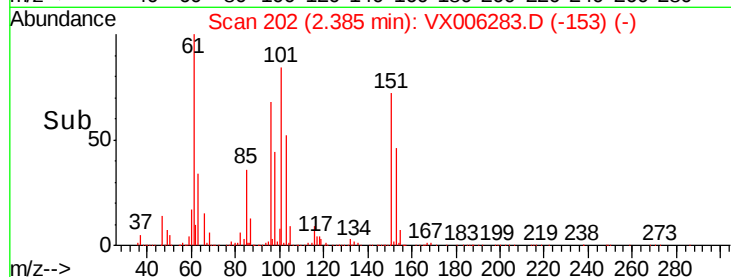
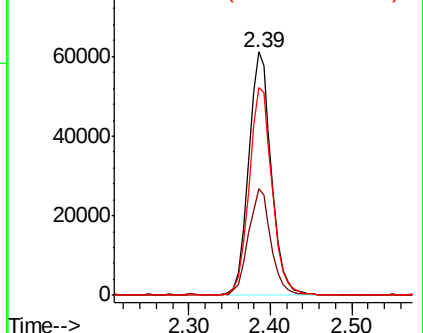
151 86.9 68.6 103.0



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: 7.990 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.00 min

Lab File: VX006283.D

Acq: 04 Dec 2018 17:21

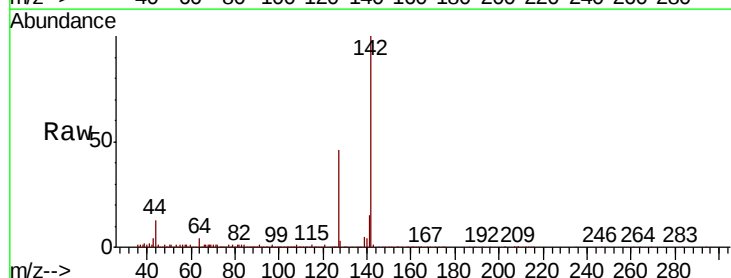
Tgt Ion:142 Resp: 76197

Ion Ratio Lower Upper

142 100

127 44.9 34.8 52.2

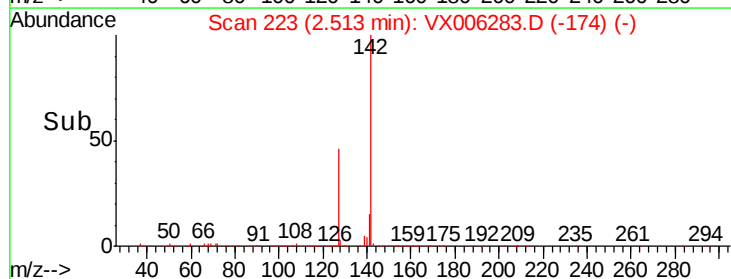
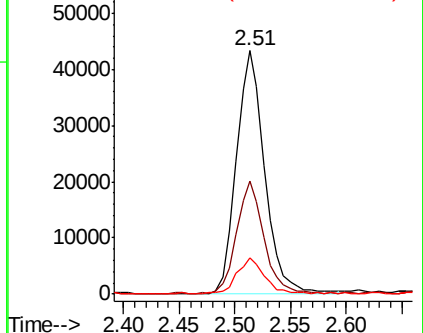
141 15.1 11.4 17.2

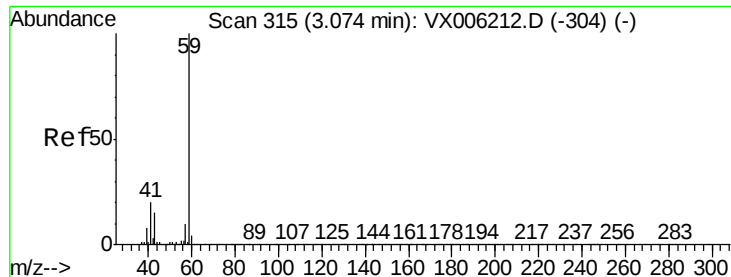


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



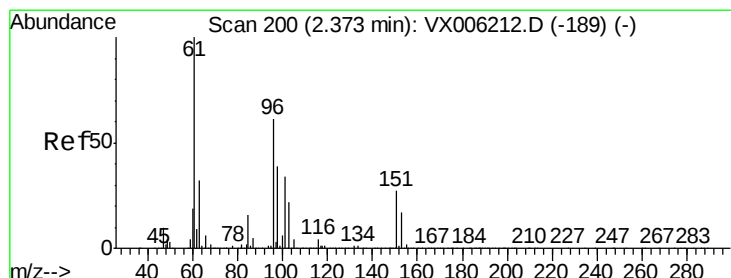
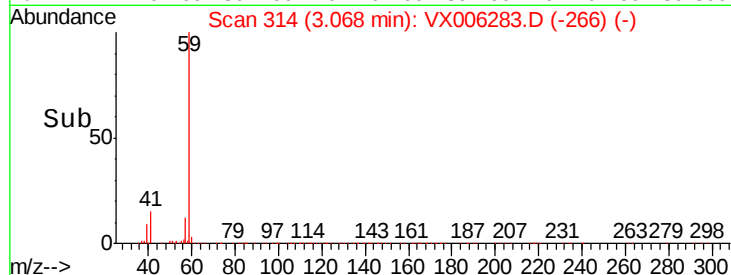
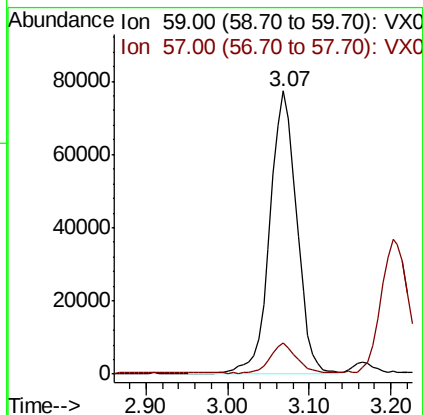
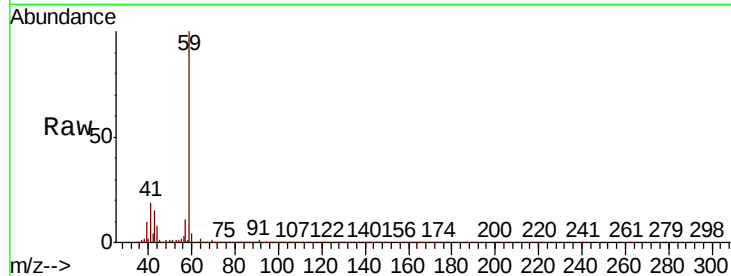


#11

Tert butyl alcohol
 Concen: 94.940 ug/l
 RT: 3.07 min Scan# 314
 Delta R.T. -0.01 min
 Lab File: VX006283.D
 Acq: 04 Dec 2018 17:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1204WBSD01

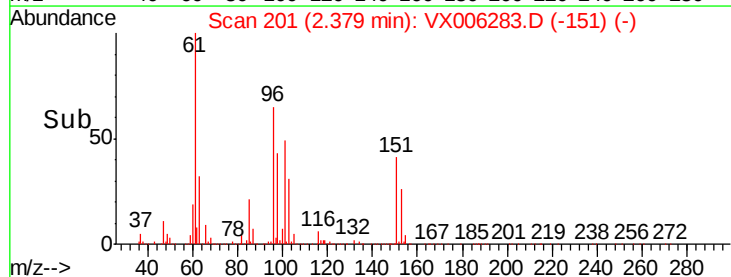
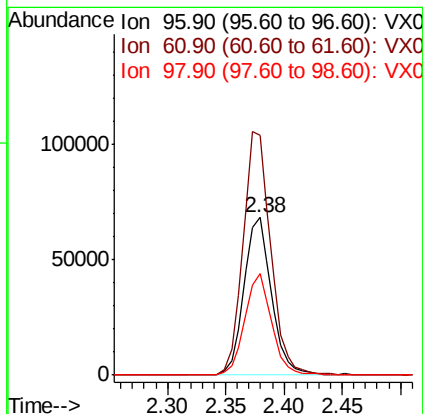
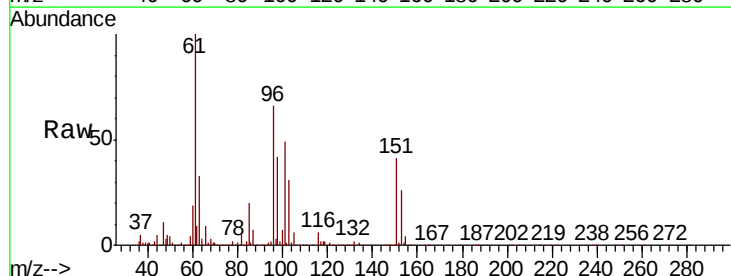
Tot Ion: 59 Resp: 177444
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.2 12.2

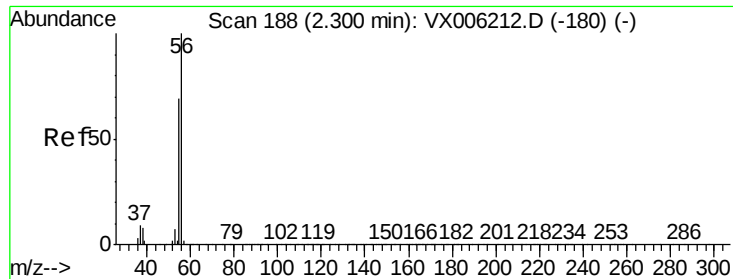


#12

1,1-Dichloroethene
 Concen: 18.602 ug/l
 RT: 2.38 min Scan# 201
 Delta R.T. 0.01 min
 Lab File: VX006283.D
 Acq: 04 Dec 2018 17:21

Tgt Ion: 96 Resp: 112687
 Ion Ratio Lower Upper
 96 100
 61 152.3 131.7 197.5
 98 64.6 51.8 77.6





#13

Acrolein

Concen: 92.710 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.01 min

Lab File: VX006283.D

Acq: 04 Dec 2018 17:21

Instrument :

MSVOA_X

ClientSampleId :

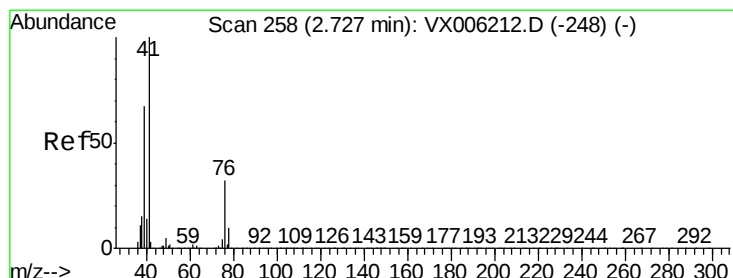
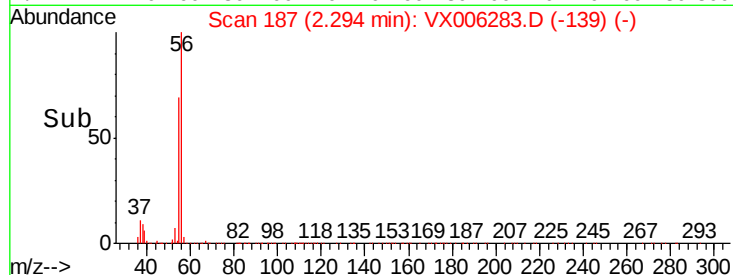
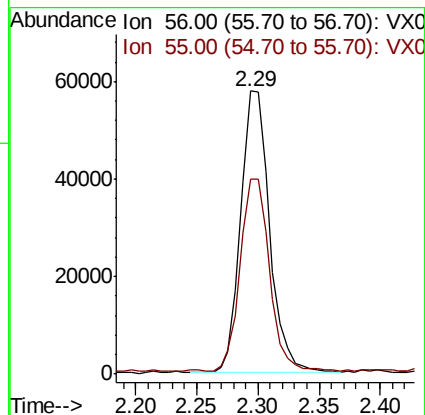
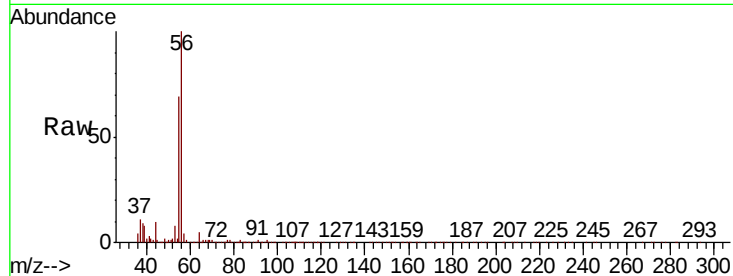
VX1204WBSD01

Tot Ion: 56 Resp: 94707

Ion Ratio Lower Upper

56 100

55 69.1 57.8 86.6



#14

Allyl chloride

Concen: 17.903 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX006283.D

Acq: 04 Dec 2018 17:21

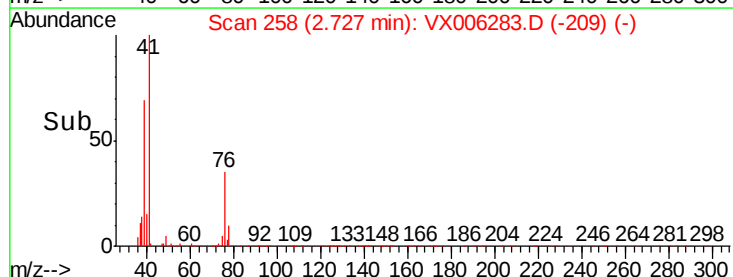
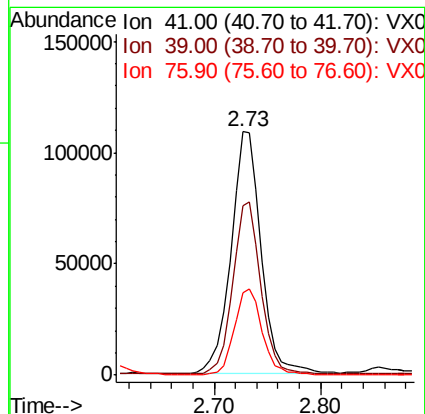
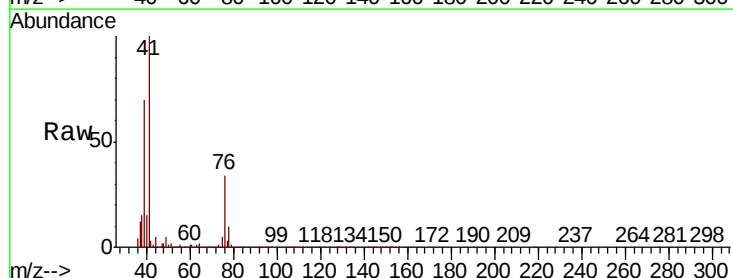
Tgt Ion: 41 Resp: 214243

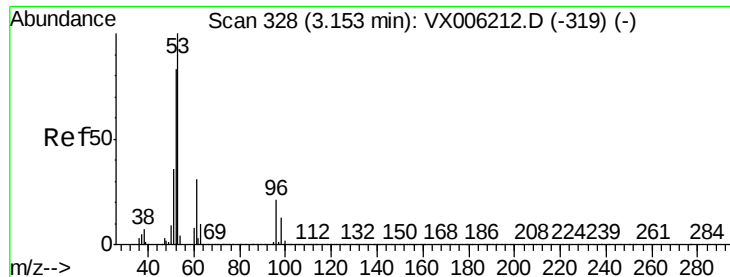
Ion Ratio Lower Upper

41 100

39 66.2 52.4 78.6

76 33.0 25.4 38.0

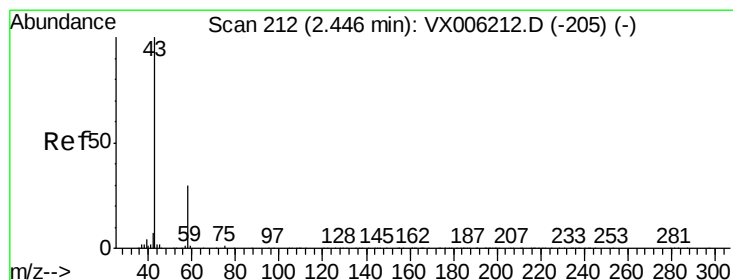
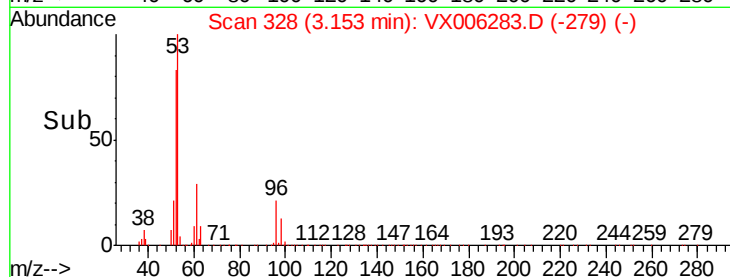
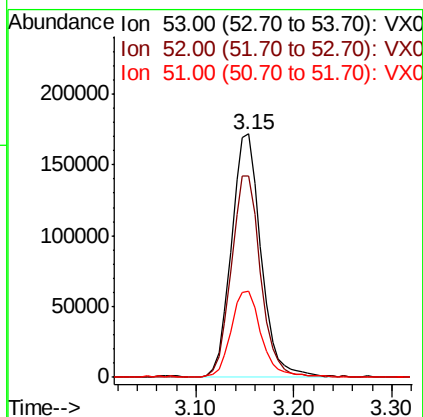
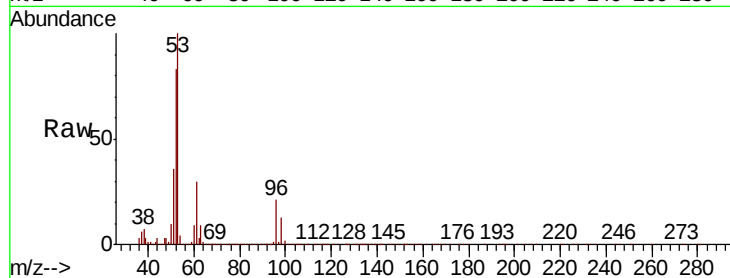




#15
 Acrylonitrile
 Concen: 91.850 ug/l
 RT: 3.15 min Scan# 328
 Delta R.T. 0.00 min
 Lab File: VX006283.D
 Acq: 04 Dec 2018 17:21

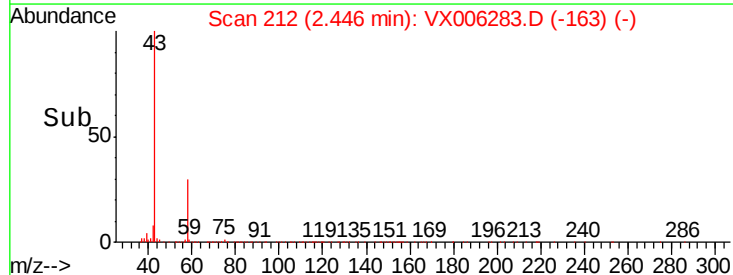
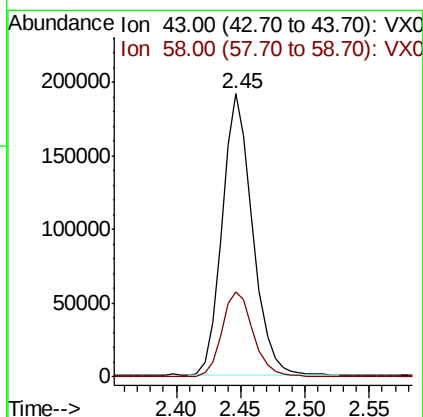
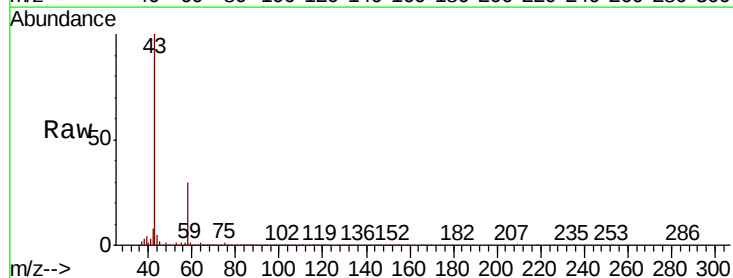
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1204WBSD01

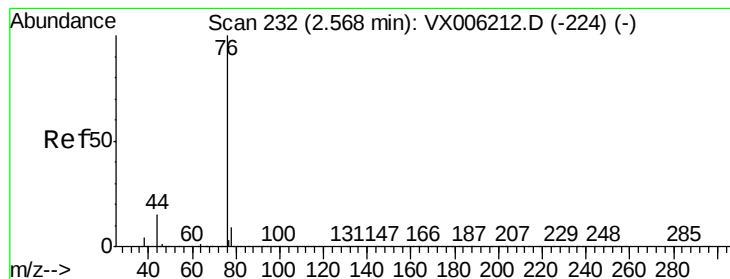
Tot Ion: 53 Resp: 358231
 Ion Ratio Lower Upper
 53 100
 52 83.3 66.2 99.4
 51 36.4 28.7 43.1



#16
 Acetone
 Concen: 98.430 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VX006283.D
 Acq: 04 Dec 2018 17:21

Tgt Ion: 43 Resp: 315691
 Ion Ratio Lower Upper
 43 100
 58 30.1 24.0 36.0





#17

Carbon Disulfide

Concen: 17.547 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX006283.D

Acq: 04 Dec 2018 17:21

Instrument :

MSVOA_X

ClientSampleId :

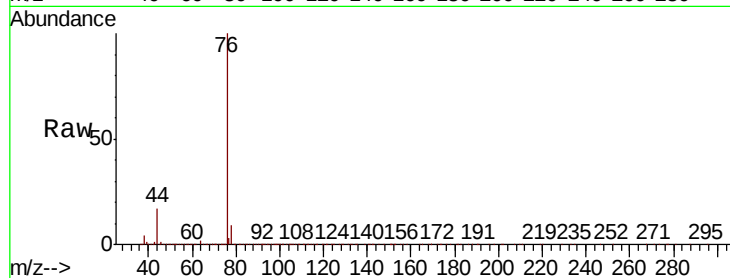
VX1204WBSD01

Tot Ion: 76 Resp: 327542

Ion Ratio Lower Upper

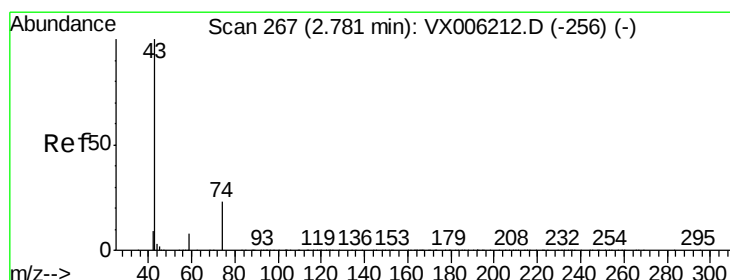
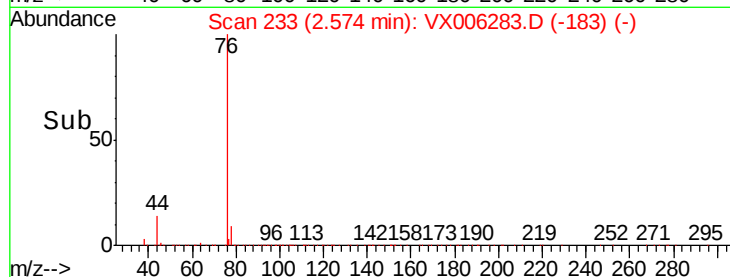
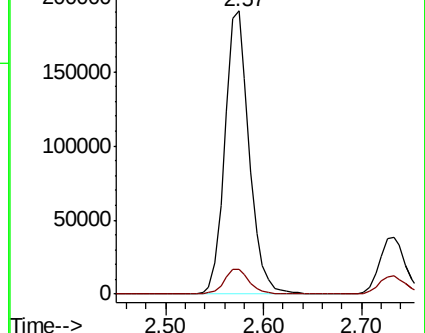
76 100

78 8.7 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 19.261 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX006283.D

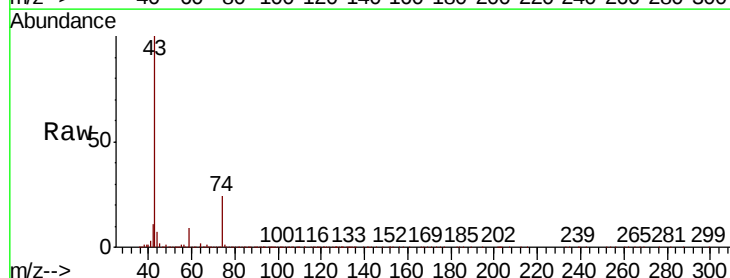
Acq: 04 Dec 2018 17:21

Tgt Ion: 43 Resp: 206586

Ion Ratio Lower Upper

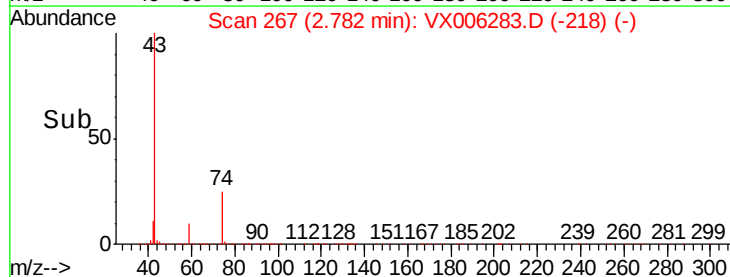
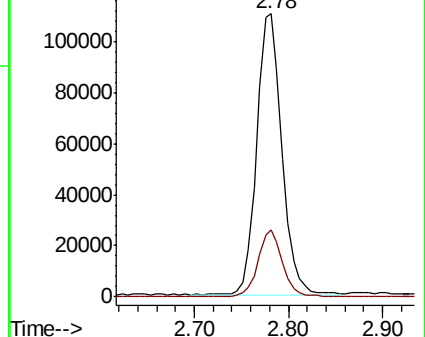
43 100

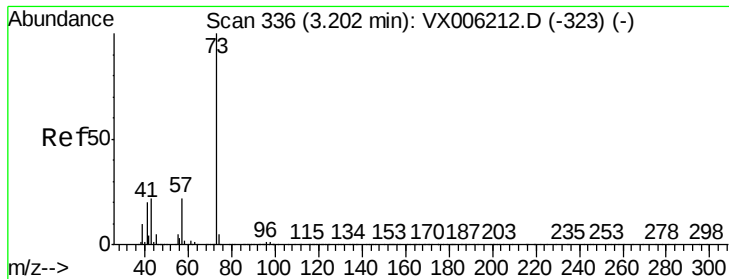
74 23.2 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

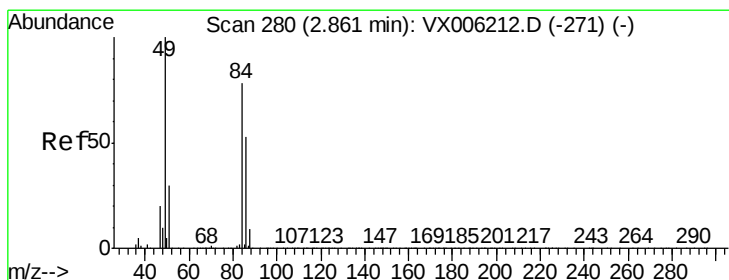
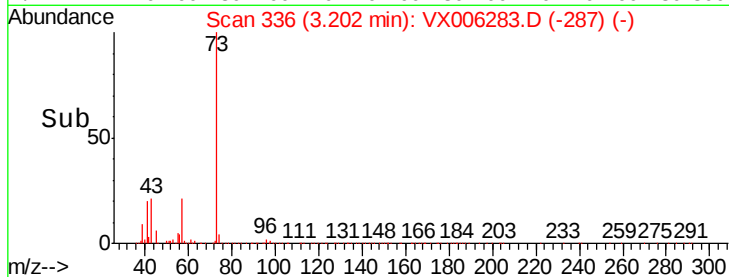
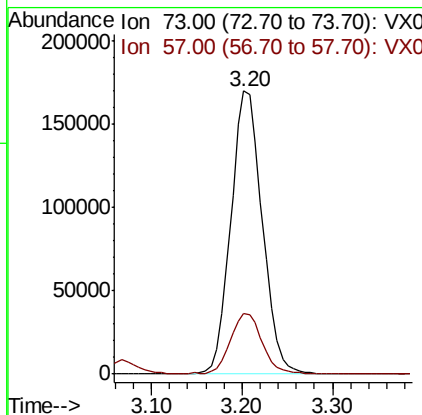
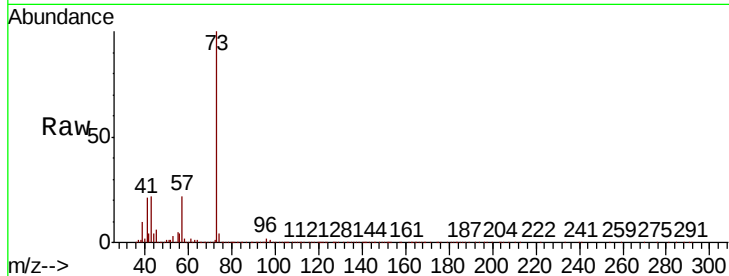




#19
Methvl tert-butvl Ether
Concen: 18.913 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX006283.D
Acq: 04 Dec 2018 17:21

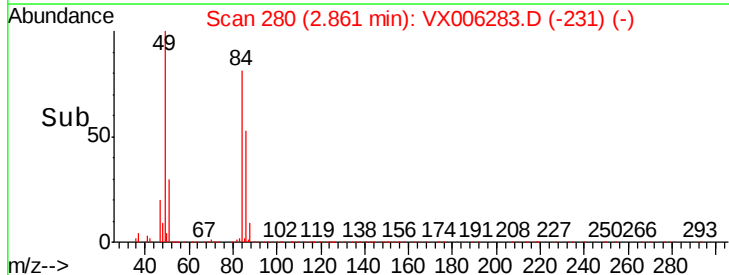
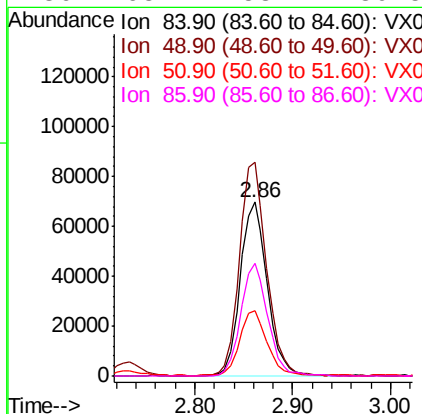
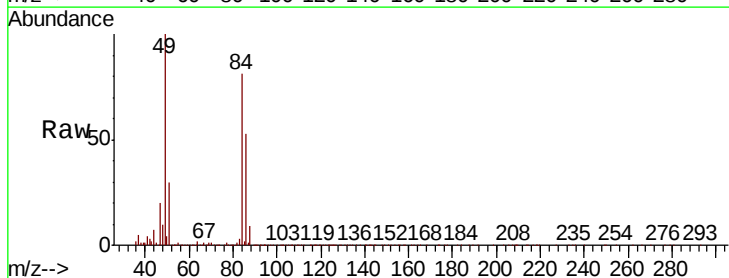
Instrument :
MSVOA_X
ClientSampleId :
VX1204WBSD01

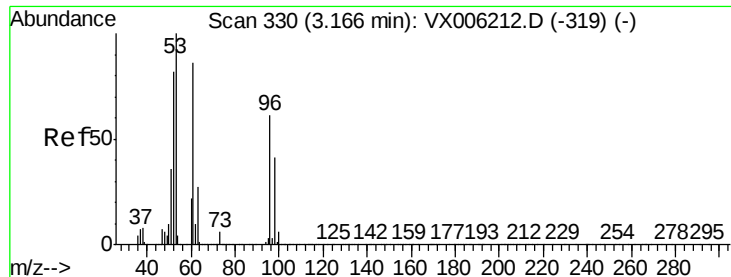
Tot Ion: 73 Resp: 408729
Ion Ratio Lower Upper
73 100
57 21.4 17.5 26.3



#20
Methylene Chloride
Concen: 19.405 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX006283.D
Acq: 04 Dec 2018 17:21

Tgt Ion: 84 Resp: 132458
Ion Ratio Lower Upper
84 100
49 123.0 102.2 153.4
51 37.0 31.1 46.7
86 65.1 53.7 80.5





#21

trans-1,2-Dichloroethene

Concen: 18.659 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX006283.D

Acq: 04 Dec 2018 17:21

Instrument :

MSVOA_X

ClientSampleId :

VX1204WBSD01

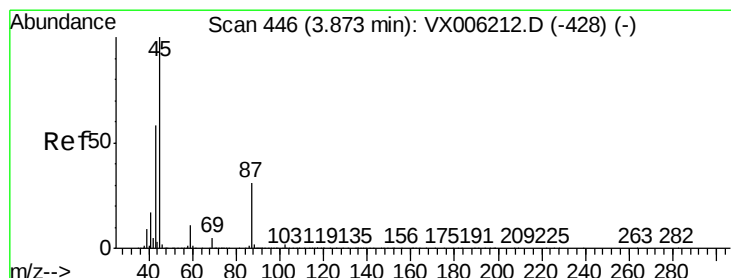
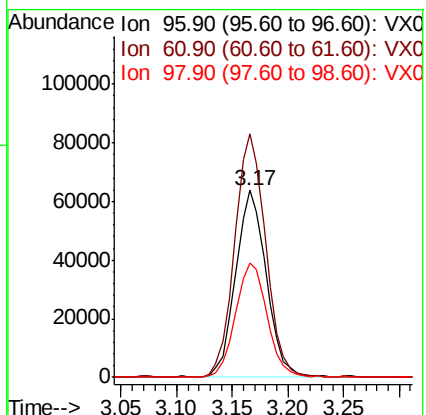
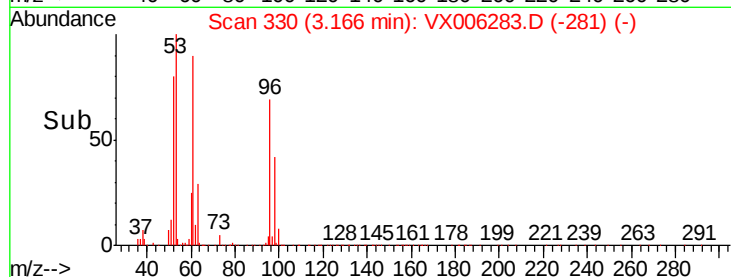
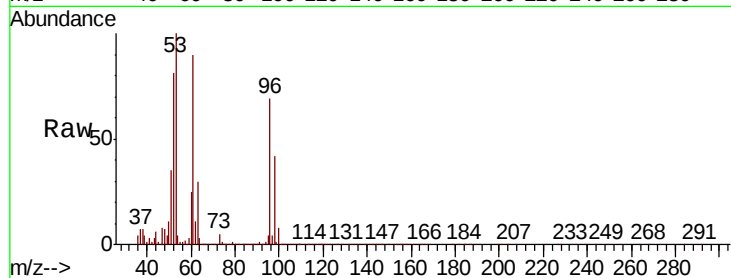
Tot Ion: 96 Resp: 120458

Ion Ratio Lower Upper

96 100

61 130.3 113.3 169.9

98 61.4 53.2 79.8



#22

Diisopropyl ether

Concen: 19.233 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.00 min

Lab File: VX006283.D

Acq: 04 Dec 2018 17:21

Tgt Ion: 45 Resp: 359500

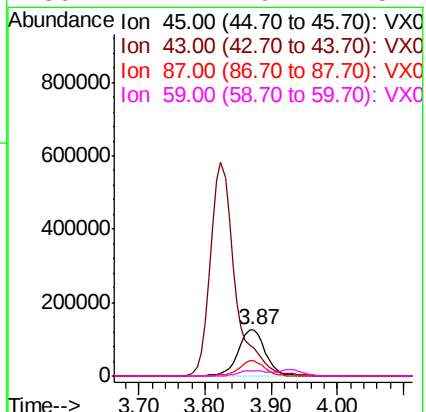
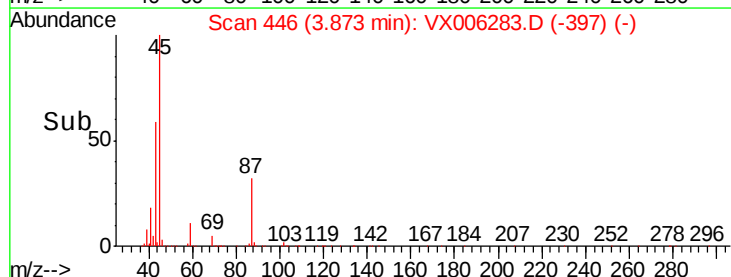
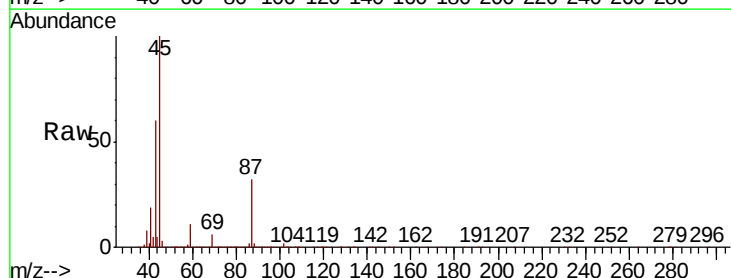
Ion Ratio Lower Upper

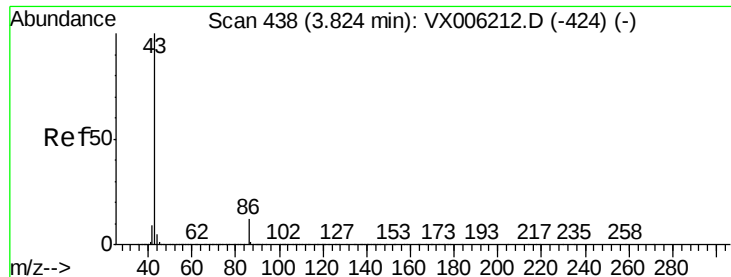
45 100

43 58.9 46.2 69.2

87 31.8 24.9 37.3

59 11.4 9.1 13.7





#23

Vinyl Acetate

Concen: 94.735 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX006283.D

Acq: 04 Dec 2018 17:21

Instrument :

MSVOA_X

ClientSampleId :

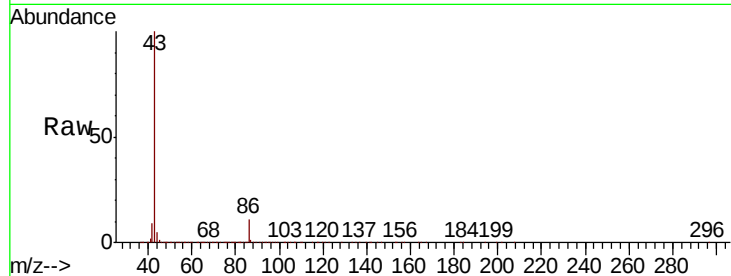
VX1204WBSD01

Tot Ion: 43 Resp: 1510278

Ion Ratio Lower Upper

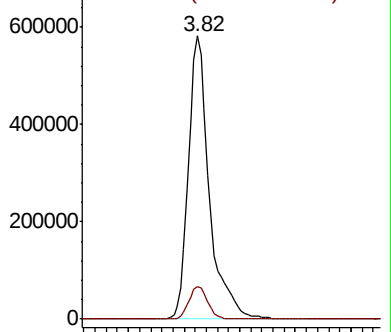
43 100

86 11.4 9.4 14.0

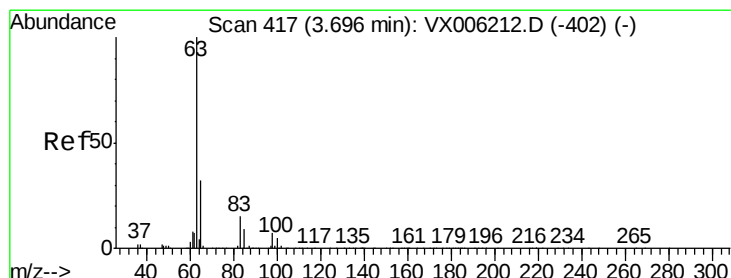
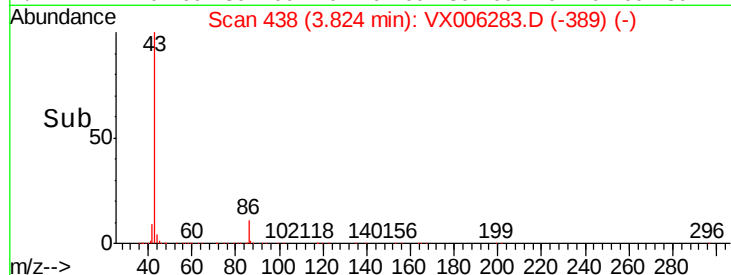


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



Time-->



#24

1,1-Dichloroethane

Concen: 19.081 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX006283.D

Acq: 04 Dec 2018 17:21

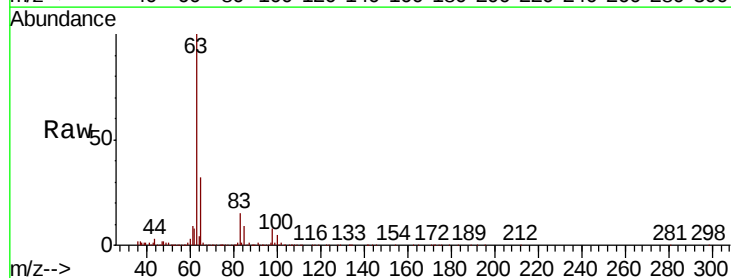
Tgt Ion: 63 Resp: 203851

Ion Ratio Lower Upper

63 100

98 7.8 3.8 11.4

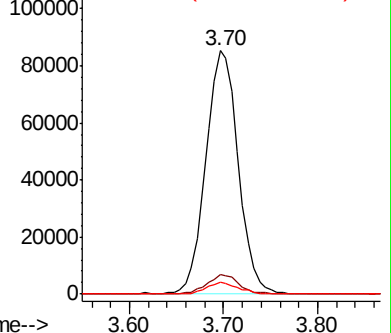
100 5.1 2.5 7.4



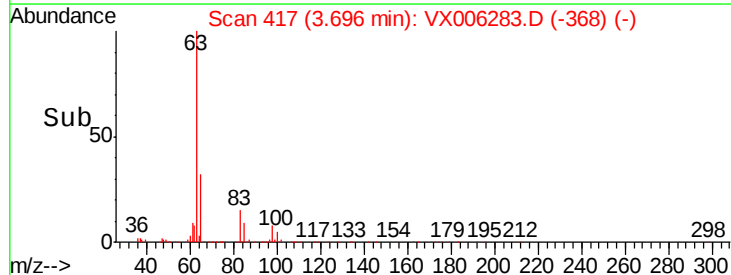
Abundance Ion 62.90 (62.60 to 63.60): VX0

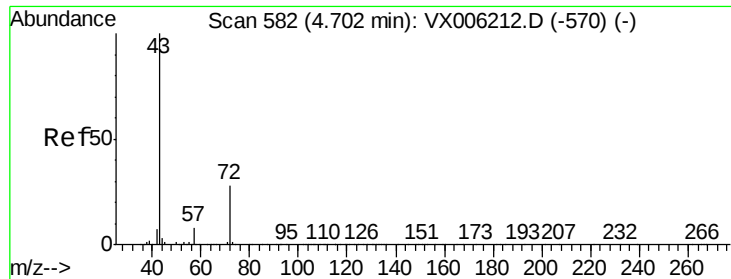
Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



Time-->





#25

2-Butanone

Concen: 96.982 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX006283.D

Acq: 04 Dec 2018 17:21

Instrument :

MSVOA_X

ClientSampleId :

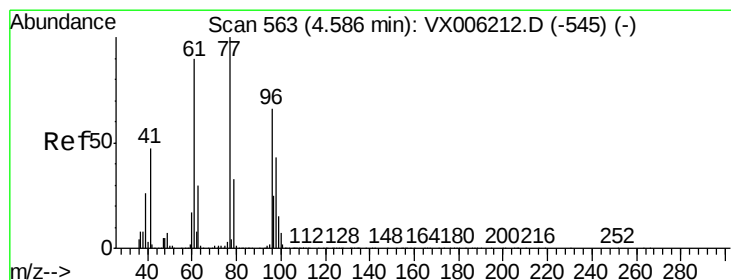
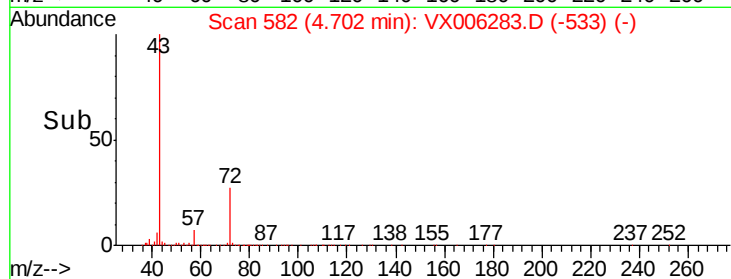
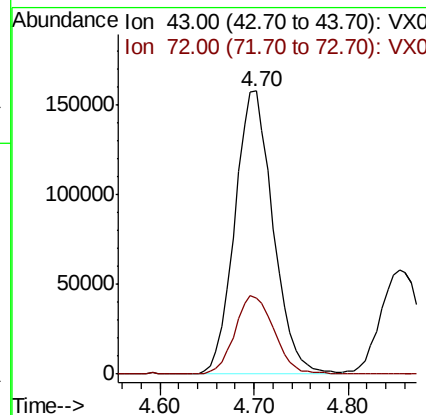
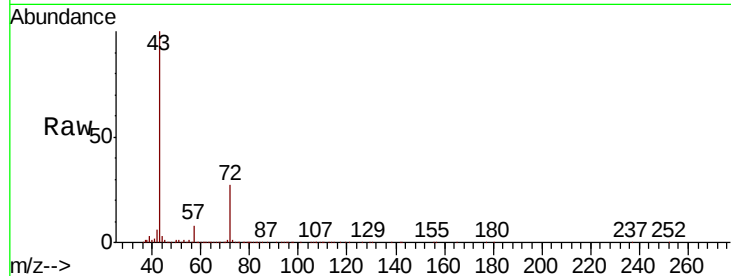
VX1204WBSD01

Tot Ion: 43 Resp: 443823

Ion Ratio Lower Upper

43 100

72 26.6 22.6 33.8



#26

2,2-Dichloropropane

Concen: 17.745 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX006283.D

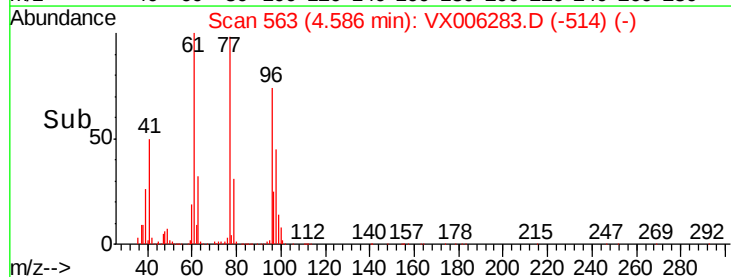
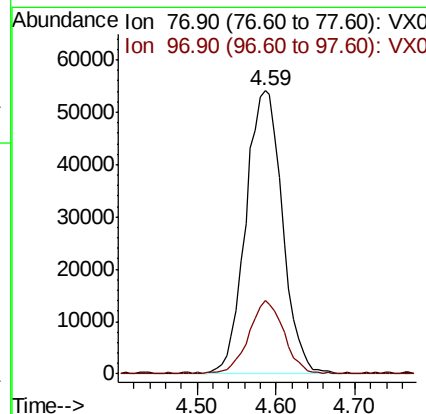
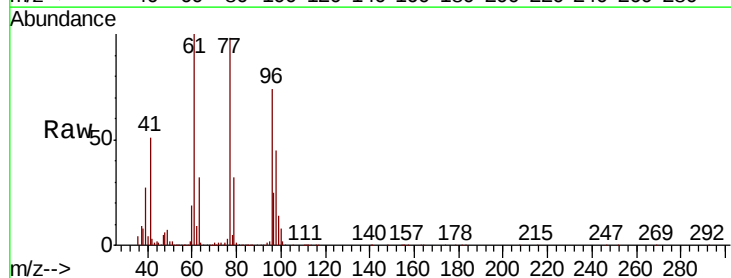
Acq: 04 Dec 2018 17:21

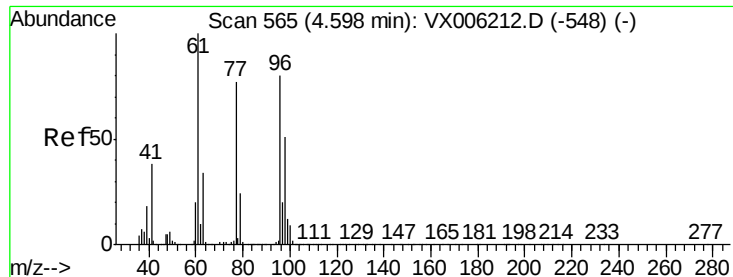
Tgt Ion: 77 Resp: 174964

Ion Ratio Lower Upper

77 100

97 24.6 12.3 36.8



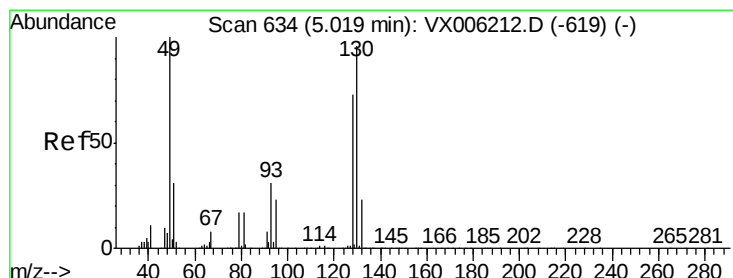
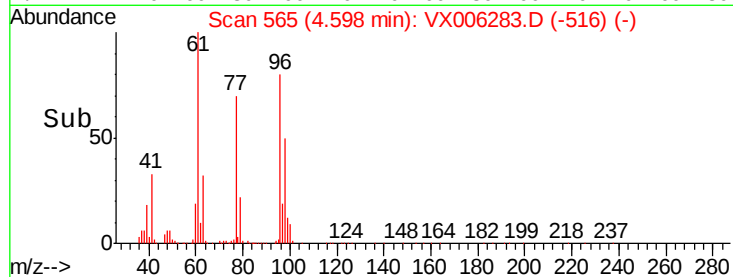
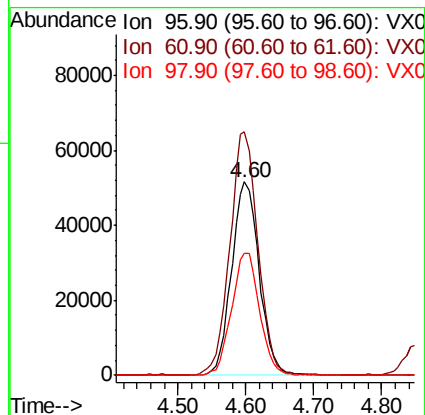
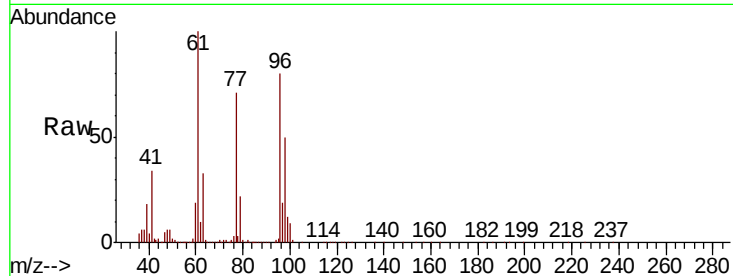


#27

cis-1,2-Dichloroethene
Concen: 20.228 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX006283.D
Acq: 04 Dec 2018 17:21

Instrument :
MSVOA_X
ClientSampleId :
VX1204WBSD01

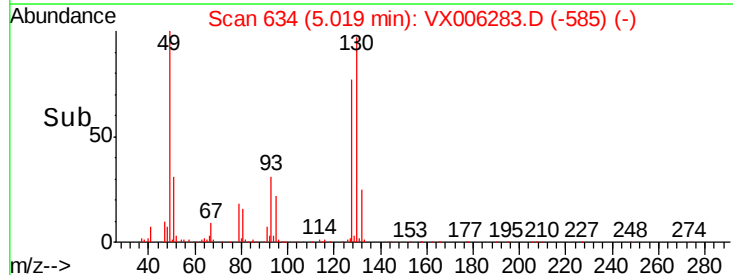
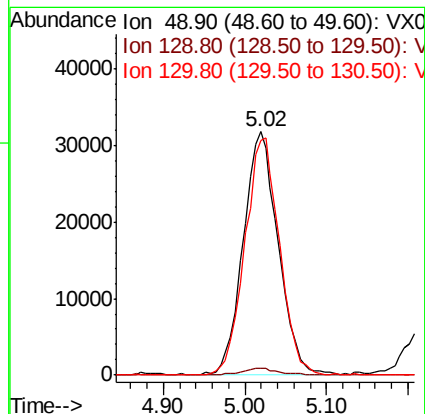
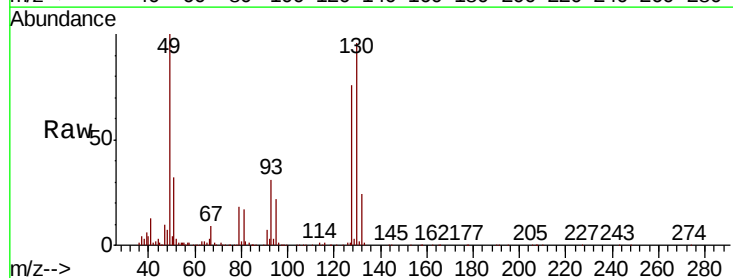
Tot Ion	Ratio	Lower	Upper
96	100		
61	127.7	0.0	265.0
98	63.8	0.0	130.2

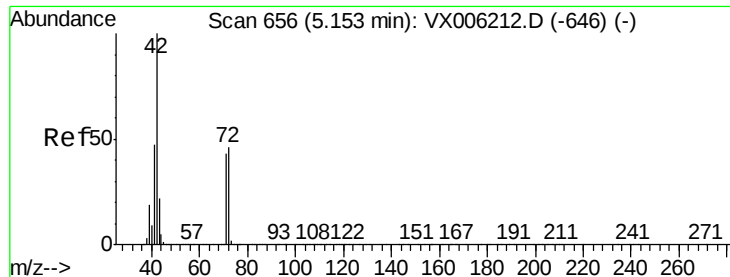


#28

Bromochloromethane
Concen: 20.345 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX006283.D
Acq: 04 Dec 2018 17:21

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	5.0
130	96.4	78.3	117.5





#29

Tetrahydrofuran

Concen: 92.351 ug/l

RT: 5.15 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX006283.D

Acq: 04 Dec 2018 17:21

Instrument :

MSVOA_X

ClientSampled :

VX1204WBSD01

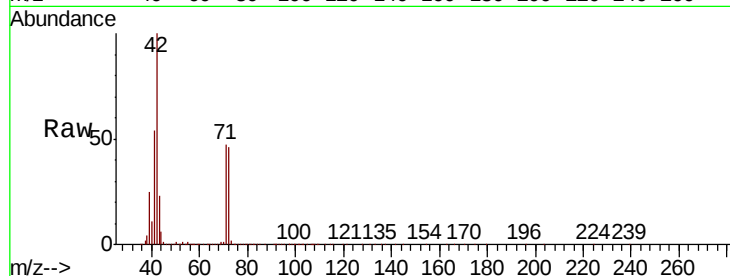
Tot Ion: 42 Resp: 293728

Ion Ratio Lower Upper

42 100

72 48.8 37.8 56.8

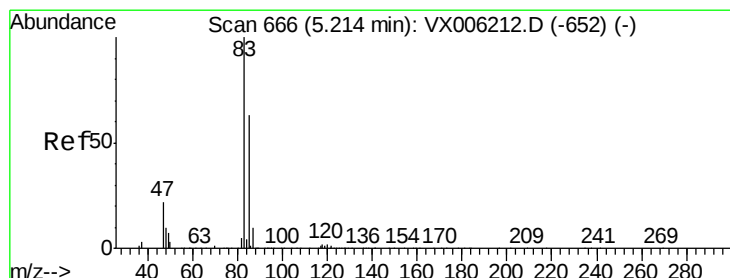
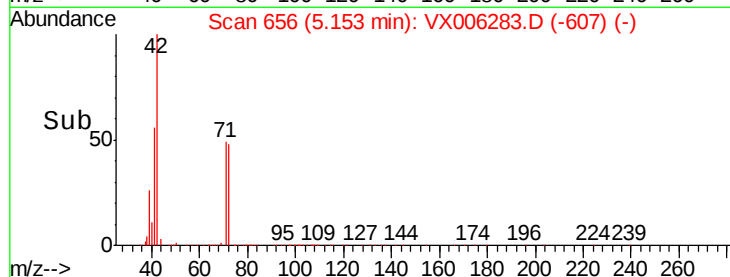
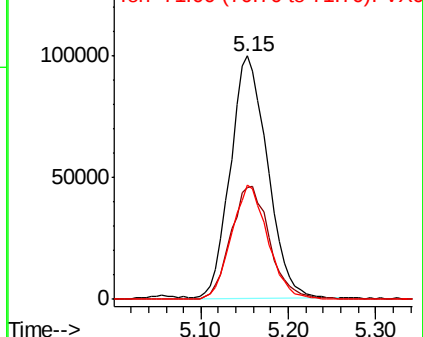
71 46.0 35.2 52.8



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 19.630 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.00 min

Lab File: VX006283.D

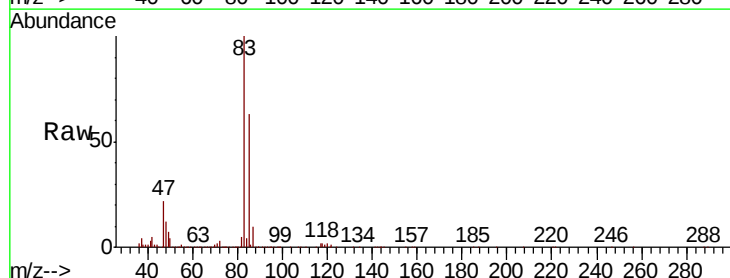
Acq: 04 Dec 2018 17:21

Tgt Ion: 83 Resp: 220389

Ion Ratio Lower Upper

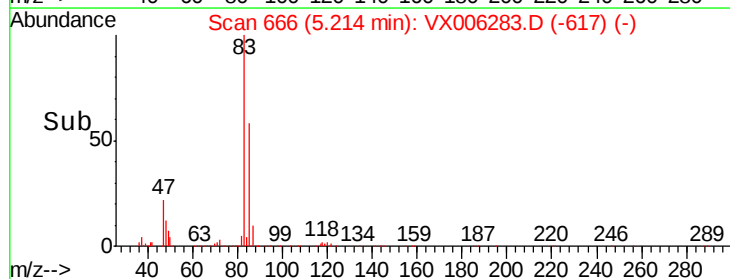
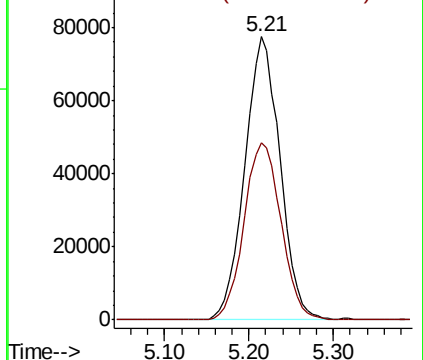
83 100

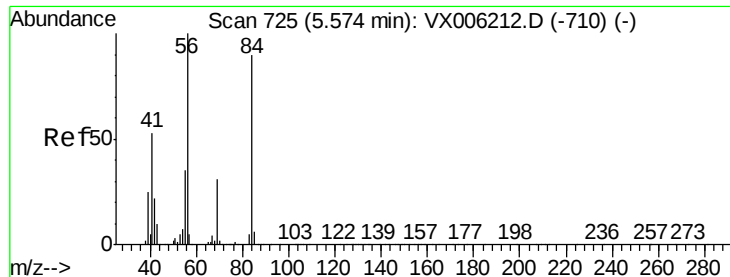
85 62.7 50.3 75.5



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

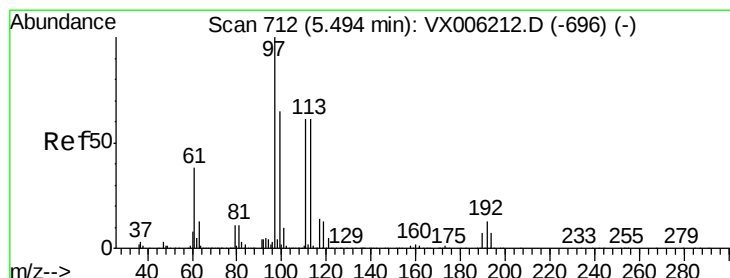
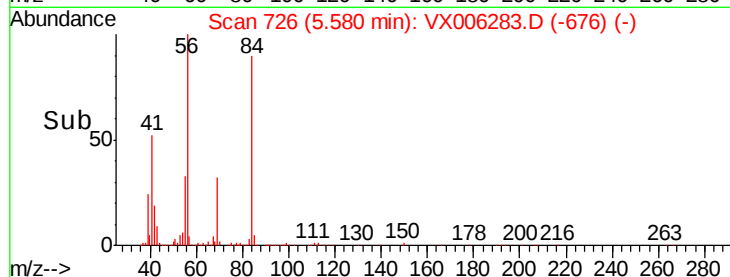
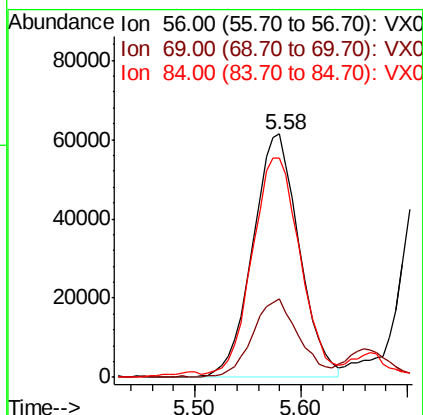
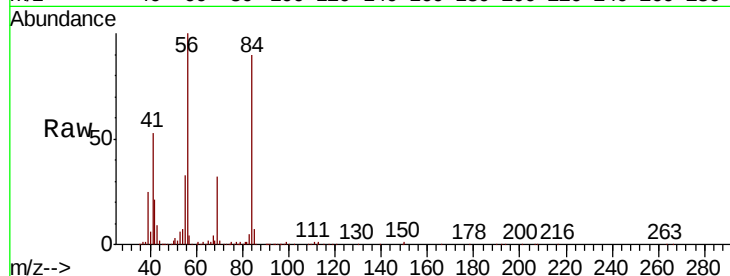




#31
Cyclohexane
Concen: 18.887 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.01 min
Lab File: VX006283.D
Acq: 04 Dec 2018 17:21

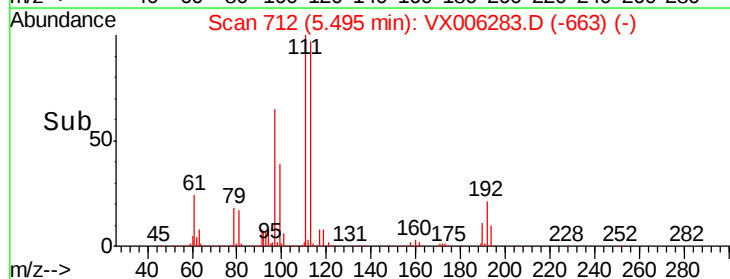
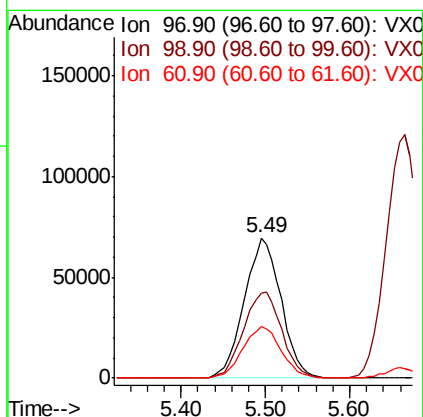
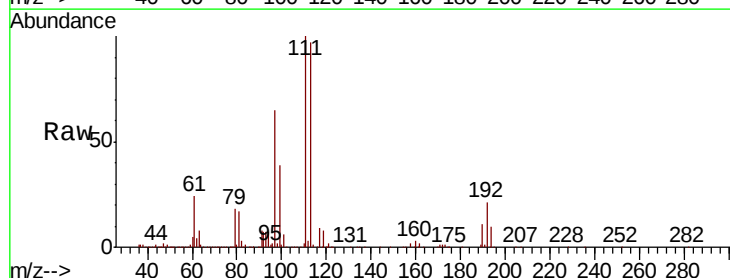
Instrument :
MSVOA_X
ClientSampleId :
VX1204WBSD01

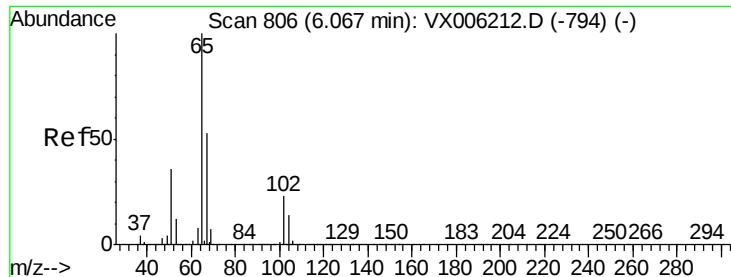
Tot Ion: 56 Resp: 186474
Ion Ratio Lower Upper
56 100
69 31.9 24.5 36.7
84 87.8 71.8 107.6



#32
1,1,1-Trichloroethane
Concen: 19.254 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX006283.D
Acq: 04 Dec 2018 17:21

Tgt Ion: 97 Resp: 205673
Ion Ratio Lower Upper
97 100
99 64.1 51.6 77.4
61 37.9 30.6 46.0





#33

1,2-Dichloroethane-d4

Concen: 51.950 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX006283.D

Acq: 04 Dec 2018 17:21

Instrument :

MSVOA_X

ClientSampleId :

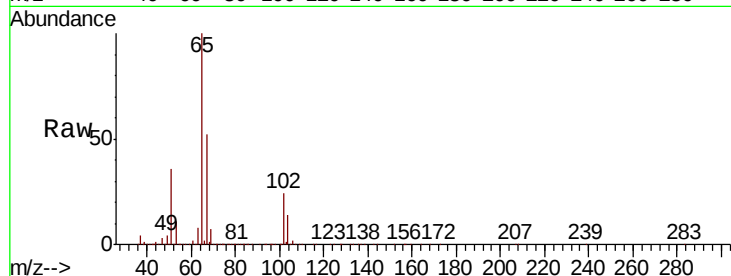
VX1204WBSD01

Tot Ion: 65 Resp: 355038

Ion Ratio Lower Upper

65 100

67 53.0 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

150000

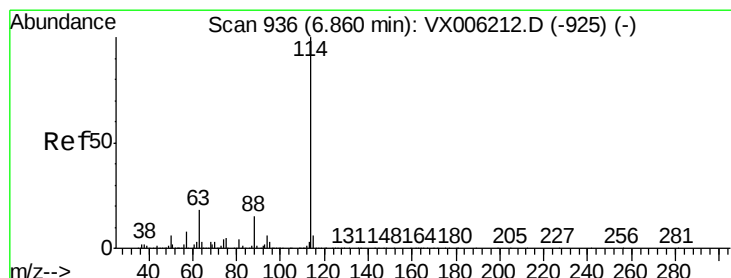
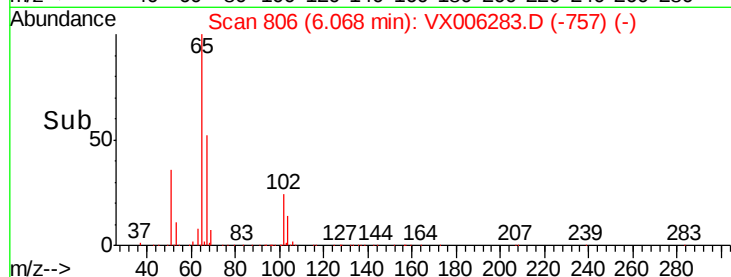
100000

50000

0

6.00 6.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX006283.D

Acq: 04 Dec 2018 17:21

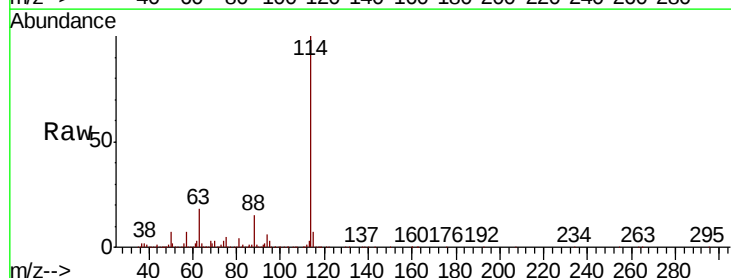
Tgt Ion: 114 Resp: 1014266

Ion Ratio Lower Upper

114 100

63 17.5 0.0 36.6

88 15.4 0.0 29.0



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

6.86

600000

500000

400000

300000

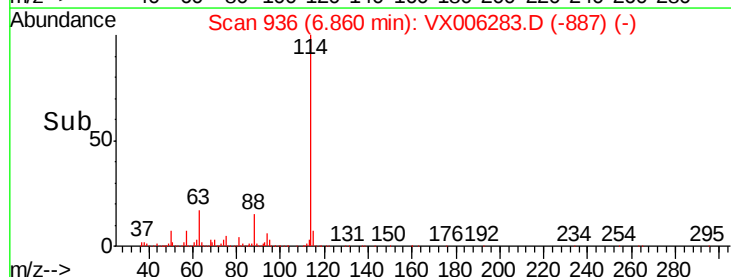
200000

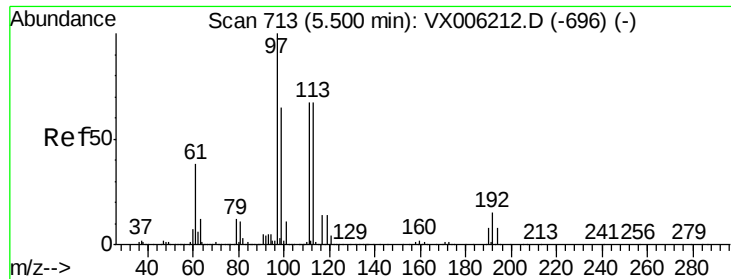
100000

0

6.80 6.90 7.00

Time-->





#35

Dibromofluoromethane

Concen: 51.317 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX006283.D

Acq: 04 Dec 2018 17:21

Instrument :

MSVOA_X

ClientSampleId :

VX1204WBSD01

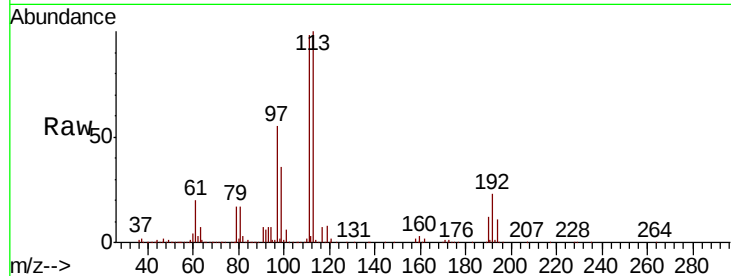
Tot Ion:113 Resp: 336997

Ion Ratio Lower Upper

113 100

111 101.1 81.1 121.7

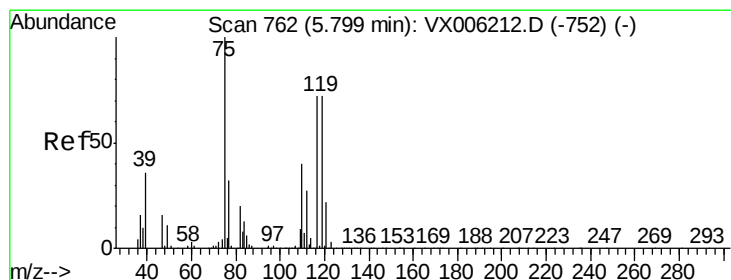
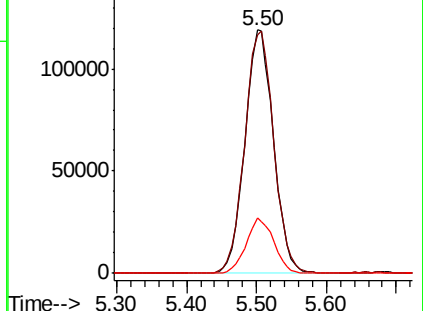
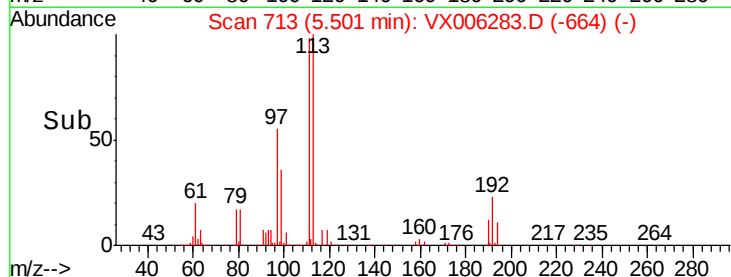
192 22.1 18.2 27.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 18.380 ug/l

RT: 5.80 min Scan# 762

Delta R.T. 0.00 min

Lab File: VX006283.D

Acq: 04 Dec 2018 17:21

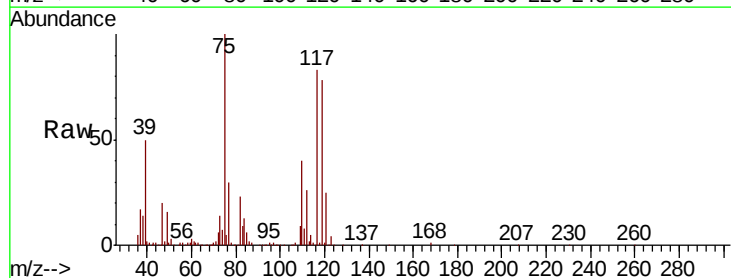
Tgt Ion: 75 Resp: 156987

Ion Ratio Lower Upper

75 100

110 40.8 20.4 61.3

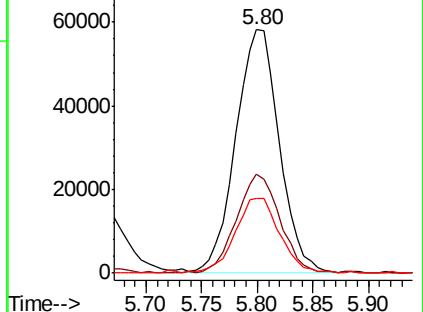
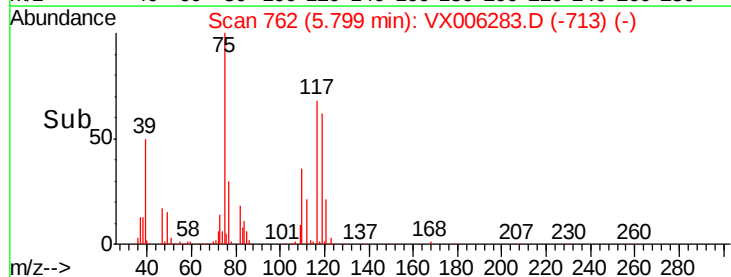
77 31.5 24.9 37.3

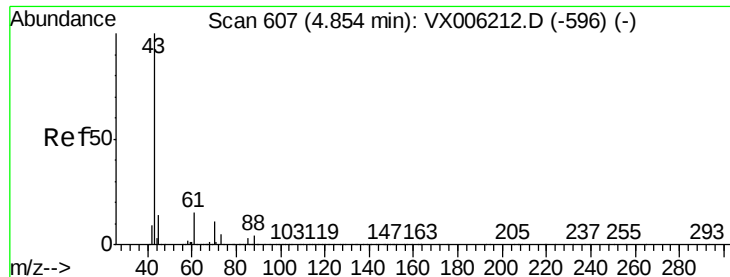


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

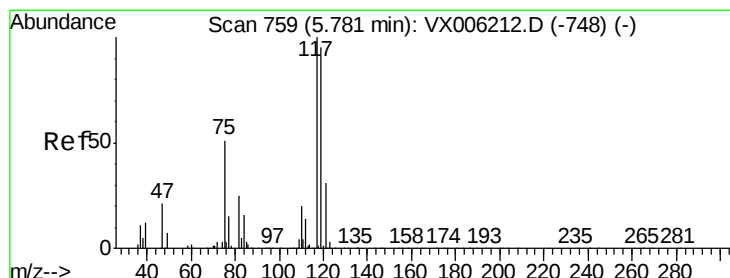
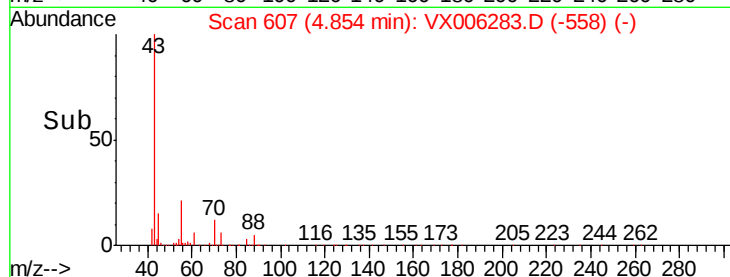
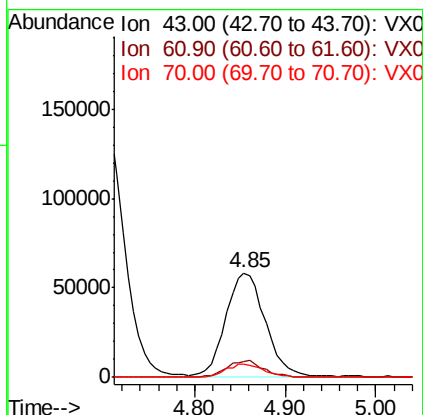
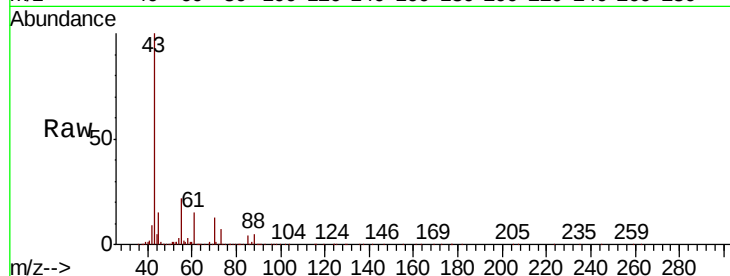




#37
Ethyl Acetate
Concen: 18.211 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX006283.D
Acq: 04 Dec 2018 17:21

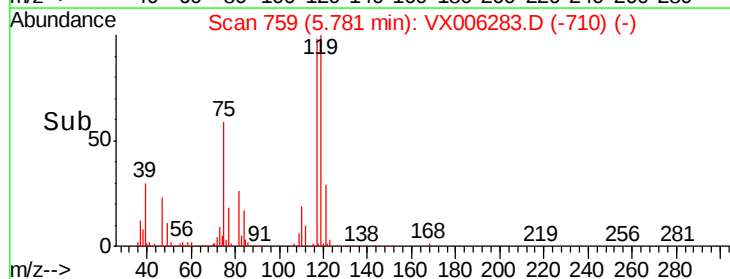
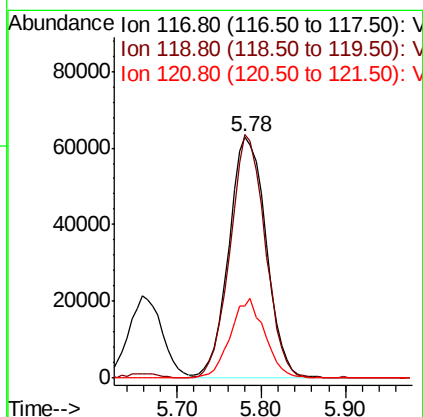
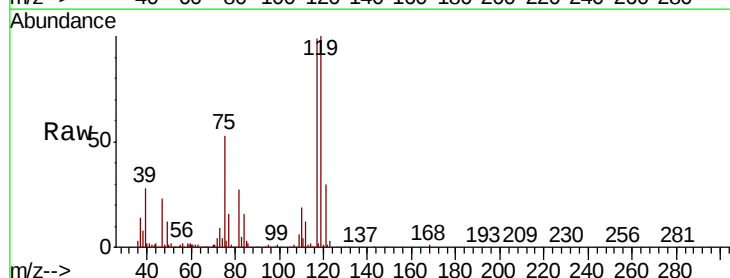
Instrument :
MSVOA_X
ClientSampleId :
VX1204WBSD01

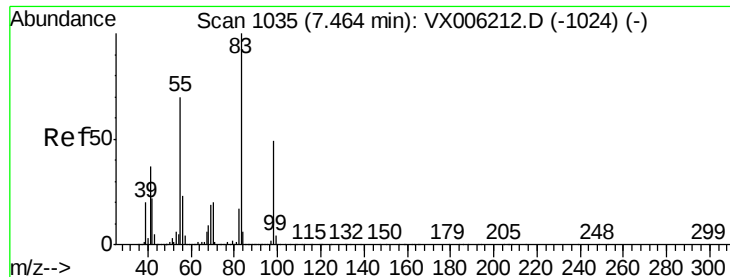
Tot Ion: 43 Resp: 174184
Ion Ratio Lower Upper
43 100
61 14.9 11.5 17.3
70 12.7 9.0 13.6



#38
Carbon Tetrachloride
Concen: 18.761 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX006283.D
Acq: 04 Dec 2018 17:21

Tgt Ion: 117 Resp: 188508
Ion Ratio Lower Upper
117 100
119 100.7 75.8 113.8
121 29.8 24.6 37.0

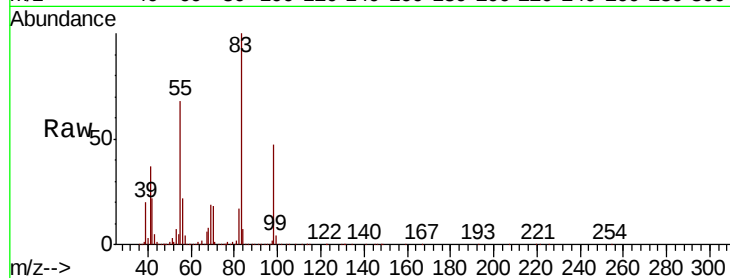




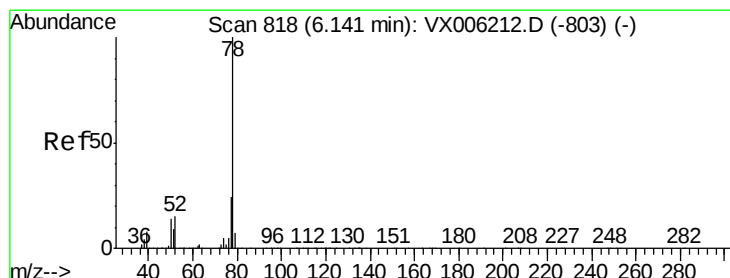
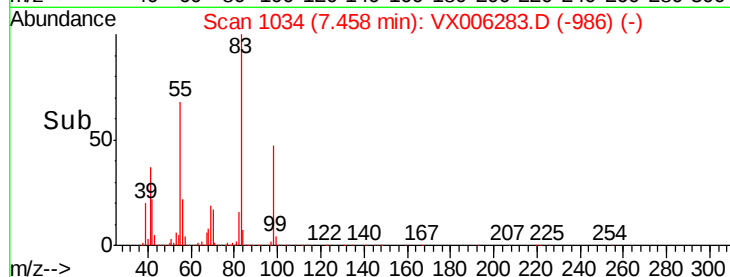
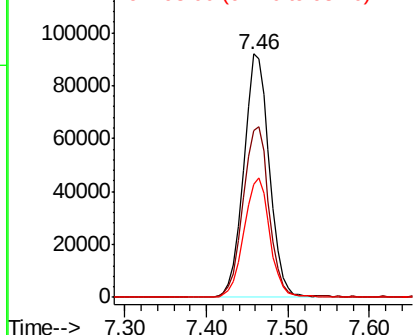
#39
Methvlcvclohexane
Concen: 18.165 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX006283.D
Acq: 04 Dec 2018 17:21

Instrument :
MSVOA_X
ClientSampleId :
VX1204WBSD01

Tot Ion: 83 Resp: 201390
Ion Ratio Lower Upper
83 100
55 68.2 56.4 84.6
98 46.5 39.0 58.6

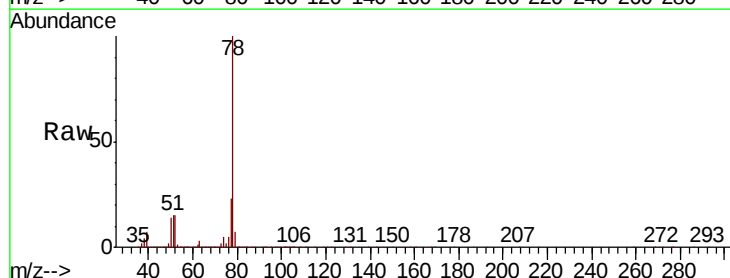


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

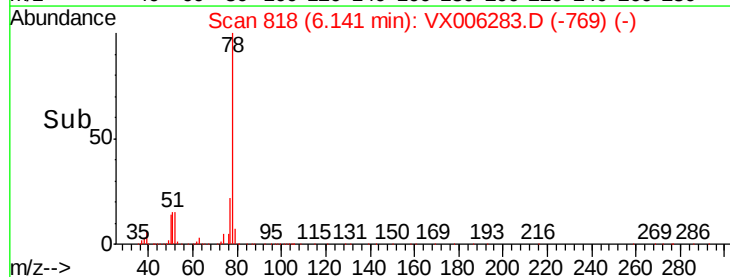
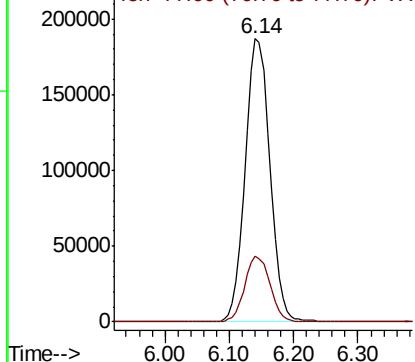


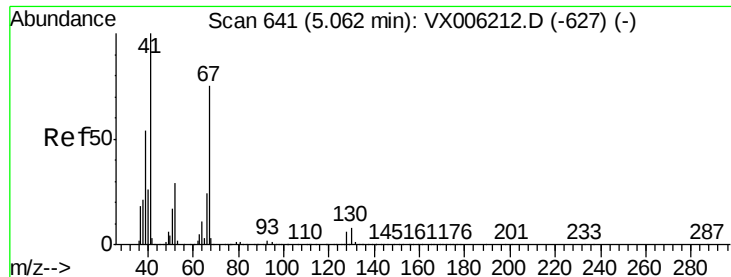
#40
Benzene
Concen: 19.183 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX006283.D
Acq: 04 Dec 2018 17:21

Tgt Ion: 78 Resp: 490726
Ion Ratio Lower Upper
78 100
77 23.0 19.2 28.8



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0





#41

Methacrylonitrile

Concen: 18.010 ug/l

RT: 5.06 min Scan# 640

Delta R.T. -0.01 min

Lab File: VX006283.D

Acq: 04 Dec 2018 17:21

Instrument :

MSVOA_X

ClientSampleId :

VX1204WBSD01

Tot Ion: 41 Resp: 94787

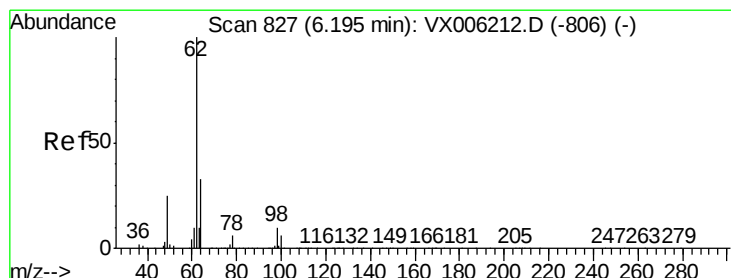
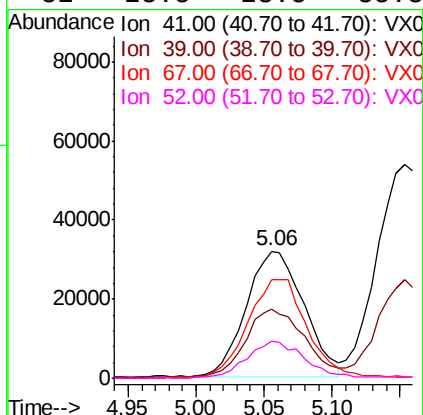
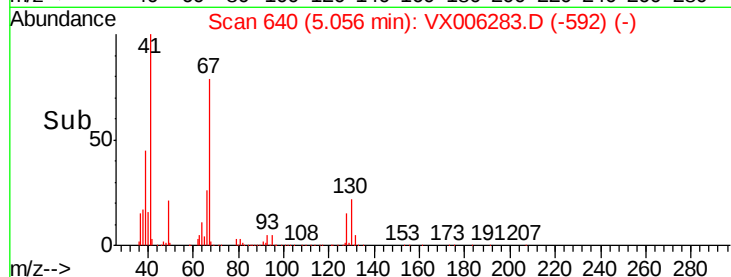
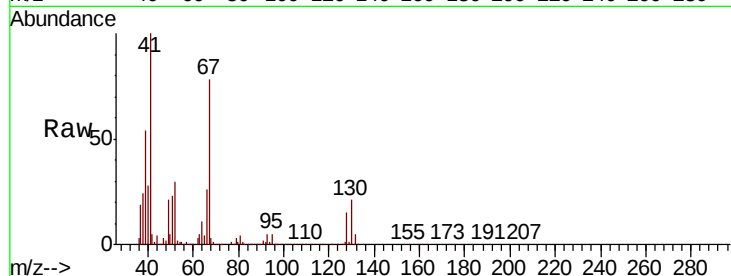
Ion Ratio Lower Upper

41 100

39 55.6 44.0 66.0

67 79.0 61.4 92.0

52 28.5 23.5 35.3



#42

1,2-Dichloroethane

Concen: 19.429 ug/l

RT: 6.20 min Scan# 827

Delta R.T. 0.00 min

Lab File: VX006283.D

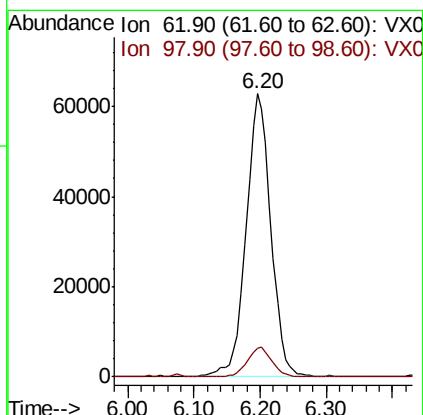
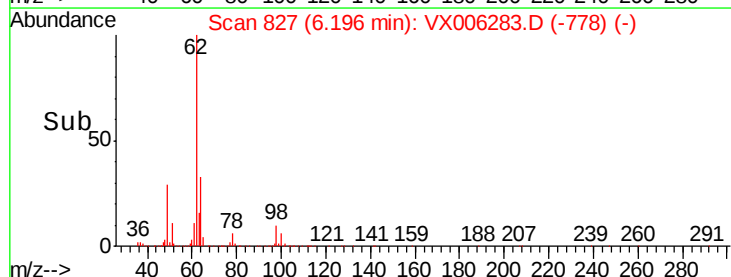
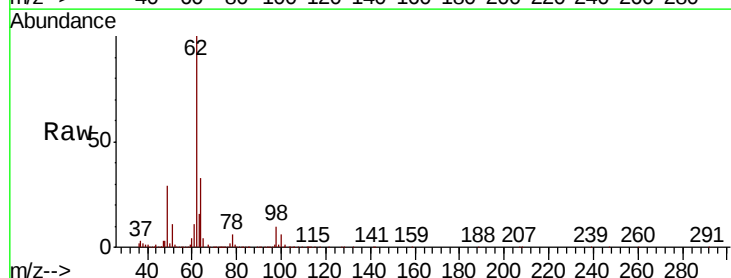
Acq: 04 Dec 2018 17:21

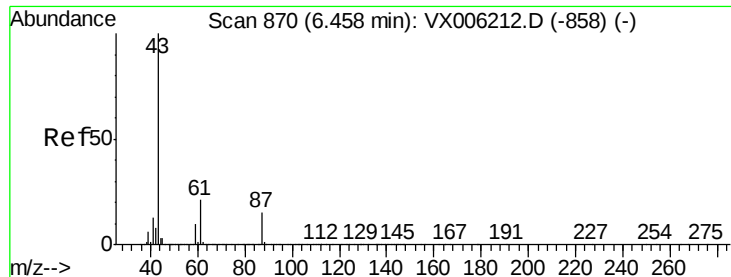
Tgt Ion: 62 Resp: 162666

Ion Ratio Lower Upper

62 100

98 10.5 0.0 20.2



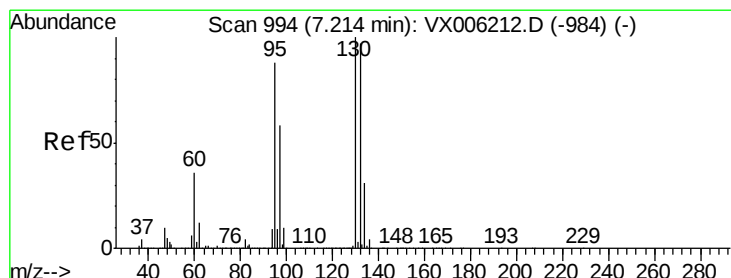
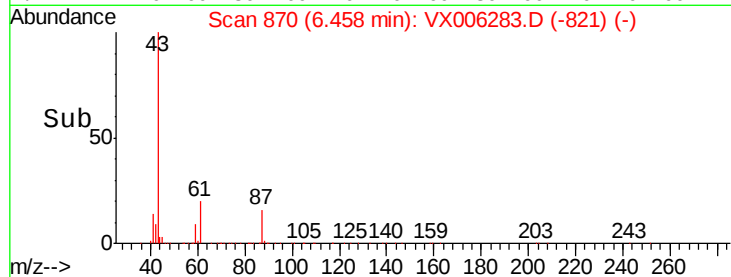
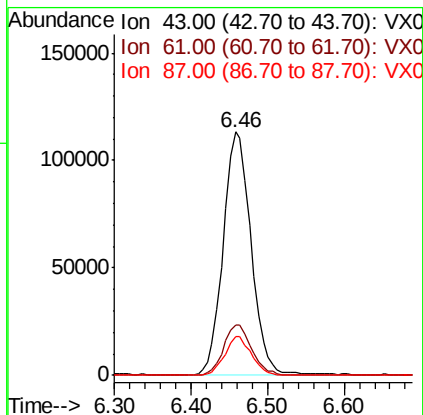
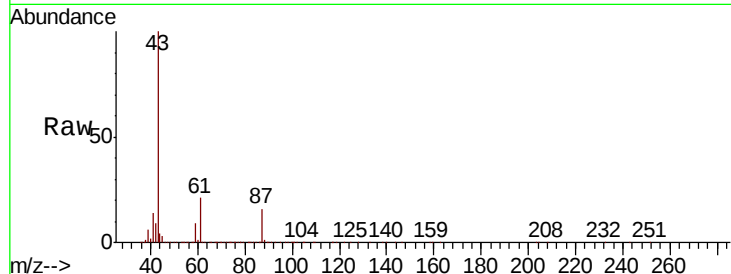


#43

Isopropyl Acetate
 Concen: 17.863 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. 0.00 min
 Lab File: VX006283.D
 Acq: 04 Dec 2018 17:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1204WBSD01

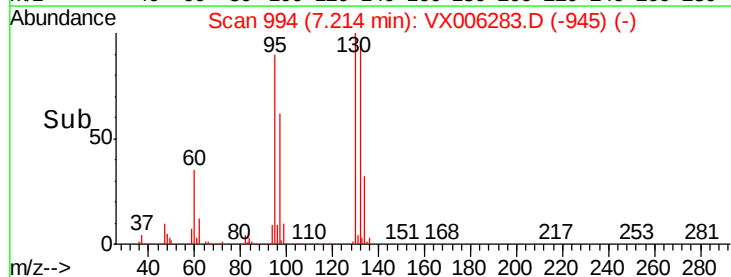
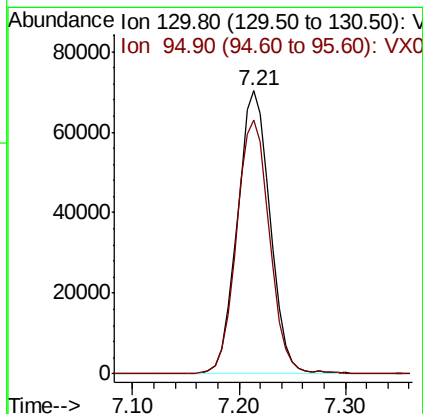
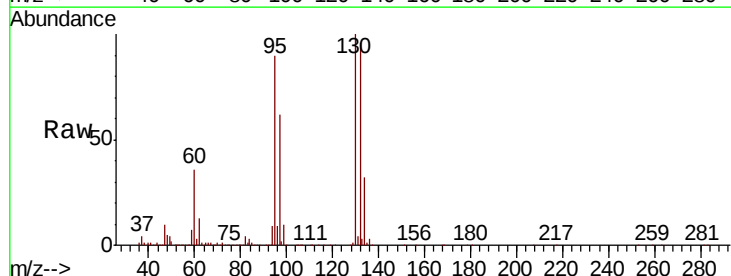
Tot Ion	Ratio	Lower	Upper
43	100		
61	20.8	16.8	25.2
87	15.3	11.9	17.9

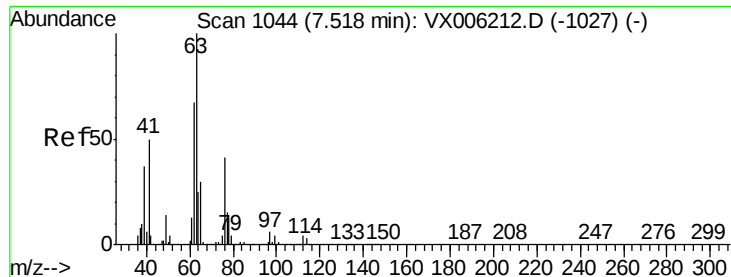


#44

Trichloroethene
 Concen: 19.592 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX006283.D
 Acq: 04 Dec 2018 17:21

Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.7	0.0	175.8

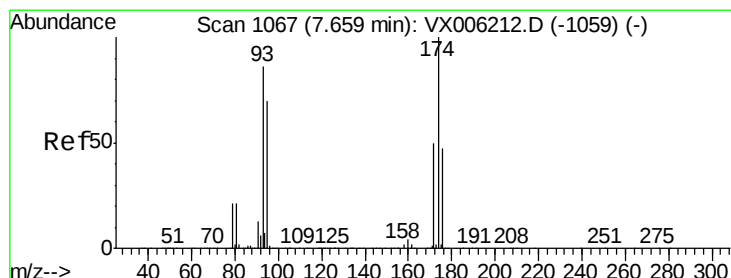
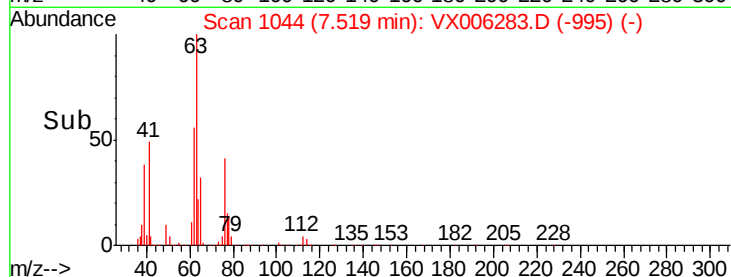
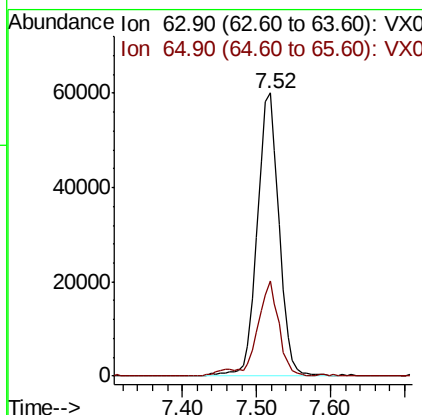
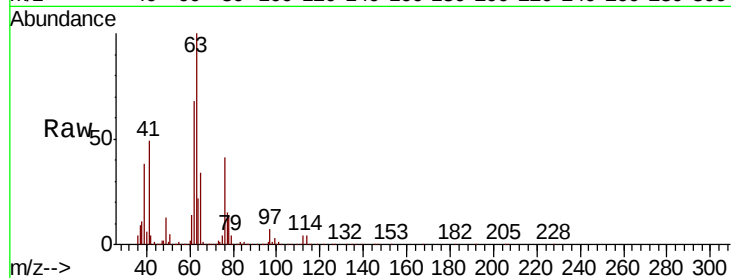




#45
 1,2-Dichloropropane
 Concen: 18.921 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. 0.00 min
 Lab File: VX006283.D
 Acq: 04 Dec 2018 17:21

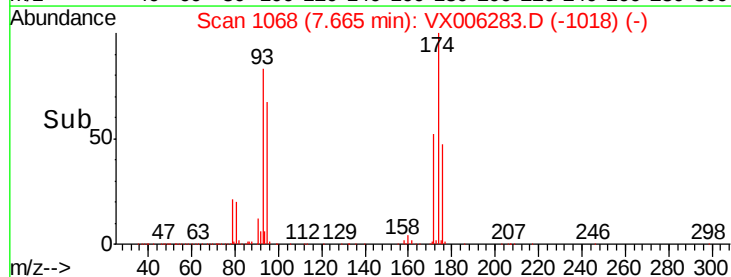
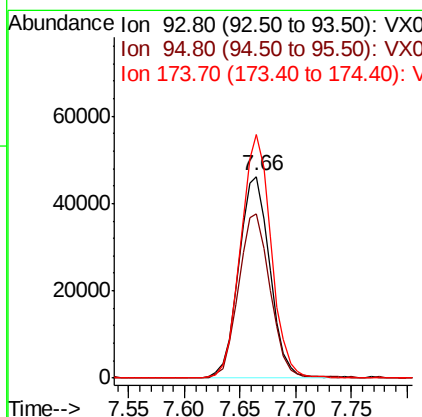
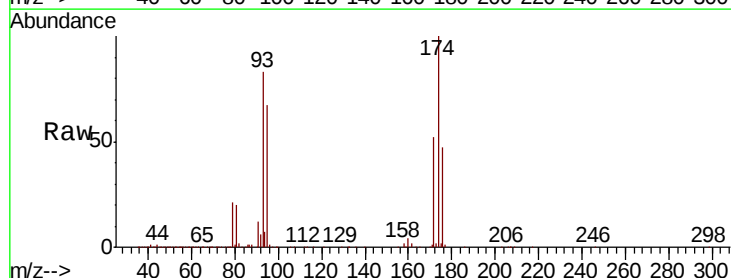
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1204WBSD01

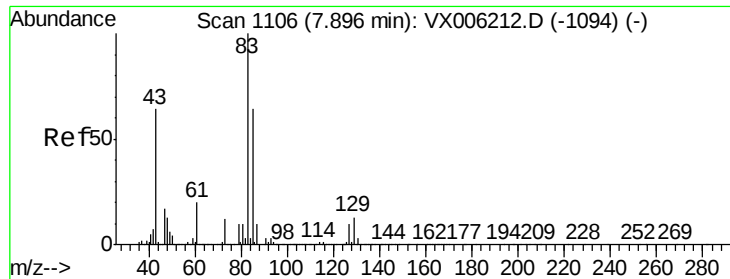
Tot Ion: 63 Resp: 123017
 Ion Ratio Lower Upper
 63 100
 65 33.6 24.3 36.5



#46
 Dibromomethane
 Concen: 19.153 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.01 min
 Lab File: VX006283.D
 Acq: 04 Dec 2018 17:21

Tgt Ion: 93 Resp: 89933
 Ion Ratio Lower Upper
 93 100
 95 81.9 66.2 99.4
 174 117.7 97.2 145.8





#47

Bromodichloromethane

Concen: 18.356 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VX006283.D

Acq: 04 Dec 2018 17:21

Instrument :

MSVOA_X

ClientSampleId :

VX1204WBSD01

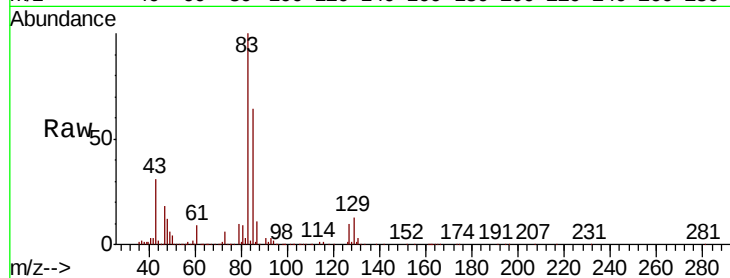
Tot Ion: 83 Resp: 166910

Ion Ratio Lower Upper

83 100

85 64.2 51.4 77.0

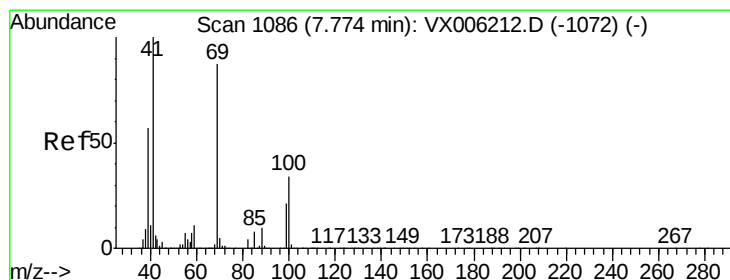
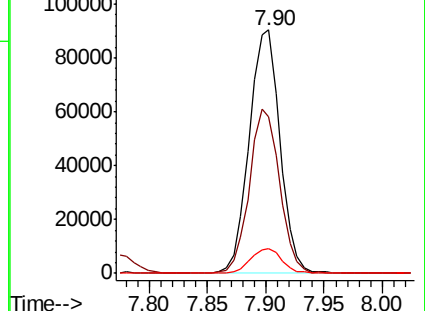
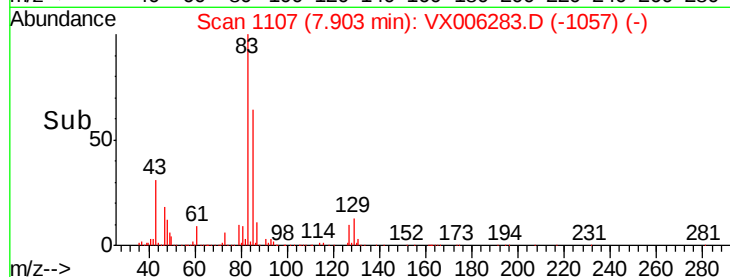
127 10.2 7.9 11.9



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 18.095 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX006283.D

Acq: 04 Dec 2018 17:21

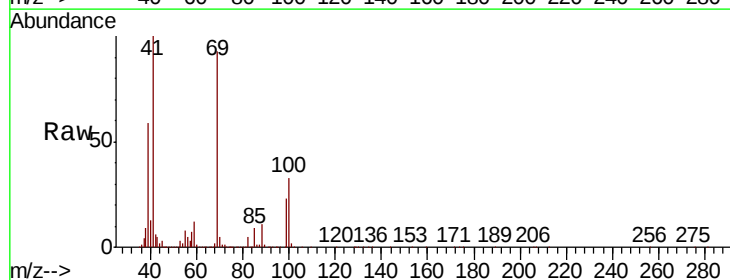
Tgt Ion: 41 Resp: 140386

Ion Ratio Lower Upper

41 100

69 92.6 70.3 105.5

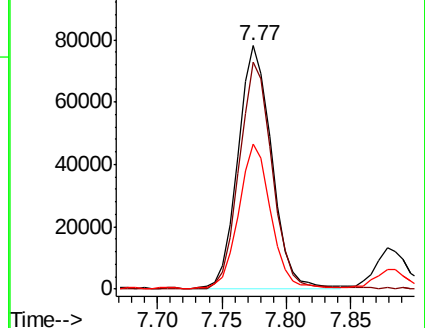
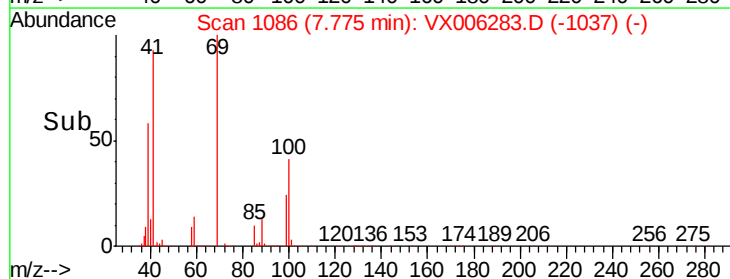
39 56.7 45.3 67.9

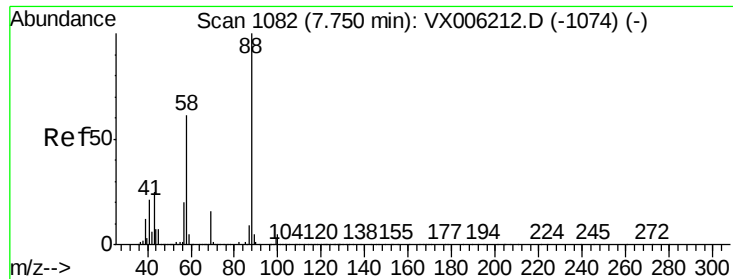


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 371.634 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX006283.D

Acq: 04 Dec 2018 17:21

Instrument :

MSVOA_X

ClientSampleId :

VX1204WBSD01

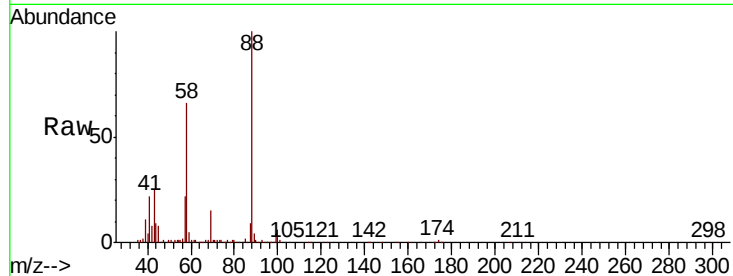
Tot Ion: 88 Resp: 71062

Ion Ratio Lower Upper

88 100

43 27.4 23.2 34.8

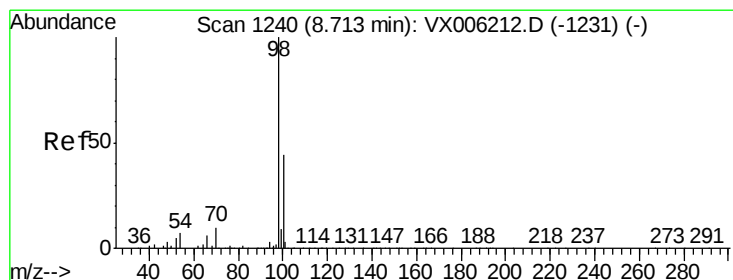
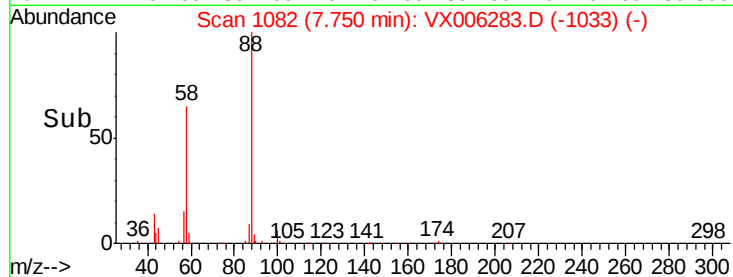
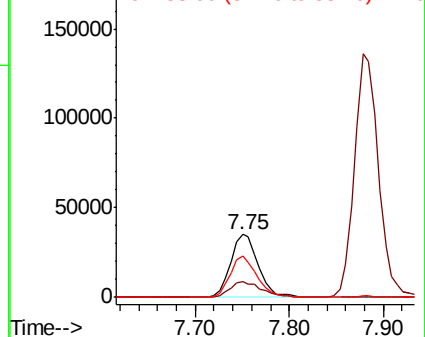
58 63.7 51.4 77.0



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 51.515 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX006283.D

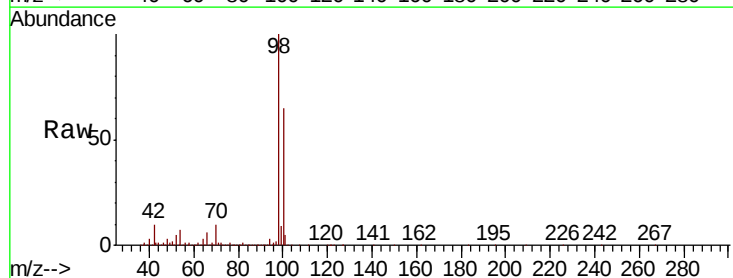
Acq: 04 Dec 2018 17:21

Tgt Ion: 98 Resp: 1230525

Ion Ratio Lower Upper

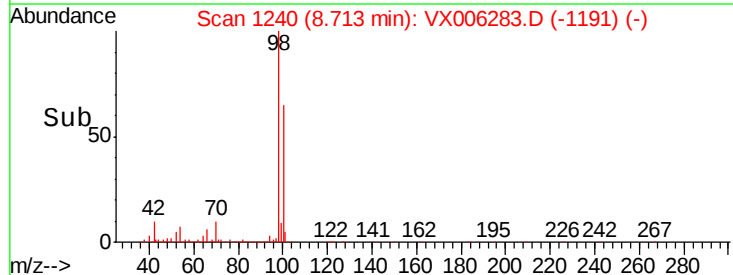
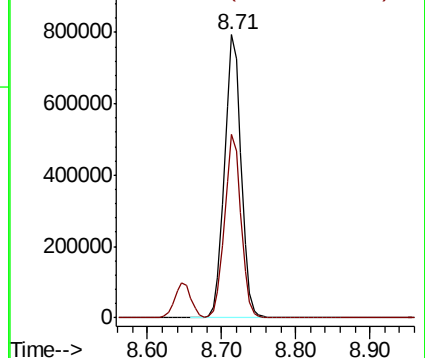
98 100

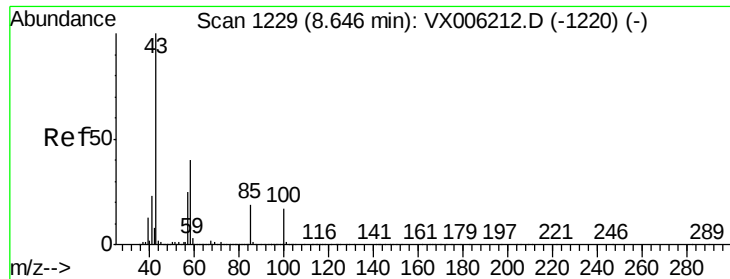
100 64.1 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 93.309 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX006283.D

Acq: 04 Dec 2018 17:21

Instrument :

MSVOA_X

ClientSampleId :

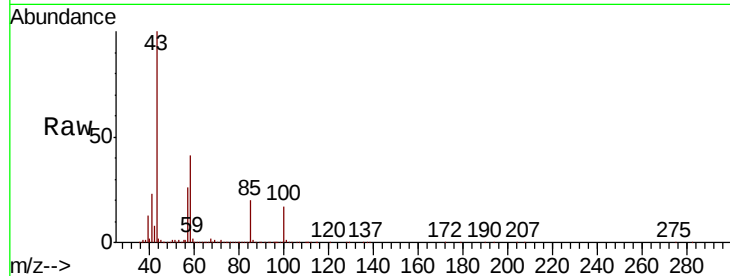
VX1204WBSD01

Tot Ion: 43 Resp: 866264

Ion Ratio Lower Upper

43 100

58 40.3 31.3 46.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.65

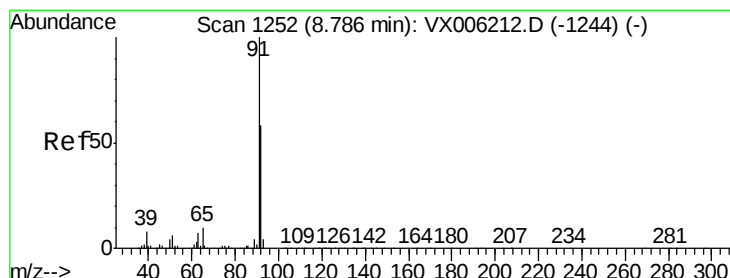
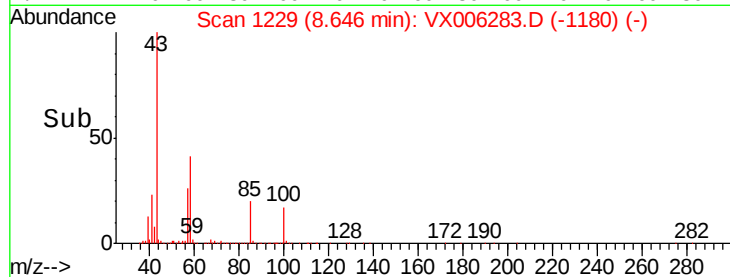
600000

400000

200000

0

Time--> 8.55 8.60 8.65 8.70



#52

Toluene

Concen: 18.825 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX006283.D

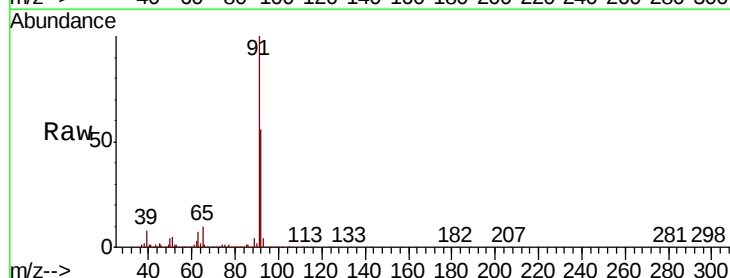
Acq: 04 Dec 2018 17:21

Tgt Ion: 92 Resp: 316829

Ion Ratio Lower Upper

92 100

91 174.2 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

400000

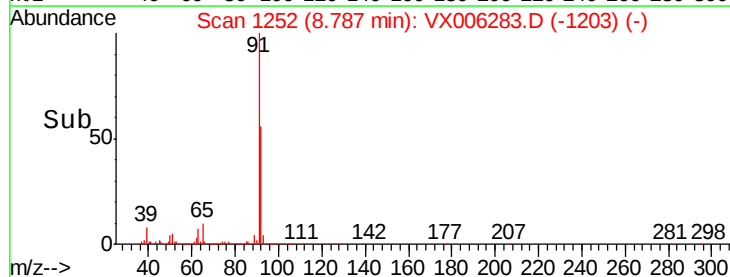
300000

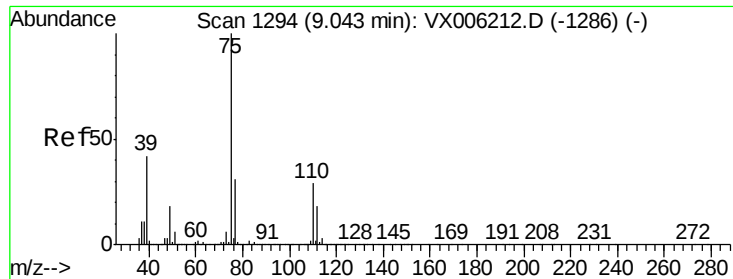
200000

100000

0

Time--> 8.70 8.75 8.80 8.85 8.90

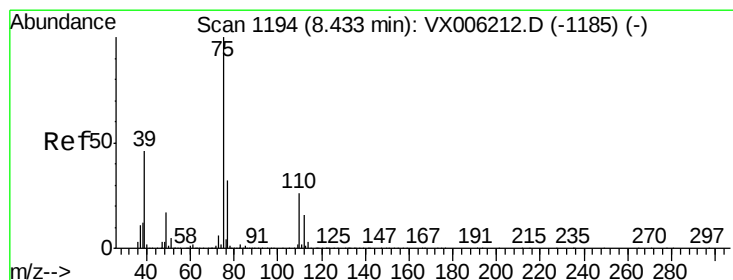
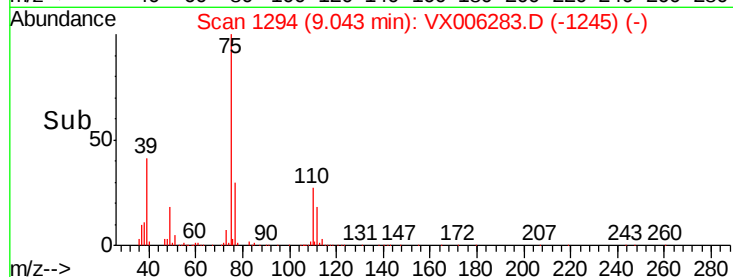
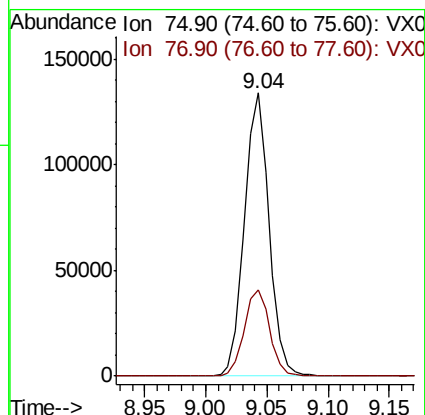
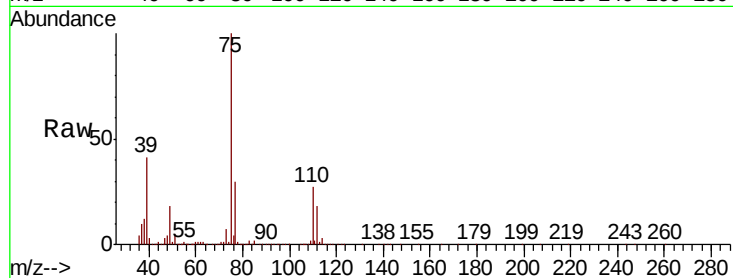




#53
 t-1,3-Dichloropropene
 Concen: 17.641 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. 0.00 min
 Lab File: VX006283.D
 Acq: 04 Dec 2018 17:21

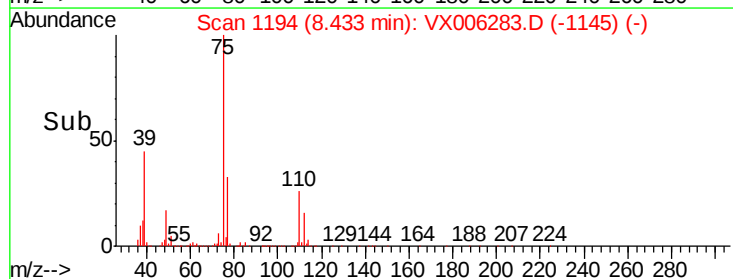
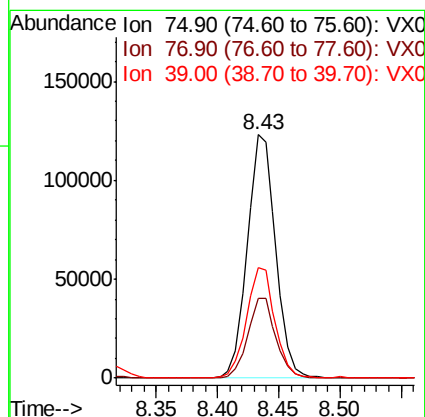
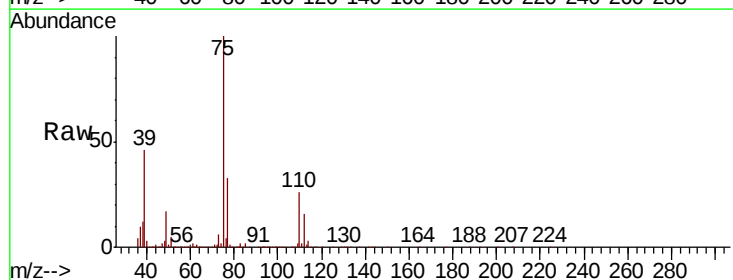
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1204WBSD01

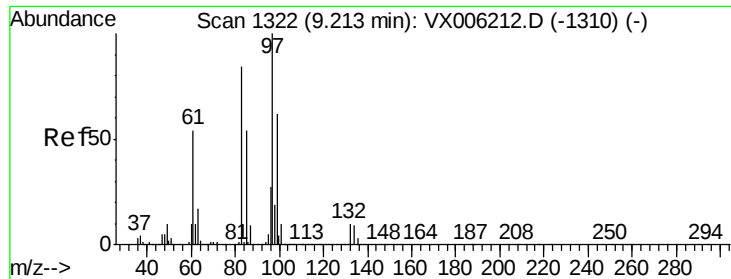
Tot Ion: 75 Resp: 187602
 Ion Ratio Lower Upper
 75 100
 77 30.1 25.0 37.4



#54
 cis-1,3-Dichloropropene
 Concen: 17.944 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX006283.D
 Acq: 04 Dec 2018 17:21

Tgt Ion: 75 Resp: 198149
 Ion Ratio Lower Upper
 75 100
 77 32.9 25.6 38.4
 39 45.4 36.5 54.7





#55

1,1,2-Trichloroethane

Concen: 19.701 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VX006283.D

Acq: 04 Dec 2018 17:21

Instrument :

MSVOA_X

ClientSampleId :

VX1204WBSD01

Tot Ion: 97 Resp: 134705

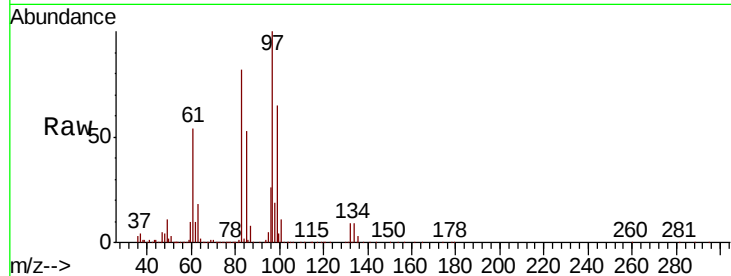
Ion Ratio Lower Upper

97 100

83 81.5 67.1 100.7

85 53.0 43.2 64.8

99 64.6 49.8 74.6

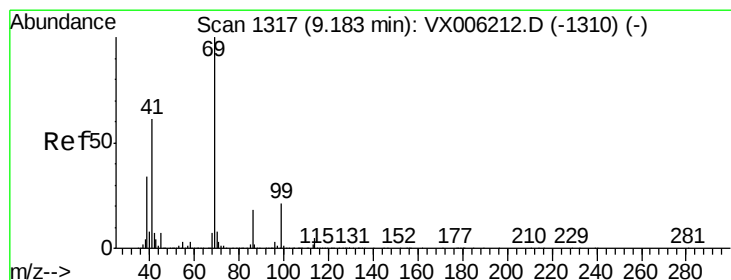
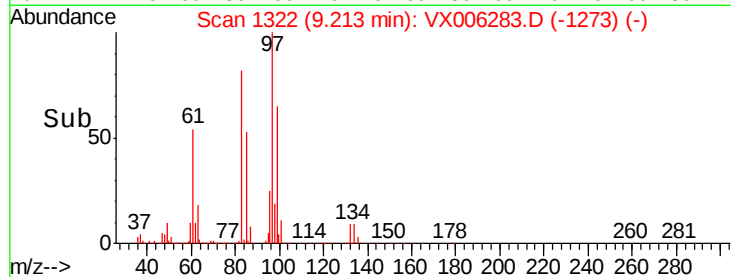
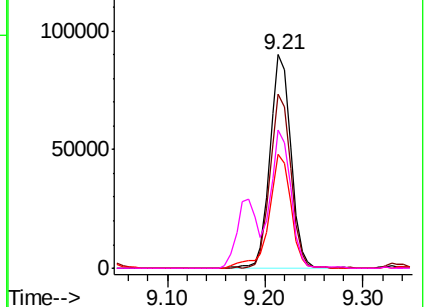


Abundance Ion 96.90 (96.60 to 97.60): VX0

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: 18.716 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VX006283.D

Acq: 04 Dec 2018 17:21

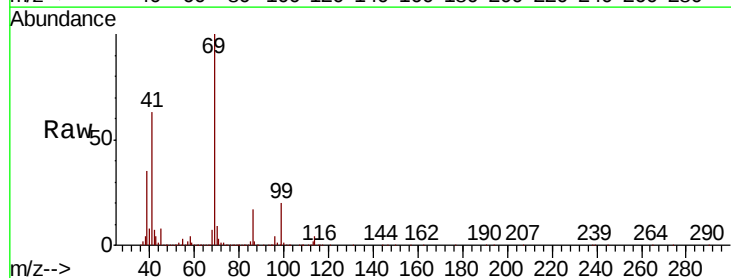
Tgt Ion: 69 Resp: 200052

Ion Ratio Lower Upper

69 100

41 61.9 50.6 76.0

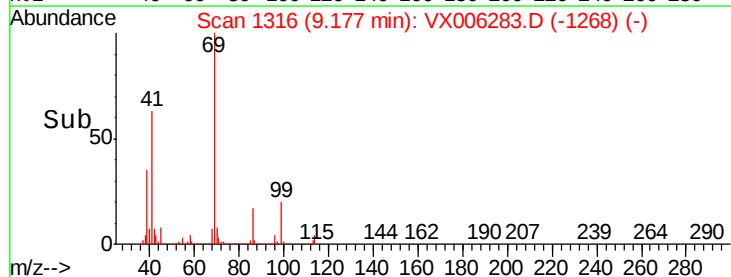
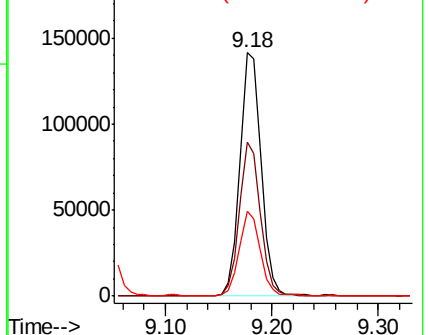
39 33.8 27.6 41.4

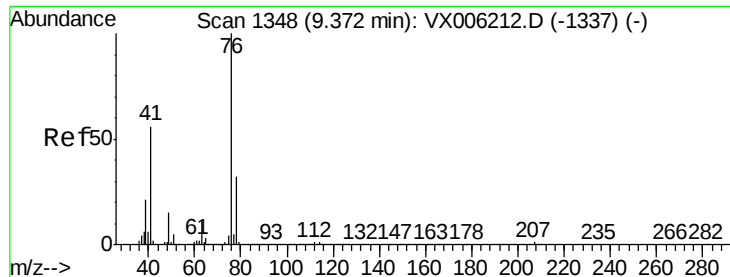


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 19.298 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX006283.D

Acq: 04 Dec 2018 17:21

Instrument :

MSVOA_X

ClientSampleId :

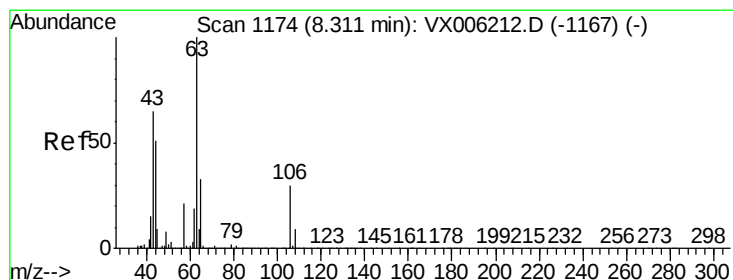
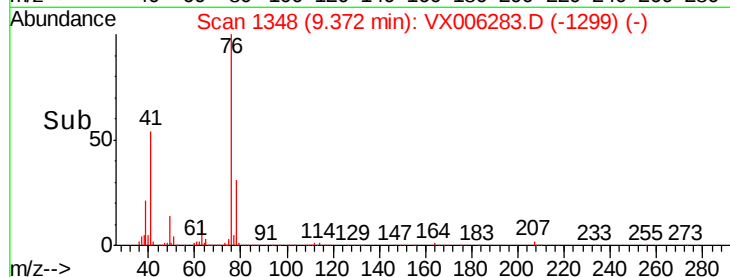
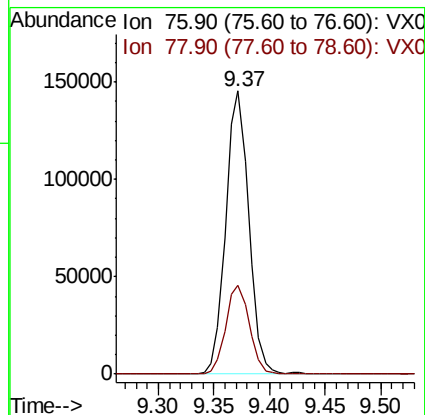
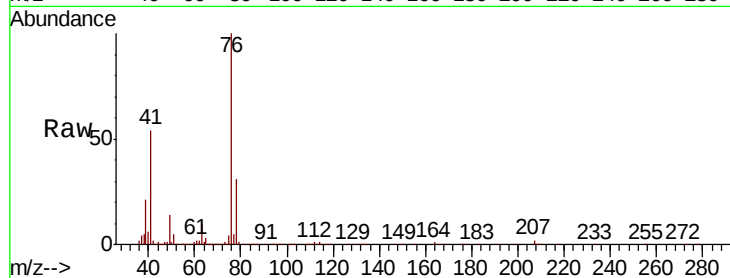
VX1204WBSD01

Tot Ion: 76 Resp: 208645

Ion Ratio Lower Upper

76 100

78 32.2 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 96.094 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX006283.D

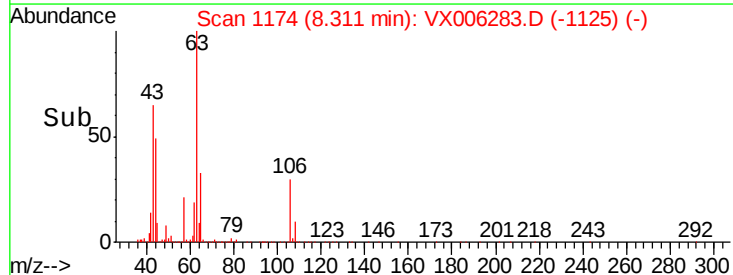
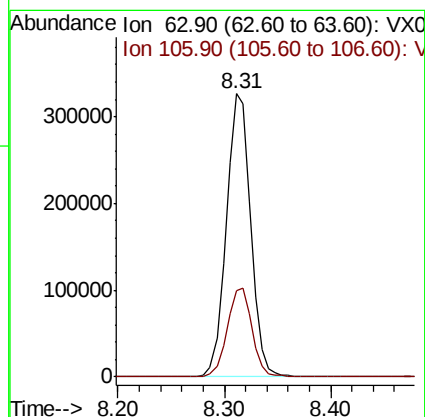
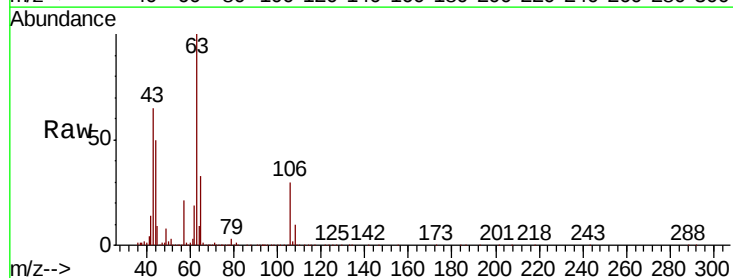
Acq: 04 Dec 2018 17:21

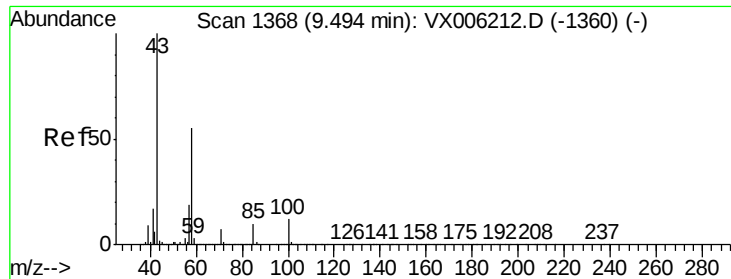
Tgt Ion: 63 Resp: 521221

Ion Ratio Lower Upper

63 100

106 31.9 24.9 37.3





#59

2-Hexanone

Concen: 94.004 ug/l

RT: 9.49 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VX006283.D

Acq: 04 Dec 2018 17:21

Instrument :

MSVOA_X

ClientSampleId :

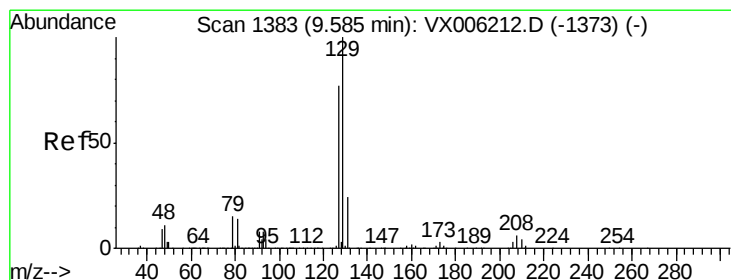
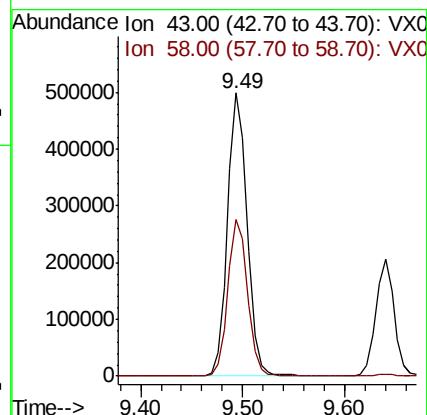
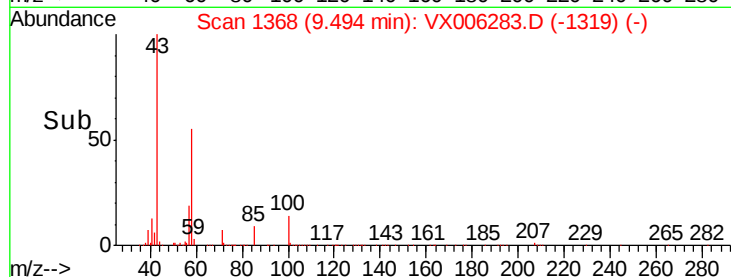
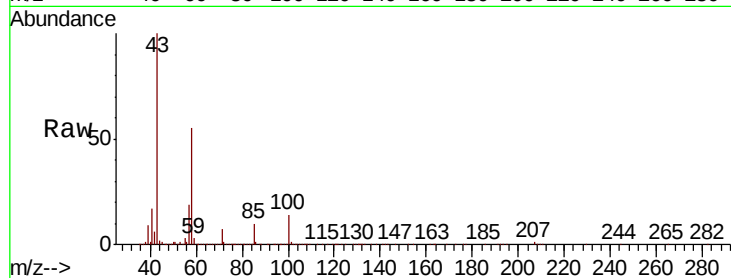
VX1204WBSD01

Tot Ion: 43 Resp: 666753

Ion Ratio Lower Upper

43 100

58 55.6 27.7 83.1



#60

Dibromochloromethane

Concen: 18.142 ug/l

RT: 9.59 min Scan# 1383

Delta R.T. 0.00 min

Lab File: VX006283.D

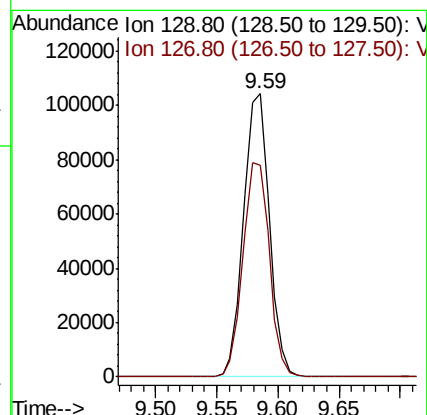
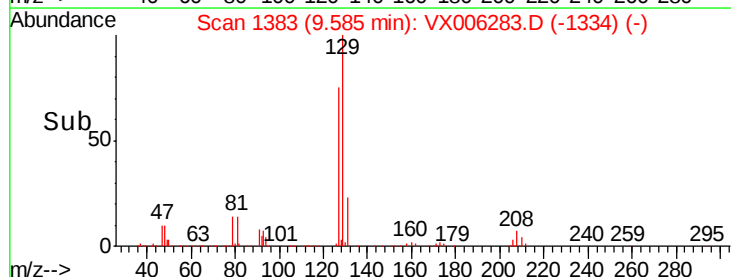
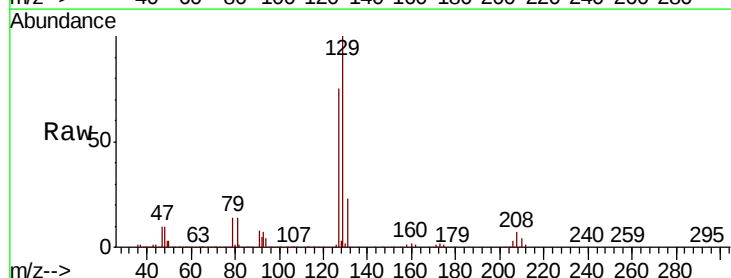
Acq: 04 Dec 2018 17:21

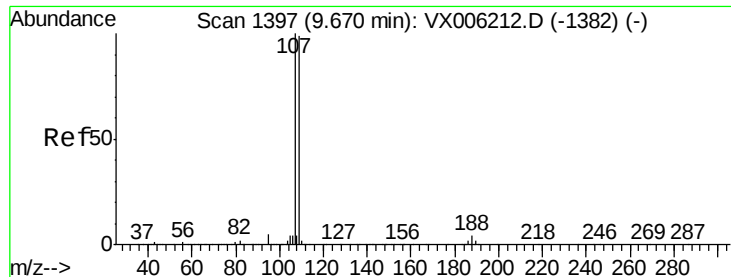
Tgt Ion: 129 Resp: 152952

Ion Ratio Lower Upper

129 100

127 77.4 38.6 115.8





#61

1,2-Dibromoethane

Concen: 18.770 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX006283.D

Acq: 04 Dec 2018 17:21

Instrument :

MSVOA_X

ClientSampleId :

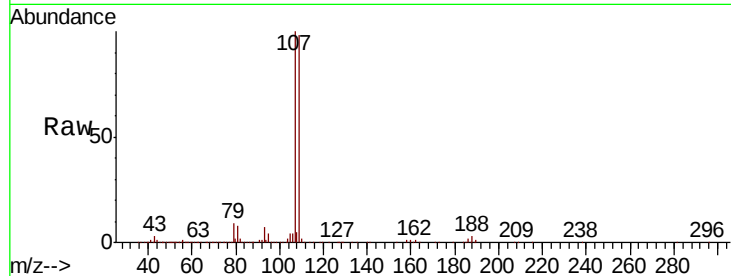
VX1204WBSD01

Tot Ion:107 Resp: 143501

Ion Ratio Lower Upper

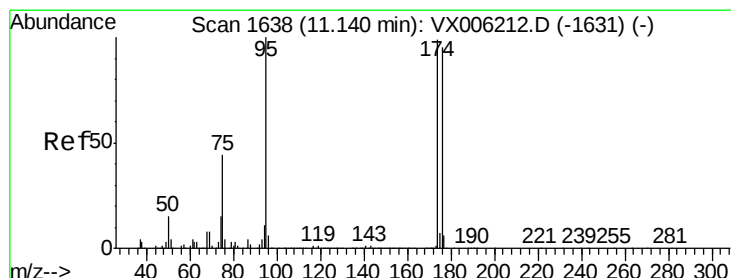
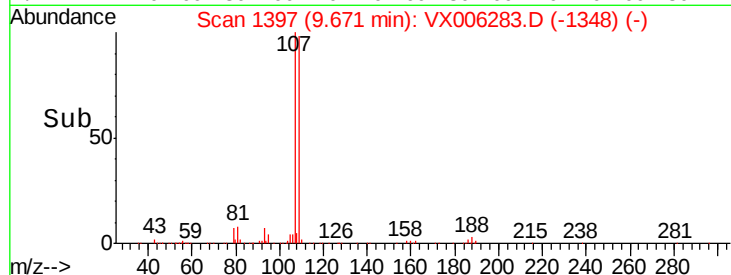
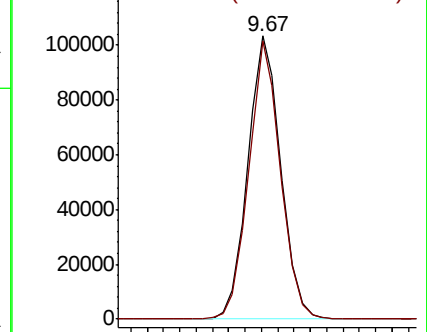
107 100

109 96.0 76.3 114.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.016 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.01 min

Lab File: VX006283.D

Acq: 04 Dec 2018 17:21

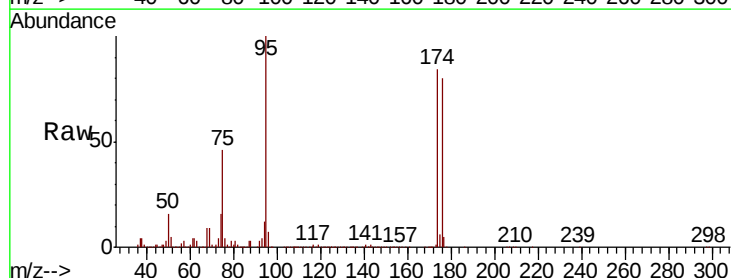
Tgt Ion: 95 Resp: 459210

Ion Ratio Lower Upper

95 100

174 90.7 0.0 187.0

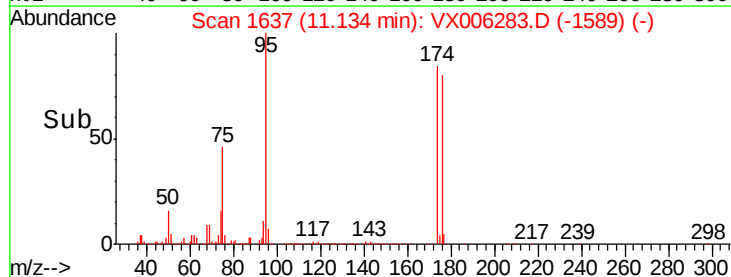
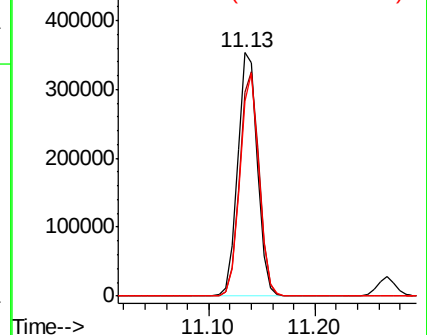
176 88.1 0.0 181.8

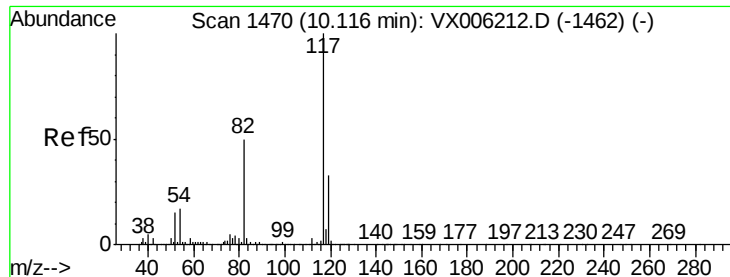


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

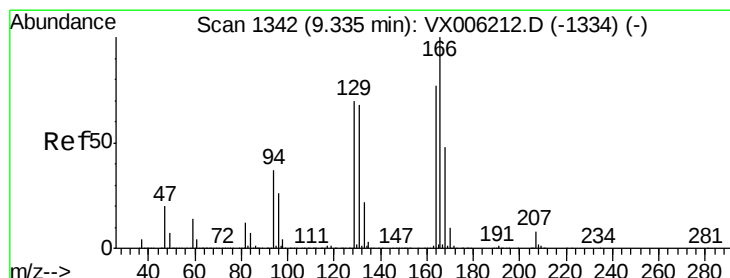
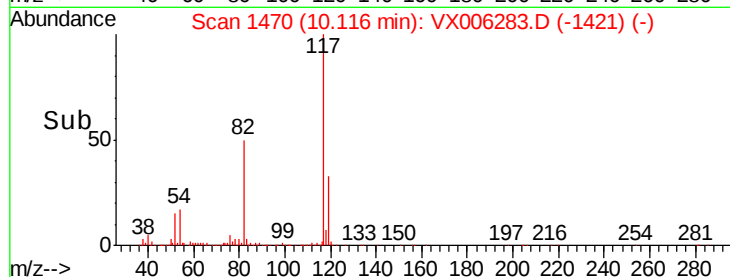
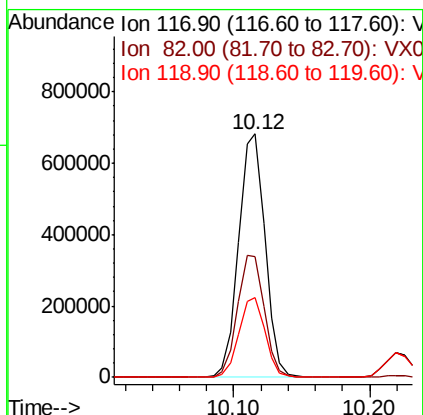
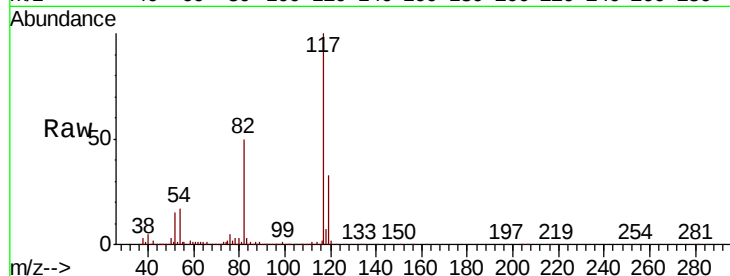




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX006283.D
Acq: 04 Dec 2018 17:21

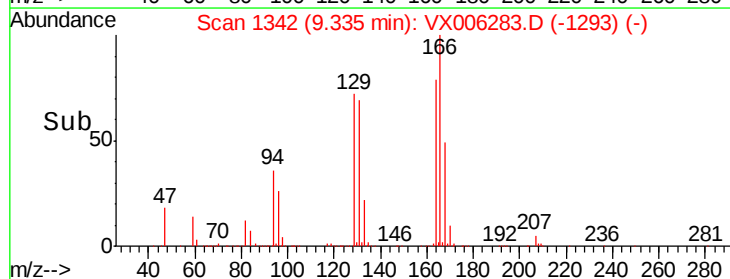
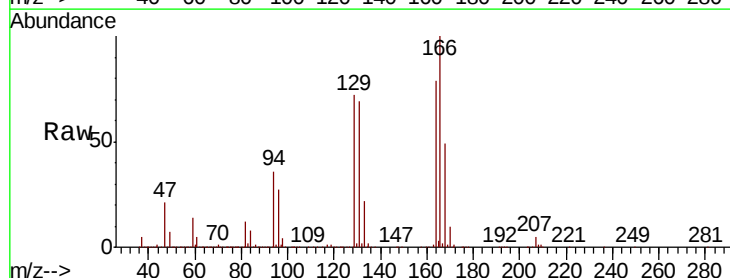
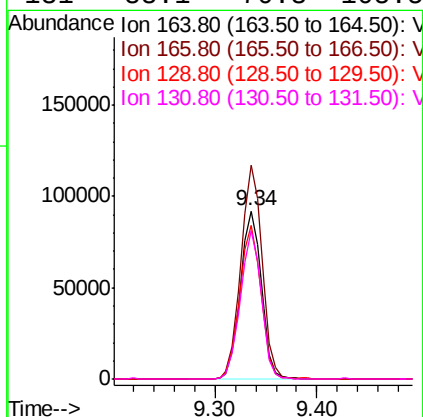
Instrument :
MSVOA_X
ClientSampleId :
VX1204WBSD01

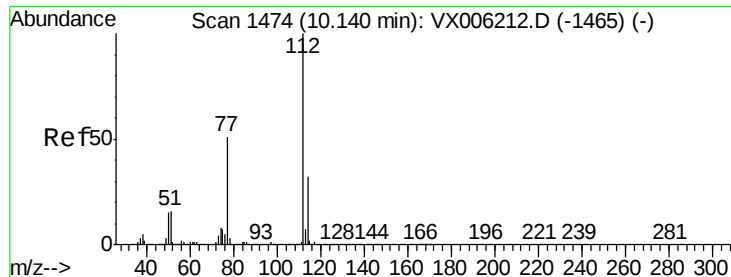
Tot Ion	Ratio	Lower	Upper
117	100		
82	49.7	39.6	59.4
119	32.6	26.3	39.5



#64
Tetrachloroethene
Concen: 18.765 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX006283.D
Acq: 04 Dec 2018 17:21

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.0	104.2	156.2
129	91.6	72.6	108.8
131	88.1	70.3	105.5

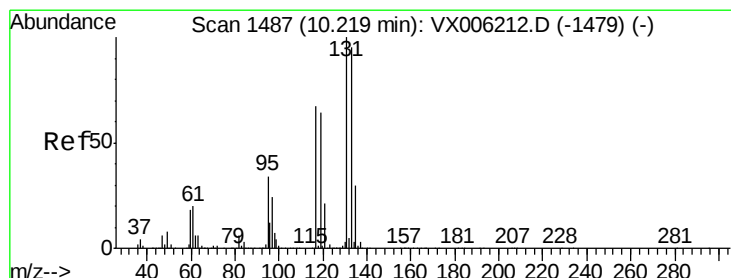
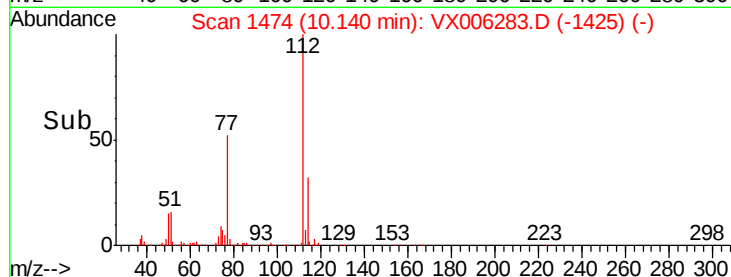
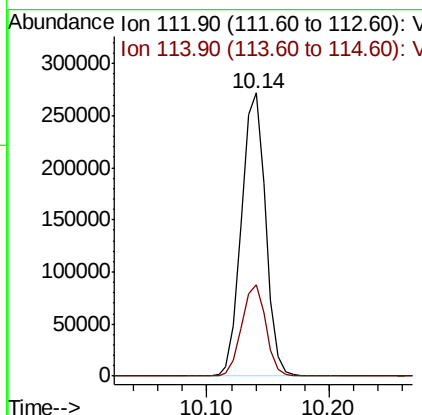
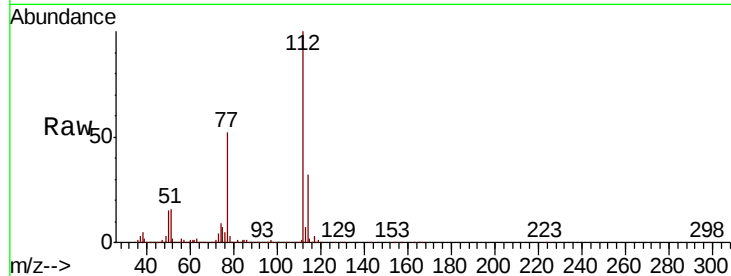




#65
Chlorobenzene
Concen: 18.876 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX006283.D
Acq: 04 Dec 2018 17:21

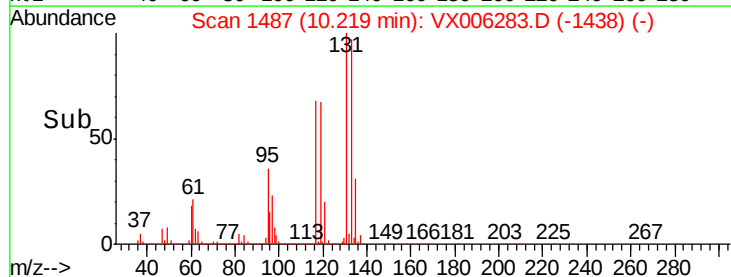
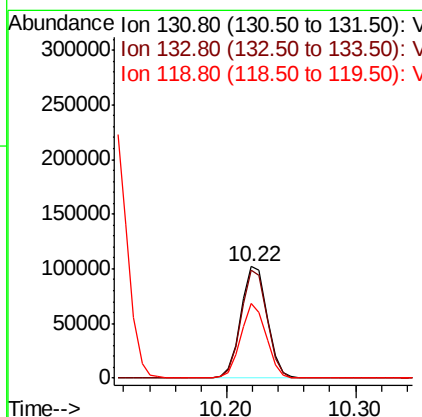
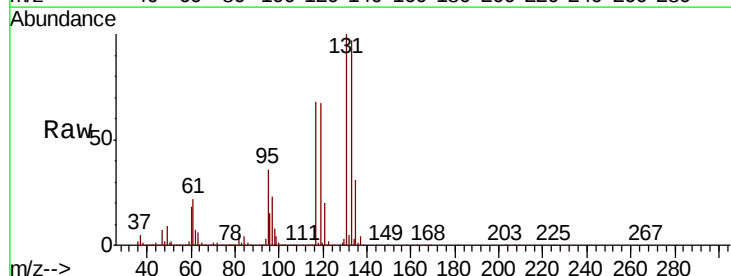
Instrument :
MSVOA_X
ClientSampleId :
VX1204WBSD01

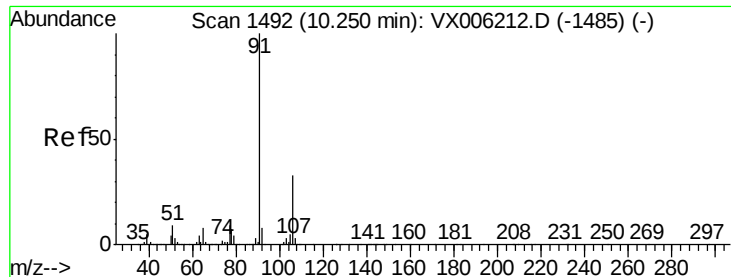
Tot Ion:112 Resp: 370878
Ion Ratio Lower Upper
112 100
114 32.3 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 18.878 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX006283.D
Acq: 04 Dec 2018 17:21

Tgt Ion:131 Resp: 144117
Ion Ratio Lower Upper
131 100
133 95.2 48.1 144.4
119 64.8 32.1 96.3

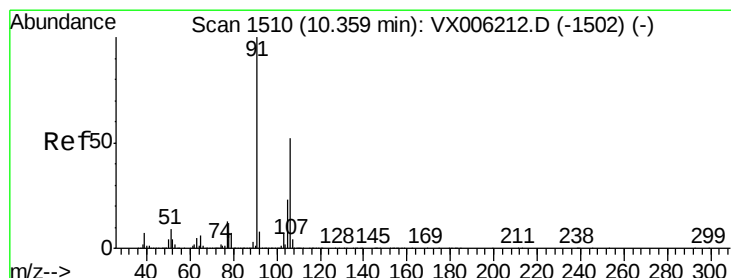
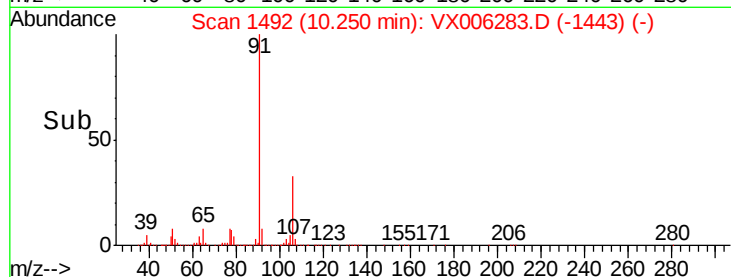
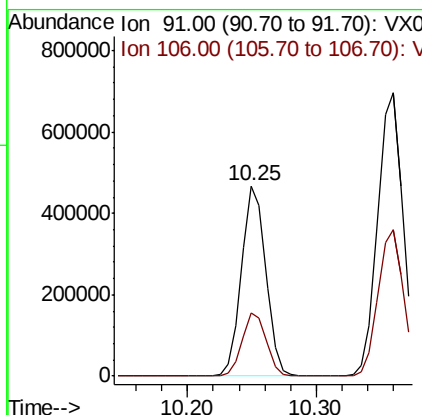
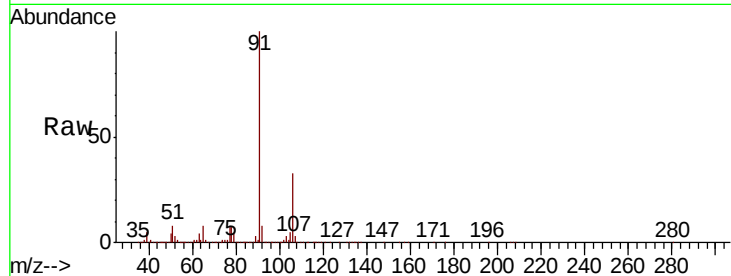




#67
Ethyl Benzene
Concen: 18.678 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX006283.D
Acq: 04 Dec 2018 17:21

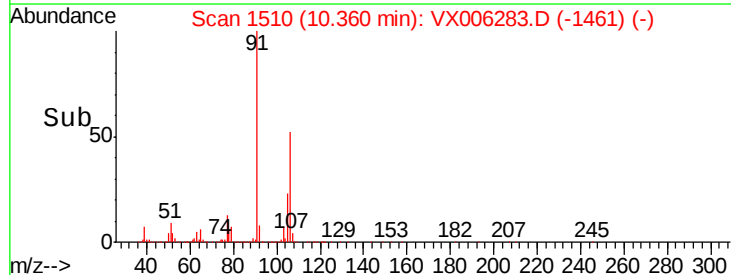
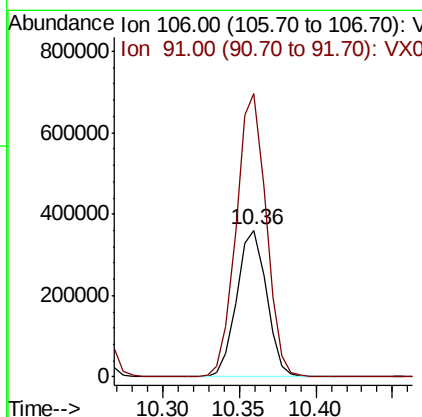
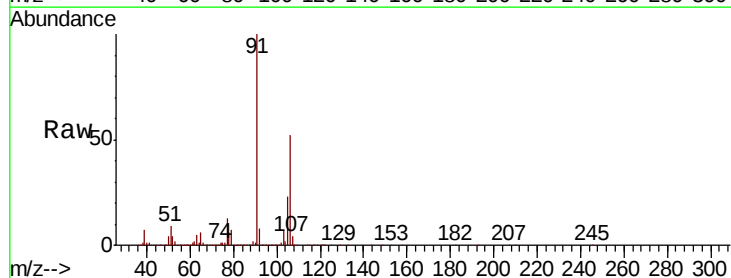
Instrument :
MSVOA_X
ClientSampleId :
VX1204WBSD01

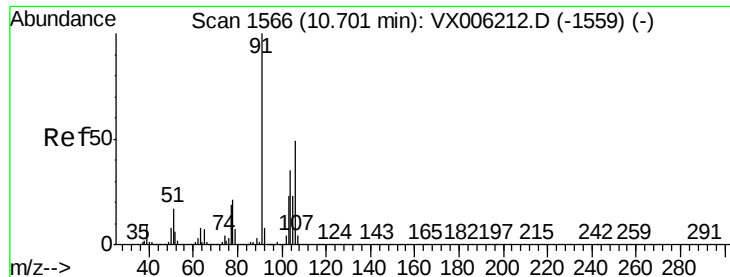
Tot Ion: 91 Resp: 610396
Ion Ratio Lower Upper
91 100
106 33.4 26.5 39.7



#68
m/p-Xylenes
Concen: 37.317 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX006283.D
Acq: 04 Dec 2018 17:21

Tgt Ion: 106 Resp: 488502
Ion Ratio Lower Upper
106 100
91 193.2 155.2 232.8

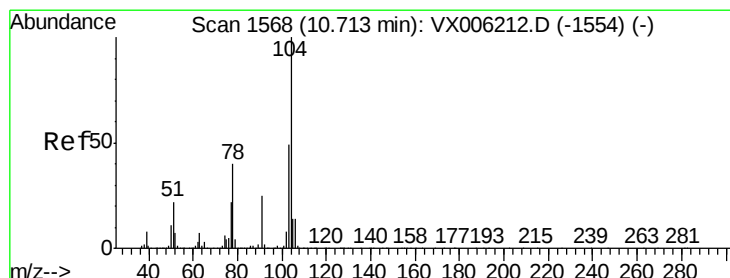
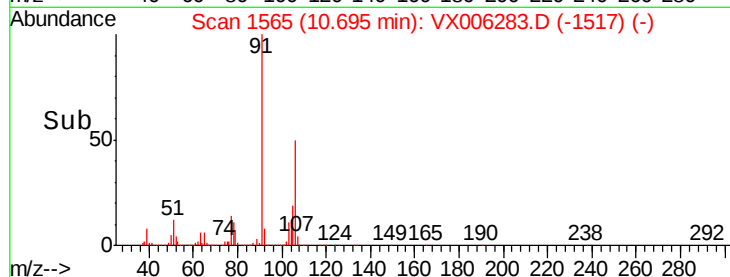
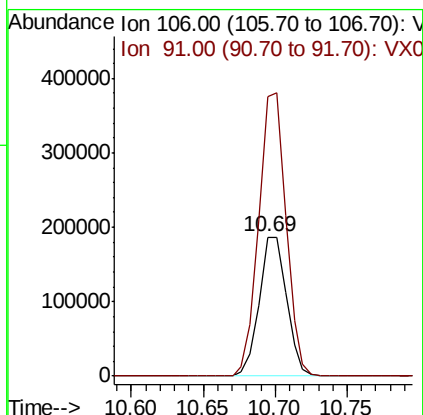
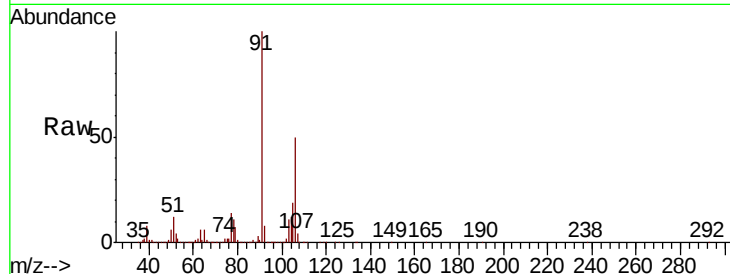




#69
o-Xylene
Concen: 18.998 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX006283.D
Acq: 04 Dec 2018 17:21

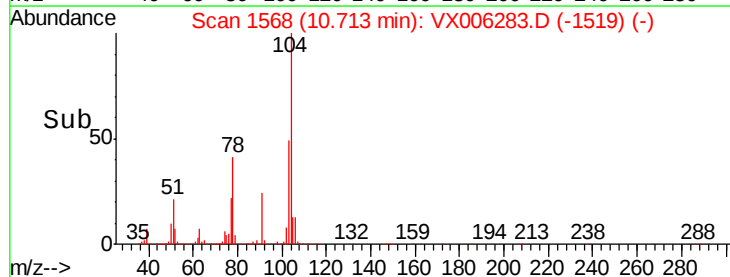
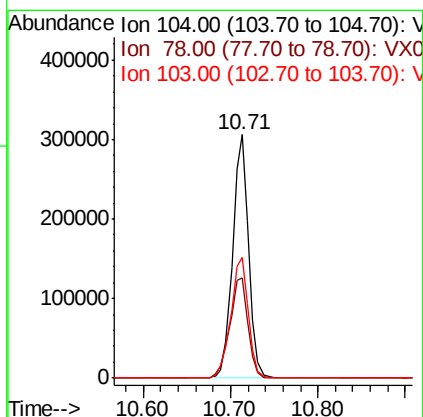
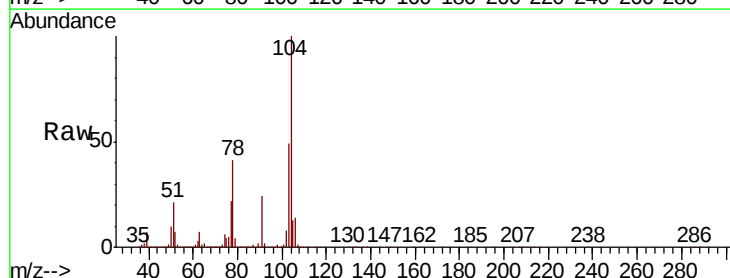
Instrument :
MSVOA_X
ClientSampleId :
VX1204WBSD01

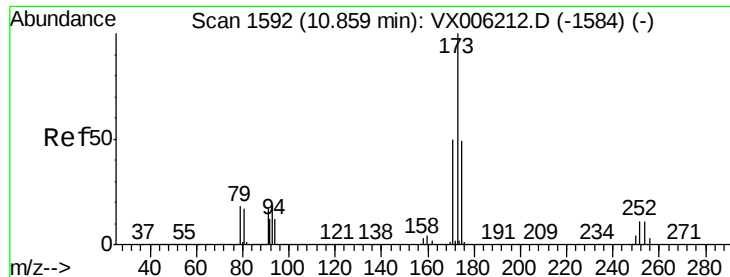
Tot Ion:106 Resp: 245650
Ion Ratio Lower Upper
106 100
91 202.6 101.8 305.6



#70
Styrene
Concen: 18.655 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX006283.D
Acq: 04 Dec 2018 17:21

Tgt Ion:104 Resp: 390129
Ion Ratio Lower Upper
104 100
78 46.9 37.2 55.8
103 54.7 43.5 65.3





#71

Bromoform

Concen: 17.137 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX006283.D

Acq: 04 Dec 2018 17:21

Instrument :

MSVOA_X

ClientSampleId :

VX1204WBSD01

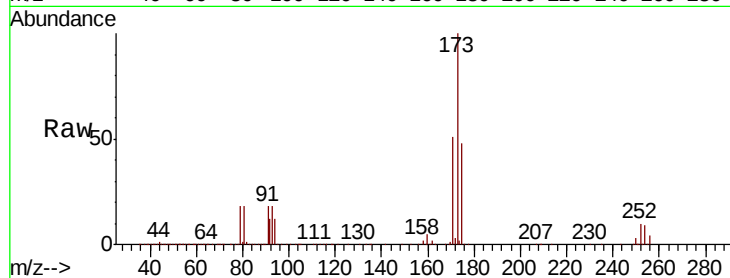
Tot Ion:173 Resp: 123496

Ion Ratio Lower Upper

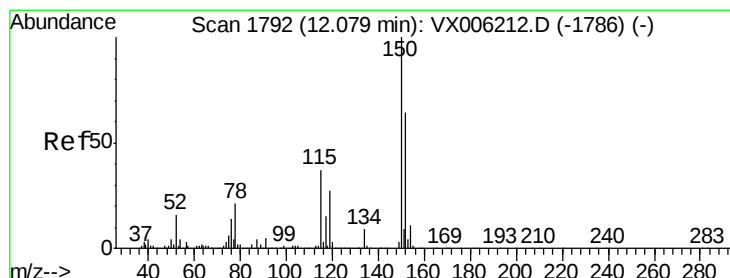
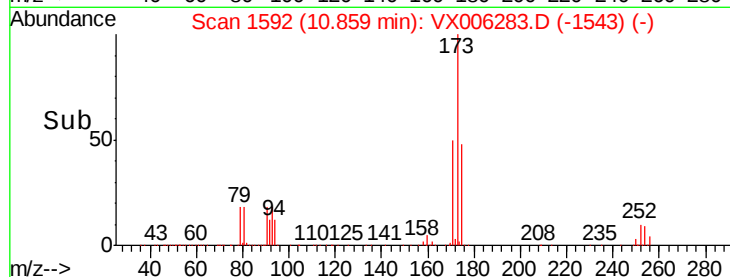
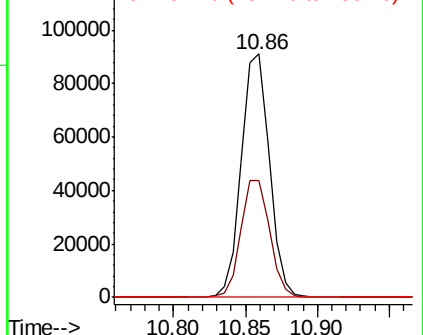
173 100

175 49.5 24.6 73.8

254 0.2 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: VX006283.D

Acq: 04 Dec 2018 17:21

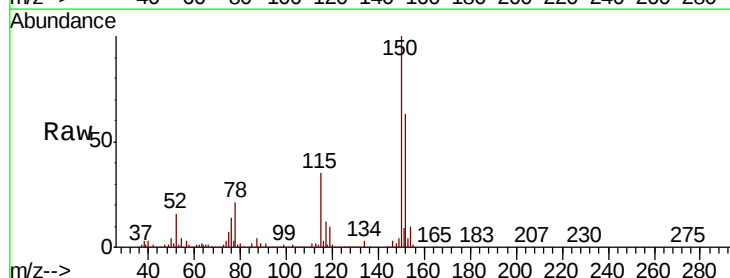
Tgt Ion:152 Resp: 460430

Ion Ratio Lower Upper

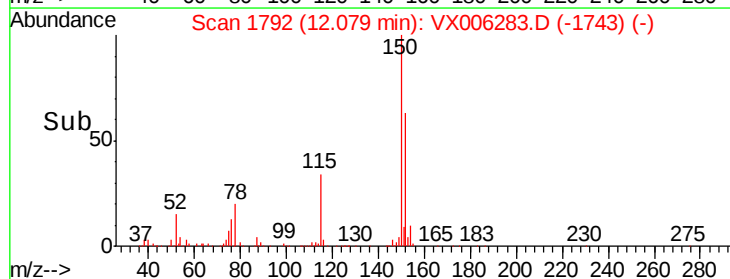
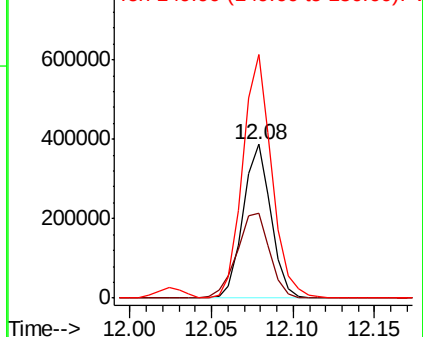
152 100

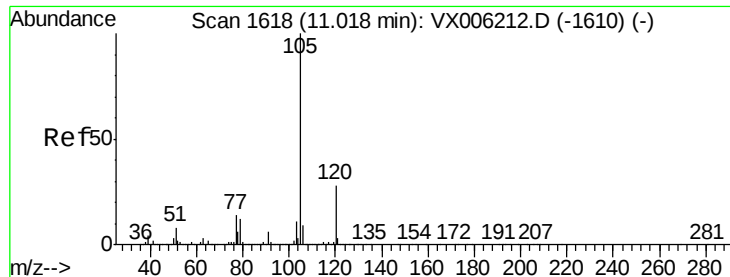
115 64.7 39.0 116.9

150 165.4 0.0 345.8



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: 20.114 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX006283.D

Acq: 04 Dec 2018 17:21

Instrument :

MSVOA_X

ClientSampleId :

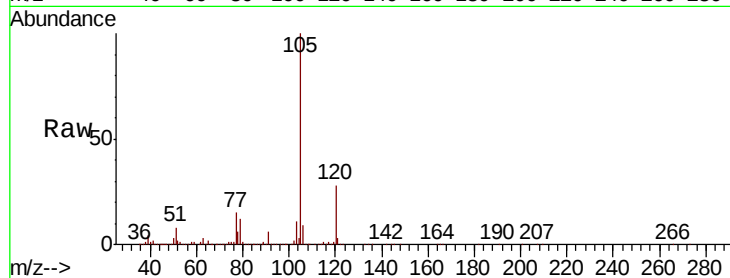
VX1204WBSD01

Tot Ion:105 Resp: 639557

Ion Ratio Lower Upper

105 100

120 27.6 14.1 42.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

500000

400000

300000

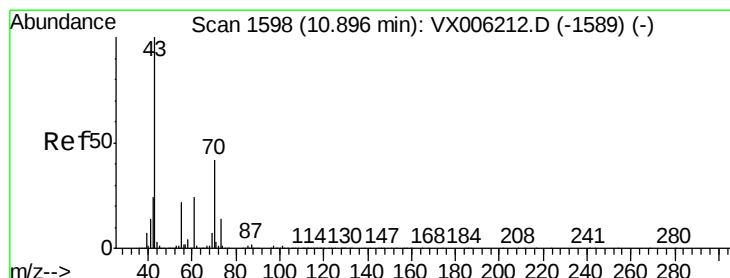
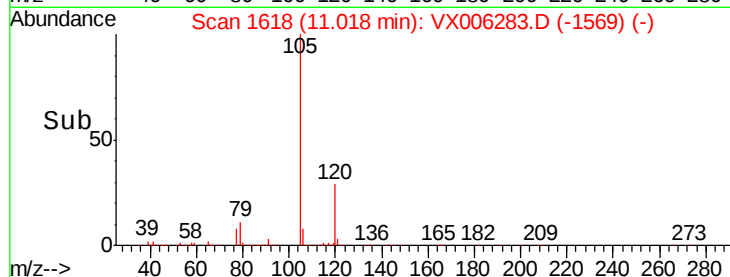
200000

100000

0

11.02

Time-->



#74

N-ethyl acetate

Concen: 18.622 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX006283.D

Acq: 04 Dec 2018 17:21

Tgt Ion: 43 Resp: 254982

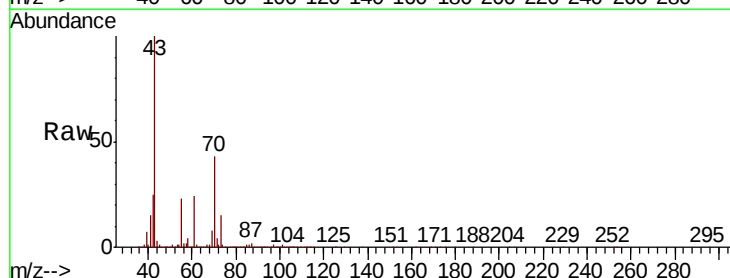
Ion Ratio Lower Upper

43 100

70 44.4 34.1 51.1

55 23.1 17.8 26.8

61 25.7 19.7 29.5



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

300000

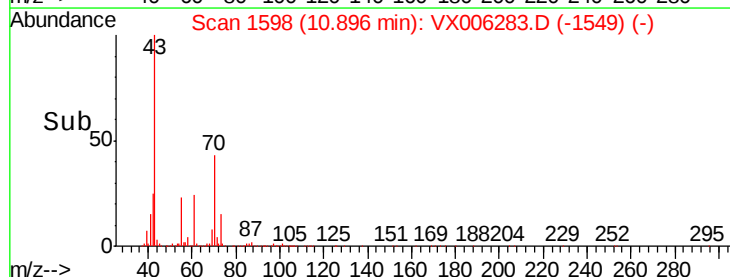
200000

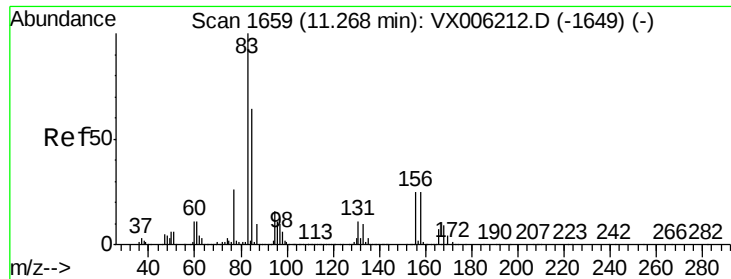
100000

0

10.90

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.956 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX006283.D

Acq: 04 Dec 2018 17:21

Instrument :

MSVOA_X

ClientSampleId :

VX1204WBSD01

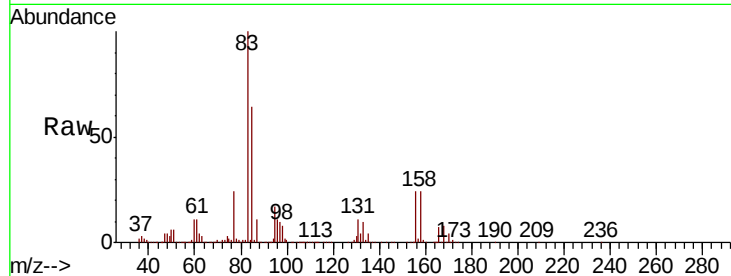
Tot Ion: 83 Resp: 202999

Ion Ratio Lower Upper

83 100

131 11.6 5.7 17.1

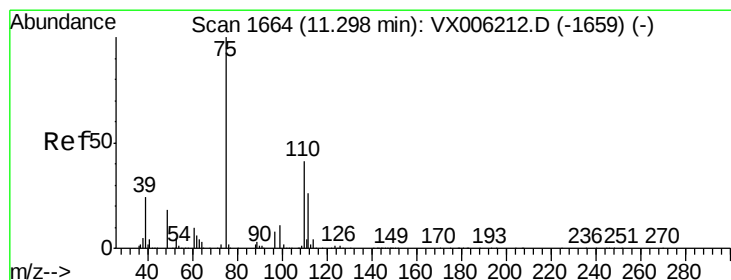
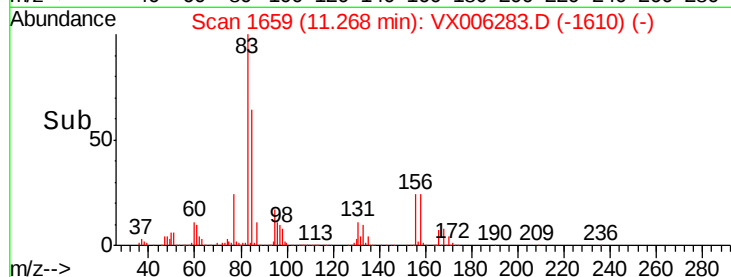
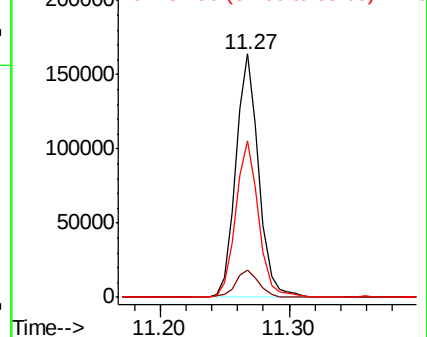
85 64.8 32.1 96.5



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: 26.122 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VX006283.D

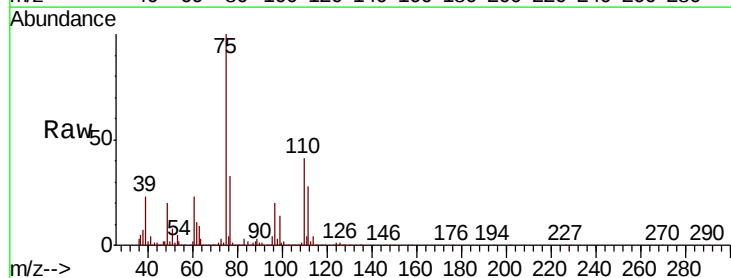
Acq: 04 Dec 2018 17:21

Tgt Ion: 75 Resp: 232150

Ion Ratio Lower Upper

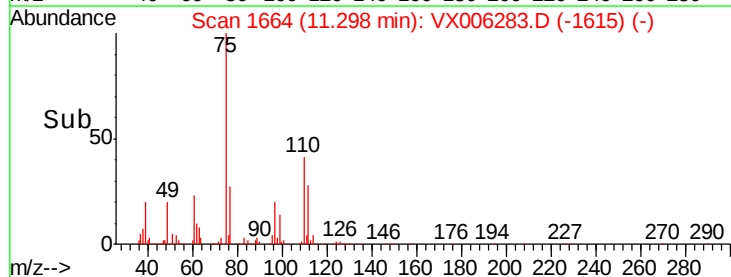
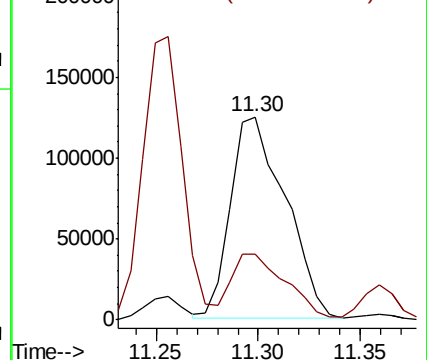
75 100

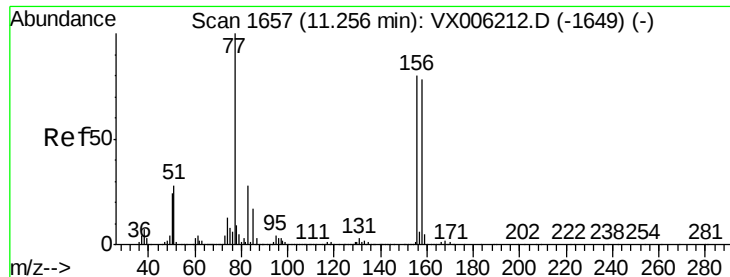
77 32.0 19.9 59.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 19.647 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX006283.D

Acq: 04 Dec 2018 17:21

Instrument :

MSVOA_X

ClientSampleId :

VX1204WBSD01

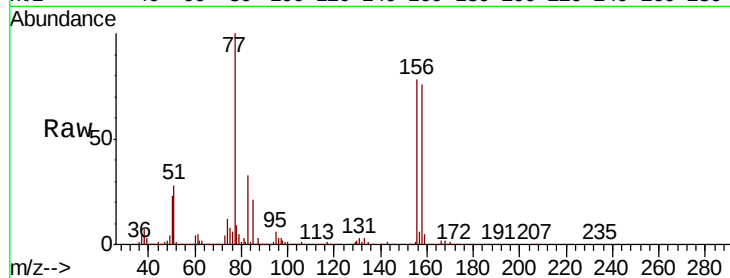
Tot Ion:156 Resp: 173365

Ion Ratio Lower Upper

156 100

77 136.8 66.2 198.6

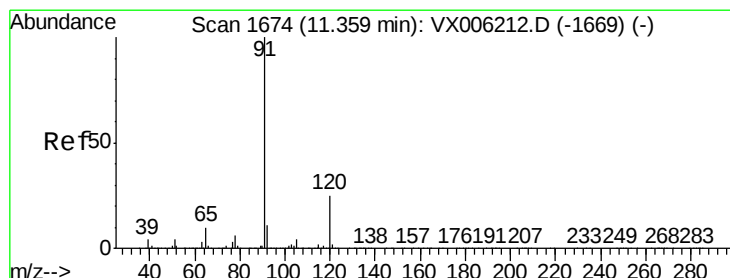
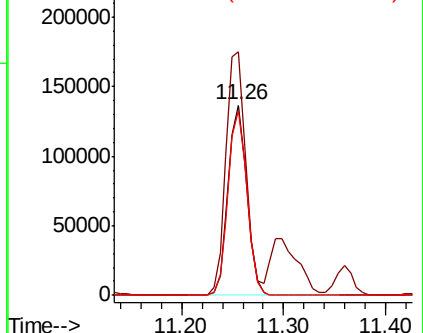
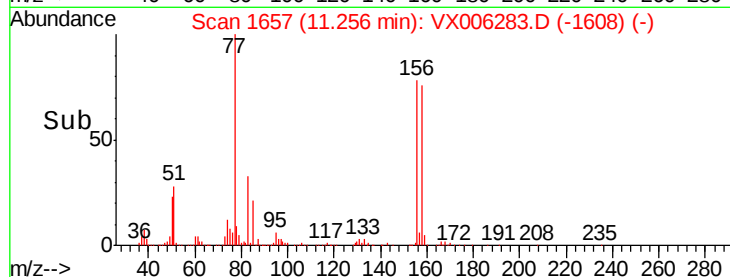
158 98.0 48.8 146.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.574 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX006283.D

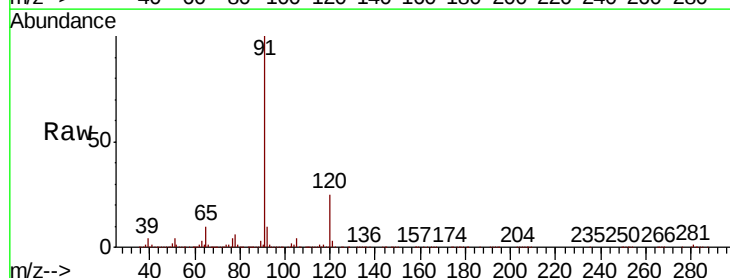
Acq: 04 Dec 2018 17:21

Tgt Ion: 91 Resp: 691849

Ion Ratio Lower Upper

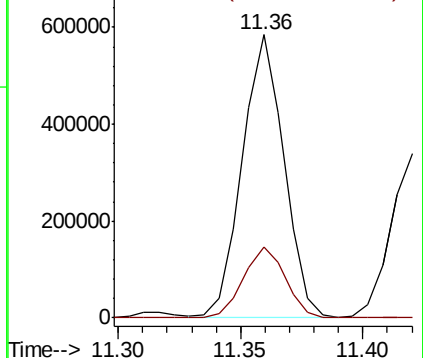
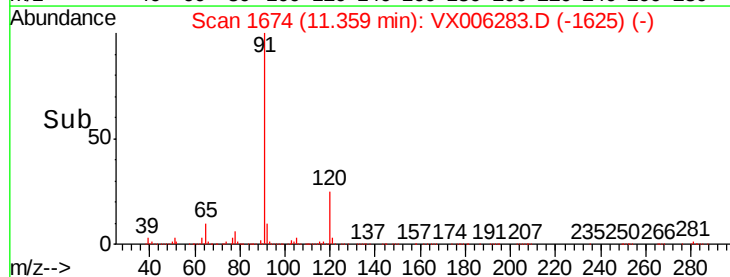
91 100

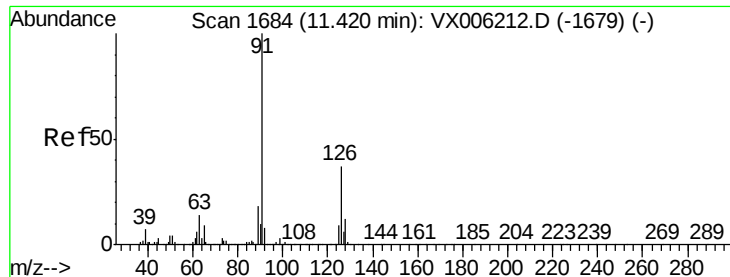
120 25.3 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.681 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX006283.D

Acq: 04 Dec 2018 17:21

Instrument :

MSVOA_X

ClientSampleId :

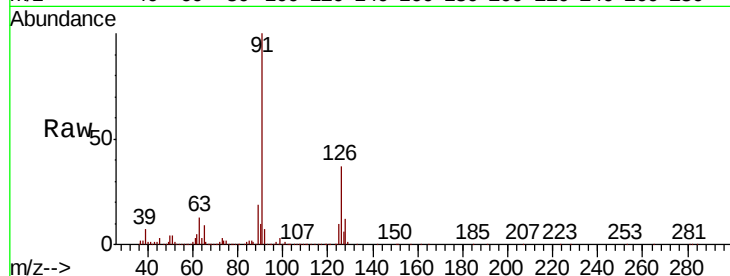
VX1204WBSD01

Tot Ion: 91 Resp: 413443

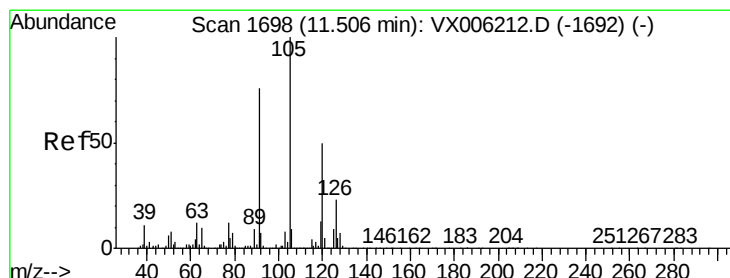
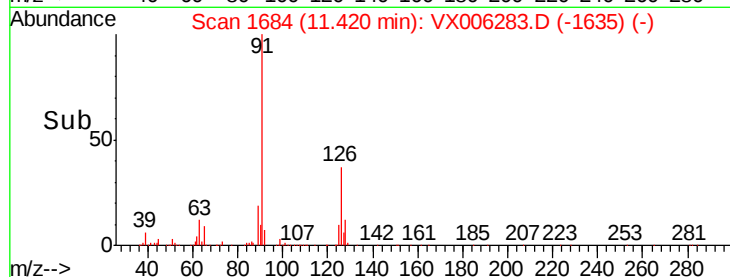
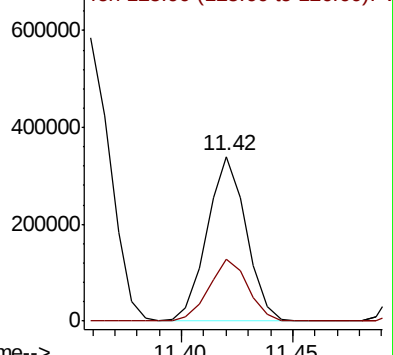
Ion Ratio Lower Upper

91 100

126 38.1 18.6 56.0



Abundance Ion 91.00 (90.70 to 91.70): VX006212.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.565 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX006283.D

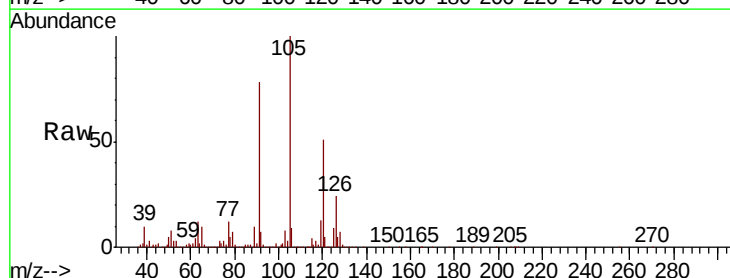
Acq: 04 Dec 2018 17:21

Tgt Ion: 105 Resp: 517617

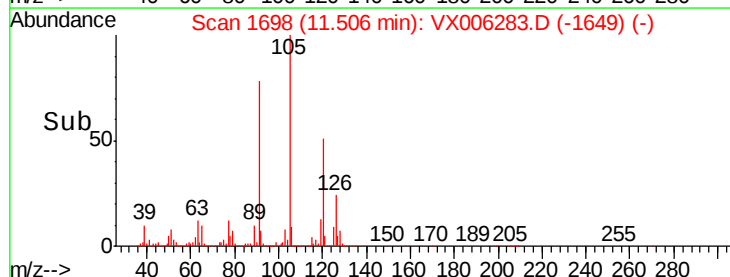
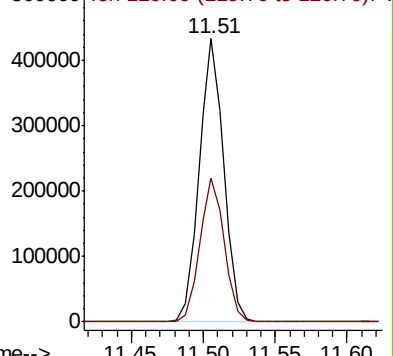
Ion Ratio Lower Upper

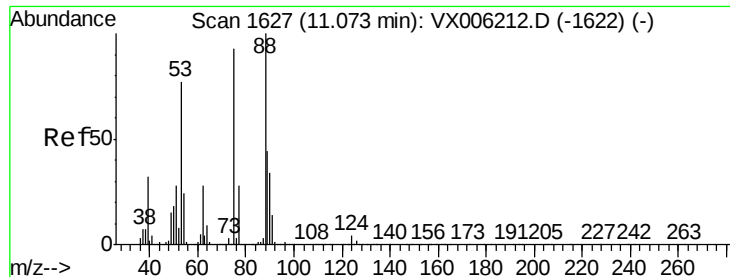
105 100

120 50.5 25.4 76.0



Abundance Ion 105.00 (104.70 to 105.70): VX006212.D (-1692) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 17.098 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX006283.D

Acq: 04 Dec 2018 17:21

Instrument :

MSVOA_X

ClientSampleId :

VX1204WBSD01

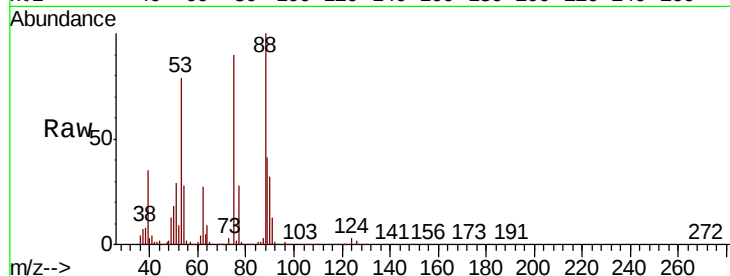
Tot Ion: 75 Resp: 64751

Ion Ratio Lower Upper

75 100

53 88.4 64.4 96.6

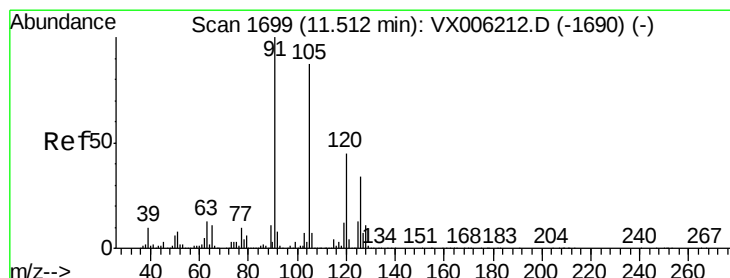
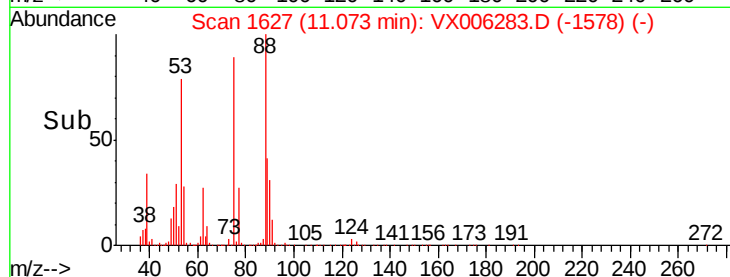
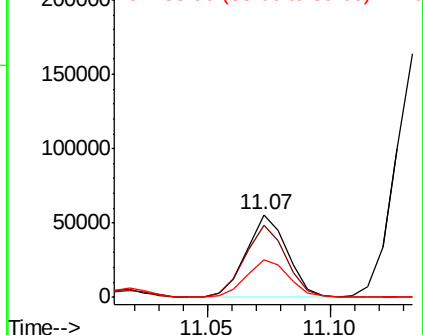
89 48.0 44.2 66.4



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 19.267 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX006283.D

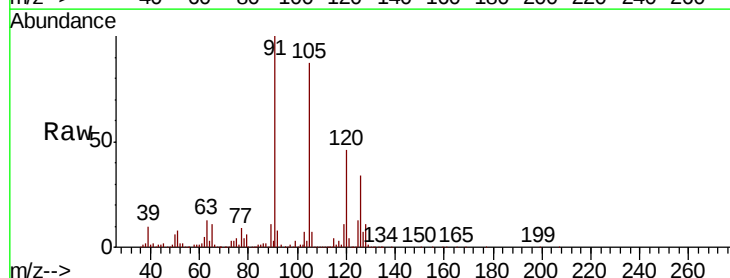
Acq: 04 Dec 2018 17:21

Tgt Ion: 91 Resp: 470600

Ion Ratio Lower Upper

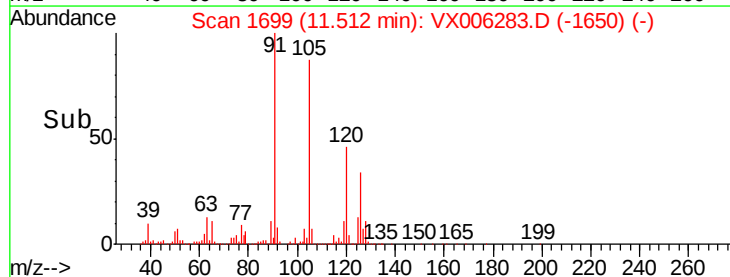
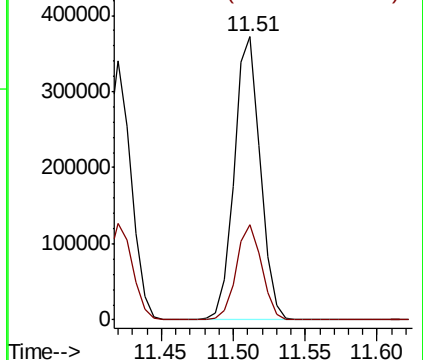
91 100

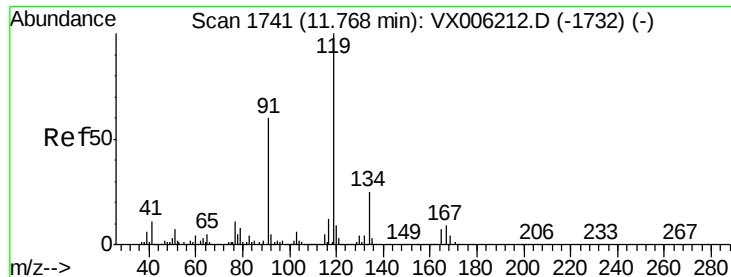
126 32.9 16.4 49.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 19.797 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX006283.D

Acq: 04 Dec 2018 17:21

Instrument :

MSVOA_X

ClientSampleId :

VX1204WBSD01

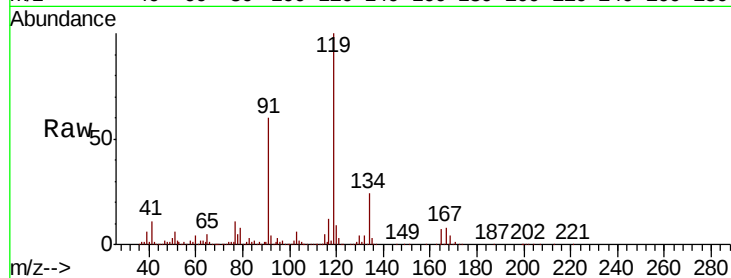
Tot Ion:119 Resp: 558815

Ion Ratio Lower Upper

119 100

91 53.7 26.4 79.2

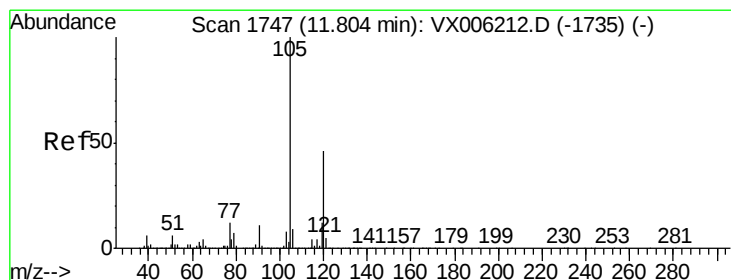
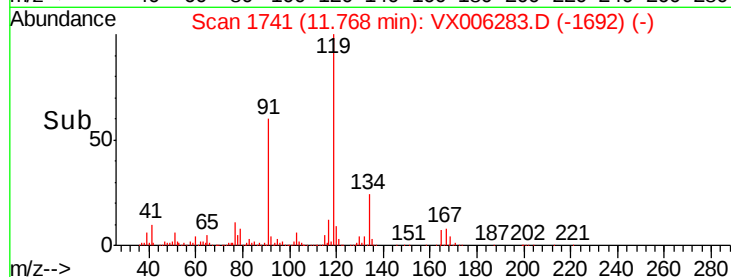
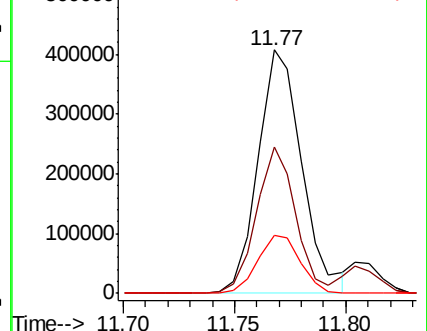
134 23.4 11.6 34.7



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: 19.514 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX006283.D

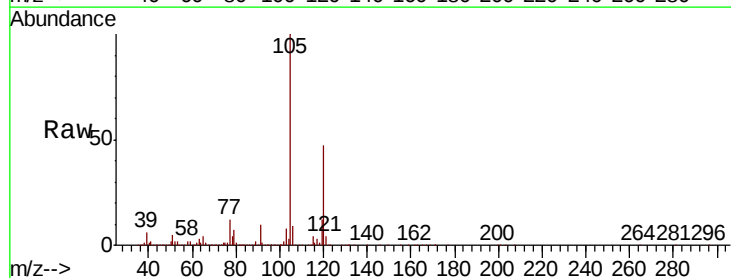
Acq: 04 Dec 2018 17:21

Tgt Ion:105 Resp: 533074

Ion Ratio Lower Upper

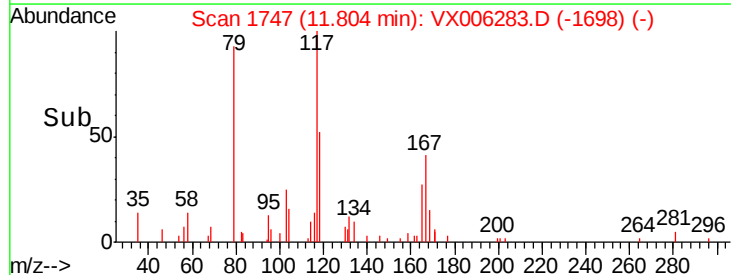
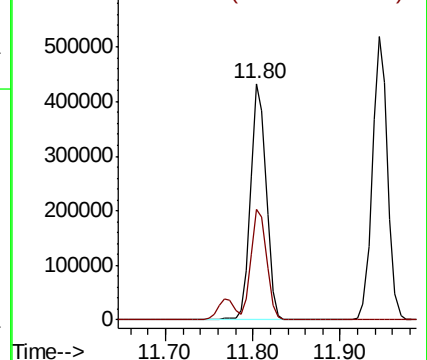
105 100

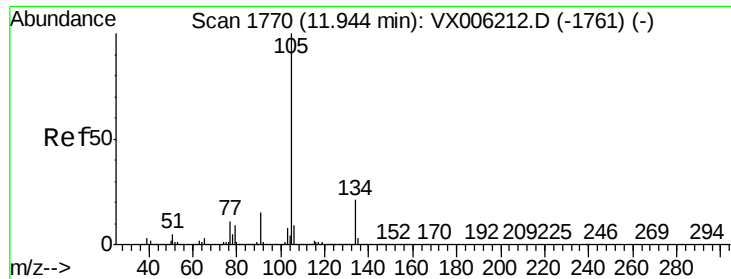
120 46.5 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

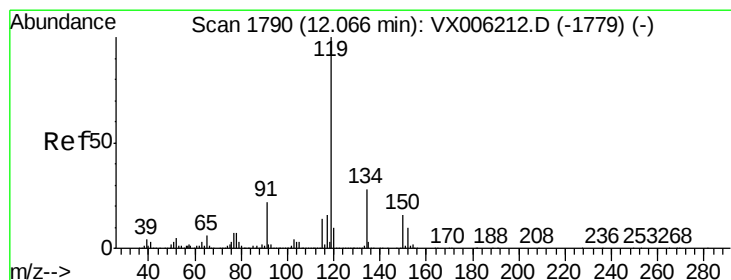
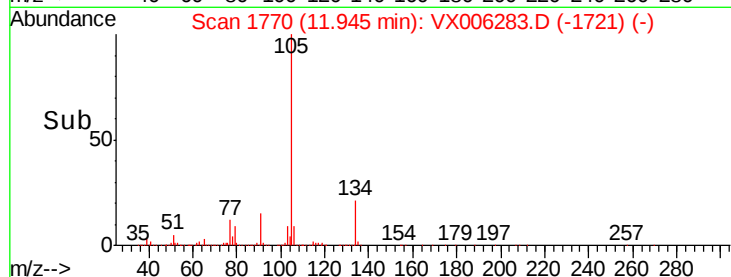
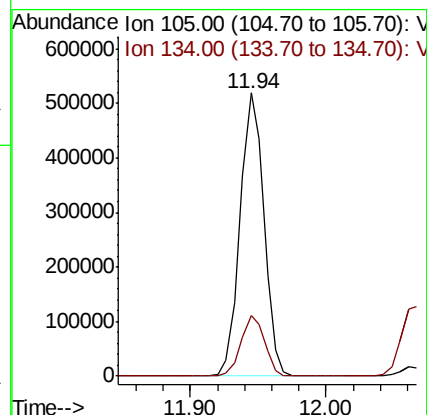
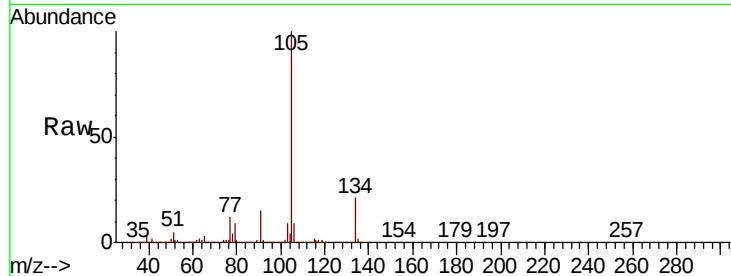




#85
 sec-Butylbenzene
 Concen: 19.694 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX006283.D
 Acq: 04 Dec 2018 17:21

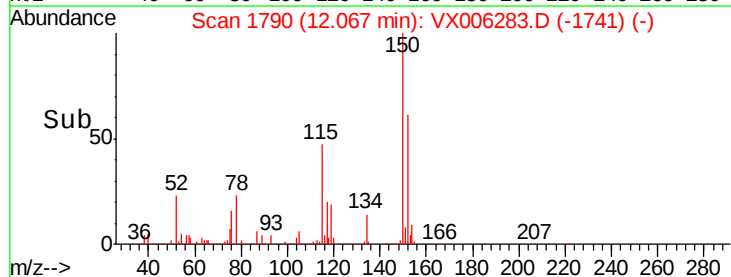
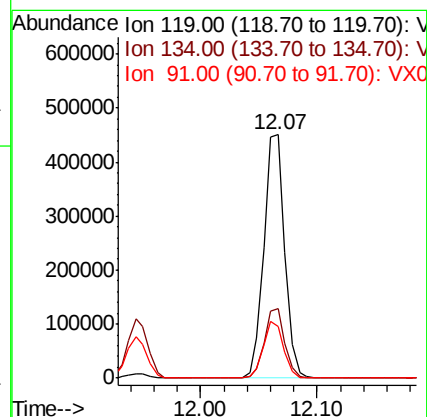
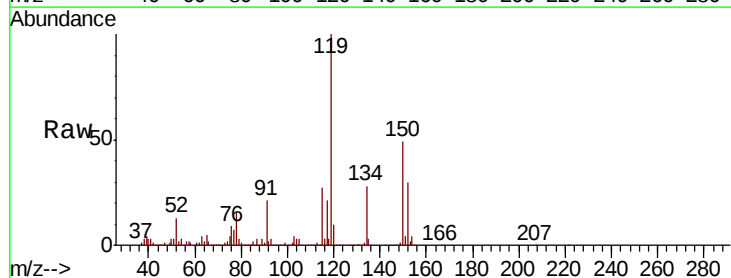
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1204WBSD01

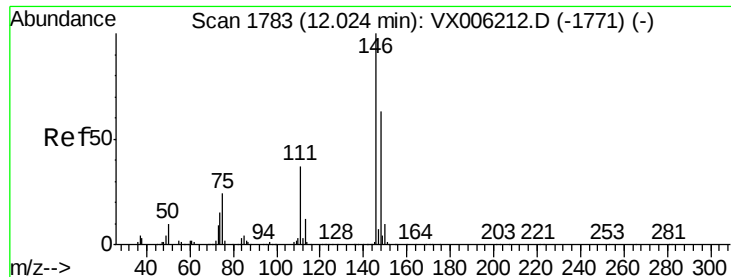
Tot Ion:105 Resp: 632410
 Ion Ratio Lower Upper
 105 100
 134 21.2 10.8 32.4



#86
 p-Isopropyltoluene
 Concen: 19.474 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. 0.00 min
 Lab File: VX006283.D
 Acq: 04 Dec 2018 17:21

Tgt Ion:119 Resp: 563107
 Ion Ratio Lower Upper
 119 100
 134 27.7 13.9 41.6
 91 22.8 11.3 33.8

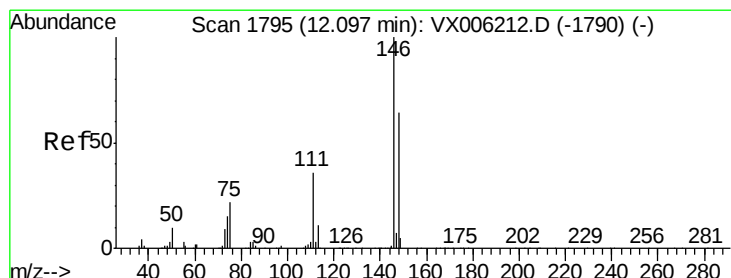
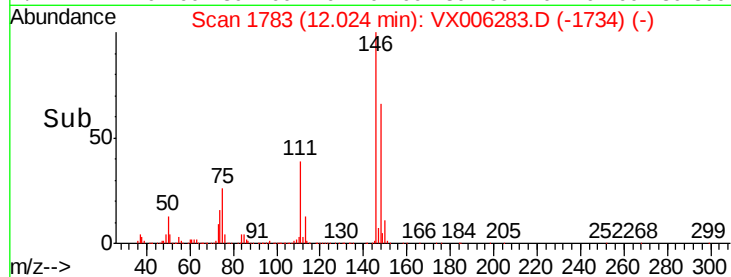
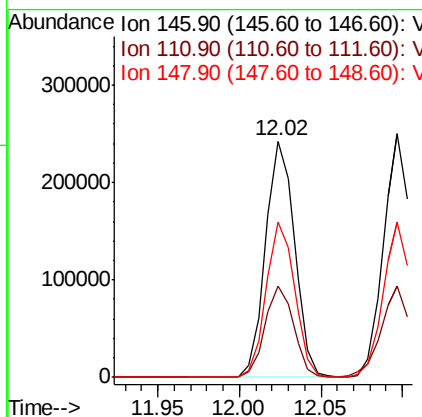
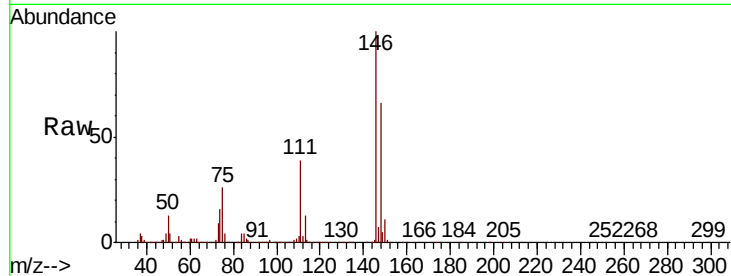




#87
 1,3-Dichlorobenzene
 Concen: 19.155 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX006283.D
 Acq: 04 Dec 2018 17:21

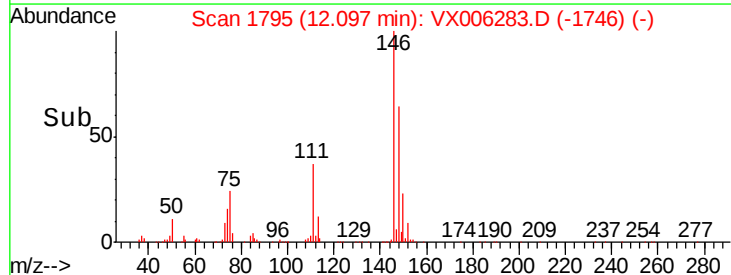
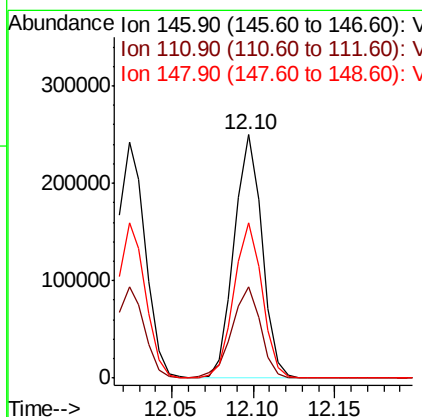
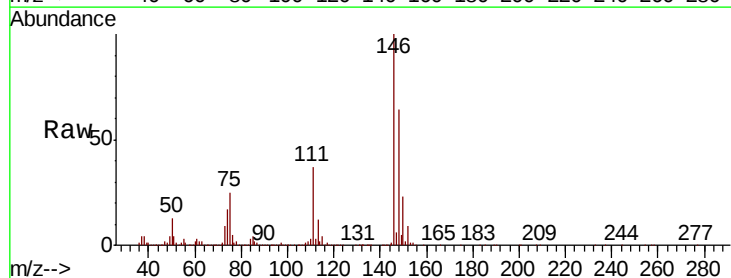
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1204WBSD01

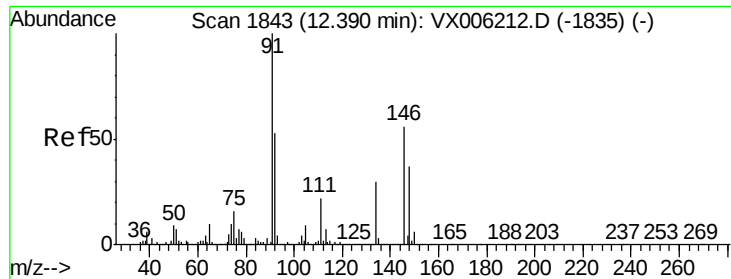
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.4	55.2
148	64.6	32.0	96.0



#88
 1,4-Dichlorobenzene
 Concen: 18.689 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX006283.D
 Acq: 04 Dec 2018 17:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	18.3	54.8
148	64.6	31.9	95.9

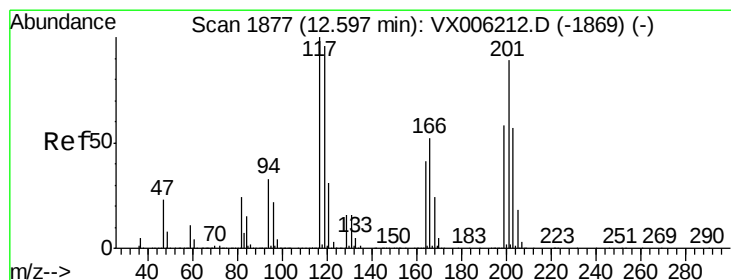
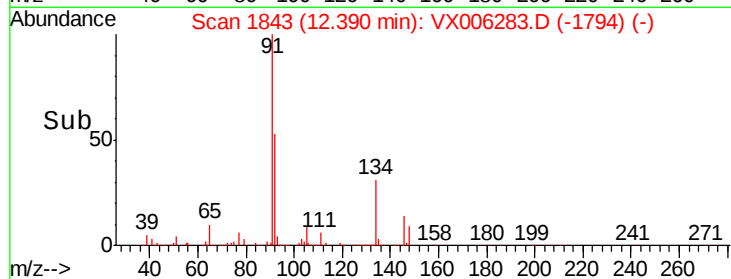
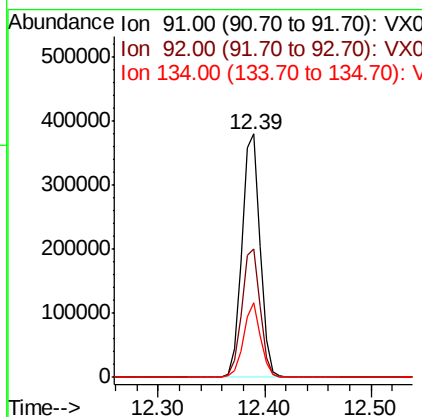
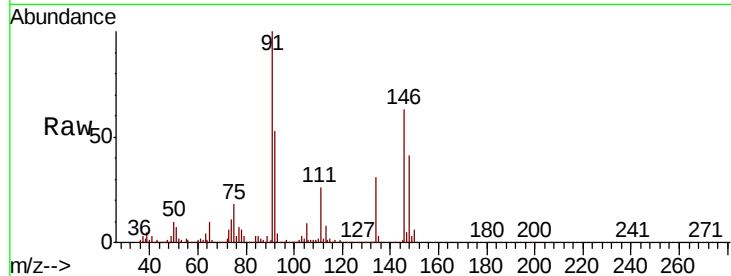




#89
n-Butylbenzene
Concen: 18.451 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX006283.D
Acq: 04 Dec 2018 17:21

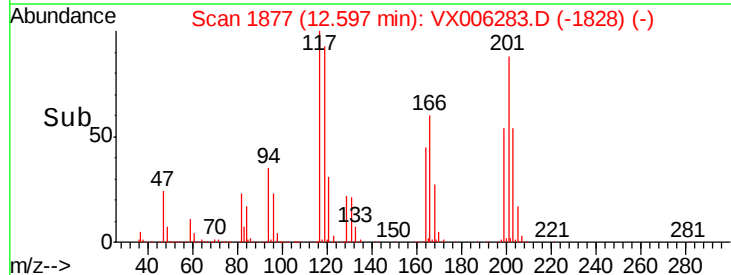
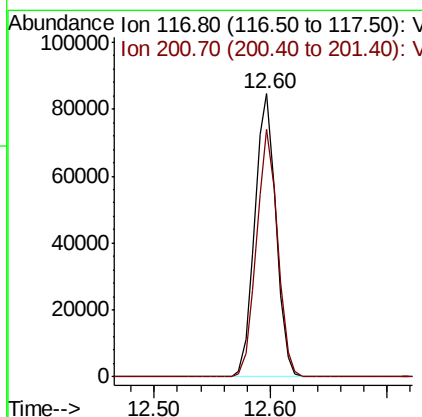
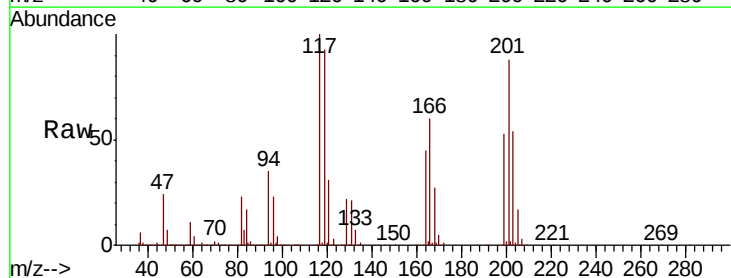
Instrument :
MSVOA_X
ClientSampleId :
VX1204WBSD01

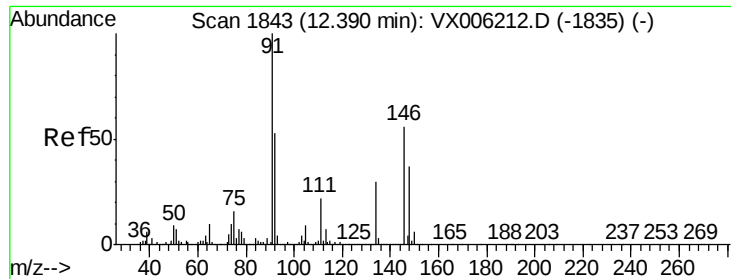
Tot Ion: 91 Resp: 455239
Ion Ratio Lower Upper
91 100
92 53.4 26.6 79.8
134 28.7 14.8 44.3



#90
Hexachloroethane
Concen: 18.343 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX006283.D
Acq: 04 Dec 2018 17:21

Tgt Ion: 117 Resp: 108102
Ion Ratio Lower Upper
117 100
201 87.0 44.7 134.1





#91

1,2-Dichlorobenzene

Concen: 19.392 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX006283.D

Acq: 04 Dec 2018 17:21

Instrument :

MSVOA_X

ClientSampleId :

VX1204WBSD01

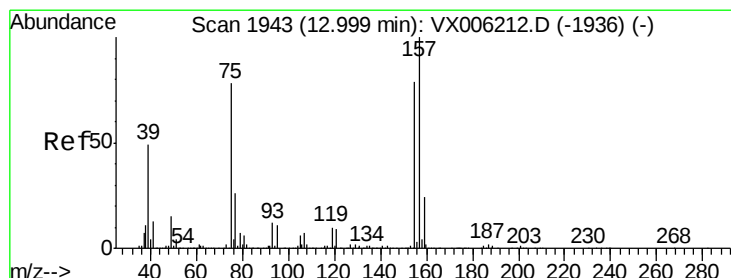
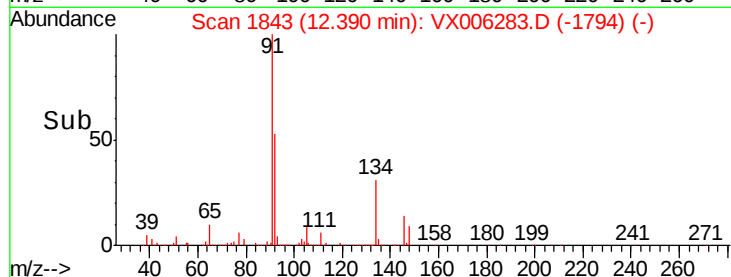
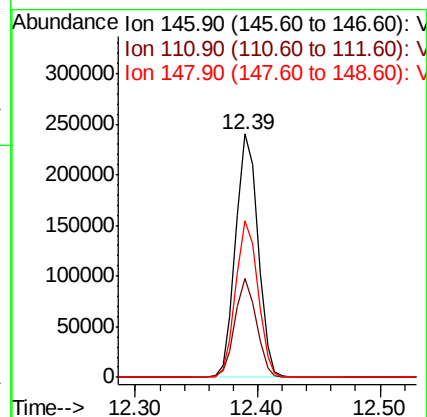
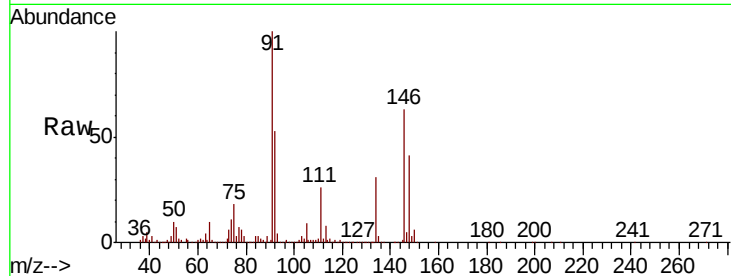
Tot Ion:146 Resp: 302183

Ion Ratio Lower Upper

146 100

111 39.2 19.1 57.3

148 64.3 32.1 96.3



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.034 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX006283.D

Acq: 04 Dec 2018 17:21

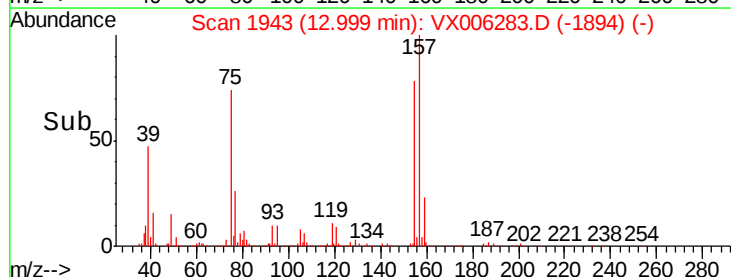
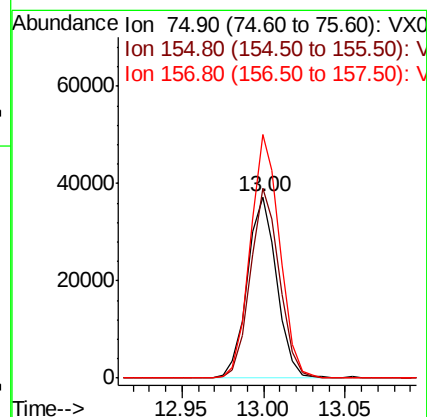
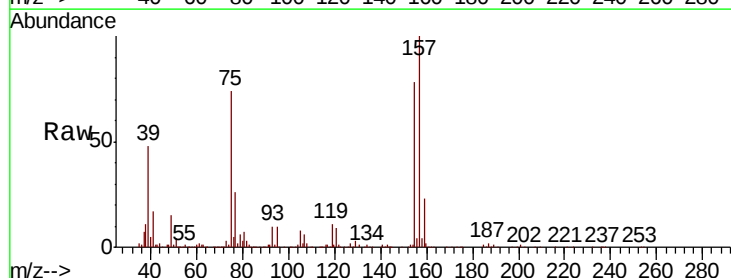
Tgt Ion: 75 Resp: 47027

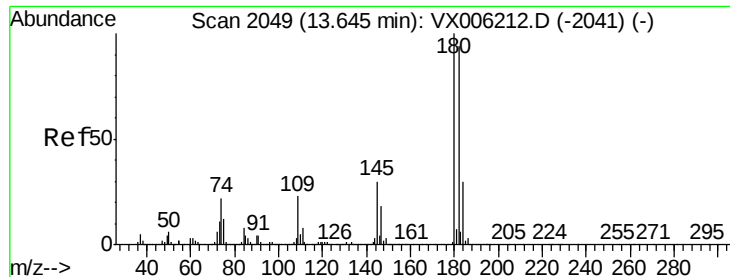
Ion Ratio Lower Upper

75 100

155 103.1 53.4 160.3

157 133.6 68.0 203.8

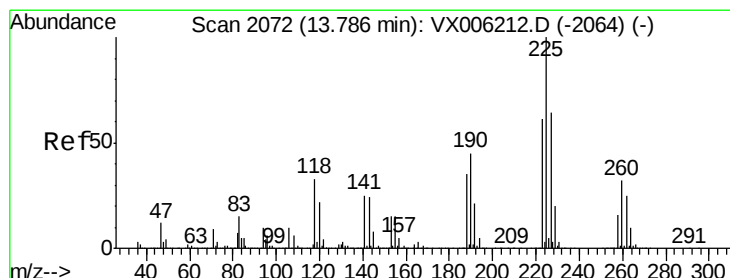
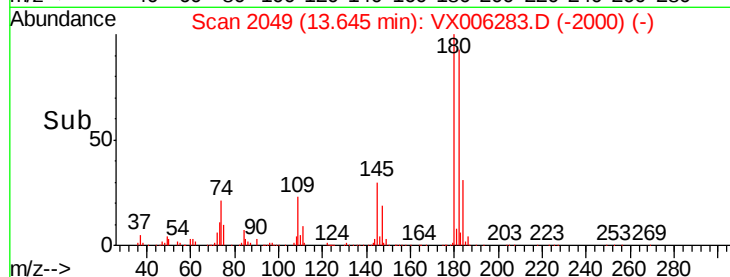
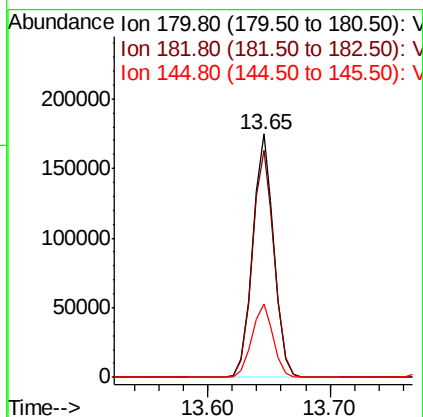
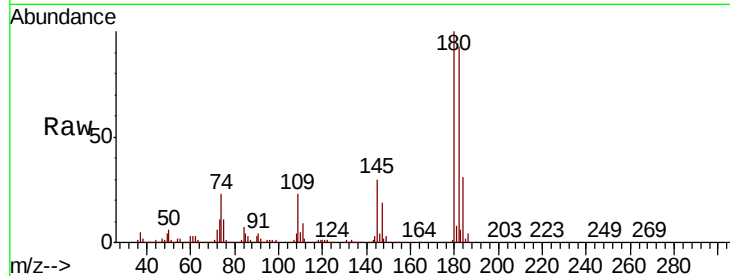




#93
 1,2,4-Trichlorobenzene
 Concen: 18.567 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX006283.D
 Acq: 04 Dec 2018 17:21

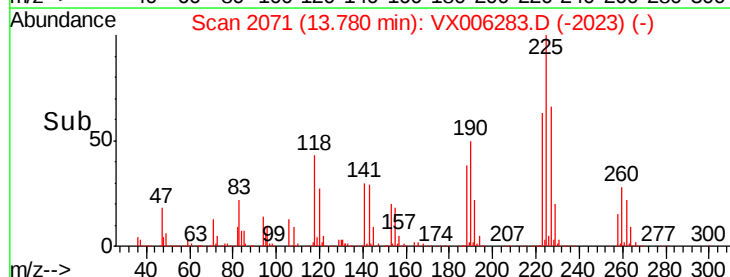
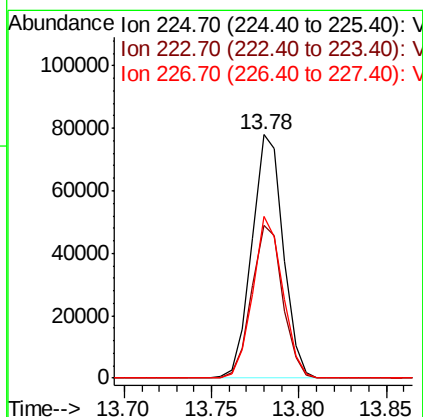
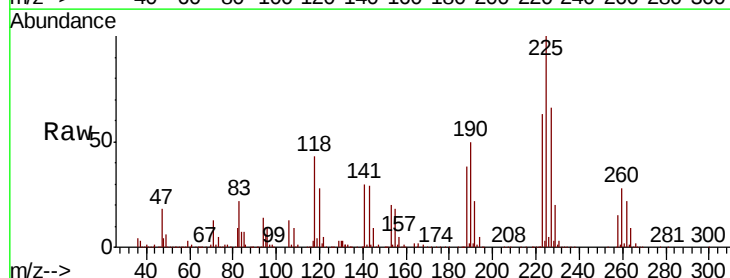
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1204WBSD01

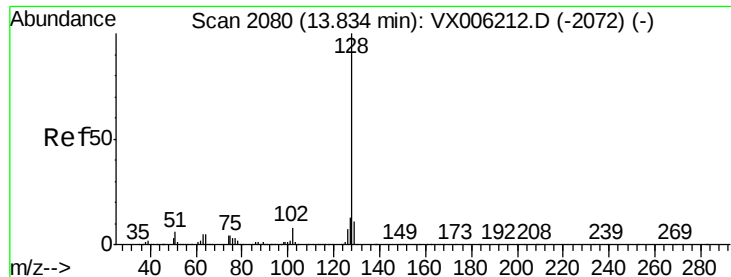
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.3	141.9
145	30.3	14.6	43.8



#94
 Hexachlorobutadiene
 Concen: 19.268 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VX006283.D
 Acq: 04 Dec 2018 17:21

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	31.2	93.6
227	63.6	31.9	95.5





#95

Naphthalene

Concen: 19.579 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX006283.D

Acq: 04 Dec 2018 17:21

Instrument :

MSVOA_X

ClientSampleId :

VX1204WBSD01

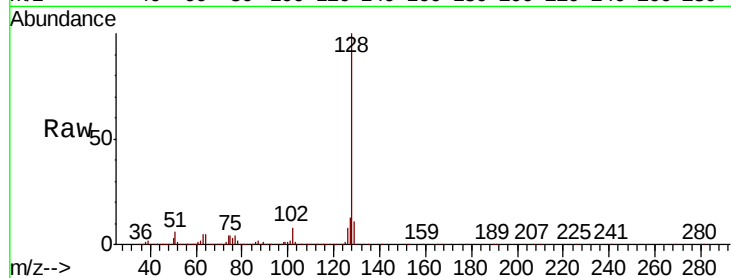
Tot Ion:128 Resp: 692379

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.4

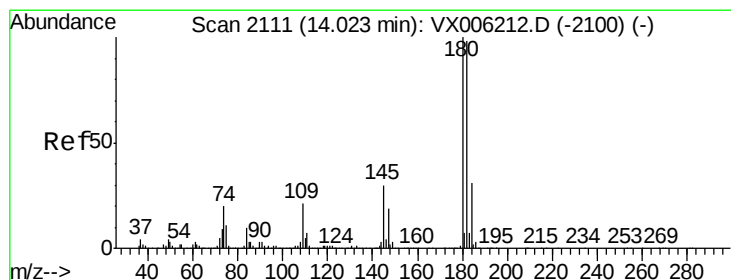
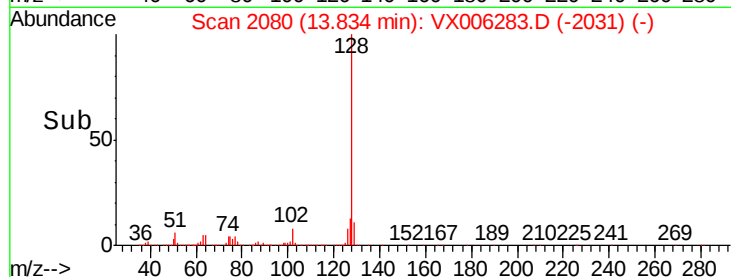
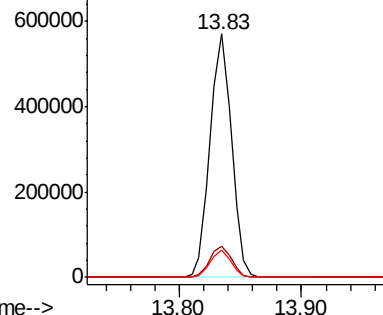
129 10.9 8.9 13.3



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: 19.121 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.01 min

Lab File: VX006283.D

Acq: 04 Dec 2018 17:21

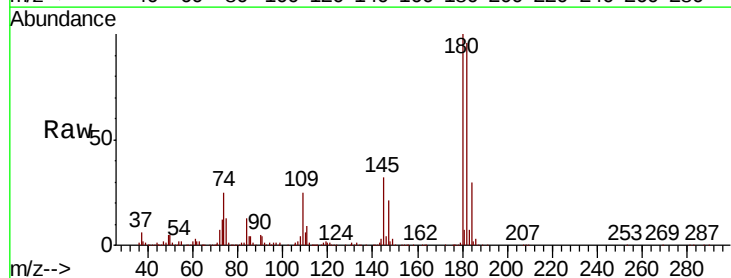
Tgt Ion:180 Resp: 215312

Ion Ratio Lower Upper

180 100

182 95.4 48.4 145.2

145 32.2 15.6 46.8



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

