

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX021919\
 Data File : VX007616.D
 Acq On : 19 Feb 2019 16:30
 Operator : JC/SP
 Sample : K1528-05MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1MS

Quant Time: Feb 20 04:05:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	524694	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	795545	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	736220	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	391033	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	311691	55.97	ug/l	0.00
Spiked Amount			Recovery	=	111.94%	
35) Dibromofluoromethane	5.51	113	265274	51.25	ug/l	0.00
Spiked Amount			Recovery	=	102.50%	
50) Toluene-d8	8.72	98	958747	49.92	ug/l	0.00
Spiked Amount			Recovery	=	99.84%	
62) 4-Bromofluorobenzene	11.14	95	363180	51.80	ug/l	0.00
Spiked Amount			Recovery	=	103.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	266181	41.315	ug/l	99
3) Chloromethane	1.32	50	313266	53.007	ug/l	99
4) Vinyl Chloride	1.40	62	357765	61.707	ug/l	99
5) Bromomethane	1.64	94	21592	3.308	ug/l	97
6) Chloroethane	1.71	64	178533	47.602	ug/l	99
7) Trichlorofluoromethane	1.93	101	395670	43.625	ug/l	99
8) Diethyl Ether	2.19	74	176301	51.645	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.39	101	225499	41.798	ug/l	99
10) Methyl Iodide	2.51	142	22288	2.808	ug/l #	93
11) Tert butyl alcohol	3.08	59	262623	227.863	ug/l #	73
12) 1,1-Dichloroethene	2.38	96	226961	45.304	ug/l	98
13) Acrolein	2.26	56	581894	1076.661	ug/l #	1
14) Allyl chloride	2.73	41	250125	30.642	ug/l	96
15) Acrylonitrile	3.15	53	789678	276.966	ug/l	90
16) Acetone	2.45	43	664246	260.376	ug/l	98
17) Carbon Disulfide	2.57	76	447981	34.867	ug/l	100
18) Methyl Acetate	2.78	43	501300	75.117	ug/l #	87
19) Methyl tert-butyl Ether	3.20	73	720597	44.398	ug/l #	4
20) Methylene Chloride	2.86	84	233362	44.743	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	206990	38.786	ug/l	94
22) Diisopropyl ether	3.87	45	801080	53.352	ug/l	97
23) Vinyl Acetate	3.82	43	3462252	277.875	ug/l	98
24) 1,1-Dichloroethane	3.70	63	419530	48.654	ug/l	98
25) 2-Butanone	4.70	43	1050858	289.450	ug/l	97
26) 2,2-Dichloropropane	4.59	77	301506	45.915	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	280615	48.142	ug/l	96
28) Bromochloromethane	5.02	49	197897	49.907	ug/l	93
29) Tetrahydrofuran	5.15	42	651611	285.375	ug/l	99
30) Chloroform	5.22	83	488152	54.253	ug/l	98
31) Cyclohexane	5.58	56	3216616	415.348	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	384417	50.615	ug/l	98
36) 1,1-Dichloropropene	5.80	75	309200	43.318	ug/l	97
37) Ethyl Acetate	4.85	43	380655	52.755	ug/l	98
38) Carbon Tetrachloride	5.78	117	318915	46.053	ug/l	98

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 QLast Update : Sat Feb 02 01:32:36 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	1783428	206.507	ug/l	95
40) Benzene	6.15	78	967308	46.005	ug/l	98
41) Methacrylonitrile	5.06	41	234236	60.570	ug/l #	57
42) 1,2-Dichloroethane	6.20	62	371581	51.077	ug/l	92
43) Isopropyl Acetate	6.46	43	666634	59.856	ug/l	97
44) Trichloroethene	7.21	130	278703	44.011	ug/l	93
45) 1,2-Dichloropropane	7.52	63	263942	50.101	ug/l	98
46) Dibromomethane	7.66	93	185836	48.535	ug/l	94
47) Bromodichloromethane	7.90	83	337596	52.024	ug/l	98
48) Methyl methacrylate	7.77	41	320204	57.479	ug/l	100
49) 1,4-Dioxane	7.76	88	119637	944.700	ug/l #	94
51) 4-Methyl-2-Pentanone	8.66	43	2087156	284.673	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	230191	33.024	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	76857	10.027	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	287292	50.805	ug/l	97
56) Ethyl methacrylate	9.18	69	474202	60.546	ug/l	94
57) 1,3-Dichloropropane	9.37	76	467945	52.035	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	1186002	287.298	ug/l	98
59) 2-Hexanone	9.49	43	1582917	277.445	ug/l	100
60) Dibromochloromethane	9.59	129	299401	55.982	ug/l	99
61) 1,2-Dibromoethane	9.67	107	305644	51.038	ug/l	98
64) Tetrachloroethene	9.34	164	286237	41.250	ug/l	100
65) Chlorobenzene	10.14	112	729497	45.407	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	274911	51.038	ug/l	99
68) m/p-Xylenes	10.26	106	16597857	1613.883	ug/l #	1
69) o-Xylene	10.71	106	9611418	971.226	ug/l	67
70) Styrene	10.71	104	1439577	89.697	ug/l #	1
71) Bromoform	10.86	173	233751	49.521	ug/l	100
73) Isopropylbenzene	11.02	105	4158531	156.496	ug/l	99
74) N-amyl acetate	10.90	43	592529	57.650	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	428996	52.973	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	397823	52.303	ug/l #	30
77) Bromobenzene	11.26	156	341992	45.678	ug/l	94
78) n-propylbenzene	11.36	91	9494504	325.838	ug/l	99
79) 2-Chlorotoluene	11.44	91	5806887	328.430	ug/l #	46
80) 1,3,5-Trimethylbenzene	11.51	105	10247181	471.356	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.02	75	46814	21.644	ug/l #	69
82) 4-Chlorotoluene	11.51	91	2082494	101.791	ug/l #	70
83) tert-Butylbenzene	11.77	119	1046246	48.609	ug/l	97
84) 1,2,4-Trimethylbenzene	11.67	105	10319299	467.551	ug/l	81
85) sec-Butylbenzene	11.94	105	1490412	57.213	ug/l	94
86) p-Isopropyltoluene	12.07	119	1263554	53.732	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	614338	45.721	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	613223	44.984	ug/l	98
89) n-Butylbenzene	12.38	91	2021206	99.915	ug/l #	60
90) Hexachloroethane	12.59	117	501852	142.595	ug/l #	37
91) 1,2-Dichlorobenzene	12.39	146	611783	45.751	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	128135	76.095	ug/l	72
93) 1,2,4-Trichlorobenzene	13.65	180	459237	50.925	ug/l	94
94) Hexachlorobutadiene	13.78	225	190642	43.536	ug/l	99

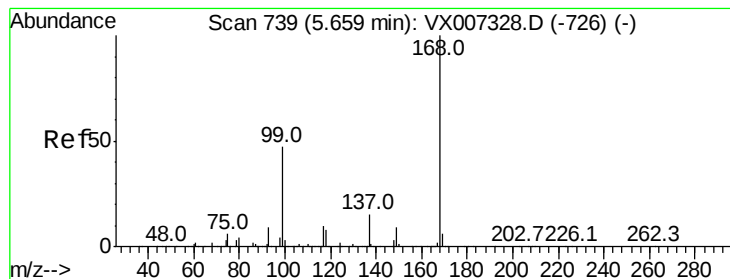
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	13.83	128	13841437	524.865	ug/l #	86
96) 1,2,3-Trichlorobenzene	14.02	180	456905	50.334	ug/l	98

(#) = 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. 0.01 min

Lab File: VX007616.D

Acq: 19 Feb 2019 16:30

Instrument :

MSVOA_X

ClientSampleId :

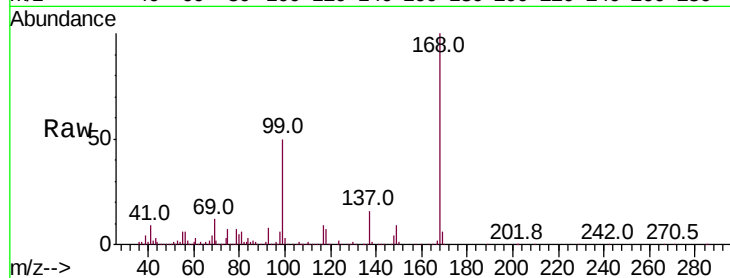
MW-1MS

Tot Ion:168 Resp: 524694

Ion Ratio Lower Upper

168 100

99 50.0 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

200000

150000

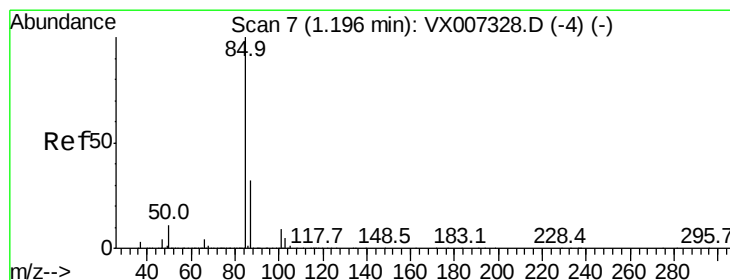
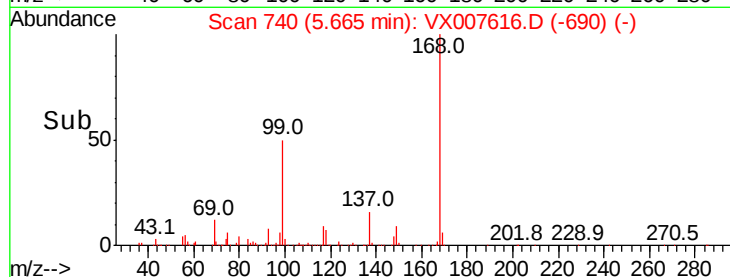
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 41.315 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX007616.D

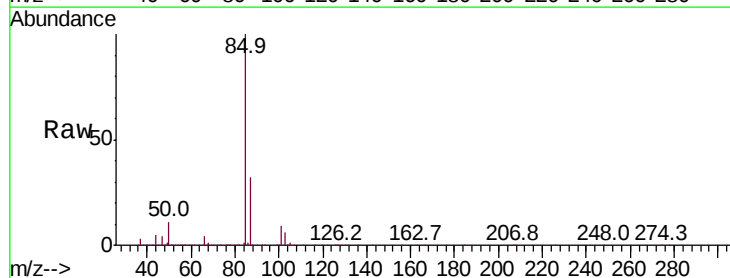
Acq: 19 Feb 2019 16:30

Tgt Ion: 85 Resp: 266181

Ion Ratio Lower Upper

85 100

87 32.4 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

300000

250000

200000

150000

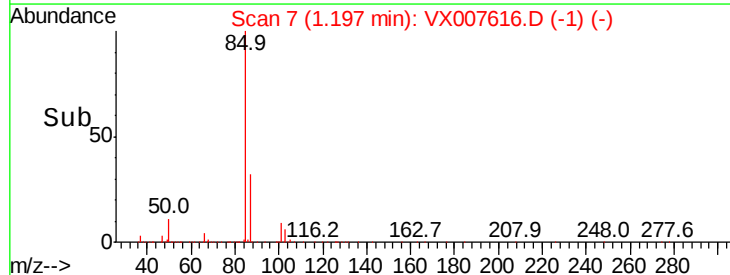
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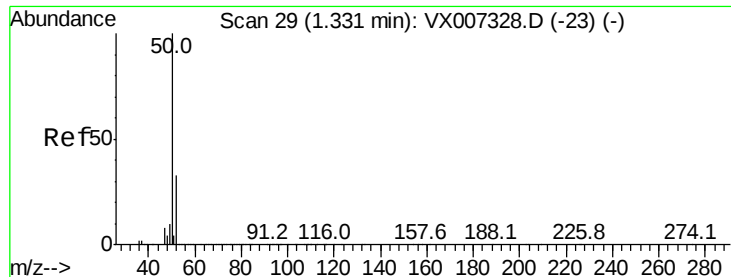
50000

0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 53.007 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX007616.D

Acq: 19 Feb 2019 16:30

Instrument :

MSVOA_X

ClientSampleId :

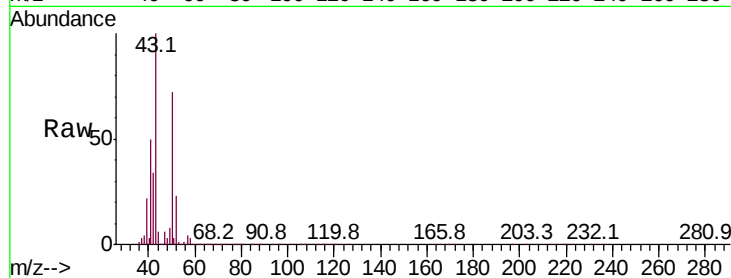
MW-1MS

Tot Ion: 50 Resp: 313266

Ion Ratio Lower Upper

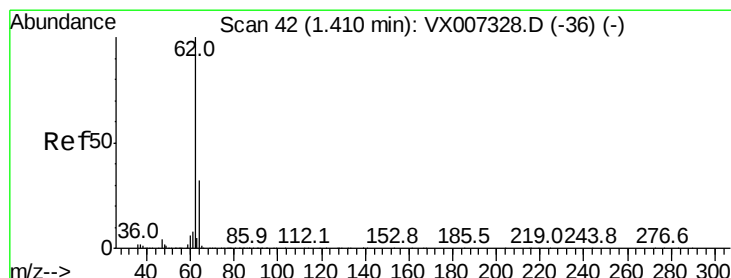
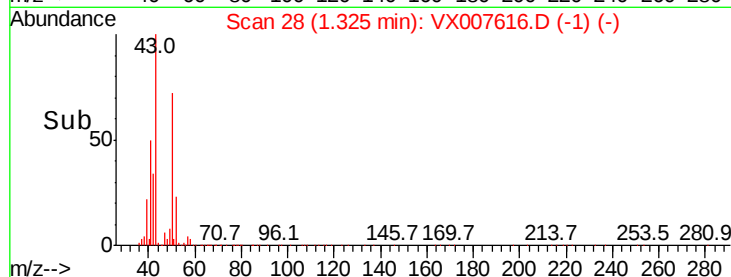
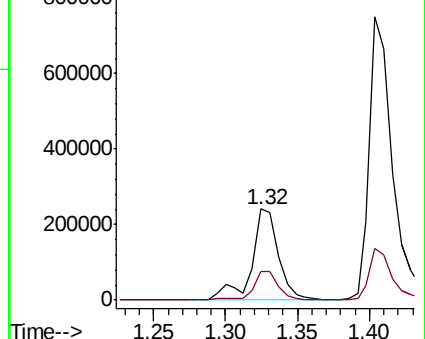
50 100

52 32.1 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 61.707 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX007616.D

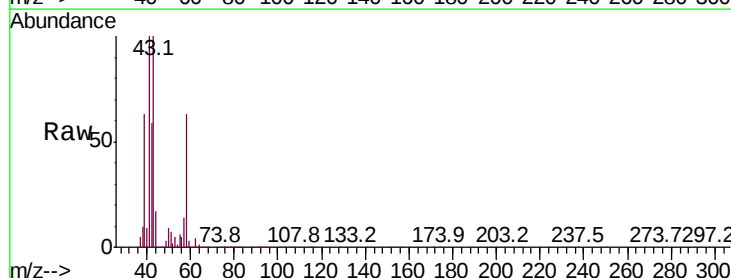
Acq: 19 Feb 2019 16:30

Tgt Ion: 62 Resp: 357765

Ion Ratio Lower Upper

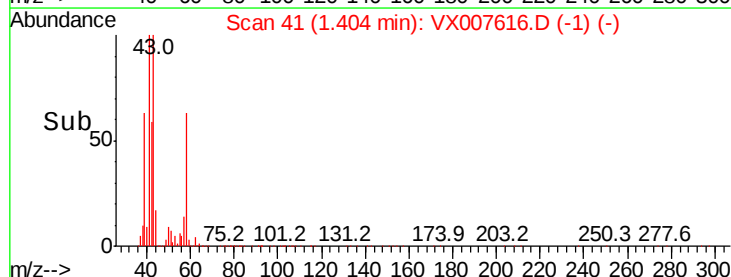
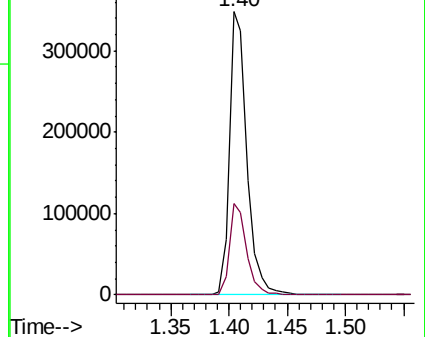
62 100

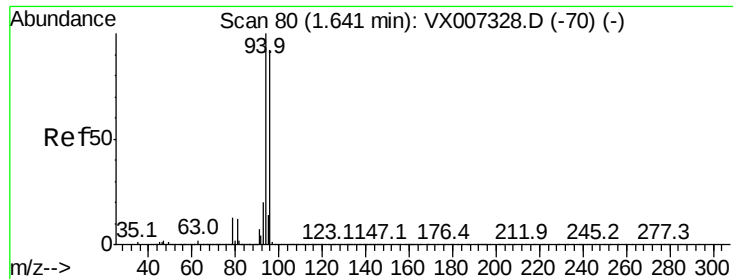
64 32.0 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 3.308 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX007616.D

Acq: 19 Feb 2019 16:30

Instrument :

MSVOA_X

ClientSampleId :

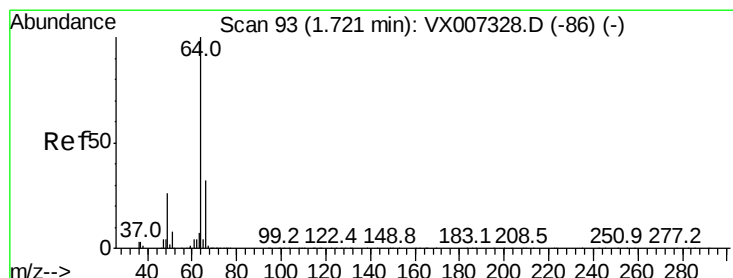
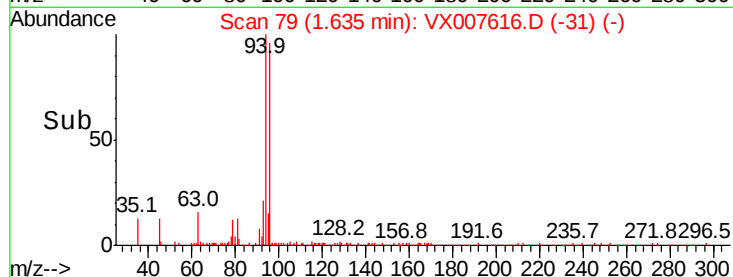
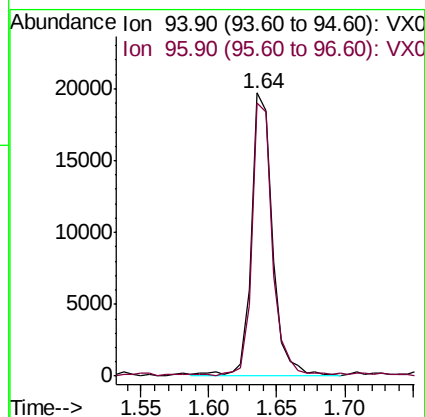
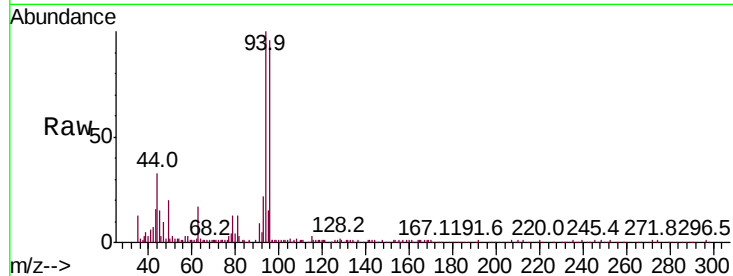
MW-1MS

Tot Ion: 94 Resp: 21592

Ion Ratio Lower Upper

94 100

96 95.7 73.9 110.9



#6

Chloroethane

Concen: 47.602 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX007616.D

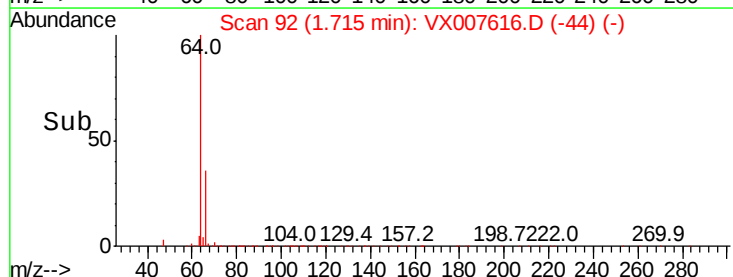
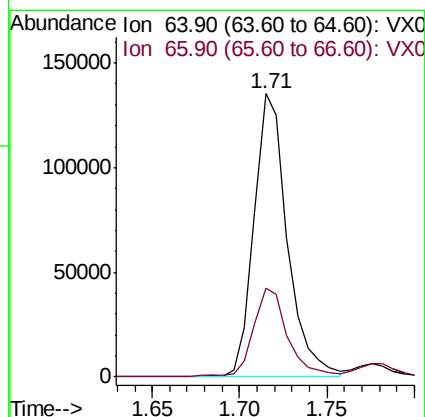
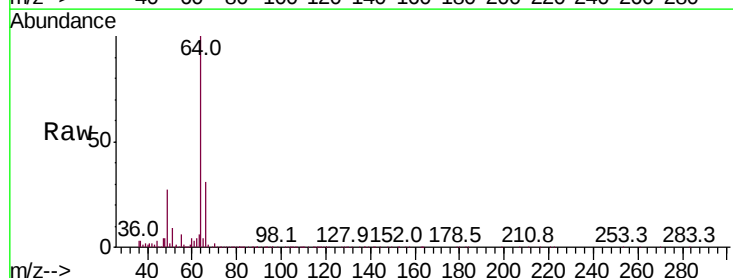
Acq: 19 Feb 2019 16:30

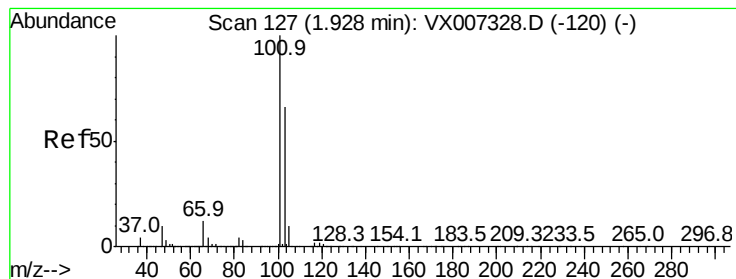
Tgt Ion: 64 Resp: 178533

Ion Ratio Lower Upper

64 100

66 31.1 25.5 38.3



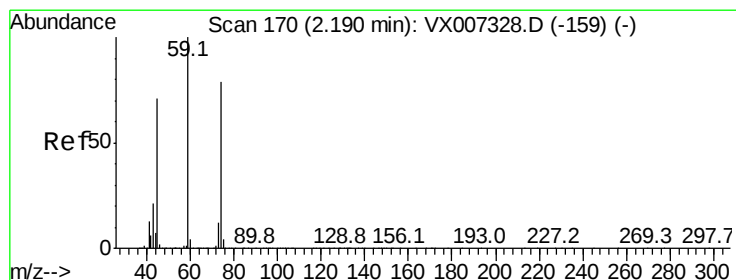
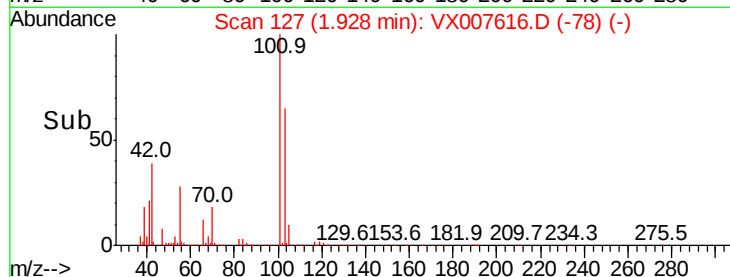
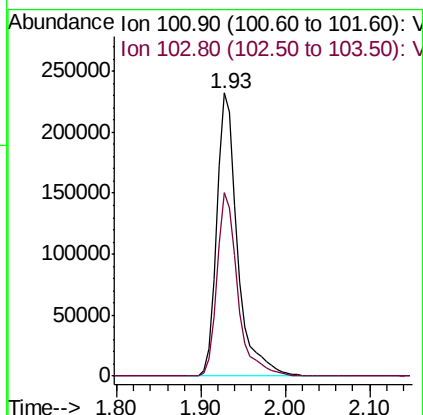
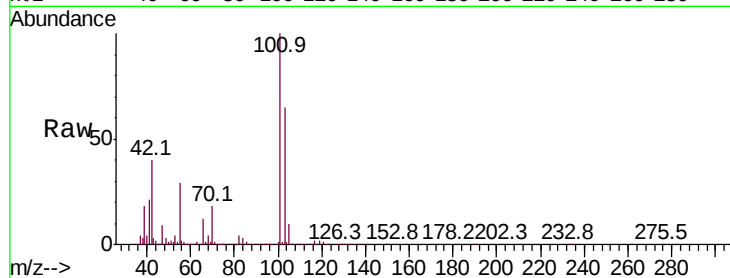


#7

Trichlorofluoromethane
Concen: 43.625 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX007616.D
Acq: 19 Feb 2019 16:30

Instrument :
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ClientSampleId :
MW-1MS

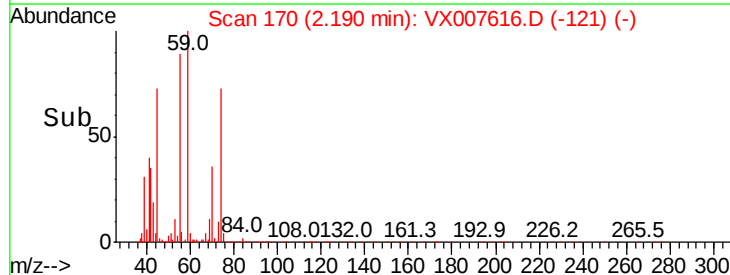
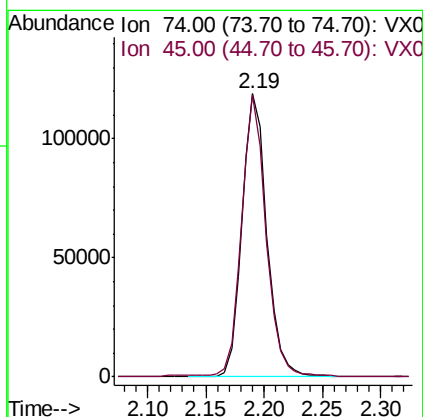
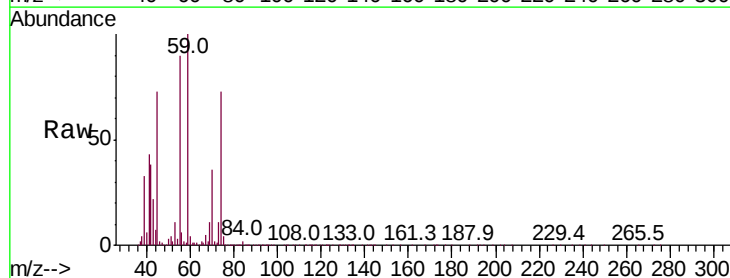
Tot Ion:101 Resp: 395670
Ion Ratio Lower Upper
101 100
103 64.6 52.6 79.0

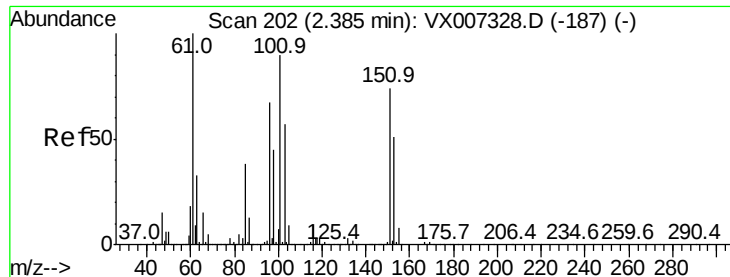


#8

Diethyl Ether
Concen: 51.645 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX007616.D
Acq: 19 Feb 2019 16:30

Tgt Ion: 74 Resp: 176301
Ion Ratio Lower Upper
74 100
45 98.3 45.7 137.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 41.798 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX007616.D

Acq: 19 Feb 2019 16:30

Instrument :

MSVOA_X

ClientSampleId :

MW-1MS

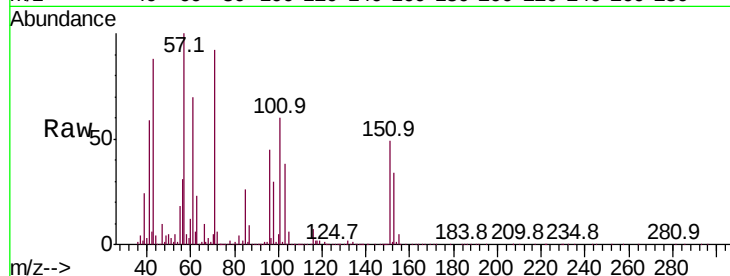
Tot Ion:101 Resp: 225499

Ion Ratio Lower Upper

101 100

85 44.7 34.1 51.1

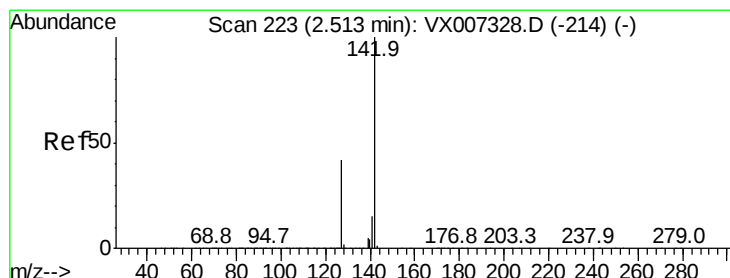
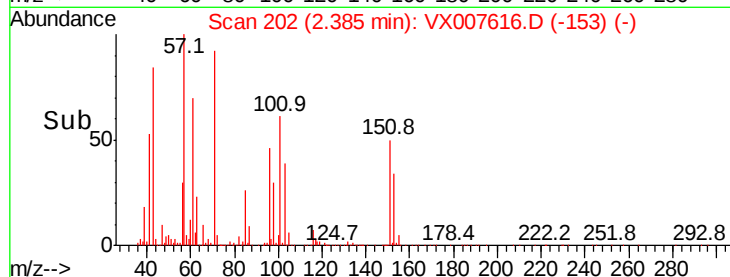
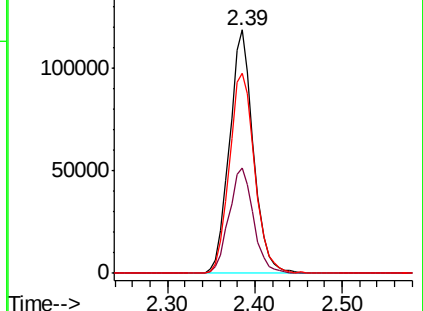
151 87.3 69.9 104.9



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: 2.808 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.00 min

Lab File: VX007616.D

Acq: 19 Feb 2019 16:30

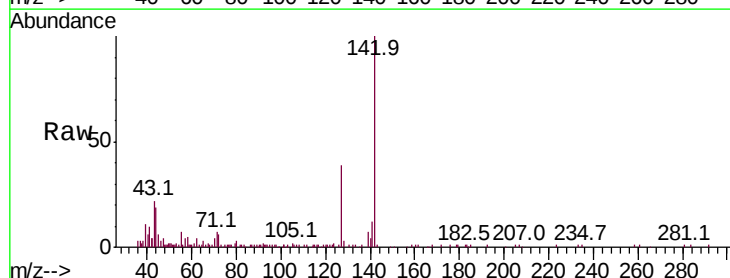
Tgt Ion:142 Resp: 22288

Ion Ratio Lower Upper

142 100

127 46.2 33.7 50.5

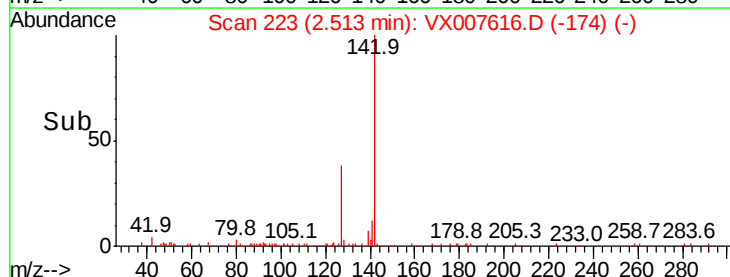
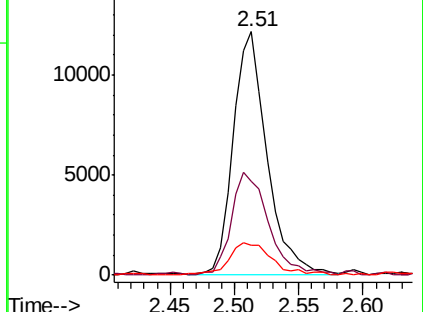
141 17.1 11.3 16.9#

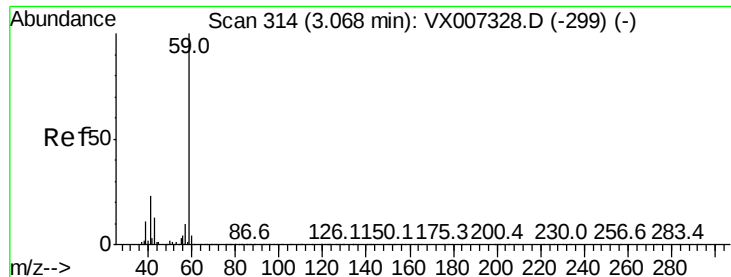


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



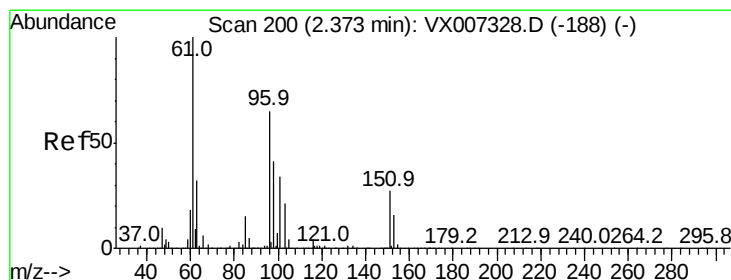
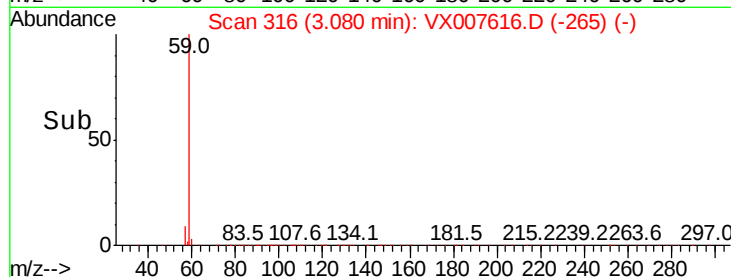
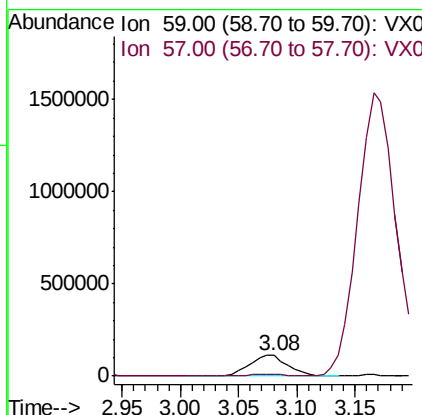
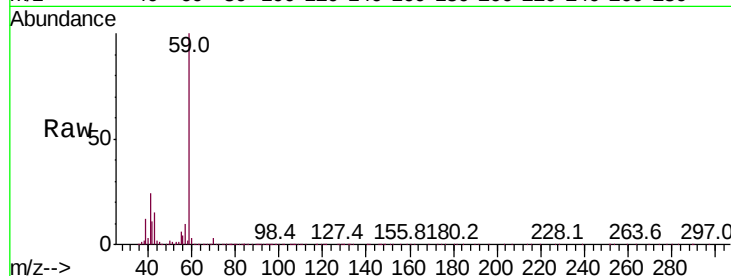


#11

Tert butyl alcohol
 Concen: 227.863 ug/l
 RT: 3.08 min Scan# 316
 Delta R.T. 0.01 min
 Lab File: VX007616.D
 Acq: 19 Feb 2019 16:30

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1MS

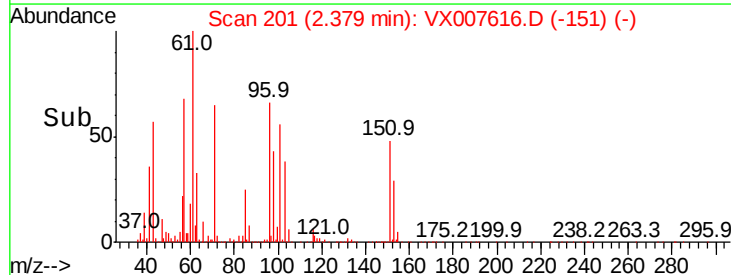
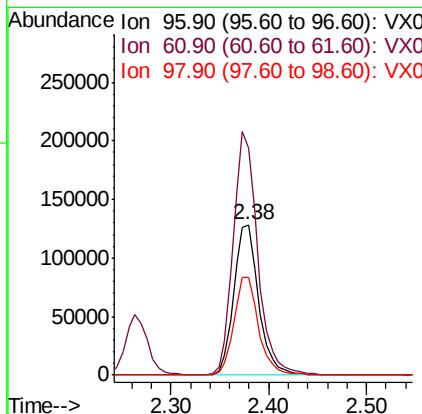
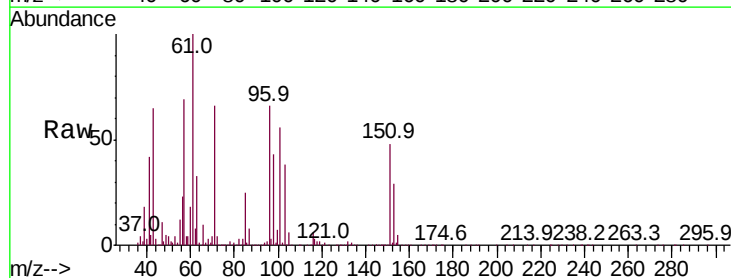
Tot Ion: 59 Resp: 262623
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.1 12.1#

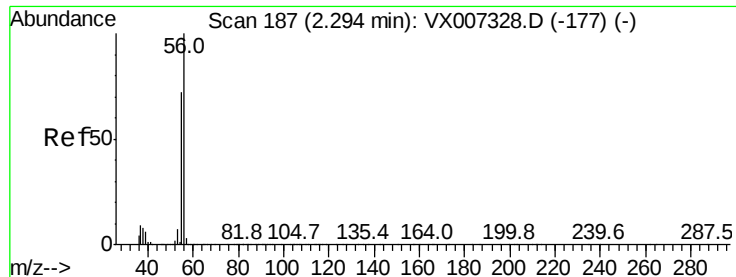


#12

1,1-Dichloroethene
 Concen: 45.304 ug/l
 RT: 2.38 min Scan# 201
 Delta R.T. 0.01 min
 Lab File: VX007616.D
 Acq: 19 Feb 2019 16:30

Tgt Ion: 96 Resp: 226961
 Ion Ratio Lower Upper
 96 100
 61 150.2 123.0 184.4
 98 64.9 50.9 76.3





#13

Acrolein

Concen: 1076.661 ug/l

RT: 2.26 min Scan# 182

Delta R.T. -0.03 min

Lab File: VX007616.D

Acq: 19 Feb 2019 16:30

Instrument :

MSVOA_X

ClientSampleId :

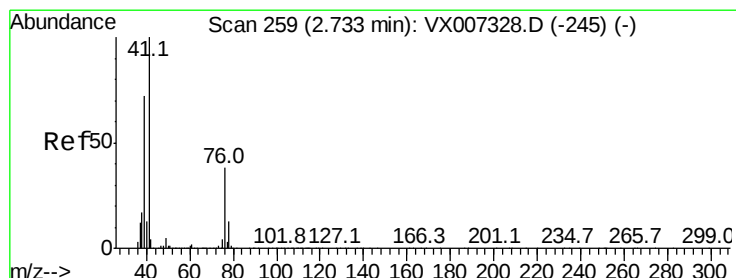
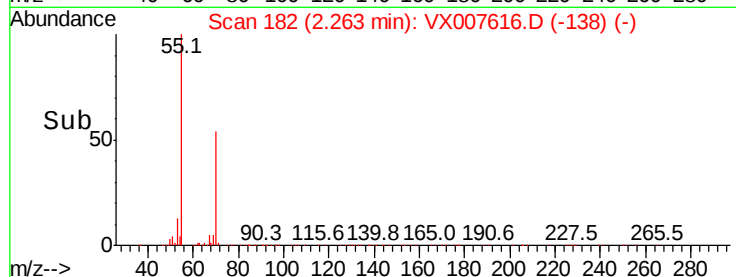
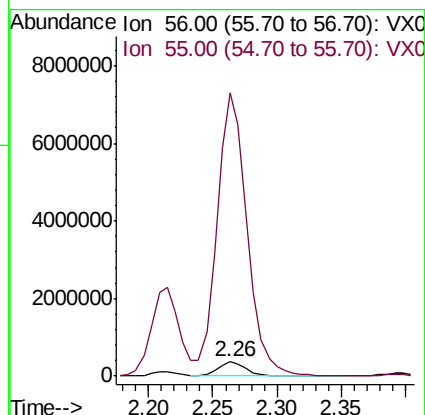
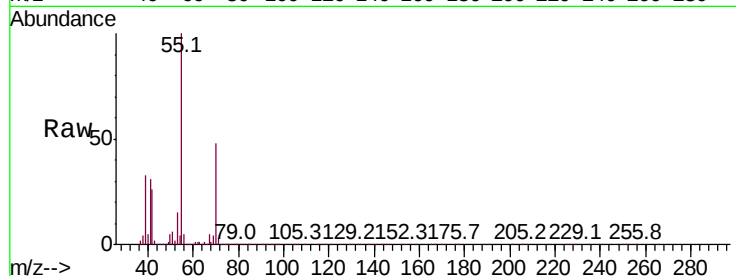
MW-1MS

Tot Ion: 56 Resp: 581894

Ion Ratio Lower Upper

56 100

55 2030.5 56.9 85.3#



#14

Allyl chloride

Concen: 30.642 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.01 min

Lab File: VX007616.D

Acq: 19 Feb 2019 16:30

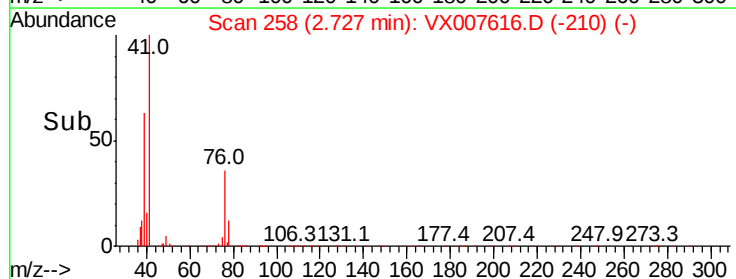
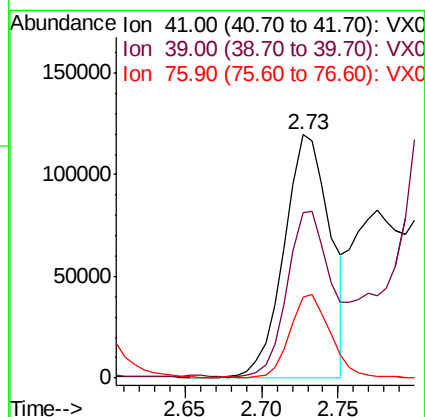
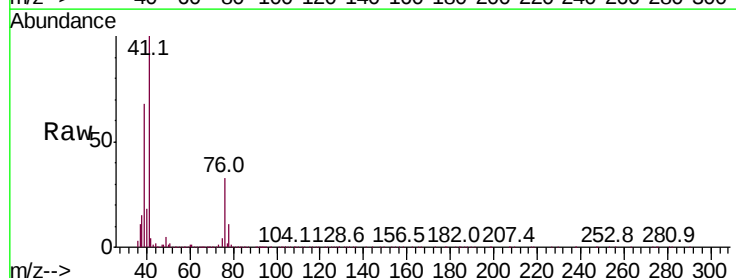
Tgt Ion: 41 Resp: 250125

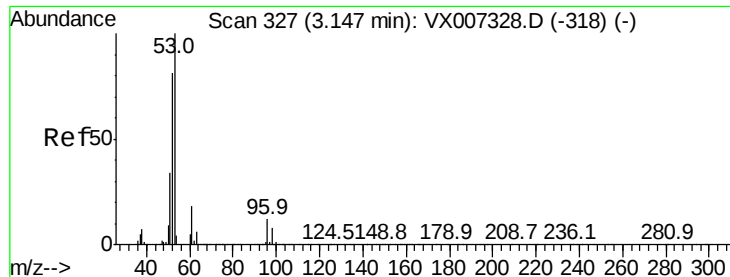
Ion Ratio Lower Upper

41 100

39 68.8 54.1 81.1

76 30.0 27.8 41.8





#15

Acrylonitrile

Concen: 276.966 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX007616.D

Acq: 19 Feb 2019 16:30

Instrument :

MSVOA_X

ClientSampleId :

MW-1MS

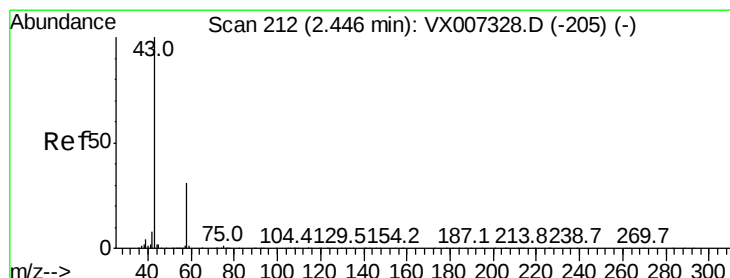
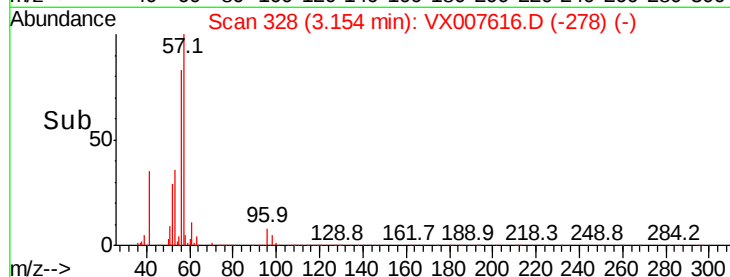
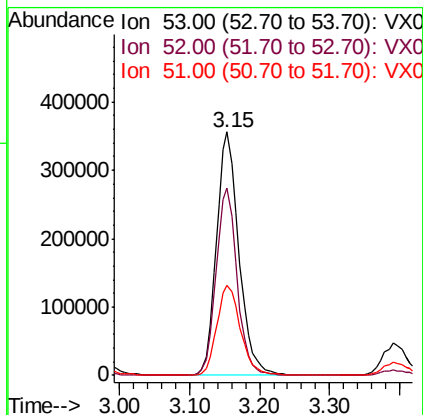
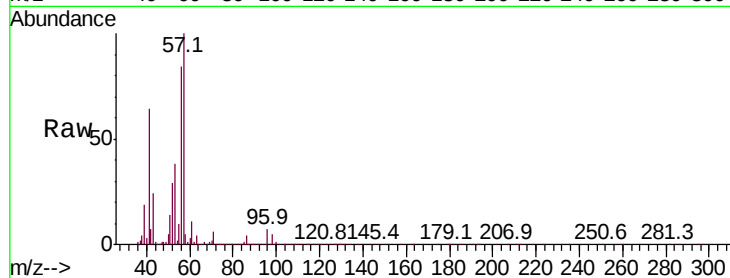
Tot Ion: 53 Resp: 789678

Ion Ratio Lower Upper

53 100

52 71.9 66.4 99.6

51 39.1 28.4 42.6



#16

Acetone

Concen: 260.376 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX007616.D

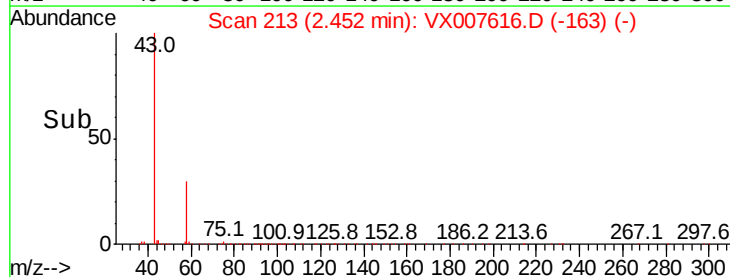
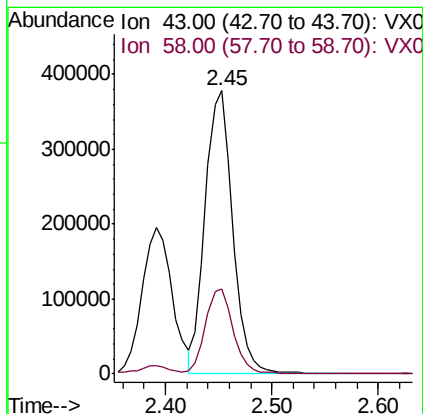
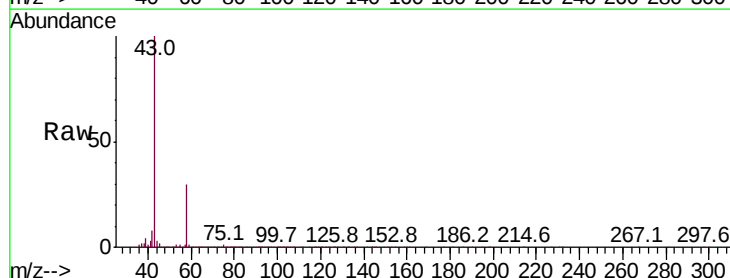
Acq: 19 Feb 2019 16:30

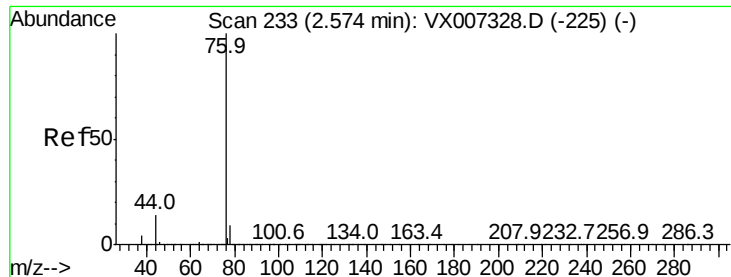
Tgt Ion: 43 Resp: 664246

Ion Ratio Lower Upper

43 100

58 29.9 24.9 37.3

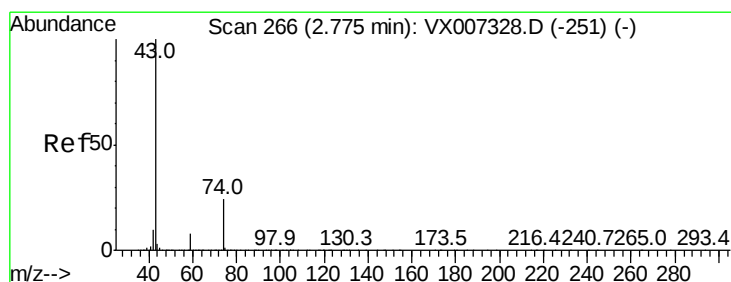
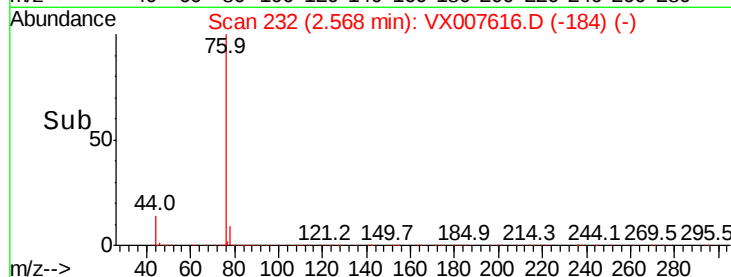
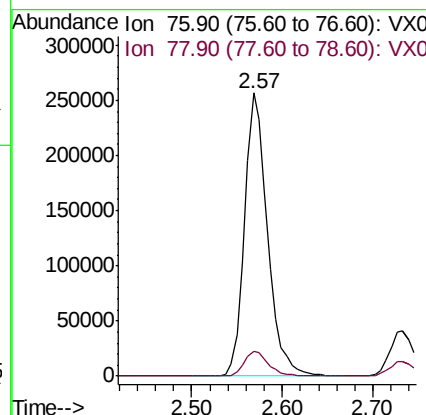
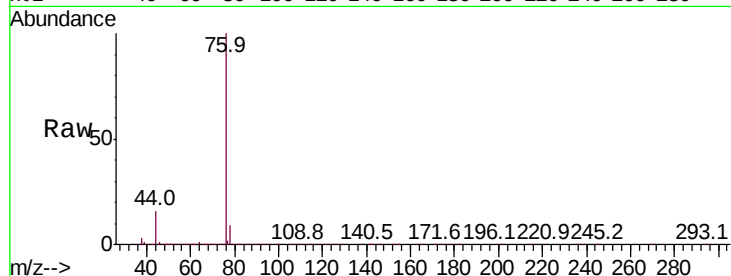




#17
Carbon Disulfide
Concen: 34.867 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.01 min
Lab File: VX007616.D
Acq: 19 Feb 2019 16:30

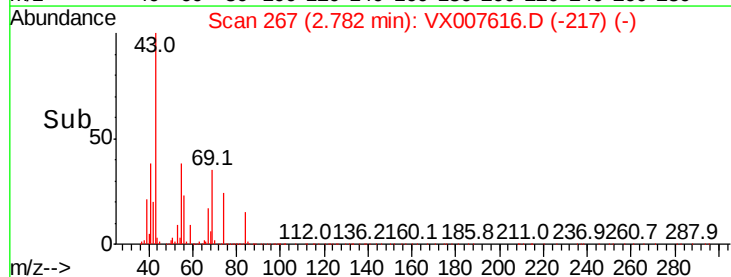
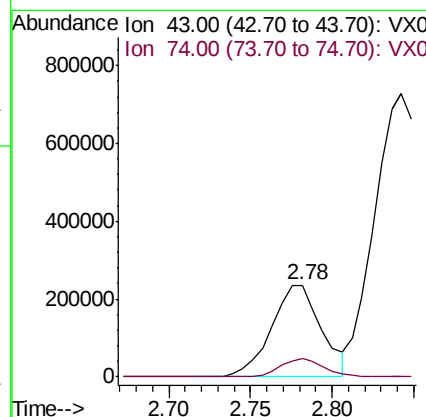
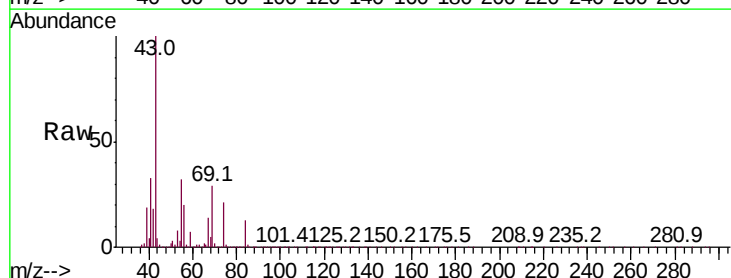
Instrument :
MSVOA_X
ClientSampleId :
MW-1MS

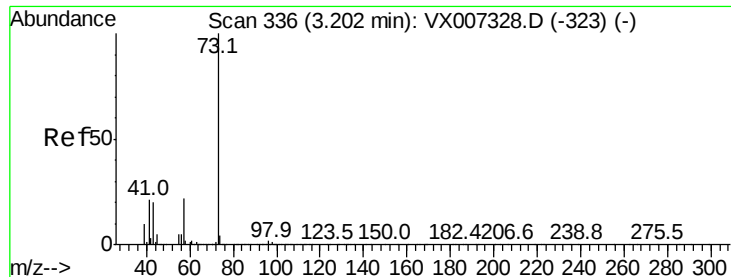
Tot Ion: 76 Resp: 447981
Ion Ratio Lower Upper
76 100
78 8.9 7.1 10.7



#18
Methyl Acetate
Concen: 75.117 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX007616.D
Acq: 19 Feb 2019 16:30

Tgt Ion: 43 Resp: 501300
Ion Ratio Lower Upper
43 100
74 17.7 19.4 29.2#





#19

Methyl tert-butyl Ether

Concen: 44.398 ug/l

RT: 3.20 min Scan# 336

Delta R.T. 0.00 min

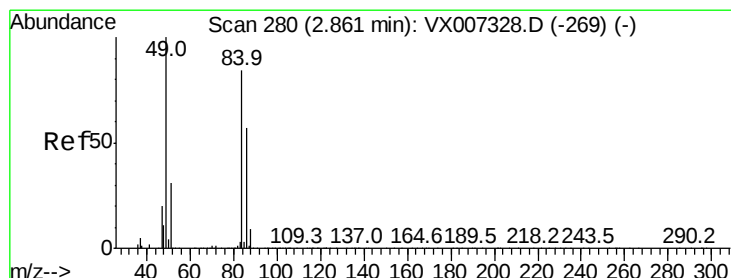
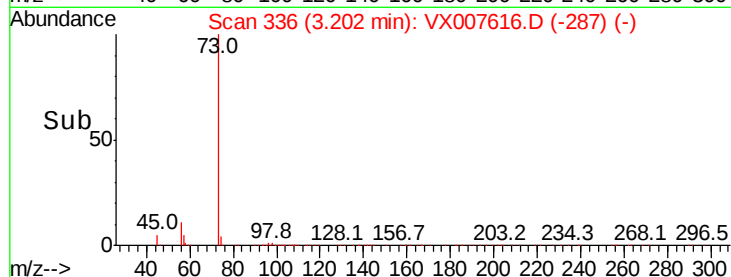
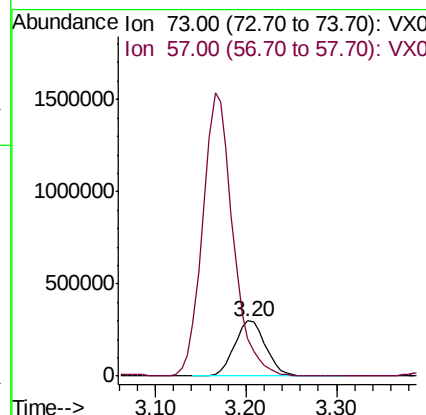
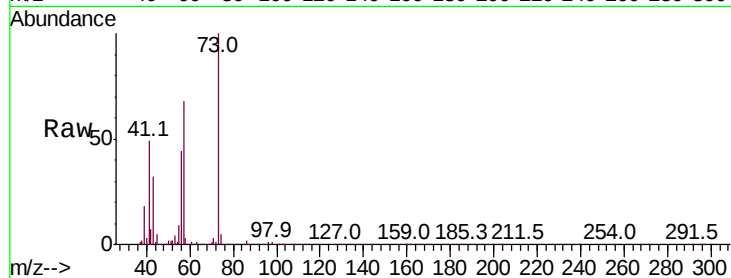
Lab File: VX007616.D

Acq: 19 Feb 2019 16:30

Instrument :
MSVOA_X
ClientSampleId :
MW-1MS

Tot Ion: 73 Resp: 720597

Ion	Ratio	Lower	Upper
73	100		
57	68.3	17.8	26.8#



#20

Methylene Chloride

Concen: 44.743 ug/l

RT: 2.86 min Scan# 280

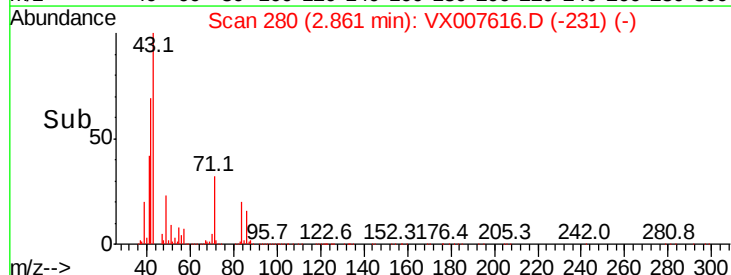
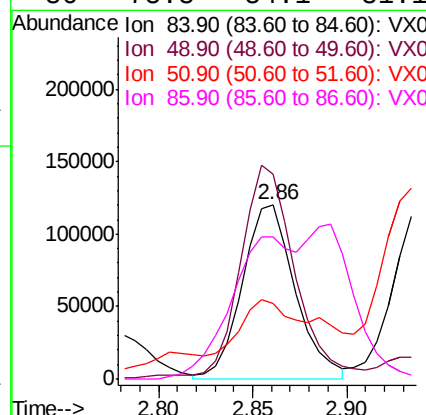
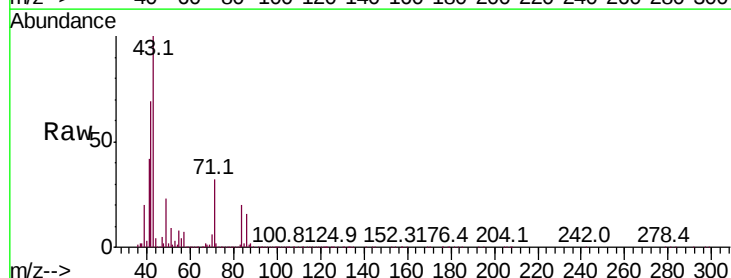
Delta R.T. 0.00 min

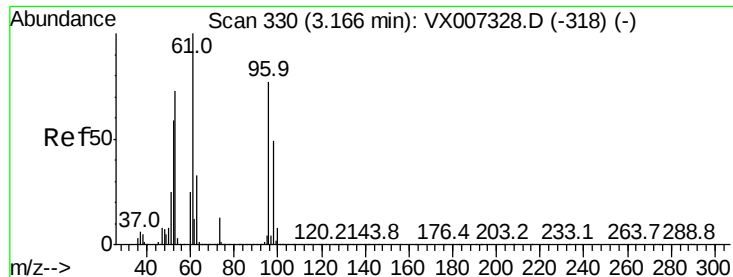
Lab File: VX007616.D

Acq: 19 Feb 2019 16:30

Tgt Ion: 84 Resp: 233362

Ion	Ratio	Lower	Upper
84	100		
49	117.7	94.8	142.2
51	30.0	29.8	44.8
86	75.8	54.1	81.1





#21

trans-1,2-Dichloroethene

Concen: 38.786 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX007616.D

Acq: 19 Feb 2019 16:30

Instrument :

MSVOA_X

ClientSampleId :

MW-1MS

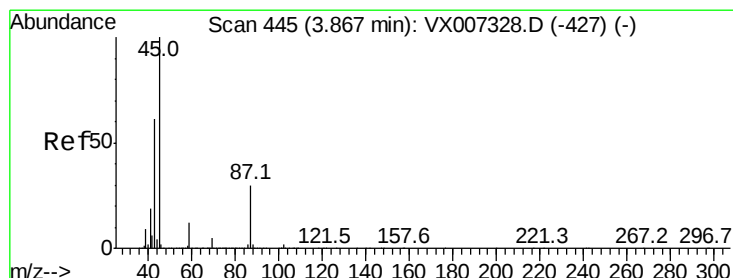
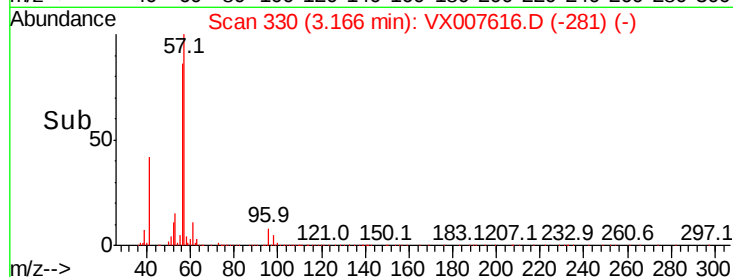
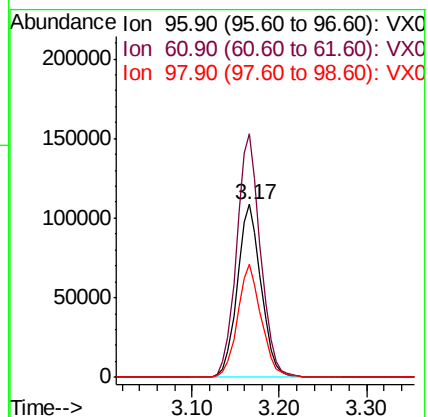
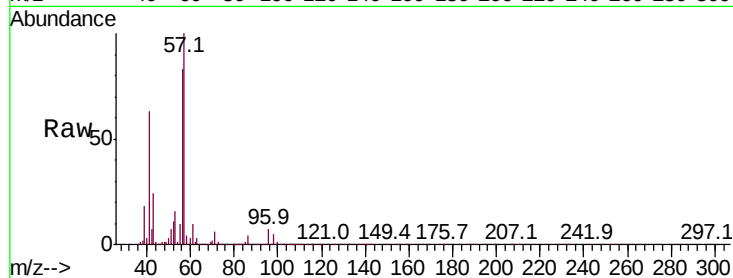
Tot Ion: 96 Resp: 206990

Ion Ratio Lower Upper

96 100

61 140.7 104.6 156.8

98 65.4 51.0 76.4



#22

Diisopropyl ether

Concen: 53.352 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.01 min

Lab File: VX007616.D

Acq: 19 Feb 2019 16:30

Tgt Ion: 45 Resp: 801080

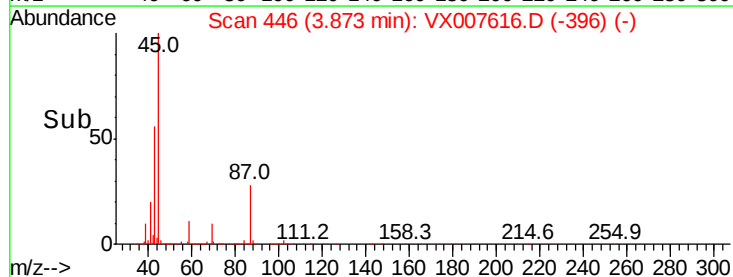
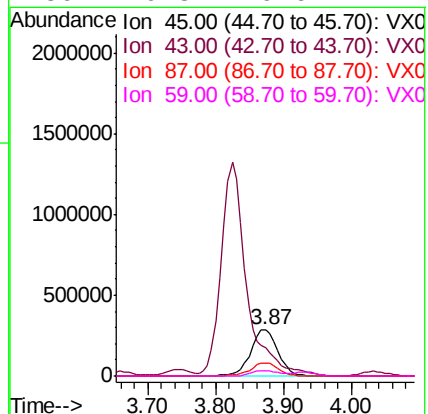
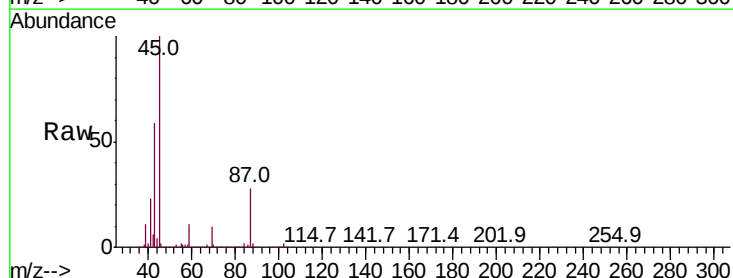
Ion Ratio Lower Upper

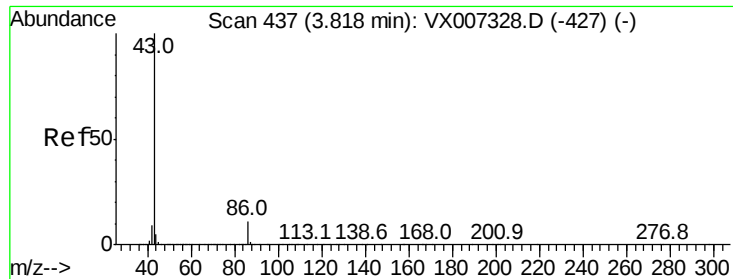
45 100

43 58.5 48.9 73.3

87 28.4 23.9 35.9

59 10.8 9.6 14.4





#23

Vinyl Acetate

Concen: 277.875 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX007616.D

Acq: 19 Feb 2019 16:30

Instrument :

MSVOA_X

ClientSampled :

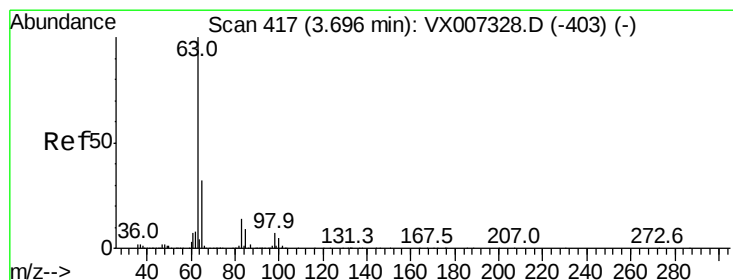
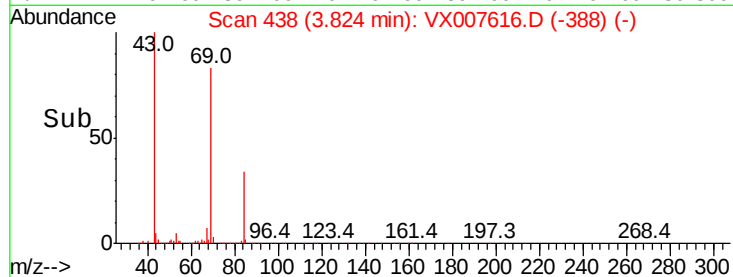
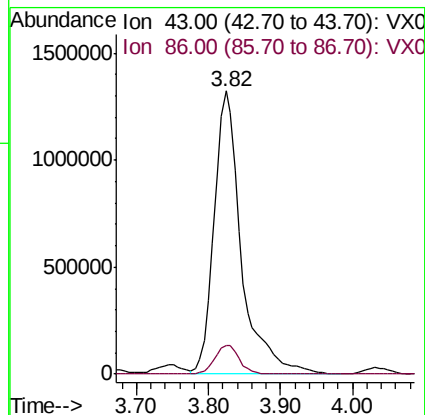
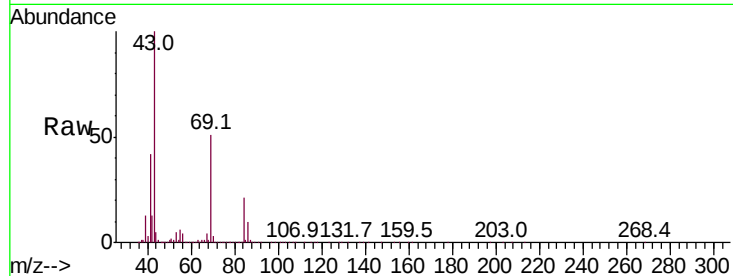
MW-1MS

Tot Ion: 43 Resp: 3462252

Ion Ratio Lower Upper

43 100

86 10.3 8.7 13.1



#24

1,1-Dichloroethane

Concen: 48.654 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX007616.D

Acq: 19 Feb 2019 16:30

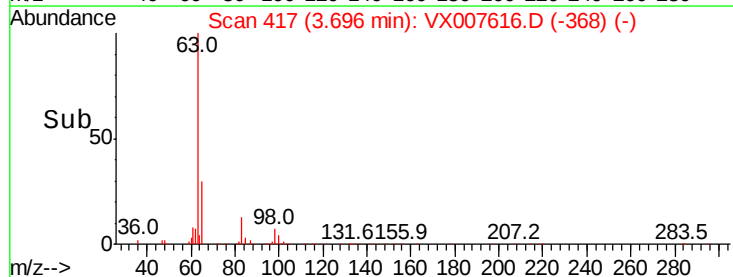
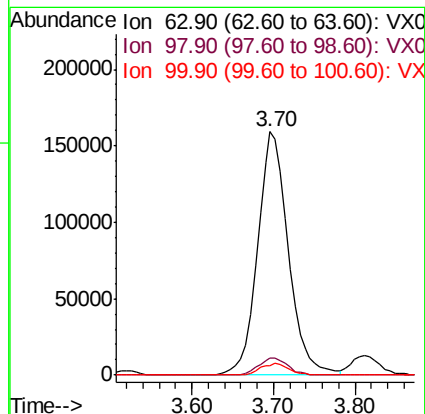
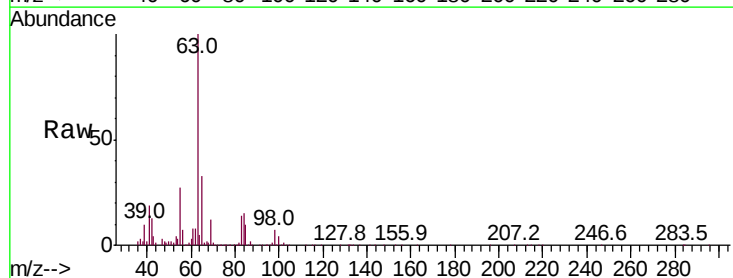
Tgt Ion: 63 Resp: 419530

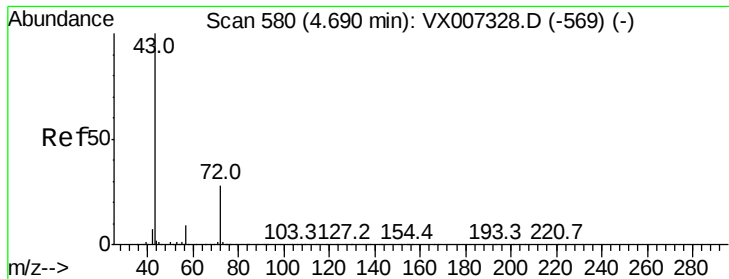
Ion Ratio Lower Upper

63 100

98 6.9 3.6 10.8

100 4.0 2.5 7.4





#25

2-Butanone

Concen: 289.450 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX007616.D

Acq: 19 Feb 2019 16:30

Instrument :

MSVOA_X

ClientSampleId :

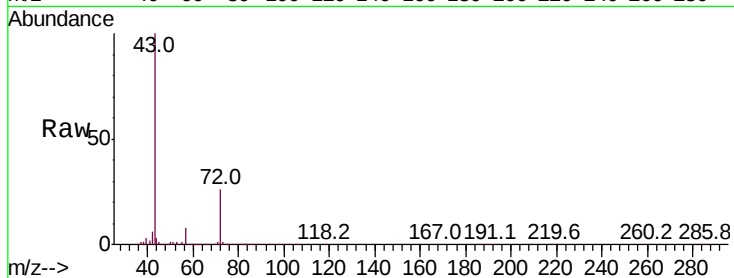
MW-1MS

Tot Ion: 43 Resp: 1050858

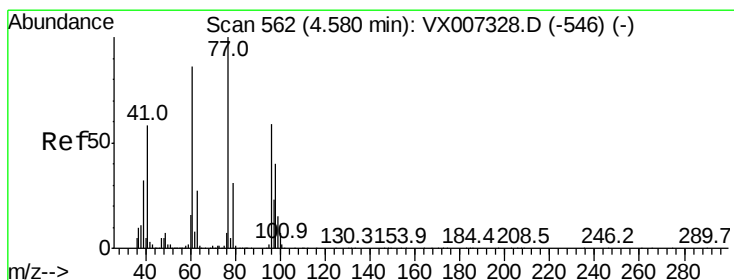
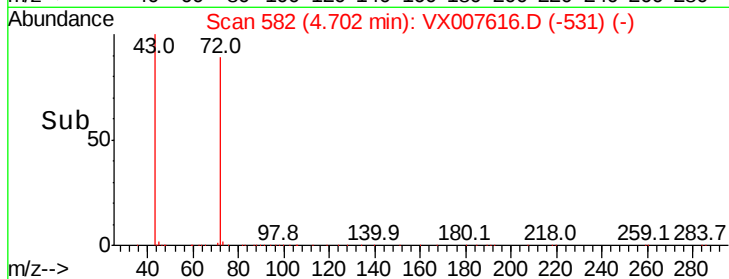
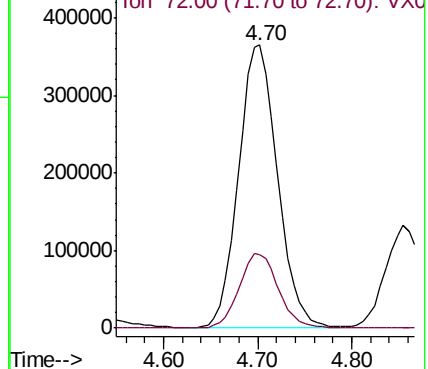
Ion Ratio Lower Upper

43 100

72 26.0 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VX0



#26

2,2-Dichloropropane

Concen: 45.915 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX007616.D

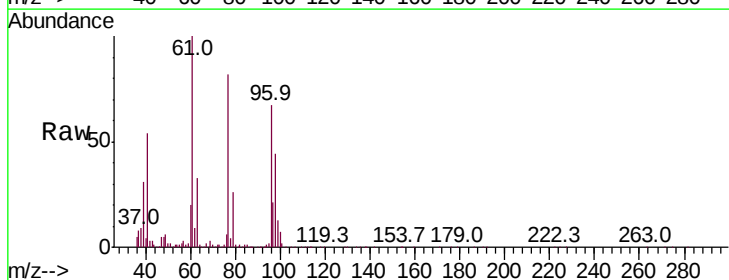
Acq: 19 Feb 2019 16:30

Tgt Ion: 77 Resp: 301506

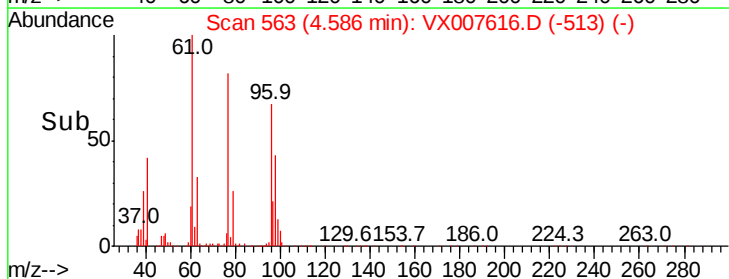
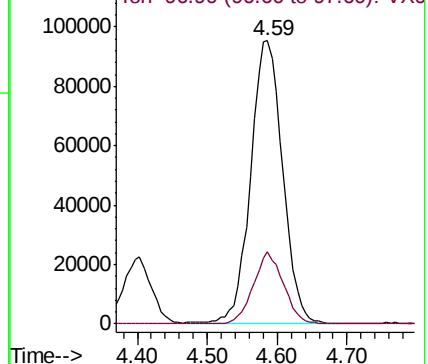
Ion Ratio Lower Upper

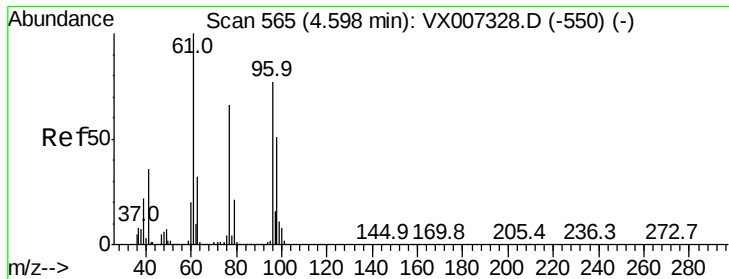
77 100

97 24.2 12.1 36.3



Abundance Ion 76.90 (76.60 to 77.60): VX0



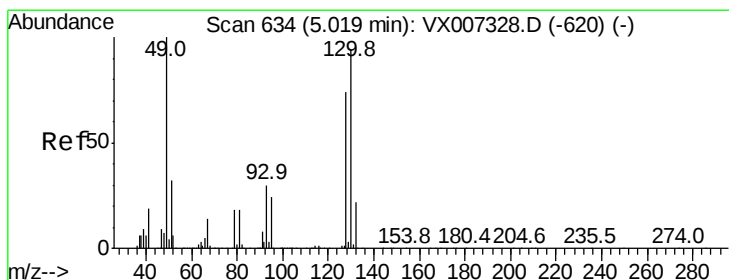
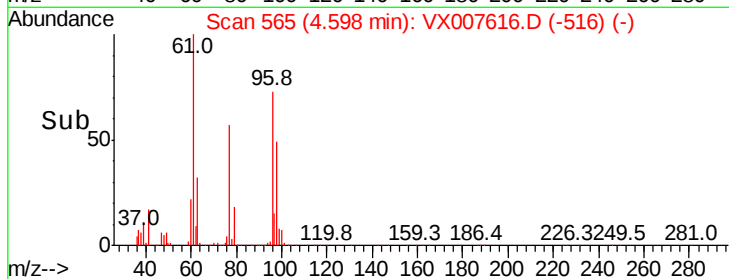
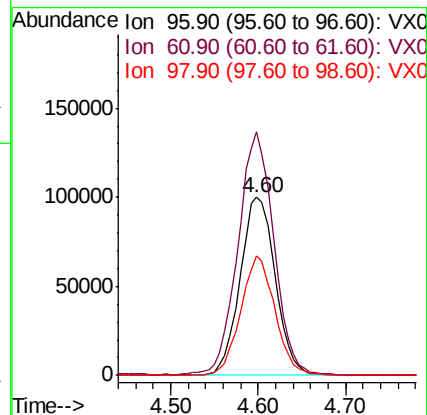
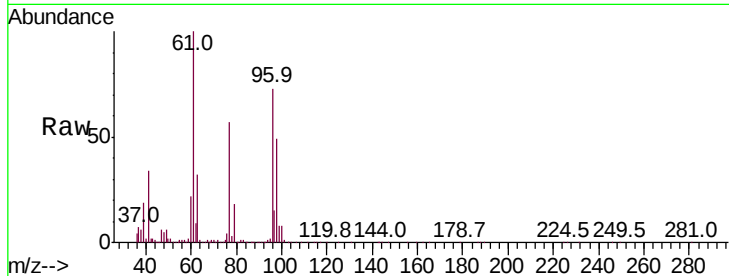


#27

cis-1,2-Dichloroethene
 Concen: 48.142 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX007616.D
 Acq: 19 Feb 2019 16:30

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1MS

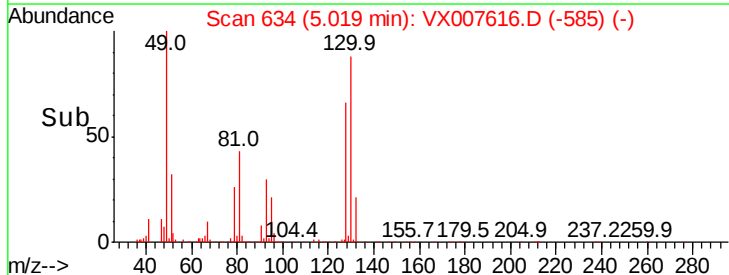
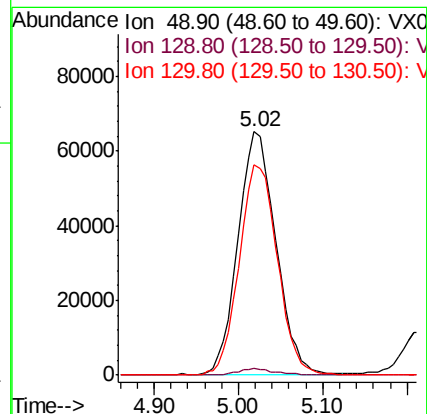
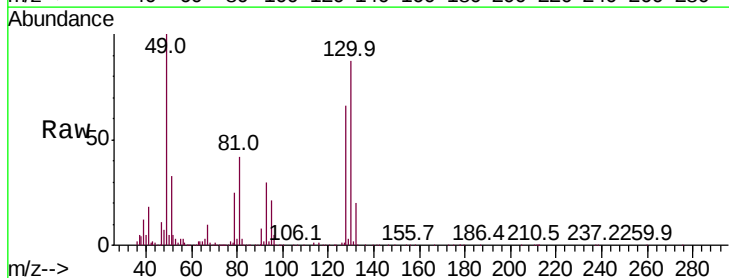
Tot Ion	Ratio	Lower	Upper
96	100		
61	138.8	0.0	265.6
98	64.6	0.0	131.6

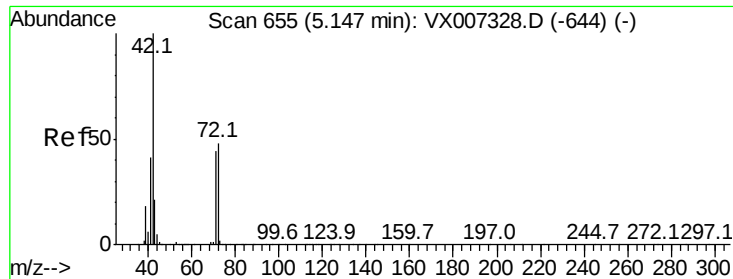


#28

Bromochloromethane
 Concen: 49.907 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. 0.00 min
 Lab File: VX007616.D
 Acq: 19 Feb 2019 16:30

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	5.6
130	87.3	75.6	113.4

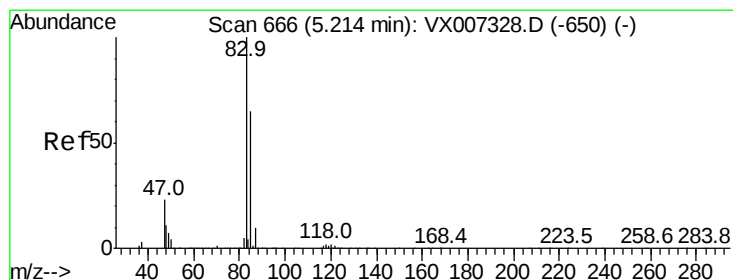
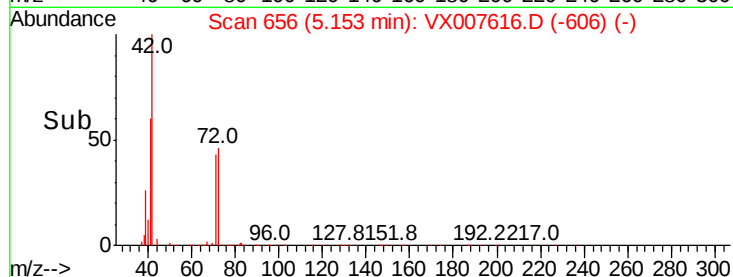
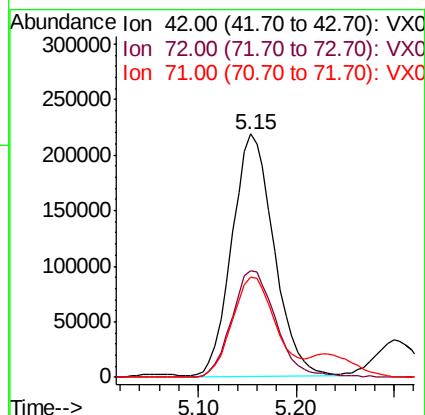
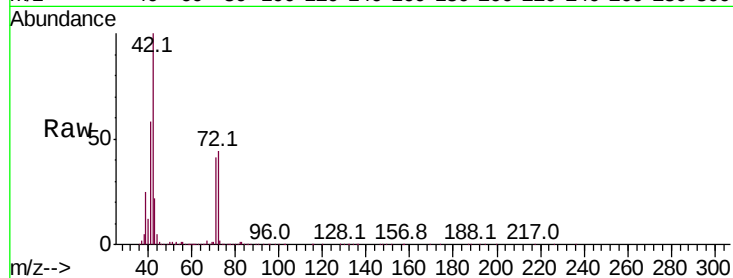




#29
Tetrahydrofuran
Concen: 285.375 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.01 min
Lab File: VX007616.D
Acq: 19 Feb 2019 16:30

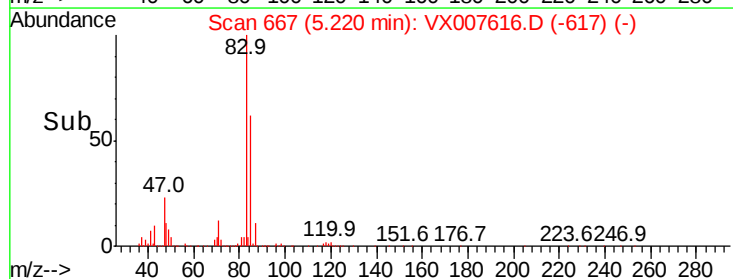
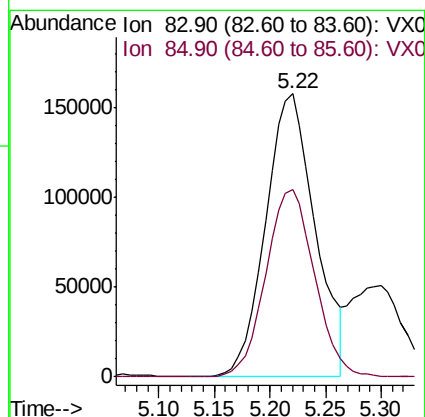
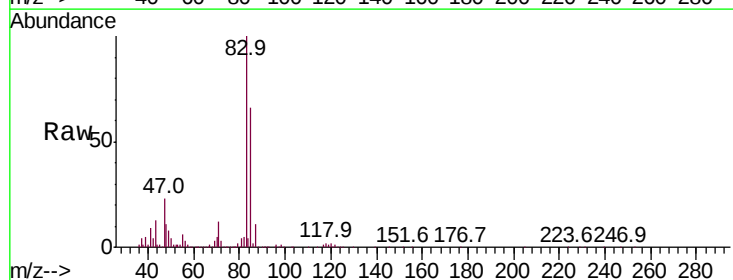
Instrument :
MSVOA_X
ClientSampleId :
MW-1MS

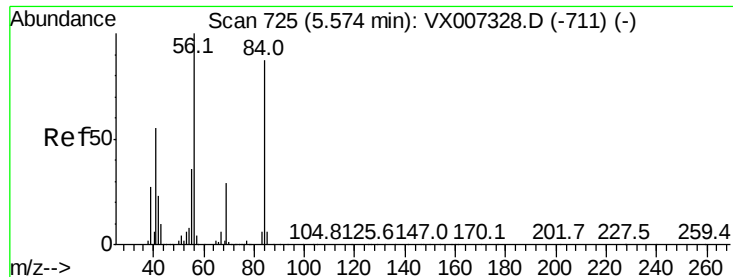
Tot Ion: 42 Resp: 651611
Ion Ratio Lower Upper
42 100
72 46.4 37.6 56.4
71 43.4 34.6 51.8



#30
Chloroform
Concen: 54.253 ug/l
RT: 5.22 min Scan# 667
Delta R.T. 0.01 min
Lab File: VX007616.D
Acq: 19 Feb 2019 16:30

Tgt Ion: 83 Resp: 488152
Ion Ratio Lower Upper
83 100
85 66.3 51.6 77.4

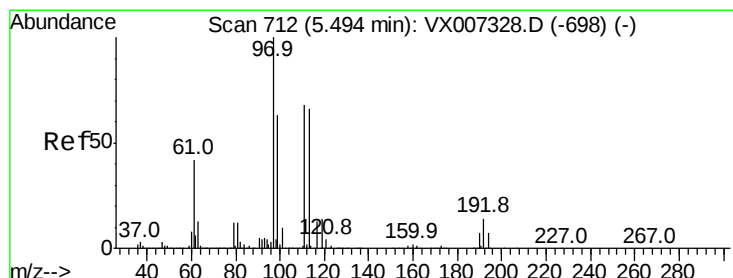
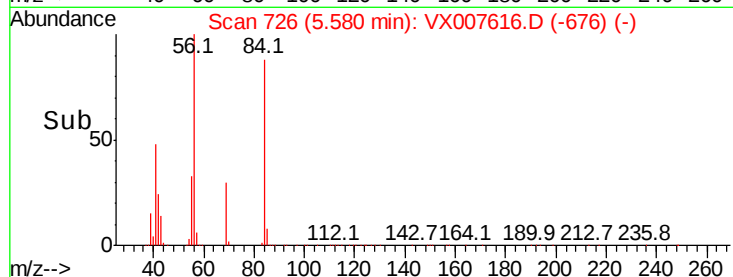
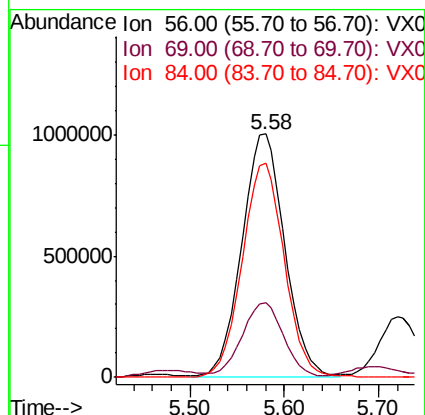
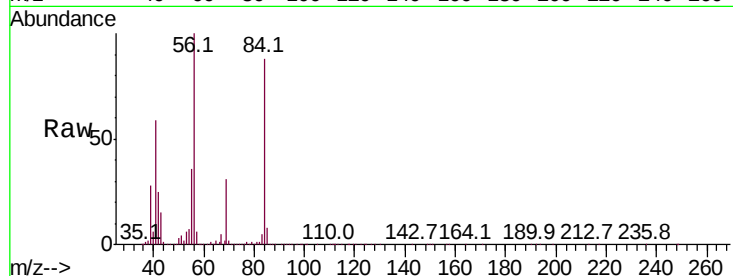




#31
Cyclohexane
Concen: 415.348 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.01 min
Lab File: VX007616.D
Acq: 19 Feb 2019 16:30

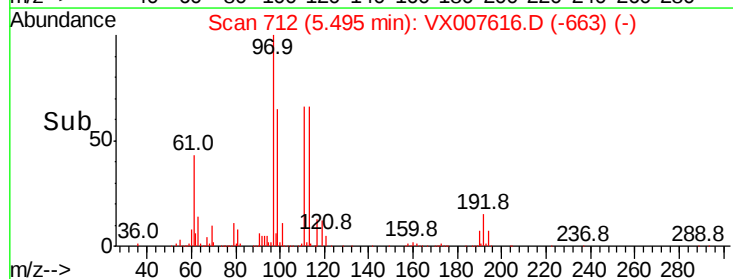
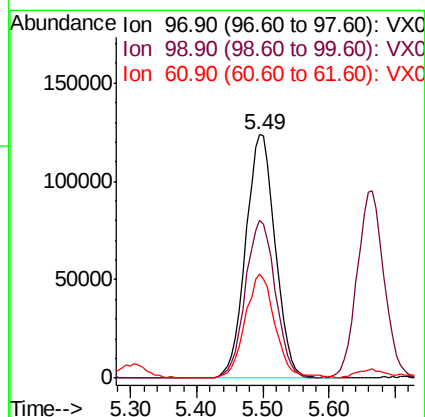
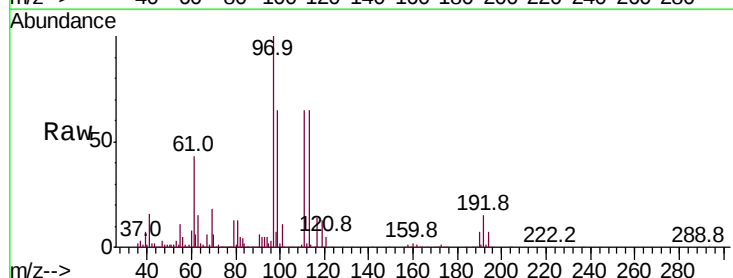
Instrument :
MSVOA_X
ClientSampled :
MW-1MS

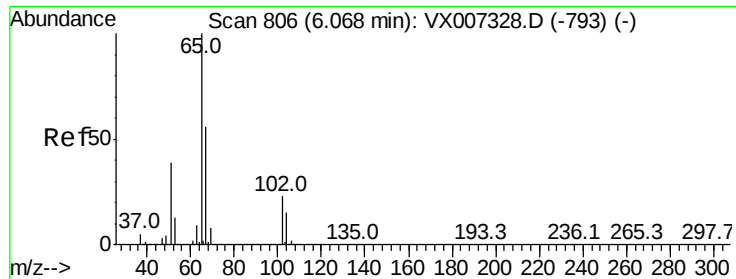
Tot Ion: 56 Resp: 3216616
Ion Ratio Lower Upper
56 100
69 29.0 23.0 34.6
84 88.3 69.8 104.6



#32
1,1,1-Trichloroethane
Concen: 50.615 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX007616.D
Acq: 19 Feb 2019 16:30

Tgt Ion: 97 Resp: 384417
Ion Ratio Lower Upper
97 100
99 66.0 52.2 78.2
61 43.1 32.7 49.1





#33

1,2-Dichloroethane-d4

Concen: 55.967 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007616.D

Acq: 19 Feb 2019 16:30

Instrument :

MSVOA_X

ClientSampleId :

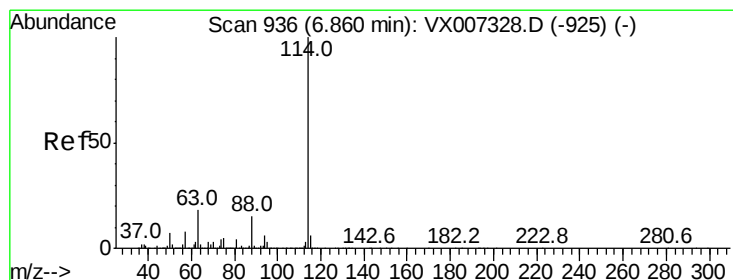
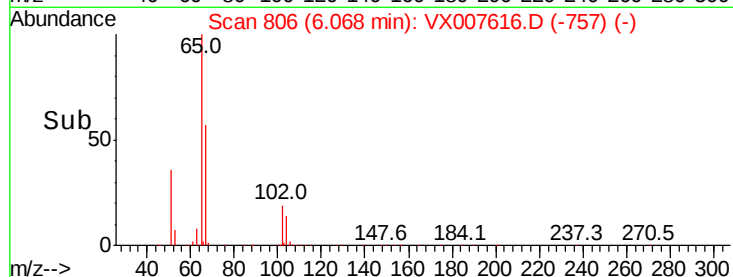
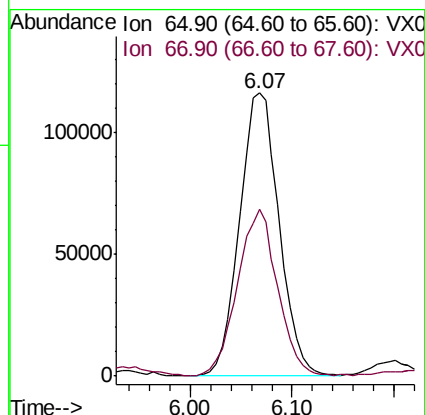
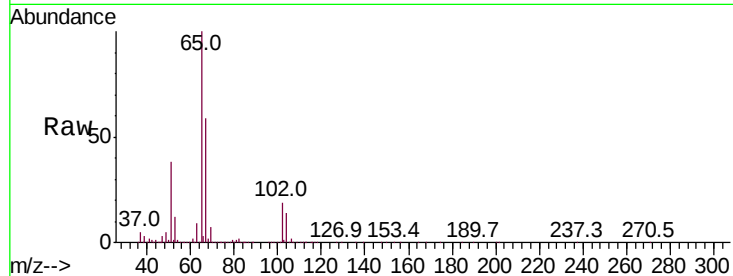
MW-1MS

Tot Ion: 65 Resp: 311691

Ion Ratio Lower Upper

65 100

67 59.2 0.0 108.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX007616.D

Acq: 19 Feb 2019 16:30

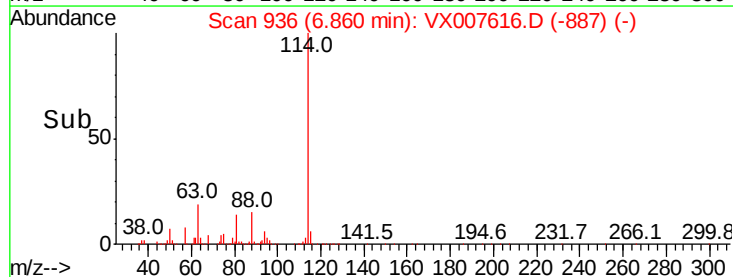
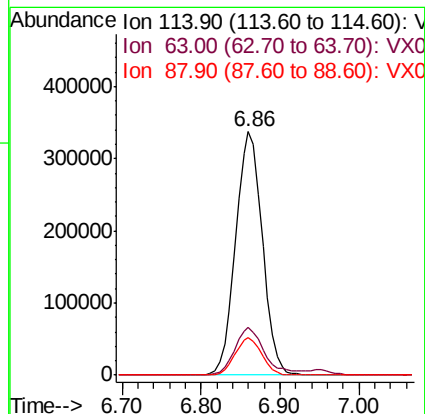
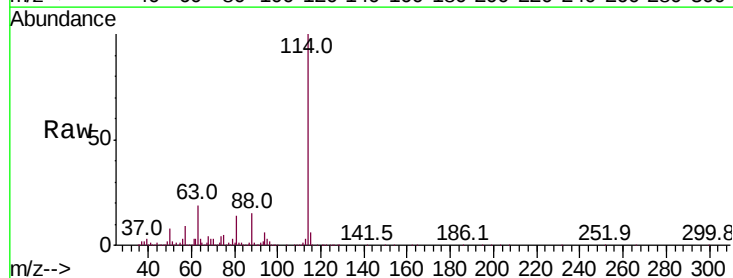
Tgt Ion: 114 Resp: 795545

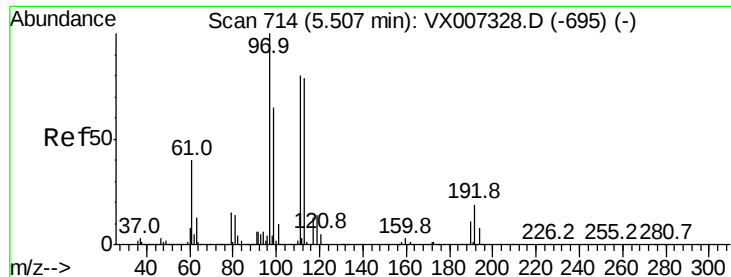
Ion Ratio Lower Upper

114 100

63 19.2 0.0 35.6

88 15.5 0.0 29.6





#35

Dibromofluoromethane

Concen: 51.248 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.00 min

Lab File: VX007616.D

Acq: 19 Feb 2019 16:30

Instrument :

MSVOA_X

ClientSampleId :

MW-1MS

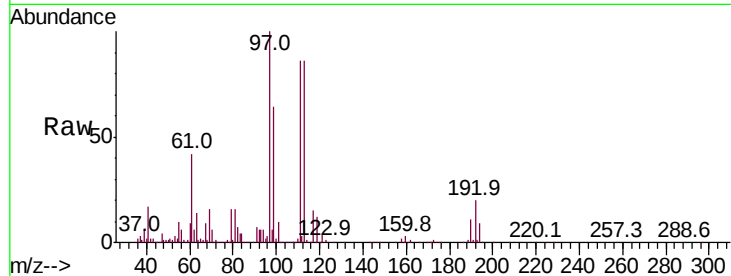
Tot Ion:113 Resp: 265274

Ion Ratio Lower Upper

113 100

111 101.7 81.8 122.8

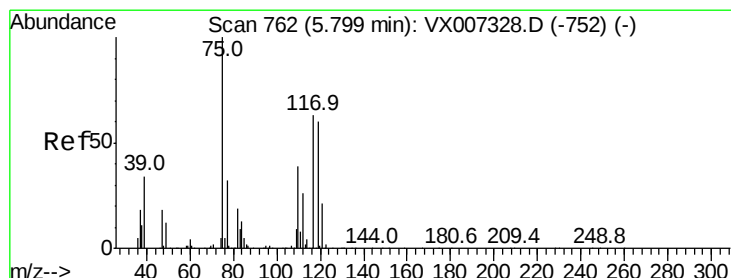
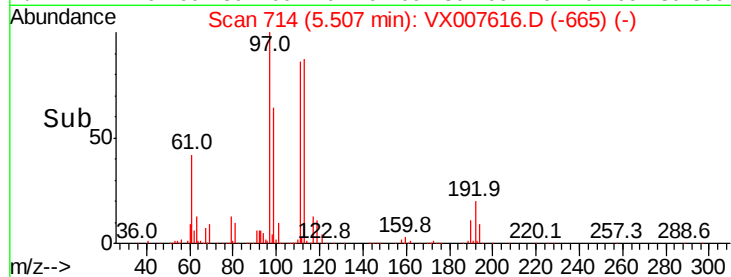
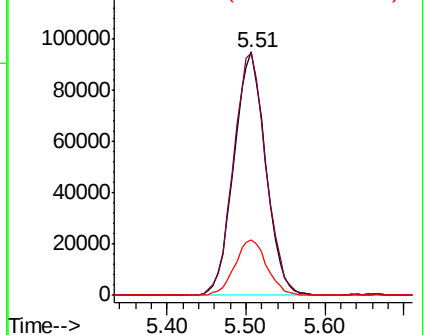
192 22.9 18.5 27.7



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: 43.318 ug/l

RT: 5.80 min Scan# 762

Delta R.T. 0.00 min

Lab File: VX007616.D

Acq: 19 Feb 2019 16:30

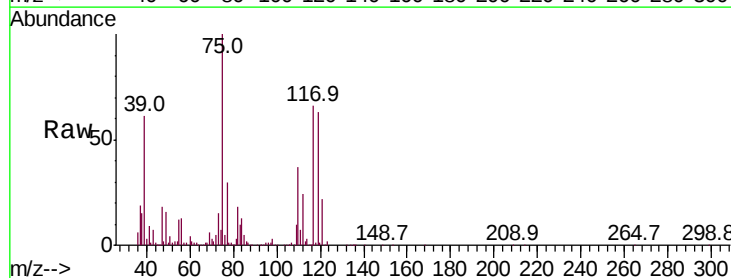
Tgt Ion: 75 Resp: 309200

Ion Ratio Lower Upper

75 100

110 37.4 20.0 59.9

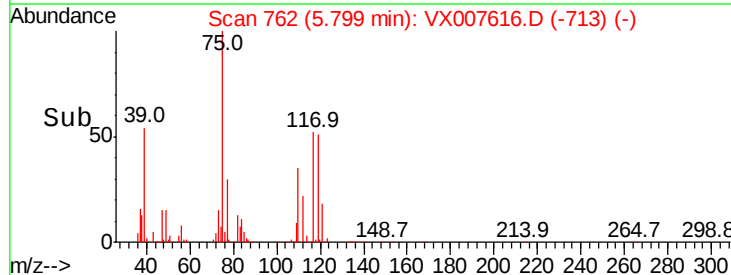
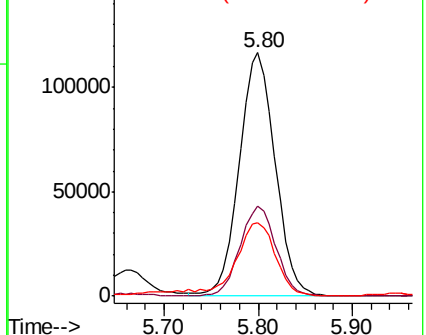
77 32.0 24.7 37.1

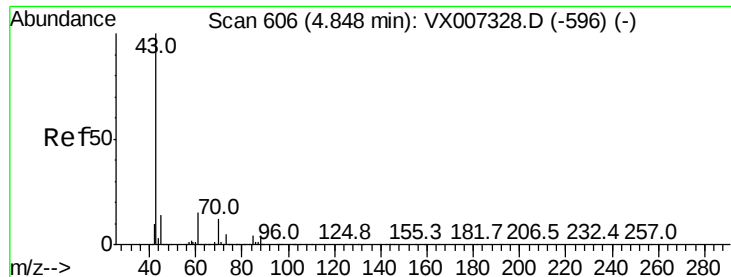


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

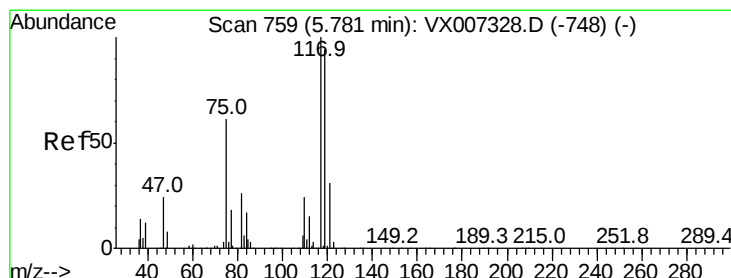
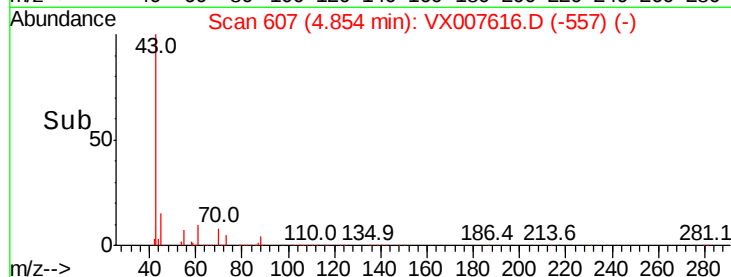
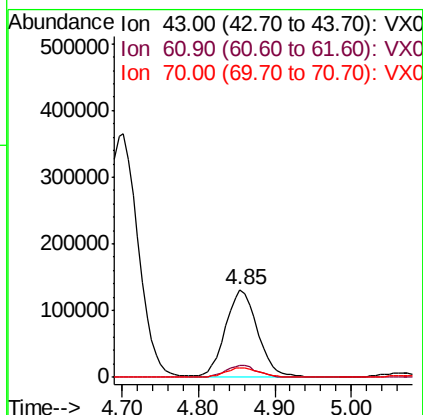
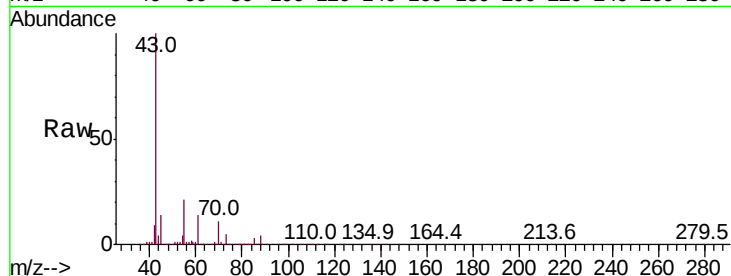




#37
Ethyl Acetate
Concen: 52.755 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX007616.D
Acq: 19 Feb 2019 16:30

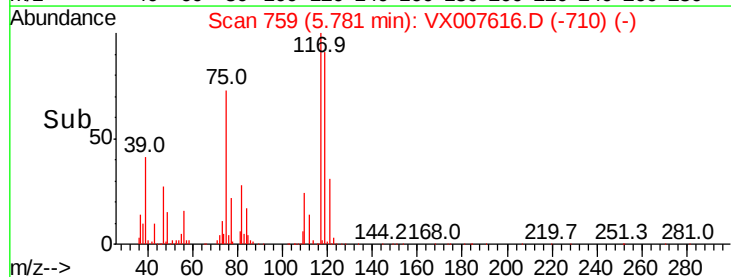
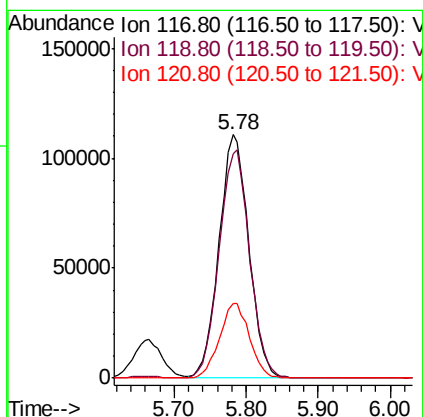
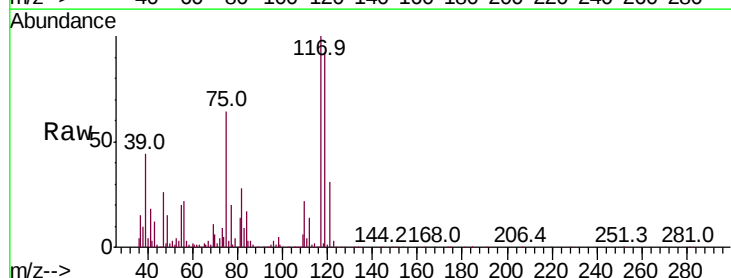
Instrument :
MSVOA_X
ClientSampleId :
MW-1MS

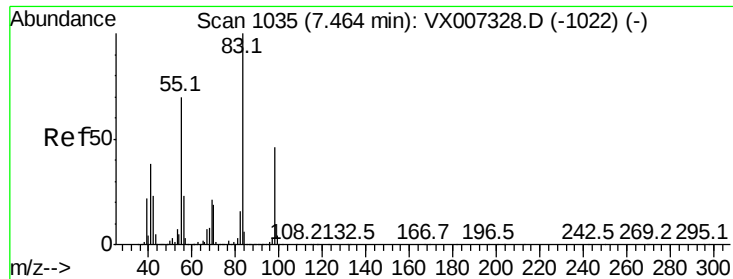
Tot Ion: 43 Resp: 380655
Ion Ratio Lower Upper
43 100
61 13.4 11.3 16.9
70 12.0 8.6 13.0



#38
Carbon Tetrachloride
Concen: 46.053 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX007616.D
Acq: 19 Feb 2019 16:30

Tgt Ion: 117 Resp: 318915
Ion Ratio Lower Upper
117 100
119 91.9 75.3 112.9
121 30.8 25.0 37.4



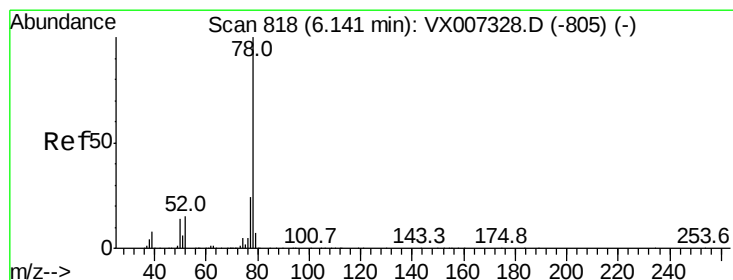
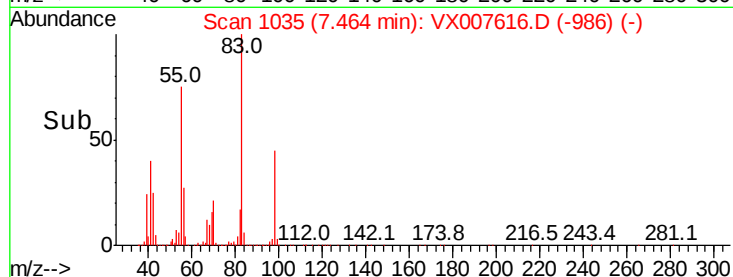
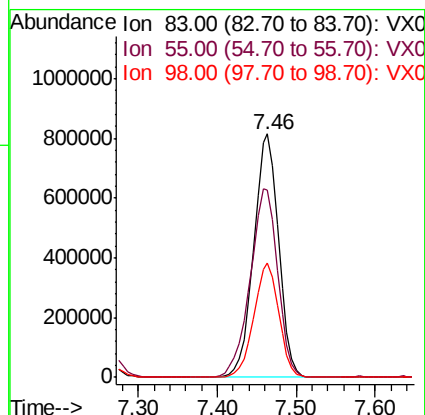
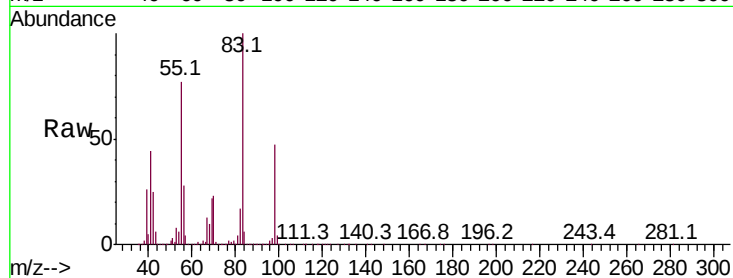


#39
Methvlcvclohexane
Concen: 206.507 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX007616.D
Acq: 19 Feb 2019 16:30

Instrument :
MSVOA_X
ClientSampleId :
MW-1MS

Tot Ion: 83 Resp: 1783428

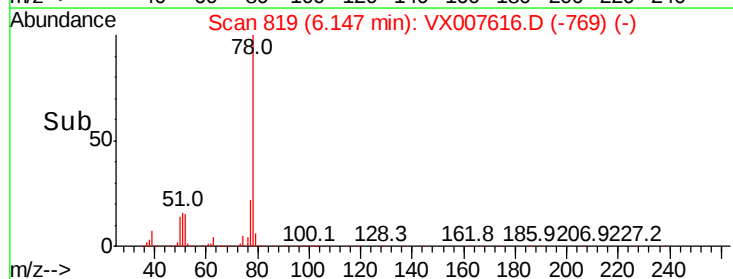
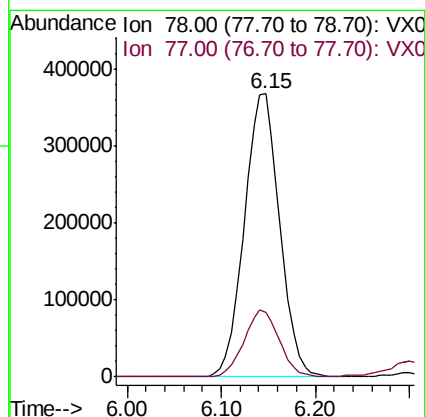
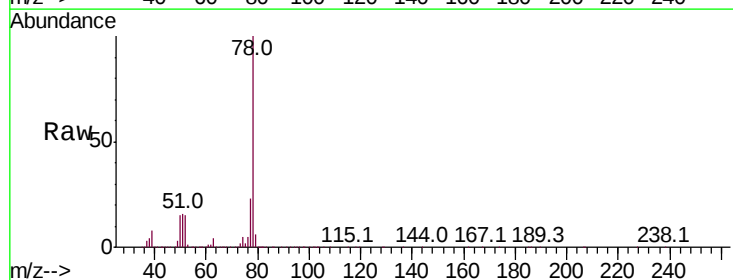
Ion	Ratio	Lower	Upper
83	100		
55	76.9	56.2	84.2
98	46.8	36.8	55.2

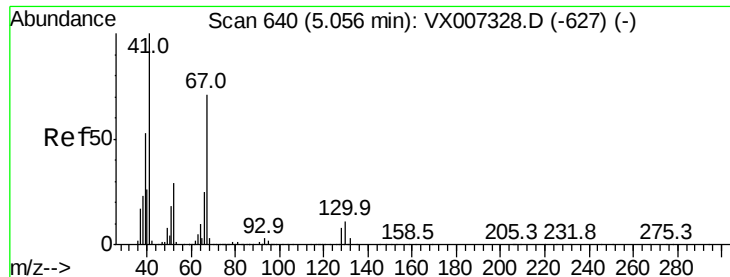


#40
Benzene
Concen: 46.005 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX007616.D
Acq: 19 Feb 2019 16:30

Tgt Ion: 78 Resp: 967308

Ion	Ratio	Lower	Upper
78	100		
77	22.9	19.3	28.9

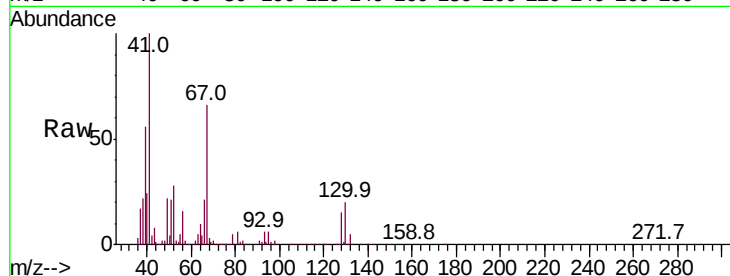




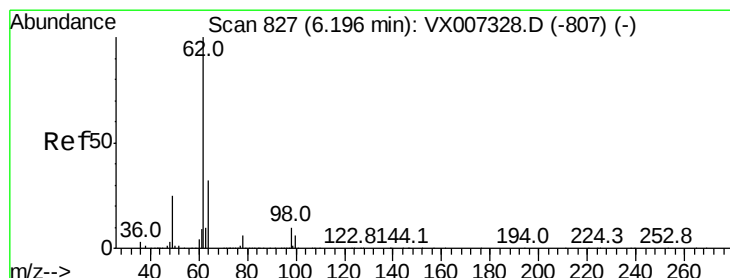
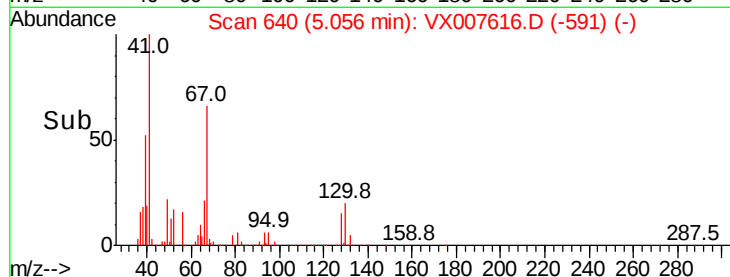
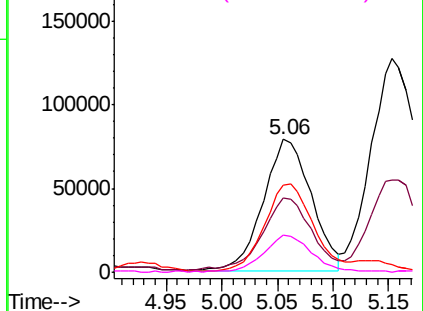
#41
Methacrylonitrile
Concen: 60.570 ug/l
RT: 5.06 min Scan# 640
Delta R.T. 0.00 min
Lab File: VX007616.D
Acq: 19 Feb 2019 16:30

Instrument :
MSVOA_X
ClientSampleId :
MW-1MS

Tot Ion:	41	Resp:	234236
Ion	Ratio	Lower	Upper
41	100		
39	56.3	44.5	66.7
67	0.0	60.4	90.6
52	27.5	24.1	36.1

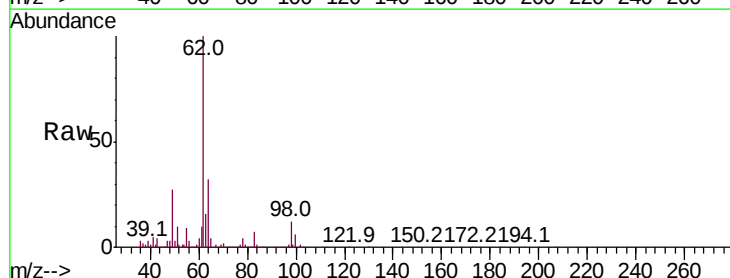


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

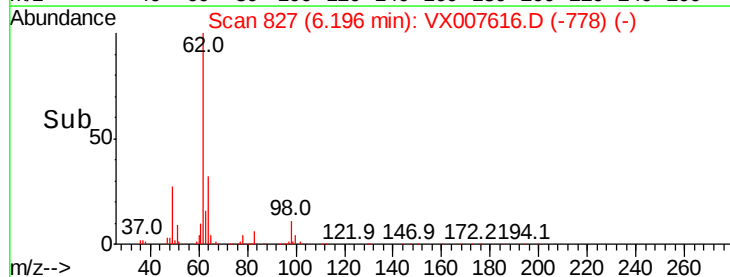
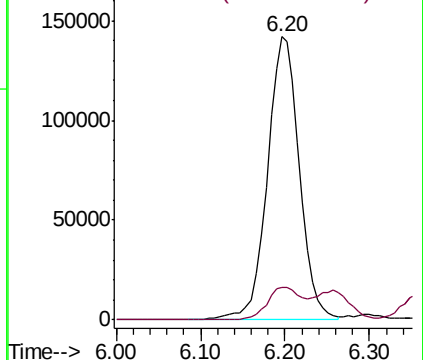


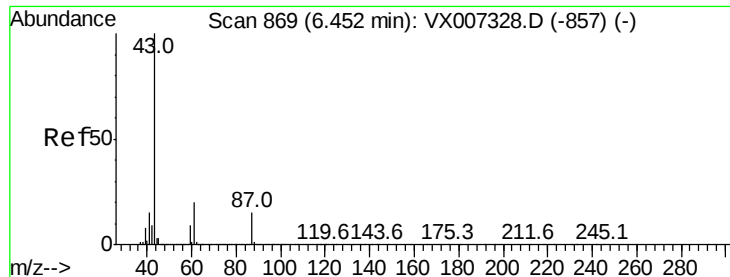
#42
1,2-Dichloroethane
Concen: 51.077 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX007616.D
Acq: 19 Feb 2019 16:30

Tgt Ion:	62	Resp:	371581
Ion	Ratio	Lower	Upper
62	100		
98	12.6	0.0	19.0



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 59.856 ug/l

RT: 6.46 min Scan# 870

Delta R.T. 0.01 min

Lab File: VX007616.D

Acq: 19 Feb 2019 16:30

Instrument :

MSVOA_X

ClientSampleId :

MW-1MS

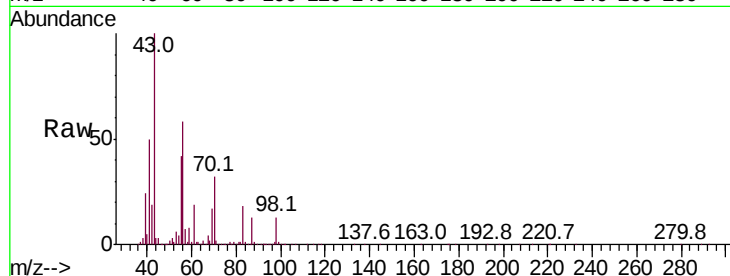
Tot Ion: 43 Resp: 666634

Ion Ratio Lower Upper

43 100

61 18.7 16.1 24.1

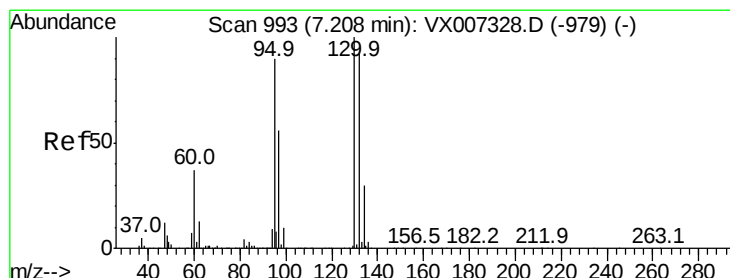
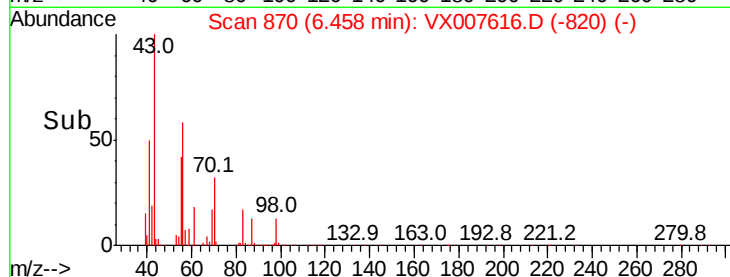
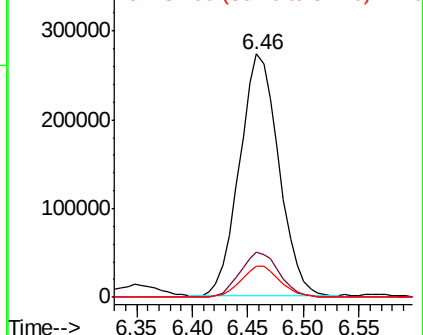
87 12.8 11.5 17.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 44.011 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.01 min

Lab File: VX007616.D

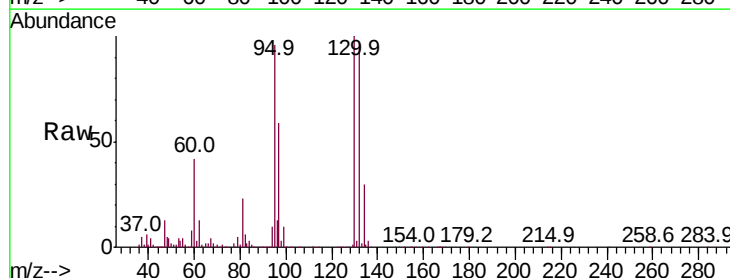
Acq: 19 Feb 2019 16:30

Tgt Ion:130 Resp: 278703

Ion Ratio Lower Upper

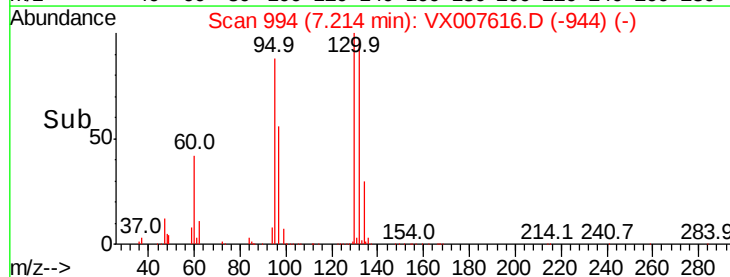
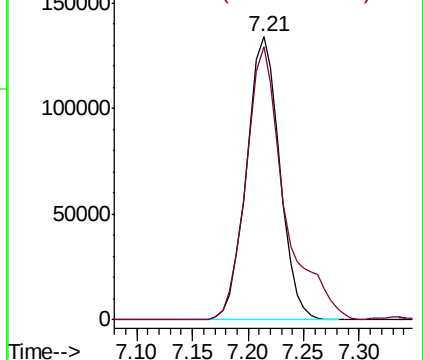
130 100

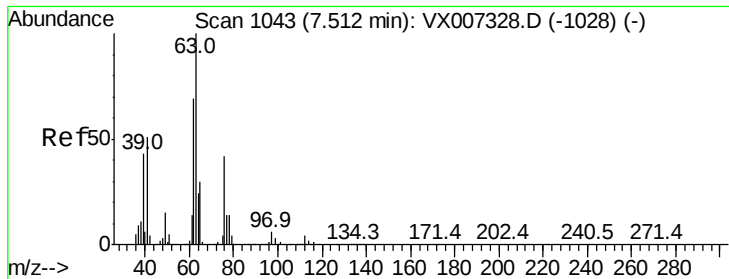
95 96.2 0.0 180.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

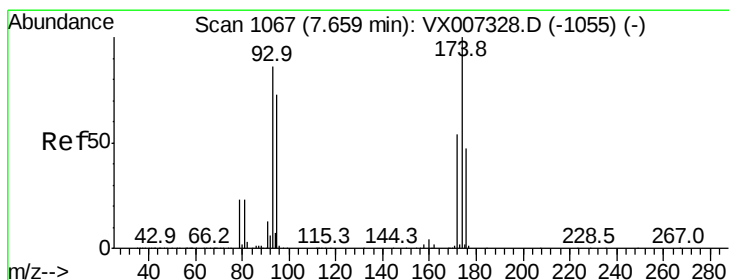
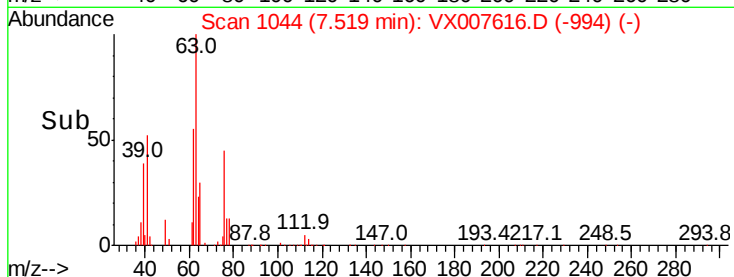
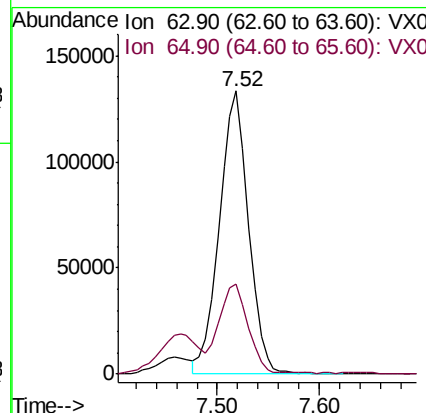
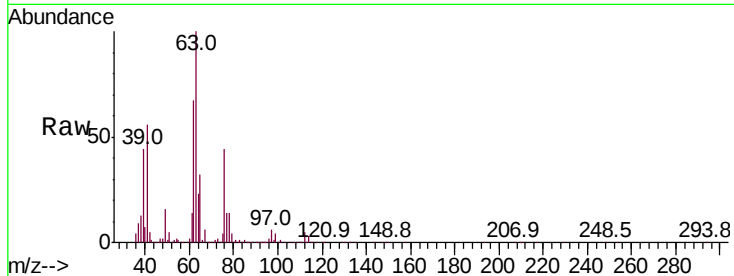




#45
 1,2-Dichloropropane
 Concen: 50.101 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. 0.01 min
 Lab File: VX007616.D
 Acq: 19 Feb 2019 16:30

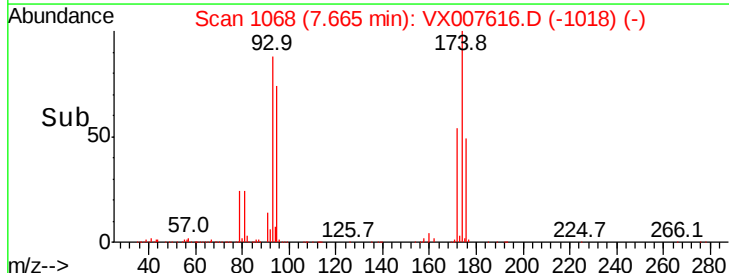
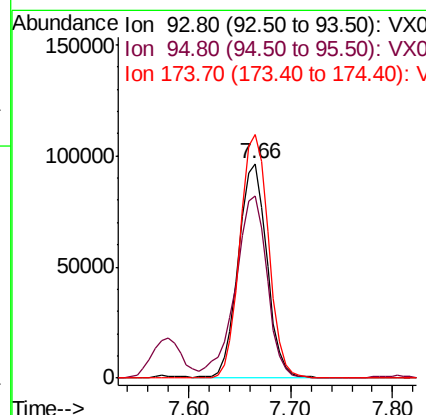
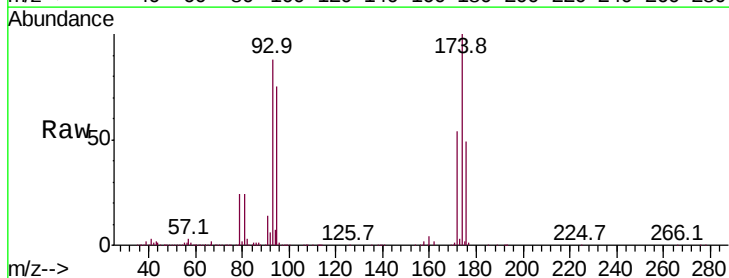
Instrument :
 MSVOA_X
 ClientSampled :
 MW-1MS

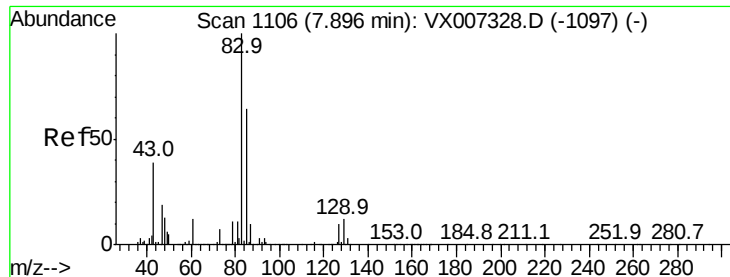
Tot Ion: 63 Resp: 263942
 Ion Ratio Lower Upper
 63 100
 65 31.4 24.2 36.2



#46
 Dibromomethane
 Concen: 48.535 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.01 min
 Lab File: VX007616.D
 Acq: 19 Feb 2019 16:30

Tgt Ion: 93 Resp: 185836
 Ion Ratio Lower Upper
 93 100
 95 94.3 67.6 101.4
 174 114.8 94.2 141.4





#47

Bromodichloromethane

Concen: 52.024 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX007616.D

Acq: 19 Feb 2019 16:30

Instrument :

MSVOA_X

ClientSampleId :

MW-1MS

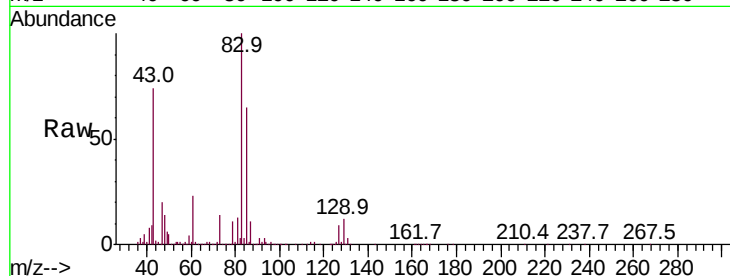
Tot Ion: 83 Resp: 337596

Ion Ratio Lower Upper

83 100

85 65.4 51.4 77.0

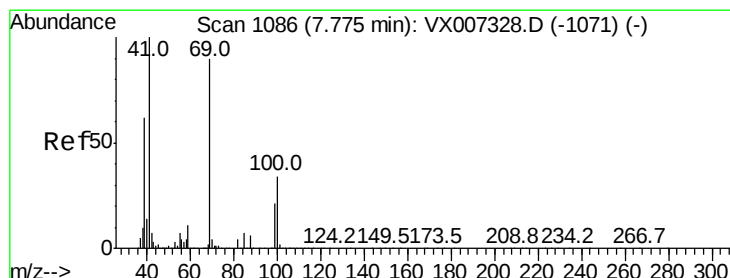
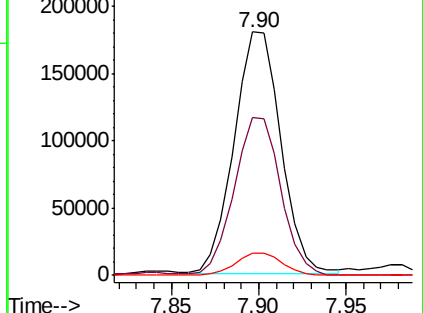
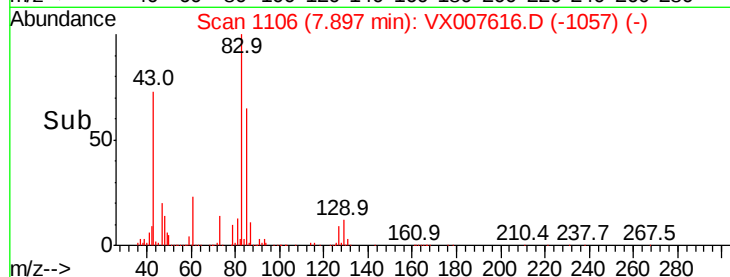
127 9.0 8.1 12.1



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 57.479 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX007616.D

Acq: 19 Feb 2019 16:30

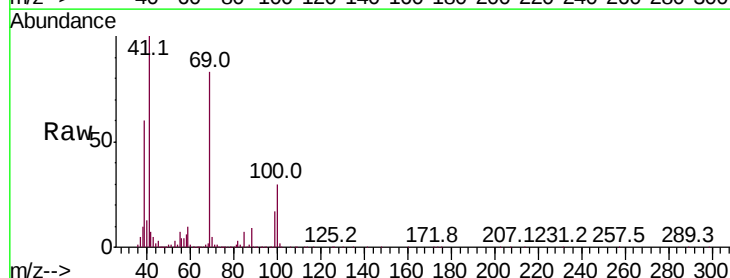
Tgt Ion: 41 Resp: 320204

Ion Ratio Lower Upper

41 100

69 87.4 70.2 105.4

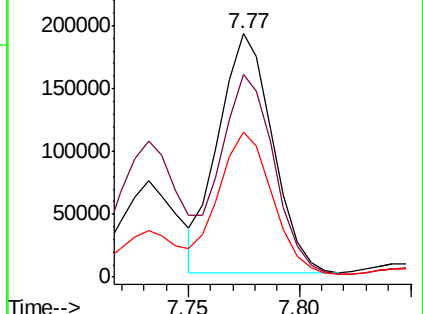
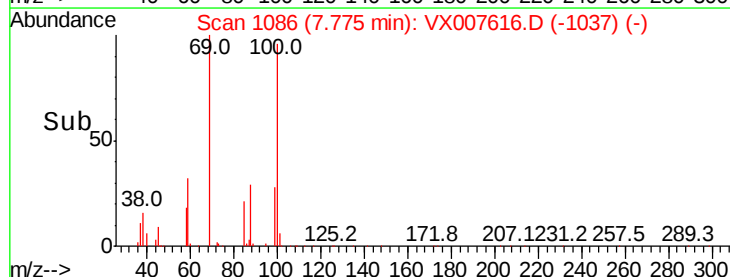
39 59.2 47.4 71.0

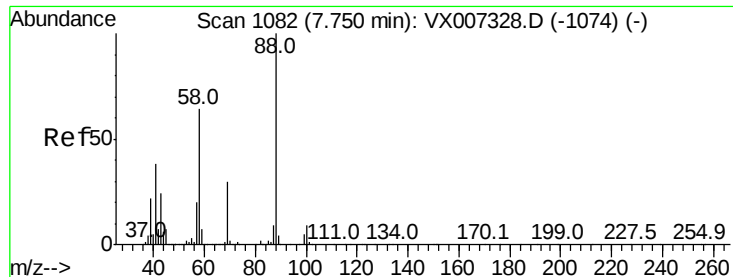


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 944.700 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. 0.01 min

Lab File: VX007616.D

Acq: 19 Feb 2019 16:30

Instrument :

MSVOA_X

ClientSampleId :

MW-1MS

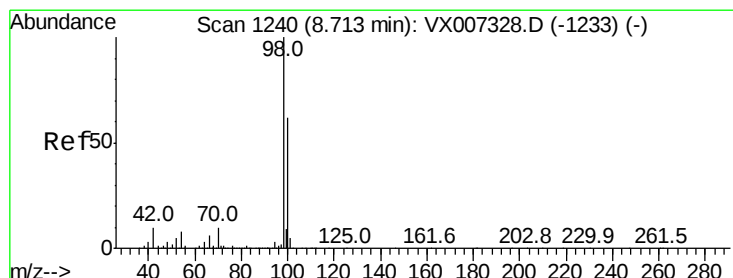
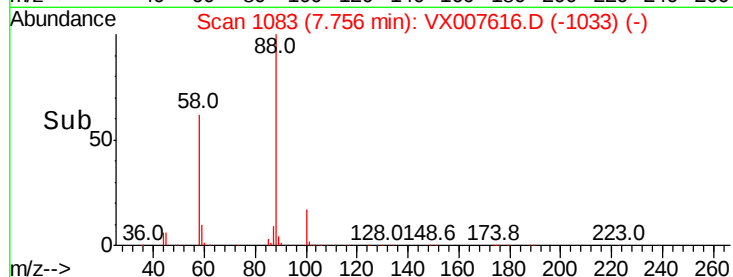
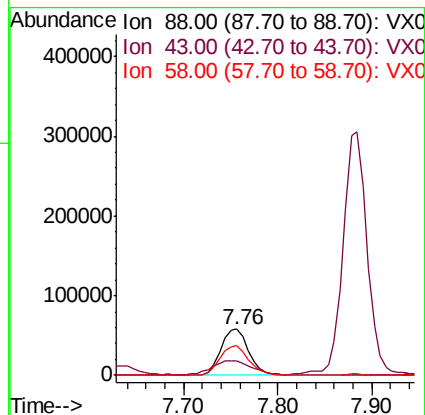
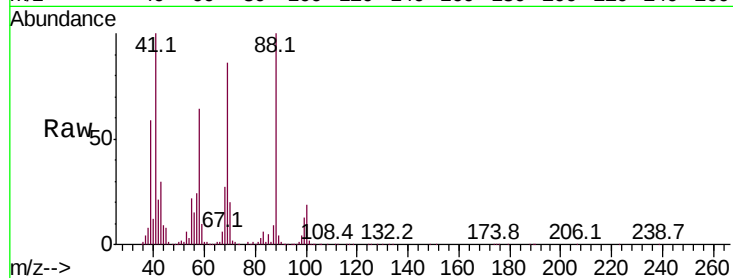
Tot Ion: 88 Resp: 119637

Ion Ratio Lower Upper

88 100

43 39.6 24.2 36.4#

58 65.1 53.0 79.4



#50

Toluene-d8

Concen: 49.922 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. 0.01 min

Lab File: VX007616.D

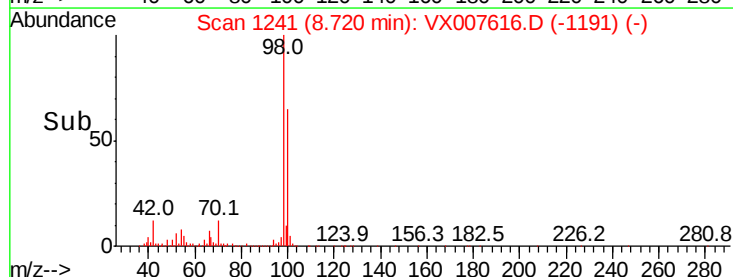
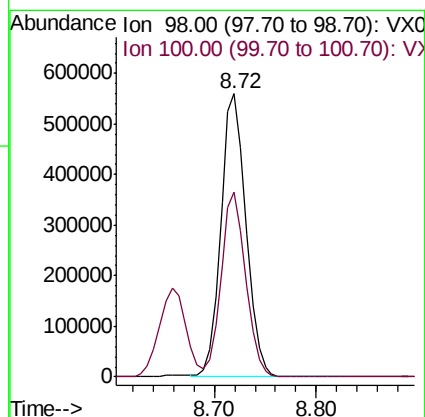
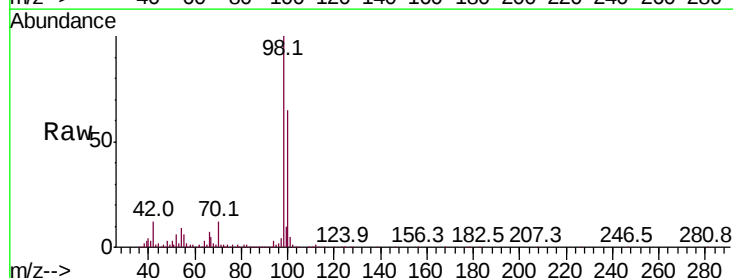
Acq: 19 Feb 2019 16:30

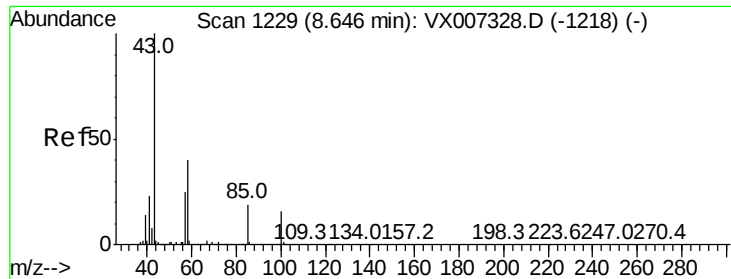
Tgt Ion: 98 Resp: 958747

Ion Ratio Lower Upper

98 100

100 63.5 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 284.673 ug/l

RT: 8.66 min Scan# 1231

Delta R.T. 0.01 min

Lab File: VX007616.D

Acq: 19 Feb 2019 16:30

Instrument :

MSVOA_X

ClientSampleId :

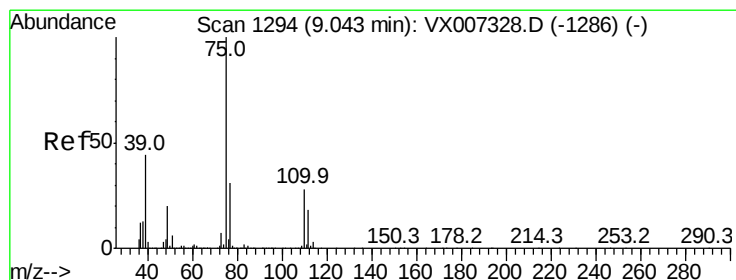
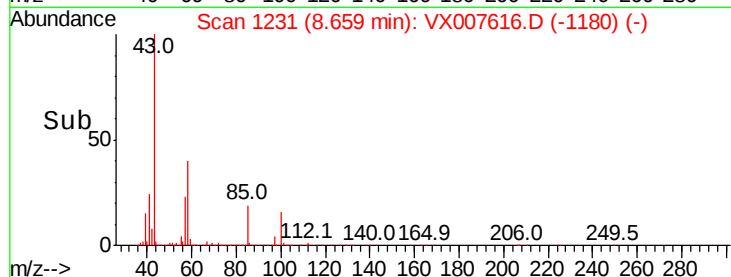
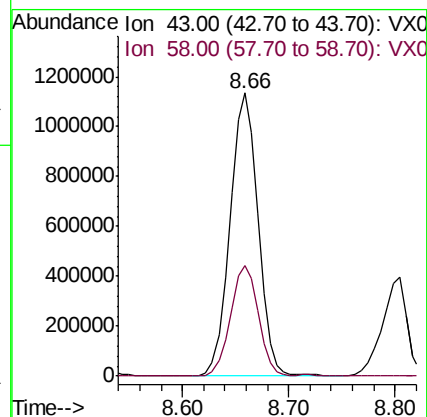
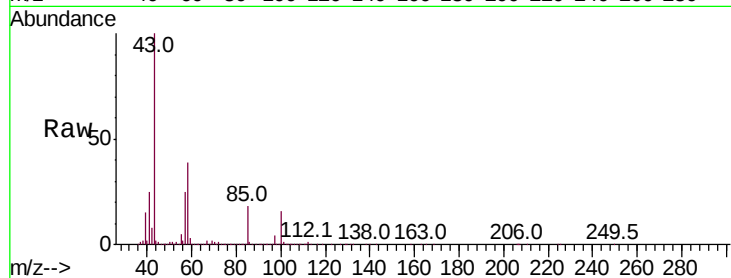
MW-1MS

Tot Ion: 43 Resp: 2087156

Ion Ratio Lower Upper

43 100

58 38.8 31.2 46.8



#53

t-1,3-Dichloropropene

Concen: 33.024 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX007616.D

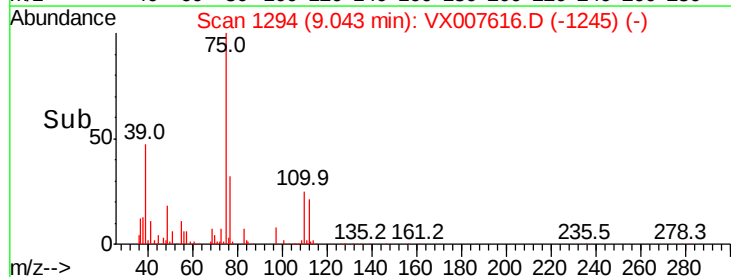
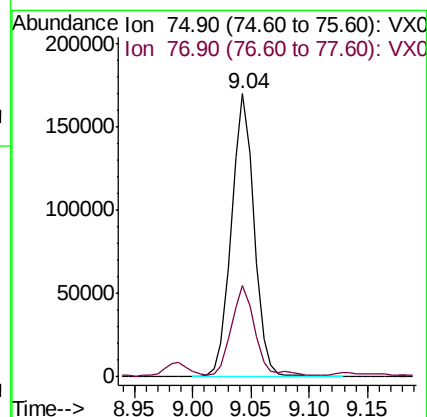
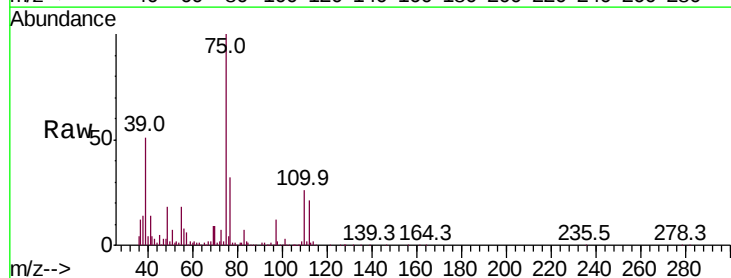
Acq: 19 Feb 2019 16:30

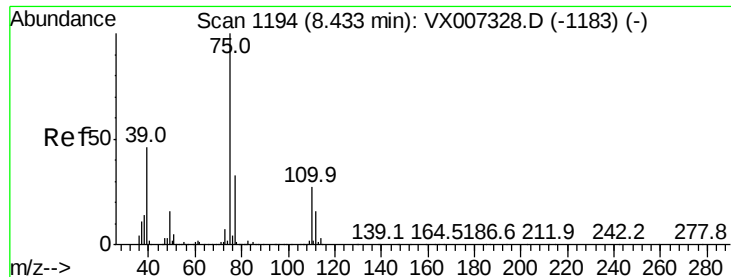
Tgt Ion: 75 Resp: 230191

Ion Ratio Lower Upper

75 100

77 30.9 25.2 37.8



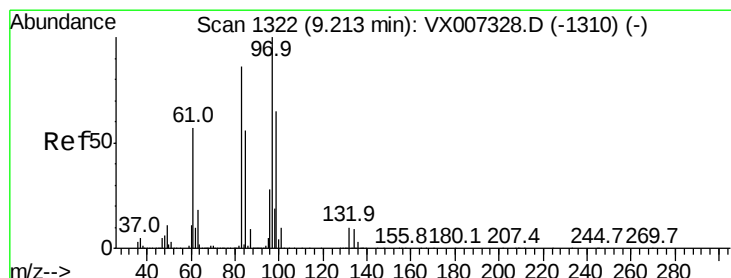
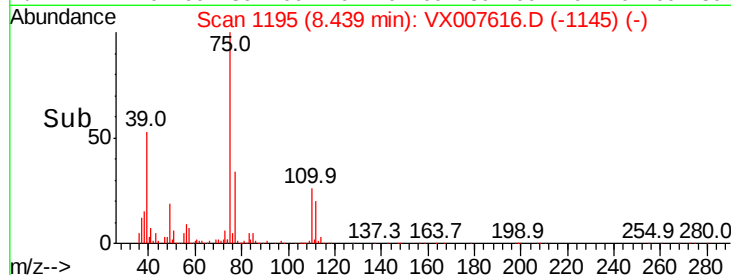
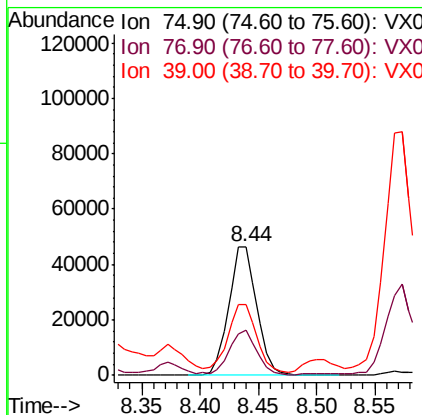
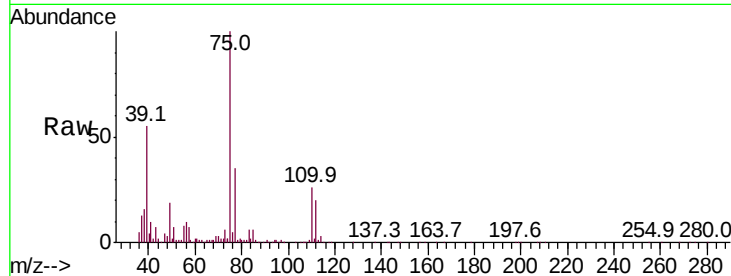


#54

cis-1,3-Dichloropropene
Concen: 10.027 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. 0.01 min
Lab File: VX007616.D
Acq: 19 Feb 2019 16:30

Instrument :
MSVOA_X
ClientSampleId :
MW-1MS

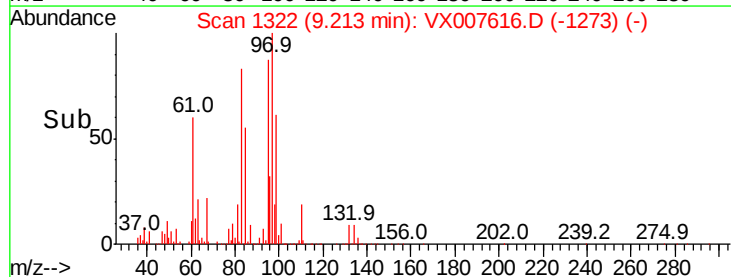
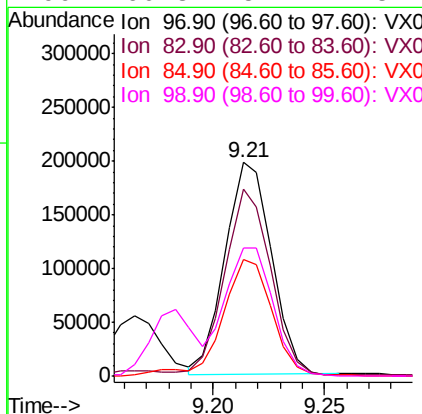
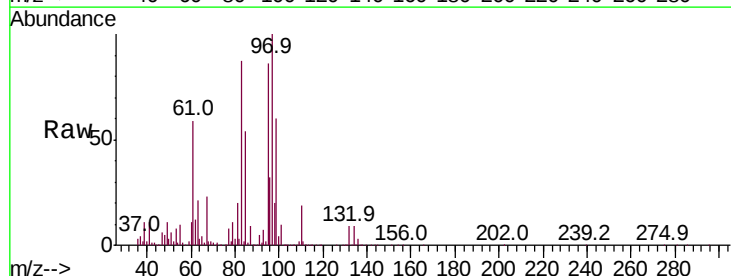
Tot Ion	Ratio	Lower	Upper
75	100		
77	34.2	26.2	39.4
39	48.5	37.1	55.7

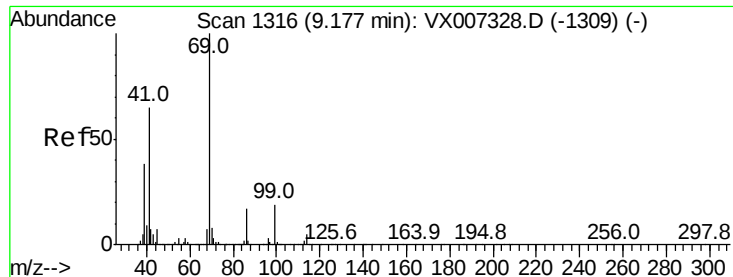


#55

1,1,2-Trichloroethane
Concen: 50.805 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VX007616.D
Acq: 19 Feb 2019 16:30

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.7	68.6	102.8
85	54.6	44.5	66.7
99	60.3	52.2	78.4





#56

Ethyl methacrylate

Concen: 60.546 ug/l

RT: 9.18 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VX007616.D

Acq: 19 Feb 2019 16:30

Instrument :

MSVOA_X

ClientSampleId :

MW-1MS

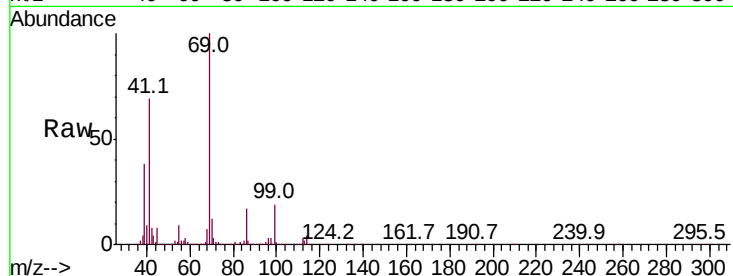
Tot Ion: 69 Resp: 474202

Ion Ratio Lower Upper

69 100

41 71.1 52.1 78.1

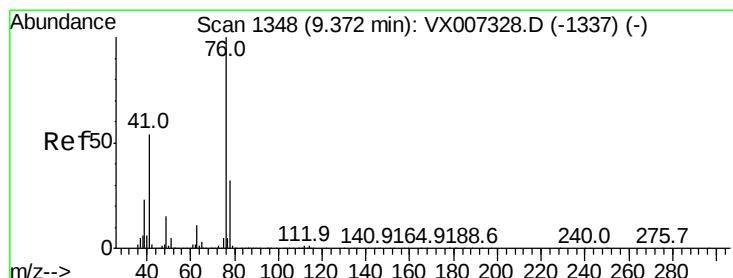
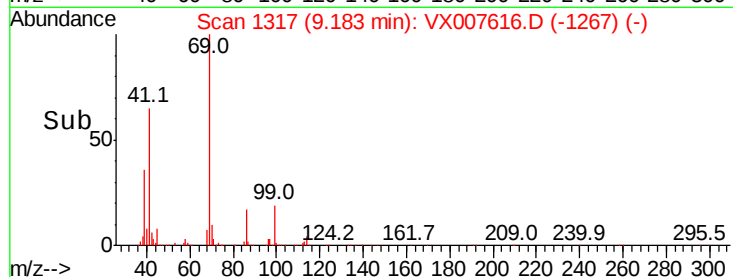
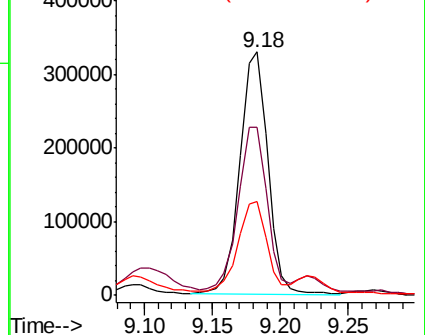
39 40.1 30.1 45.1



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: 52.035 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX007616.D

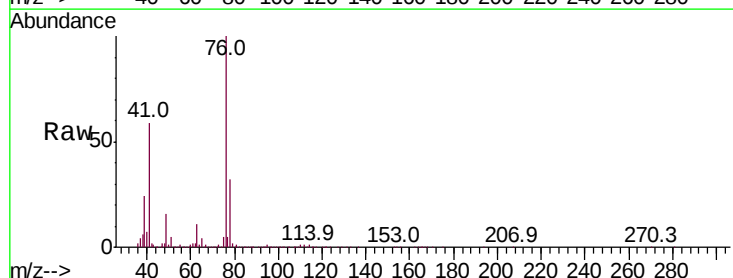
Acq: 19 Feb 2019 16:30

Tgt Ion: 76 Resp: 467945

Ion Ratio Lower Upper

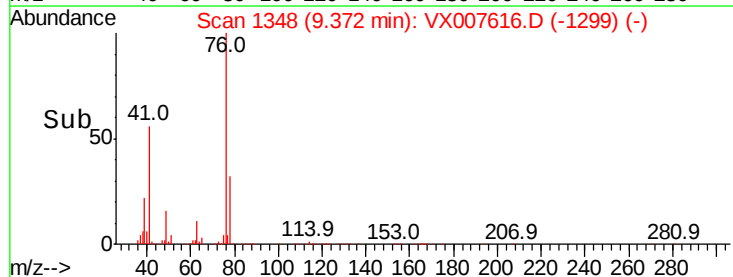
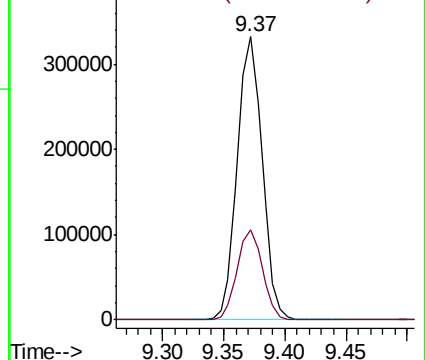
76 100

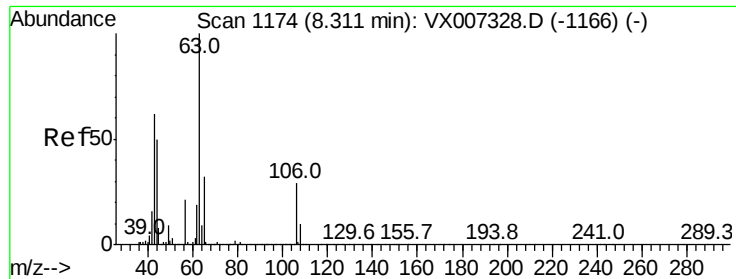
78 32.3 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

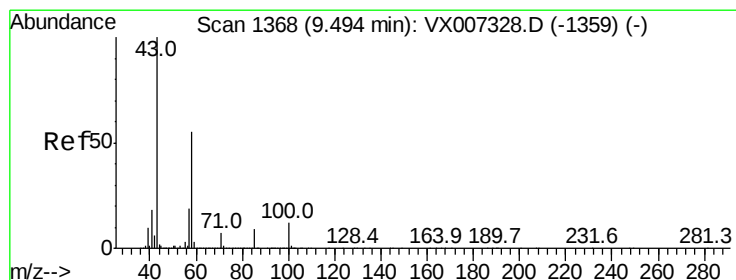
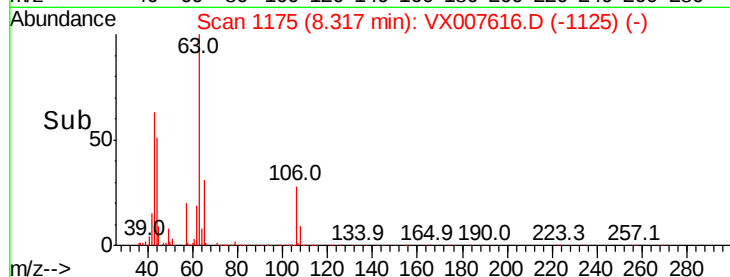
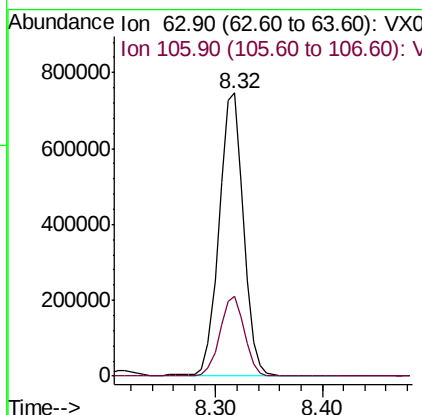
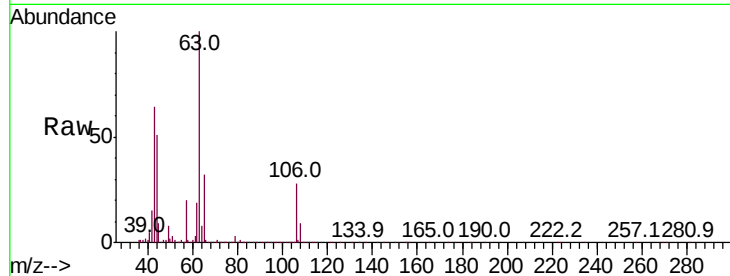




#58
2-Chloroethyl Vinyl ether
Concen: 287.298 ug/l
RT: 8.32 min Scan# 1175
Delta R.T. 0.01 min
Lab File: VX007616.D
Acq: 19 Feb 2019 16:30

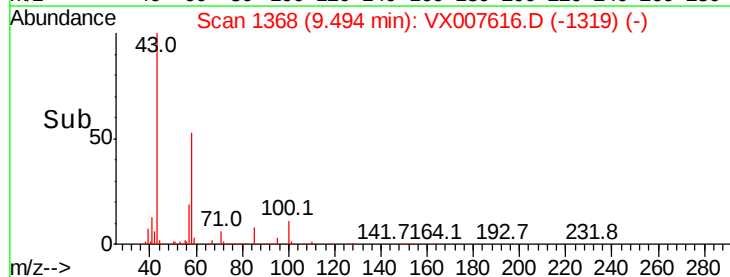
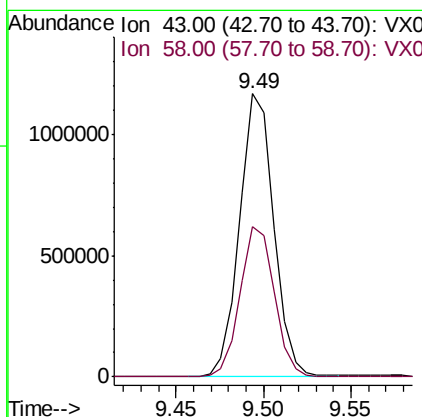
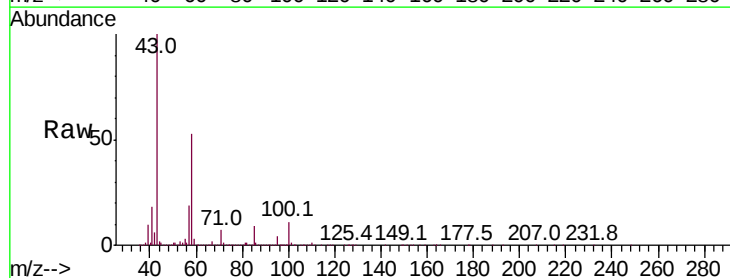
Instrument :
MSVOA_X
ClientSampleId :
MW-1MS

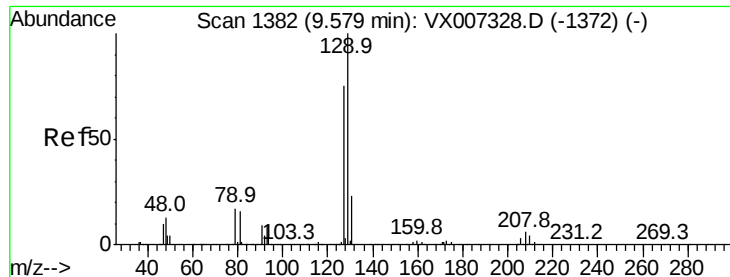
Tot Ion: 63 Resp: 1186002
Ion Ratio Lower Upper
63 100
106 28.3 23.6 35.4



#59
2-Hexanone
Concen: 277.445 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX007616.D
Acq: 19 Feb 2019 16:30

Tgt Ion: 43 Resp: 1582917
Ion Ratio Lower Upper
43 100
58 53.9 27.1 81.3





#60

Dibromochloromethane

Concen: 55.982 ug/l

RT: 9.59 min Scan# 1383

Delta R.T. 0.01 min

Lab File: VX007616.D

Acq: 19 Feb 2019 16:30

Instrument :

MSVOA_X

ClientSampleId :

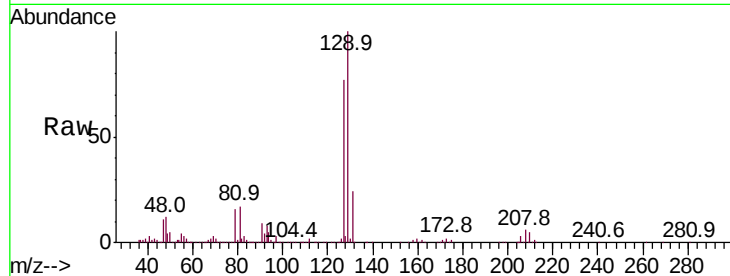
MW-1MS

Tot Ion:129 Resp: 299401

Ion Ratio Lower Upper

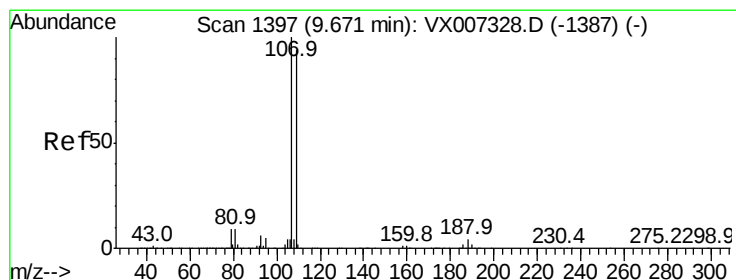
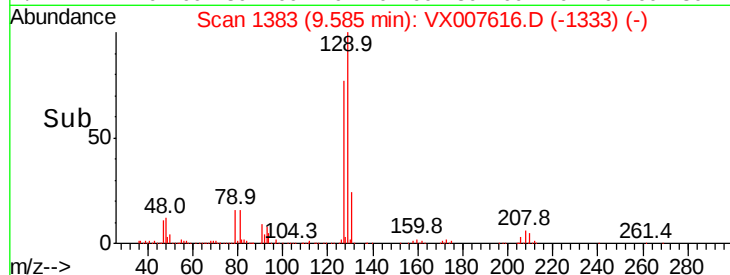
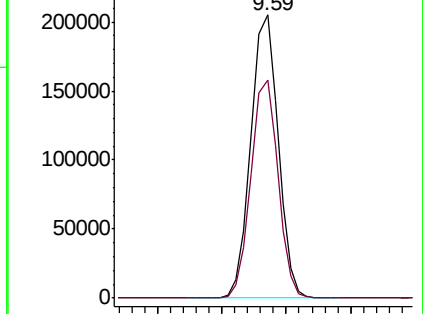
129 100

127 76.6 37.8 113.4



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 51.038 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX007616.D

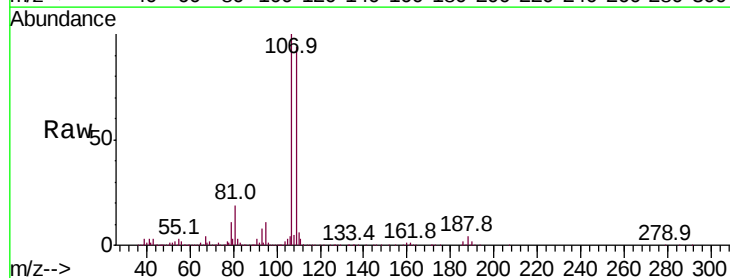
Acq: 19 Feb 2019 16:30

Tgt Ion:107 Resp: 305644

Ion Ratio Lower Upper

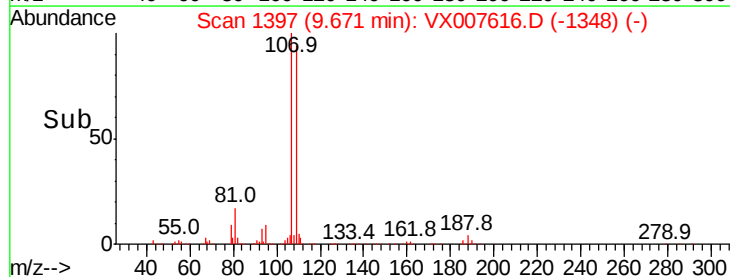
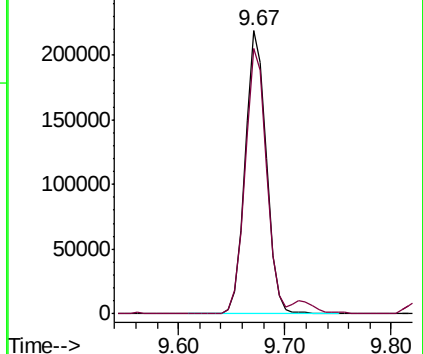
107 100

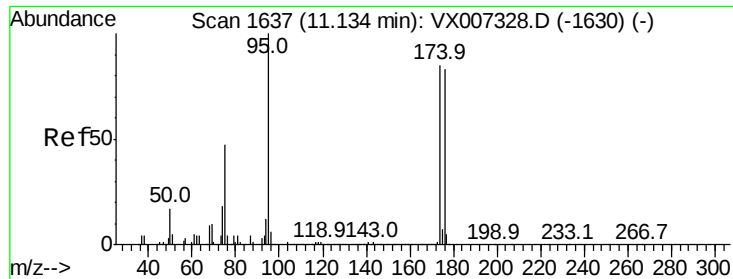
109 96.1 75.1 112.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 51.796 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.01 min

Lab File: VX007616.D

Acq: 19 Feb 2019 16:30

Instrument :

MSVOA_X

ClientSampleId :

MW-1MS

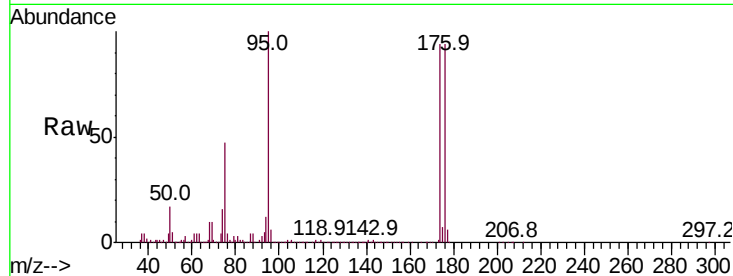
Tot Ion: 95 Resp: 363180

Ion Ratio Lower Upper

95 100

174 88.3 0.0 189.2

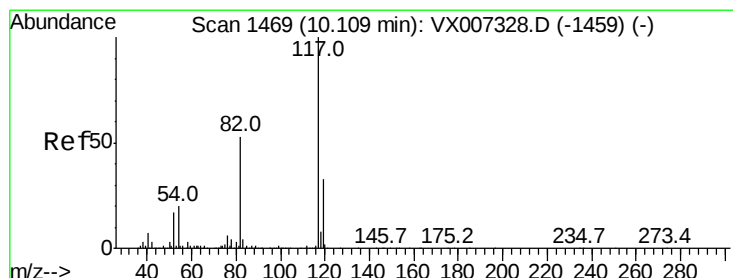
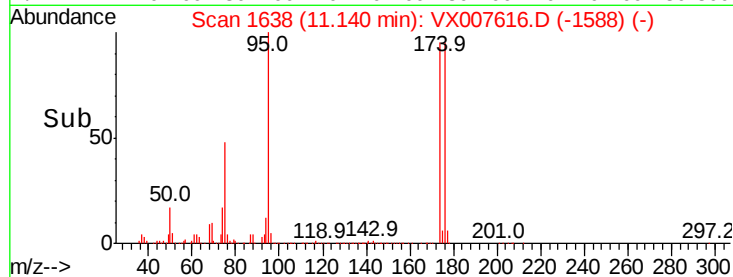
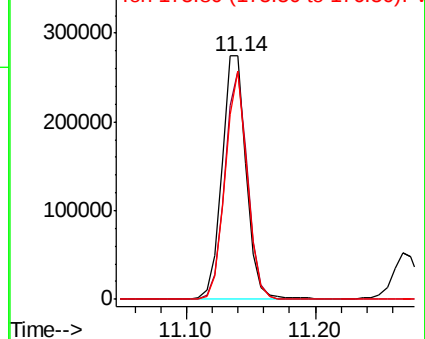
176 85.9 0.0 186.2



Abundance Ion 94.90 (94.60 to 95.60): VX007328.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX007328.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX007328.D (-1630) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VX007616.D

Acq: 19 Feb 2019 16:30

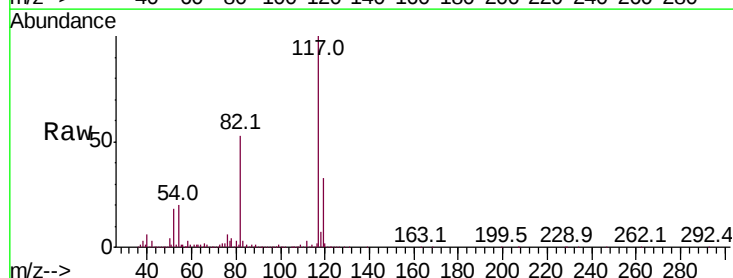
Tgt Ion: 117 Resp: 736220

Ion Ratio Lower Upper

117 100

82 53.1 42.1 63.1

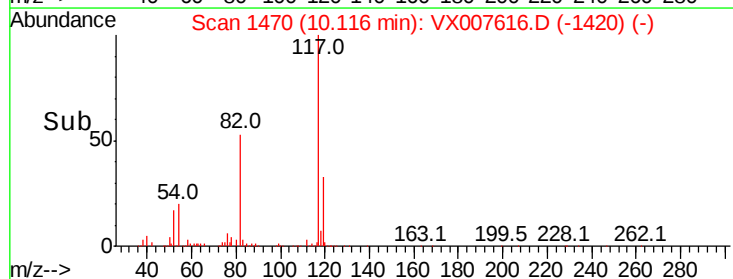
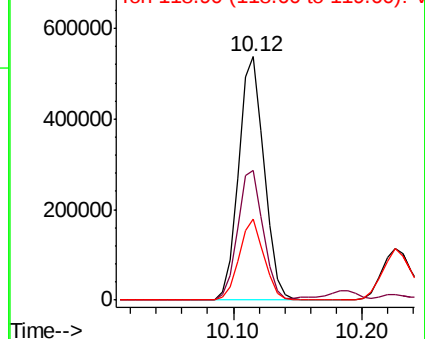
119 33.3 26.5 39.7

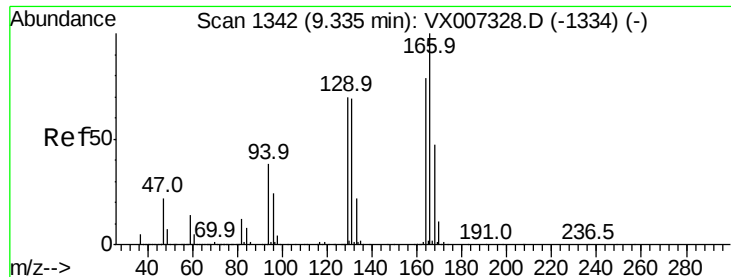


Abundance Ion 116.90 (116.60 to 117.60): VX007328.D (-1459) (-)

Ion 82.00 (81.70 to 82.70): VX007328.D (-1459) (-)

Ion 118.90 (118.60 to 119.60): VX007328.D (-1459) (-)





#64

Tetrachloroethene

Concen: 41.250 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX007616.D

Acq: 19 Feb 2019 16:30

Instrument :

MSVOA_X

ClientSampleId :

MW-1MS

Tot Ion:164 Resp: 286237

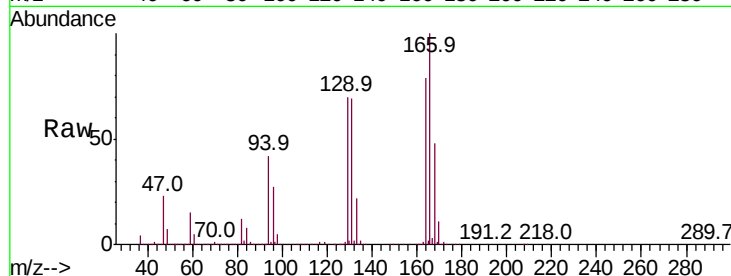
Ion Ratio Lower Upper

164 100

166 126.7 101.0 151.4

129 88.3 70.5 105.7

131 87.2 69.8 104.6

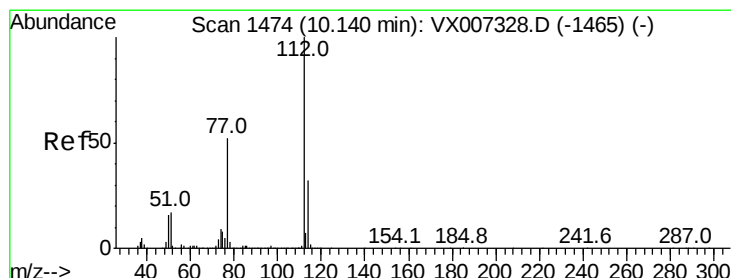
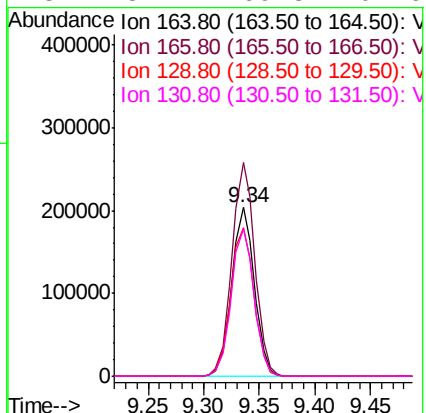
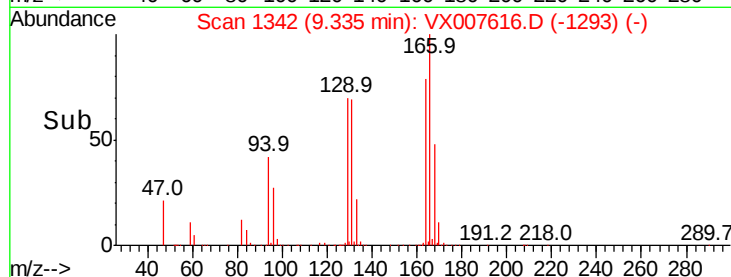


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 45.407 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VX007616.D

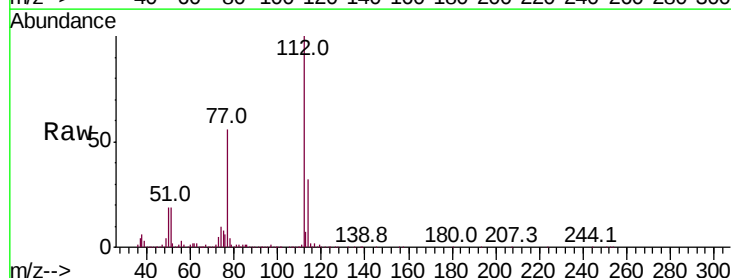
Acq: 19 Feb 2019 16:30

Tgt Ion:112 Resp: 729497

Ion Ratio Lower Upper

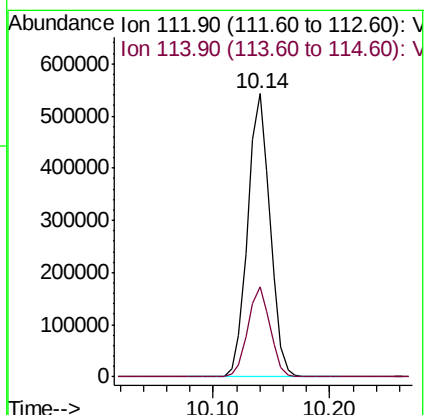
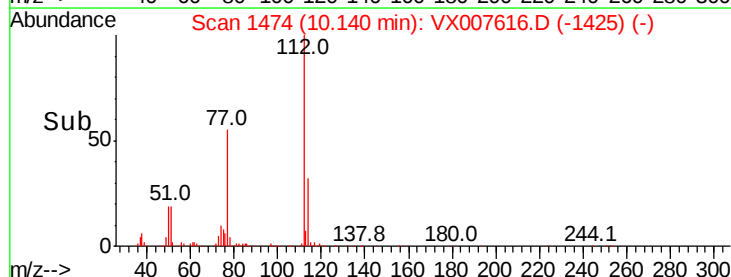
112 100

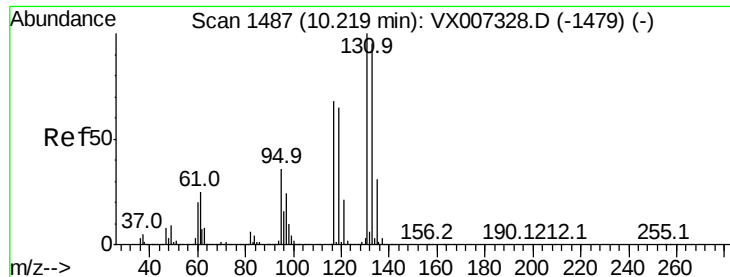
114 31.9 25.8 38.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 51.038 ug/l

RT: 10.23 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VX007616.D

Acq: 19 Feb 2019 16:30

Instrument :

MSVOA_X

ClientSampled :

MW-1MS

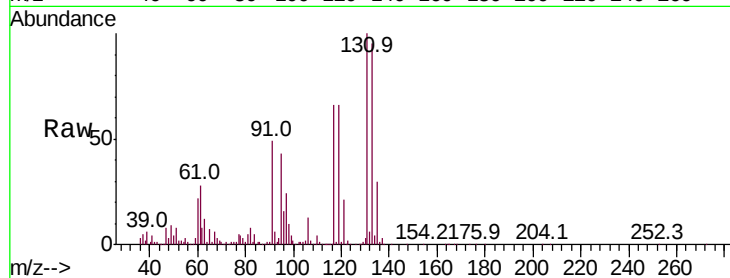
Tot Ion:131 Resp: 274911

Ion Ratio Lower Upper

131 100

133 95.6 48.0 144.2

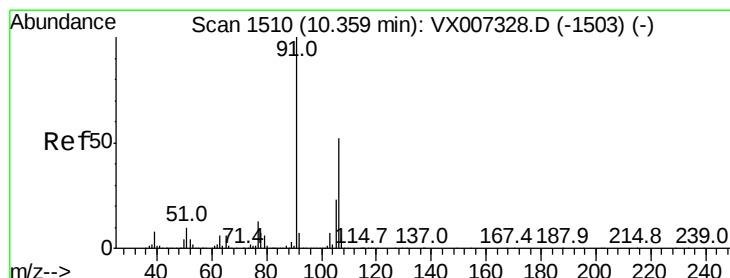
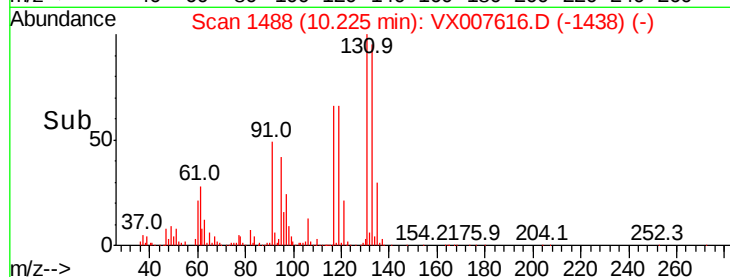
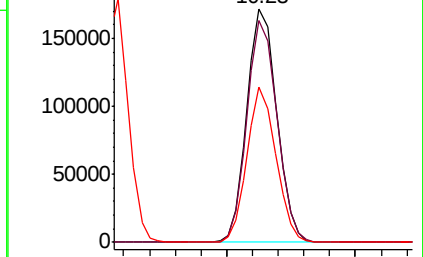
119 64.5 32.0 96.0



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#68

m/p-Xylenes

Concen: 1613.883 ug/l

RT: 10.26 min Scan# 1493

Delta R.T. -0.10 min

Lab File: VX007616.D

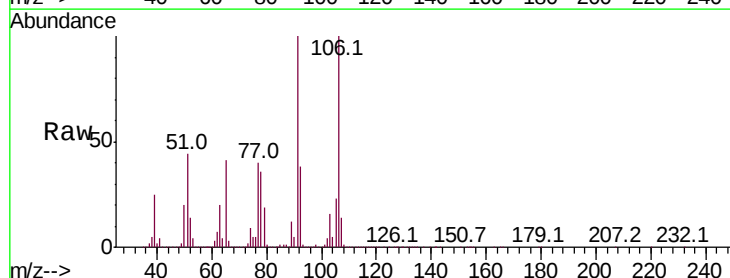
Acq: 19 Feb 2019 16:30

Tgt Ion:106 Resp:16597857

Ion Ratio Lower Upper

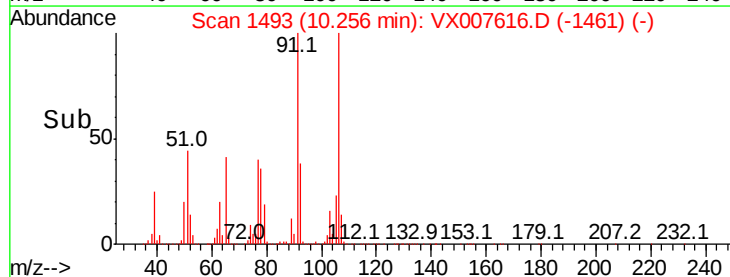
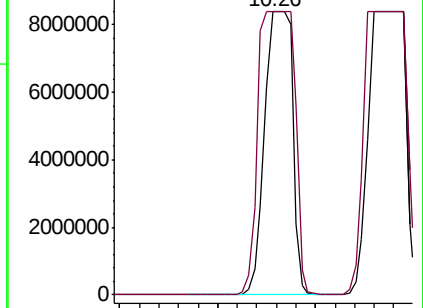
106 100

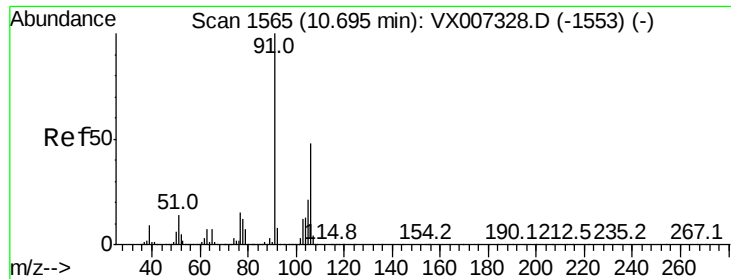
91 0.0 156.6 234.8#



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

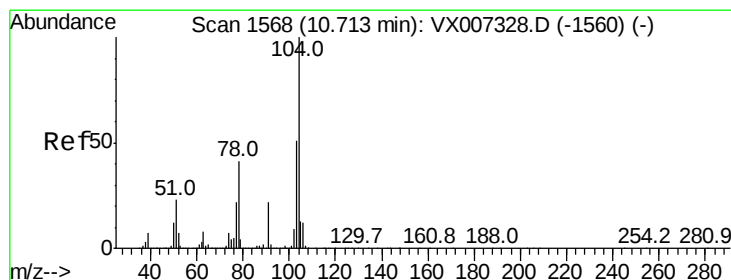
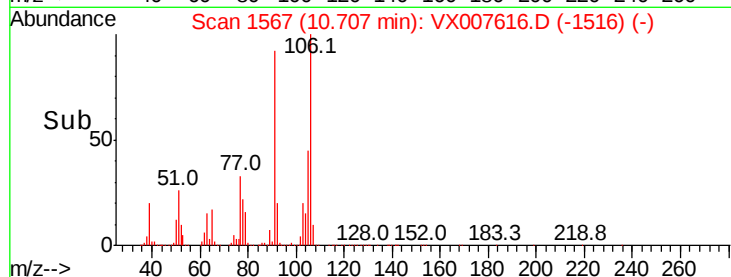
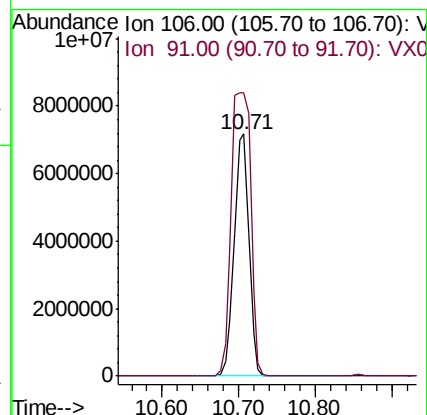
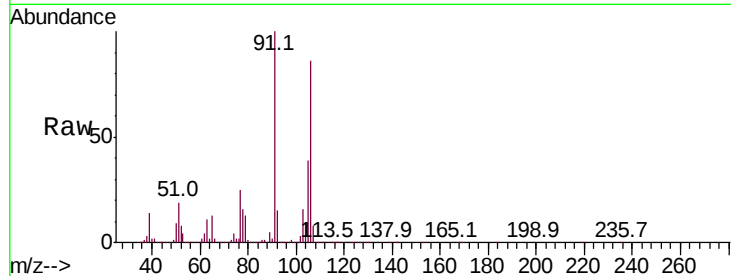




#69
o-Xylene
Concen: 971.226 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.01 min
Lab File: VX007616.D
Acq: 19 Feb 2019 16:30

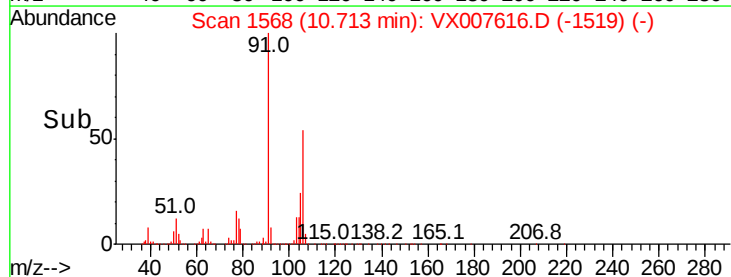
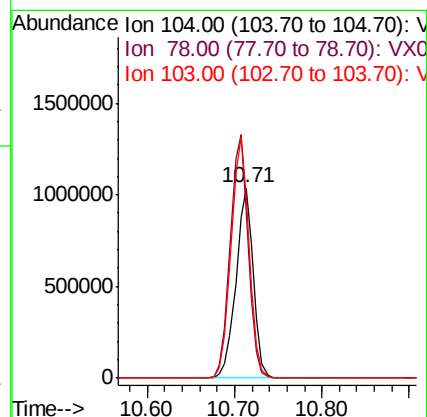
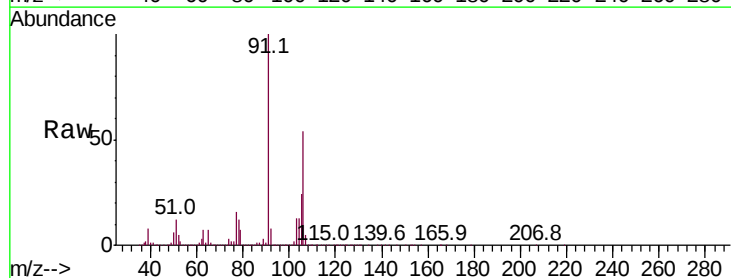
Instrument :
MSVOA_X
ClientSampleId :
MW-1MS

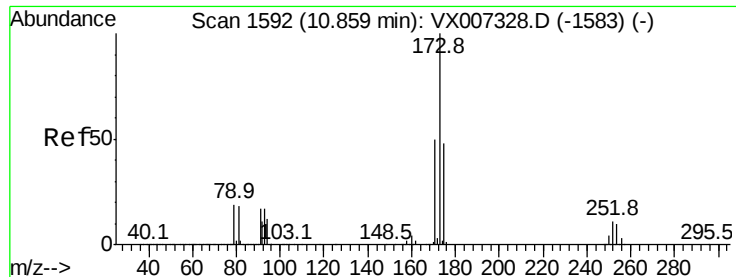
Tot Ion:106 Resp: 9611418
Ion Ratio Lower Upper
106 100
91 154.8 102.9 308.7



#70
Styrene
Concen: 89.697 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX007616.D
Acq: 19 Feb 2019 16:30

Tgt Ion:104 Resp: 1439577
Ion Ratio Lower Upper
104 100
78 129.9 38.3 57.5#
103 129.2 44.6 67.0#





#71

Bromoform

Concen: 49.521 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX007616.D

Acq: 19 Feb 2019 16:30

Instrument :

MSVOA_X

ClientSampleId :

MW-1MS

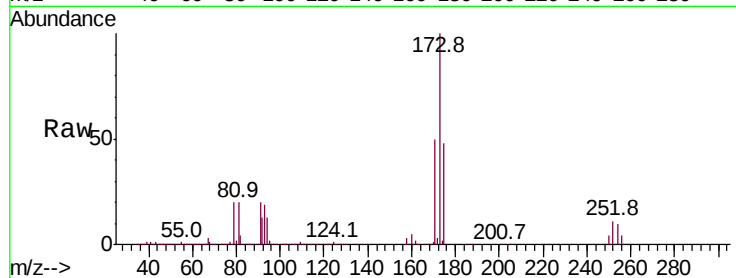
Tot Ion:173 Resp: 233751

Ion Ratio Lower Upper

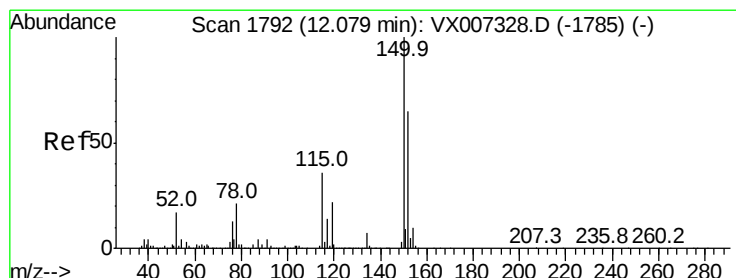
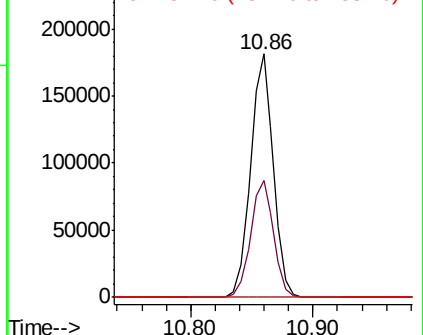
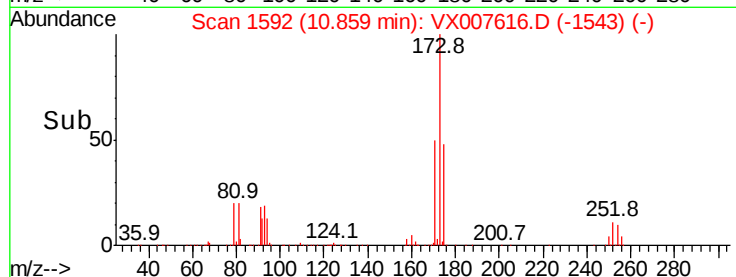
173 100

175 48.7 24.2 72.6

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: VX007616.D

Acq: 19 Feb 2019 16:30

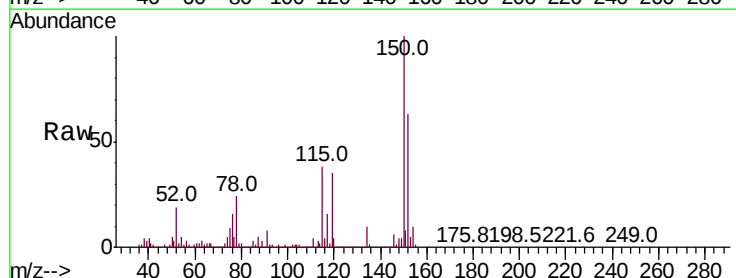
Tgt Ion:152 Resp: 391033

Ion Ratio Lower Upper

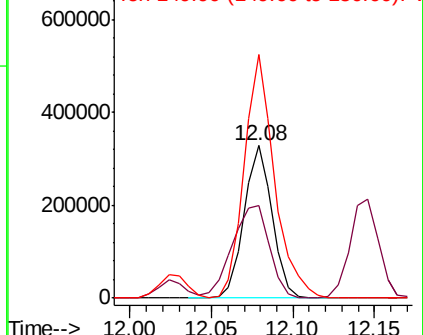
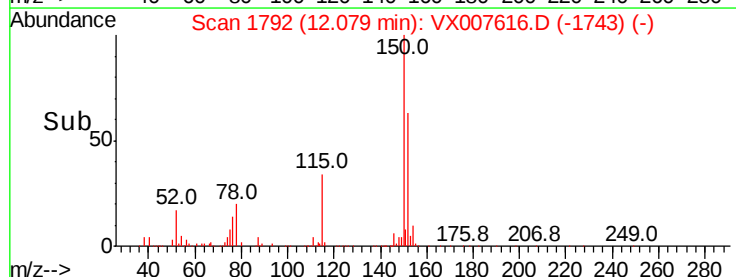
152 100

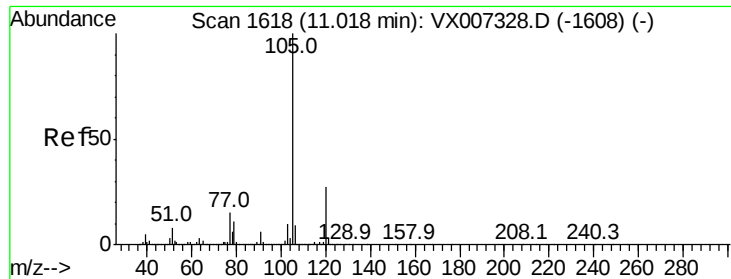
115 80.1 38.0 114.0

150 173.2 0.0 346.4



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: 156.496 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX007616.D

Acq: 19 Feb 2019 16:30

Instrument :

MSVOA_X

ClientSampleId :

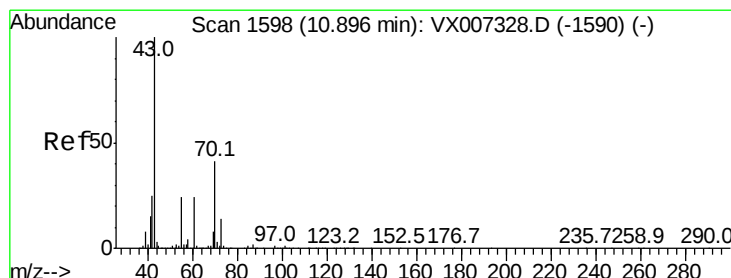
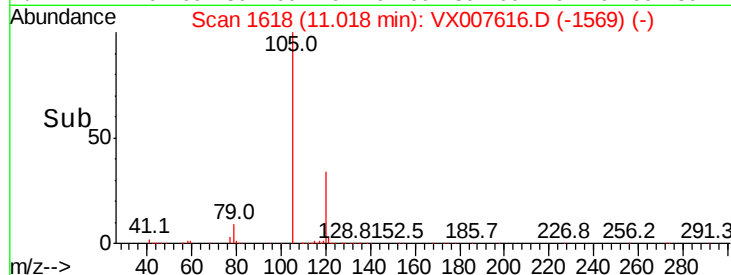
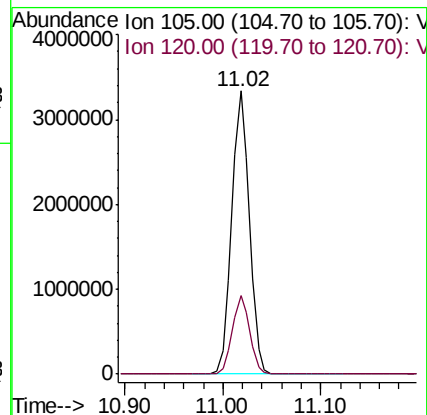
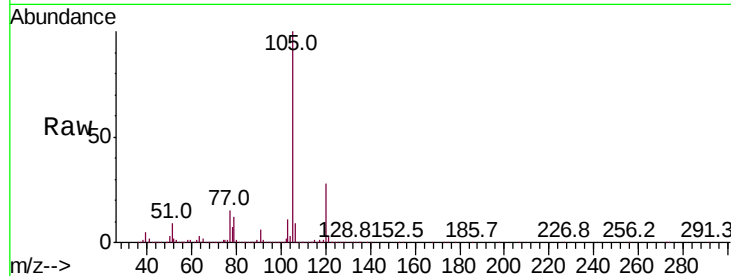
MW-1MS

Tot Ion:105 Resp: 4158531

Ion Ratio Lower Upper

105 100

120 27.4 13.6 40.7



#74

N-ethyl acetate

Concen: 57.650 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX007616.D

Acq: 19 Feb 2019 16:30

Tgt Ion: 43 Resp: 592529

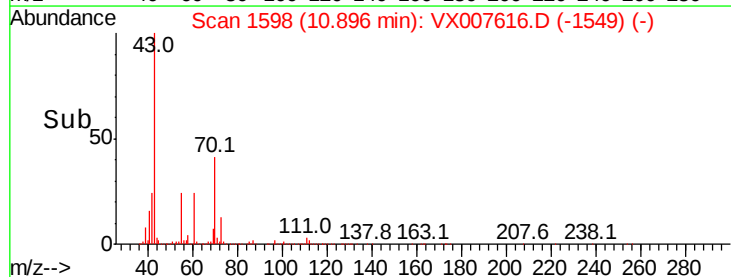
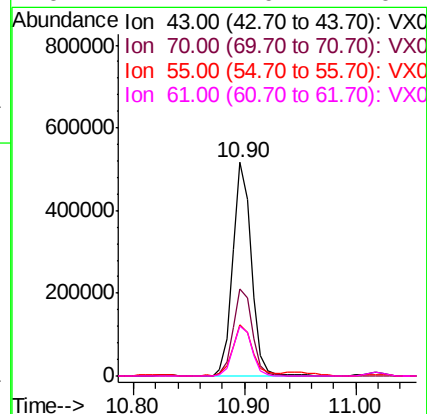
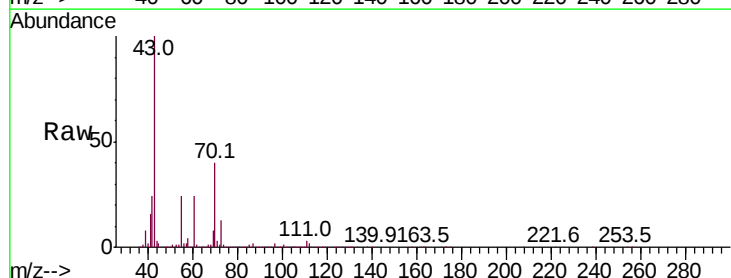
Ion Ratio Lower Upper

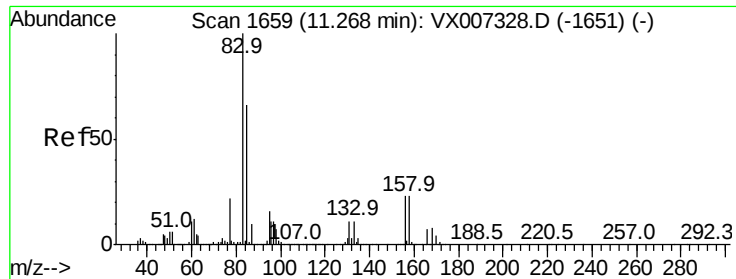
43 100

70 42.1 33.8 50.6

55 25.1 19.5 29.3

61 24.1 19.4 29.2





#75

1,1,2,2-Tetrachloroethane

Concen: 52.973 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX007616.D

Acq: 19 Feb 2019 16:30

Instrument :

MSVOA_X

ClientSampleId :

MW-1MS

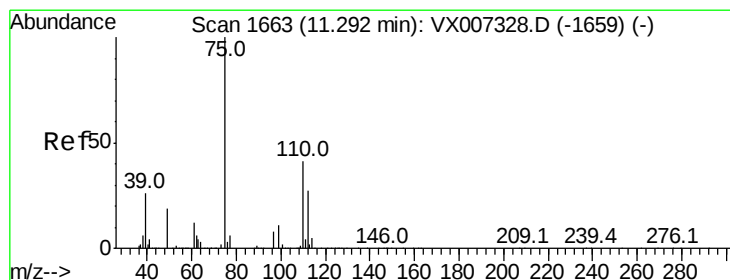
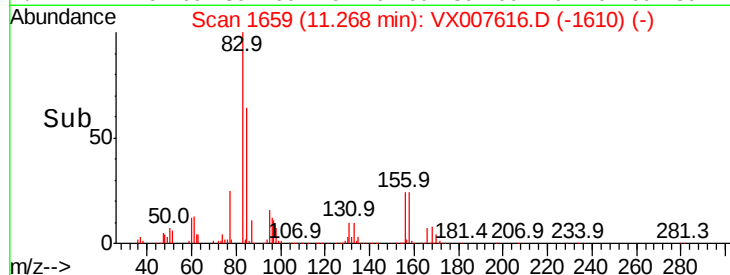
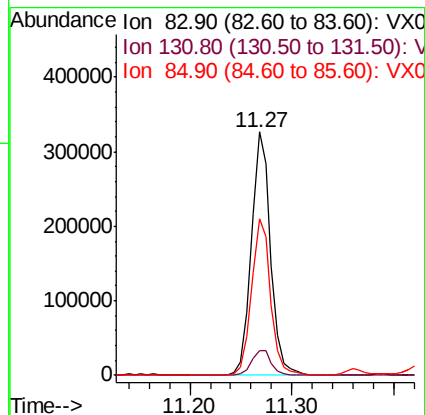
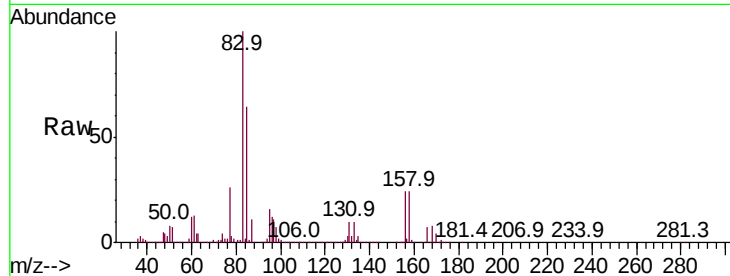
Tot Ion: 83 Resp: 428996

Ion	Ratio	Lower	Upper
83	100		
131	10.7	5.7	17.0
85	63.7	32.8	98.3

83 100

131 10.7 5.7 17.0

85 63.7 32.8 98.3



#76

1,2,3-Trichloropropane

Concen: 52.303 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. 0.01 min

Lab File: VX007616.D

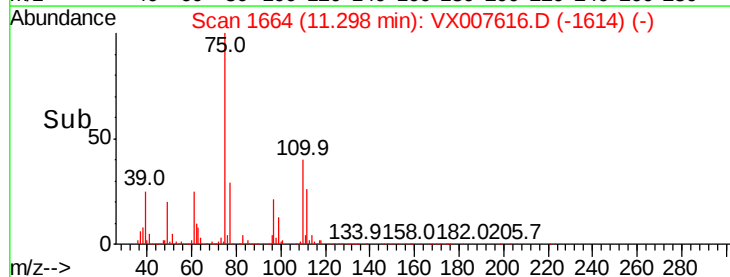
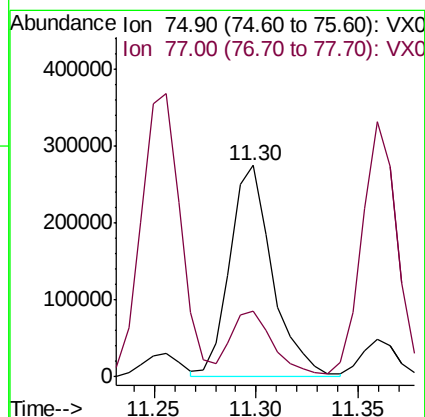
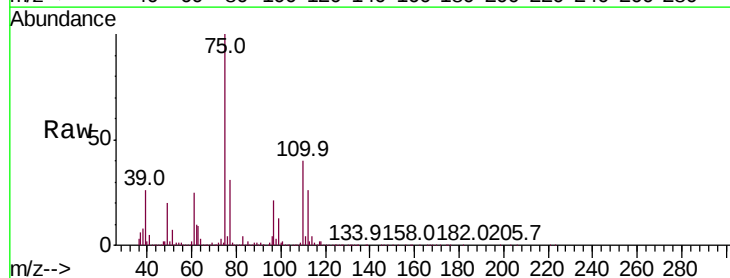
Acq: 19 Feb 2019 16:30

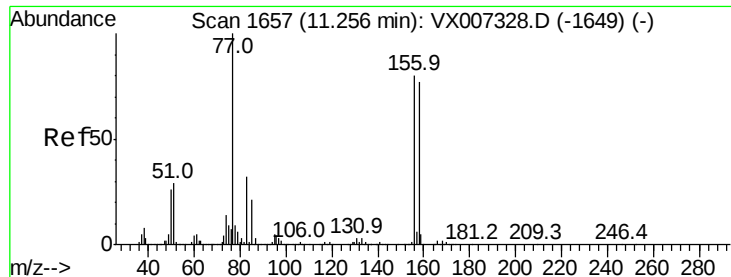
Tgt Ion: 75 Resp: 397823

Ion	Ratio	Lower	Upper
75	100		
77	0.0	23.0	69.0

75 100

77 0.0 23.0 69.0





#77

Bromobenzene

Concen: 45.678 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX007616.D

Acq: 19 Feb 2019 16:30

Instrument :

MSVOA_X

ClientSampleId :

MW-1MS

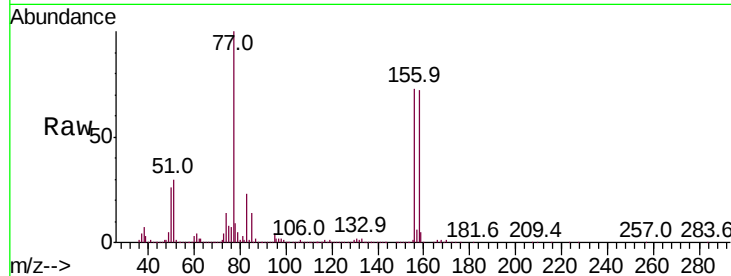
Tot Ion:156 Resp: 341992

Ion Ratio Lower Upper

156 100

77 144.1 66.8 200.6

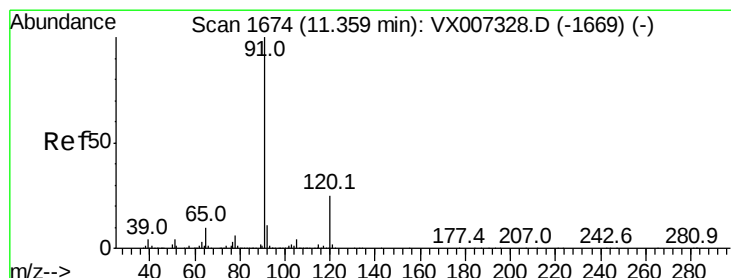
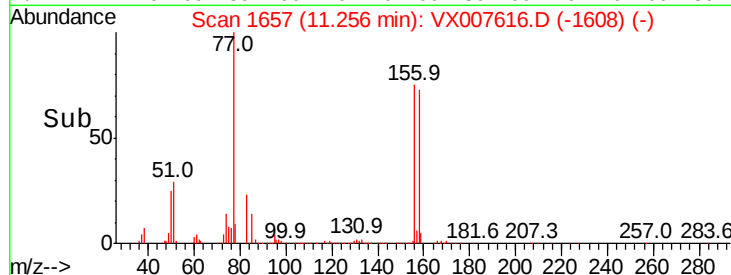
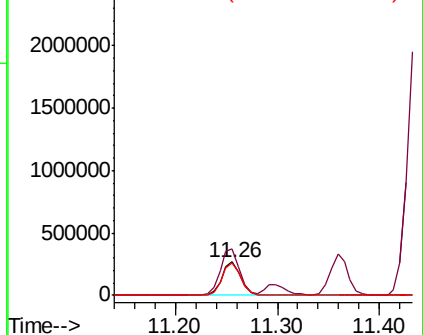
158 97.6 47.9 143.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 325.838 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX007616.D

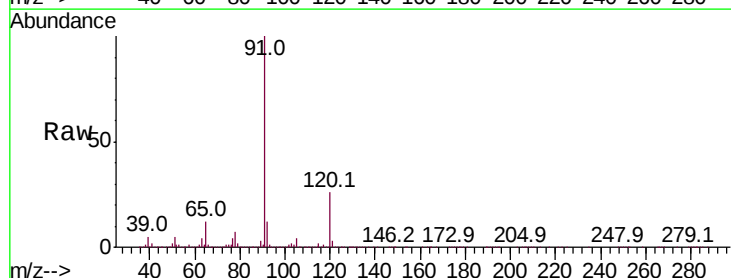
Acq: 19 Feb 2019 16:30

Tgt Ion: 91 Resp: 9494504

Ion Ratio Lower Upper

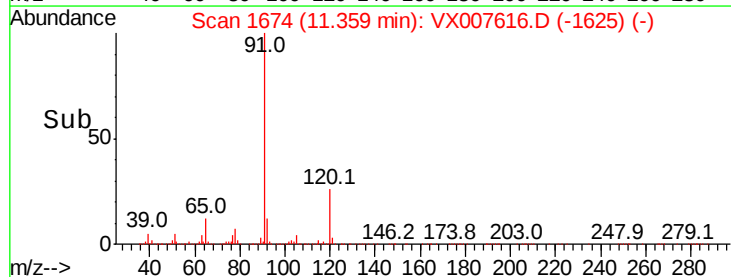
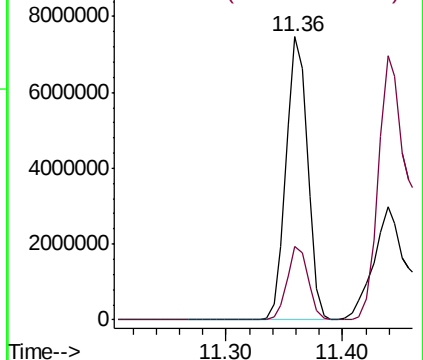
91 100

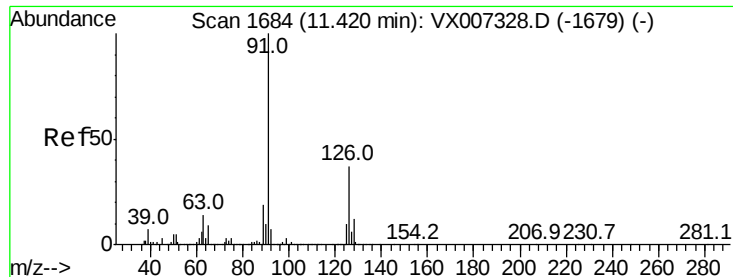
120 25.2 12.4 37.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 328.430 ug/l

RT: 11.44 min Scan# 1687

Delta R.T. 0.02 min

Lab File: VX007616.D

Acq: 19 Feb 2019 16:30

Instrument :

MSVOA_X

ClientSampleId :

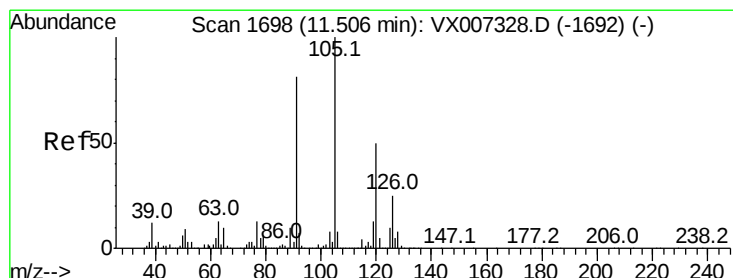
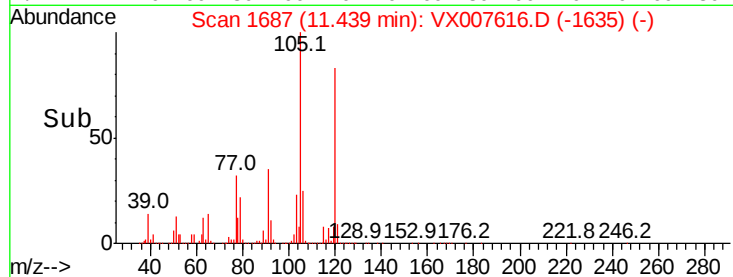
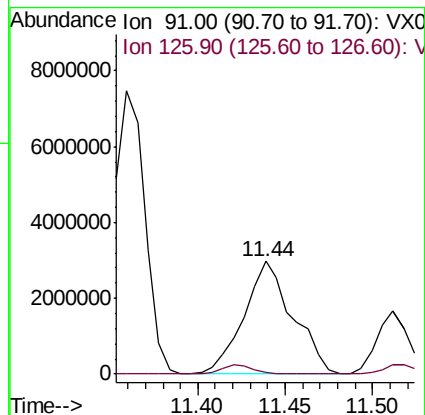
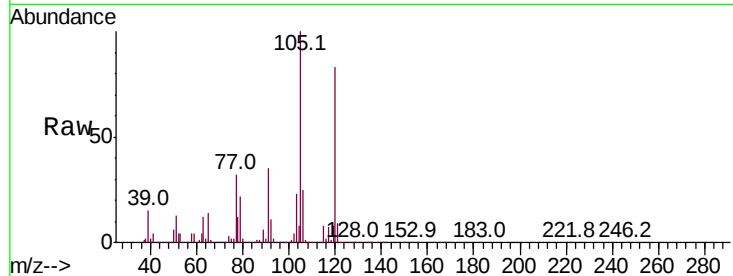
MW-1MS

Tot Ion: 91 Resp: 5806887

Ion Ratio Lower Upper

91 100

126 5.4 18.7 56.1#



#80

1,3,5-Trimethylbenzene

Concen: 471.356 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.01 min

Lab File: VX007616.D

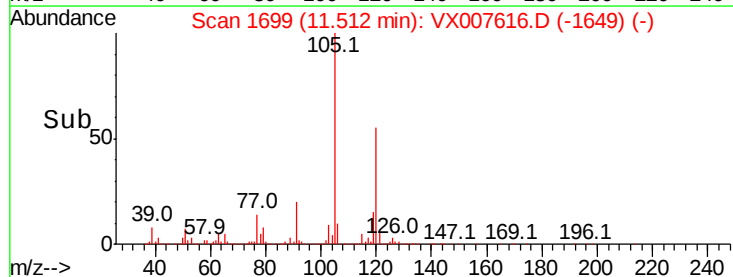
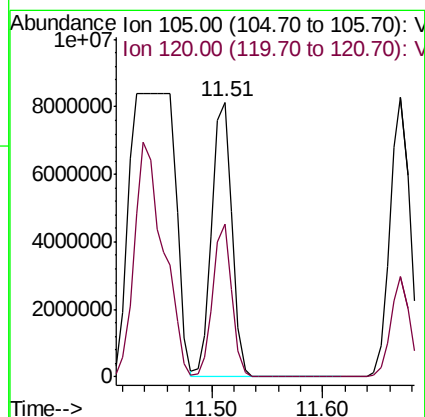
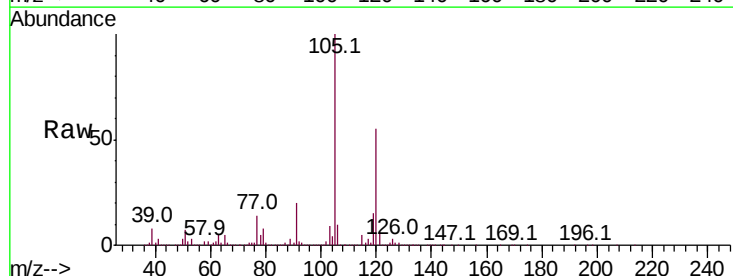
Acq: 19 Feb 2019 16:30

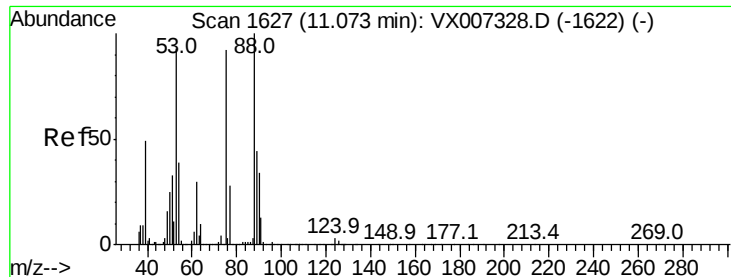
Tgt Ion: 105 Resp: 10247181

Ion Ratio Lower Upper

105 100

120 52.2 25.3 75.8





#81

trans-1,4-Dichloro-2-butene

Concen: 21.644 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.05 min

Lab File: VX007616.D

Acq: 19 Feb 2019 16:30

Instrument :

MSVOA_X

ClientSampled :

MW-1MS

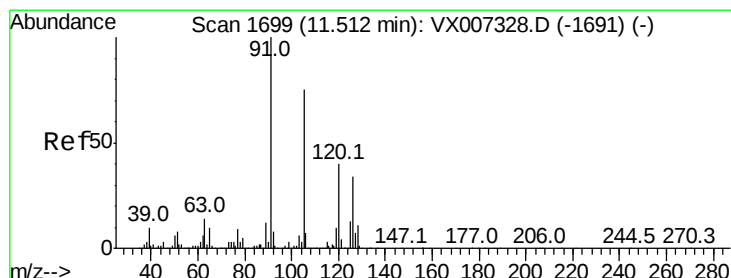
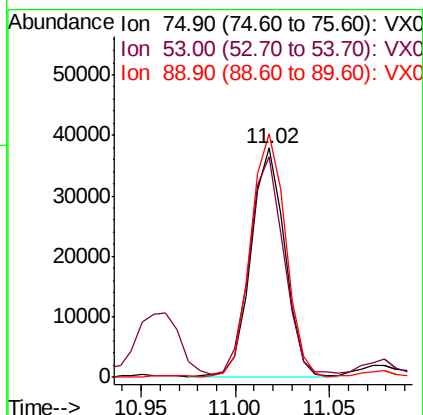
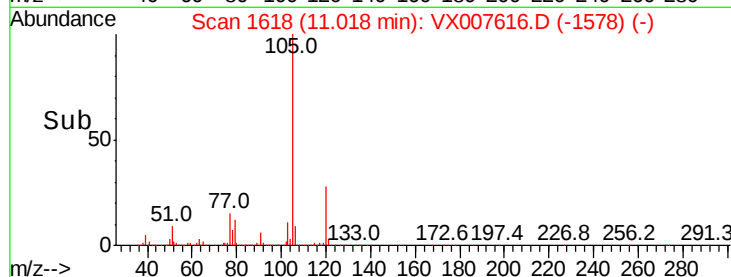
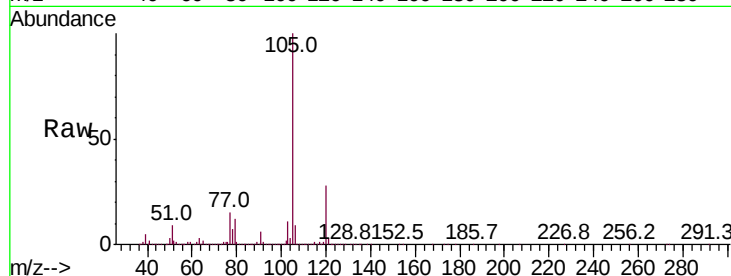
Tot Ion: 75 Resp: 46814

Ion Ratio Lower Upper

75 100

53 97.3 81.0 121.6

89 110.2 41.4 62.0#



#82

4-Chlorotoluene

Concen: 101.791 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX007616.D

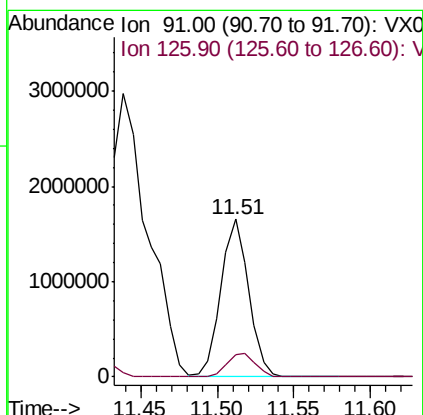
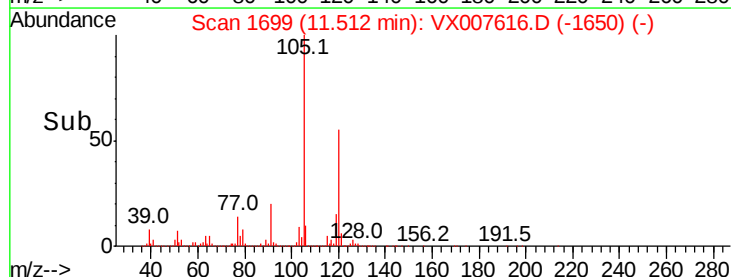
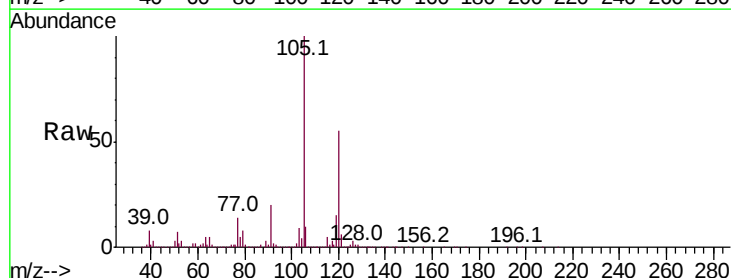
Acq: 19 Feb 2019 16:30

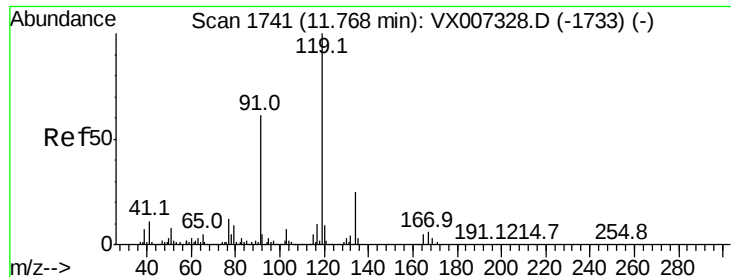
Tgt Ion: 91 Resp: 2082494

Ion Ratio Lower Upper

91 100

126 15.3 16.2 48.5#





#83

tert-Butylbenzene

Concen: 48.609 ug/l

RT: 11.77 min Scan# 1742

Delta R.T. 0.01 min

Lab File: VX007616.D

Acq: 19 Feb 2019 16:30

Instrument :

MSVOA_X

ClientSampleId :

MW-1MS

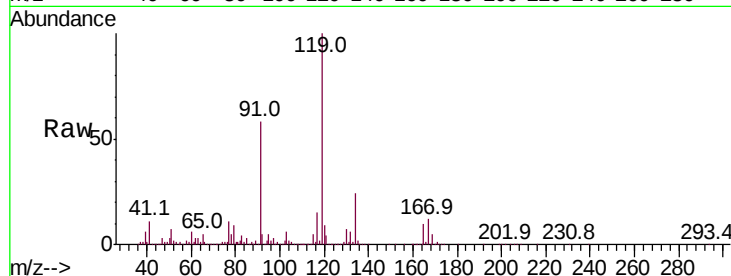
Tot Ion:119 Resp: 1046246

Ion Ratio Lower Upper

119 100

91 54.6 28.5 85.6

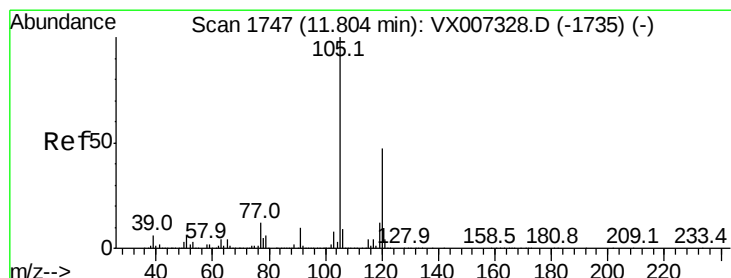
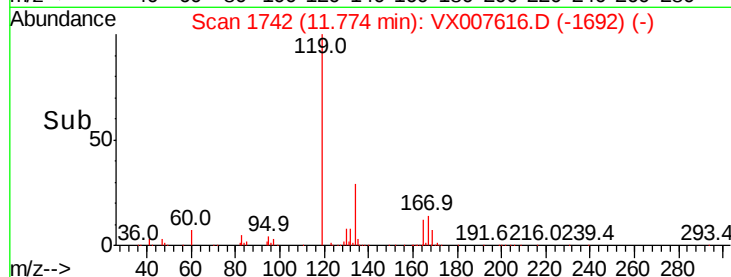
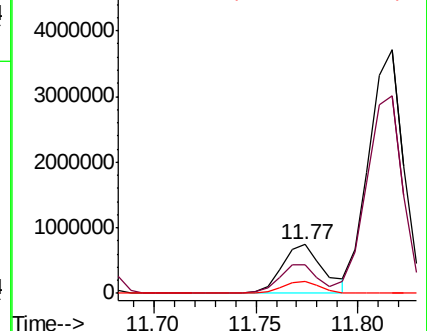
134 22.6 12.0 36.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 467.551 ug/l

RT: 11.67 min Scan# 1725

Delta R.T. -0.13 min

Lab File: VX007616.D

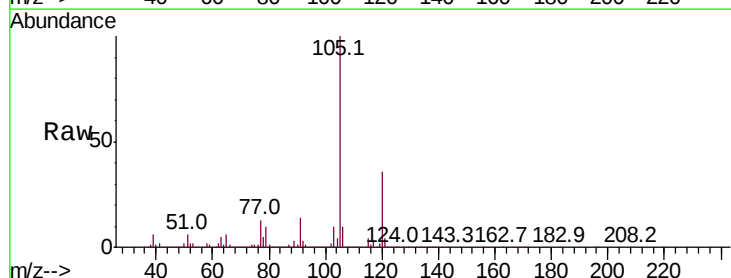
Acq: 19 Feb 2019 16:30

Tgt Ion:105 Resp:10319299

Ion Ratio Lower Upper

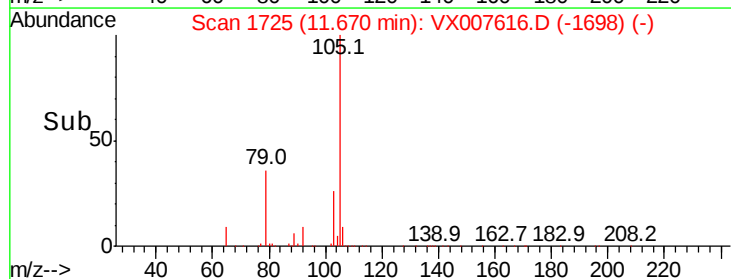
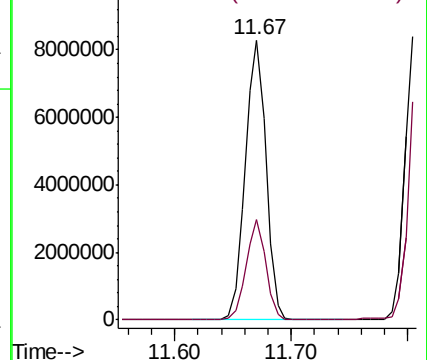
105 100

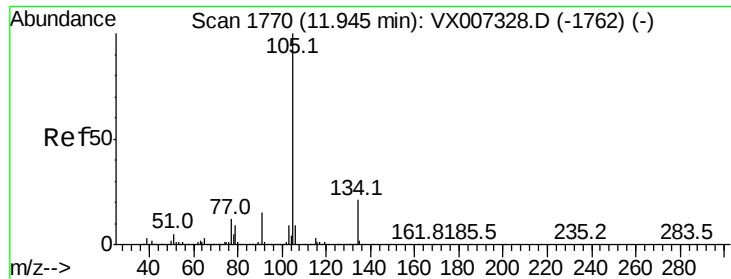
120 33.8 23.1 69.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 57.213 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX007616.D

Acq: 19 Feb 2019 16:30

Instrument :

MSVOA_X

ClientSampled :

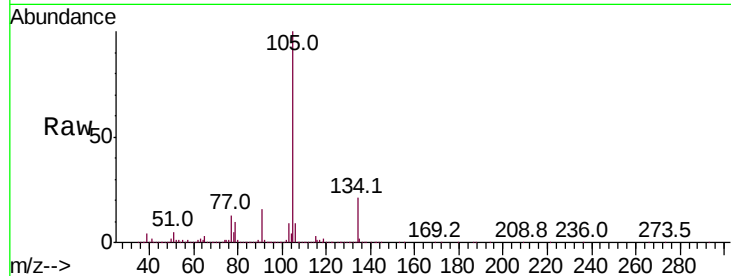
MW-1MS

Tot Ion:105 Resp: 1490412

Ion Ratio Lower Upper

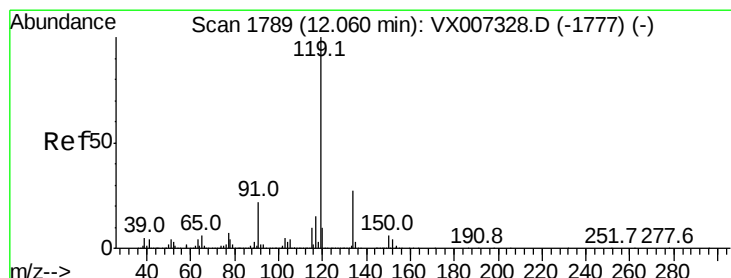
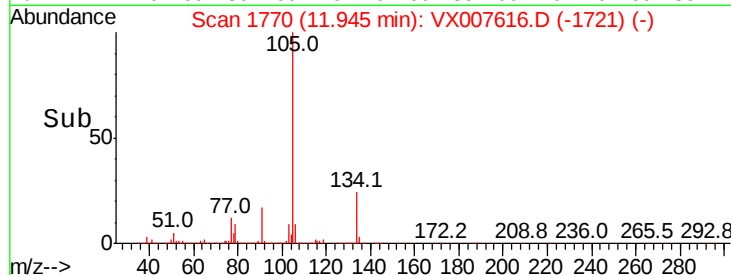
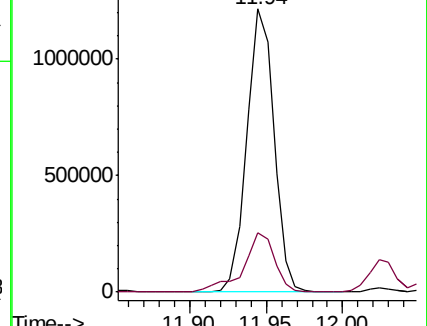
105 100

134 24.3 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 53.732 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.01 min

Lab File: VX007616.D

Acq: 19 Feb 2019 16:30

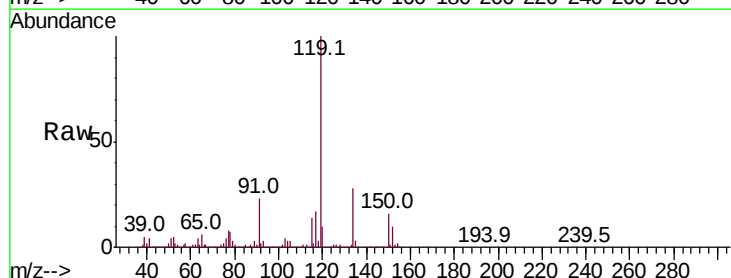
Tgt Ion:119 Resp: 1263554

Ion Ratio Lower Upper

119 100

134 27.1 13.7 41.1

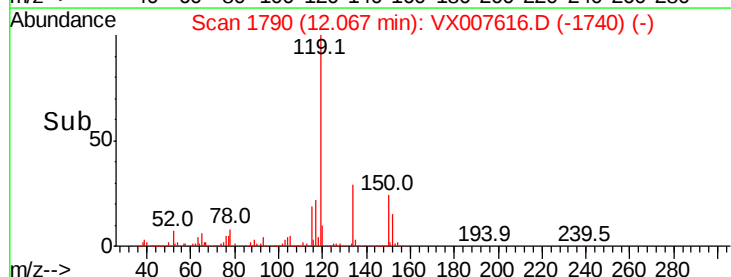
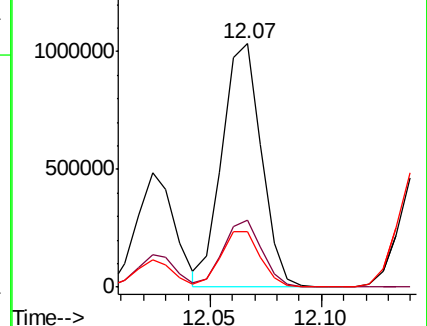
91 23.1 11.2 33.5

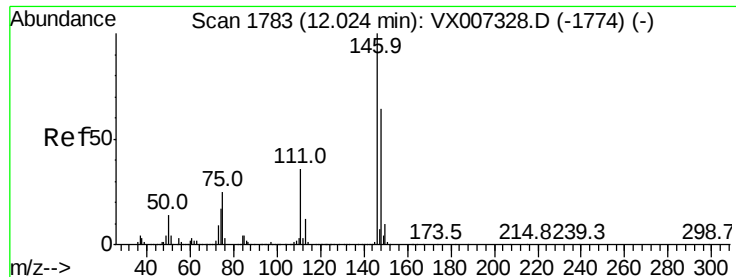


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 45.721 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX007616.D

Acq: 19 Feb 2019 16:30

Instrument :

MSVOA_X

ClientSampleId :

MW-1MS

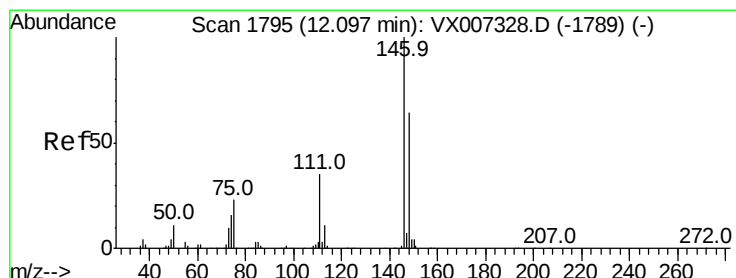
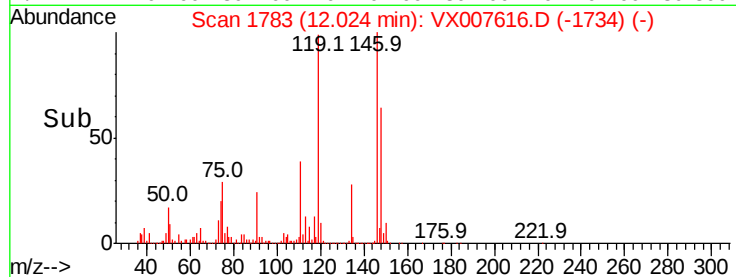
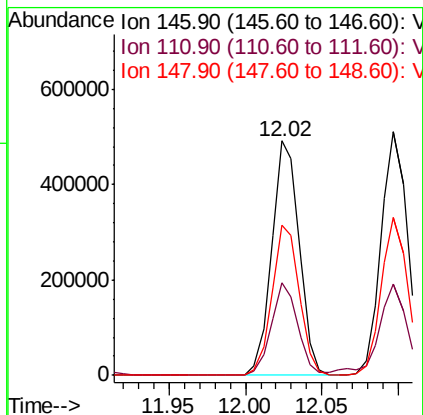
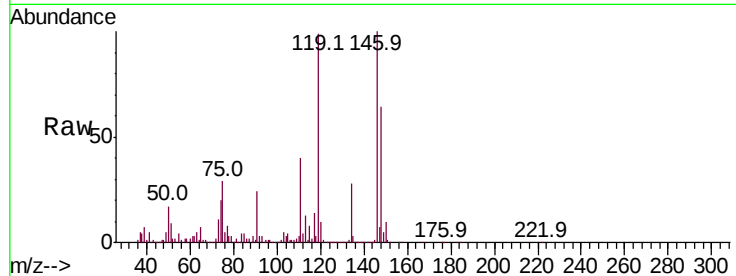
Tot Ion:146 Resp: 614338

Ion Ratio Lower Upper

146 100

111 38.2 18.1 54.1

148 63.9 32.0 96.2



#88

1,4-Dichlorobenzene

Concen: 44.984 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX007616.D

Acq: 19 Feb 2019 16:30

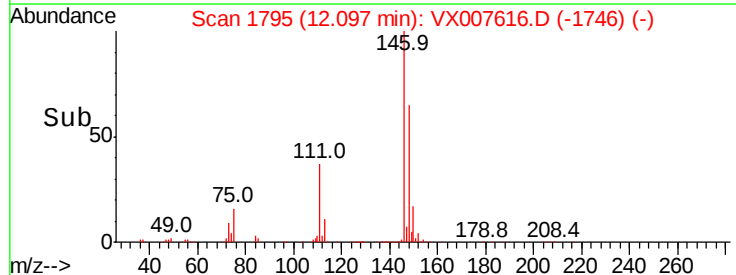
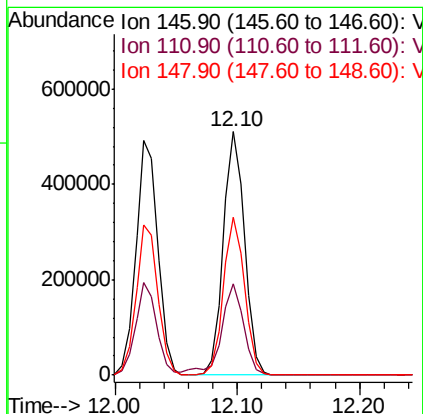
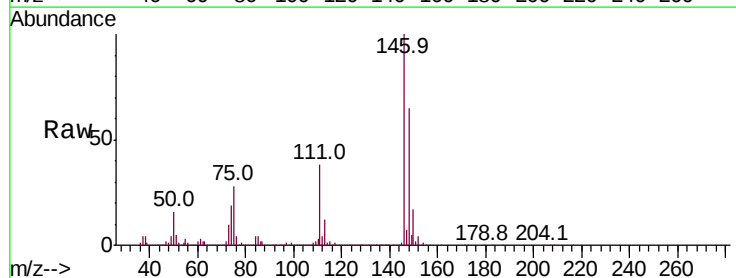
Tgt Ion:146 Resp: 613223

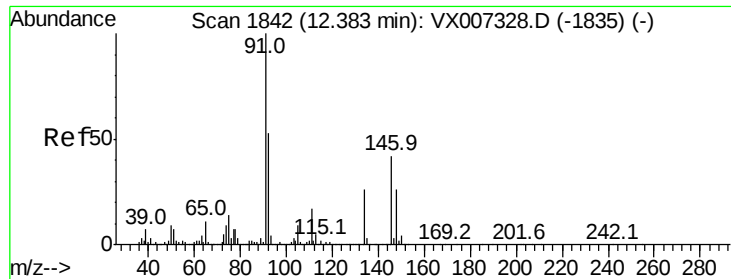
Ion Ratio Lower Upper

146 100

111 39.3 18.1 54.1

148 64.5 32.3 96.9

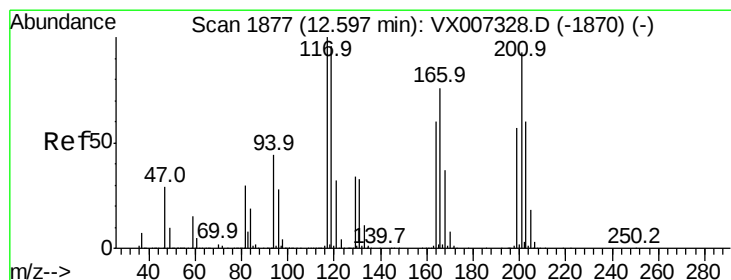
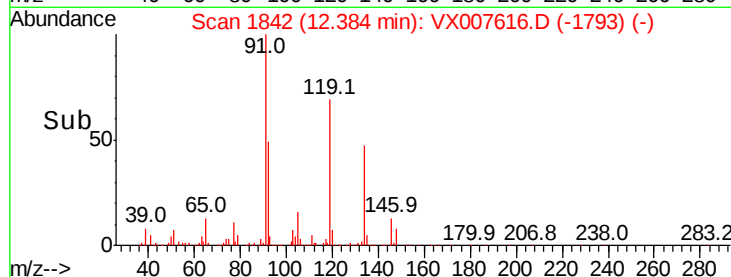
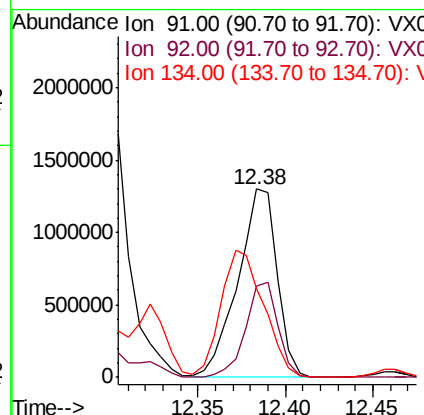
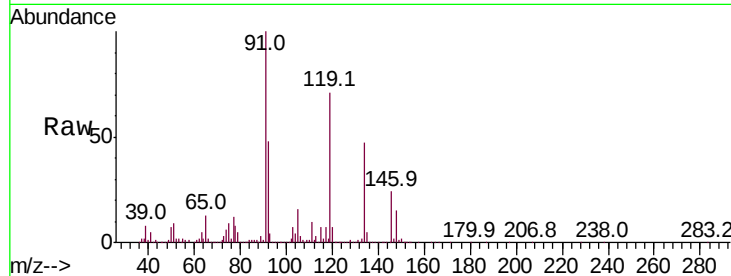




#89
n-Butylbenzene
Concen: 99.915 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX007616.D
Acq: 19 Feb 2019 16:30

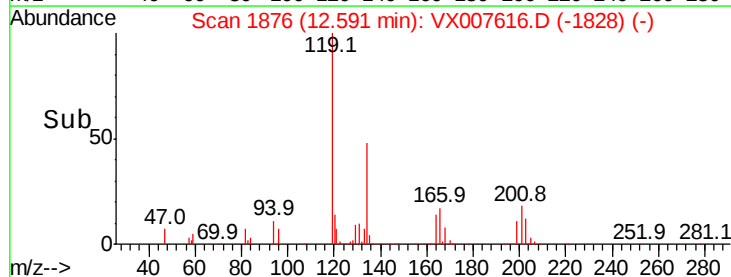
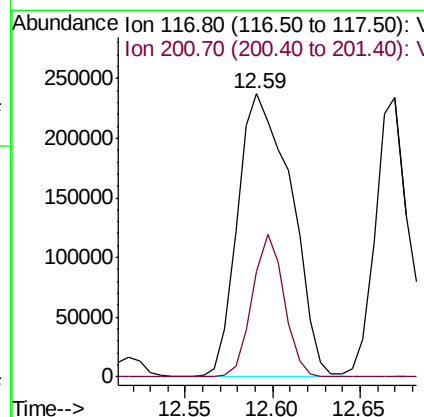
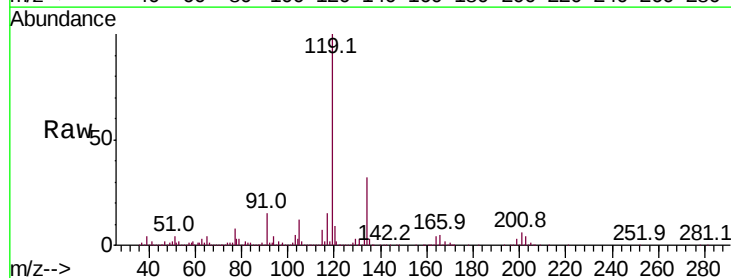
Instrument :
MSVOA_X
ClientSampleId :
MW-1MS

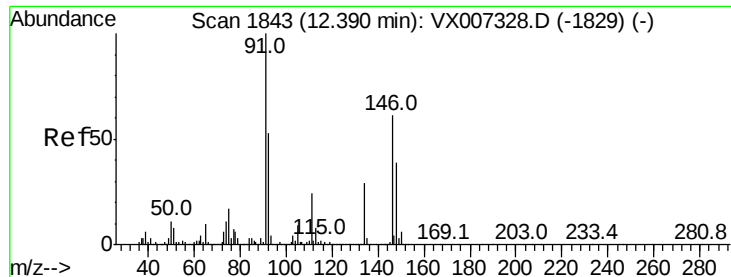
Tot Ion: 91 Resp: 2021206
Ion Ratio Lower Upper
91 100
92 41.7 26.3 78.9
134 73.5 13.9 41.6#



#90
Hexachloroethane
Concen: 142.595 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX007616.D
Acq: 19 Feb 2019 16:30

Tgt Ion: 117 Resp: 501852
Ion Ratio Lower Upper
117 100
201 30.1 44.9 134.7#





#91

1,2-Dichlorobenzene

Concen: 45.751 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX007616.D

Acq: 19 Feb 2019 16:30

Instrument :

MSVOA_X

ClientSampleId :

MW-1MS

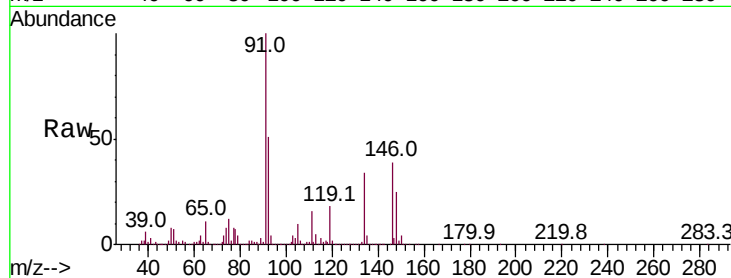
Tot Ion:146 Resp: 611783

Ion Ratio Lower Upper

146 100

111 39.3 19.1 57.3

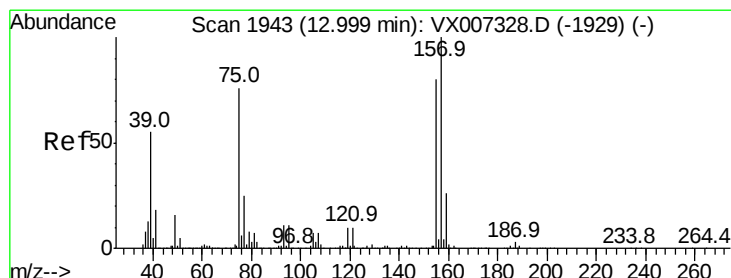
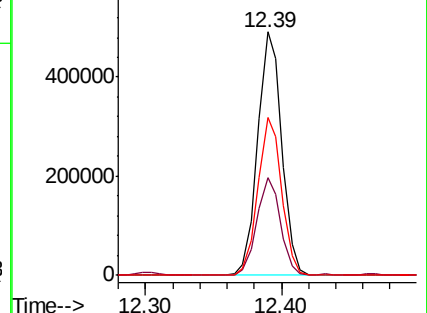
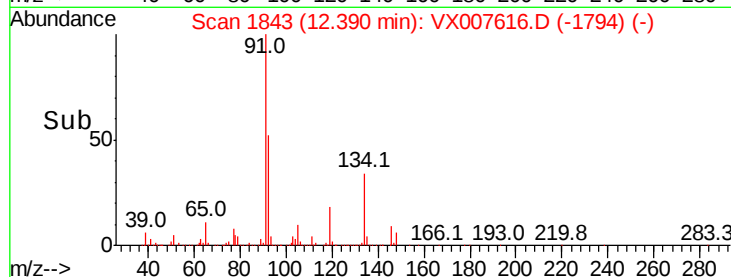
148 63.9 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 76.095 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX007616.D

Acq: 19 Feb 2019 16:30

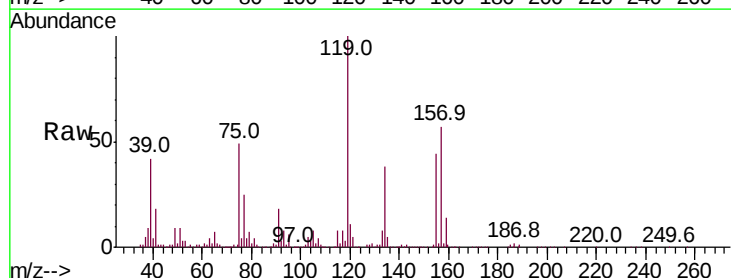
Tgt Ion: 75 Resp: 128135

Ion Ratio Lower Upper

75 100

155 73.1 49.6 149.0

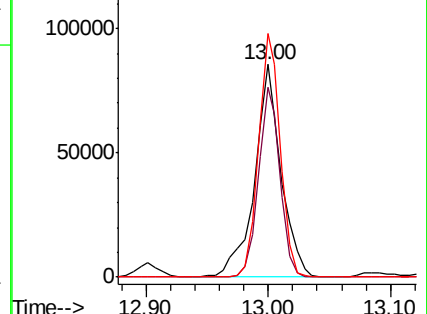
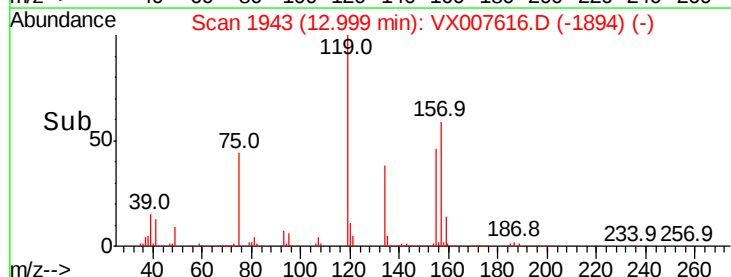
157 95.0 65.1 195.3

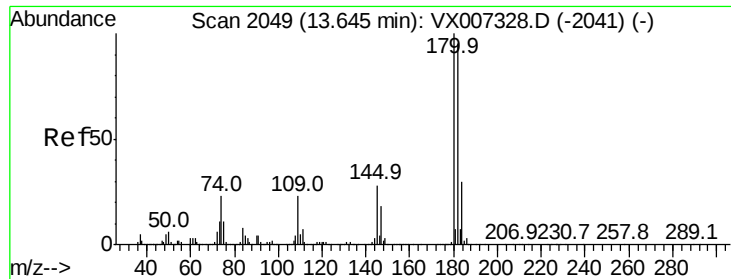


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

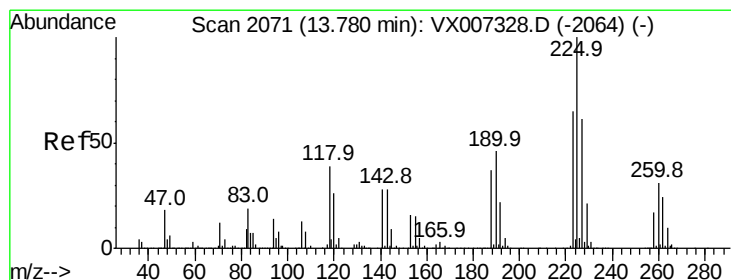
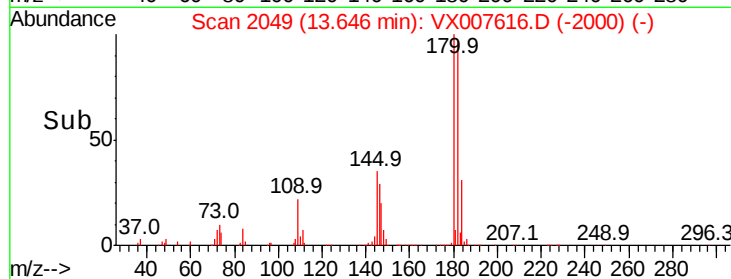
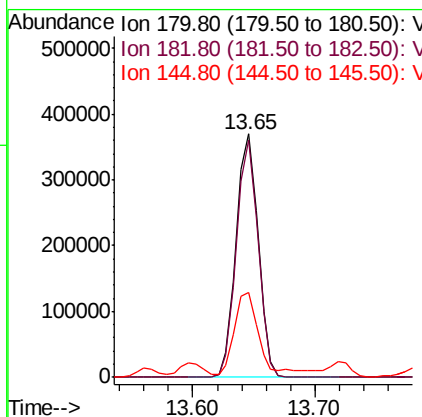
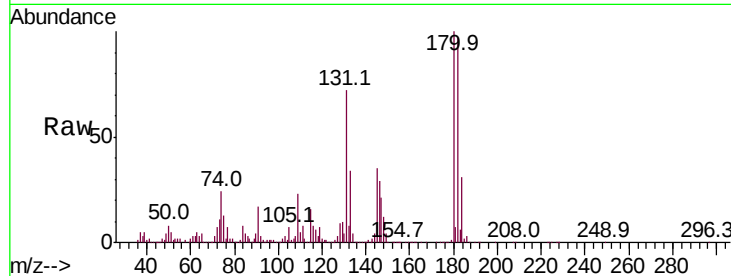




#93
 1,2,4-Trichlorobenzene
 Concen: 50.925 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX007616.D
 Acq: 19 Feb 2019 16:30

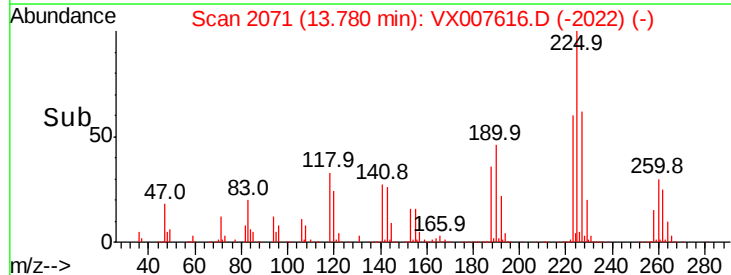
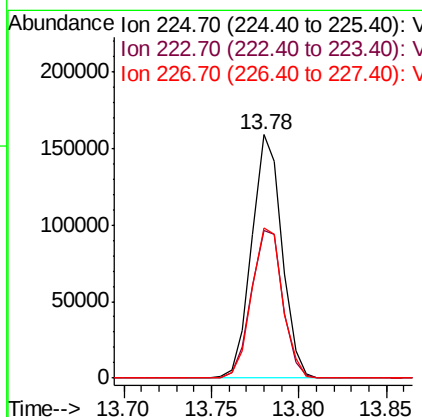
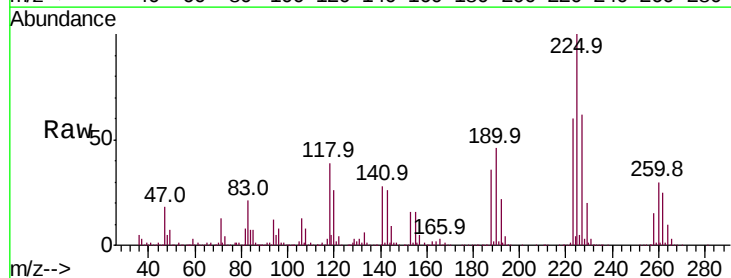
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1MS

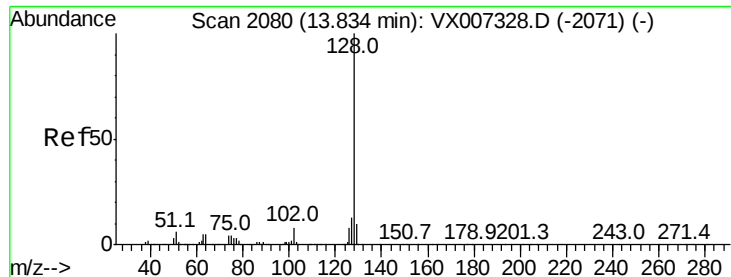
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.8	143.3
145	40.7	14.1	42.2



#94
 Hexachlorobutadiene
 Concen: 43.536 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX007616.D
 Acq: 19 Feb 2019 16:30

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.6	94.8
227	63.0	32.1	96.3





#95

Naphthalene

Concen: 524.865 ug/l

RT: 13.83 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX007616.D

Acq: 19 Feb 2019 16:30

Instrument :

MSVOA_X

ClientSampled :

MW-1MS

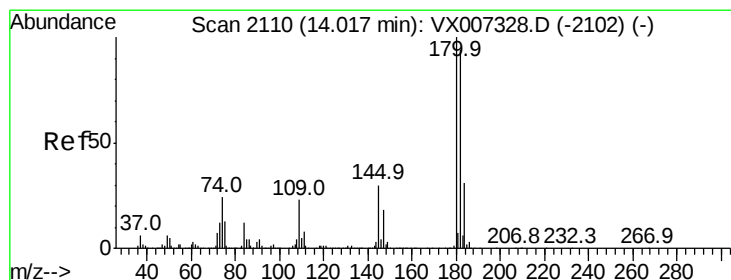
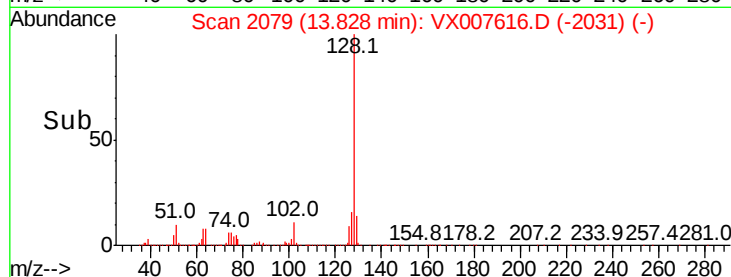
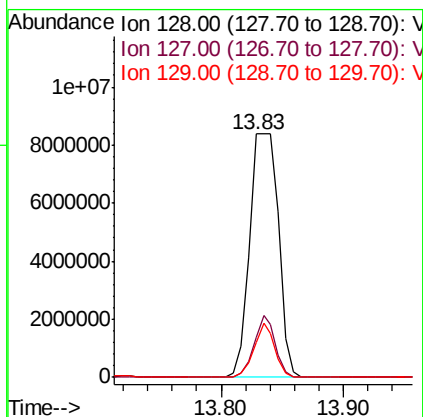
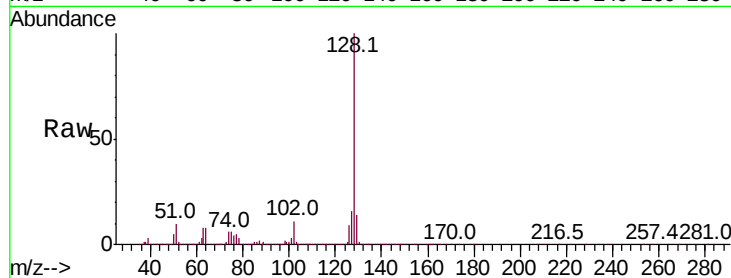
Tot Ion:128 Resp:13841437

Ion Ratio Lower Upper

128 100

127 18.6 10.5 15.7#

129 16.1 8.7 13.1#



#96

1,2,3-Trichlorobenzene

Concen: 50.334 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX007616.D

Acq: 19 Feb 2019 16:30

Tgt Ion:180 Resp: 456905

Ion Ratio Lower Upper

180 100

182 94.4 47.5 142.6

145 33.6 14.9 44.5

