

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122718\
 Data File : VX006831.D
 Acq On : 27 Dec 2018 10:01
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 28 03:16:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	610449	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	873509	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	794262	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	397895	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	324503	49.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.64%	
35) Dibromofluoromethane	5.50	113	304501	55.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.24%	
50) Toluene-d8	8.71	98	1104525	53.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.08%	
62) 4-Bromofluorobenzene	11.13	95	409526	53.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	262356	46.979	ug/l	99
3) Chloromethane	1.33	50	267188	44.409	ug/l	100
4) Vinyl Chloride	1.41	62	295759	47.068	ug/l	98
5) Bromomethane	1.64	94	258511	43.849	ug/l	98
6) Chloroethane	1.72	64	192111	44.154	ug/l	100
7) Trichlorofluoromethane	1.93	101	482782	49.280	ug/l	99
8) Diethyl Ether	2.19	74	186020	47.806	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	293448	51.015	ug/l	99
10) Methyl Iodide	2.51	142	381259	46.303	ug/l	100
11) Tert butyl alcohol	3.06	59	311481	212.139	ug/l	100
12) 1,1-Dichloroethene	2.37	96	260706	47.799	ug/l	99
13) Acrolein	2.29	56	267877	270.442	ug/l	99
14) Allyl chloride	2.73	41	451243	49.151	ug/l	100
15) Acrylonitrile	3.15	53	790118	242.363	ug/l	100
16) Acetone	2.45	43	877502	290.307	ug/l	99
17) Carbon Disulfide	2.57	76	614543	42.577	ug/l	99
18) Methyl Acetate	2.78	43	463870	52.190	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	939488	51.898	ug/l	99
20) Methylene Chloride	2.85	84	300988	48.155	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	279416	46.236	ug/l	97
22) Diisopropyl ether	3.87	45	919469	54.745	ug/l	97
23) Vinyl Acetate	3.82	43	3775402	274.811	ug/l	98
24) 1,1-Dichloroethane	3.70	63	512133	51.080	ug/l	99
25) 2-Butanone	4.70	43	1107325	260.439	ug/l	98
26) 2,2-Dichloropropane	4.58	77	402685	51.994	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	328584	49.281	ug/l	98
28) Bromochloromethane	5.02	49	229480	54.461	ug/l	97
29) Tetrahydrofuran	5.15	42	664276	237.212	ug/l	97
30) Chloroform	5.21	83	518948	49.982	ug/l	99
31) Cyclohexane	5.57	56	393676	43.221	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	447723	51.070	ug/l	99
36) 1,1-Dichloropropene	5.80	75	382019	52.804	ug/l	99
37) Ethyl Acetate	4.85	43	390455	51.853	ug/l	99
38) Carbon Tetrachloride	5.78	117	388622	55.273	ug/l	99

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	390565	41.006	ug/l	99
40) Benzene	6.14	78	1148967	52.247	ug/l	99
41) Methacrylonitrile	5.06	41	221808	55.482	ug/l	98
42) 1,2-Dichloroethane	6.20	62	392858	52.426	ug/l	99
43) Isopropyl Acetate	6.46	43	650275	56.757	ug/l	98
44) Trichloroethene	7.21	130	338348	50.834	ug/l	95
45) 1,2-Dichloropropane	7.51	63	291615	54.492	ug/l	98
46) Dibromomethane	7.66	93	204216	51.880	ug/l	96
47) Bromodichloromethane	7.90	83	372115	56.940	ug/l	98
48) Methyl methacrylate	7.77	41	332525	57.073	ug/l	98
49) 1,4-Dioxane	7.75	88	128825	841.931	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	2024067	277.655	ug/l	100
52) Toluene	8.78	92	744981	52.437	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	424401	60.552	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	459684	59.773	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	315003	54.169	ug/l	98
56) Ethyl methacrylate	9.18	69	470156	57.203	ug/l	95
57) 1,3-Dichloropropane	9.37	76	503111	53.774	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	1313847	300.721	ug/l	99
59) 2-Hexanone	9.49	43	1625066	291.355	ug/l	99
60) Dibromochloromethane	9.59	129	331242	54.255	ug/l	98
61) 1,2-Dibromoethane	9.67	107	333996	54.029	ug/l	99
64) Tetrachloroethene	9.34	164	310978	49.445	ug/l	96
65) Chlorobenzene	10.13	112	875051	52.076	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	315706	60.220	ug/l	100
67) Ethyl Benzene	10.25	91	1420250	51.725	ug/l	99
68) m/p-Xylenes	10.36	106	1121730	103.531	ug/l	99
69) o-Xylene	10.69	106	555965	51.964	ug/l	98
70) Styrene	10.71	104	932217	55.074	ug/l	99
71) Bromoform	10.85	173	248517	52.325	ug/l	100
73) Isopropylbenzene	11.02	105	1383256	50.816	ug/l	99
74) N-amyl acetate	10.90	43	608934	62.497	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	457299	56.488	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	527542	71.342	ug/l	92
77) Bromobenzene	11.26	156	408467	55.504	ug/l	98
78) n-propylbenzene	11.36	91	1524252	50.850	ug/l	99
79) 2-Chlorotoluene	11.42	91	936919	51.577	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	1098869	49.011	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	134035	54.726	ug/l	98
82) 4-Chlorotoluene	11.51	91	1110823	53.310	ug/l	99
83) tert-Butylbenzene	11.77	119	1082333	48.233	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	1137291	48.225	ug/l	100
85) sec-Butylbenzene	11.94	105	1255331	45.628	ug/l	100
86) p-Isopropyltoluene	12.06	119	1128338	46.655	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	691958	52.171	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	706028	51.927	ug/l	100
89) n-Butylbenzene	12.38	91	965919	46.930	ug/l	98
90) Hexachloroethane	12.60	117	168295	44.828	ug/l	94
91) 1,2-Dichlorobenzene	12.39	146	684458	51.588	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	90888	54.259	ug/l	100

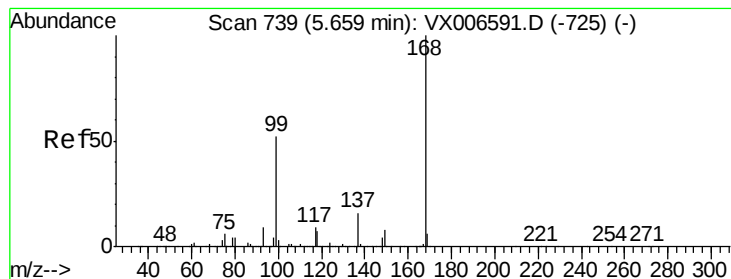
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122718\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	410344	44.836	ug/l	99
94) Hexachlorobutadiene	13.78	225	171947	39.860	ug/l	98
95) Naphthalene	13.83	128	1241343	42.497	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	389018	41.169	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX006831.D

Acq: 27 Dec 2018 10:01

Instrument :

MSVOA_X

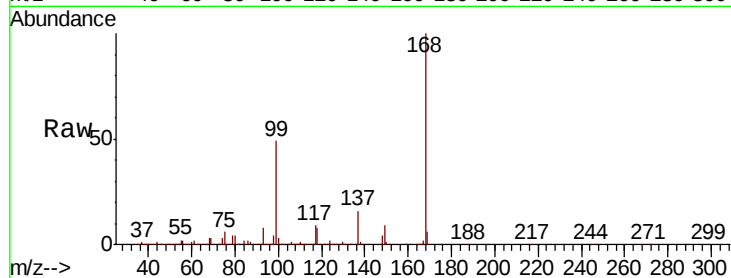
ClientSampleId :

Tot Ion:168 Resp: 610449

Ion Ratio Lower Upper

168 100

99 48.3 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

250000

200000

150000

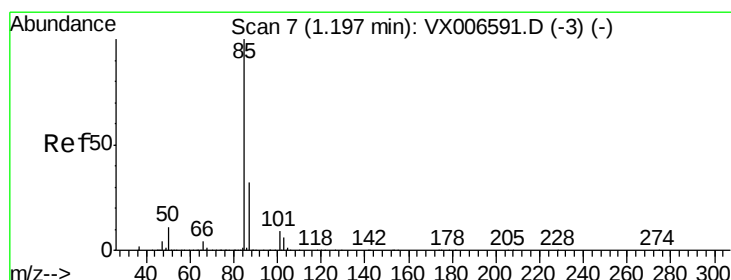
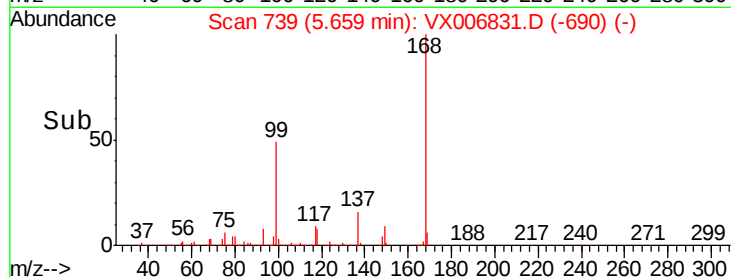
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 46.979 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX006831.D

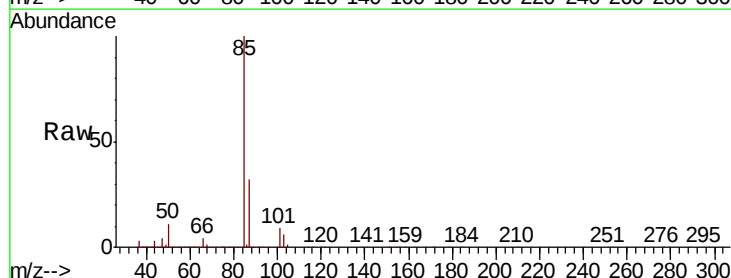
Acq: 27 Dec 2018 10:01

Tgt Ion: 85 Resp: 262356

Ion Ratio Lower Upper

85 100

87 32.3 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

250000

200000

150000

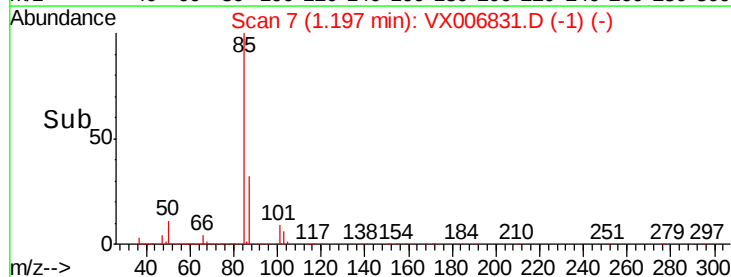
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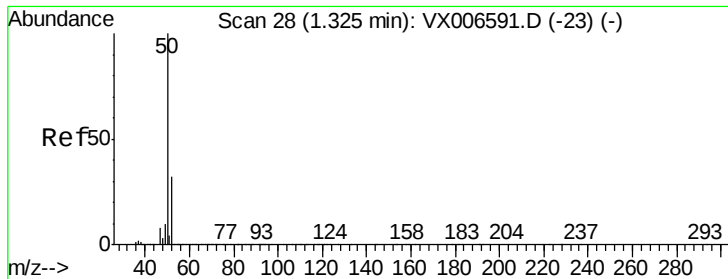
50000

0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 44.409 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX006831.D

Acq: 27 Dec 2018 10:01

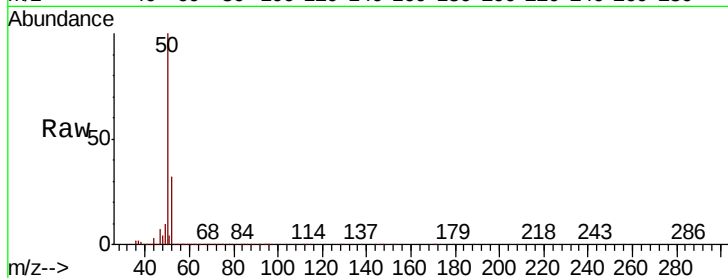
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 50 Resp: 267188

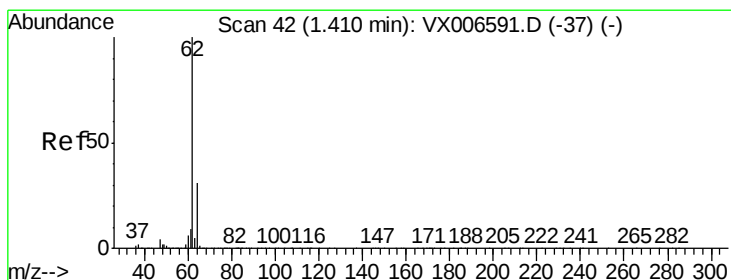
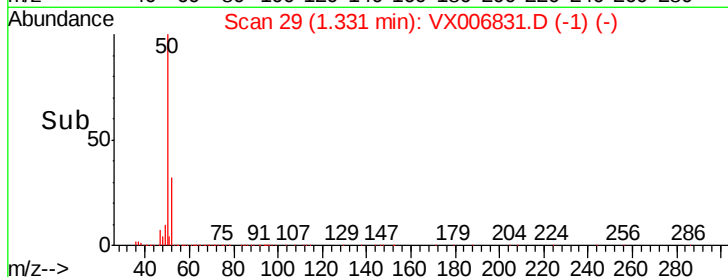
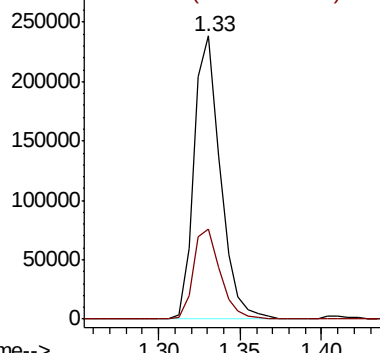
Ion Ratio Lower Upper

50 100

52 31.7 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VX0
Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 47.068 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX006831.D

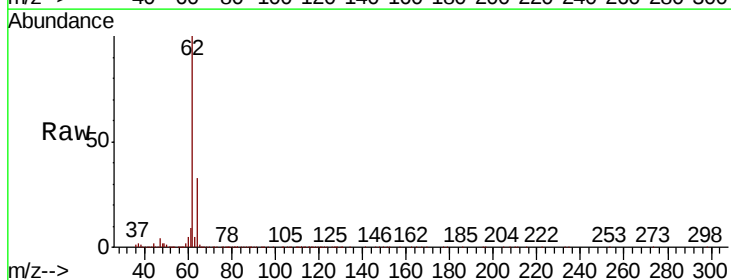
Acq: 27 Dec 2018 10:01

Tgt Ion: 62 Resp: 295759

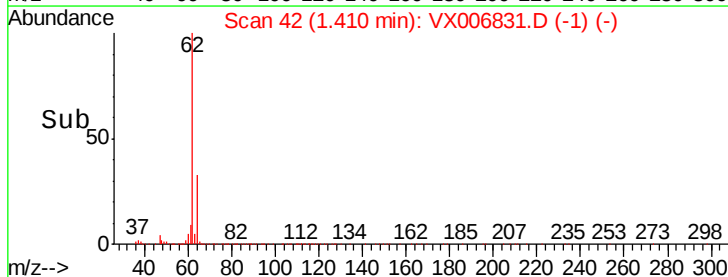
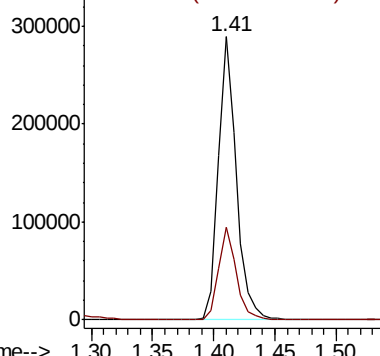
Ion Ratio Lower Upper

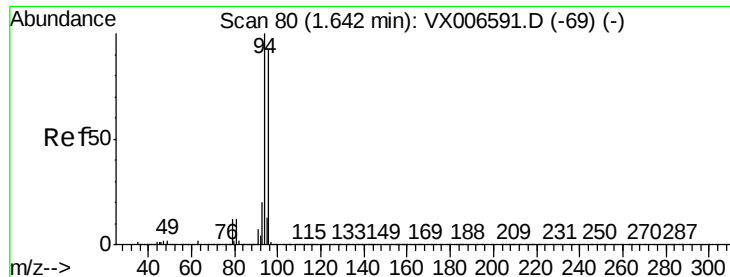
62 100

64 32.7 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 43.849 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006831.D

Acq: 27 Dec 2018 10:01

Instrument :

MSVOA_X

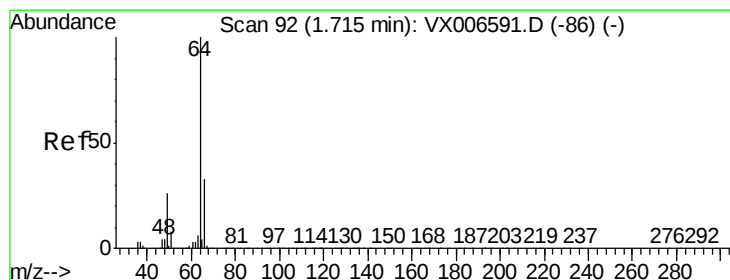
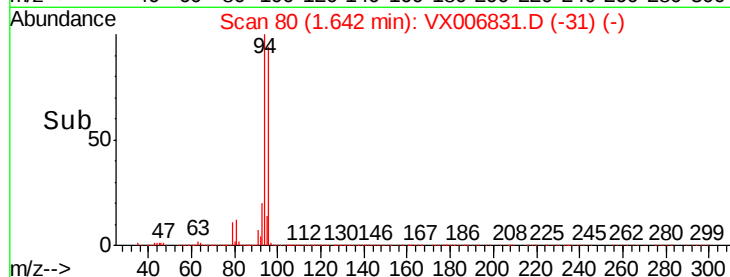
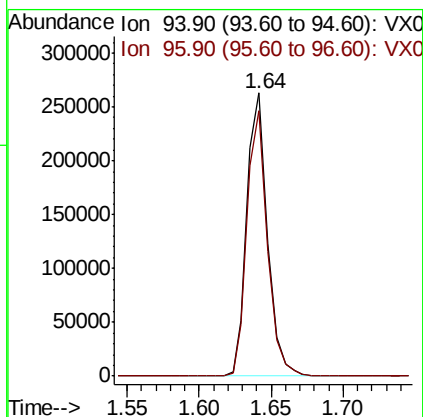
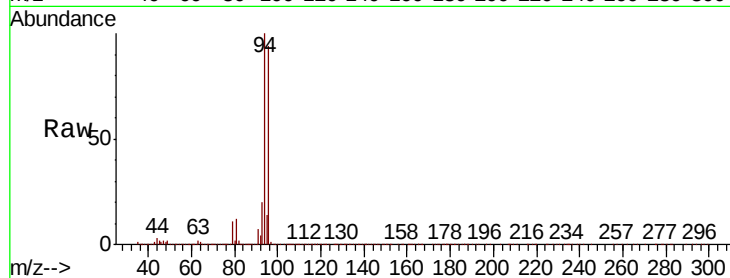
ClientSampleId :

Tot Ion: 94 Resp: 258511

Ion Ratio Lower Upper

94 100

96 93.7 73.4 110.2



#6

Chloroethane

Concen: 44.154 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX006831.D

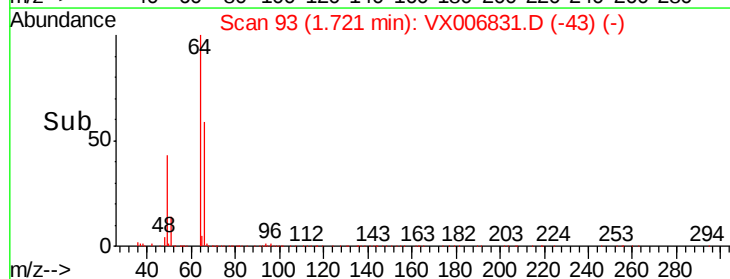
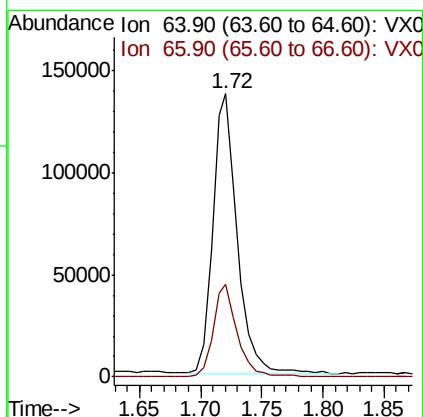
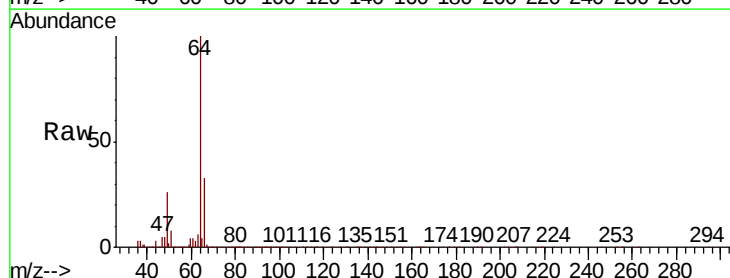
Acq: 27 Dec 2018 10:01

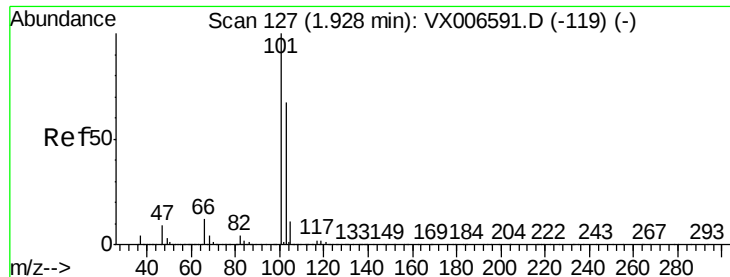
Tgt Ion: 64 Resp: 192111

Ion Ratio Lower Upper

64 100

66 33.0 26.4 39.6



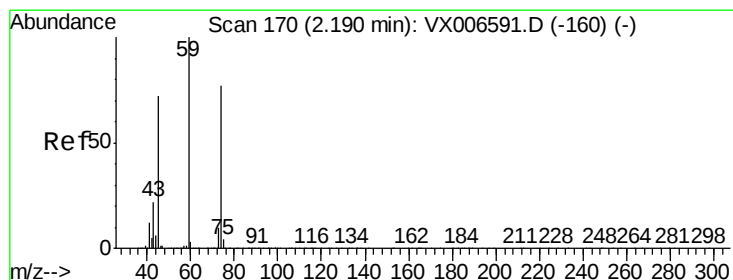
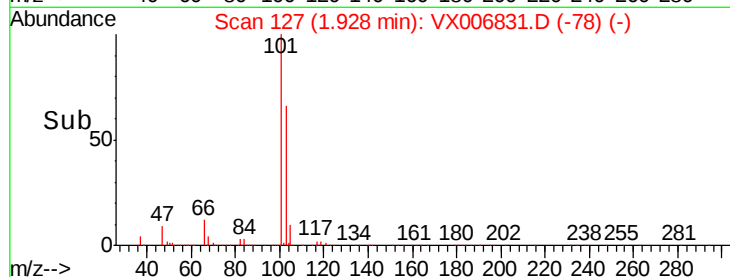
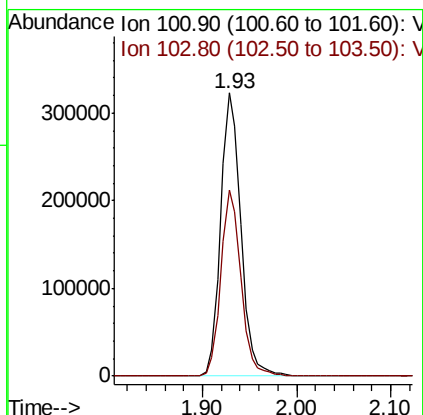
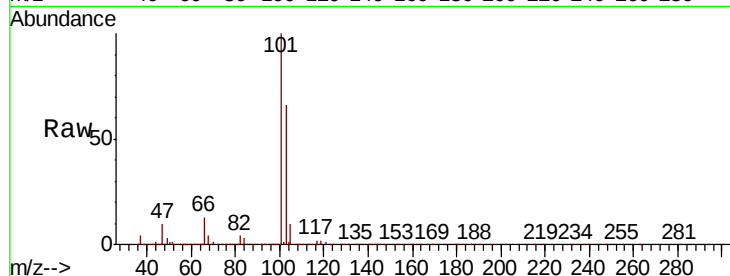


#7

Trichlorofluoromethane
Concen: 49.280 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX006831.D
Acq: 27 Dec 2018 10:01

Instrument :
MSVOA_X
ClientSampleId :

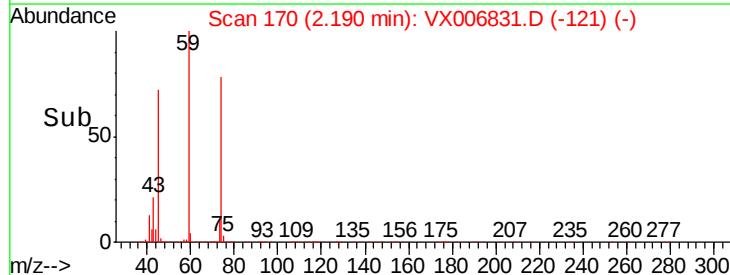
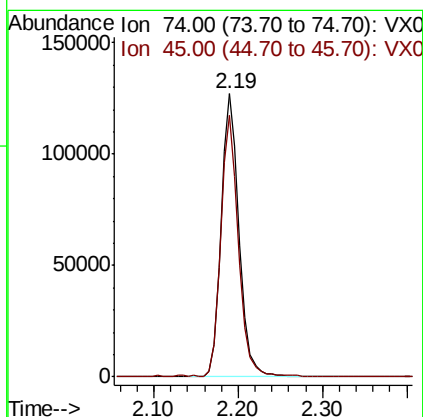
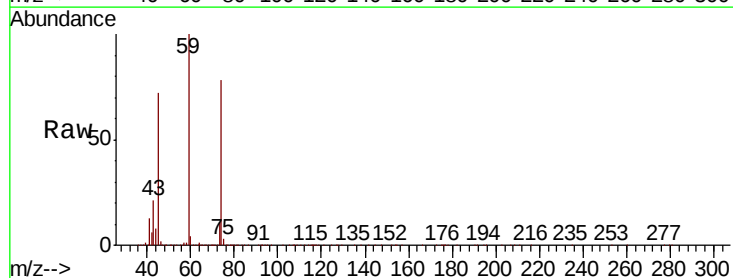
Tot Ion:101 Resp: 482782
Ion Ratio Lower Upper
101 100
103 65.8 53.2 79.8

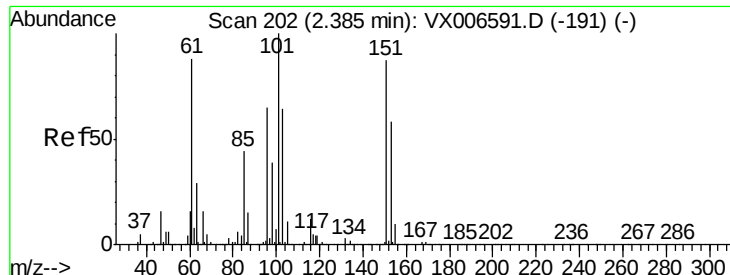


#8

Diethyl Ether
Concen: 47.806 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX006831.D
Acq: 27 Dec 2018 10:01

Tgt Ion: 74 Resp: 186020
Ion Ratio Lower Upper
74 100
45 90.4 46.3 138.9

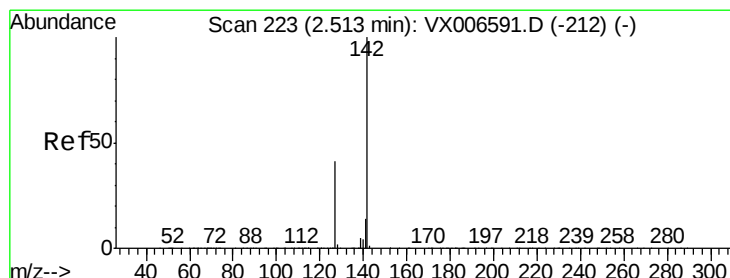
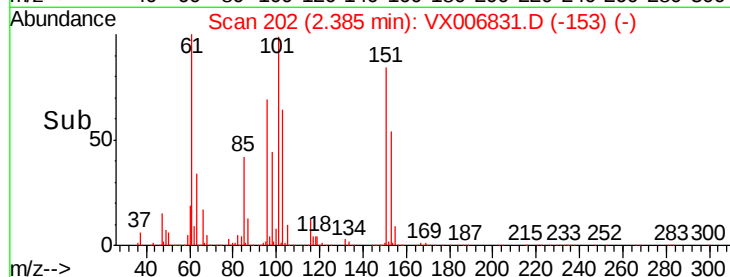
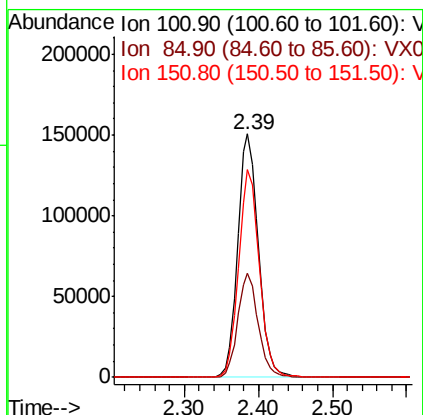
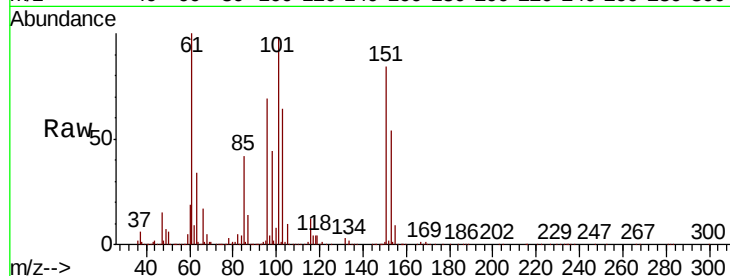




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 51.015 ug/l
 RT: 2.39 min Scan# 202
 Delta R.T. -0.00 min
 Lab File: VX006831.D
 Acq: 27 Dec 2018 10:01

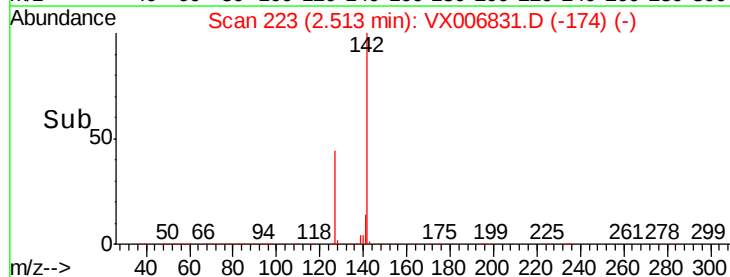
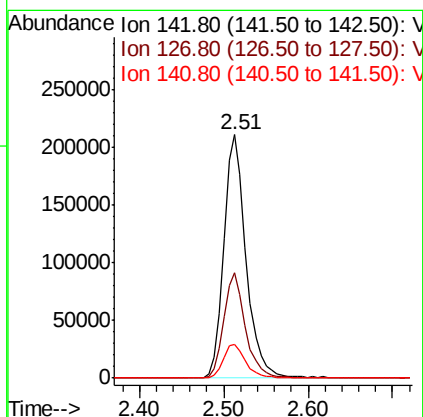
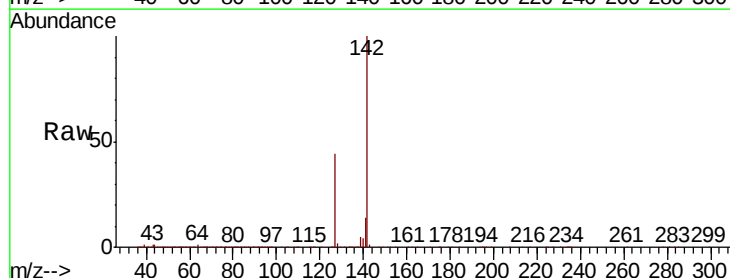
Instrument :
 MSVOA_X
 ClientSampleId :

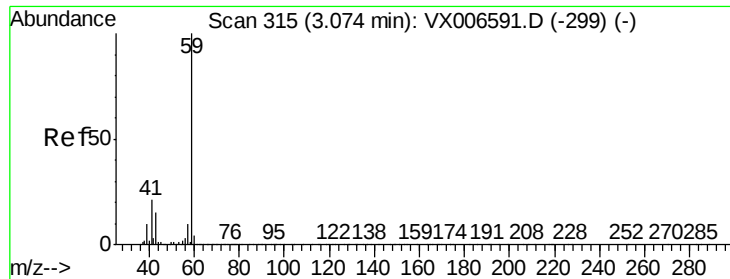
Tot Ion	Ratio	Lower	Upper
101	100		
85	42.6	35.1	52.7
151	85.5	68.9	103.3



#10
 Methyl Iodide
 Concen: 46.303 ug/l
 RT: 2.51 min Scan# 223
 Delta R.T. -0.00 min
 Lab File: VX006831.D
 Acq: 27 Dec 2018 10:01

Tgt Ion	Ratio	Lower	Upper
142	100		
127	42.2	33.9	50.9
141	14.2	11.4	17.0



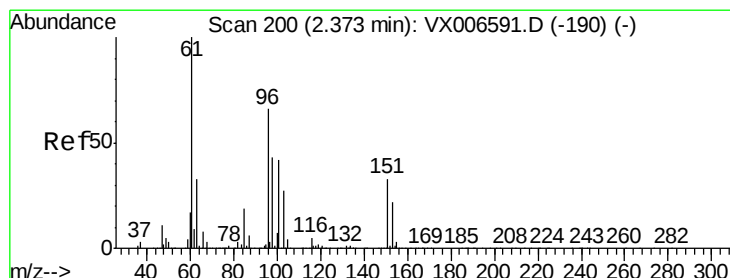
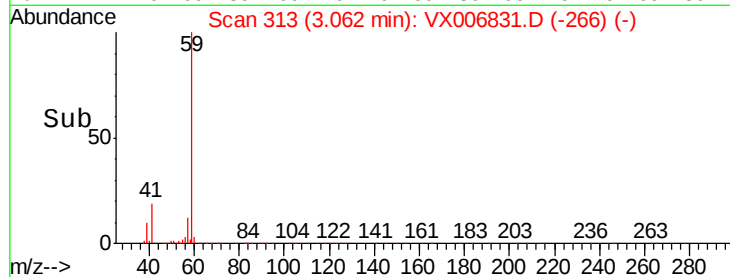
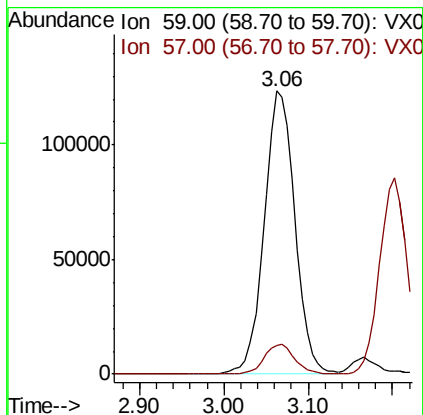
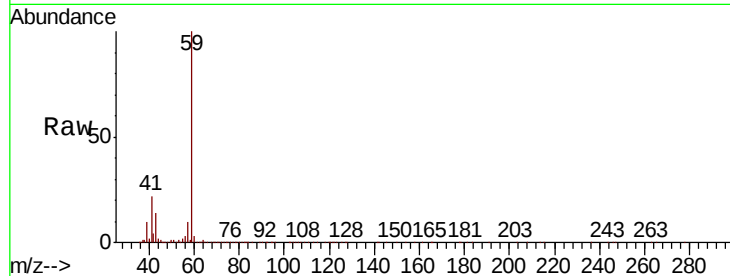


#11

Tert butyl alcohol
Concen: 212.139 ug/l
RT: 3.06 min Scan# 313
Delta R.T. -0.01 min
Lab File: VX006831.D
Acq: 27 Dec 2018 10:01

Instrument :
MSVOA_X
ClientSampled :

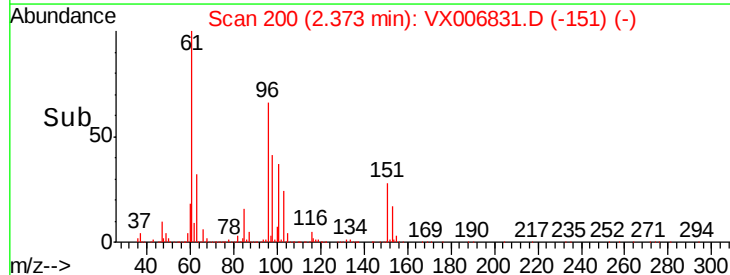
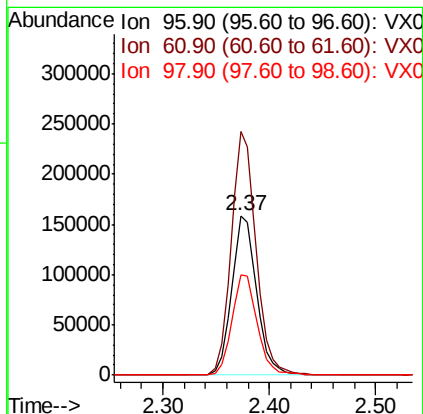
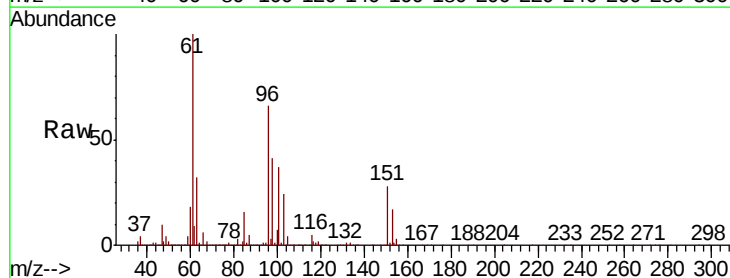
Tot Ion: 59 Resp: 311481
Ion Ratio Lower Upper
59 100
57 10.7 8.5 12.7

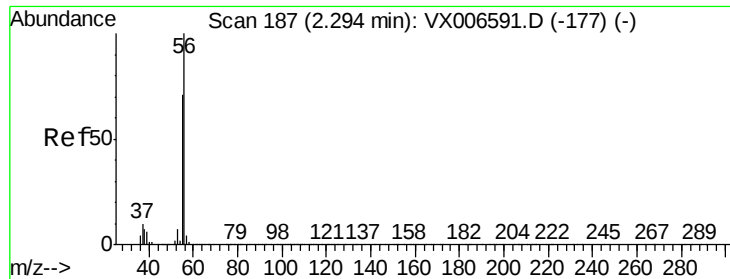


#12

1,1-Dichloroethene
Concen: 47.799 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX006831.D
Acq: 27 Dec 2018 10:01

Tgt Ion: 96 Resp: 260706
Ion Ratio Lower Upper
96 100
61 152.3 121.4 182.2
98 62.8 51.9 77.9

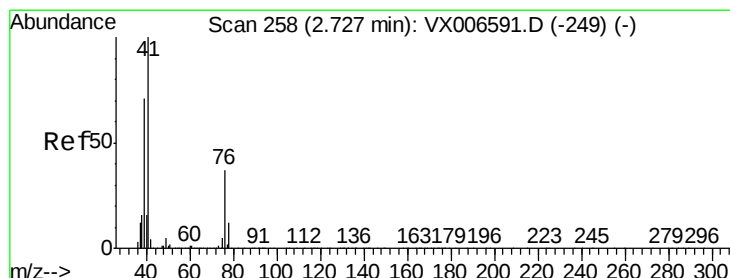
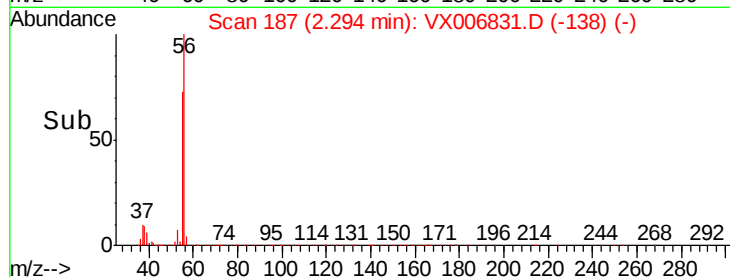
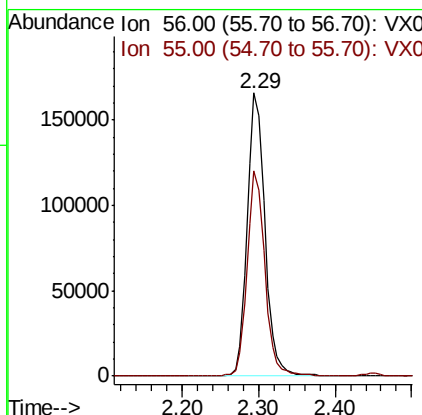
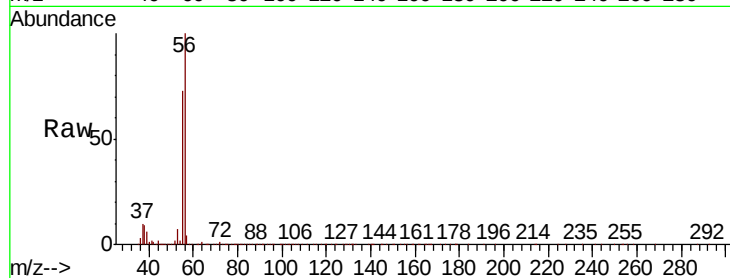




#13
Acrolein
Concen: 270.442 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX006831.D
Acq: 27 Dec 2018 10:01

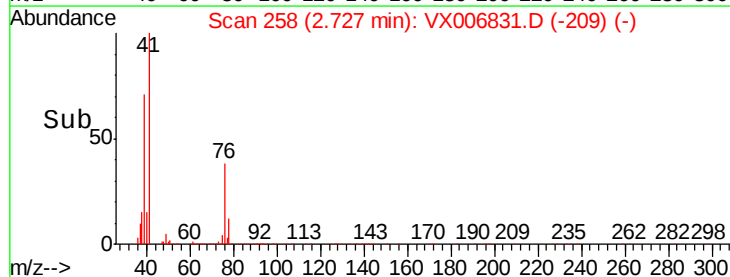
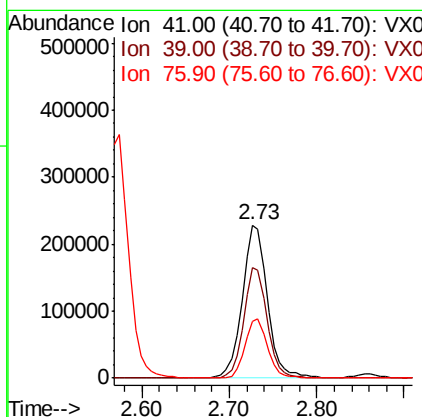
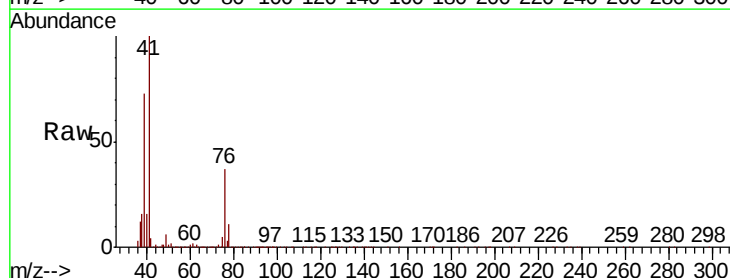
Instrument :
MSVOA_X
ClientSampleId :

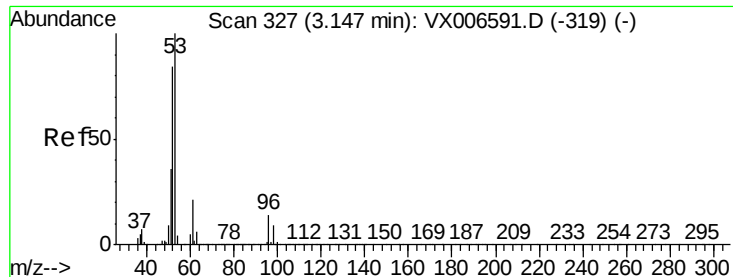
Tot Ion: 56 Resp: 267877
Ion Ratio Lower Upper
56 100
55 72.0 58.2 87.4



#14
Allyl chloride
Concen: 49.151 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX006831.D
Acq: 27 Dec 2018 10:01

Tgt Ion: 41 Resp: 451243
Ion Ratio Lower Upper
41 100
39 67.0 53.6 80.4
76 34.7 27.4 41.2





#15

Acrylonitrile

Concen: 242.363 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX006831.D

Acq: 27 Dec 2018 10:01

Instrument :
MSVOA_X
ClientSampled :

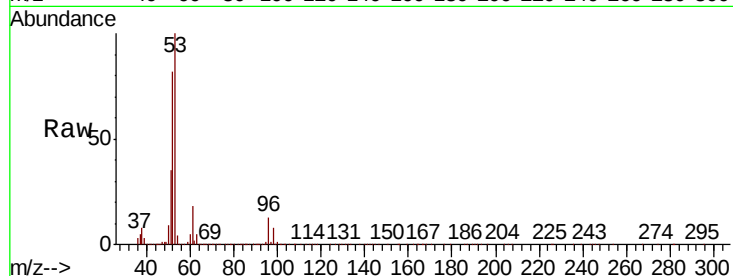
Tot Ion: 53 Resp: 790118

Ion Ratio Lower Upper

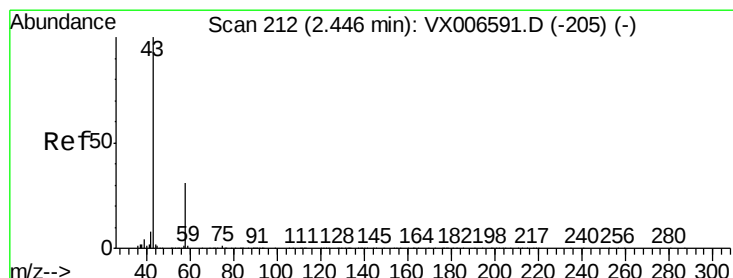
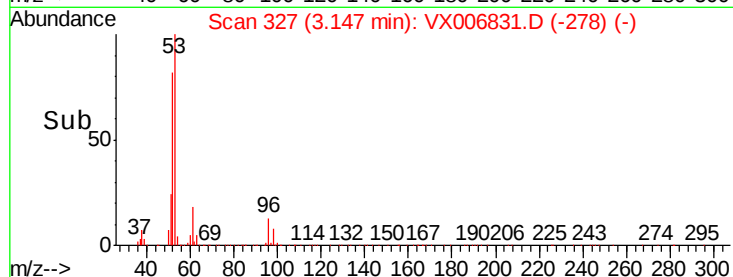
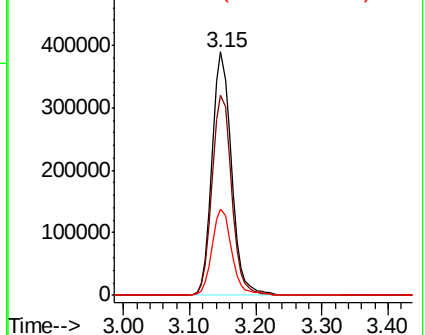
53 100

52 83.1 66.0 99.0

51 35.7 28.6 42.8



Abundance Ion 53.00 (52.70 to 53.70): VX0
Ion 52.00 (51.70 to 52.70): VX0
Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 290.307 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX006831.D

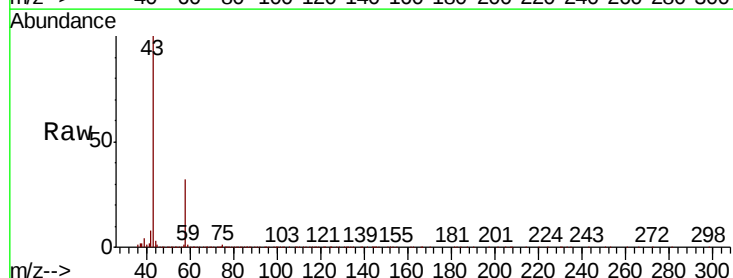
Acq: 27 Dec 2018 10:01

Tgt Ion: 43 Resp: 877502

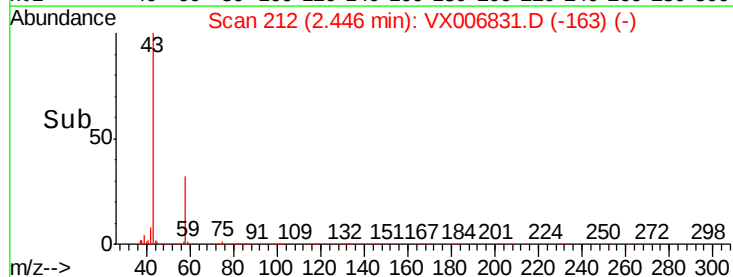
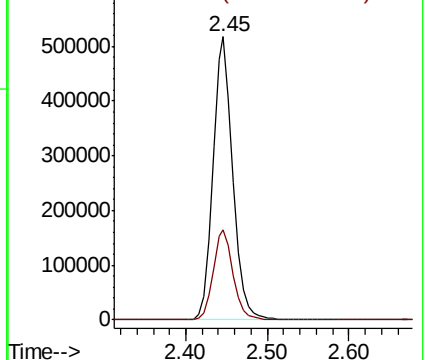
Ion Ratio Lower Upper

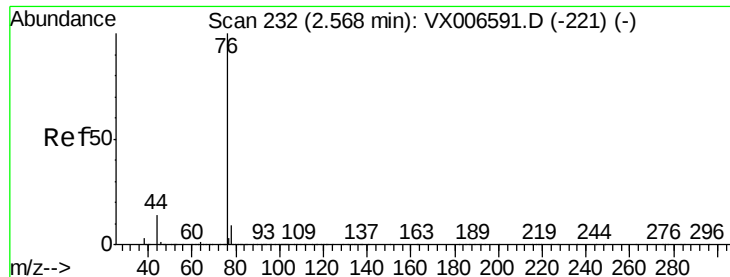
43 100

58 32.0 25.0 37.6



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





#17

Carbon Disulfide

Concen: 42.577 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX006831.D

Acq: 27 Dec 2018 10:01

Instrument :

MSVOA_X

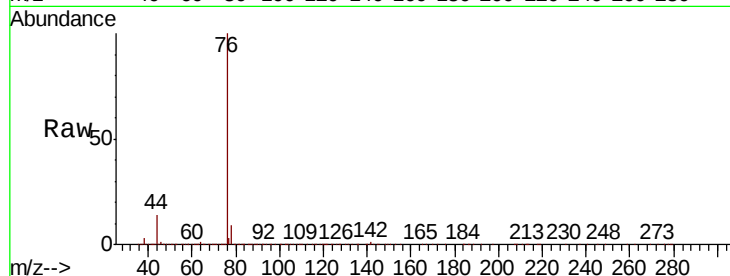
ClientSampleId :

Tot Ion: 76 Resp: 614543

Ion Ratio Lower Upper

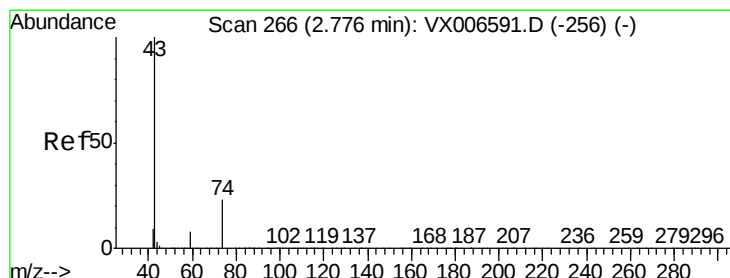
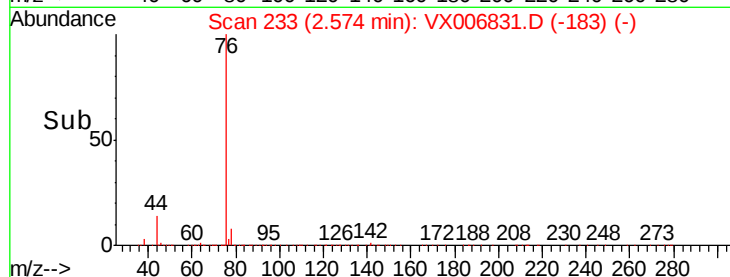
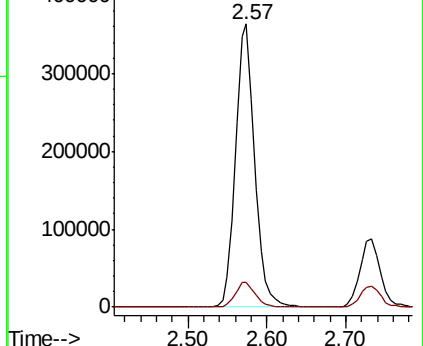
76 100

78 8.5 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 52.190 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX006831.D

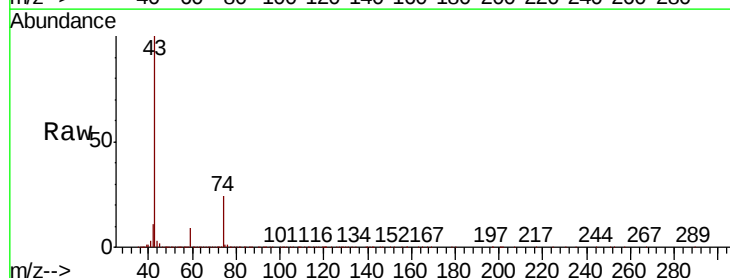
Acq: 27 Dec 2018 10:01

Tgt Ion: 43 Resp: 463870

Ion Ratio Lower Upper

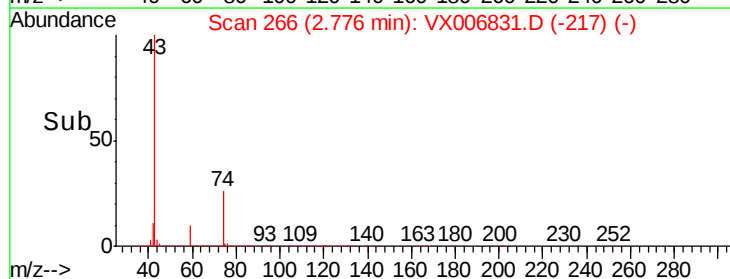
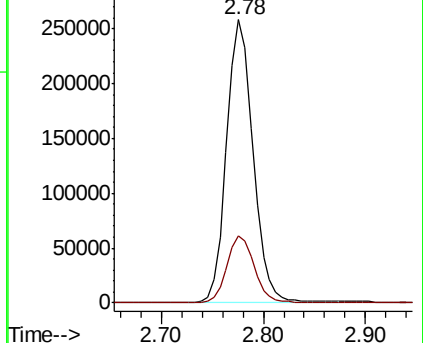
43 100

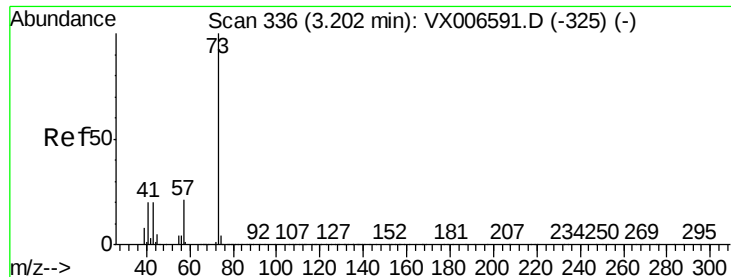
74 24.7 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



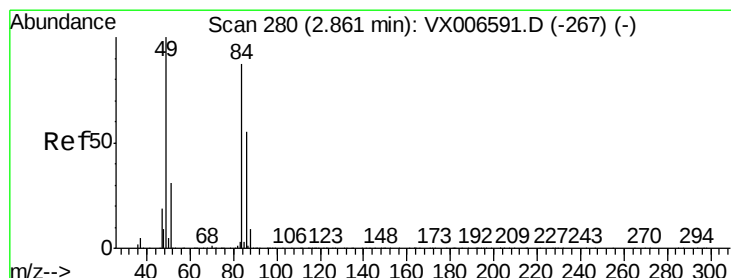
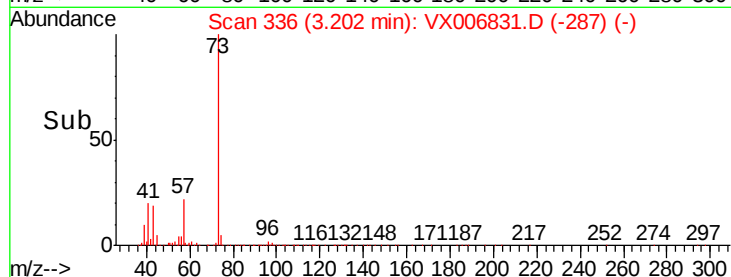
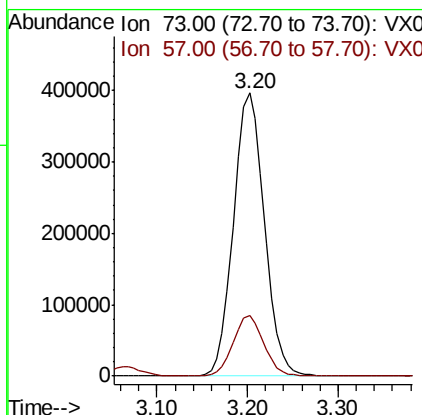
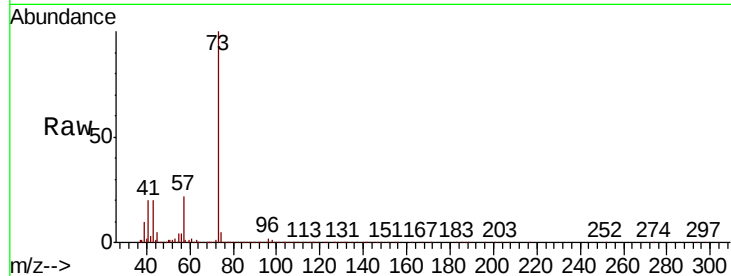


#19

Methyl tert-butyl Ether
 Concen: 51.898 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. -0.00 min
 Lab File: VX006831.D
 Acq: 27 Dec 2018 10:01

Instrument :
 MSVOA_X
 ClientSampleId :

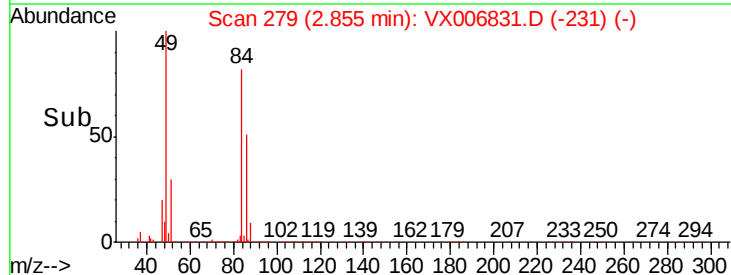
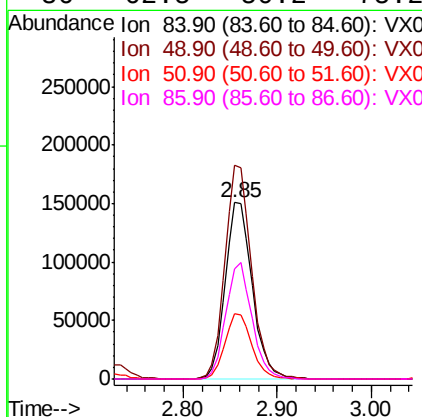
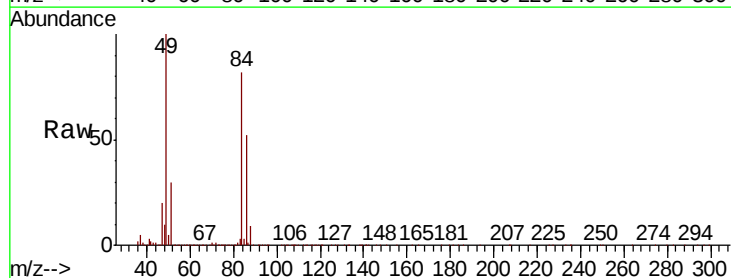
Tot Ion: 73 Resp: 939488
 Ion Ratio Lower Upper
 73 100
 57 21.5 16.8 25.2

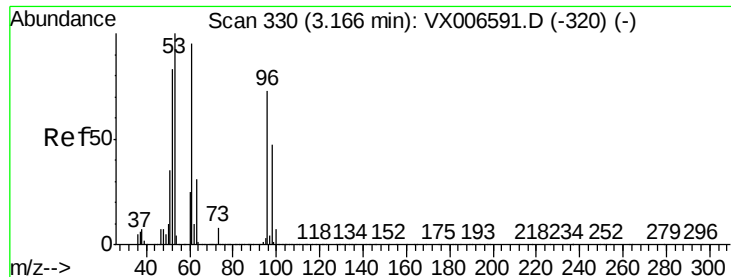


#20

Methylene Chloride
 Concen: 48.155 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. -0.01 min
 Lab File: VX006831.D
 Acq: 27 Dec 2018 10:01

Tgt Ion: 84 Resp: 300988
 Ion Ratio Lower Upper
 84 100
 49 121.2 91.8 137.6
 51 36.7 28.5 42.7
 86 62.5 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 46.236 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX006831.D

Acq: 27 Dec 2018 10:01

Instrument :

MSVOA_X

ClientSampleId :

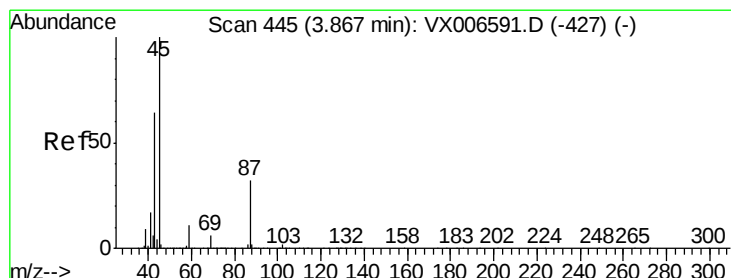
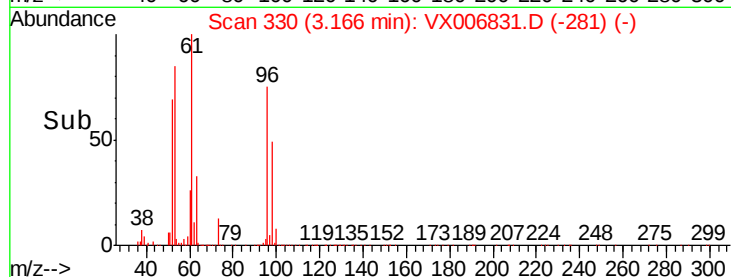
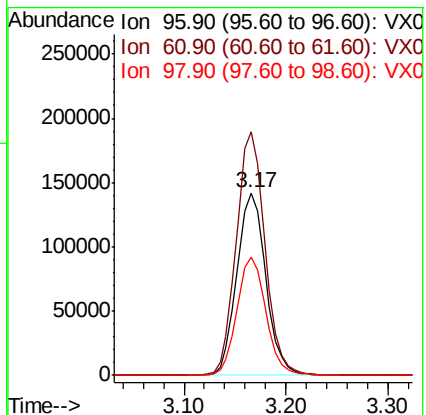
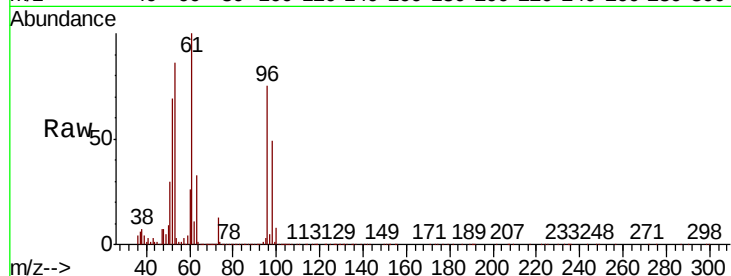
Tot Ion: 96 Resp: 279416

Ion Ratio Lower Upper

96 100

61 133.3 103.7 155.5

98 65.0 51.0 76.6



#22

Diisopropyl ether

Concen: 54.745 ug/l

RT: 3.87 min Scan# 445

Delta R.T. -0.00 min

Lab File: VX006831.D

Acq: 27 Dec 2018 10:01

Tgt Ion: 45 Resp: 919469

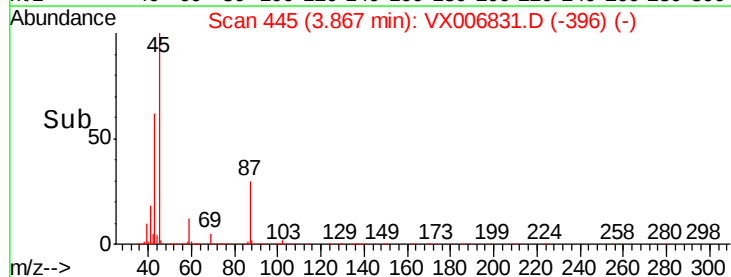
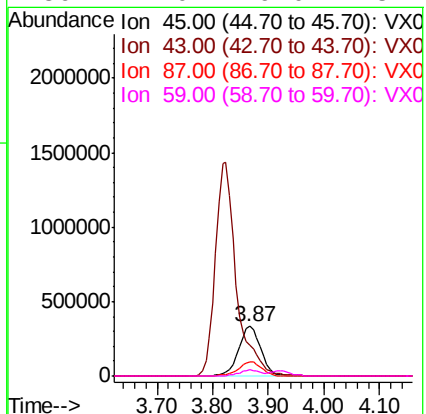
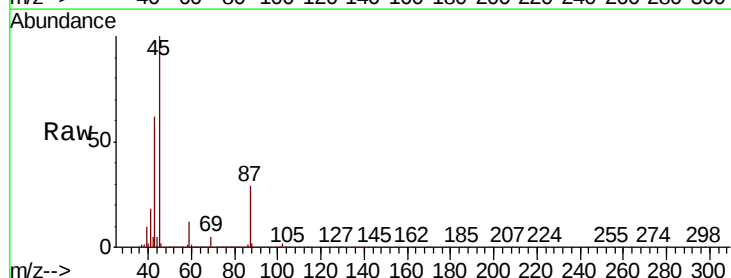
Ion Ratio Lower Upper

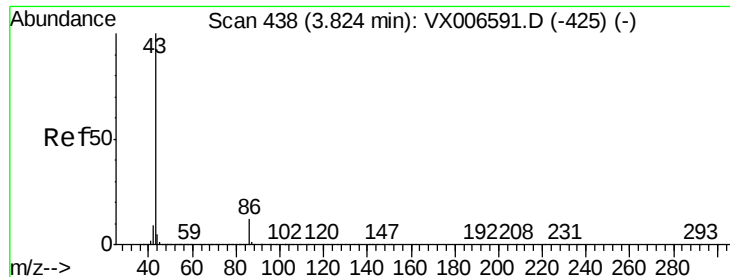
45 100

43 62.3 51.2 76.8

87 29.4 25.8 38.6

59 12.0 9.0 13.4

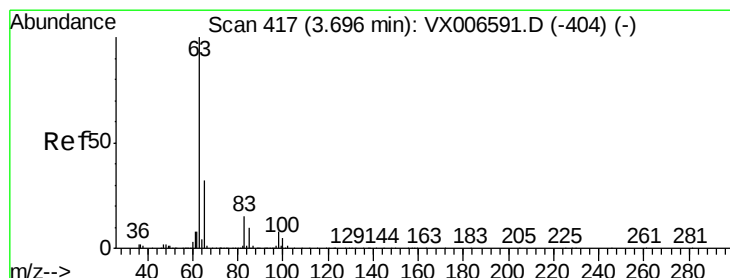
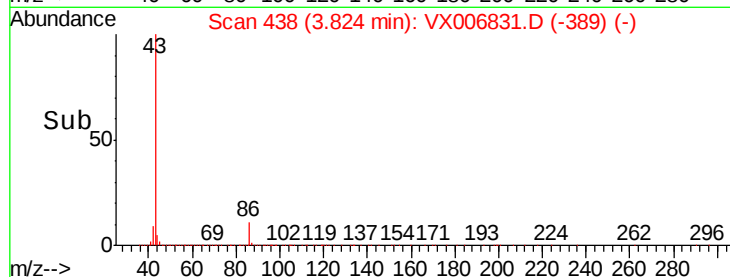
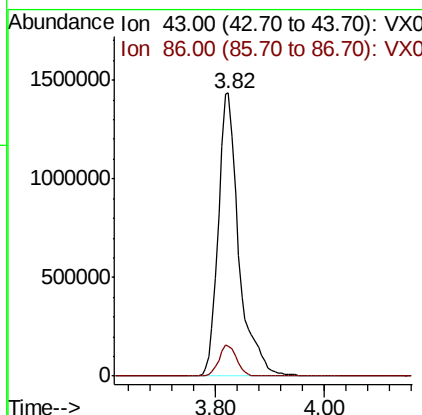
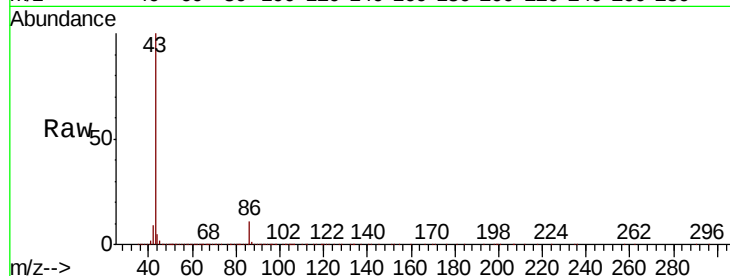




#23
 Vinyl Acetate
 Concen: 274.811 ug/l
 RT: 3.82 min Scan# 438
 Delta R.T. -0.00 min
 Lab File: VX006831.D
 Acq: 27 Dec 2018 10:01

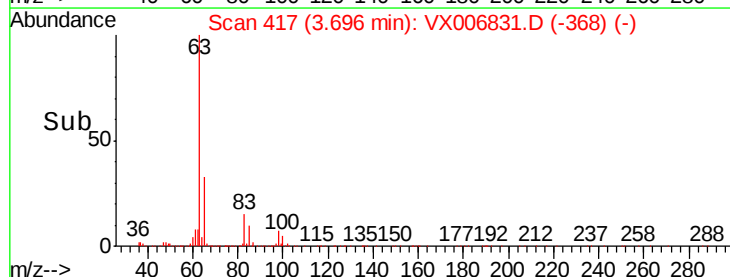
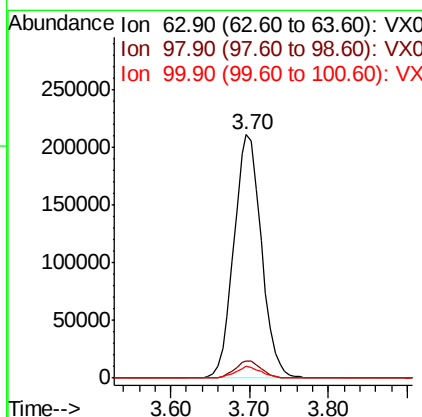
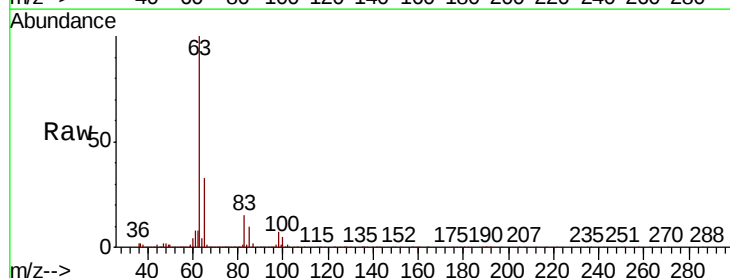
Instrument :
 MSVOA_X
 ClientSampleId :

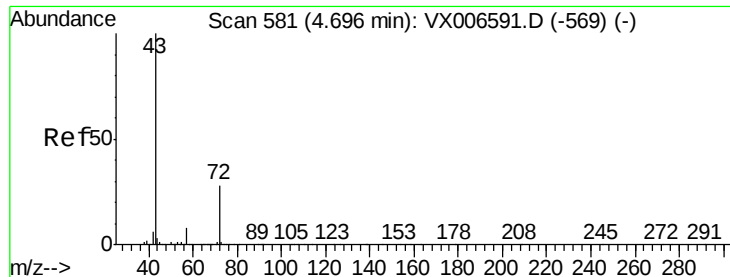
Tot Ion: 43 Resp: 3775402
 Ion Ratio Lower Upper
 43 100
 86 10.7 9.2 13.8



#24
 1,1-Dichloroethane
 Concen: 51.080 ug/l
 RT: 3.70 min Scan# 417
 Delta R.T. -0.00 min
 Lab File: VX006831.D
 Acq: 27 Dec 2018 10:01

Tgt Ion: 63 Resp: 512133
 Ion Ratio Lower Upper
 63 100
 98 7.1 3.9 11.5
 100 4.8 2.4 7.2

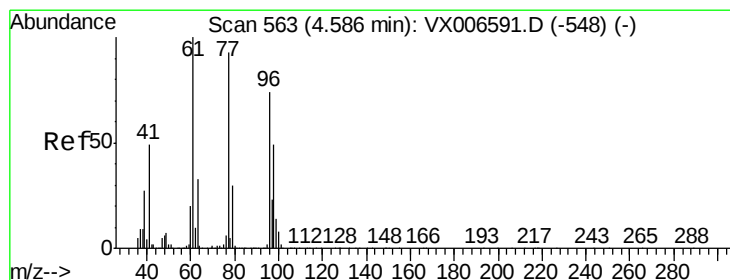
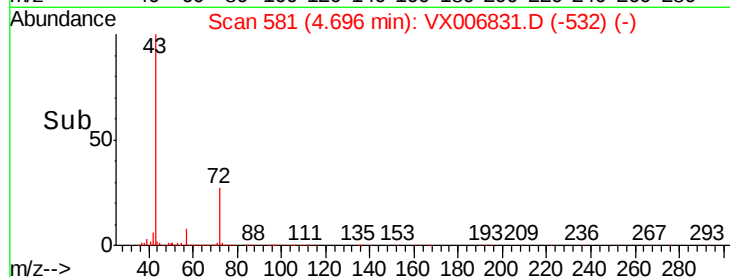
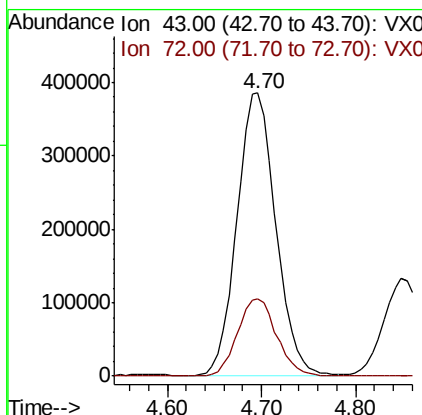
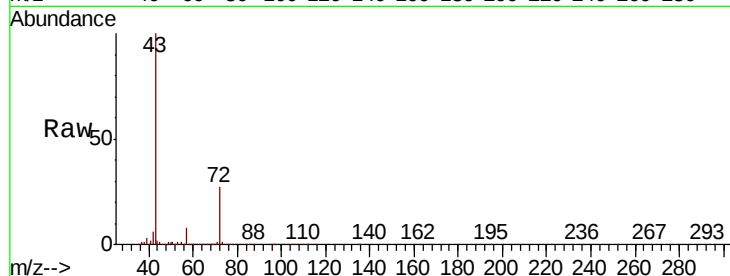




#25
2-Butanone
Concen: 260.439 ug/l
RT: 4.70 min Scan# 581
Delta R.T. -0.00 min
Lab File: VX006831.D
Acq: 27 Dec 2018 10:01

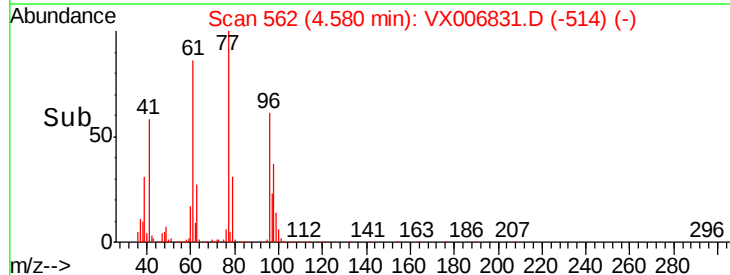
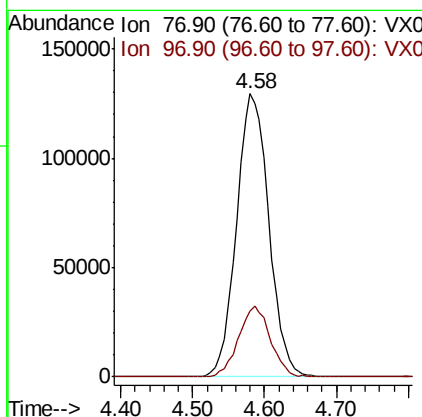
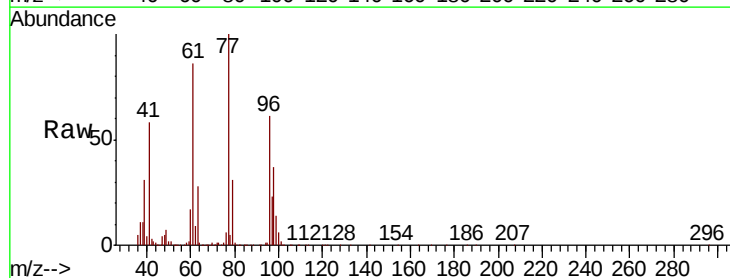
Instrument :
MSVOA_X
ClientSampled :

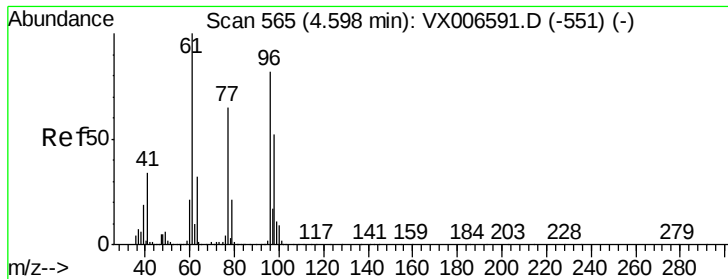
Tot Ion: 43 Resp: 1107325
Ion Ratio Lower Upper
43 100
72 27.2 22.4 33.6



#26
2,2-Dichloropropane
Concen: 51.994 ug/l
RT: 4.58 min Scan# 562
Delta R.T. -0.01 min
Lab File: VX006831.D
Acq: 27 Dec 2018 10:01

Tgt Ion: 77 Resp: 402685
Ion Ratio Lower Upper
77 100
97 24.8 12.4 37.4



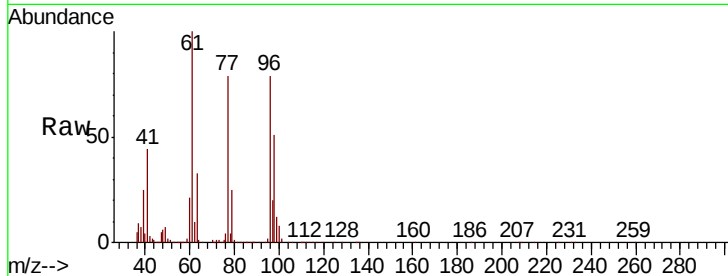


#27

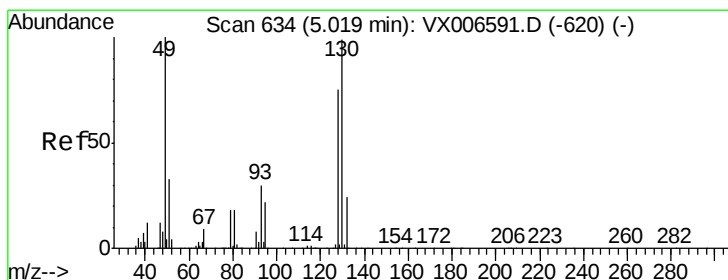
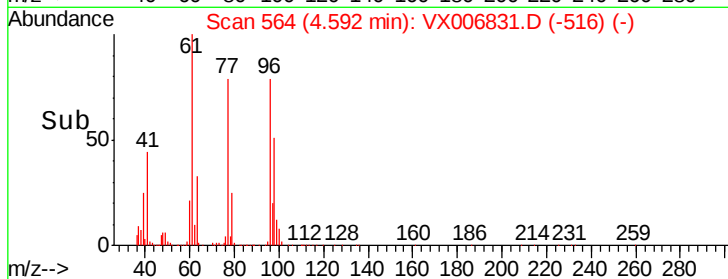
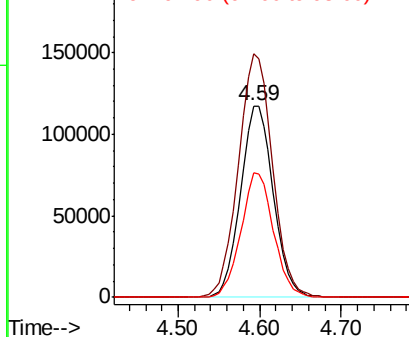
cis-1,2-Dichloroethene
 Concen: 49.281 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VX006831.D
 Acq: 27 Dec 2018 10:01

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.7	0.0	258.6
98	64.2	0.0	132.0



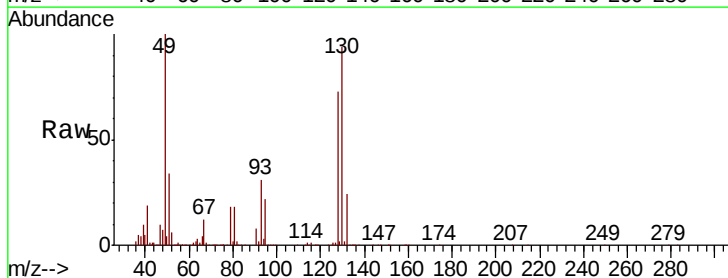
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



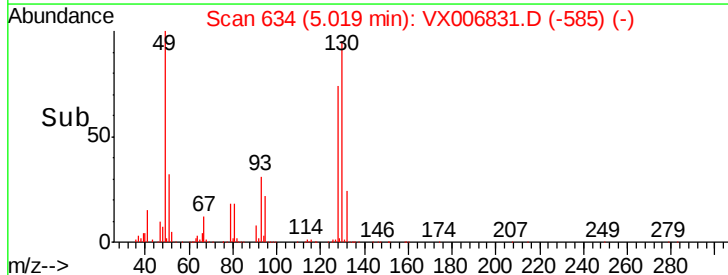
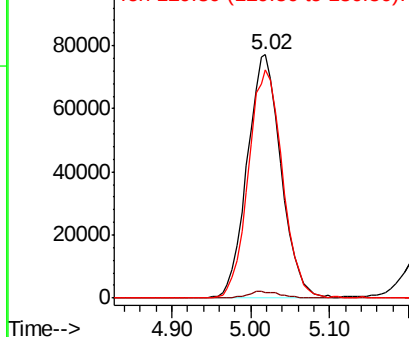
#28

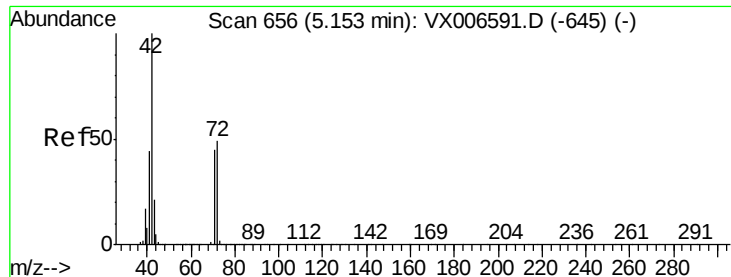
Bromochloromethane
 Concen: 54.461 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. 0.00 min
 Lab File: VX006831.D
 Acq: 27 Dec 2018 10:01

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	5.4
130	94.2	77.7	116.5



Abundance Ion 48.90 (48.60 to 49.60): VX0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 237.212 ug/l

RT: 5.15 min Scan# 655

Delta R.T. -0.01 min

Lab File: VX006831.D

Acq: 27 Dec 2018 10:01

Instrument :
MSVOA_X
ClientSampleId :

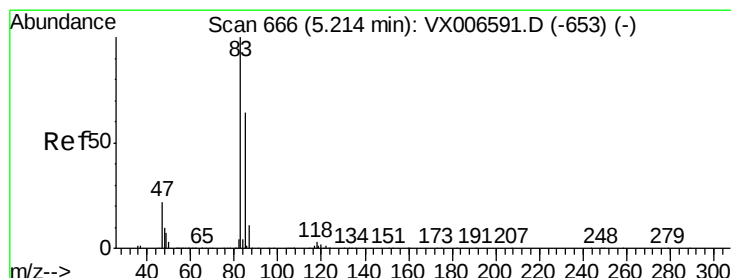
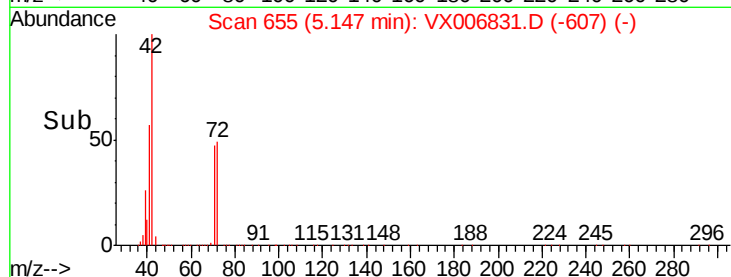
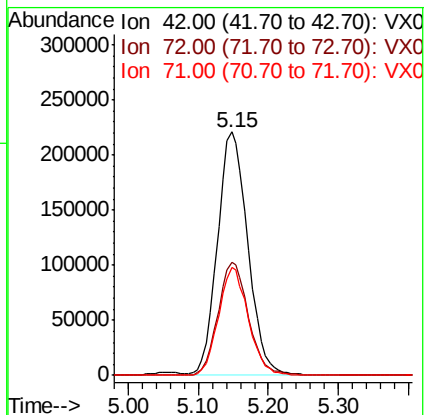
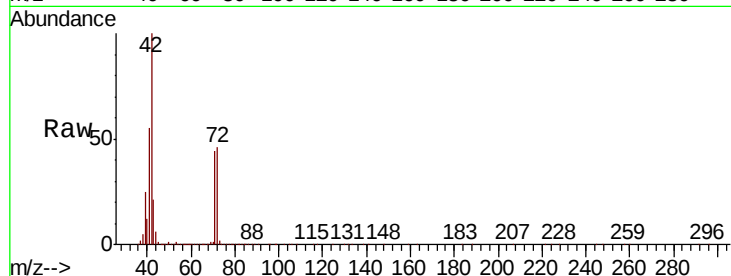
Tot Ion: 42 Resp: 664276

Ion Ratio Lower Upper

42 100

72 46.8 38.9 58.3

71 43.5 36.2 54.4



#30

Chloroform

Concen: 49.982 ug/l

RT: 5.21 min Scan# 666

Delta R.T. -0.00 min

Lab File: VX006831.D

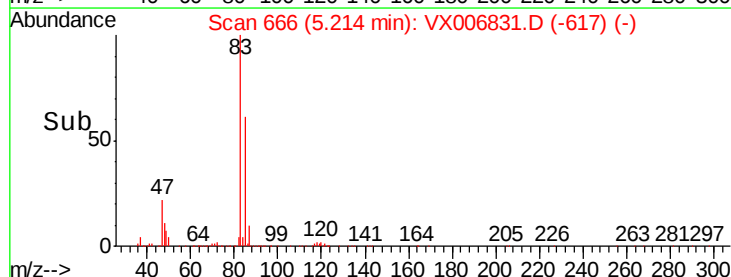
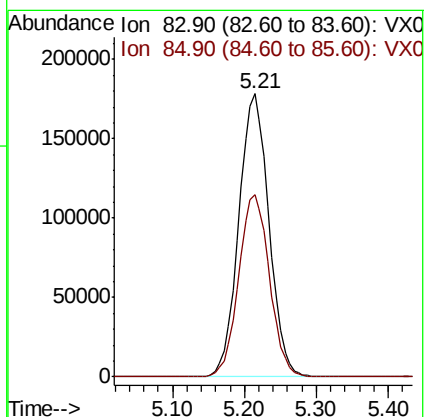
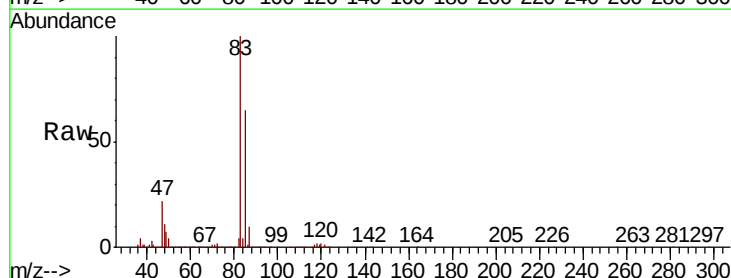
Acq: 27 Dec 2018 10:01

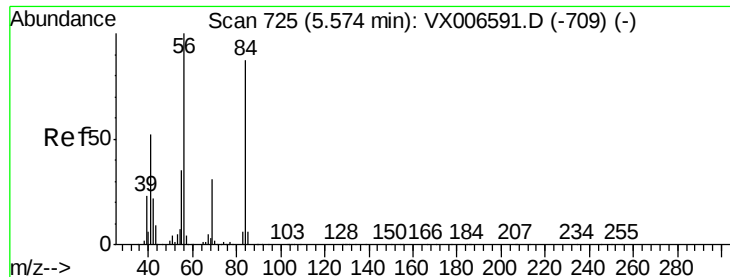
Tgt Ion: 83 Resp: 518948

Ion Ratio Lower Upper

83 100

85 64.6 51.2 76.8

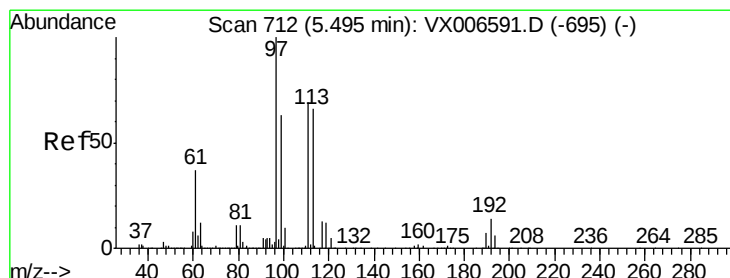
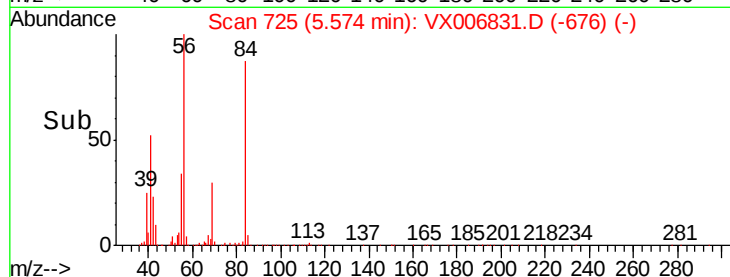
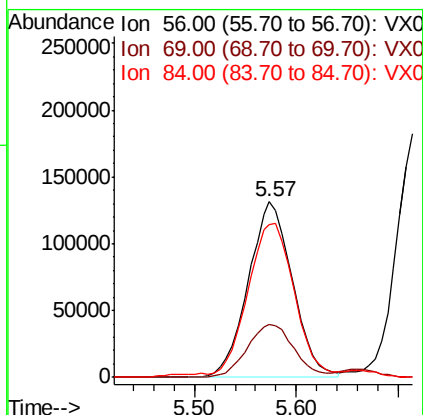
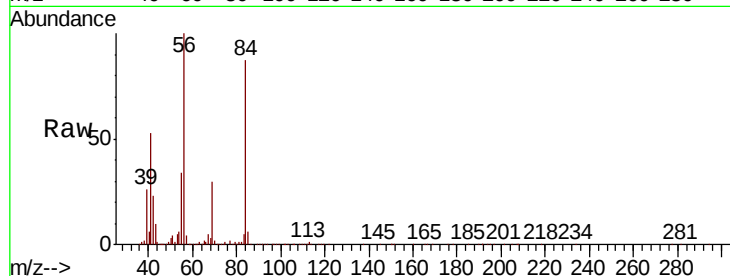




#31
Cyclohexane
Concen: 43.221 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX006831.D
Acq: 27 Dec 2018 10:01

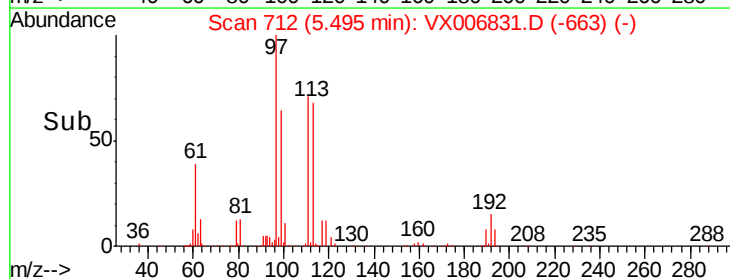
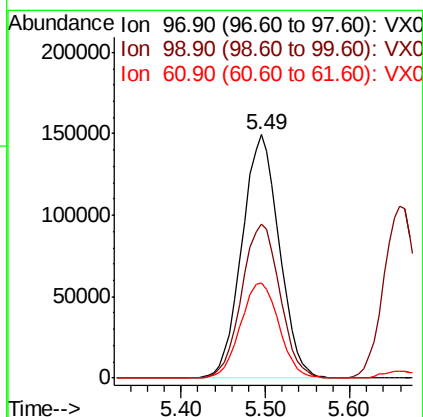
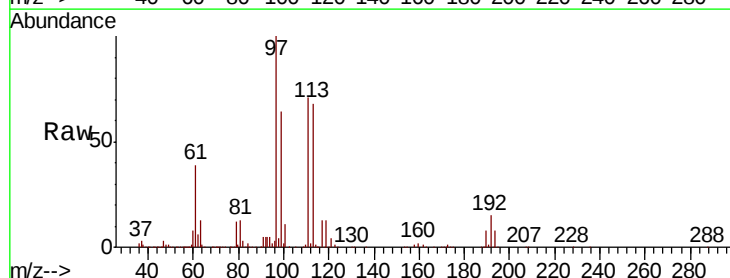
Instrument :
MSVOA_X
ClientSampleId :

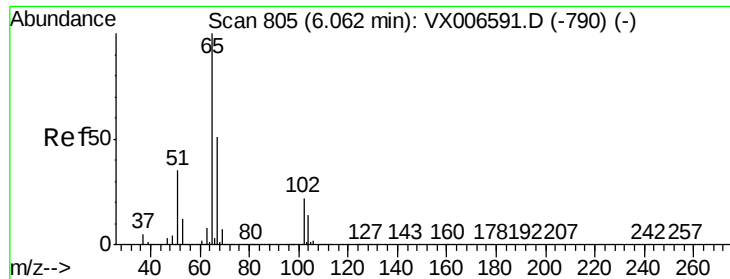
Tot Ion: 56 Resp: 393676
Ion Ratio Lower Upper
56 100
69 30.2 24.4 36.6
84 85.6 70.0 105.0



#32
1,1,1-Trichloroethane
Concen: 51.070 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX006831.D
Acq: 27 Dec 2018 10:01

Tgt Ion: 97 Resp: 447723
Ion Ratio Lower Upper
97 100
99 65.3 51.7 77.5
61 40.2 31.3 46.9





#33

1,2-Dichloroethane-d4

Concen: 49.323 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX006831.D

Acq: 27 Dec 2018 10:01

Instrument :

MSVOA_X

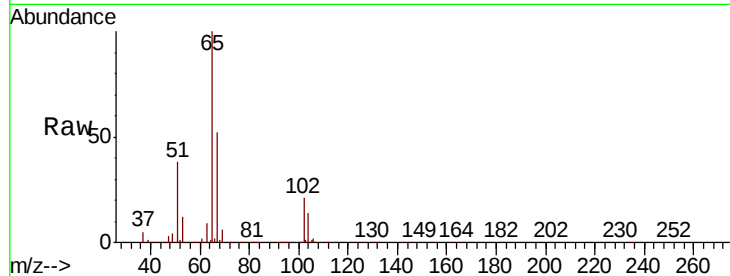
ClientSampled :

Tot Ion: 65 Resp: 324503

Ion Ratio Lower Upper

65 100

67 53.9 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

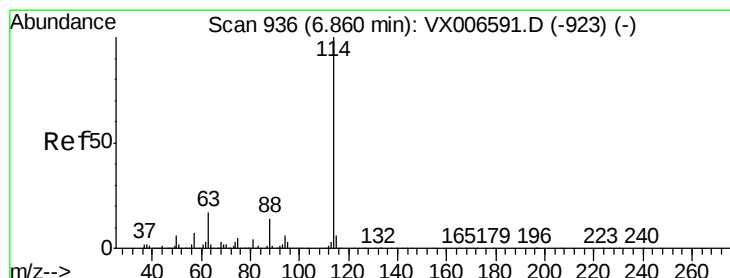
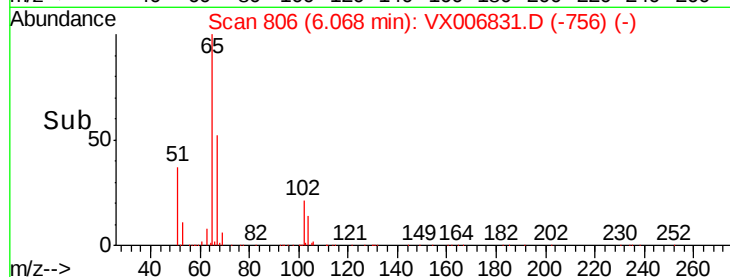
150000

100000

50000

0

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX006831.D

Acq: 27 Dec 2018 10:01

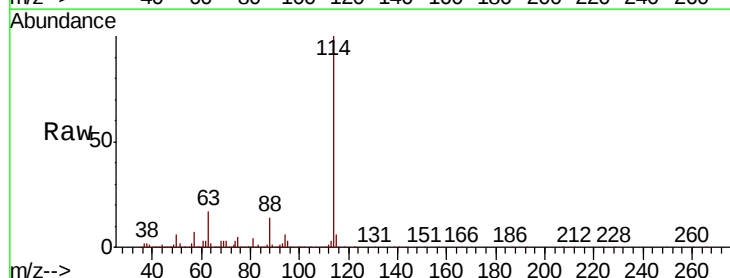
Tgt Ion: 114 Resp: 873509

Ion Ratio Lower Upper

114 100

63 17.2 0.0 34.8

88 14.4 0.0 28.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.86

500000

400000

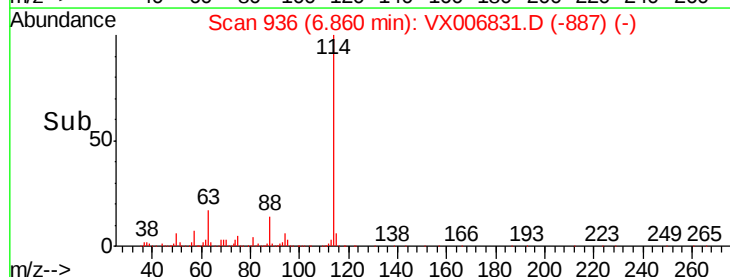
300000

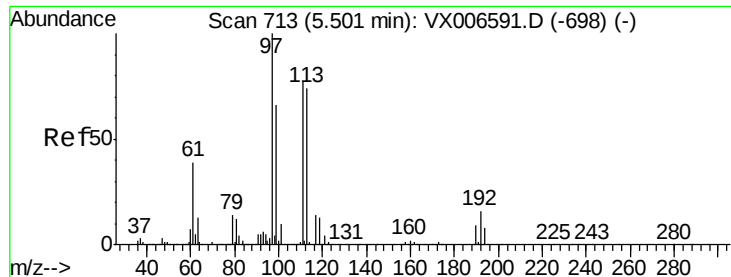
200000

100000

0

Time--> 6.70 6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 55.124 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX006831.D

Acq: 27 Dec 2018 10:01

Instrument :
MSVOA_X
ClientSampleId :

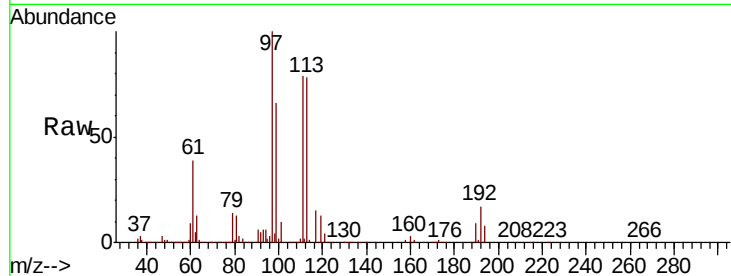
Tot Ion:113 Resp: 304501

Ion Ratio Lower Upper

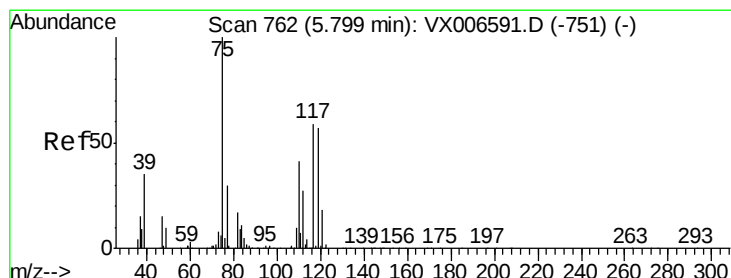
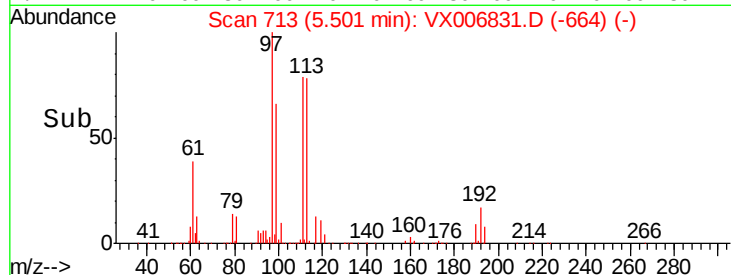
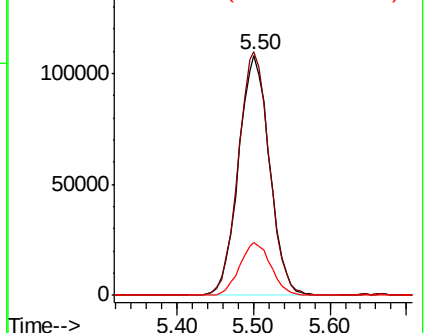
113 100

111 101.5 81.6 122.4

192 22.4 16.7 25.1



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 52.804 ug/l

RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

Lab File: VX006831.D

Acq: 27 Dec 2018 10:01

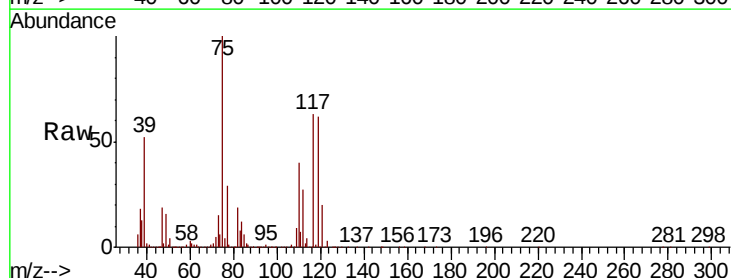
Tgt Ion: 75 Resp: 382019

Ion Ratio Lower Upper

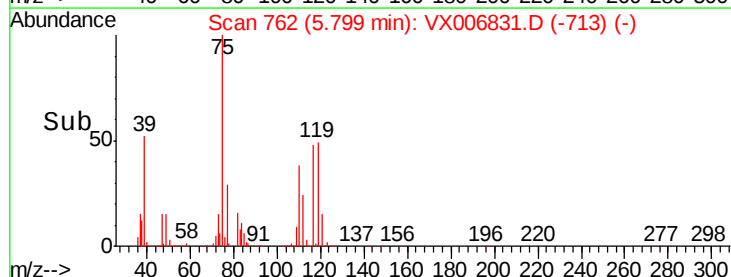
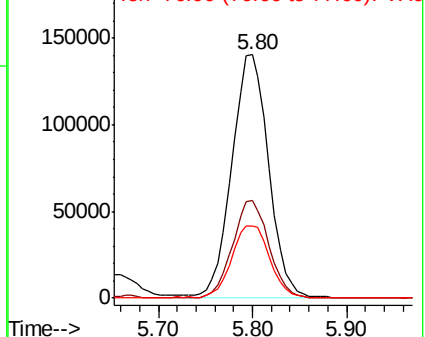
75 100

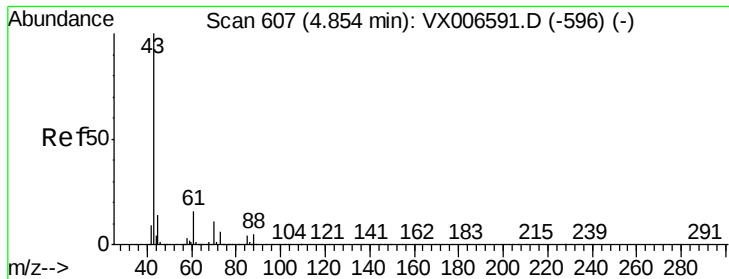
110 39.8 20.2 60.5

77 30.9 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VX0

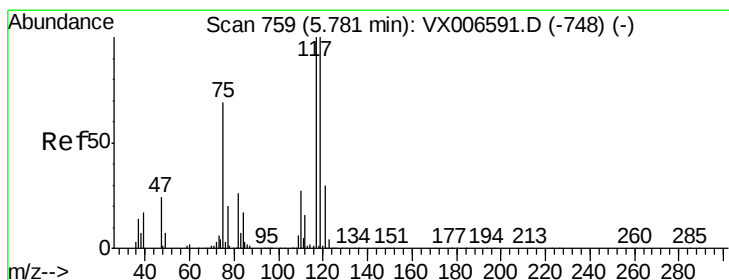
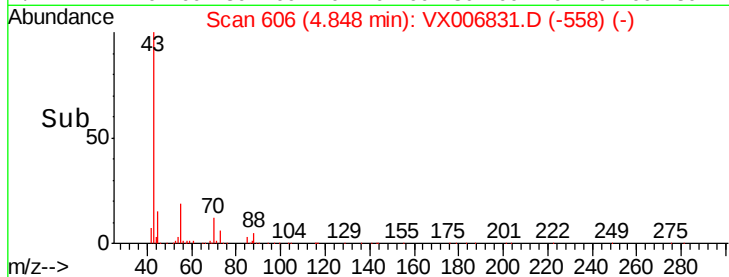
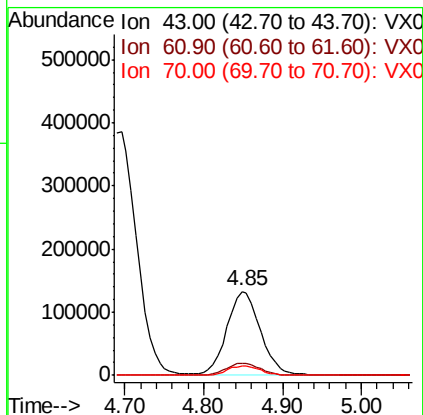
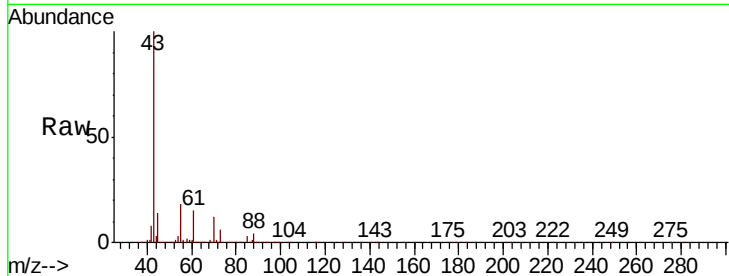




#37
Ethyl Acetate
Concen: 51.853 ug/l
RT: 4.85 min Scan# 606
Delta R.T. -0.01 min
Lab File: VX006831.D
Acq: 27 Dec 2018 10:01

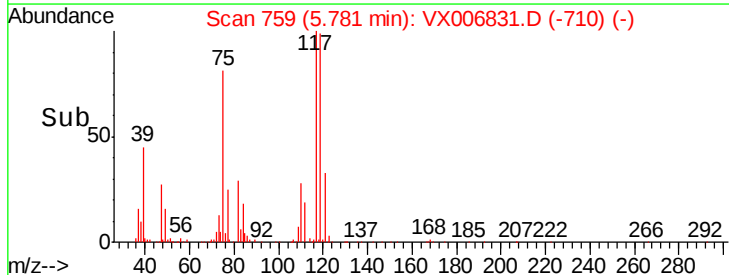
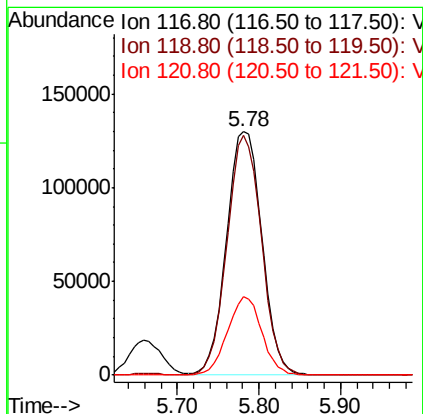
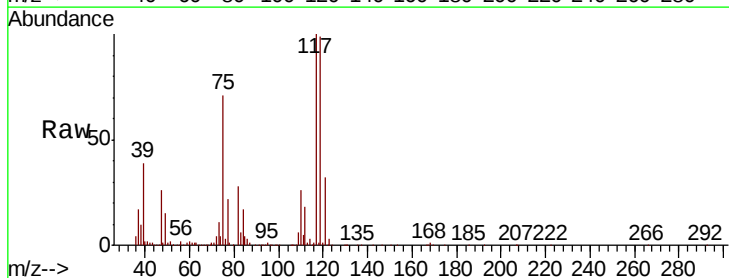
Instrument :
MSVOA_X
ClientSampled :

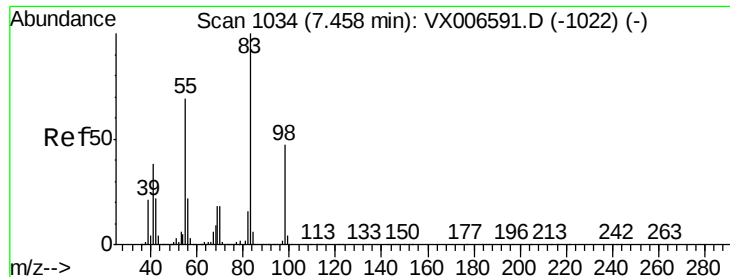
Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.9	17.9
70	11.1	9.7	14.5



#38
Carbon Tetrachloride
Concen: 55.273 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX006831.D
Acq: 27 Dec 2018 10:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.7	79.4	119.2
121	32.2	24.0	36.0

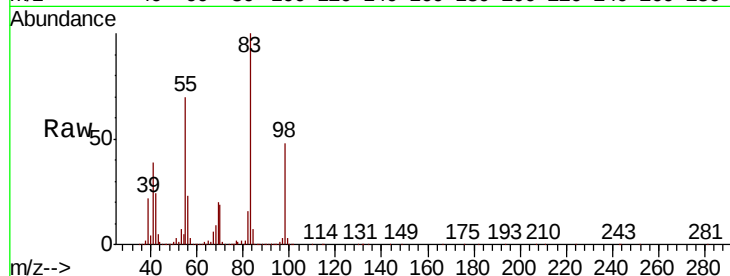




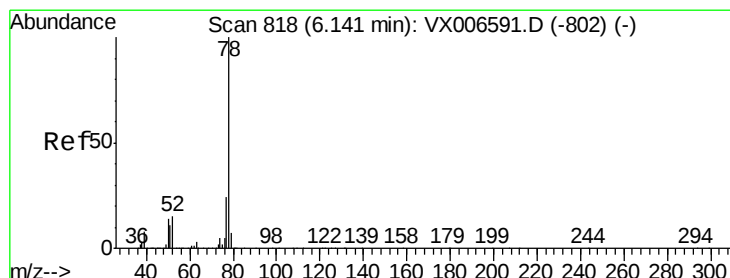
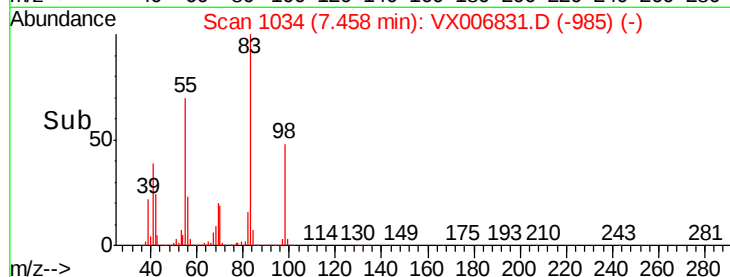
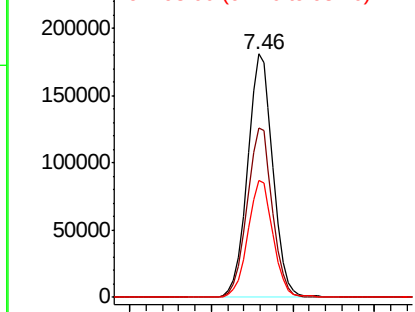
#39
Methvlcvclohexane
Concen: 41.006 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VX006831.D
Acq: 27 Dec 2018 10:01

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	83	Resp	390565
Ion Ratio	Lower	Upper	
83	100		
55	69.6	54.9	82.3
98	48.1	37.9	56.9

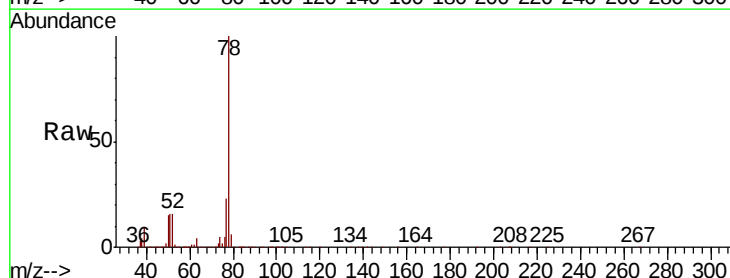


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

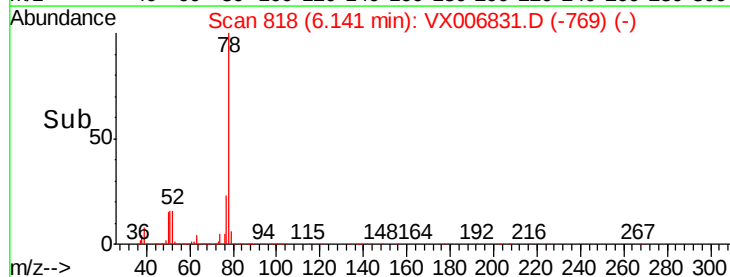
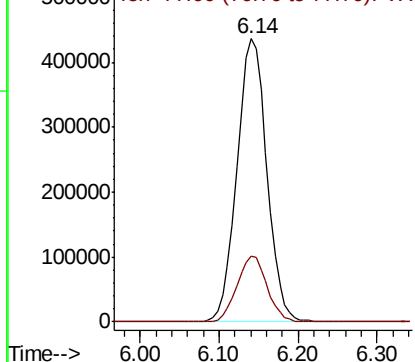


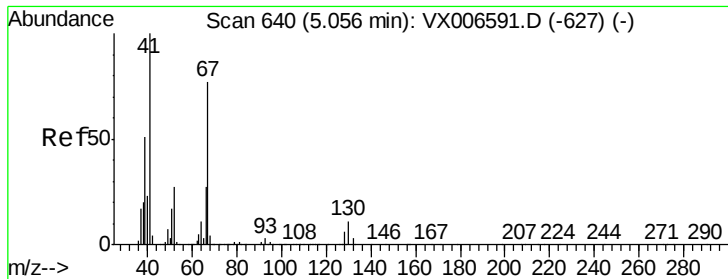
#40
Benzene
Concen: 52.247 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX006831.D
Acq: 27 Dec 2018 10:01

Tgt Ion	78	Resp	1148967
Ion Ratio	Lower	Upper	
78	100		
77	23.4	19.2	28.8



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





#41

Methacrylonitrile

Concen: 55.482 ug/l

RT: 5.06 min Scan# 640

Delta R.T. -0.00 min

Lab File: VX006831.D

Acq: 27 Dec 2018 10:01

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 41 Resp: 221808

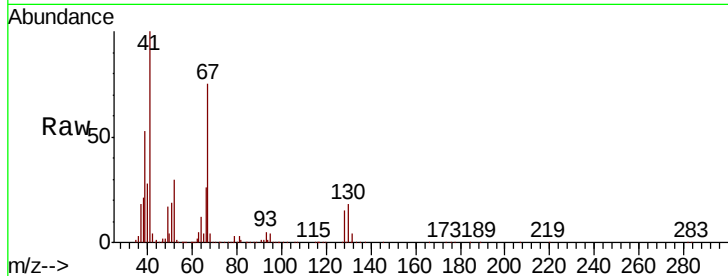
Ion Ratio Lower Upper

41 100

39 55.0 42.8 64.2

67 76.1 62.1 93.1

52 30.1 23.4 35.0

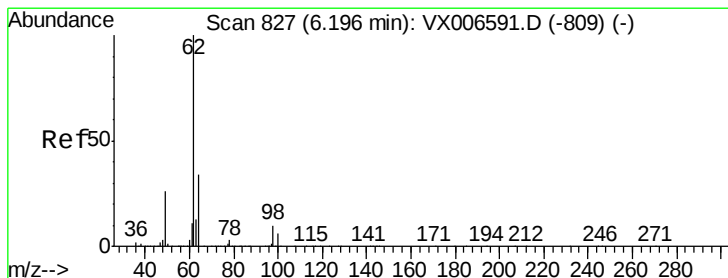
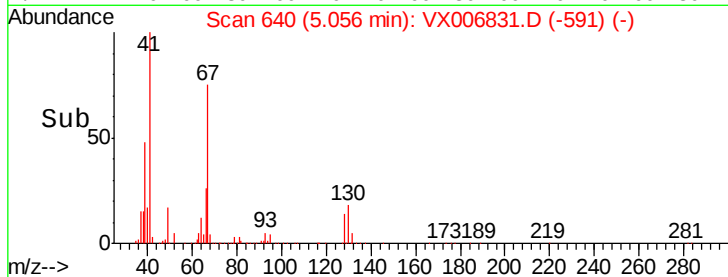
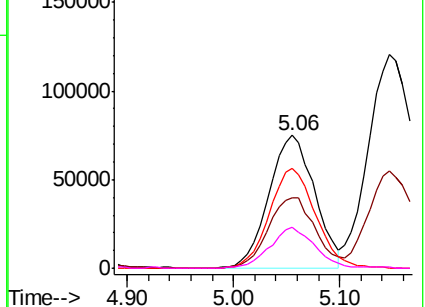


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 52.426 ug/l

RT: 6.20 min Scan# 827

Delta R.T. -0.00 min

Lab File: VX006831.D

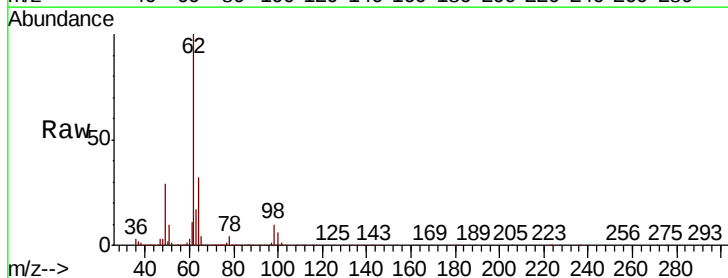
Acq: 27 Dec 2018 10:01

Tgt Ion: 62 Resp: 392858

Ion Ratio Lower Upper

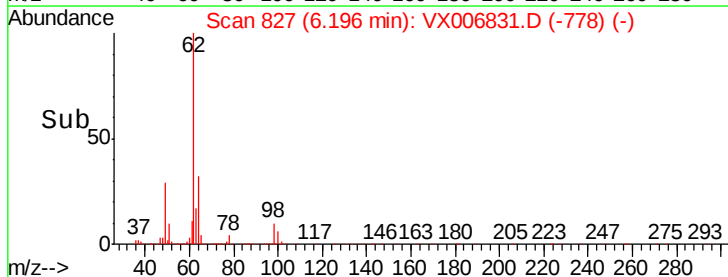
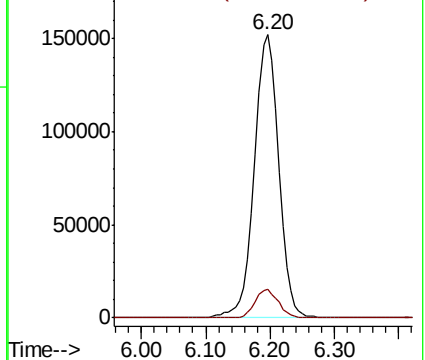
62 100

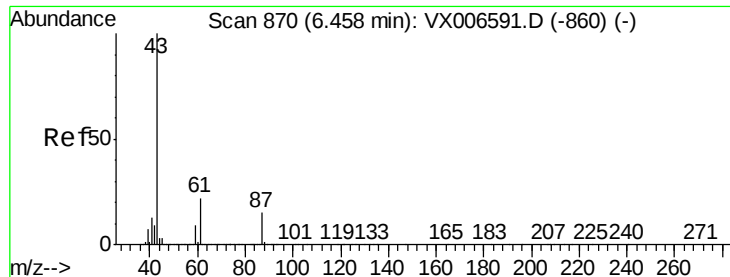
98 9.7 0.0 20.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



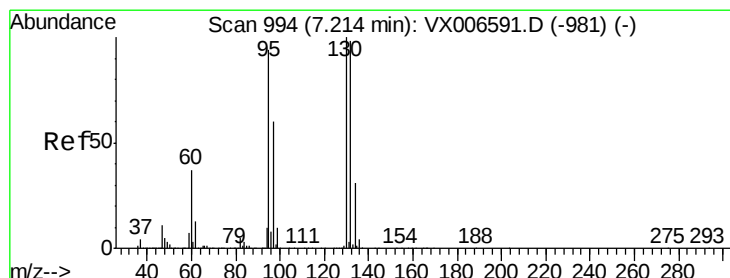
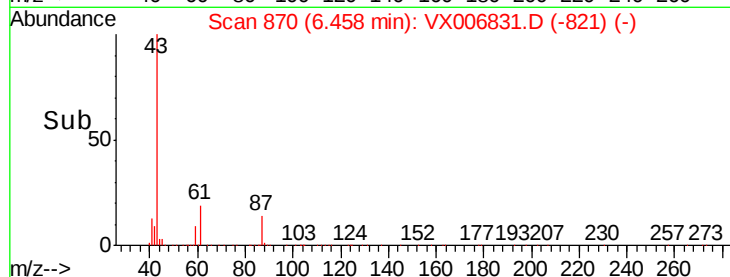
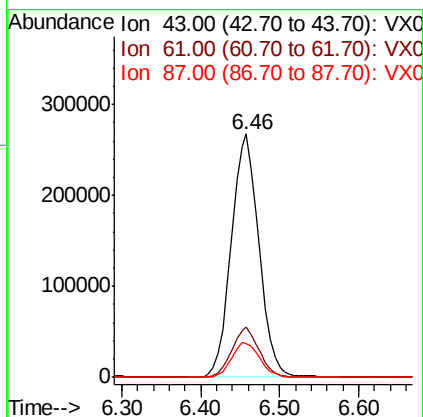
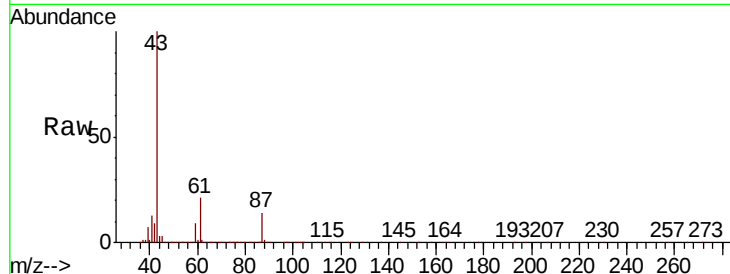


#43

Isopropyl Acetate
 Concen: 56.757 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. -0.00 min
 Lab File: VX006831.D
 Acq: 27 Dec 2018 10:01

Instrument :
 MSVOA_X
 ClientSampleId :

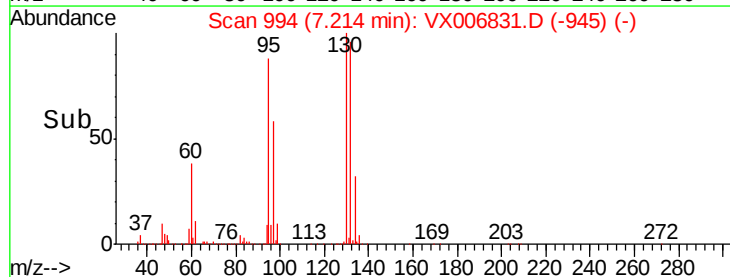
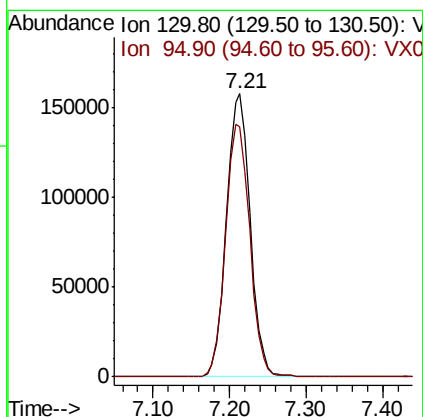
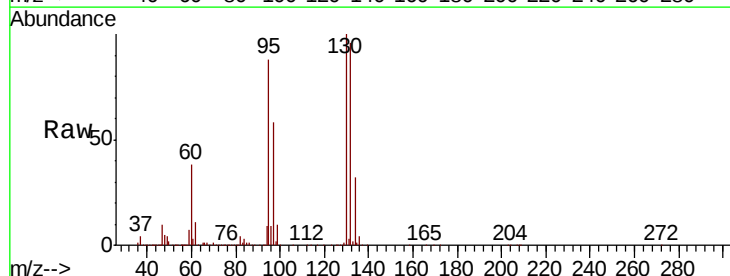
Tot Ion	43	Resp	650275
Ion Ratio	Lower	Upper	
43	100		
61	20.4	16.8	25.2
87	14.7	12.4	18.6



#44

Trichloroethene
 Concen: 50.834 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX006831.D
 Acq: 27 Dec 2018 10:01

Tgt Ion	130	Resp	338348
Ion Ratio	Lower	Upper	
130	100		
95	88.3	0.0	187.0





#45

1,2-Dichloropropane

Concen: 54.492 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX006831.D

Acq: 27 Dec 2018 10:01

Instrument :

MSVOA_X

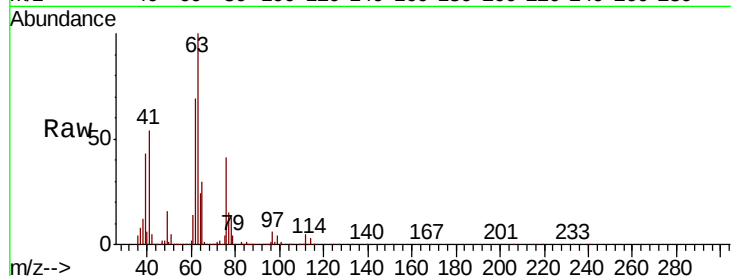
ClientSampleId :

Tot Ion: 63 Resp: 291615

Ion Ratio Lower Upper

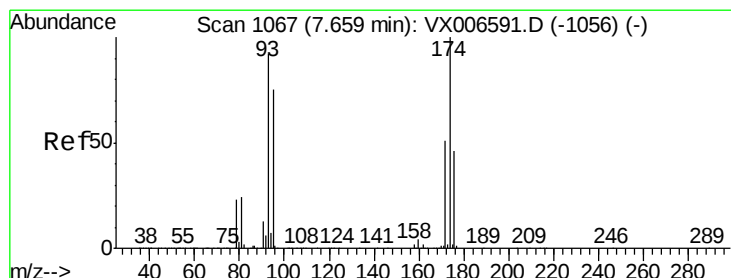
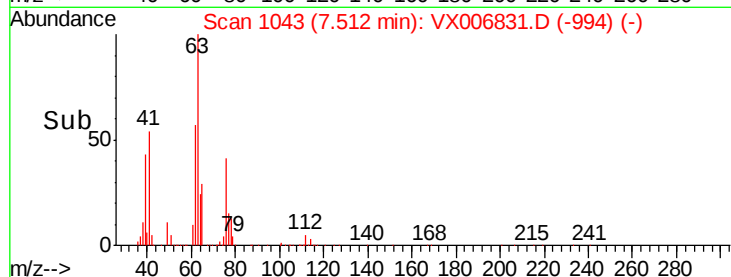
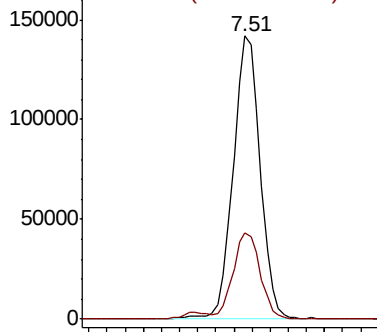
63 100

65 30.3 25.4 38.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 51.880 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX006831.D

Acq: 27 Dec 2018 10:01

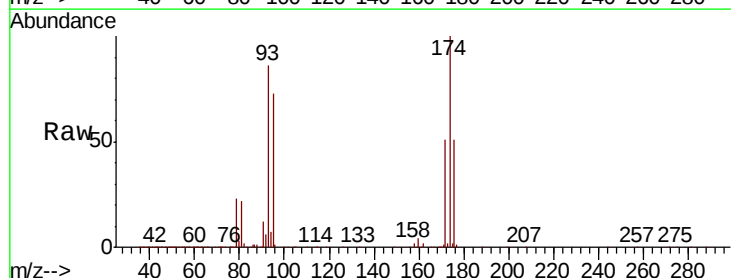
Tgt Ion: 93 Resp: 204216

Ion Ratio Lower Upper

93 100

95 84.7 66.2 99.4

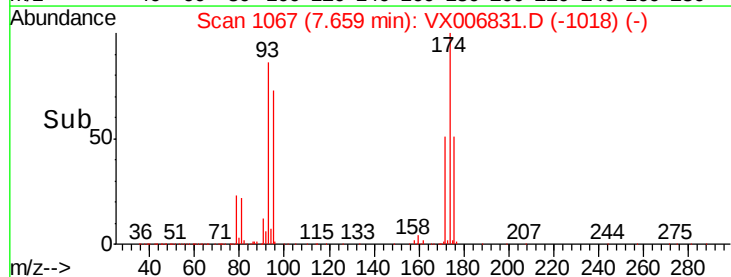
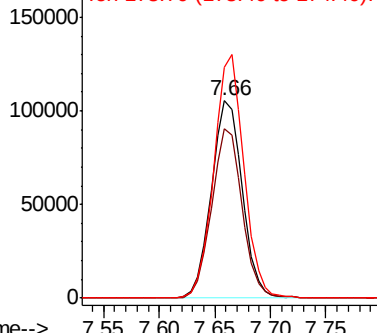
174 119.7 91.0 136.4

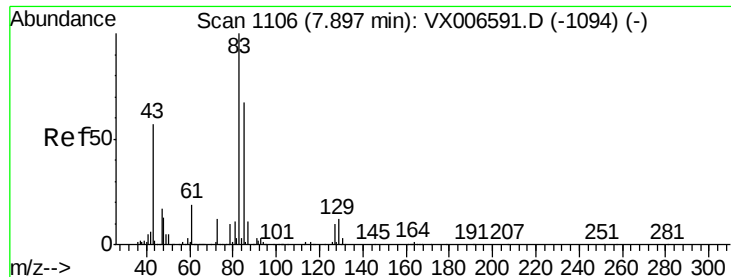


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 56.940 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX006831.D

Acq: 27 Dec 2018 10:01

Instrument :
MSVOA_X
ClientSampleId :

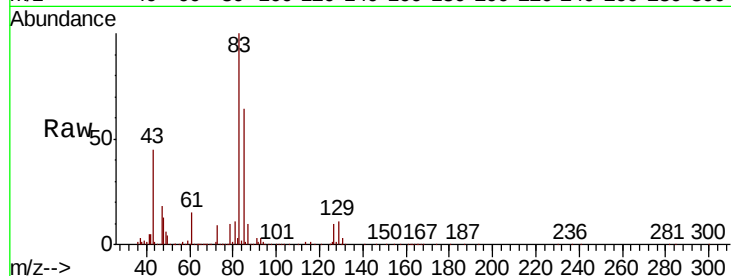
Tot Ion: 83 Resp: 372115

Ion Ratio Lower Upper

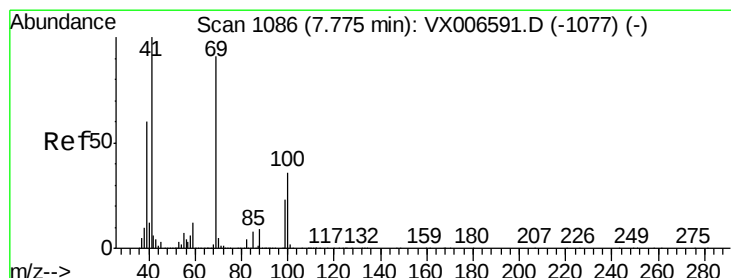
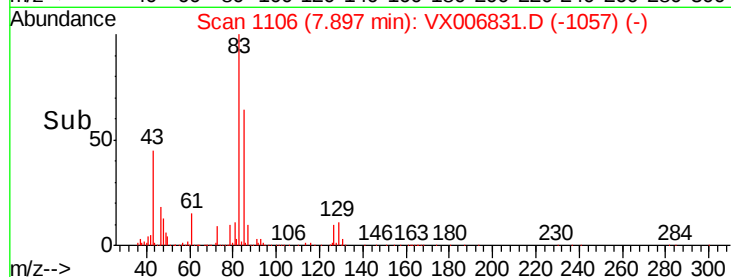
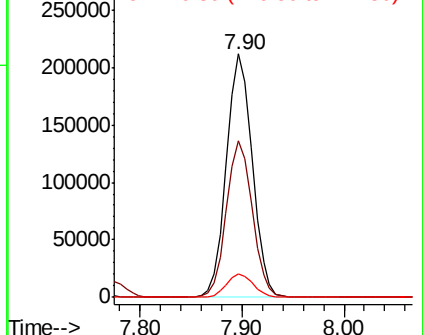
83 100

85 64.4 53.2 79.8

127 9.6 7.8 11.6



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: 57.073 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX006831.D

Acq: 27 Dec 2018 10:01

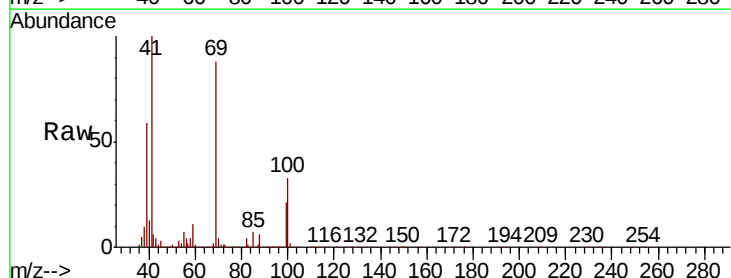
Tgt Ion: 41 Resp: 332525

Ion Ratio Lower Upper

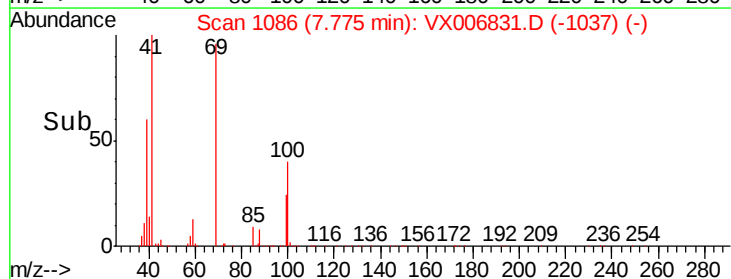
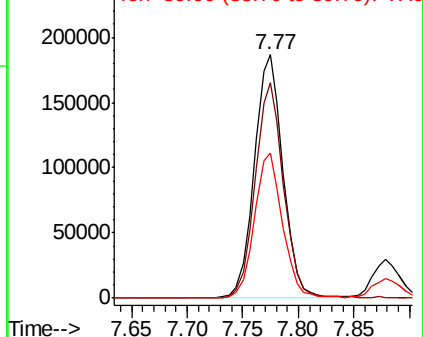
41 100

69 88.3 72.4 108.6

39 58.3 45.8 68.8



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: 841.931 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX006831.D

Acq: 27 Dec 2018 10:01

Instrument :

MSVOA_X

ClientSampleId :

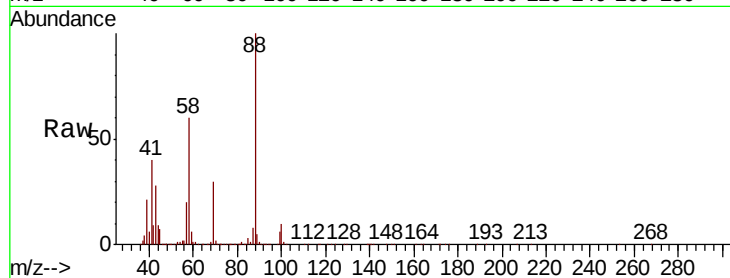
Tot Ion: 88 Resp: 128825

Ion Ratio Lower Upper

88 100

43 31.4 22.2 33.4

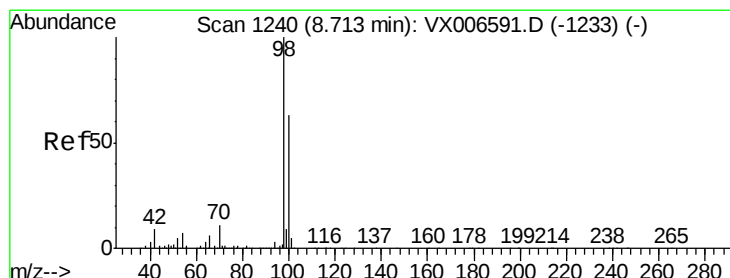
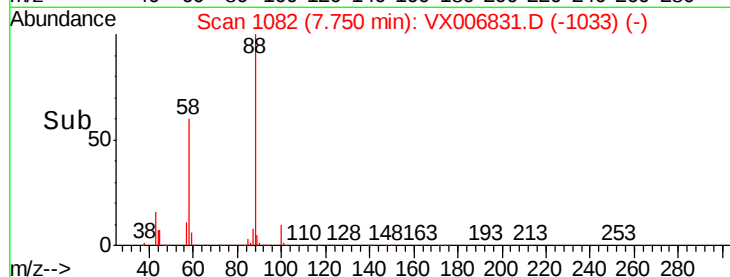
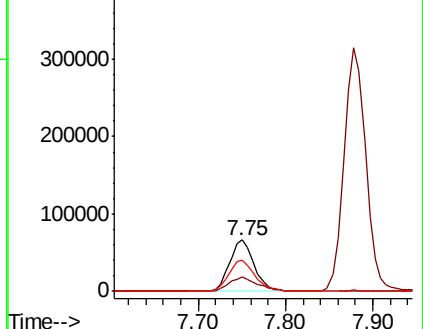
58 65.4 51.0 76.4



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 53.038 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006831.D

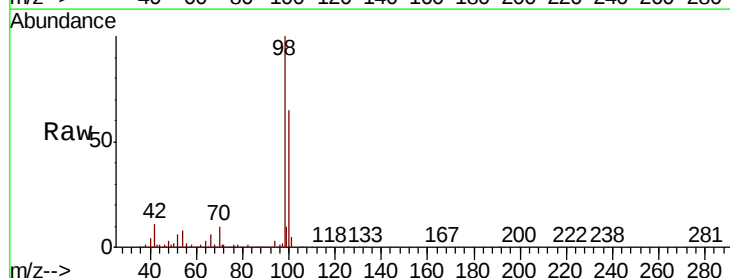
Acq: 27 Dec 2018 10:01

Tgt Ion: 98 Resp: 1104525

Ion Ratio Lower Upper

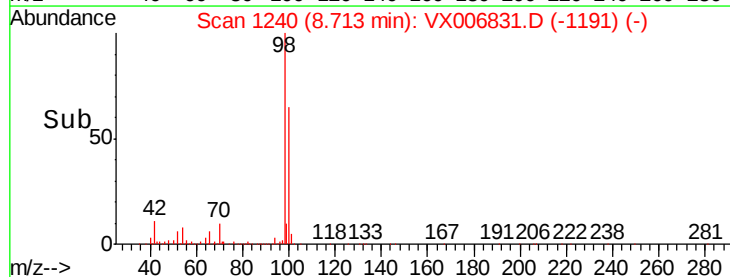
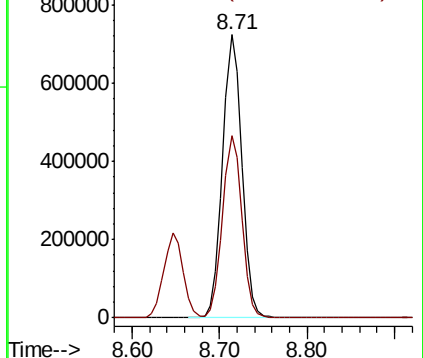
98 100

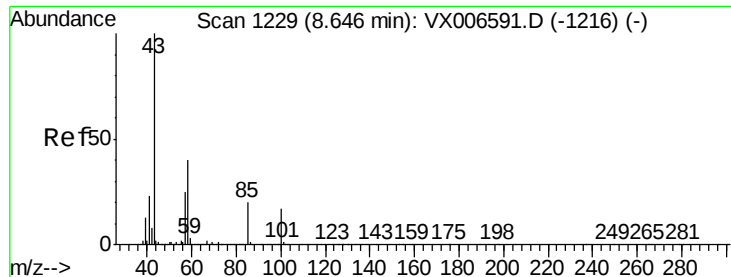
100 64.7 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 277.655 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX006831.D

Acq: 27 Dec 2018 10:01

Instrument :

MSVOA_X

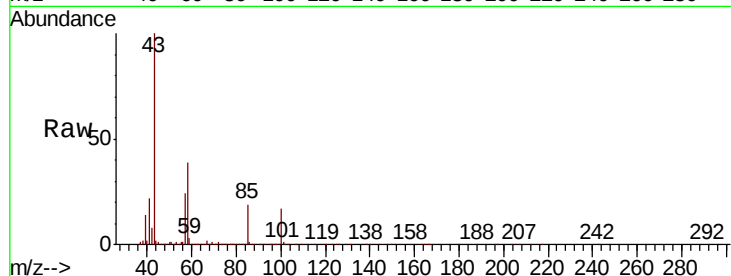
ClientSampled :

Tot Ion: 43 Resp: 2024067

Ion Ratio Lower Upper

43 100

58 39.5 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

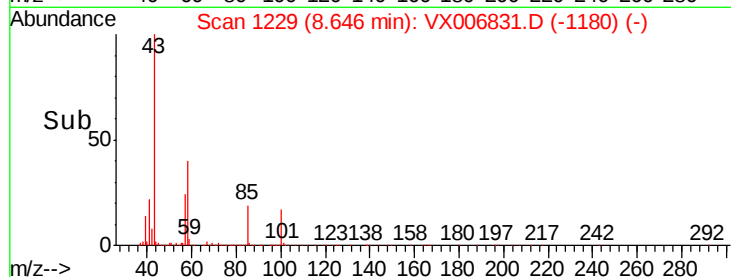
1500000

1000000

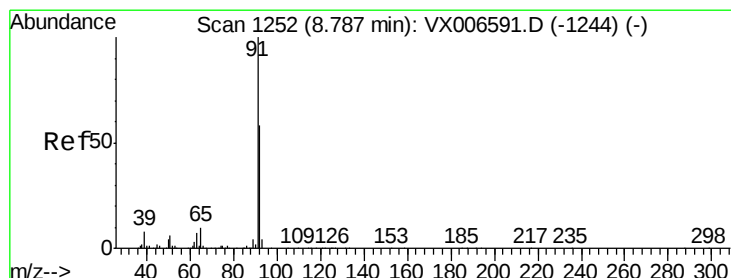
500000

0

8.50 8.60 8.70 8.80



Time-->



#52

Toluene

Concen: 52.437 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX006831.D

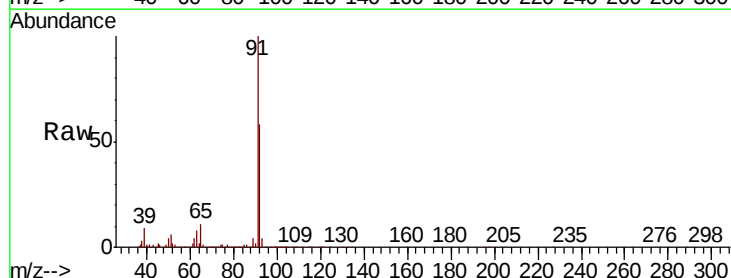
Acq: 27 Dec 2018 10:01

Tgt Ion: 92 Resp: 744981

Ion Ratio Lower Upper

92 100

91 173.4 137.6 206.4



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

800000

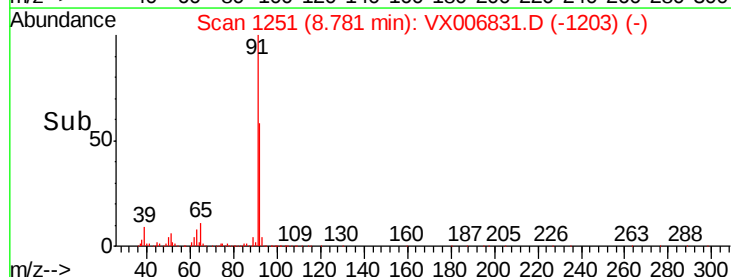
600000

400000

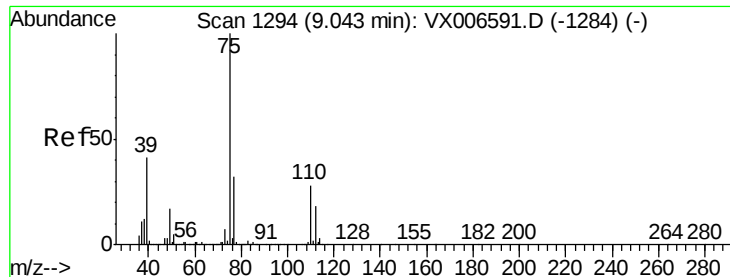
200000

0

8.70 8.80 8.90



Time-->



#53

t-1,3-Dichloropropene

Concen: 60.552 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX006831.D

Acq: 27 Dec 2018 10:01

Instrument :

MSVOA_X

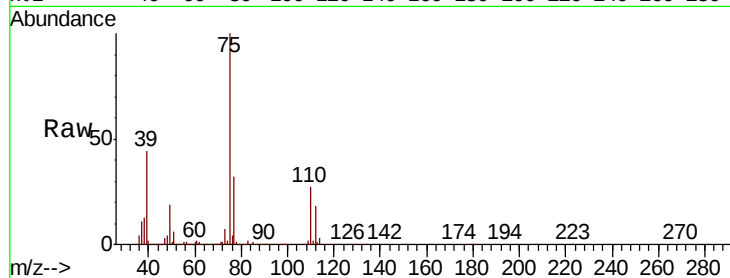
ClientSampleId :

Tot Ion: 75 Resp: 424401

Ion Ratio Lower Upper

75 100

77 32.0 25.4 38.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.04

300000

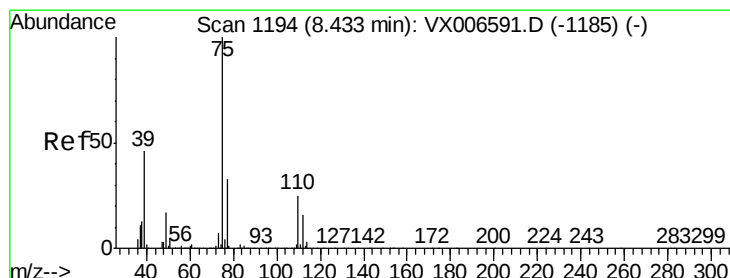
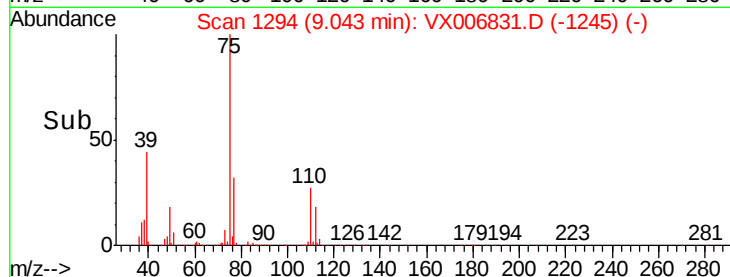
200000

100000

0

9.00 9.10 9.20

Time-->



#54

cis-1,3-Dichloropropene

Concen: 59.773 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX006831.D

Acq: 27 Dec 2018 10:01

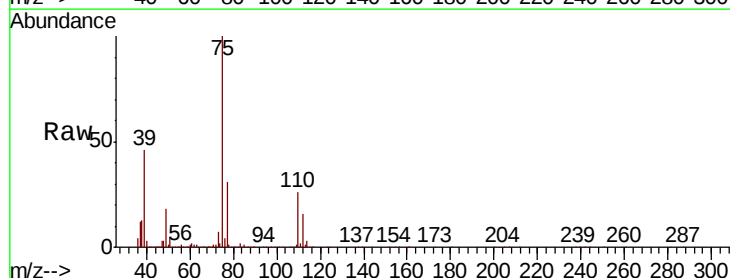
Tgt Ion: 75 Resp: 459684

Ion Ratio Lower Upper

75 100

77 31.4 26.2 39.2

39 46.2 36.7 55.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

8.43

400000

300000

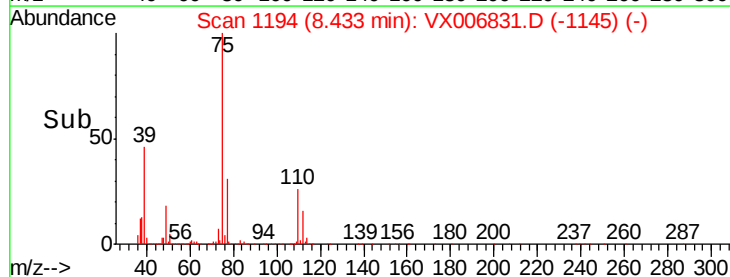
200000

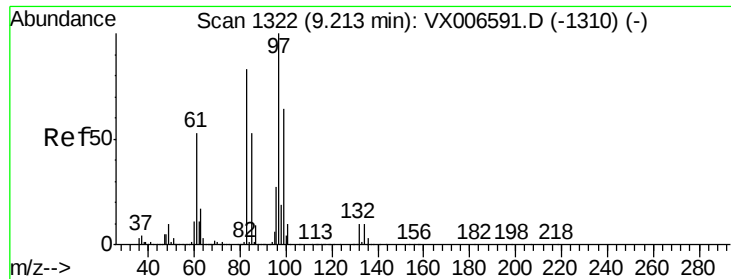
100000

0

8.30 8.40 8.50 8.60

Time-->

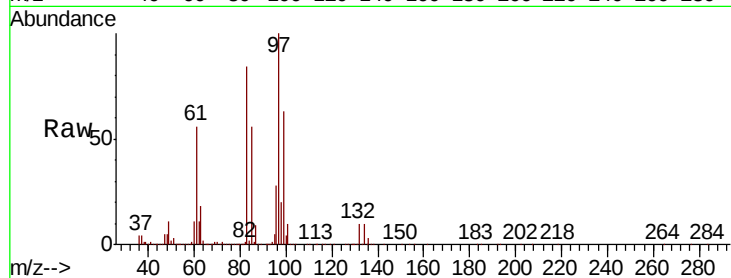




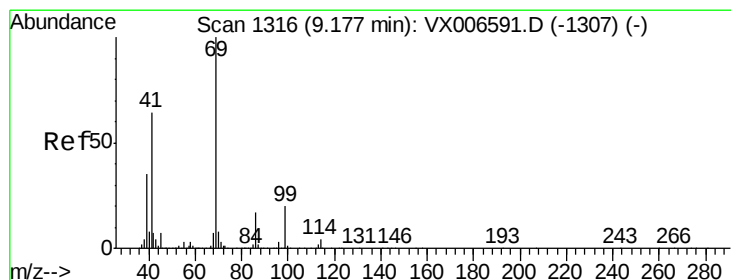
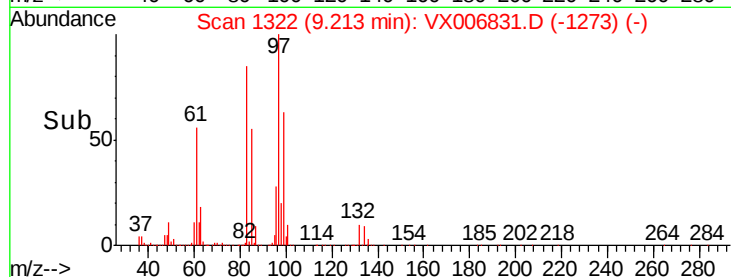
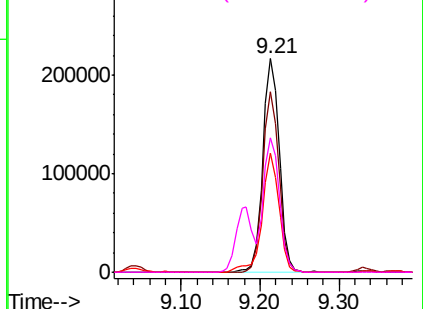
#55
 1,1,2-Trichloroethane
 Concen: 54.169 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX006831.D
 Acq: 27 Dec 2018 10:01

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:	97	Resp:	315003
Ion	Ratio	Lower	Upper
97	100		
83	84.4	66.6	99.8
85	55.5	42.7	64.1
99	62.8	50.8	76.2

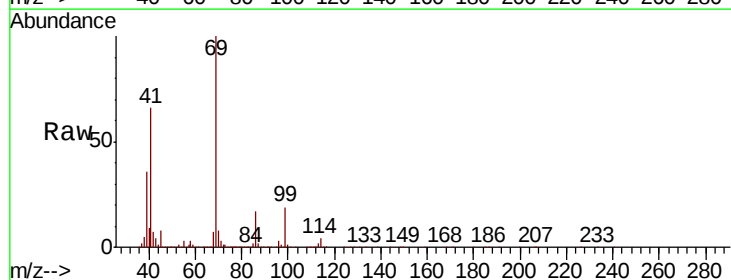


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

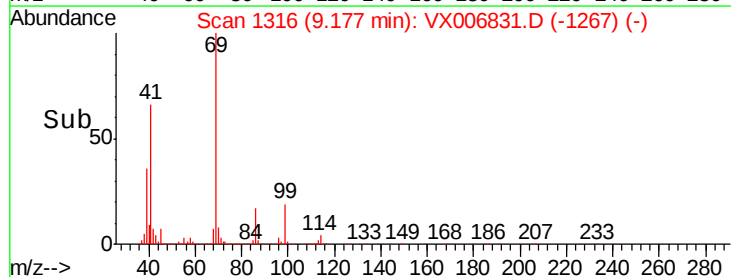
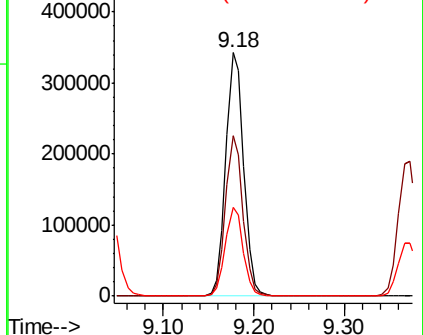


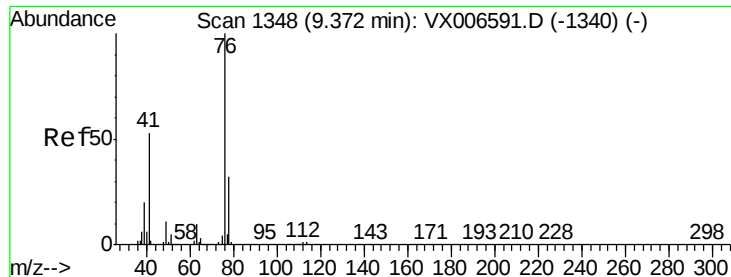
#56
 Ethyl methacrylate
 Concen: 57.203 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX006831.D
 Acq: 27 Dec 2018 10:01

Tgt Ion:	69	Resp:	470156
Ion	Ratio	Lower	Upper
69	100		
41	64.5	48.7	73.1
39	36.6	27.0	40.6



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





#57

1,3-Dichloropropane

Concen: 53.774 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX006831.D

Acq: 27 Dec 2018 10:01

Instrument :

MSVOA_X

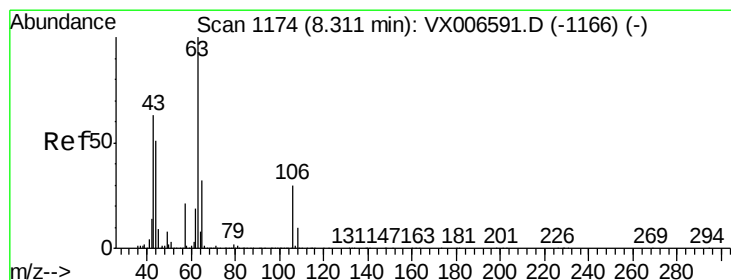
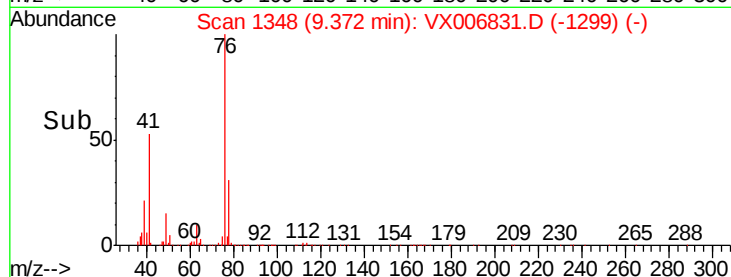
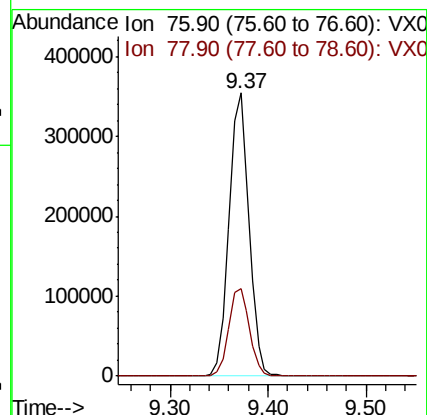
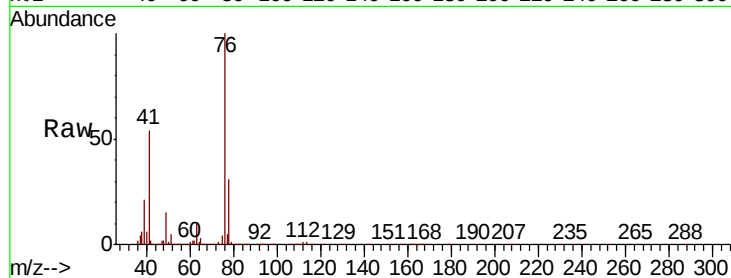
ClientSampleId :

Tot Ion: 76 Resp: 503111

Ion Ratio Lower Upper

76 100

78 31.9 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 300.721 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX006831.D

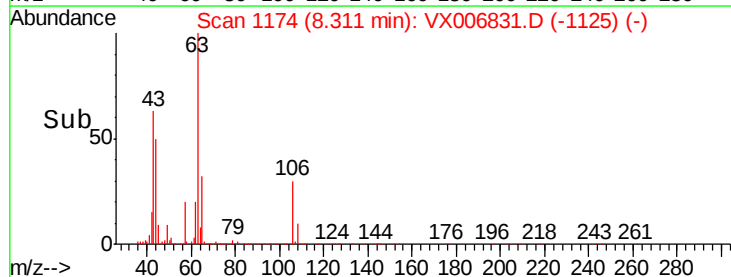
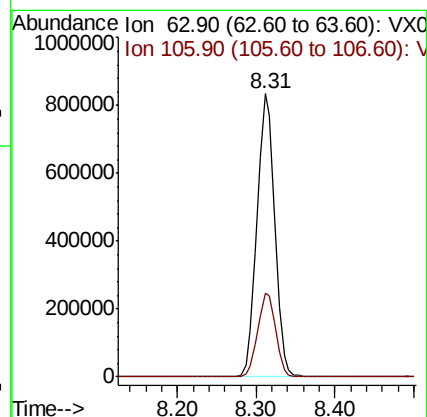
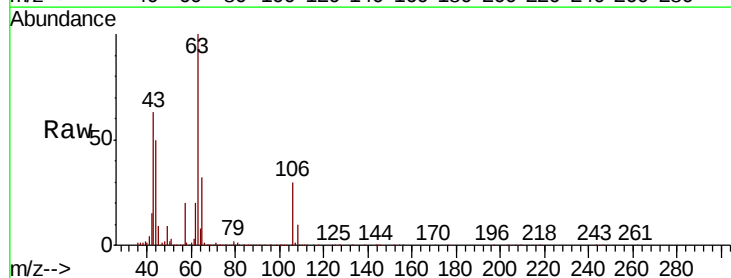
Acq: 27 Dec 2018 10:01

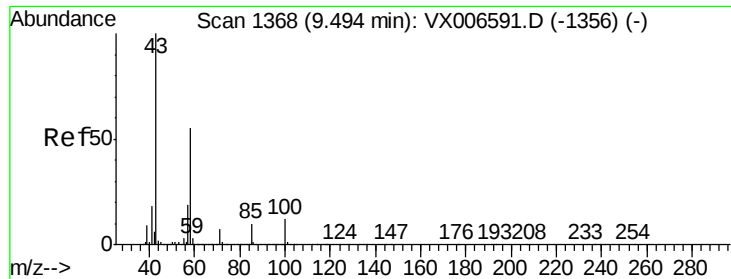
Tgt Ion: 63 Resp: 1313847

Ion Ratio Lower Upper

63 100

106 30.0 24.6 36.8

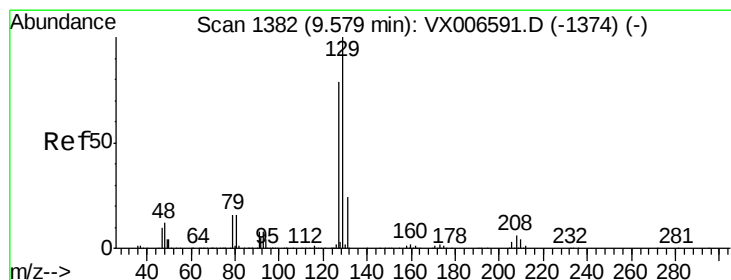
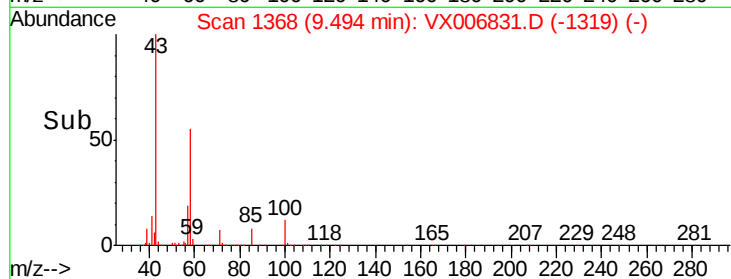
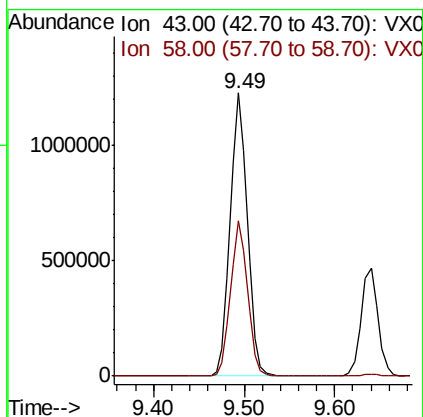
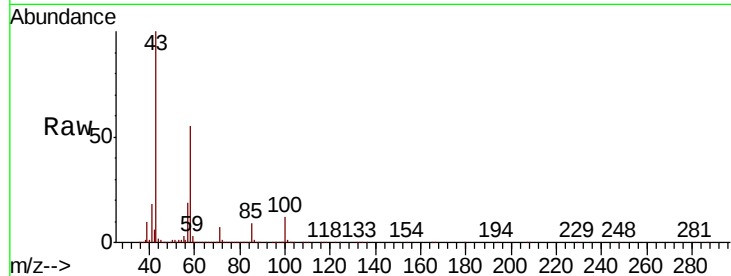




#59
2-Hexanone
Concen: 291.355 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX006831.D
Acq: 27 Dec 2018 10:01

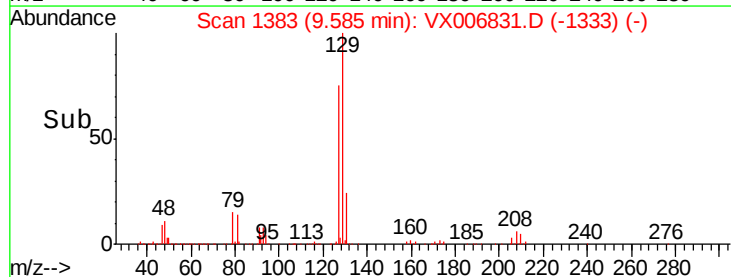
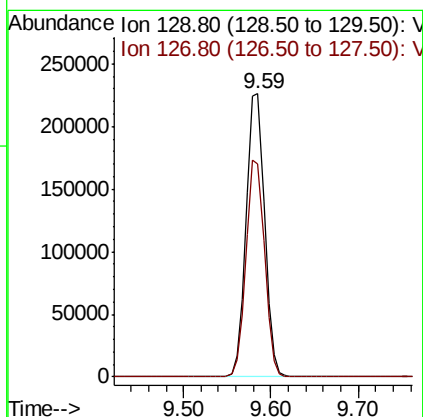
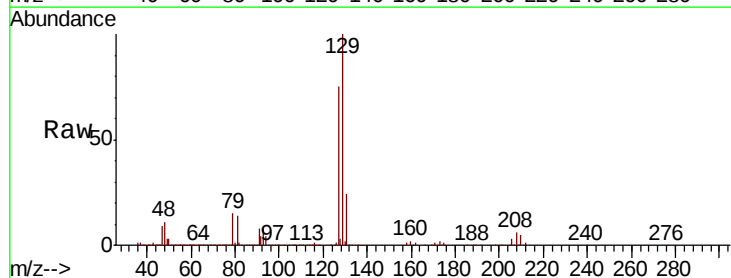
Instrument :
MSVOA_X
ClientSampled :

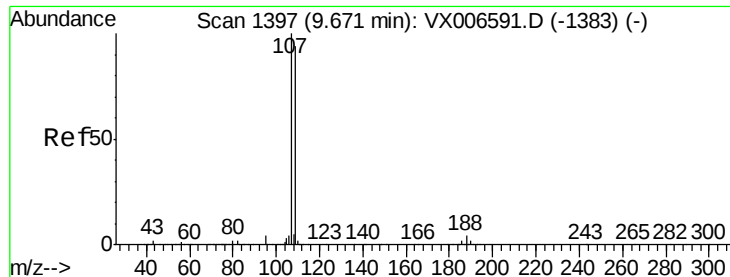
Tot Ion: 43 Resp: 1625066
Ion Ratio Lower Upper
43 100
58 54.4 27.7 83.1



#60
Dibromochloromethane
Concen: 54.255 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VX006831.D
Acq: 27 Dec 2018 10:01

Tgt Ion:129 Resp: 331242
Ion Ratio Lower Upper
129 100
127 77.1 39.3 117.8

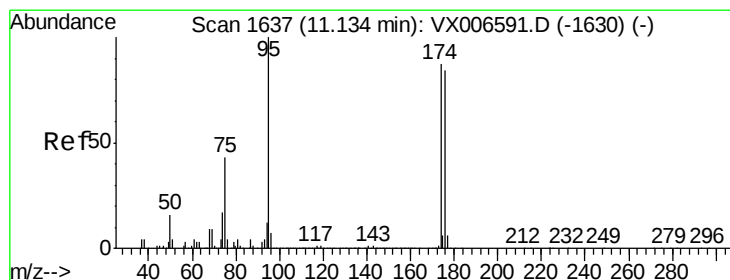
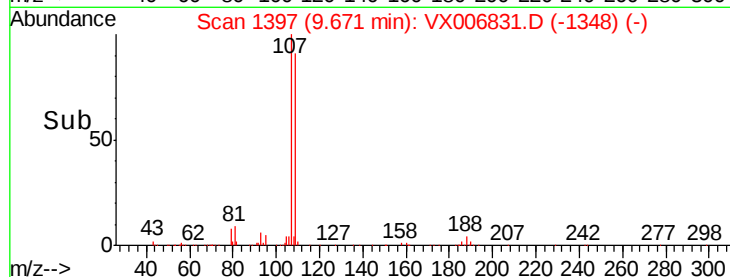
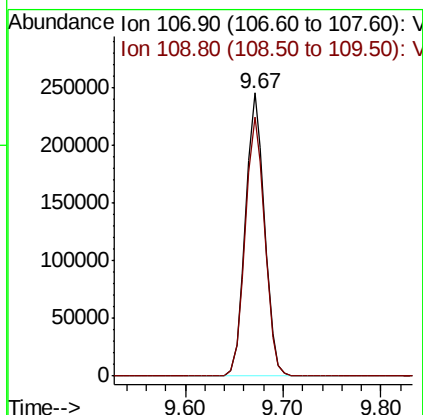
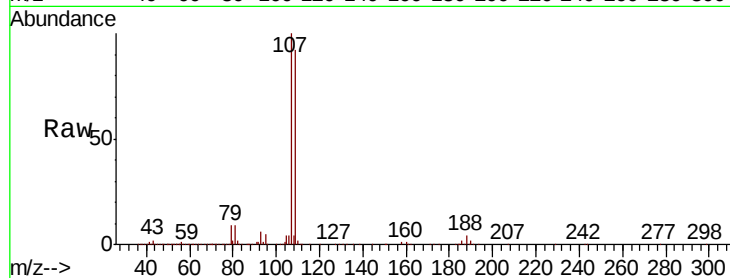




#61
 1,2-Dibromoethane
 Concen: 54.029 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: VX006831.D
 Acq: 27 Dec 2018 10:01

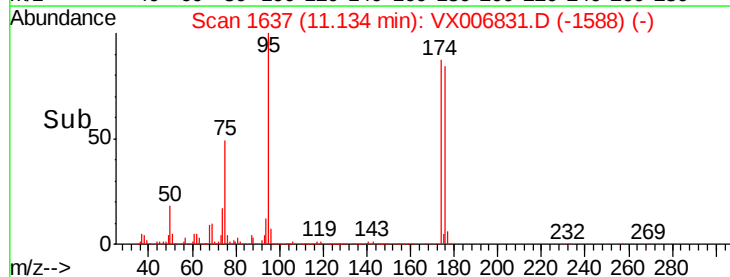
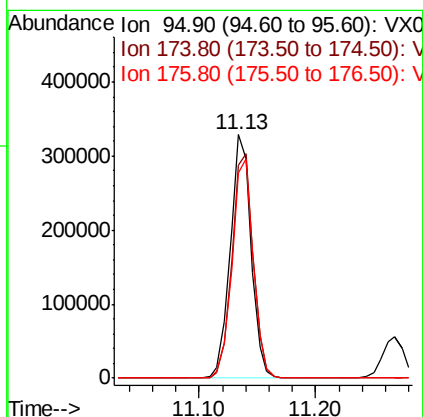
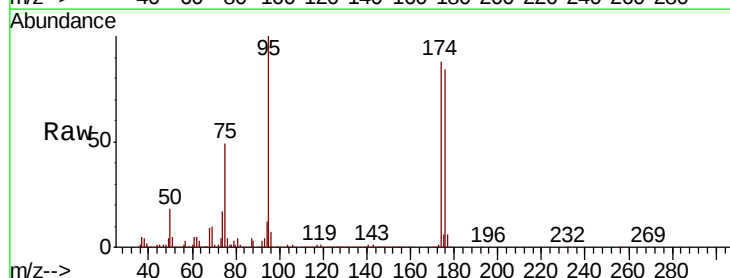
Instrument :
 MSVOA_X
 ClientSampled :

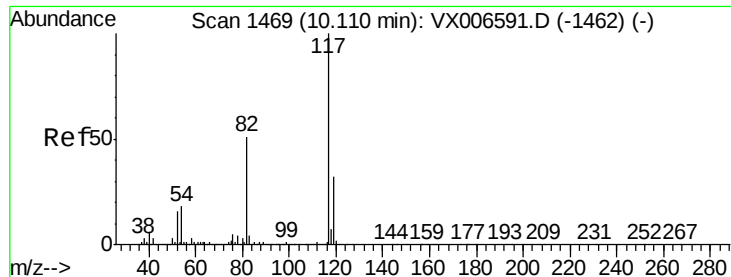
Tot Ion: 107 Resp: 333996
 Ion Ratio Lower Upper
 107 100
 109 94.0 75.8 113.6



#62
 4-Bromofluorobenzene
 Concen: 53.694 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.00 min
 Lab File: VX006831.D
 Acq: 27 Dec 2018 10:01

Tgt Ion: 95 Resp: 409526
 Ion Ratio Lower Upper
 95 100
 174 94.3 0.0 182.2
 176 91.8 0.0 178.8

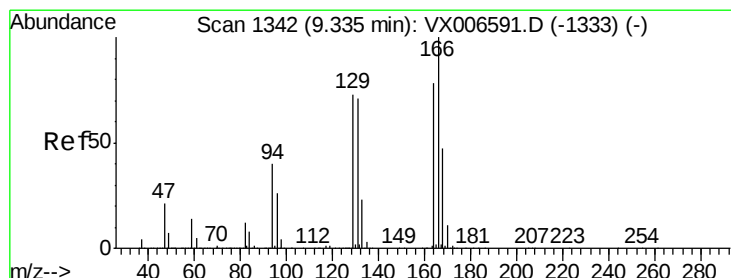
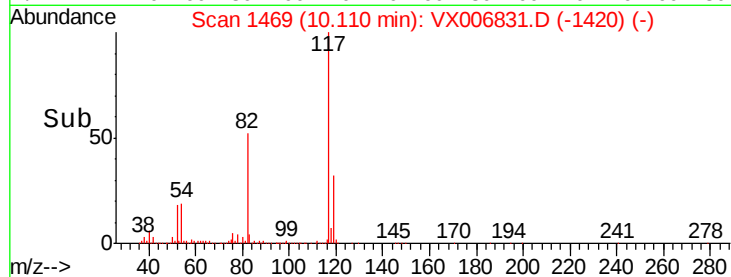
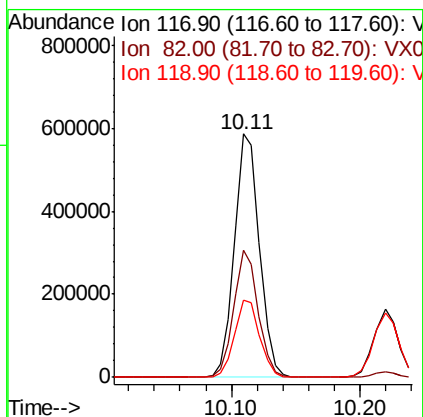
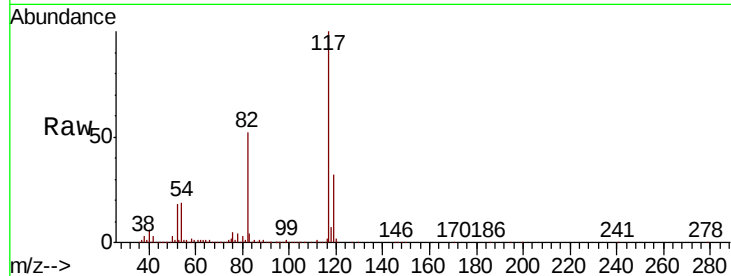




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX006831.D
Acq: 27 Dec 2018 10:01

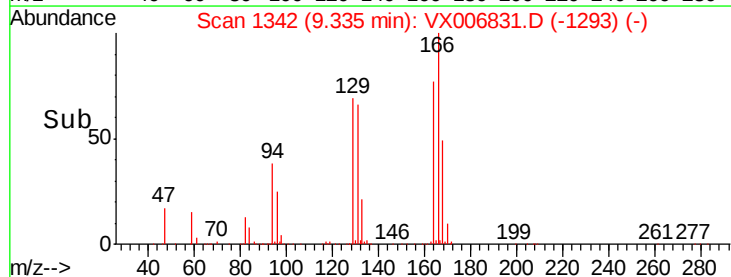
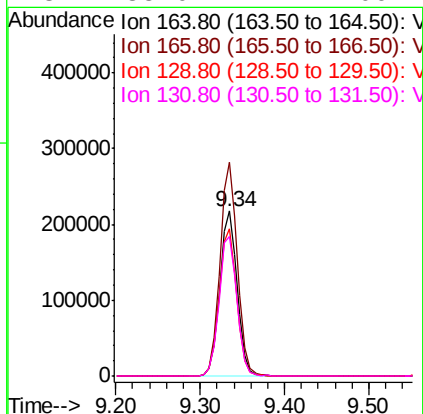
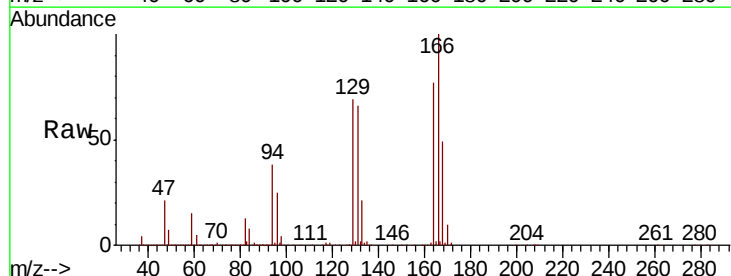
Instrument :
MSVOA_X
ClientSampleId :

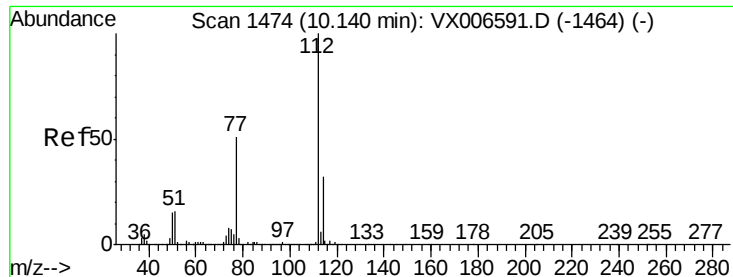
Tot Ion	Ratio	Lower	Upper
117	100		
82	51.9	41.0	61.6
119	31.6	25.4	38.0



#64
Tetrachloroethene
Concen: 49.445 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX006831.D
Acq: 27 Dec 2018 10:01

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.5	102.5	153.7
129	89.3	75.1	112.7
131	85.0	72.7	109.1

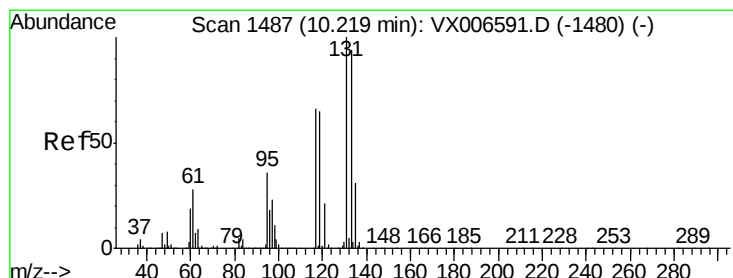
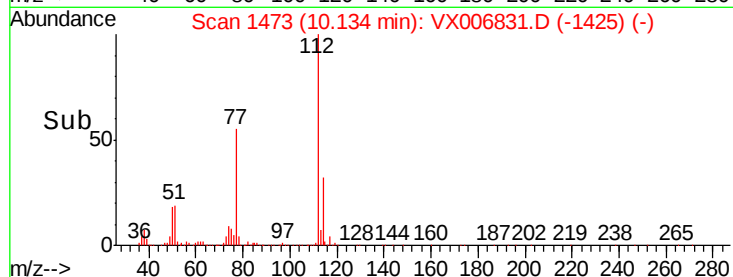
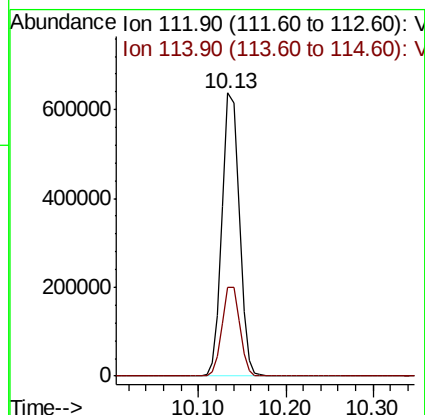
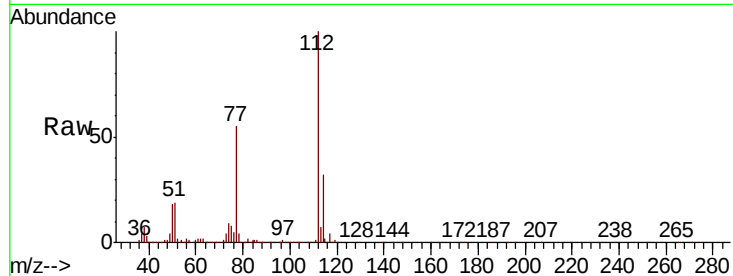




#65
Chlorobenzene
Concen: 52.076 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.01 min
Lab File: VX006831.D
Acq: 27 Dec 2018 10:01

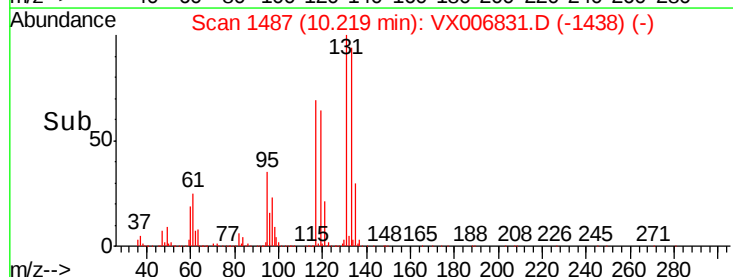
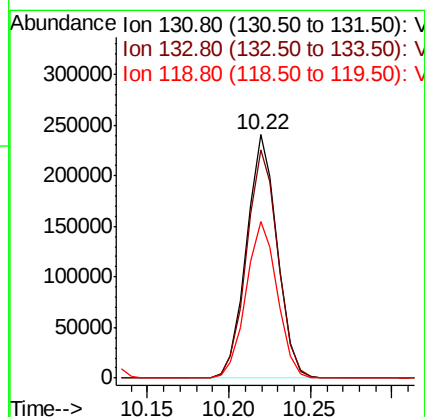
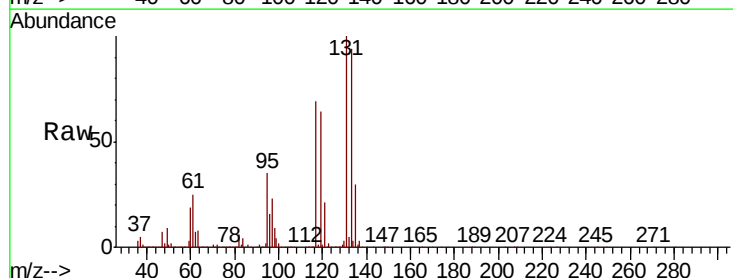
Instrument :
MSVOA_X
ClientSampleId :

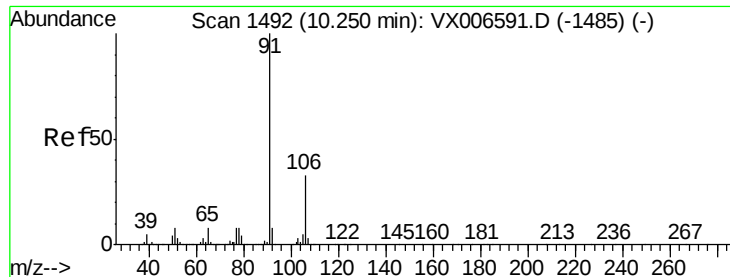
Tot Ion:112 Resp: 875051
Ion Ratio Lower Upper
112 100
114 31.6 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 60.220 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX006831.D
Acq: 27 Dec 2018 10:01

Tgt Ion:131 Resp: 315706
Ion Ratio Lower Upper
131 100
133 95.4 48.0 144.2
119 65.3 32.6 97.8





#67

Ethyl Benzene

Concen: 51.725 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX006831.D

Acq: 27 Dec 2018 10:01

Instrument :

MSVOA_X

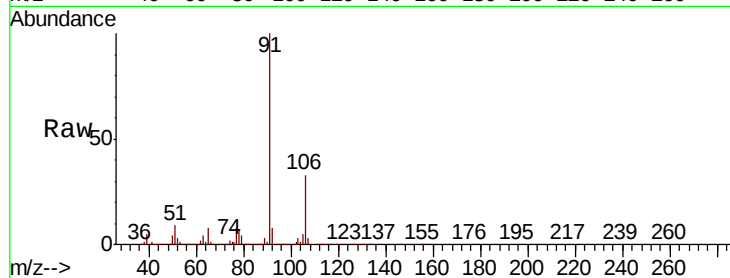
ClientSampleId :

Tot Ion: 91 Resp: 1420250

Ion Ratio Lower Upper

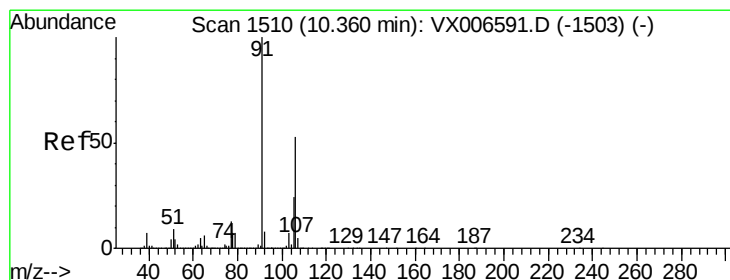
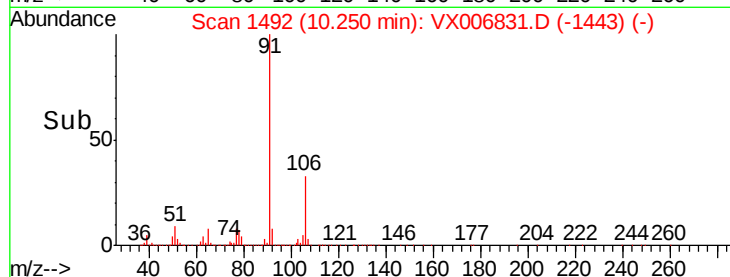
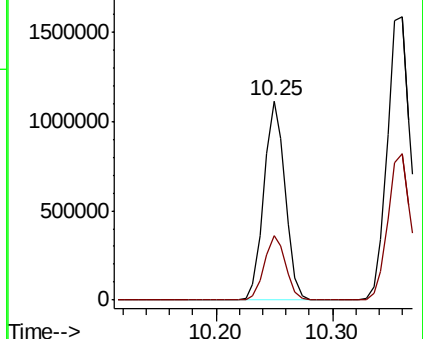
91 100

106 32.5 26.4 39.6



Abundance Ion 91.00 (90.70 to 91.70): VX006591.D (-1485) (-)

Ion 106.00 (105.70 to 106.70): VX006591.D (-1485) (-)



#68

m/p-Xylenes

Concen: 103.531 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX006831.D

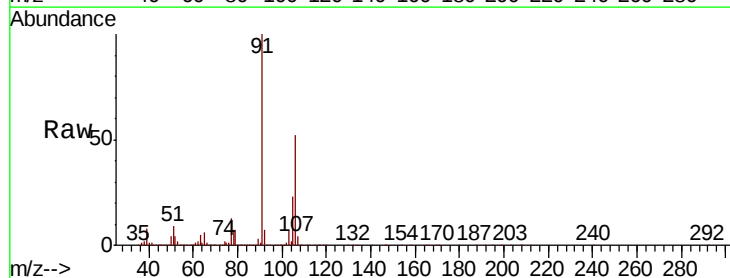
Acq: 27 Dec 2018 10:01

Tgt Ion: 106 Resp: 1121730

Ion Ratio Lower Upper

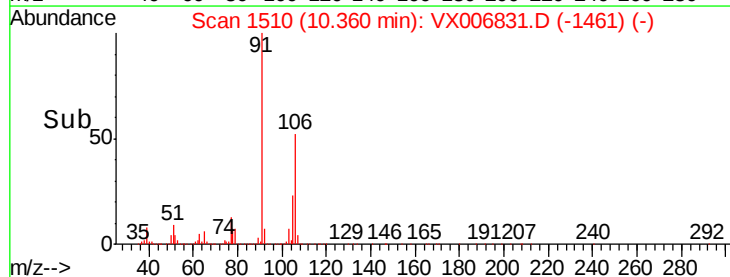
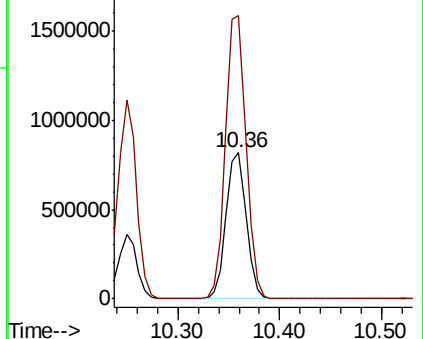
106 100

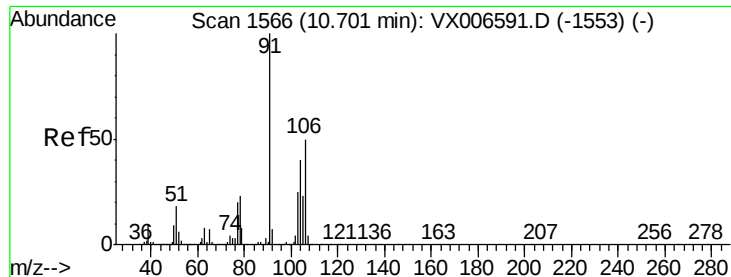
91 196.9 155.8 233.6



Abundance Ion 106.00 (105.70 to 106.70): VX006591.D (-1503) (-)

Ion 91.00 (90.70 to 91.70): VX006591.D (-1503) (-)

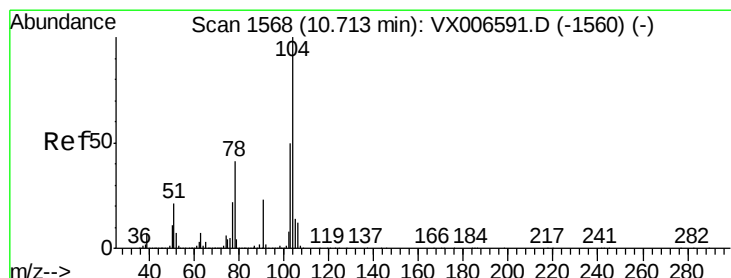
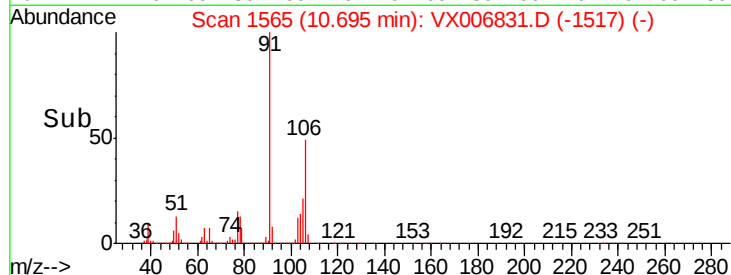
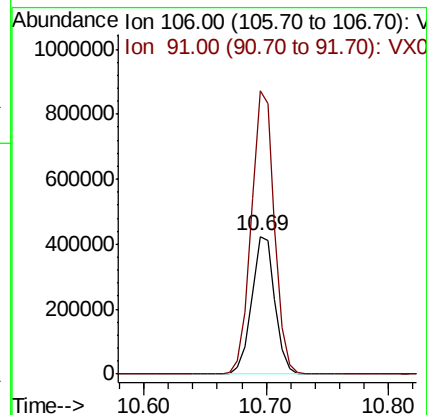
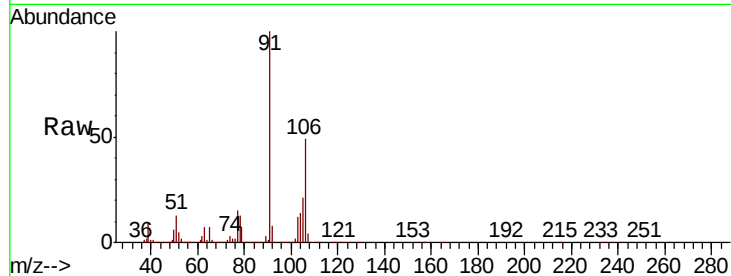




#69
o-Xylene
Concen: 51.964 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX006831.D
Acq: 27 Dec 2018 10:01

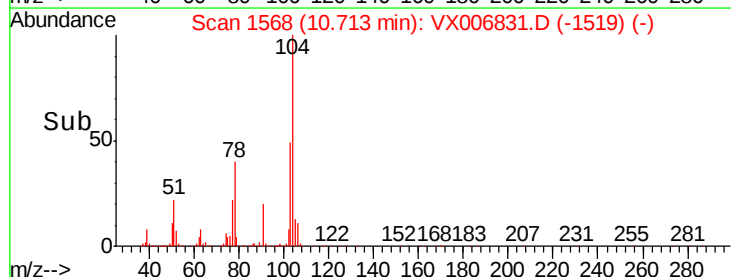
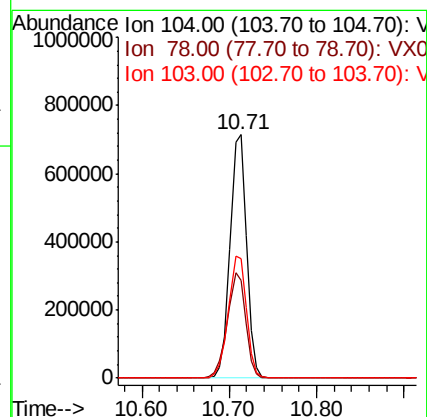
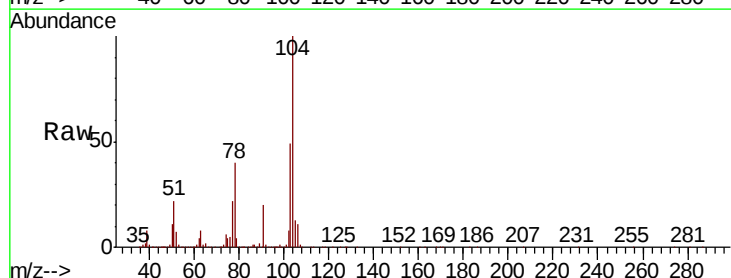
Instrument :
MSVOA_X
ClientSampled :

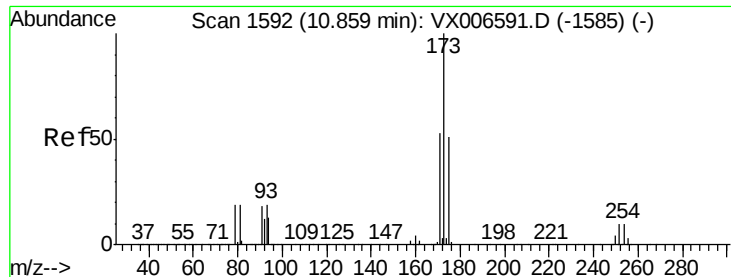
Tot Ion:106 Resp: 555965
Ion Ratio Lower Upper
106 100
91 205.5 101.3 303.7



#70
Styrene
Concen: 55.074 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX006831.D
Acq: 27 Dec 2018 10:01

Tgt Ion:104 Resp: 932217
Ion Ratio Lower Upper
104 100
78 47.7 37.7 56.5
103 55.1 43.8 65.8

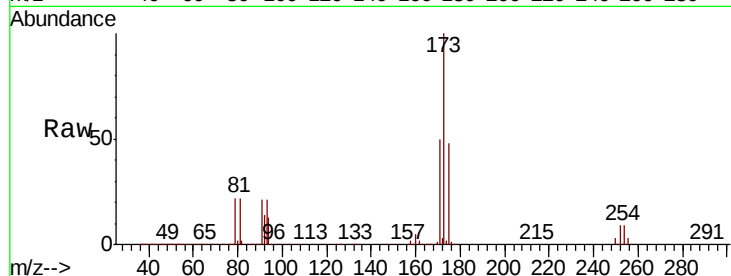




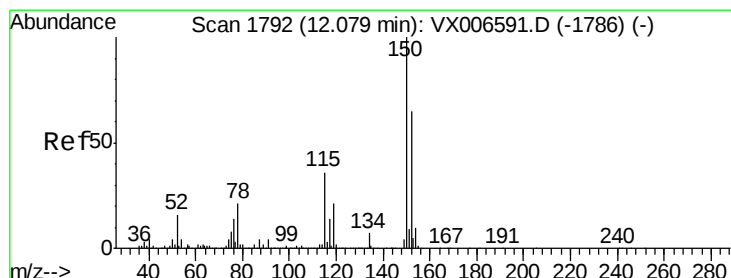
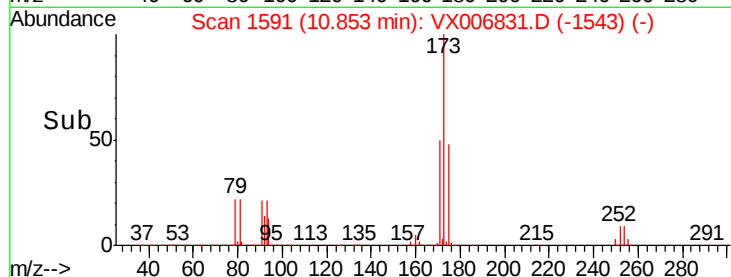
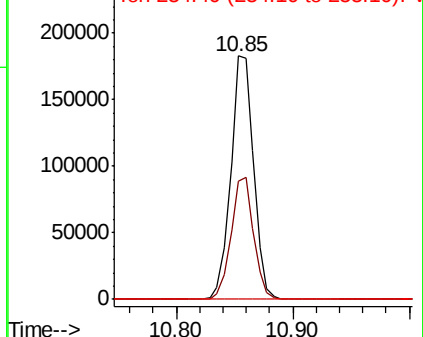
#71
Bromoform
Concen: 52.325 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.01 min
Lab File: VX006831.D
Acq: 27 Dec 2018 10:01

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:173 Resp: 248517
Ion Ratio Lower Upper
173 100
175 49.7 24.7 74.1
254 0.2 0.2 0.2

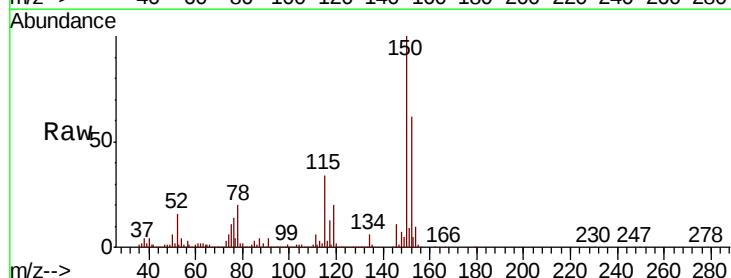


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

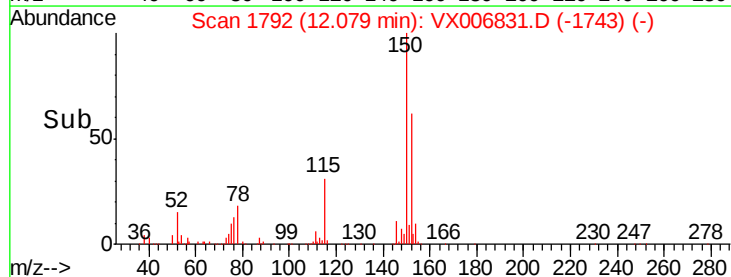
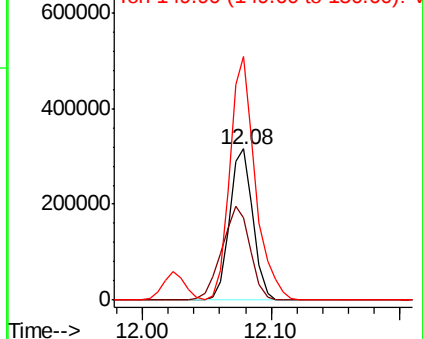


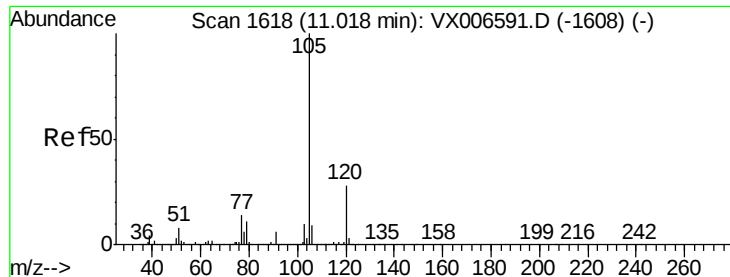
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX006831.D
Acq: 27 Dec 2018 10:01

Tgt Ion:152 Resp: 397895
Ion Ratio Lower Upper
152 100
115 75.4 39.1 117.2
150 175.2 0.0 344.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.816 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX006831.D

Acq: 27 Dec 2018 10:01

Instrument :

MSVOA_X

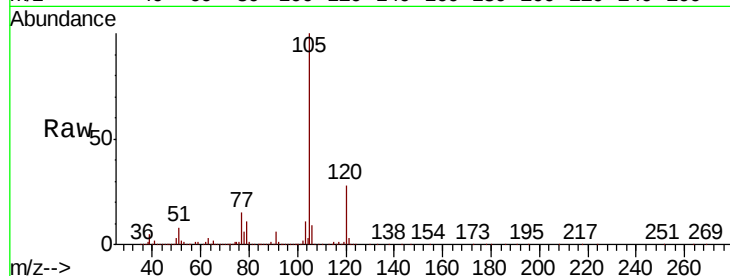
ClientSampleId :

Tot Ion:105 Resp: 1383256

Ion Ratio Lower Upper

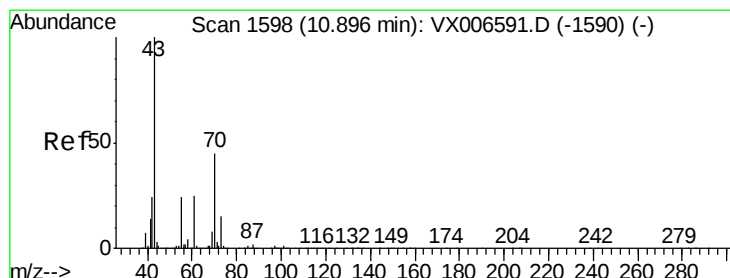
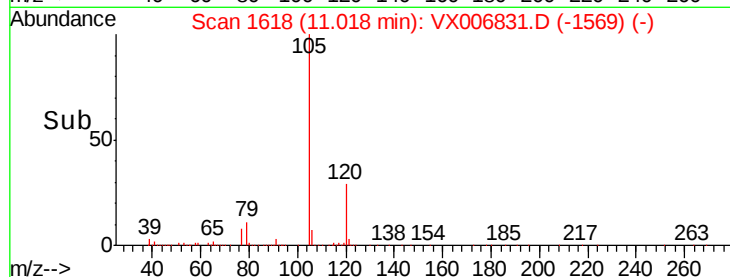
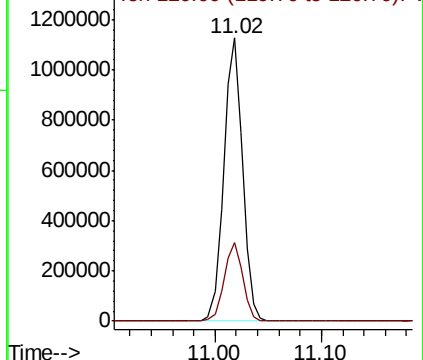
105 100

120 27.5 14.1 42.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 62.497 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX006831.D

Acq: 27 Dec 2018 10:01

Tgt Ion: 43 Resp: 608934

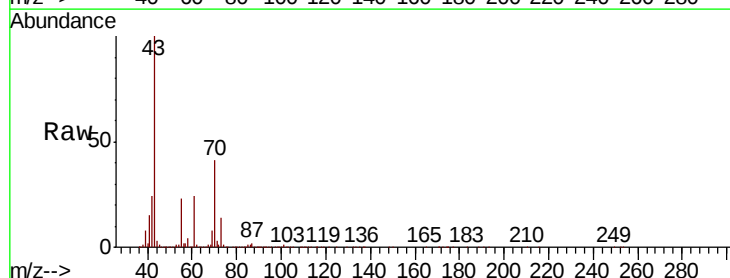
Ion Ratio Lower Upper

43 100

70 42.4 35.8 53.8

55 23.5 19.4 29.0

61 24.1 20.1 30.1

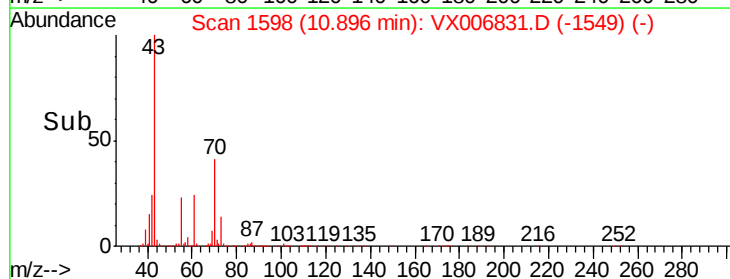
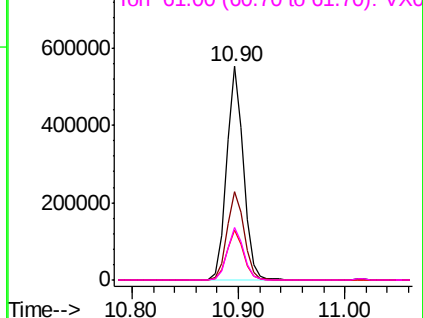


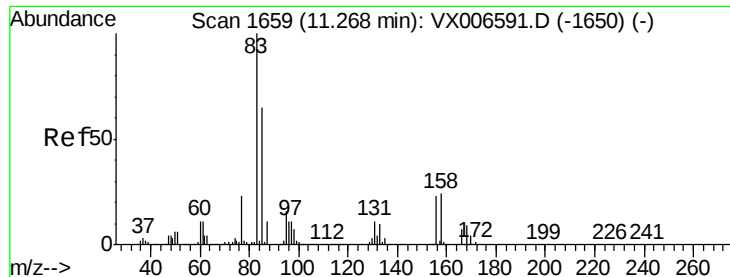
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 56.488 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX006831.D

Acq: 27 Dec 2018 10:01

Instrument :

MSVOA_X

ClientSampleId :

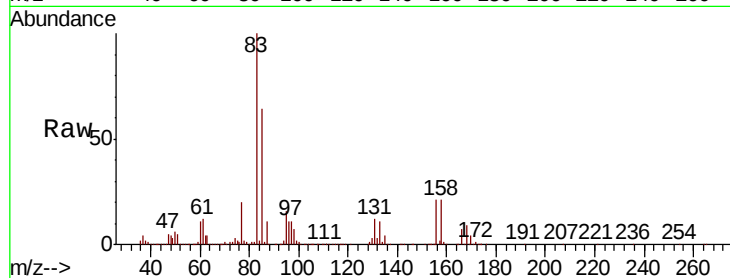
Tot Ion: 83 Resp: 457299

Ion	Ratio	Lower	Upper
83	100		
131	11.4	5.7	17.1
85	64.1	32.2	96.6

83 100

131 11.4 5.7 17.1

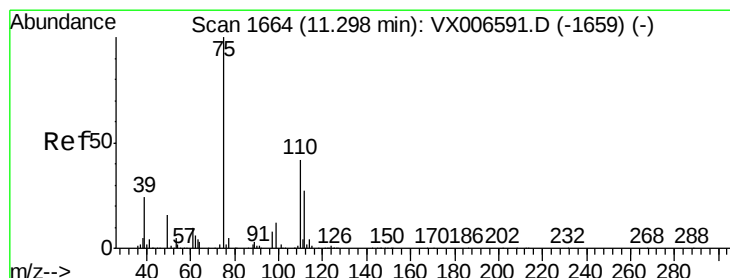
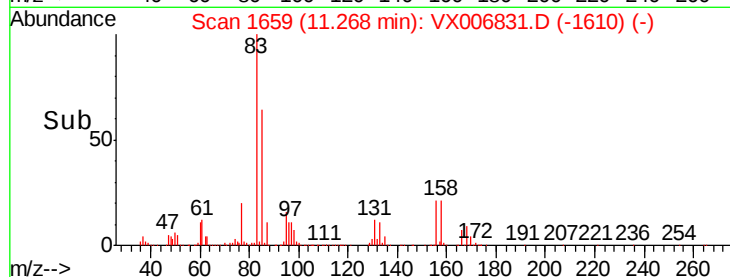
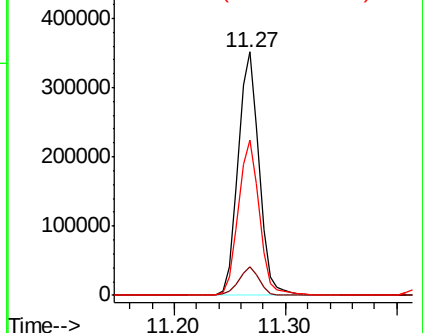
85 64.1 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 71.342 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. -0.01 min

Lab File: VX006831.D

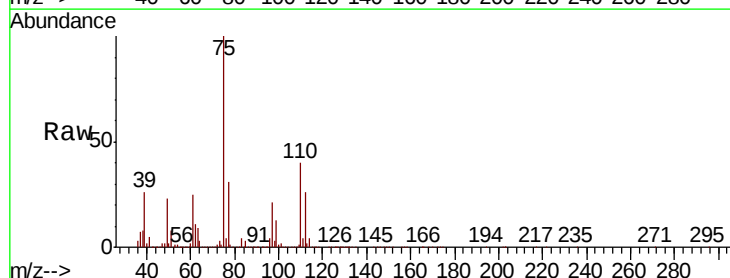
Acq: 27 Dec 2018 10:01

Tgt Ion: 75 Resp: 527542

Ion	Ratio	Lower	Upper
75	100		
77	31.9	18.5	55.5

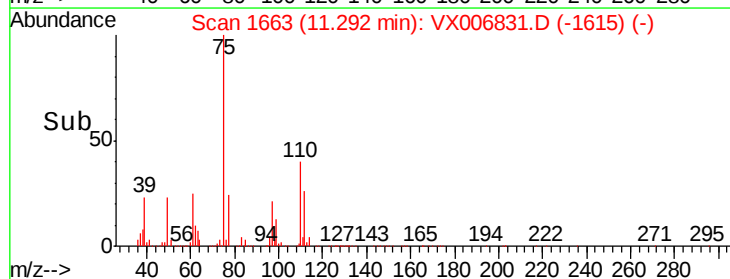
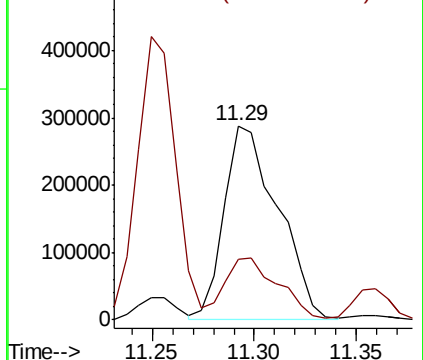
75 100

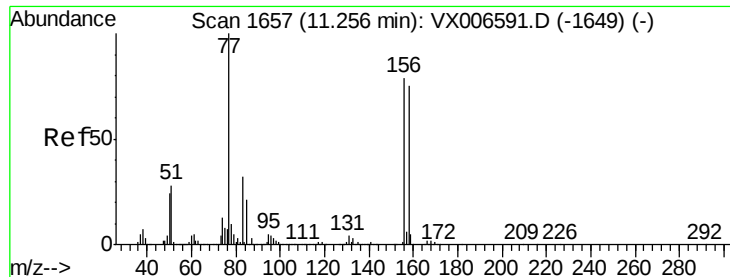
77 31.9 18.5 55.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 55.504 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX006831.D

Acq: 27 Dec 2018 10:01

Instrument :

MSVOA_X

ClientSampleId :

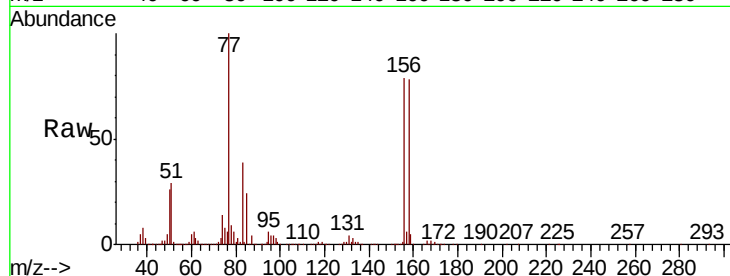
Tot Ion:156 Resp: 408467

Ion Ratio Lower Upper

156 100

77 134.0 68.0 204.0

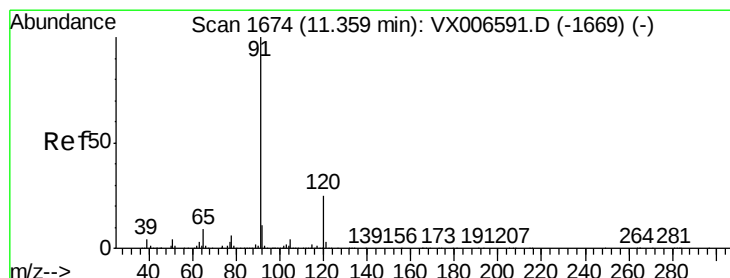
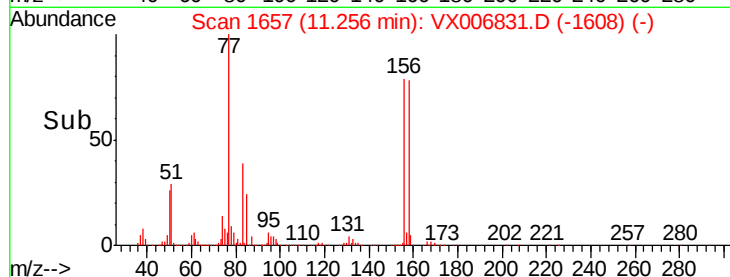
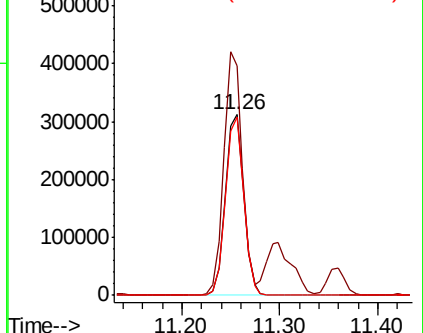
158 98.1 48.3 144.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.850 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX006831.D

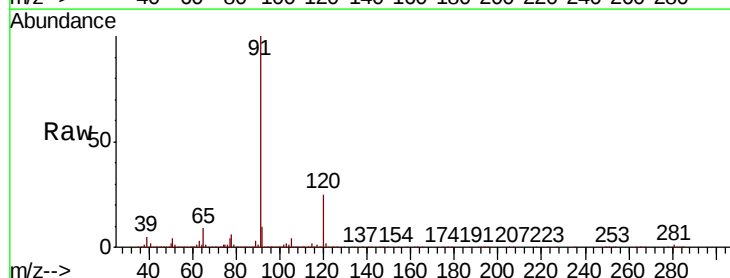
Acq: 27 Dec 2018 10:01

Tgt Ion: 91 Resp: 1524252

Ion Ratio Lower Upper

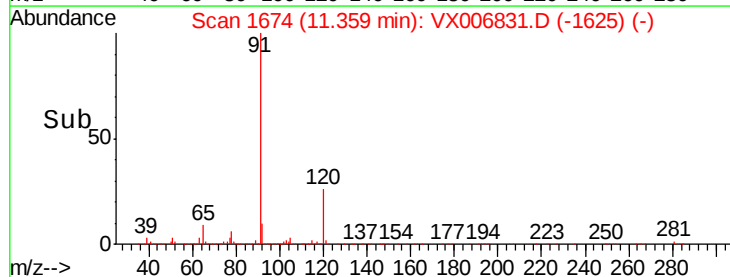
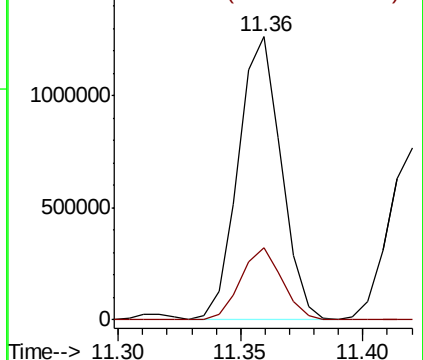
91 100

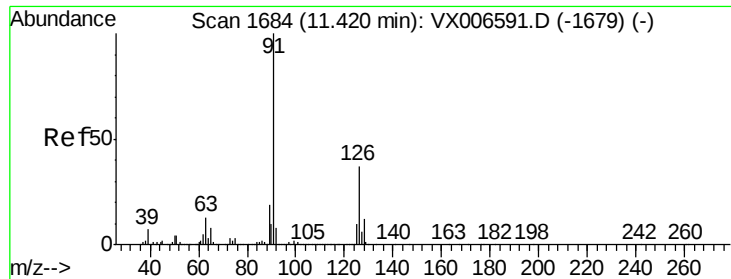
120 24.9 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.577 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX006831.D

Acq: 27 Dec 2018 10:01

Instrument :

MSVOA_X

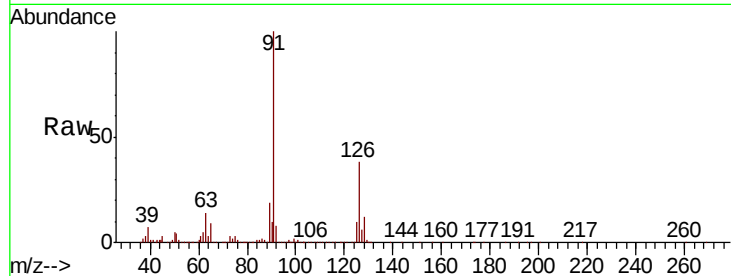
ClientSampleId :

Tot Ion: 91 Resp: 936919

Ion Ratio Lower Upper

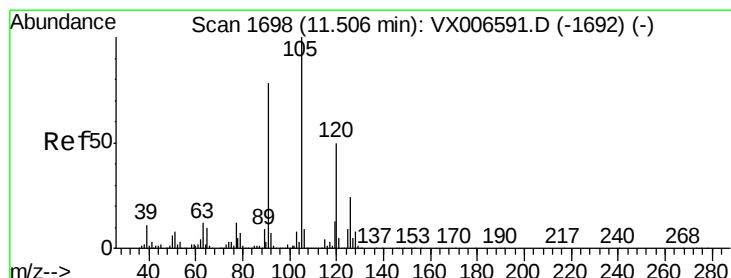
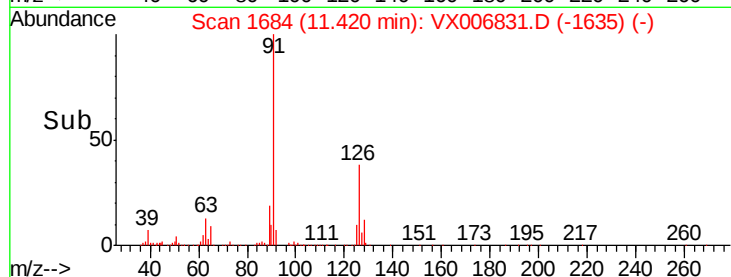
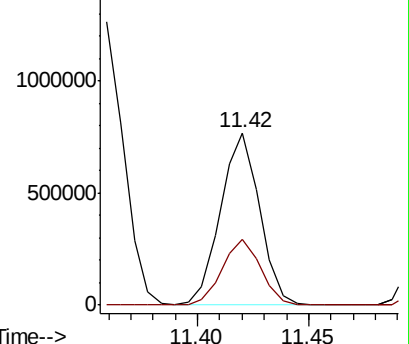
91 100

126 37.8 18.6 56.0



Abundance Ion 91.00 (90.70 to 91.70): VX006831.D (-1635) (-)

Ion 125.90 (125.60 to 126.60): VX006831.D (-1635) (-)



#80

1,3,5-Trimethylbenzene

Concen: 49.011 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX006831.D

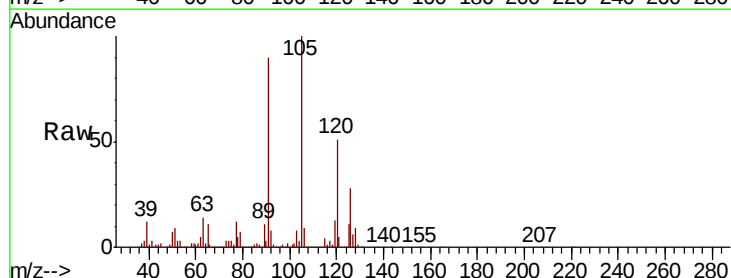
Acq: 27 Dec 2018 10:01

Tgt Ion:105 Resp: 1098869

Ion Ratio Lower Upper

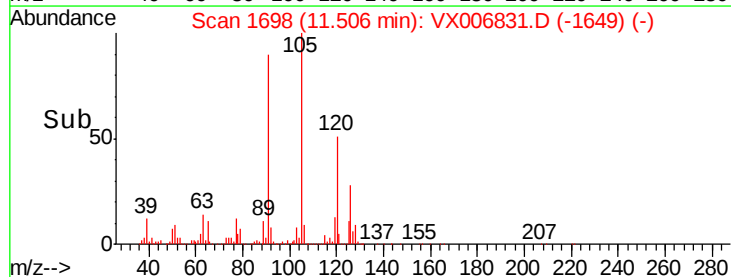
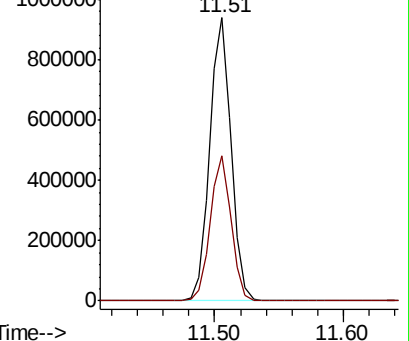
105 100

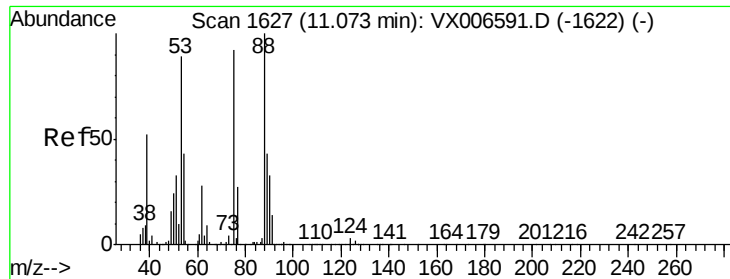
120 50.1 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): VX006831.D (-1649) (-)

Ion 120.00 (119.70 to 120.70): VX006831.D (-1649) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 54.726 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX006831.D

Acq: 27 Dec 2018 10:01

Instrument :

MSVOA_X

ClientSampleId :

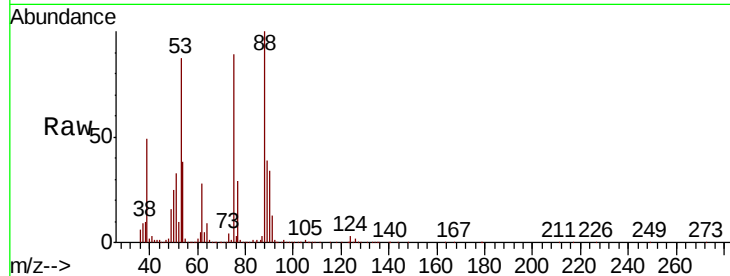
Tot Ion: 75 Resp: 134035

Ion Ratio Lower Upper

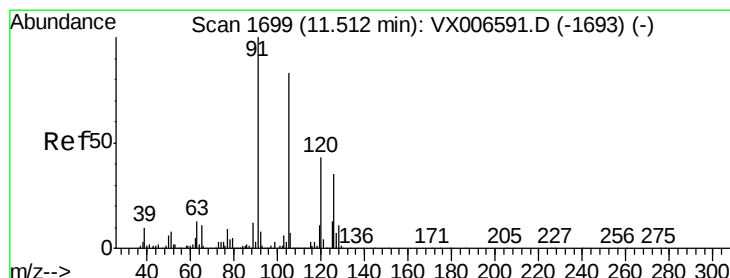
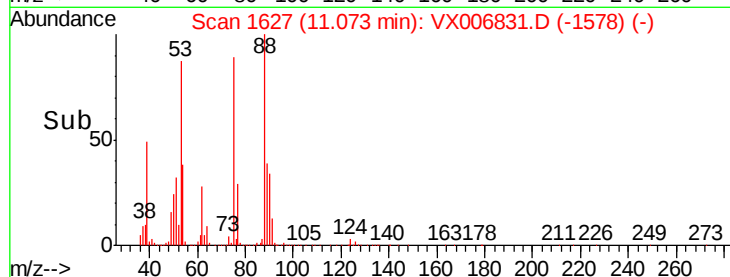
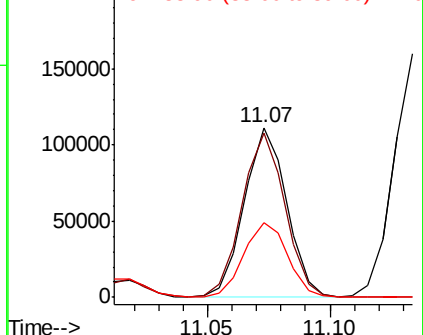
75 100

53 97.4 79.7 119.5

89 46.1 38.0 57.0



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 53.310 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX006831.D

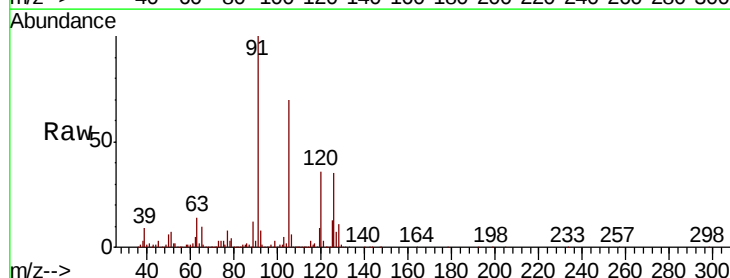
Acq: 27 Dec 2018 10:01

Tgt Ion: 91 Resp: 1110823

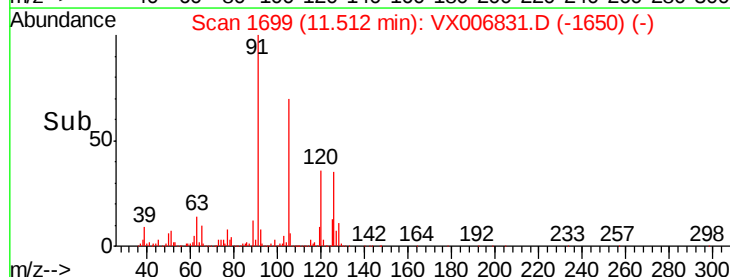
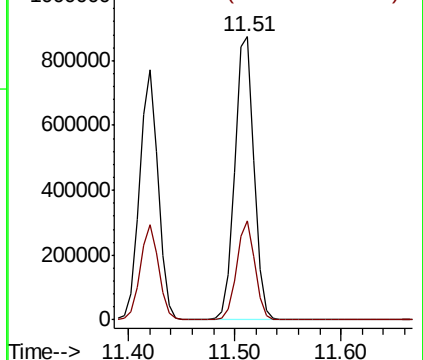
Ion Ratio Lower Upper

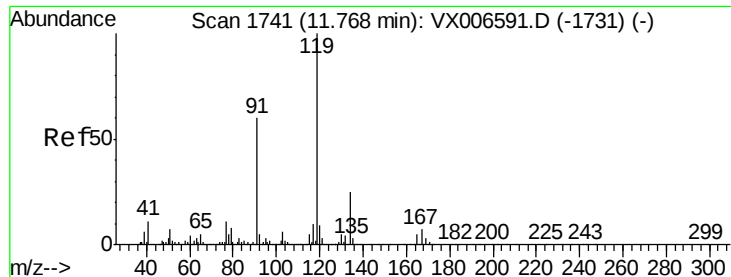
91 100

126 33.0 16.3 48.9



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





#83

tert-Butylbenzene

Concen: 48.233 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX006831.D

Acq: 27 Dec 2018 10:01

Instrument :

MSVOA_X

ClientSampled :

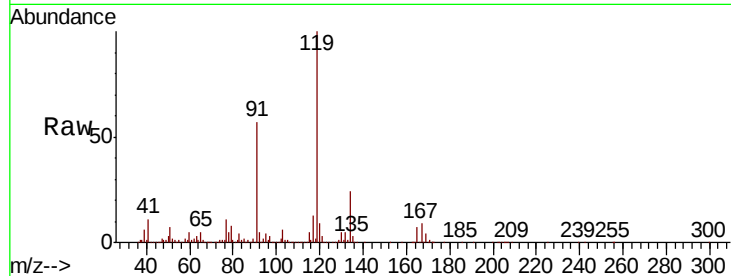
Tot Ion:119 Resp: 1082333

Ion Ratio Lower Upper

119 100

91 54.6 27.7 83.1

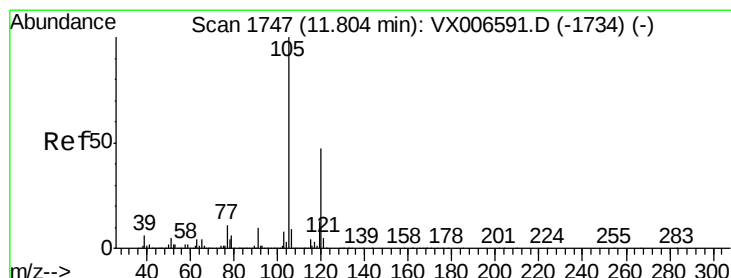
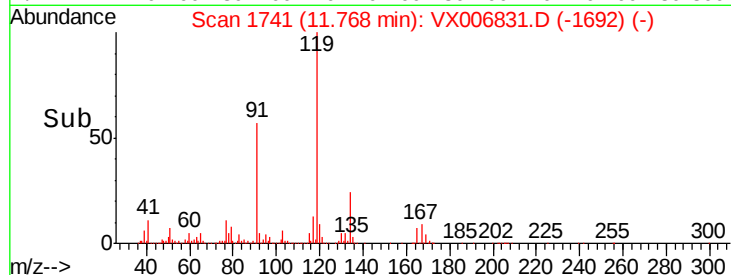
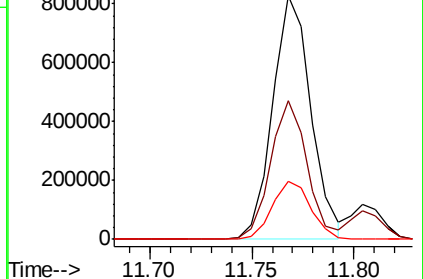
134 24.0 11.9 35.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 48.225 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX006831.D

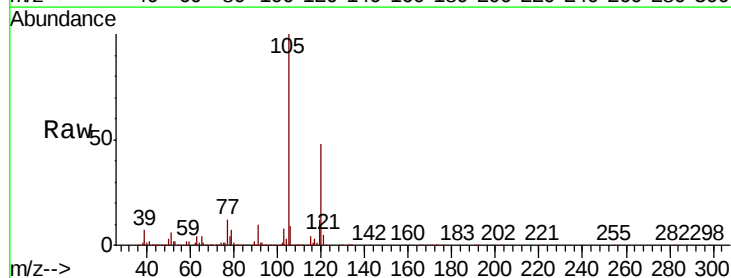
Acq: 27 Dec 2018 10:01

Tgt Ion:105 Resp: 1137291

Ion Ratio Lower Upper

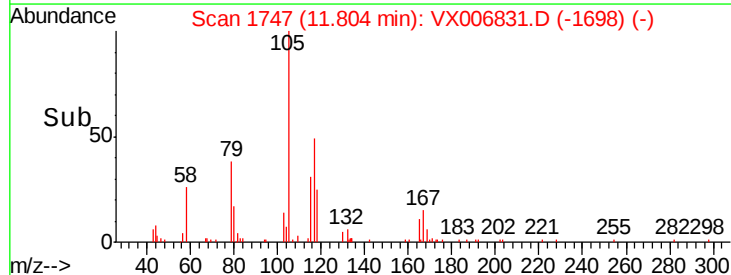
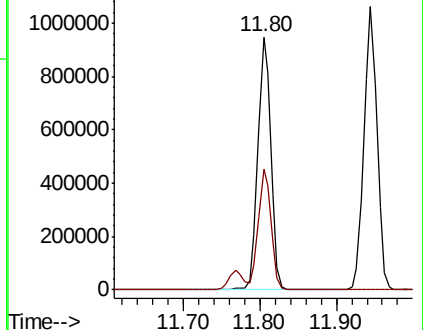
105 100

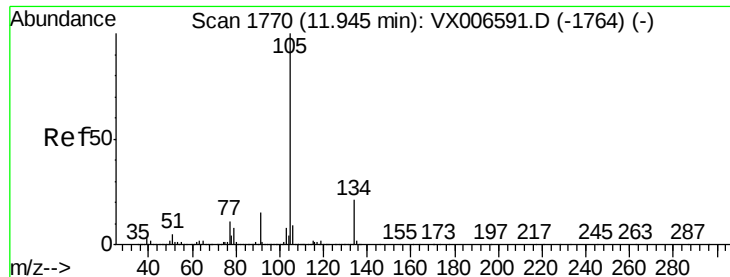
120 46.5 23.2 69.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

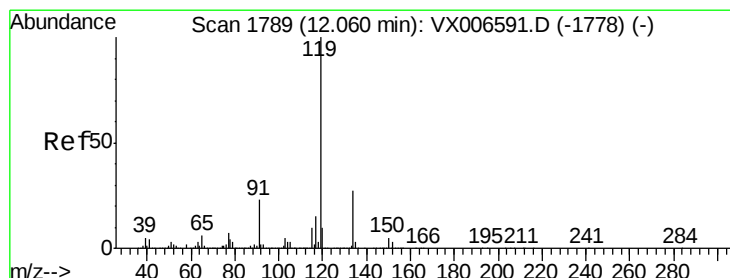
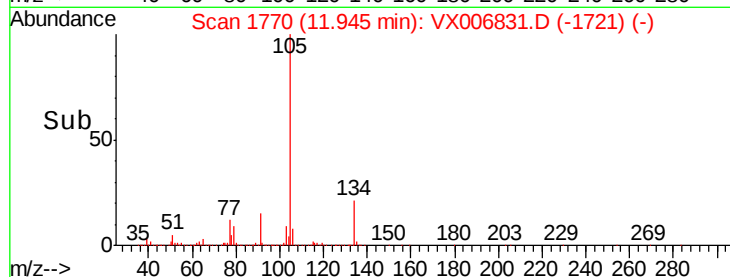
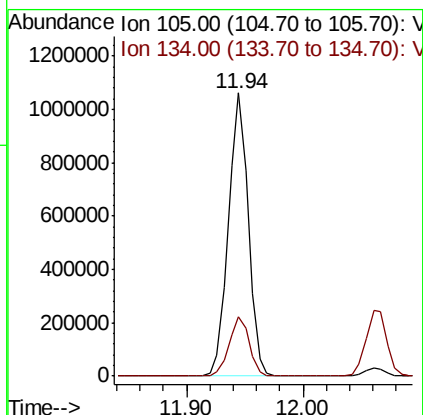
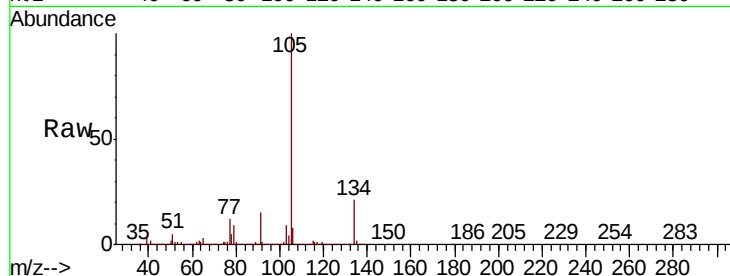




#85
 sec-Butylbenzene
 Concen: 45.628 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX006831.D
 Acq: 27 Dec 2018 10:01

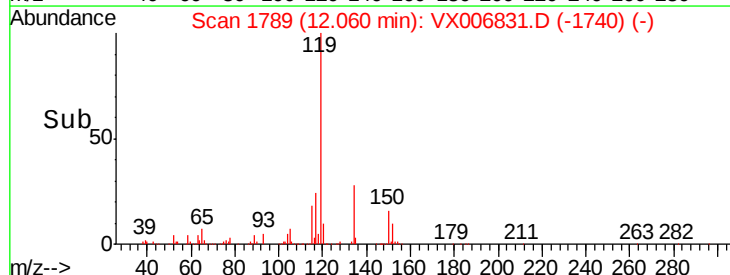
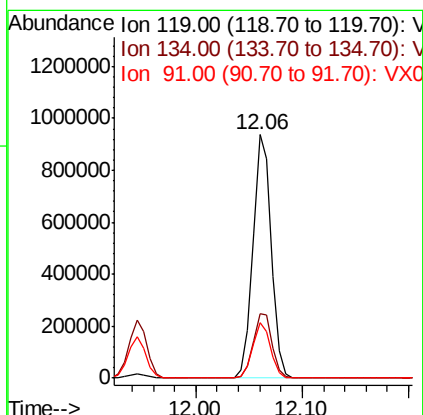
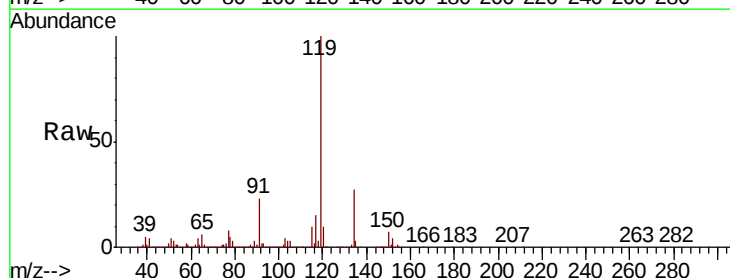
Instrument :
 MSVOA_X
 ClientSampleId :

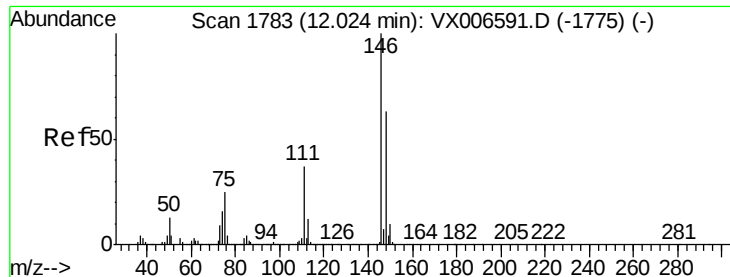
Tot Ion:105 Resp: 1255331
 Ion Ratio Lower Upper
 105 100
 134 21.3 10.7 31.9



#86
 p-Isopropyltoluene
 Concen: 46.655 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX006831.D
 Acq: 27 Dec 2018 10:01

Tgt Ion:119 Resp: 1128338
 Ion Ratio Lower Upper
 119 100
 134 27.3 14.0 41.9
 91 22.5 11.3 33.9

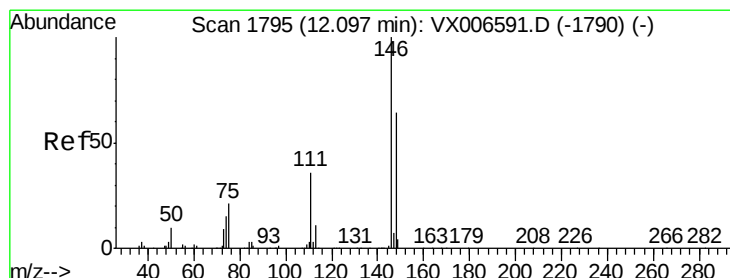
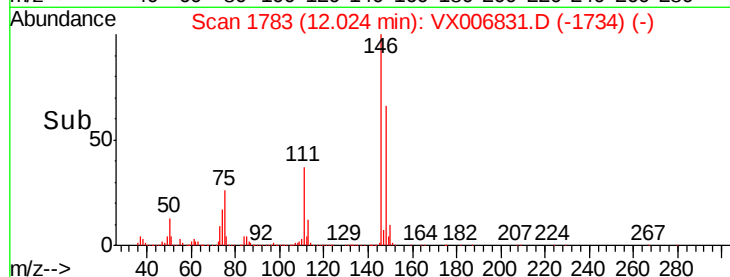
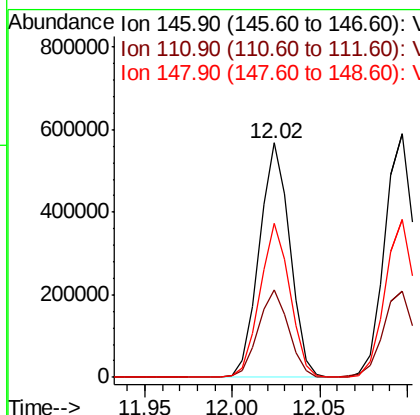
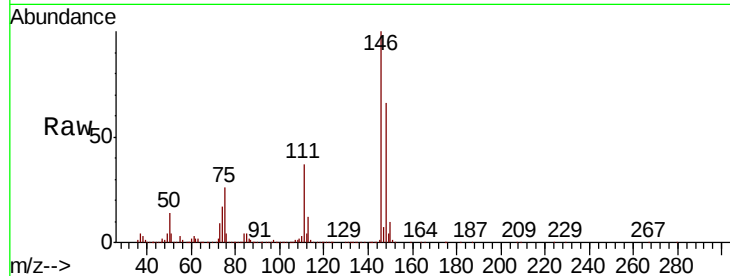




#87
 1,3-Dichlorobenzene
 Concen: 52.171 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX006831.D
 Acq: 27 Dec 2018 10:01

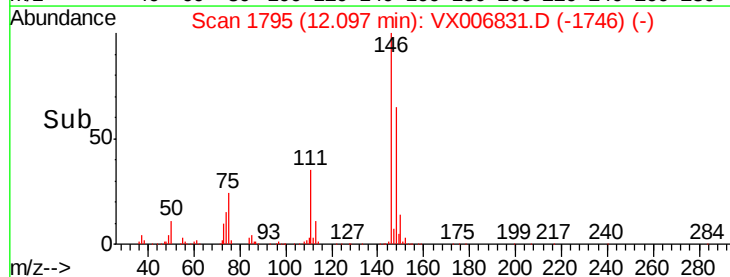
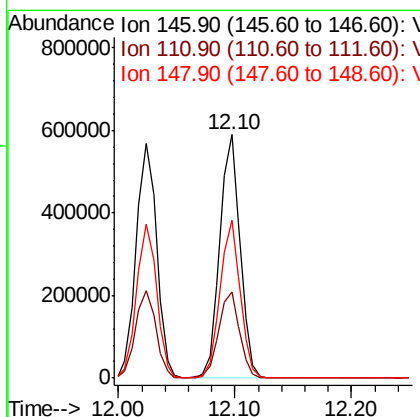
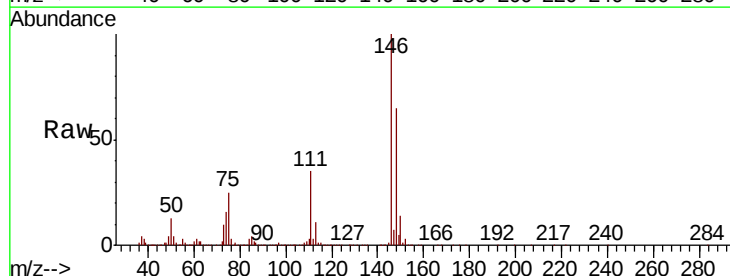
Instrument :
 MSVOA_X
 ClientSampleId :

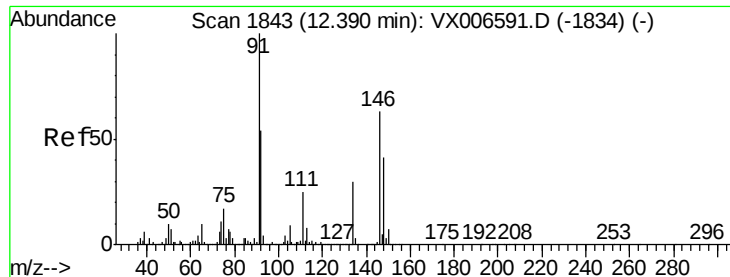
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.6	55.8
148	64.3	31.8	95.3



#88
 1,4-Dichlorobenzene
 Concen: 51.927 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX006831.D
 Acq: 27 Dec 2018 10:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.1	54.1
148	64.1	31.9	95.9





#89

n-Butylbenzene

Concen: 46.930 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.01 min

Lab File: VX006831.D

Acq: 27 Dec 2018 10:01

Instrument :

MSVOA_X

ClientSampled :

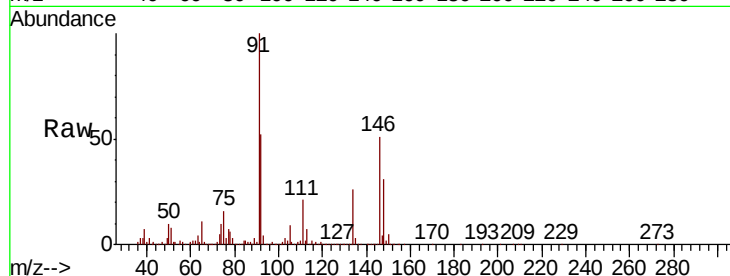
Tot Ion: 91 Resp: 965919

Ion Ratio Lower Upper

91 100

92 52.1 26.8 80.4

134 28.2 14.4 43.2

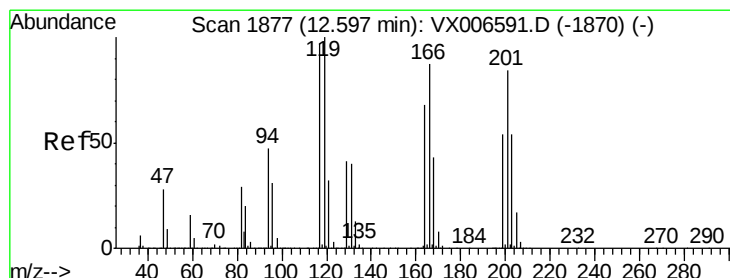
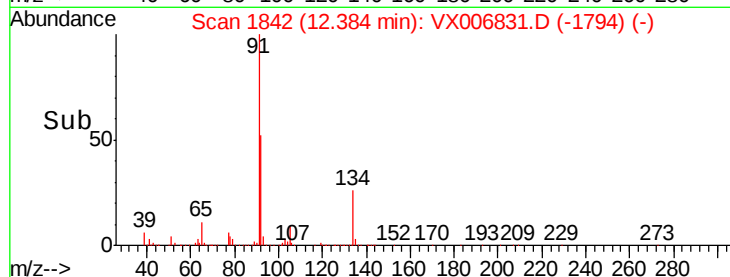


Abundance Ion 91.00 (90.70 to 91.70): VX006831.D (-1834) (-)

Ion 92.00 (91.70 to 92.70): VX006831.D (-1834) (-)

Ion 134.00 (133.70 to 134.70): VX006831.D (-1834) (-)

Time-->



#90

Hexachloroethane

Concen: 44.828 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX006831.D

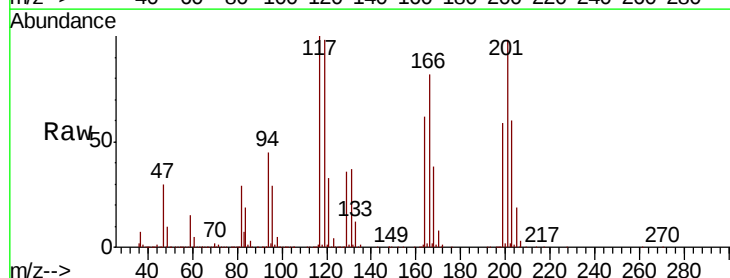
Acq: 27 Dec 2018 10:01

Tgt Ion: 117 Resp: 168295

Ion Ratio Lower Upper

117 100

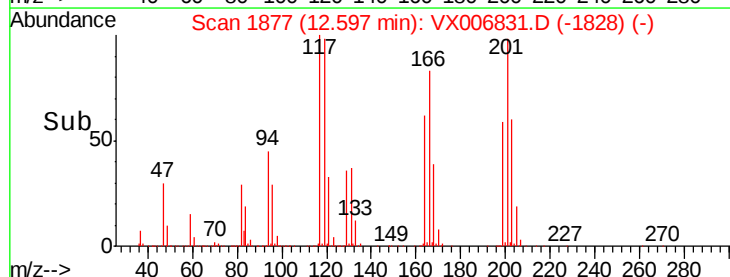
201 90.9 42.9 128.7



Abundance Ion 116.80 (116.50 to 117.50): VX006831.D (-1870) (-)

Ion 200.70 (200.40 to 201.40): VX006831.D (-1870) (-)

Time-->





#91

1,2-Dichlorobenzene

Concen: 51.588 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX006831.D

Acq: 27 Dec 2018 10:01

Instrument :

MSVOA_X

ClientSampled :

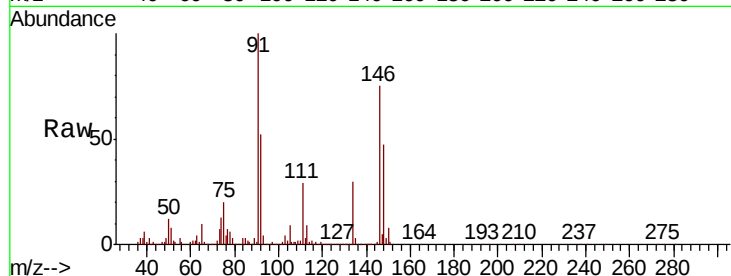
Tot Ion:146 Resp: 684458

Ion Ratio Lower Upper

146 100

111 38.4 19.4 58.2

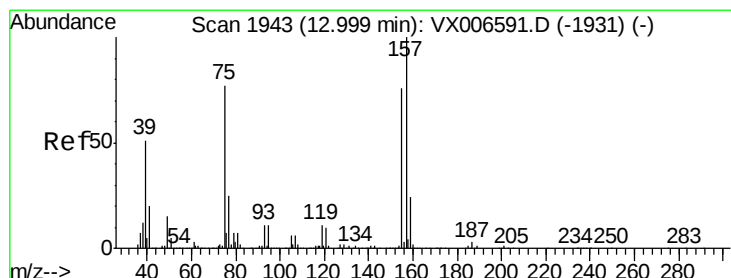
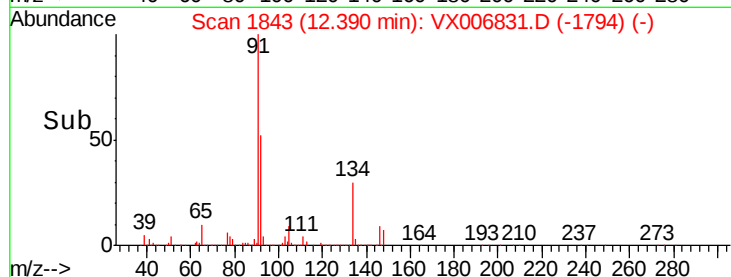
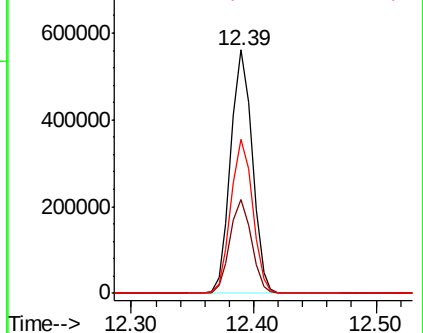
148 63.7 32.3 96.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 54.259 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX006831.D

Acq: 27 Dec 2018 10:01

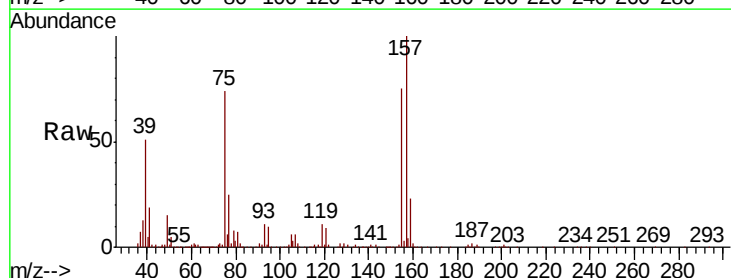
Tgt Ion: 75 Resp: 90888

Ion Ratio Lower Upper

75 100

155 101.1 50.6 151.8

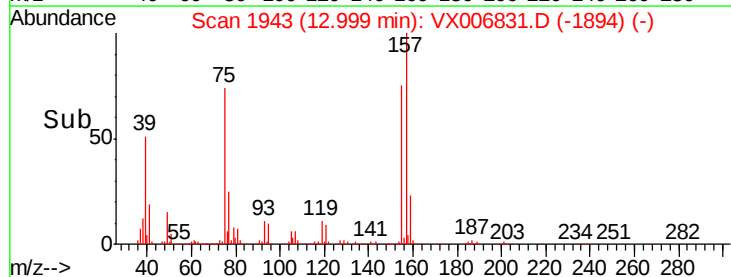
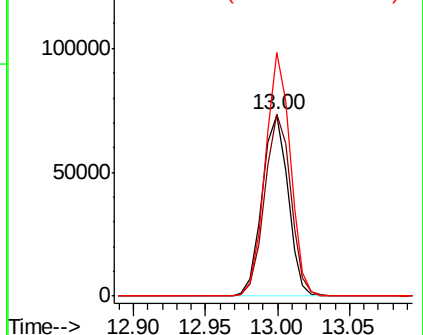
157 129.4 64.6 193.8

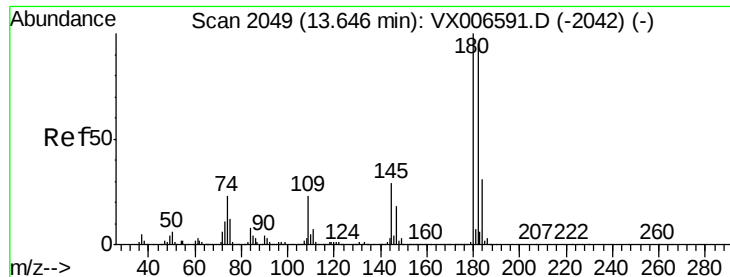


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

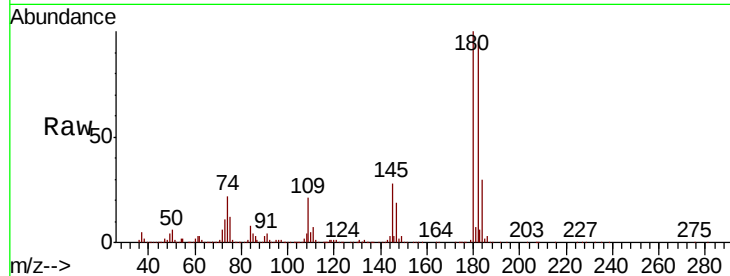




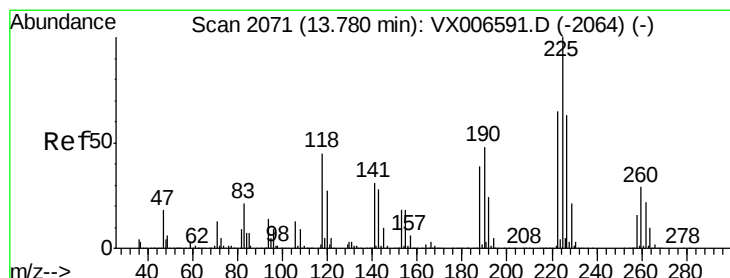
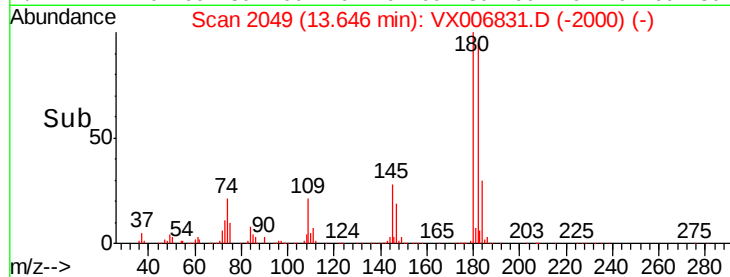
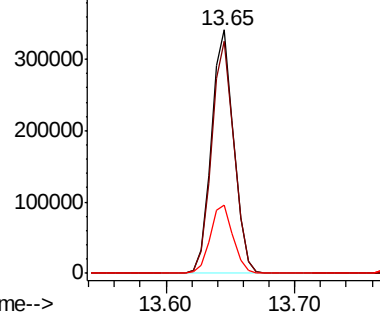
#93
 1,2,4-Trichlorobenzene
 Concen: 44.836 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX006831.D
 Acq: 27 Dec 2018 10:01

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:180 Resp: 410344
 Ion Ratio Lower Upper
 180 100
 182 95.7 47.3 142.0
 145 28.9 14.8 44.3

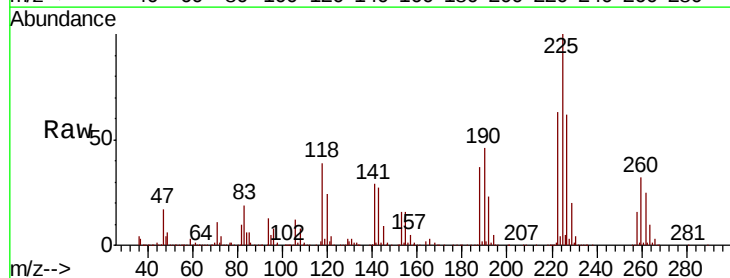


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

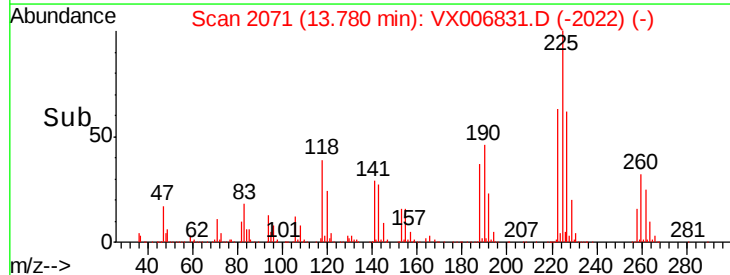
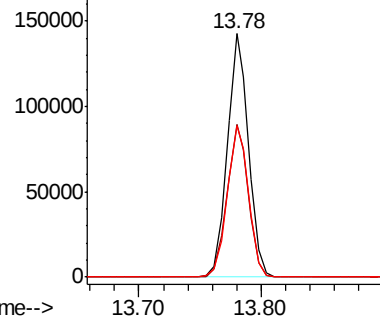


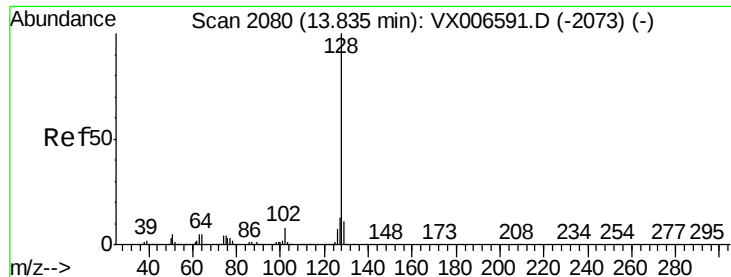
#94
 Hexachlorobutadiene
 Concen: 39.860 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX006831.D
 Acq: 27 Dec 2018 10:01

Tgt Ion:225 Resp: 171947
 Ion Ratio Lower Upper
 225 100
 223 63.1 32.1 96.3
 227 63.2 32.3 96.8



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





#95

Naphthalene

Concen: 42.497 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX006831.D

Acq: 27 Dec 2018 10:01

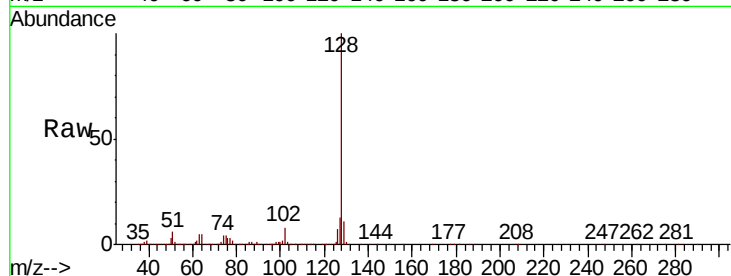
Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:128 Resp: 1241343

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.1	15.1
129	10.9	8.6	13.0

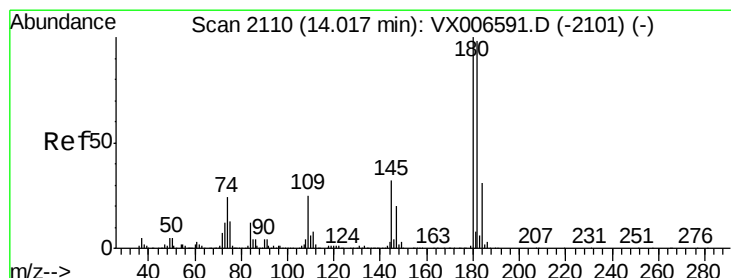
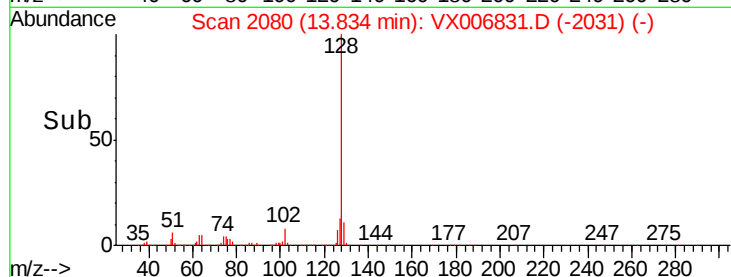
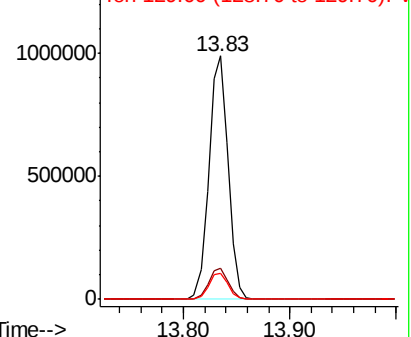


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 41.169 ug/l

RT: 14.02 min Scan# 2110

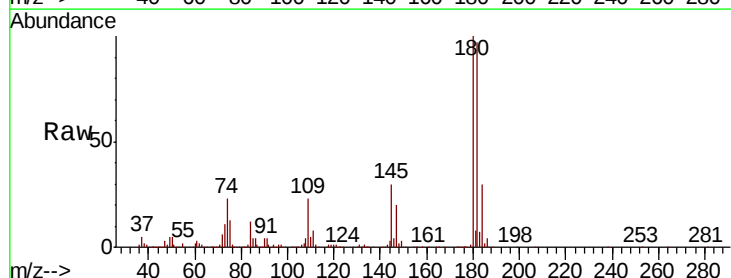
Delta R.T. -0.00 min

Lab File: VX006831.D

Acq: 27 Dec 2018 10:01

Tgt Ion:180 Resp: 389018

Ion	Ratio	Lower	Upper
180	100		
182	96.6	48.5	145.5
145	30.7	16.0	47.9



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

