

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081919\
 Data File : VW011994.D
 Acq On : 19 Aug 2019 16:23
 Operator : SY/VA
 Sample : VSTDCCC050EC
 Misc : 5.05G/5ML/MSVOA W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 19 16:48:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	253920	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	404016	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	352647	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	170293	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	134923	46.27	ug/l	0.00
Spiked Amount			Recovery	=	92.54%	
35) Dibromofluoromethane	7.88	113	114556	50.54	ug/l	0.00
Spiked Amount			Recovery	=	101.08%	
50) Toluene-d8	10.32	98	467645	50.39	ug/l	0.00
Spiked Amount			Recovery	=	100.78%	
62) 4-Bromofluorobenzene	12.62	95	165572	50.04	ug/l	0.00
Spiked Amount			Recovery	=	100.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	72188	51.011	ug/l	99
3) Chloromethane	2.21	50	124077	50.564	ug/l	100
4) Vinyl Chloride	2.36	62	160944	54.478	ug/l	99
5) Bromomethane	2.77	94	83951	51.339	ug/l	97
6) Chloroethane	2.92	64	93502	55.407	ug/l	98
7) Trichlorofluoromethane	3.25	101	81192	61.495	ug/l	94
8) Diethyl Ether	3.68	74	80335	53.665	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	142140	56.752	ug/l	99
10) Methyl Iodide	4.27	142	202615	57.245	ug/l	98
11) Tert butyl alcohol	5.17	59	55979	260.930	ug/l	99
12) 1,1-Dichloroethene	4.04	96	148192	56.039	ug/l	99
13) Acrolein	3.89	56	40910	195.544	ug/l	97
14) Allyl chloride	4.67	41	314631	55.939	ug/l	99
15) Acrylonitrile	5.36	53	204235	273.305	ug/l	99
16) Acetone	4.12	43	221579	238.904	ug/l	100
17) Carbon Disulfide	4.39	76	430101	51.965	ug/l	99
18) Methyl Acetate	4.67	43	105982	50.866	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	235858	56.204	ug/l	97
20) Methylene Chloride	4.92	84	162303	50.740	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	159228	55.849	ug/l	94
22) Diisopropyl ether	6.31	45	595695	56.175	ug/l	98
23) Vinyl Acetate	6.25	43	1841955	276.434	ug/l	99
24) 1,1-Dichloroethane	6.21	63	318209	56.029	ug/l	100
25) 2-Butanone	7.17	43	305544	251.759	ug/l	98
26) 2,2-Dichloropropane	7.17	77	179662	51.439	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	175833	56.037	ug/l	98
28) Bromochloromethane	7.51	49	136872	54.296	ug/l	97
29) Tetrahydrofuran	7.53	42	187282	269.966	ug/l	98
30) Chloroform	7.68	83	288976	55.153	ug/l	99
31) Cyclohexane	7.96	56	296558	54.398	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	232208	58.193	ug/l	98
36) 1,1-Dichloropropene	8.08	75	244541	58.210	ug/l	100
37) Ethyl Acetate	7.25	43	130785	54.111	ug/l	99
38) Carbon Tetrachloride	8.07	117	211680	58.859	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	277808	60.056	ug/l	99
40) Benzene	8.32	78	673571	57.241	ug/l	99
41) Methacrylonitrile	7.48	41	78300	54.195	ug/l	97
42) 1,2-Dichloroethane	8.40	62	205414	55.756	ug/l	99
43) Isopropyl Acetate	8.42	43	251626	56.609	ug/l	100
44) Trichloroethene	9.09	130	166300	58.800	ug/l	99
45) 1,2-Dichloropropane	9.37	63	182373	57.923	ug/l	99
46) Dibromomethane	9.46	93	80841	56.255	ug/l	98
47) Bromodichloromethane	9.65	83	216676	57.480	ug/l	98
48) Methyl methacrylate	9.43	41	121181	56.754	ug/l	99
49) 1,4-Dioxane	9.45	88	25765	1238.248	ug/l	94
51) 4-Methyl-2-Pentanone	10.21	43	647000	279.838	ug/l	99
52) Toluene	10.39	92	415655	58.491	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	229088	58.178	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	274094	58.543	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	117388	57.572	ug/l	98
56) Ethyl methacrylate	10.65	69	178119	59.698	ug/l	98
57) 1,3-Dichloropropane	10.93	76	222034	57.559	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	444157	327.864	ug/l	99
59) 2-Hexanone	10.97	43	468018	286.695	ug/l	98
60) Dibromochloromethane	11.13	129	131017	57.888	ug/l	100
61) 1,2-Dibromoethane	11.24	107	110438	57.235	ug/l	100
64) Tetrachloroethene	10.86	164	135619	59.065	ug/l	98
65) Chlorobenzene	11.66	112	413936	58.384	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	146273	59.230	ug/l	100
67) Ethyl Benzene	11.73	91	804587	59.586	ug/l	99
68) m/p-Xylenes	11.84	106	583648	118.854	ug/l	99
69) o-Xylene	12.16	106	274406	60.134	ug/l	99
70) Styrene	12.18	104	473650	60.033	ug/l	99
71) Bromoform	12.35	173	74697	59.324	ug/l #	98
73) Isopropylbenzene	12.46	105	769028	60.533	ug/l	100
74) N-amyl acetate	12.27	43	242580	60.990	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	136609	57.167	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	184671	102.487	ug/l #	100
77) Bromobenzene	12.74	156	164962	58.747	ug/l	99
78) n-propylbenzene	12.80	91	936138	60.548	ug/l	99
79) 2-Chlorotoluene	12.89	91	528512	59.335	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	647291	60.782	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	47456	60.697	ug/l	99
82) 4-Chlorotoluene	12.99	91	540261	57.810	ug/l	99
83) tert-Butylbenzene	13.21	119	555418	62.368	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	646479	60.263	ug/l	100
85) sec-Butylbenzene	13.38	105	785547	61.820	ug/l	100
86) p-Isopropyltoluene	13.50	119	712121	61.767	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	324842	58.999	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	320525	58.521	ug/l	99
89) n-Butylbenzene	13.82	91	715397	62.179	ug/l	100
90) Hexachloroethane	14.09	117	124558	61.097	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	286956	58.927	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	23359	57.323	ug/l	93

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Quant Title : SW846 8260
QLast Update : Sat Jul 27 00:23:30 2019
Response via : Initial Calibration

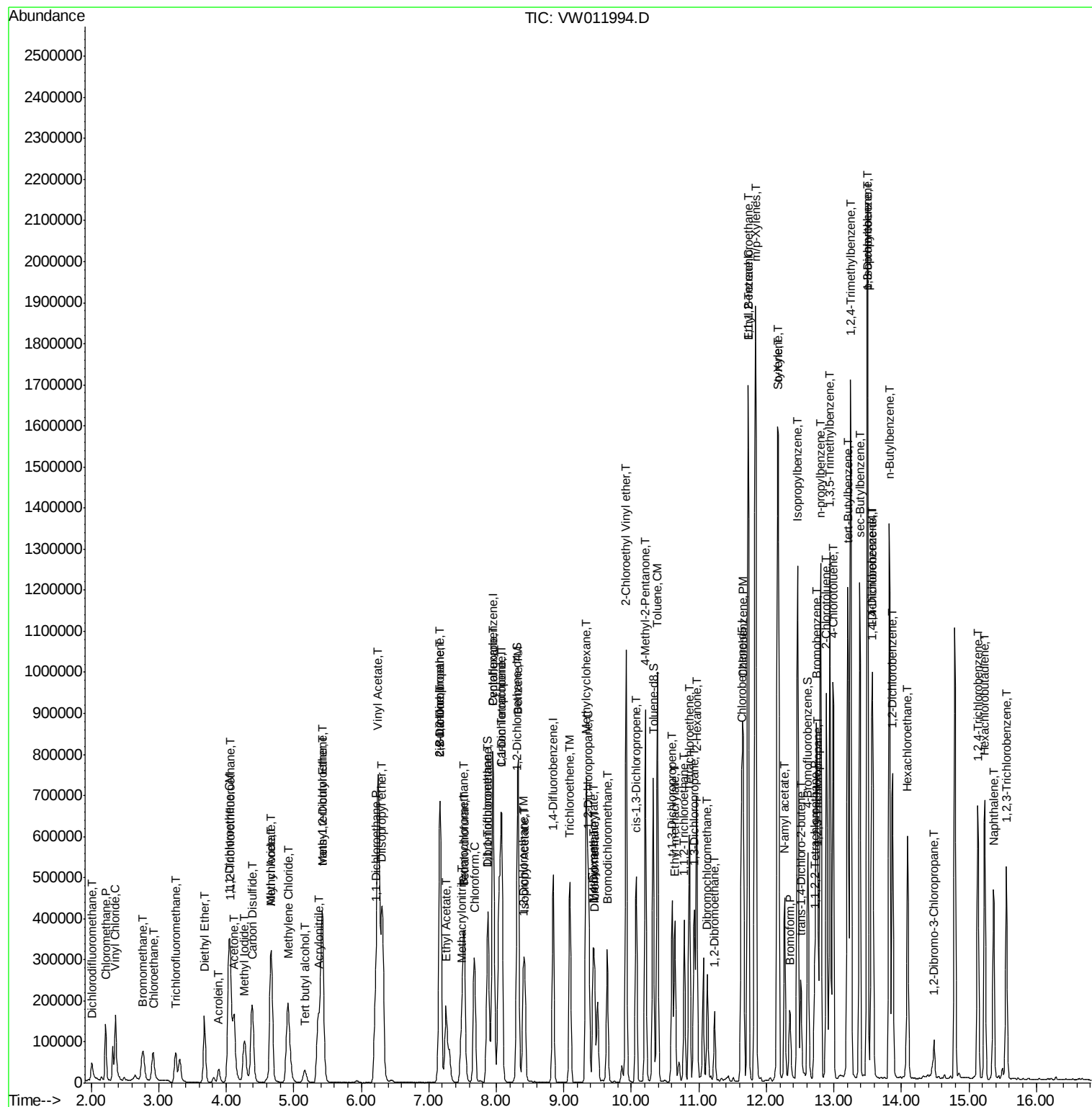
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	206391	60.137	ug/l	99
94) Hexachlorobutadiene	15.24	225	133706	62.471	ug/l	98
95) Naphthalene	15.36	128	378995	56.111	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	180756	60.084	ug/l	99

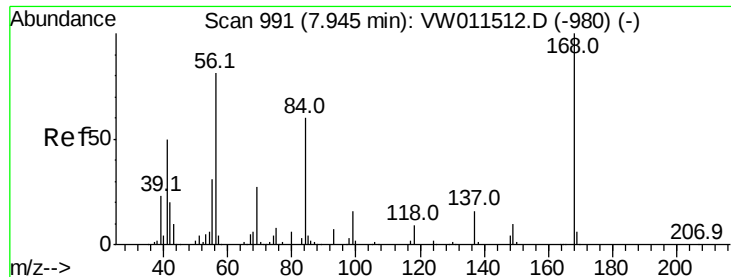
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW081919\
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 Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW011994.D

Acq: 19 Aug 2019 16:23

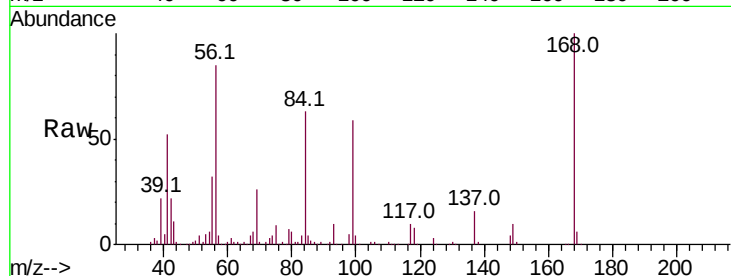
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 253920

Ion Ratio Lower Upper

168 100

99 58.9 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

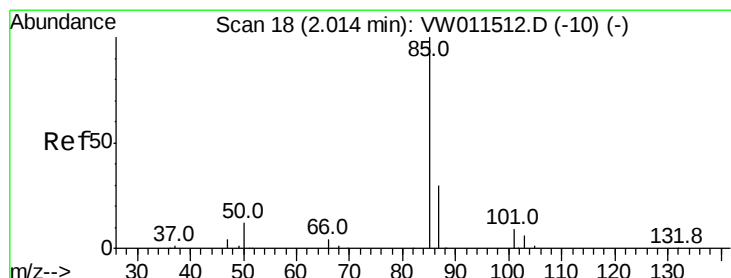
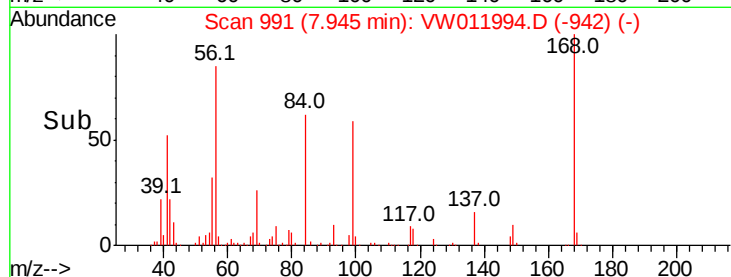
7.95

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 51.011 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW011994.D

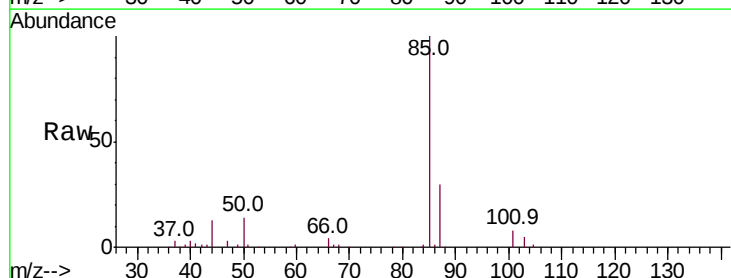
Acq: 19 Aug 2019 16:23

Tgt Ion: 85 Resp: 72188

Ion Ratio Lower Upper

85 100

87 30.1 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

25000

20000

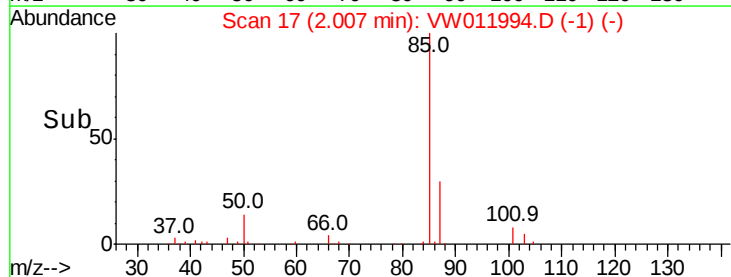
15000

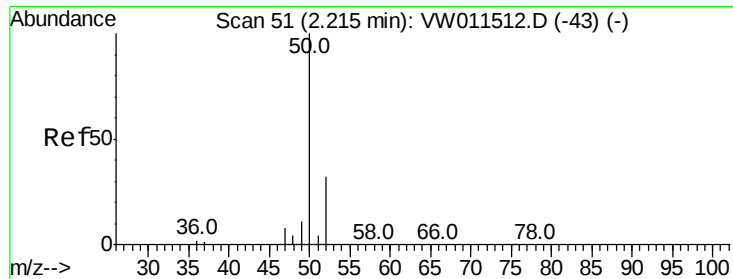
10000

5000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 50.564 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW011994.D

Acq: 19 Aug 2019 16:23

Instrument :

MSVOA_W

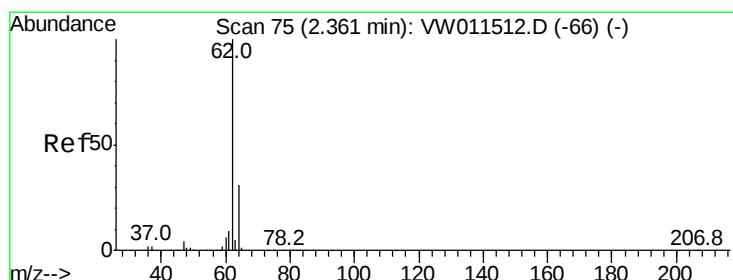
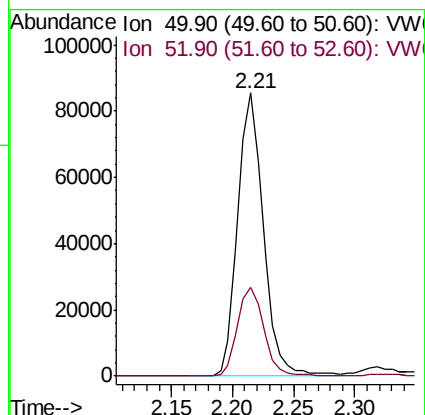
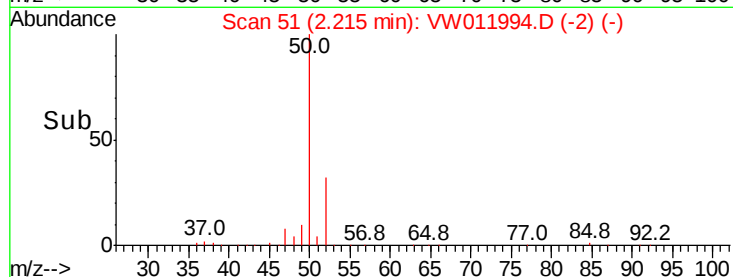
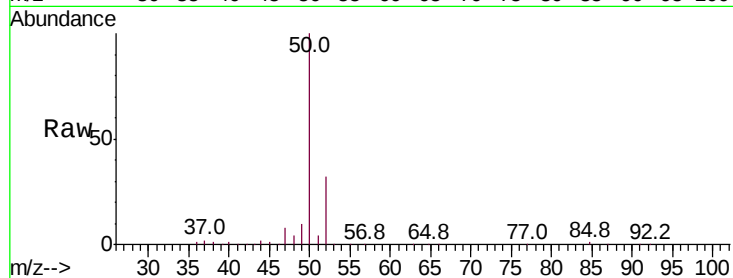
ClientSampleId :

Tot Ion: 50 Resp: 124077

Ion Ratio Lower Upper

50 100

52 31.5 25.4 38.2



#4

Vinyl Chloride

Concen: 54.478 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW011994.D

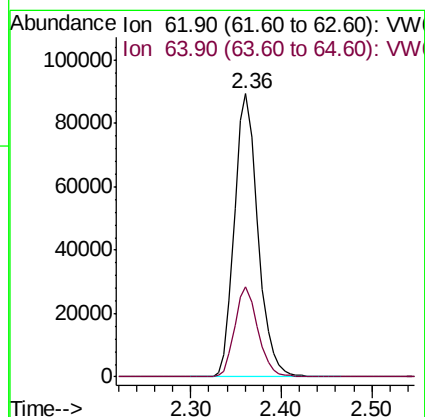
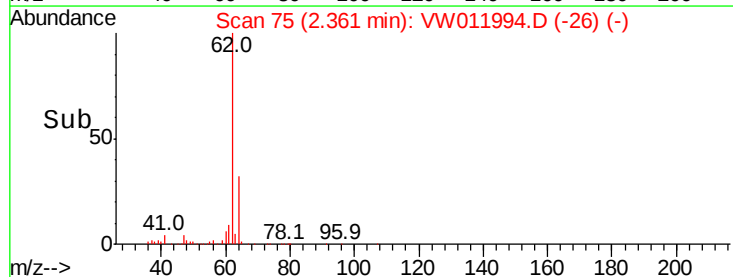
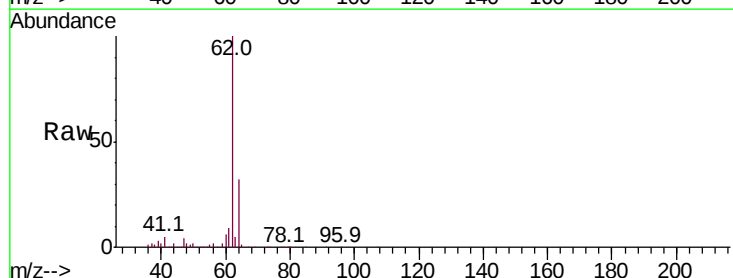
Acq: 19 Aug 2019 16:23

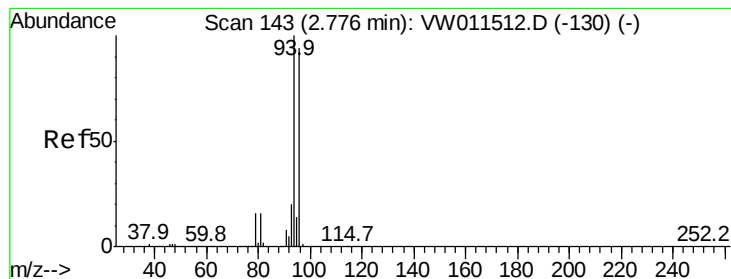
Tgt Ion: 62 Resp: 160944

Ion Ratio Lower Upper

62 100

64 31.9 25.0 37.4





#5

Bromomethane

Concen: 51.339 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW011994.D

Acq: 19 Aug 2019 16:23

Instrument :

MSVOA_W

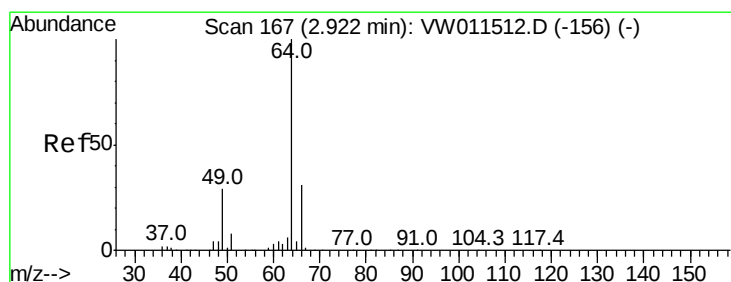
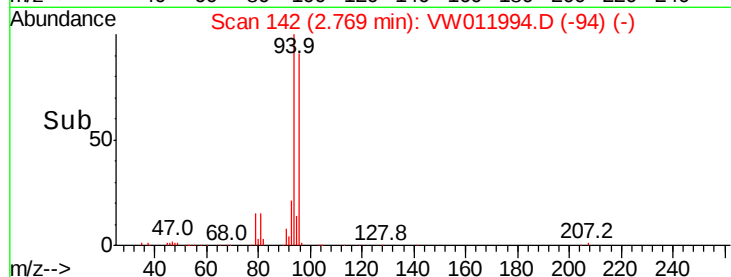
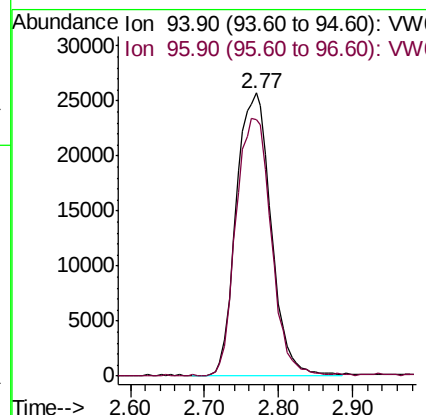
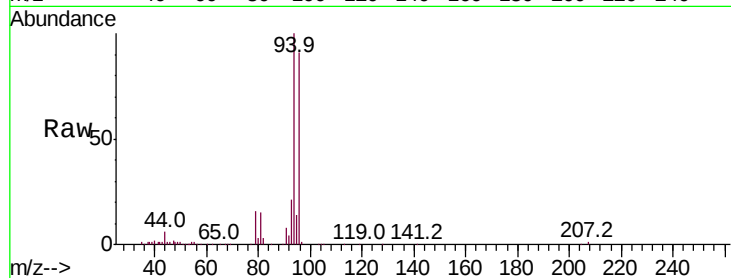
ClientSampleId :

Tot Ion: 94 Resp: 83951

Ion Ratio Lower Upper

94 100

96 90.5 75.0 112.6



#6

Chloroethane

Concen: 55.407 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW011994.D

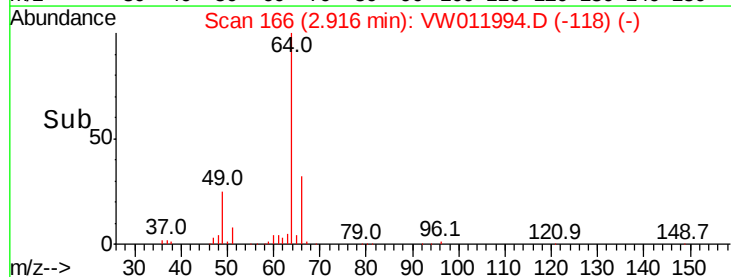
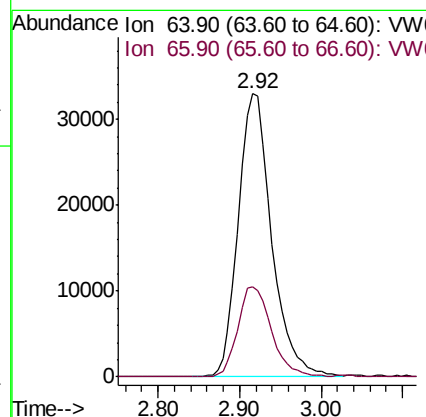
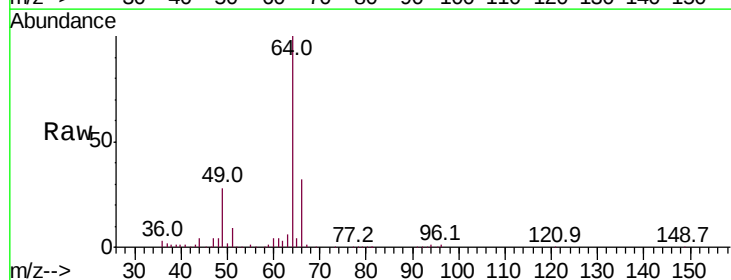
Acq: 19 Aug 2019 16:23

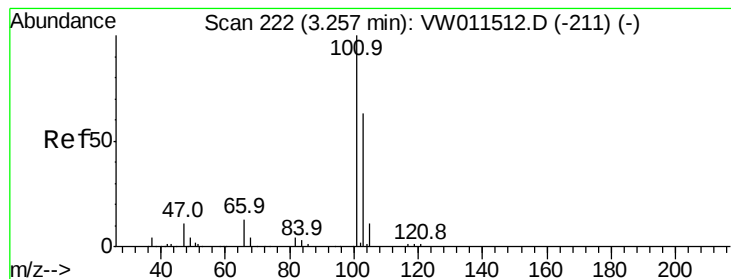
Tgt Ion: 64 Resp: 93502

Ion Ratio Lower Upper

64 100

66 31.8 24.6 36.8



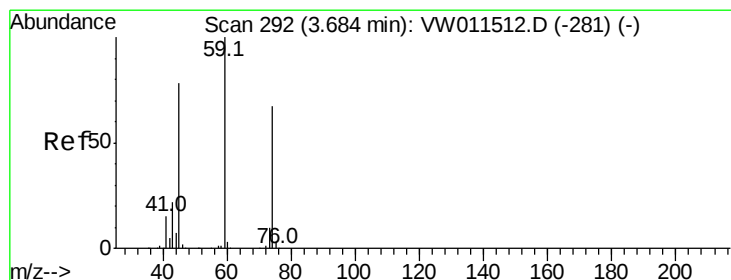
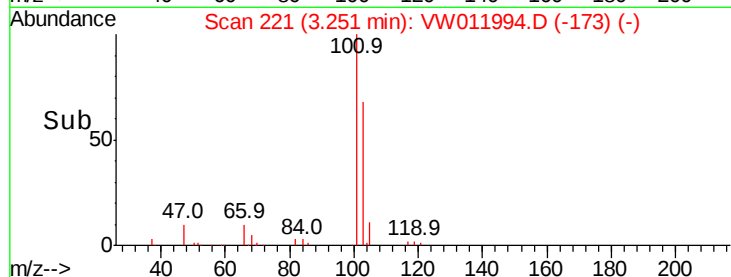
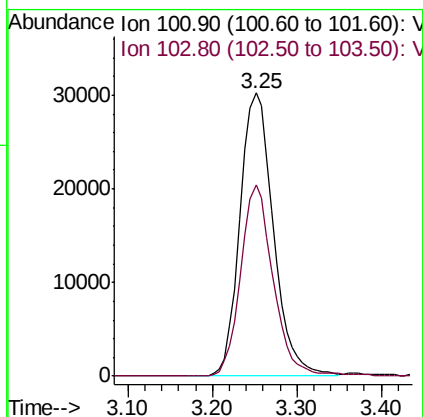
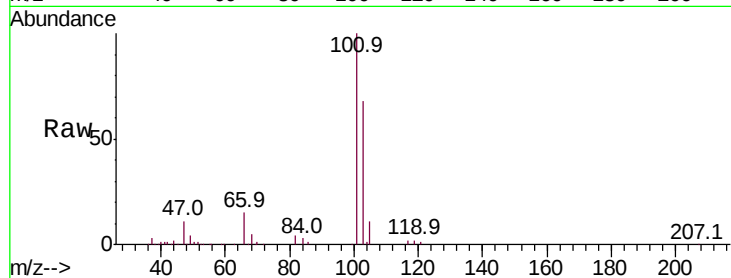


#7

Trichlorofluoromethane
 Concen: 61.495 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW011994.D
 Acq: 19 Aug 2019 16:23

Instrument :
 MSVOA_W
 ClientSampleId :

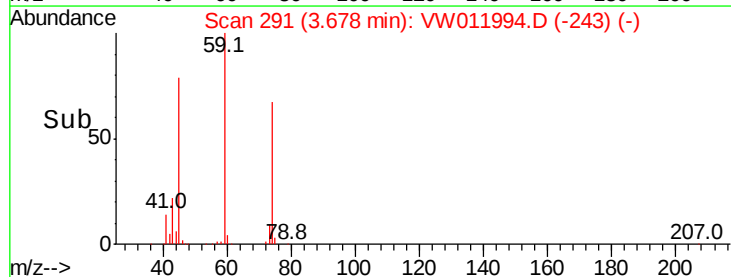
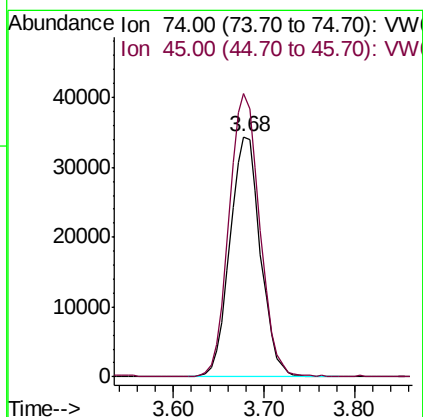
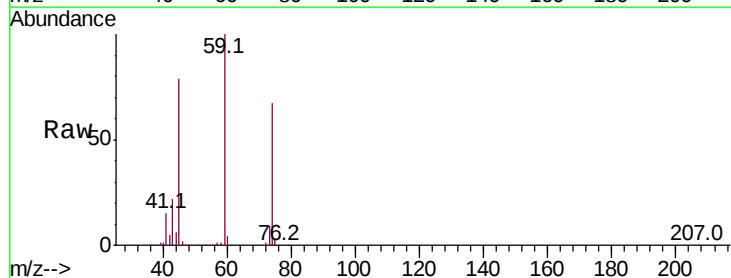
Tot Ion:101 Resp: 81192
 Ion Ratio Lower Upper
 101 100
 103 67.7 50.2 75.4

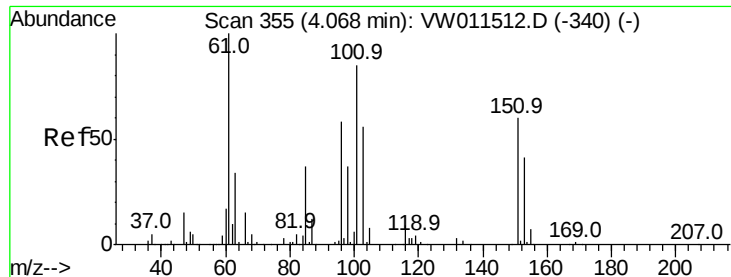


#8

Diethyl Ether
 Concen: 53.665 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW011994.D
 Acq: 19 Aug 2019 16:23

Tgt Ion: 74 Resp: 80335
 Ion Ratio Lower Upper
 74 100
 45 118.3 59.6 178.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 56.752 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW011994.D

Acq: 19 Aug 2019 16:23

Instrument :

MSVOA_W

ClientSampleId :

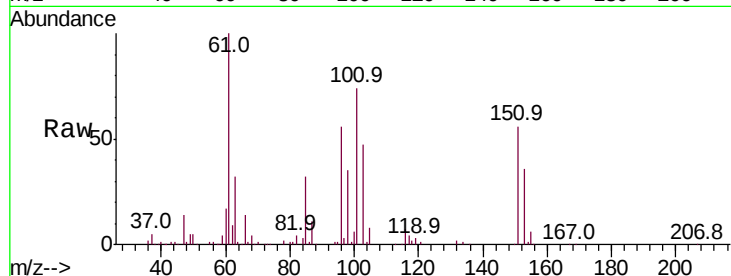
Tot Ion:101 Resp: 142140

Ion Ratio Lower Upper

101 100

85 45.0 36.6 54.8

151 75.9 60.2 90.2

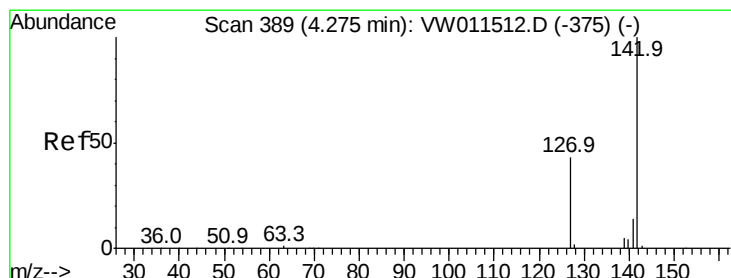
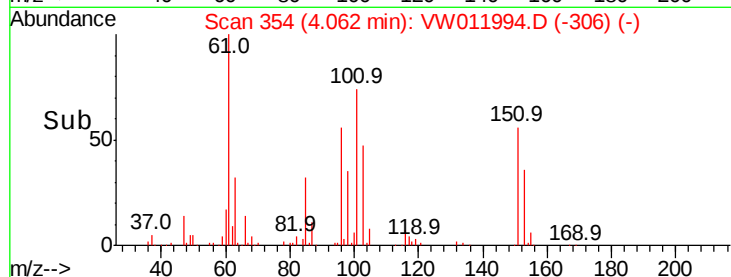
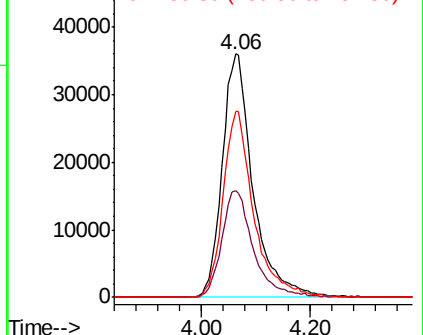


Abundance

Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 57.245 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.01 min

Lab File: VW011994.D

Acq: 19 Aug 2019 16:23

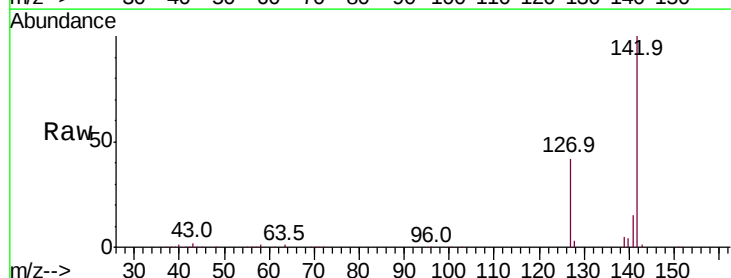
Tgt Ion:142 Resp: 202615

Ion Ratio Lower Upper

142 100

127 42.5 35.0 52.6

141 14.8 11.9 17.9

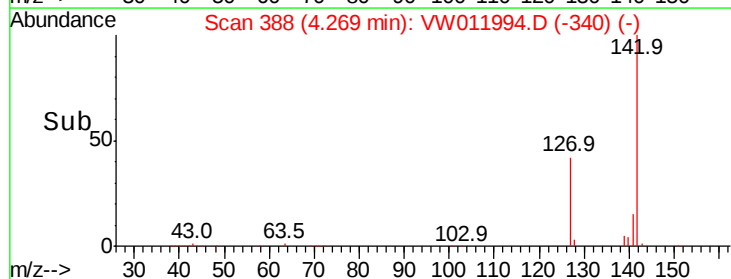
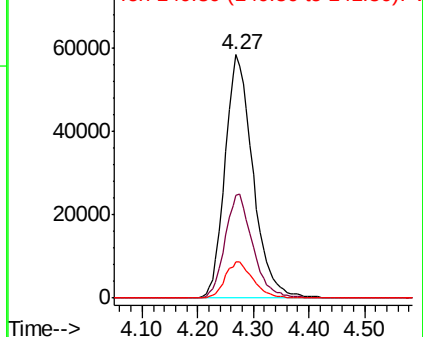


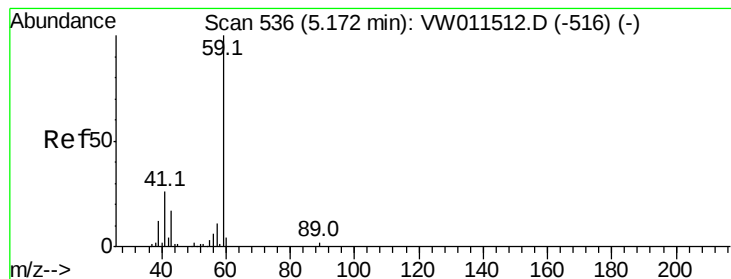
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



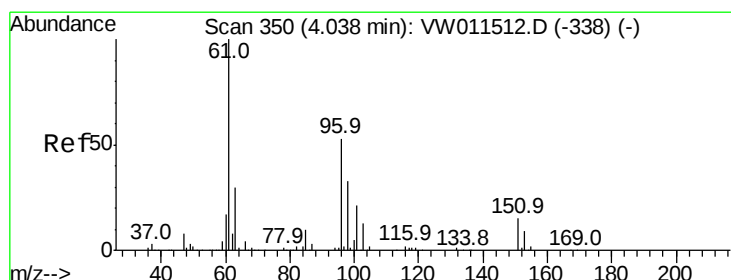
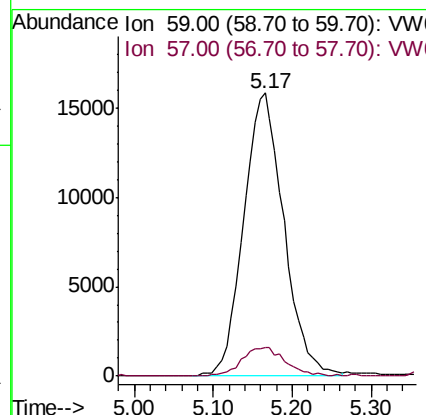
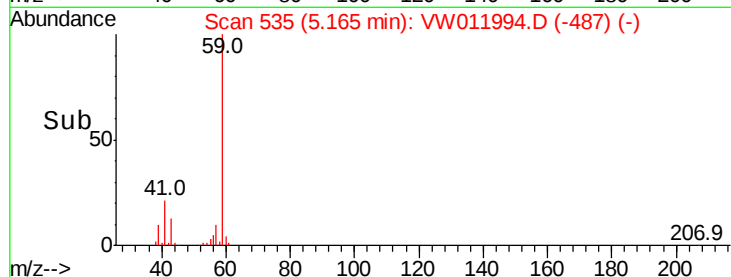
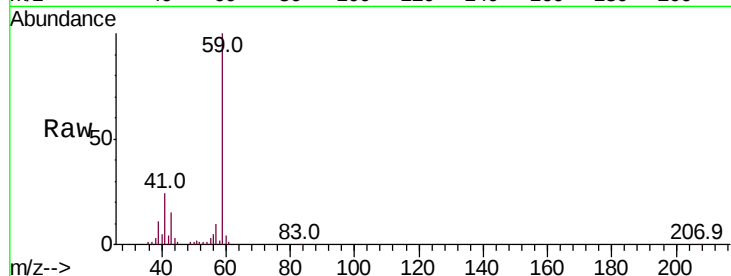


#11

Tert butyl alcohol
Concen: 260.930 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.01 min
Lab File: VW011994.D
Acq: 19 Aug 2019 16:23

Instrument :
MSVOA_W
ClientSampleId :

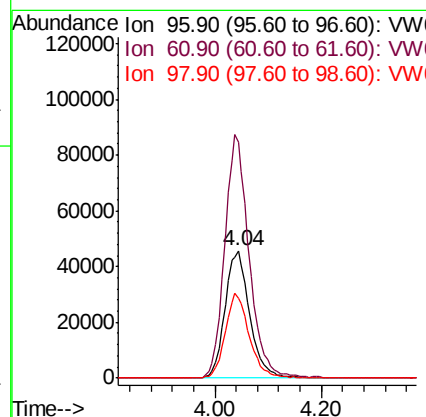
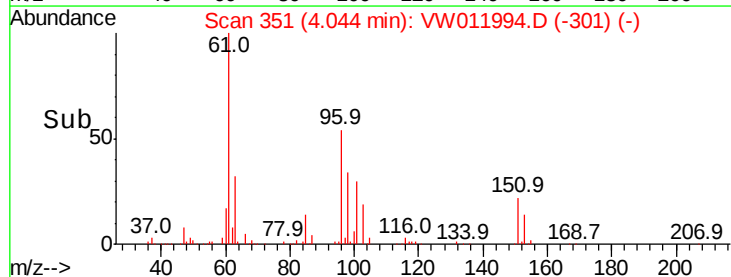
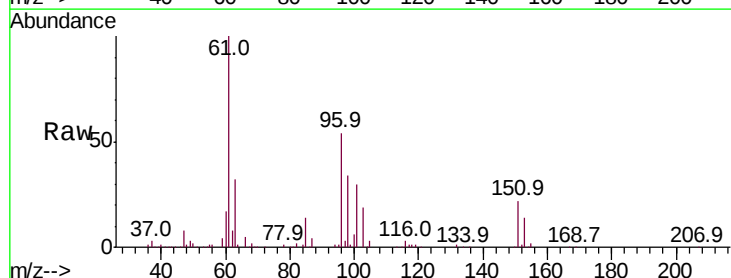
Tot Ion: 59 Resp: 55979
Ion Ratio Lower Upper
59 100
57 11.0 8.5 12.7

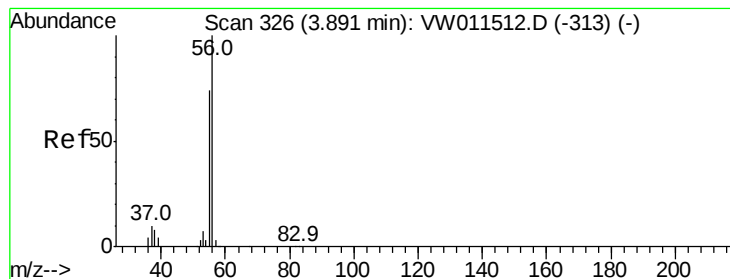


#12

1,1-Dichloroethene
Concen: 56.039 ug/l
RT: 4.04 min Scan# 351
Delta R.T. 0.01 min
Lab File: VW011994.D
Acq: 19 Aug 2019 16:23

Tgt Ion: 96 Resp: 148192
Ion Ratio Lower Upper
96 100
61 185.2 149.9 224.9
98 62.5 49.1 73.7





#13

Acrolein

Concen: 195.544 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW011994.D

Acq: 19 Aug 2019 16:23

Instrument :

MSVOA_W

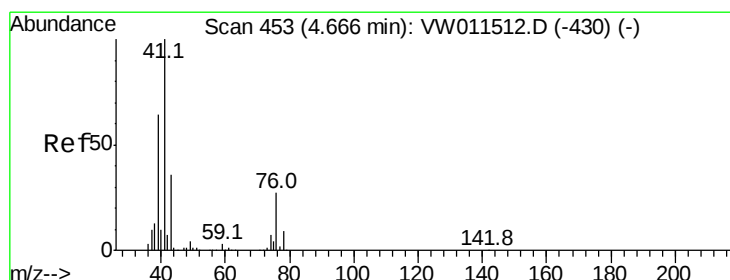
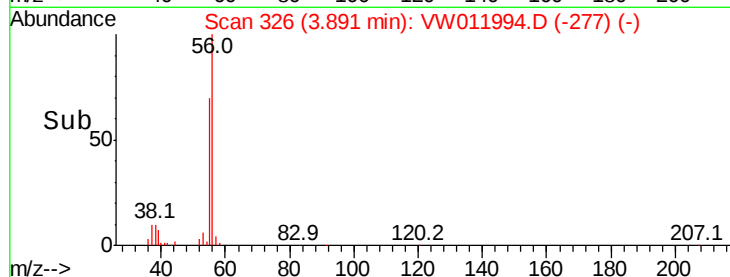
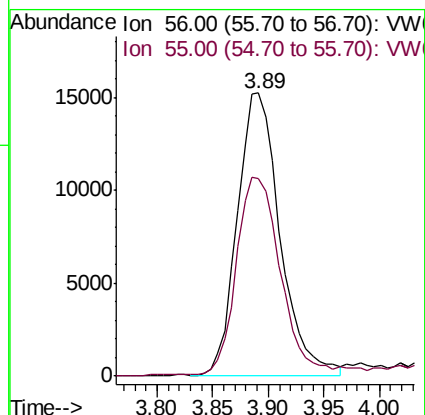
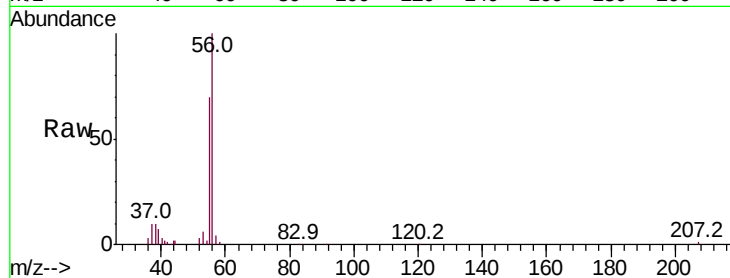
ClientSampleId :

Tot Ion: 56 Resp: 40910

Ion Ratio Lower Upper

56 100

55 72.4 56.0 84.0



#14

Allyl chloride

Concen: 55.939 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW011994.D

Acq: 19 Aug 2019 16:23

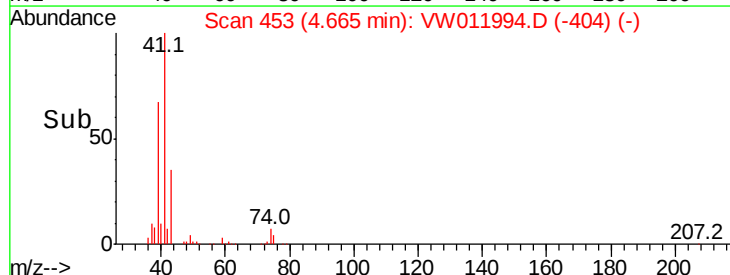
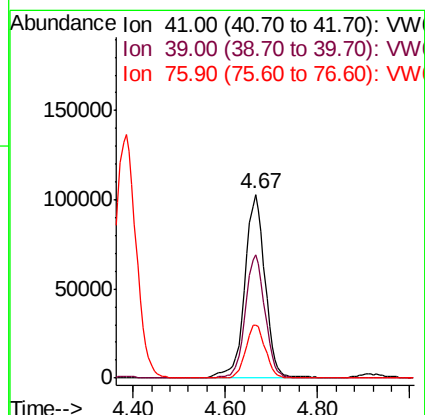
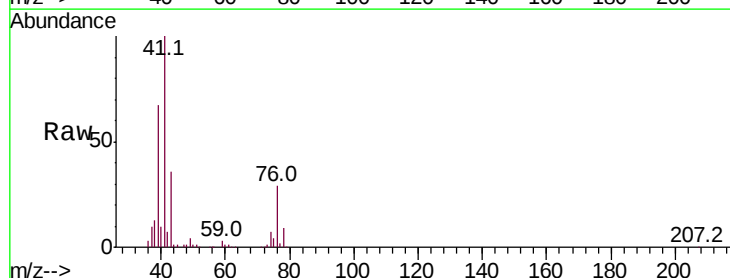
Tgt Ion: 41 Resp: 314631

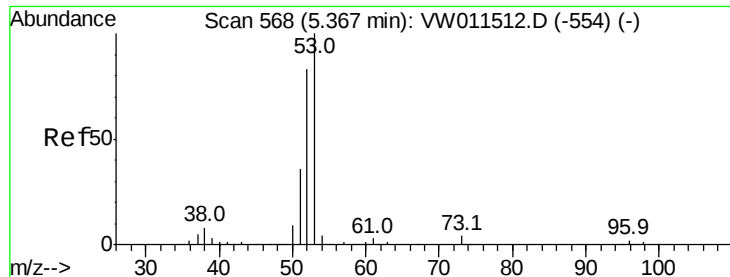
Ion Ratio Lower Upper

41 100

39 64.9 52.6 78.8

76 28.0 22.0 33.0





#15

Acrylonitrile

Concen: 273.305 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

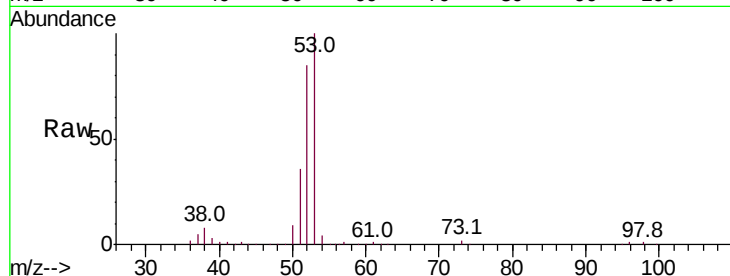
Lab File: VW011994.D

Acq: 19 Aug 2019 16:23

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 53 Resp: 204235

Ion	Ratio	Lower	Upper
53	100		
52	83.1	67.2	100.8
51	36.6	30.0	45.0

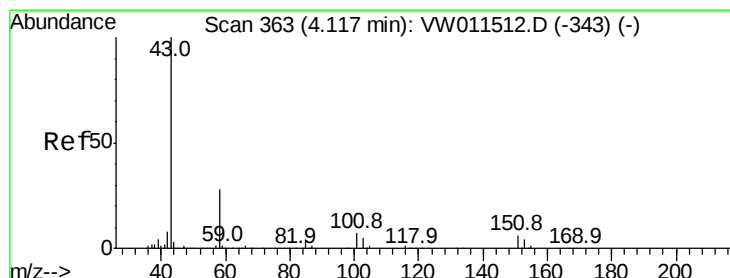
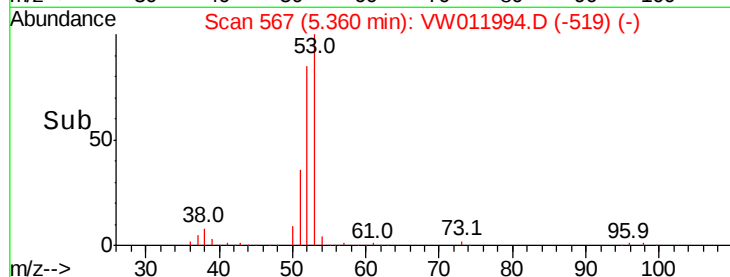
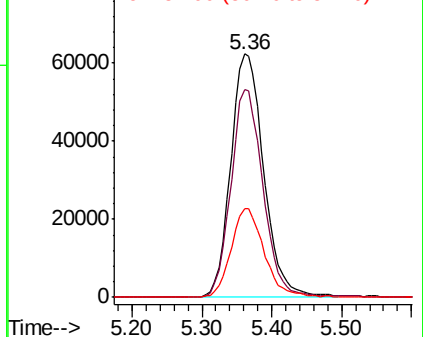


Abundance

Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 238.904 ug/l

RT: 4.12 min Scan# 363

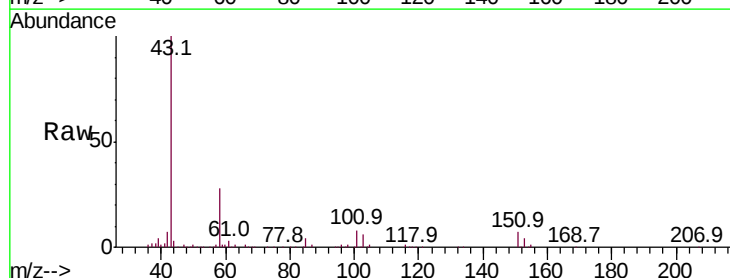
Delta R.T. -0.00 min

Lab File: VW011994.D

Acq: 19 Aug 2019 16:23

Tgt Ion: 43 Resp: 221579

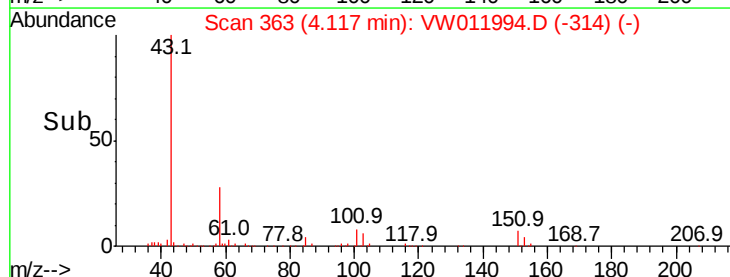
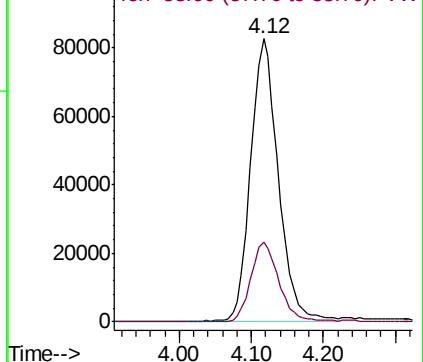
Ion	Ratio	Lower	Upper
43	100		
58	28.1	22.3	33.5

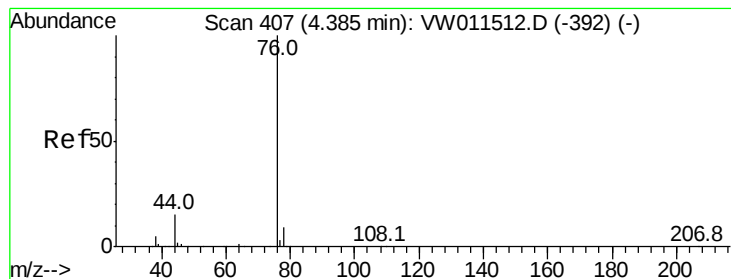


Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 51.965 ug/l

RT: 4.39 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW011994.D

Acq: 19 Aug 2019 16:23

Instrument :

MSVOA_W

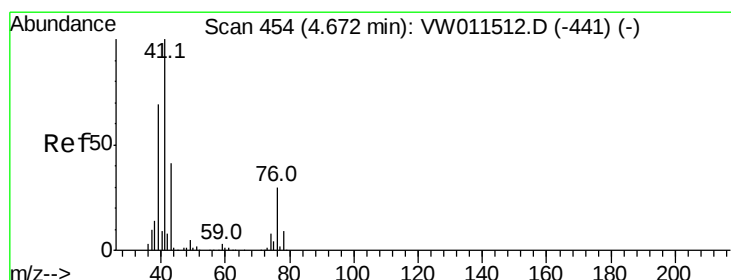
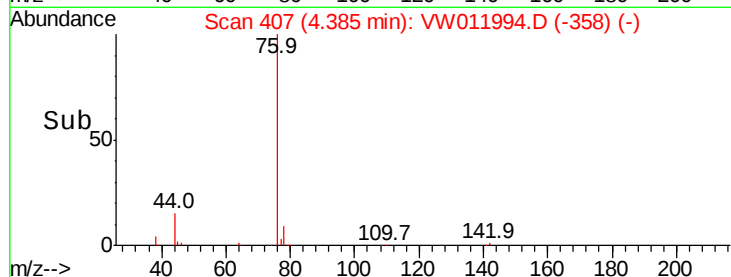
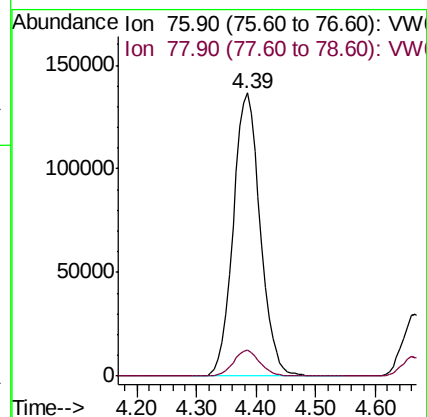
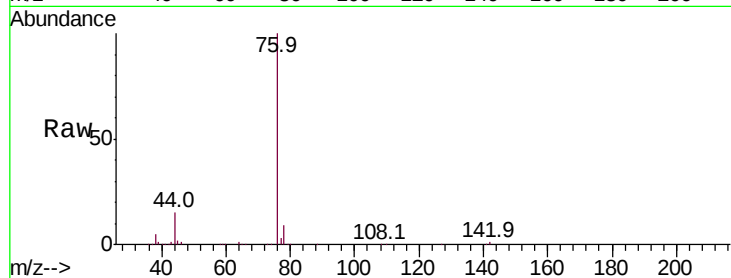
ClientSampled :

Tot Ion: 76 Resp: 430101

Ion Ratio Lower Upper

76 100

78 9.3 7.1 10.7



#18

Methyl Acetate

Concen: 50.866 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW011994.D

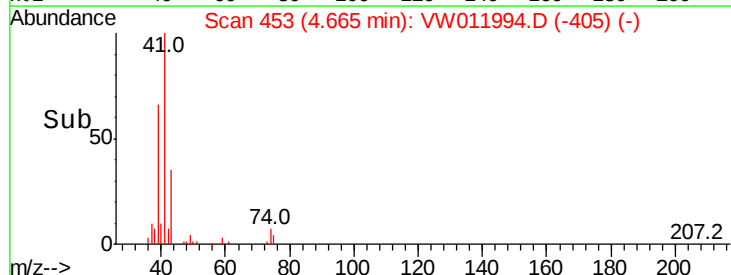
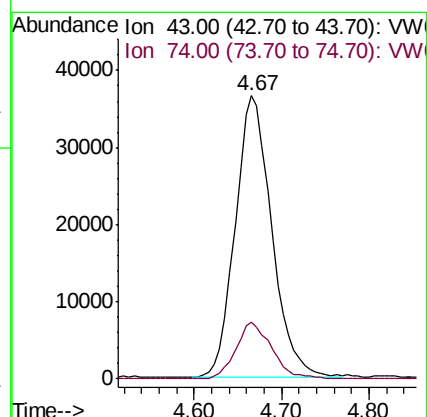
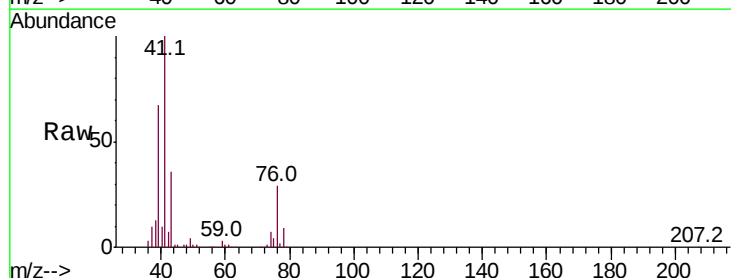
Acq: 19 Aug 2019 16:23

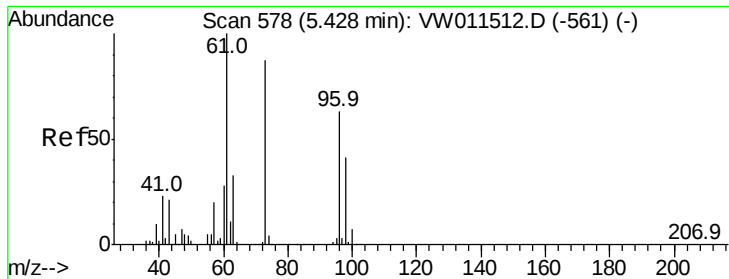
Tgt Ion: 43 Resp: 105982

Ion Ratio Lower Upper

43 100

74 19.9 15.9 23.9

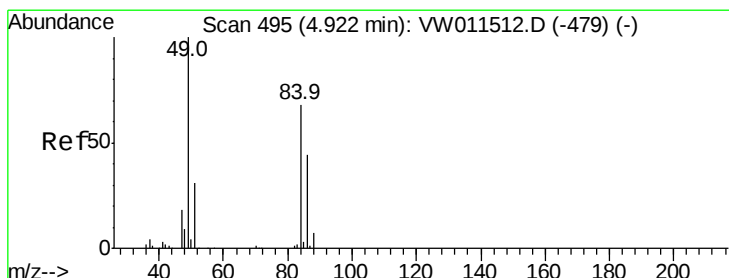
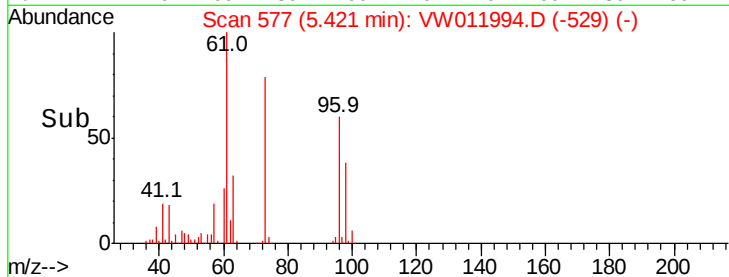
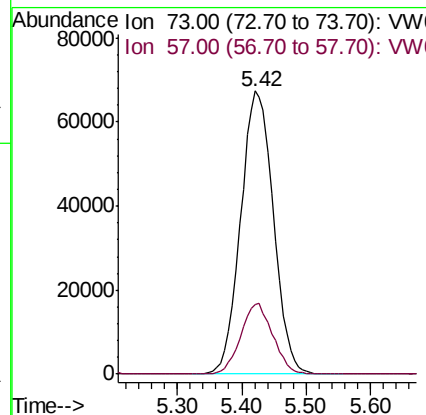
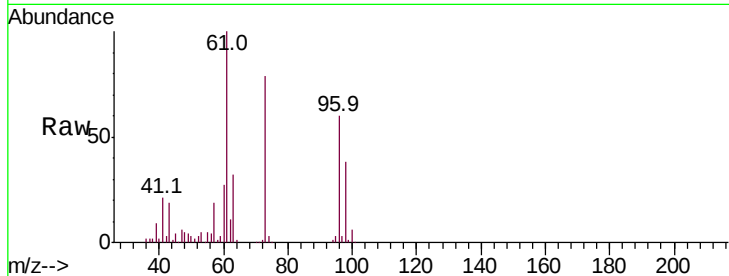




#19
Methyl tert-butyl Ether
Concen: 56.204 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW011994.D
Acq: 19 Aug 2019 16:23

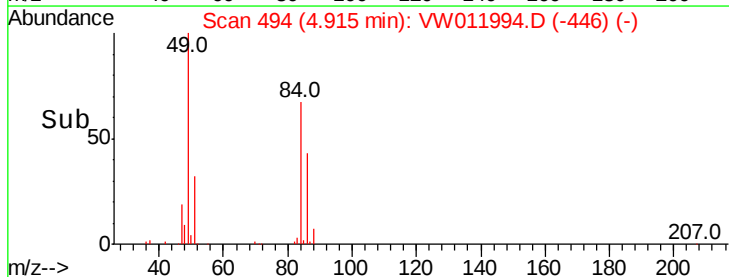
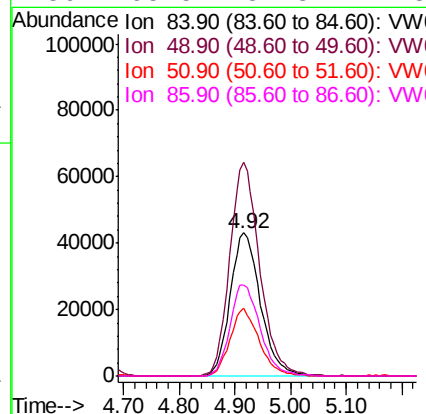
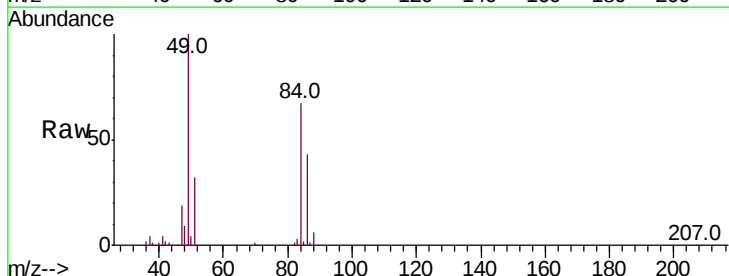
Instrument :
MSVOA_W
ClientSampled :

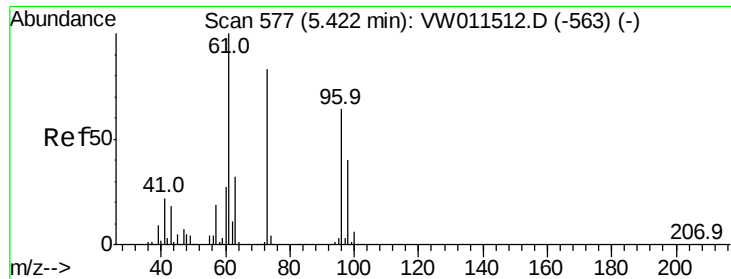
Tot Ion: 73 Resp: 235858
Ion Ratio Lower Upper
73 100
57 24.7 18.4 27.6



#20
Methylene Chloride
Concen: 50.740 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW011994.D
Acq: 19 Aug 2019 16:23

Tgt Ion: 84 Resp: 162303
Ion Ratio Lower Upper
84 100
49 149.2 117.8 176.6
51 47.1 37.0 55.4
86 63.5 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 55.849 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW011994.D

Acq: 19 Aug 2019 16:23

Instrument :

MSVOA_W

ClientSampled :

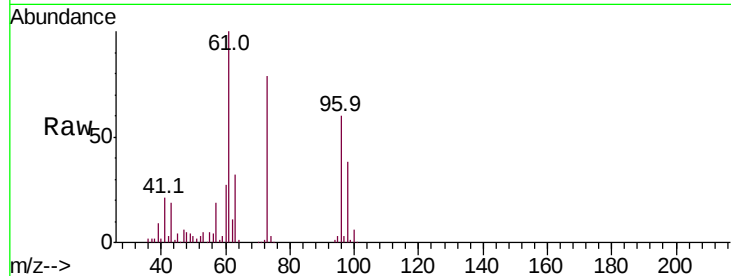
Tot Ion: 96 Resp: 159228

Ion Ratio Lower Upper

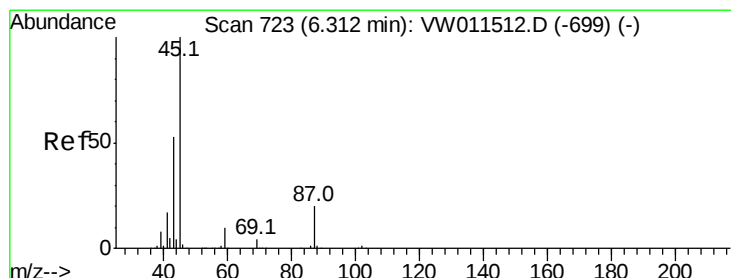
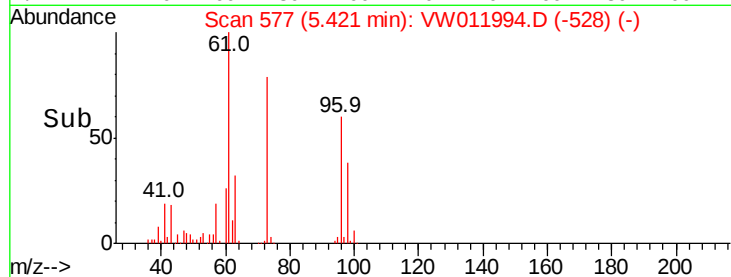
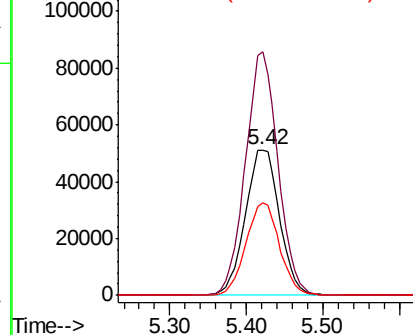
96 100

61 167.7 125.7 188.5

98 63.6 50.3 75.5



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



#22

Diisopropyl ether

Concen: 56.175 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW011994.D

Acq: 19 Aug 2019 16:23

Tgt Ion: 45 Resp: 595695

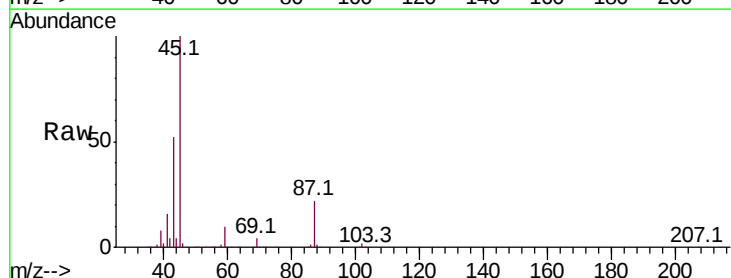
Ion Ratio Lower Upper

45 100

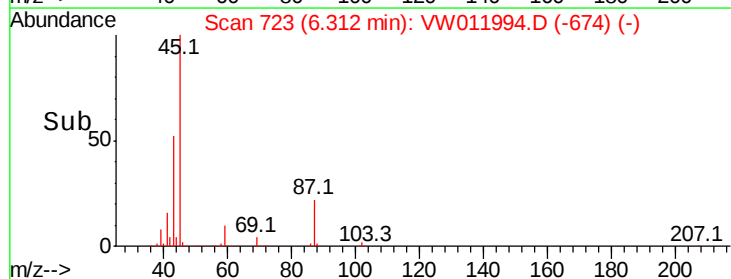
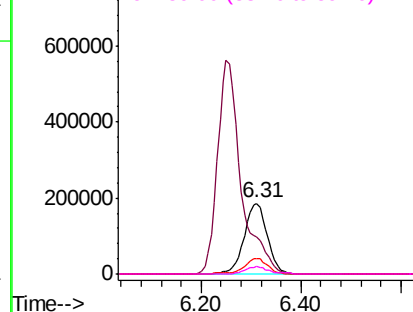
43 51.9 42.6 63.8

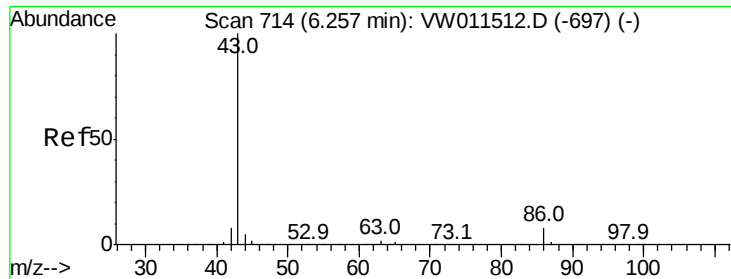
87 21.5 16.4 24.6

59 10.1 8.2 12.2



Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 276.434 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW011994.D

Acq: 19 Aug 2019 16:23

Instrument :

MSVOA_W

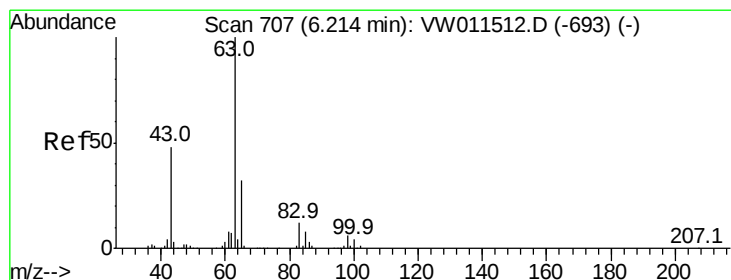
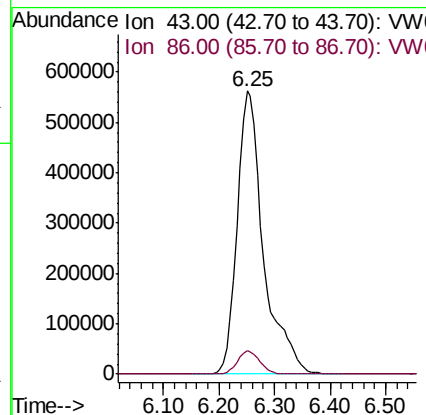
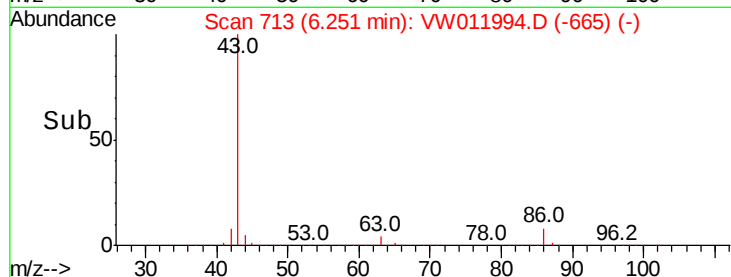
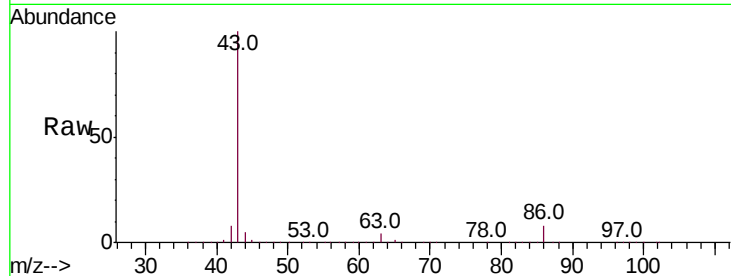
ClientSampleId :

Tot Ion: 43 Resp: 1841955

Ion Ratio Lower Upper

43 100

86 8.4 6.5 9.7



#24

1,1-Dichloroethane

Concen: 56.029 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW011994.D

Acq: 19 Aug 2019 16:23

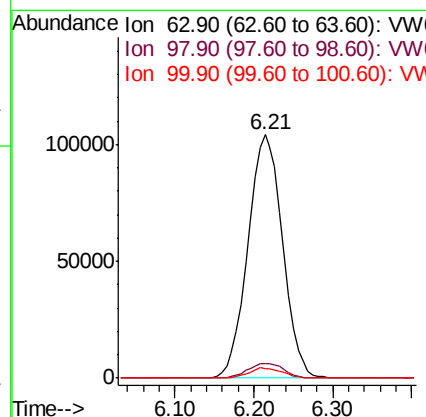
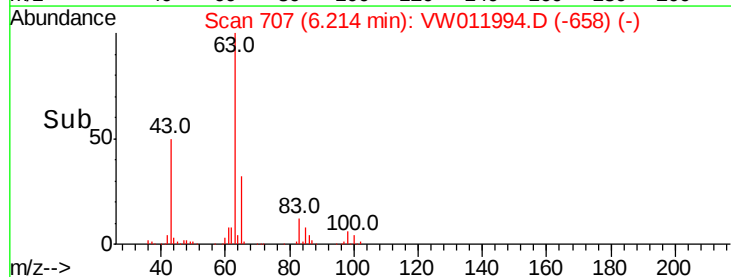
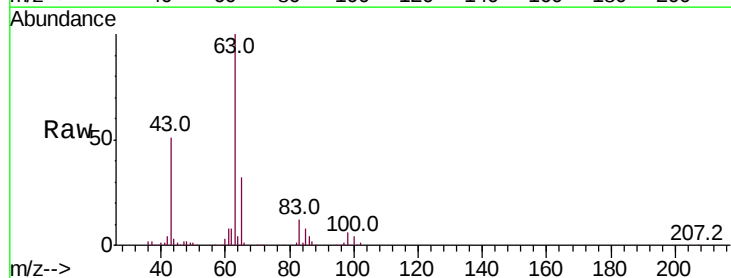
Tgt Ion: 63 Resp: 318209

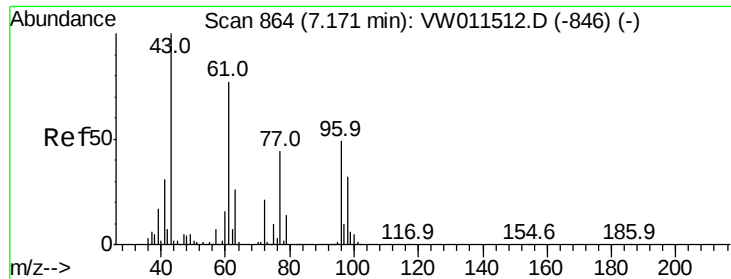
Ion Ratio Lower Upper

63 100

98 6.0 2.9 8.8

100 4.0 2.1 6.3





#25

2-Butanone

Concen: 251.759 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW011994.D

Acq: 19 Aug 2019 16:23

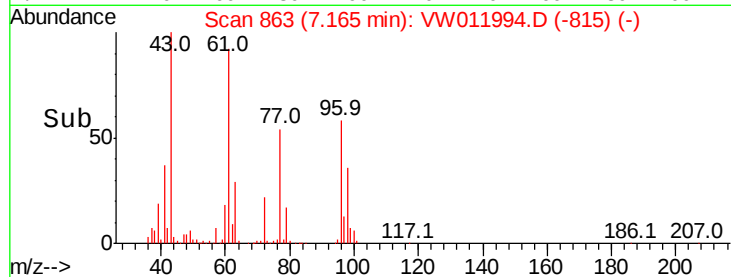
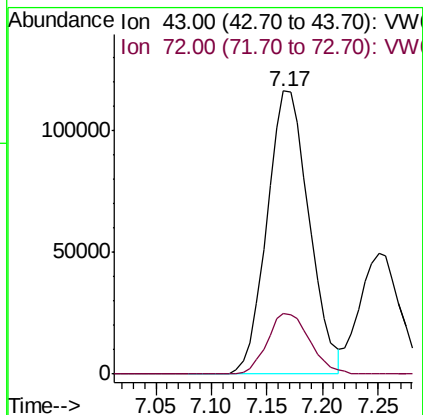
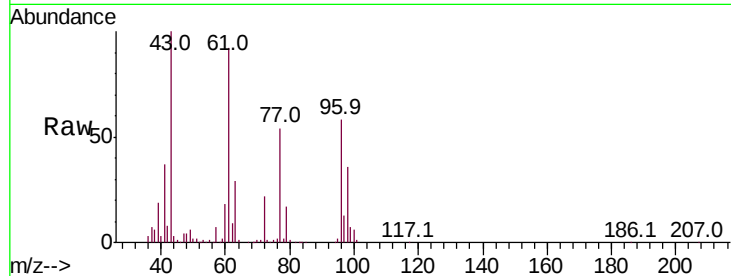
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 305544

Ion Ratio Lower Upper

43 100

72 21.6 16.6 24.8



#26

2,2-Dichloropropane

Concen: 51.439 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW011994.D

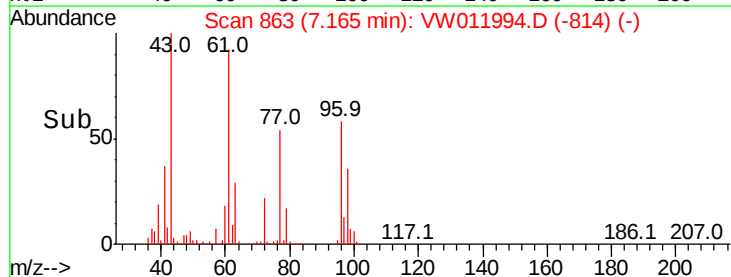
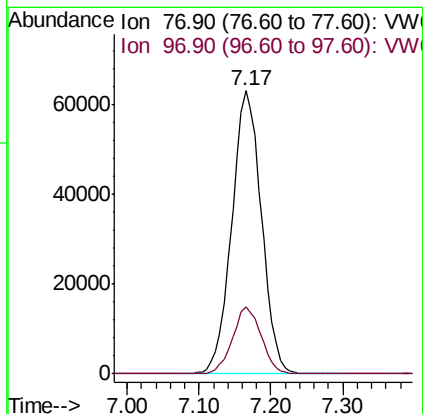
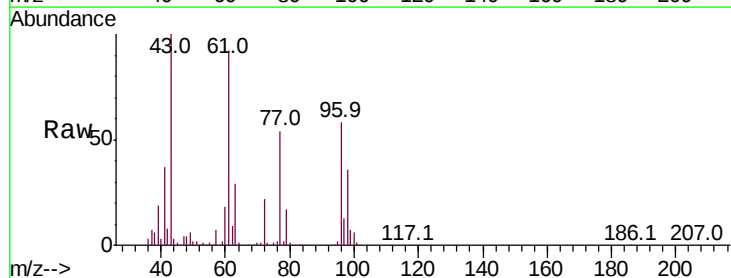
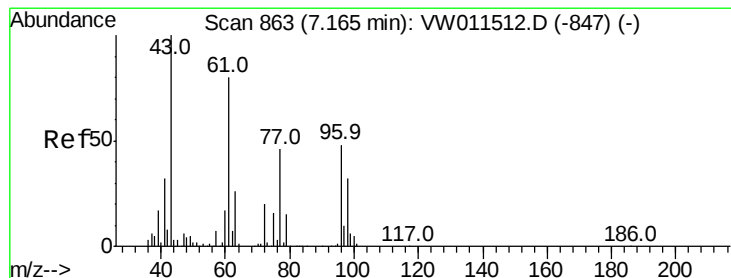
Acq: 19 Aug 2019 16:23

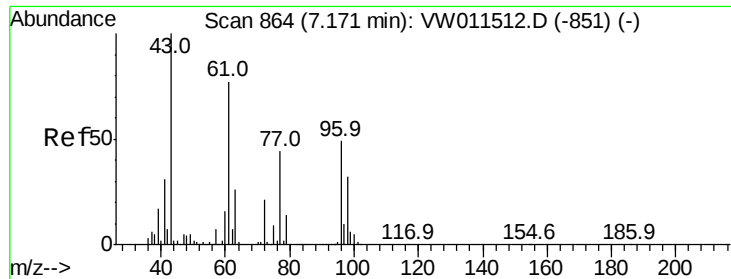
Tgt Ion: 77 Resp: 179662

Ion Ratio Lower Upper

77 100

97 22.9 10.8 32.4



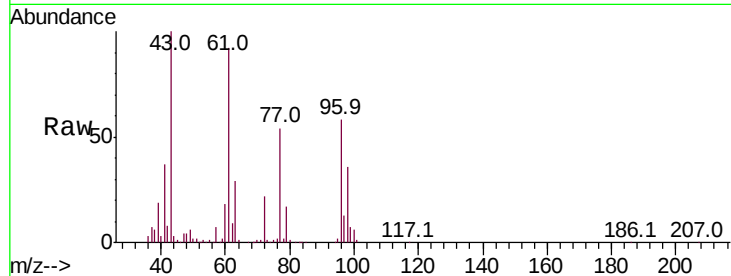


#27

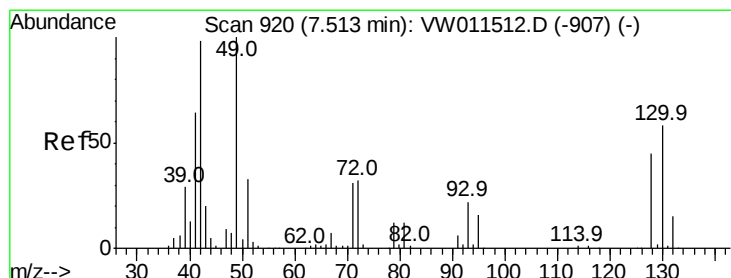
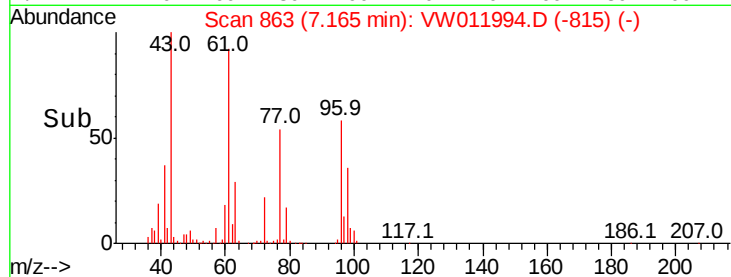
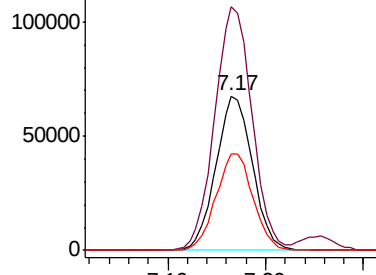
cis-1,2-Dichloroethene
Concen: 56.037 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW011994.D
Acq: 19 Aug 2019 16:23

Instrument :
MSVOA_W
ClientSampled :

Tot Ion	96	Resp	175833
Ion	Ratio	Lower	Upper
96	100		
61	161.7	0.0	328.4
98	63.8	0.0	128.8



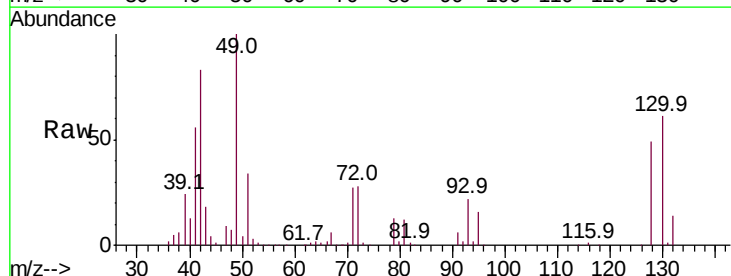
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



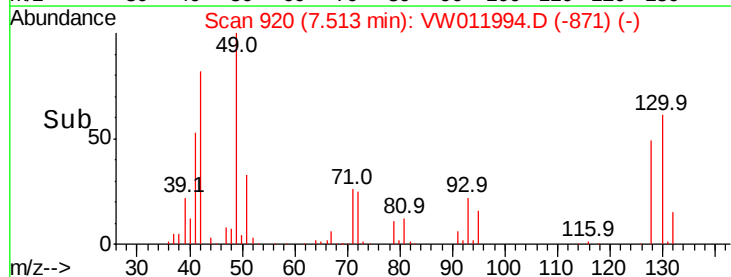
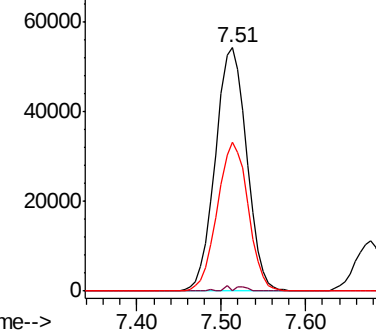
#28

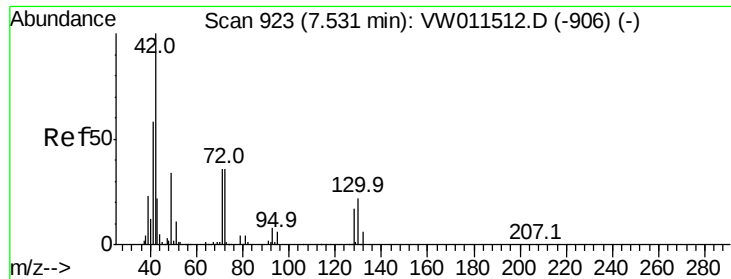
Bromochloromethane
Concen: 54.296 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW011994.D
Acq: 19 Aug 2019 16:23

Tgt Ion	49	Resp	136872
Ion	Ratio	Lower	Upper
49	100		
129	0.4	0.0	1.0
130	60.3	46.3	69.5



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

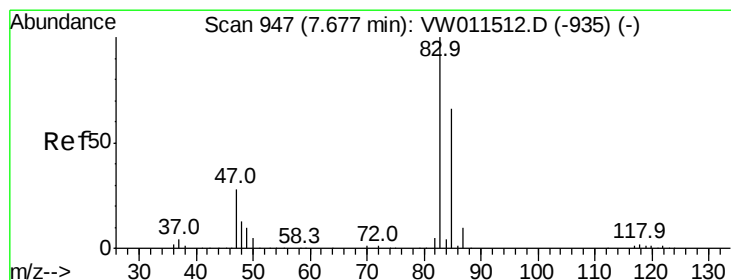
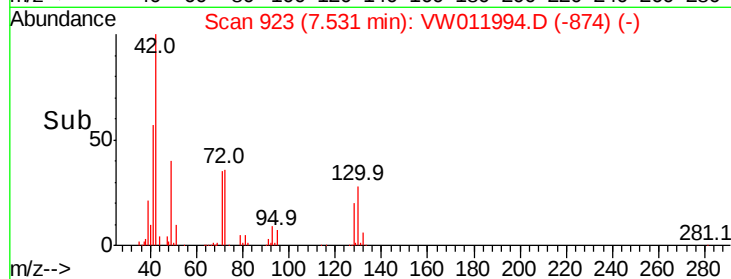
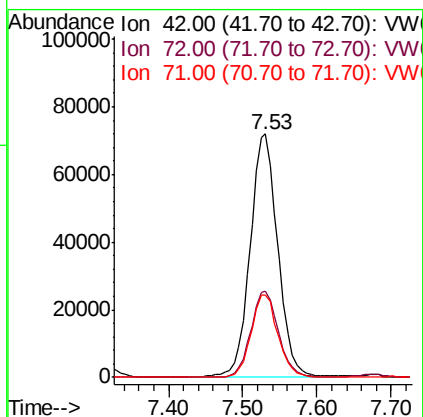
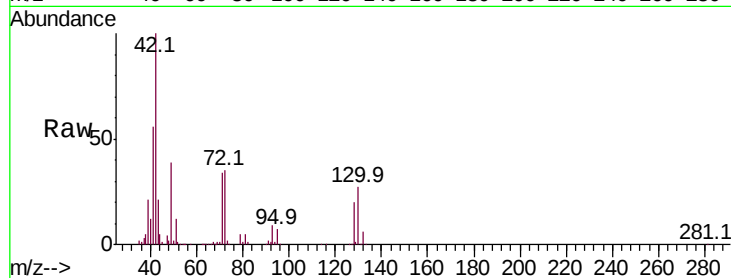




#29
Tetrahydrofuran
Concen: 269.966 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW011994.D
Acq: 19 Aug 2019 16:23

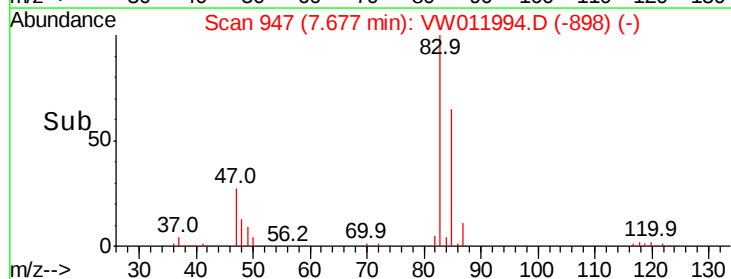
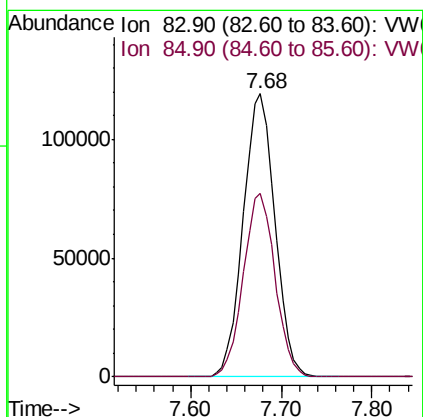
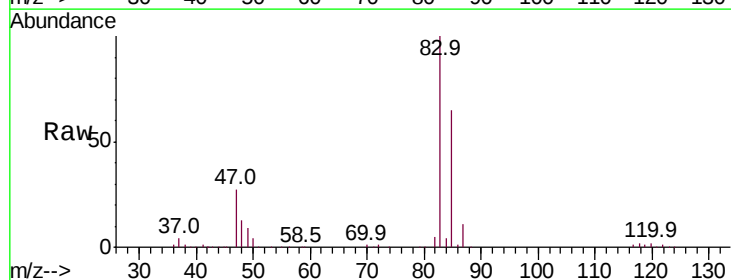
Instrument :
MSVOA_W
ClientSampleId :

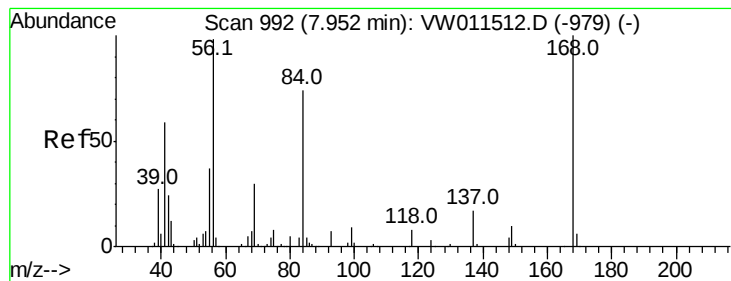
Tot Ion	Ratio	Lower	Upper
42	100		
72	35.3	27.1	40.7
71	33.2	26.2	39.4



#30
Chloroform
Concen: 55.153 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW011994.D
Acq: 19 Aug 2019 16:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	52.5	78.7





#31

Cyclohexane

Concen: 54.398 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW011994.D

Acq: 19 Aug 2019 16:23

Instrument :
MSVOA_W
ClientSampled :

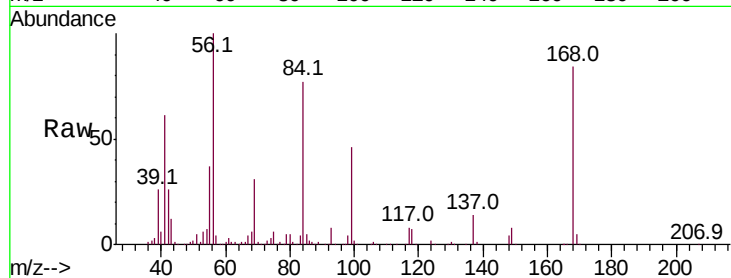
Tot Ion: 56 Resp: 296558

Ion Ratio Lower Upper

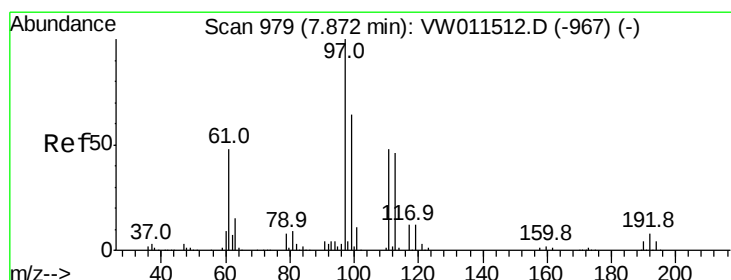
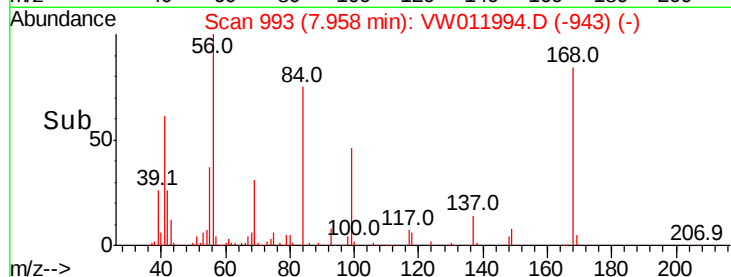
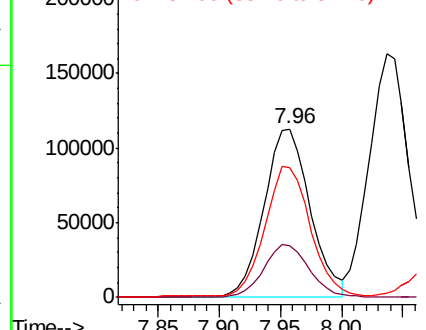
56 100

69 30.7 24.3 36.5

84 75.8 60.4 90.6



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#32

1,1,1-Trichloroethane

Concen: 58.193 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW011994.D

Acq: 19 Aug 2019 16:23

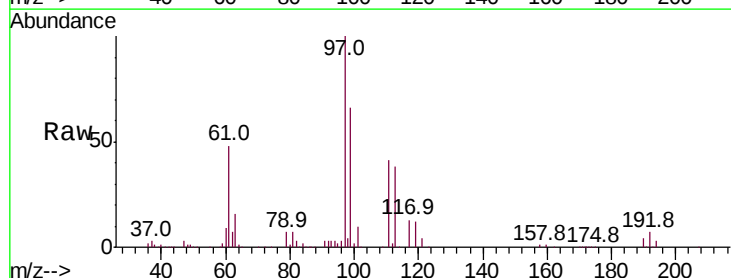
Tgt Ion: 97 Resp: 232208

Ion Ratio Lower Upper

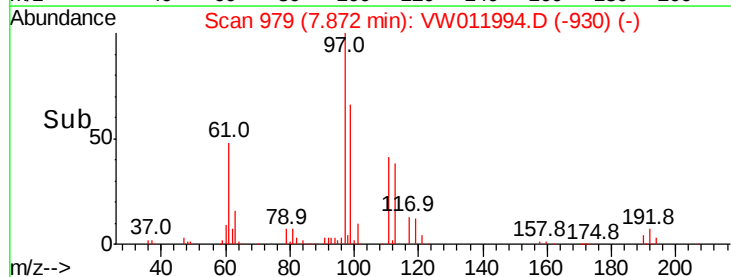
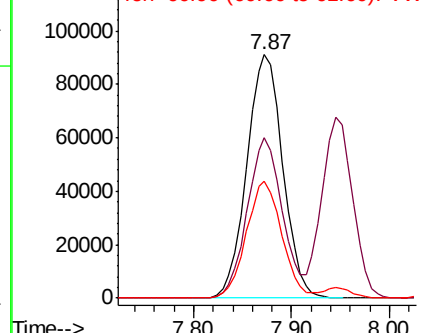
97 100

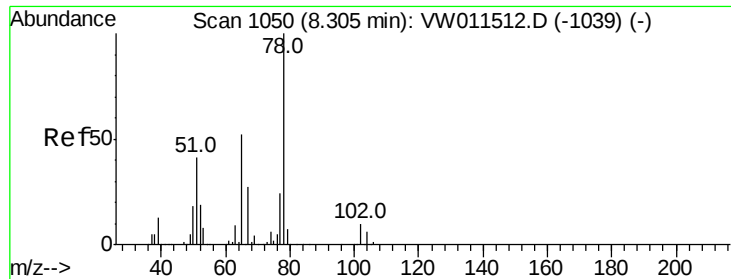
99 63.9 51.0 76.6

61 47.4 39.8 59.6



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW

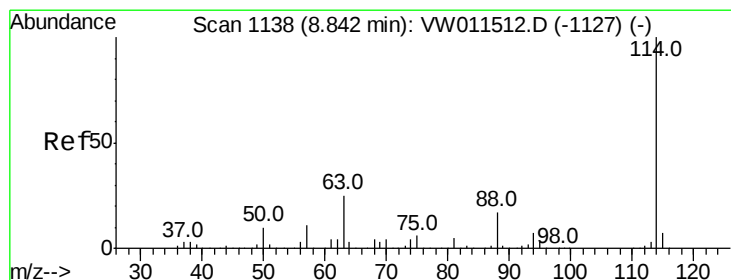
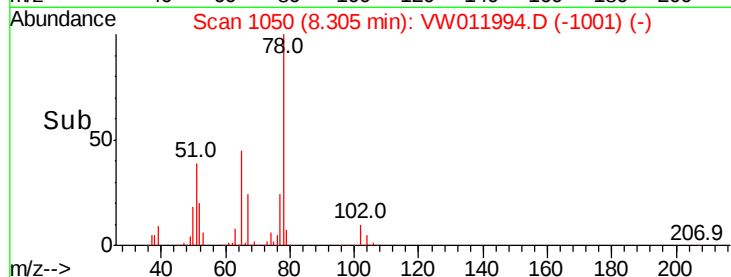
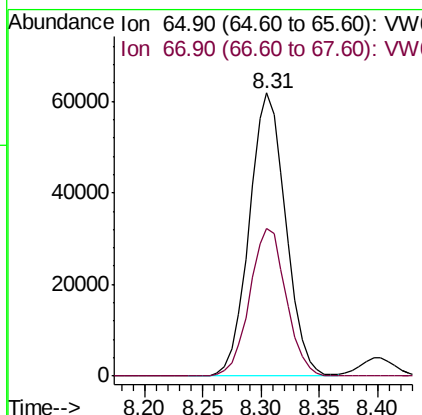
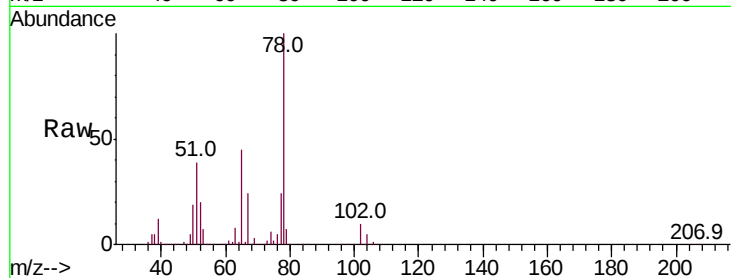




#33
 1,2-Dichloroethane-d4
 Concen: 46.275 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011994.D
 Acq: 19 Aug 2019 16:23

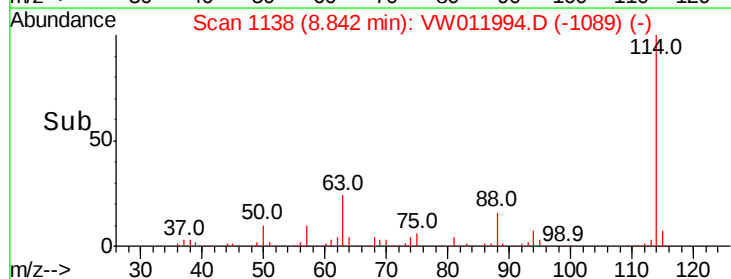
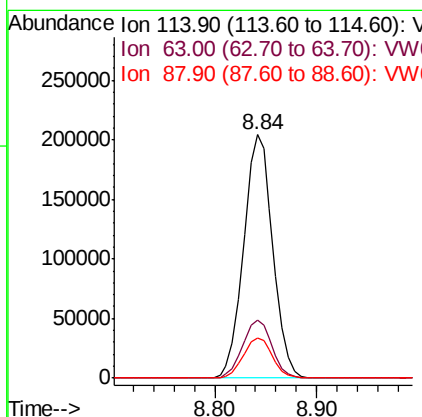
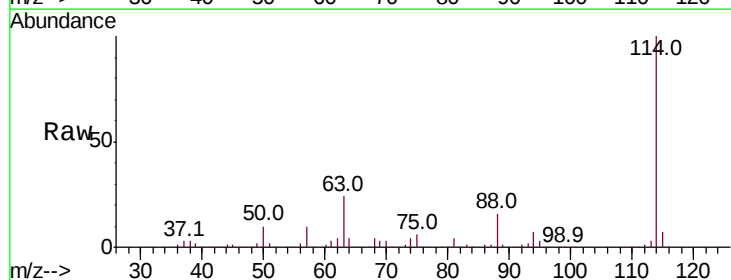
Instrument :
 MSVOA_W
 ClientSampleId :

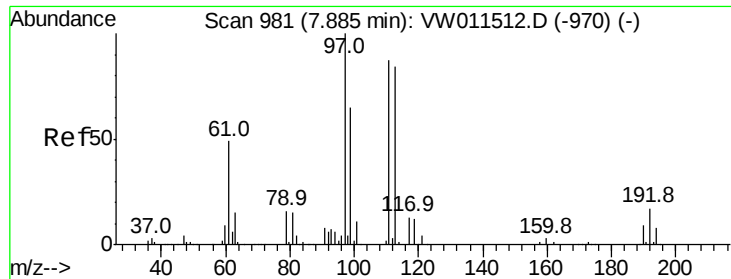
Tot Ion: 65 Resp: 134923
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011994.D
 Acq: 19 Aug 2019 16:23

Tgt Ion: 114 Resp: 404016
 Ion Ratio Lower Upper
 114 100
 63 23.9 0.0 49.2
 88 16.3 0.0 33.8

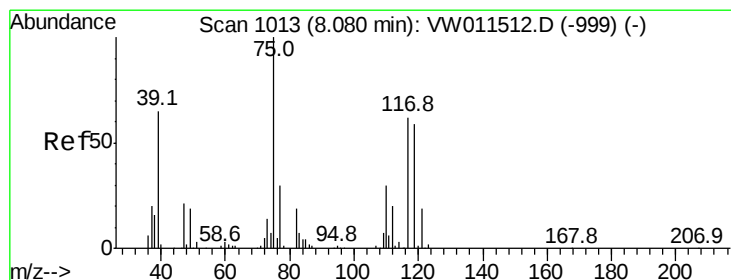
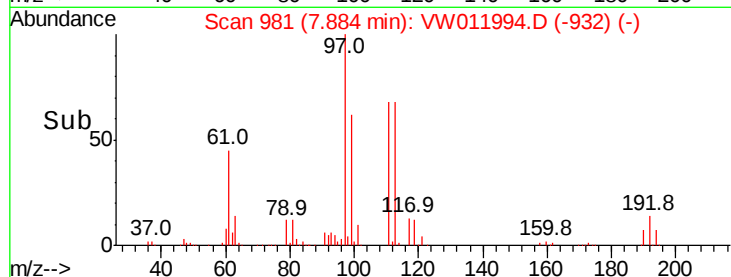
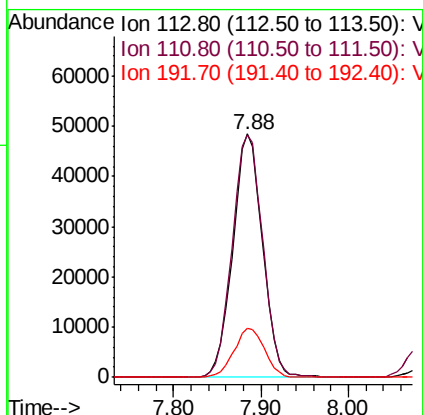
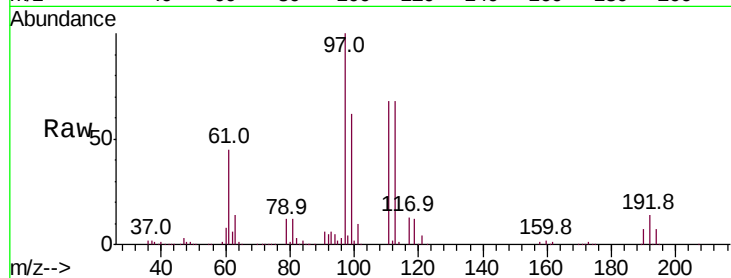




#35
 Dibromofluoromethane
 Concen: 50.541 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW011994.D
 Acq: 19 Aug 2019 16:23

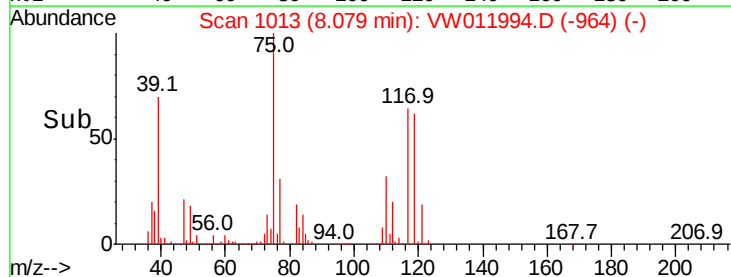
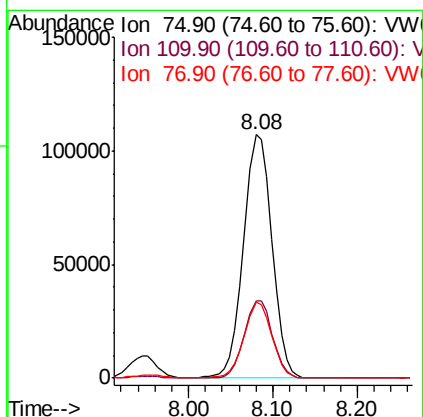
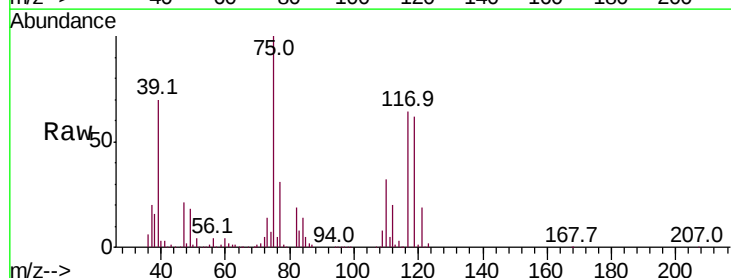
Instrument :
 MSVOA_W
 ClientSampleId :

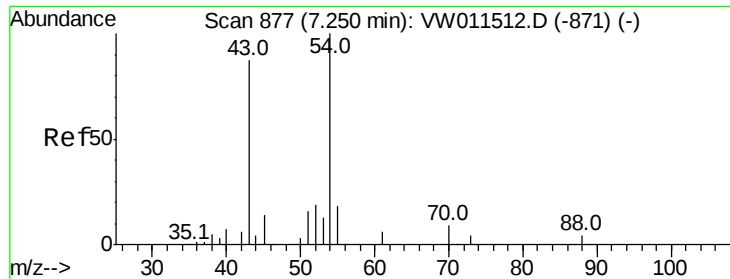
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.7	124.1
192	20.6	16.1	24.1



#36
 1,1-Dichloropropene
 Concen: 58.210 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW011994.D
 Acq: 19 Aug 2019 16:23

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.6	15.6	46.8
77	30.4	24.3	36.5

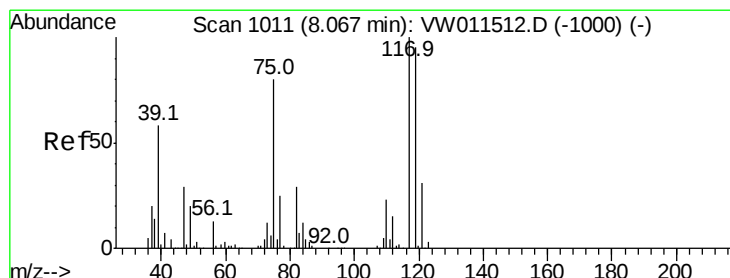
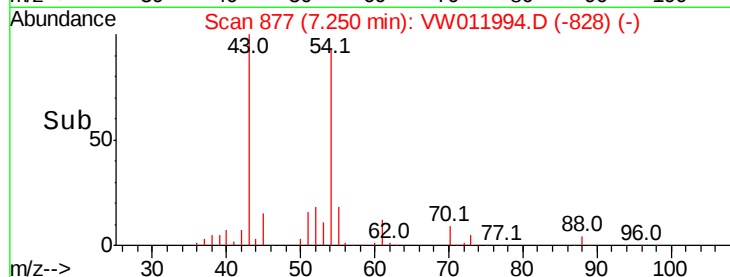
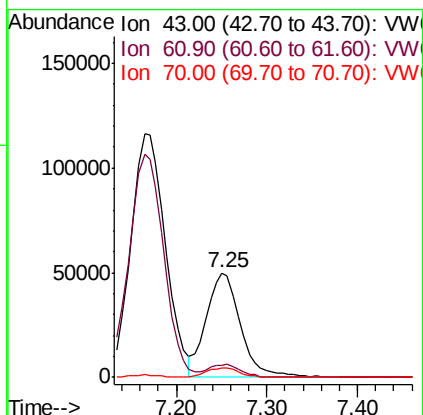
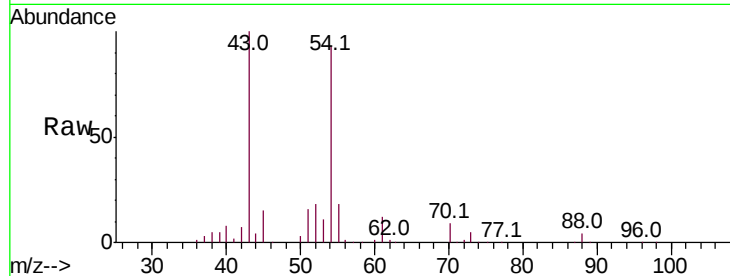




#37
Ethyl Acetate
Concen: 54.111 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW011994.D
Acq: 19 Aug 2019 16:23

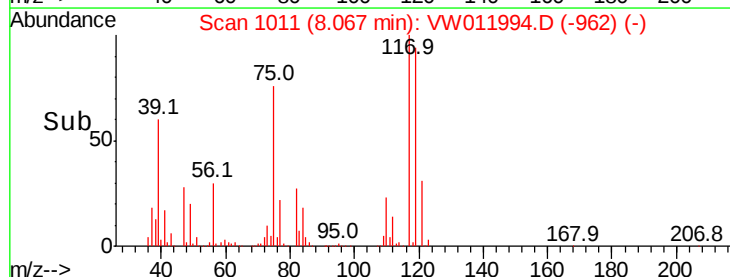
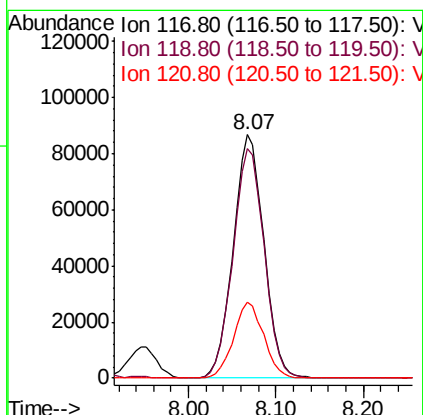
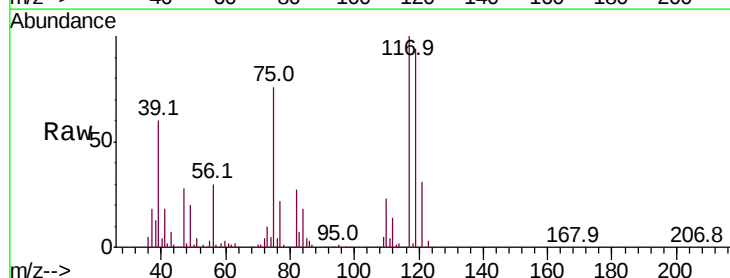
Instrument :
MSVOA_W
ClientSampled :

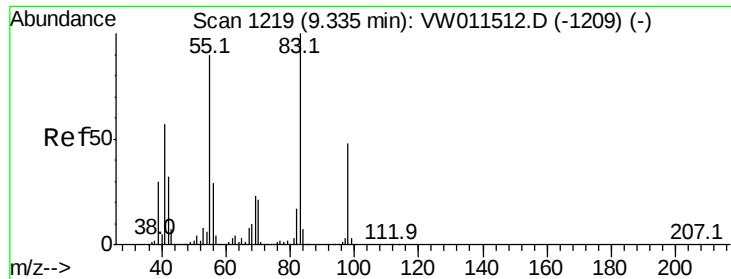
Tot Ion: 43 Resp: 130785
Ion Ratio Lower Upper
43 100
61 11.5 8.8 13.2
70 8.9 7.1 10.7



#38
Carbon Tetrachloride
Concen: 58.859 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW011994.D
Acq: 19 Aug 2019 16:23

Tgt Ion: 117 Resp: 211680
Ion Ratio Lower Upper
117 100
119 94.0 75.8 113.6
121 31.2 24.7 37.1

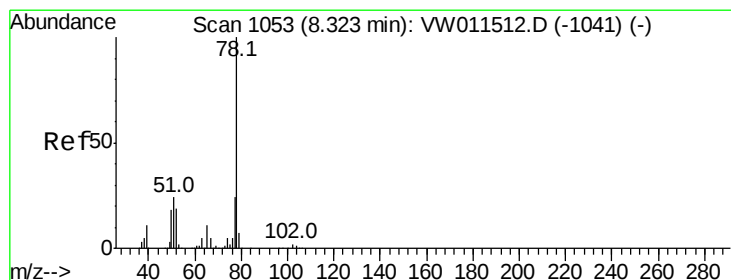
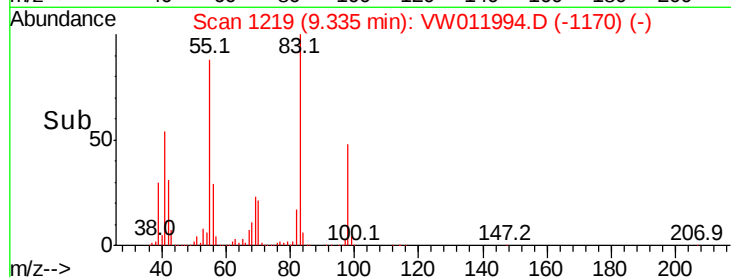
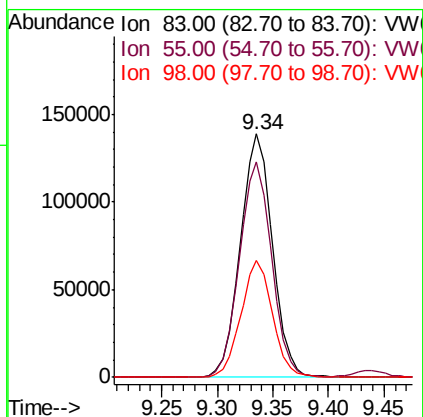
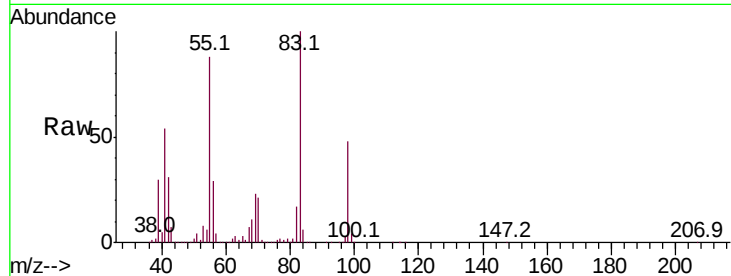




#39
Methvlcvclohexane
Concen: 60.056 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW011994.D
Acq: 19 Aug 2019 16:23

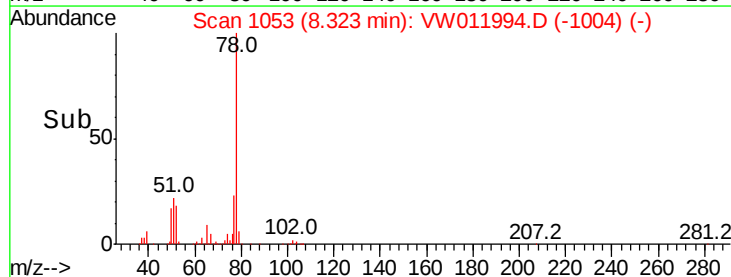
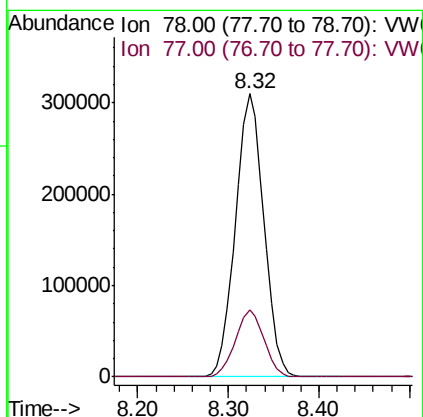
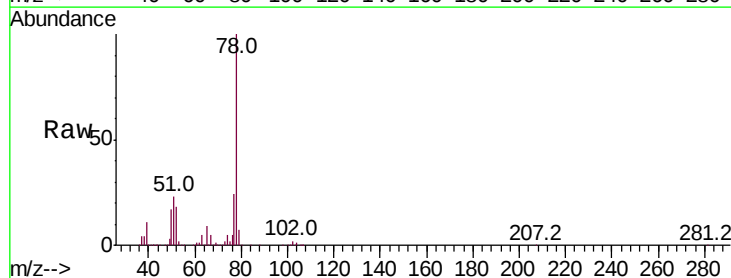
Instrument :
MSVOA_W
ClientSampleId :

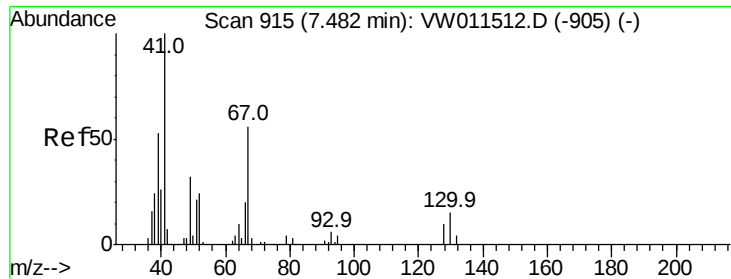
Tot Ion: 83 Resp: 277808
Ion Ratio Lower Upper
83 100
55 88.3 72.1 108.1
98 48.1 38.6 57.8



#40
Benzene
Concen: 57.241 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW011994.D
Acq: 19 Aug 2019 16:23

Tgt Ion: 78 Resp: 673571
Ion Ratio Lower Upper
78 100
77 23.6 19.4 29.0

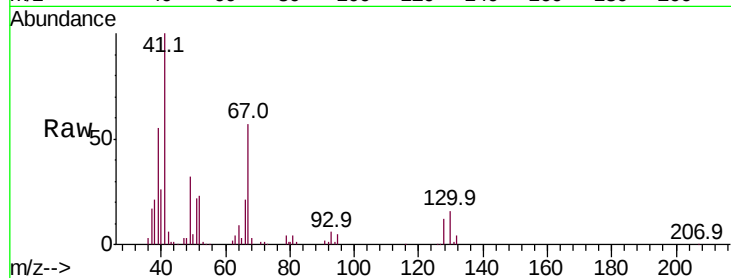




#41
Methacrylonitrile
Concen: 54.195 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW011994.D
Acq: 19 Aug 2019 16:23

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	41	Resp:	78300
Ion	Ratio	Lower	Upper
41	100		
39	58.5	43.0	64.4
67	58.9	47.5	71.3
52	26.4	21.0	31.6



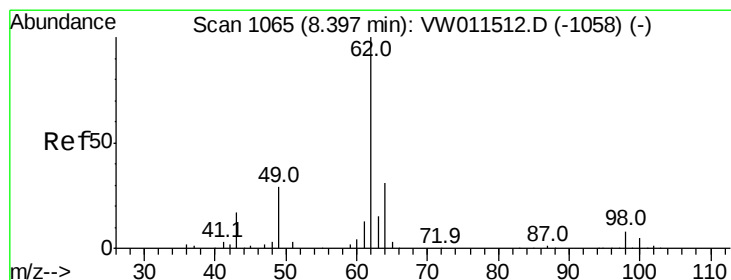
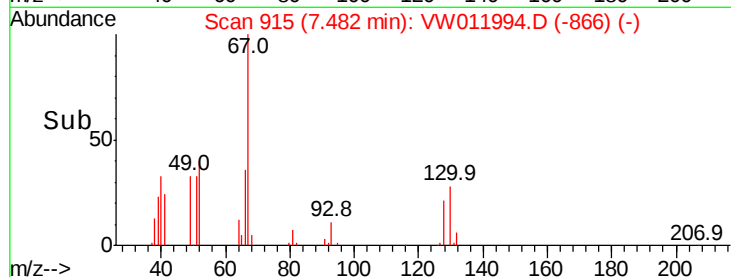
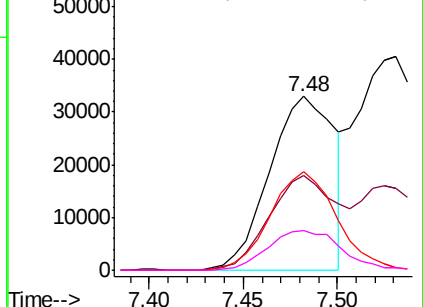
Abundance

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

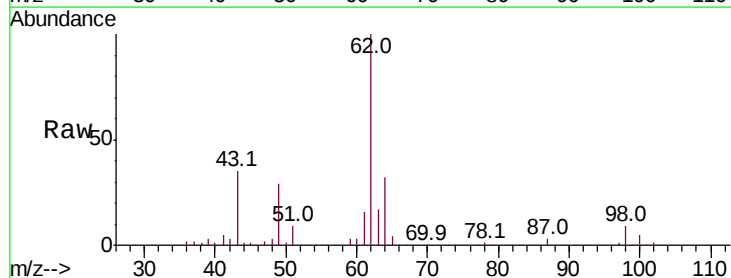
Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42
1,2-Dichloroethane
Concen: 55.756 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW011994.D
Acq: 19 Aug 2019 16:23

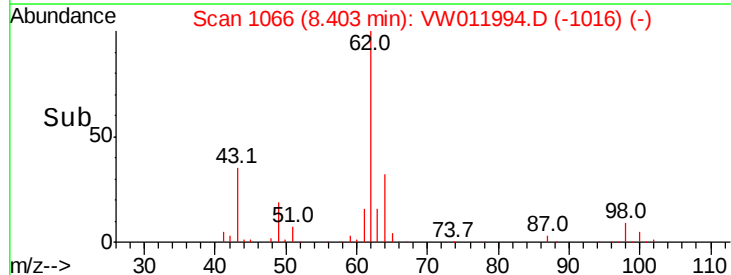
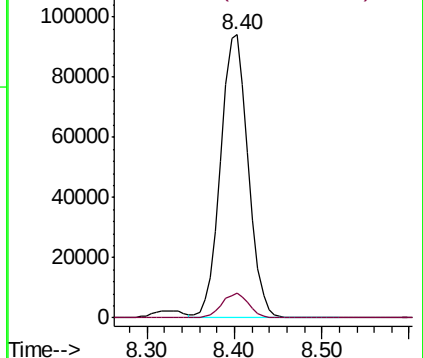
Tgt Ion:	62	Resp:	205414
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	16.8

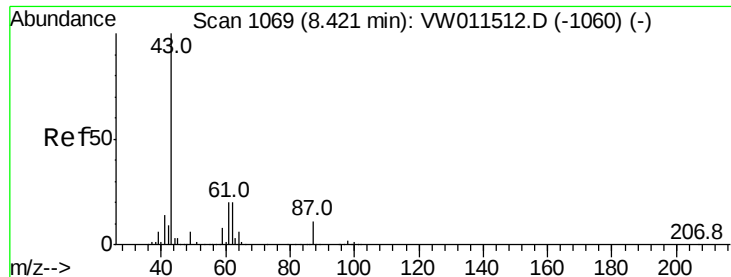


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 56.609 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW011994.D

Acq: 19 Aug 2019 16:23

Instrument :

MSVOA_W

ClientSampleId :

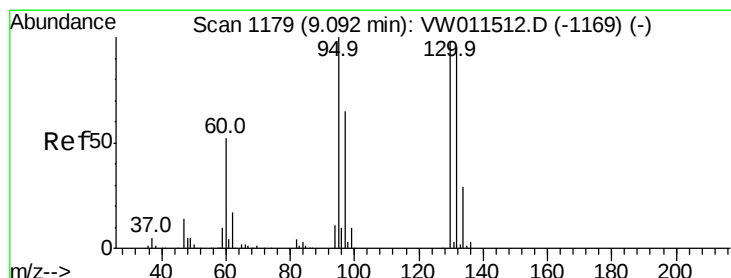
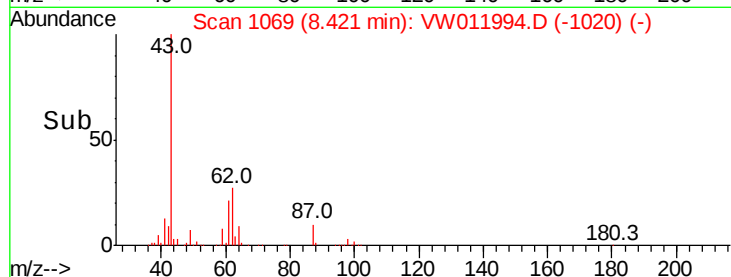
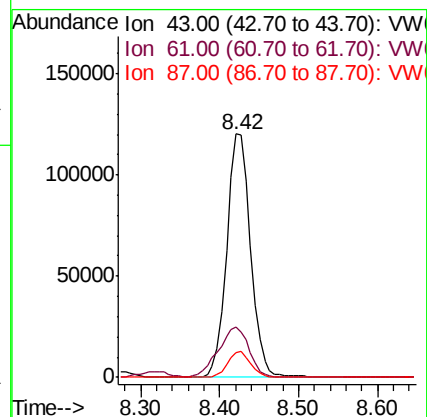
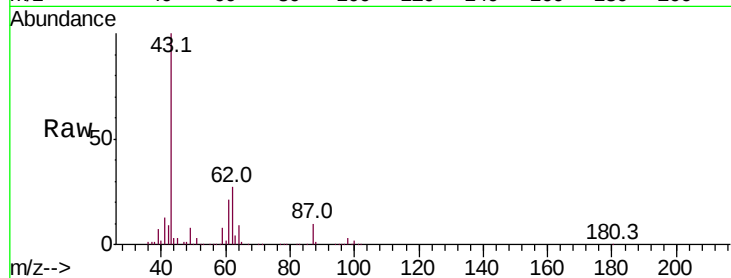
Tot Ion: 43 Resp: 251626

Ion Ratio Lower Upper

43 100

61 26.9 21.5 32.3

87 10.5 8.4 12.6



#44

Trichloroethene

Concen: 58.800 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW011994.D

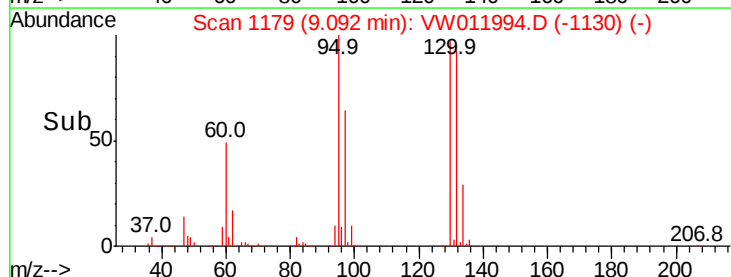
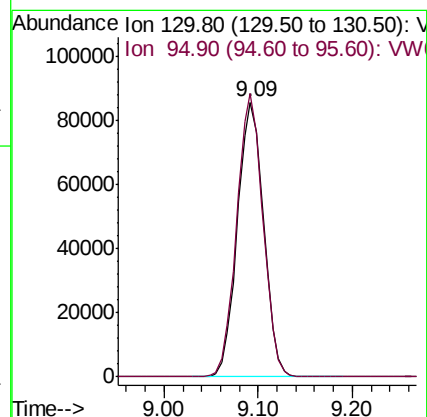
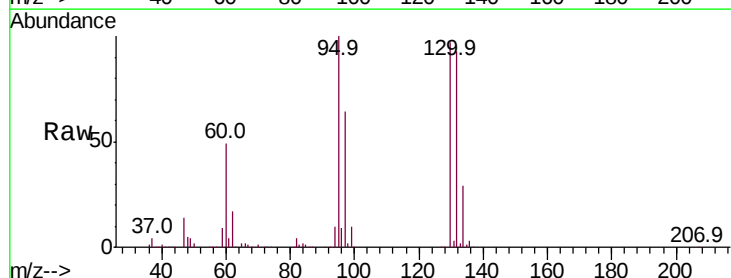
Acq: 19 Aug 2019 16:23

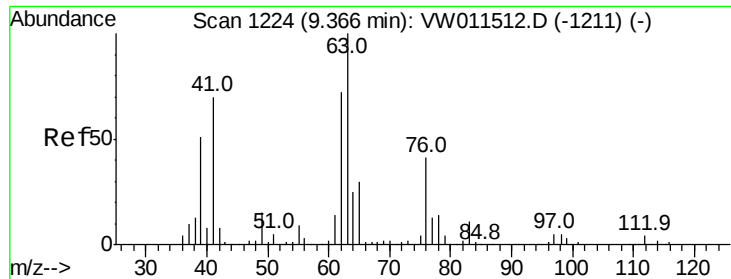
Tgt Ion: 130 Resp: 166300

Ion Ratio Lower Upper

130 100

95 103.1 0.0 204.8





#45

1,2-Dichloropropane

Concen: 57.923 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VW011994.D

Acq: 19 Aug 2019 16:23

Instrument :

MSVOA_W

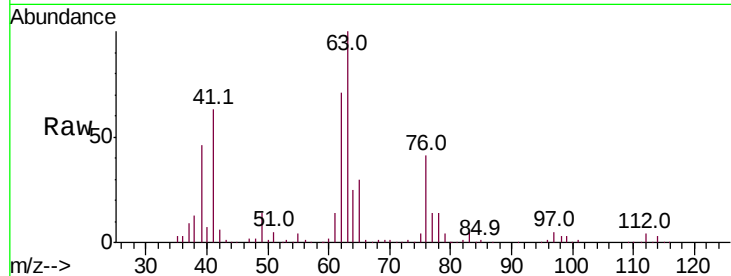
ClientSampled :

Tot Ion: 63 Resp: 182373

Ion Ratio Lower Upper

63 100

65 29.9 24.2 36.4



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW

9.37

100000

80000

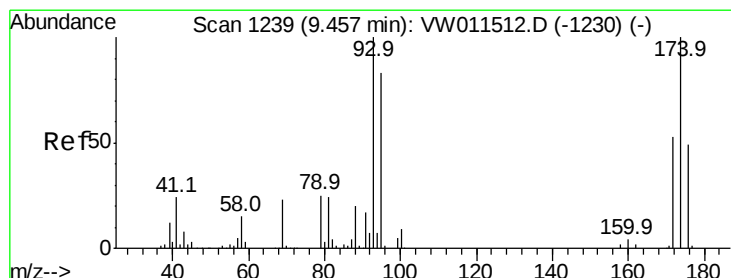
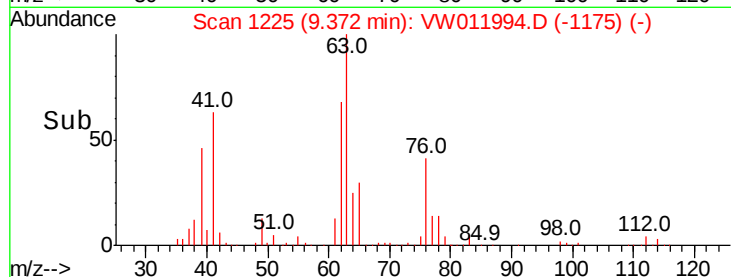
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 56.255 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW011994.D

Acq: 19 Aug 2019 16:23

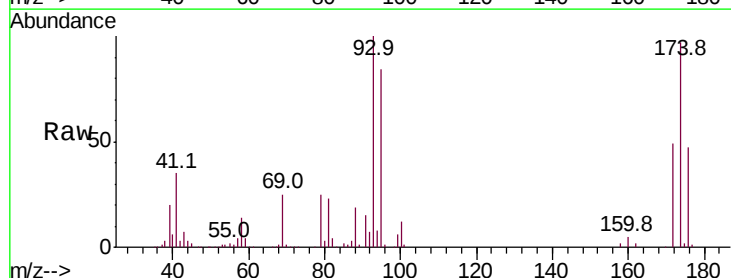
Tgt Ion: 93 Resp: 80841

Ion Ratio Lower Upper

93 100

95 83.3 66.2 99.2

174 100.2 78.2 117.4



Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V

9.46

50000

40000

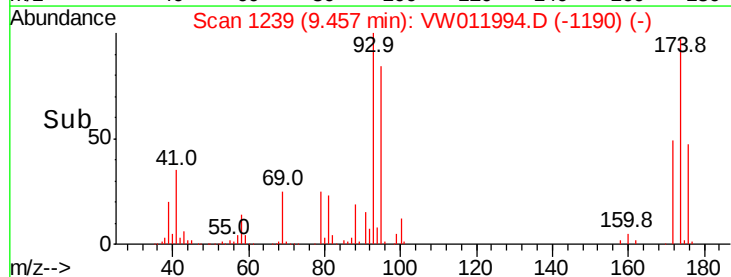
30000

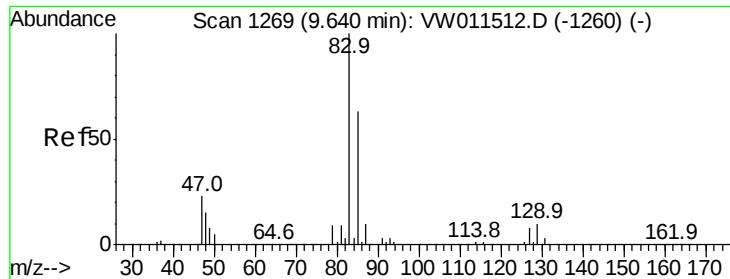
20000

10000

0

Time-->





#47

Bromodichloromethane

Concen: 57.480 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW011994.D

Acq: 19 Aug 2019 16:23

Instrument :
MSVOA_W
ClientSampled :

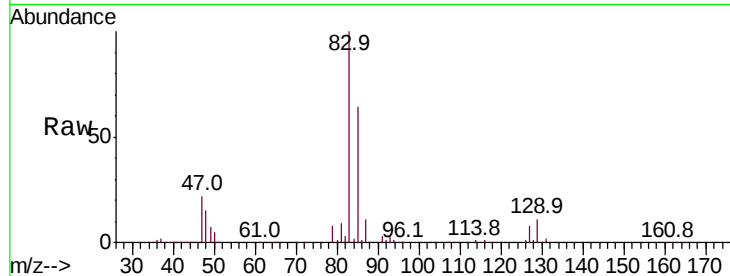
Tot Ion: 83 Resp: 216676

Ion Ratio Lower Upper

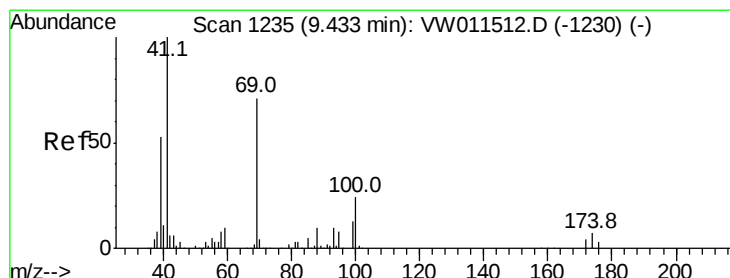
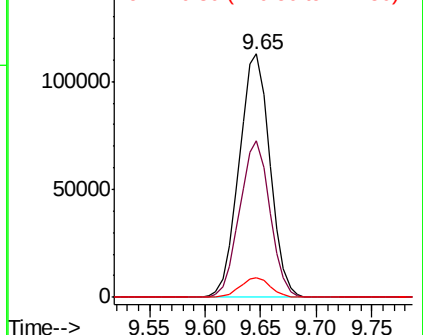
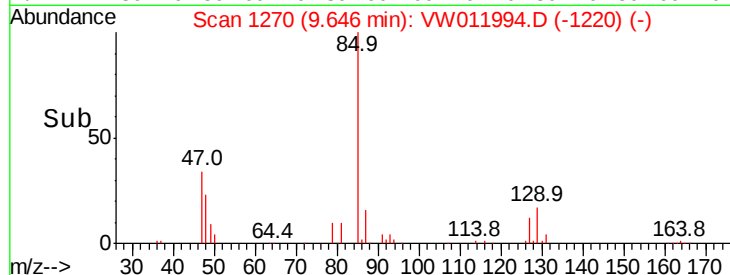
83 100

85 64.4 50.5 75.7

127 7.9 6.4 9.6



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



#48

Methyl methacrylate

Concen: 56.754 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW011994.D

Acq: 19 Aug 2019 16:23

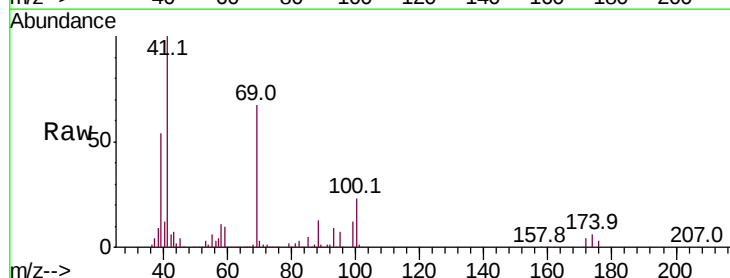
Tgt Ion: 41 Resp: 121181

Ion Ratio Lower Upper

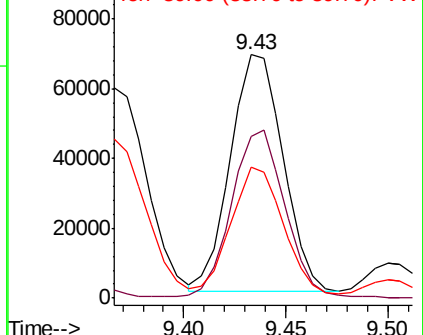
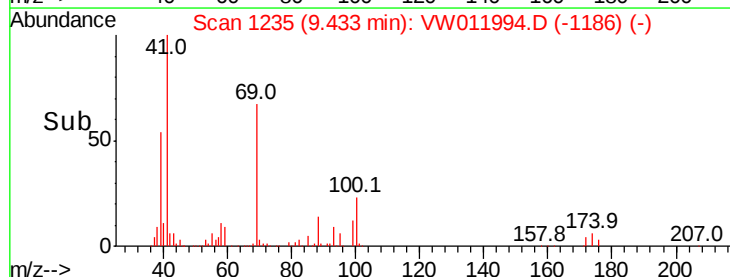
41 100

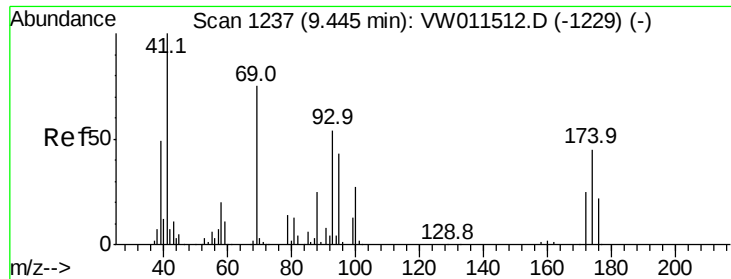
69 72.0 57.1 85.7

39 57.0 45.4 68.2



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

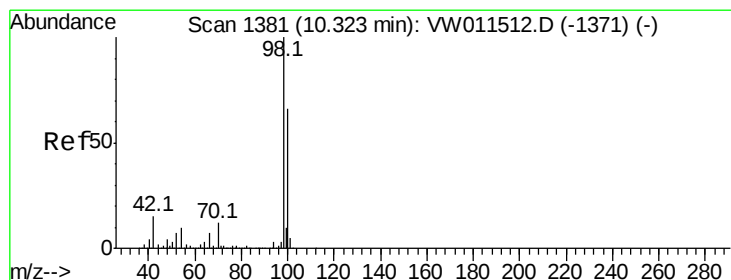
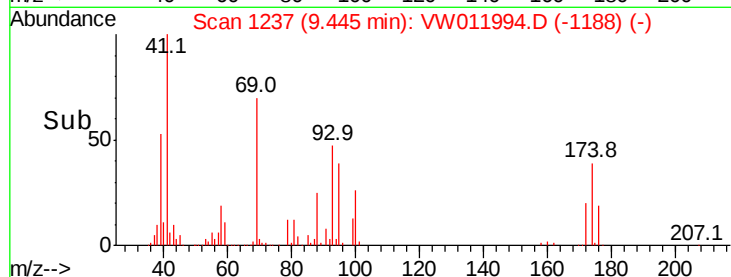
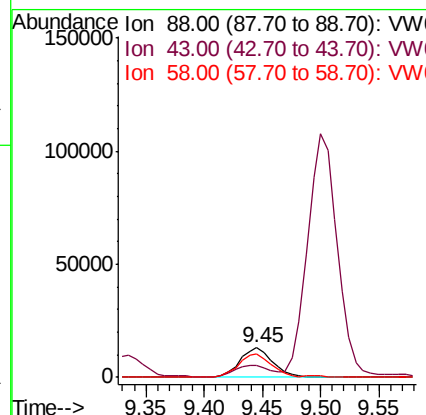
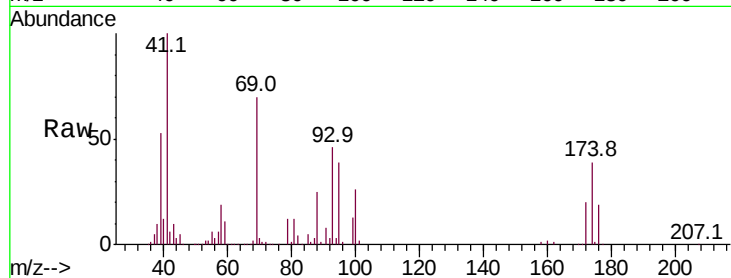




#49
1,4-Dioxane
Concen: 1238.248 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW011994.D
Acq: 19 Aug 2019 16:23

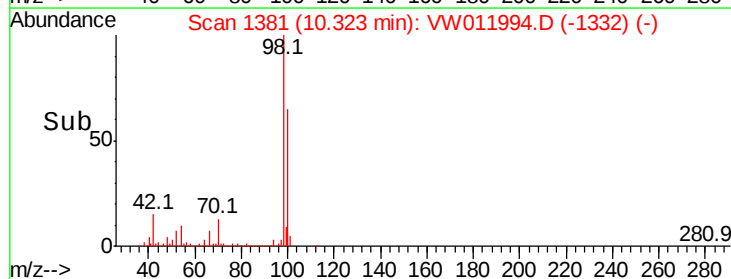
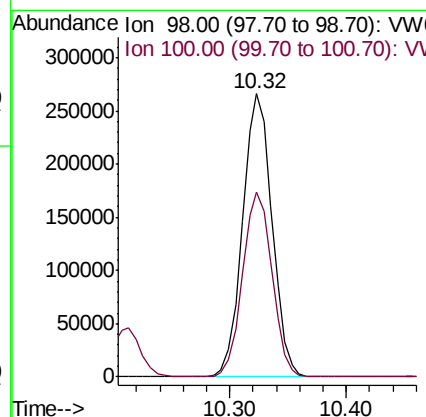
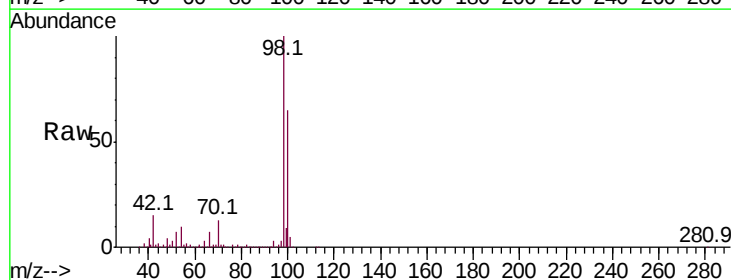
Instrument :
MSVOA_W
ClientSampleId :

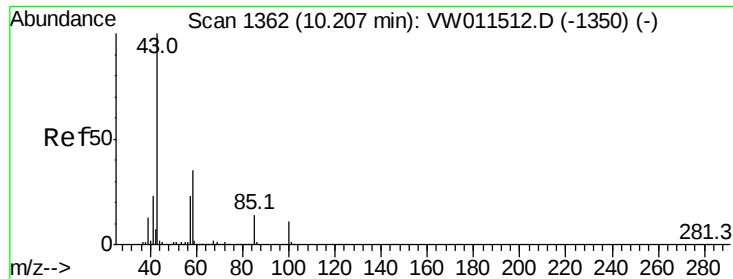
Tot Ion: 88 Resp: 25765
Ion Ratio Lower Upper
88 100
43 39.4 34.0 51.0
58 80.6 69.7 104.5



#50
Toluene-d8
Concen: 50.392 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW011994.D
Acq: 19 Aug 2019 16:23

Tgt Ion: 98 Resp: 467645
Ion Ratio Lower Upper
98 100
100 65.7 52.7 79.1





#51

4-Methyl-2-Pentanone

Concen: 279.838 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW011994.D

Acq: 19 Aug 2019 16:23

Instrument :

MSVOA_W

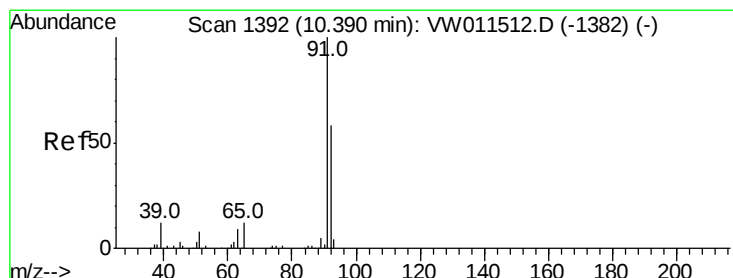
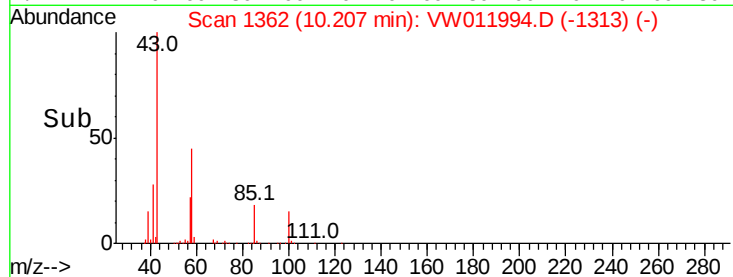
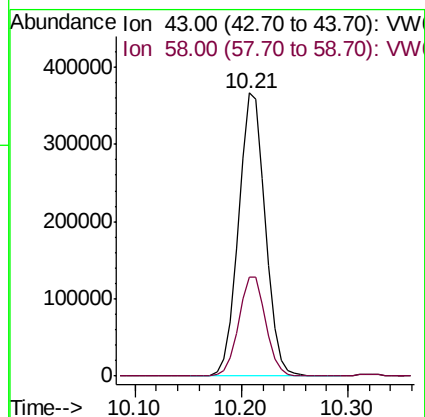
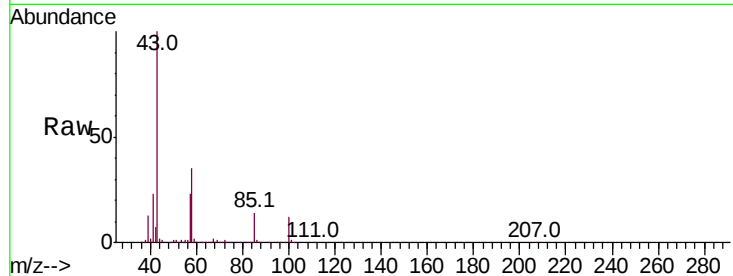
ClientSampleId :

Tot Ion: 43 Resp: 647000

Ion Ratio Lower Upper

43 100

58 35.6 28.2 42.2



#52

Toluene

Concen: 58.491 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW011994.D

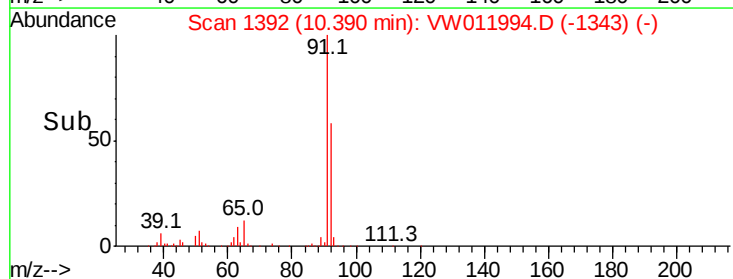
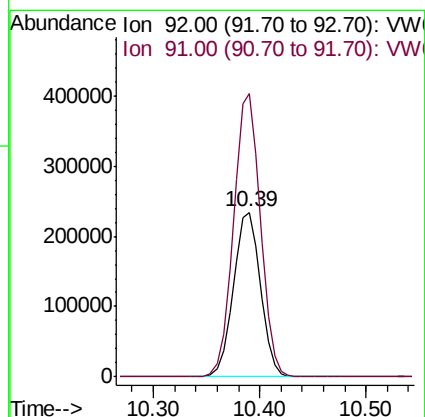
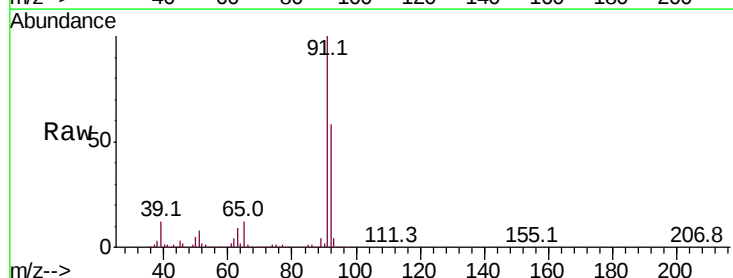
Acq: 19 Aug 2019 16:23

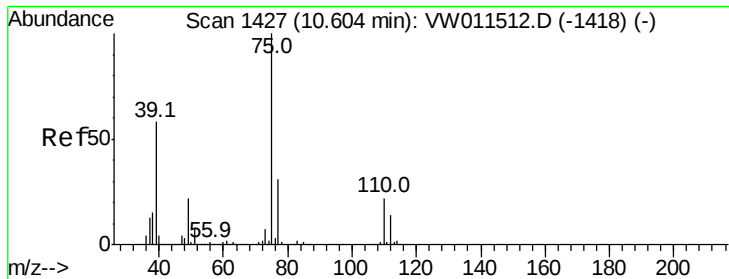
Tgt Ion: 92 Resp: 415655

Ion Ratio Lower Upper

92 100

91 171.5 136.7 205.1





#53

t-1,3-Dichloropropene

Concen: 58.178 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW011994.D

Acq: 19 Aug 2019 16:23

Instrument :

MSVOA_W

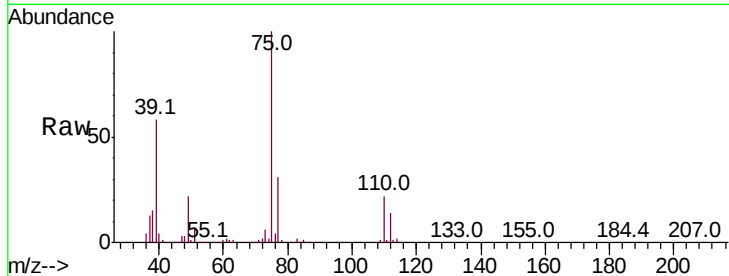
ClientSampled :

Tot Ion: 75 Resp: 229088

Ion Ratio Lower Upper

75 100

77 30.6 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

10.60

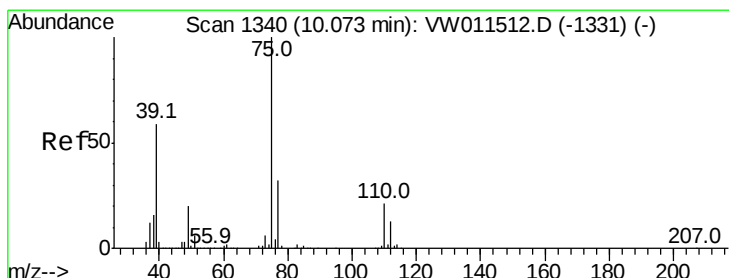
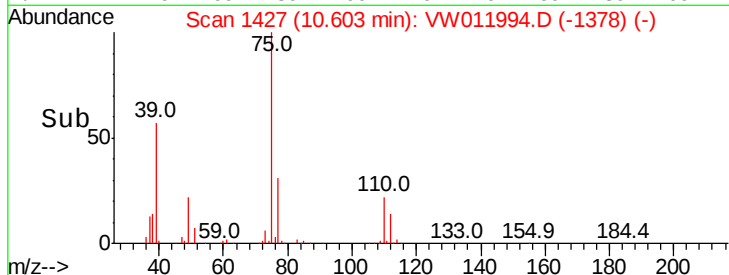
150000

100000

50000

0

Time--> 10.50 10.60 10.70



#54

cis-1,3-Dichloropropene

Concen: 58.543 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW011994.D

Acq: 19 Aug 2019 16:23

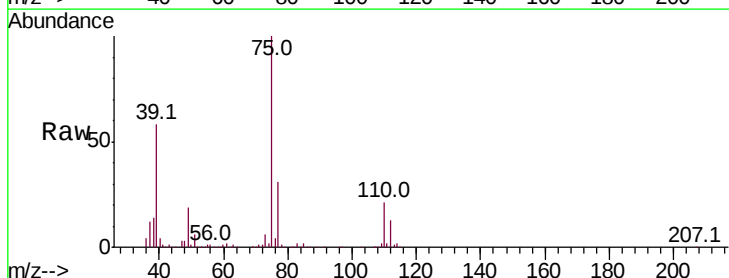
Tgt Ion: 75 Resp: 274094

Ion Ratio Lower Upper

75 100

77 31.4 25.6 38.4

39 57.5 47.0 70.4



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

10.07

200000

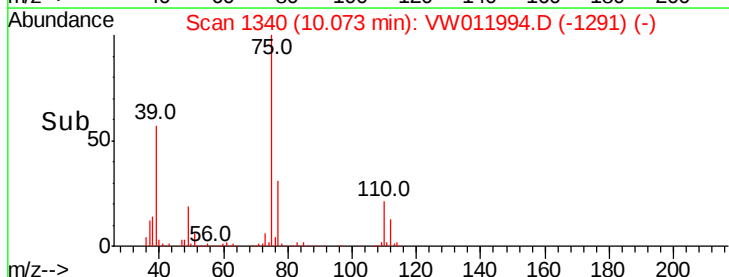
150000

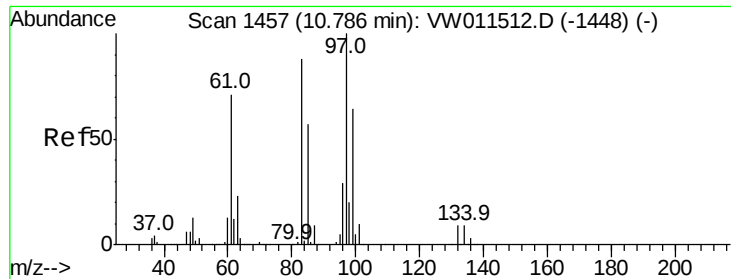
100000

50000

0

Time--> 10.00 10.10 10.20

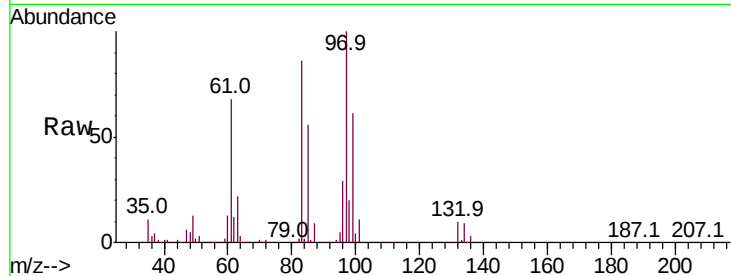




#55
 1,1,2-Trichloroethane
 Concen: 57.572 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW011994.D
 Acq: 19 Aug 2019 16:23

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:	97	Resp:	117388
Ion	Ratio	Lower	Upper
97	100		
83	86.1	70.5	105.7
85	55.8	45.8	68.6
99	61.3	51.0	76.4



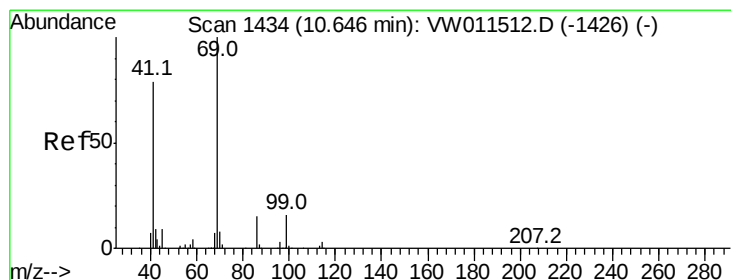
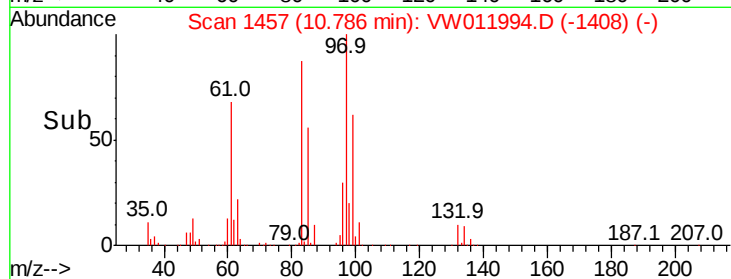
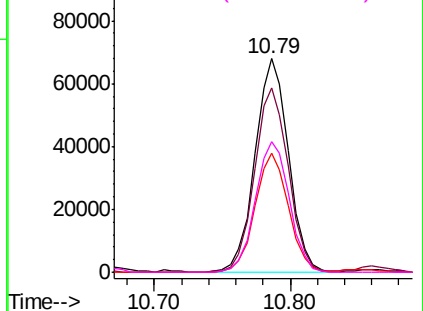
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

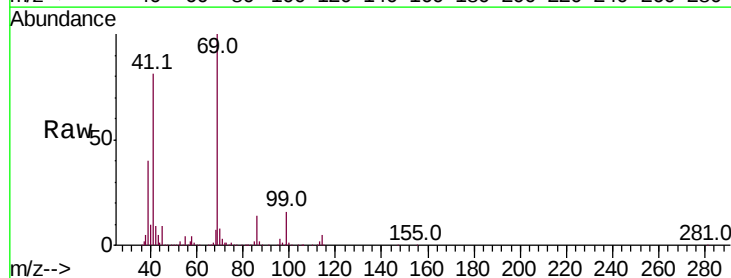
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 59.698 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW011994.D
 Acq: 19 Aug 2019 16:23

Tgt Ion:	69	Resp:	178119
Ion	Ratio	Lower	Upper
69	100		
41	81.3	66.6	99.8
39	37.7	30.3	45.5

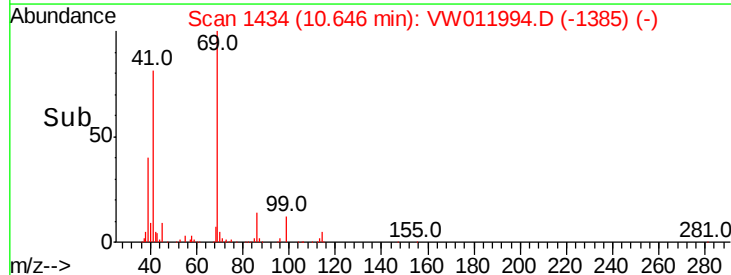
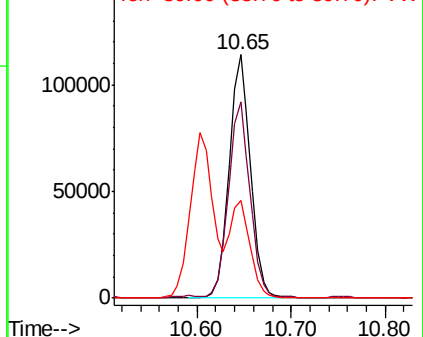


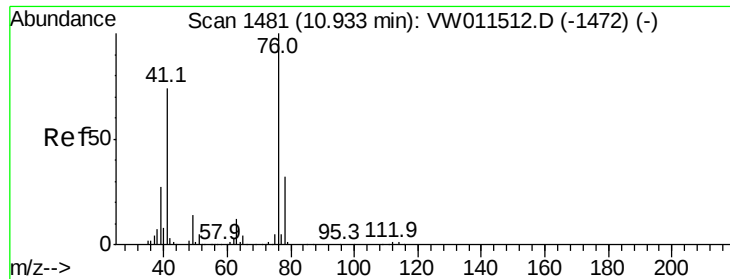
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

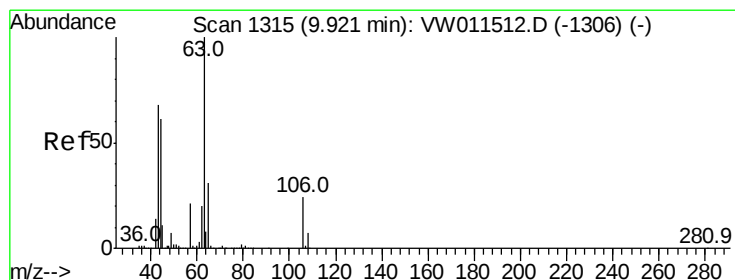
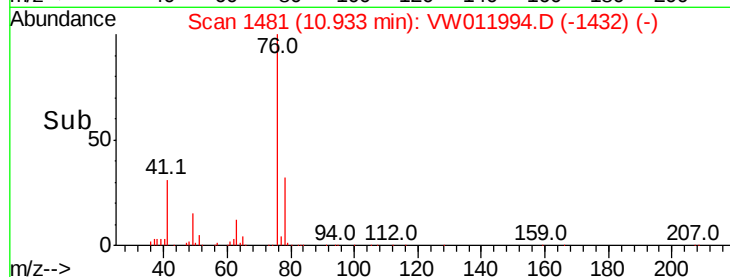
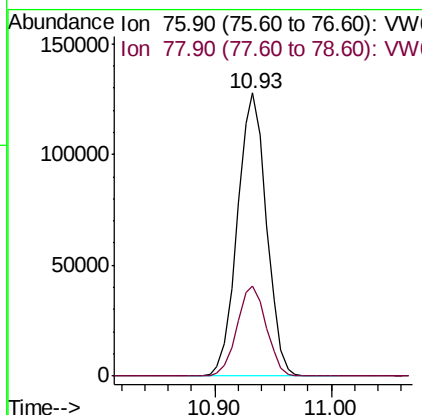
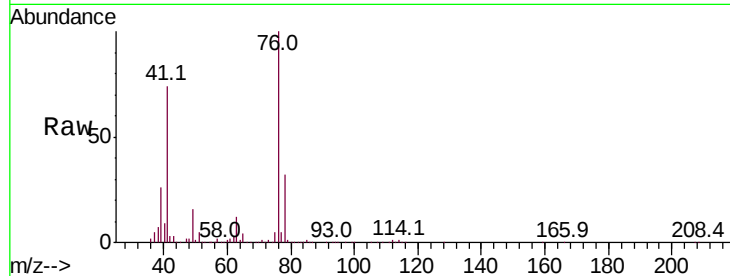




#57
 1,3-Dichloropropane
 Concen: 57.559 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW011994.D
 Acq: 19 Aug 2019 16:23

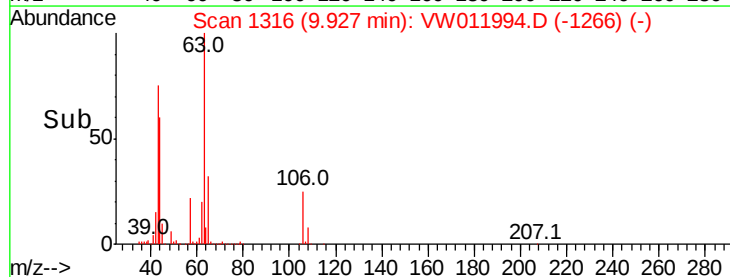
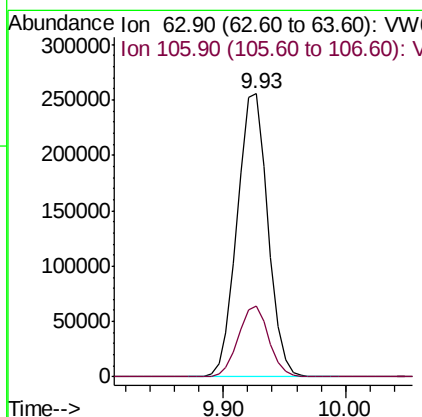
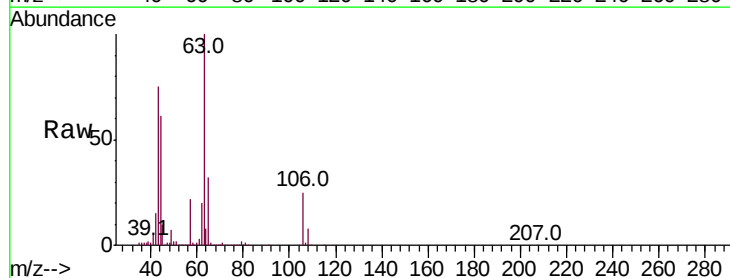
Instrument :
 MSVOA_W
 ClientSampled :

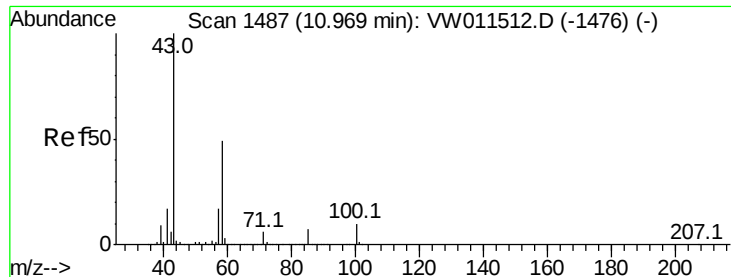
Tot Ion: 76 Resp: 222034
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.2 37.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 327.864 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW011994.D
 Acq: 19 Aug 2019 16:23

Tgt Ion: 63 Resp: 444157
 Ion Ratio Lower Upper
 63 100
 106 24.9 19.7 29.5

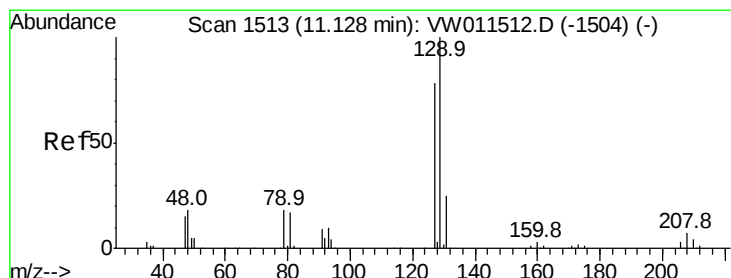
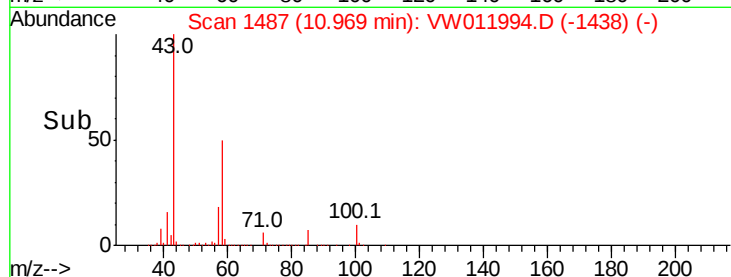
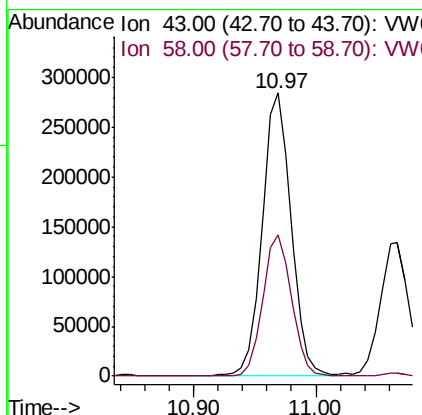
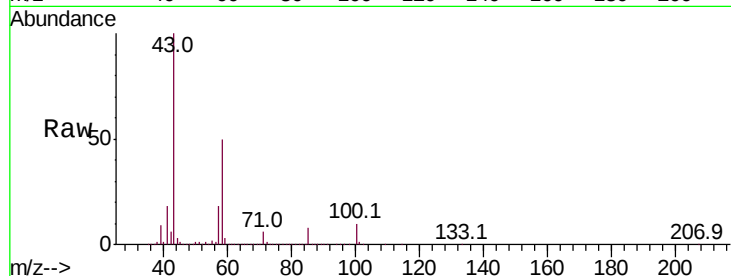




#59
2-Hexanone
Concen: 286.695 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW011994.D
Acq: 19 Aug 2019 16:23

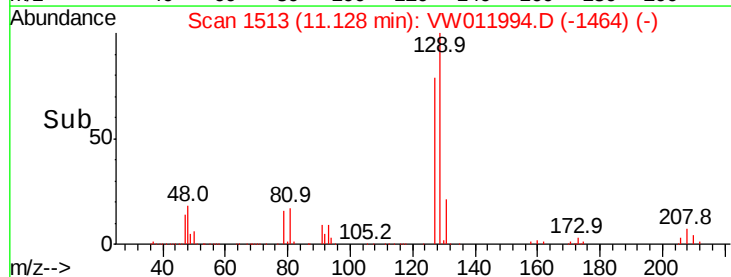
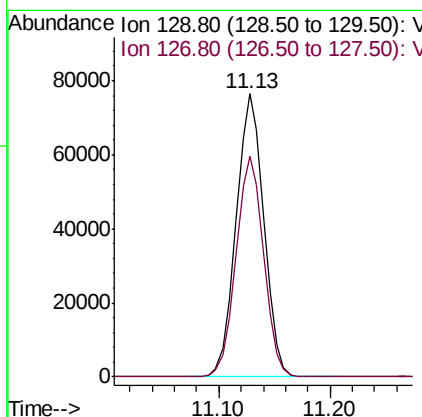
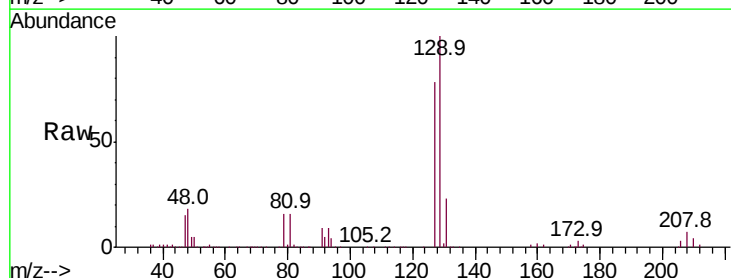
Instrument :
MSVOA_W
ClientSampleId :

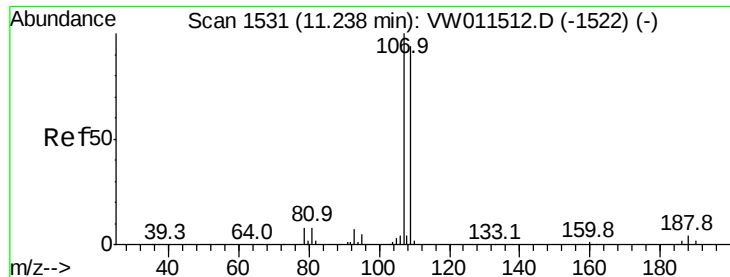
Tot Ion: 43 Resp: 468018
Ion Ratio Lower Upper
43 100
58 49.7 24.3 72.9



#60
Dibromochloromethane
Concen: 57.888 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW011994.D
Acq: 19 Aug 2019 16:23

Tgt Ion: 129 Resp: 131017
Ion Ratio Lower Upper
129 100
127 77.8 38.9 116.7

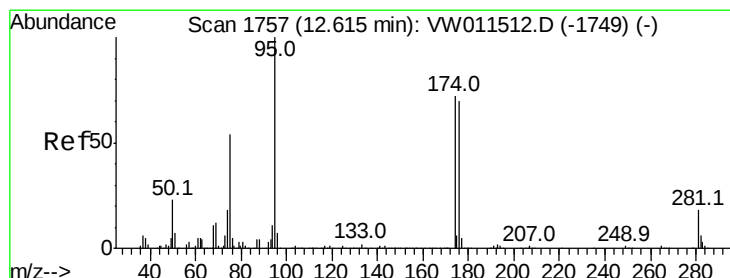
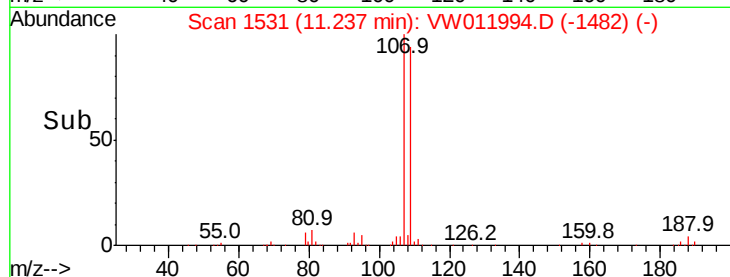
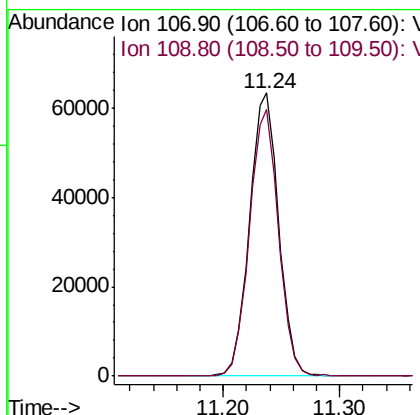
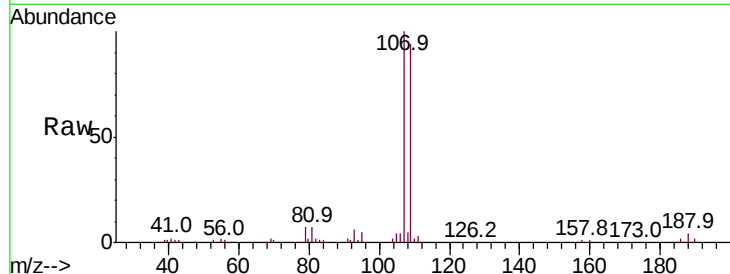




#61
 1,2-Dibromoethane
 Concen: 57.235 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW011994.D
 Acq: 19 Aug 2019 16:23

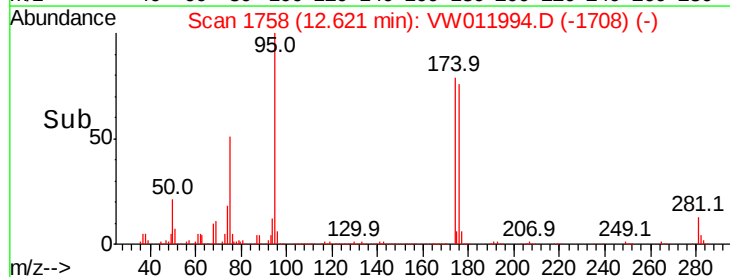
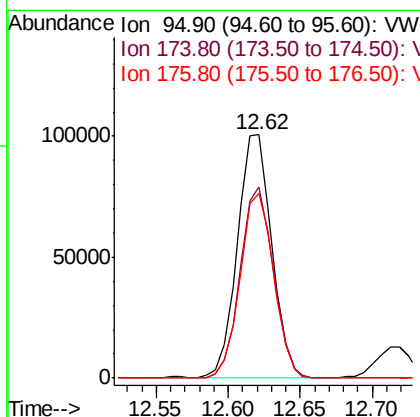
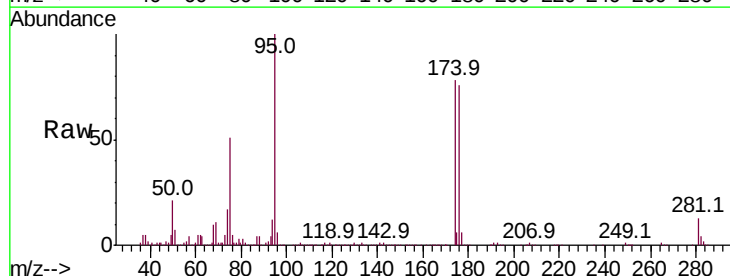
Instrument :
 MSVOA_W
 ClientSampleId :

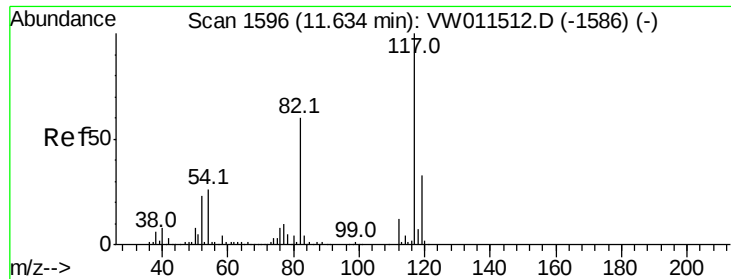
Tot Ion:107 Resp: 110438
 Ion Ratio Lower Upper
 107 100
 109 94.3 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 50.044 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.01 min
 Lab File: VW011994.D
 Acq: 19 Aug 2019 16:23

Tgt Ion: 95 Resp: 165572
 Ion Ratio Lower Upper
 95 100
 174 76.7 0.0 150.2
 176 74.7 0.0 144.4

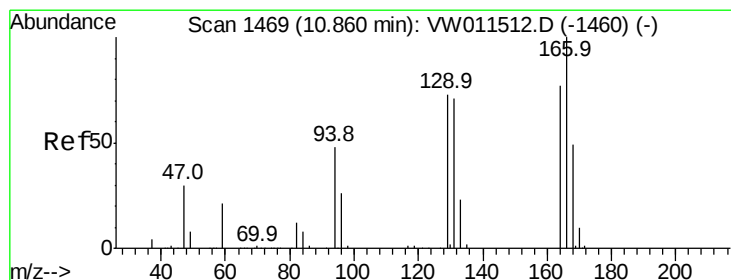
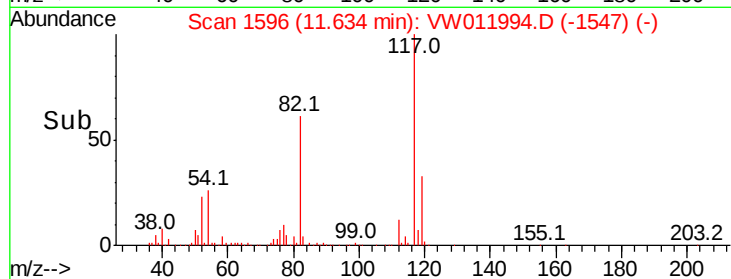
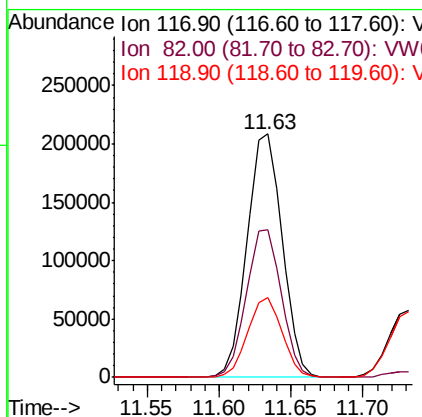
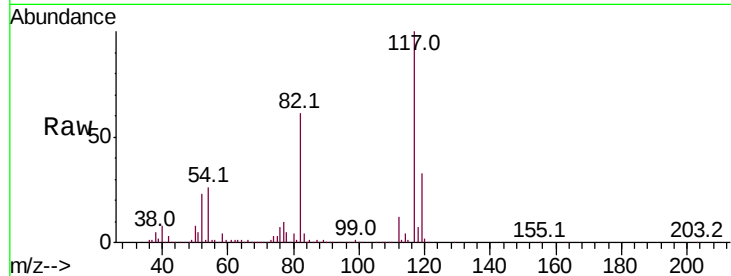




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011994.D
Acq: 19 Aug 2019 16:23

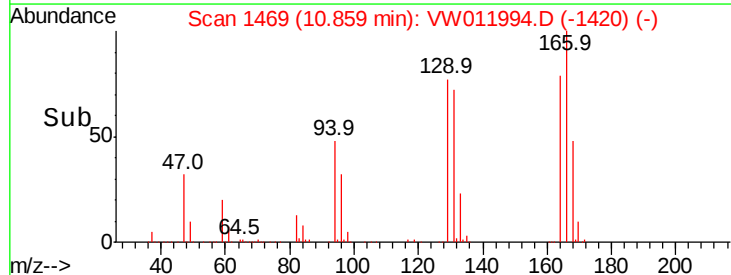
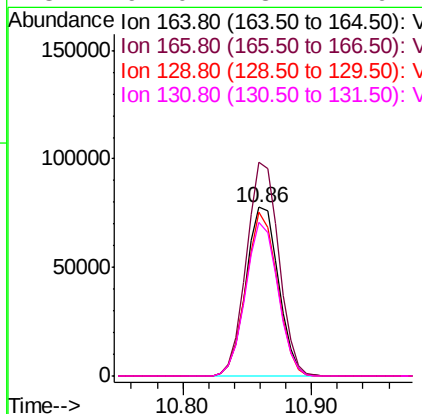
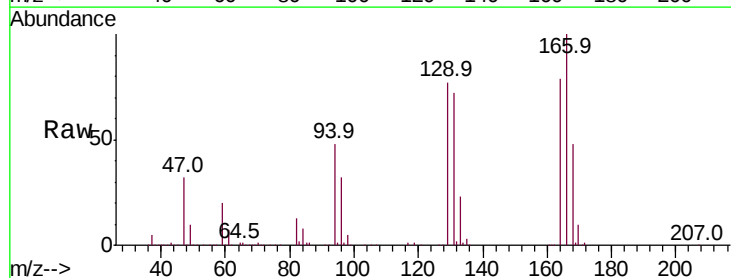
Instrument :
MSVOA_W
ClientSampled :

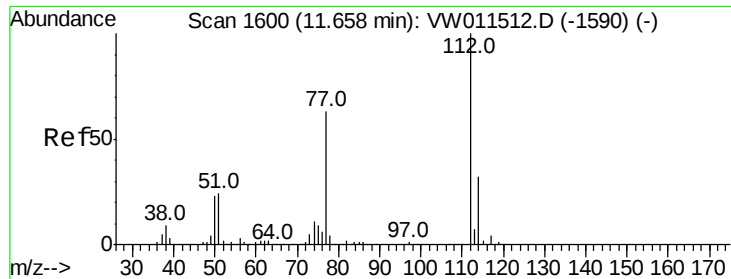
Tot Ion	Ratio	Lower	Upper
117	100		
82	60.7	47.9	71.9
119	32.9	26.2	39.2



#64
Tetrachloroethene
Concen: 59.065 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW011994.D
Acq: 19 Aug 2019 16:23

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.8	103.5	155.3
129	97.6	75.2	112.8
131	91.0	73.4	110.2

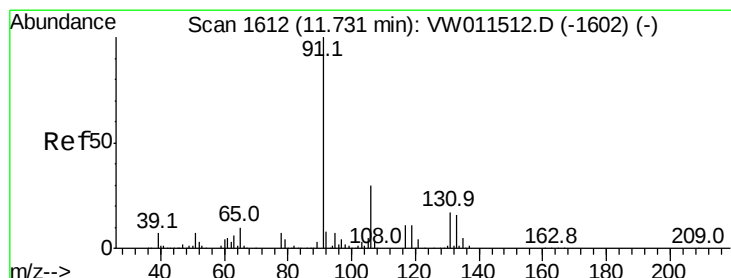
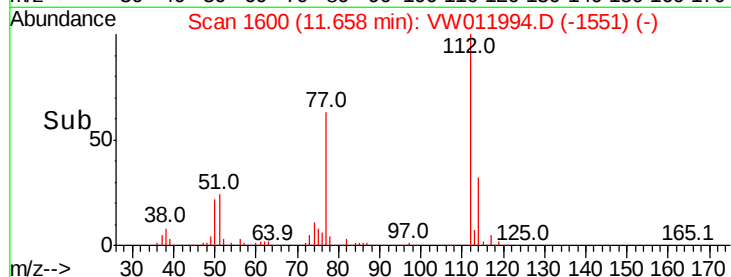
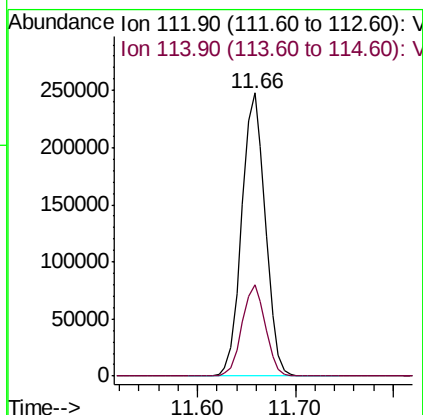
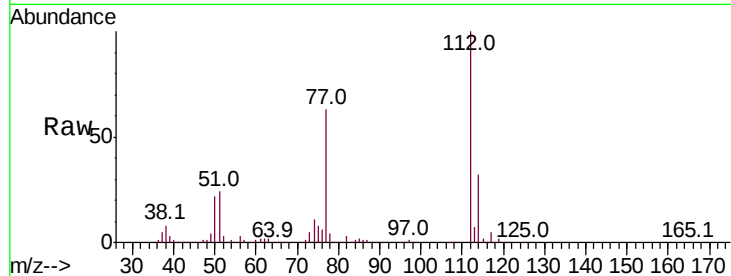




#65
Chlorobenzene
Concen: 58.384 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW011994.D
Acq: 19 Aug 2019 16:23

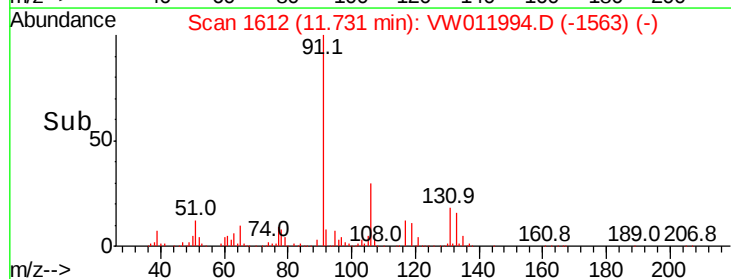
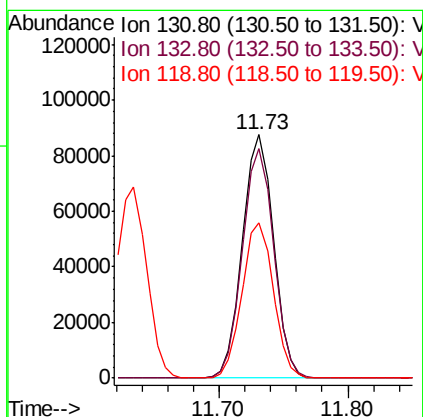
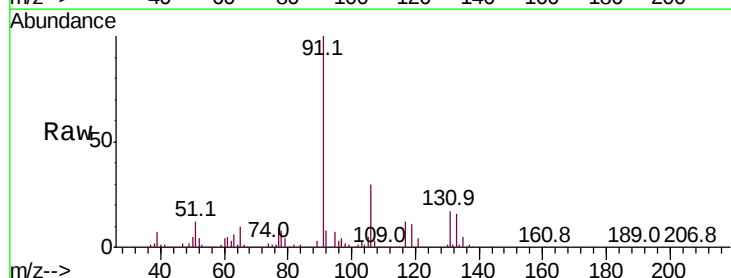
Instrument :
MSVOA_W
ClientSampleId :

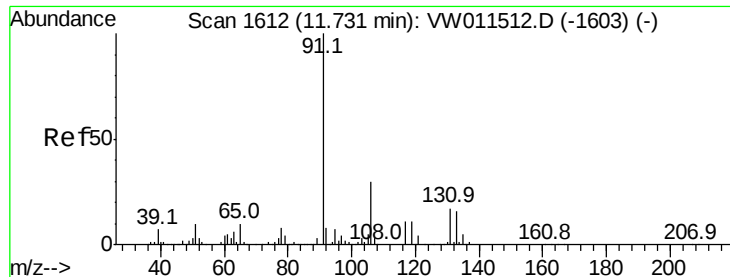
Tot Ion:112 Resp: 413936
Ion Ratio Lower Upper
112 100
114 32.3 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 59.230 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011994.D
Acq: 19 Aug 2019 16:23

Tgt Ion:131 Resp: 146273
Ion Ratio Lower Upper
131 100
133 95.0 47.4 142.2
119 64.5 32.3 96.9

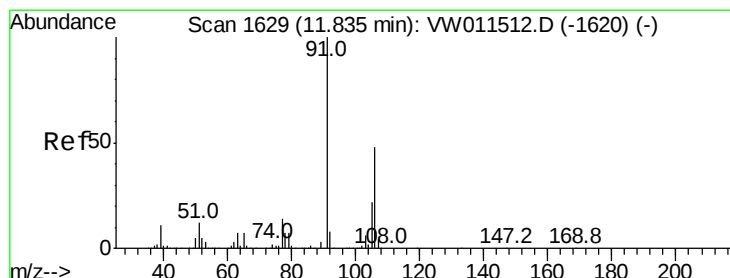
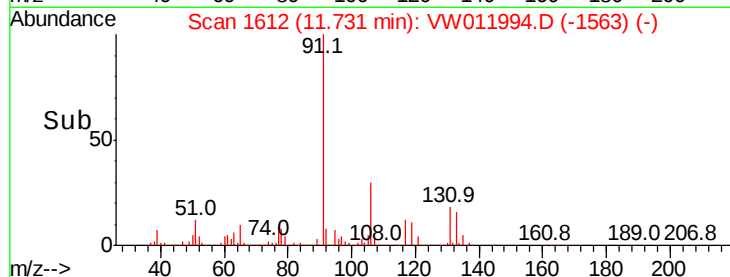
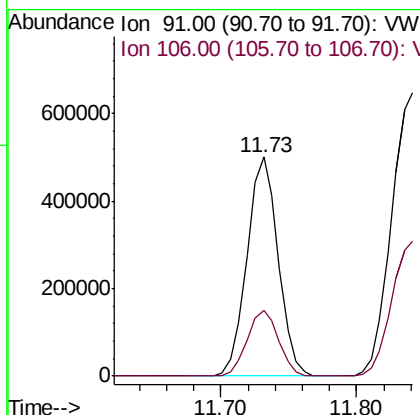
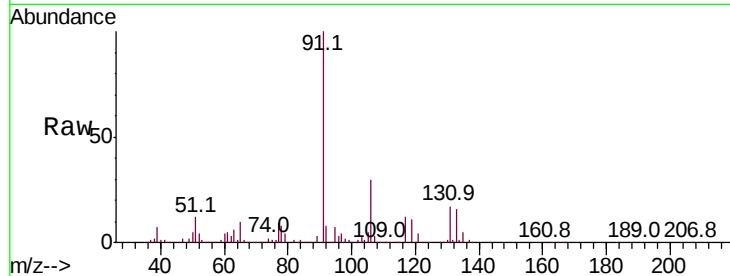




#67
Ethyl Benzene
Concen: 59.586 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011994.D
Acq: 19 Aug 2019 16:23

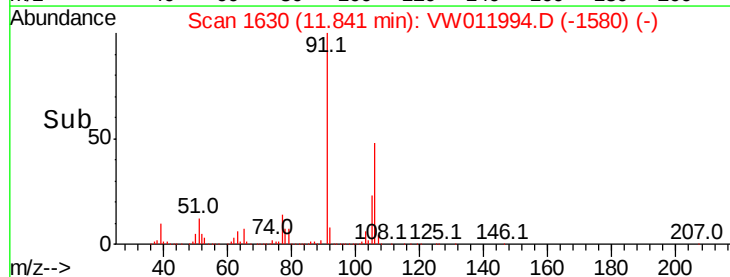
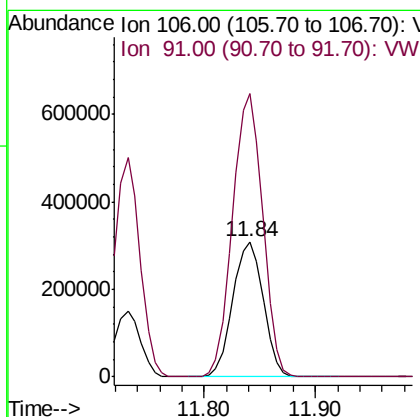
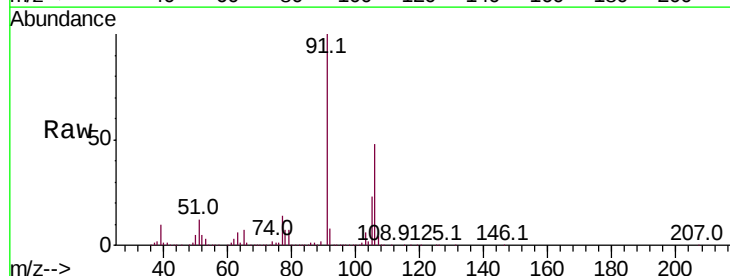
Instrument :
MSVOA_W
ClientSampleId :

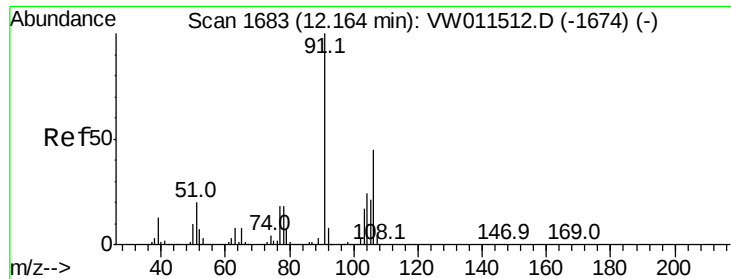
Tot Ion: 91 Resp: 804587
Ion Ratio Lower Upper
91 100
106 30.0 23.8 35.6



#68
m/p-Xylenes
Concen: 118.854 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW011994.D
Acq: 19 Aug 2019 16:23

Tgt Ion:106 Resp: 583648
Ion Ratio Lower Upper
106 100
91 208.3 168.2 252.2

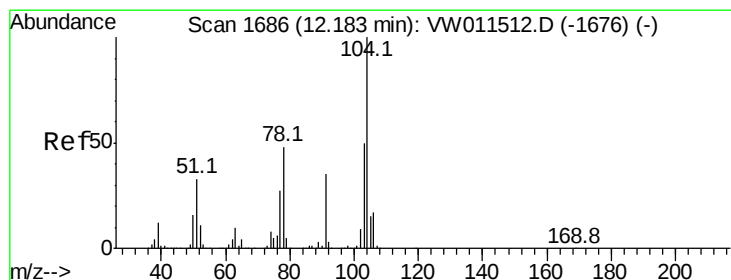
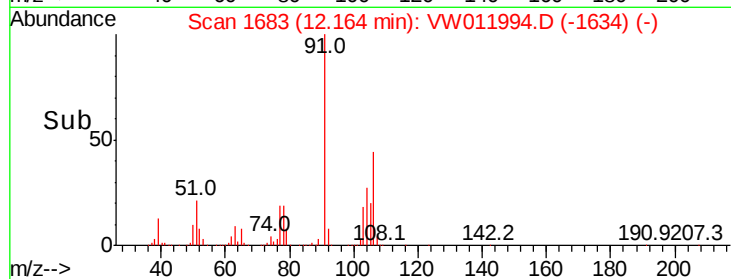
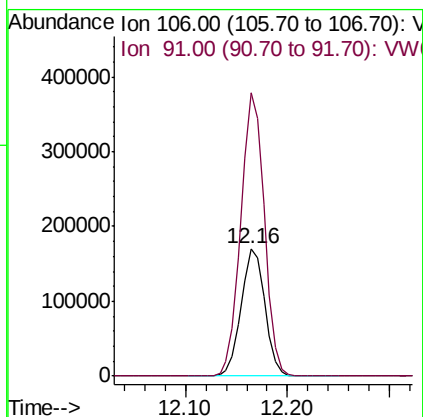
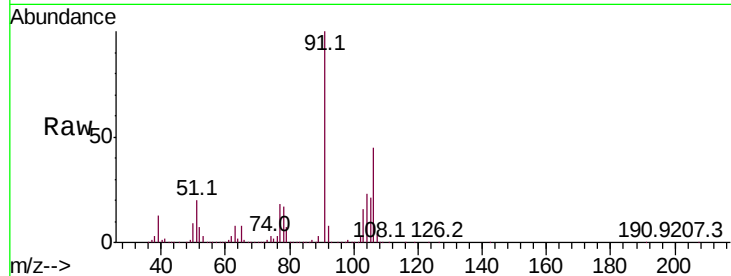




#69
o-Xylene
Concen: 60.134 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011994.D
Acq: 19 Aug 2019 16:23

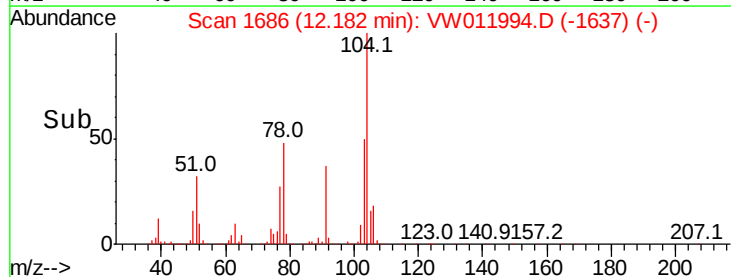
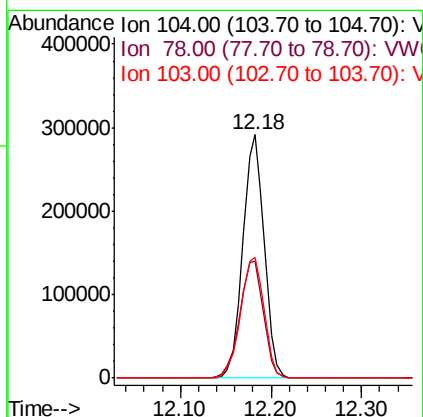
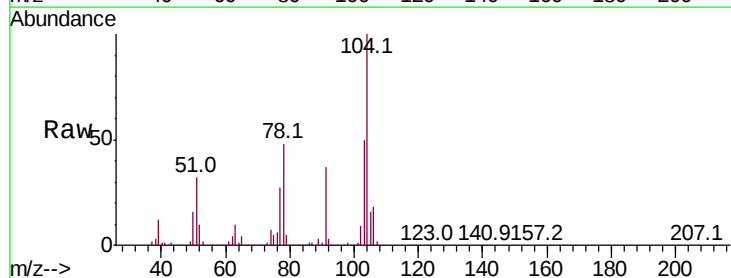
Instrument :
MSVOA_W
ClientSampleId :

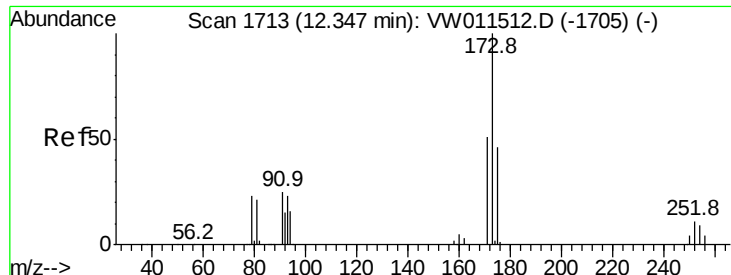
Tot Ion:106 Resp: 274406
Ion Ratio Lower Upper
106 100
91 219.9 110.5 331.5



#70
Styrene
Concen: 60.033 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011994.D
Acq: 19 Aug 2019 16:23

Tgt Ion:104 Resp: 473650
Ion Ratio Lower Upper
104 100
78 53.3 43.4 65.0
103 55.0 43.9 65.9

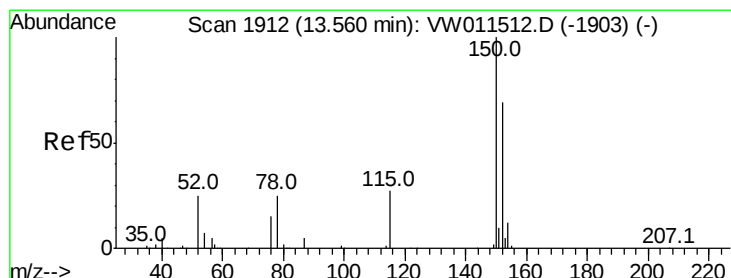
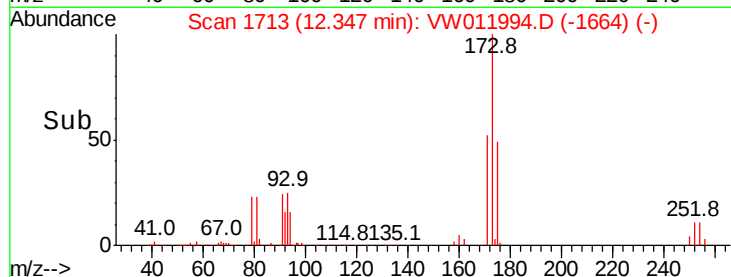
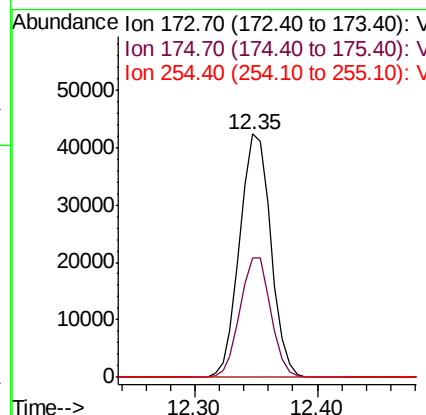
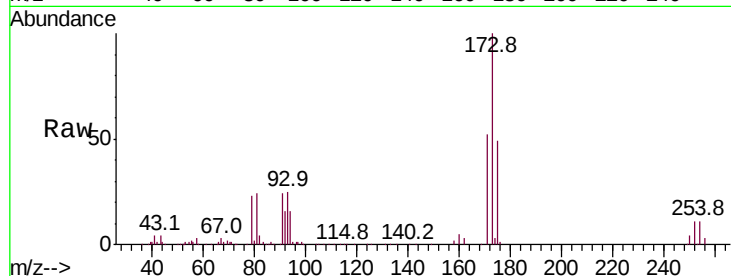




#71
Bromoform
Concen: 59.324 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW011994.D
Acq: 19 Aug 2019 16:23

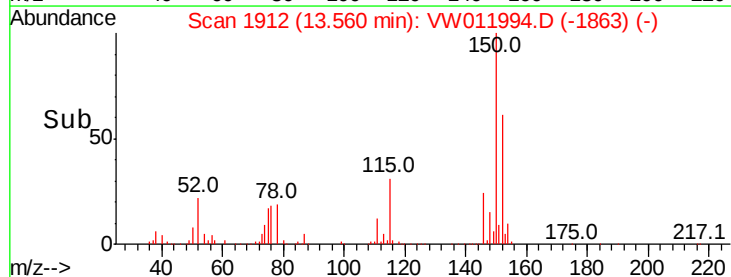
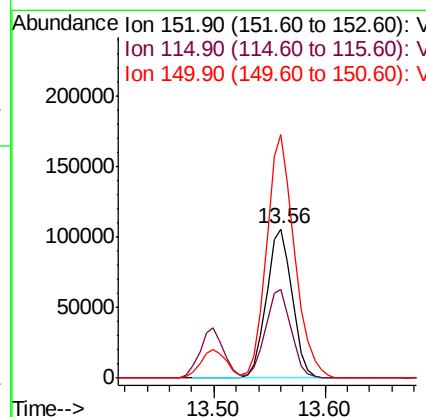
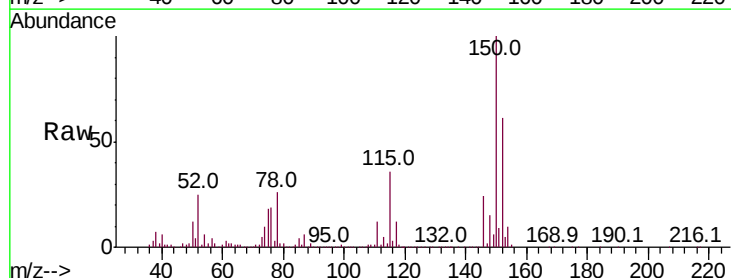
Instrument :
MSVOA_W
ClientSampled :

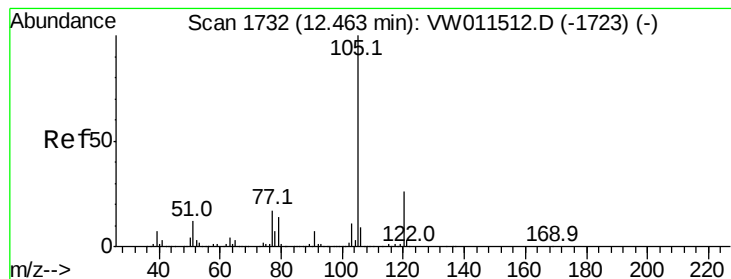
Tot Ion:173 Resp: 74697
Ion Ratio Lower Upper
173 100
175 48.6 23.6 71.0
254 0.1 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW011994.D
Acq: 19 Aug 2019 16:23

Tgt Ion:152 Resp: 170293
Ion Ratio Lower Upper
152 100
115 59.7 30.5 91.5
150 177.0 0.0 352.6





#73

Isopropylbenzene

Concen: 60.533 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW011994.D

Acq: 19 Aug 2019 16:23

Instrument :

MSVOA_W

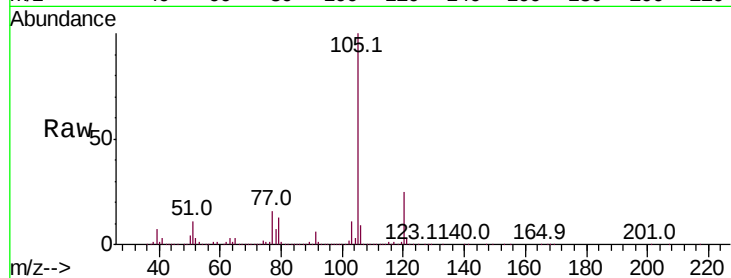
ClientSampled :

Tot Ion:105 Resp: 769028

Ion Ratio Lower Upper

105 100

120 25.8 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

500000

400000

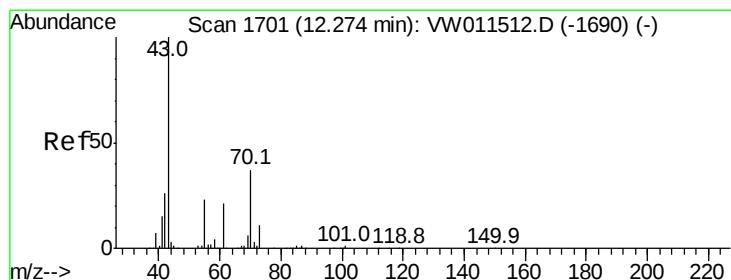
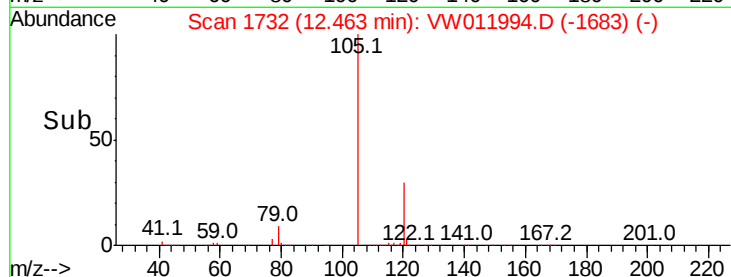
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 60.990 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW011994.D

Acq: 19 Aug 2019 16:23

Tgt Ion: 43 Resp: 242580

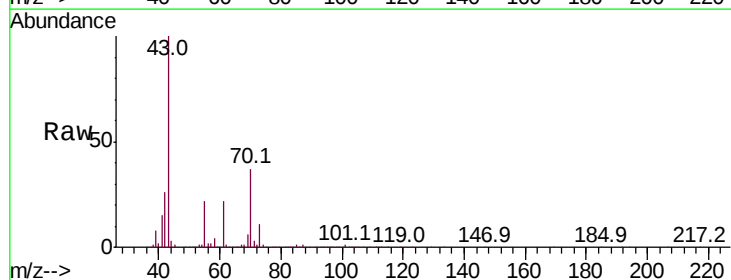
Ion Ratio Lower Upper

43 100

70 36.1 28.6 43.0

55 21.3 17.8 26.8

61 21.5 17.0 25.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

250000

200000

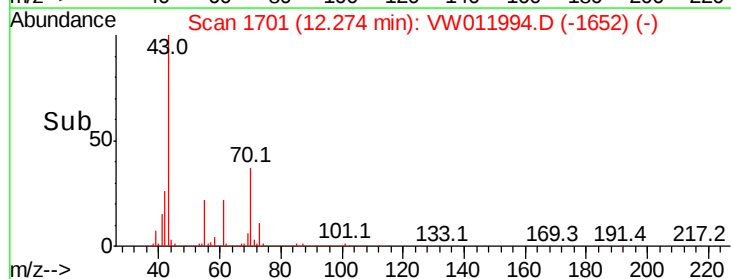
150000

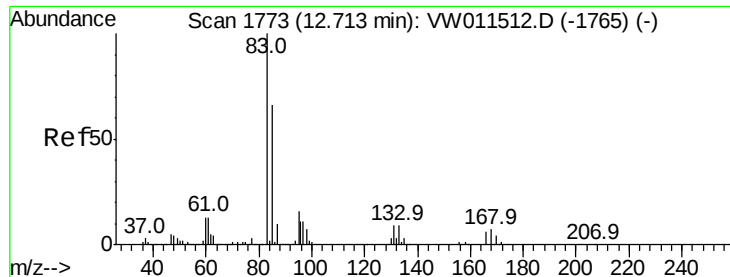
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 57.167 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011994.D

Acq: 19 Aug 2019 16:23

Instrument :

MSVOA_W

ClientSampleId :

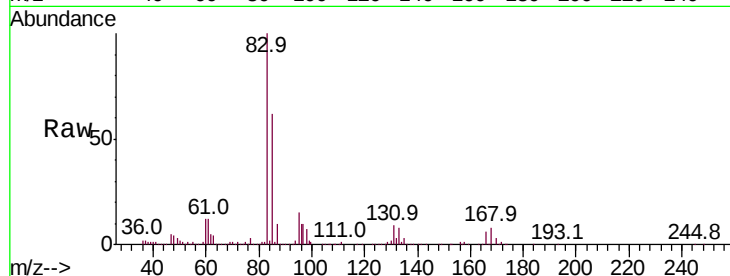
Tot Ion: 83 Resp: 136609

Ion Ratio Lower Upper

83 100

131 10.1 4.9 14.6

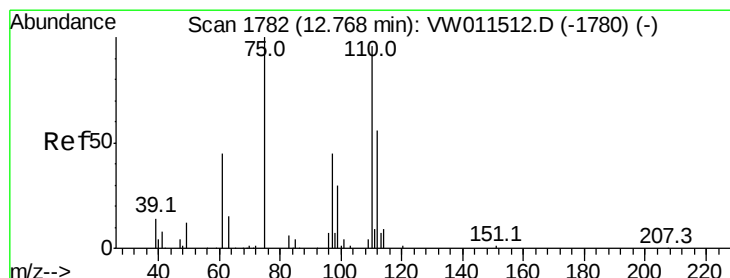
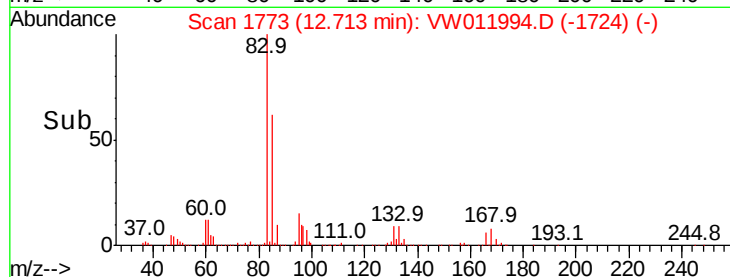
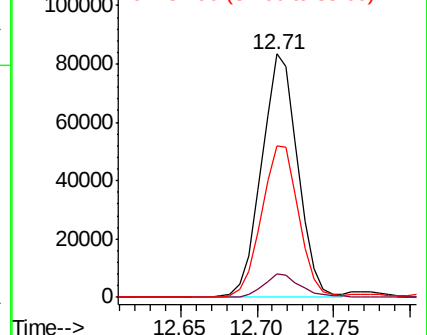
85 64.1 31.8 95.4



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 102.487 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW011994.D

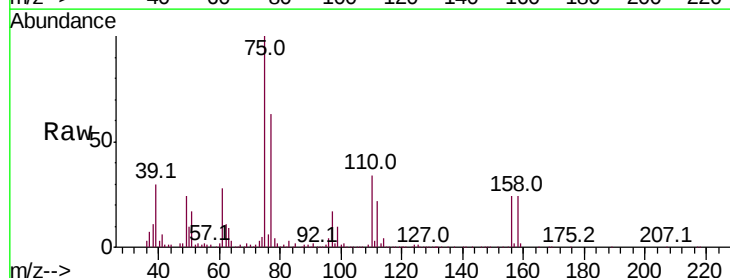
Acq: 19 Aug 2019 16:23

Tgt Ion: 75 Resp: 184671

Ion Ratio Lower Upper

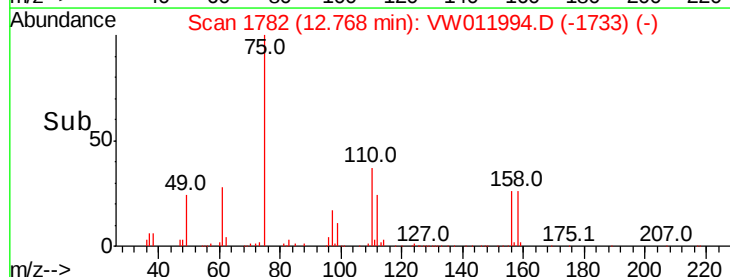
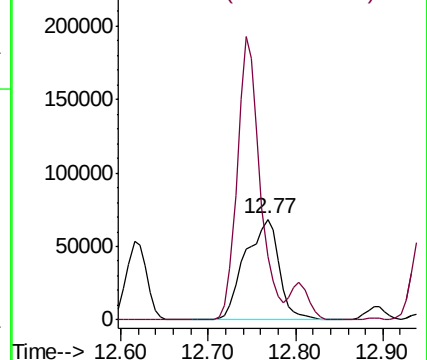
75 100

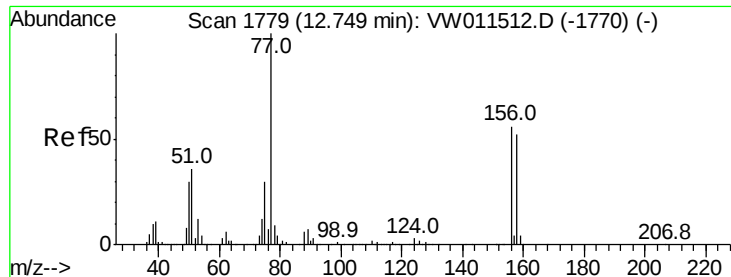
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 58.747 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW011994.D

Acq: 19 Aug 2019 16:23

Instrument :

MSVOA_W

ClientSampleId :

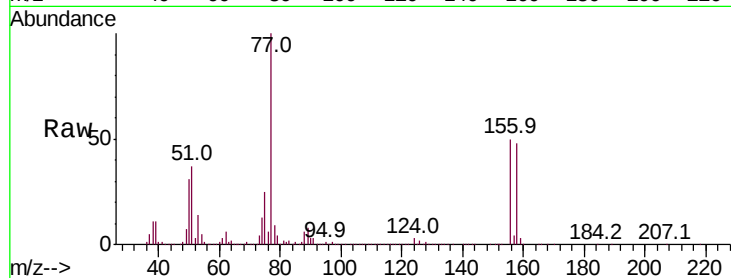
Tot Ion:156 Resp: 164962

Ion Ratio Lower Upper

156 100

77 211.7 106.5 319.4

158 97.2 48.0 144.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.30): VW

Ion 157.80 (157.50 to 158.10): V

250000

200000

150000

100000

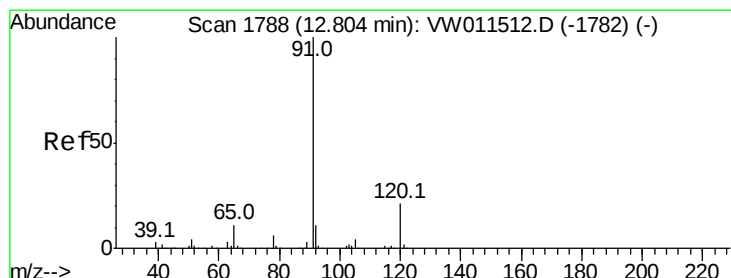
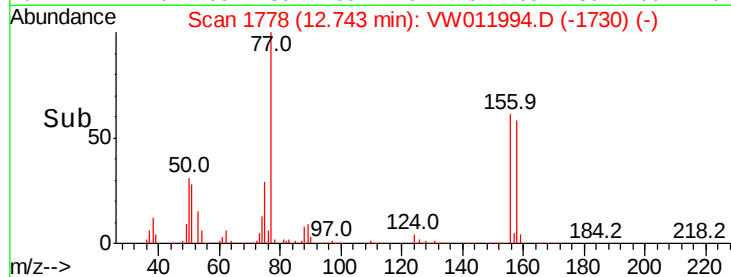
50000

0

12.70

12.80

Time-->



#78

n-propylbenzene

Concen: 60.548 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW011994.D

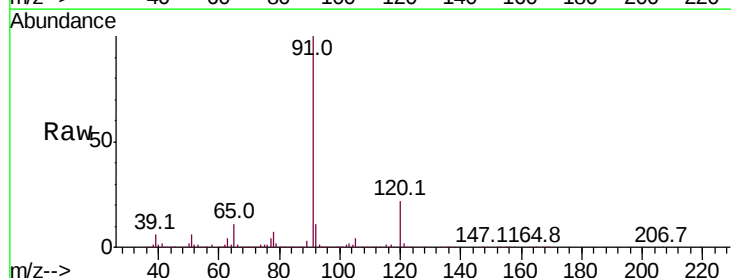
Acq: 19 Aug 2019 16:23

Tgt Ion: 91 Resp: 936138

Ion Ratio Lower Upper

91 100

120 21.5 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.30): VW

Ion 120.00 (119.70 to 120.30): V

600000

400000

200000

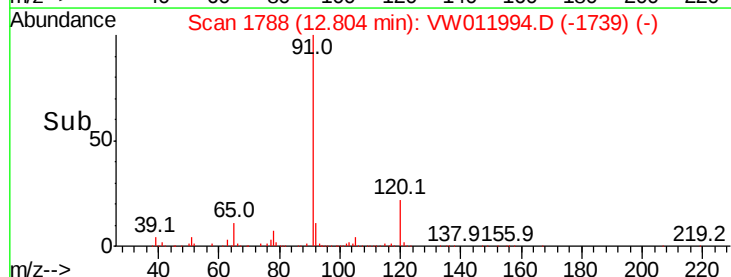
0

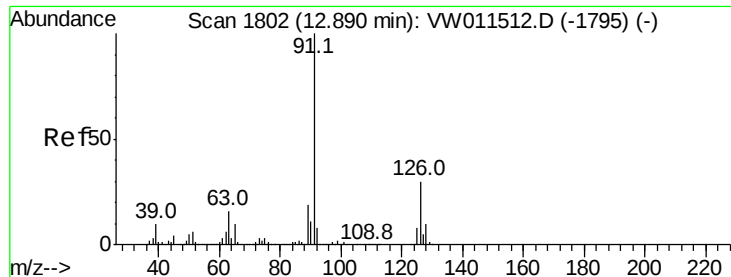
12.75

12.80

12.85

Time-->





#79

2-Chlorotoluene

Concen: 59.335 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW011994.D

Acq: 19 Aug 2019 16:23

Instrument :

MSVOA_W

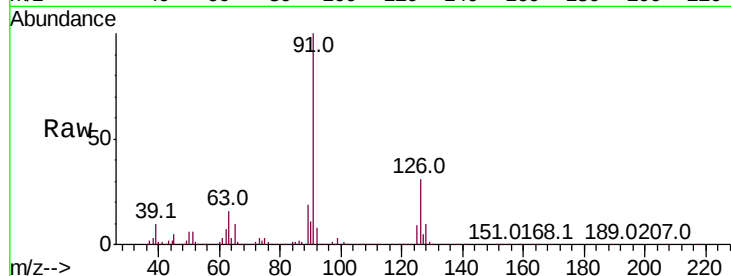
ClientSampleId :

Tot Ion: 91 Resp: 528512

Ion Ratio Lower Upper

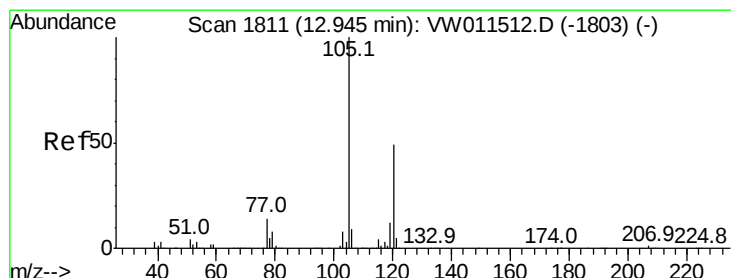
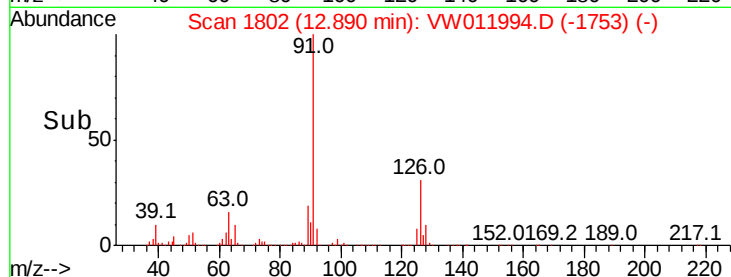
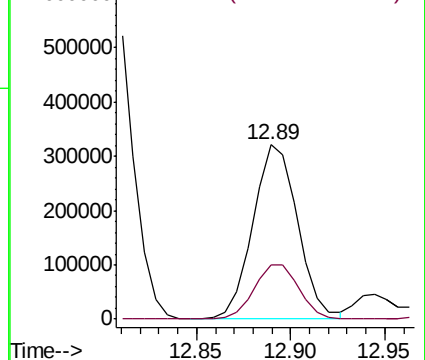
91 100

126 31.4 15.7 47.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 60.782 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW011994.D

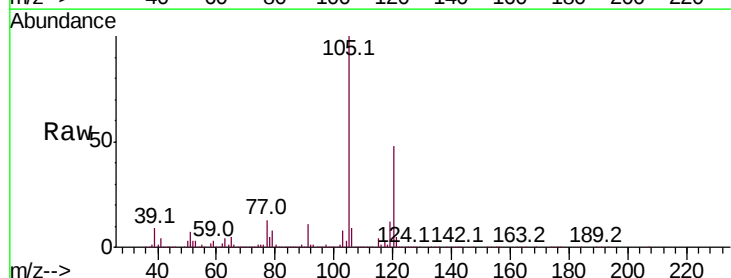
Acq: 19 Aug 2019 16:23

Tgt Ion:105 Resp: 647291

Ion Ratio Lower Upper

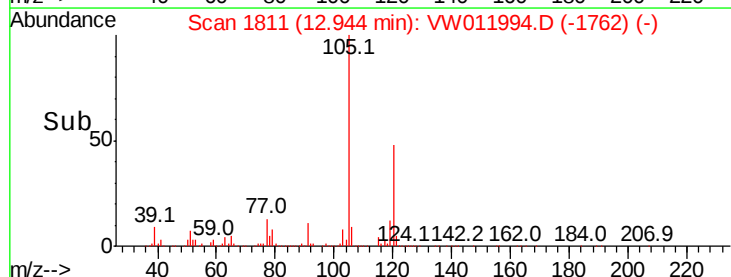
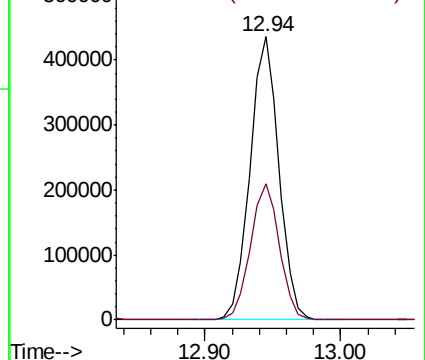
105 100

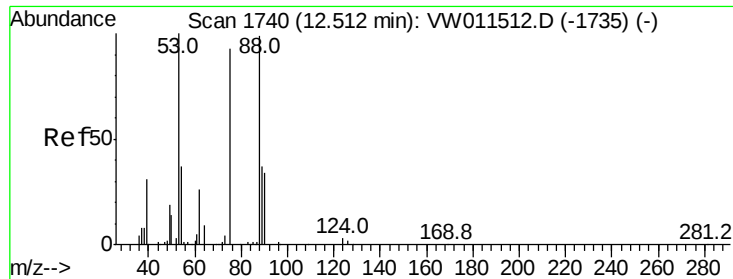
120 48.5 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

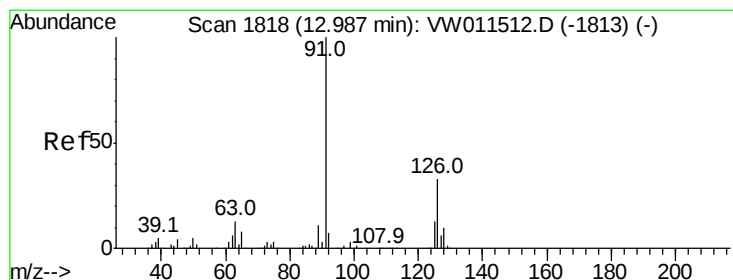
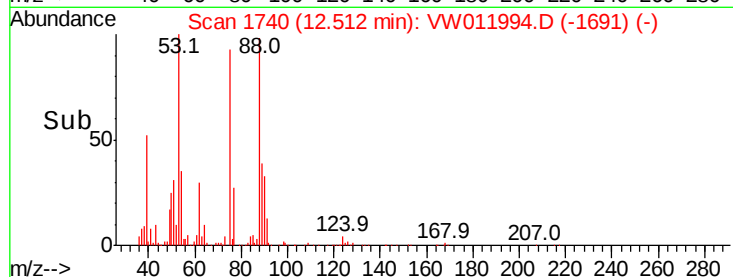
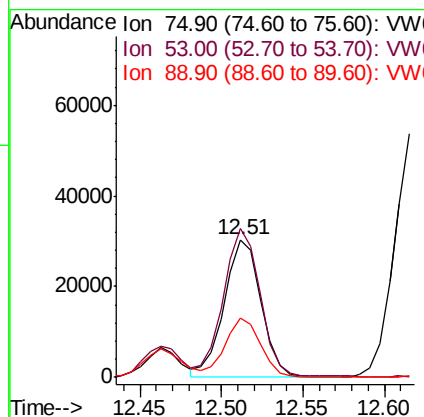
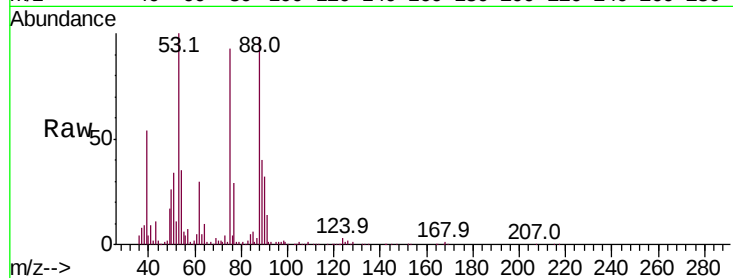




#81
trans-1,4-Dichloro-2-butene
Concen: 60.697 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW011994.D
Acq: 19 Aug 2019 16:23

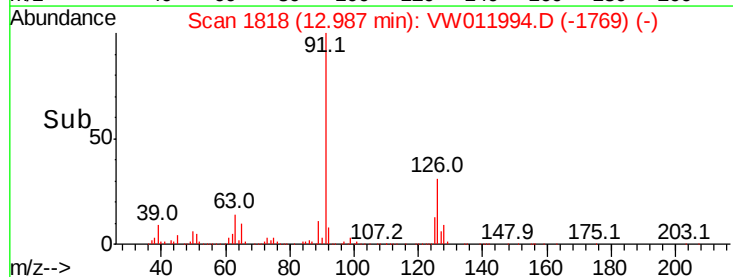
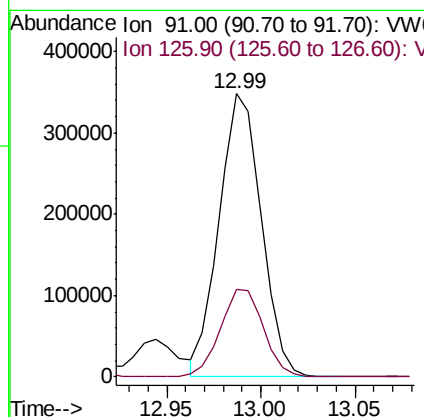
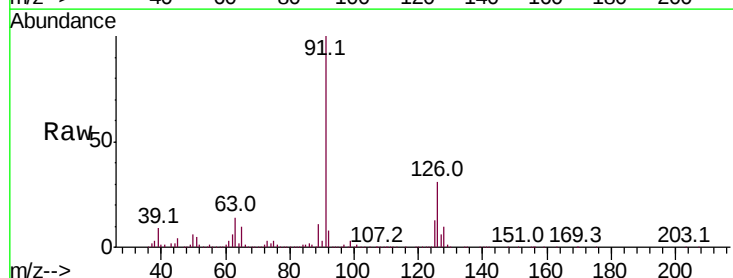
Instrument :
MSVOA_W
ClientSampleId :

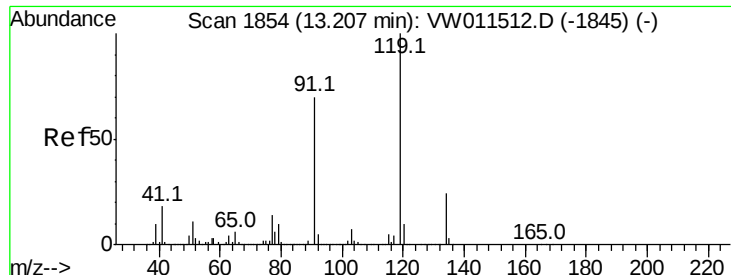
Tot Ion: 75 Resp: 47456
Ion Ratio Lower Upper
75 100
53 109.3 88.0 132.0
89 42.0 35.3 52.9



#82
4-Chlorotoluene
Concen: 57.810 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW011994.D
Acq: 19 Aug 2019 16:23

Tgt Ion: 91 Resp: 540261
Ion Ratio Lower Upper
91 100
126 31.6 15.6 46.8

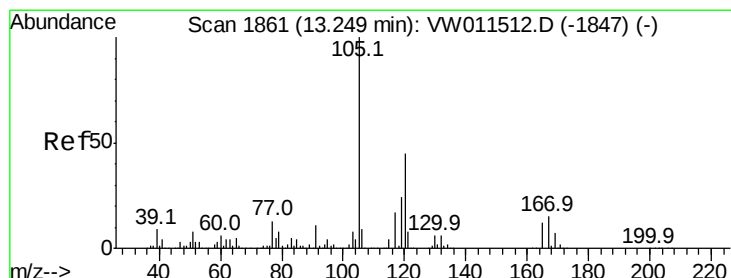
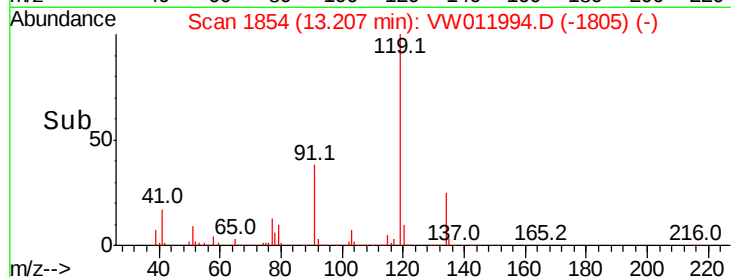
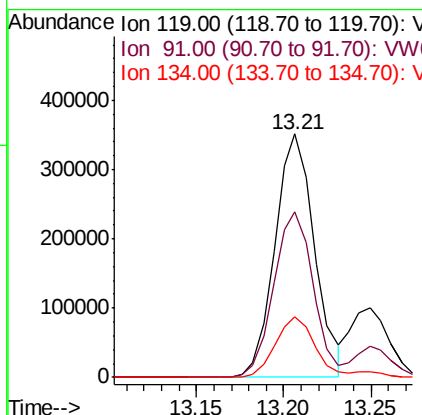
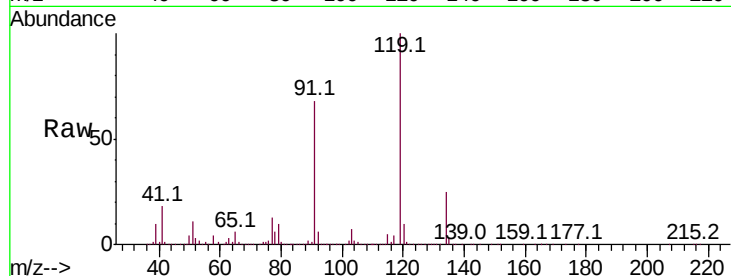




#83
tert-Butylbenzene
Concen: 62.368 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW011994.D
Acq: 19 Aug 2019 16:23

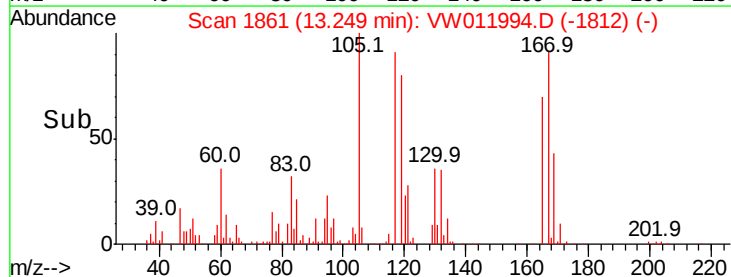
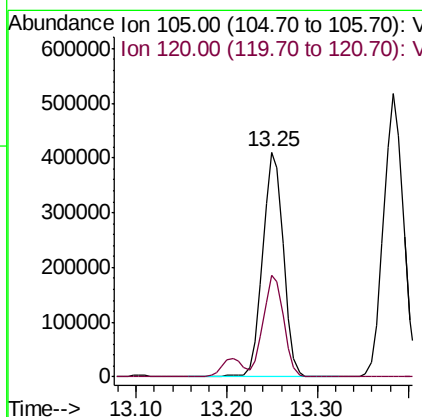
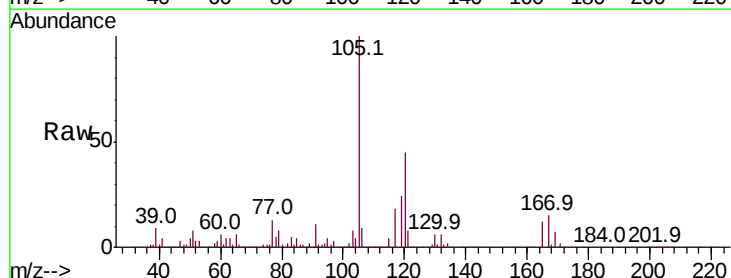
Instrument :
MSVOA_W
ClientSampleId :

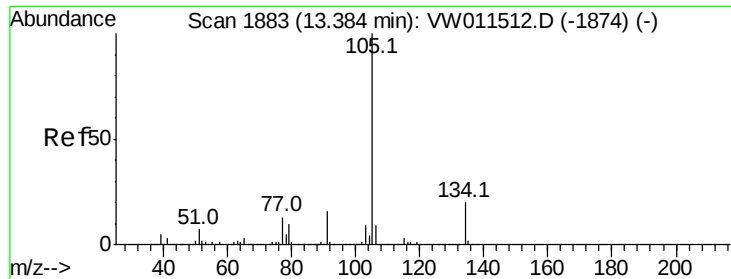
Tot Ion:119 Resp: 555418
Ion Ratio Lower Upper
119 100
91 67.7 34.5 103.6
134 24.9 12.4 37.4



#84
1,2,4-Trimethylbenzene
Concen: 60.263 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW011994.D
Acq: 19 Aug 2019 16:23

Tgt Ion:105 Resp: 646479
Ion Ratio Lower Upper
105 100
120 44.4 22.1 66.5





#85

sec-Butylbenzene

Concen: 61.820 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW011994.D

Acq: 19 Aug 2019 16:23

Instrument :

MSVOA_W

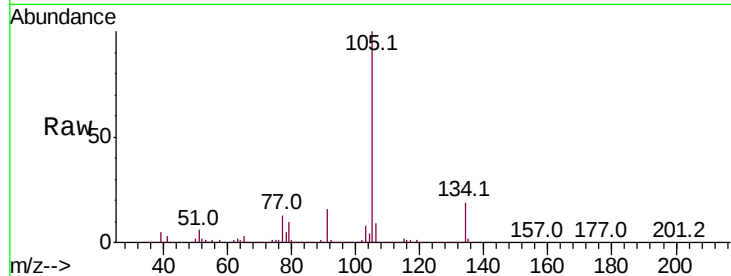
ClientSampled :

Tot Ion:105 Resp: 785547

Ion Ratio Lower Upper

105 100

134 19.5 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

600000

500000

400000

300000

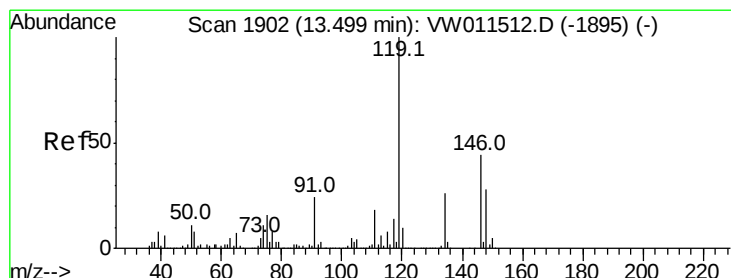
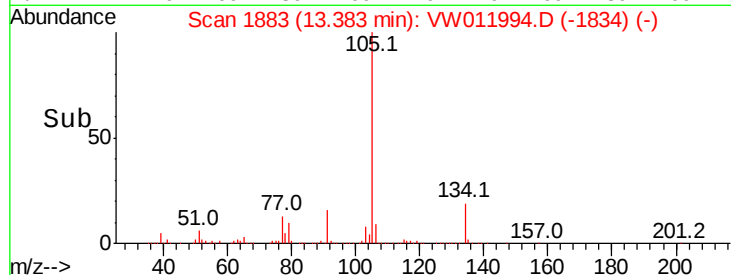
200000

100000

0

13.30 13.40 13.50

Time-->



#86

p-Isopropyltoluene

Concen: 61.767 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW011994.D

Acq: 19 Aug 2019 16:23

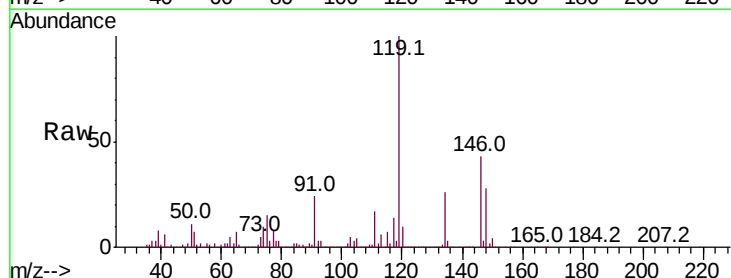
Tgt Ion:119 Resp: 712121

Ion Ratio Lower Upper

119 100

134 25.6 12.8 38.4

91 24.0 12.1 36.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

600000

500000

400000

300000

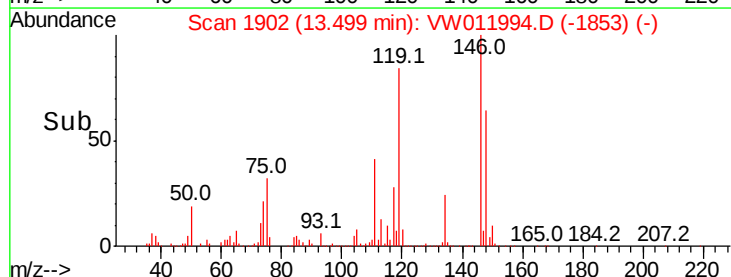
200000

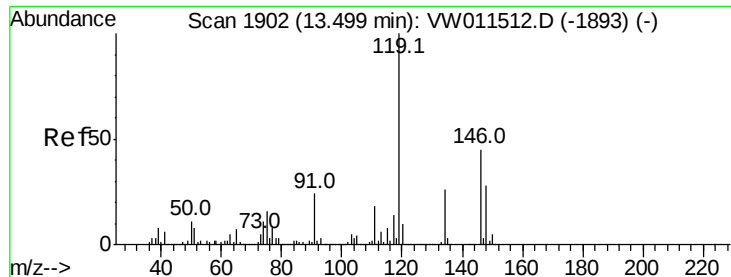
100000

0

13.45 13.50 13.55

Time-->





#87

1,3-Dichlorobenzene

Concen: 58.999 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW011994.D

Acq: 19 Aug 2019 16:23

Instrument :

MSVOA_W

ClientSampled :

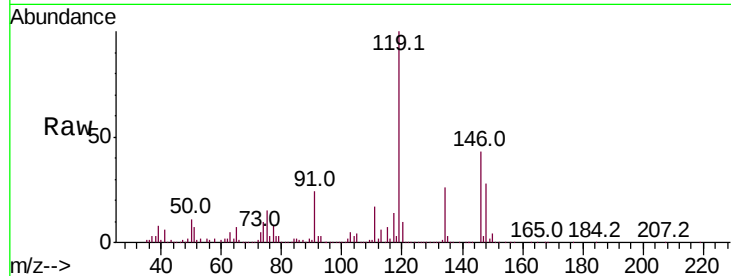
Tot Ion:146 Resp: 324842

Ion Ratio Lower Upper

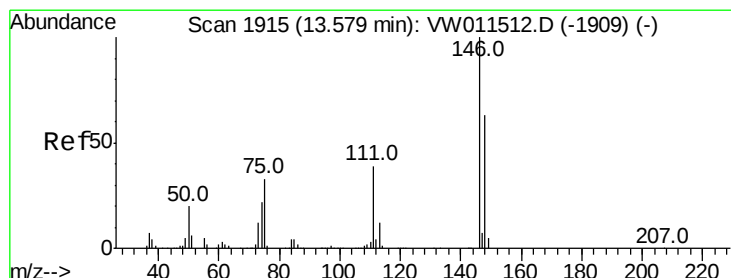
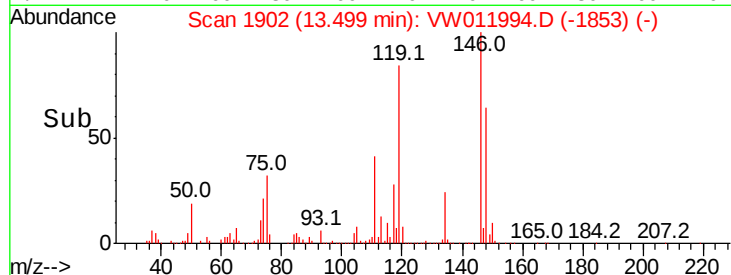
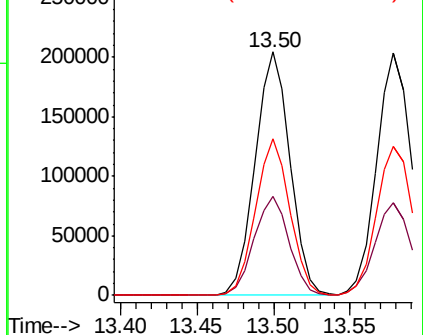
146 100

111 40.7 20.5 61.6

148 63.5 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 58.521 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW011994.D

Acq: 19 Aug 2019 16:23

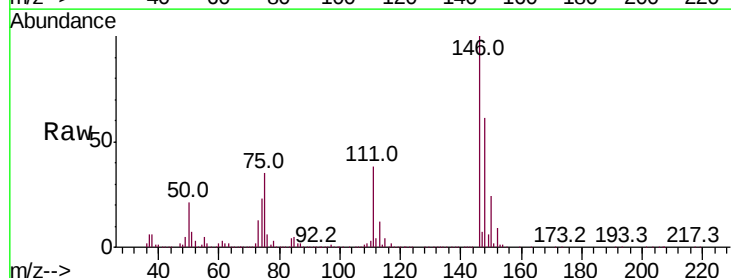
Tgt Ion:146 Resp: 320525

Ion Ratio Lower Upper

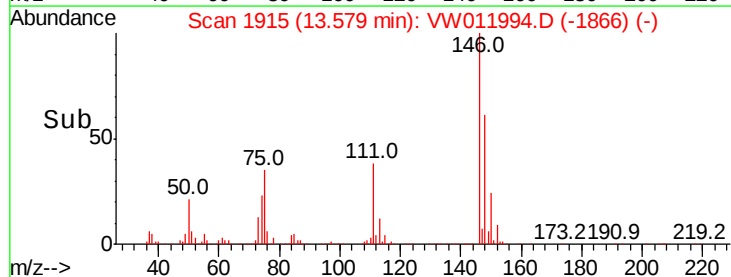
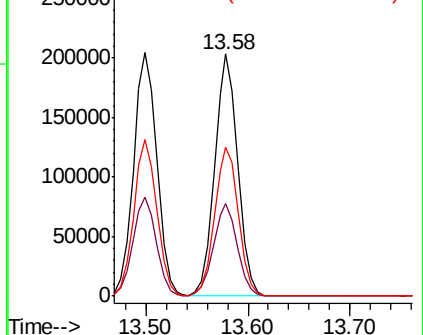
146 100

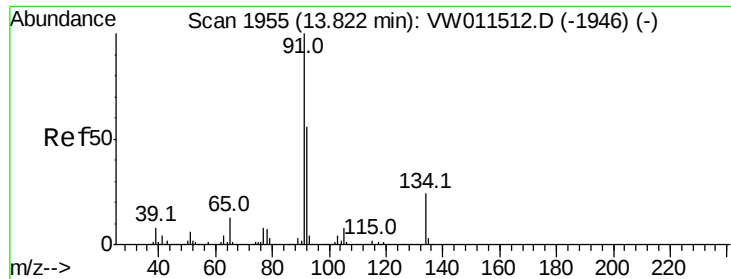
111 39.4 20.1 60.2

148 63.3 31.9 95.9



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





#89

n-Butylbenzene

Concen: 62.179 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW011994.D

Acq: 19 Aug 2019 16:23

Instrument :

MSVOA_W

ClientSampleId :

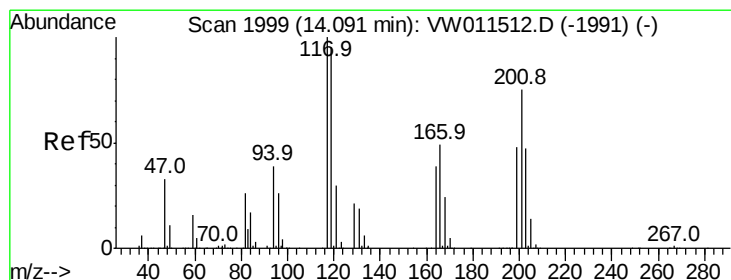
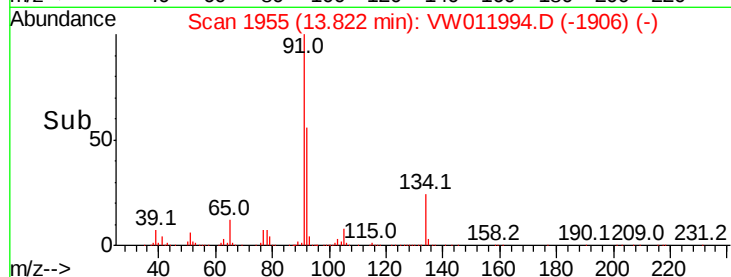
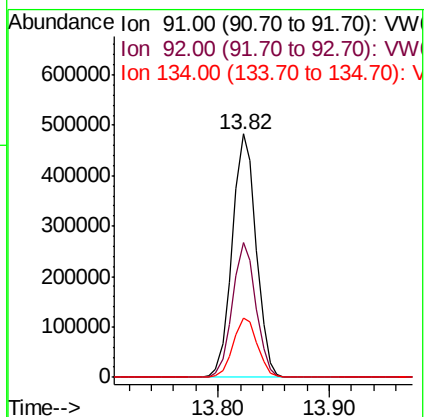
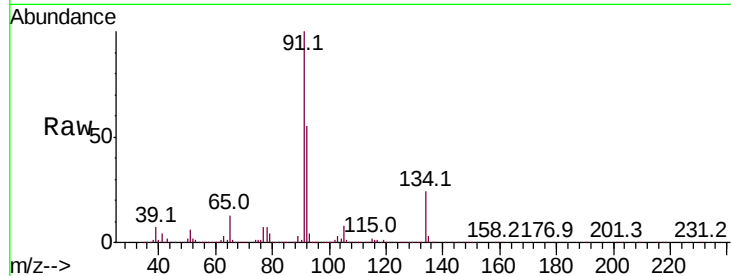
Tot Ion: 91 Resp: 715397

Ion	Ratio	Lower	Upper
91	100		
92	54.5	27.5	82.4
134	24.5	12.2	36.6

91 100

92 54.5 27.5 82.4

134 24.5 12.2 36.6



#90

Hexachloroethane

Concen: 61.097 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW011994.D

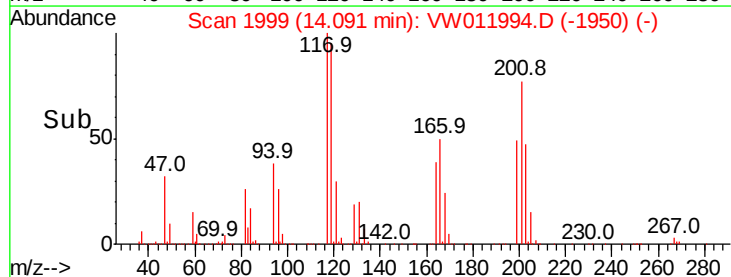
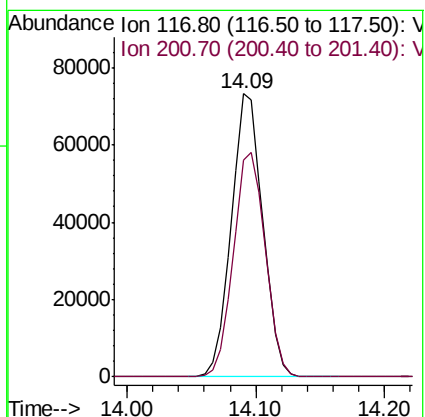
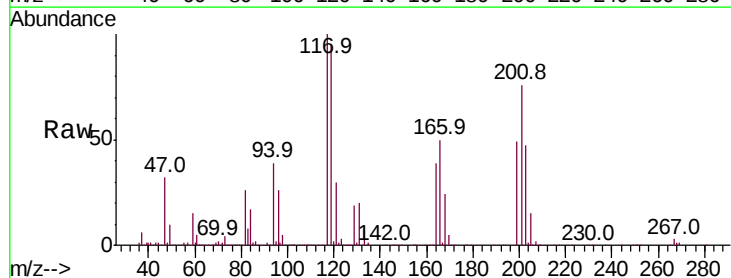
Acq: 19 Aug 2019 16:23

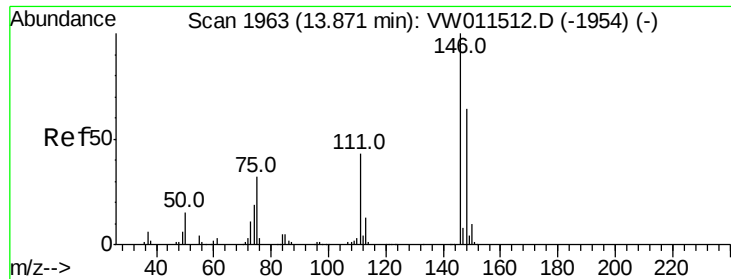
Tgt Ion: 117 Resp: 124558

Ion	Ratio	Lower	Upper
117	100		
201	80.2	39.4	118.2

117 100

201 80.2 39.4 118.2

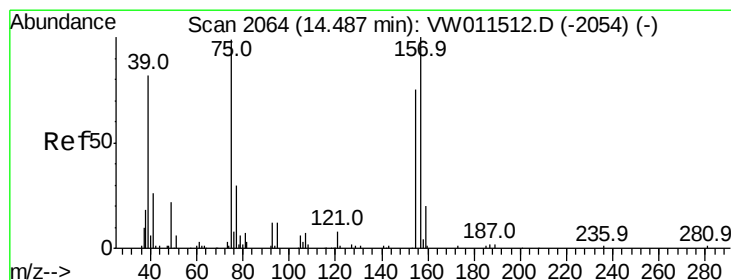
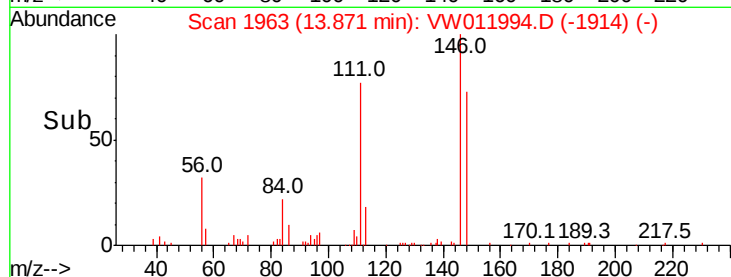
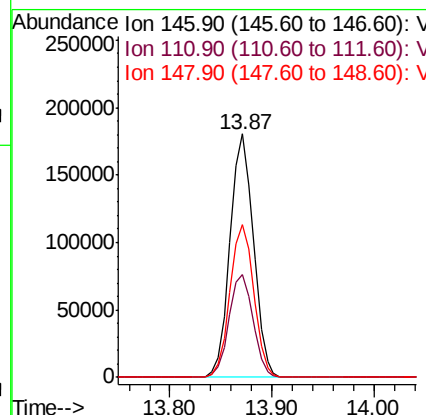
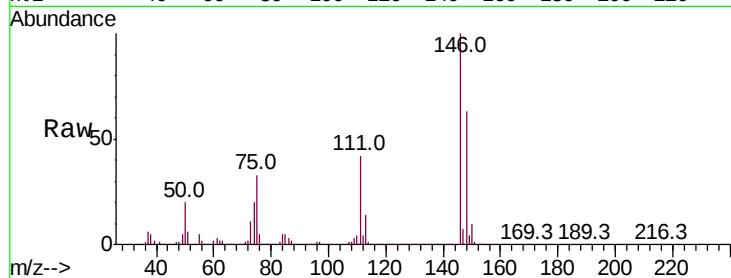




#91
 1,2-Dichlorobenzene
 Concen: 58.927 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW011994.D
 Acq: 19 Aug 2019 16:23

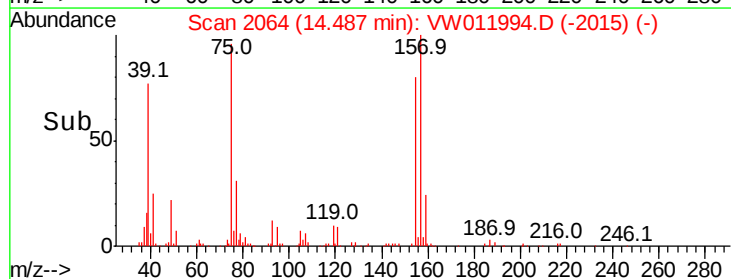
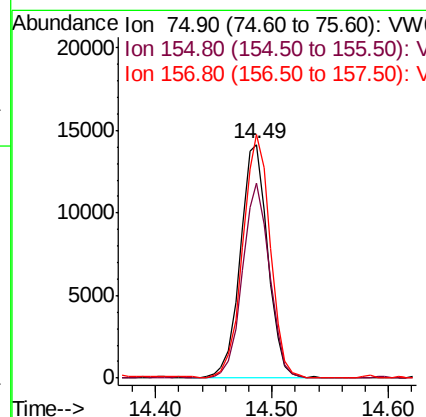
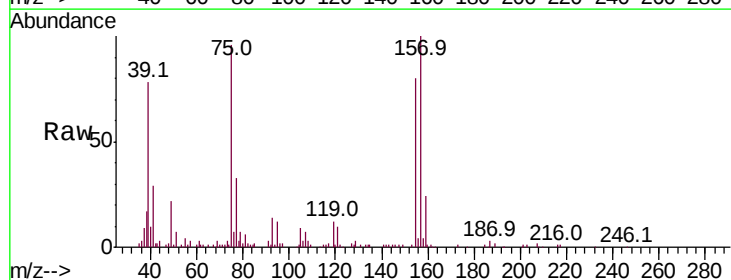
Instrument :
 MSVOA_W
 ClientSampleId :

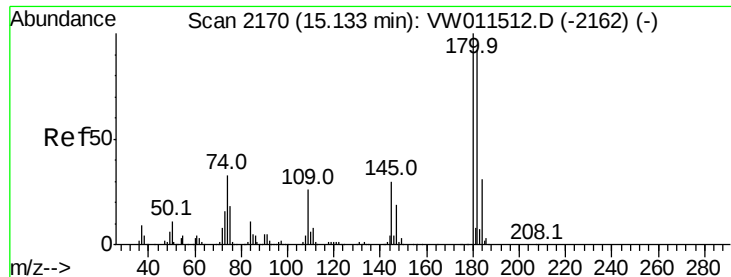
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.6	65.0
148	63.8	32.0	96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.323 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW011994.D
 Acq: 19 Aug 2019 16:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.2	38.2	114.6
157	104.1	48.9	146.7

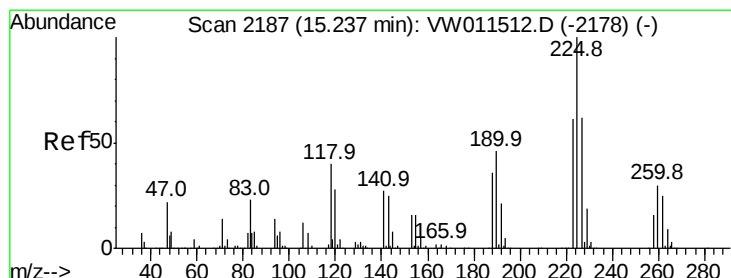
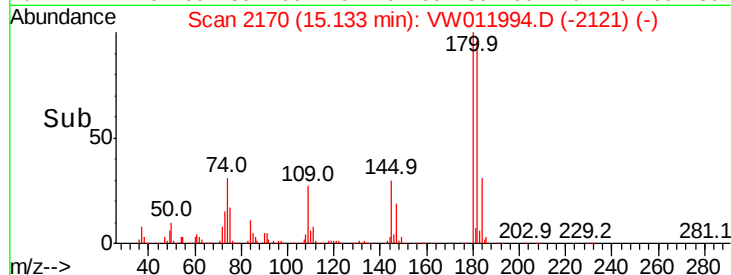
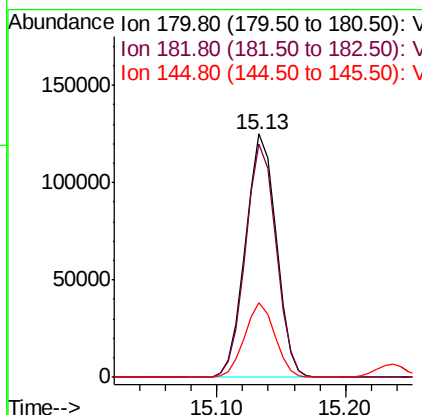
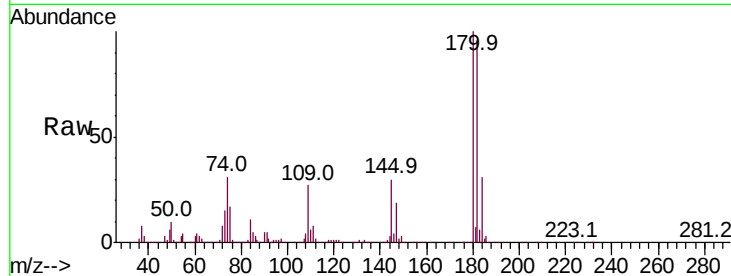




#93
 1,2,4-Trichlorobenzene
 Concen: 60.137 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW011994.D
 Acq: 19 Aug 2019 16:23

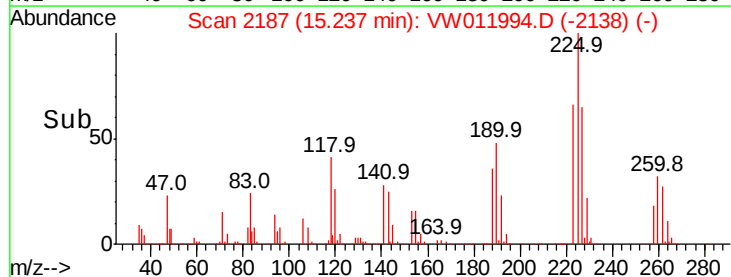
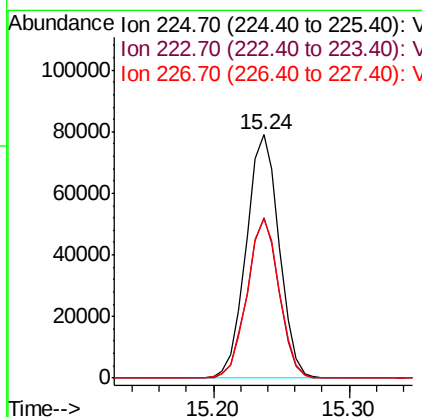
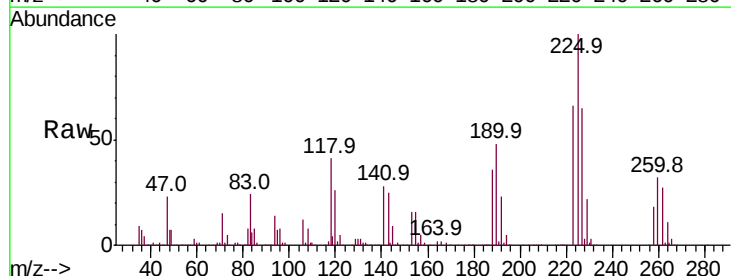
Instrument :
 MSVOA_W
 ClientSampleId :

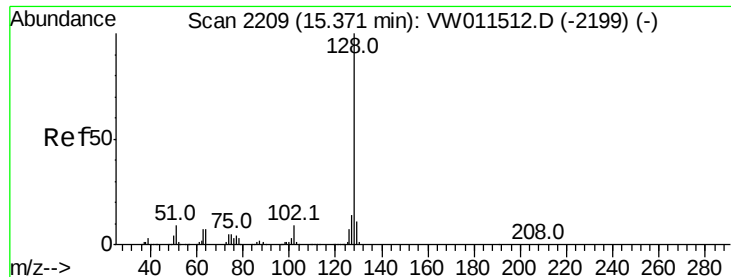
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.4	142.2
145	30.3	15.4	46.1



#94
 Hexachlorobutadiene
 Concen: 62.471 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW011994.D
 Acq: 19 Aug 2019 16:23

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.6	30.8	92.3
227	64.0	31.6	94.7

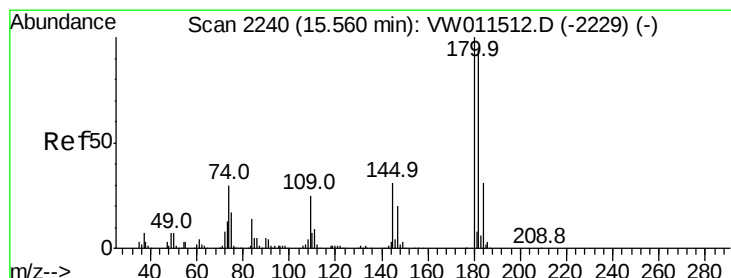
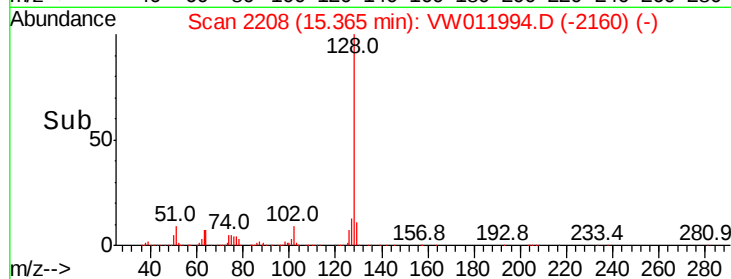
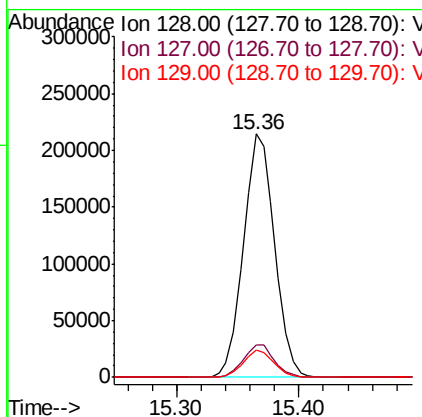
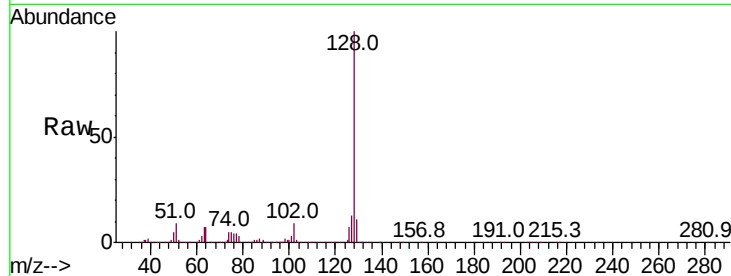




#95
Naphthalene
Concen: 56.111 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW011994.D
Acq: 19 Aug 2019 16:23

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	16.0
129	11.0	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 60.084 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW011994.D
Acq: 19 Aug 2019 16:23

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.9	47.4	142.2
145	32.3	15.9	47.7

