

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081019\
 Data File : VW011782.D
 Acq On : 08 Aug 2019 21:37
 Operator : SY/VA
 Sample : VW0810SBS01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0810SBS01

Quant Time: Aug 09 05:36:25 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	218009	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	363907	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	323512	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	156958	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	140331	56.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.12%	
35) Dibromofluoromethane	7.88	113	109910	53.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.68%	
50) Toluene-d8	10.32	98	448776	53.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.38%	
62) 4-Bromofluorobenzene	12.62	95	159819	53.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	31248	25.719	ug/l	96
3) Chloromethane	2.21	50	50056	23.759	ug/l	100
4) Vinyl Chloride	2.35	62	58950	23.241	ug/l	99
5) Bromomethane	2.73	94	29639	21.111	ug/l	99
6) Chloroethane	2.91	64	32927	22.726	ug/l	99
7) Trichlorofluoromethane	3.25	101	24523	21.633	ug/l	94
8) Diethyl Ether	3.68	74	30526	23.751	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	49384	22.965	ug/l	99
10) Methyl Iodide	4.27	142	69512	22.874	ug/l	99
11) Tert butyl alcohol	5.17	59	21487	106.037	ug/l	98
12) 1,1-Dichloroethene	4.04	96	50743	22.349	ug/l	97
13) Acrolein	3.89	56	14481	80.619	ug/l	94
14) Allyl chloride	4.67	41	109688	22.714	ug/l	99
15) Acrylonitrile	5.36	53	76042	118.521	ug/l	98
16) Acetone	4.12	43	69848	87.715	ug/l	97
17) Carbon Disulfide	4.38	76	153640	21.621	ug/l	100
18) Methyl Acetate	4.67	43	45031	25.172	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	84992	23.589	ug/l	100
20) Methylene Chloride	4.92	84	64961	23.654	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	54562	22.290	ug/l	97
22) Diisopropyl ether	6.31	45	216578	23.788	ug/l	99
23) Vinyl Acetate	6.25	43	650438	113.695	ug/l	100
24) 1,1-Dichloroethane	6.21	63	112110	22.992	ug/l	99
25) 2-Butanone	7.17	43	106018	101.745	ug/l	97
26) 2,2-Dichloropropane	7.17	77	57562	19.195	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	62248	23.106	ug/l	98
28) Bromochloromethane	7.51	49	48008	22.181	ug/l #	100
29) Tetrahydrofuran	7.53	42	72062	120.988	ug/l	98
30) Chloroform	7.67	83	104037	23.127	ug/l	98
31) Cyclohexane	7.95	56	103440	22.100	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	79020	23.065	ug/l	99
36) 1,1-Dichloropropene	8.08	75	83003	21.935	ug/l	99
37) Ethyl Acetate	7.25	43	49864	22.905	ug/l	99
38) Carbon Tetrachloride	8.07	117	70667	21.815	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	92524	22.206	ug/l	99
40) Benzene	8.32	78	238571	22.509	ug/l	99
41) Methacrylonitrile	7.48	41	29471	22.646	ug/l	95
42) 1,2-Dichloroethane	8.40	62	76205	22.964	ug/l	100
43) Isopropyl Acetate	8.42	43	90612	22.632	ug/l	99
44) Trichloroethene	9.09	130	57190	22.450	ug/l	99
45) 1,2-Dichloropropane	9.37	63	63872	22.522	ug/l	100
46) Dibromomethane	9.46	93	29437	22.742	ug/l	99
47) Bromodichloromethane	9.65	83	76629	22.569	ug/l	100
48) Methyl methacrylate	9.43	41	43630	22.686	ug/l	100
49) 1,4-Dioxane	9.45	88	9266	494.399	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	239885	115.190	ug/l	100
52) Toluene	10.38	92	144349	22.552	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	77897	21.962	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	94590	22.430	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	41253	22.462	ug/l	98
56) Ethyl methacrylate	10.65	69	61681	22.952	ug/l	99
57) 1,3-Dichloropropane	10.93	76	80484	23.164	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	153098	125.468	ug/l	99
59) 2-Hexanone	10.97	43	163253	111.027	ug/l	99
60) Dibromochloromethane	11.13	129	45387	22.264	ug/l	100
61) 1,2-Dibromoethane	11.24	107	38901	22.383	ug/l	99
64) Tetrachloroethene	10.86	164	46682	22.162	ug/l	99
65) Chlorobenzene	11.66	112	144140	22.161	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	49230	21.730	ug/l	98
67) Ethyl Benzene	11.73	91	273412	22.072	ug/l	98
68) m/p-Xylenes	11.84	106	198306	44.020	ug/l	99
69) o-Xylene	12.16	106	92881	22.187	ug/l	99
70) Styrene	12.18	104	161763	22.349	ug/l	100
71) Bromoform	12.35	173	25819	22.352	ug/l #	99
73) Isopropylbenzene	12.46	105	259579	22.168	ug/l	99
74) N-amyl acetate	12.27	43	84231	22.977	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	50287	22.831	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	66189	39.854	ug/l #	100
77) Bromobenzene	12.74	156	58192	22.484	ug/l	99
78) n-propylbenzene	12.80	91	313412	21.993	ug/l	100
79) 2-Chlorotoluene	12.89	91	182803	22.267	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	220576	22.472	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	15562	21.595	ug/l	98
82) 4-Chlorotoluene	12.99	91	192230	22.317	ug/l	100
83) tert-Butylbenzene	13.21	119	184044	22.422	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	223917	22.646	ug/l	99
85) sec-Butylbenzene	13.38	105	262049	22.375	ug/l	100
86) p-Isopropyltoluene	13.50	119	233810	22.003	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	111995	22.069	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	110340	21.857	ug/l	98
89) n-Butylbenzene	13.82	91	230567	21.742	ug/l	99
90) Hexachloroethane	14.09	117	40997	21.818	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	101719	22.663	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8458	22.519	ug/l	99

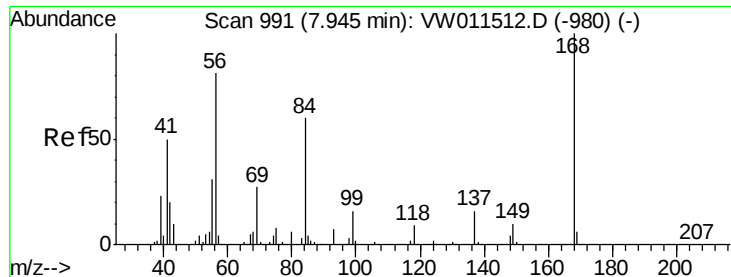
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081019\
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Quant Title : SW846 8260
QLast Update : Sat Jul 27 00:23:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	69754	22.051	ug/l	99
94) Hexachlorobutadiene	15.24	225	44154	22.383	ug/l	97
95) Naphthalene	15.36	128	121189	20.816	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	60193	21.708	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW011782.D

Acq: 08 Aug 2019 21:37

Instrument :

MSVOA_W

ClientSampleId :

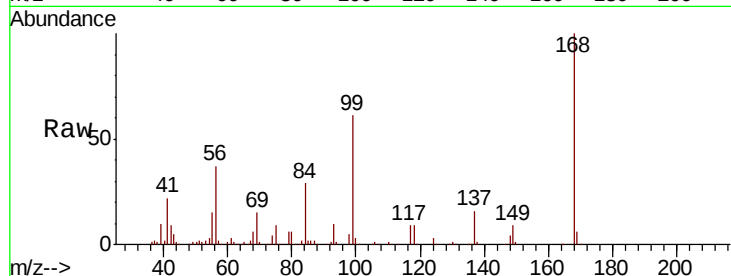
VW0810SBS01

Tgt Ion:168 Resp: 218009

Ion Ratio Lower Upper

168 100

99 60.7 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

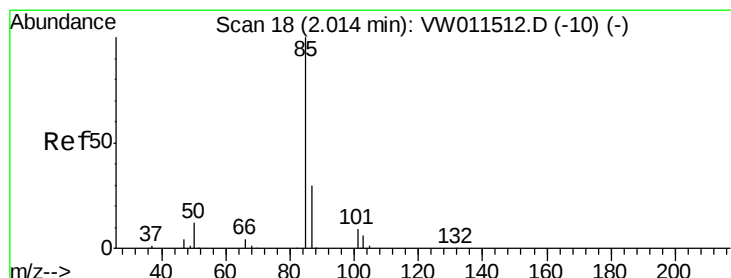
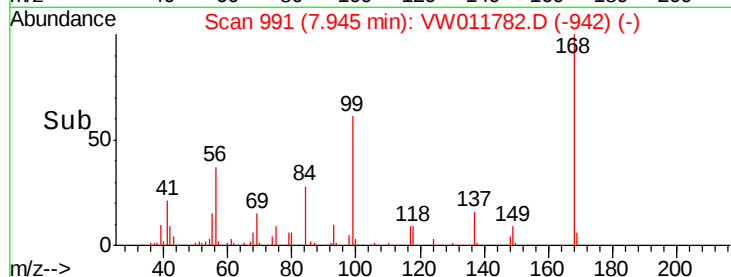
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 25.719 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW011782.D

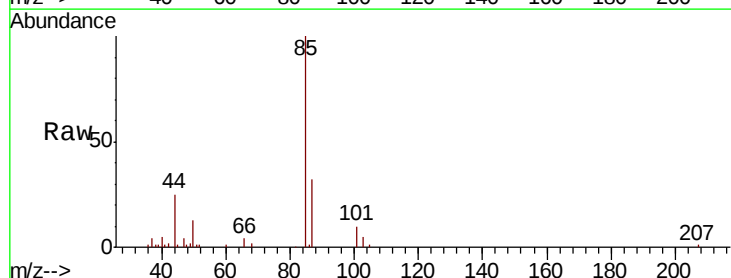
Acq: 08 Aug 2019 21:37

Tgt Ion: 85 Resp: 31248

Ion Ratio Lower Upper

85 100

87 32.5 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

12000

10000

8000

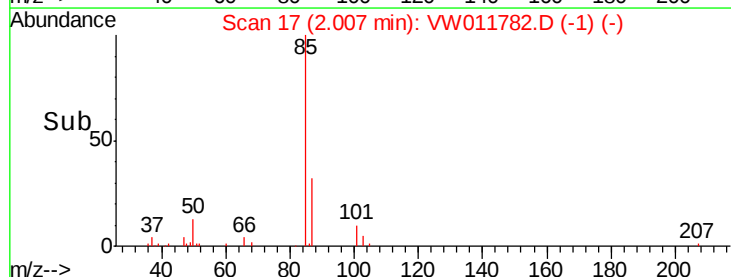
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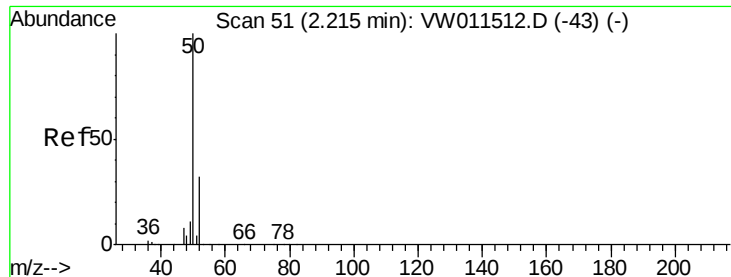
4000

2000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 23.759 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW011782.D

Acq: 08 Aug 2019 21:37

Instrument :

MSVOA_W

ClientSampleId :

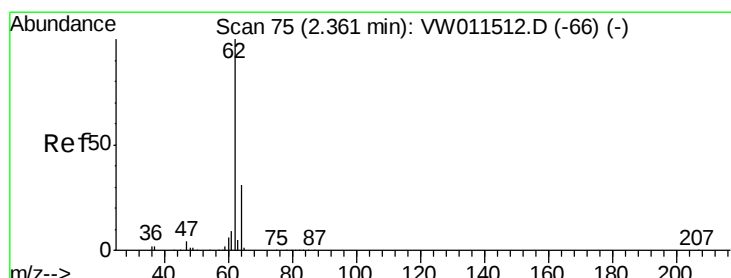
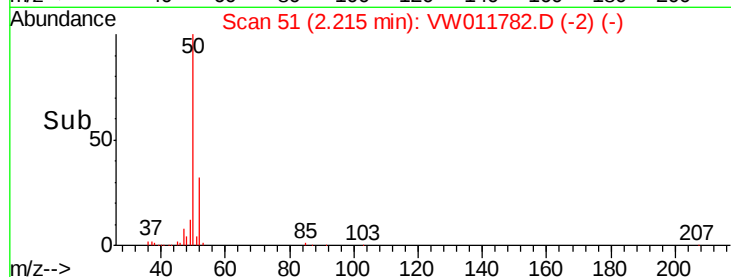
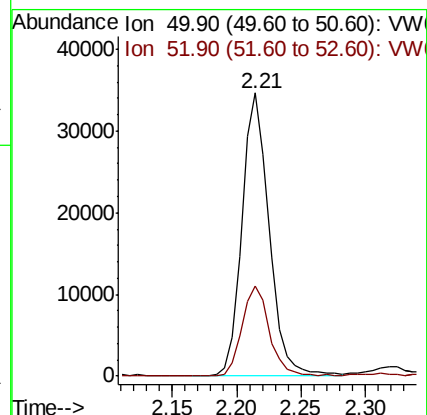
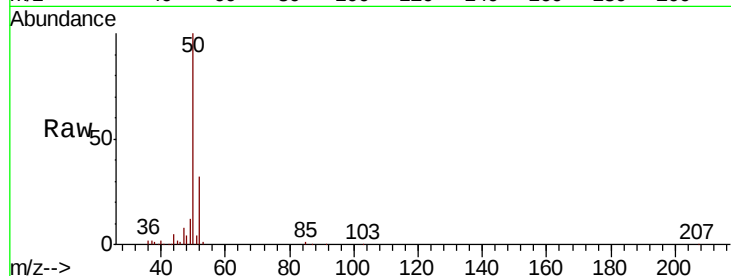
VW0810SBS01

Tgt Ion: 50 Resp: 50056

Ion Ratio Lower Upper

50 100

52 32.0 25.4 38.2



#4

Vinyl Chloride

Concen: 23.241 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011782.D

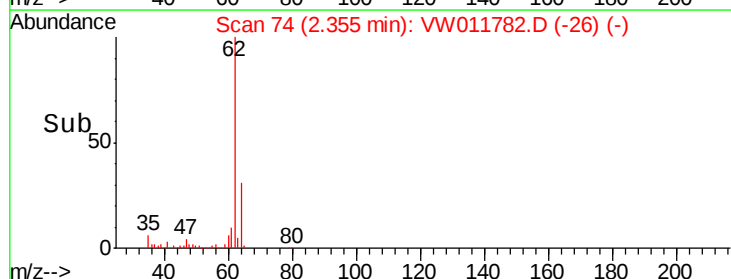
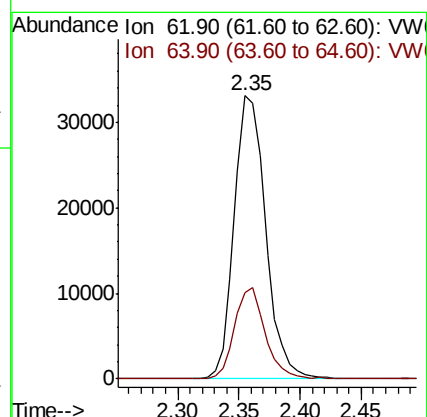
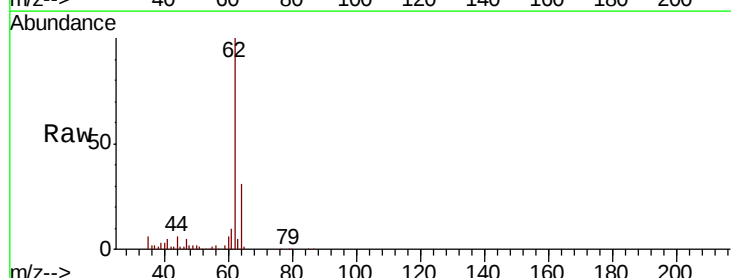
Acq: 08 Aug 2019 21:37

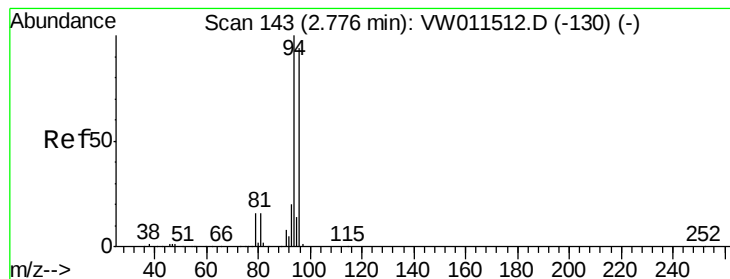
Tgt Ion: 62 Resp: 58950

Ion Ratio Lower Upper

62 100

64 30.5 25.0 37.4





#5

Bromomethane

Concen: 21.111 ug/l

RT: 2.73 min Scan# 136

Delta R.T. -0.04 min

Lab File: VW011782.D

Acq: 08 Aug 2019 21:37

Instrument :

MSVOA_W

ClientSampleId :

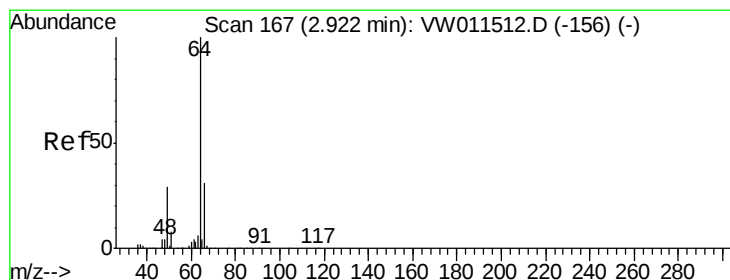
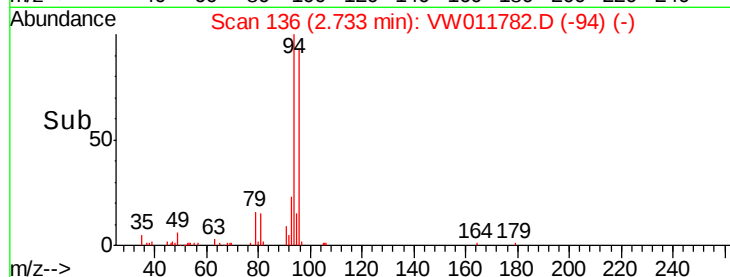
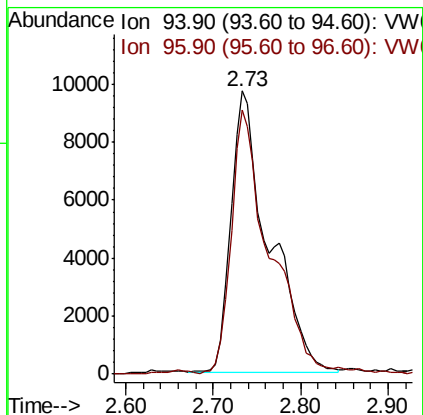
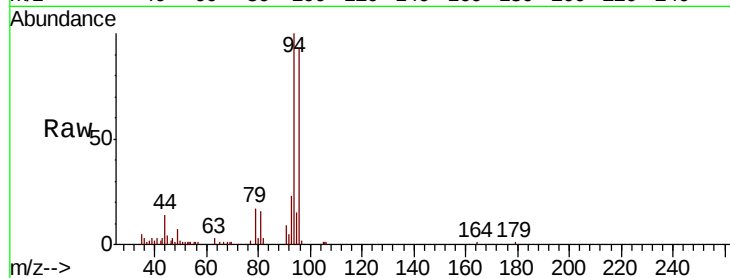
VW0810SBS01

Tgt Ion: 94 Resp: 29639

Ion Ratio Lower Upper

94 100

96 92.6 75.0 112.6



#6

Chloroethane

Concen: 22.726 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW011782.D

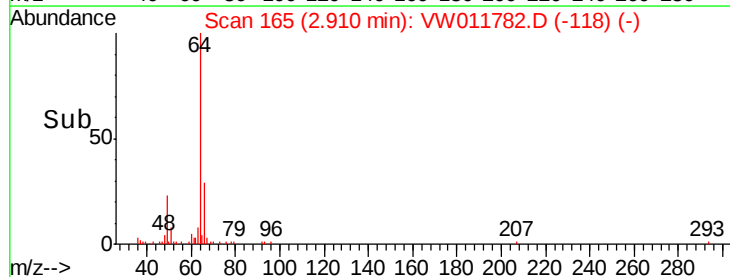
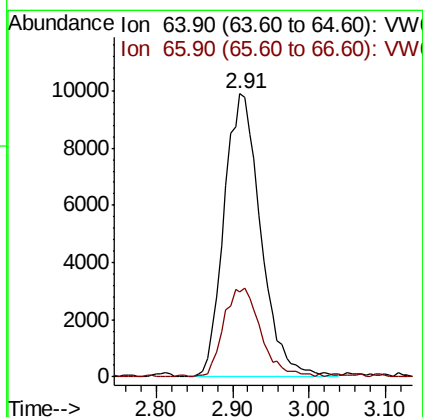
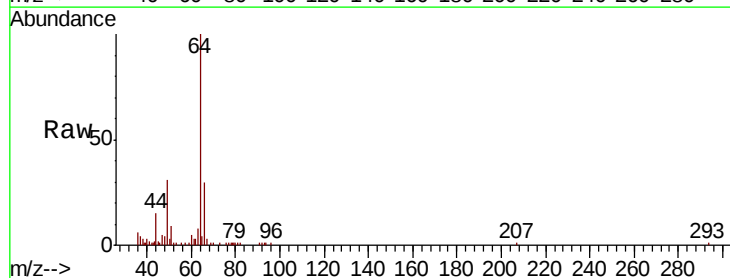
Acq: 08 Aug 2019 21:37

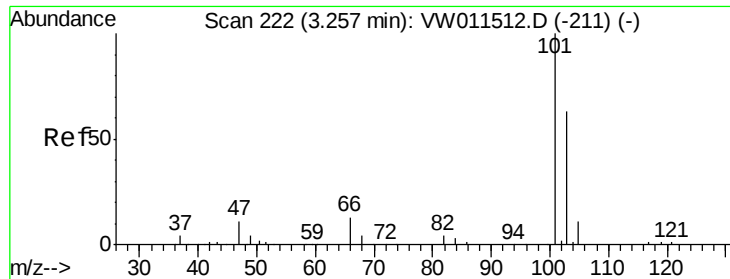
Tgt Ion: 64 Resp: 32927

Ion Ratio Lower Upper

64 100

66 30.2 24.6 36.8



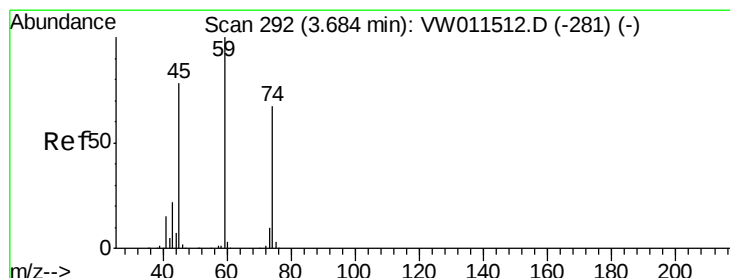
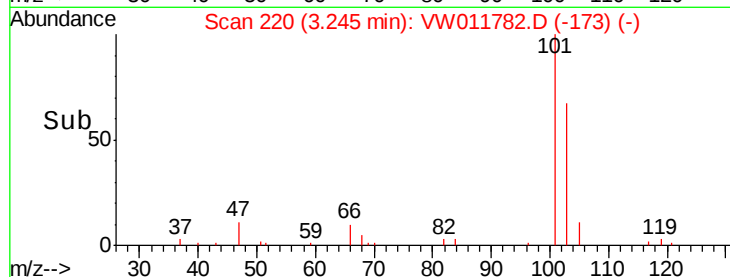
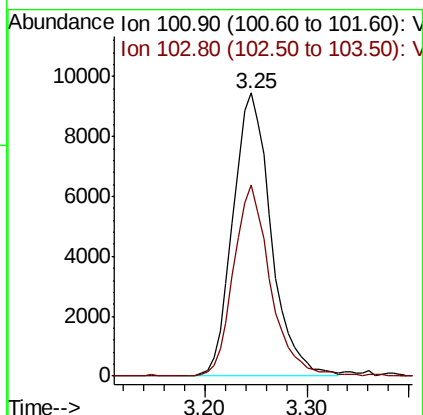
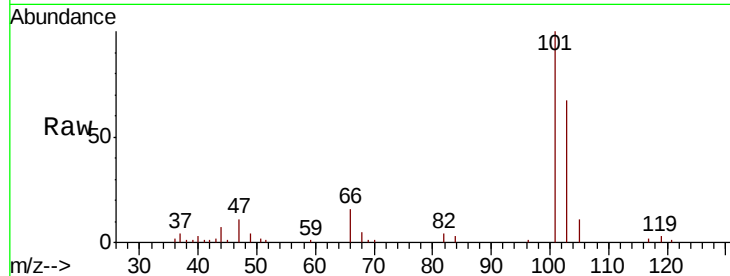


#7

Trichlorofluoromethane
 Concen: 21.633 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW011782.D
 Acq: 08 Aug 2019 21:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0810SBS01

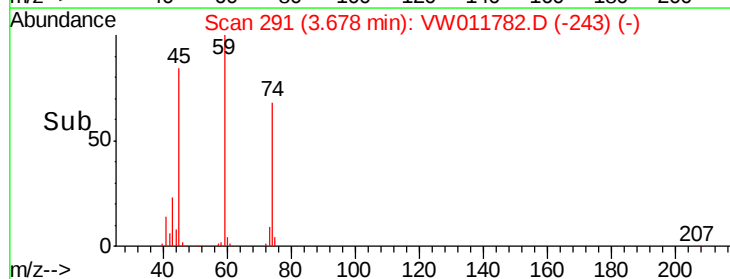
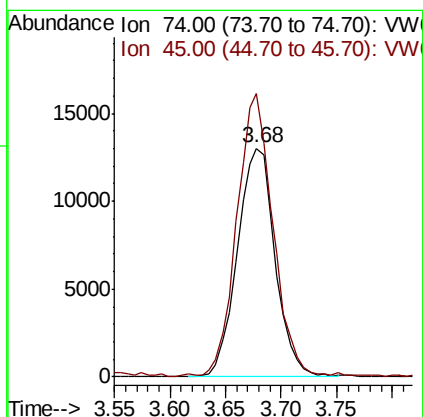
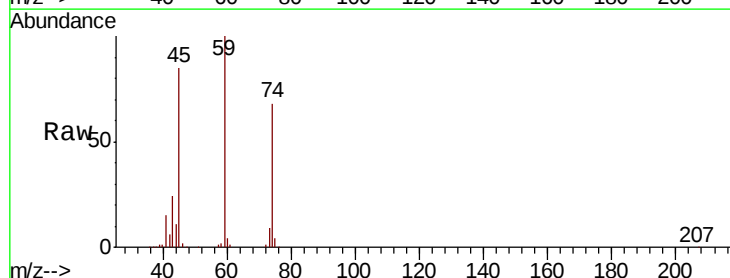
Tgt Ion: 101 Resp: 24523
 Ion Ratio Lower Upper
 101 100
 103 67.4 50.2 75.4

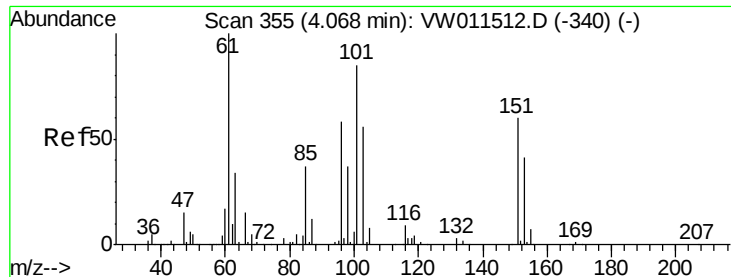


#8

Diethyl Ether
 Concen: 23.751 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW011782.D
 Acq: 08 Aug 2019 21:37

Tgt Ion: 74 Resp: 30526
 Ion Ratio Lower Upper
 74 100
 45 119.5 59.6 178.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.965 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW011782.D

Acq: 08 Aug 2019 21:37

Instrument :

MSVOA_W

ClientSampleId :

VW0810SBS01

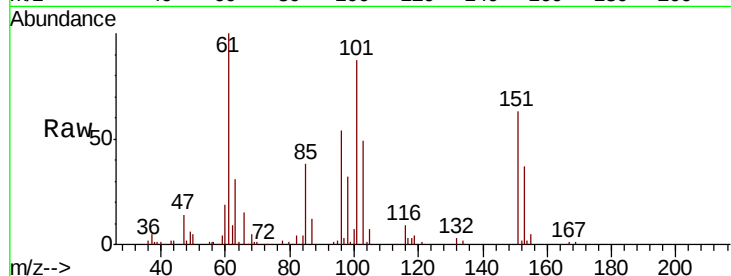
Tgt Ion:101 Resp: 49384

Ion Ratio Lower Upper

101 100

85 44.7 36.6 54.8

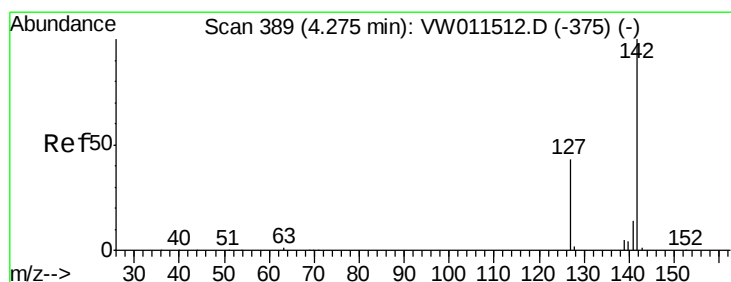
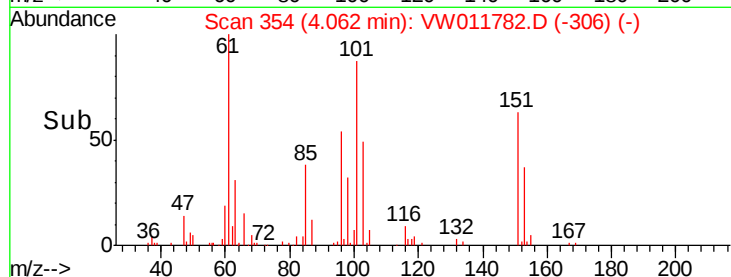
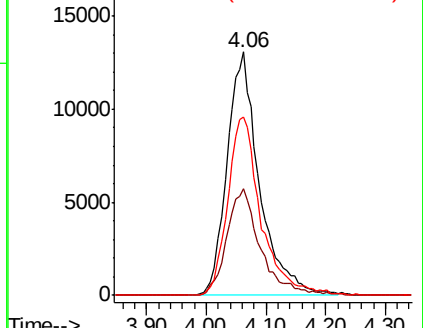
151 75.0 60.2 90.2



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: 22.874 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.01 min

Lab File: VW011782.D

Acq: 08 Aug 2019 21:37

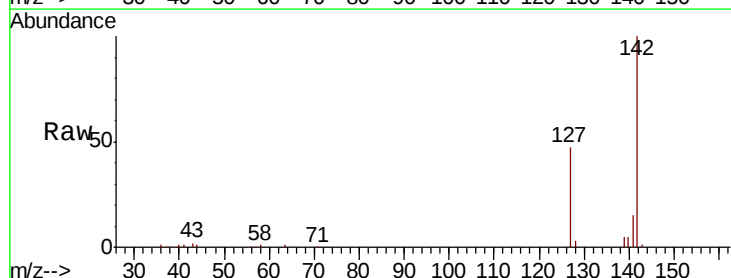
Tgt Ion:142 Resp: 69512

Ion Ratio Lower Upper

142 100

127 44.7 35.0 52.6

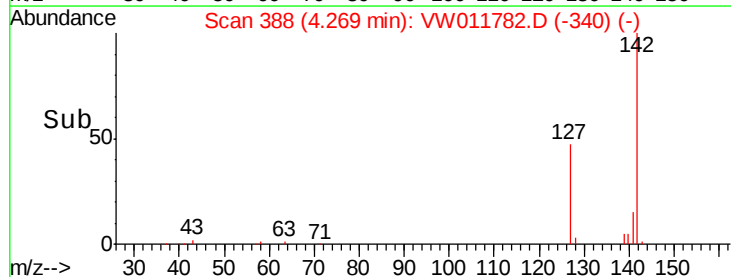
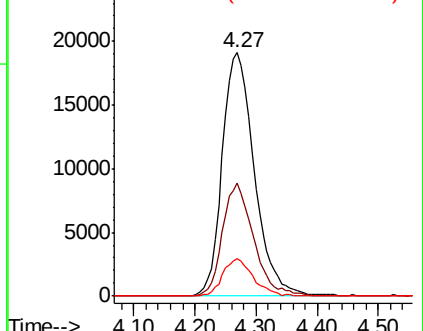
141 14.4 11.9 17.9

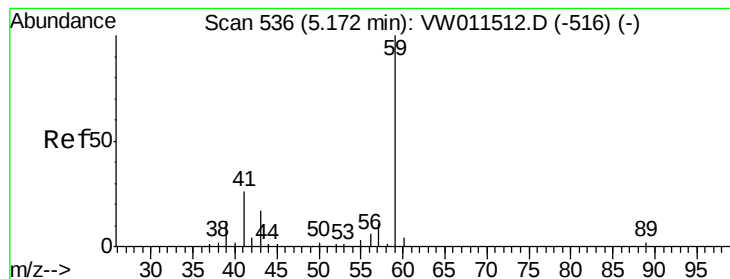


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



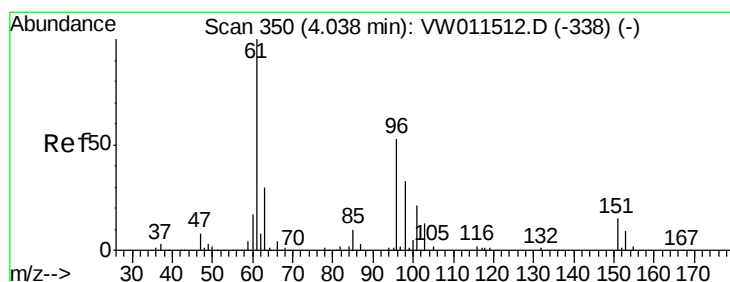
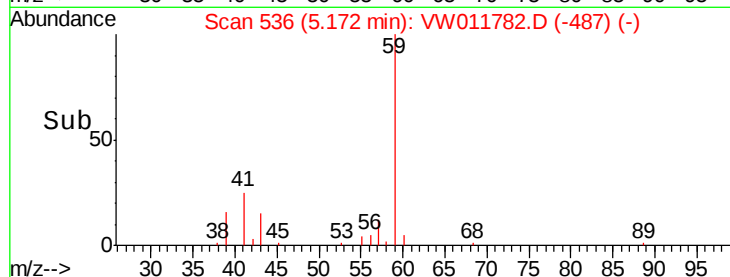
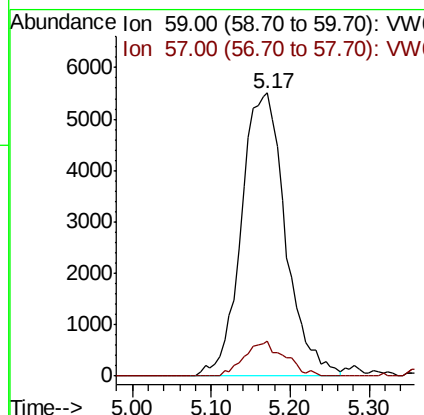
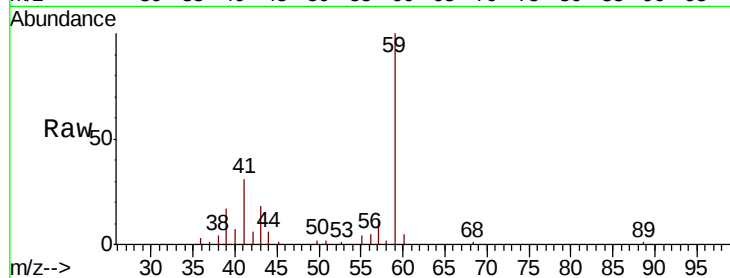


#11

Tert butyl alcohol
 Concen: 106.037 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. 0.00 min
 Lab File: VW011782.D
 Acq: 08 Aug 2019 21:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0810SBS01

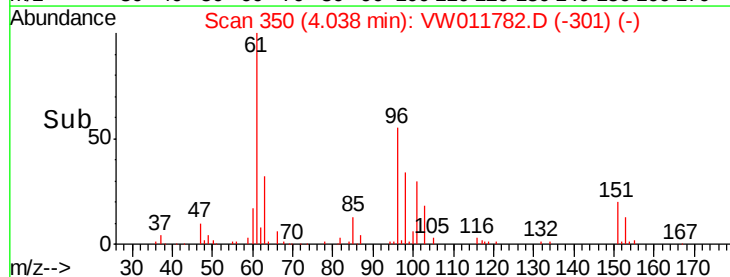
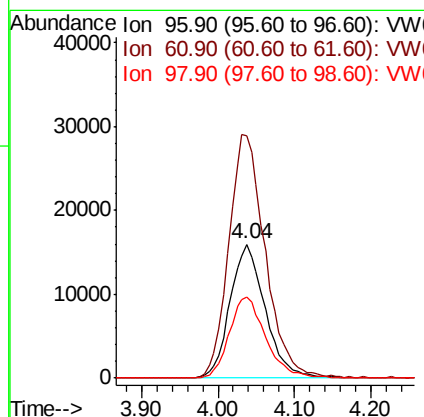
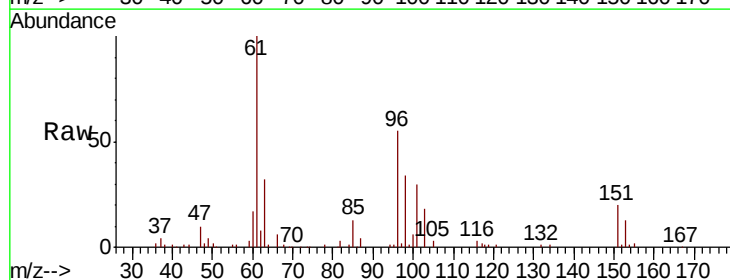
Tgt Ion: 59 Resp: 21487
 Ion Ratio Lower Upper
 59 100
 57 11.2 8.5 12.7

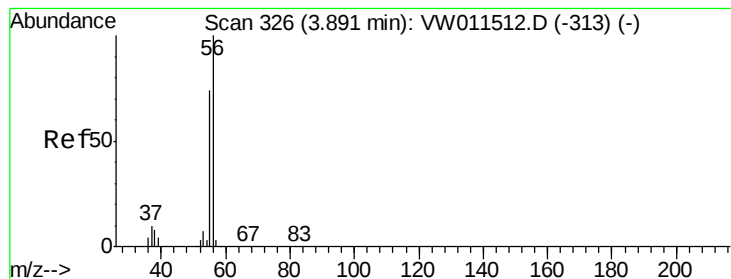


#12

1,1-Dichloroethene
 Concen: 22.349 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW011782.D
 Acq: 08 Aug 2019 21:37

Tgt Ion: 96 Resp: 50743
 Ion Ratio Lower Upper
 96 100
 61 181.1 149.9 224.9
 98 61.0 49.1 73.7





#13

Acrolein

Concen: 80.619 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW011782.D

Acq: 08 Aug 2019 21:37

Instrument :

MSVOA_W

ClientSampleId :

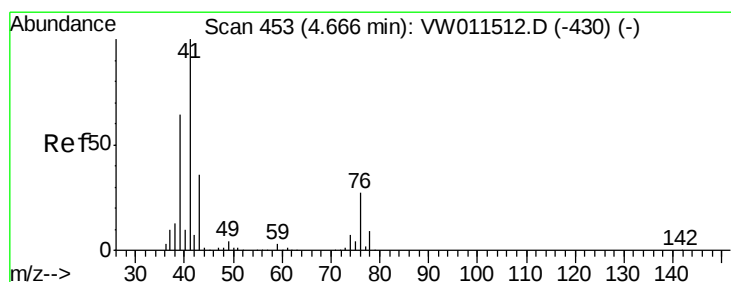
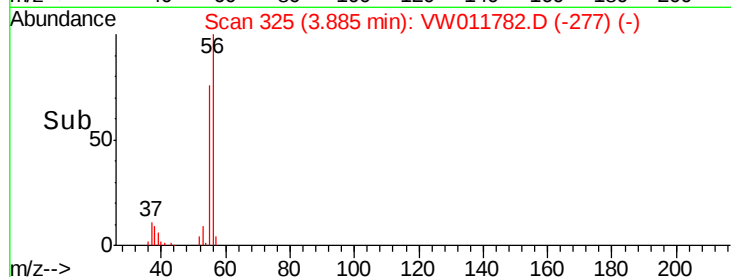
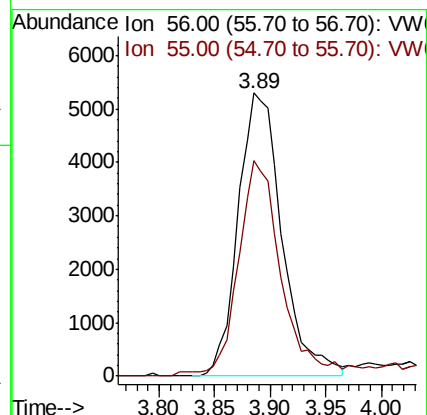
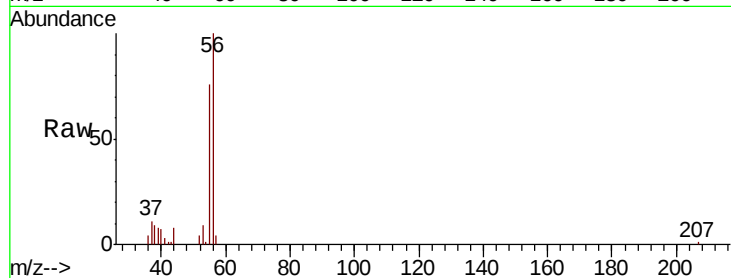
VW0810SBS01

Tgt Ion: 56 Resp: 14481

Ion Ratio Lower Upper

56 100

55 75.3 56.0 84.0



#14

Allyl chloride

Concen: 22.714 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW011782.D

Acq: 08 Aug 2019 21:37

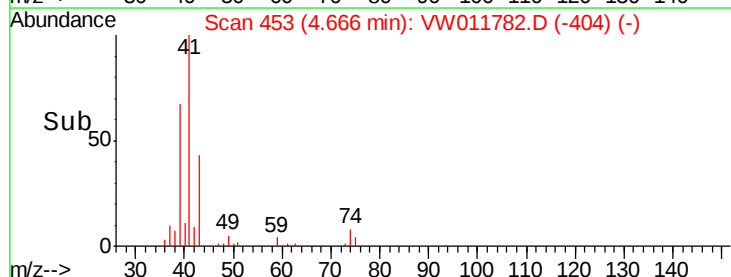
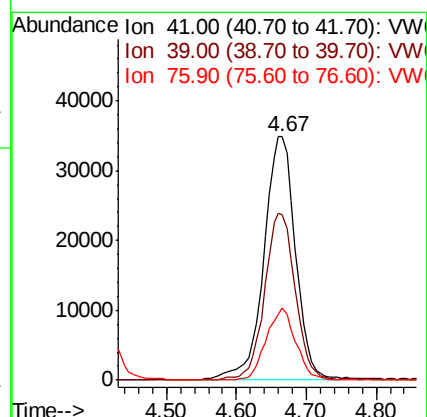
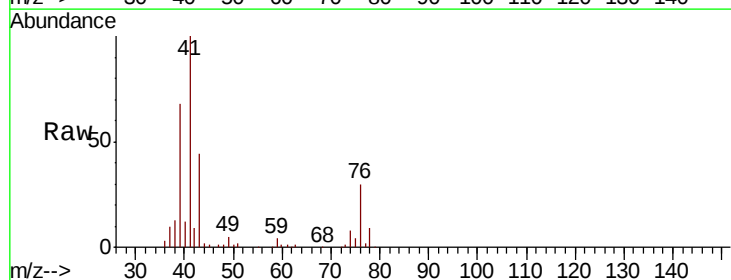
Tgt Ion: 41 Resp: 109688

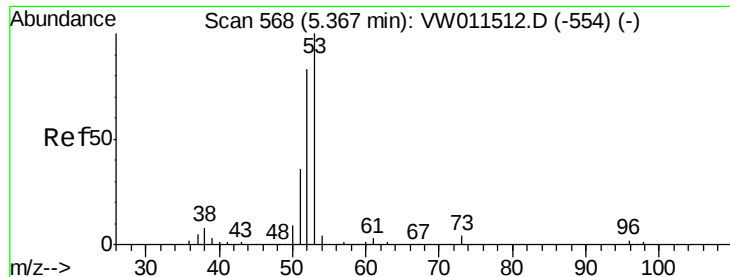
Ion Ratio Lower Upper

41 100

39 66.4 52.6 78.8

76 27.4 22.0 33.0





#15

Acrylonitrile

Concen: 118.521 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW011782.D

Acq: 08 Aug 2019 21:37

Instrument :

MSVOA_W

ClientSampleId :

VW0810SBS01

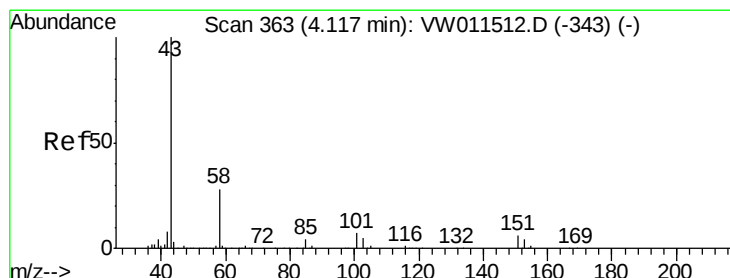
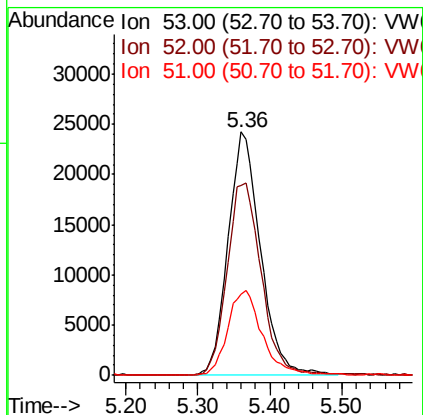
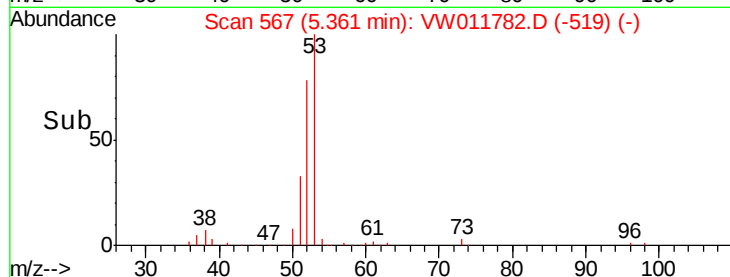
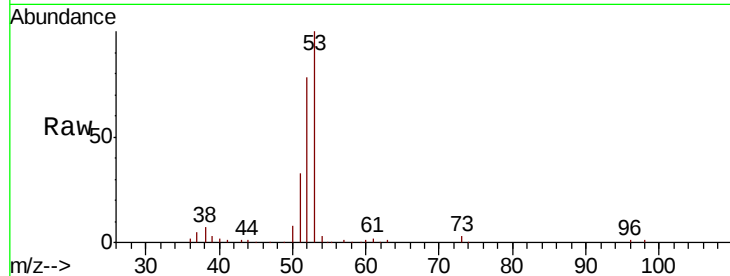
Tgt Ion: 53 Resp: 76042

Ion Ratio Lower Upper

53 100

52 82.1 67.2 100.8

51 36.7 30.0 45.0



#16

Acetone

Concen: 87.715 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW011782.D

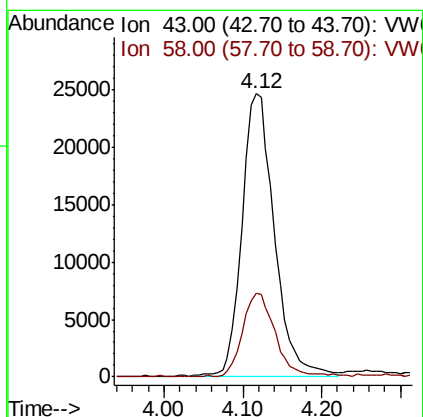
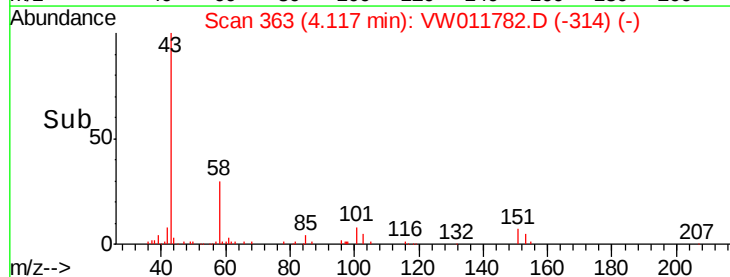
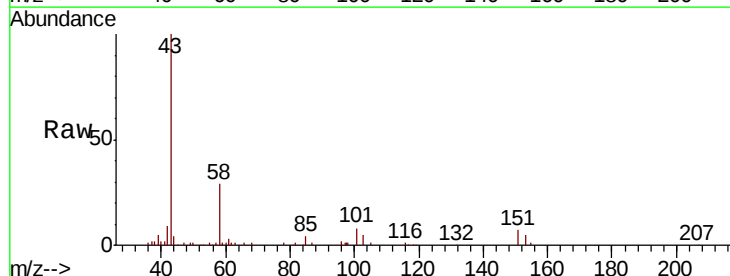
Acq: 08 Aug 2019 21:37

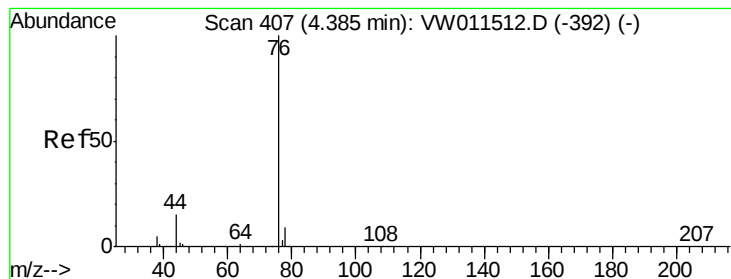
Tgt Ion: 43 Resp: 69848

Ion Ratio Lower Upper

43 100

58 29.5 22.3 33.5





#17

Carbon Disulfide

Concen: 21.621 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW011782.D

Acq: 08 Aug 2019 21:37

Instrument :

MSVOA_W

ClientSampleId :

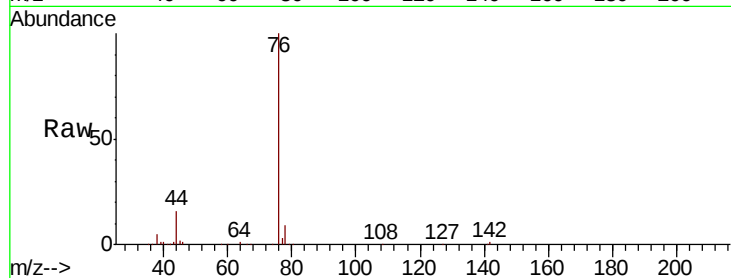
VW0810SBS01

Tgt Ion: 76 Resp: 153640

Ion Ratio Lower Upper

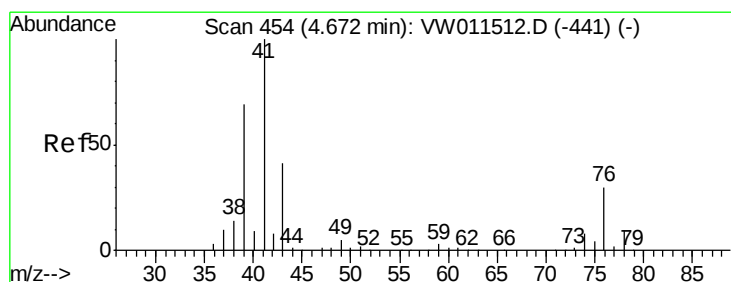
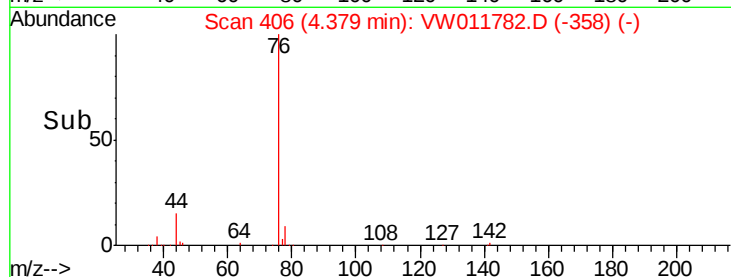
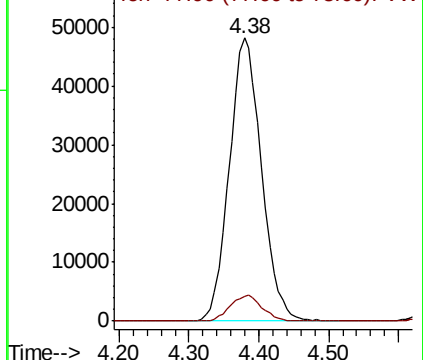
76 100

78 8.9 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 25.172 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW011782.D

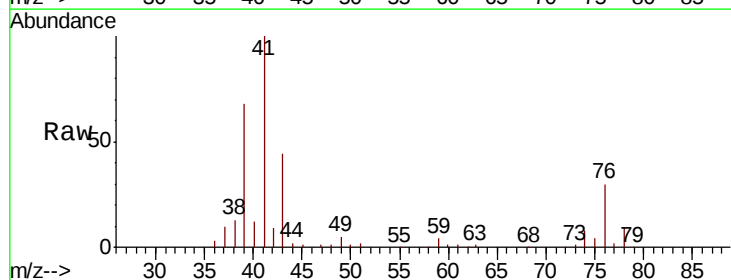
Acq: 08 Aug 2019 21:37

Tgt Ion: 43 Resp: 45031

Ion Ratio Lower Upper

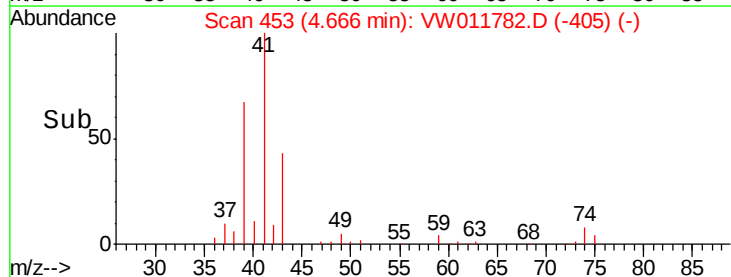
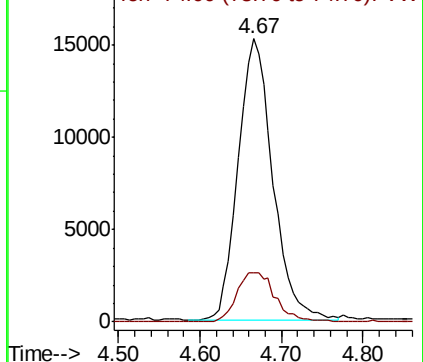
43 100

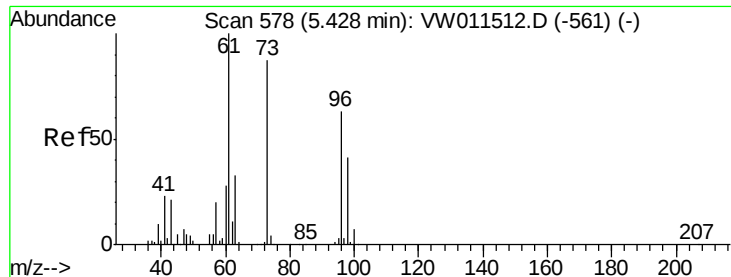
74 19.5 15.9 23.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

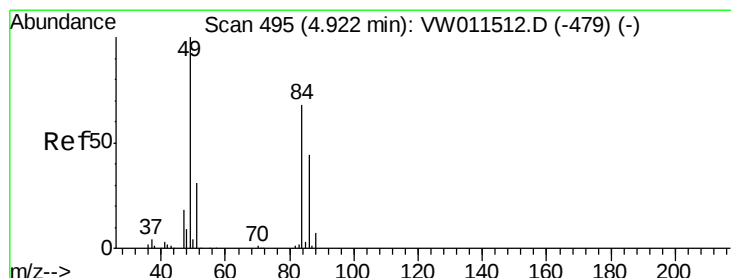
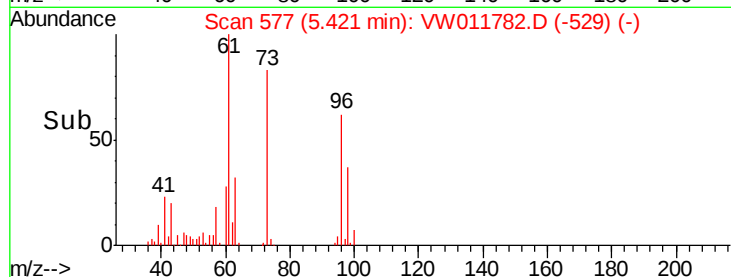
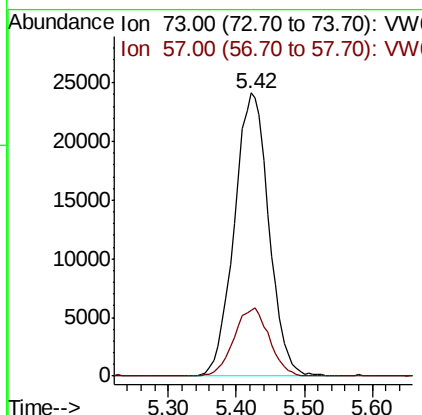
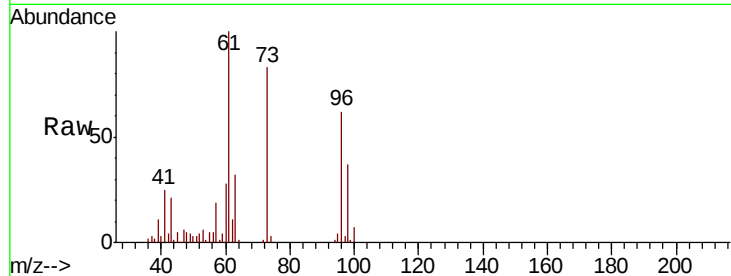




#19
Methyl tert-butyl Ether
Concen: 23.589 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW011782.D
Acq: 08 Aug 2019 21:37

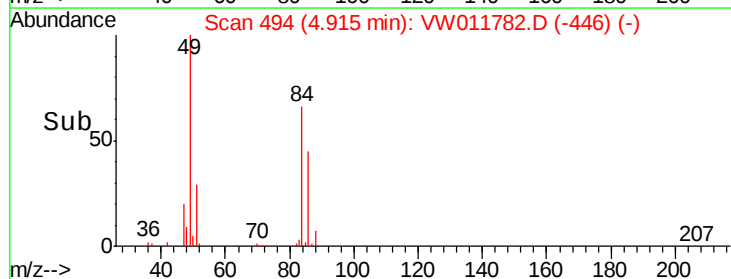
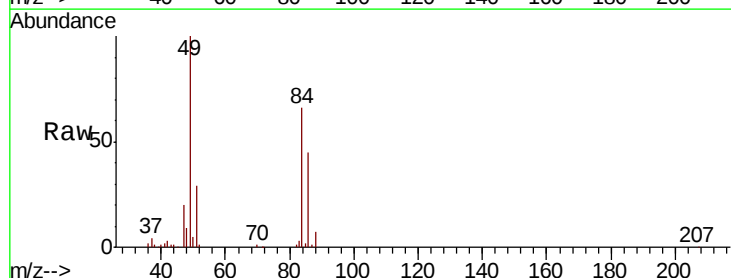
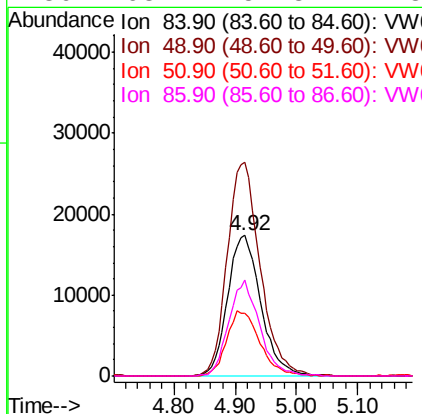
Instrument :
MSVOA_W
ClientSampleId :
VW0810SBS01

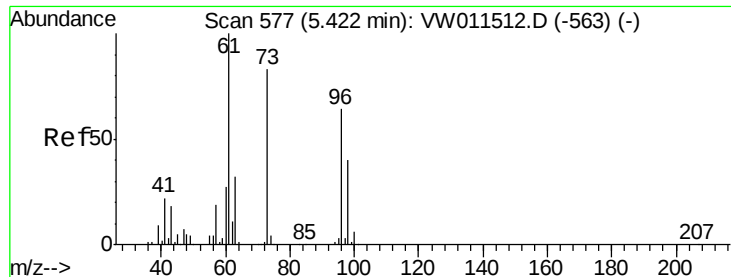
Tgt Ion: 73 Resp: 84992
Ion Ratio Lower Upper
73 100
57 23.1 18.4 27.6



#20
Methylene Chloride
Concen: 23.654 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW011782.D
Acq: 08 Aug 2019 21:37

Tgt Ion: 84 Resp: 64961
Ion Ratio Lower Upper
84 100
49 152.0 117.8 176.6
51 44.6 37.0 55.4
86 68.4 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 22.290 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW011782.D

Acq: 08 Aug 2019 21:37

Instrument :

MSVOA_W

ClientSampleId :

VW0810SBS01

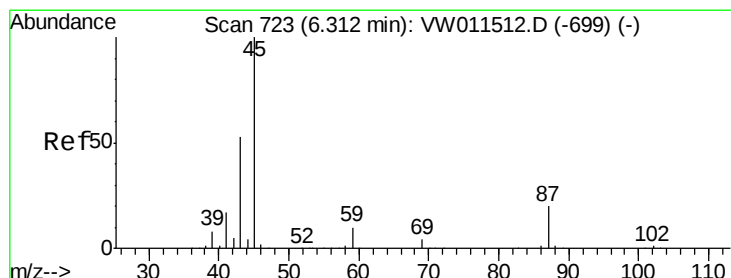
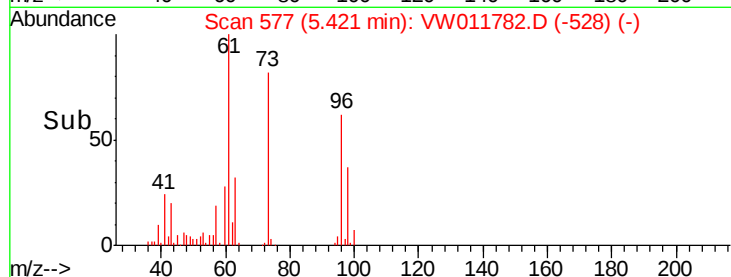
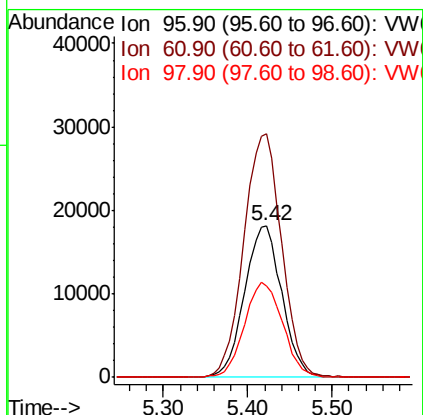
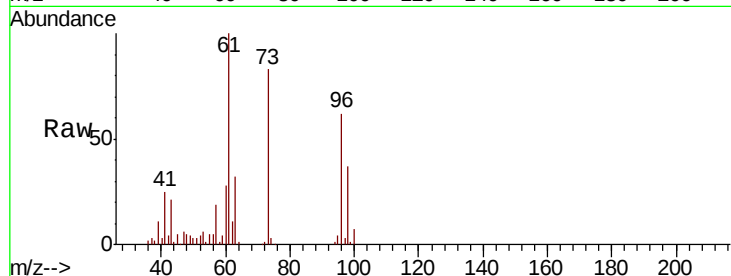
Tgt Ion: 96 Resp: 54562

Ion Ratio Lower Upper

96 100

61 160.3 125.7 188.5

98 60.0 50.3 75.5



#22

Diisopropyl ether

Concen: 23.788 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW011782.D

Acq: 08 Aug 2019 21:37

Tgt Ion: 45 Resp: 216578

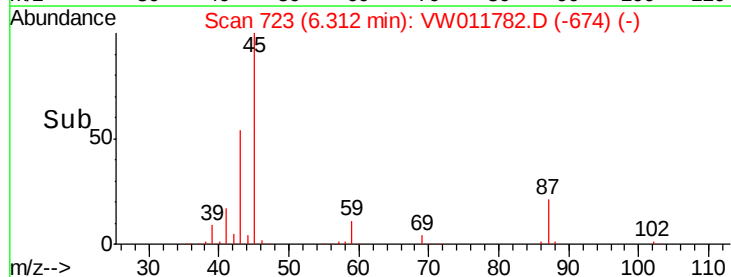
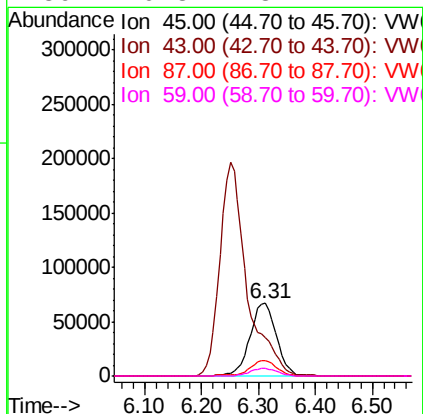
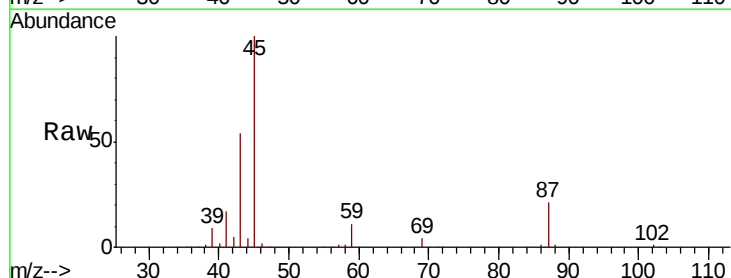
Ion Ratio Lower Upper

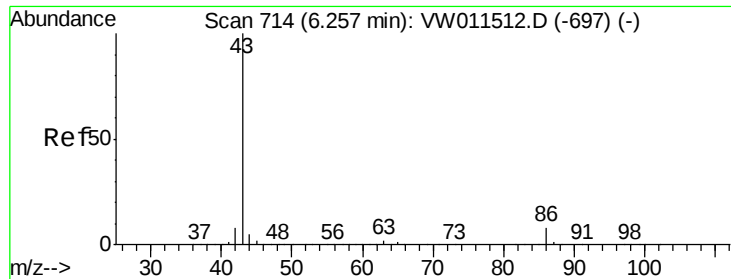
45 100

43 53.9 42.6 63.8

87 21.0 16.4 24.6

59 10.8 8.2 12.2

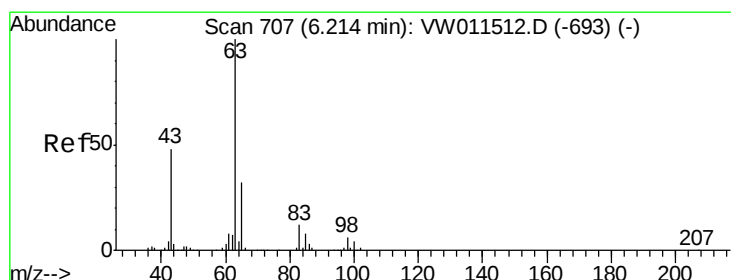
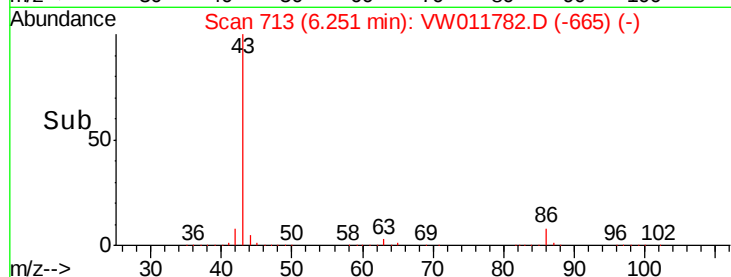
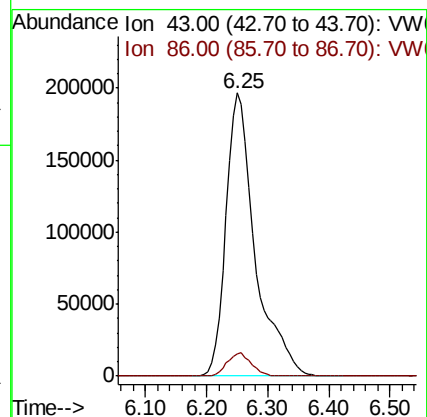
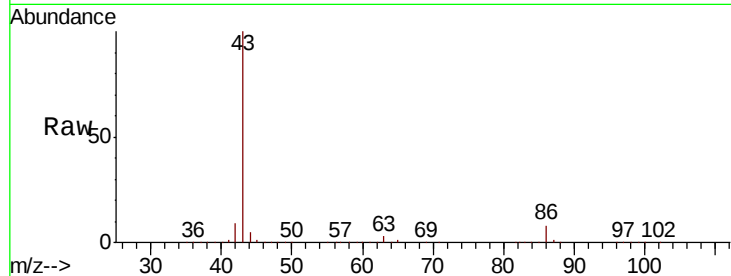




#23
 Vinyl Acetate
 Concen: 113.695 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. -0.01 min
 Lab File: VW011782.D
 Acq: 08 Aug 2019 21:37

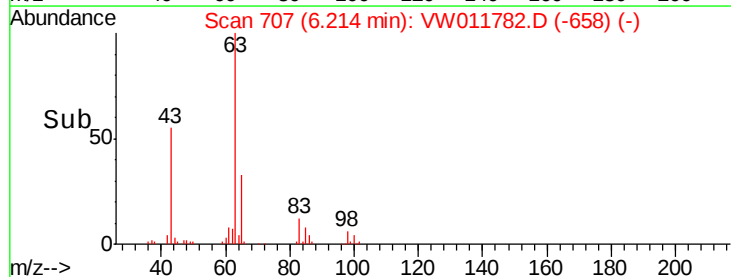
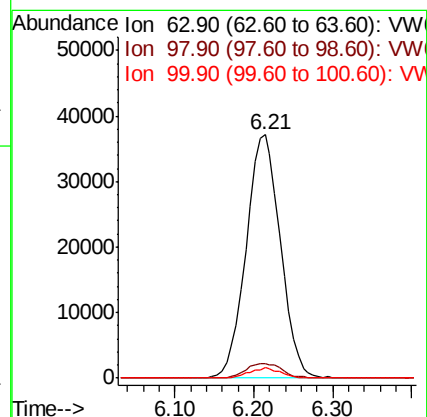
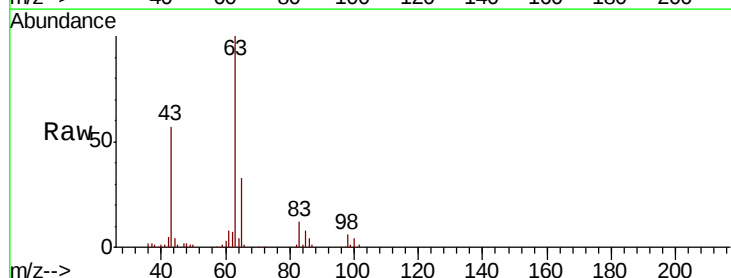
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0810SBS01

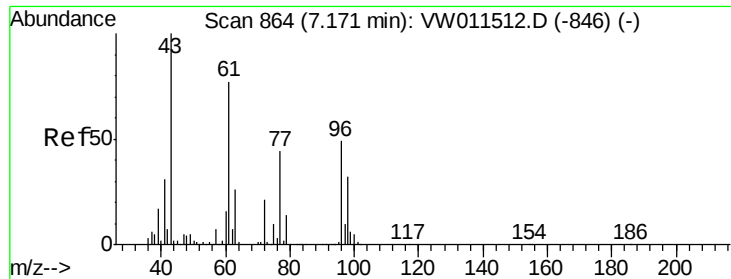
Tgt Ion: 43 Resp: 650438
 Ion Ratio Lower Upper
 43 100
 86 8.1 6.5 9.7



#24
 1,1-Dichloroethane
 Concen: 22.992 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW011782.D
 Acq: 08 Aug 2019 21:37

Tgt Ion: 63 Resp: 112110
 Ion Ratio Lower Upper
 63 100
 98 6.2 2.9 8.8
 100 4.2 2.1 6.3





#25

2-Butanone

Concen: 101.745 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW011782.D

Acq: 08 Aug 2019 21:37

Instrument :

MSVOA_W

ClientSampleId :

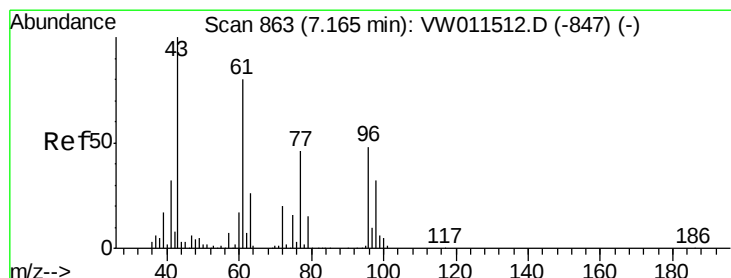
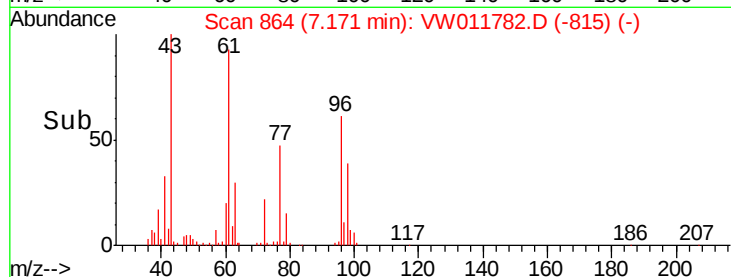
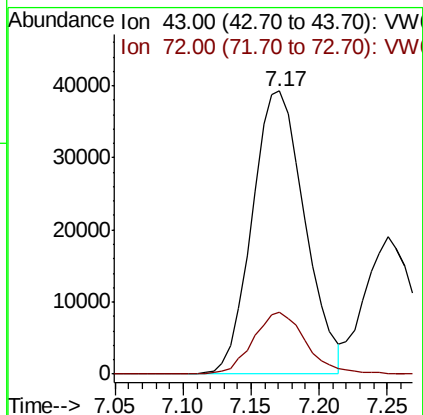
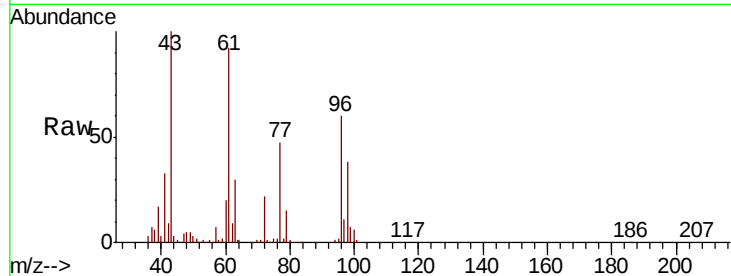
VW0810SBS01

Tgt Ion: 43 Resp: 106018

Ion Ratio Lower Upper

43 100

72 22.0 16.6 24.8



#26

2,2-Dichloropropane

Concen: 19.195 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW011782.D

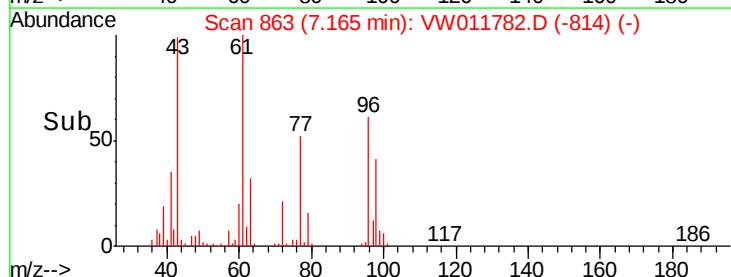
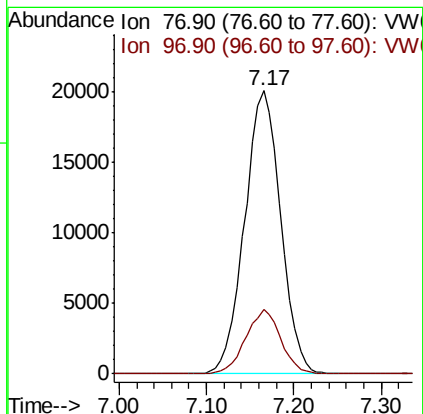
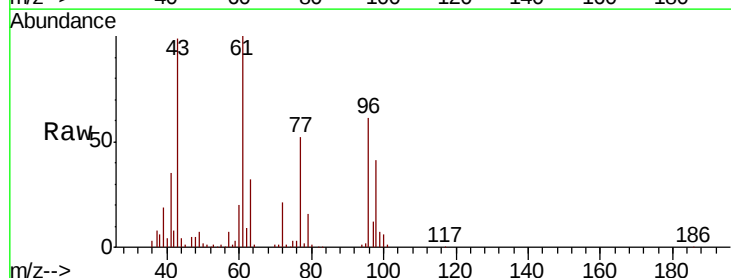
Acq: 08 Aug 2019 21:37

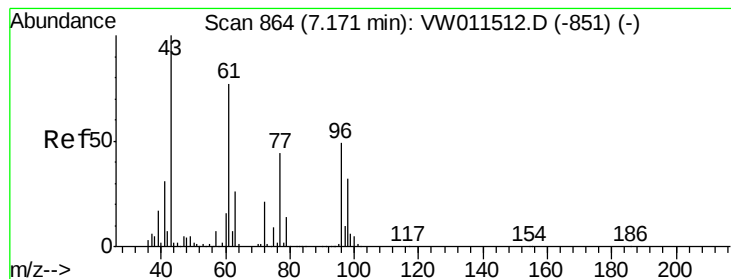
Tgt Ion: 77 Resp: 57562

Ion Ratio Lower Upper

77 100

97 21.9 10.8 32.4



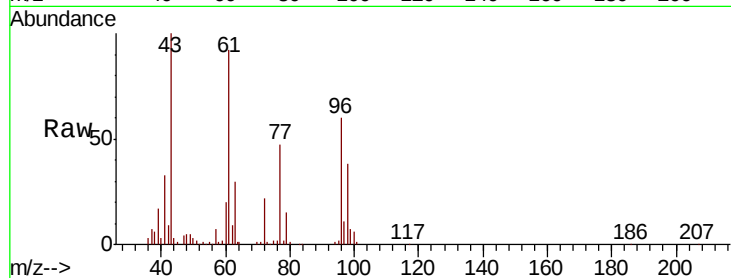


#27

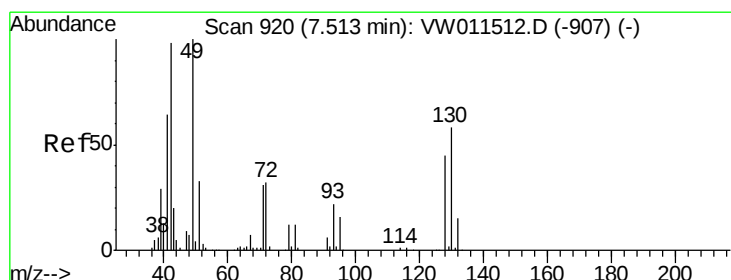
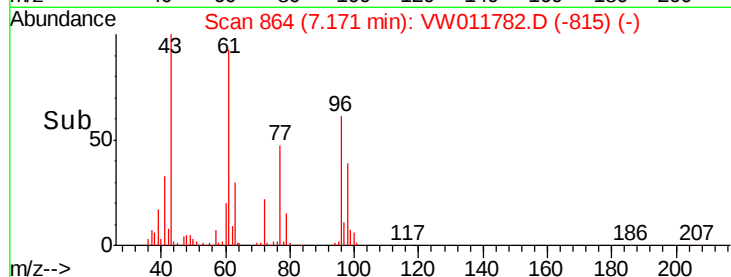
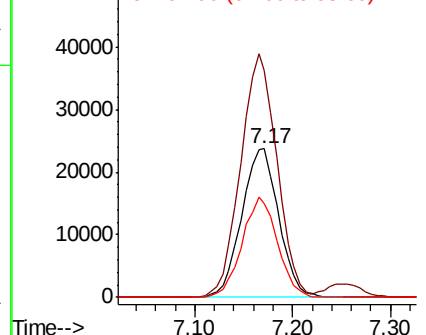
cis-1,2-Dichloroethene
Concen: 23.106 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW011782.D
Acq: 08 Aug 2019 21:37

Instrument :
MSVOA_W
ClientSampleId :
VW0810SBS01

Tgt Ion: 96 Resp: 62248
Ion Ratio Lower Upper
96 100
61 161.1 0.0 328.4
98 64.6 0.0 128.8



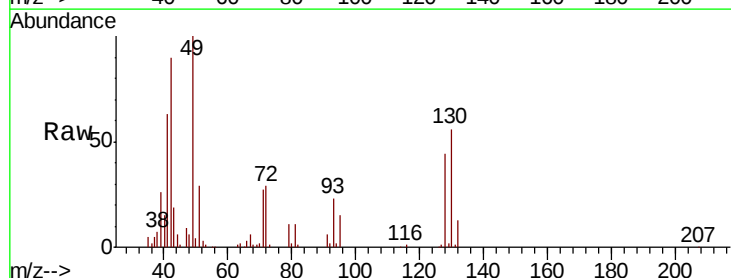
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



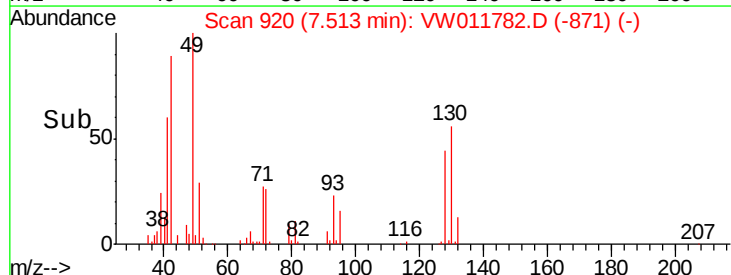
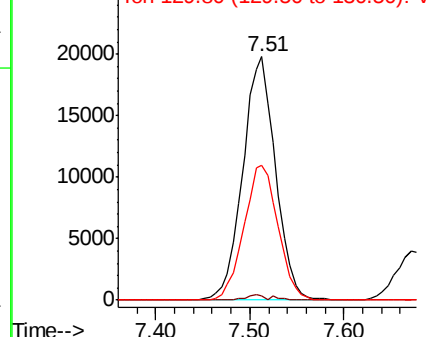
#28

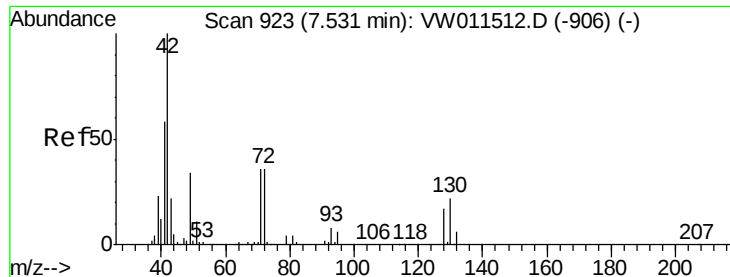
Bromochloromethane
Concen: 22.181 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW011782.D
Acq: 08 Aug 2019 21:37

Tgt Ion: 49 Resp: 48008
Ion Ratio Lower Upper
49 100
129 1.1 0.0 1.0#
130 57.7 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: 120.988 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.00 min

Lab File: VW011782.D

Acq: 08 Aug 2019 21:37

Instrument :

MSVOA_W

ClientSampleId :

VW0810SBS01

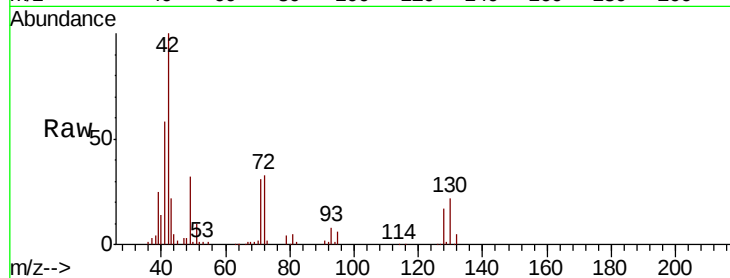
Tgt Ion: 42 Resp: 72062

Ion Ratio Lower Upper

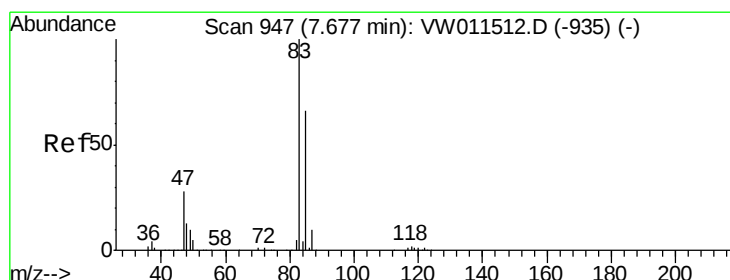
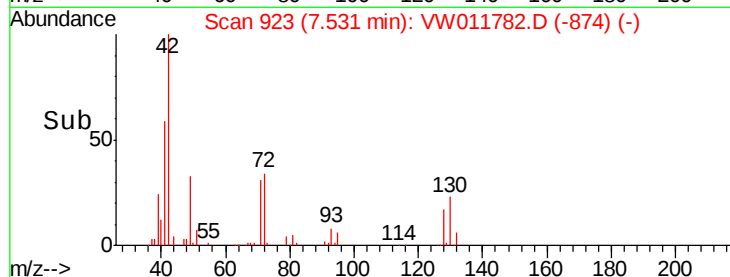
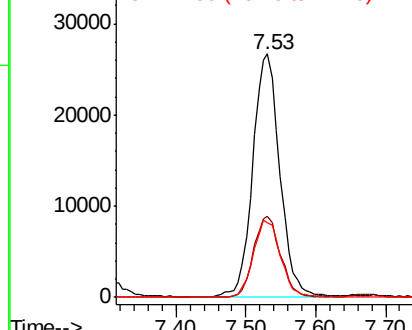
42 100

72 32.9 27.1 40.7

71 31.7 26.2 39.4



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW



#30

Chloroform

Concen: 23.127 ug/l

RT: 7.67 min Scan# 946

Delta R.T. -0.01 min

Lab File: VW011782.D

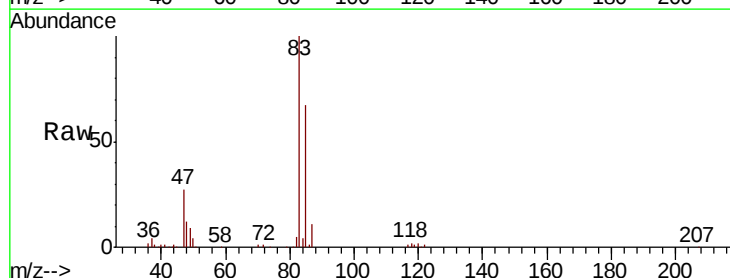
Acq: 08 Aug 2019 21:37

Tgt Ion: 83 Resp: 104037

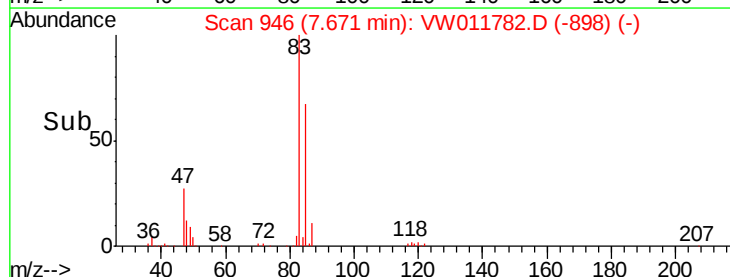
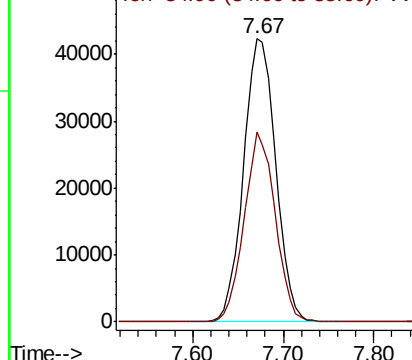
Ion Ratio Lower Upper

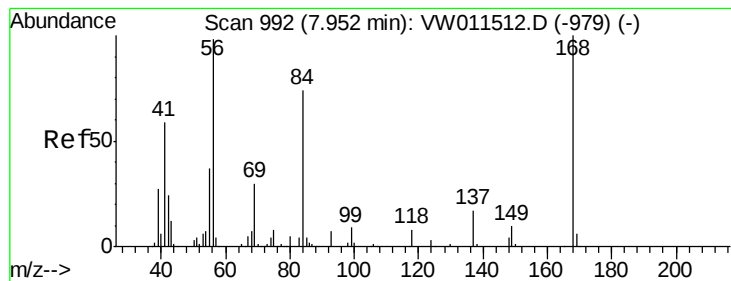
83 100

85 67.3 52.5 78.7



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW





#31

Cyclohexane

Concen: 22.100 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW011782.D

Acq: 08 Aug 2019 21:37

Instrument :

MSVOA_W

ClientSampleId :

VW0810SBS01

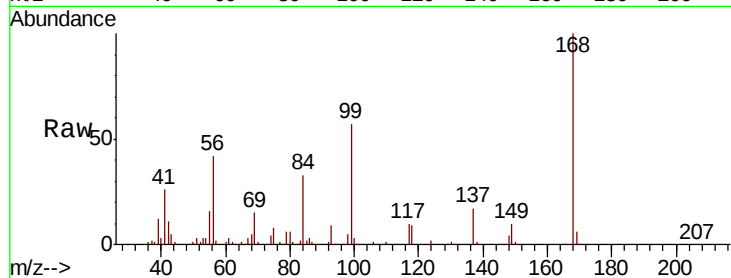
Tgt Ion: 56 Resp: 103440

Ion Ratio Lower Upper

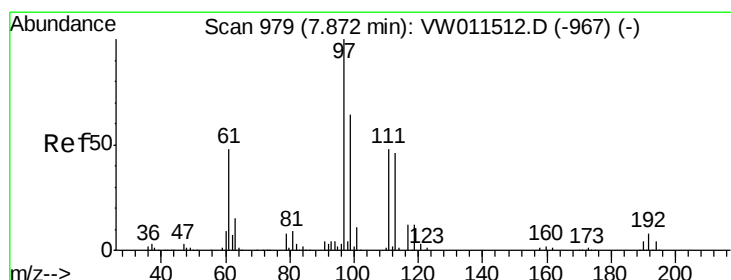
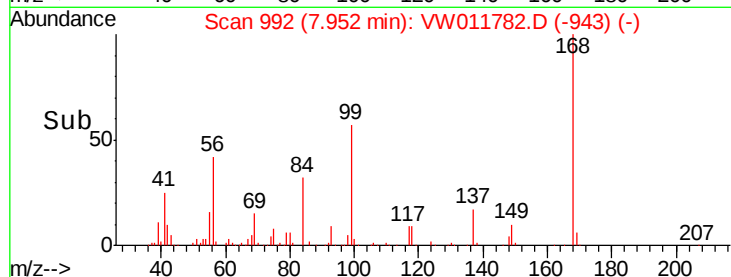
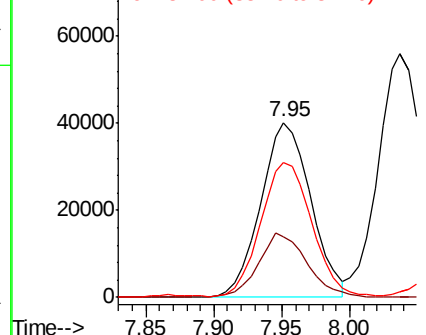
56 100

69 34.4 24.3 36.5

84 76.3 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: 23.065 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW011782.D

Acq: 08 Aug 2019 21:37

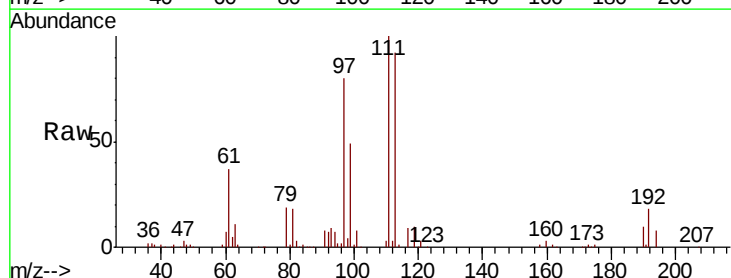
Tgt Ion: 97 Resp: 79020

Ion Ratio Lower Upper

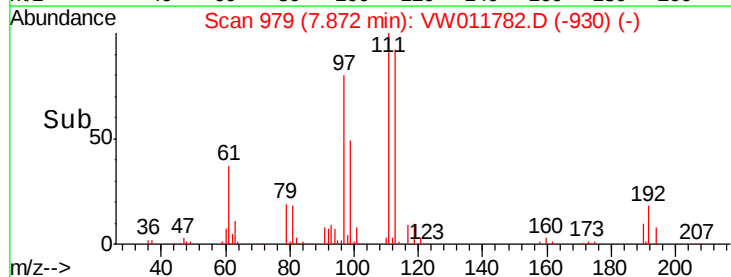
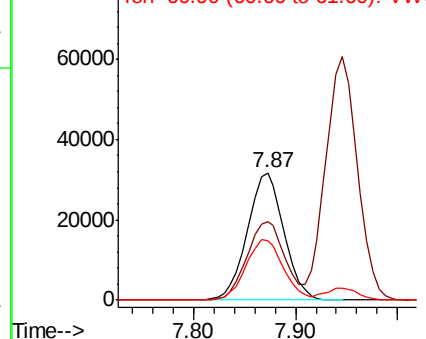
97 100

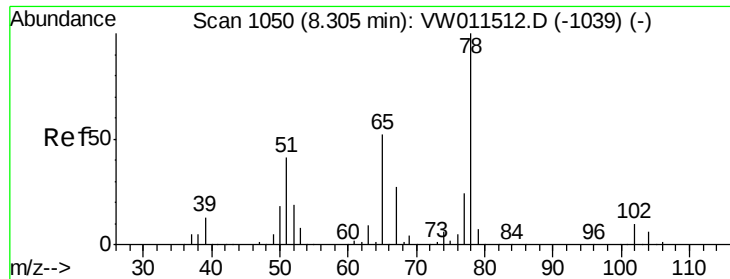
99 62.8 51.0 76.6

61 48.9 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

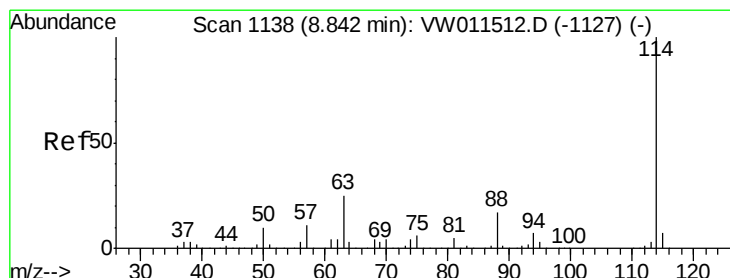
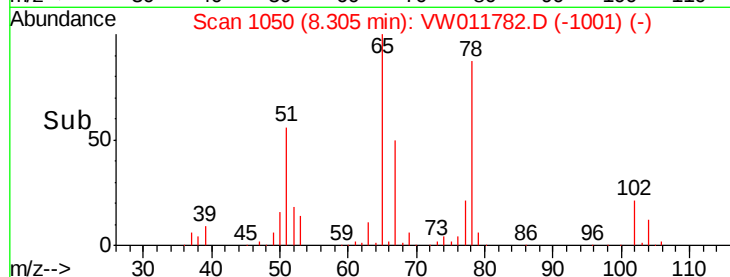
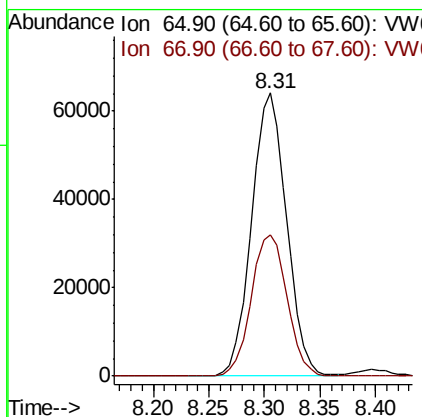
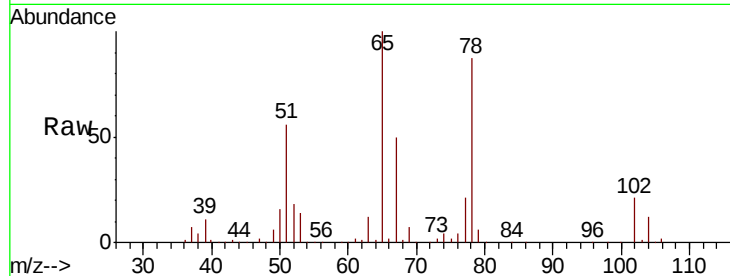




#33
 1,2-Dichloroethane-d4
 Concen: 56.057 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011782.D
 Acq: 08 Aug 2019 21:37

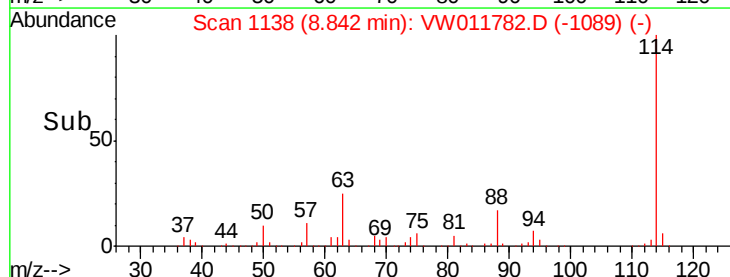
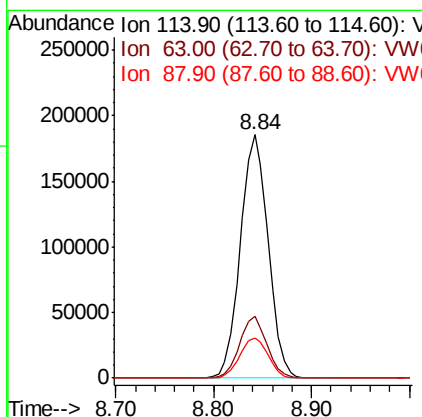
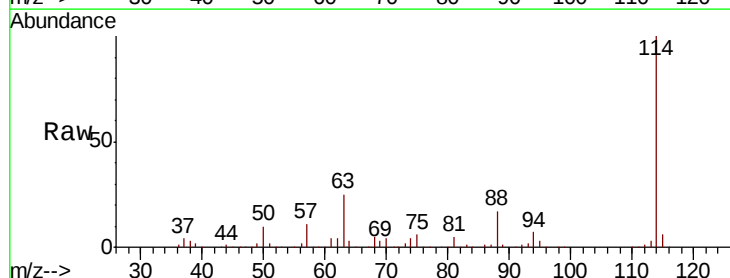
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0810SBS01

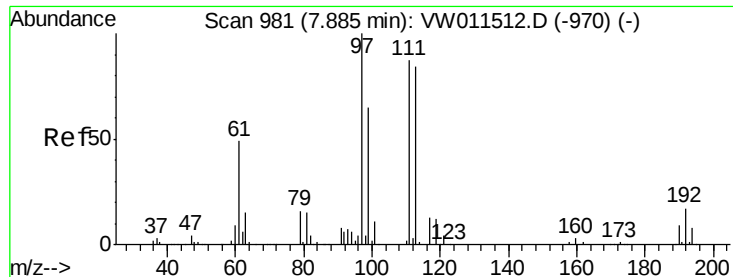
Tgt Ion: 65 Resp: 140331
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011782.D
 Acq: 08 Aug 2019 21:37

Tgt Ion: 114 Resp: 363907
 Ion Ratio Lower Upper
 114 100
 63 25.4 0.0 49.2
 88 16.7 0.0 33.8

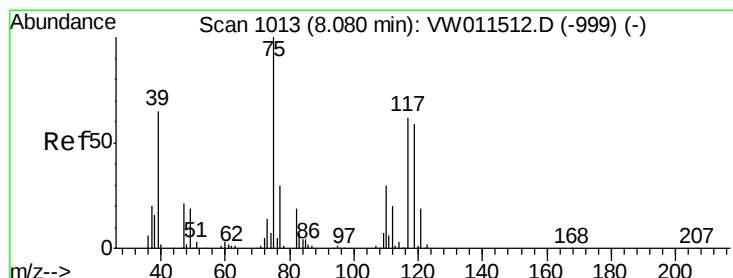
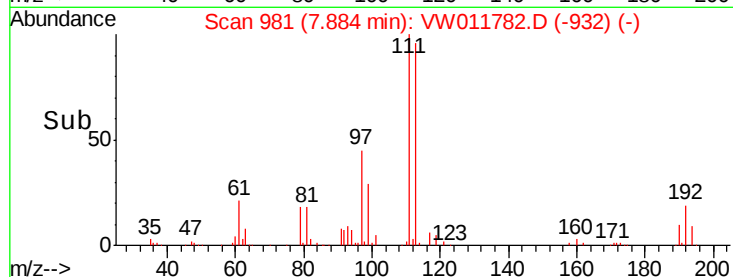
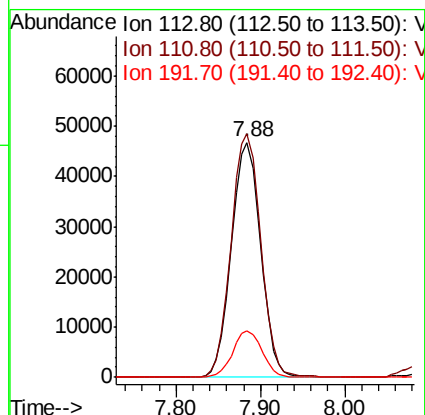
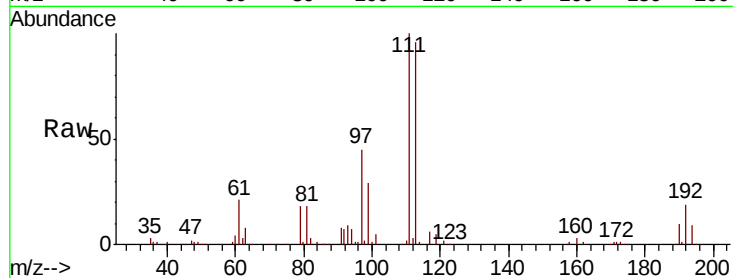




#35
 Dibromofluoromethane
 Concen: 53.836 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW011782.D
 Acq: 08 Aug 2019 21:37

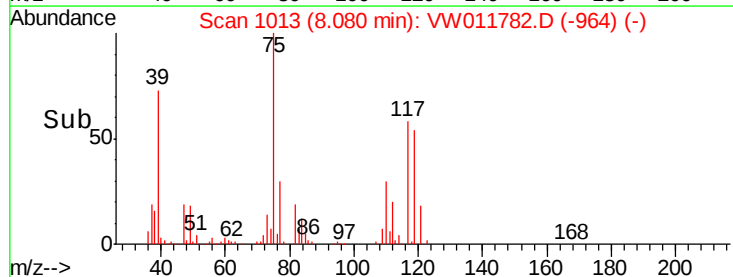
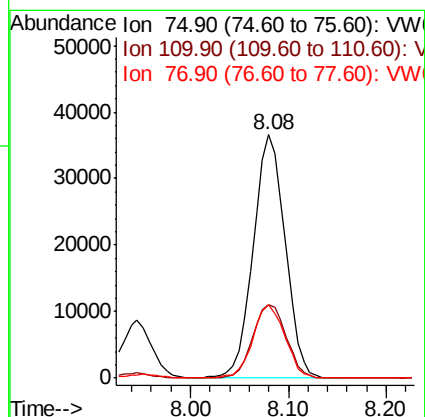
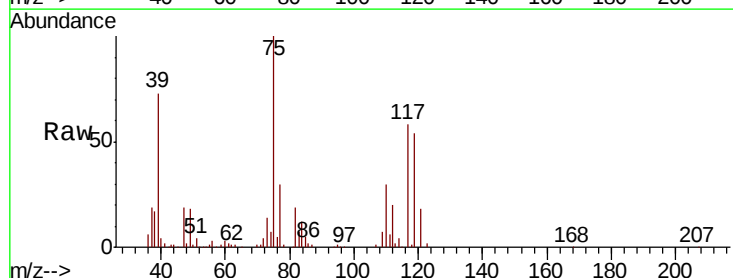
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0810SBS01

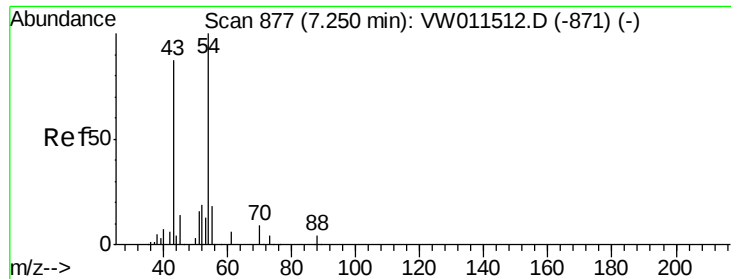
Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.9	82.7	124.1
192	19.8	16.1	24.1



#36
 1,1-Dichloropropene
 Concen: 21.935 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW011782.D
 Acq: 08 Aug 2019 21:37

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.6	15.6	46.8
77	30.6	24.3	36.5

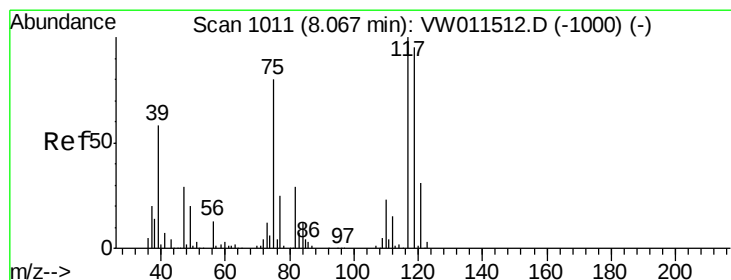
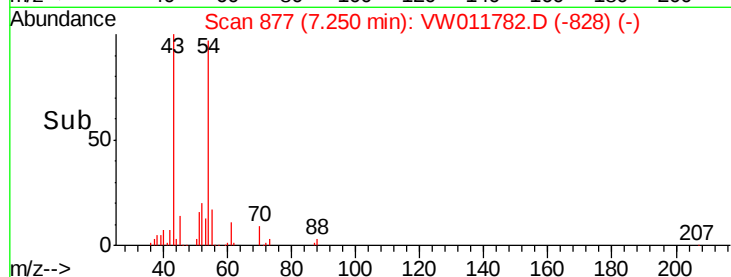
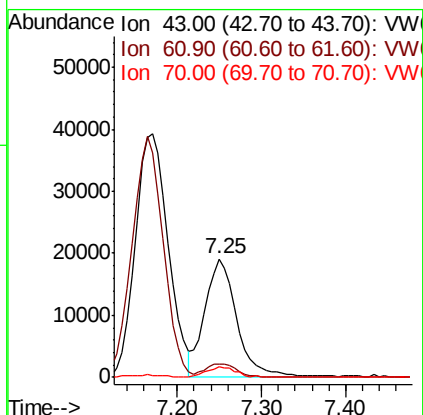
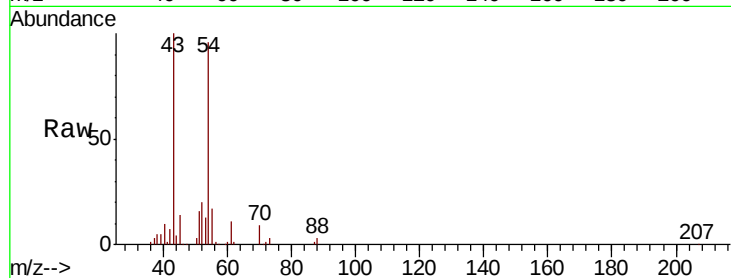




#37
Ethyl Acetate
Concen: 22.905 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW011782.D
Acq: 08 Aug 2019 21:37

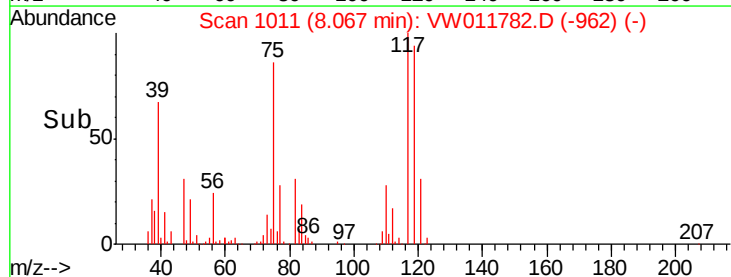
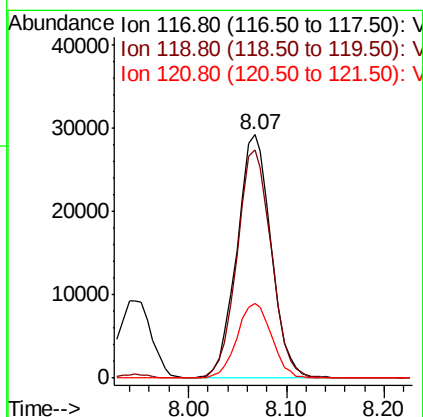
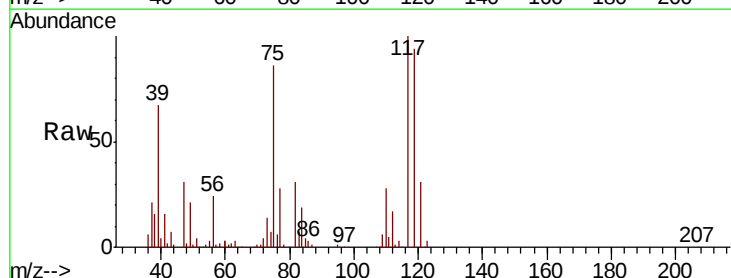
Instrument :
MSVOA_W
ClientSampleId :
VW0810SBS01

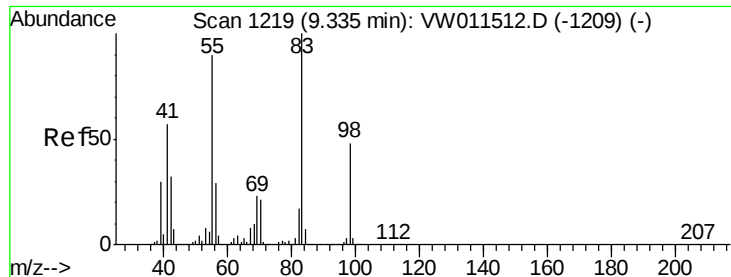
Tgt Ion: 43 Resp: 49864
Ion Ratio Lower Upper
43 100
61 11.5 8.8 13.2
70 8.6 7.1 10.7



#38
Carbon Tetrachloride
Concen: 21.815 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW011782.D
Acq: 08 Aug 2019 21:37

Tgt Ion: 117 Resp: 70667
Ion Ratio Lower Upper
117 100
119 93.9 75.8 113.6
121 30.7 24.7 37.1

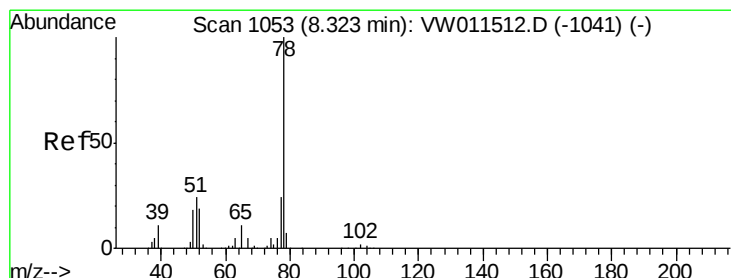
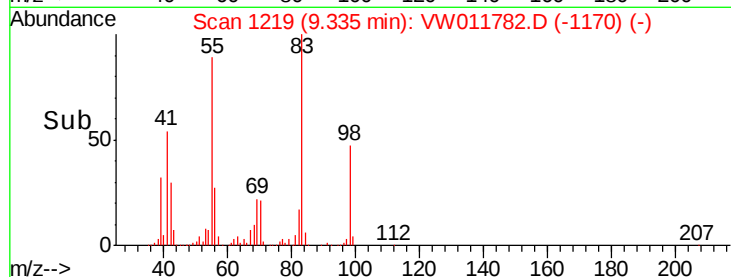
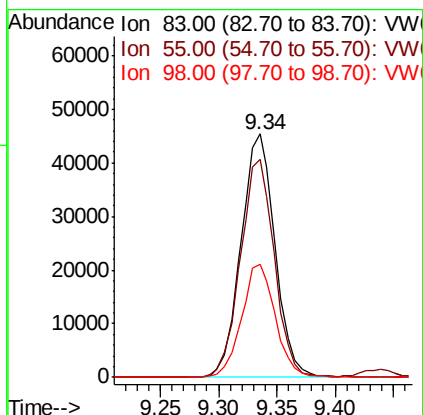
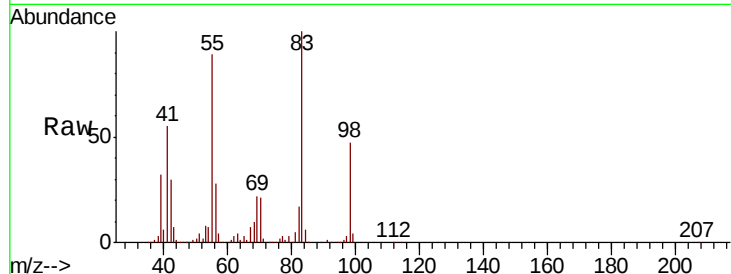




#39
Methylcyclohexane
Concen: 22.206 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW011782.D
Acq: 08 Aug 2019 21:37

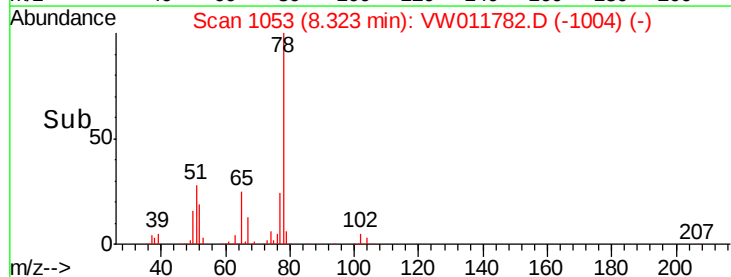
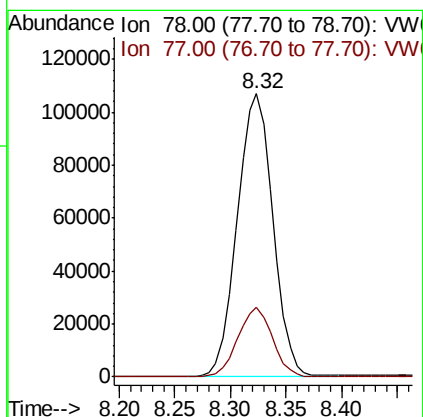
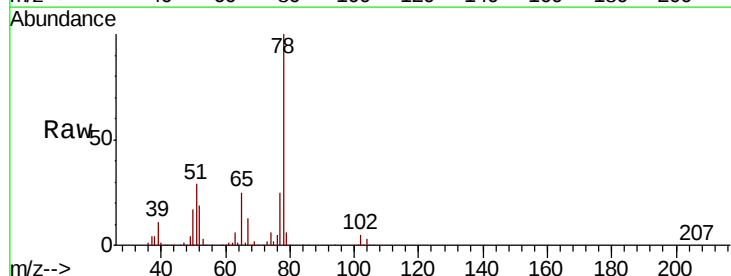
Instrument :
MSVOA_W
ClientSampleId :
VW0810SBS01

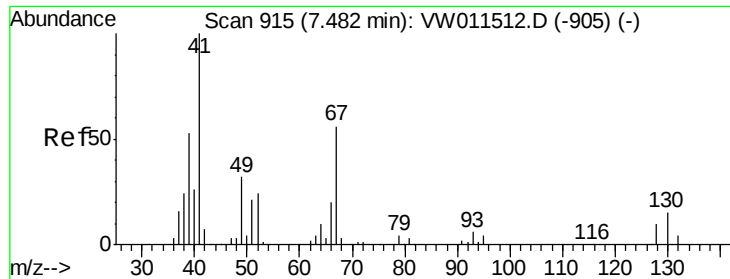
Tgt Ion: 83 Resp: 92524
Ion Ratio Lower Upper
83 100
55 89.5 72.1 108.1
98 46.6 38.6 57.8



#40
Benzene
Concen: 22.509 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW011782.D
Acq: 08 Aug 2019 21:37

Tgt Ion: 78 Resp: 238571
Ion Ratio Lower Upper
78 100
77 24.5 19.4 29.0





#41

Methacrylonitrile

Concen: 22.646 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW011782.D

Acq: 08 Aug 2019 21:37

Instrument :

MSVOA_W

ClientSampleId :

VW0810SBS01

Tgt Ion: 41 Resp: 29471

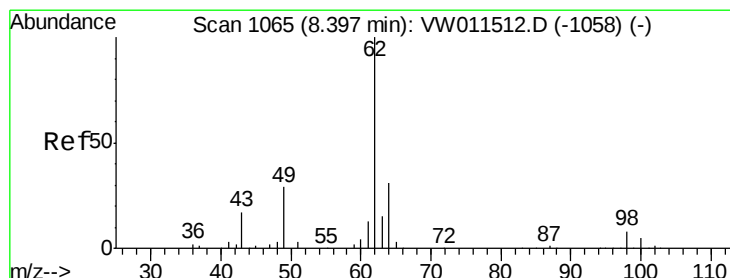
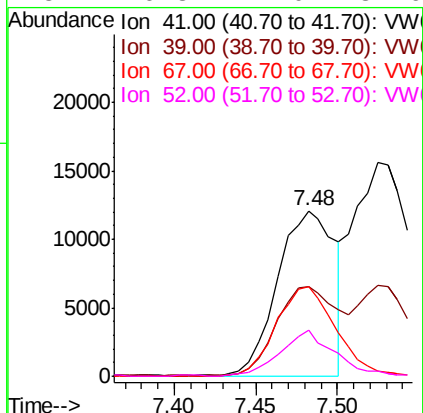
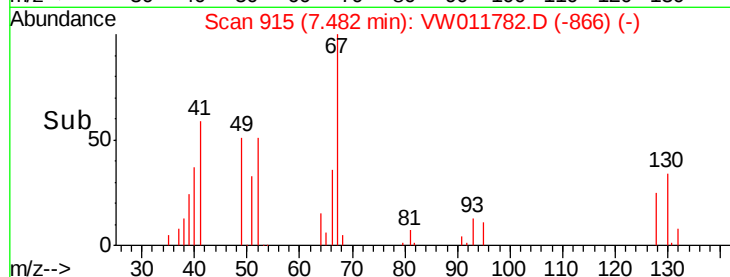
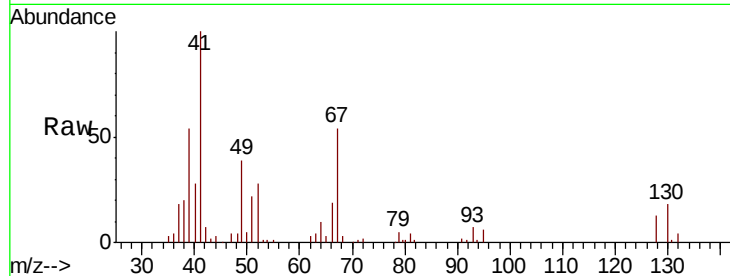
Ion Ratio Lower Upper

41 100

39 59.9 43.0 64.4

67 56.3 47.5 71.3

52 26.3 21.0 31.6



#42

1,2-Dichloroethane

Concen: 22.964 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW011782.D

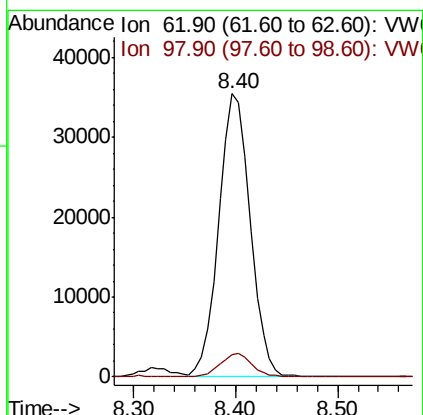
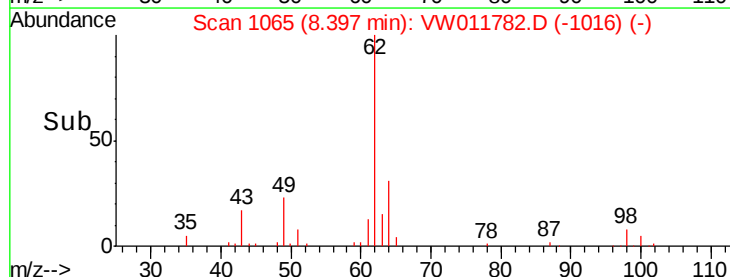
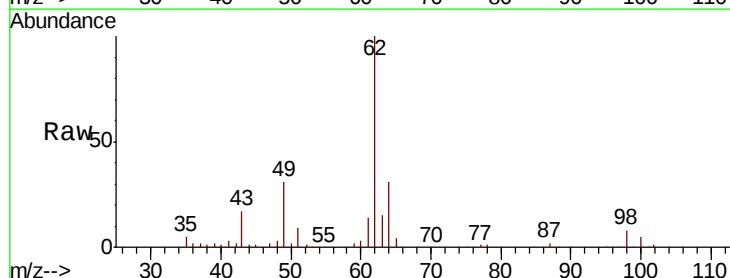
Acq: 08 Aug 2019 21:37

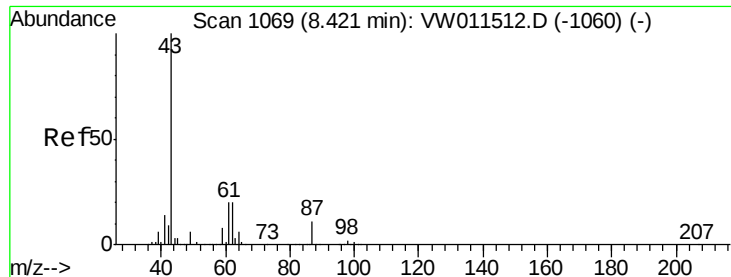
Tgt Ion: 62 Resp: 76205

Ion Ratio Lower Upper

62 100

98 8.3 0.0 16.8





#43

Isopropyl Acetate

Concen: 22.632 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW011782.D

Acq: 08 Aug 2019 21:37

Instrument :

MSVOA_W

ClientSampleId :

VW0810SBS01

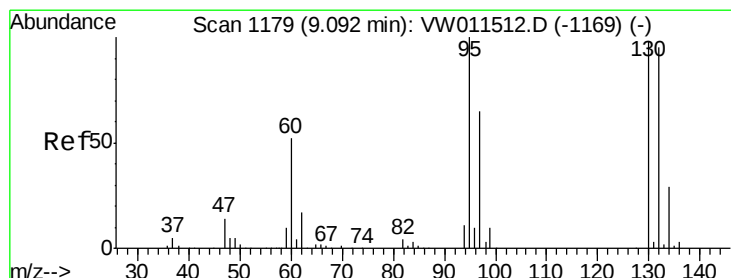
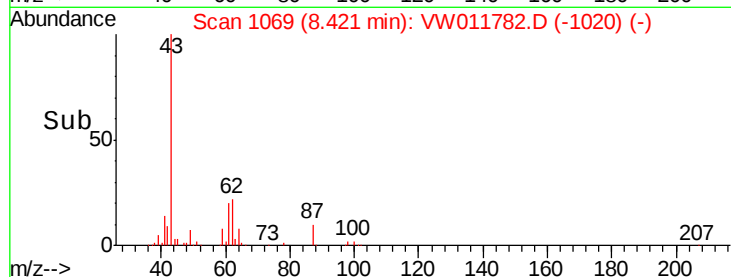
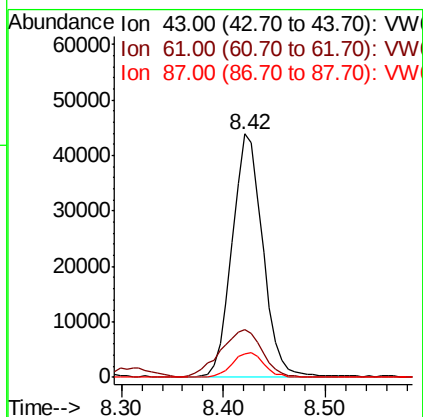
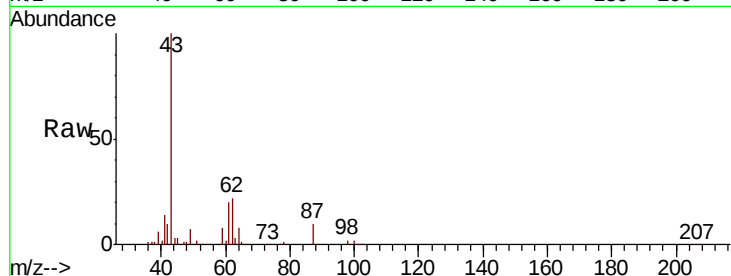
Tgt Ion: 43 Resp: 90612

Ion Ratio Lower Upper

43 100

61 27.3 21.5 32.3

87 10.9 8.4 12.6



#44

Trichloroethene

Concen: 22.450 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW011782.D

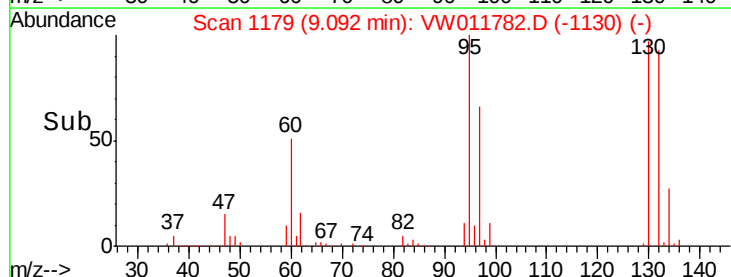
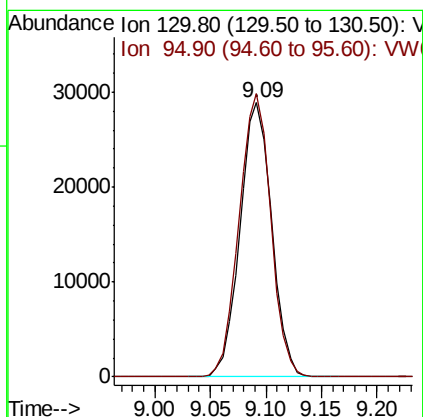
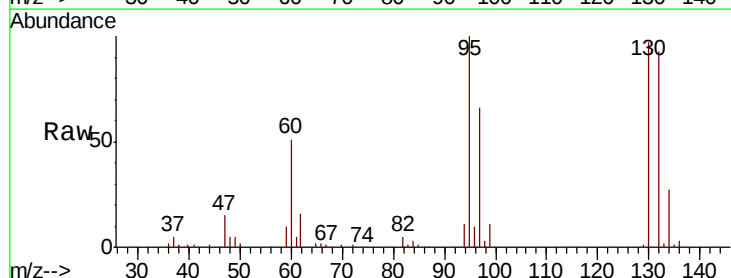
Acq: 08 Aug 2019 21:37

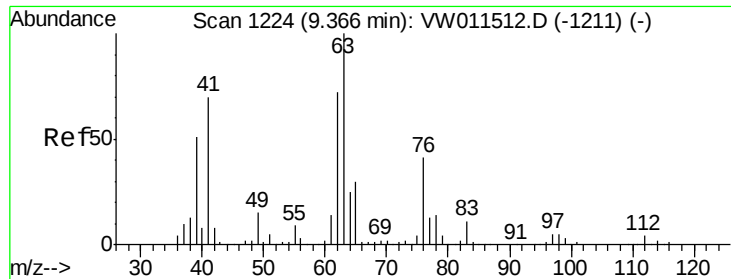
Tgt Ion: 130 Resp: 57190

Ion Ratio Lower Upper

130 100

95 103.2 0.0 204.8

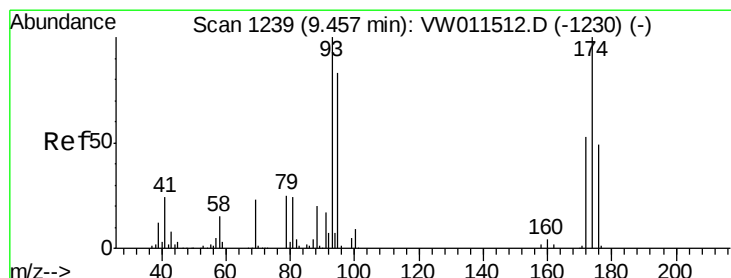
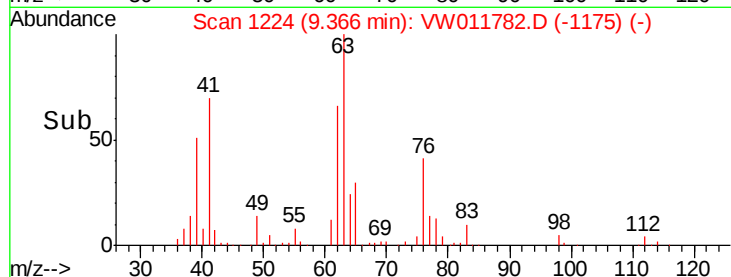
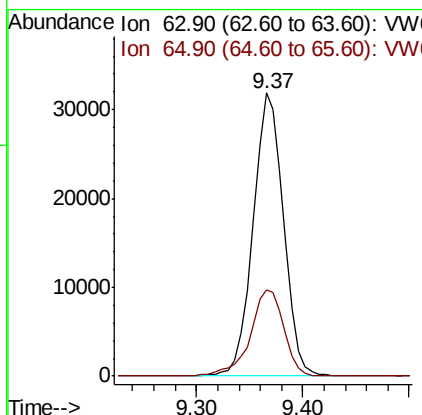
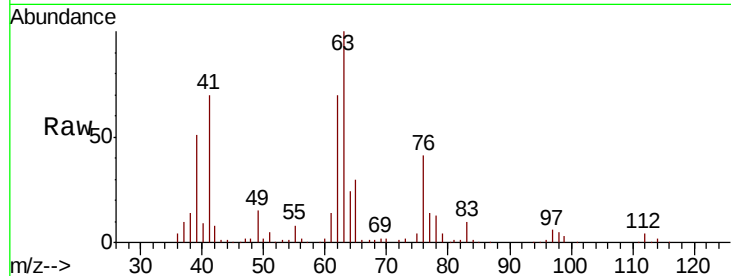




#45
 1,2-Dichloropropane
 Concen: 22.522 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW011782.D
 Acq: 08 Aug 2019 21:37

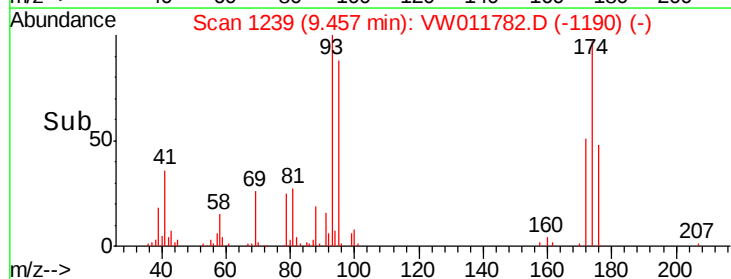
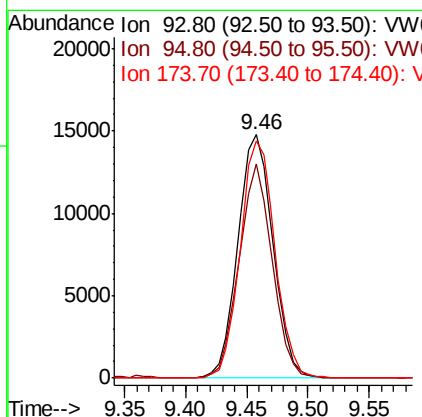
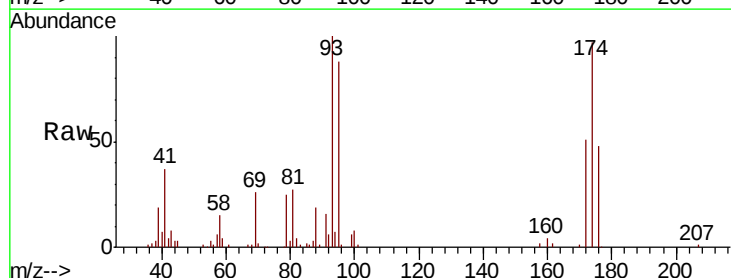
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0810SBS01

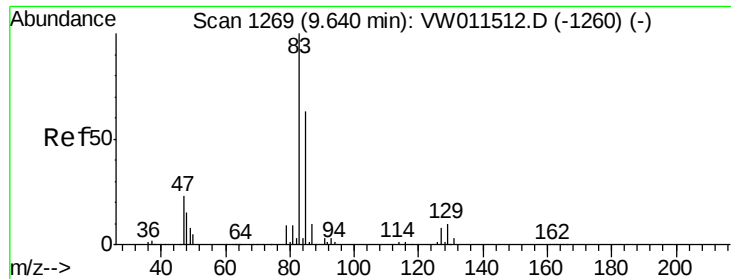
Tgt Ion: 63 Resp: 63872
 Ion Ratio Lower Upper
 63 100
 65 30.4 24.2 36.4



#46
 Dibromomethane
 Concen: 22.742 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW011782.D
 Acq: 08 Aug 2019 21:37

Tgt Ion: 93 Resp: 29437
 Ion Ratio Lower Upper
 93 100
 95 83.0 66.2 99.2
 174 96.6 78.2 117.4

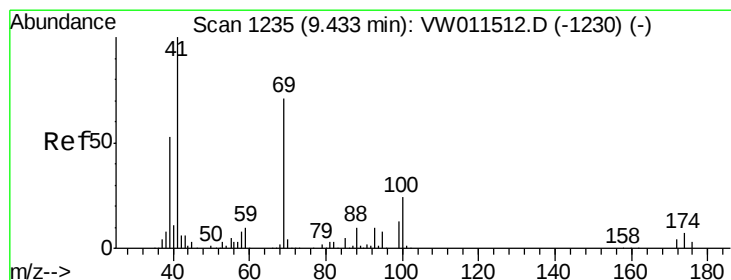
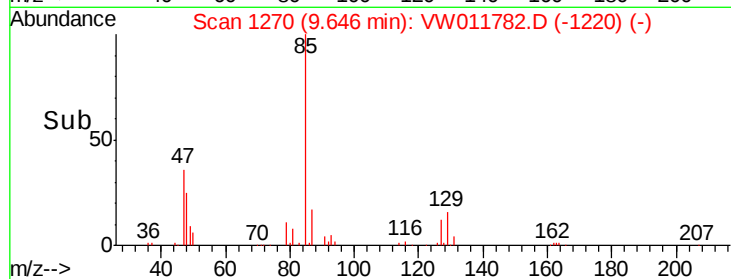
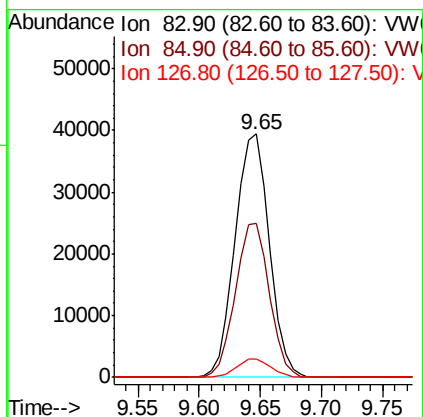
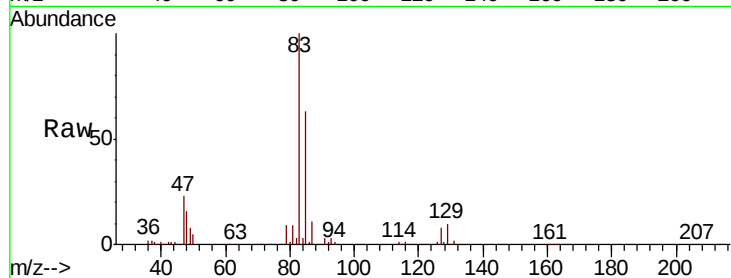




#47
 Bromodichloromethane
 Concen: 22.569 ug/l
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.01 min
 Lab File: VW011782.D
 Acq: 08 Aug 2019 21:37

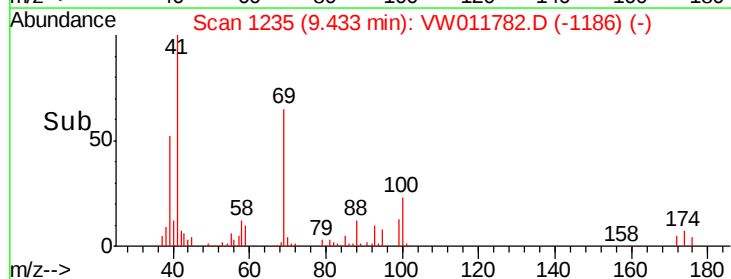
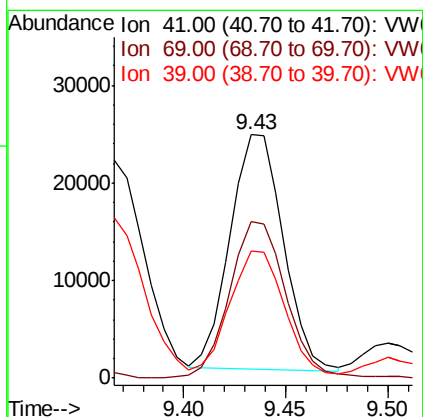
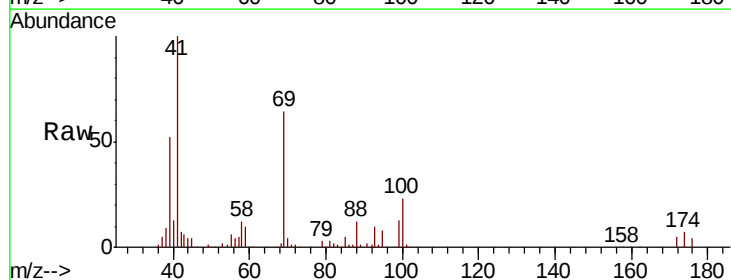
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0810SBS01

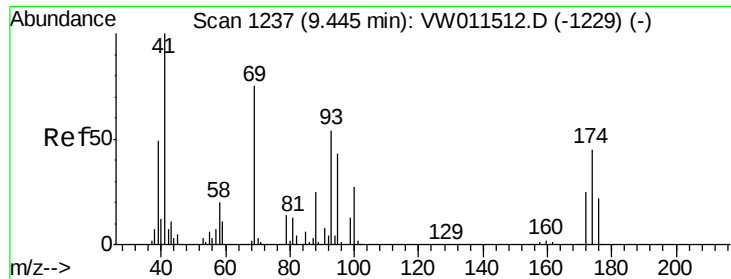
Tgt Ion: 83 Resp: 76629
 Ion Ratio Lower Upper
 83 100
 85 63.0 50.5 75.7
 127 7.8 6.4 9.6



#48
 Methyl methacrylate
 Concen: 22.686 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. -0.00 min
 Lab File: VW011782.D
 Acq: 08 Aug 2019 21:37

Tgt Ion: 41 Resp: 43630
 Ion Ratio Lower Upper
 41 100
 69 71.3 57.1 85.7
 39 56.6 45.4 68.2

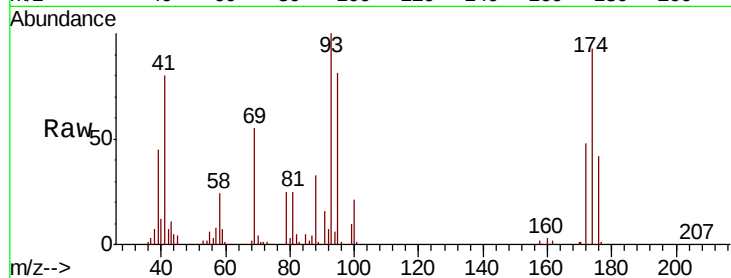




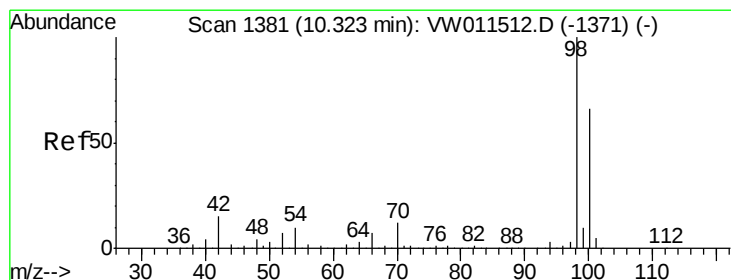
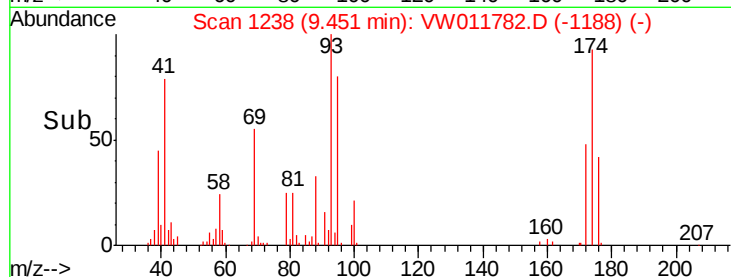
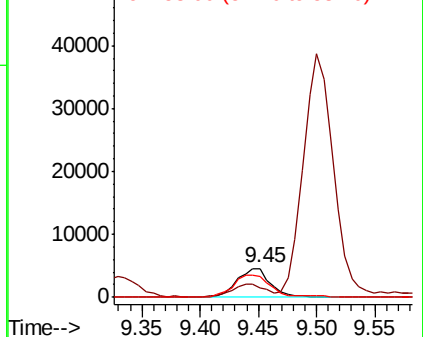
#49
 1,4-Dioxane
 Concen: 494.399 ug/l
 RT: 9.45 min Scan# 1238
 Delta R.T. 0.01 min
 Lab File: VW011782.D
 Acq: 08 Aug 2019 21:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0810SBS01

Tgt Ion: 88 Resp: 9266
 Ion Ratio Lower Upper
 88 100
 43 42.2 34.0 51.0
 58 85.2 69.7 104.5

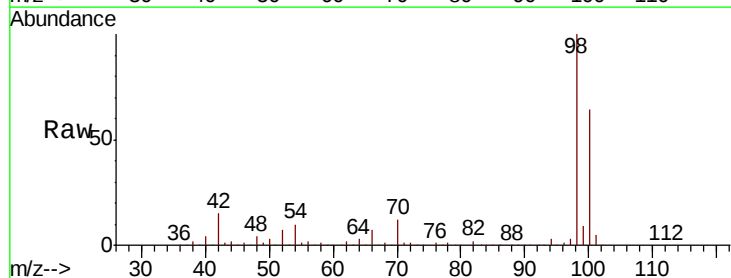


Abundance Ion 88.00 (87.70 to 88.70): VW
 Ion 43.00 (42.70 to 43.70): VW
 Ion 58.00 (57.70 to 58.70): VW

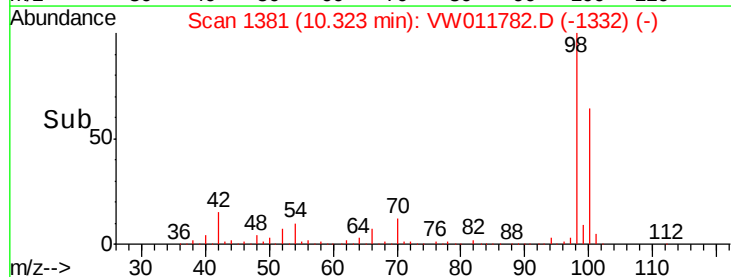
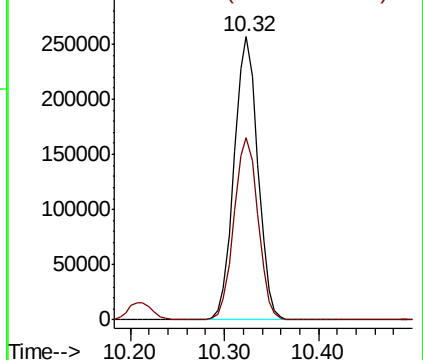


#50
 Toluene-d8
 Concen: 53.689 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW011782.D
 Acq: 08 Aug 2019 21:37

Tgt Ion: 98 Resp: 448776
 Ion Ratio Lower Upper
 98 100
 100 65.0 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW
 Ion 100.00 (99.70 to 100.70): VW

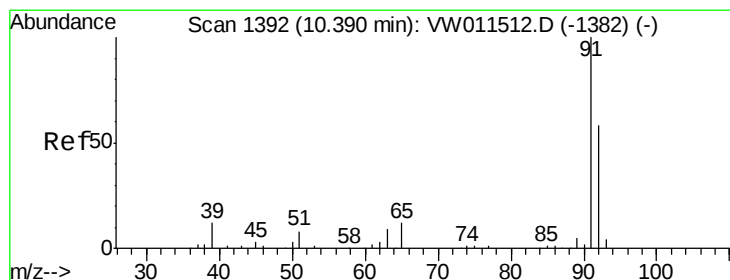
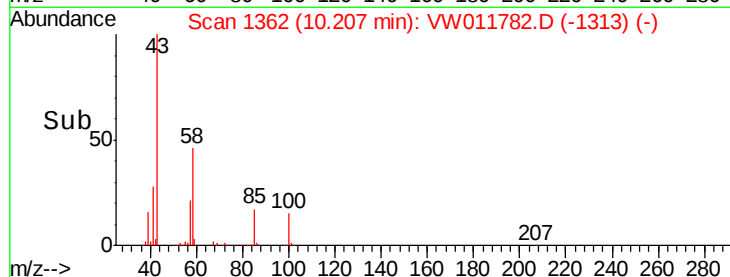
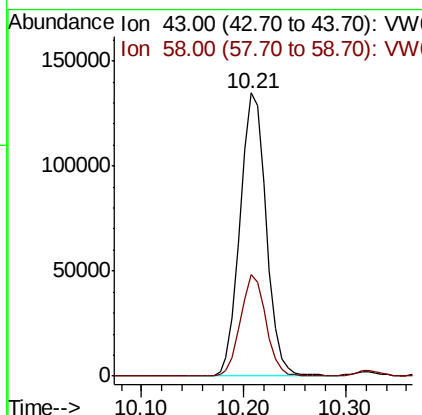
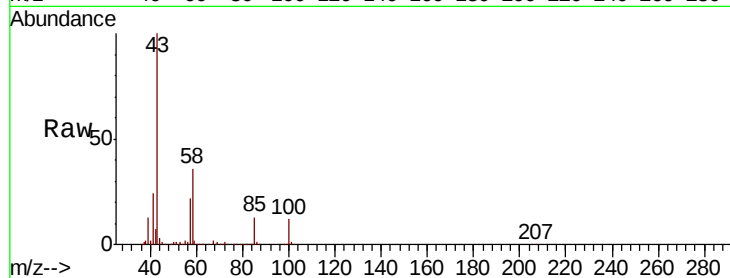




#51
 4-Methyl-2-Pentanone
 Concen: 115.190 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW011782.D
 Acq: 08 Aug 2019 21:37

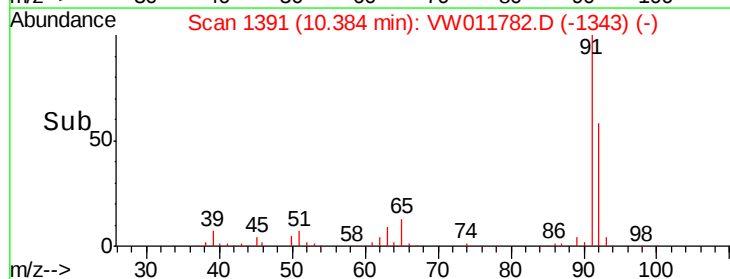
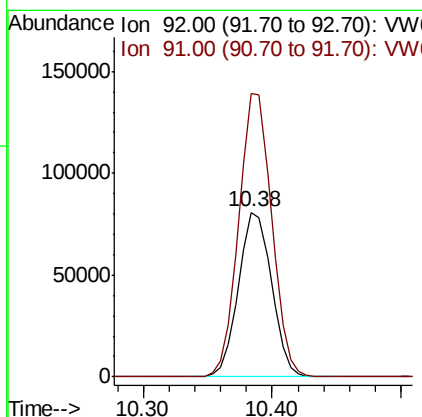
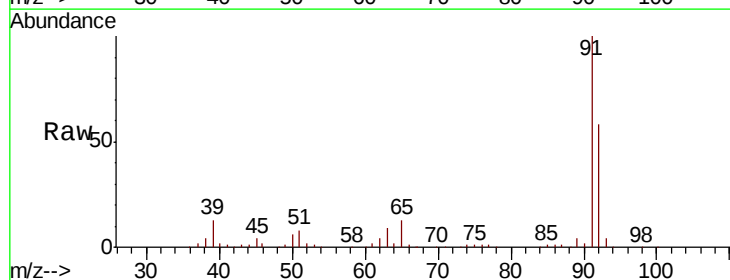
Instrument :
 MSVOA_W
 ClientSampled :
 VW0810SBS01

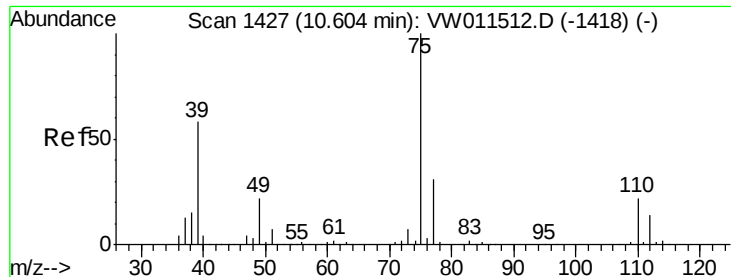
Tgt Ion: 43 Resp: 239885
 Ion Ratio Lower Upper
 43 100
 58 34.9 28.2 42.2



#52
 Toluene
 Concen: 22.552 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: VW011782.D
 Acq: 08 Aug 2019 21:37

Tgt Ion: 92 Resp: 144349
 Ion Ratio Lower Upper
 92 100
 91 170.7 136.7 205.1





#53

t-1,3-Dichloropropene

Concen: 21.962 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW011782.D

Acq: 08 Aug 2019 21:37

Instrument :

MSVOA_W

ClientSampleId :

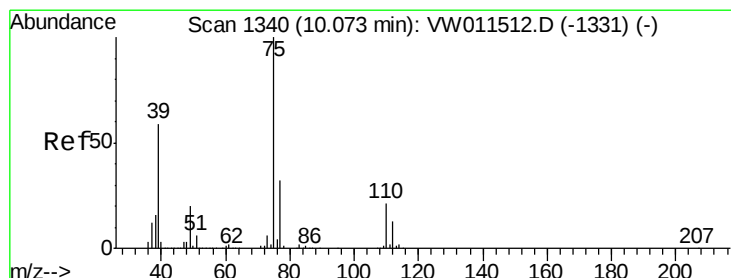
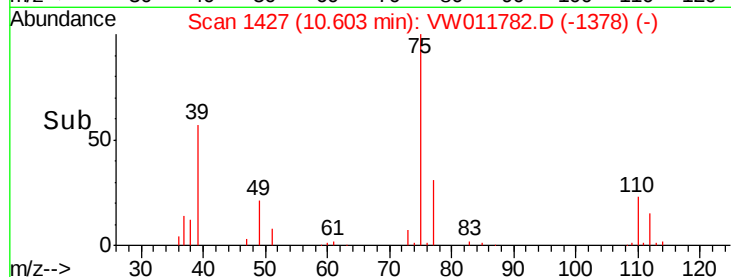
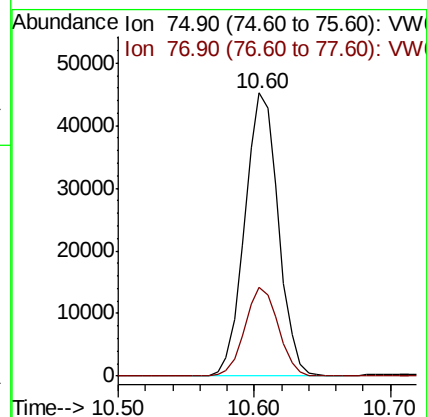
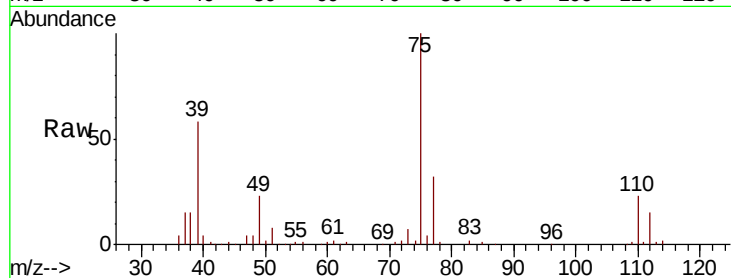
VW0810SBS01

Tgt Ion: 75 Resp: 77897

Ion Ratio Lower Upper

75 100

77 31.5 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 22.430 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW011782.D

Acq: 08 Aug 2019 21:37

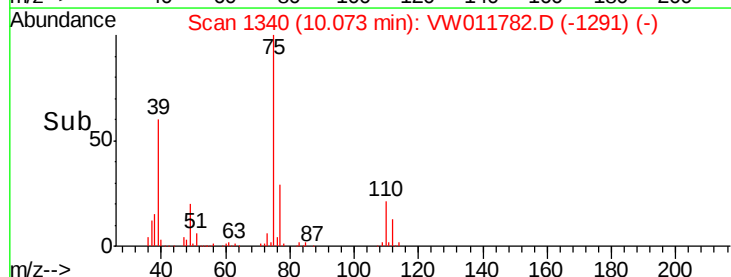
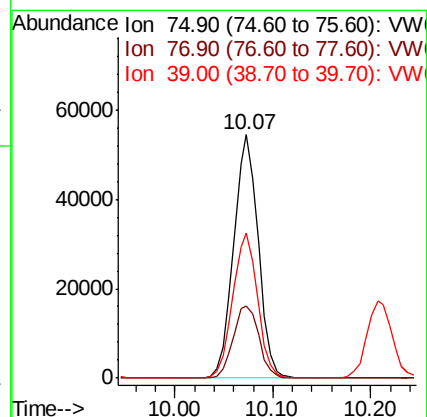
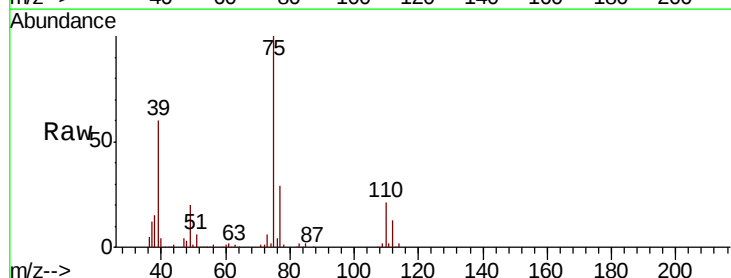
Tgt Ion: 75 Resp: 94590

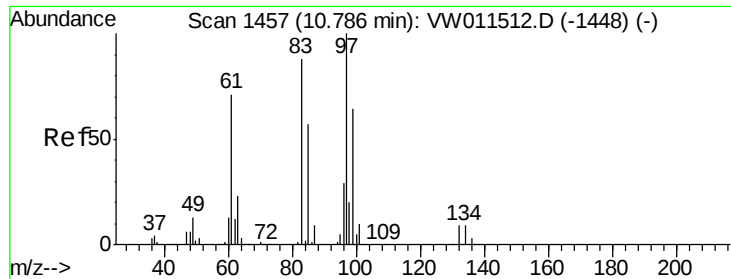
Ion Ratio Lower Upper

75 100

77 29.5 25.6 38.4

39 59.5 47.0 70.4

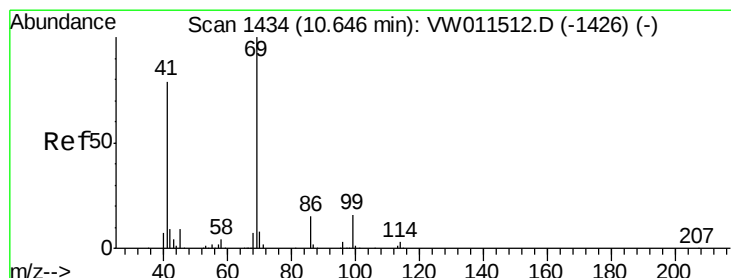
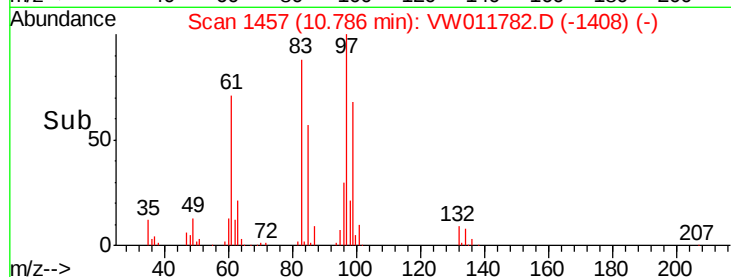
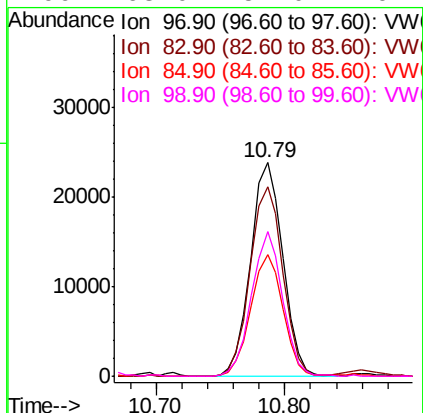
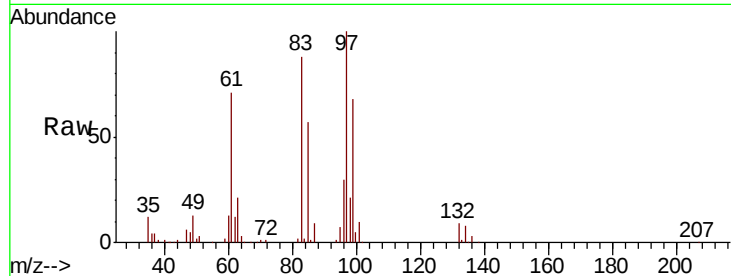




#55
 1,1,2-Trichloroethane
 Concen: 22.462 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW011782.D
 Acq: 08 Aug 2019 21:37

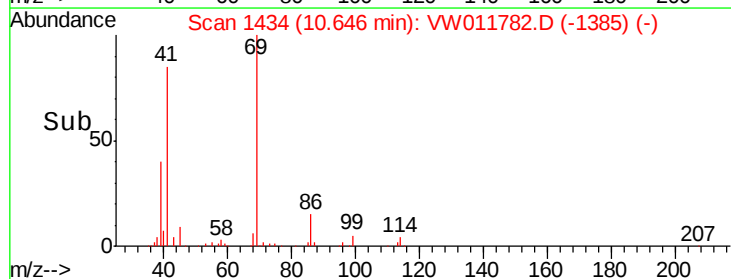
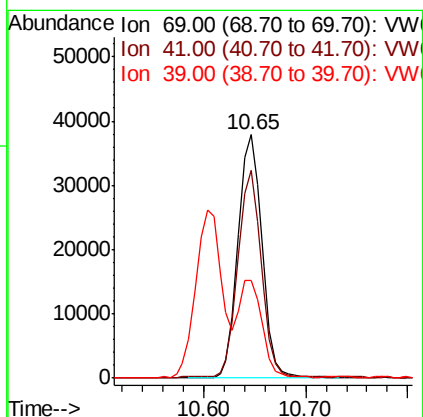
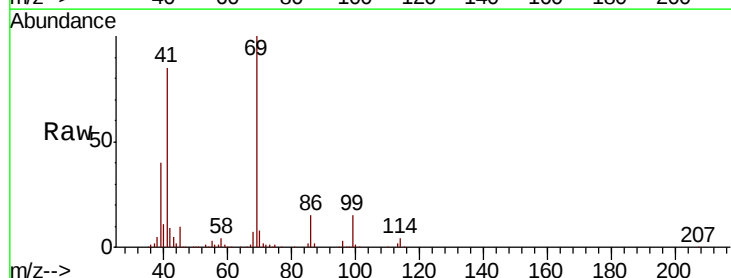
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0810SBS01

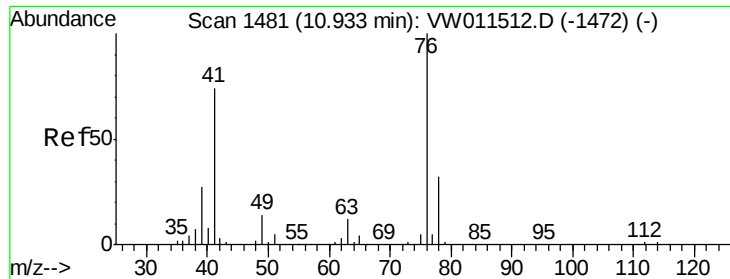
Tgt Ion:	97	Resp:	41253
Ion	Ratio	Lower	Upper
97	100		
83	88.5	70.5	105.7
85	56.8	45.8	68.6
99	68.0	51.0	76.4



#56
 Ethyl methacrylate
 Concen: 22.952 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW011782.D
 Acq: 08 Aug 2019 21:37

Tgt Ion:	69	Resp:	61681
Ion	Ratio	Lower	Upper
69	100		
41	82.4	66.6	99.8
39	38.7	30.3	45.5

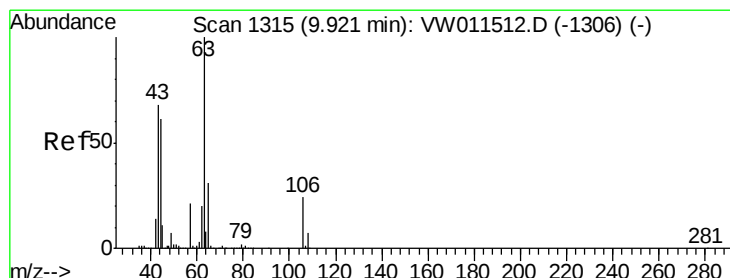
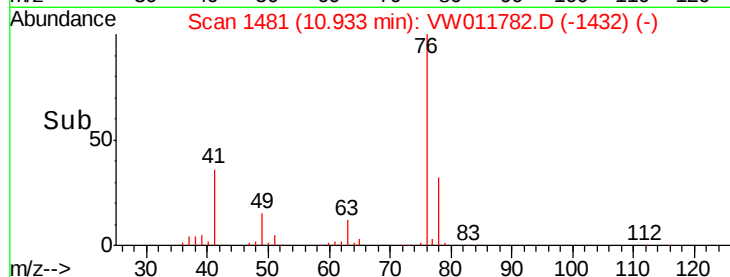
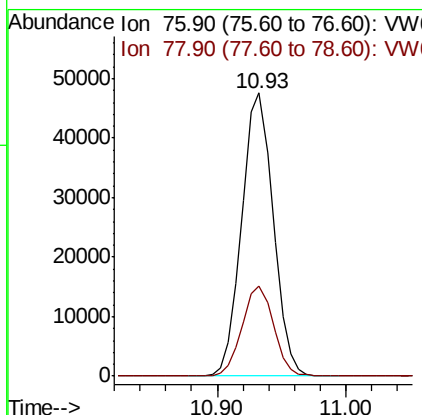
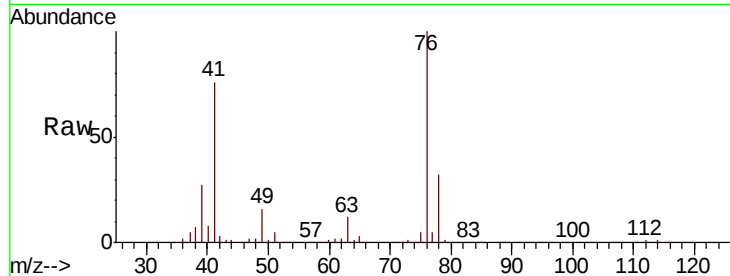




#57
 1,3-Dichloropropane
 Concen: 23.164 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW011782.D
 Acq: 08 Aug 2019 21:37

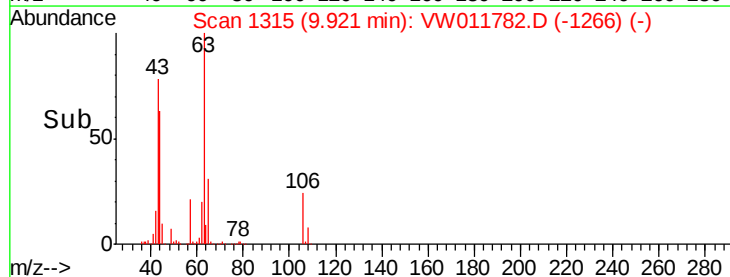
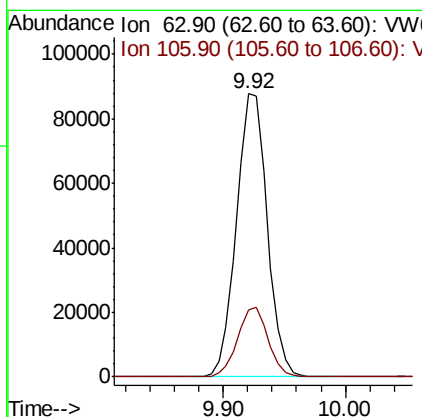
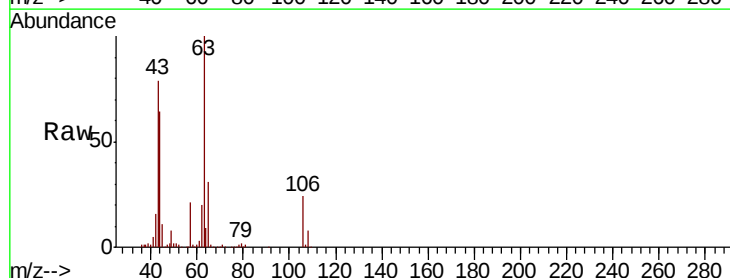
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0810SBS01

Tgt Ion: 76 Resp: 80484
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.2 37.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 125.468 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW011782.D
 Acq: 08 Aug 2019 21:37

Tgt Ion: 63 Resp: 153098
 Ion Ratio Lower Upper
 63 100
 106 24.3 19.7 29.5





#59

2-Hexanone

Concen: 111.027 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW011782.D

Acq: 08 Aug 2019 21:37

Instrument :

MSVOA_W

ClientSampleId :

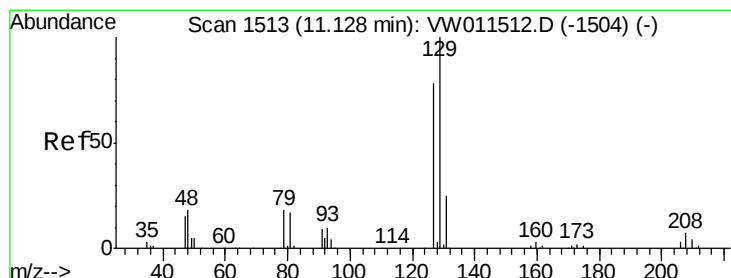
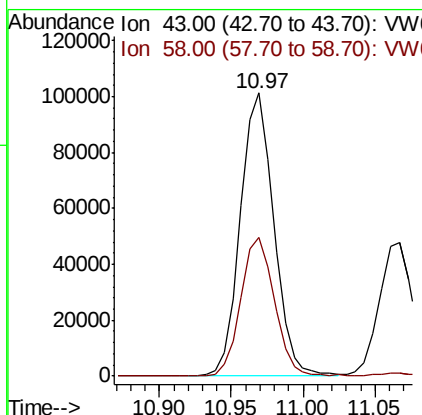
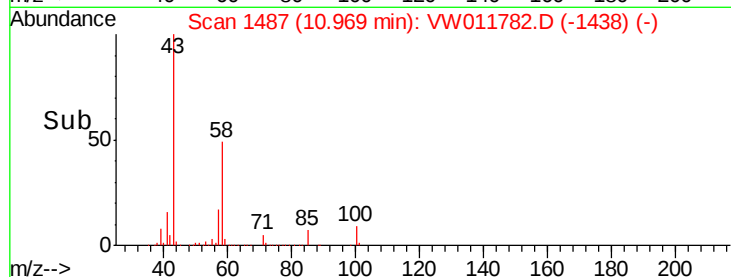
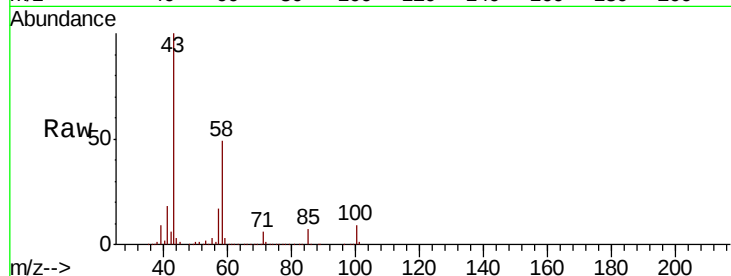
VW0810SBS01

Tgt Ion: 43 Resp: 163253

Ion Ratio Lower Upper

43 100

58 49.4 24.3 72.9



#60

Dibromochloromethane

Concen: 22.264 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW011782.D

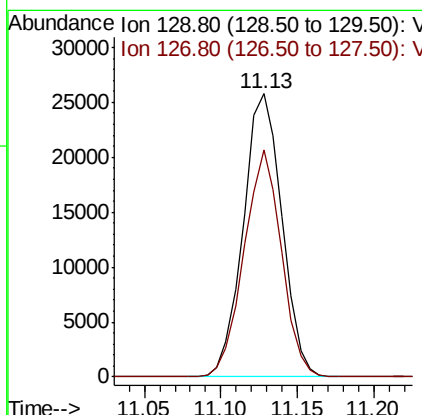
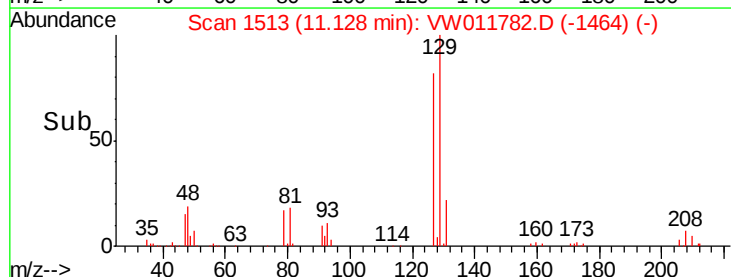
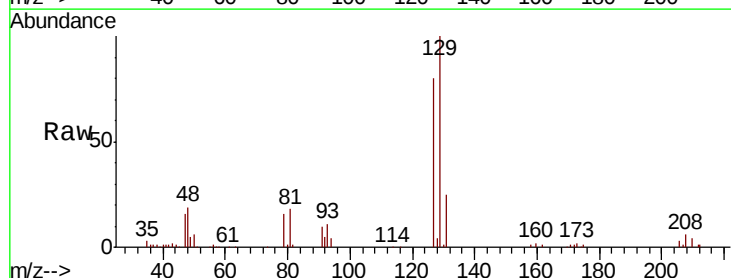
Acq: 08 Aug 2019 21:37

Tgt Ion: 129 Resp: 45387

Ion Ratio Lower Upper

129 100

127 77.6 38.9 116.7





#61

1,2-Dibromoethane

Concen: 22.383 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW011782.D

Acq: 08 Aug 2019 21:37

Instrument :

MSVOA_W

ClientSampleId :

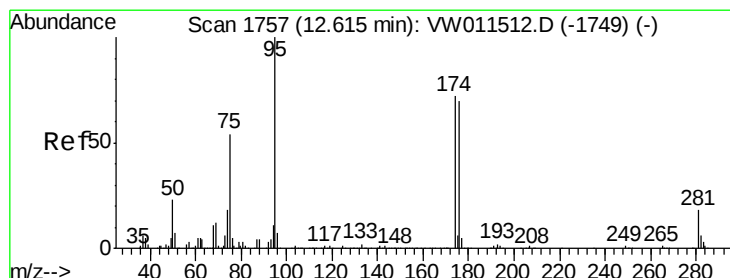
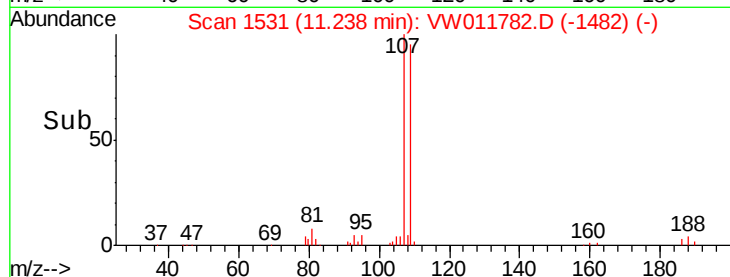
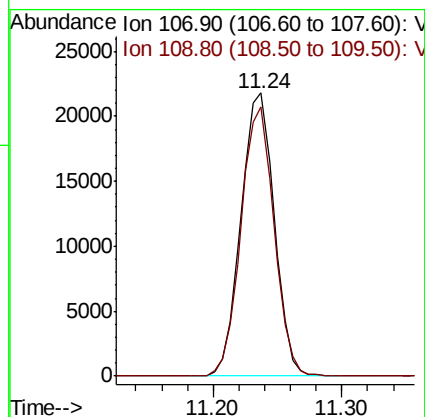
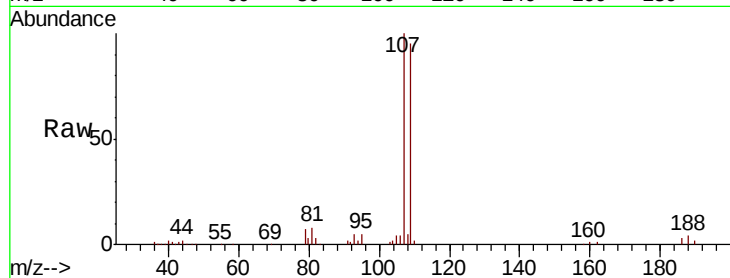
VW0810SBS01

Tgt Ion: 107 Resp: 38901

Ion Ratio Lower Upper

107 100

109 94.7 75.0 112.6



#62

4-Bromofluorobenzene

Concen: 53.629 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW011782.D

Acq: 08 Aug 2019 21:37

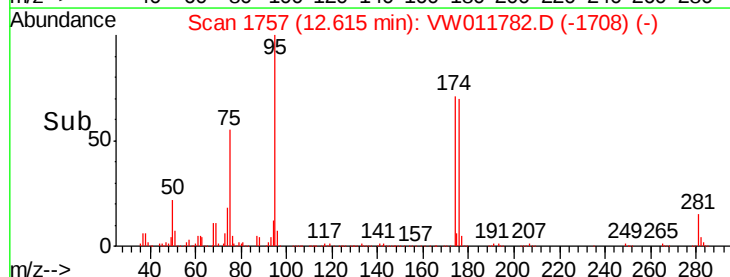
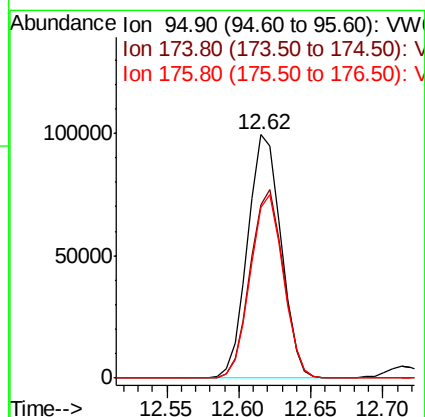
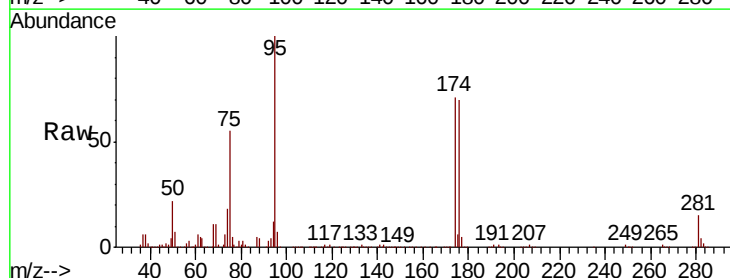
Tgt Ion: 95 Resp: 159819

Ion Ratio Lower Upper

95 100

174 76.7 0.0 150.2

176 74.3 0.0 144.4

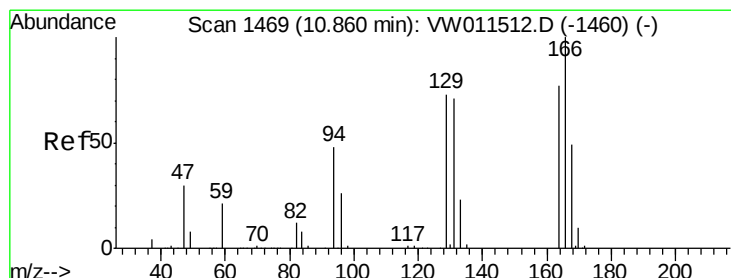
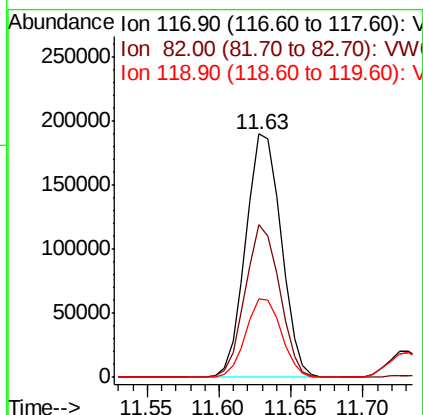
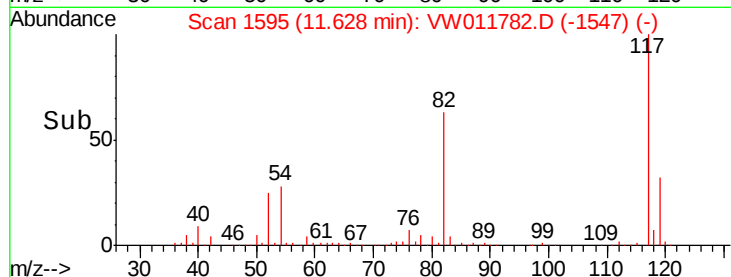
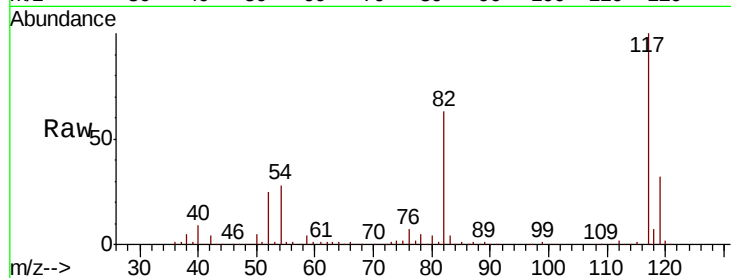




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW011782.D
Acq: 08 Aug 2019 21:37

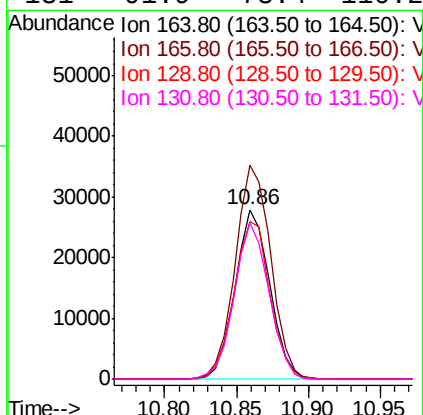
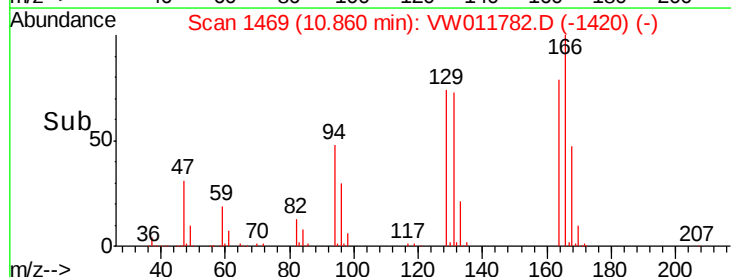
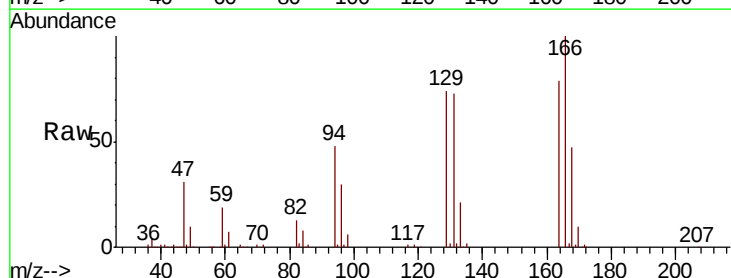
Instrument :
MSVOA_W
ClientSampleId :
VW0810SBS01

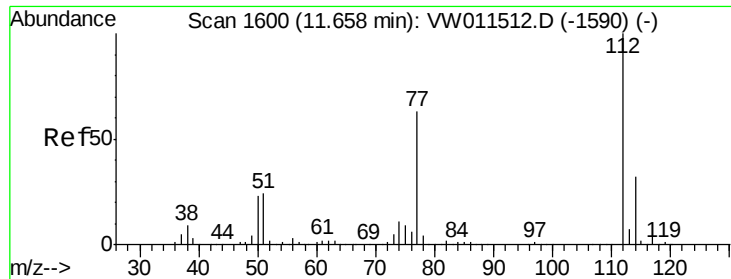
Tgt Ion:117 Resp: 323512
Ion Ratio Lower Upper
117 100
82 62.8 47.9 71.9
119 32.1 26.2 39.2



#64
Tetrachloroethene
Concen: 22.162 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW011782.D
Acq: 08 Aug 2019 21:37

Tgt Ion:164 Resp: 46682
Ion Ratio Lower Upper
164 100
166 126.1 103.5 155.3
129 93.0 75.2 112.8
131 91.9 73.4 110.2

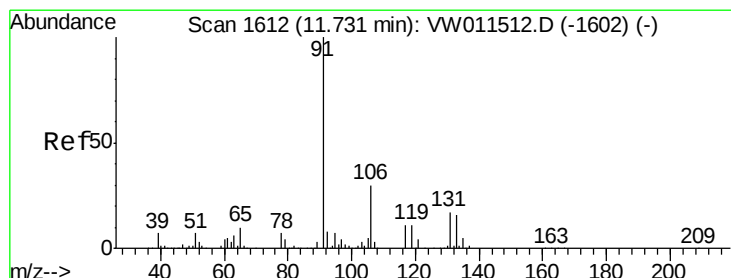
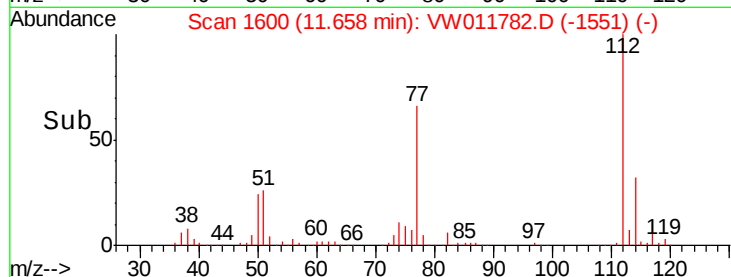
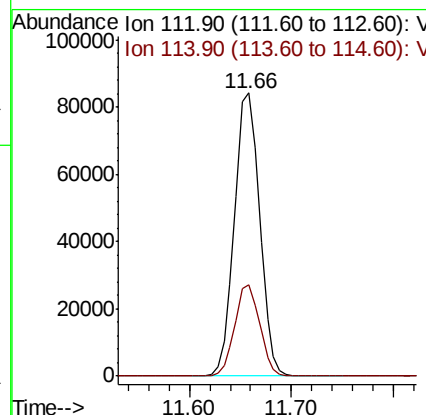
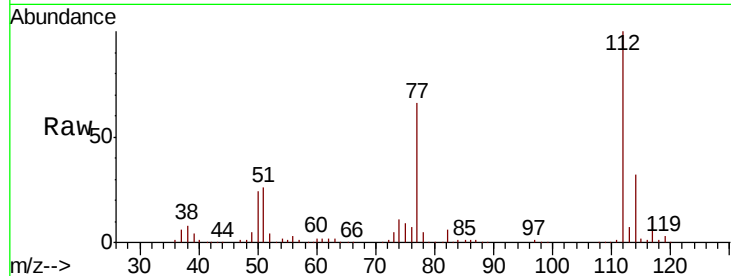




#65
Chlorobenzene
Concen: 22.161 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW011782.D
Acq: 08 Aug 2019 21:37

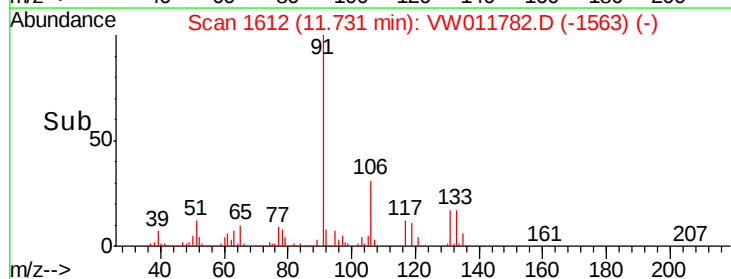
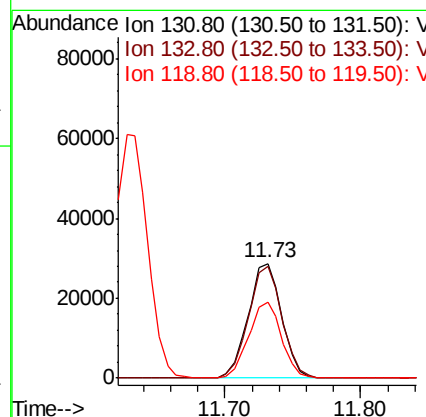
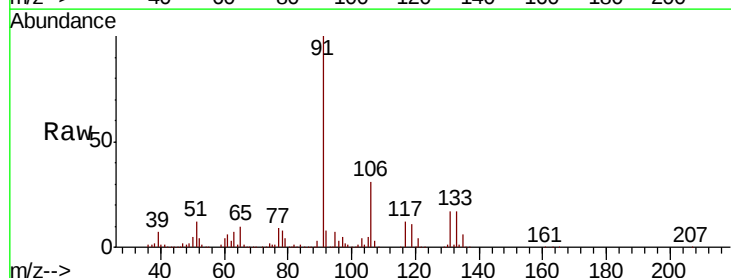
Instrument :
MSVOA_W
ClientSampleId :
VW0810SBS01

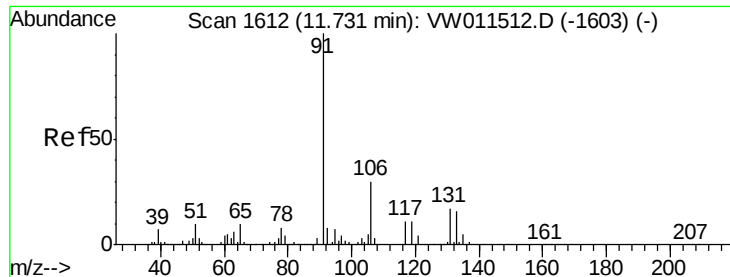
Tgt Ion:112 Resp: 144140
Ion Ratio Lower Upper
112 100
114 32.2 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 21.730 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011782.D
Acq: 08 Aug 2019 21:37

Tgt Ion:131 Resp: 49230
Ion Ratio Lower Upper
131 100
133 98.0 47.4 142.2
119 65.5 32.3 96.9

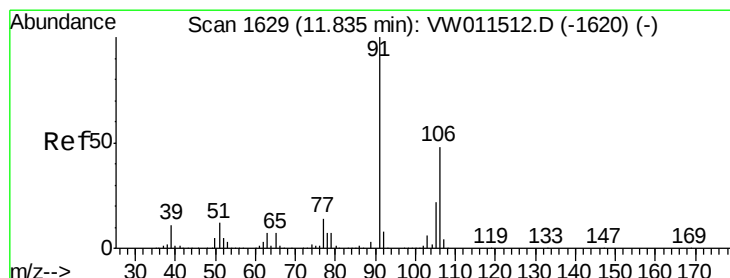
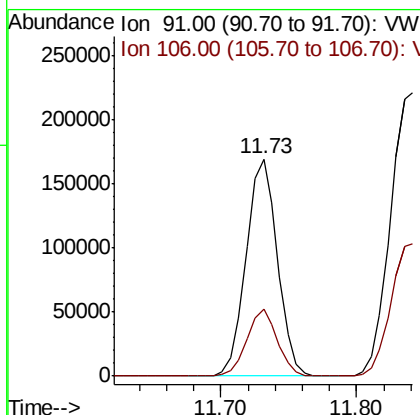
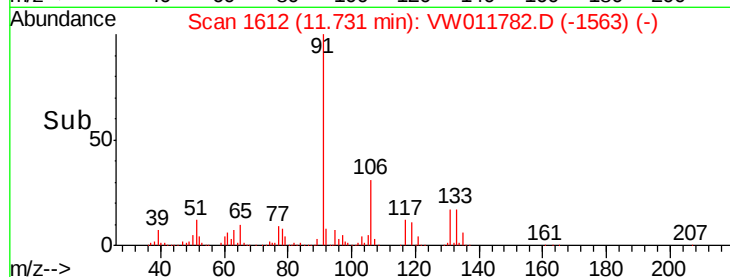
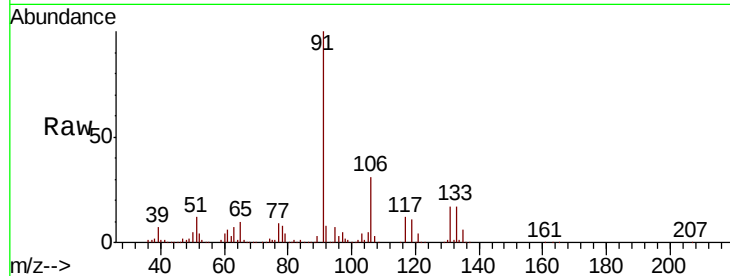




#67
Ethyl Benzene
Concen: 22.072 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011782.D
Acq: 08 Aug 2019 21:37

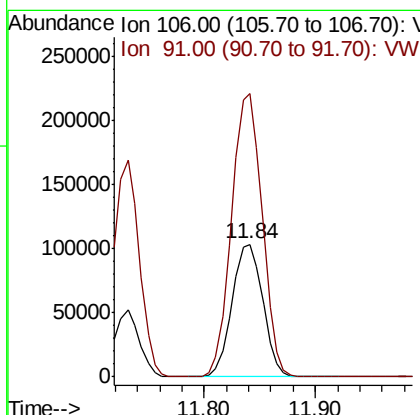
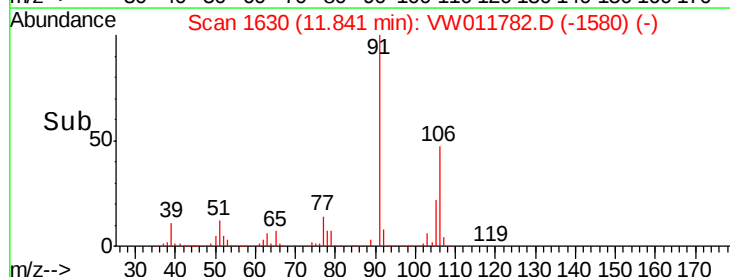
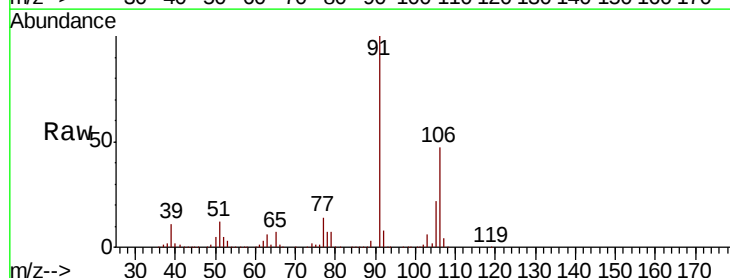
Instrument :
MSVOA_W
ClientSampleId :
VW0810SBS01

Tgt Ion: 91 Resp: 273412
Ion Ratio Lower Upper
91 100
106 30.9 23.8 35.6



#68
m/p-Xylenes
Concen: 44.020 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW011782.D
Acq: 08 Aug 2019 21:37

Tgt Ion: 106 Resp: 198306
Ion Ratio Lower Upper
106 100
91 212.3 168.2 252.2

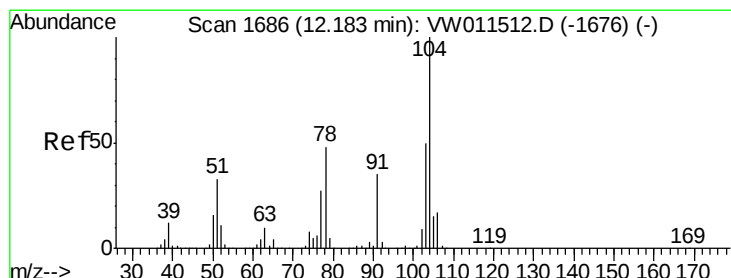
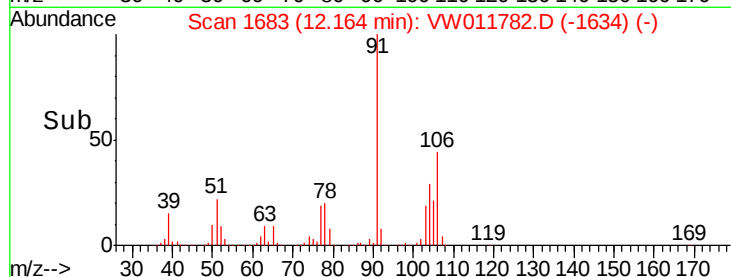
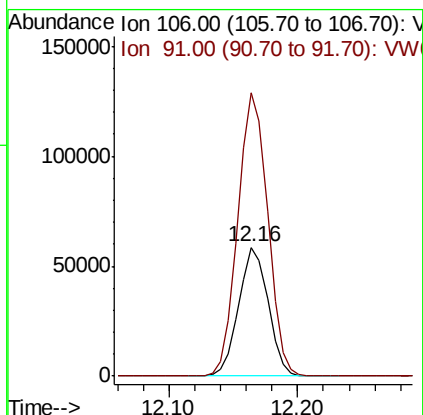
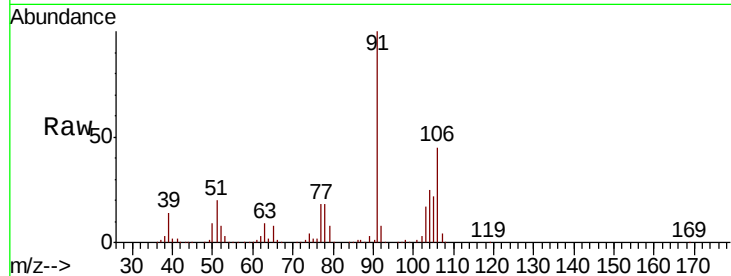




#69
o-Xylene
Concen: 22.187 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011782.D
Acq: 08 Aug 2019 21:37

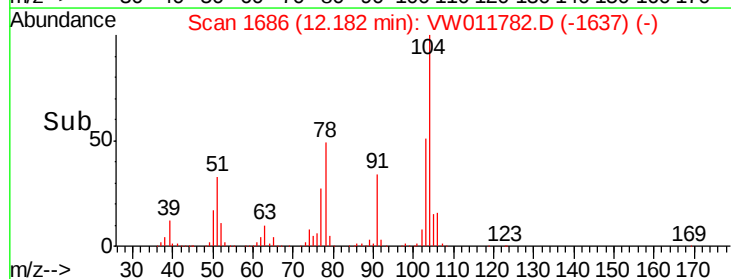
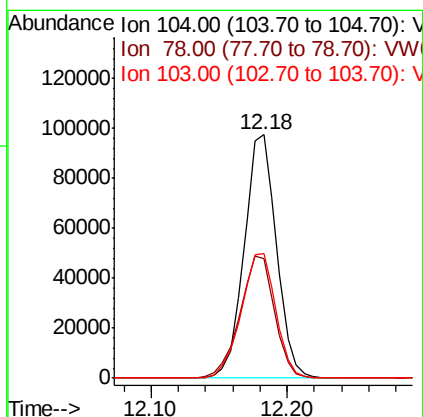
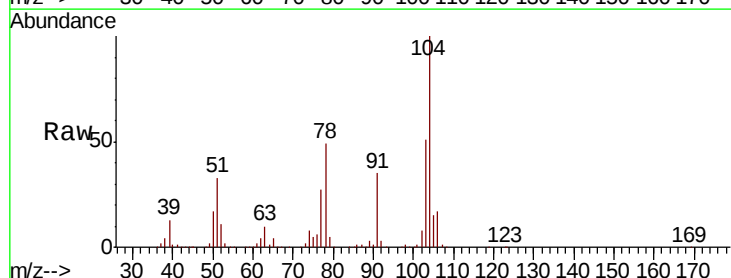
Instrument :
MSVOA_W
ClientSampleId :
VW0810SBS01

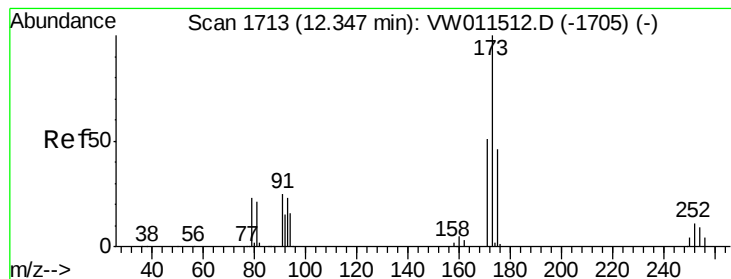
Tgt Ion:106 Resp: 92881
Ion Ratio Lower Upper
106 100
91 223.1 110.5 331.5



#70
Styrene
Concen: 22.349 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011782.D
Acq: 08 Aug 2019 21:37

Tgt Ion:104 Resp: 161763
Ion Ratio Lower Upper
104 100
78 54.0 43.4 65.0
103 55.3 43.9 65.9





#71

Bromoform

Concen: 22.352 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW011782.D

Acq: 08 Aug 2019 21:37

Instrument :

MSVOA_W

ClientSampleId :

VW0810SBS01

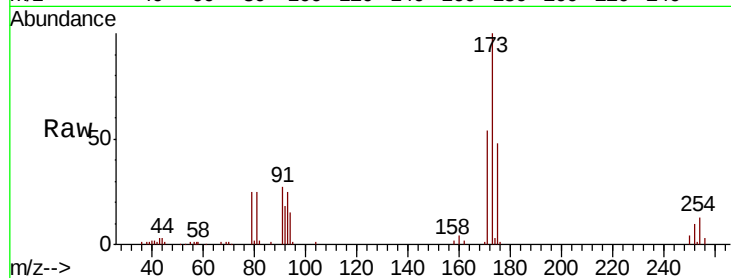
Tgt Ion:173 Resp: 25819

Ion Ratio Lower Upper

173 100

175 47.7 23.6 71.0

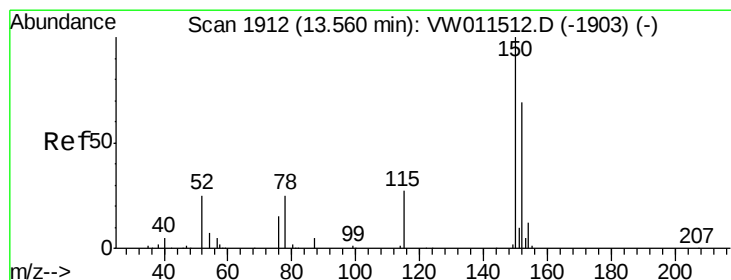
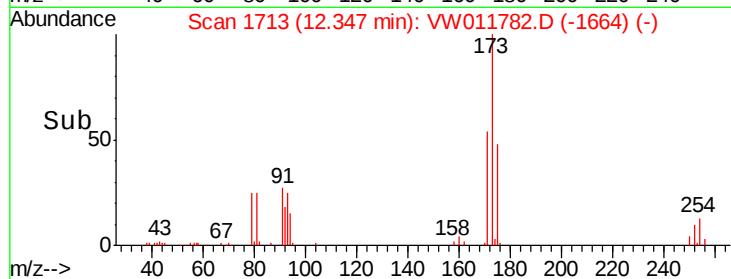
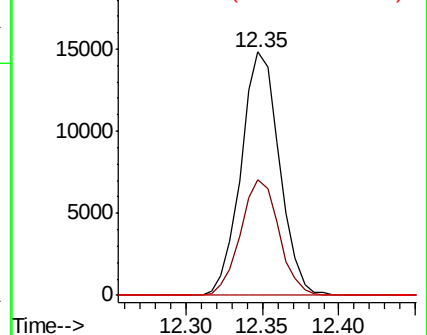
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW011782.D

Acq: 08 Aug 2019 21:37

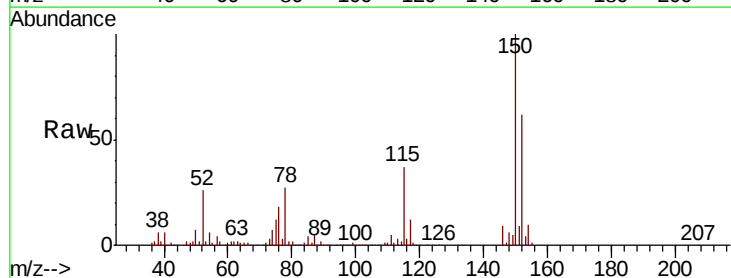
Tgt Ion:152 Resp: 156958

Ion Ratio Lower Upper

152 100

115 60.4 30.5 91.5

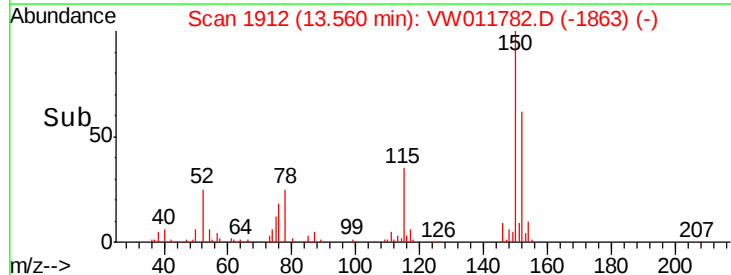
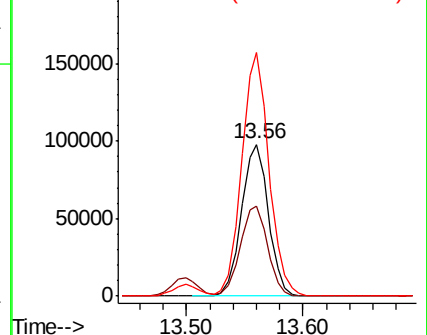
150 162.7 0.0 352.6

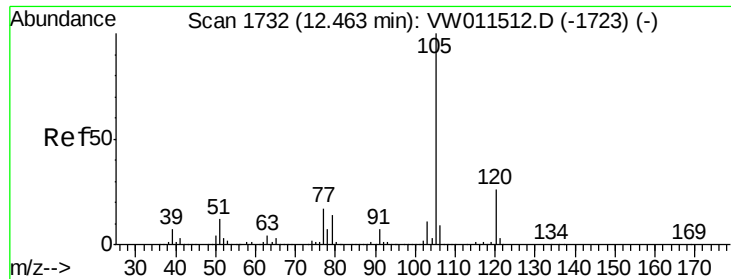


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.168 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW011782.D

Acq: 08 Aug 2019 21:37

Instrument :

MSVOA_W

ClientSampleId :

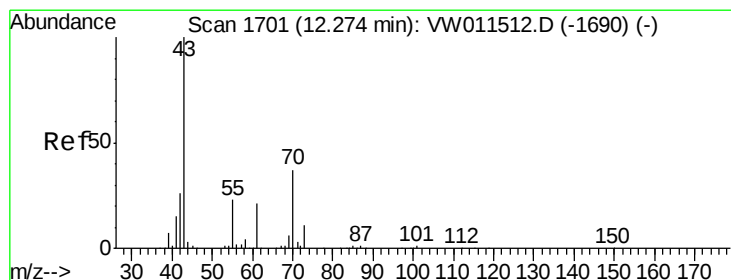
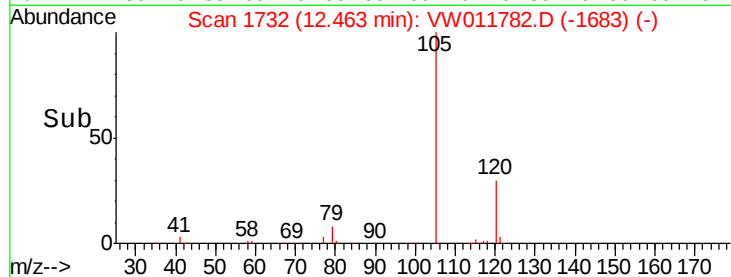
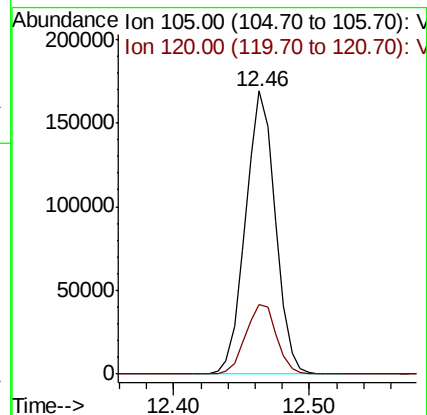
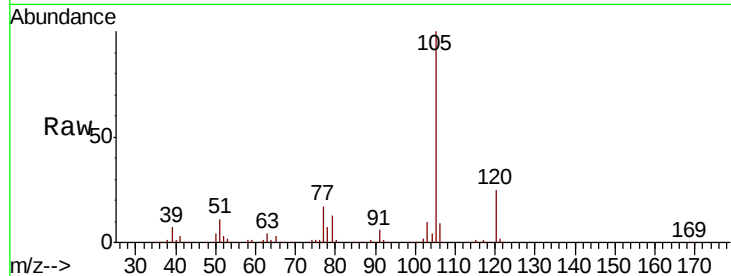
VW0810SBS01

Tgt Ion: 105 Resp: 259579

Ion Ratio Lower Upper

105 100

120 25.4 12.9 38.7



#74

N-ethyl acetate

Concen: 22.977 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW011782.D

Acq: 08 Aug 2019 21:37

Tgt Ion: 43 Resp: 84231

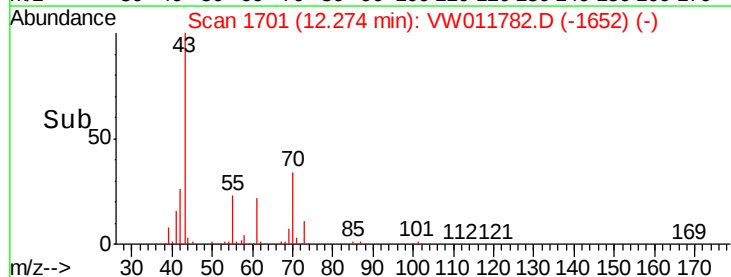
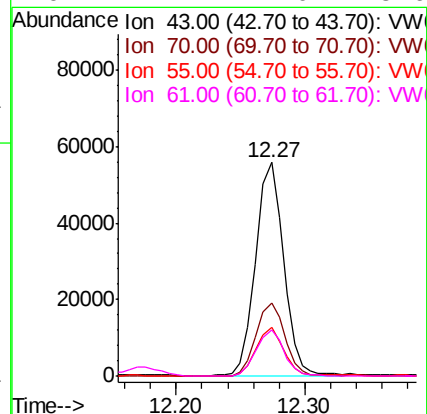
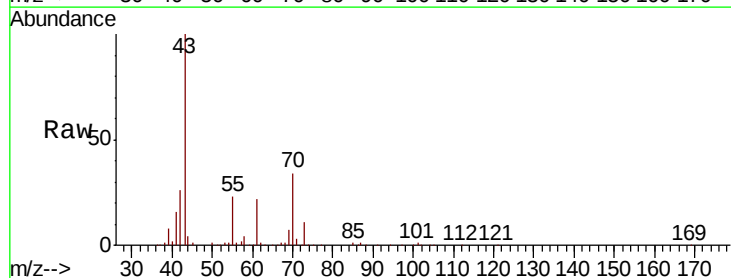
Ion Ratio Lower Upper

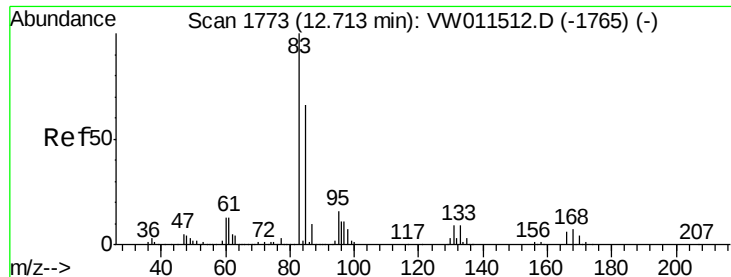
43 100

70 35.3 28.6 43.0

55 22.6 17.8 26.8

61 21.2 17.0 25.6





#75

1,1,2,2-Tetrachloroethane

Concen: 22.831 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011782.D

Acq: 08 Aug 2019 21:37

Instrument :

MSVOA_W

ClientSampleId :

VW0810SBS01

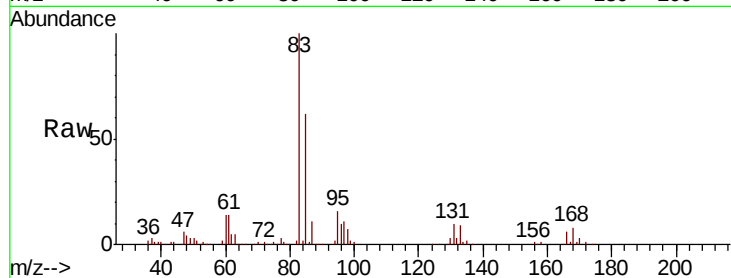
Tgt Ion: 83 Resp: 50287

Ion Ratio Lower Upper

83 100

131 9.9 4.9 14.6

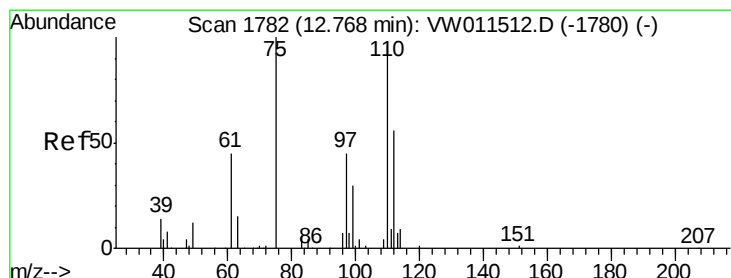
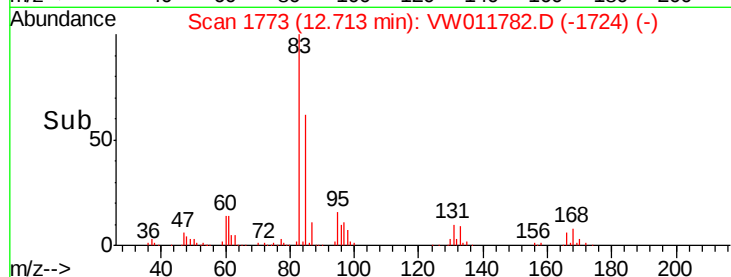
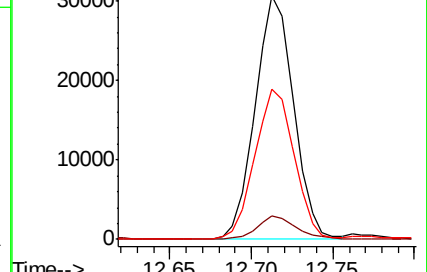
85 63.1 31.8 95.4



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 39.854 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW011782.D

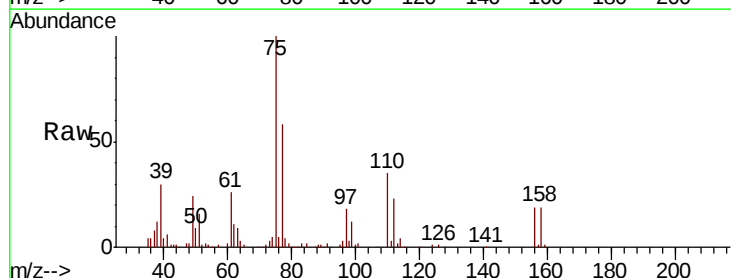
Acq: 08 Aug 2019 21:37

Tgt Ion: 75 Resp: 66189

Ion Ratio Lower Upper

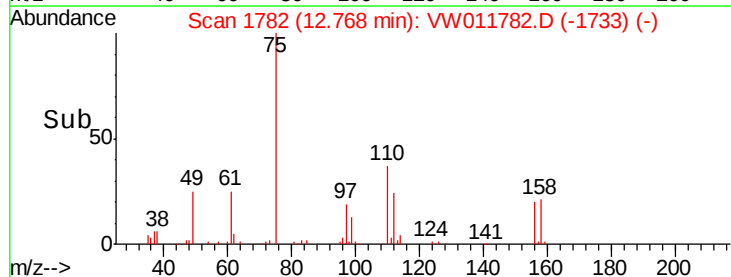
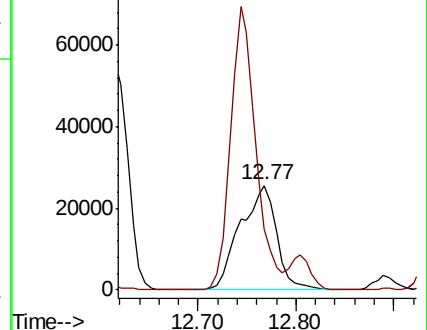
75 100

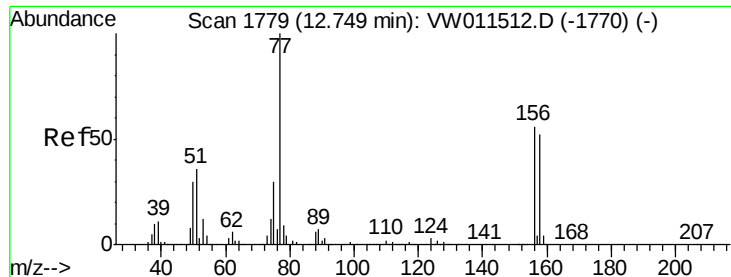
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

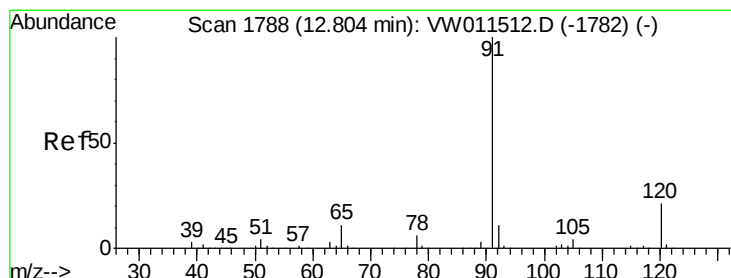
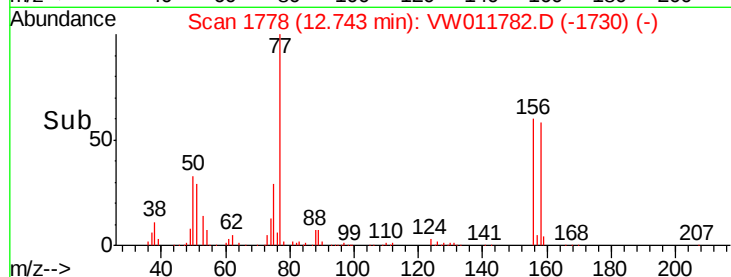
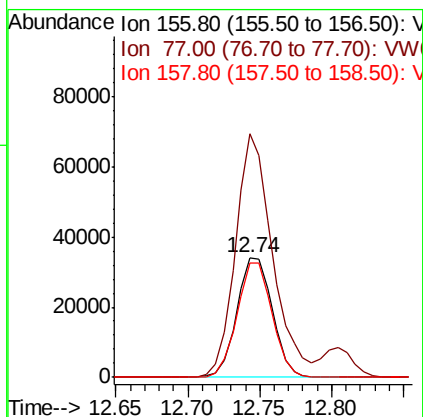
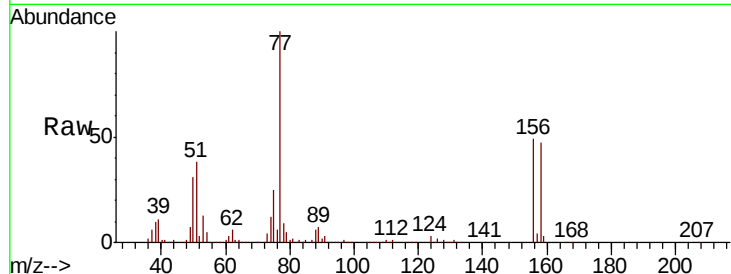




#77
Bromobenzene
Concen: 22.484 ug/l
RT: 12.74 min Scan# 1778
Delta R.T. -0.01 min
Lab File: VW011782.D
Acq: 08 Aug 2019 21:37

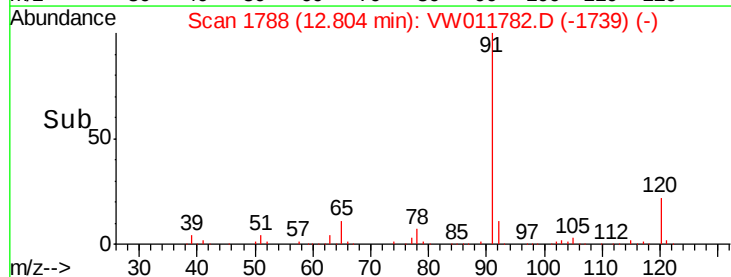
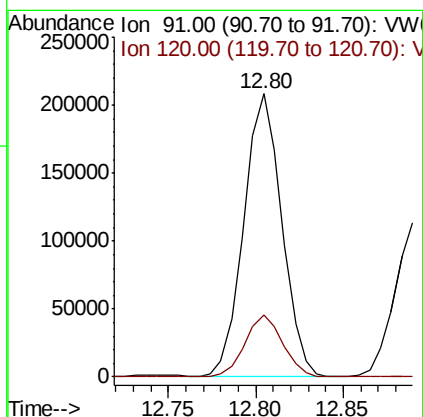
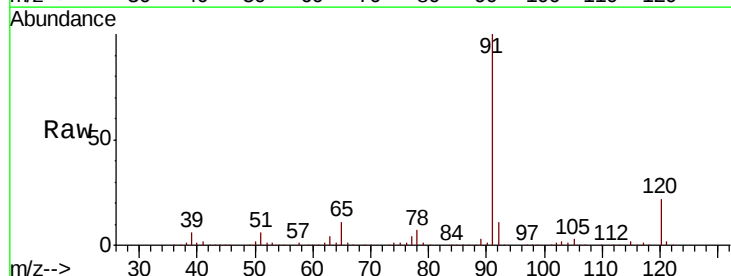
Instrument :
MSVOA_W
ClientSampled :
VW0810SBS01

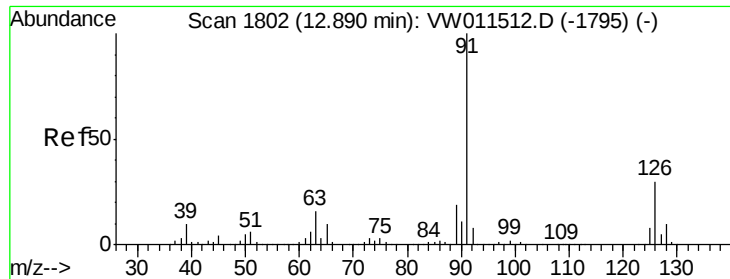
Tgt Ion: 156 Resp: 58192
Ion Ratio Lower Upper
156 100
77 213.3 106.5 319.4
158 94.7 48.0 144.2



#78
n-propylbenzene
Concen: 21.993 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW011782.D
Acq: 08 Aug 2019 21:37

Tgt Ion: 91 Resp: 313412
Ion Ratio Lower Upper
91 100
120 21.7 10.9 32.7





#79

2-Chlorotoluene

Concen: 22.267 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW011782.D

Acq: 08 Aug 2019 21:37

Instrument :

MSVOA_W

ClientSampleId :

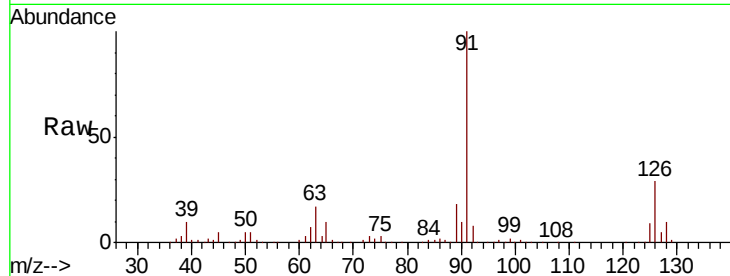
VW0810SBS01

Tgt Ion: 91 Resp: 182803

Ion Ratio Lower Upper

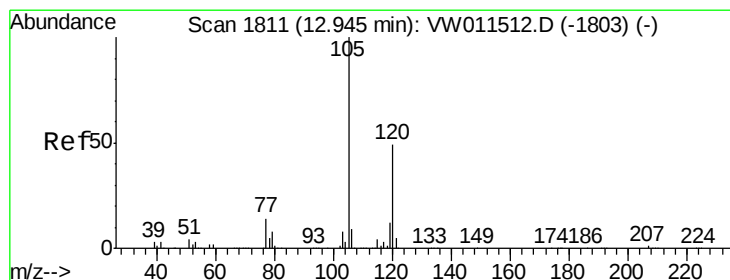
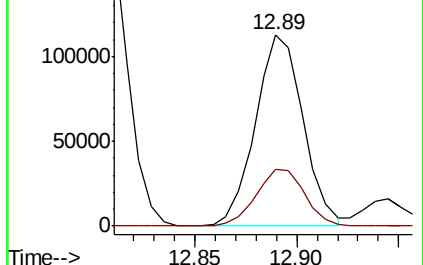
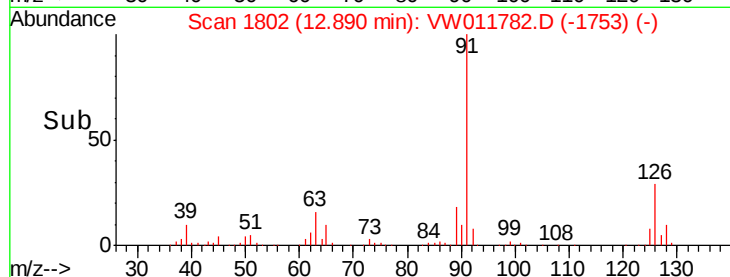
91 100

126 30.5 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: 22.472 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW011782.D

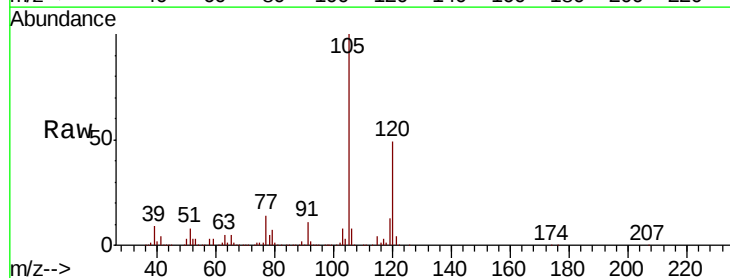
Acq: 08 Aug 2019 21:37

Tgt Ion: 105 Resp: 220576

Ion Ratio Lower Upper

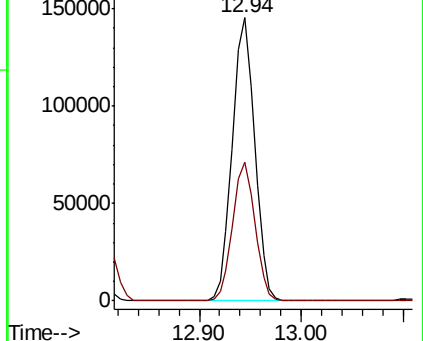
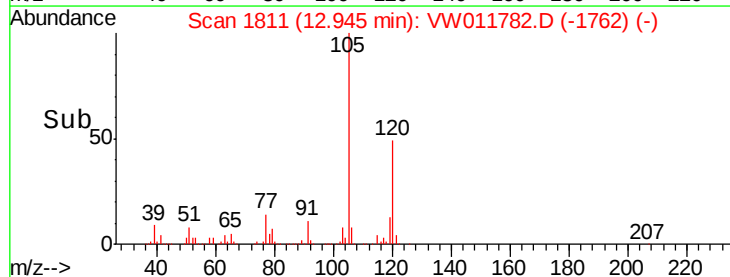
105 100

120 49.0 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: 21.595 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW011782.D

Acq: 08 Aug 2019 21:37

Instrument :

MSVOA_W

ClientSampleId :

VW0810SBS01

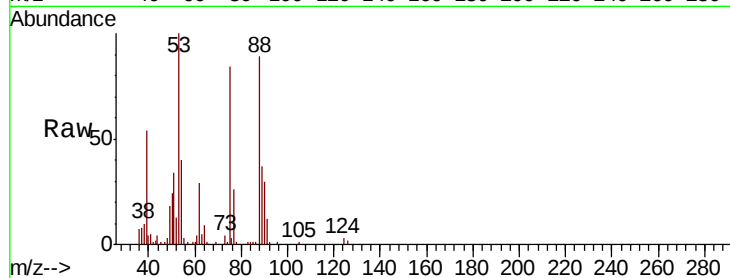
Tgt Ion: 75 Resp: 15562

Ion Ratio Lower Upper

75 100

53 112.2 88.0 132.0

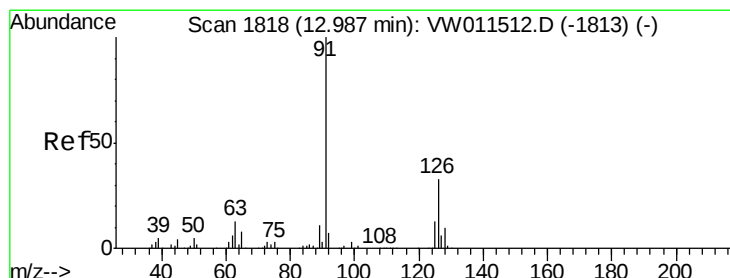
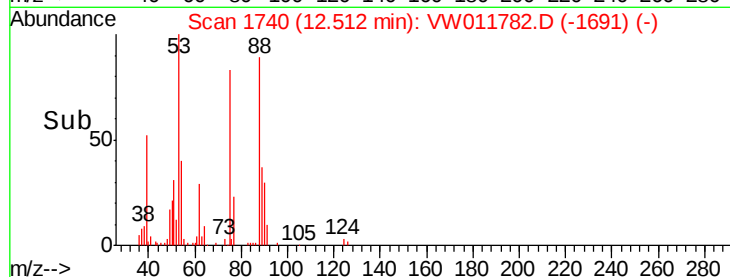
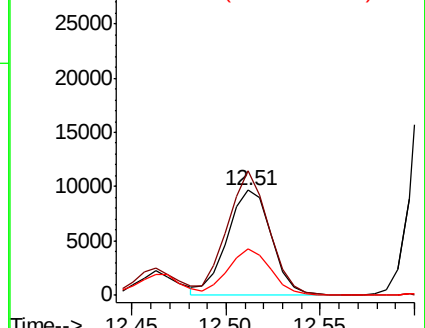
89 43.3 35.3 52.9



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 22.317 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW011782.D

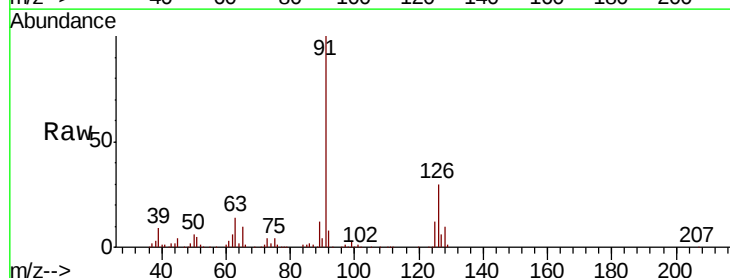
Acq: 08 Aug 2019 21:37

Tgt Ion: 91 Resp: 192230

Ion Ratio Lower Upper

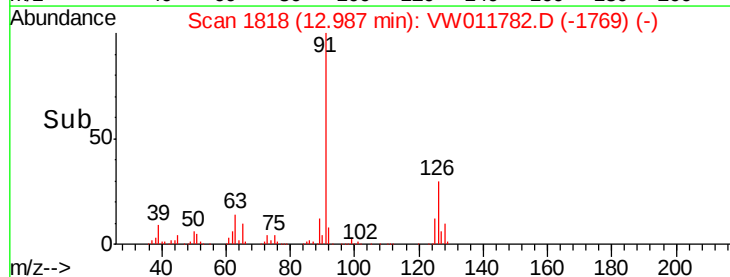
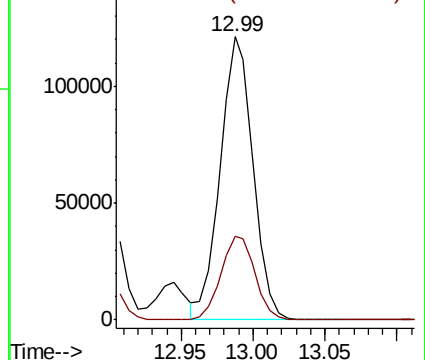
91 100

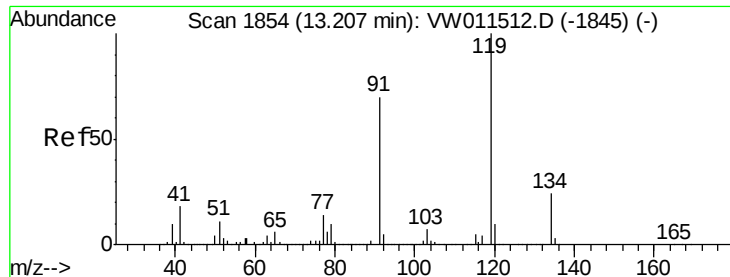
126 31.0 15.6 46.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): VW

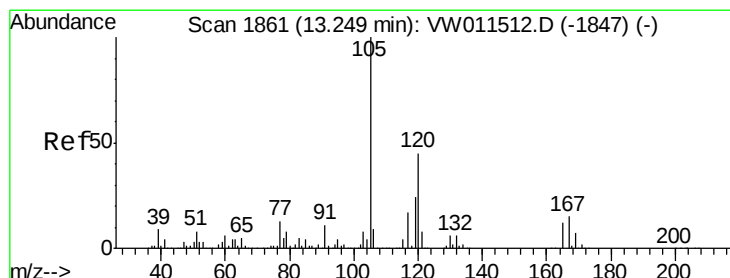
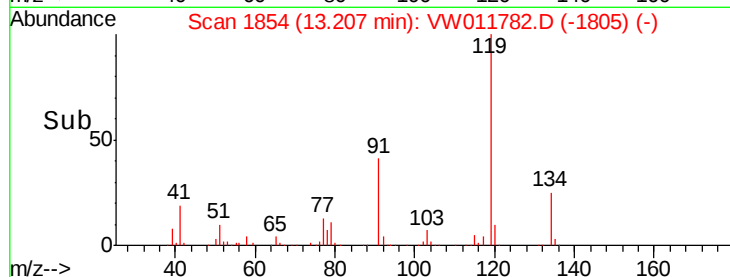
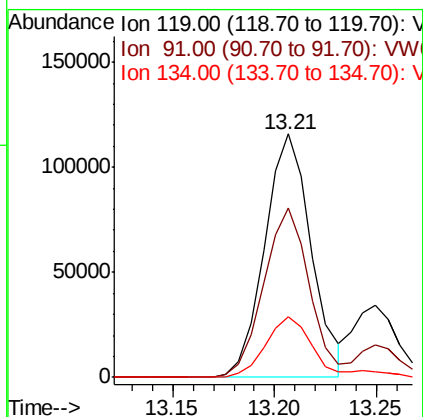
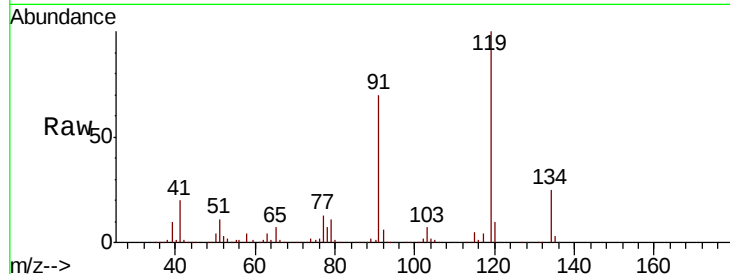




#83
 tert-Butylbenzene
 Concen: 22.422 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW011782.D
 Acq: 08 Aug 2019 21:37

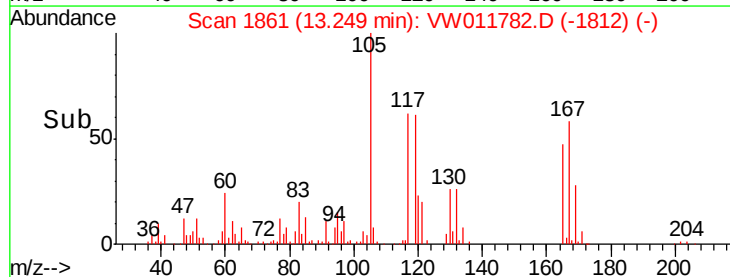
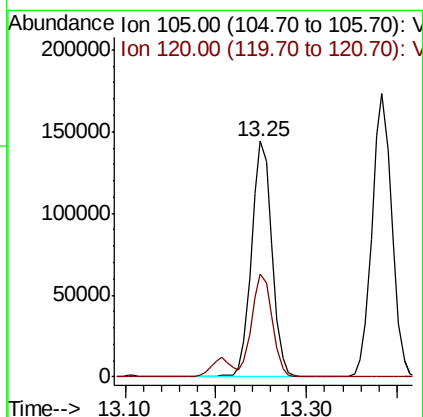
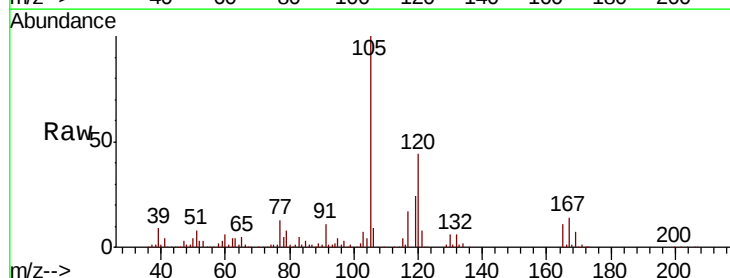
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0810SBS01

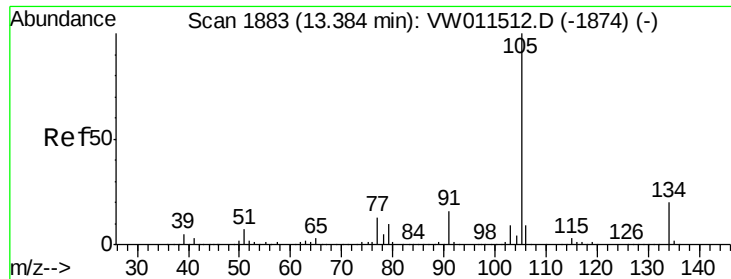
Tgt Ion:119 Resp: 184044
 Ion Ratio Lower Upper
 119 100
 91 68.2 34.5 103.6
 134 24.5 12.4 37.4



#84
 1,2,4-Trimethylbenzene
 Concen: 22.646 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW011782.D
 Acq: 08 Aug 2019 21:37

Tgt Ion:105 Resp: 223917
 Ion Ratio Lower Upper
 105 100
 120 43.5 22.1 66.5

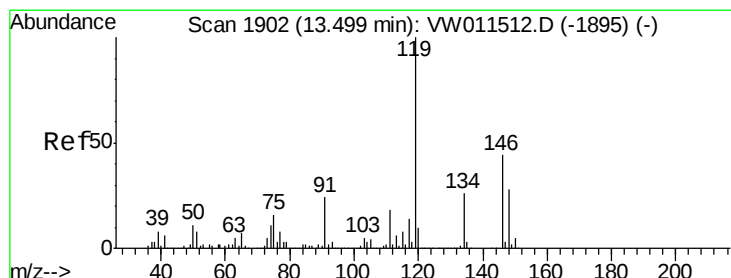
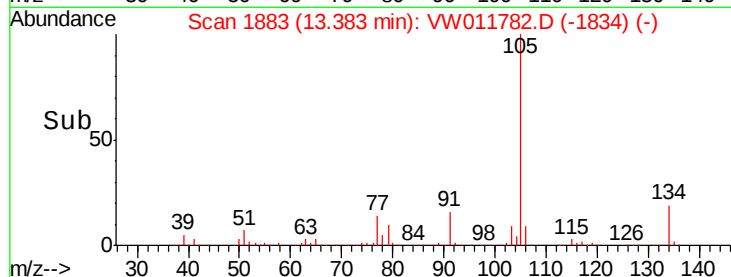
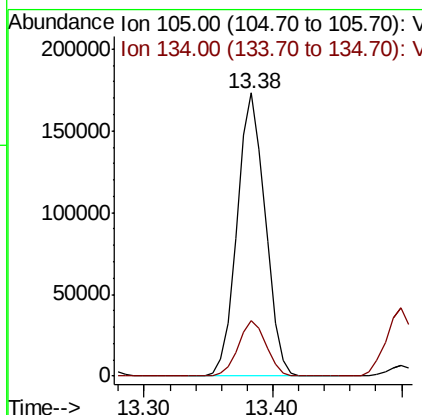
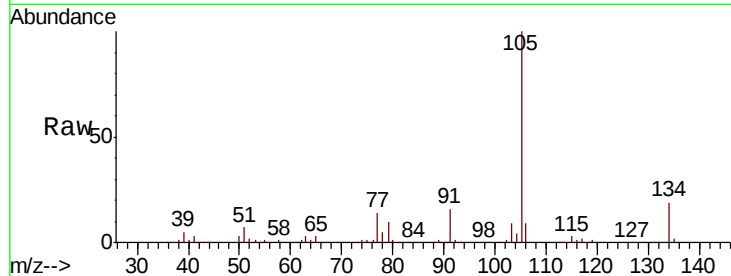




#85
 sec-Butylbenzene
 Concen: 22.375 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW011782.D
 Acq: 08 Aug 2019 21:37

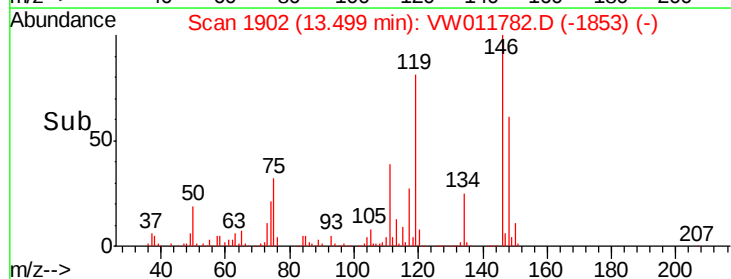
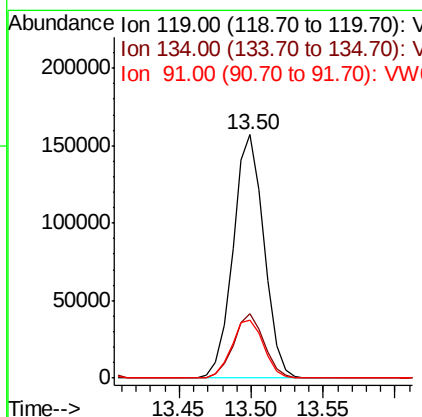
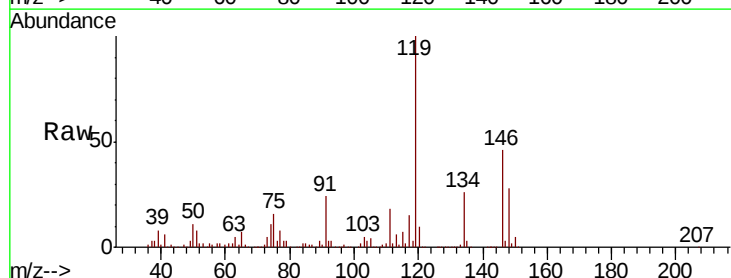
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0810SBS01

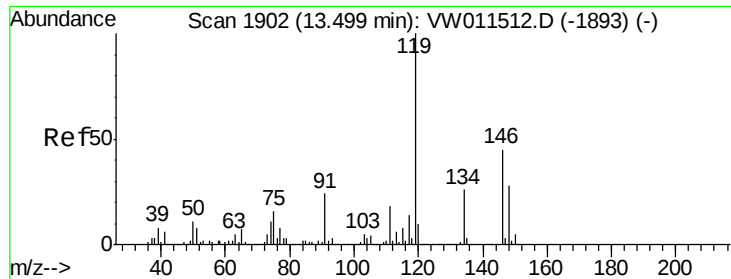
Tgt Ion:105 Resp: 262049
 Ion Ratio Lower Upper
 105 100
 134 19.3 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 22.003 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011782.D
 Acq: 08 Aug 2019 21:37

Tgt Ion:119 Resp: 233810
 Ion Ratio Lower Upper
 119 100
 134 26.1 12.8 38.4
 91 24.7 12.1 36.3

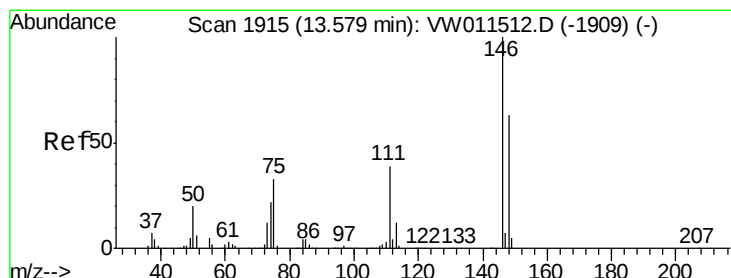
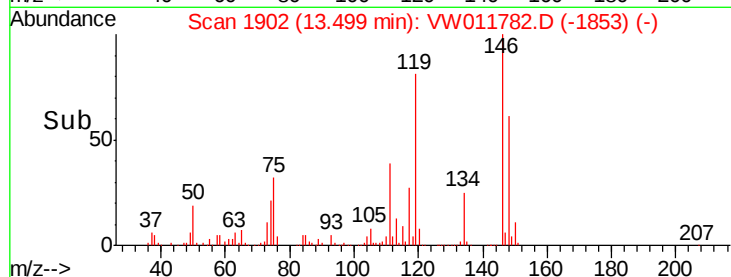
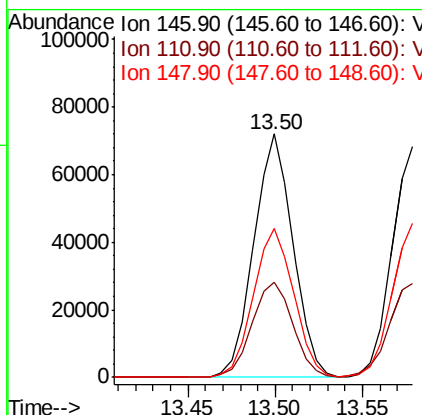
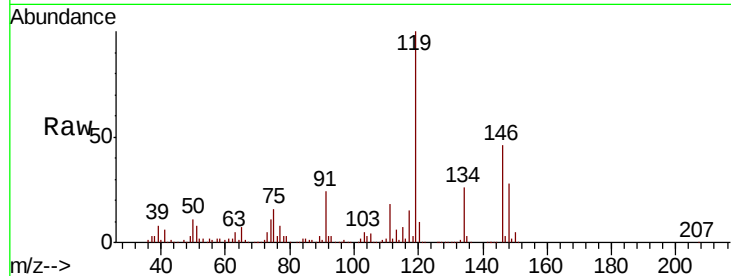




#87
 1,3-Dichlorobenzene
 Concen: 22.069 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011782.D
 Acq: 08 Aug 2019 21:37

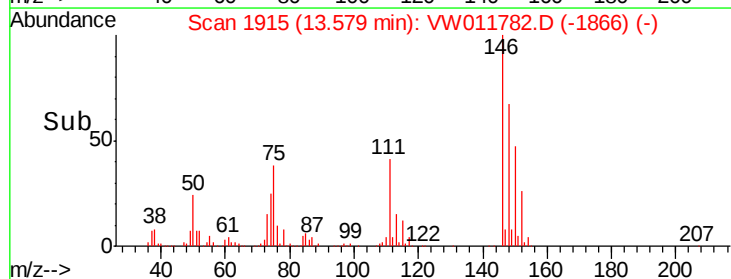
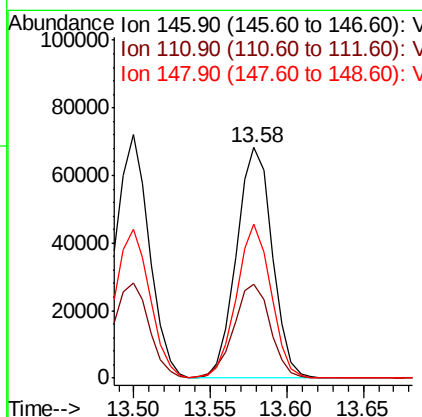
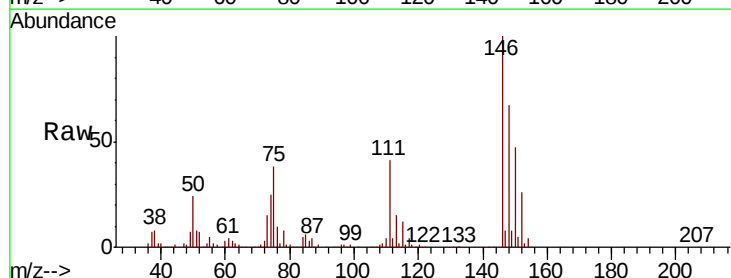
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0810SBS01

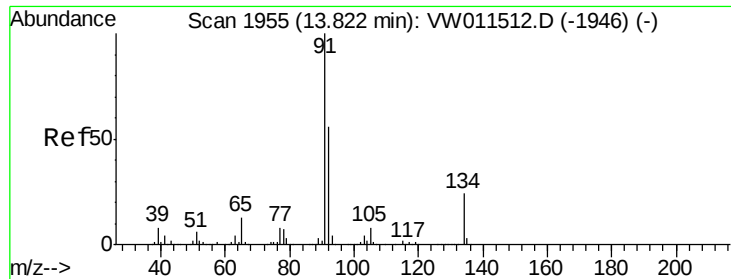
Tgt Ion:146 Resp: 111995
 Ion Ratio Lower Upper
 146 100
 111 40.9 20.5 61.6
 148 63.0 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 21.857 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW011782.D
 Acq: 08 Aug 2019 21:37

Tgt Ion:146 Resp: 110340
 Ion Ratio Lower Upper
 146 100
 111 42.0 20.1 60.2
 148 64.6 31.9 95.9





#89

n-Butylbenzene

Concen: 21.742 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW011782.D

Acq: 08 Aug 2019 21:37

Instrument :

MSVOA_W

ClientSampleId :

VW0810SBS01

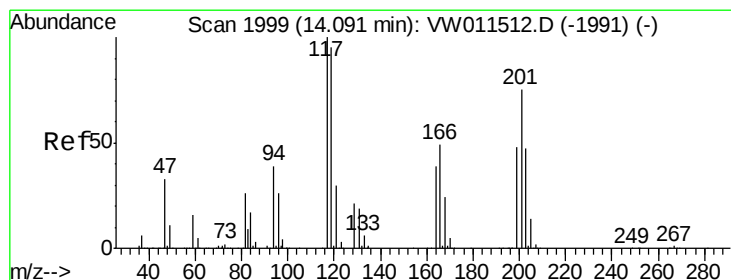
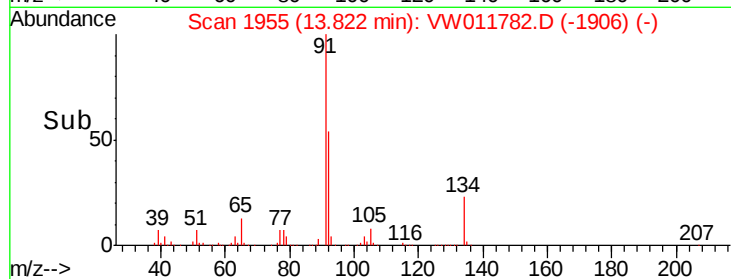
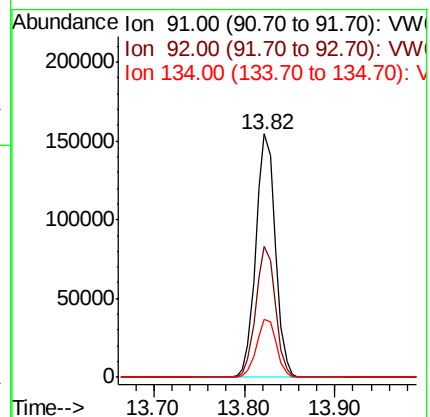
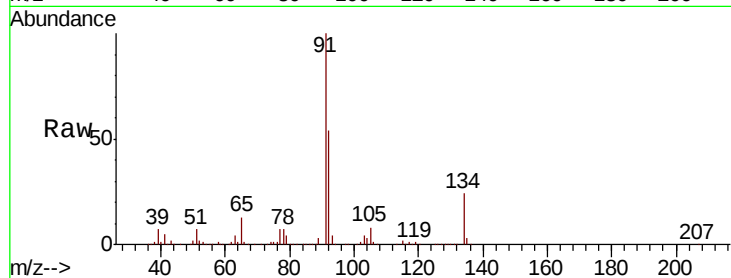
Tgt Ion: 91 Resp: 230567

Ion Ratio Lower Upper

91 100

92 53.8 27.5 82.4

134 24.2 12.2 36.6



#90

Hexachloroethane

Concen: 21.818 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW011782.D

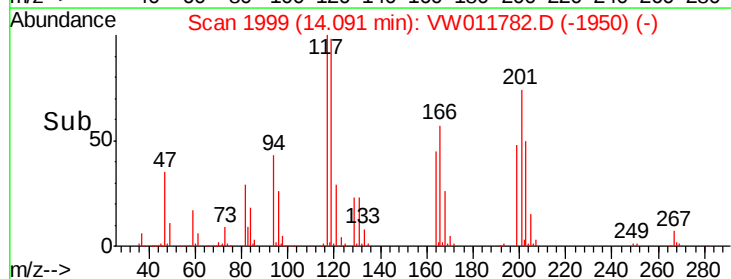
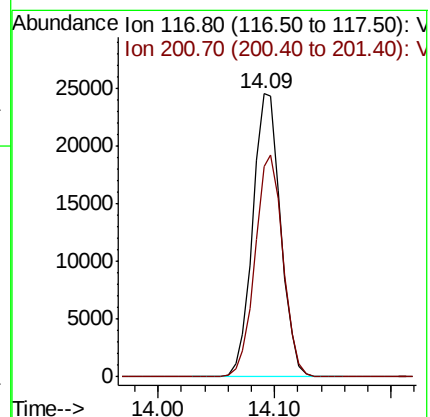
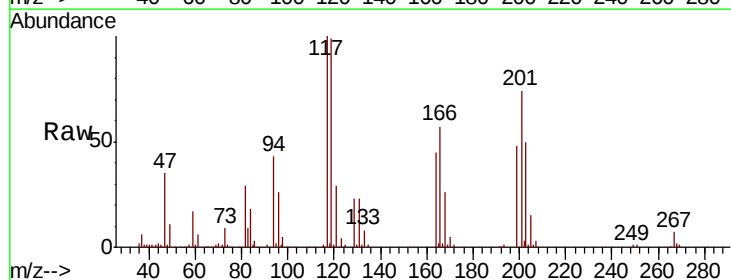
Acq: 08 Aug 2019 21:37

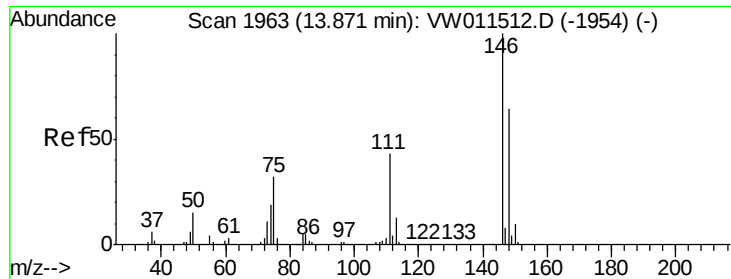
Tgt Ion: 117 Resp: 40997

Ion Ratio Lower Upper

117 100

201 78.5 39.4 118.2

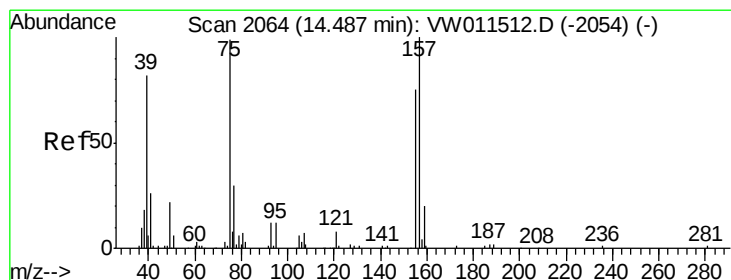
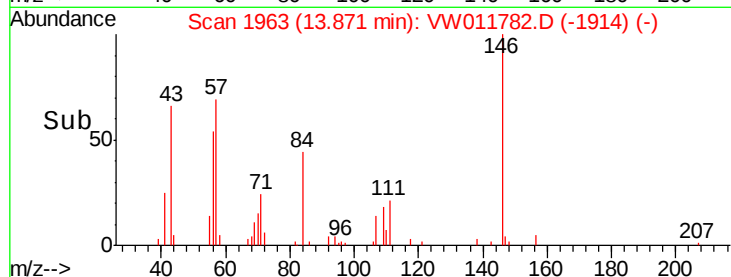
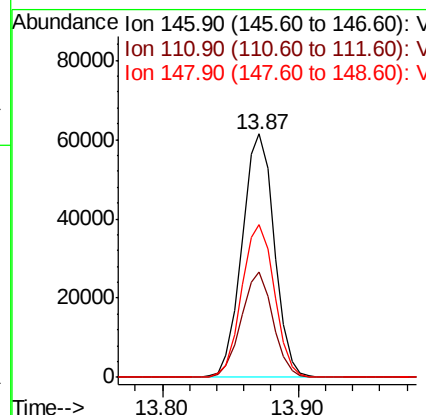
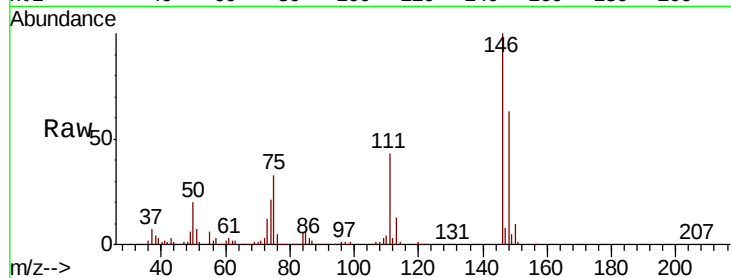




#91
 1,2-Dichlorobenzene
 Concen: 22.663 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW011782.D
 Acq: 08 Aug 2019 21:37

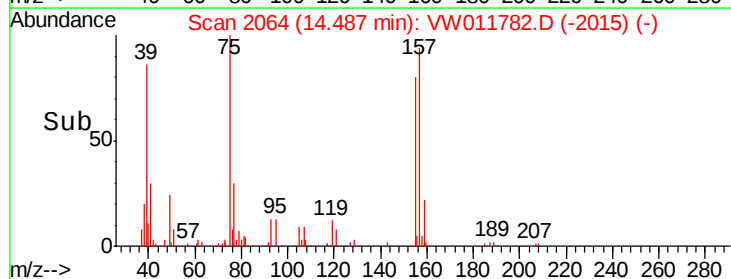
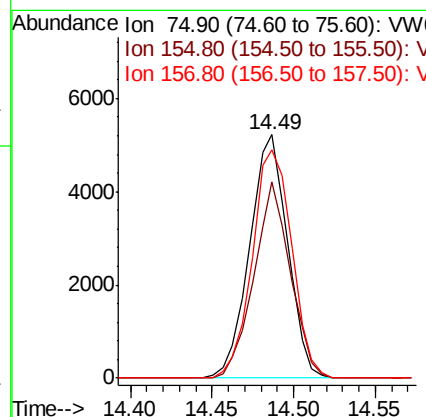
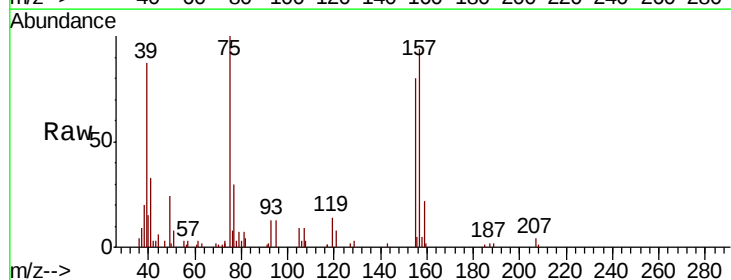
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0810SBS01

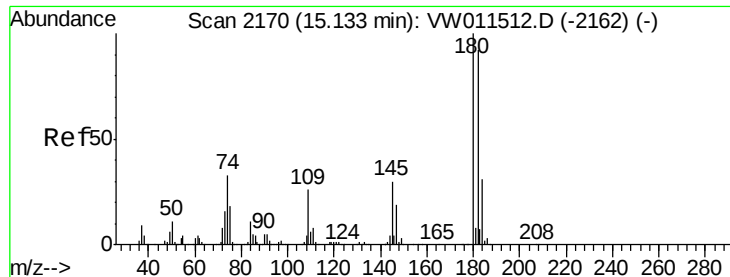
Tgt Ion:146 Resp: 101719
 Ion Ratio Lower Upper
 146 100
 111 42.3 21.6 65.0
 148 63.5 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.519 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW011782.D
 Acq: 08 Aug 2019 21:37

Tgt Ion: 75 Resp: 8458
 Ion Ratio Lower Upper
 75 100
 155 77.3 38.2 114.6
 157 97.6 48.9 146.7

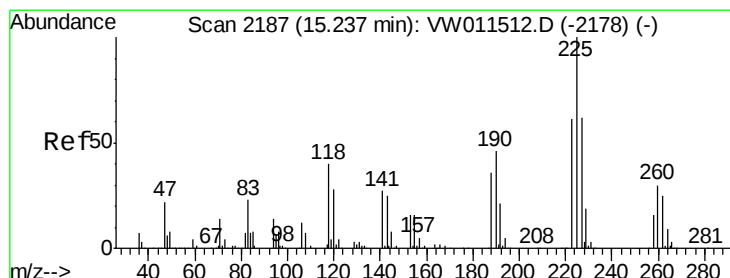
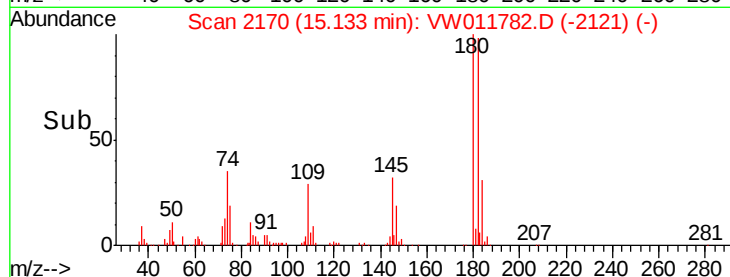
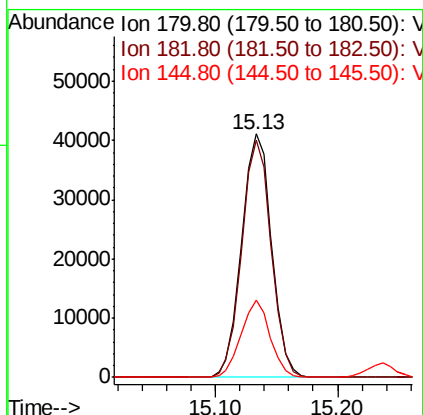
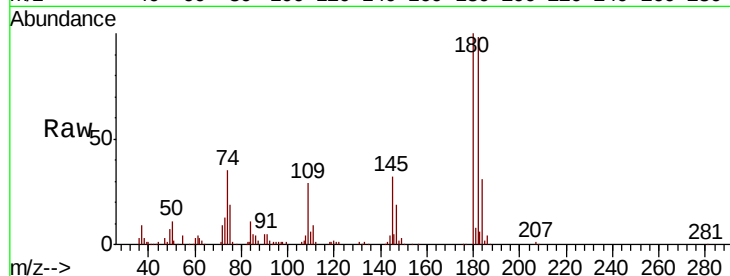




#93
 1,2,4-Trichlorobenzene
 Concen: 22.051 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW011782.D
 Acq: 08 Aug 2019 21:37

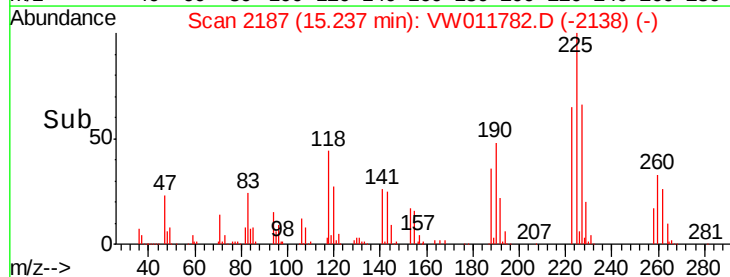
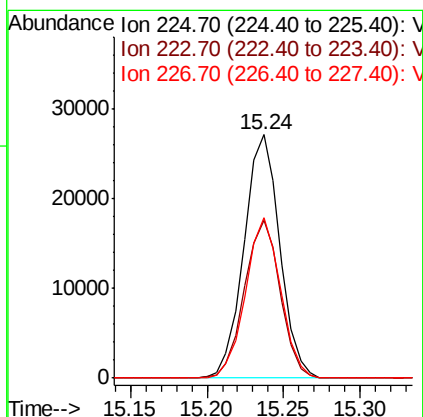
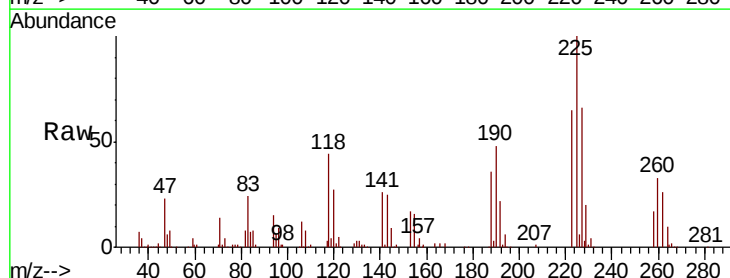
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0810SBS01

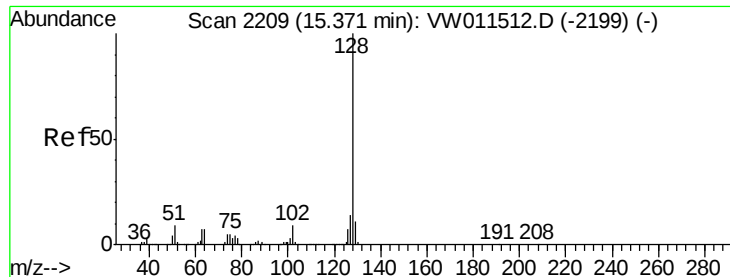
Tgt Ion:180 Resp: 69754
 Ion Ratio Lower Upper
 180 100
 182 95.8 47.4 142.2
 145 30.8 15.4 46.1



#94
 Hexachlorobutadiene
 Concen: 22.383 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW011782.D
 Acq: 08 Aug 2019 21:37

Tgt Ion:225 Resp: 44154
 Ion Ratio Lower Upper
 225 100
 223 64.8 30.8 92.3
 227 64.4 31.6 94.7

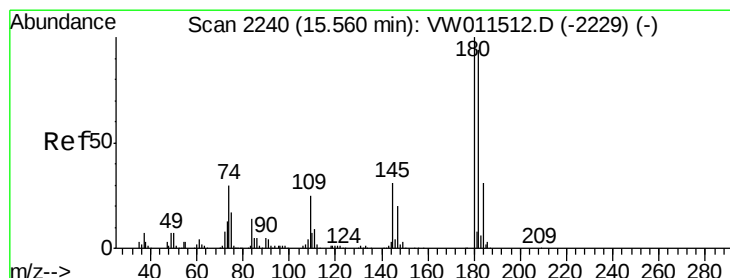
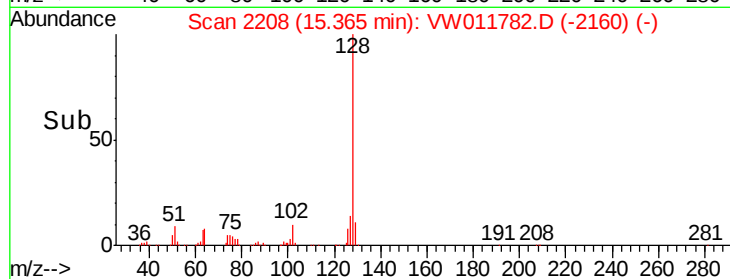
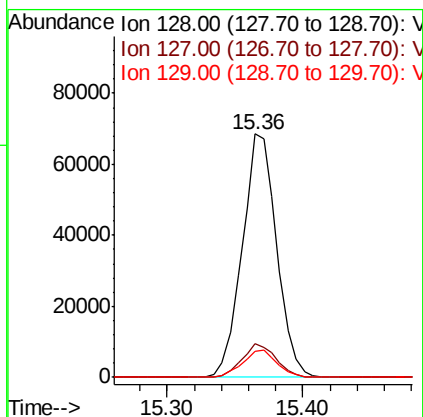
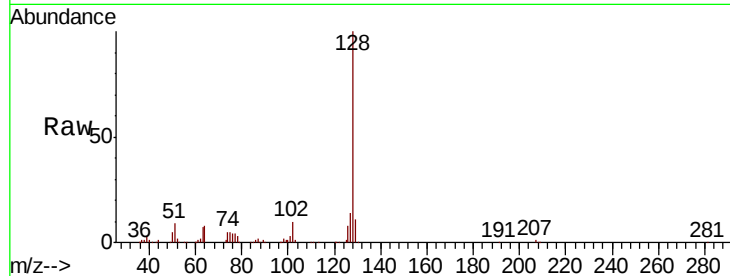




#95
Naphthalene
Concen: 20.816 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW011782.D
Acq: 08 Aug 2019 21:37

Instrument :
MSVOA_W
ClientSampleId :
VW0810SBS01

Tgt Ion:128 Resp: 121189
Ion Ratio Lower Upper
128 100
127 13.6 10.6 16.0
129 11.0 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 21.708 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW011782.D
Acq: 08 Aug 2019 21:37

Tgt Ion:180 Resp: 60193
Ion Ratio Lower Upper
180 100
182 94.3 47.4 142.2
145 32.4 15.9 47.7

