

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW021419\
 Data File : VW008662.D
 Acq On : 14 Feb 2019 13:26
 Operator : SY/VA
 Sample : VW0214SBSD01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0214SBSD01

Quant Time: Feb 15 02:47:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 04:06:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	401846	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	605826	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	538123	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	278082	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	208718	49.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.92%	
35) Dibromofluoromethane	7.88	113	196922	52.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.70%	
50) Toluene-d8	10.32	98	756248	52.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.30%	
62) 4-Bromofluorobenzene	12.62	95	278060	50.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.82%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	54863	21.316	ug/l	97
3) Chloromethane	2.21	50	72028	19.413	ug/l	100
4) Vinyl Chloride	2.37	62	94552	19.400	ug/l	98
5) Bromomethane	2.78	94	80709	20.928	ug/l	98
6) Chloroethane	2.92	64	74809	20.628	ug/l	100
7) Trichlorofluoromethane	3.25	101	72045	18.979	ug/l	93
8) Diethyl Ether	3.67	74	45714	20.181	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.05	101	83389	20.787	ug/l	98
10) Methyl Iodide	4.27	142	127977	20.440	ug/l	100
11) Tert butyl alcohol	5.18	59	29416	88.004	ug/l	100
12) 1,1-Dichloroethene	4.03	96	80903	20.622	ug/l	93
13) Acrolein	3.88	56	30900	89.726	ug/l	97
14) Allyl chloride	4.66	41	135318	20.761	ug/l	98
15) Acrylonitrile	5.36	53	94594	99.211	ug/l	98
16) Acetone	4.12	43	91198	95.930	ug/l	92
17) Carbon Disulfide	4.37	76	243336	20.554	ug/l	97
18) Methyl Acetate	4.66	43	39808	18.325	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	143827	20.884	ug/l	100
20) Methylene Chloride	4.90	84	94266	17.854	ug/l	89
21) trans-1,2-Dichloroethene	5.42	96	88782	20.665	ug/l	93
22) Diisopropyl ether	6.31	45	268247	20.448	ug/l	97
23) Vinyl Acetate	6.25	43	839600	98.613	ug/l	100
24) 1,1-Dichloroethane	6.21	63	157980	20.870	ug/l	99
25) 2-Butanone	7.17	43	127543	95.011	ug/l	94
26) 2,2-Dichloropropane	7.16	77	99114	20.959	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	97241	20.931	ug/l	98
28) Bromochloromethane	7.51	49	66920	20.942	ug/l	99
29) Tetrahydrofuran	7.53	42	83845	94.762	ug/l	98
30) Chloroform	7.67	83	157526	20.768	ug/l	96
31) Cyclohexane	7.95	56	156428	20.473	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	137978	21.539	ug/l	97
36) 1,1-Dichloropropene	8.08	75	128458	21.105	ug/l	100
37) Ethyl Acetate	7.25	43	59751	20.351	ug/l	99
38) Carbon Tetrachloride	8.06	117	125268	20.697	ug/l	92

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Quant Time: Feb 15 02:47:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 04:06:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	161681	21.002	ug/l	98
40) Benzene	8.32	78	351873	21.168	ug/l	97
41) Methacrylonitrile	7.48	41	34128	20.659	ug/l	96
42) 1,2-Dichloroethane	8.40	62	107212	20.793	ug/l	100
43) Isopropyl Acetate	8.43	43	113555	19.396	ug/l	97
44) Trichloroethene	9.09	130	97171	21.083	ug/l	96
45) 1,2-Dichloropropane	9.37	63	85659	20.822	ug/l	95
46) Dibromomethane	9.46	93	47045	20.759	ug/l	98
47) Bromodichloromethane	9.64	83	112109	20.584	ug/l	98
48) Methyl methacrylate	9.44	41	52499	19.349	ug/l	97
49) 1,4-Dioxane	9.45	88	13072	361.366	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	288038	95.776	ug/l	100
52) Toluene	10.38	92	221802	20.683	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	114824	20.068	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	132445	20.420	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	64506	20.745	ug/l	99
56) Ethyl methacrylate	10.65	69	78900	19.109	ug/l	99
57) 1,3-Dichloropropane	10.93	76	113732	20.615	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	223473	112.825	ug/l	99
59) 2-Hexanone	10.97	43	202801	95.991	ug/l	99
60) Dibromochloromethane	11.13	129	74523	20.030	ug/l	99
61) 1,2-Dibromoethane	11.23	107	62723	20.487	ug/l	100
64) Tetrachloroethene	10.86	164	84133	21.024	ug/l	96
65) Chlorobenzene	11.66	112	248316	21.409	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	83738	20.380	ug/l	98
67) Ethyl Benzene	11.73	91	433884	21.001	ug/l	98
68) m/p-Xylenes	11.84	106	334928	41.664	ug/l	100
69) o-Xylene	12.16	106	156910	20.650	ug/l	99
70) Styrene	12.18	104	247889	19.973	ug/l	98
71) Bromoform	12.35	173	42403	19.153	ug/l #	98
73) Isopropylbenzene	12.46	105	439153	21.201	ug/l	100
74) N-amyl acetate	12.27	43	107587	19.207	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	75304	20.895	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	98061	35.712	ug/l #	100
77) Bromobenzene	12.75	156	101413	21.299	ug/l	97
78) n-propylbenzene	12.80	91	528814	21.486	ug/l	100
79) 2-Chlorotoluene	12.89	91	292972	21.062	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	359500	20.895	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	20780	18.364	ug/l	96
82) 4-Chlorotoluene	12.99	91	304126	20.631	ug/l	99
83) tert-Butylbenzene	13.21	119	314969	21.083	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	370848	20.972	ug/l	100
85) sec-Butylbenzene	13.38	105	463290	21.298	ug/l	99
86) p-Isopropyltoluene	13.50	119	406723	20.900	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	201511	20.877	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	200870	21.116	ug/l	98
89) n-Butylbenzene	13.83	91	388541	21.011	ug/l	99
90) Hexachloroethane	14.10	117	70560	20.754	ug/l	93
91) 1,2-Dichlorobenzene	13.87	146	179714	21.015	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	12218	19.509	ug/l	99

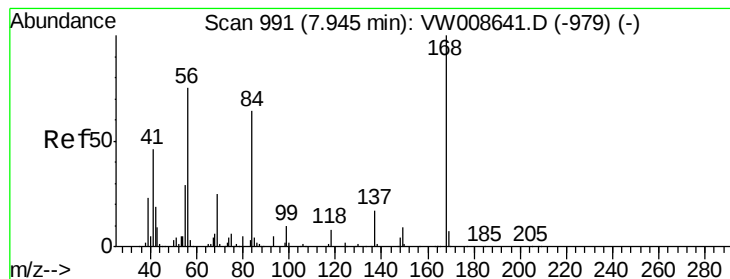
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW021419\
Data File : VW008662.D
Acq On : 14 Feb 2019 13:26
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Sample : VW0214SBSD01
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Quant Title : SW846 8260
QLast Update : Thu Feb 14 04:06:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	133253	21.889	ug/l	97
94) Hexachlorobutadiene	15.24	225	78444	22.137	ug/l	97
95) Naphthalene	15.37	128	222593	20.404	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	113786	21.782	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: VW008662.D

Acq: 14 Feb 2019 13:26

Instrument :

MSVOA_W

ClientSampleId :

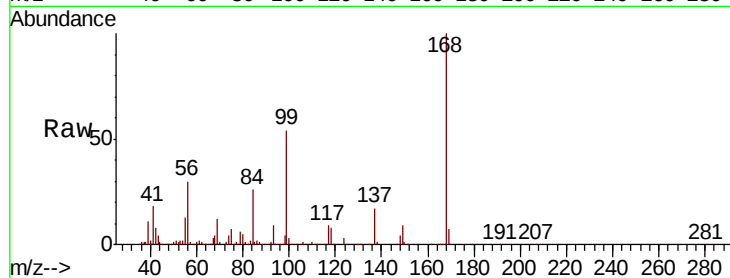
VW0214SBSD01

Tgt Ion:168 Resp: 401846

Ion Ratio Lower Upper

168 100

99 53.6 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

150000

100000

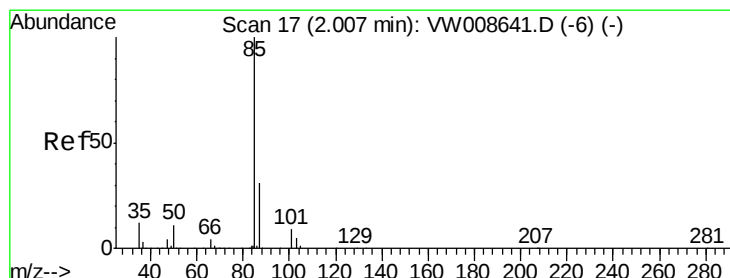
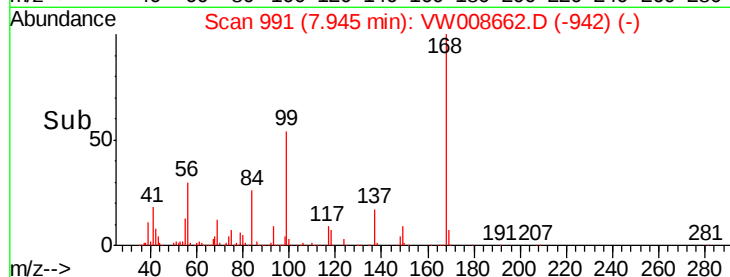
50000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 21.316 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW008662.D

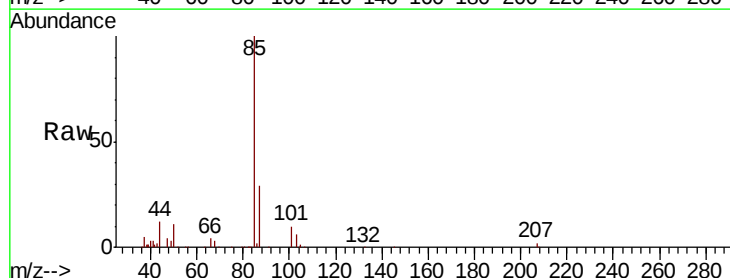
Acq: 14 Feb 2019 13:26

Tgt Ion: 85 Resp: 54863

Ion Ratio Lower Upper

85 100

87 29.4 15.4 46.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

20000

15000

10000

5000

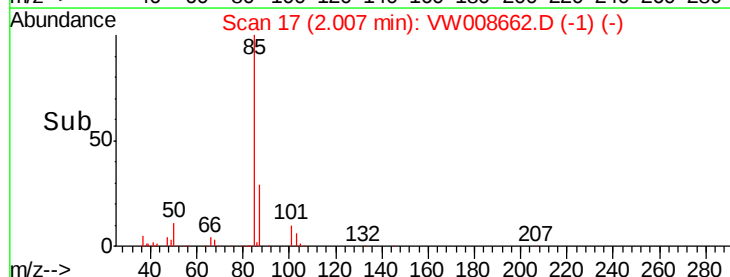
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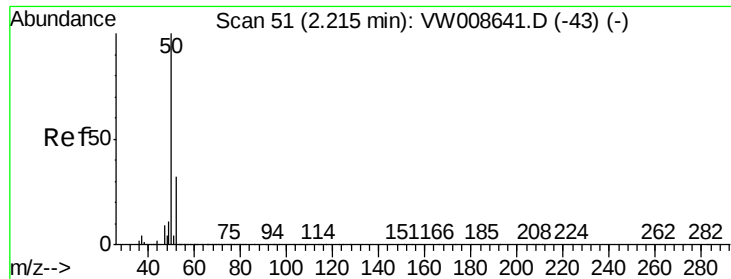
1.90

2.00

2.10

Time-->





#3

Chloromethane

Concen: 19.413 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW008662.D

Acq: 14 Feb 2019 13:26

Instrument :

MSVOA_W

ClientSampleId :

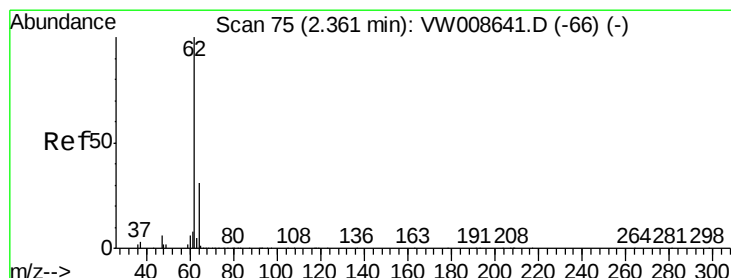
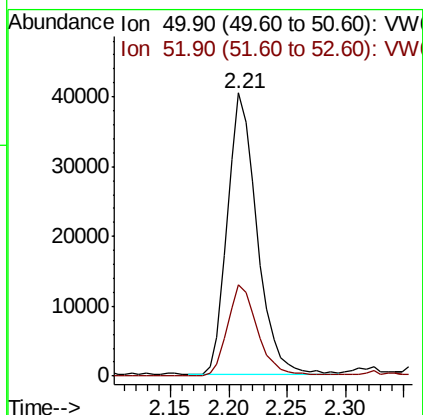
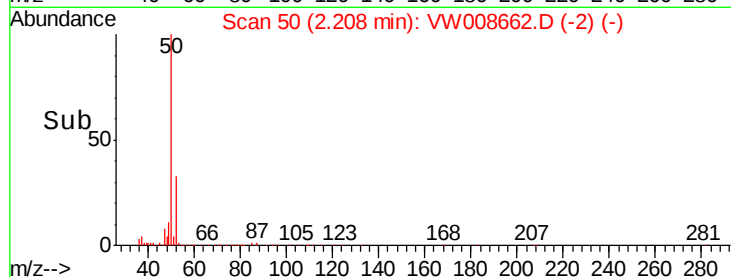
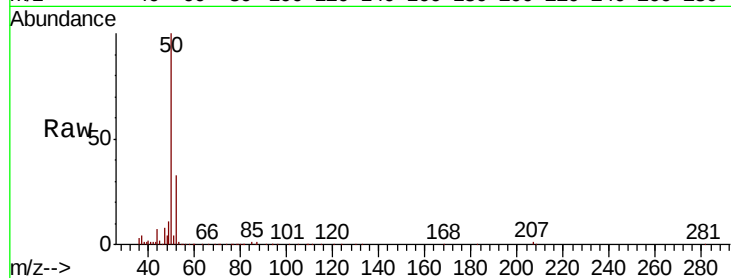
VW0214SBSD01

Tgt Ion: 50 Resp: 72028

Ion Ratio Lower Upper

50 100

52 32.6 26.0 39.0



#4

Vinyl Chloride

Concen: 19.400 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.01 min

Lab File: VW008662.D

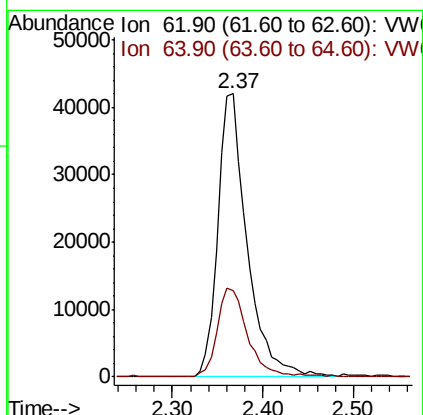
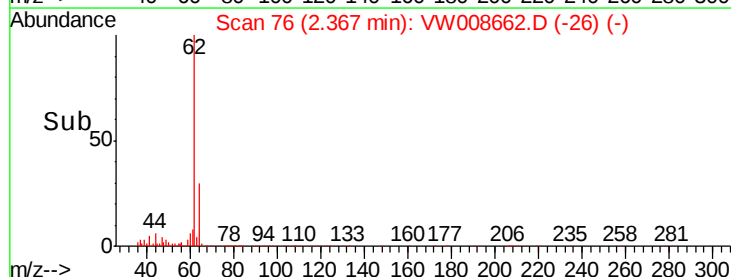
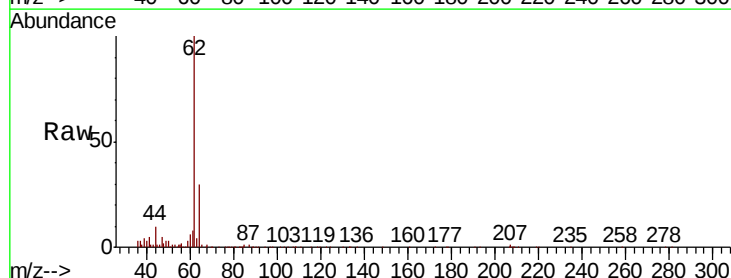
Acq: 14 Feb 2019 13:26

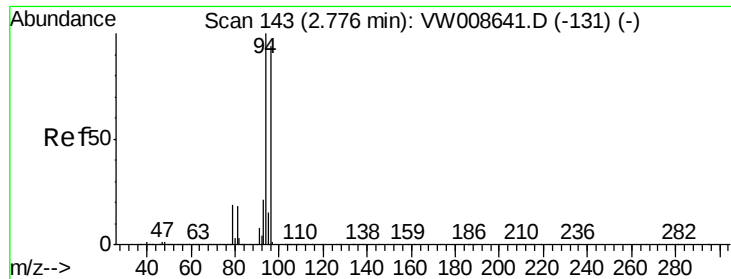
Tgt Ion: 62 Resp: 94552

Ion Ratio Lower Upper

62 100

64 30.3 25.1 37.7





#5

Bromomethane

Concen: 20.928 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW008662.D

Acq: 14 Feb 2019 13:26

Instrument :

MSVOA_W

ClientSampleId :

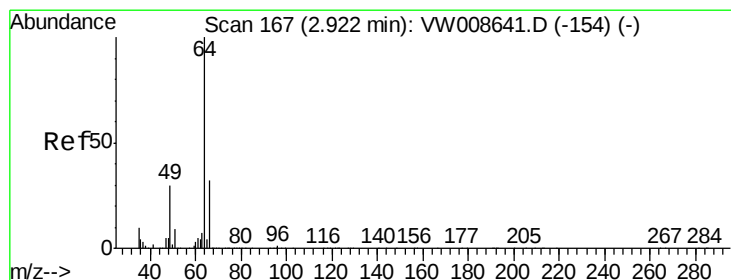
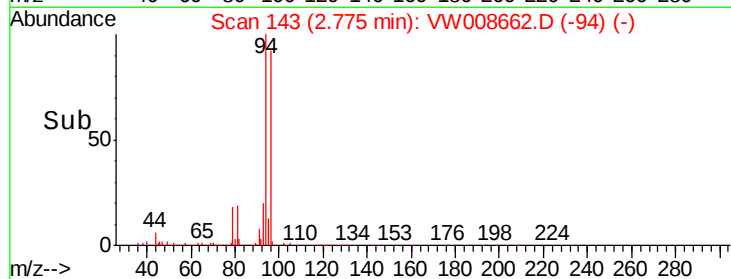
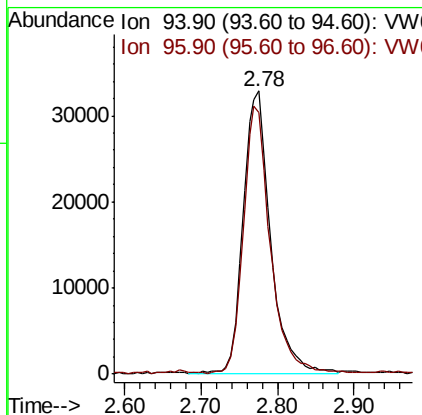
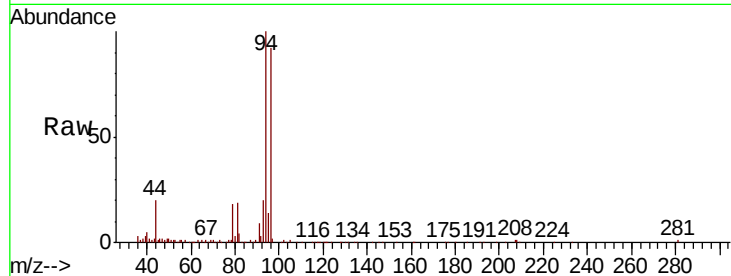
VW0214SBSD01

Tgt Ion: 94 Resp: 80709

Ion Ratio Lower Upper

94 100

96 92.2 75.5 113.3



#6

Chloroethane

Concen: 20.628 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW008662.D

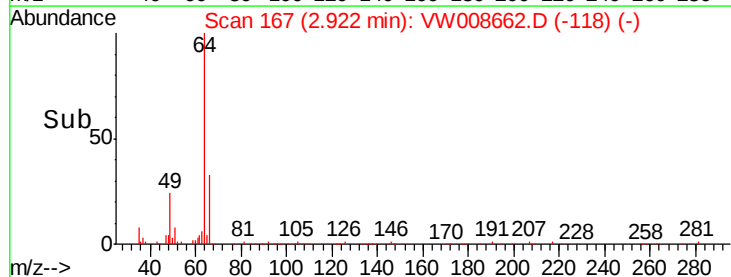
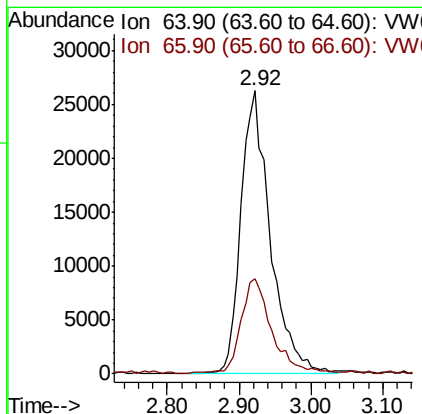
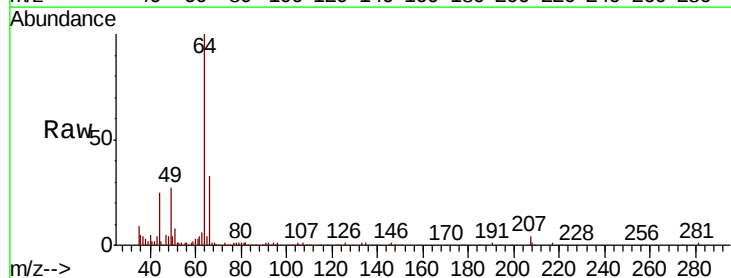
Acq: 14 Feb 2019 13:26

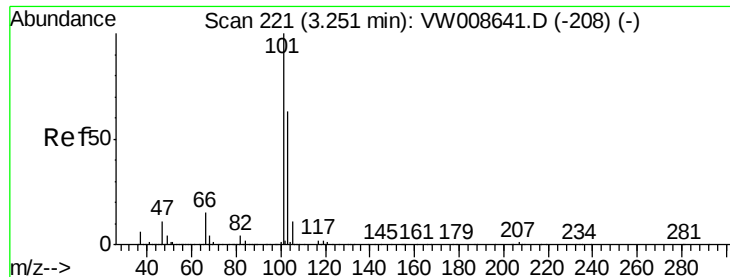
Tgt Ion: 64 Resp: 74809

Ion Ratio Lower Upper

64 100

66 33.1 26.2 39.4



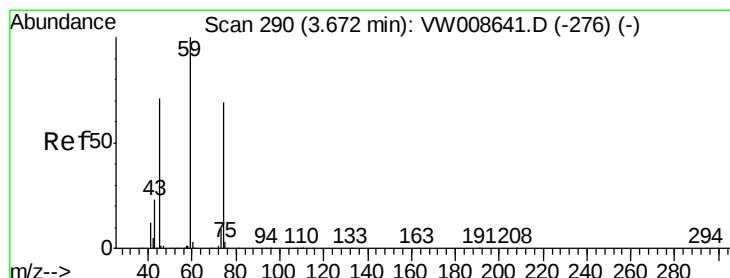
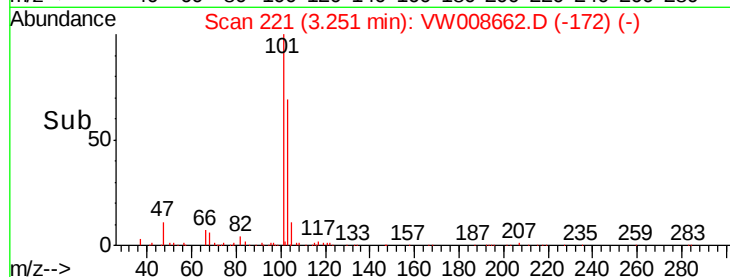
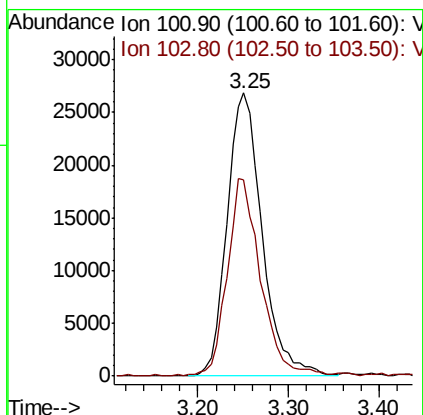
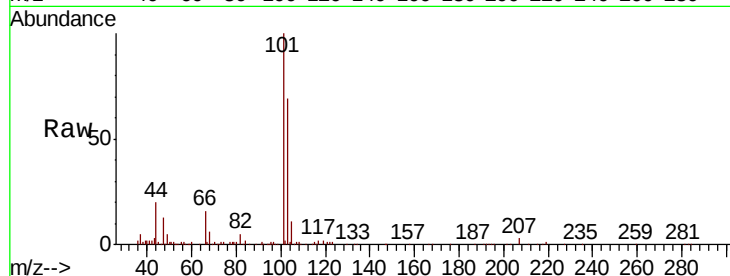


#7

Trichlorofluoromethane
Concen: 18.979 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.00 min
Lab File: VW008662.D
Acq: 14 Feb 2019 13:26

Instrument :
MSVOA_W
ClientSampleId :
VW0214SBSD01

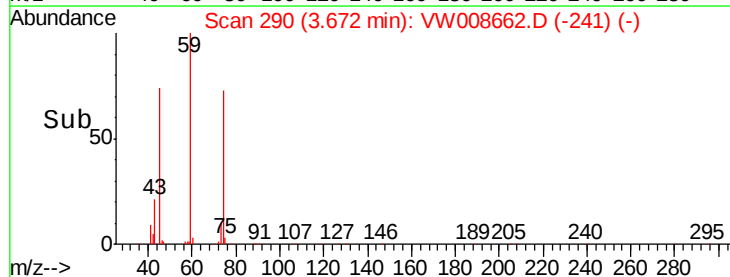
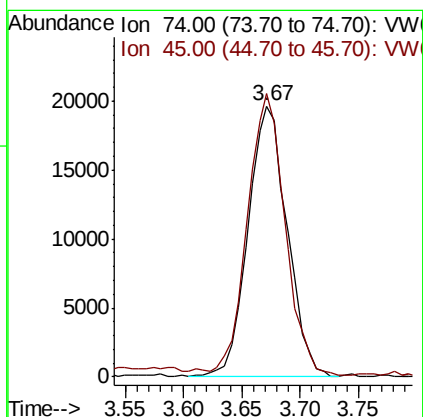
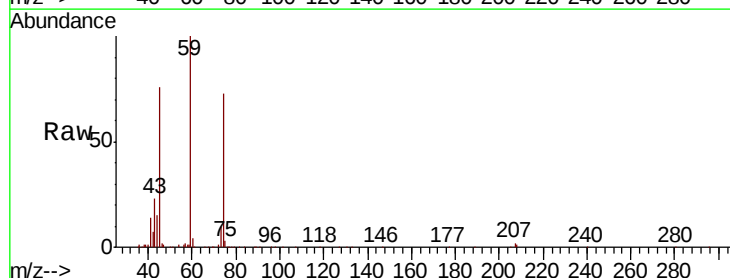
Tgt Ion:101 Resp: 72045
Ion Ratio Lower Upper
101 100
103 68.9 50.5 75.7

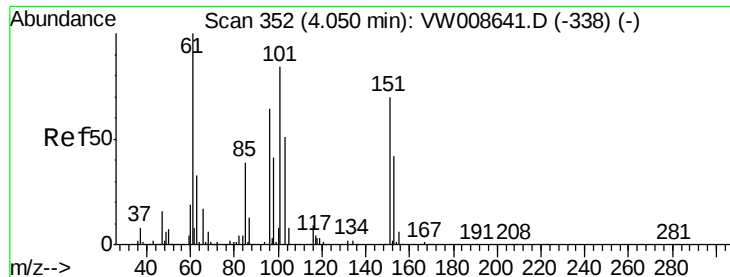


#8

Diethyl Ether
Concen: 20.181 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.00 min
Lab File: VW008662.D
Acq: 14 Feb 2019 13:26

Tgt Ion: 74 Resp: 45714
Ion Ratio Lower Upper
74 100
45 100.8 50.2 150.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.787 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.00 min

Lab File: VW008662.D

Acq: 14 Feb 2019 13:26

Instrument :

MSVOA_W

ClientSampleId :

VW0214SBSD01

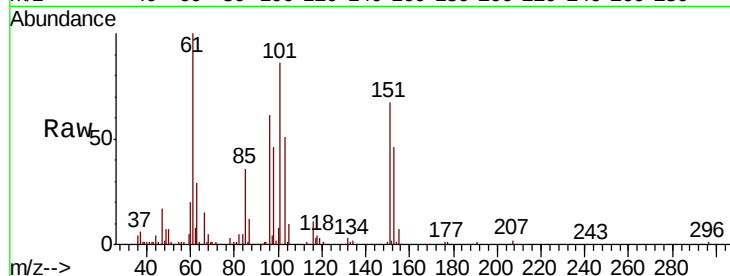
Tgt Ion:101 Resp: 83389

Ion Ratio Lower Upper

101 100

85 45.8 34.3 51.5

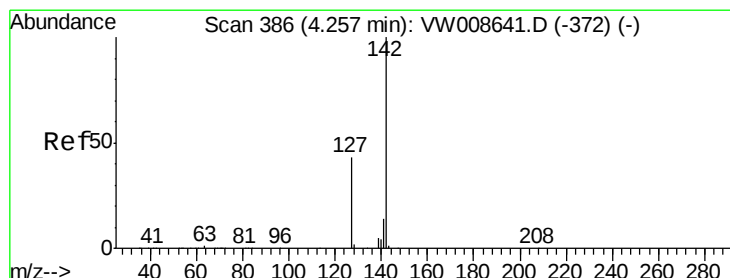
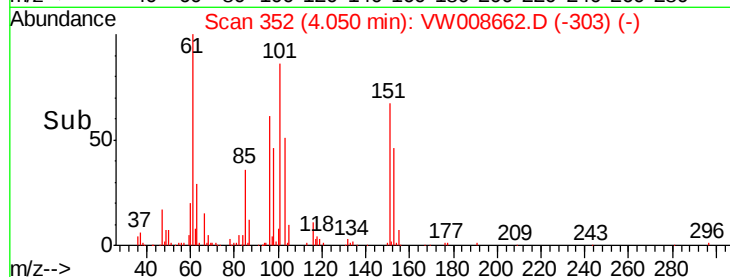
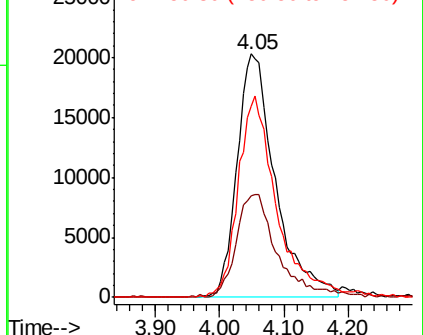
151 82.8 65.6 98.4



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: 20.440 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.01 min

Lab File: VW008662.D

Acq: 14 Feb 2019 13:26

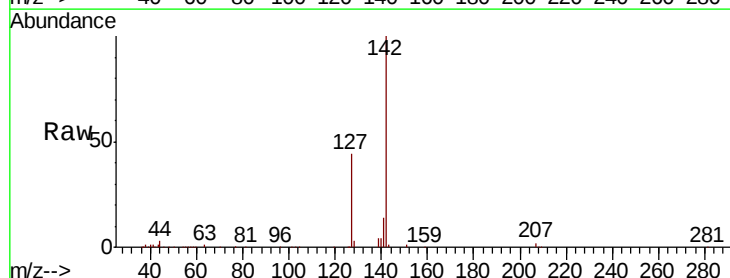
Tgt Ion:142 Resp: 127977

Ion Ratio Lower Upper

142 100

127 43.5 34.8 52.2

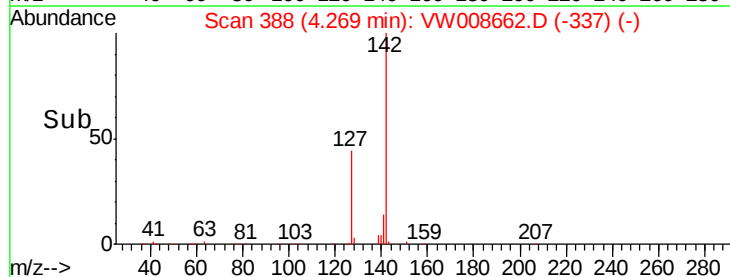
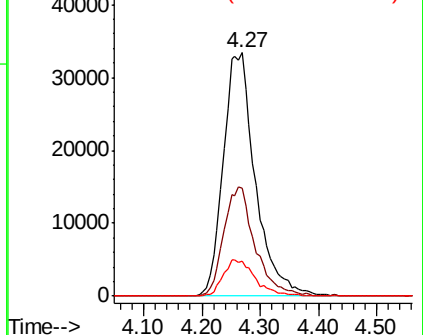
141 14.6 11.8 17.8

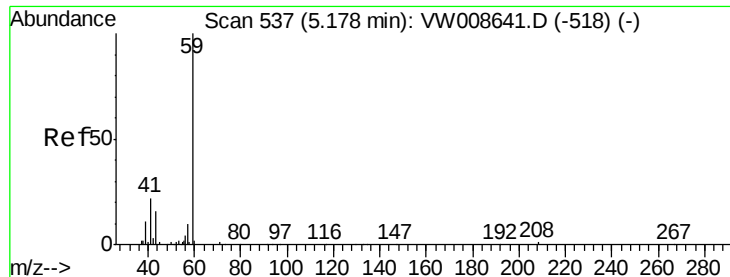


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 88.004 ug/l

RT: 5.18 min Scan# 537

Delta R.T. -0.00 min

Lab File: VW008662.D

Acq: 14 Feb 2019 13:26

Instrument :

MSVOA_W

ClientSampleId :

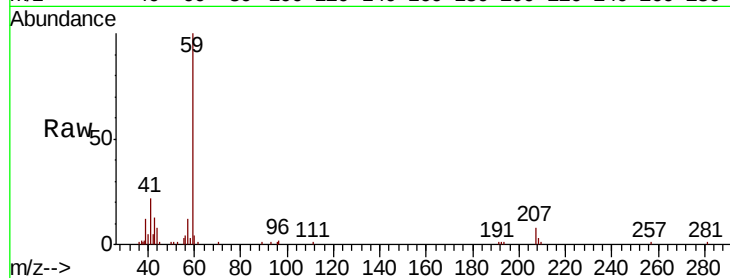
VW0214SBSD01

Tgt Ion: 59 Resp: 29416

Ion Ratio Lower Upper

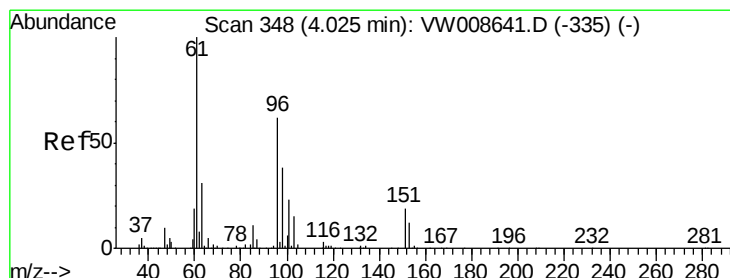
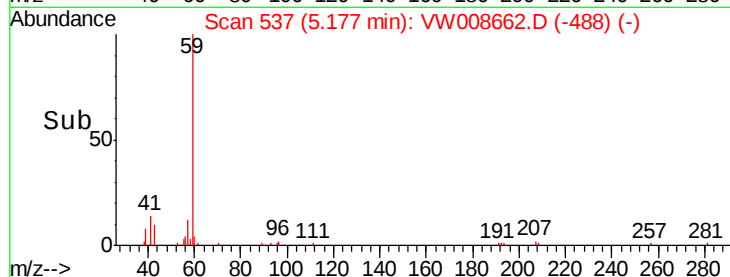
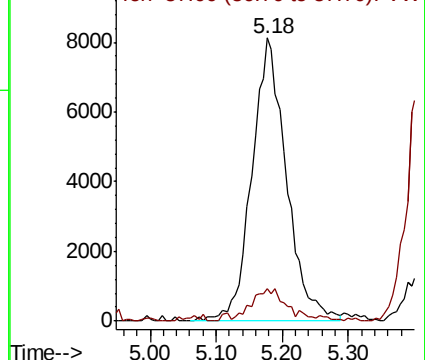
59 100

57 10.4 8.3 12.5



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW



#12

1,1-Dichloroethene

Concen: 20.622 ug/l

RT: 4.03 min Scan# 349

Delta R.T. 0.01 min

Lab File: VW008662.D

Acq: 14 Feb 2019 13:26

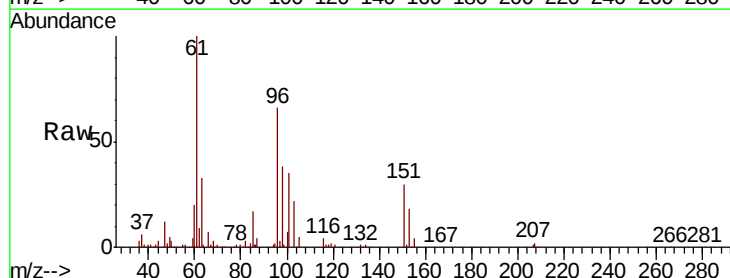
Tgt Ion: 96 Resp: 80903

Ion Ratio Lower Upper

96 100

61 151.4 129.8 194.6

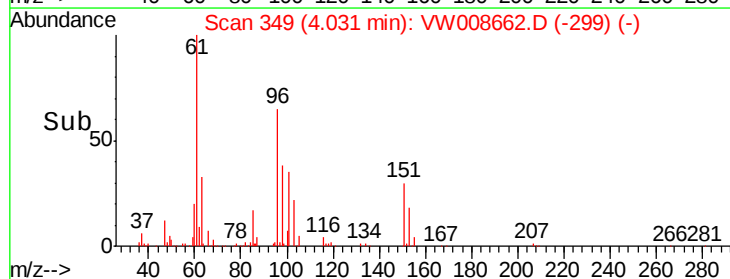
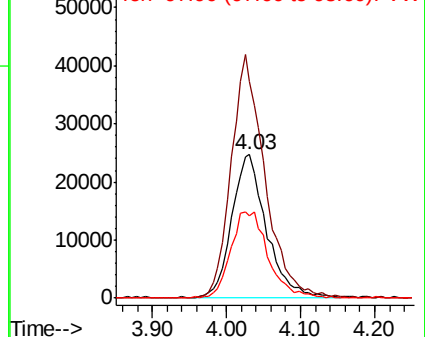
98 57.5 49.3 73.9

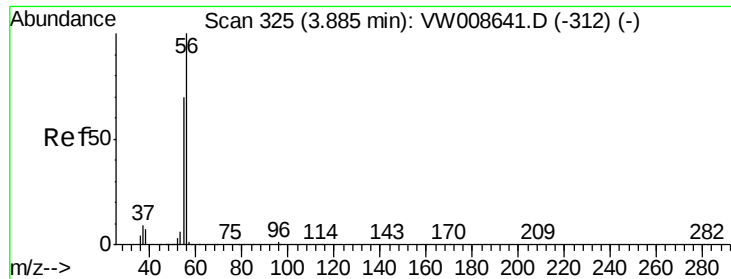


Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW

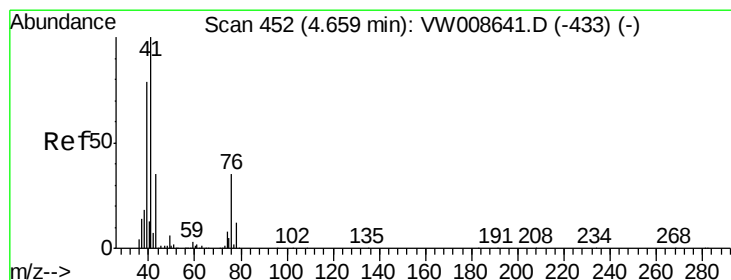
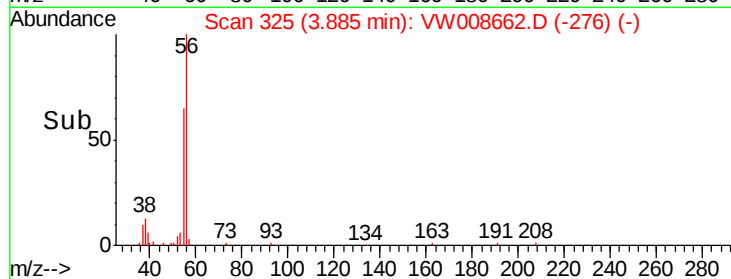
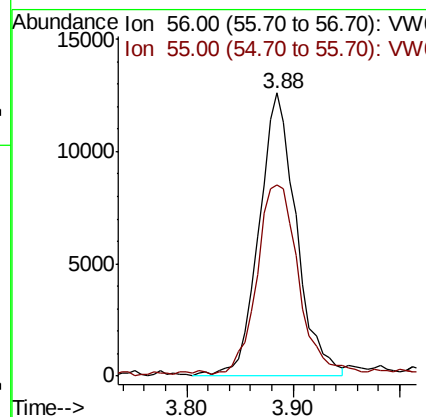
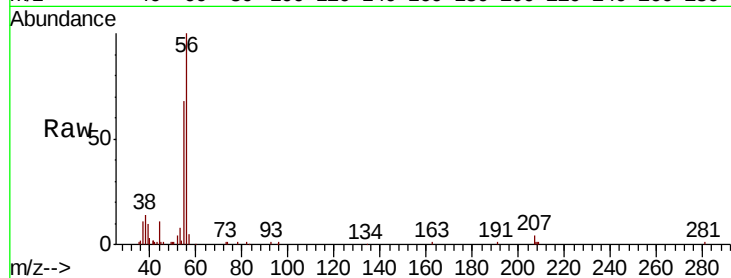




#13
 Acrolein
 Concen: 89.726 ug/l
 RT: 3.88 min Scan# 325
 Delta R.T. -0.00 min
 Lab File: VW008662.D
 Acq: 14 Feb 2019 13:26

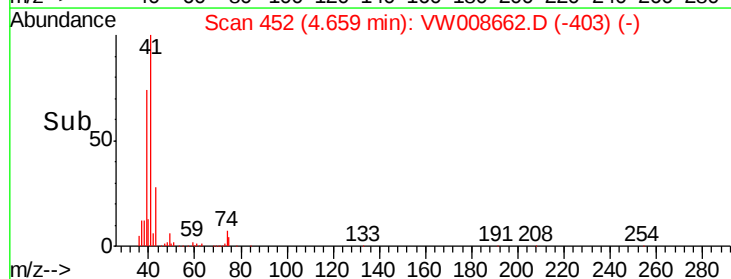
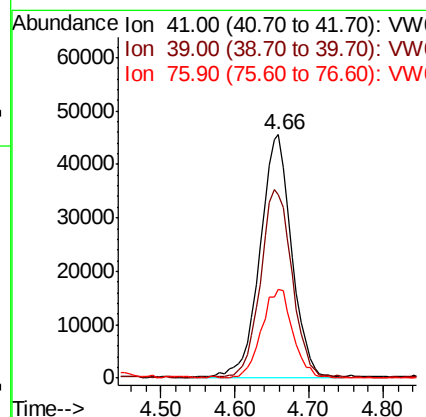
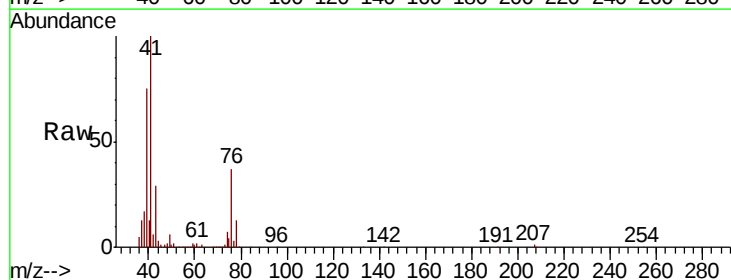
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0214SBSD01

Tgt Ion: 56 Resp: 30900
 Ion Ratio Lower Upper
 56 100
 55 73.9 57.4 86.2



#14
 Allyl chloride
 Concen: 20.761 ug/l
 RT: 4.66 min Scan# 452
 Delta R.T. -0.00 min
 Lab File: VW008662.D
 Acq: 14 Feb 2019 13:26

Tgt Ion: 41 Resp: 135318
 Ion Ratio Lower Upper
 41 100
 39 78.3 61.7 92.5
 76 36.1 27.7 41.5





#15

Acrylonitrile

Concen: 99.211 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.00 min

Lab File: VW008662.D

Acq: 14 Feb 2019 13:26

Instrument :

MSVOA_W

ClientSampleId :

VW0214SBSD01

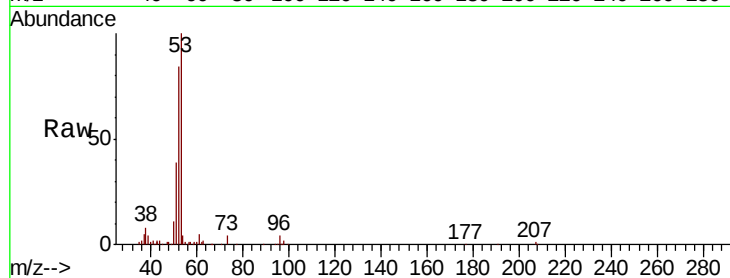
Tgt Ion: 53 Resp: 94594

Ion Ratio Lower Upper

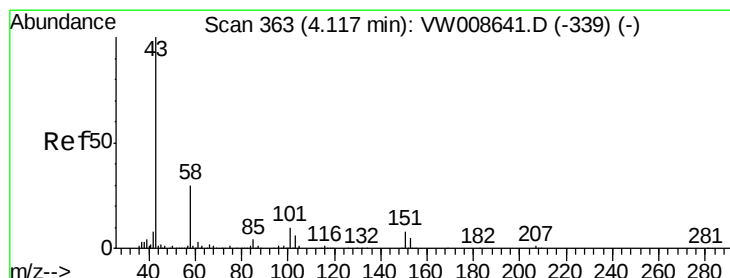
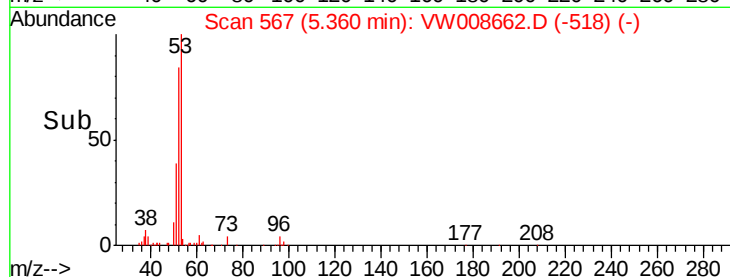
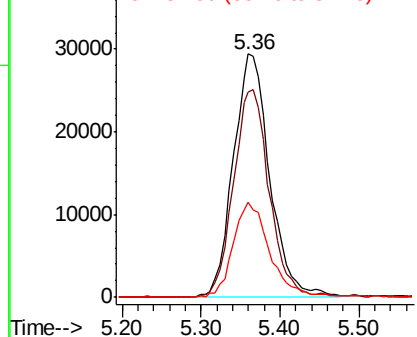
53 100

52 83.1 66.8 100.2

51 39.1 29.4 44.0



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



#16

Acetone

Concen: 95.930 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW008662.D

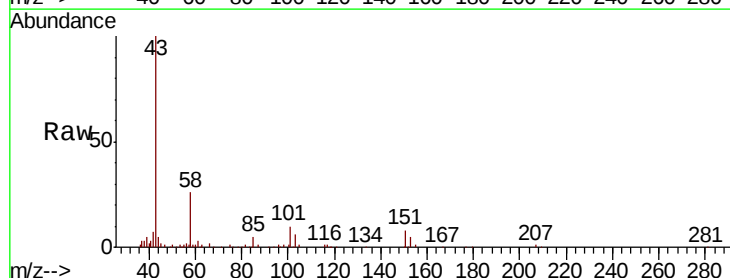
Acq: 14 Feb 2019 13:26

Tgt Ion: 43 Resp: 91198

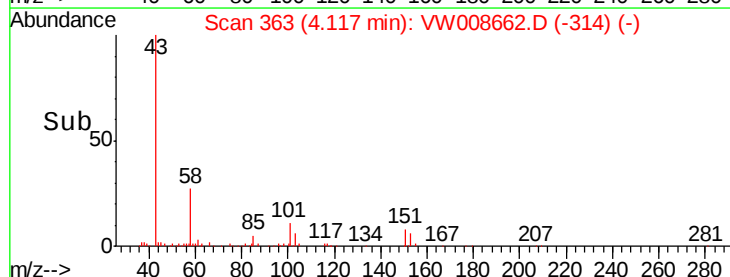
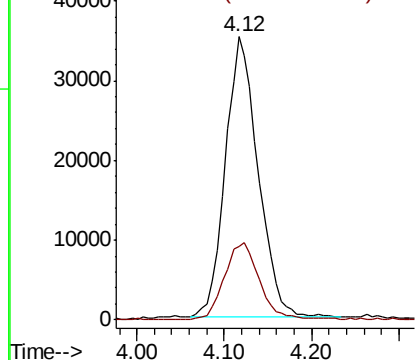
Ion Ratio Lower Upper

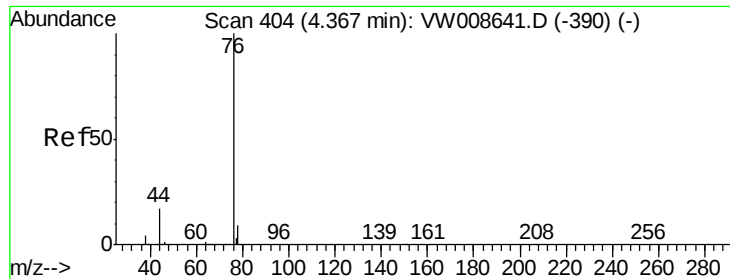
43 100

58 25.9 24.1 36.1



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

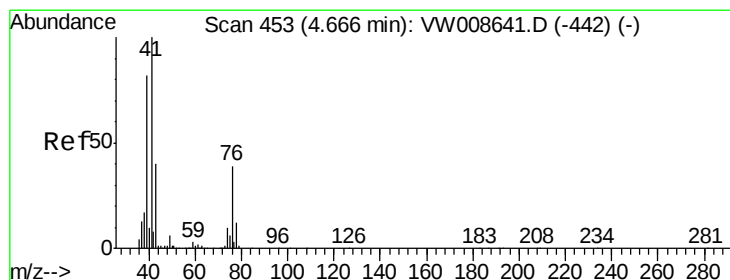
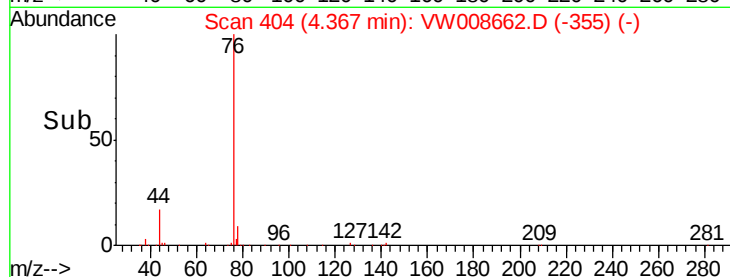
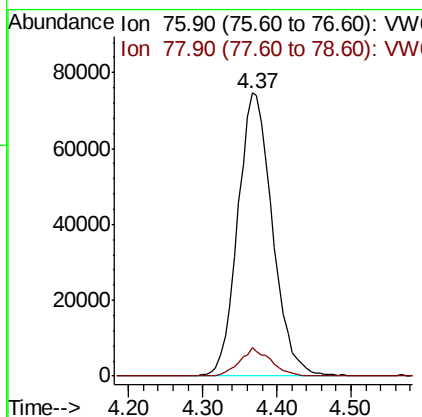
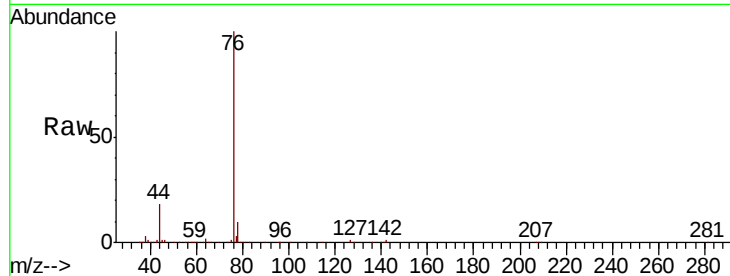




#17
Carbon Disulfide
Concen: 20.554 ug/l
RT: 4.37 min Scan# 404
Delta R.T. -0.00 min
Lab File: VW008662.D
Acq: 14 Feb 2019 13:26

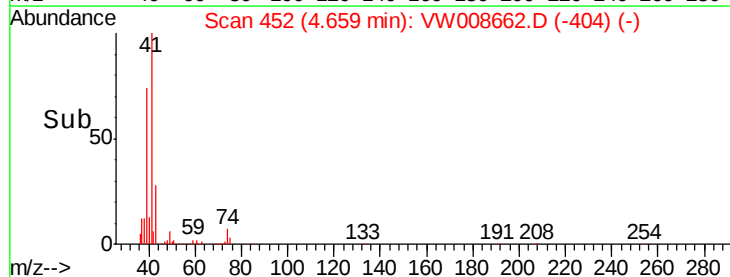
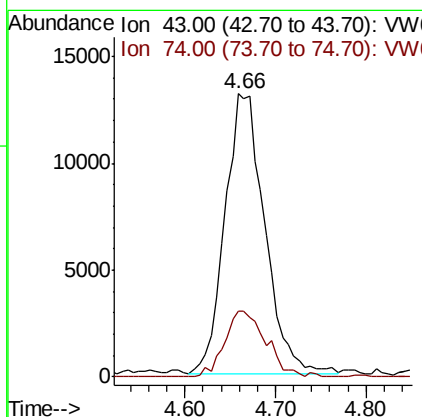
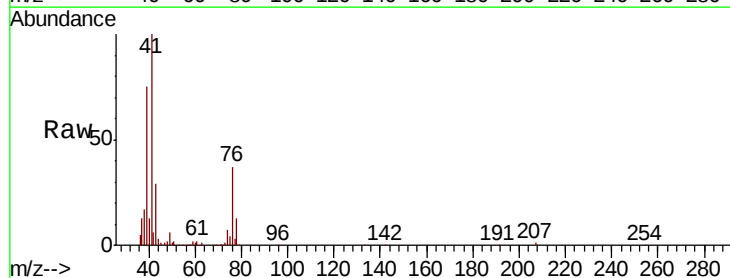
Instrument :
MSVOA_W
ClientSampleId :
VW0214SBSD01

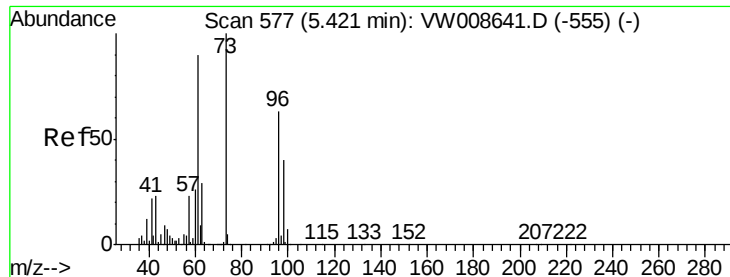
Tgt Ion: 76 Resp: 243336
Ion Ratio Lower Upper
76 100
78 9.9 7.1 10.7



#18
Methyl Acetate
Concen: 18.325 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW008662.D
Acq: 14 Feb 2019 13:26

Tgt Ion: 43 Resp: 39808
Ion Ratio Lower Upper
43 100
74 24.4 19.0 28.4





#19

Methyl tert-butyl Ether

Concen: 20.884 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW008662.D

Acq: 14 Feb 2019 13:26

Instrument :

MSVOA_W

ClientSampleId :

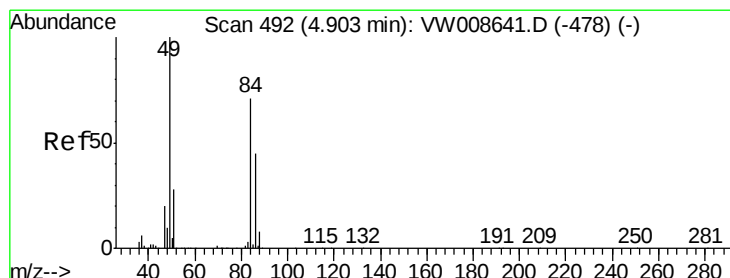
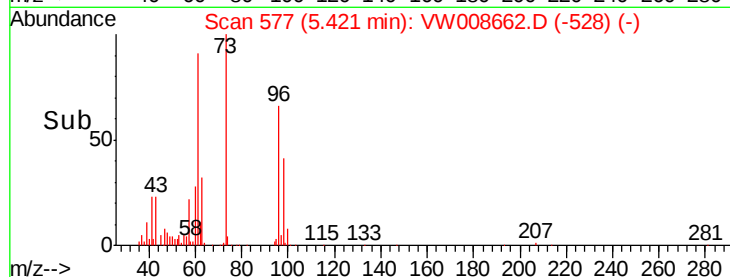
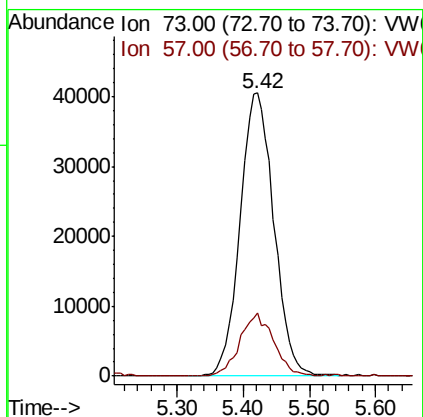
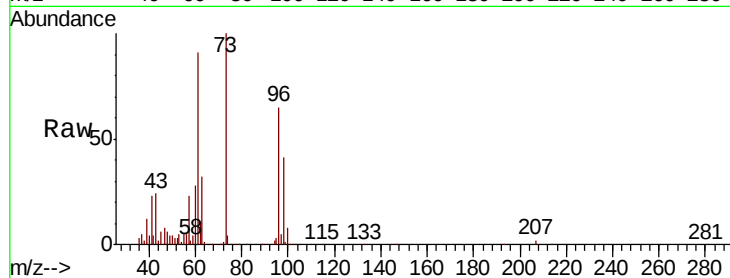
VW0214SBSD01

Tgt Ion: 73 Resp: 143827

Ion Ratio Lower Upper

73 100

57 22.5 18.2 27.2



#20

Methylene Chloride

Concen: 17.854 ug/l

RT: 4.90 min Scan# 492

Delta R.T. 0.00 min

Lab File: VW008662.D

Acq: 14 Feb 2019 13:26

Tgt Ion: 84 Resp: 94266

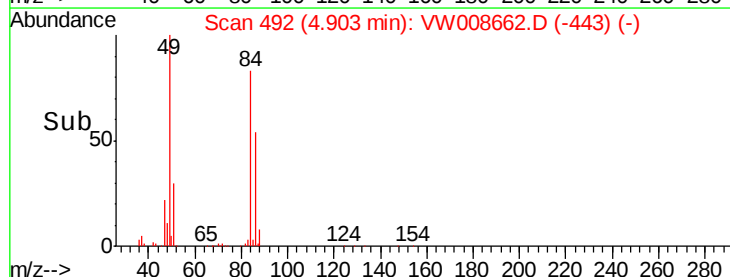
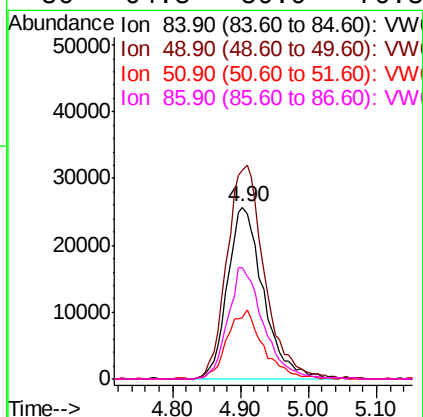
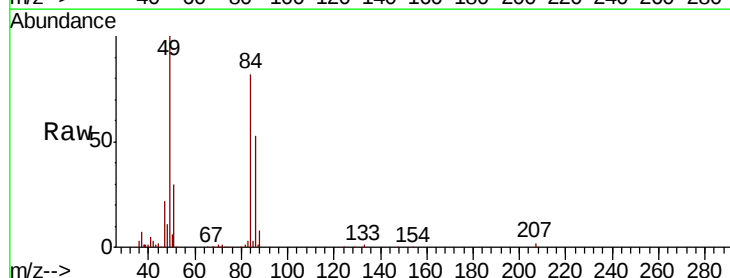
Ion Ratio Lower Upper

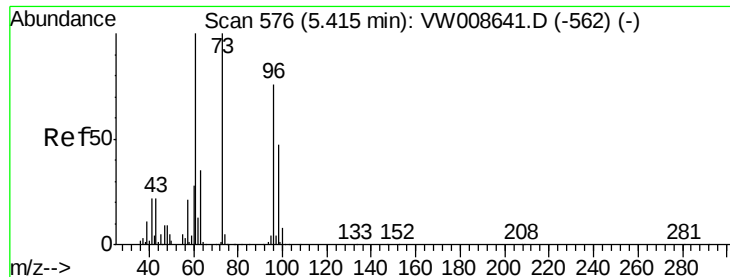
84 100

49 121.3 113.3 169.9

51 35.9 32.1 48.1

86 64.8 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 20.665 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW008662.D

Acq: 14 Feb 2019 13:26

Instrument :

MSVOA_W

ClientSampleId :

VW0214SBSD01

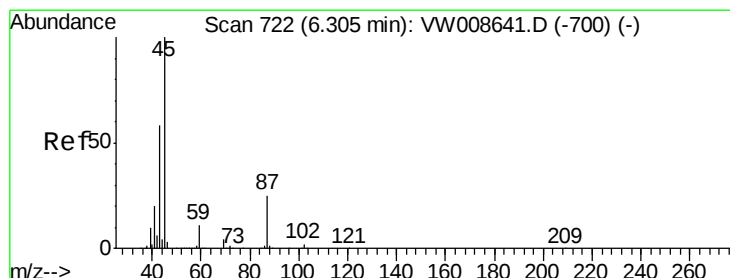
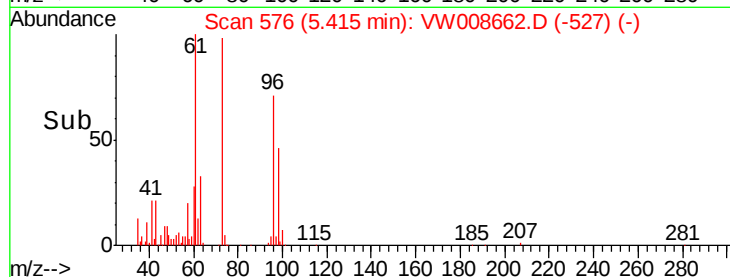
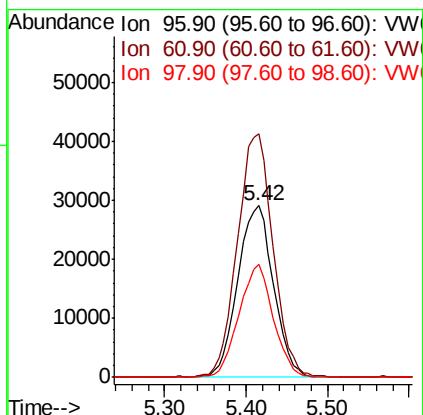
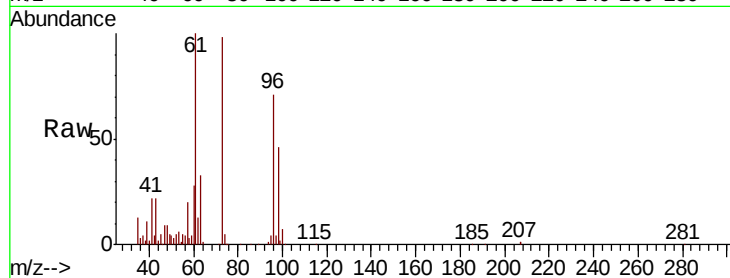
Tgt Ion: 96 Resp: 88782

Ion Ratio Lower Upper

96 100

61 141.8 105.9 158.9

98 65.8 49.8 74.6



#22

Diisopropyl ether

Concen: 20.448 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW008662.D

Acq: 14 Feb 2019 13:26

Tgt Ion: 45 Resp: 268247

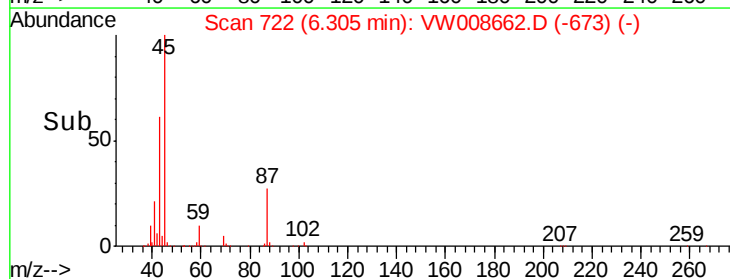
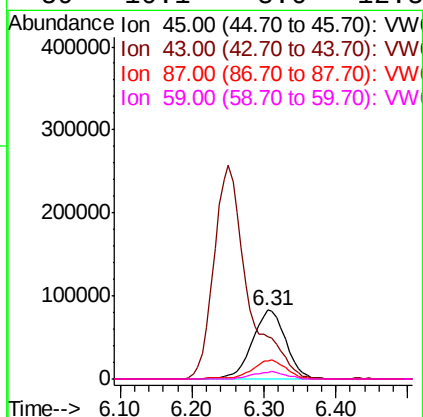
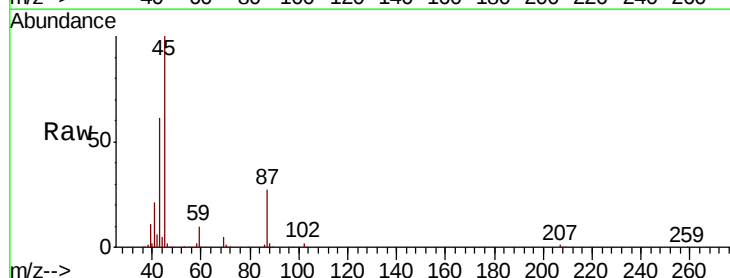
Ion Ratio Lower Upper

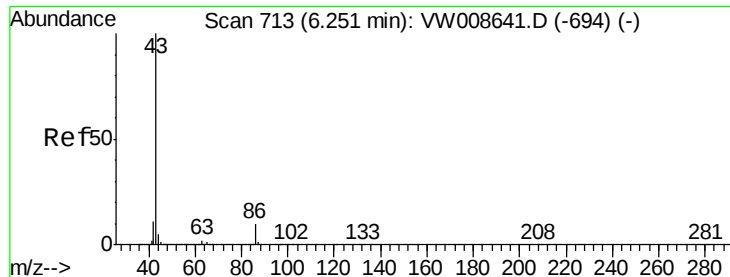
45 100

43 60.2 46.1 69.1

87 26.8 20.5 30.7

59 10.1 8.6 12.8





#23

Vinyl Acetate

Concen: 98.613 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW008662.D

Acq: 14 Feb 2019 13:26

Instrument :

MSVOA_W

ClientSampleId :

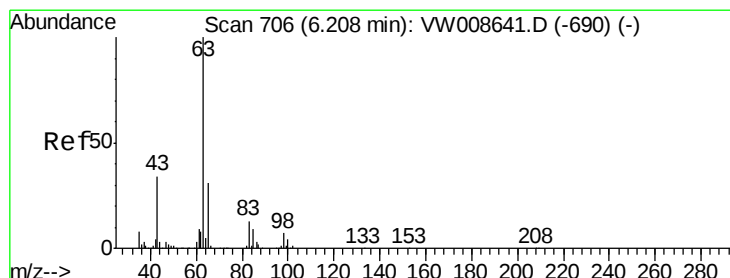
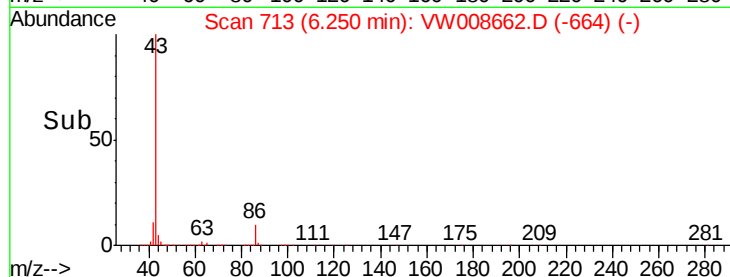
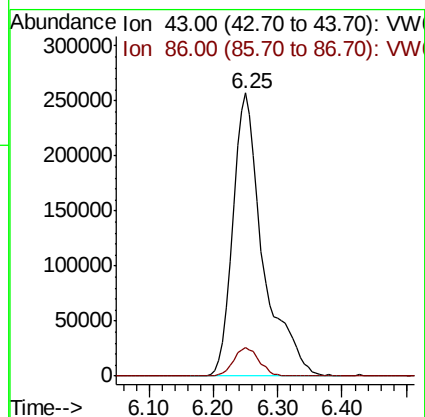
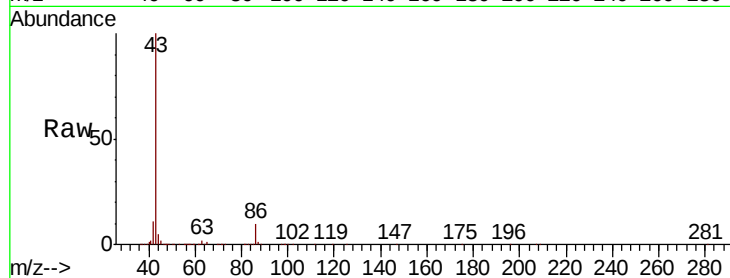
VW0214SBSD01

Tgt Ion: 43 Resp: 839600

Ion Ratio Lower Upper

43 100

86 9.9 7.9 11.9



#24

1,1-Dichloroethane

Concen: 20.870 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.00 min

Lab File: VW008662.D

Acq: 14 Feb 2019 13:26

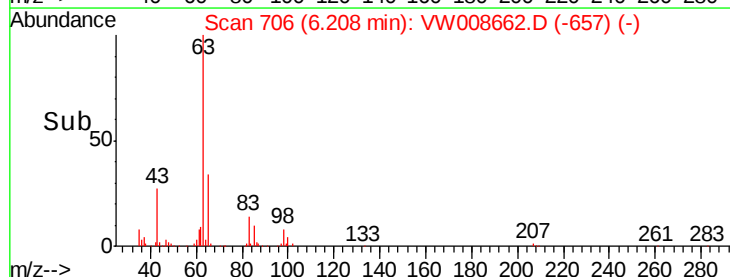
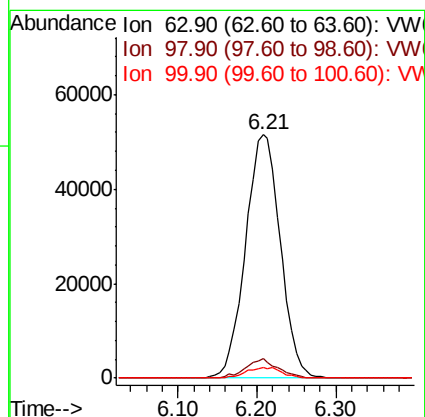
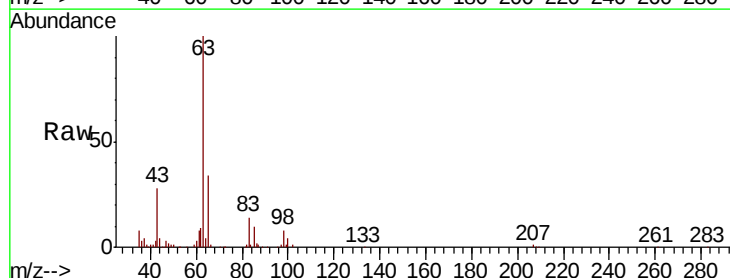
Tgt Ion: 63 Resp: 157980

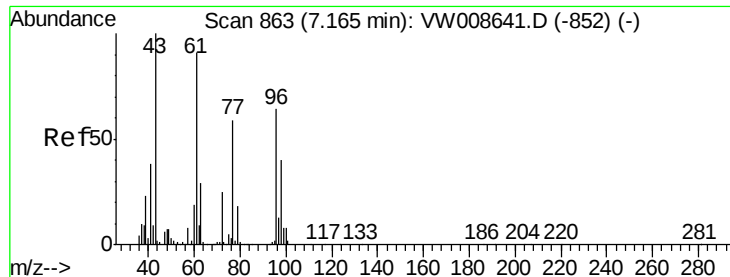
Ion Ratio Lower Upper

63 100

98 7.8 3.6 10.8

100 4.3 2.2 6.6





#25

2-Butanone

Concen: 95.011 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW008662.D

Acq: 14 Feb 2019 13:26

Instrument :

MSVOA_W

ClientSampleID :

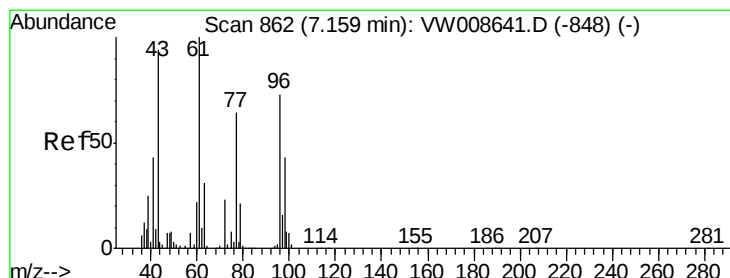
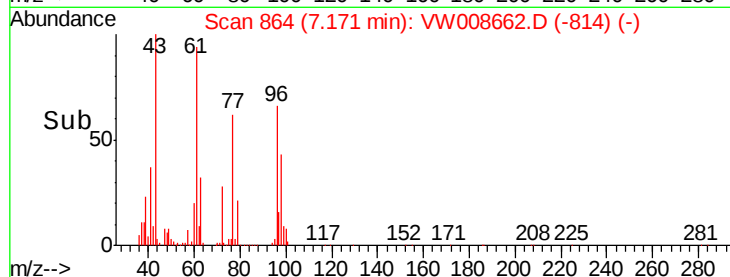
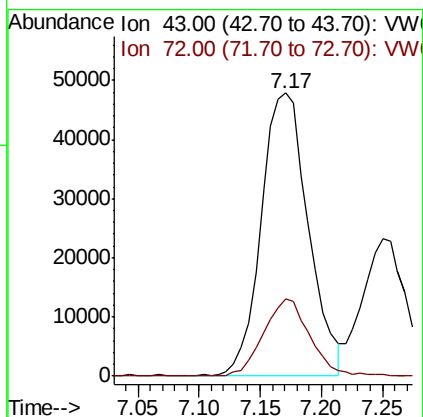
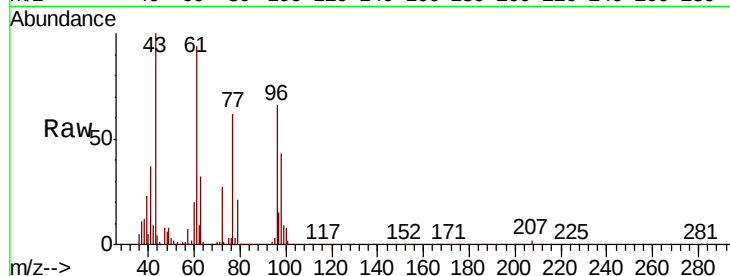
VW0214SBSD01

Tgt Ion: 43 Resp: 127543

Ion Ratio Lower Upper

43 100

72 27.5 19.7 29.5



#26

2,2-Dichloropropane

Concen: 20.959 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.00 min

Lab File: VW008662.D

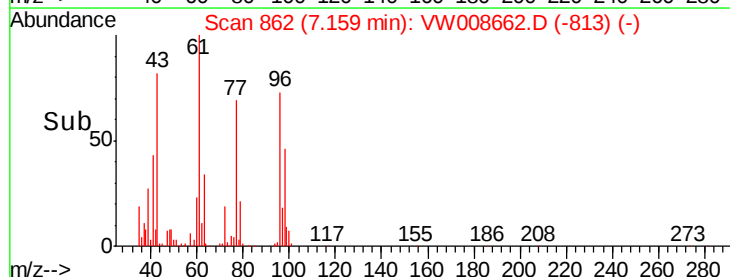
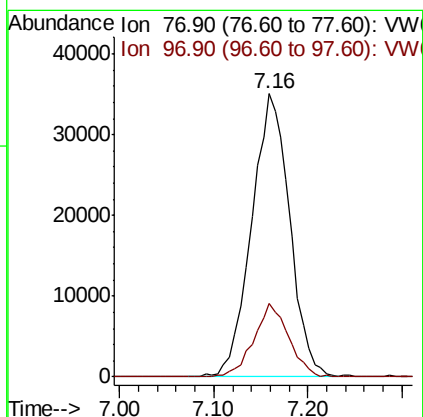
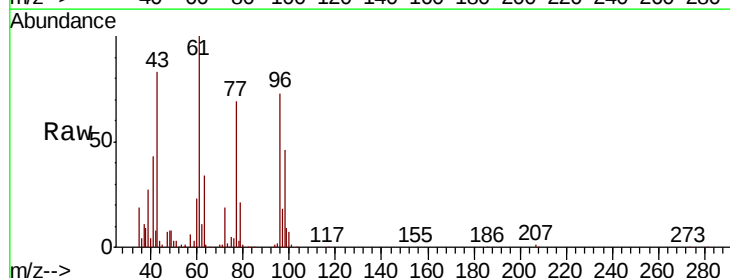
Acq: 14 Feb 2019 13:26

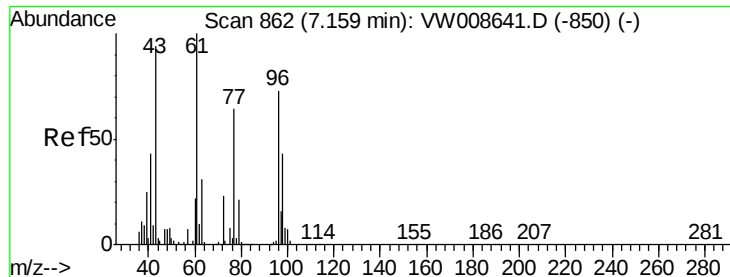
Tgt Ion: 77 Resp: 99114

Ion Ratio Lower Upper

77 100

97 23.8 11.7 35.0



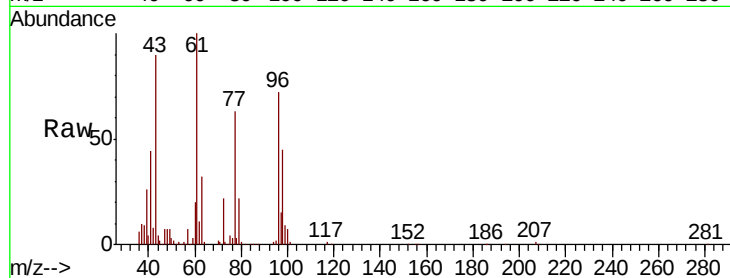


#27

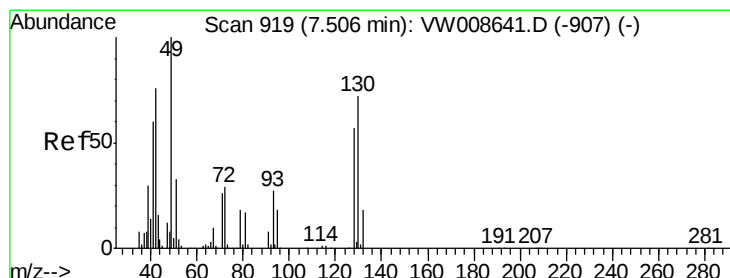
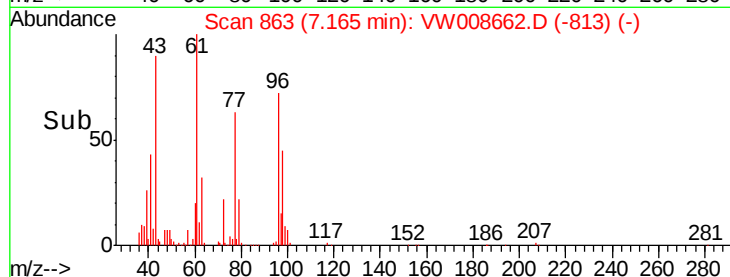
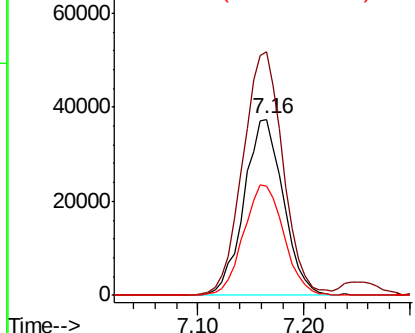
cis-1,2-Dichloroethene
Concen: 20.931 ug/l
RT: 7.16 min Scan# 863
Delta R.T. 0.01 min
Lab File: VW008662.D
Acq: 14 Feb 2019 13:26

Instrument :
MSVOA_W
ClientSampleId :
VW0214SBSD01

Tgt Ion: 96 Resp: 97241
Ion Ratio Lower Upper
96 100
61 141.3 0.0 286.4
98 64.2 0.0 125.0



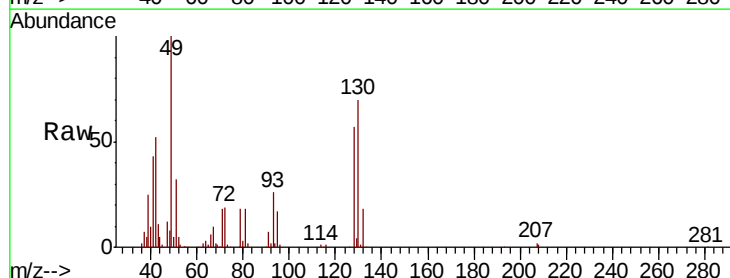
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



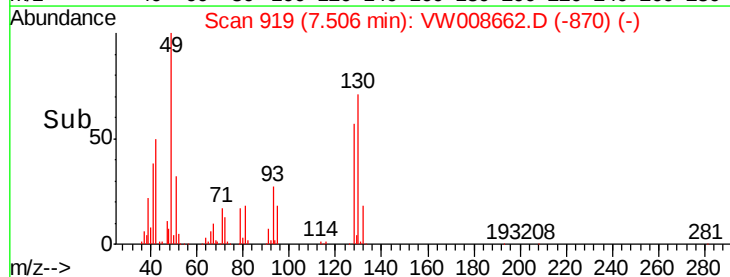
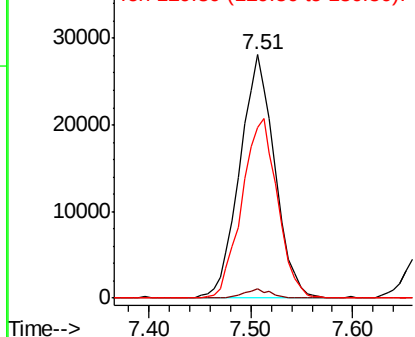
#28

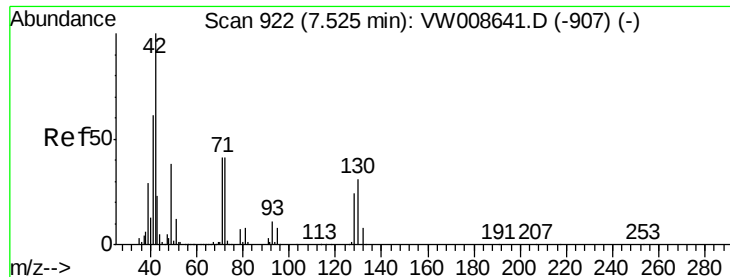
Bromochloromethane
Concen: 20.942 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW008662.D
Acq: 14 Feb 2019 13:26

Tgt Ion: 49 Resp: 66920
Ion Ratio Lower Upper
49 100
129 2.8 0.0 3.2
130 75.2 59.4 89.0



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: 94.762 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.01 min

Lab File: VW008662.D

Acq: 14 Feb 2019 13:26

Instrument :

MSVOA_W

ClientSampleId :

VW0214SBSD01

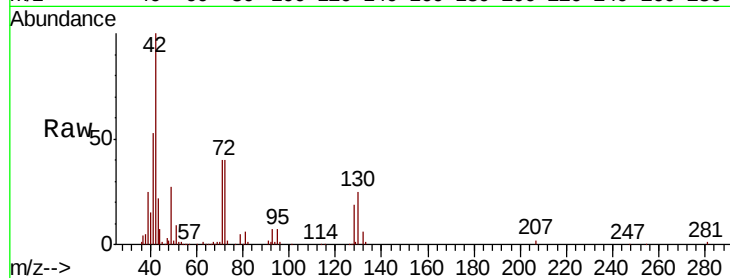
Tgt Ion: 42 Resp: 83845

Ion Ratio Lower Upper

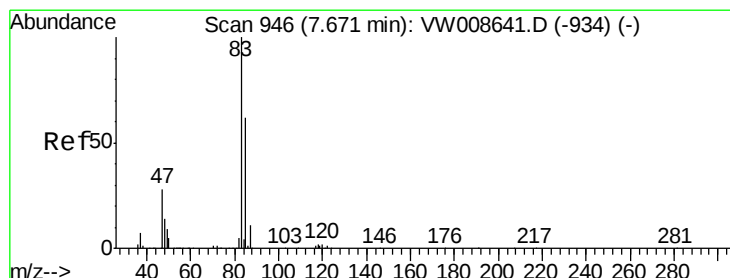
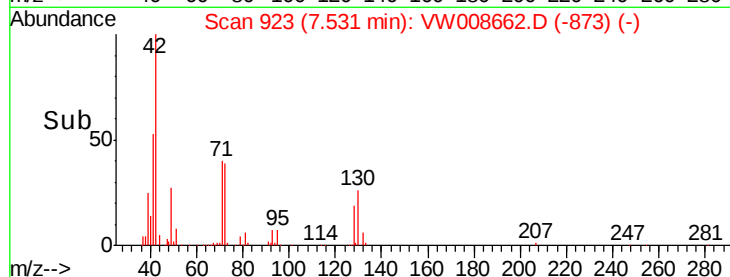
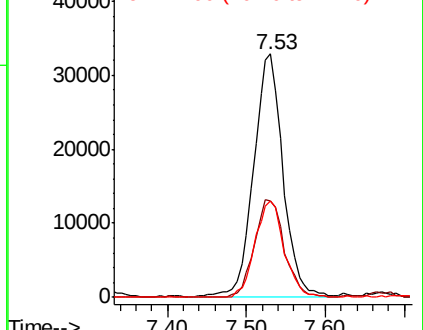
42 100

72 41.5 32.2 48.2

71 39.6 31.0 46.6



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: 20.768 ug/l

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW008662.D

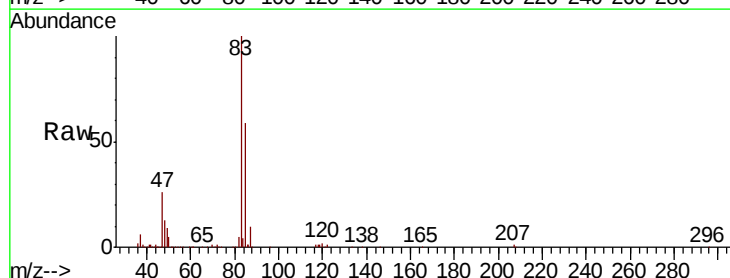
Acq: 14 Feb 2019 13:26

Tgt Ion: 83 Resp: 157526

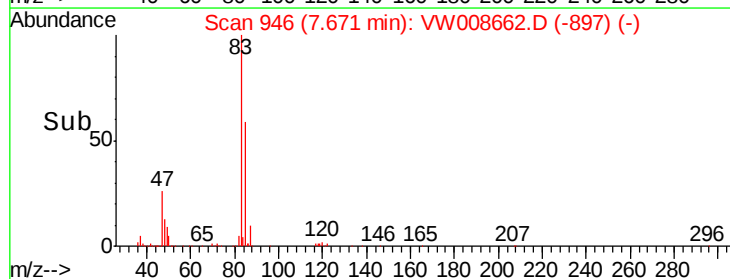
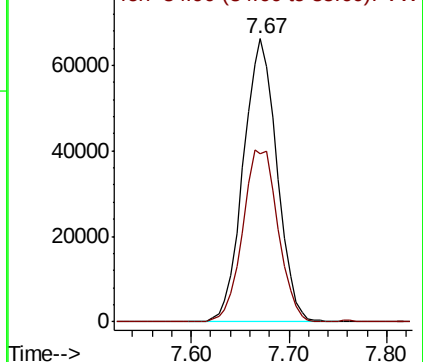
Ion Ratio Lower Upper

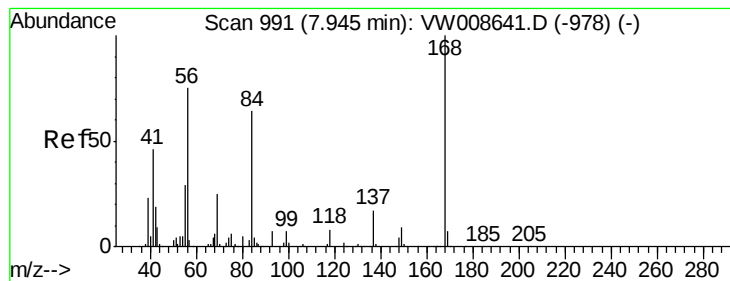
83 100

85 59.3 49.8 74.8



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





#31

Cyclohexane

Concen: 20.473 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW008662.D

Acq: 14 Feb 2019 13:26

Instrument :

MSVOA_W

ClientSampleId :

VW0214SBSD01

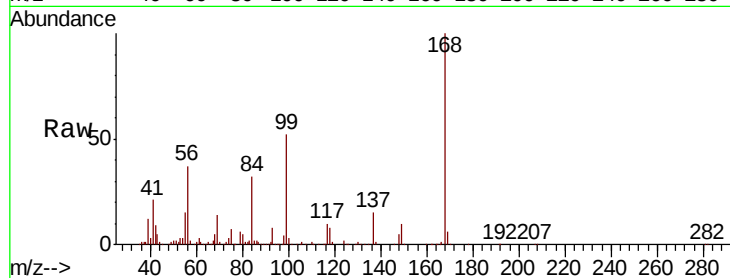
Tgt Ion: 56 Resp: 156428

Ion Ratio Lower Upper

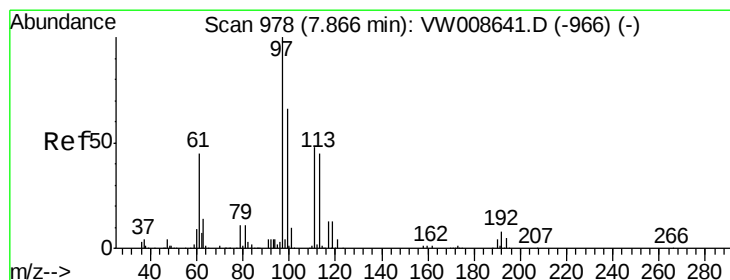
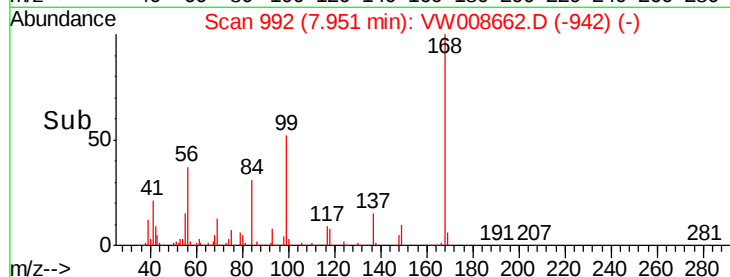
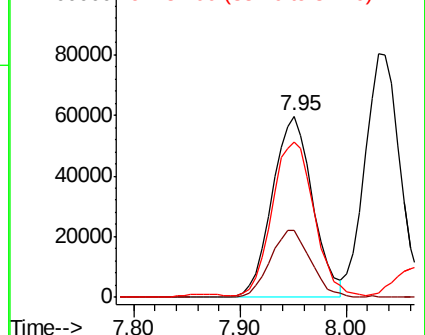
56 100

69 36.7 26.4 39.6

84 84.4 67.4 101.2



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: 21.539 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.00 min

Lab File: VW008662.D

Acq: 14 Feb 2019 13:26

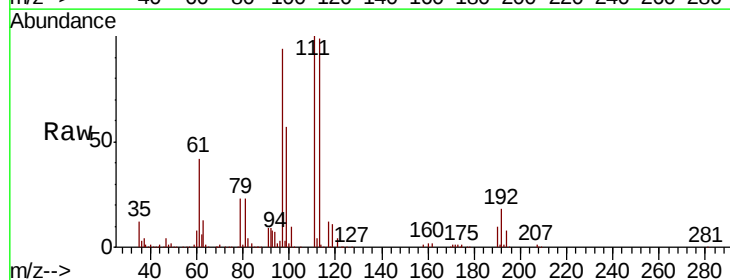
Tgt Ion: 97 Resp: 137978

Ion Ratio Lower Upper

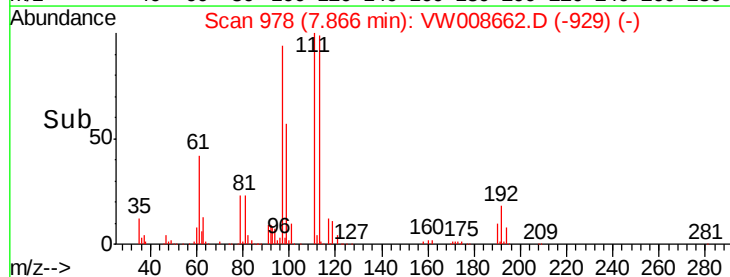
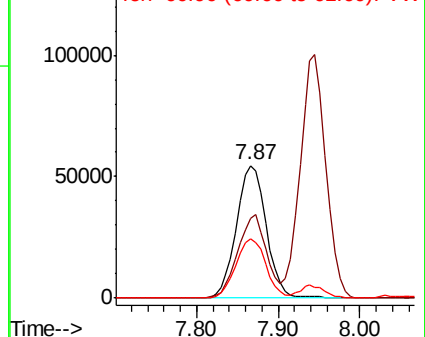
97 100

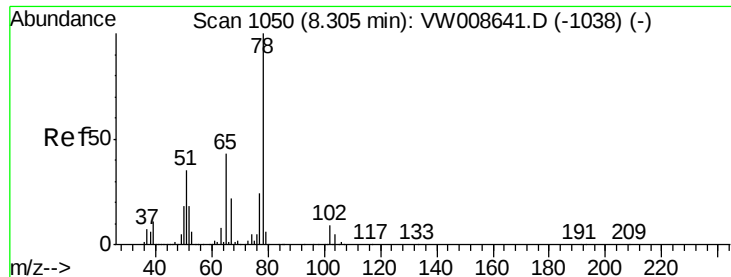
99 61.0 51.6 77.4

61 45.0 35.8 53.6



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

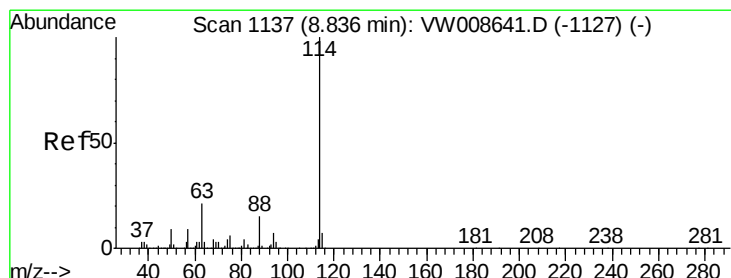
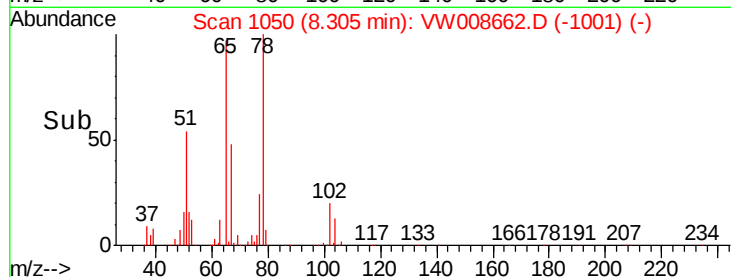
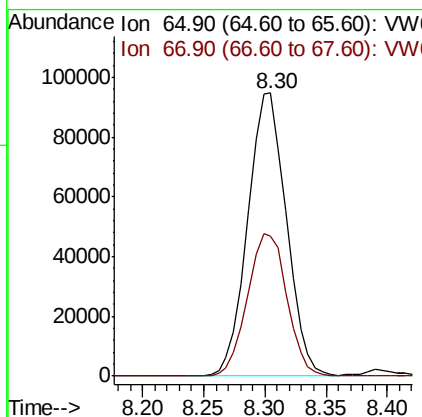
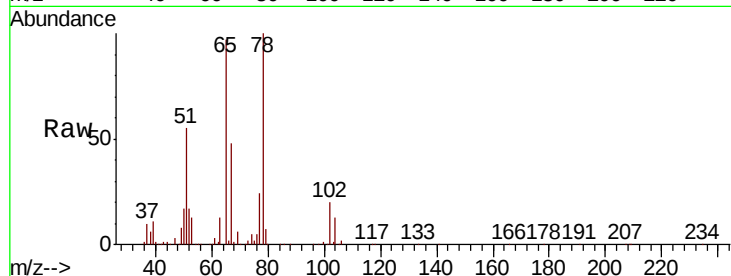




#33
 1,2-Dichloroethane-d4
 Concen: 49.960 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW008662.D
 Acq: 14 Feb 2019 13:26

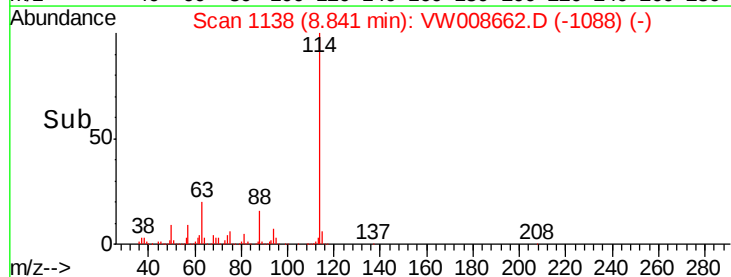
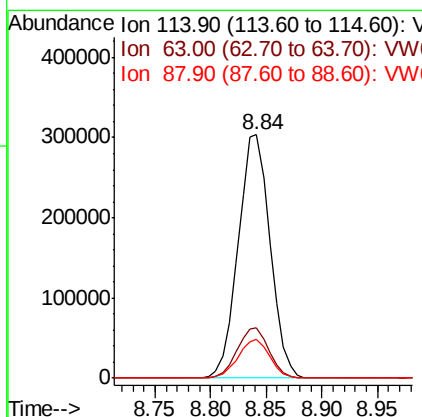
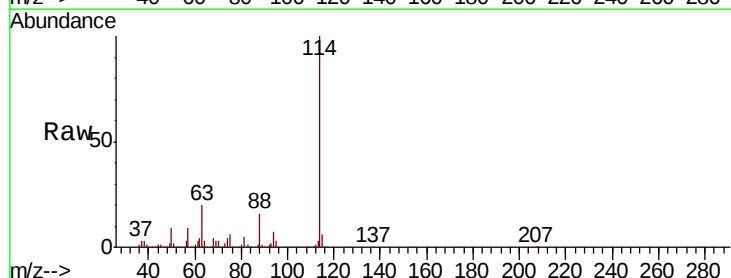
Instrument :
 MSVOA_W
 ClientSampleID :
 VW0214SBSD01

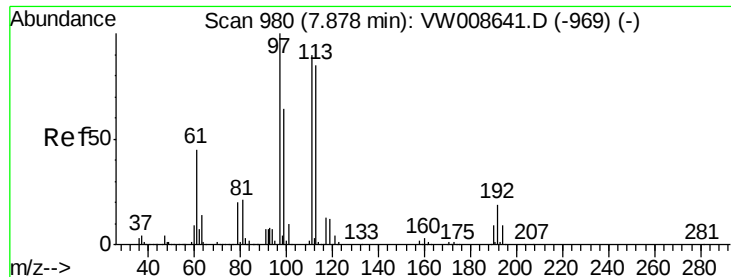
Tgt Ion: 65 Resp: 208718
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.01 min
 Lab File: VW008662.D
 Acq: 14 Feb 2019 13:26

Tgt Ion: 114 Resp: 605826
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 41.2
 88 16.1 0.0 29.6

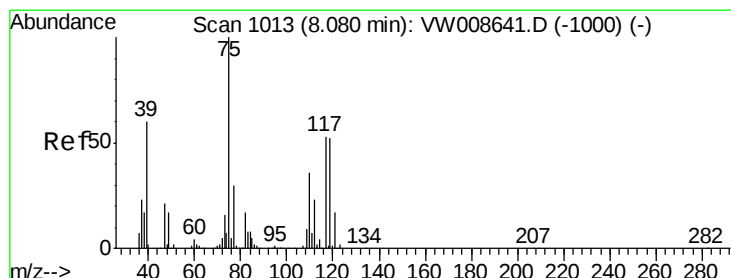
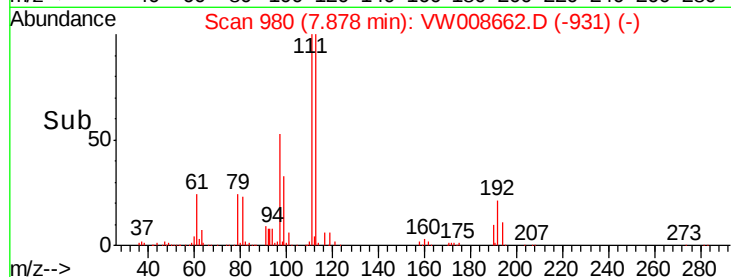
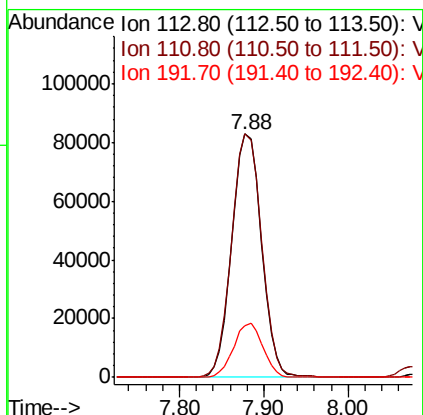
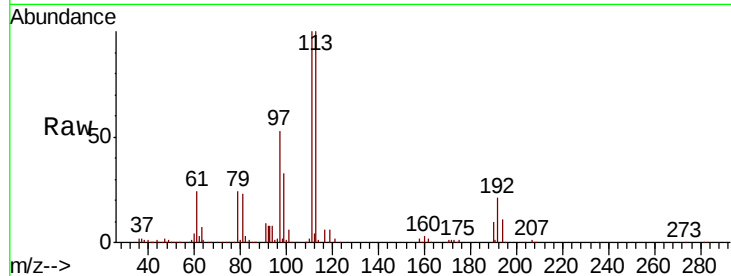




#35
 Dibromofluoromethane
 Concen: 52.348 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW008662.D
 Acq: 14 Feb 2019 13:26

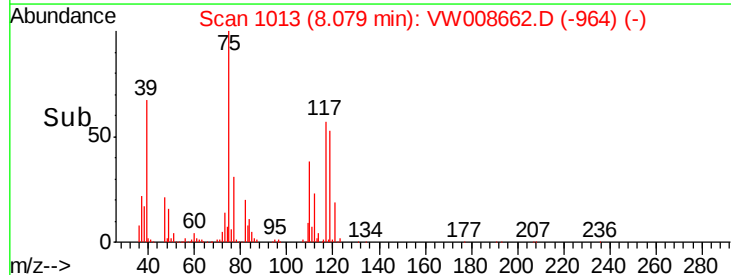
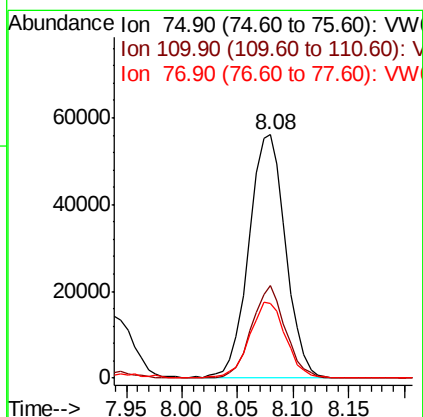
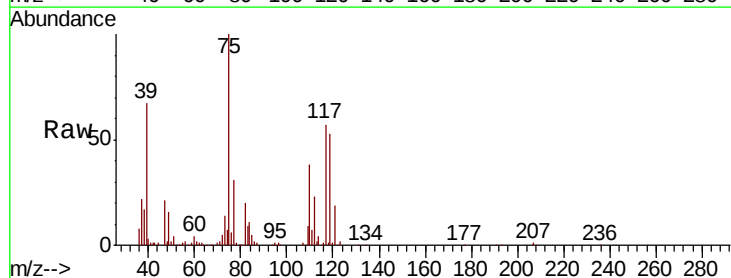
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0214SBSD01

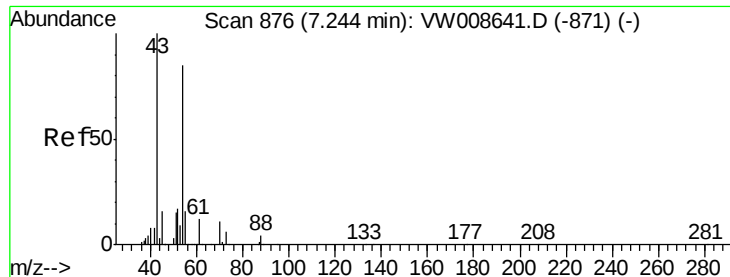
Tgt Ion: 113 Resp: 196922
 Ion Ratio Lower Upper
 113 100
 111 101.3 84.0 126.0
 192 21.7 17.4 26.2



#36
 1,1-Dichloropropene
 Concen: 21.105 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW008662.D
 Acq: 14 Feb 2019 13:26

Tgt Ion: 75 Resp: 128458
 Ion Ratio Lower Upper
 75 100
 110 35.2 17.8 53.3
 77 30.9 24.7 37.1

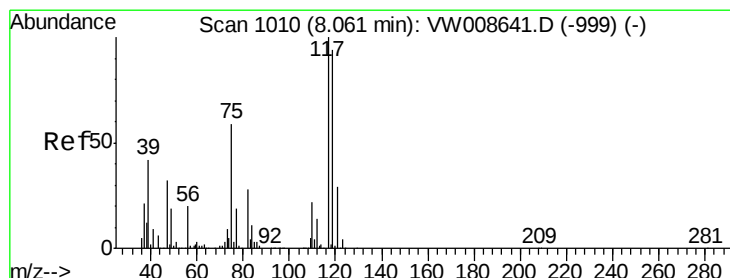
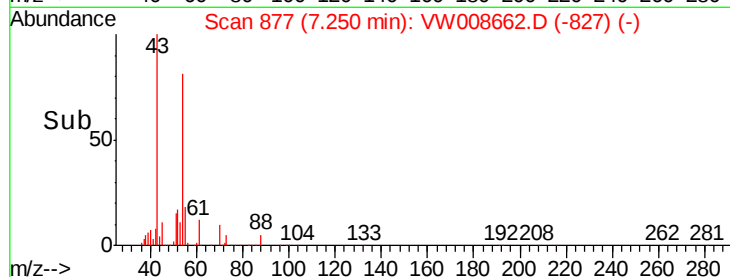
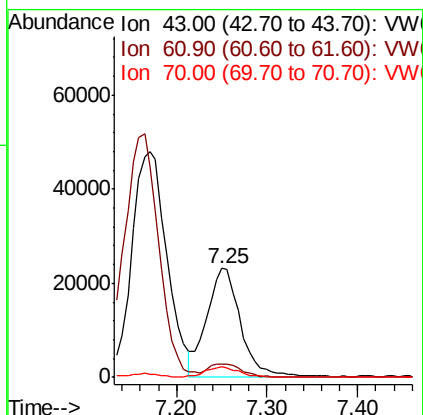
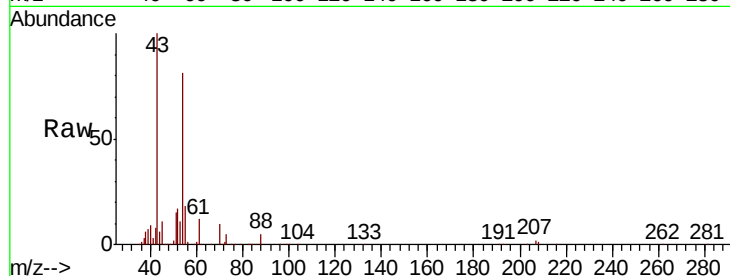




#37
 Ethyl Acetate
 Concen: 20.351 ug/l
 RT: 7.25 min Scan# 877
 Delta R.T. 0.01 min
 Lab File: VW008662.D
 Acq: 14 Feb 2019 13:26

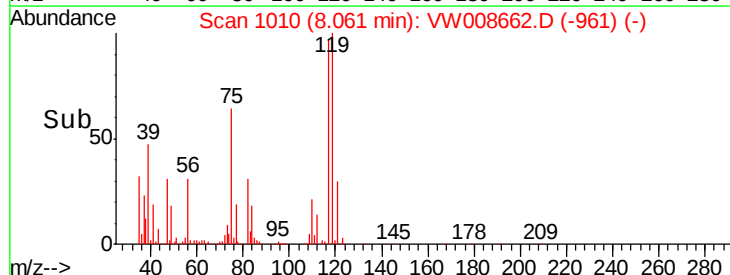
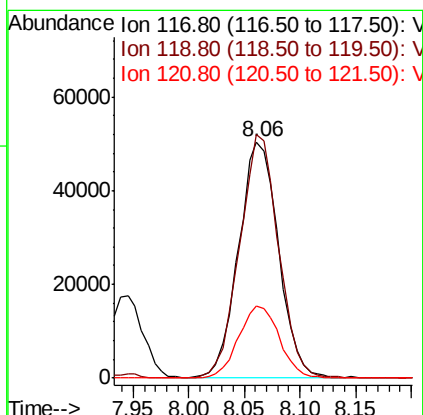
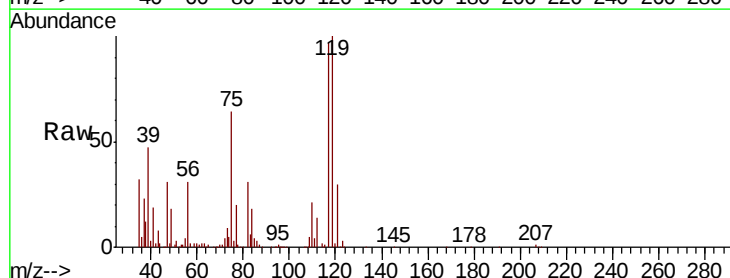
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0214SBSD01

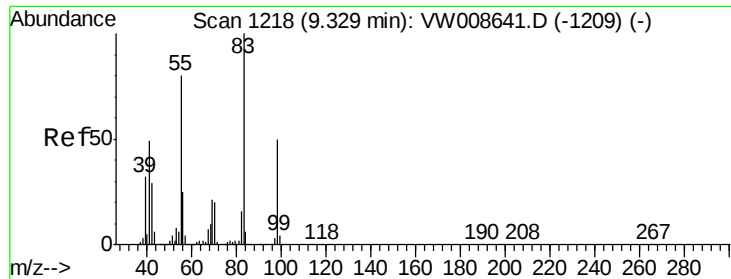
Tgt Ion: 43 Resp: 59751
 Ion Ratio Lower Upper
 43 100
 61 12.3 10.5 15.7
 70 10.2 8.1 12.1



#38
 Carbon Tetrachloride
 Concen: 20.697 ug/l
 RT: 8.06 min Scan# 1010
 Delta R.T. -0.00 min
 Lab File: VW008662.D
 Acq: 14 Feb 2019 13:26

Tgt Ion: 117 Resp: 125268
 Ion Ratio Lower Upper
 117 100
 119 103.2 75.1 112.7
 121 30.6 23.5 35.3

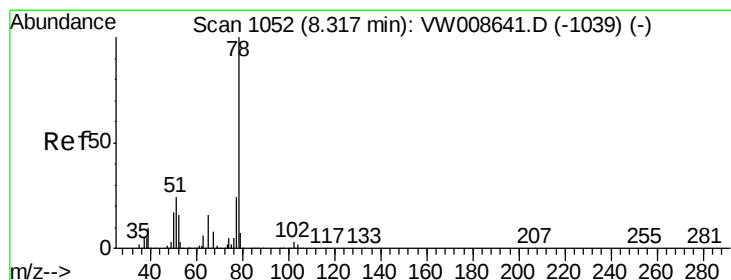
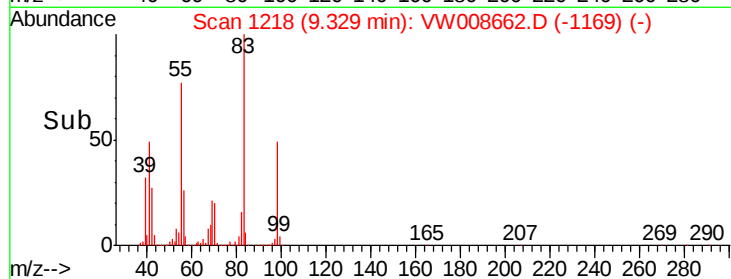
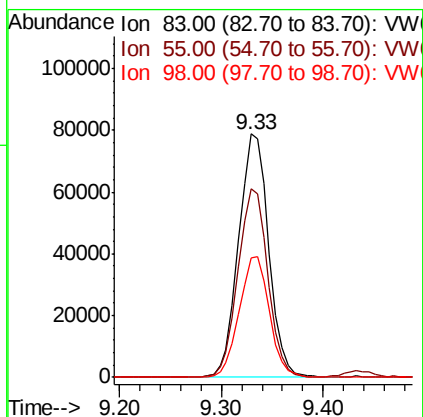
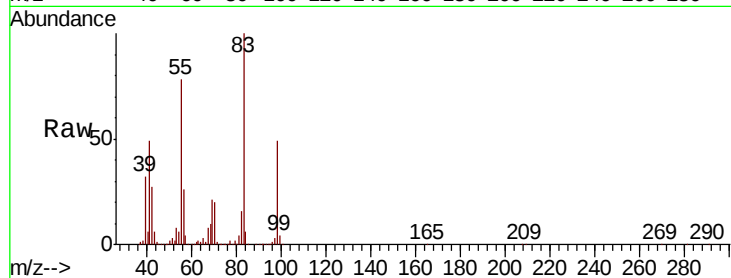




#39
Methylcyclohexane
Concen: 21.002 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.00 min
Lab File: VW008662.D
Acq: 14 Feb 2019 13:26

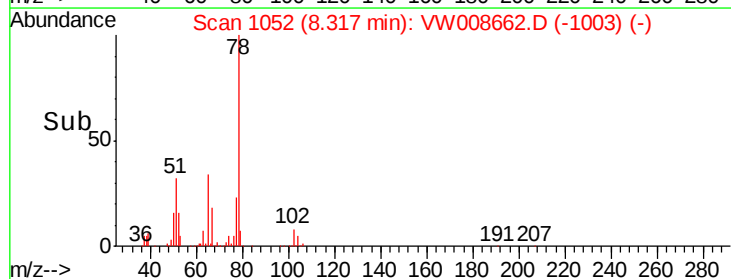
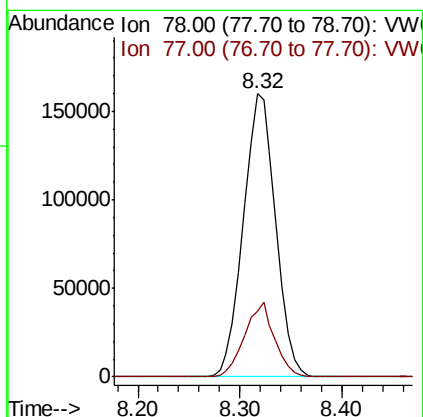
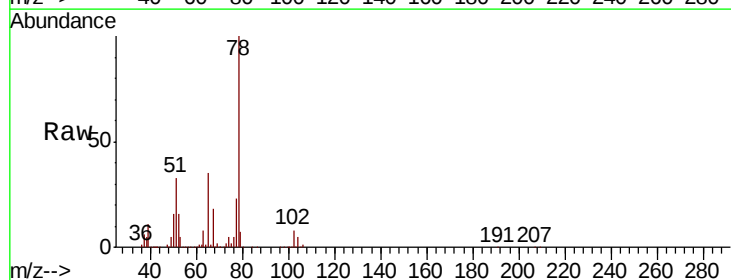
Instrument :
MSVOA_W
ClientSampleId :
VW0214SBSD01

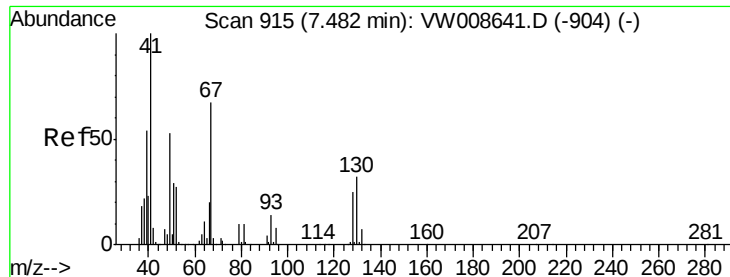
Tgt Ion: 83 Resp: 161681
Ion Ratio Lower Upper
83 100
55 77.5 63.9 95.9
98 49.1 40.2 60.2



#40
Benzene
Concen: 21.168 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VW008662.D
Acq: 14 Feb 2019 13:26

Tgt Ion: 78 Resp: 351873
Ion Ratio Lower Upper
78 100
77 23.1 19.5 29.3





#41

Methacrylonitrile

Concen: 20.659 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW008662.D

Acq: 14 Feb 2019 13:26

Instrument :

MSVOA_W

ClientSampleId :

VW0214SBSD01

Tgt Ion: 41 Resp: 34128

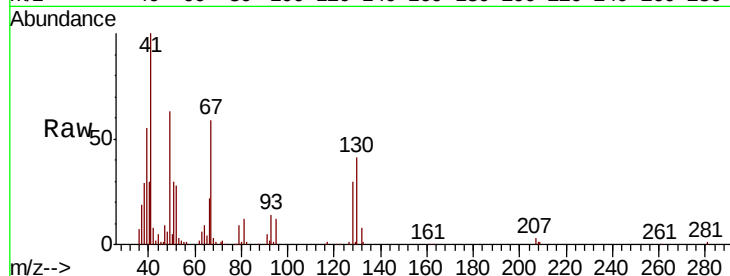
Ion Ratio Lower Upper

41 100

39 56.4 39.7 59.5

67 64.7 52.5 78.7

52 30.1 23.1 34.7

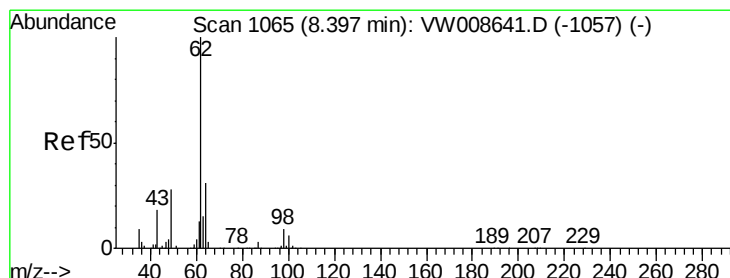
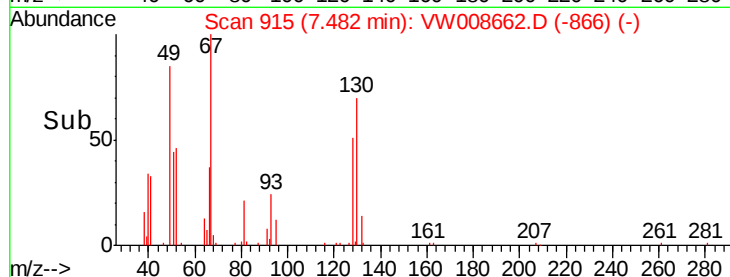
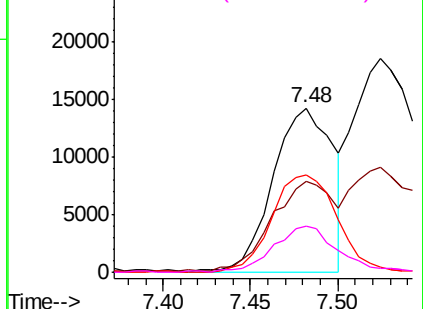


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 20.793 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW008662.D

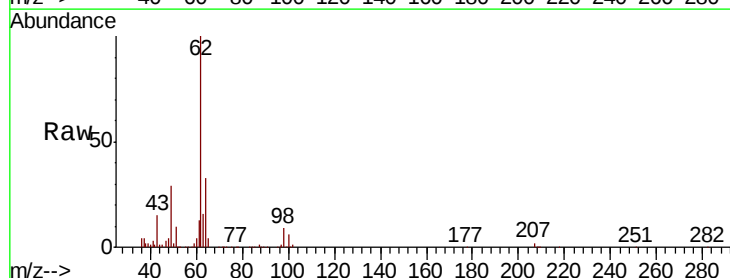
Acq: 14 Feb 2019 13:26

Tgt Ion: 62 Resp: 107212

Ion Ratio Lower Upper

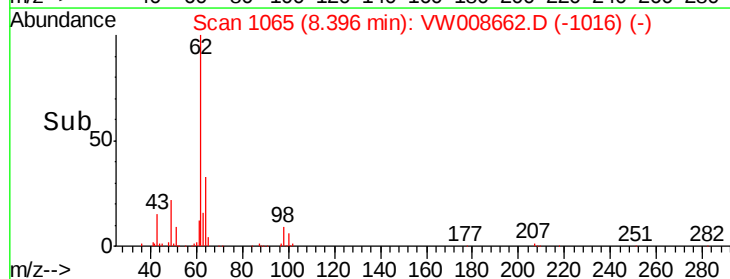
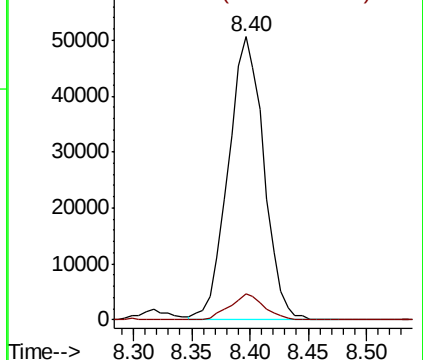
62 100

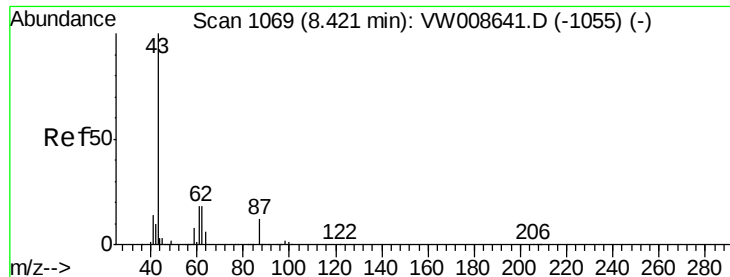
98 9.0 0.0 18.2



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 19.396 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW008662.D

Acq: 14 Feb 2019 13:26

Instrument :

MSVOA_W

ClientSampleId :

VW0214SBSD01

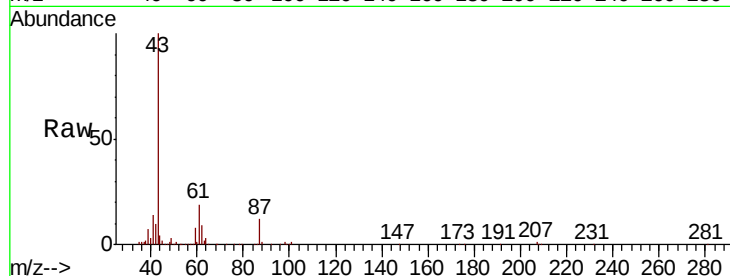
Tgt Ion: 43 Resp: 113555

Ion Ratio Lower Upper

43 100

61 29.1 21.4 32.2

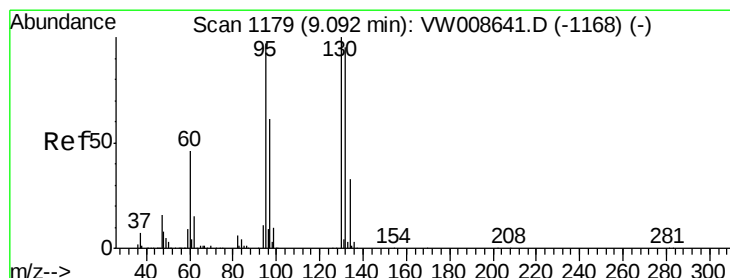
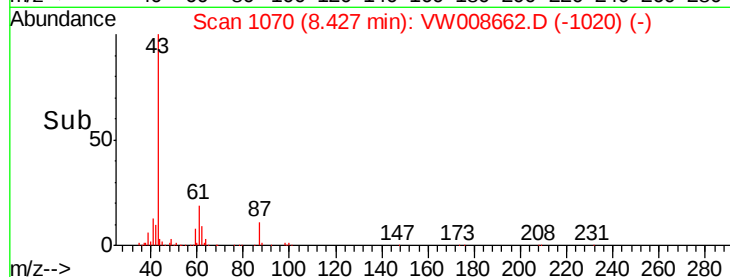
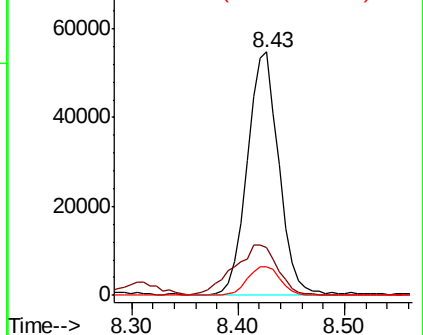
87 12.2 9.8 14.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 21.083 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW008662.D

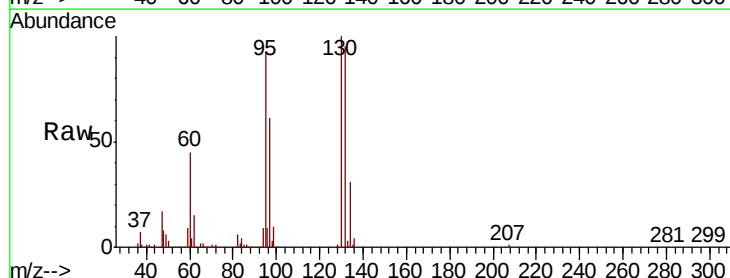
Acq: 14 Feb 2019 13:26

Tgt Ion: 130 Resp: 97171

Ion Ratio Lower Upper

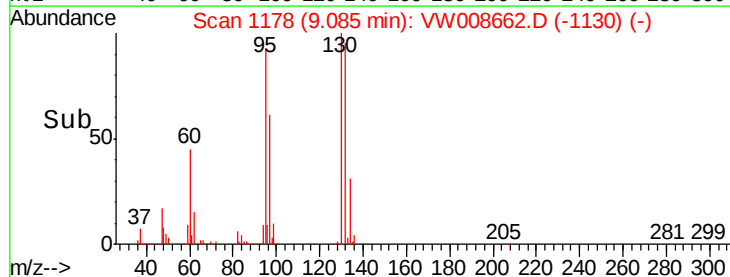
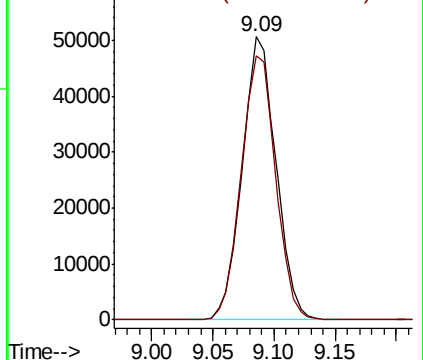
130 100

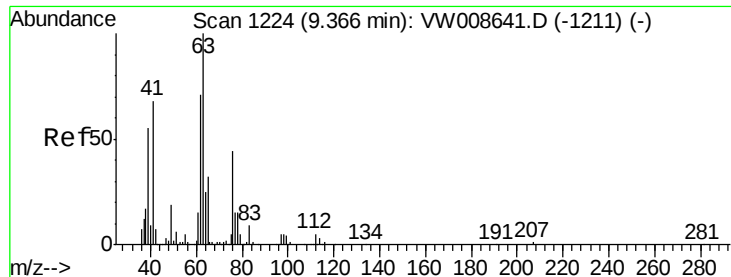
95 93.3 0.0 193.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 20.822 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW008662.D

Acq: 14 Feb 2019 13:26

Instrument :

MSVOA_W

ClientSampleId :

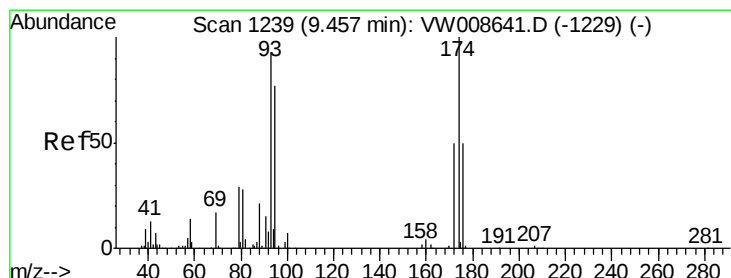
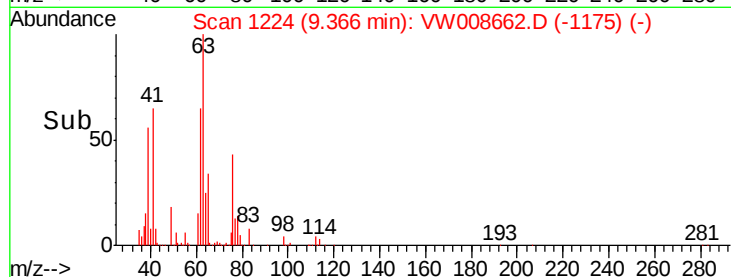
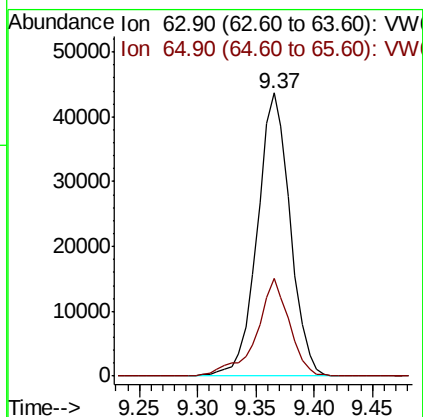
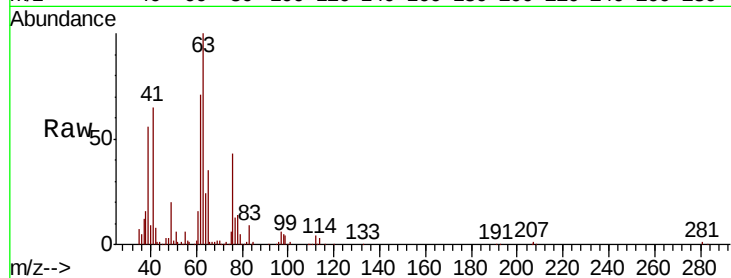
VW0214SBSD01

Tgt Ion: 63 Resp: 85659

Ion Ratio Lower Upper

63 100

65 34.3 25.4 38.0



#46

Dibromomethane

Concen: 20.759 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW008662.D

Acq: 14 Feb 2019 13:26

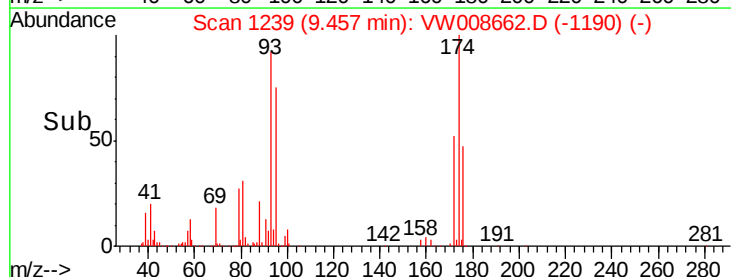
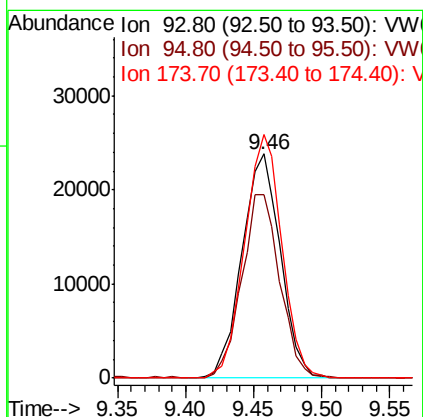
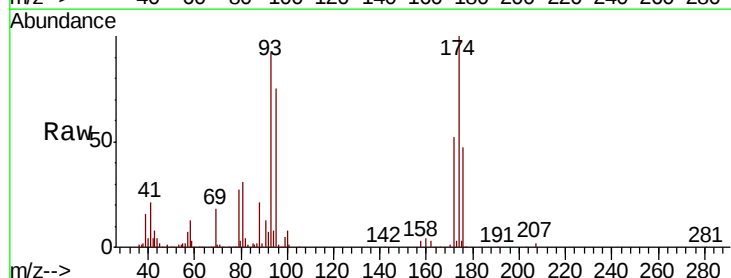
Tgt Ion: 93 Resp: 47045

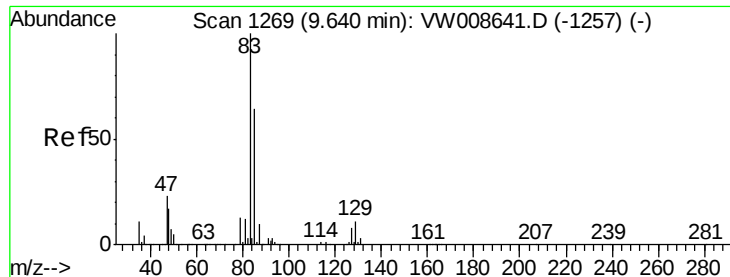
Ion Ratio Lower Upper

93 100

95 81.4 65.8 98.8

174 105.7 82.5 123.7





#47

Bromodichloromethane

Concen: 20.584 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW008662.D

Acq: 14 Feb 2019 13:26

Instrument :

MSVOA_W

ClientSampleId :

VW0214SBSD01

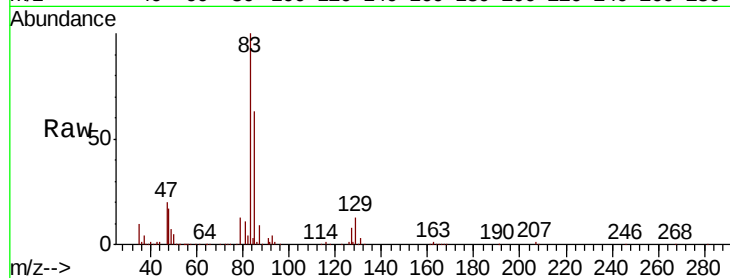
Tgt Ion: 83 Resp: 112109

Ion Ratio Lower Upper

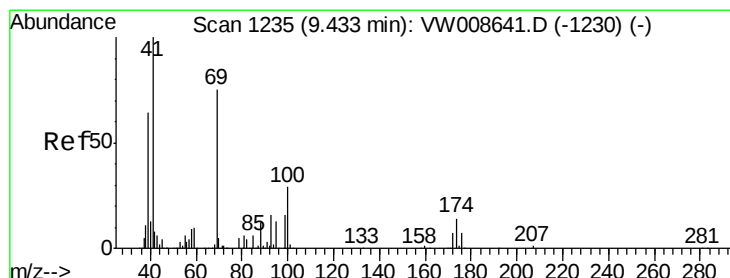
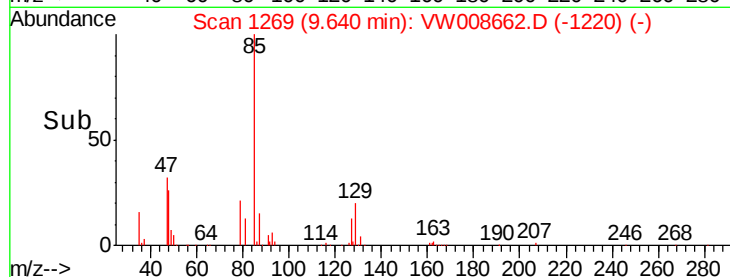
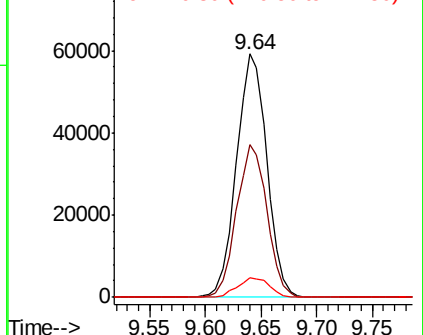
83 100

85 62.6 51.2 76.8

127 7.9 6.4 9.6



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



#48

Methyl methacrylate

Concen: 19.349 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.01 min

Lab File: VW008662.D

Acq: 14 Feb 2019 13:26

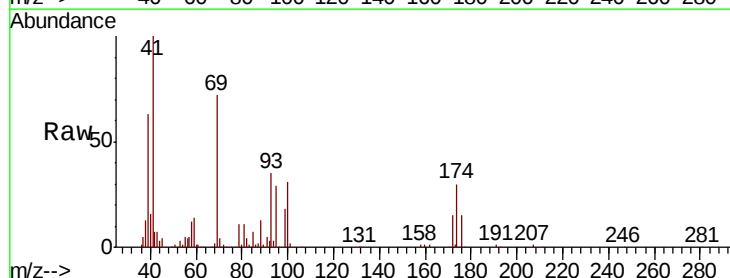
Tgt Ion: 41 Resp: 52499

Ion Ratio Lower Upper

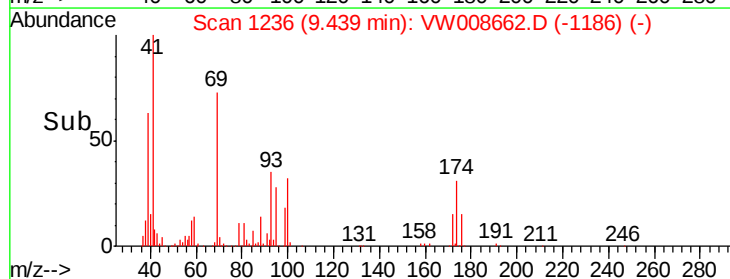
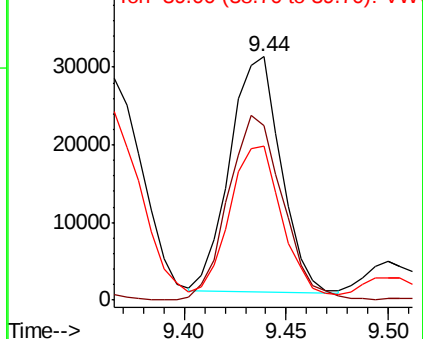
41 100

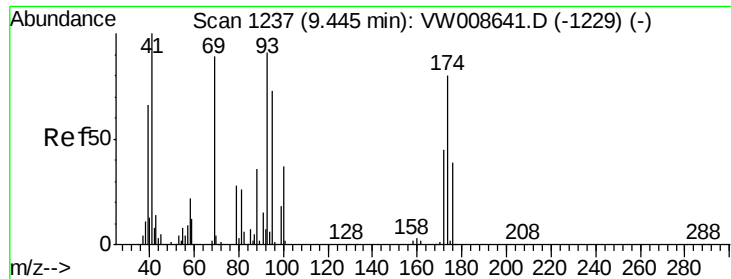
69 84.2 64.1 96.1

39 64.0 52.3 78.5



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

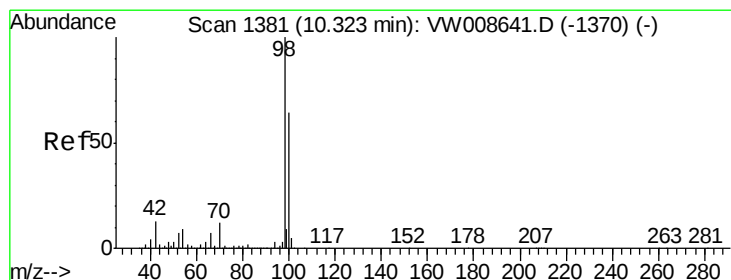
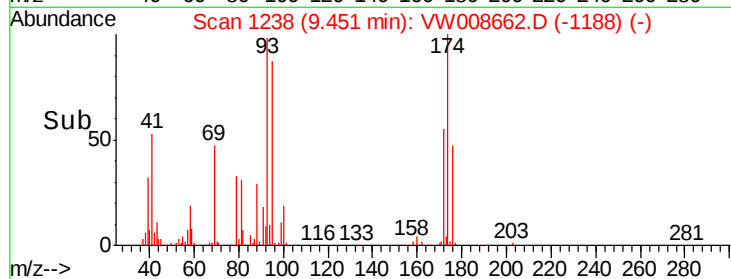
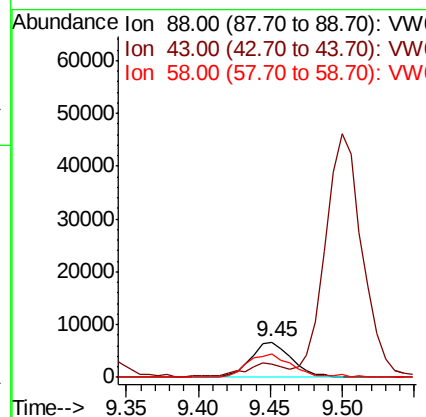
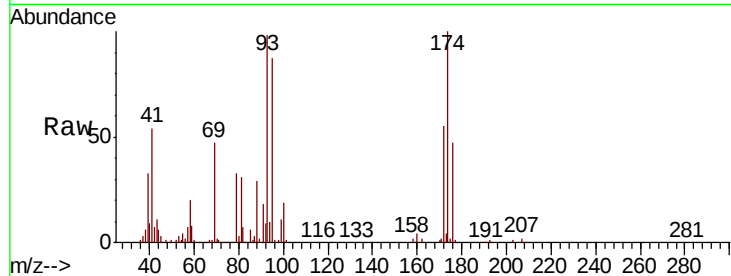




#49
1,4-Dioxane
Concen: 361.366 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW008662.D
Acq: 14 Feb 2019 13:26

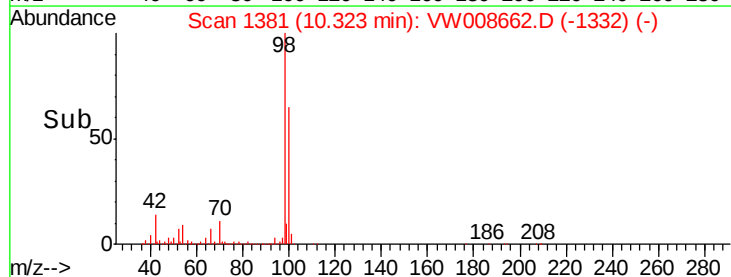
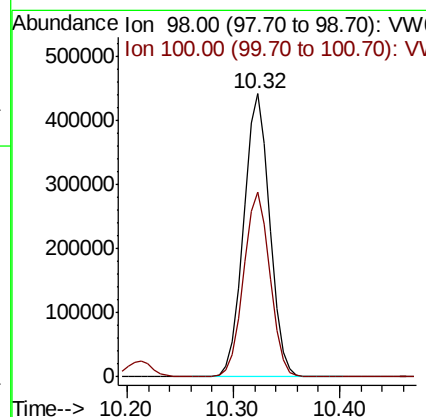
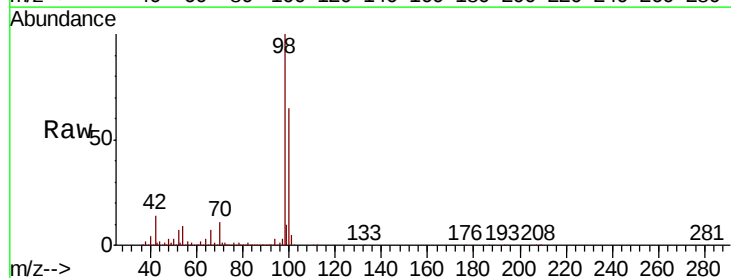
Instrument :
MSVOA_W
ClientSampleId :
VW0214SBSD01

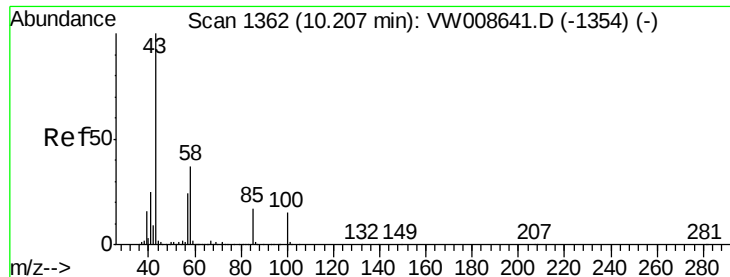
Tgt Ion: 88 Resp: 13072
Ion Ratio Lower Upper
88 100
43 35.2 31.0 46.6
58 72.9 57.0 85.6



#50
Toluene-d8
Concen: 52.150 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008662.D
Acq: 14 Feb 2019 13:26

Tgt Ion: 98 Resp: 756248
Ion Ratio Lower Upper
98 100
100 65.9 52.2 78.4

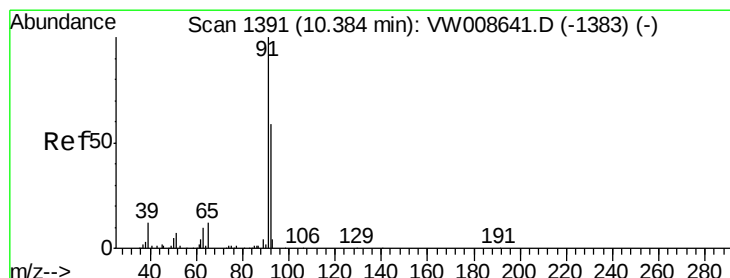
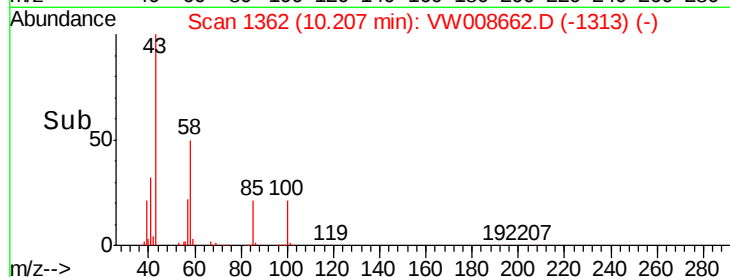
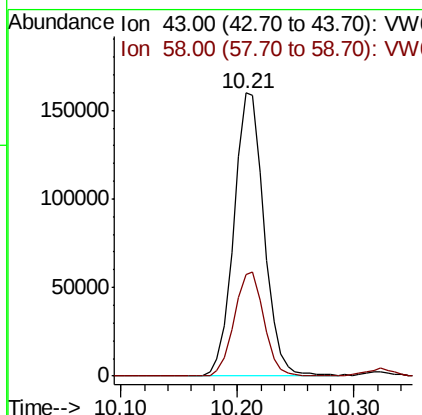
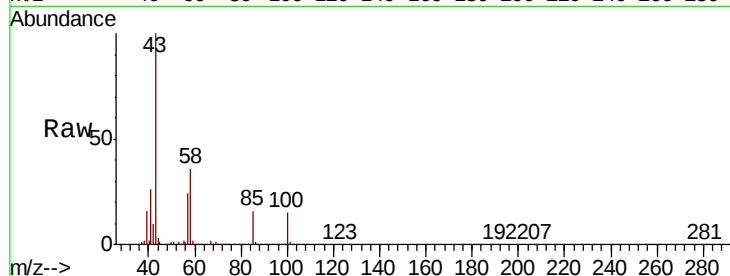




#51
 4-Methyl-2-Pentanone
 Concen: 95.776 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW008662.D
 Acq: 14 Feb 2019 13:26

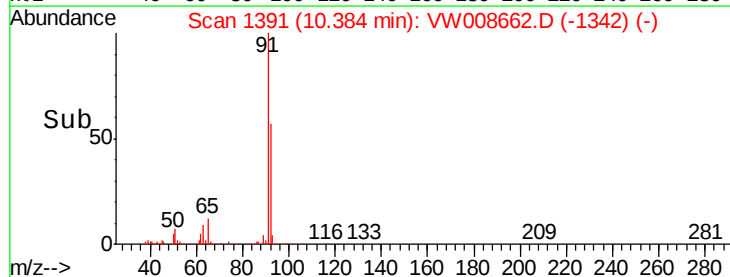
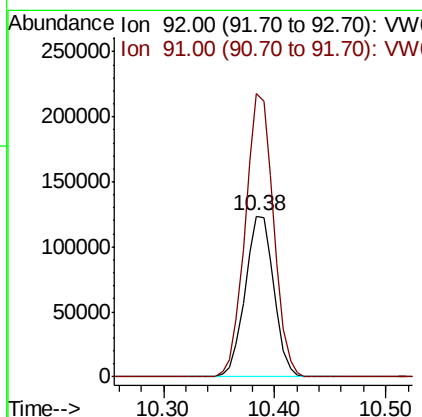
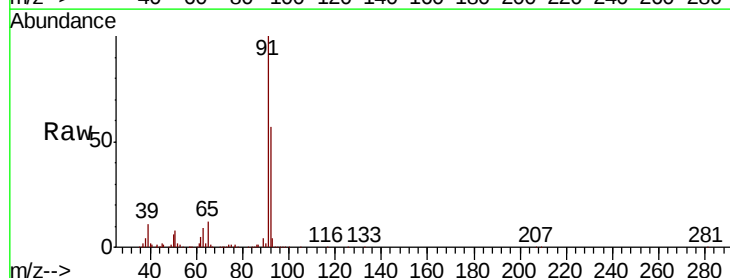
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0214SBSD01

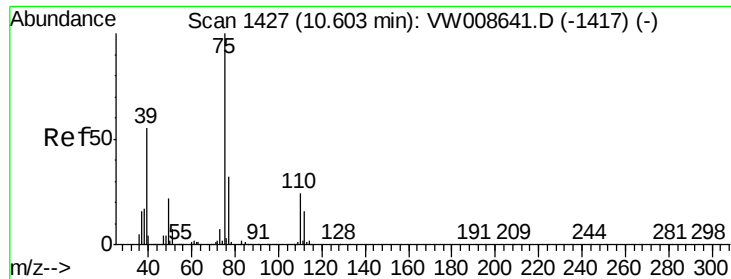
Tgt Ion: 43 Resp: 288038
 Ion Ratio Lower Upper
 43 100
 58 36.3 29.0 43.6



#52
 Toluene
 Concen: 20.683 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VW008662.D
 Acq: 14 Feb 2019 13:26

Tgt Ion: 92 Resp: 221802
 Ion Ratio Lower Upper
 92 100
 91 173.6 135.8 203.6





#53

t-1,3-Dichloropropene

Concen: 20.068 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW008662.D

Acq: 14 Feb 2019 13:26

Instrument :

MSVOA_W

ClientSampleId :

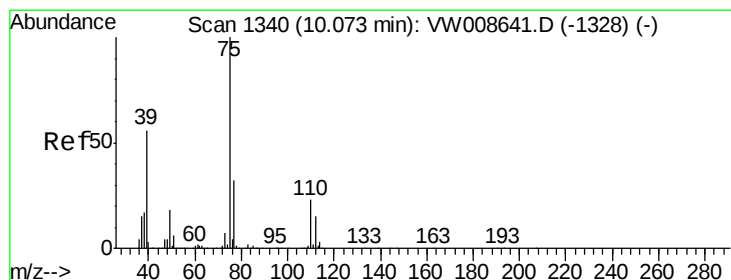
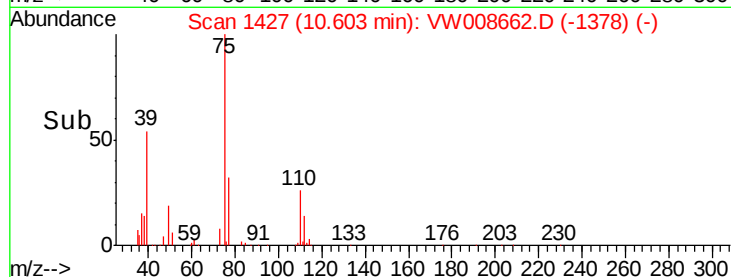
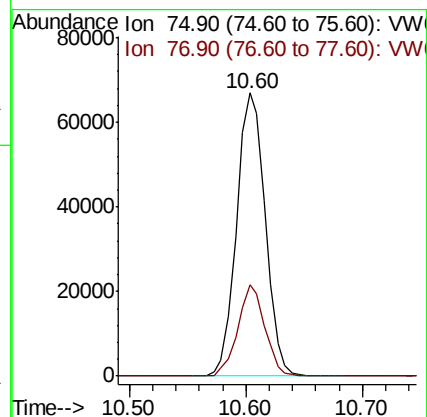
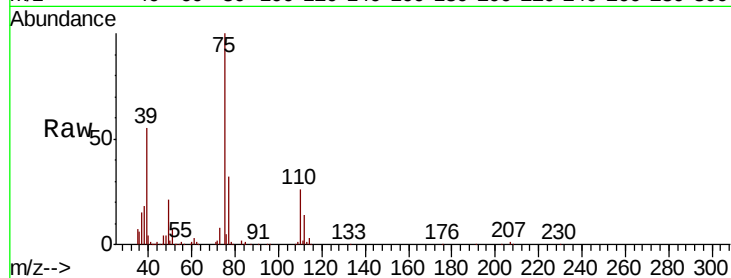
VW0214SBSD01

Tgt Ion: 75 Resp: 114824

Ion Ratio Lower Upper

75 100

77 32.2 25.7 38.5



#54

cis-1,3-Dichloropropene

Concen: 20.420 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW008662.D

Acq: 14 Feb 2019 13:26

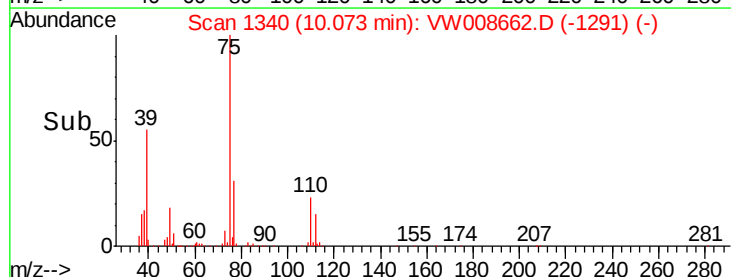
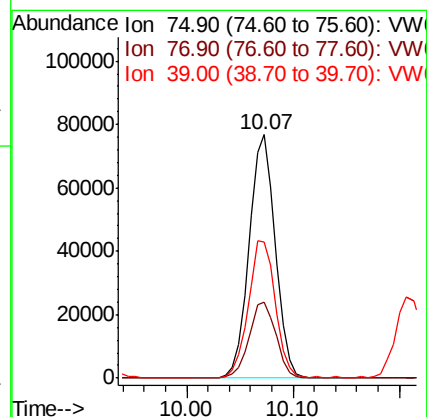
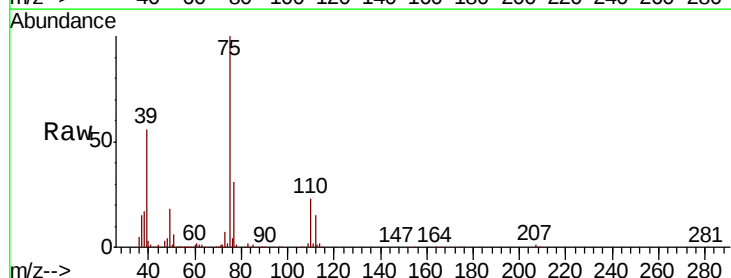
Tgt Ion: 75 Resp: 132445

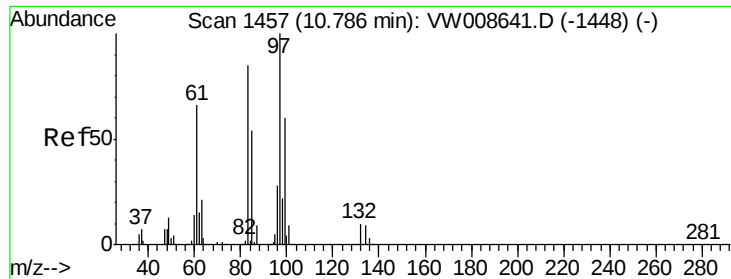
Ion Ratio Lower Upper

75 100

77 31.4 25.4 38.0

39 55.9 44.5 66.7

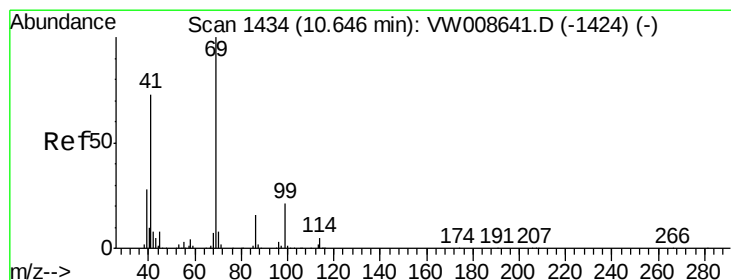
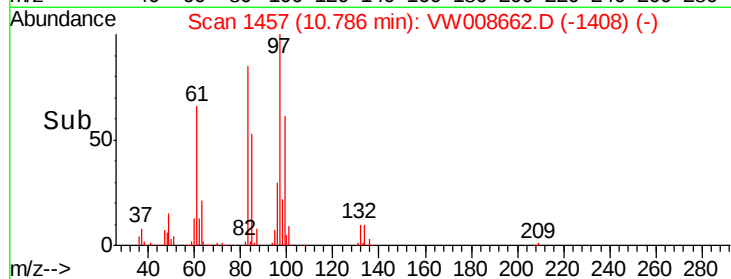
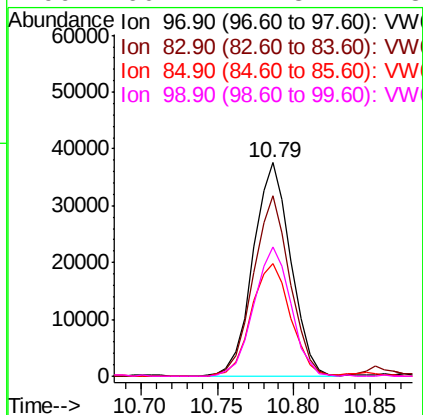
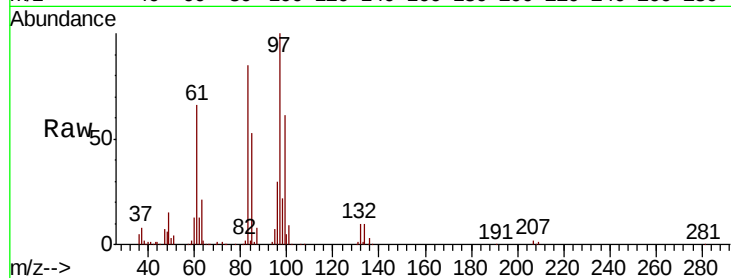




#55
 1,1,2-Trichloroethane
 Concen: 20.745 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW008662.D
 Acq: 14 Feb 2019 13:26

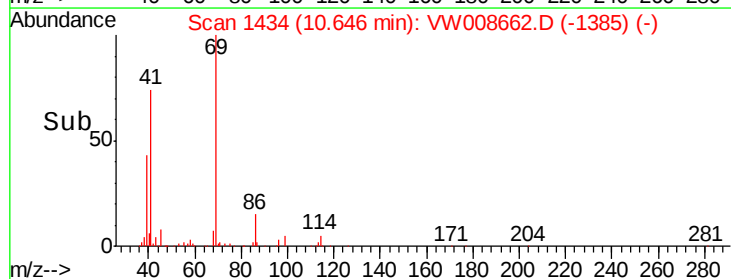
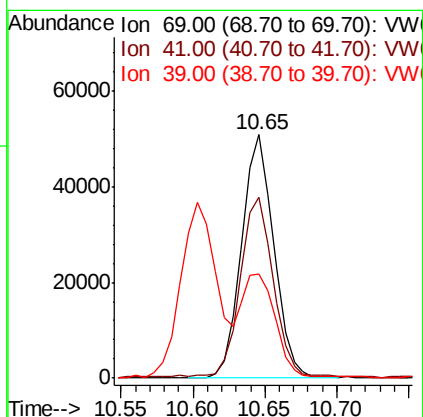
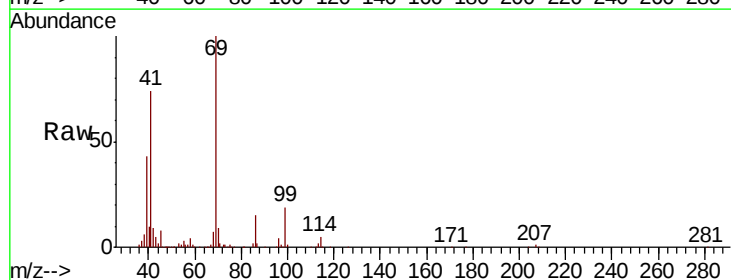
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0214SBSD01

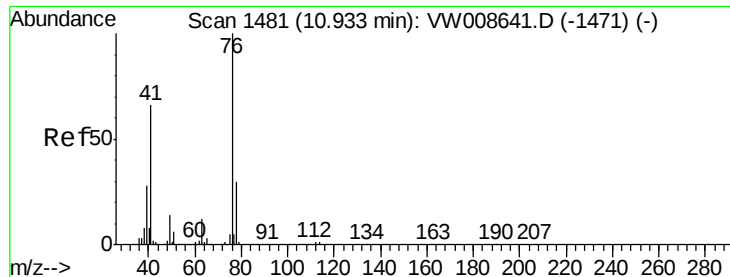
Tgt Ion:	97	Resp:	64506
Ion	Ratio	Lower	Upper
97	100		
83	84.6	68.4	102.6
85	52.5	43.1	64.7
99	60.7	47.8	71.8



#56
 Ethyl methacrylate
 Concen: 19.109 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW008662.D
 Acq: 14 Feb 2019 13:26

Tgt Ion:	69	Resp:	78900
Ion	Ratio	Lower	Upper
69	100		
41	74.0	59.0	88.4
39	44.7	34.4	51.6

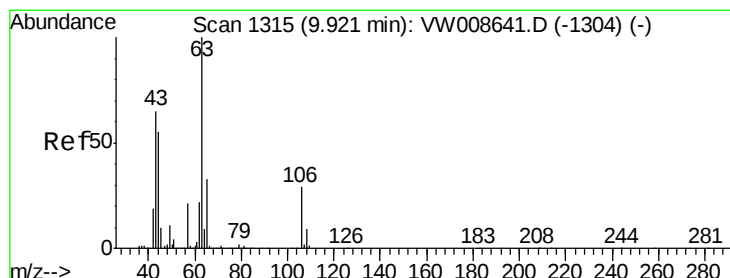
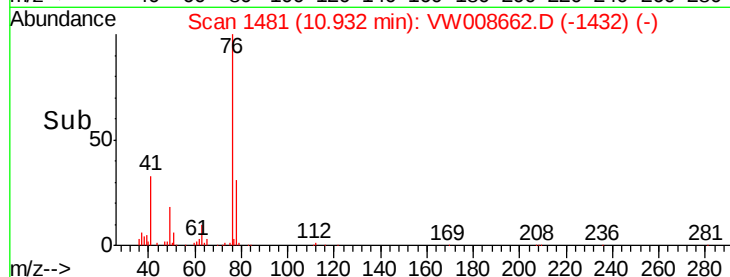
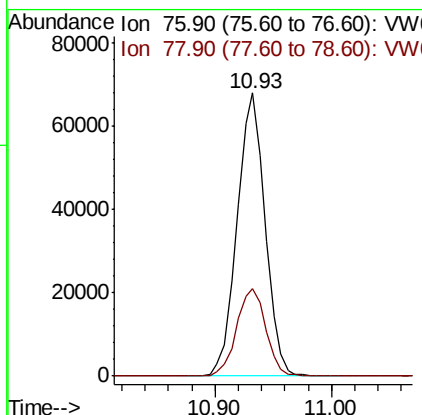
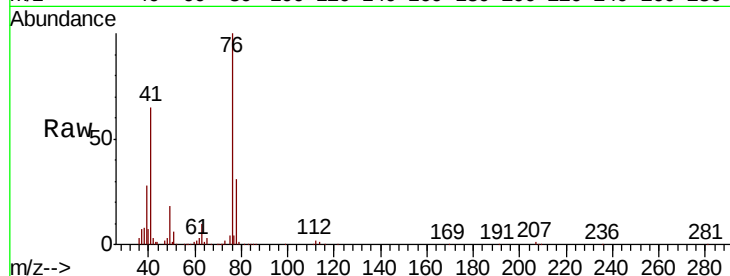




#57
 1,3-Dichloropropane
 Concen: 20.615 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW008662.D
 Acq: 14 Feb 2019 13:26

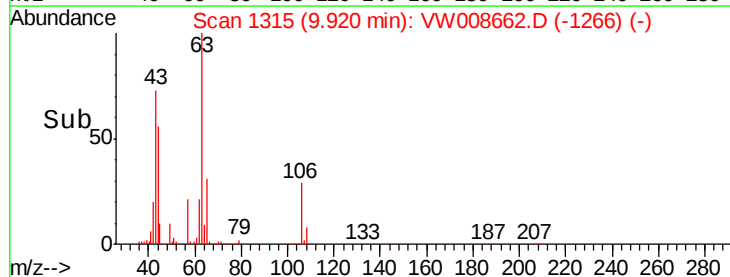
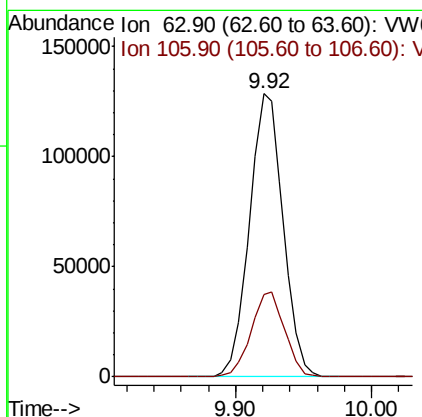
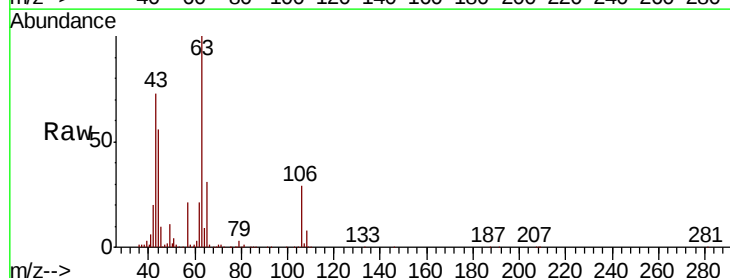
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0214SBSD01

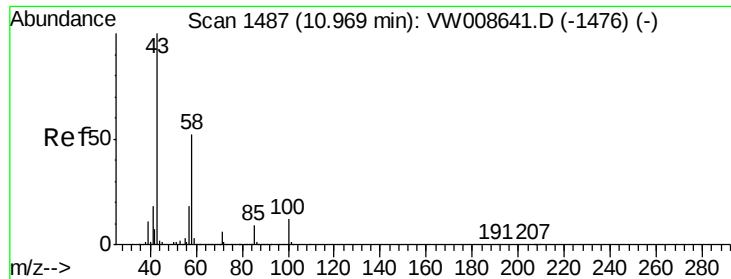
Tgt Ion: 76 Resp: 113732
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 112.825 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW008662.D
 Acq: 14 Feb 2019 13:26

Tgt Ion: 63 Resp: 223473
 Ion Ratio Lower Upper
 63 100
 106 29.7 23.4 35.2

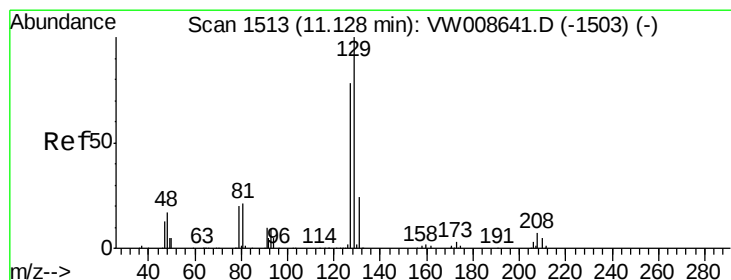
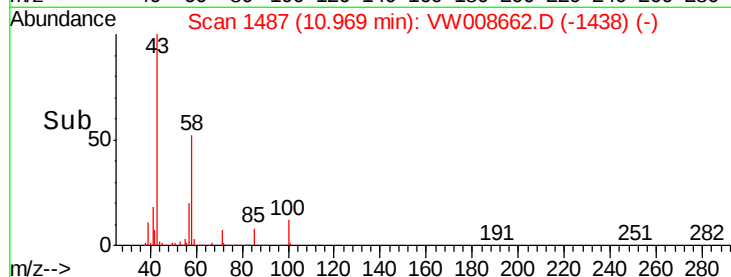
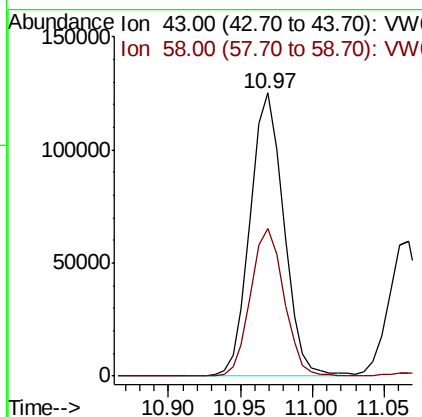
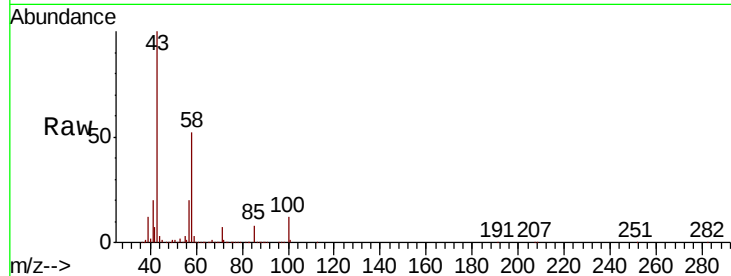




#59
2-Hexanone
Concen: 95.991 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW008662.D
Acq: 14 Feb 2019 13:26

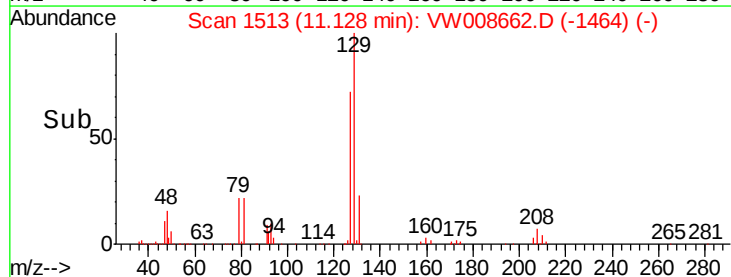
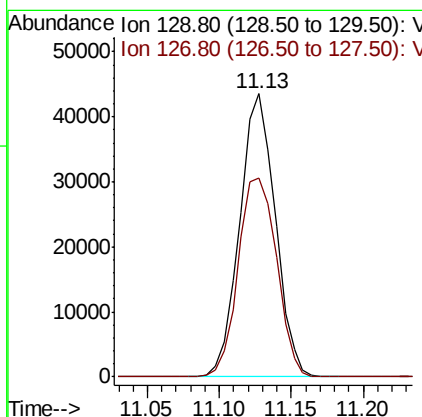
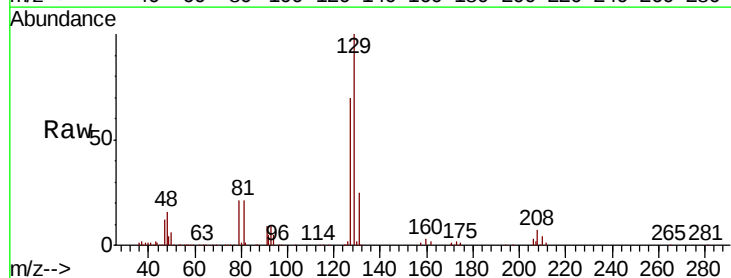
Instrument :
MSVOA_W
ClientSampleId :
VW0214SBSD01

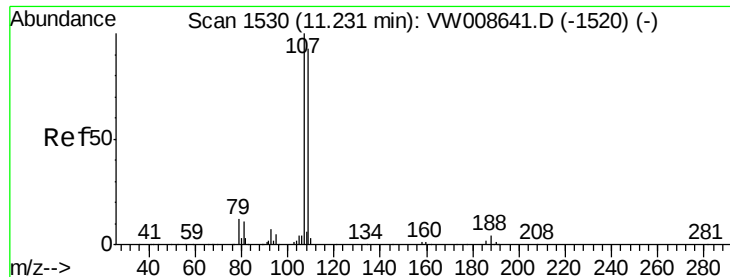
Tgt Ion: 43 Resp: 202801
Ion Ratio Lower Upper
43 100
58 51.7 25.6 76.6



#60
Dibromochloromethane
Concen: 20.030 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW008662.D
Acq: 14 Feb 2019 13:26

Tgt Ion: 129 Resp: 74523
Ion Ratio Lower Upper
129 100
127 76.0 38.5 115.3

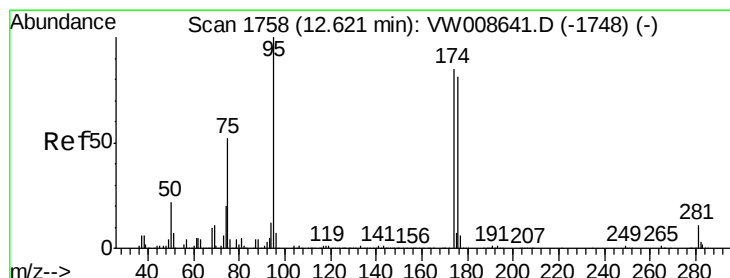
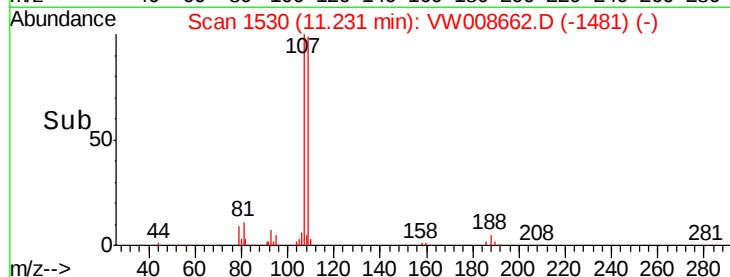
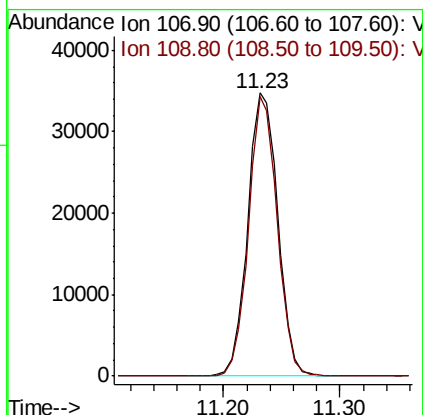
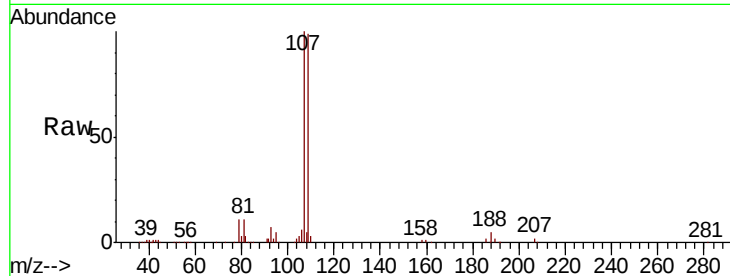




#61
 1,2-Dibromoethane
 Concen: 20.487 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW008662.D
 Acq: 14 Feb 2019 13:26

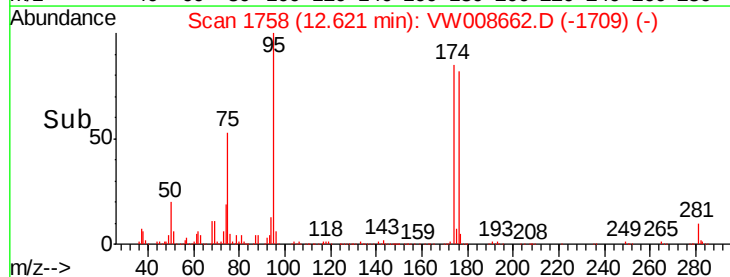
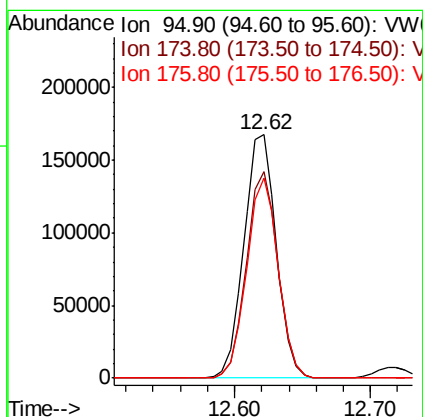
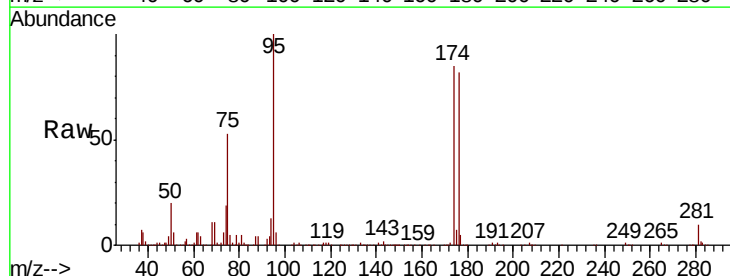
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0214SBSD01

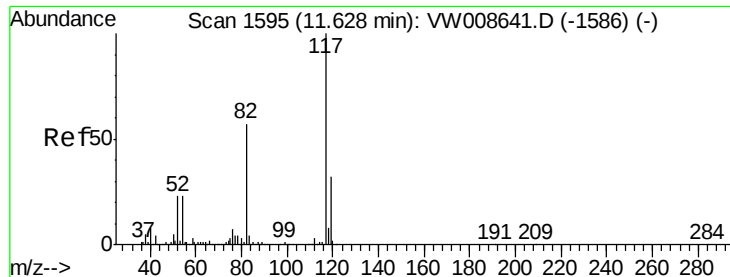
Tgt Ion: 107 Resp: 62723
 Ion Ratio Lower Upper
 107 100
 109 93.9 74.8 112.2



#62
 4-Bromofluorobenzene
 Concen: 50.907 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW008662.D
 Acq: 14 Feb 2019 13:26

Tgt Ion: 95 Resp: 278060
 Ion Ratio Lower Upper
 95 100
 174 82.9 0.0 163.2
 176 80.5 0.0 158.0

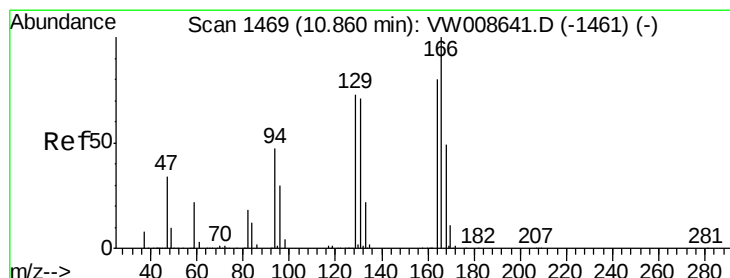
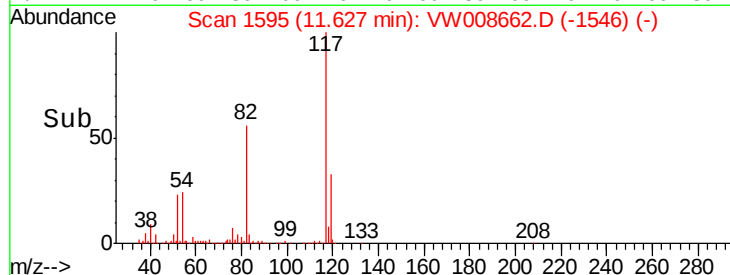
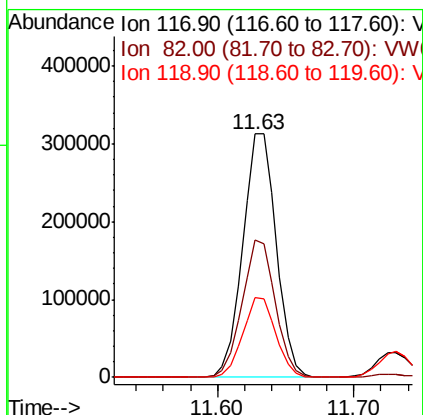
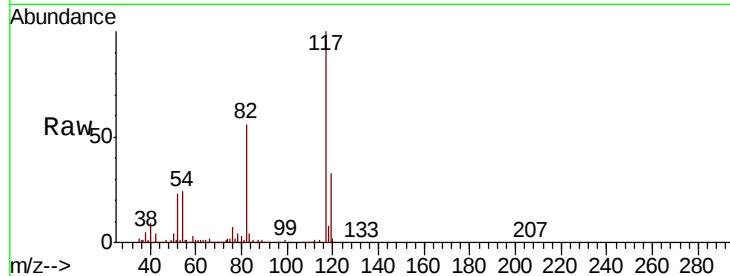




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW008662.D
Acq: 14 Feb 2019 13:26

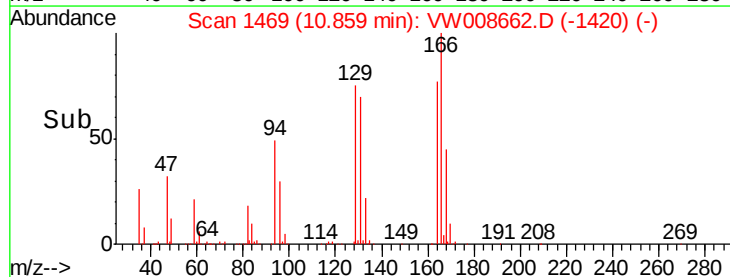
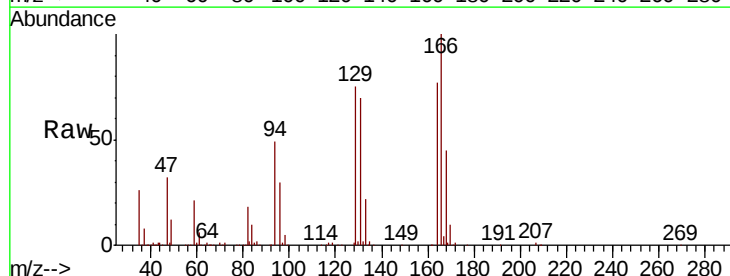
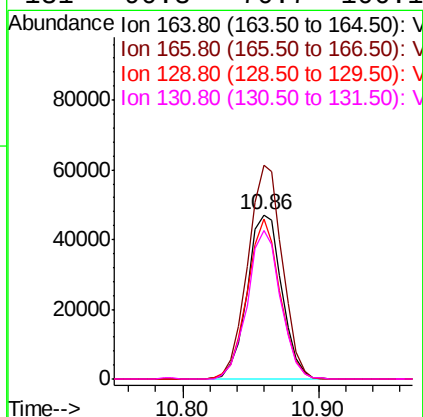
Instrument :
MSVOA_W
ClientSampleId :
VW0214SBSD01

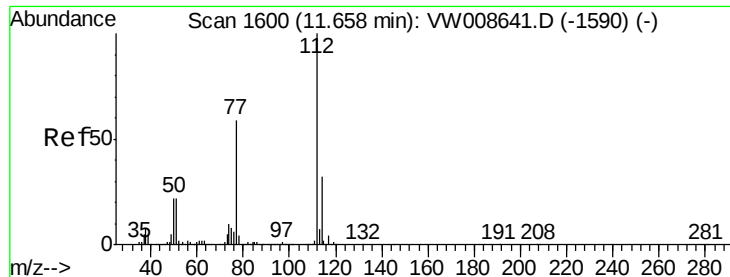
Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.2	45.6	68.4
119	32.7	25.7	38.5



#64
Tetrachloroethene
Concen: 21.024 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW008662.D
Acq: 14 Feb 2019 13:26

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.9	100.2	150.2
129	97.6	73.6	110.4
131	90.3	70.7	106.1

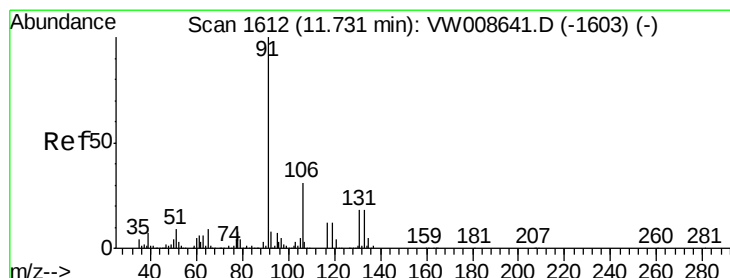
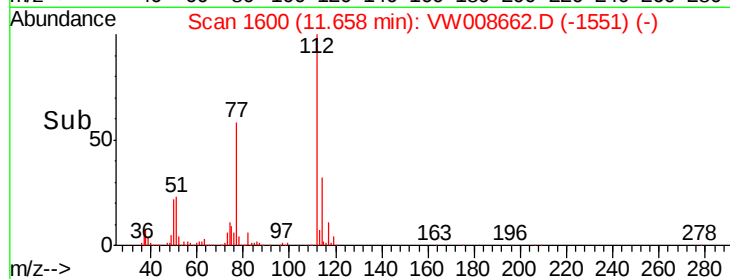
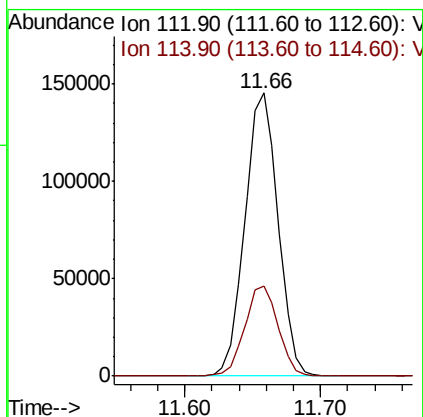
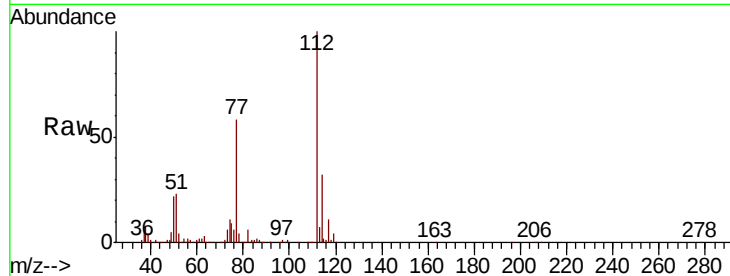




#65
Chlorobenzene
Concen: 21.409 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW008662.D
Acq: 14 Feb 2019 13:26

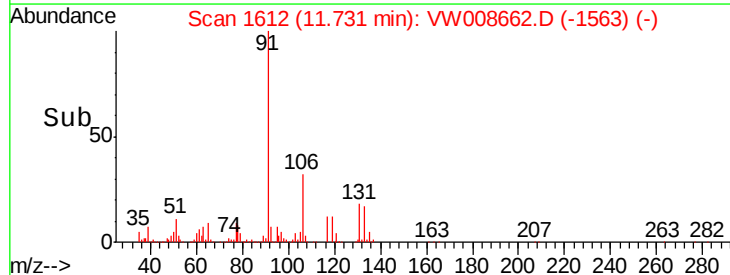
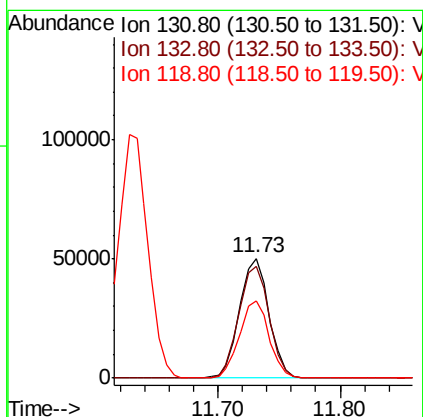
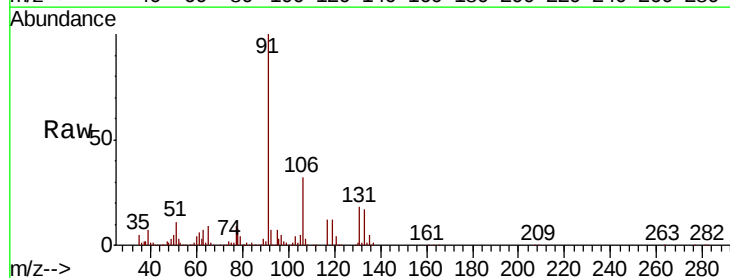
Instrument :
MSVOA_W
ClientSampleId :
VW0214SBSD01

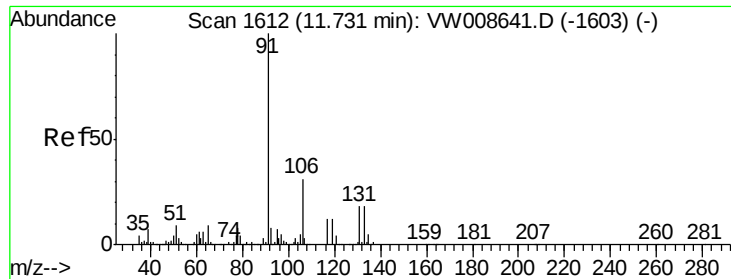
Tgt Ion:112 Resp: 248316
Ion Ratio Lower Upper
112 100
114 31.8 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 20.380 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008662.D
Acq: 14 Feb 2019 13:26

Tgt Ion:131 Resp: 83738
Ion Ratio Lower Upper
131 100
133 96.5 47.8 143.4
119 65.5 31.6 94.8

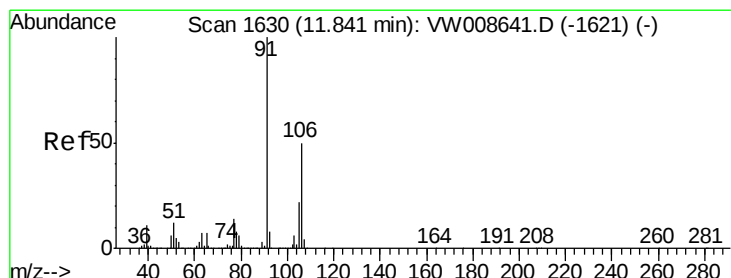
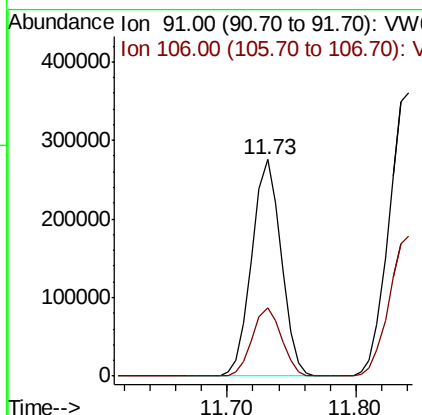
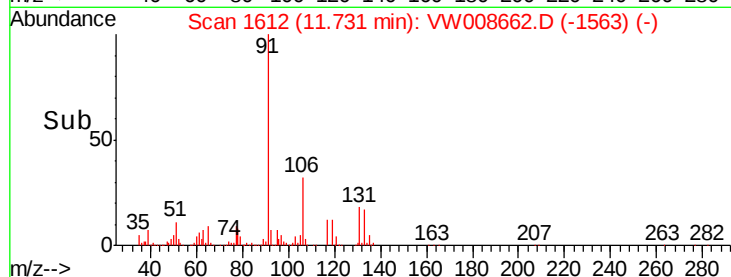
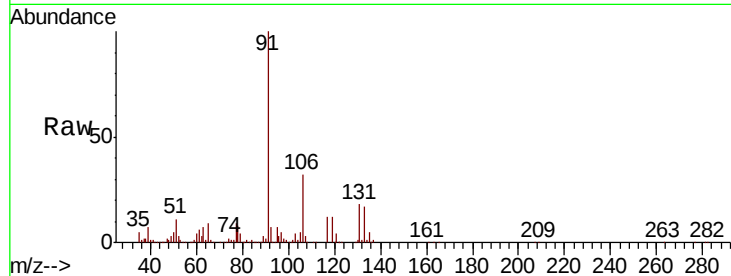




#67
Ethyl Benzene
Concen: 21.001 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008662.D
Acq: 14 Feb 2019 13:26

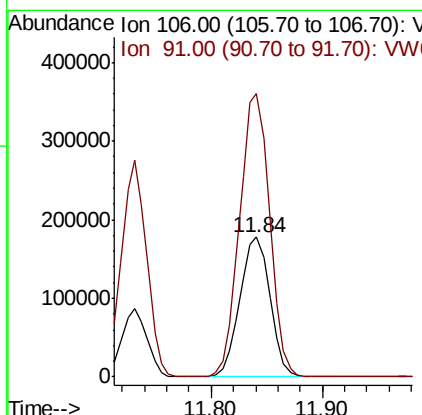
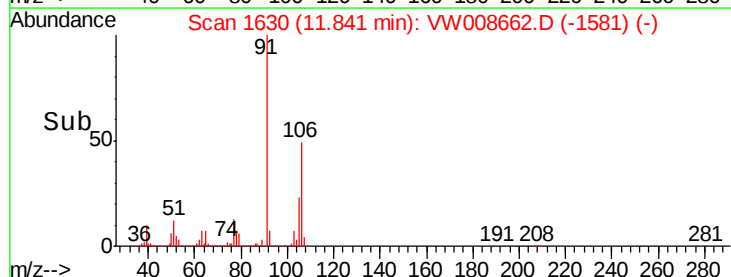
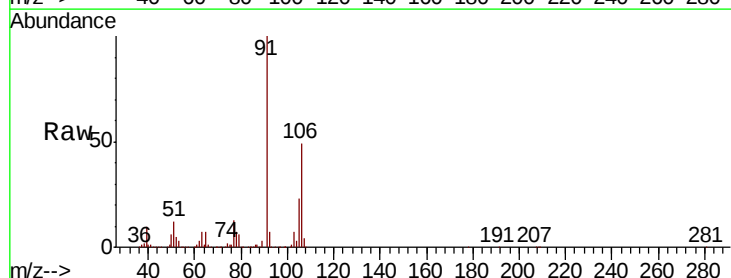
Instrument :
MSVOA_W
ClientSampleId :
VW0214SBSD01

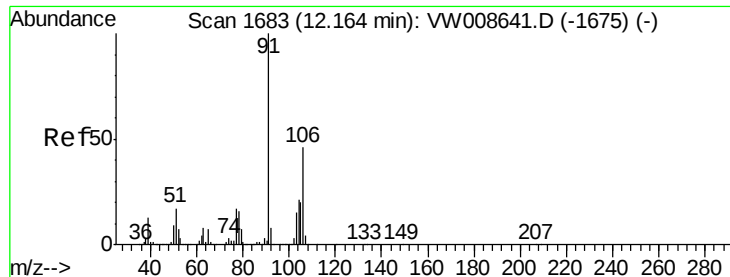
Tgt Ion: 91 Resp: 433884
Ion Ratio Lower Upper
91 100
106 31.6 24.5 36.7



#68
m/p-Xylenes
Concen: 41.664 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW008662.D
Acq: 14 Feb 2019 13:26

Tgt Ion: 106 Resp: 334928
Ion Ratio Lower Upper
106 100
91 201.5 161.0 241.4

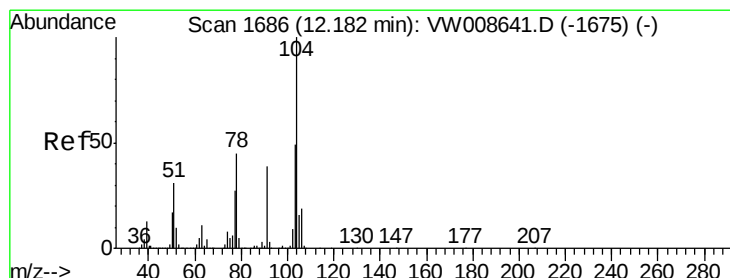
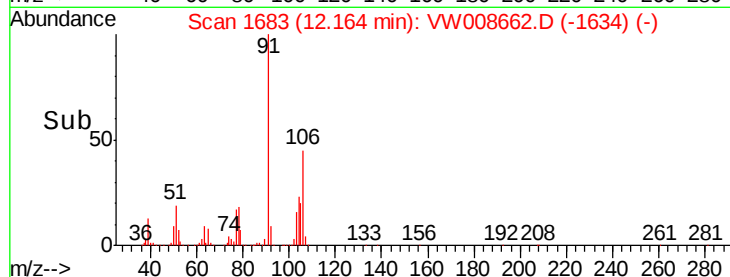
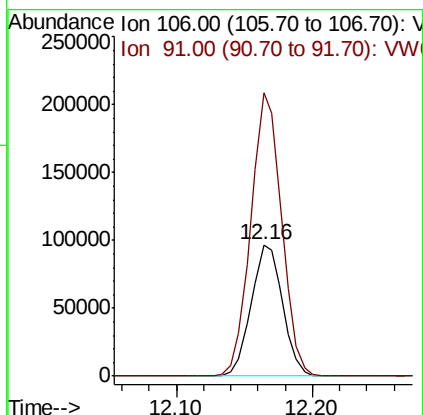
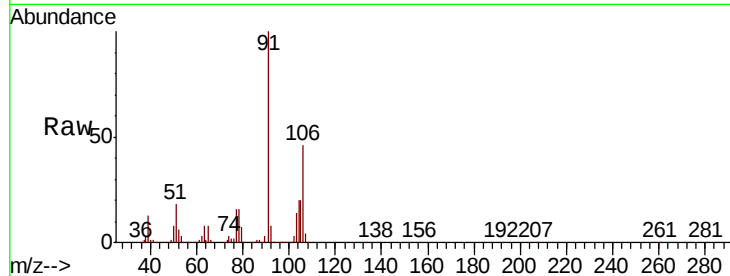




#69
o-Xylene
Concen: 20.650 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW008662.D
Acq: 14 Feb 2019 13:26

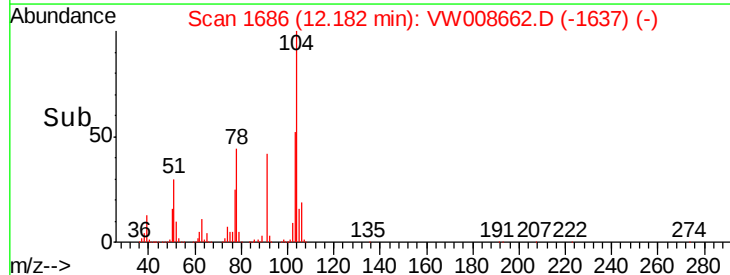
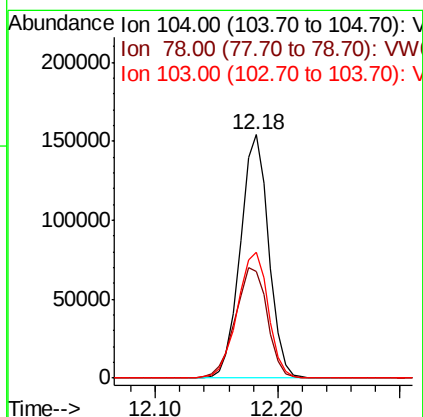
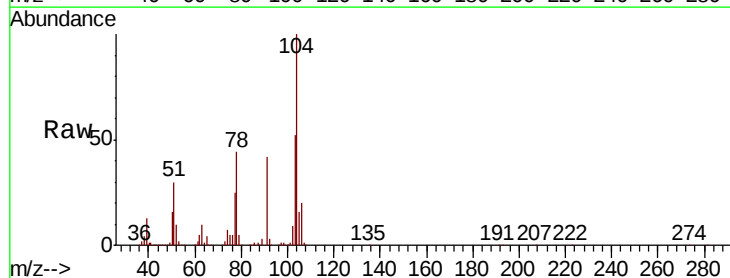
Instrument :
MSVOA_W
ClientSampleId :
VW0214SBSD01

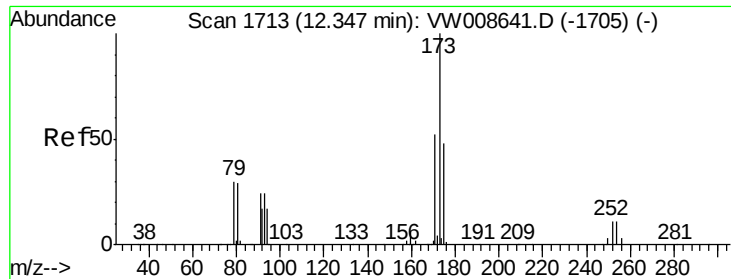
Tgt Ion:106 Resp: 156910
Ion Ratio Lower Upper
106 100
91 211.9 106.7 320.1



#70
Styrene
Concen: 19.973 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW008662.D
Acq: 14 Feb 2019 13:26

Tgt Ion:104 Resp: 247889
Ion Ratio Lower Upper
104 100
78 51.1 41.5 62.3
103 56.7 43.5 65.3

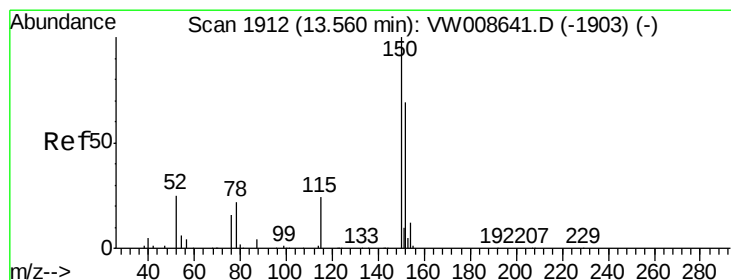
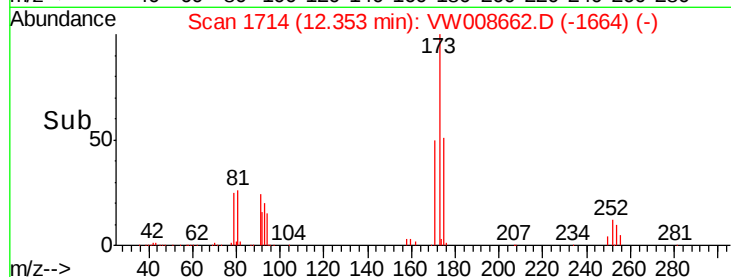
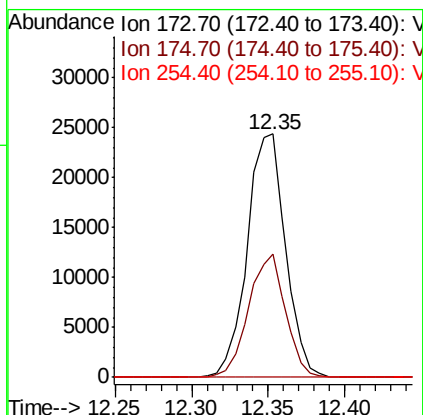
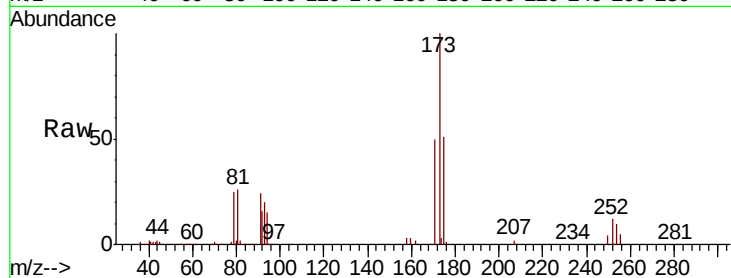




#71
Bromoform
Concen: 19.153 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.01 min
Lab File: VW008662.D
Acq: 14 Feb 2019 13:26

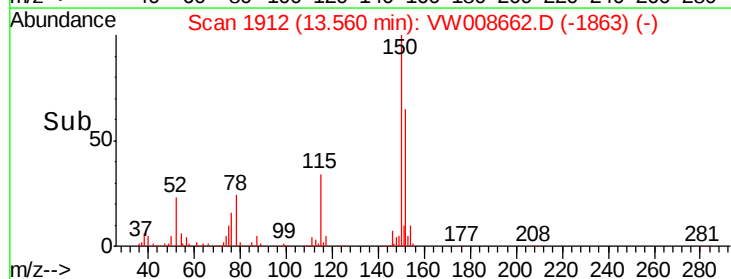
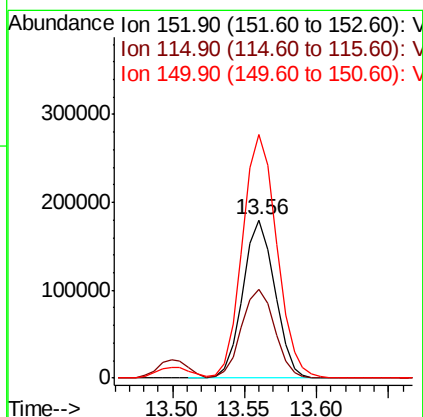
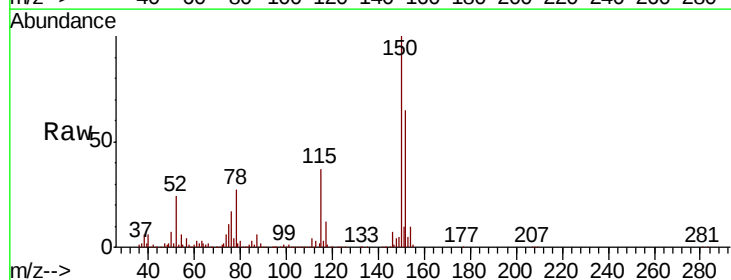
Instrument :
MSVOA_W
ClientSampleId :
VW0214SBSD01

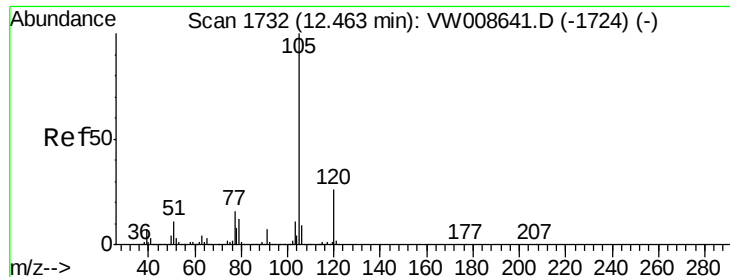
Tgt Ion:173 Resp: 42403
Ion Ratio Lower Upper
173 100
175 48.6 24.9 74.7
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW008662.D
Acq: 14 Feb 2019 13:26

Tgt Ion:152 Resp: 278082
Ion Ratio Lower Upper
152 100
115 58.3 29.3 87.8
150 164.8 0.0 352.8





#73

Isopropylbenzene

Concen: 21.201 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW008662.D

Acq: 14 Feb 2019 13:26

Instrument :

MSVOA_W

ClientSampleId :

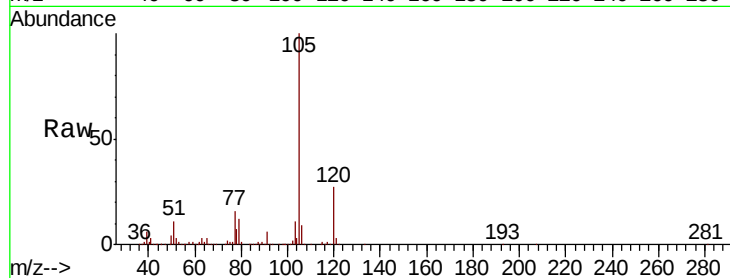
VW0214SBSD01

Tgt Ion: 105 Resp: 439153

Ion Ratio Lower Upper

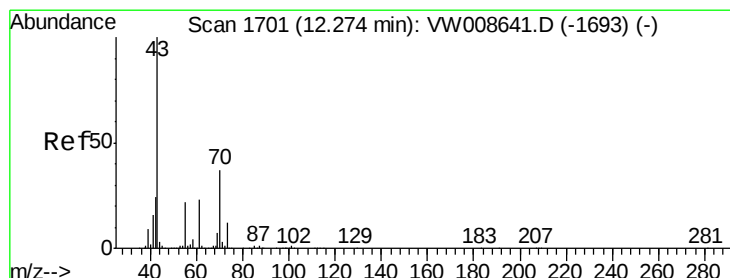
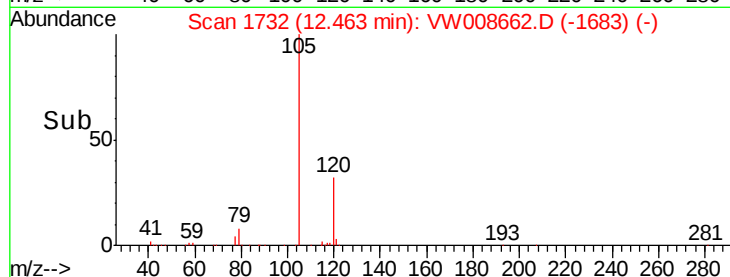
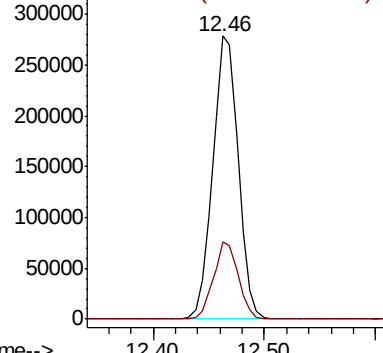
105 100

120 26.6 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.207 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW008662.D

Acq: 14 Feb 2019 13:26

Tgt Ion: 43 Resp: 107587

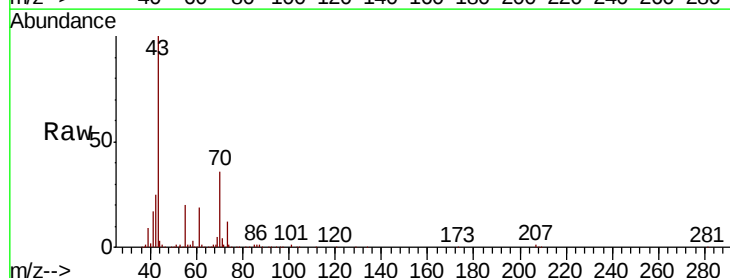
Ion Ratio Lower Upper

43 100

70 38.4 30.5 45.7

55 22.1 17.6 26.4

61 22.0 17.9 26.9

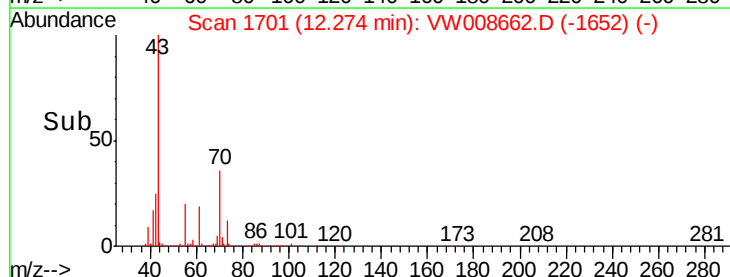
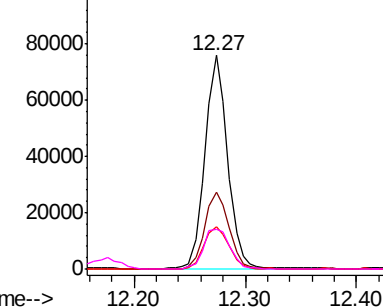


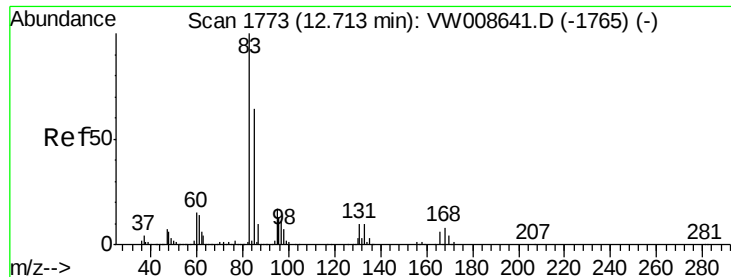
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 20.895 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW008662.D

Acq: 14 Feb 2019 13:26

Instrument :

MSVOA_W

ClientSampleId :

VW0214SBSD01

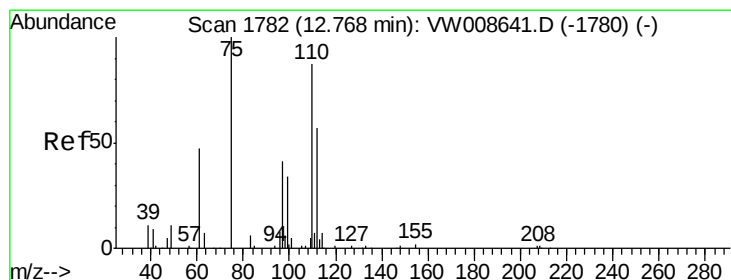
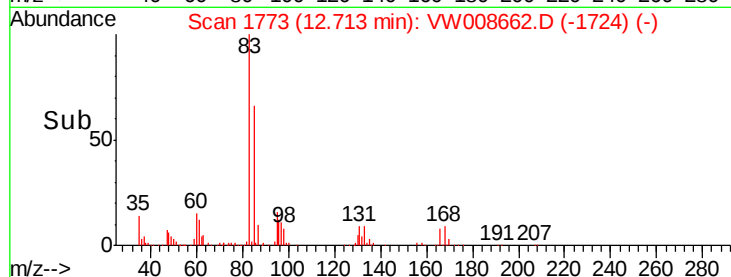
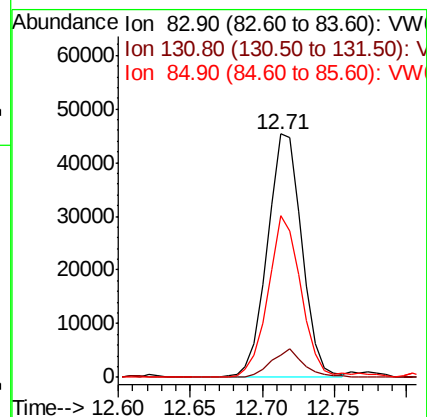
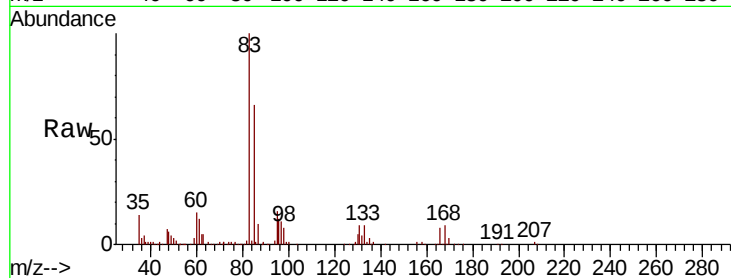
Tgt Ion: 83 Resp: 75304

Ion Ratio Lower Upper

83 100

131 11.3 5.5 16.7

85 63.6 31.8 95.3



#76

1,2,3-Trichloropropane

Concen: 35.712 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW008662.D

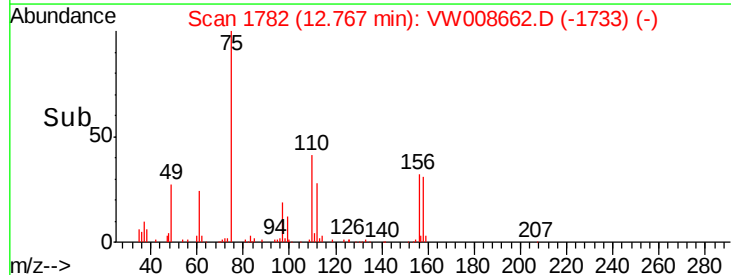
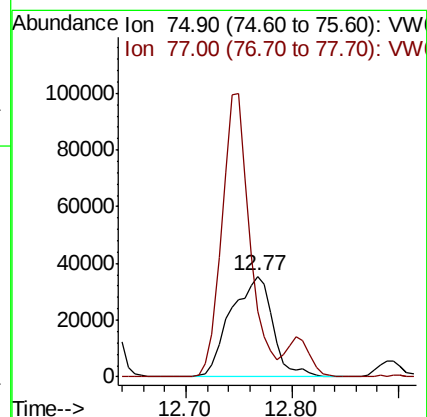
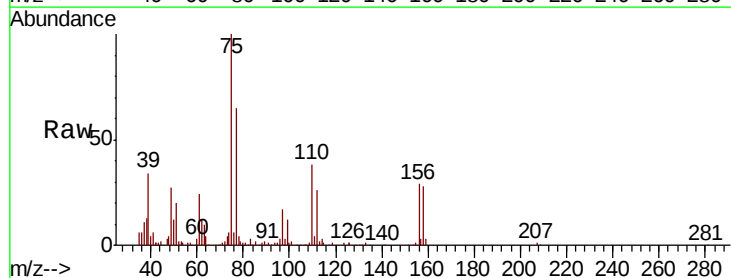
Acq: 14 Feb 2019 13:26

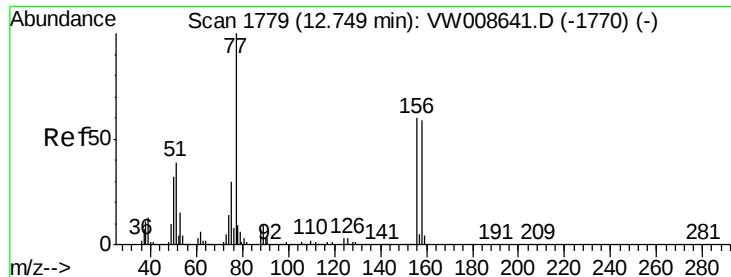
Tgt Ion: 75 Resp: 98061

Ion Ratio Lower Upper

75 100

77 186.4 0.0 0.0#





#77

Bromobenzene

Concen: 21.299 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW008662.D

Acq: 14 Feb 2019 13:26

Instrument :

MSVOA_W

ClientSampleId :

VW0214SBSD01

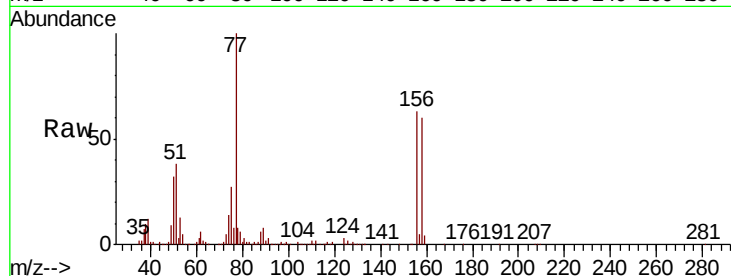
Tgt Ion: 156 Resp: 101413

Ion Ratio Lower Upper

156 100

77 180.2 93.2 279.5

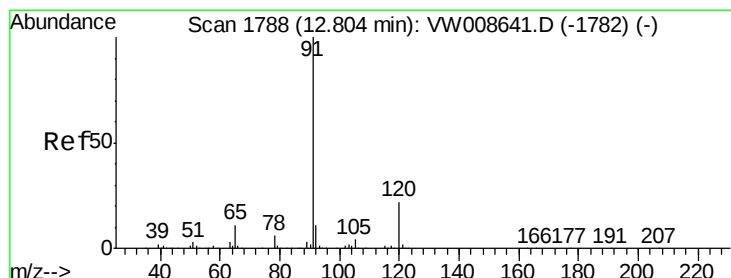
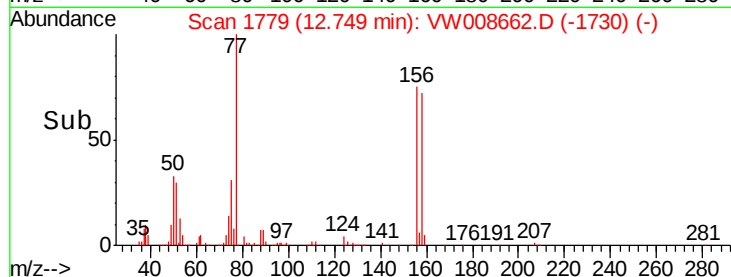
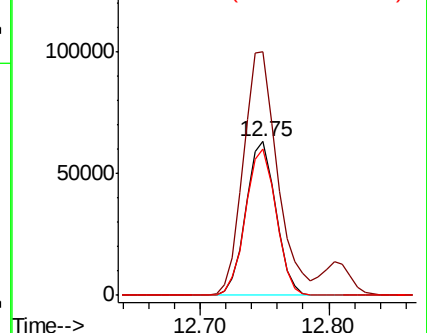
158 96.7 48.5 145.5



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.486 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW008662.D

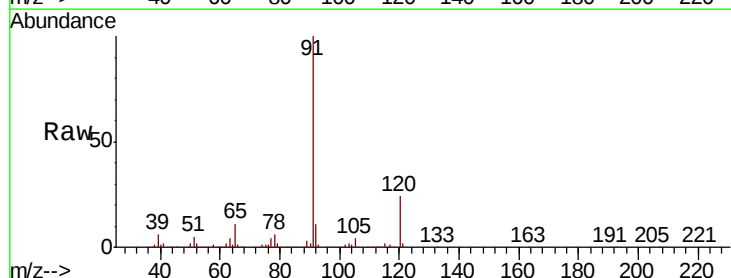
Acq: 14 Feb 2019 13:26

Tgt Ion: 91 Resp: 528814

Ion Ratio Lower Upper

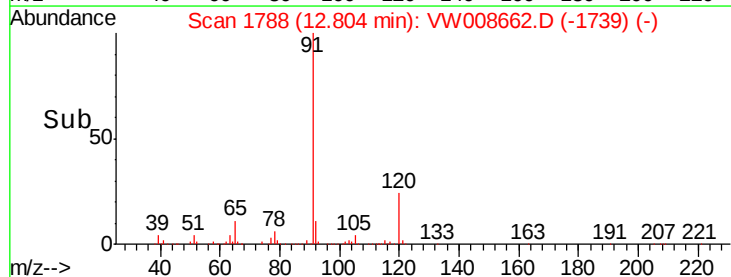
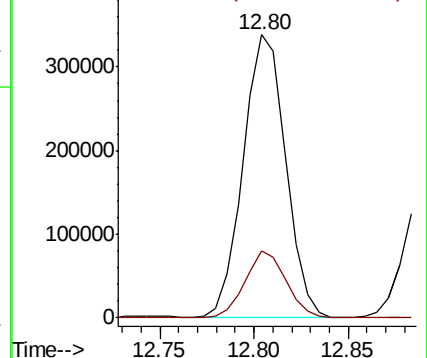
91 100

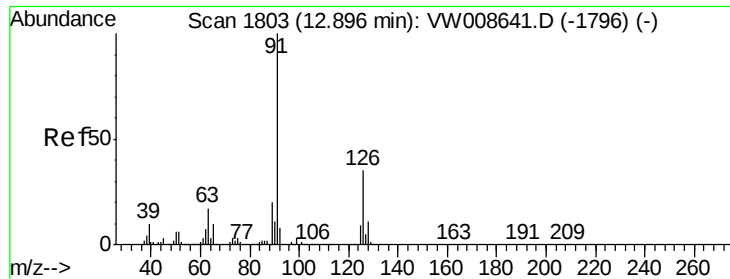
120 22.8 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.062 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW008662.D

Acq: 14 Feb 2019 13:26

Instrument :

MSVOA_W

ClientSampleId :

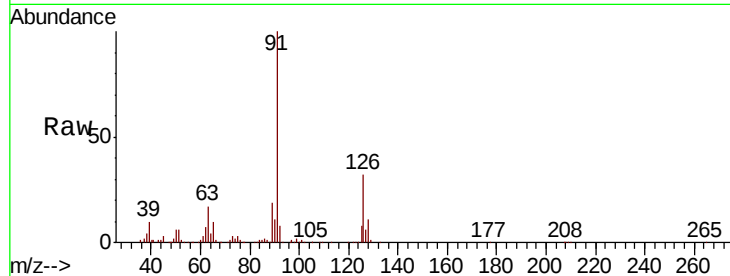
VW0214SBSD01

Tgt Ion: 91 Resp: 292972

Ion Ratio Lower Upper

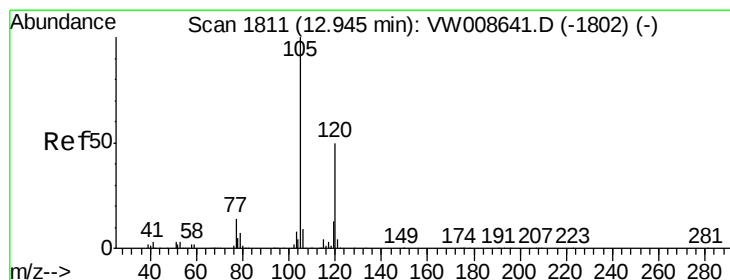
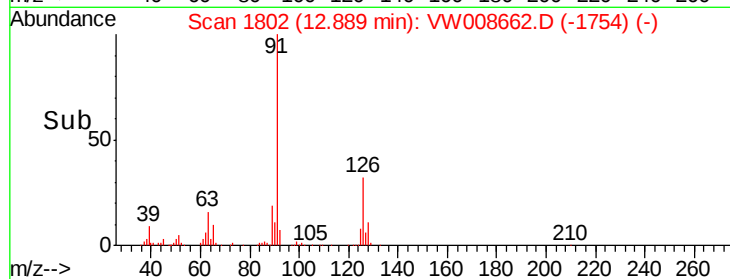
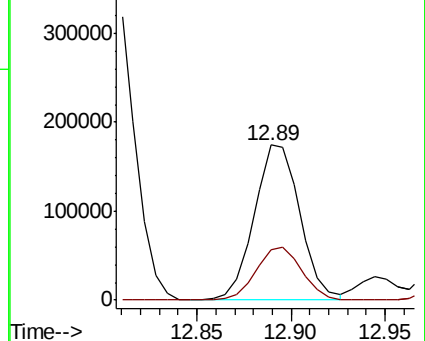
91 100

126 34.2 17.0 50.9



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: 20.895 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW008662.D

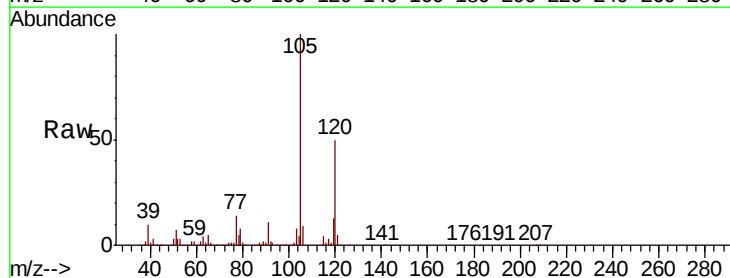
Acq: 14 Feb 2019 13:26

Tgt Ion: 105 Resp: 359500

Ion Ratio Lower Upper

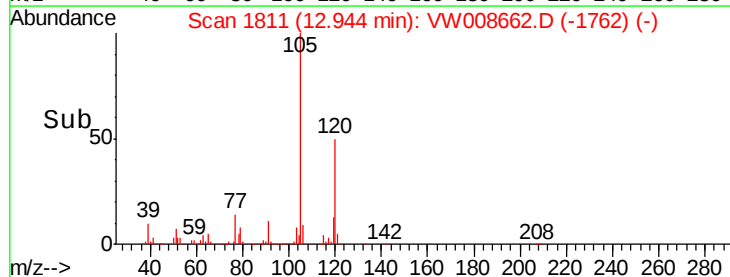
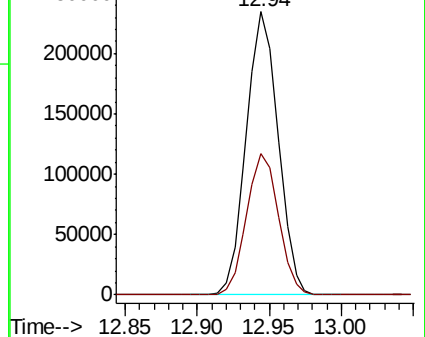
105 100

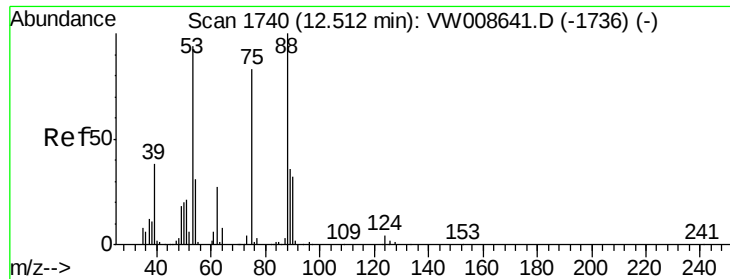
120 50.1 24.6 73.8



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: 18.364 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW008662.D

Acq: 14 Feb 2019 13:26

Instrument :

MSVOA_W

ClientSampleId :

VW0214SBSD01

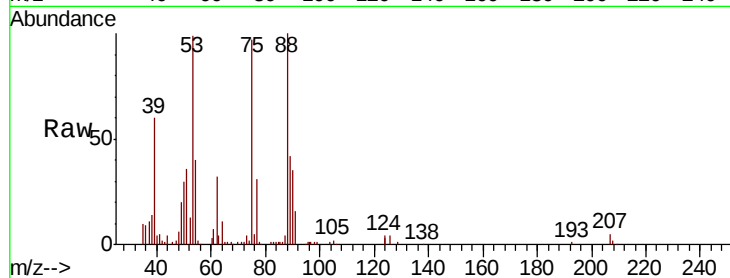
Tgt Ion: 75 Resp: 20780

Ion Ratio Lower Upper

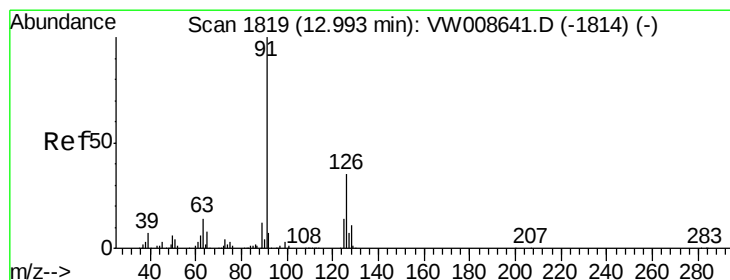
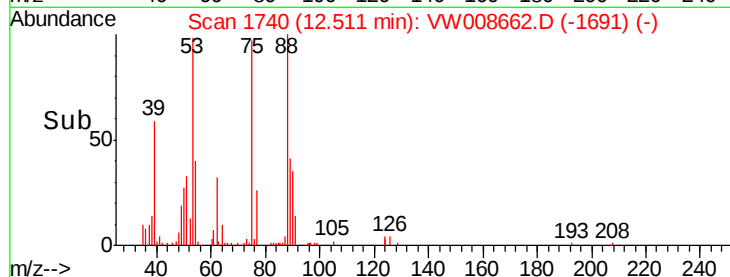
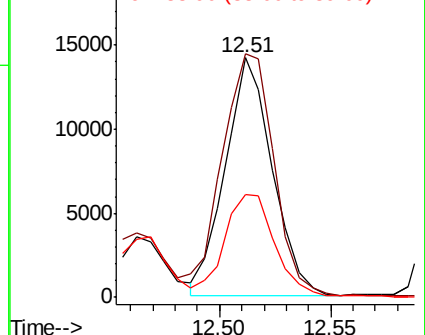
75 100

53 114.4 87.4 131.0

89 47.0 37.0 55.4



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: 20.631 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.01 min

Lab File: VW008662.D

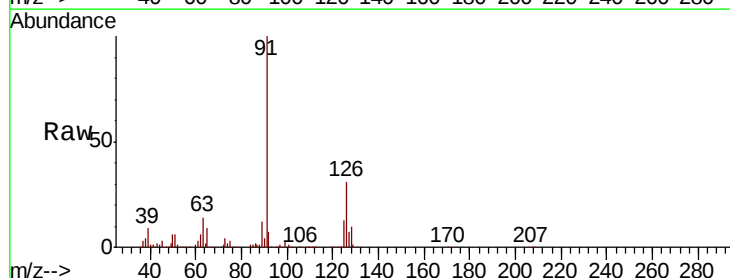
Acq: 14 Feb 2019 13:26

Tgt Ion: 91 Resp: 304126

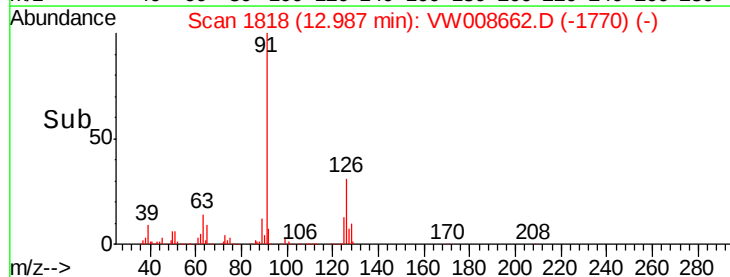
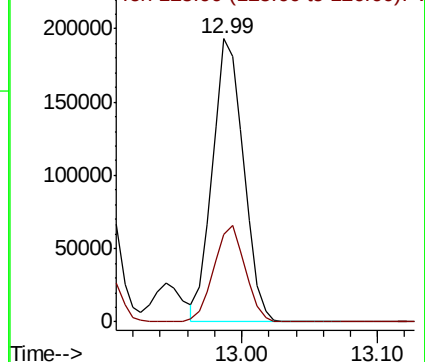
Ion Ratio Lower Upper

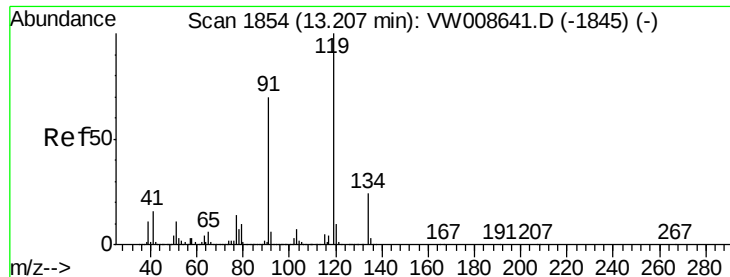
91 100

126 34.5 16.9 50.7



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

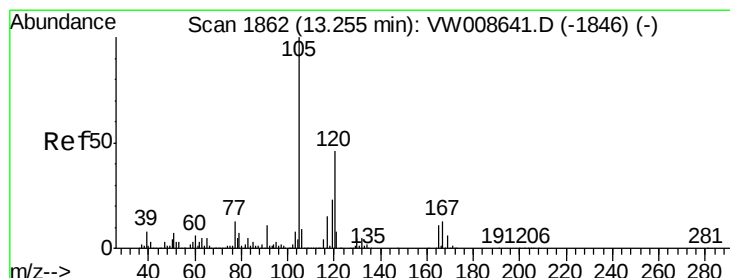
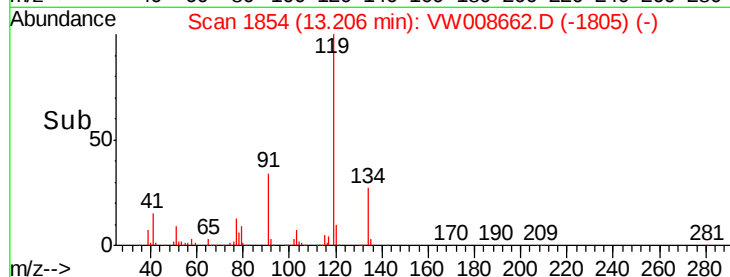
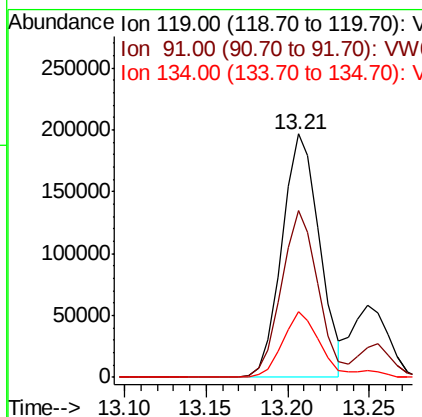
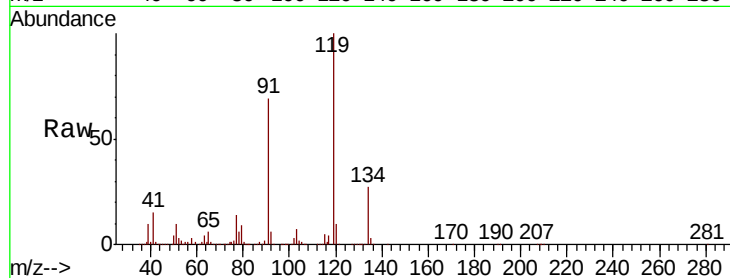




#83
tert-Butylbenzene
Concen: 21.083 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW008662.D
Acq: 14 Feb 2019 13:26

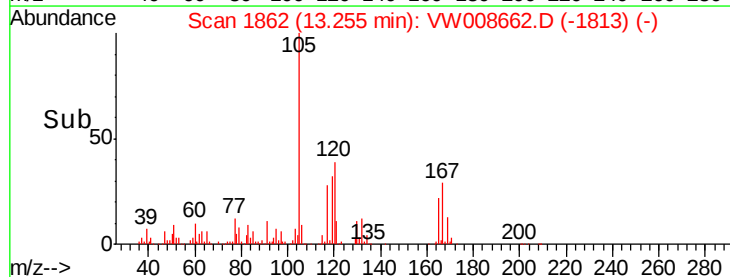
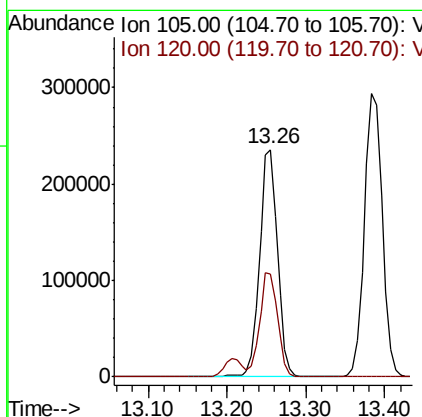
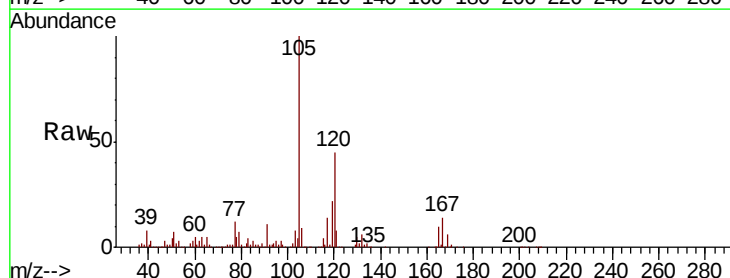
Instrument :
MSVOA_W
ClientSampleId :
VW0214SBSD01

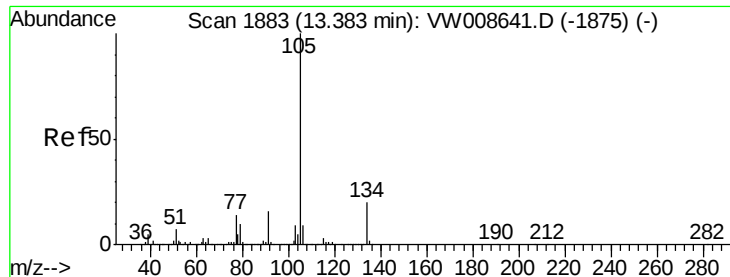
Tgt Ion:119 Resp: 314969
Ion Ratio Lower Upper
119 100
91 67.6 34.0 102.0
134 28.4 13.6 40.8



#84
1,2,4-Trimethylbenzene
Concen: 20.972 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW008662.D
Acq: 14 Feb 2019 13:26

Tgt Ion:105 Resp: 370848
Ion Ratio Lower Upper
105 100
120 45.8 22.9 68.8





#85

sec-Butylbenzene

Concen: 21.298 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW008662.D

Acq: 14 Feb 2019 13:26

Instrument :

MSVOA_W

ClientSampleId :

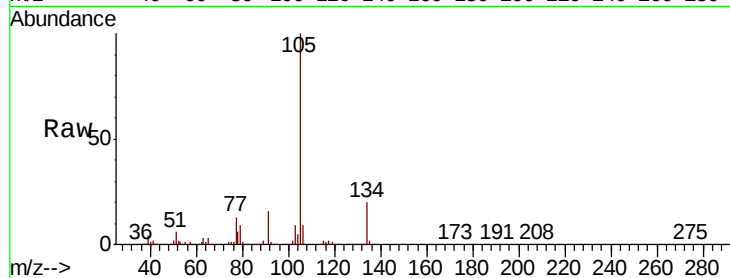
VW0214SBSD01

Tgt Ion:105 Resp: 463290

Ion Ratio Lower Upper

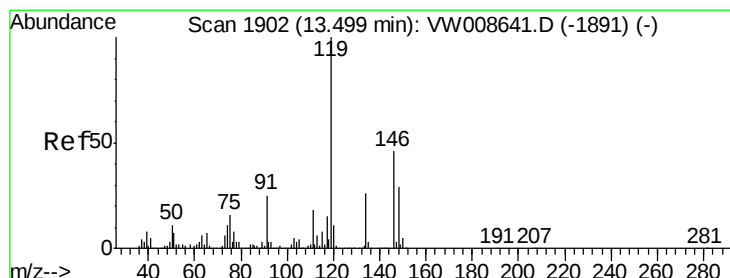
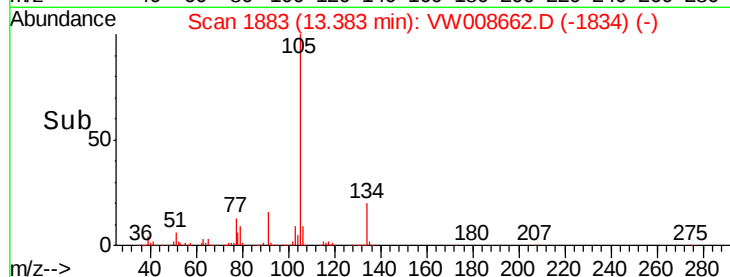
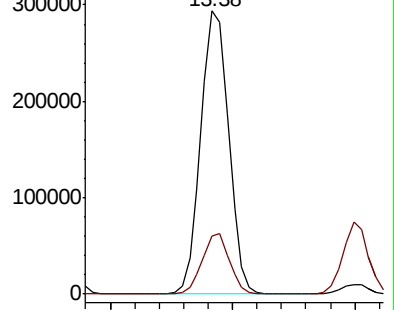
105 100

134 20.9 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.900 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW008662.D

Acq: 14 Feb 2019 13:26

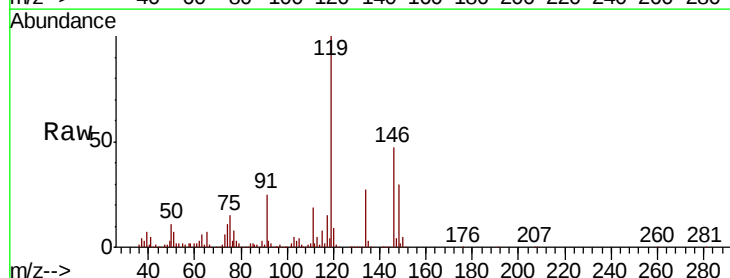
Tgt Ion:119 Resp: 406723

Ion Ratio Lower Upper

119 100

134 26.6 13.0 39.0

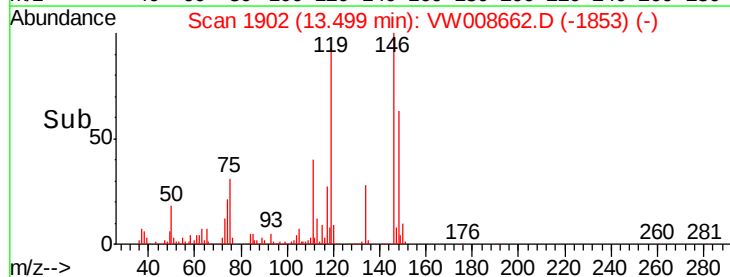
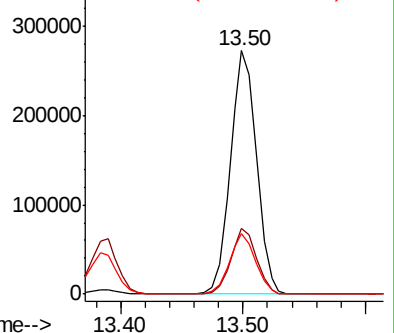
91 24.5 12.3 36.9

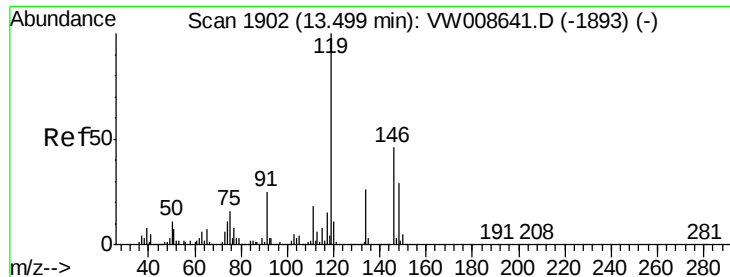


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.877 ug/l

RT: 13.50 min Scan# 1902

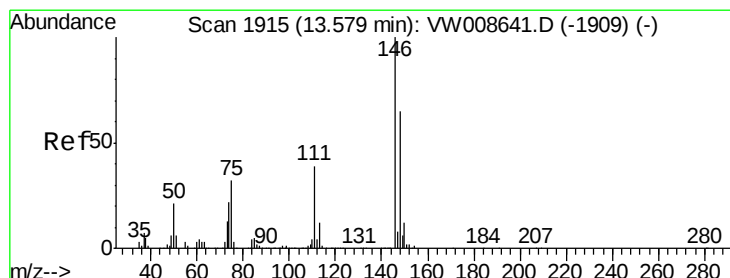
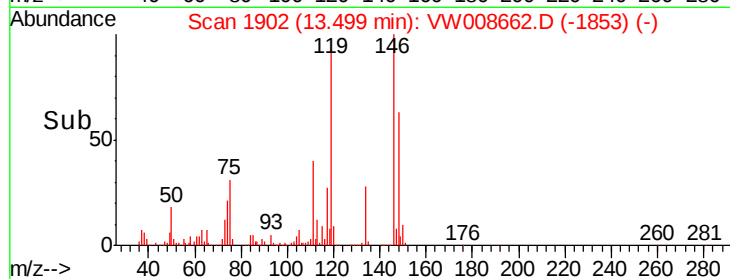
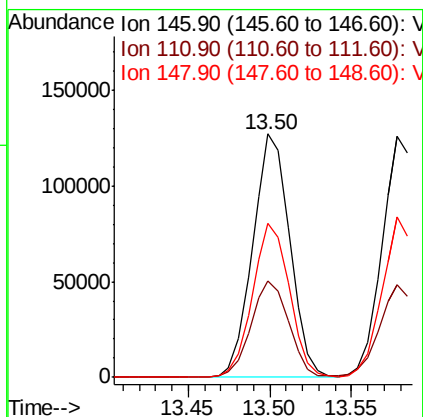
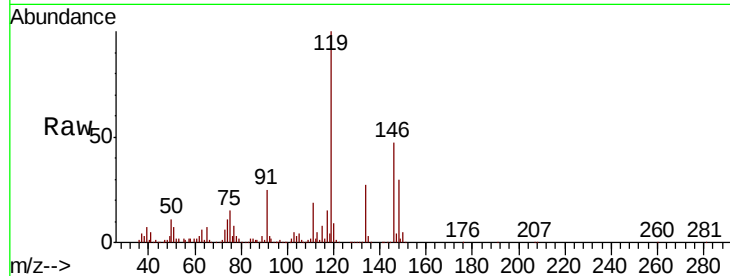
Delta R.T. -0.00 min

Lab File: VW008662.D

Acq: 14 Feb 2019 13:26

Instrument :
MSVOA_W
ClientSampleId :
VW0214SBSD01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	19.4	58.1
148	63.1	31.6	94.8



#88

1,4-Dichlorobenzene

Concen: 21.116 ug/l

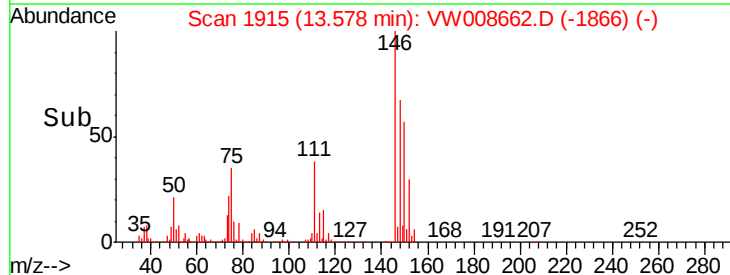
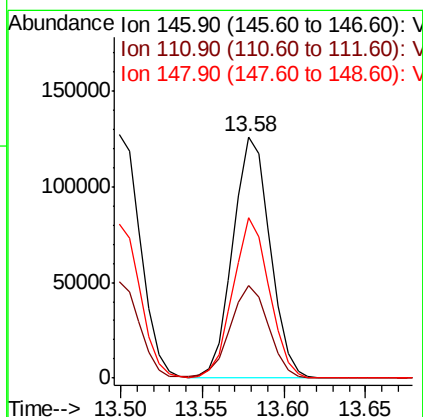
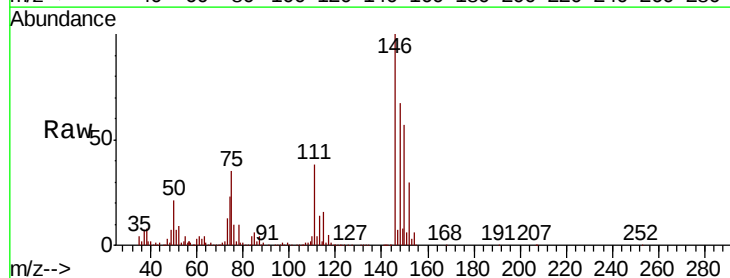
RT: 13.58 min Scan# 1915

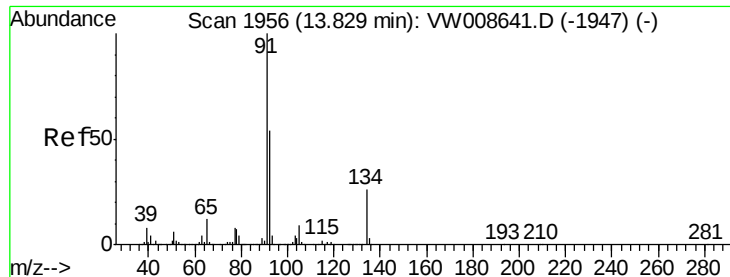
Delta R.T. -0.00 min

Lab File: VW008662.D

Acq: 14 Feb 2019 13:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.4	58.1
148	64.9	31.8	95.4





#89

n-Butylbenzene

Concen: 21.011 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW008662.D

Acq: 14 Feb 2019 13:26

Instrument :

MSVOA_W

ClientSampleId :

VW0214SBSD01

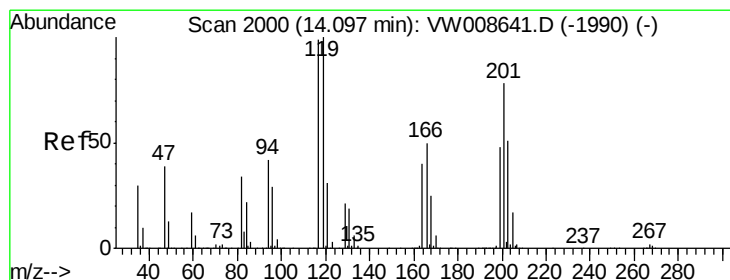
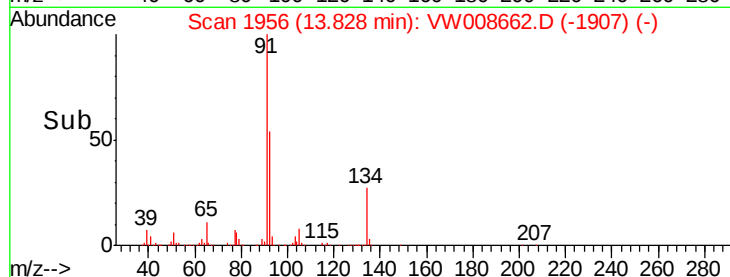
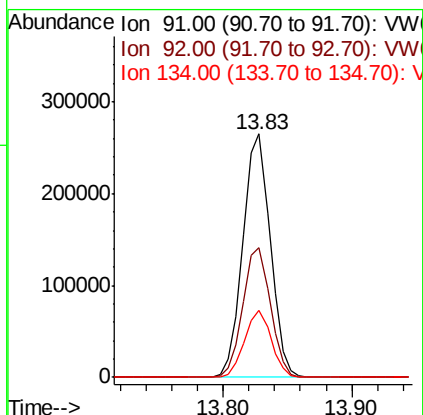
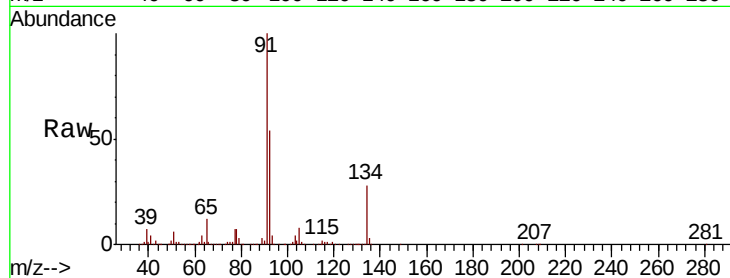
Tgt Ion: 91 Resp: 388541

Ion Ratio Lower Upper

91 100

92 53.9 26.8 80.4

134 26.9 13.0 39.0



#90

Hexachloroethane

Concen: 20.754 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW008662.D

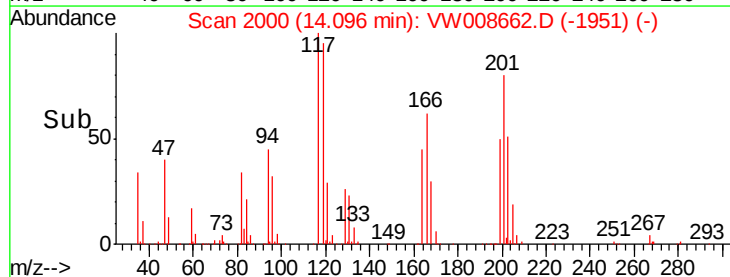
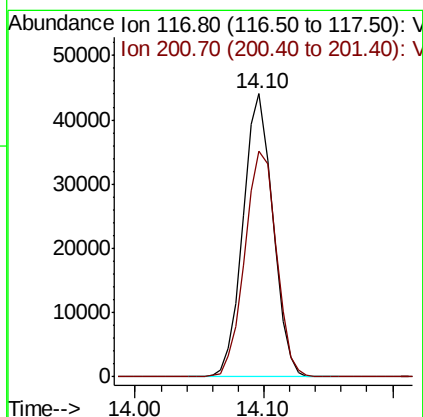
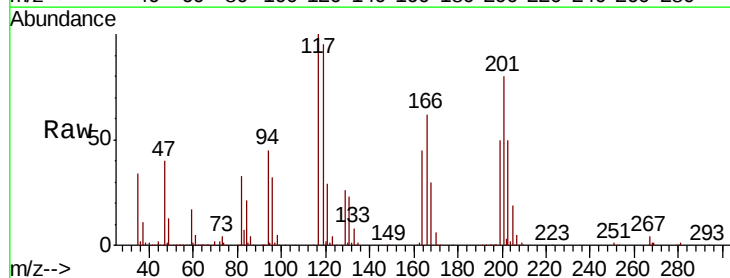
Acq: 14 Feb 2019 13:26

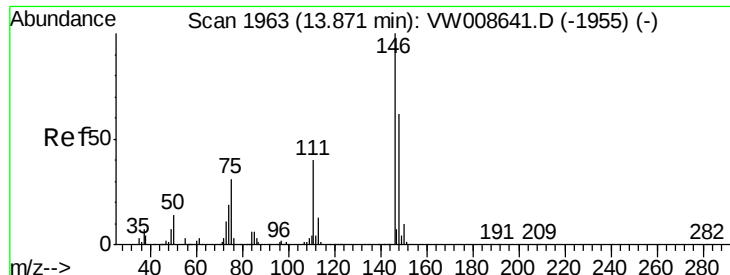
Tgt Ion: 117 Resp: 70560

Ion Ratio Lower Upper

117 100

201 83.8 38.7 116.1

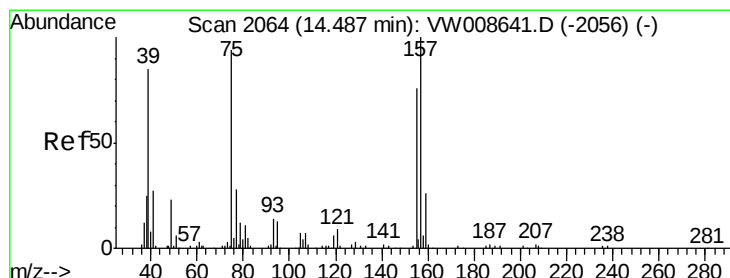
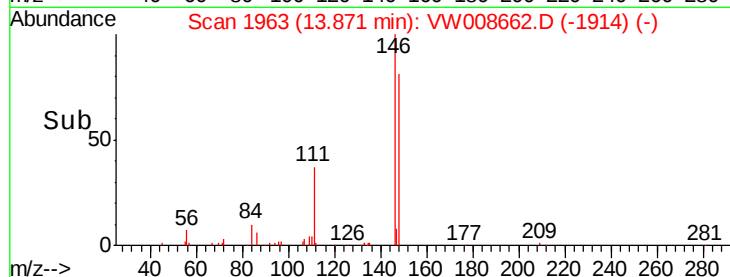
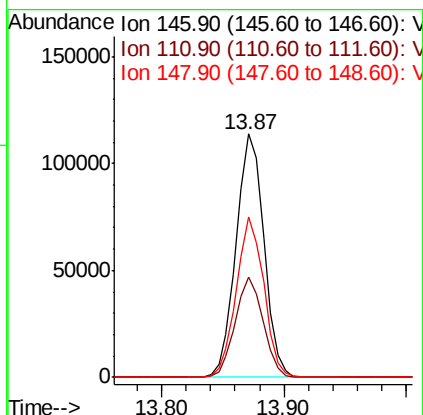
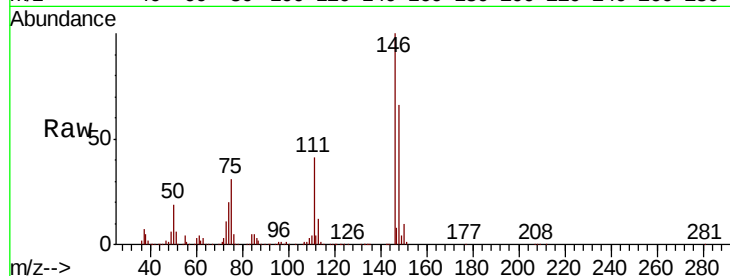




#91
 1,2-Dichlorobenzene
 Concen: 21.015 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW008662.D
 Acq: 14 Feb 2019 13:26

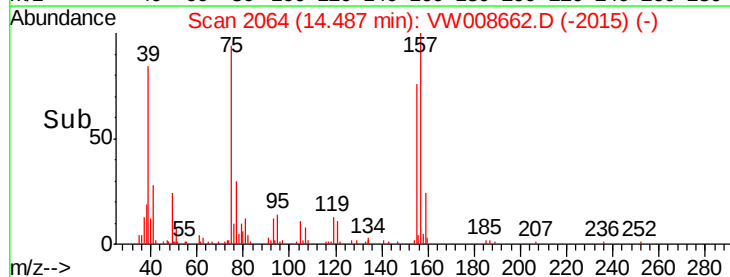
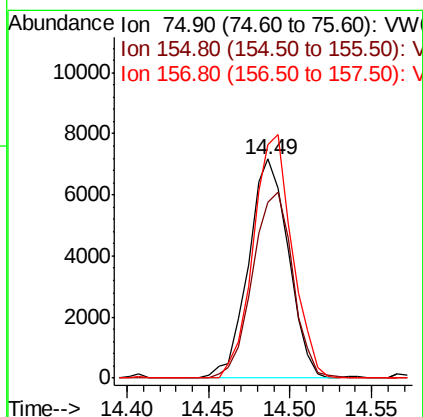
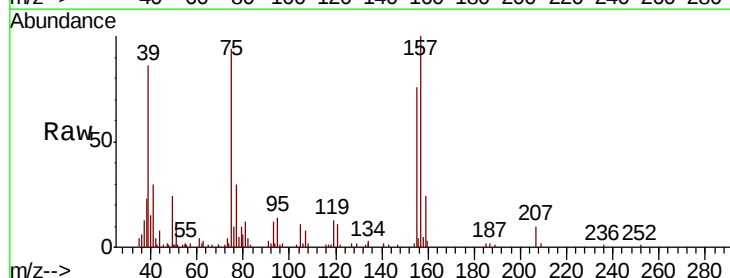
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0214SBSD01

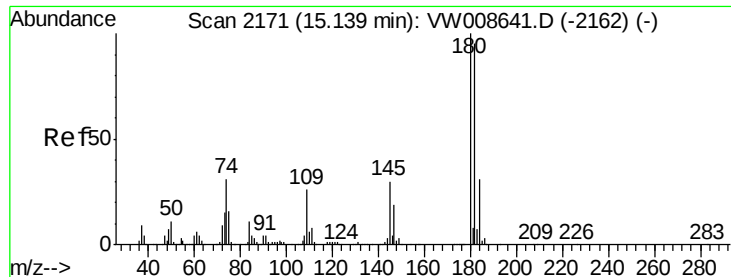
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.5	61.5
148	64.7	31.6	94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.509 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW008662.D
 Acq: 14 Feb 2019 13:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.6	41.8	125.4
157	108.4	53.8	161.4

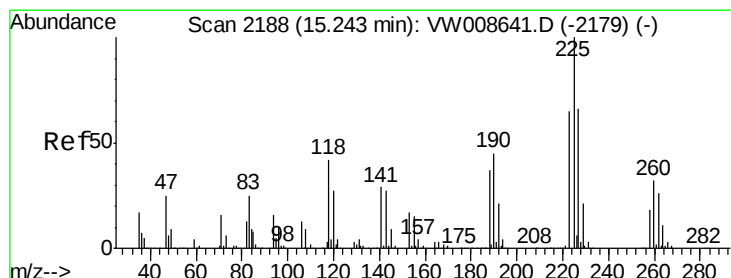
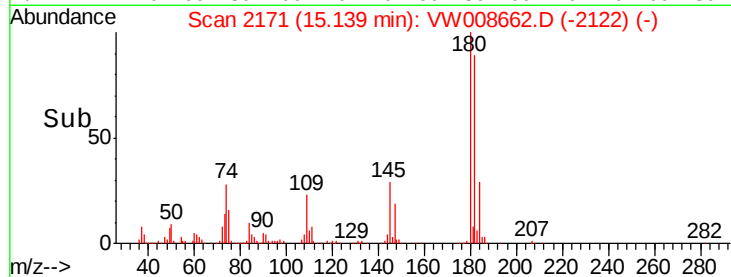
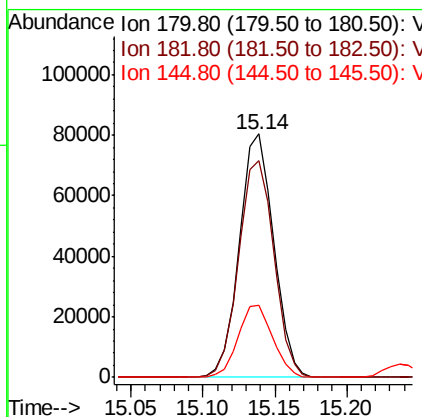
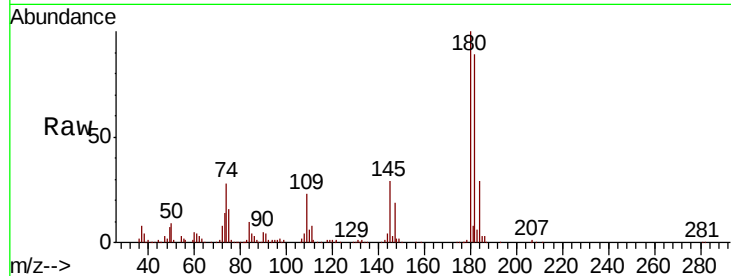




#93
 1,2,4-Trichlorobenzene
 Concen: 21.889 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW008662.D
 Acq: 14 Feb 2019 13:26

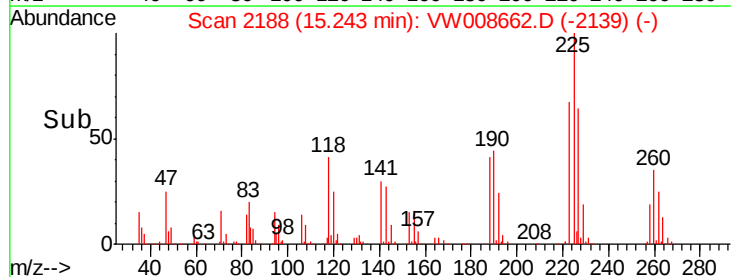
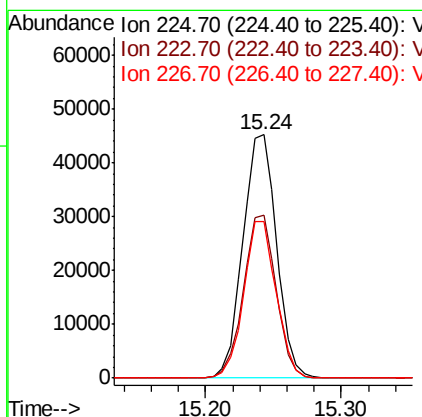
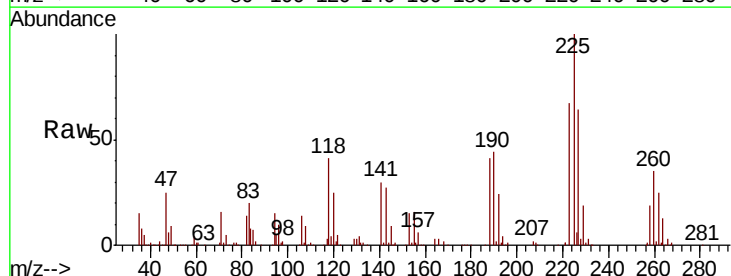
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0214SBSD01

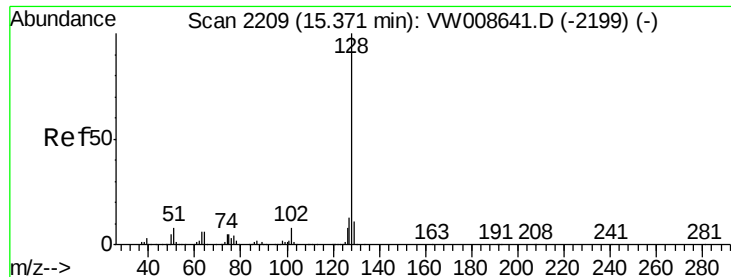
Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.4	47.5	142.5
145	30.0	15.1	45.3



#94
 Hexachlorobutadiene
 Concen: 22.137 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW008662.D
 Acq: 14 Feb 2019 13:26

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.8	31.4	94.3
227	62.1	32.4	97.0

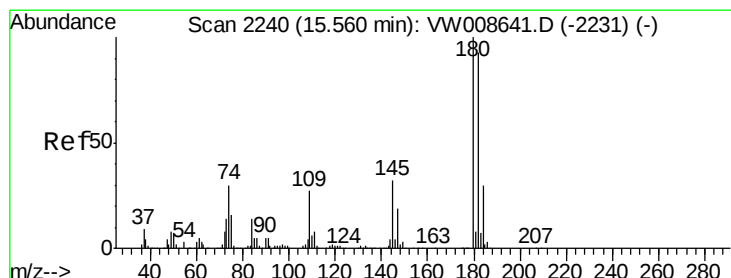
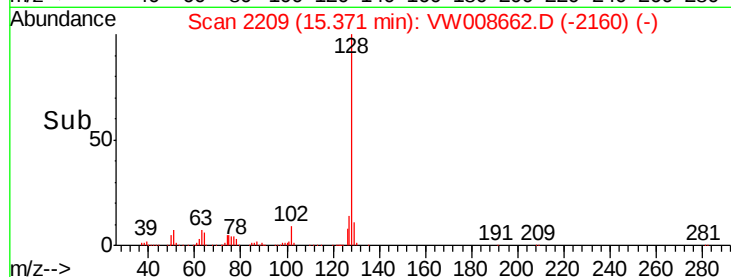
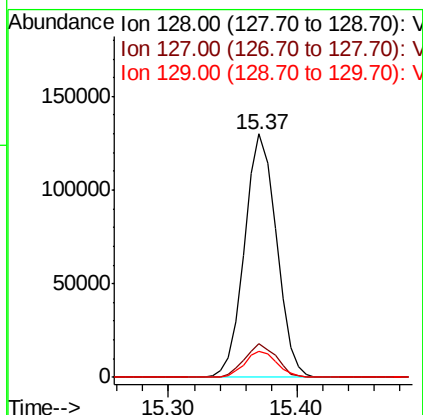
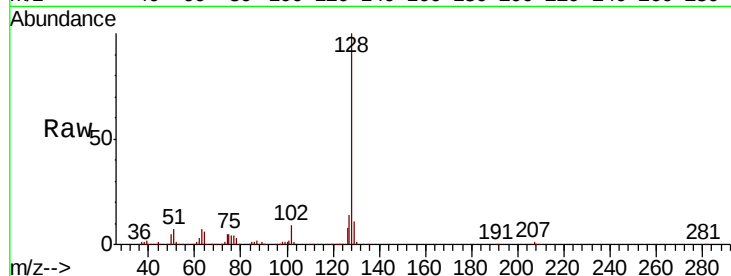




#95
Naphthalene
Concen: 20.404 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW008662.D
Acq: 14 Feb 2019 13:26

Instrument :
MSVOA_W
ClientSampleId :
VW0214SBSD01

Tgt Ion:128 Resp: 222593
Ion Ratio Lower Upper
128 100
127 13.8 10.9 16.3
129 10.8 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 21.782 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW008662.D
Acq: 14 Feb 2019 13:26

Tgt Ion:180 Resp: 113786
Ion Ratio Lower Upper
180 100
182 95.3 47.5 142.5
145 30.9 15.9 47.7

