

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091119\
 Data File : VW012916.D
 Acq On : 11 Sep 2019 14:43
 Operator : SY/VA
 Sample : VW0911SBSD01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0911SBSD01

Quant Time: Sep 12 07:51:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
 Quant Title : SW846 8260
 QLast Update : Sun Sep 08 05:04:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	225076	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	329136	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	277268	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	137969	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	107999	42.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.88%	
35) Dibromofluoromethane	7.88	113	92925	47.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.98%	
50) Toluene-d8	10.32	98	383223	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	
62) 4-Bromofluorobenzene	12.62	95	144219	51.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	23174	18.992	ug/l	95
3) Chloromethane	2.21	50	32367	21.827	ug/l	100
4) Vinyl Chloride	2.35	62	41660	22.913	ug/l	99
5) Bromomethane	2.75	94	24321	24.633	ug/l	92
6) Chloroethane	2.92	64	25034	23.073	ug/l	99
7) Trichlorofluoromethane	3.24	101	26871	21.416	ug/l	86
8) Diethyl Ether	3.67	74	18878	17.901	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.06	101	42923	21.799	ug/l	97
10) Methyl Iodide	4.26	142	54464	21.973	ug/l	97
11) Tert butyl alcohol	5.15	59	18022	93.664	ug/l #	85
12) 1,1-Dichloroethene	4.04	96	40261	21.661	ug/l	93
13) Acrolein	3.89	56	11449	56.072	ug/l	97
14) Allyl chloride	4.66	41	72771	18.926	ug/l	98
15) Acrylonitrile	5.35	53	46837	76.042	ug/l	99
16) Acetone	4.12	43	49724	72.527	ug/l	98
17) Carbon Disulfide	4.38	76	80907	20.507	ug/l	98
18) Methyl Acetate	4.67	43	23769	14.777	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	67796	18.392	ug/l	98
20) Methylene Chloride	4.92	84	49704	23.173	ug/l	88
21) trans-1,2-Dichloroethene	5.42	96	42159	22.229	ug/l	91
22) Diisopropyl ether	6.31	45	144968	19.009	ug/l	97
23) Vinyl Acetate	6.25	43	404440	83.683	ug/l	96
24) 1,1-Dichloroethane	6.21	63	85223	20.755	ug/l	99
25) 2-Butanone	7.17	43	69104	82.746	ug/l	100
26) 2,2-Dichloropropane	7.16	77	56919	21.947	ug/l	97
27) cis-1,2-Dichloroethene	7.16	96	45950	20.895	ug/l	98
28) Bromochloromethane	7.51	49	30538	16.197	ug/l #	88
29) Tetrahydrofuran	7.53	42	40583	73.301	ug/l	95
30) Chloroform	7.67	83	82890	20.369	ug/l	99
31) Cyclohexane	7.95	56	79003	21.371	ug/l	90
32) 1,1,1-Trichloroethane	7.87	97	70984	21.519	ug/l	99
36) 1,1-Dichloropropene	8.08	75	66392	22.702	ug/l	97
37) Ethyl Acetate	7.25	43	29263	15.697	ug/l	96
38) Carbon Tetrachloride	8.07	117	64294	22.303	ug/l	94

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 Quant Title : SW846 8260
 QLast Update : Sun Sep 08 05:04:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	76997	23.442	ug/l	95
40) Benzene	8.32	78	178450	21.993	ug/l	99
41) Methacrylonitrile	7.48	41	18866	17.583	ug/l	90
42) 1,2-Dichloroethane	8.40	62	55551	19.453	ug/l	98
43) Isopropyl Acetate	8.42	43	58027	16.429	ug/l	96
44) Trichloroethene	9.09	130	48817	23.340	ug/l	92
45) 1,2-Dichloropropane	9.37	63	45474	20.207	ug/l	99
46) Dibromomethane	9.46	93	19990	18.758	ug/l	97
47) Bromodichloromethane	9.65	83	57052	19.459	ug/l	98
48) Methyl methacrylate	9.43	41	27505	16.295	ug/l	97
49) 1,4-Dioxane	9.45	88	6616	314.300	ug/l #	86
51) 4-Methyl-2-Pentanone	10.21	43	148064	79.891	ug/l	98
52) Toluene	10.38	92	114015	22.514	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	56711	18.811	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	67484	19.732	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	31380	19.669	ug/l	94
56) Ethyl methacrylate	10.65	69	41840	17.916	ug/l	98
57) 1,3-Dichloropropane	10.93	76	55724	18.880	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.92	63	110392	89.039	ug/l	97
59) 2-Hexanone	10.97	43	103593	76.508	ug/l	97
60) Dibromochloromethane	11.13	129	34565	18.421	ug/l	100
61) 1,2-Dibromoethane	11.23	107	28800	19.690	ug/l	95
64) Tetrachloroethene	10.86	164	42071	25.007	ug/l	93
65) Chlorobenzene	11.66	112	119992	22.897	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	42078	21.561	ug/l	97
67) Ethyl Benzene	11.73	91	229496	23.341	ug/l	99
68) m/p-Xylenes	11.84	106	164847	46.448	ug/l	99
69) o-Xylene	12.16	106	78271	23.377	ug/l	95
70) Styrene	12.18	104	134422	22.720	ug/l	99
71) Bromoform	12.35	173	18866	17.400	ug/l #	97
73) Isopropylbenzene	12.46	105	228092	23.050	ug/l	100
74) N-amyl acetate	12.27	43	61451	19.564	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	12.71	83	35435	17.831	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	45179	32.024	ug/l #	100
77) Bromobenzene	12.74	156	49200	21.945	ug/l	90
78) n-propylbenzene	12.80	91	264983	22.390	ug/l	99
79) 2-Chlorotoluene	12.89	91	149301	21.975	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	190673	22.867	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	10877	16.307	ug/l	98
82) 4-Chlorotoluene	12.99	91	158697	22.082	ug/l	100
83) tert-Butylbenzene	13.21	119	172160	23.351	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	191586	22.802	ug/l	98
85) sec-Butylbenzene	13.38	105	233670	22.840	ug/l	97
86) p-Isopropyltoluene	13.50	119	217785	23.305	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	95260	21.618	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	93144	21.242	ug/l	96
89) n-Butylbenzene	13.82	91	202486	22.319	ug/l	99
90) Hexachloroethane	14.09	117	34105	20.905	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	83958	21.168	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	6181	16.995	ug/l	98

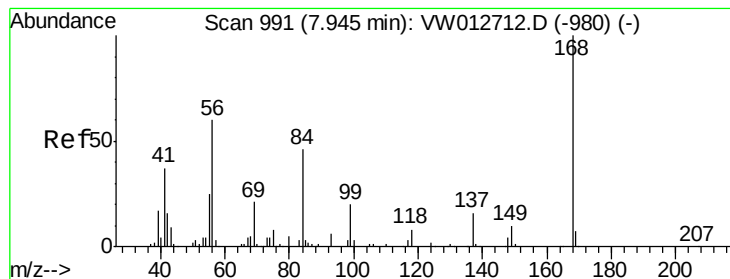
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Quant Title : SW846 8260
QLast Update : Sun Sep 08 05:04:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	58343	21.128	ug/l	98
94) Hexachlorobutadiene	15.24	225	44870	23.476	ug/l	100
95) Naphthalene	15.36	128	95397	19.456	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	50195	20.593	ug/l	98

(#) = 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: VW012916.D

Acq: 11 Sep 2019 14:43

Instrument :

MSVOA_W

ClientSampleId :

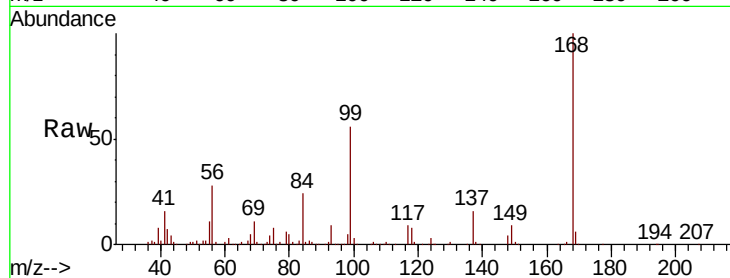
VW0911SBSD01

Tgt Ion:168 Resp: 225076

Ion Ratio Lower Upper

168 100

99 55.5 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

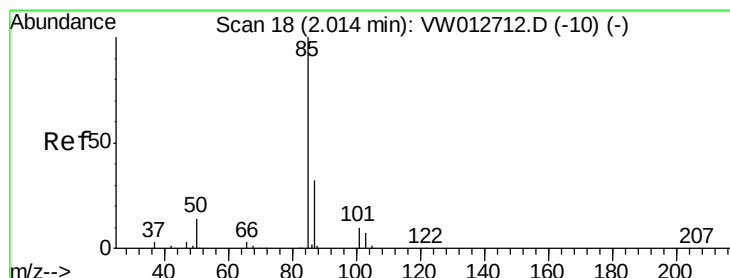
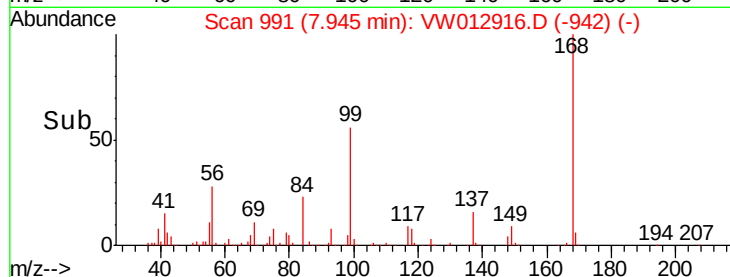
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.992 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW012916.D

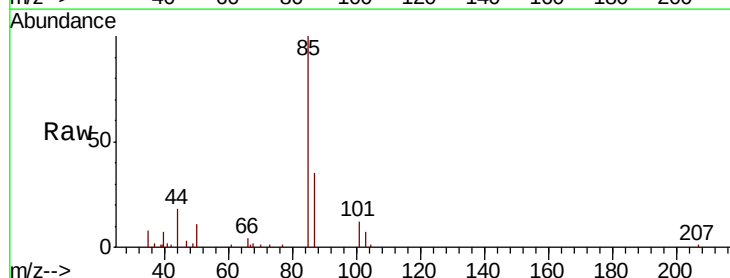
Acq: 11 Sep 2019 14:43

Tgt Ion: 85 Resp: 23174

Ion Ratio Lower Upper

85 100

87 34.6 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

10000

8000

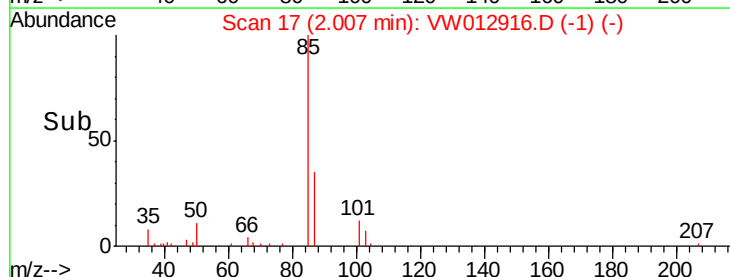
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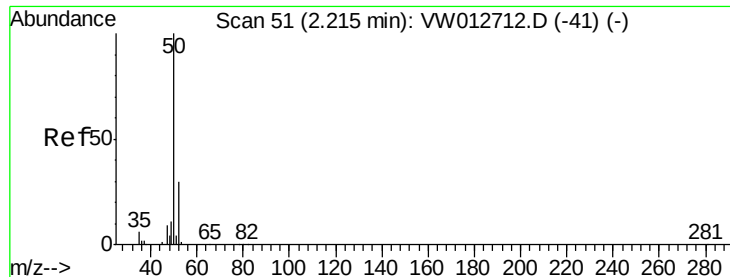
4000

2000

0

Time-->





#3

Chloromethane

Concen: 21.827 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW012916.D

Acq: 11 Sep 2019 14:43

Instrument :

MSVOA_W

ClientSampleId :

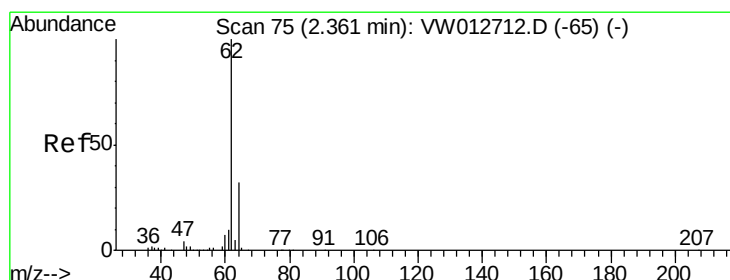
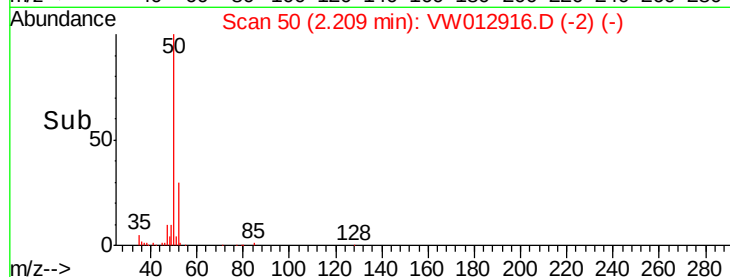
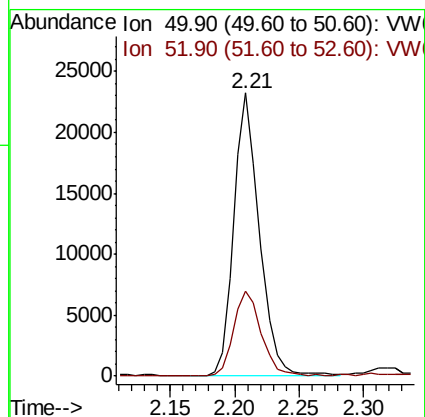
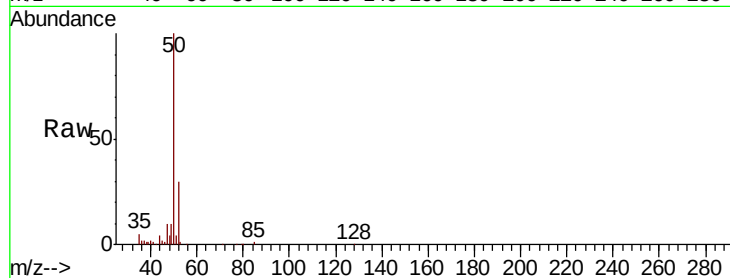
VW0911SBSD01

Tgt Ion: 50 Resp: 32367

Ion Ratio Lower Upper

50 100

52 30.0 24.2 36.2



#4

Vinyl Chloride

Concen: 22.913 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW012916.D

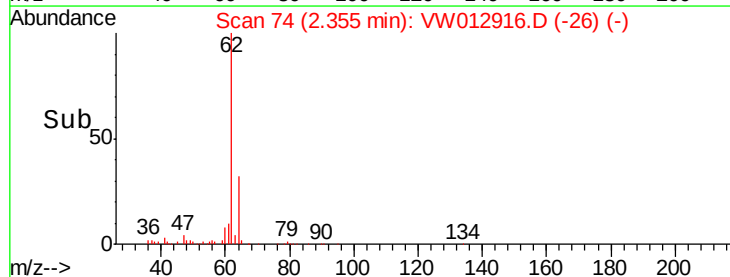
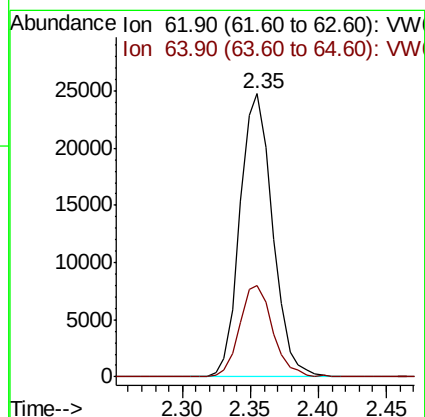
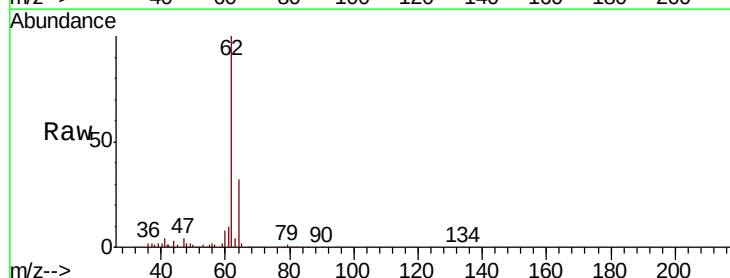
Acq: 11 Sep 2019 14:43

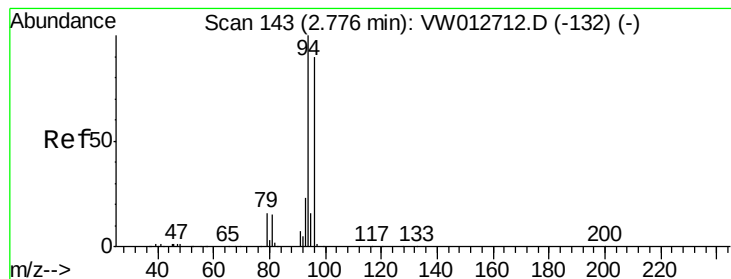
Tgt Ion: 62 Resp: 41660

Ion Ratio Lower Upper

62 100

64 32.3 25.3 37.9





#5

Bromomethane

Concen: 24.633 ug/l

RT: 2.75 min Scan# 138

Delta R.T. -0.03 min

Lab File: VW012916.D

Acq: 11 Sep 2019 14:43

Instrument :

MSVOA_W

ClientSampleId :

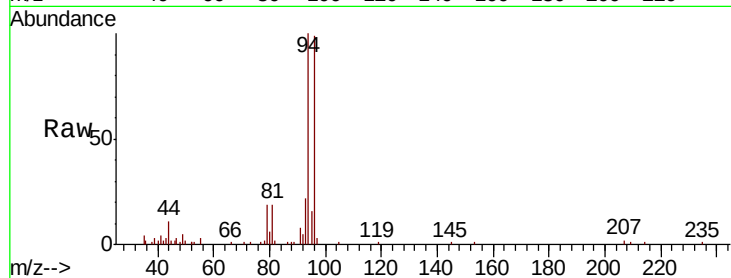
VW0911SBSD01

Tgt Ion: 94 Resp: 24321

Ion Ratio Lower Upper

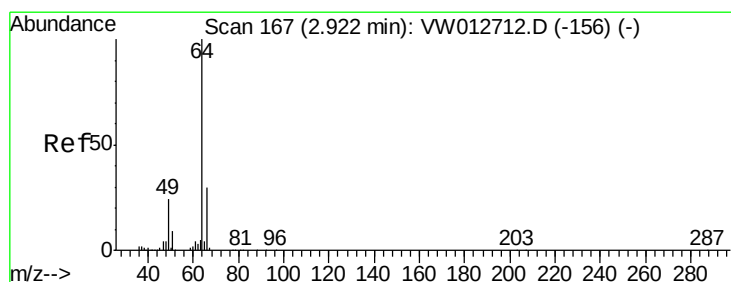
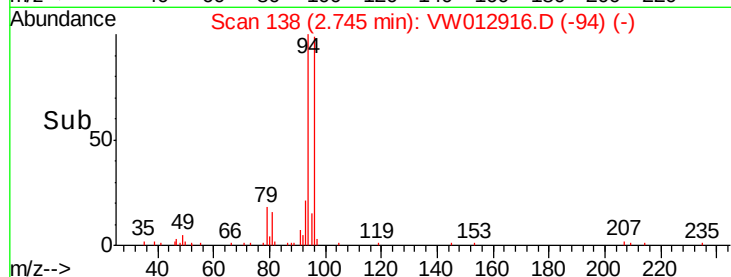
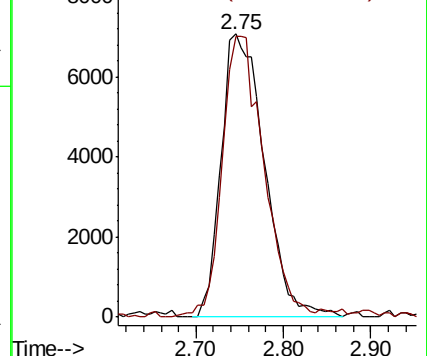
94 100

96 97.6 72.1 108.1



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 23.073 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW012916.D

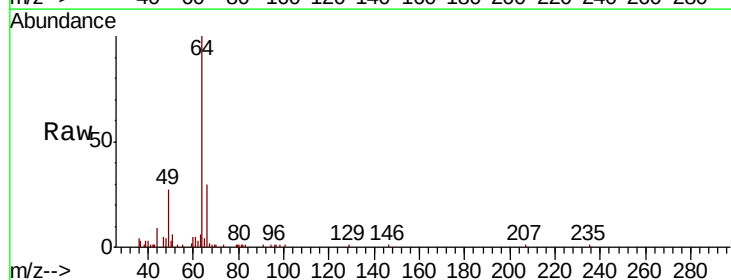
Acq: 11 Sep 2019 14:43

Tgt Ion: 64 Resp: 25034

Ion Ratio Lower Upper

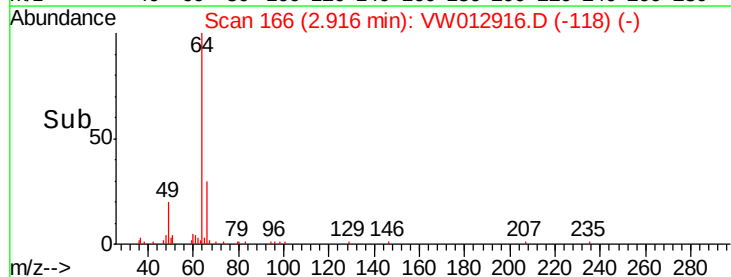
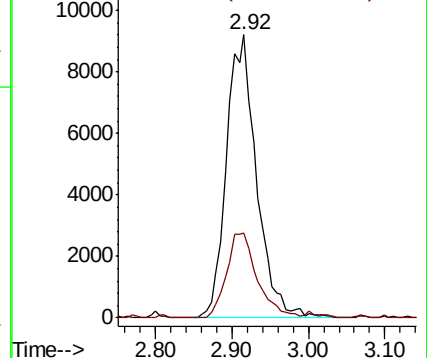
64 100

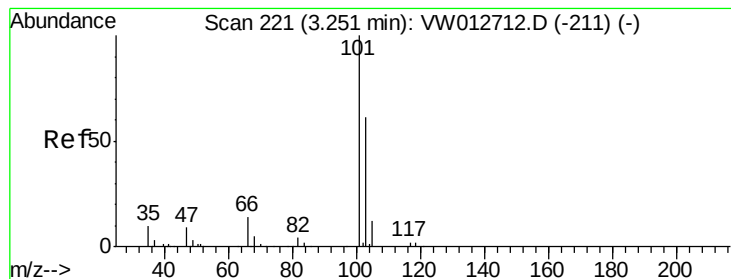
66 30.2 23.8 35.6



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



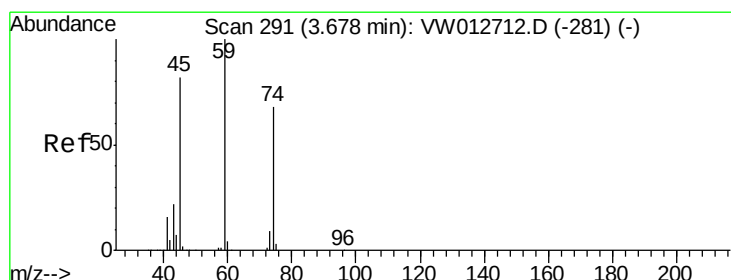
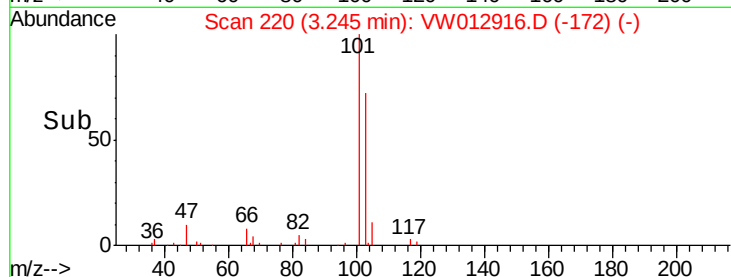
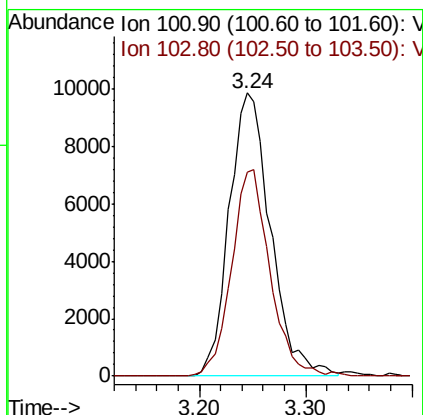
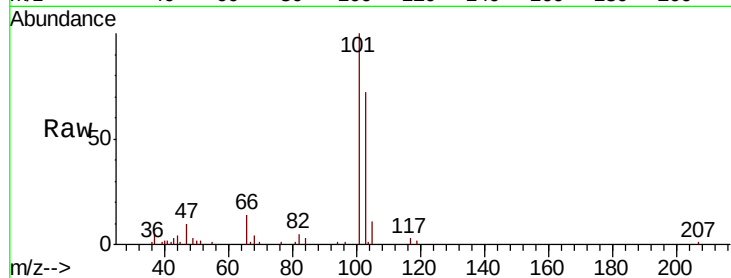


#7

Trichlorofluoromethane
 Concen: 21.416 ug/l
 RT: 3.24 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW012916.D
 Acq: 11 Sep 2019 14:43

Instrument :
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 ClientSampleId :
 VW0911SBSD01

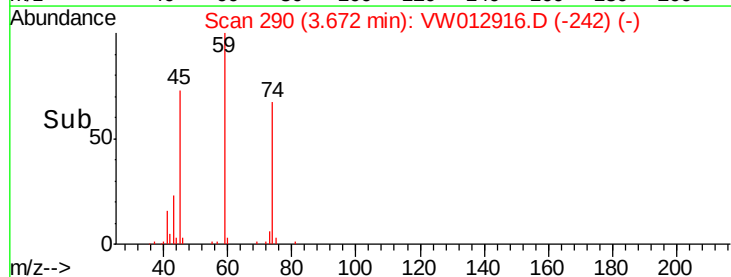
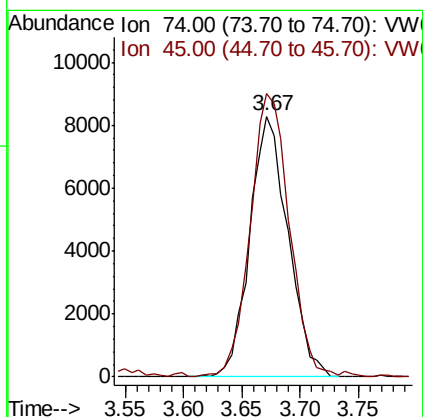
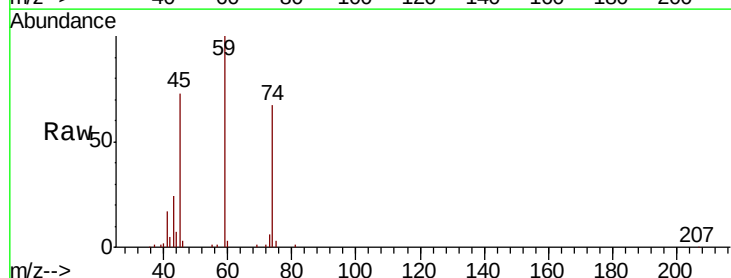
Tgt Ion: 101 Resp: 26871
 Ion Ratio Lower Upper
 101 100
 103 71.9 49.0 73.4

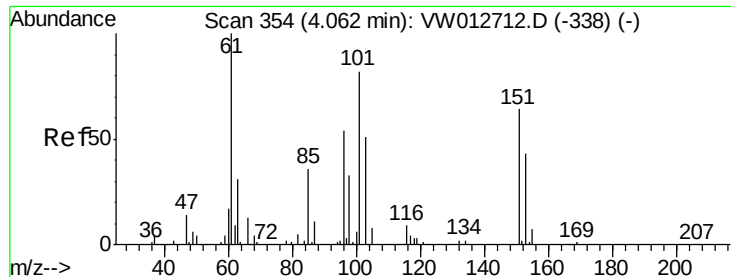


#8

Diethyl Ether
 Concen: 17.901 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW012916.D
 Acq: 11 Sep 2019 14:43

Tgt Ion: 74 Resp: 18878
 Ion Ratio Lower Upper
 74 100
 45 110.8 58.8 176.4

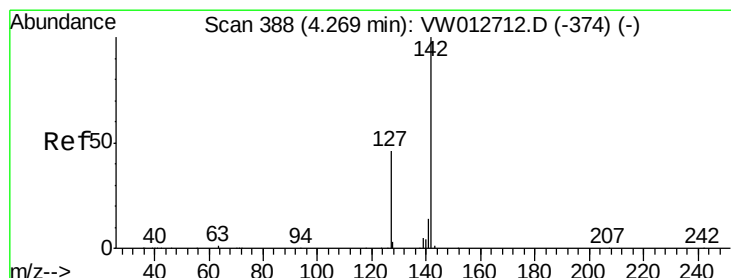
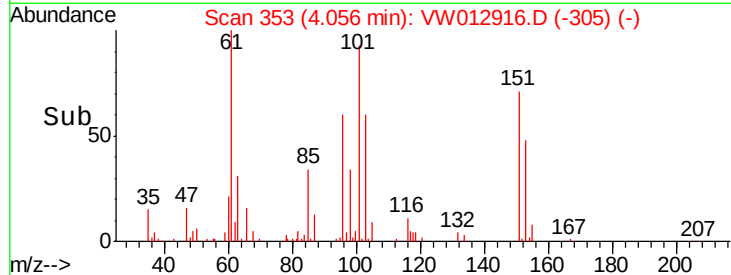
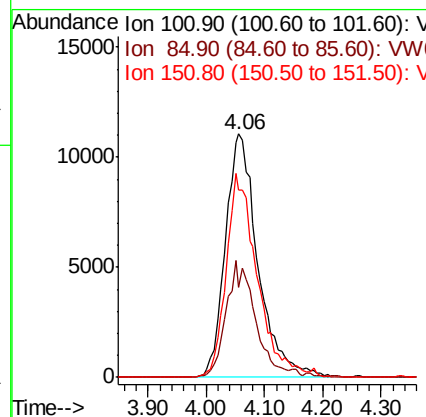
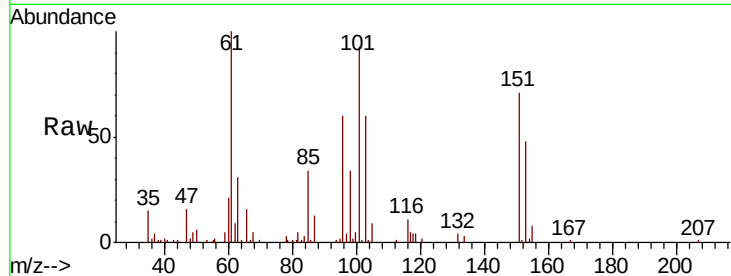




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 21.799 ug/l
 RT: 4.06 min Scan# 353
 Delta R.T. -0.01 min
 Lab File: VW012916.D
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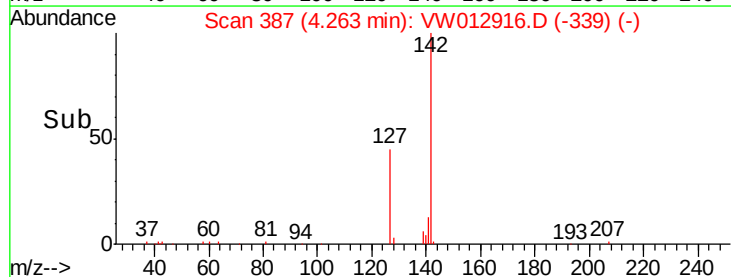
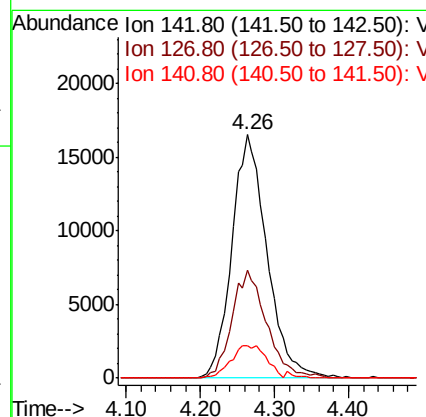
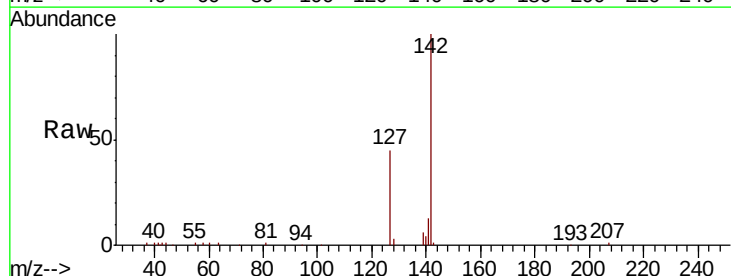
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0911SBSD01

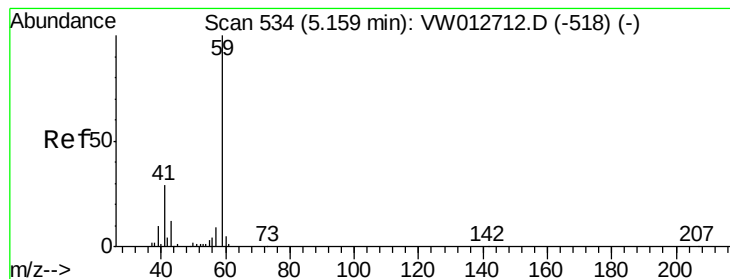
Tgt Ion	Ratio	Lower	Upper
101	100		
85	43.1	36.2	54.2
151	79.3	61.9	92.9



#10
 Methyl Iodide
 Concen: 21.973 ug/l
 RT: 4.26 min Scan# 387
 Delta R.T. -0.01 min
 Lab File: VW012916.D
 Acq: 11 Sep 2019 14:43

Tgt Ion	Ratio	Lower	Upper
142	100		
127	43.7	36.0	54.0
141	13.6	12.2	18.4





#11

Tert butyl alcohol

Concen: 93.664 ug/l

RT: 5.15 min Scan# 533

Delta R.T. -0.01 min

Lab File: VW012916.D

Acq: 11 Sep 2019 14:43

Instrument :

MSVOA_W

ClientSampleId :

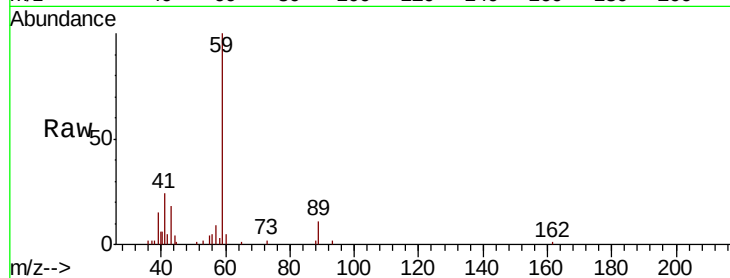
VW0911SBSD01

Tgt Ion: 59 Resp: 18022

Ion Ratio Lower Upper

59 100

57 4.6 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.15

4000

3000

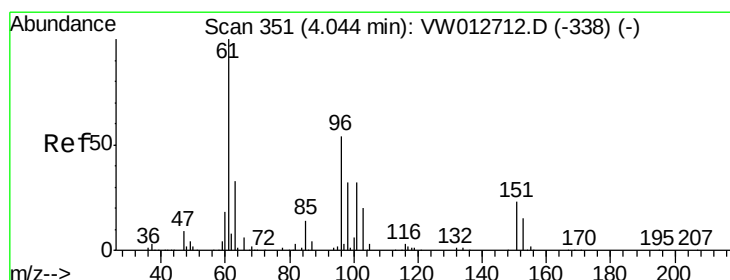
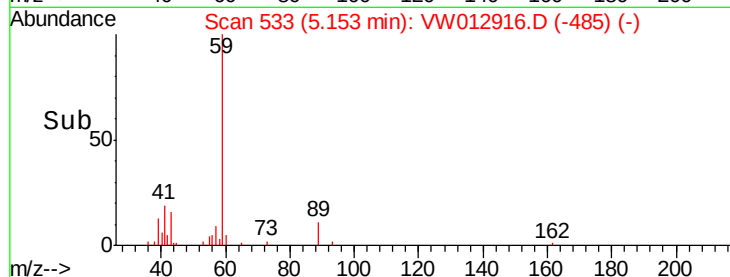
2000

1000

0

5.00 5.10 5.20 5.30

Time-->



#12

1,1-Dichloroethene

Concen: 21.661 ug/l

RT: 4.04 min Scan# 350

Delta R.T. -0.01 min

Lab File: VW012916.D

Acq: 11 Sep 2019 14:43

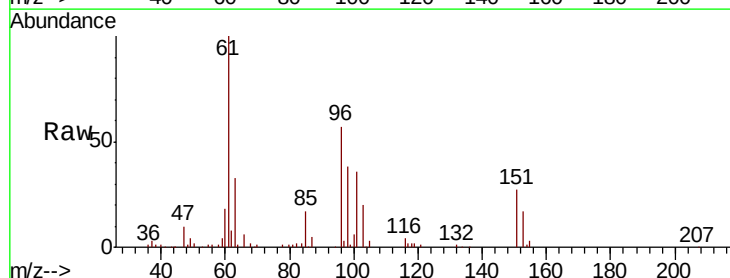
Tgt Ion: 96 Resp: 40261

Ion Ratio Lower Upper

96 100

61 174.8 147.8 221.6

98 65.9 47.9 71.9



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

30000

25000

20000

15000

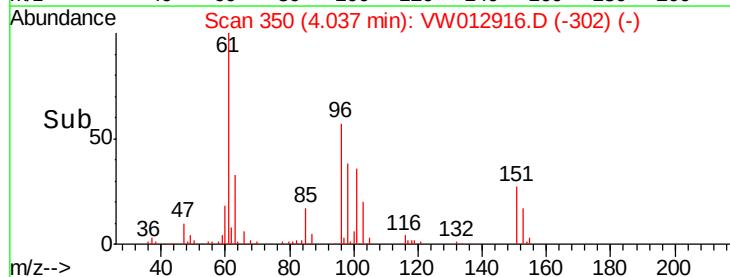
10000

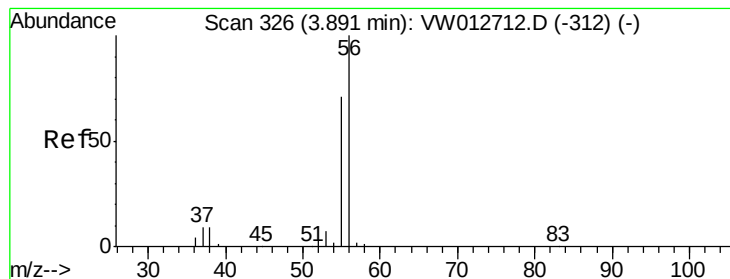
5000

0

3.90 4.00 4.10 4.20

Time-->





#13

Acrolein

Concen: 56.072 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW012916.D

Acq: 11 Sep 2019 14:43

Instrument :

MSVOA_W

ClientSampleId :

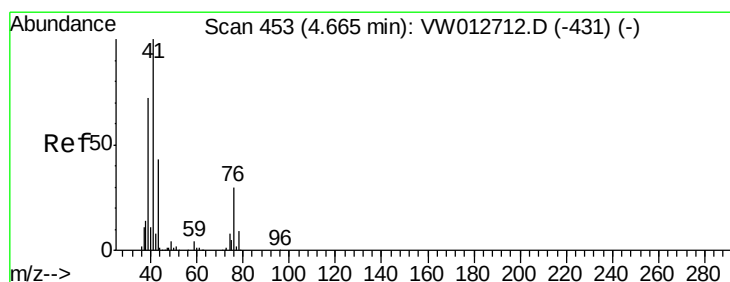
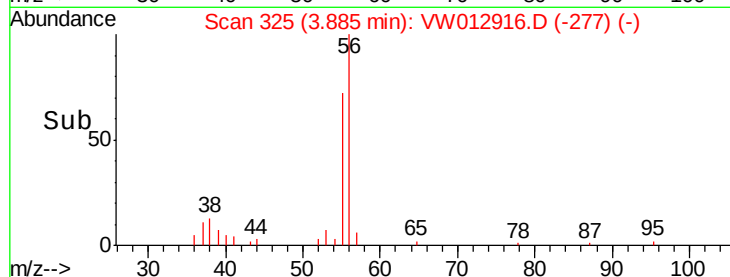
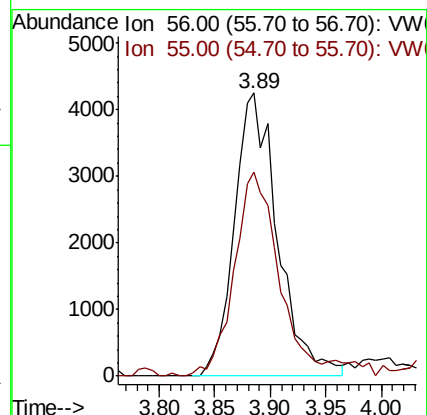
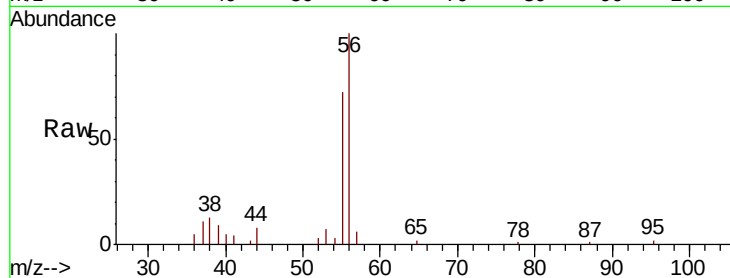
VW0911SBSD01

Tgt Ion: 56 Resp: 11449

Ion Ratio Lower Upper

56 100

55 73.3 56.9 85.3



#14

Allyl chloride

Concen: 18.926 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW012916.D

Acq: 11 Sep 2019 14:43

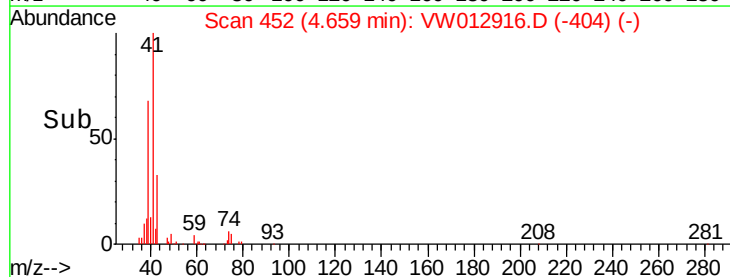
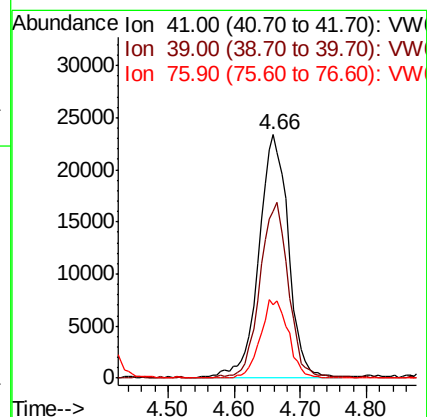
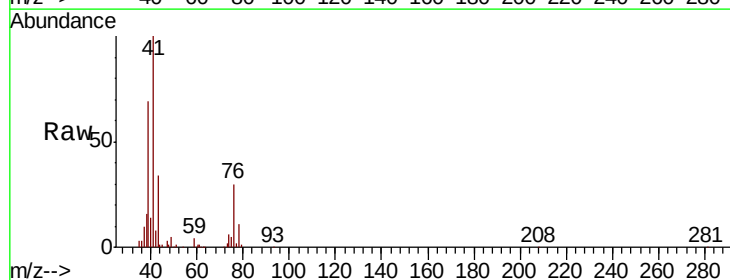
Tgt Ion: 41 Resp: 72771

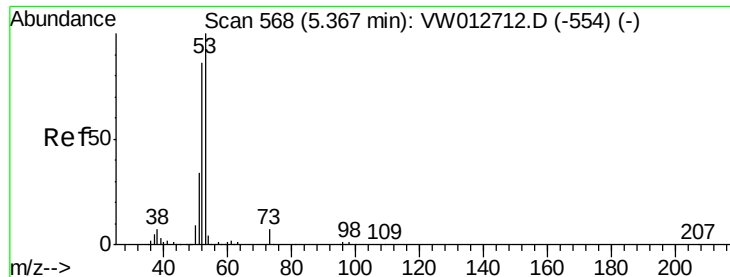
Ion Ratio Lower Upper

41 100

39 67.6 55.0 82.6

76 30.5 23.0 34.4





#15

Acrylonitrile

Concen: 76.042 ug/l

RT: 5.35 min Scan# 566

Delta R.T. -0.01 min

Lab File: VW012916.D

Acq: 11 Sep 2019 14:43

Instrument :

MSVOA_W

ClientSampleId :

VW0911SBSD01

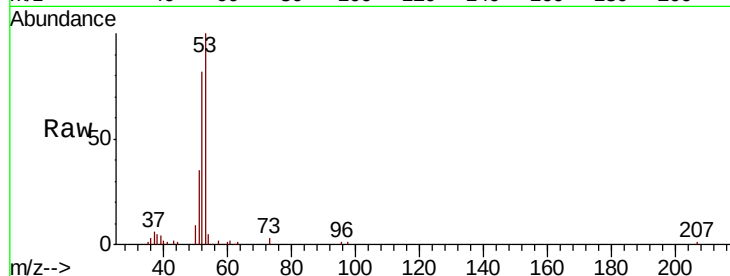
Tgt Ion: 53 Resp: 46837

Ion Ratio Lower Upper

53 100

52 83.5 67.0 100.4

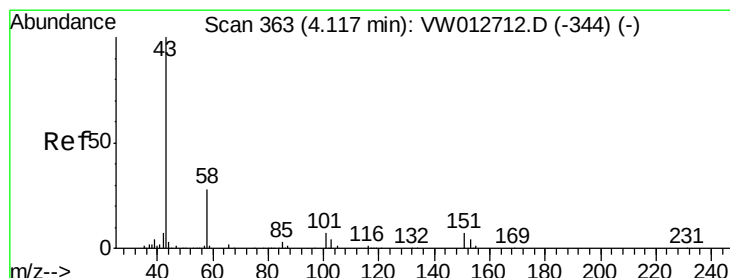
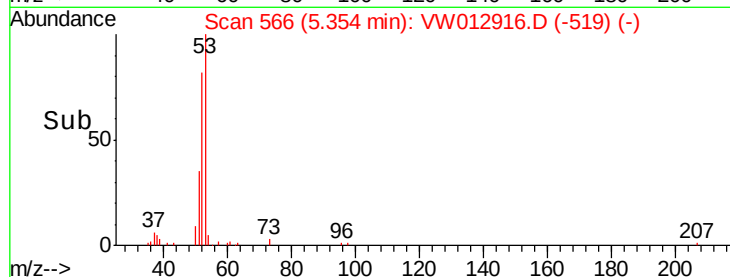
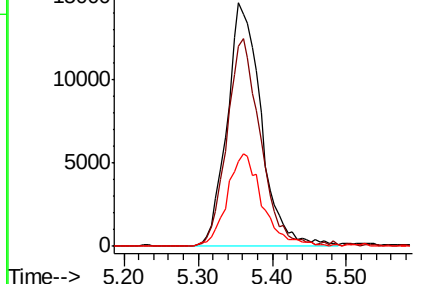
51 39.3 29.8 44.8



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: 72.527 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW012916.D

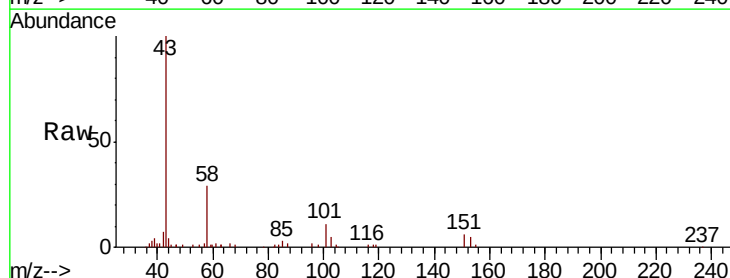
Acq: 11 Sep 2019 14:43

Tgt Ion: 43 Resp: 49724

Ion Ratio Lower Upper

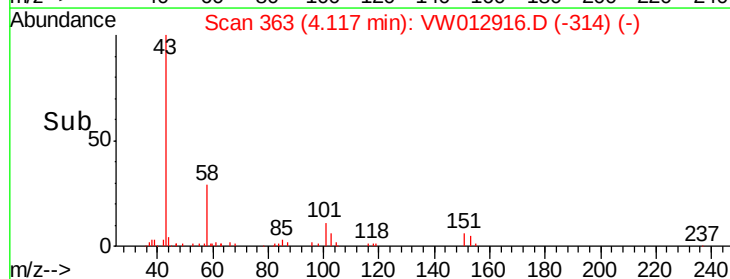
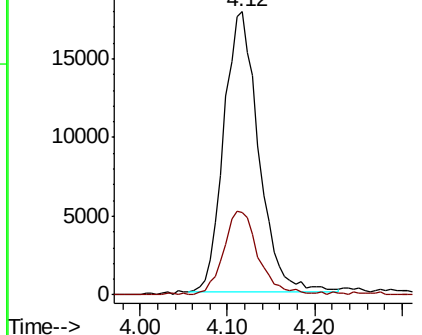
43 100

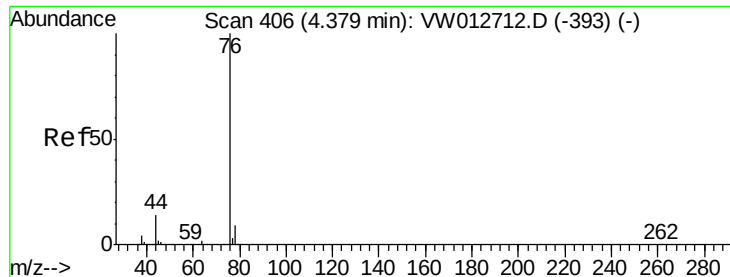
58 29.3 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 20.507 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW012916.D

Acq: 11 Sep 2019 14:43

Instrument :

MSVOA_W

ClientSampleId :

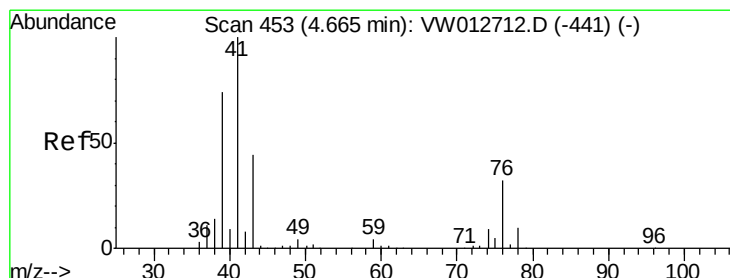
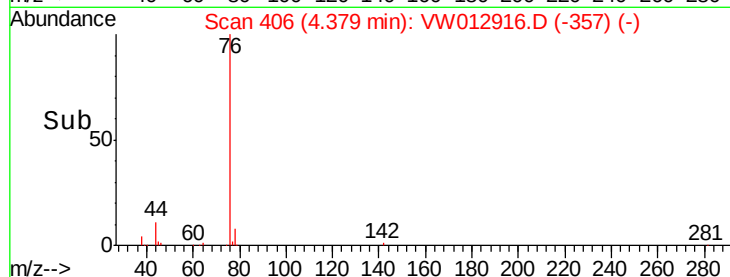
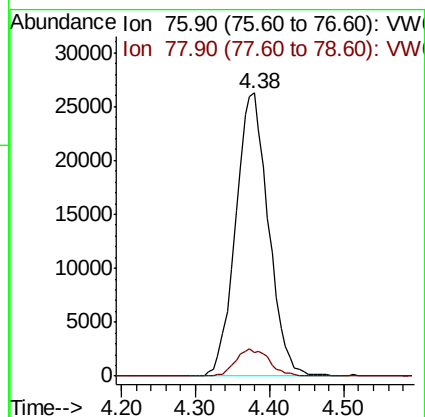
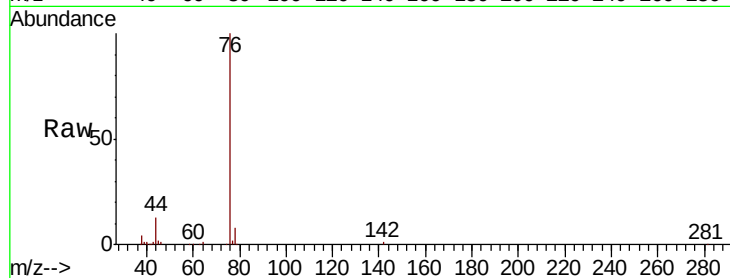
VW0911SBSD01

Tgt Ion: 76 Resp: 80907

Ion Ratio Lower Upper

76 100

78 8.5 7.2 10.8



#18

Methyl Acetate

Concen: 14.777 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012916.D

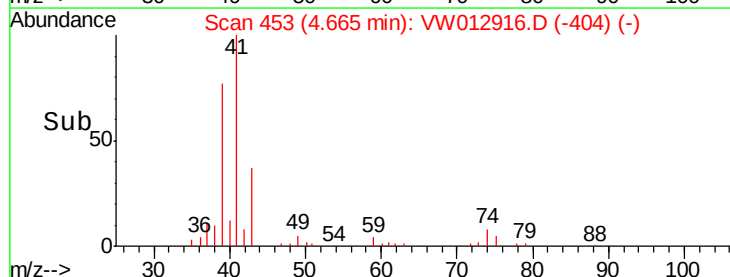
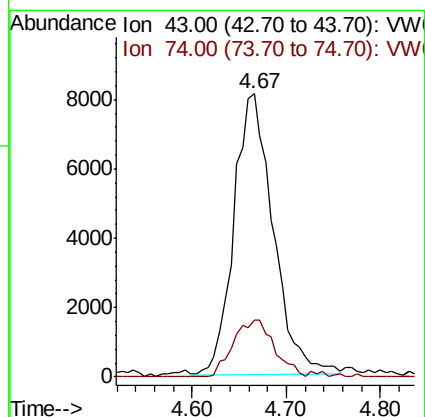
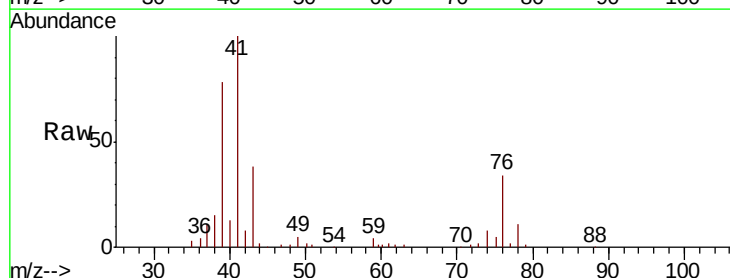
Acq: 11 Sep 2019 14:43

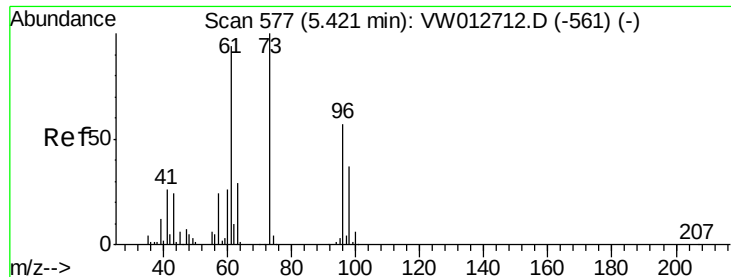
Tgt Ion: 43 Resp: 23769

Ion Ratio Lower Upper

43 100

74 20.9 15.8 23.6

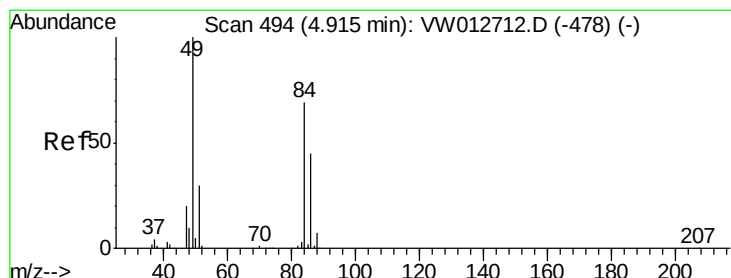
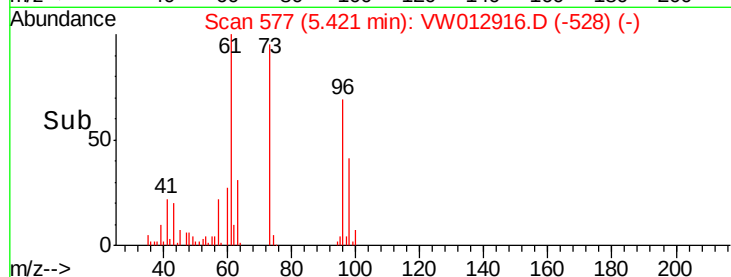
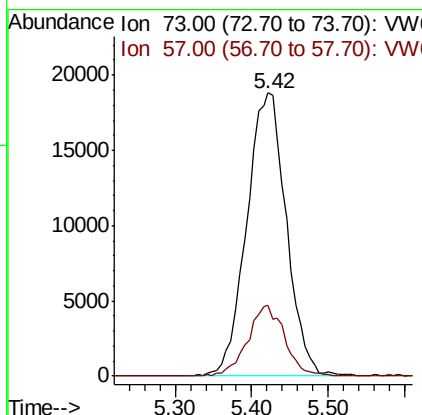
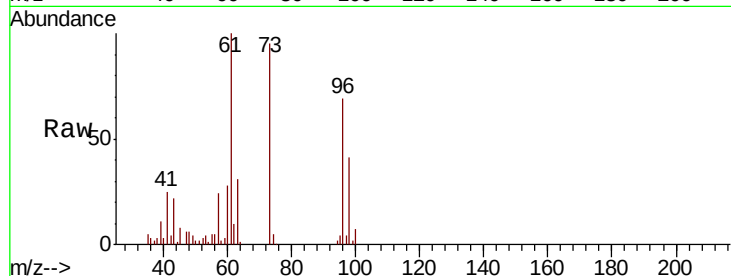




#19
Methyl tert-butyl Ether
Concen: 18.392 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW012916.D
Acq: 11 Sep 2019 14:43

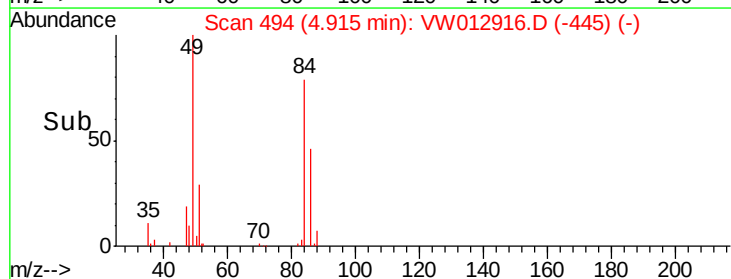
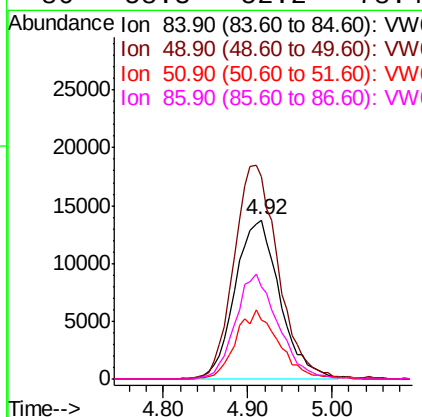
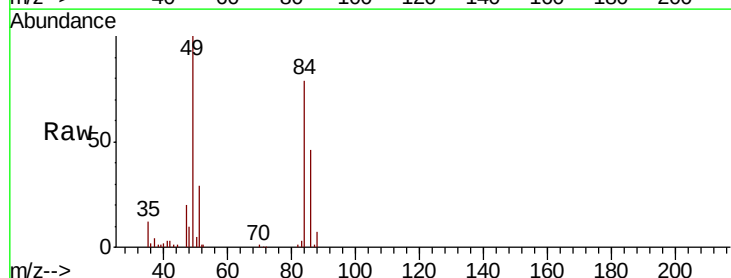
Instrument :
MSVOA_W
ClientSampleId :
VW0911SBSD01

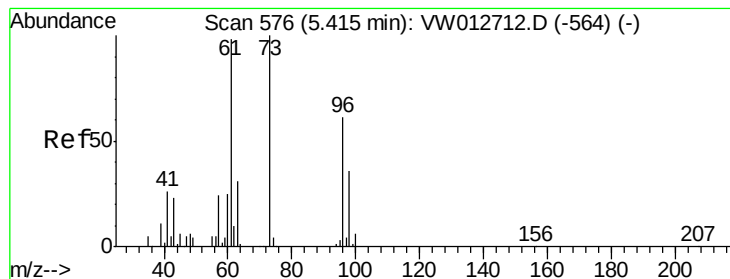
Tgt Ion: 73 Resp: 67796
Ion Ratio Lower Upper
73 100
57 24.9 19.2 28.8



#20
Methylene Chloride
Concen: 23.173 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW012916.D
Acq: 11 Sep 2019 14:43

Tgt Ion: 84 Resp: 49704
Ion Ratio Lower Upper
84 100
49 127.3 115.4 173.0
51 36.3 34.9 52.3
86 58.3 52.2 78.4





#21

trans-1,2-Dichloroethene

Concen: 22.229 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW012916.D

Acq: 11 Sep 2019 14:43

Instrument :

MSVOA_W

ClientSampleId :

VW0911SBSD01

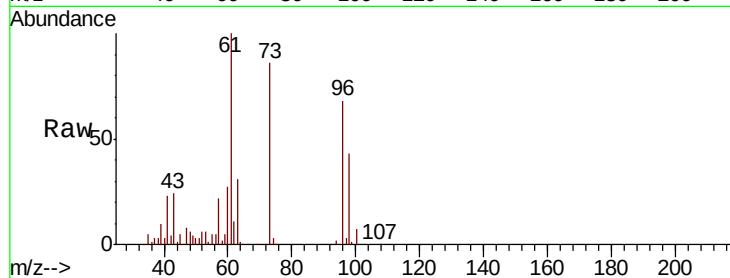
Tgt Ion: 96 Resp: 42159

Ion Ratio Lower Upper

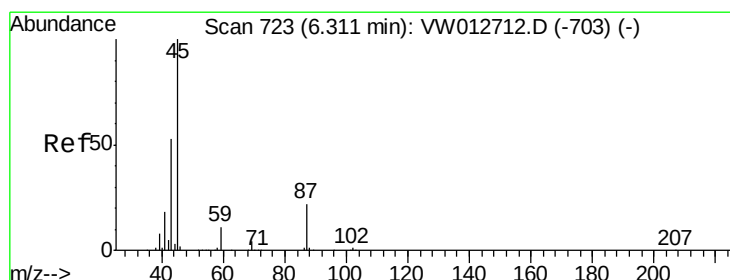
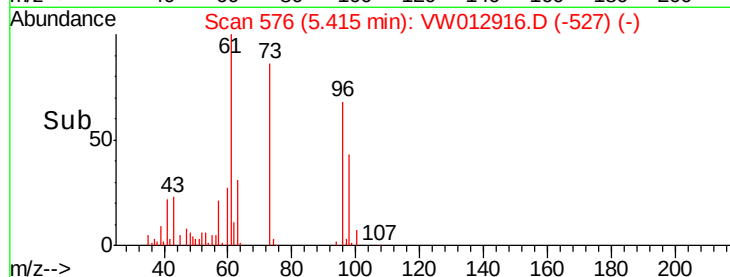
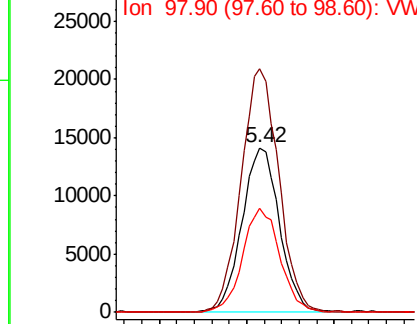
96 100

61 147.3 129.2 193.8

98 63.3 48.0 72.0



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



#22

Diisopropyl ether

Concen: 19.009 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW012916.D

Acq: 11 Sep 2019 14:43

Tgt Ion: 45 Resp: 144968

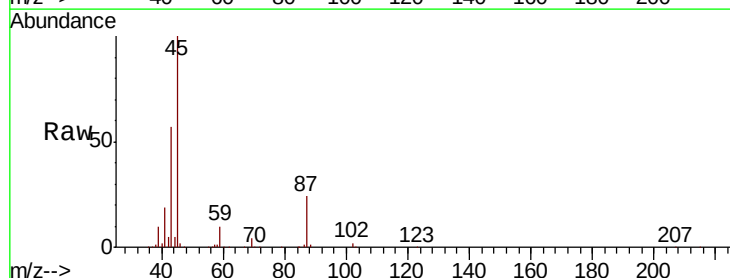
Ion Ratio Lower Upper

45 100

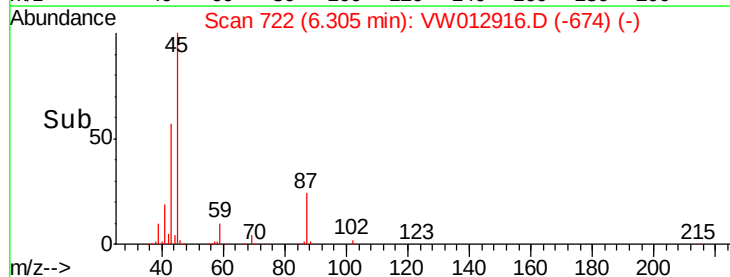
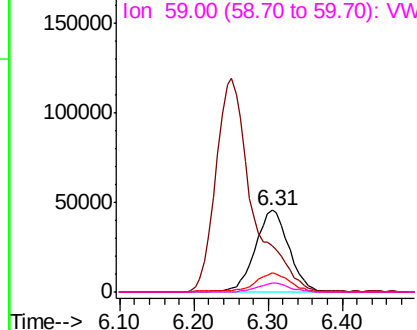
43 56.0 42.3 63.5

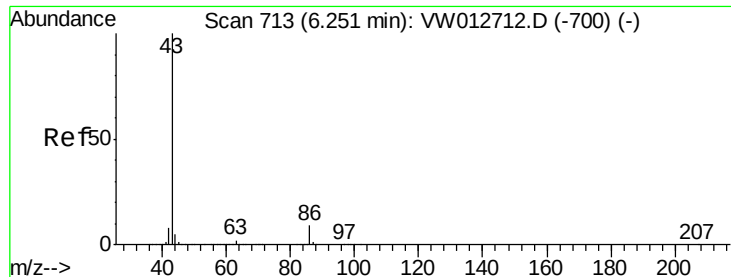
87 23.7 18.2 27.2

59 10.1 8.5 12.7



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

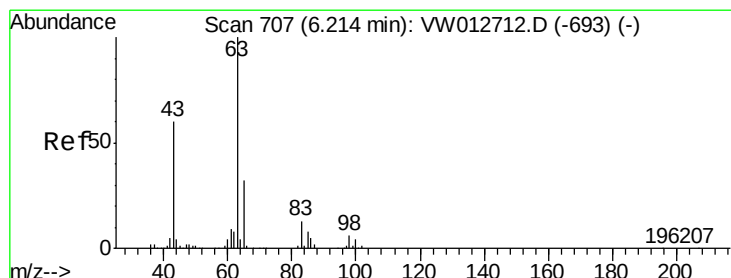
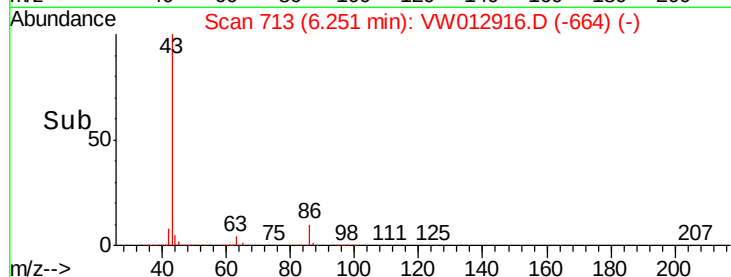
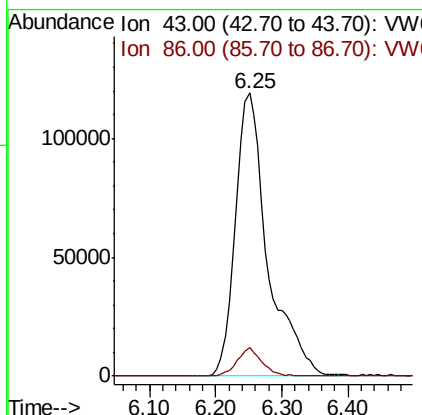
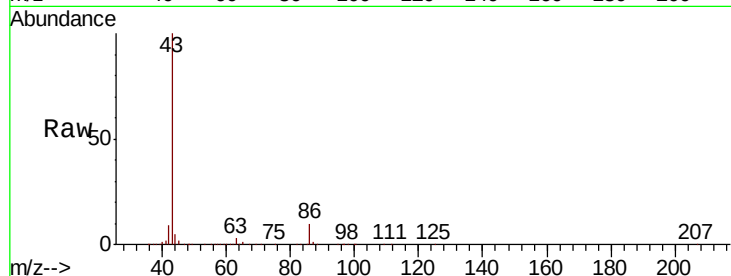




#23
 Vinyl Acetate
 Concen: 83.683 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VW012916.D
 Acq: 11 Sep 2019 14:43

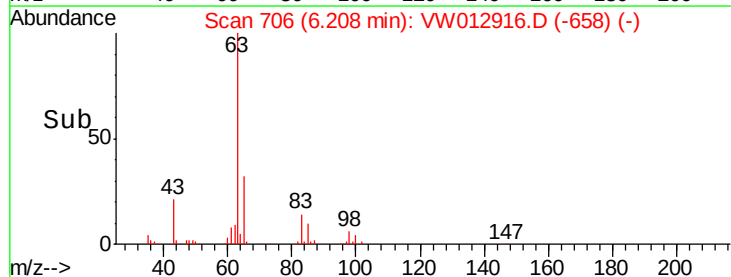
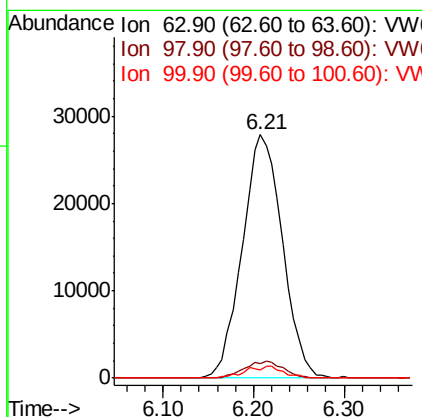
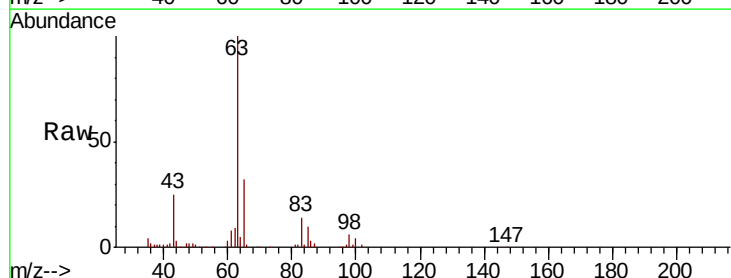
Instrument :
 MSVOA_W
 ClientSampled :
 VW0911SBSD01

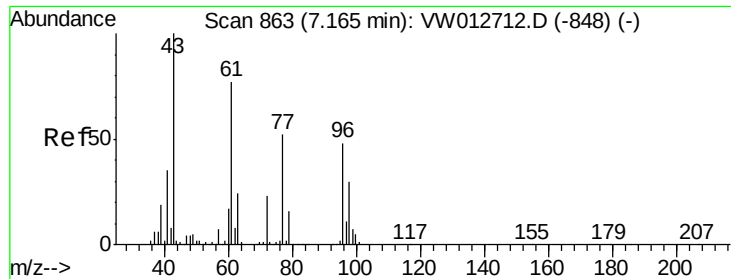
Tgt Ion: 43 Resp: 404440
 Ion Ratio Lower Upper
 43 100
 86 10.1 7.0 10.6



#24
 1,1-Dichloroethane
 Concen: 20.755 ug/l
 RT: 6.21 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: VW012916.D
 Acq: 11 Sep 2019 14:43

Tgt Ion: 63 Resp: 85223
 Ion Ratio Lower Upper
 63 100
 98 6.0 3.1 9.3
 100 3.5 1.8 5.5

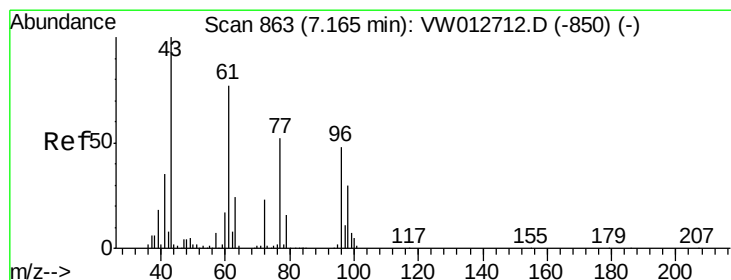
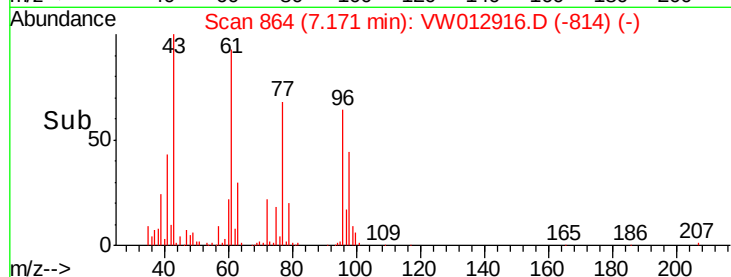
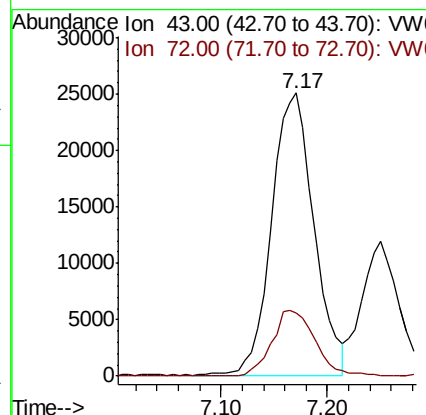
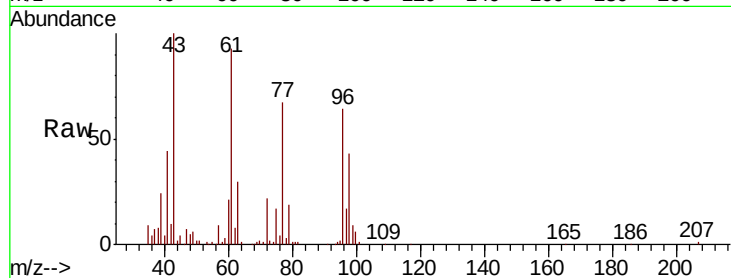




#25
 2-Butanone
 Concen: 82.746 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW012916.D
 Acq: 11 Sep 2019 14:43

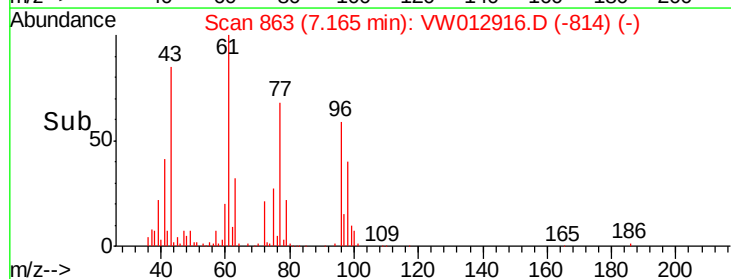
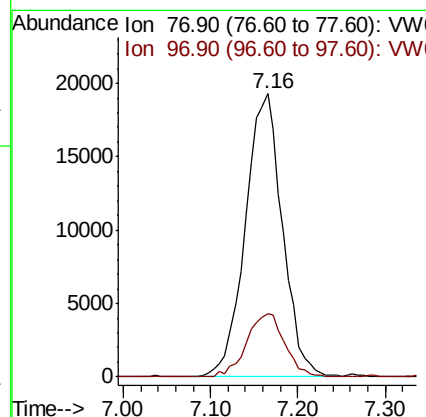
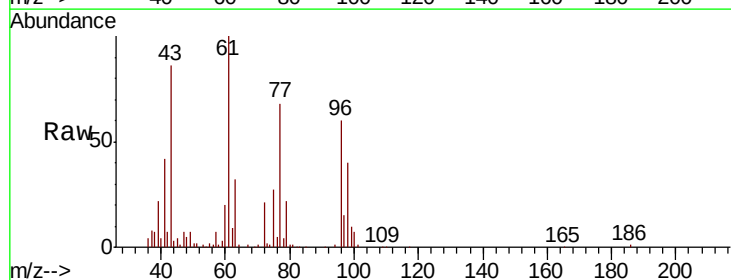
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0911SBSD01

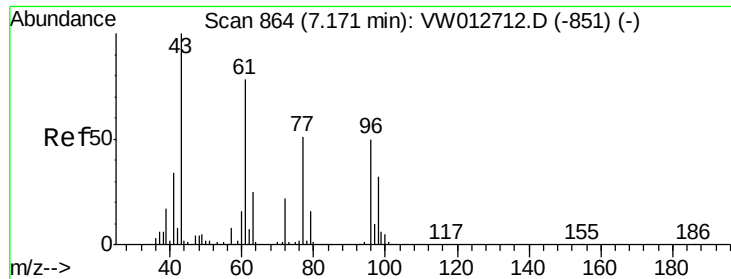
Tgt Ion: 43 Resp: 69104
 Ion Ratio Lower Upper
 43 100
 72 22.4 18.0 27.0



#26
 2,2-Dichloropropane
 Concen: 21.947 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW012916.D
 Acq: 11 Sep 2019 14:43

Tgt Ion: 77 Resp: 56919
 Ion Ratio Lower Upper
 77 100
 97 22.8 10.7 32.1



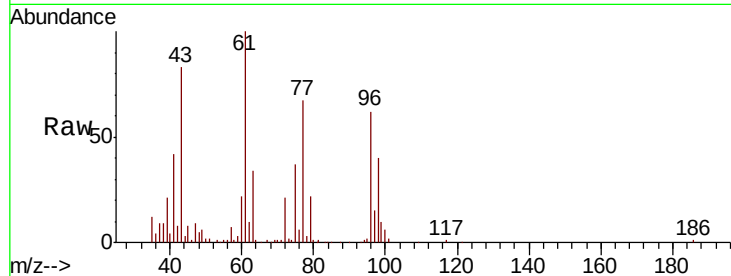


#27

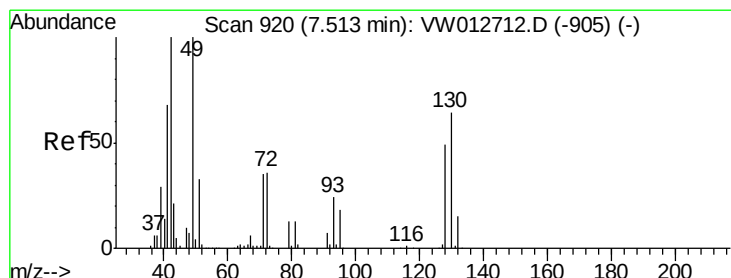
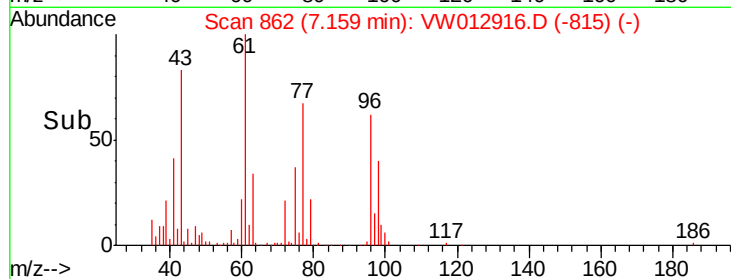
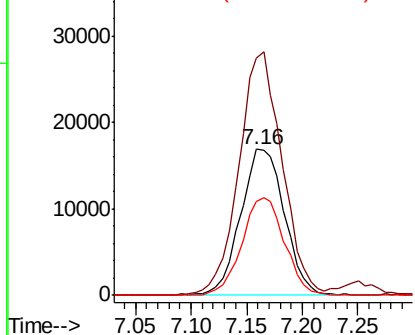
cis-1,2-Dichloroethene
Concen: 20.895 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW012916.D
Acq: 11 Sep 2019 14:43

Instrument :
MSVOA_W
ClientSampleId :
VW0911SBSD01

Tgt Ion: 96 Resp: 45950
Ion Ratio Lower Upper
96 100
61 165.3 0.0 325.8
98 65.6 0.0 127.0



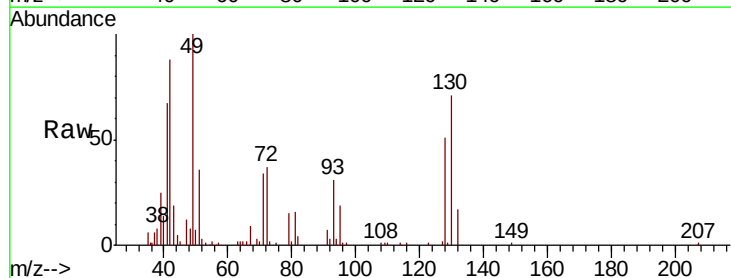
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



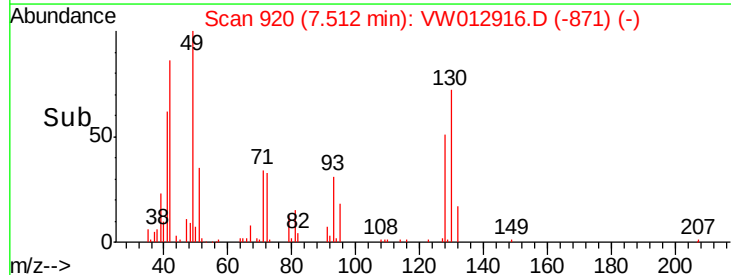
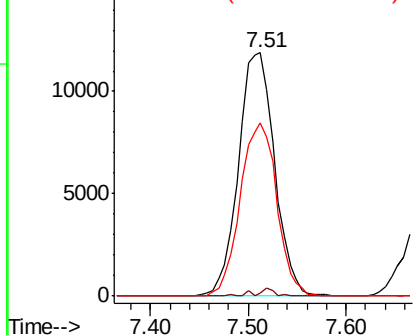
#28

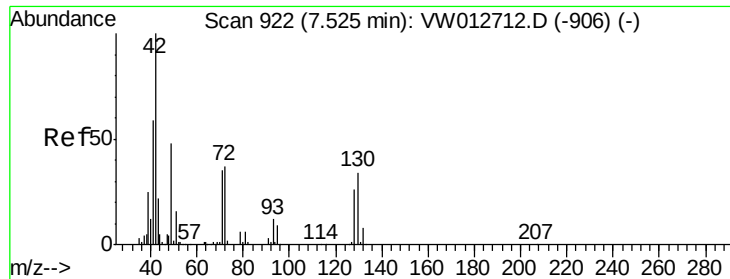
Bromochloromethane
Concen: 16.197 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW012916.D
Acq: 11 Sep 2019 14:43

Tgt Ion: 49 Resp: 30538
Ion Ratio Lower Upper
49 100
129 1.5 0.0 0.8#
130 71.7 49.8 74.8



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

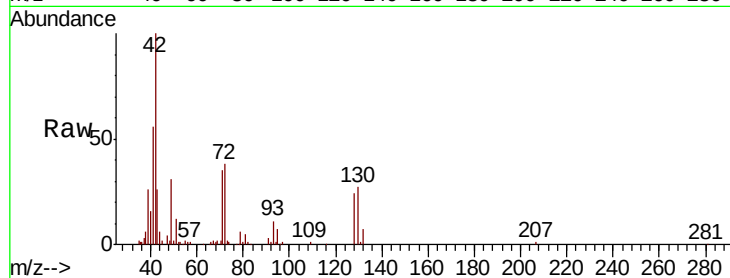




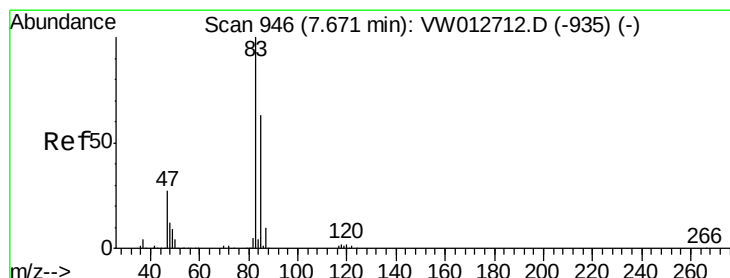
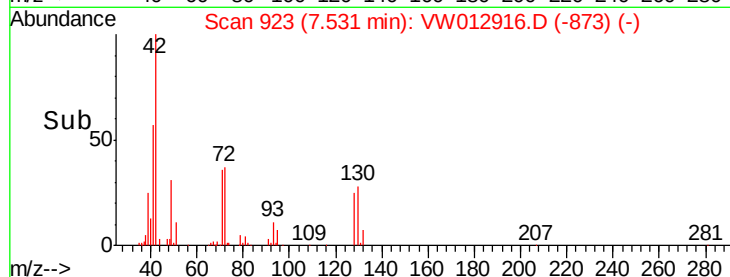
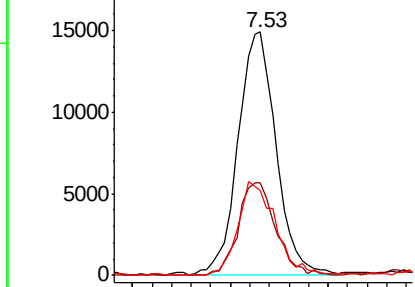
#29
Tetrahydrofuran
Concen: 73.301 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW012916.D
Acq: 11 Sep 2019 14:43

Instrument :
MSVOA_W
ClientSampleId :
VW0911SBSD01

Tgt Ion: 42 Resp: 40583
Ion Ratio Lower Upper
42 100
72 37.4 28.4 42.6
71 37.5 27.1 40.7

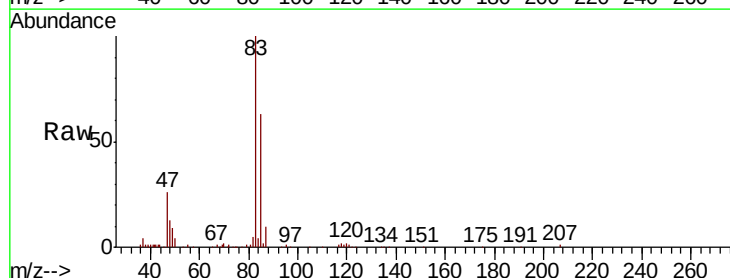


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

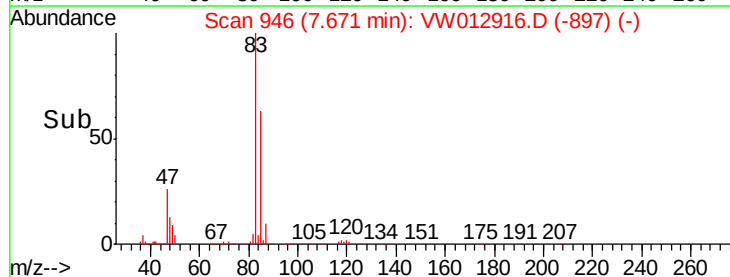
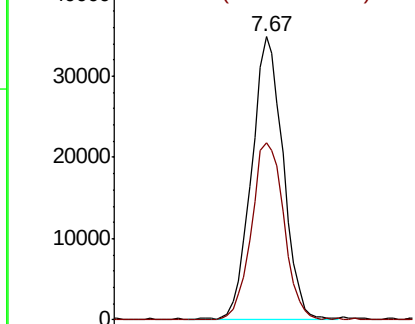


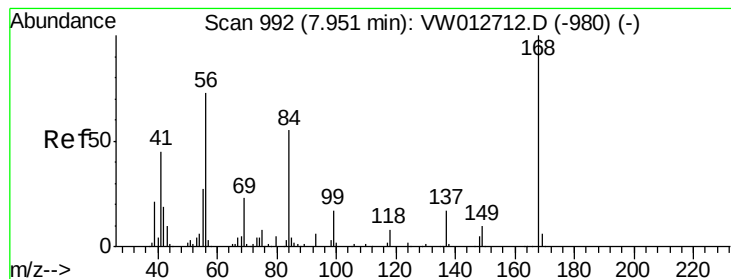
#30
Chloroform
Concen: 20.369 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW012916.D
Acq: 11 Sep 2019 14:43

Tgt Ion: 83 Resp: 82890
Ion Ratio Lower Upper
83 100
85 62.8 50.6 76.0



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





#31

Cyclohexane

Concen: 21.371 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW012916.D

Acq: 11 Sep 2019 14:43

Instrument :

MSVOA_W

ClientSampleId :

VW0911SBSD01

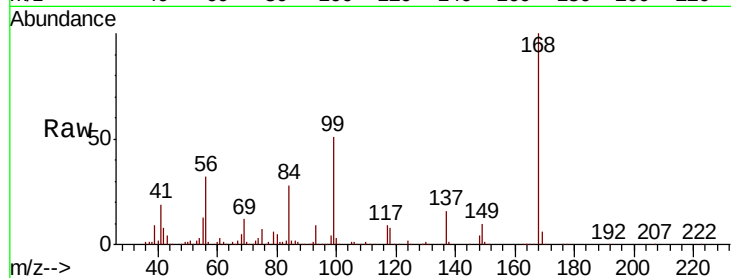
Tgt Ion: 56 Resp: 79003

Ion Ratio Lower Upper

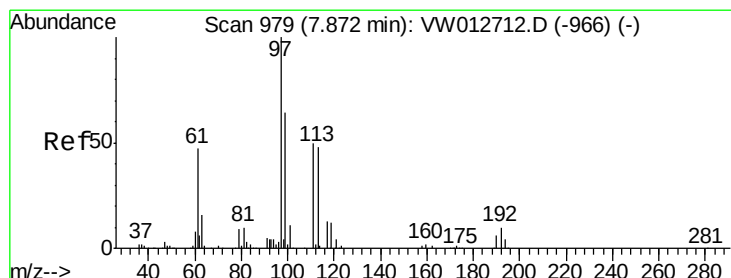
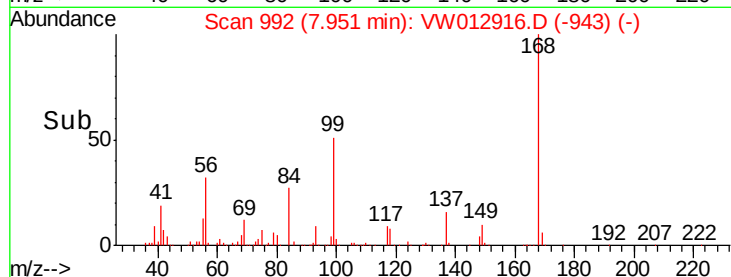
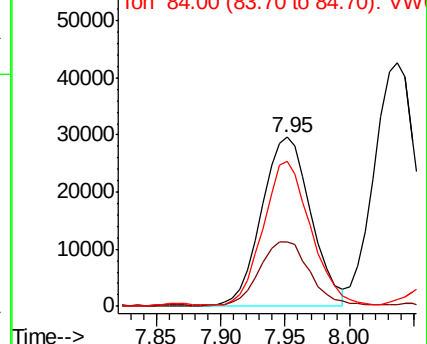
56 100

69 37.9 25.7 38.5

84 84.2 60.4 90.6



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



#32

1,1,1-Trichloroethane

Concen: 21.519 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW012916.D

Acq: 11 Sep 2019 14:43

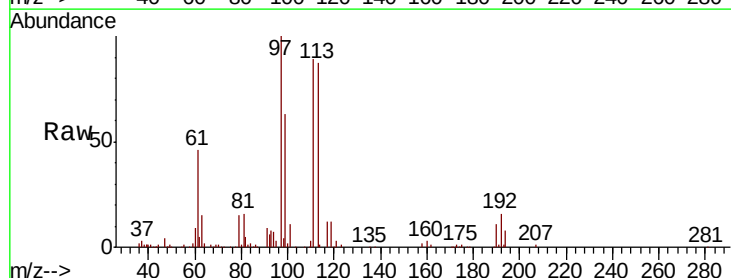
Tgt Ion: 97 Resp: 70984

Ion Ratio Lower Upper

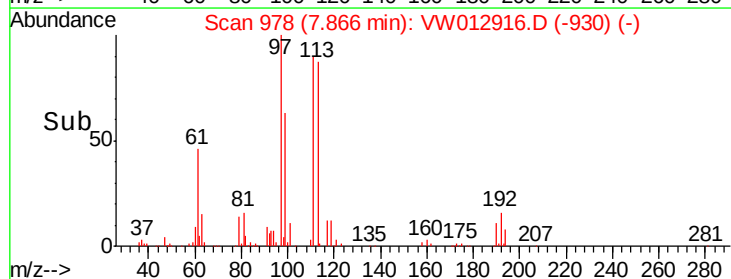
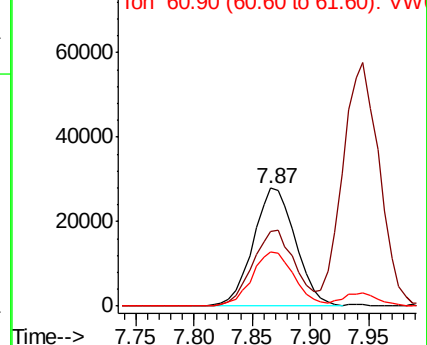
97 100

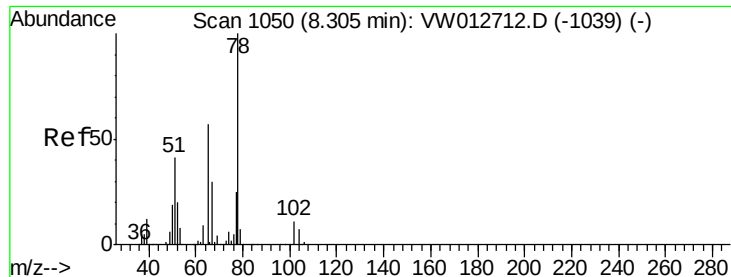
99 63.7 51.5 77.3

61 45.9 37.9 56.9



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

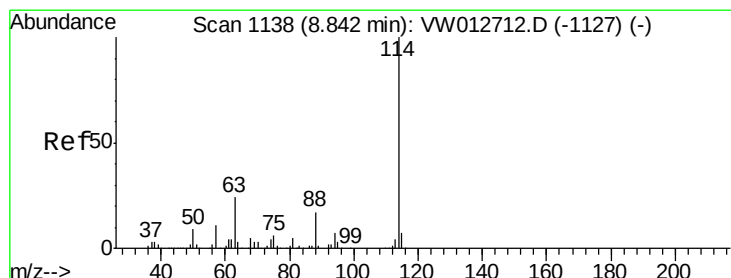
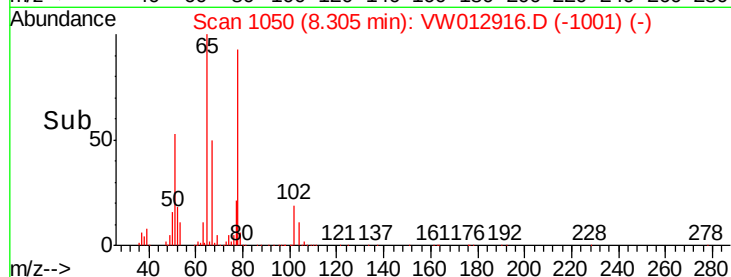
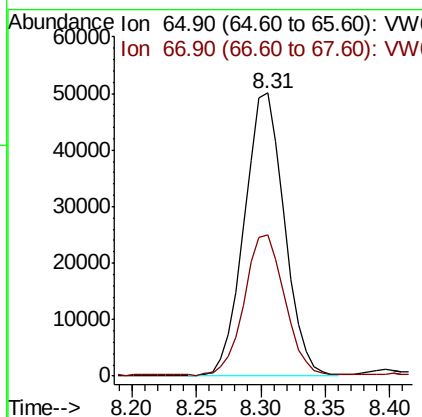
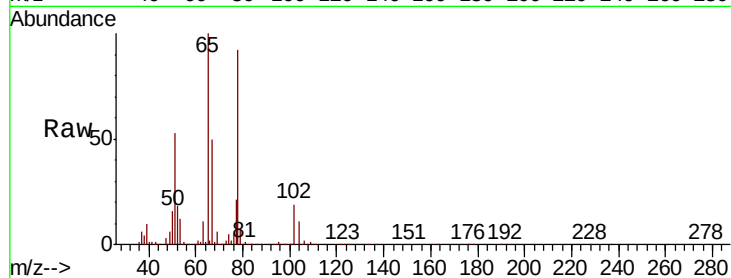




#33
 1,2-Dichloroethane-d4
 Concen: 42.945 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012916.D
 Acq: 11 Sep 2019 14:43

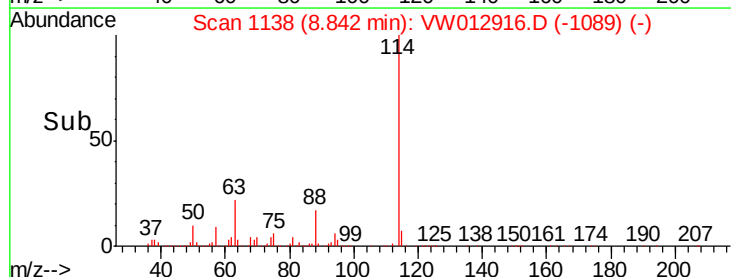
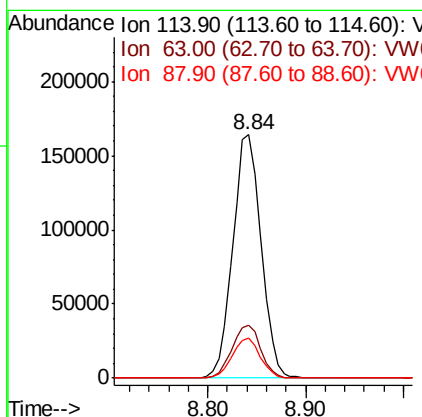
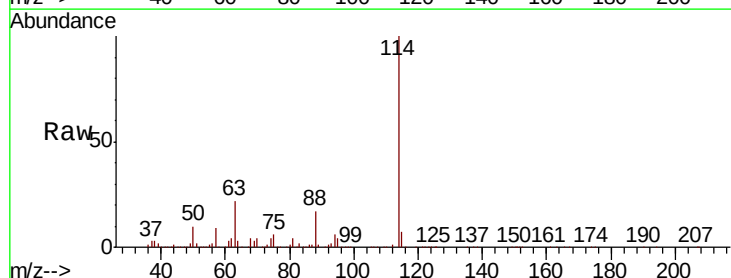
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0911SBSD01

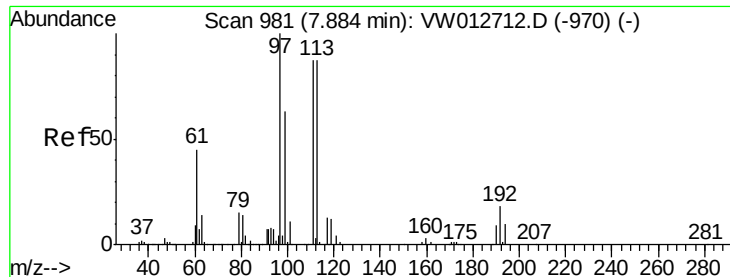
Tgt Ion: 65 Resp: 107999
 Ion Ratio Lower Upper
 65 100
 67 49.7 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012916.D
 Acq: 11 Sep 2019 14:43

Tgt Ion: 114 Resp: 329136
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 47.2
 88 16.5 0.0 34.0

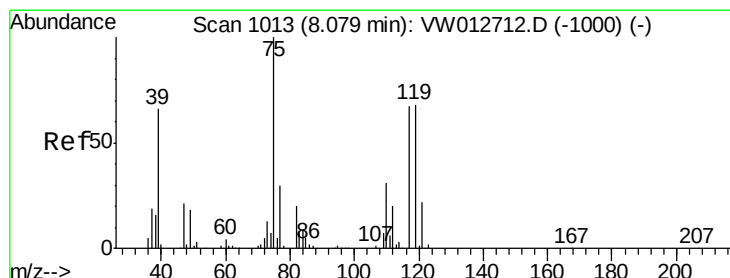
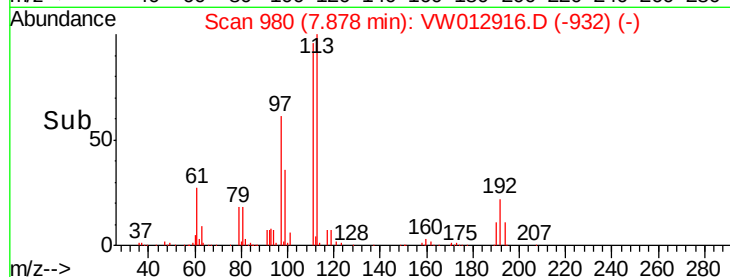
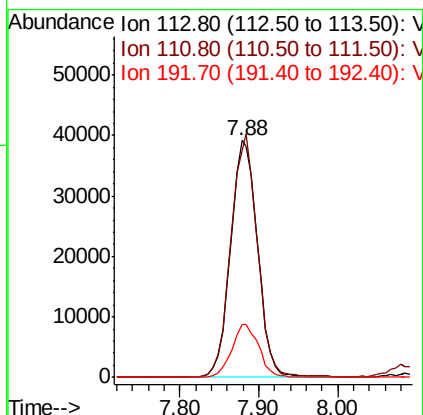
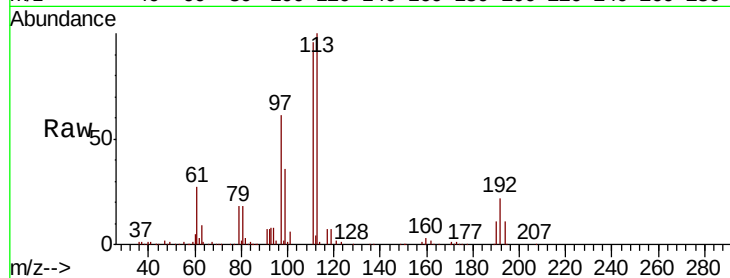




#35
 Dibromofluoromethane
 Concen: 47.488 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012916.D
 Acq: 11 Sep 2019 14:43

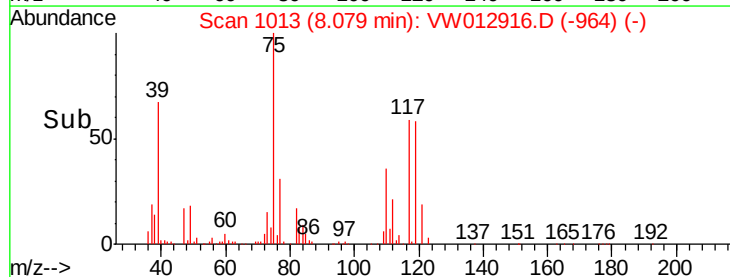
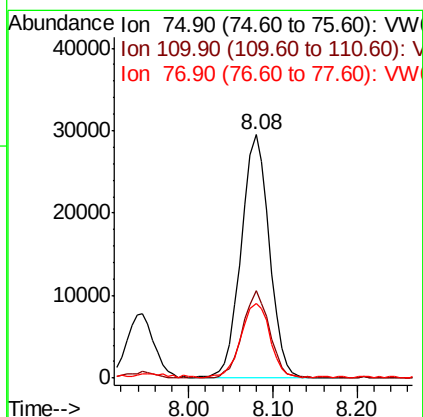
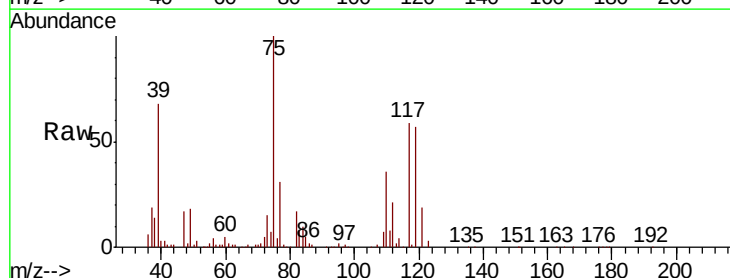
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0911SBSD01

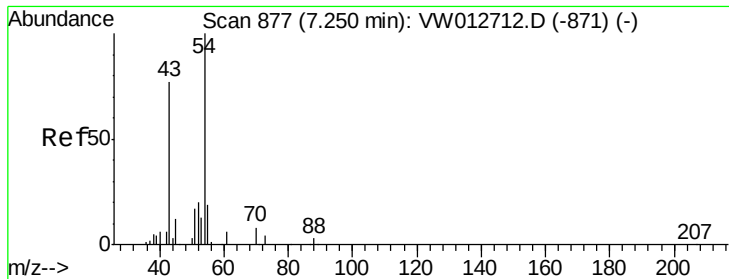
Tgt Ion: 113 Resp: 92925
 Ion Ratio Lower Upper
 113 100
 111 100.8 80.2 120.4
 192 22.3 17.3 25.9



#36
 1,1-Dichloropropene
 Concen: 22.702 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW012916.D
 Acq: 11 Sep 2019 14:43

Tgt Ion: 75 Resp: 66392
 Ion Ratio Lower Upper
 75 100
 110 34.6 15.9 47.7
 77 32.2 25.0 37.4

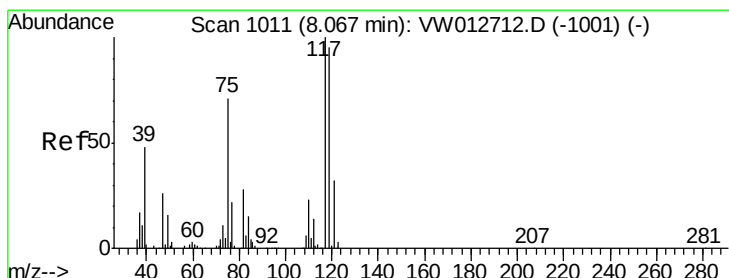
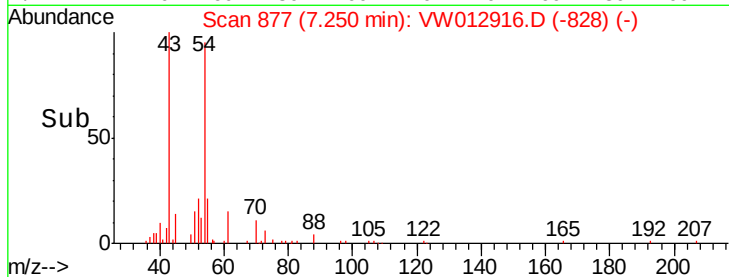
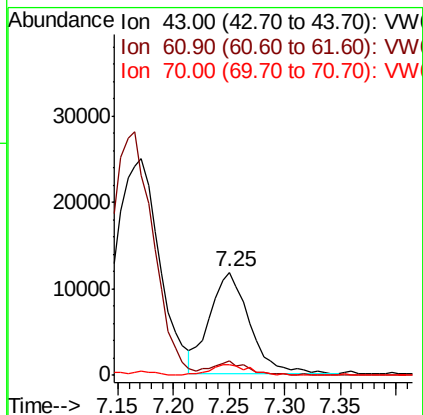
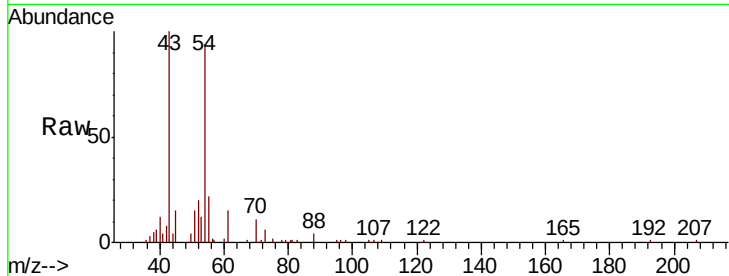




#37
Ethyl Acetate
Concen: 15.697 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012916.D
Acq: 11 Sep 2019 14:43

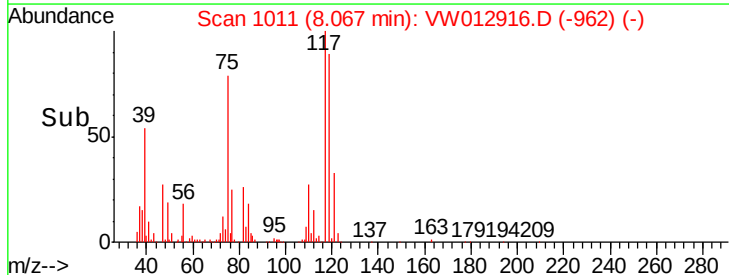
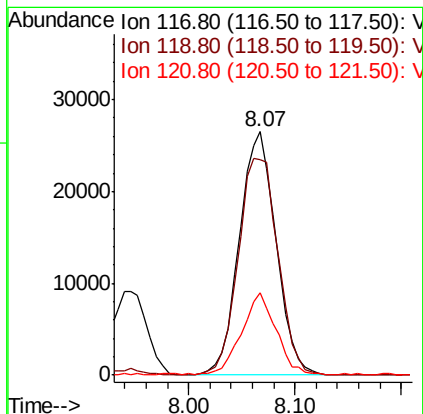
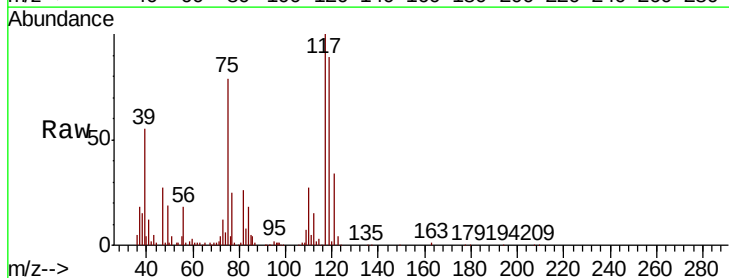
Instrument :
MSVOA_W
ClientSampleId :
VW0911SBSD01

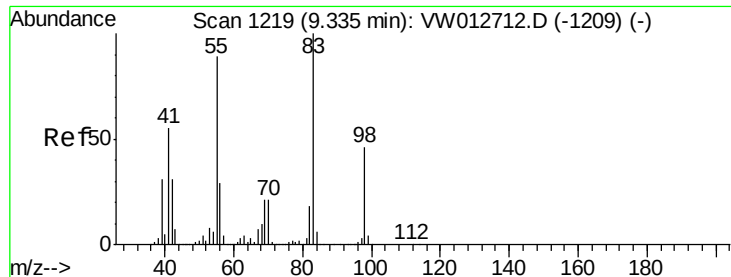
Tgt Ion: 43 Resp: 29263
Ion Ratio Lower Upper
43 100
61 13.1 9.5 14.3
70 10.4 7.0 10.6



#38
Carbon Tetrachloride
Concen: 22.303 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012916.D
Acq: 11 Sep 2019 14:43

Tgt Ion: 117 Resp: 64294
Ion Ratio Lower Upper
117 100
119 88.6 76.2 114.2
121 33.6 25.4 38.2

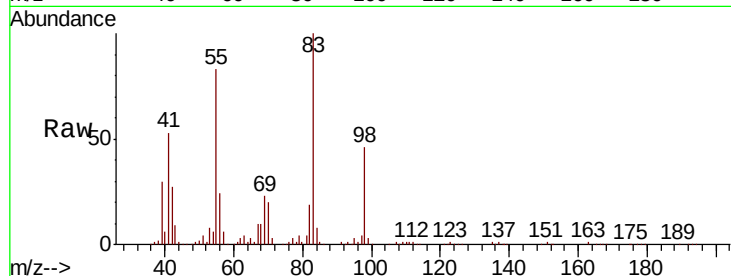




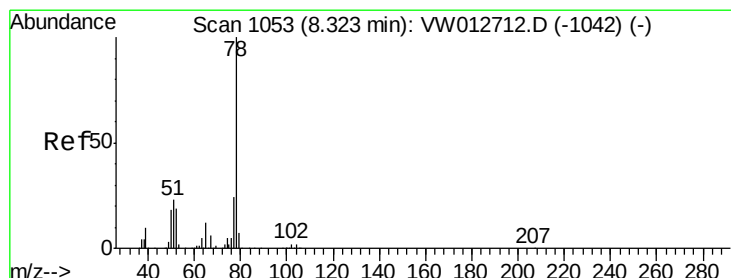
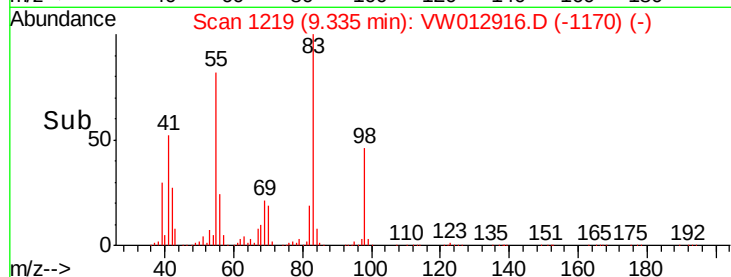
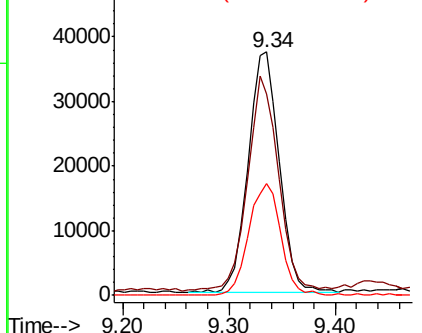
#39
Methylcyclohexane
Concen: 23.442 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012916.D
Acq: 11 Sep 2019 14:43

Instrument :
MSVOA_W
ClientSampleId :
VW0911SBSD01

Tgt Ion: 83 Resp: 76997
Ion Ratio Lower Upper
83 100
55 81.3 71.0 106.4
98 46.3 36.9 55.3

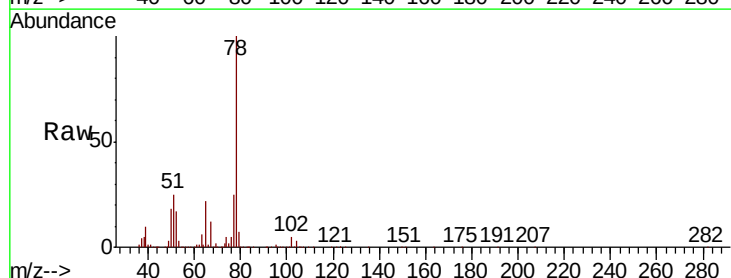


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

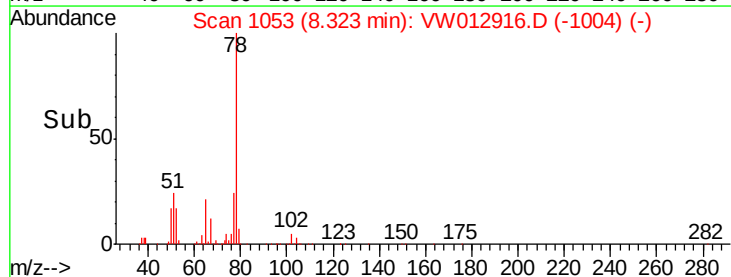
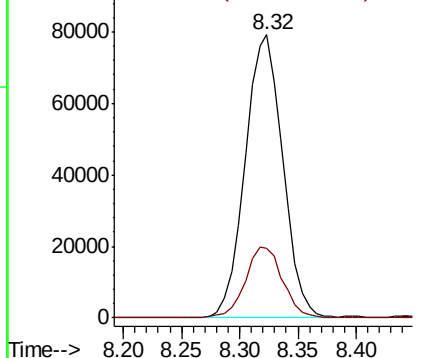


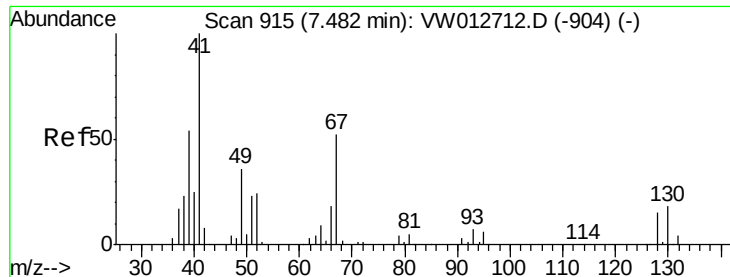
#40
Benzene
Concen: 21.993 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012916.D
Acq: 11 Sep 2019 14:43

Tgt Ion: 78 Resp: 178450
Ion Ratio Lower Upper
78 100
77 24.5 19.3 28.9



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

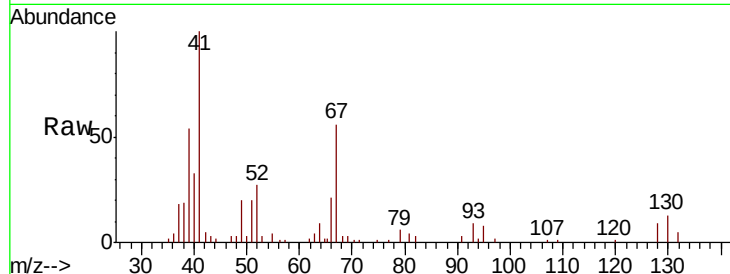




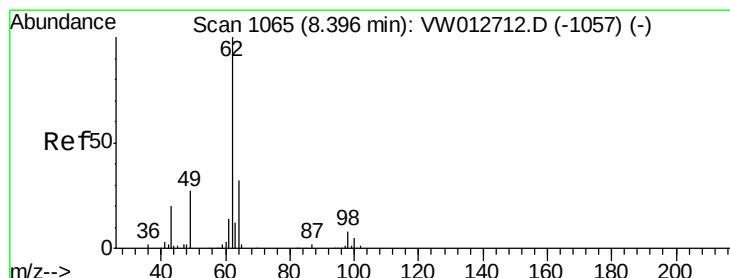
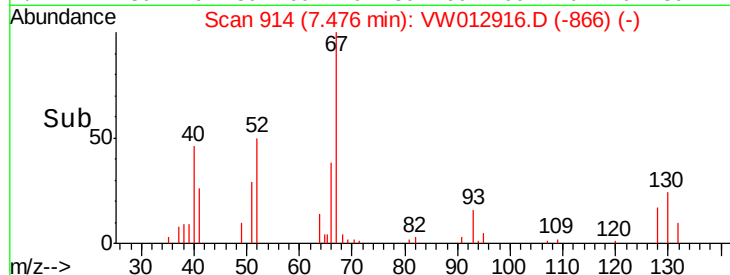
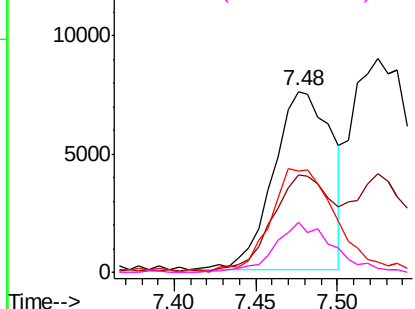
#41
Methacrylonitrile
Concen: 17.583 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW012916.D
Acq: 11 Sep 2019 14:43

Instrument :
MSVOA_W
ClientSampleId :
VW0911SBSD01

Tgt Ion:	41	Resp:	18866
Ion	Ratio	Lower	Upper
41	100		
39	53.2	47.5	71.3
67	65.9	45.1	67.7
52	27.6	20.2	30.2

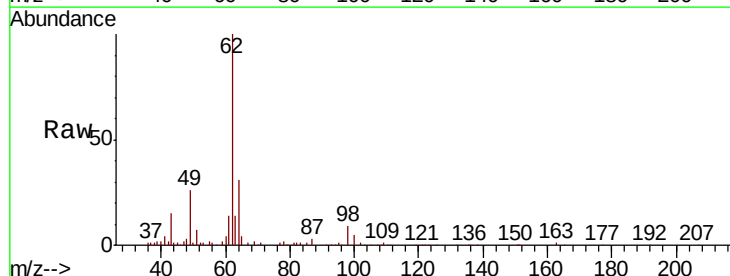


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

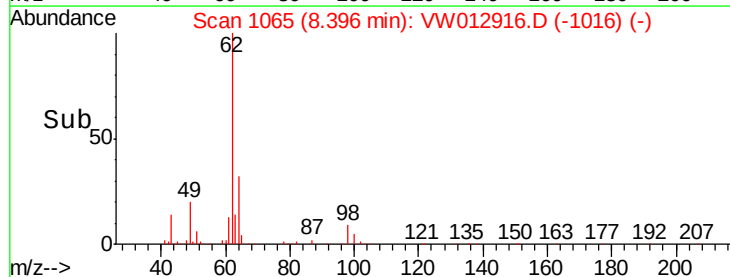
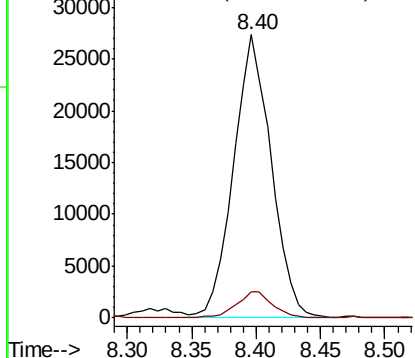


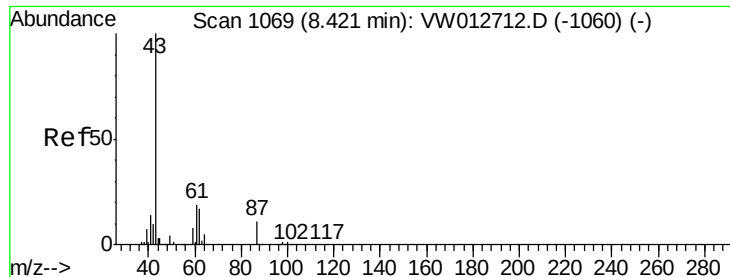
#42
1,2-Dichloroethane
Concen: 19.453 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012916.D
Acq: 11 Sep 2019 14:43

Tgt Ion:	62	Resp:	55551
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	16.2



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





#43

Isopropyl Acetate

Concen: 16.429 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012916.D

Acq: 11 Sep 2019 14:43

Instrument :

MSVOA_W

ClientSampleId :

VW0911SBSD01

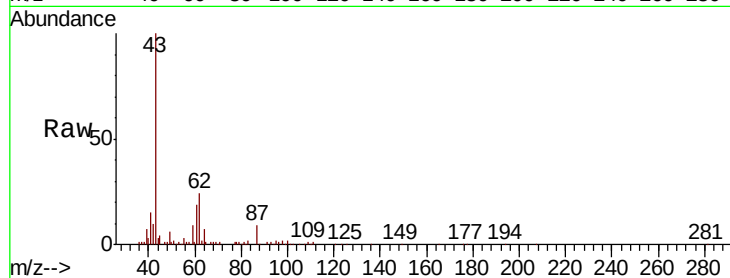
Tgt Ion: 43 Resp: 58027

Ion Ratio Lower Upper

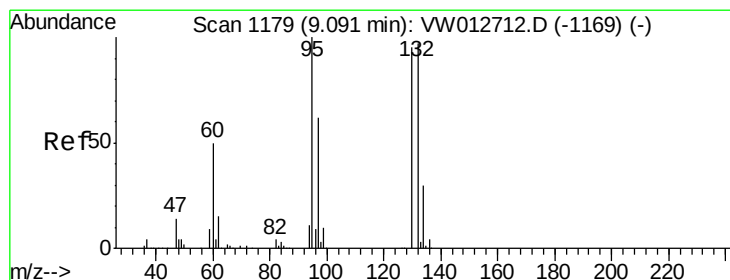
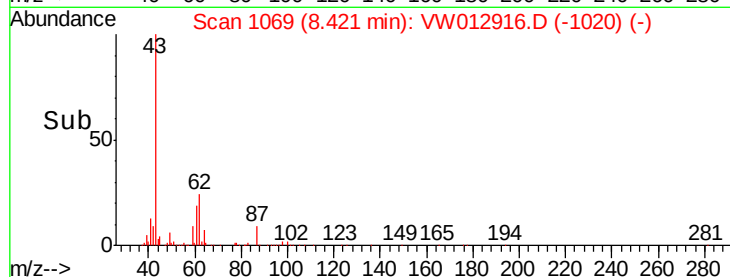
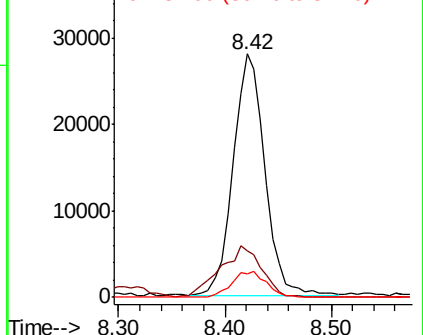
43 100

61 28.2 20.6 30.8

87 11.6 8.6 13.0



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: 23.340 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW012916.D

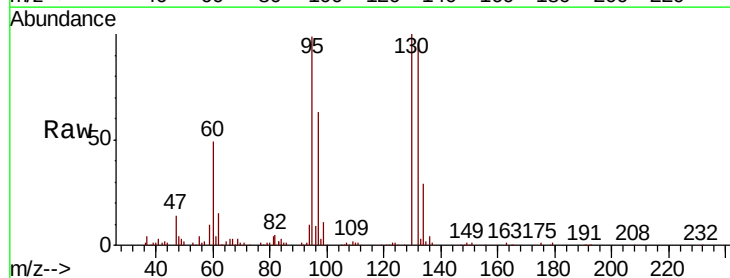
Acq: 11 Sep 2019 14:43

Tgt Ion: 130 Resp: 48817

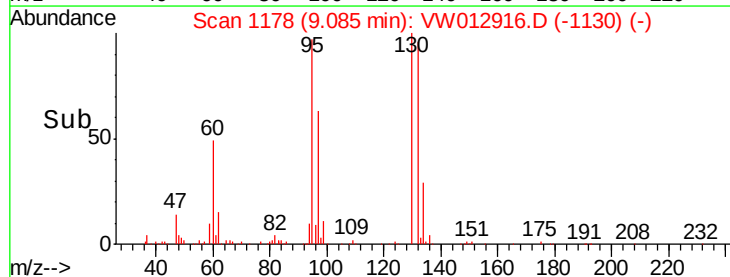
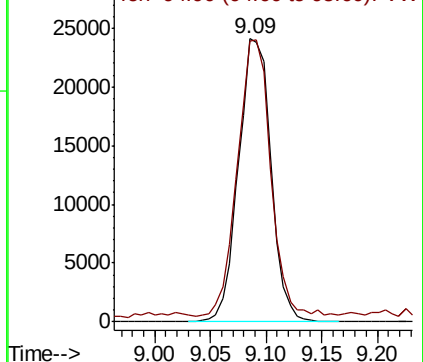
Ion Ratio Lower Upper

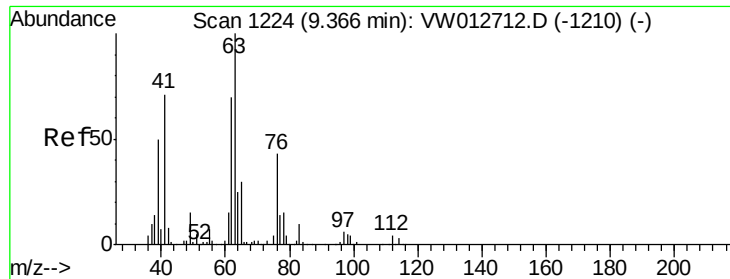
130 100

95 97.1 0.0 210.6



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 20.207 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW012916.D

Acq: 11 Sep 2019 14:43

Instrument :

MSVOA_W

ClientSampleId :

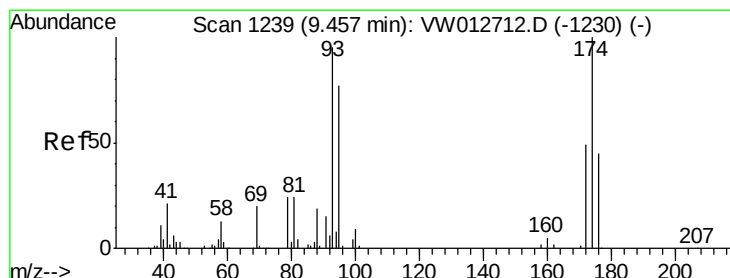
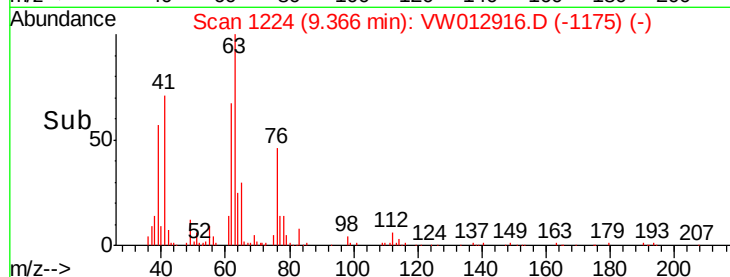
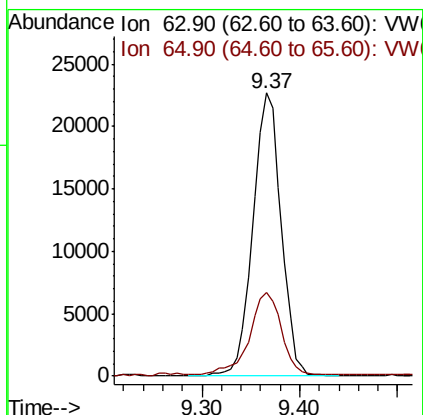
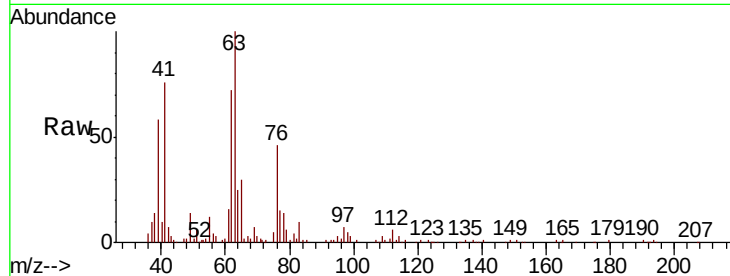
VW0911SBSD01

Tgt Ion: 63 Resp: 45474

Ion Ratio Lower Upper

63 100

65 29.1 23.8 35.8



#46

Dibromomethane

Concen: 18.758 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW012916.D

Acq: 11 Sep 2019 14:43

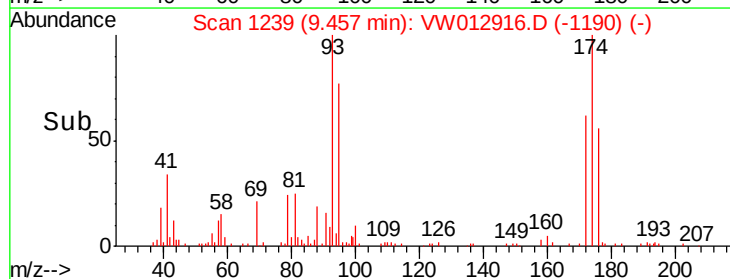
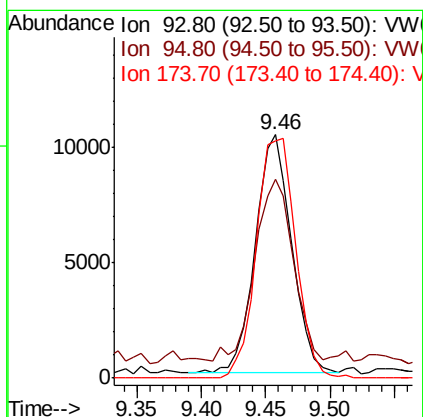
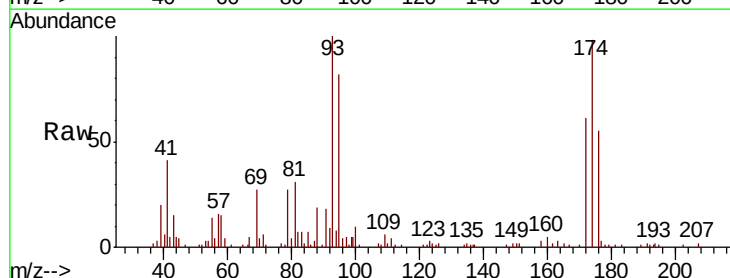
Tgt Ion: 93 Resp: 19990

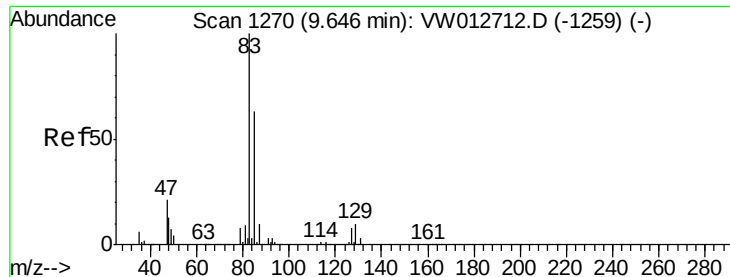
Ion Ratio Lower Upper

93 100

95 80.3 65.2 97.8

174 110.1 84.2 126.4





#47

Bromodichloromethane

Concen: 19.459 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW012916.D

Acq: 11 Sep 2019 14:43

Instrument :

MSVOA_W

ClientSampleId :

VW0911SBSD01

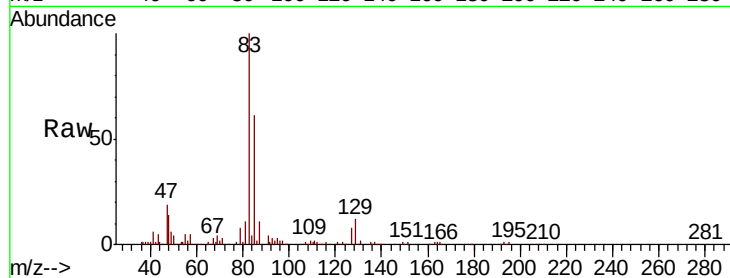
Tgt Ion: 83 Resp: 57052

Ion Ratio Lower Upper

83 100

85 60.9 50.2 75.2

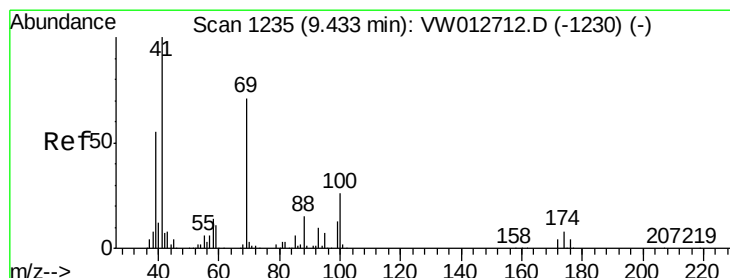
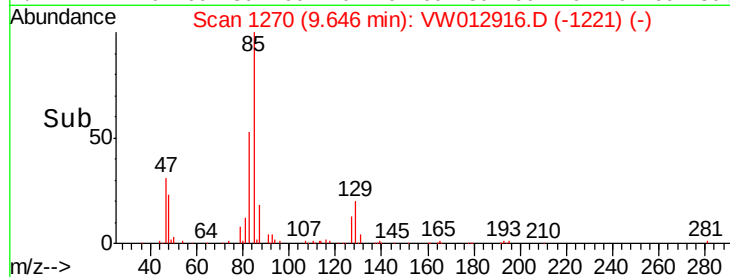
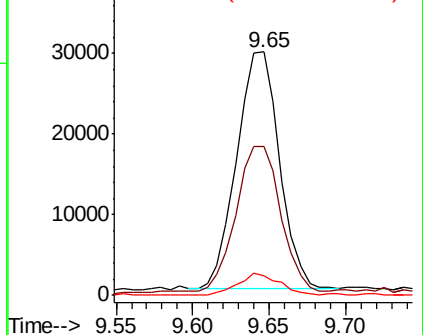
127 7.9 6.6 9.8



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: 16.295 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW012916.D

Acq: 11 Sep 2019 14:43

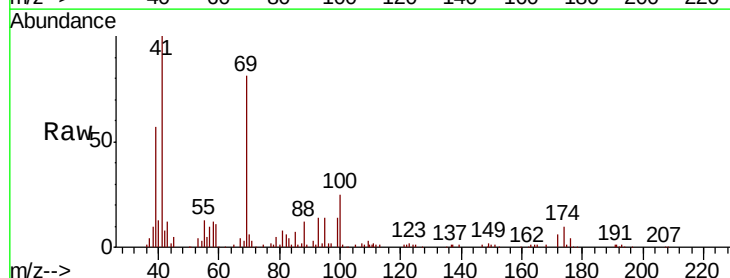
Tgt Ion: 41 Resp: 27505

Ion Ratio Lower Upper

41 100

69 76.1 59.8 89.8

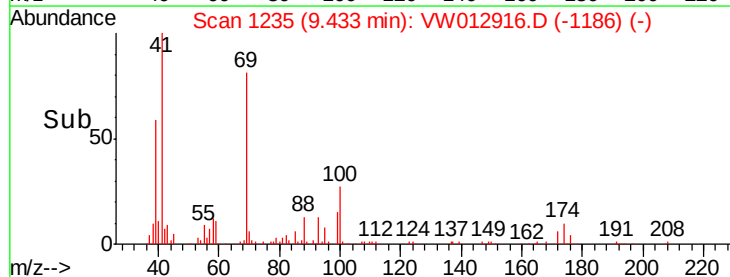
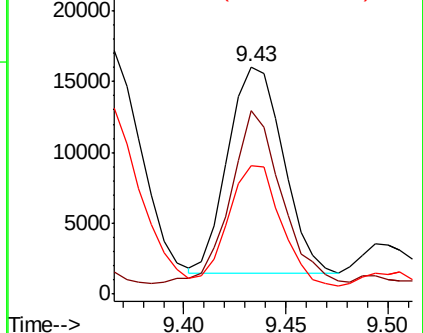
39 55.7 47.0 70.6

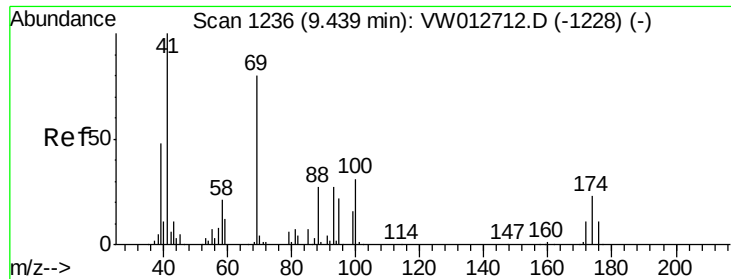


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

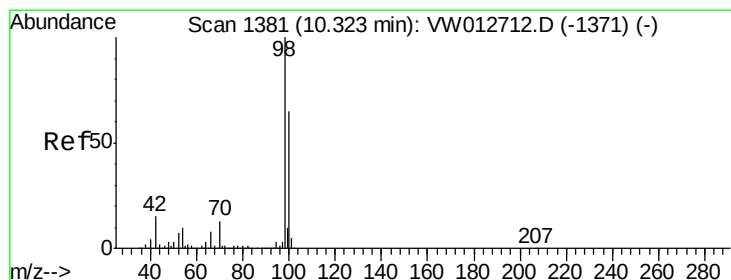
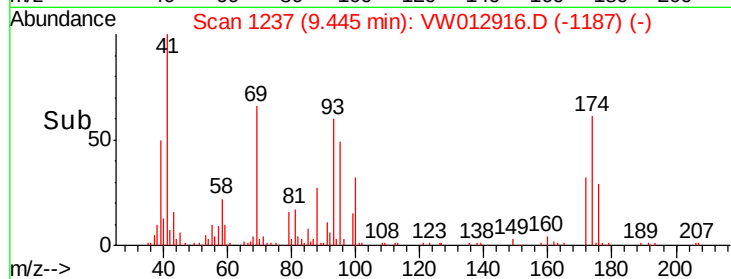
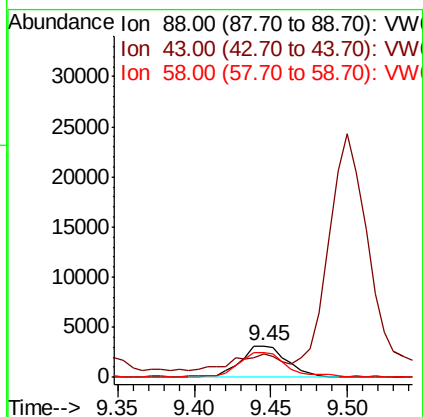
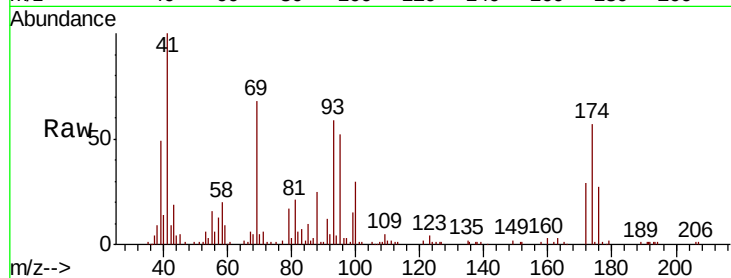




#49
1,4-Dioxane
Concen: 314.300 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.01 min
Lab File: VW012916.D
Acq: 11 Sep 2019 14:43

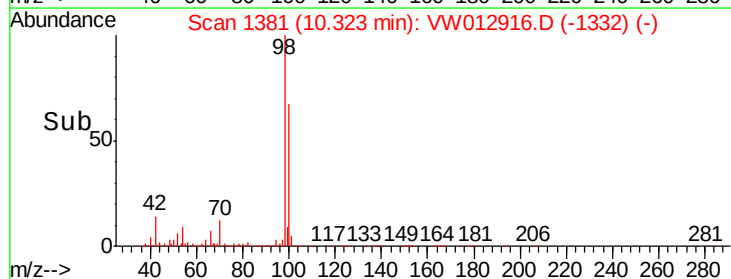
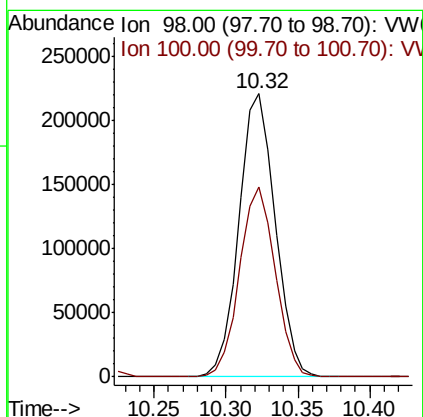
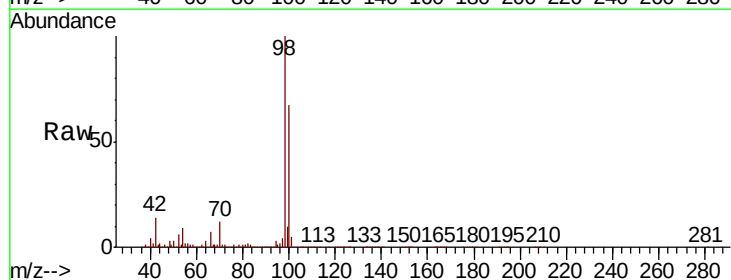
Instrument :
MSVOA_W
ClientSampleId :
VW0911SBSD01

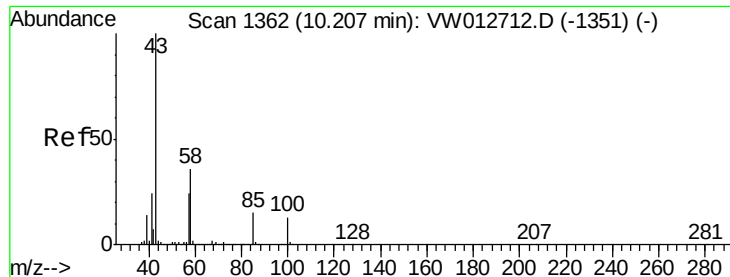
Tgt Ion: 88 Resp: 6616
Ion Ratio Lower Upper
88 100
43 59.4 34.8 52.2#
58 87.3 64.1 96.1



#50
Toluene-d8
Concen: 49.988 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012916.D
Acq: 11 Sep 2019 14:43

Tgt Ion: 98 Resp: 383223
Ion Ratio Lower Upper
98 100
100 66.4 52.2 78.4

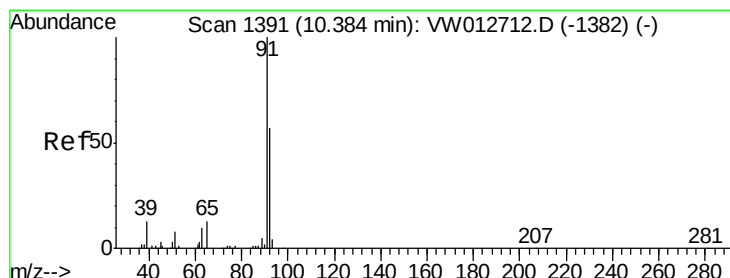
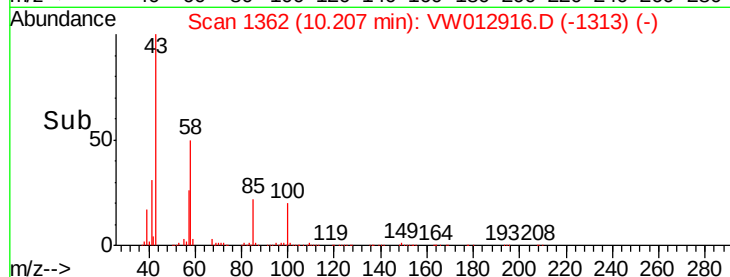
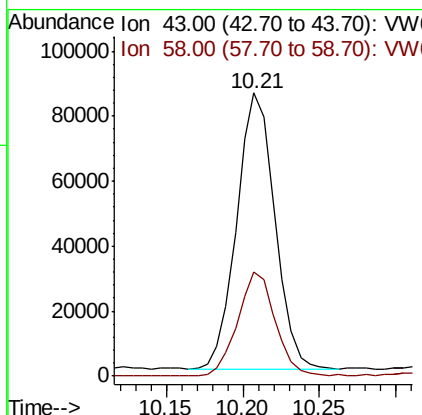
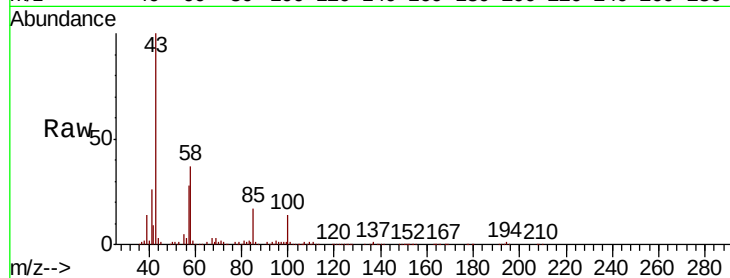




#51
 4-Methyl-2-Pentanone
 Concen: 79.891 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW012916.D
 Acq: 11 Sep 2019 14:43

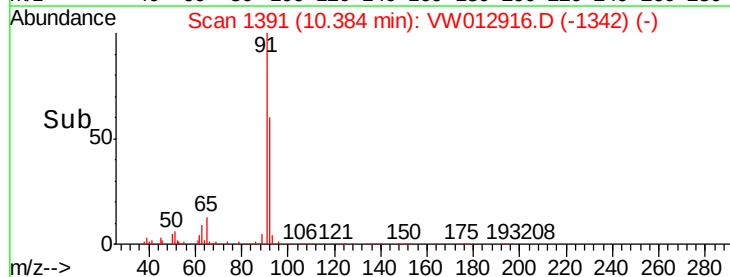
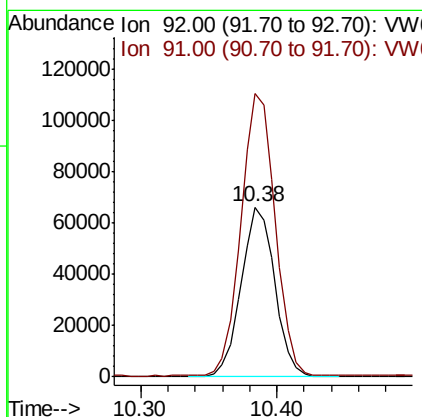
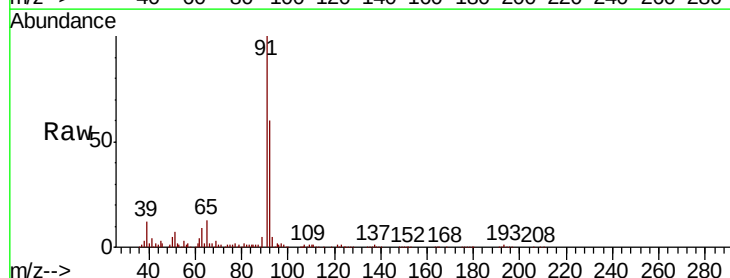
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0911SBSD01

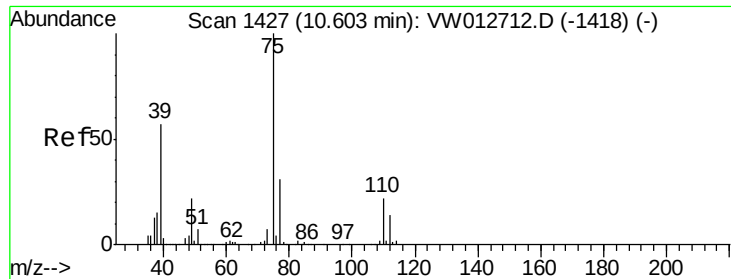
Tgt Ion: 43 Resp: 148064
 Ion Ratio Lower Upper
 43 100
 58 36.6 28.4 42.6



#52
 Toluene
 Concen: 22.514 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VW012916.D
 Acq: 11 Sep 2019 14:43

Tgt Ion: 92 Resp: 114015
 Ion Ratio Lower Upper
 92 100
 91 170.6 137.0 205.4





#53

t-1,3-Dichloropropene

Concen: 18.811 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW012916.D

Acq: 11 Sep 2019 14:43

Instrument :

MSVOA_W

ClientSampleId :

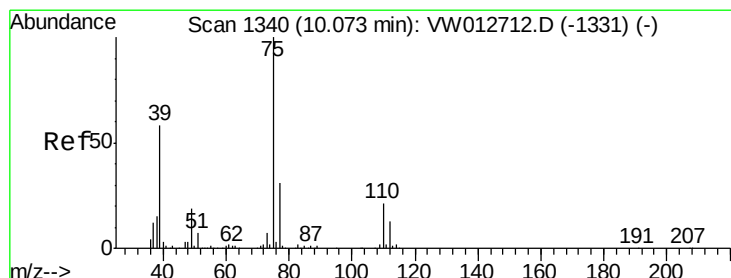
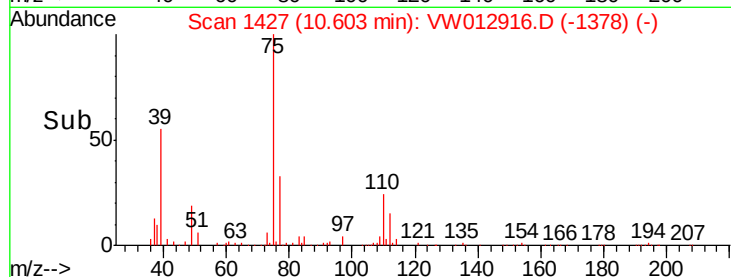
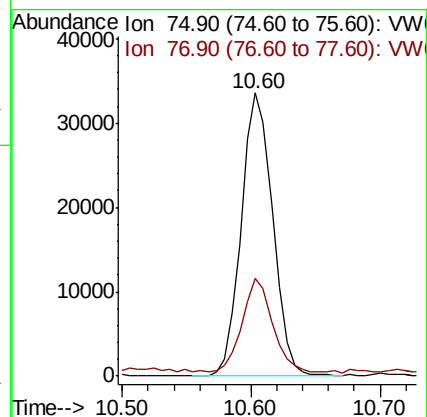
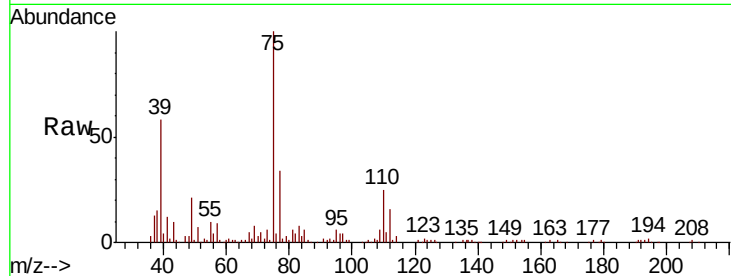
VW0911SBSD01

Tgt Ion: 75 Resp: 56711

Ion Ratio Lower Upper

75 100

77 33.2 24.7 37.1



#54

cis-1,3-Dichloropropene

Concen: 19.732 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW012916.D

Acq: 11 Sep 2019 14:43

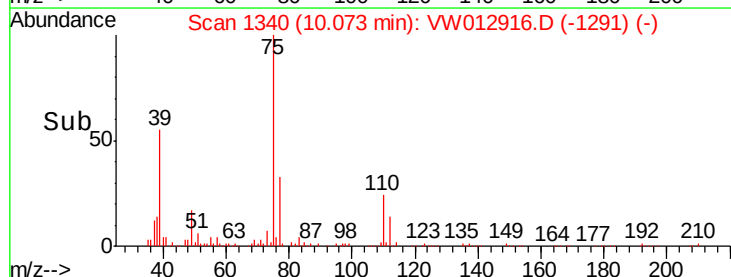
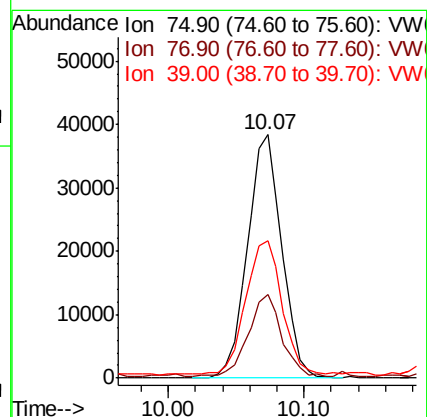
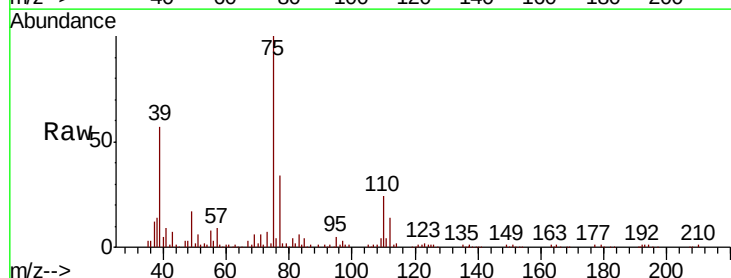
Tgt Ion: 75 Resp: 67484

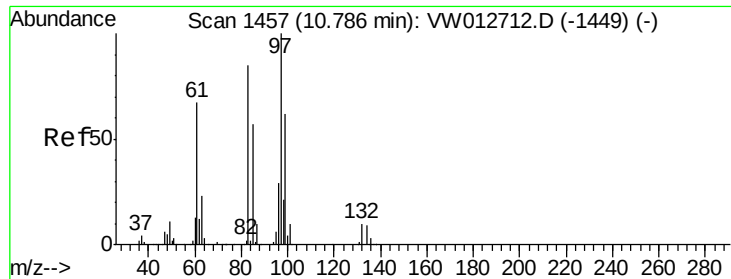
Ion Ratio Lower Upper

75 100

77 33.2 24.6 36.8

39 55.0 46.3 69.5

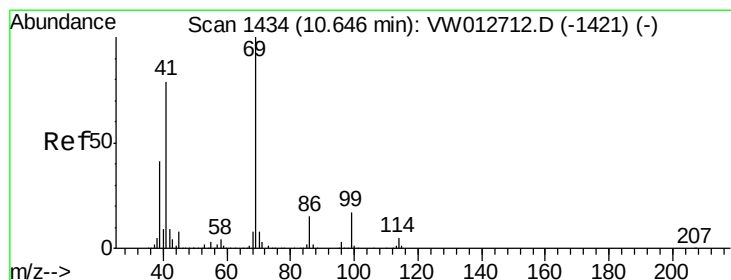
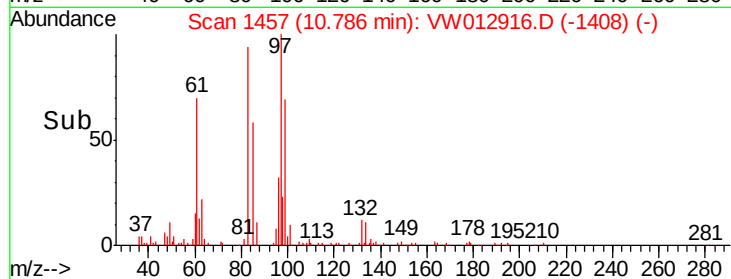
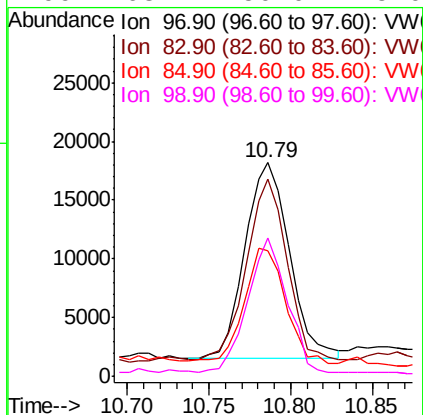
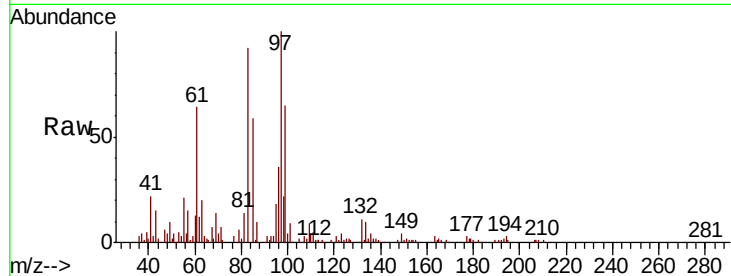




#55
 1,1,2-Trichloroethane
 Concen: 19.669 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012916.D
 Acq: 11 Sep 2019 14:43

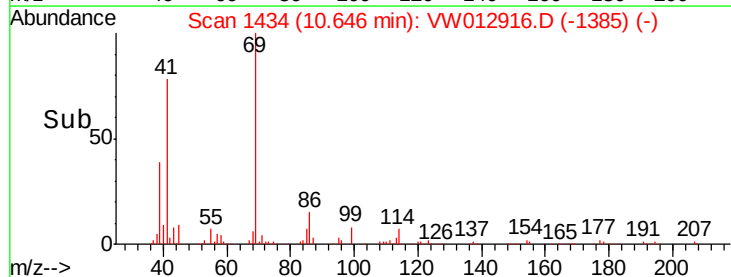
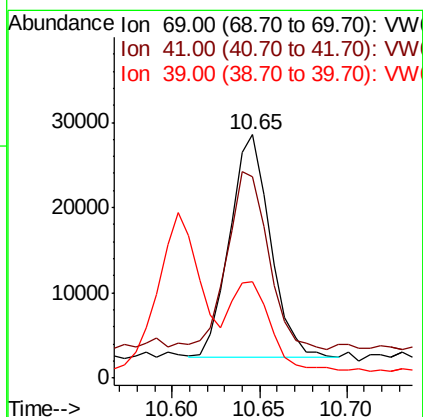
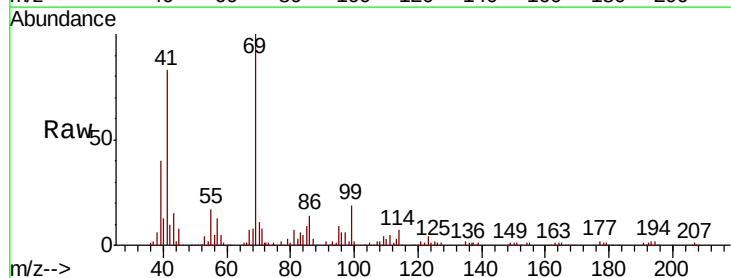
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0911SBSD01

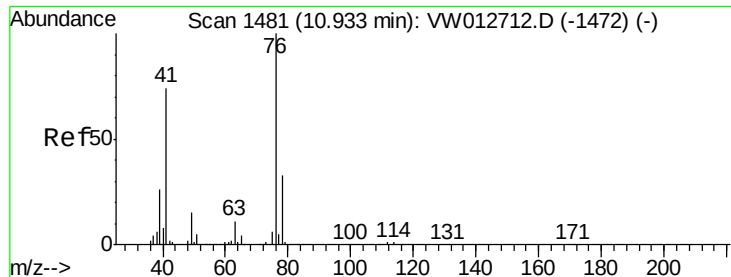
Tgt Ion:	97	Resp:	31380
Ion	Ratio	Lower	Upper
97	100		
83	92.6	68.1	102.1
85	57.9	45.3	67.9
99	68.7	50.0	75.0



#56
 Ethyl methacrylate
 Concen: 17.916 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012916.D
 Acq: 11 Sep 2019 14:43

Tgt Ion:	69	Resp:	41840
Ion	Ratio	Lower	Upper
69	100		
41	82.0	64.4	96.6
39	39.7	31.1	46.7

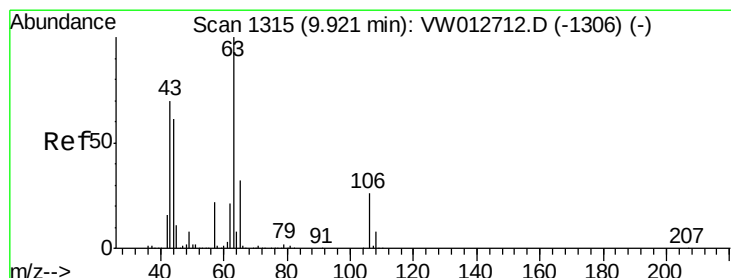
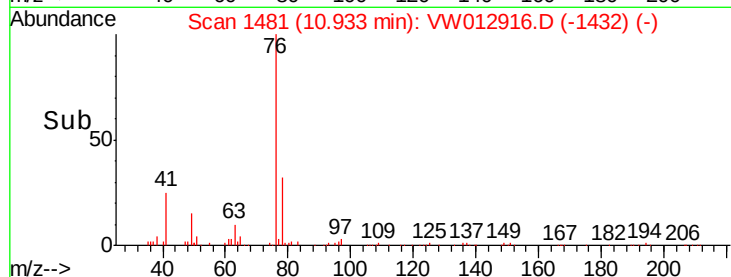
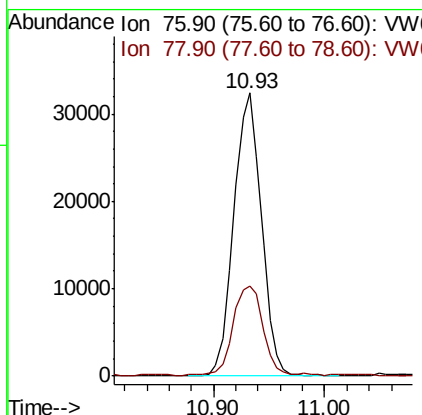
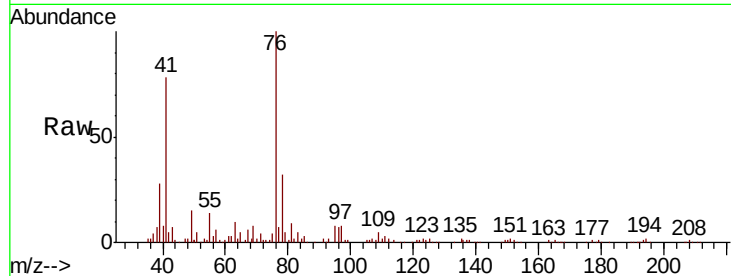




#57
 1,3-Dichloropropane
 Concen: 18.880 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012916.D
 Acq: 11 Sep 2019 14:43

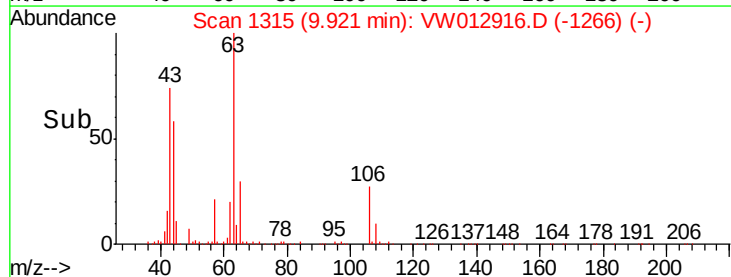
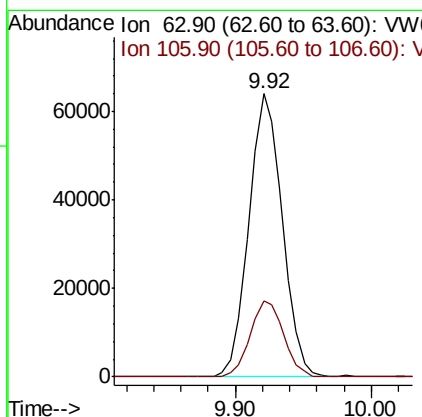
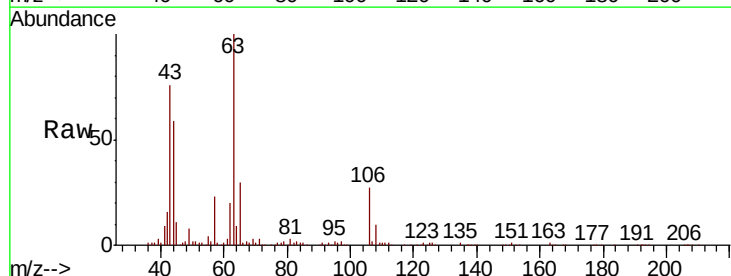
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0911SBSD01

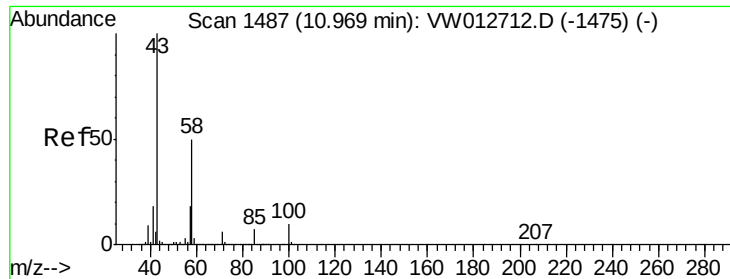
Tgt Ion: 76 Resp: 55724
 Ion Ratio Lower Upper
 76 100
 78 33.9 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 89.039 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012916.D
 Acq: 11 Sep 2019 14:43

Tgt Ion: 63 Resp: 110392
 Ion Ratio Lower Upper
 63 100
 106 27.1 20.5 30.7

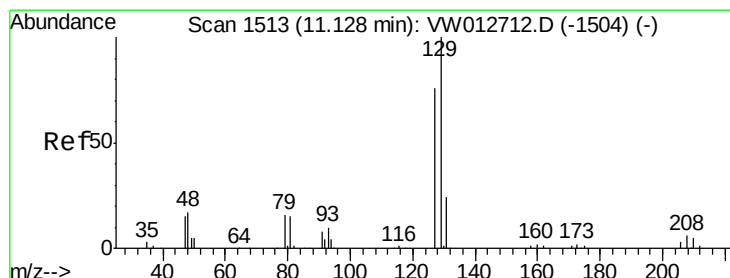
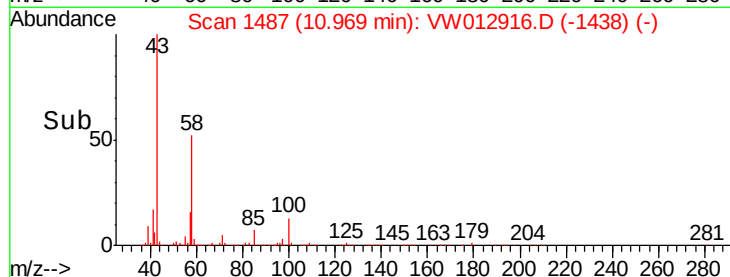
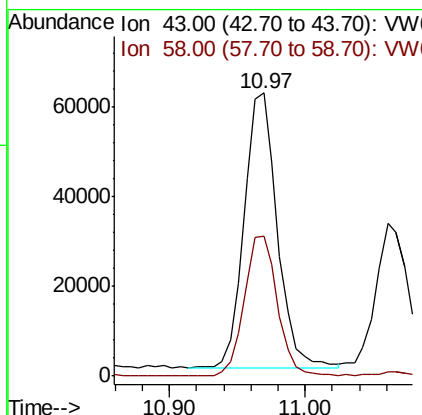
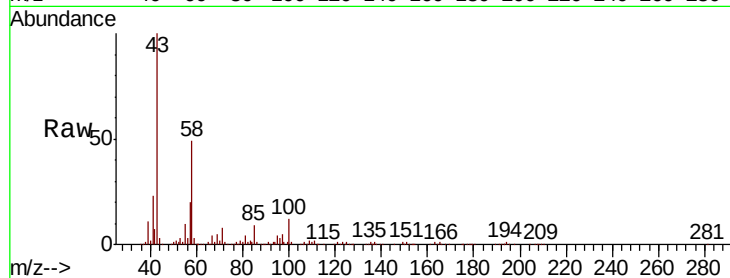




#59
2-Hexanone
Concen: 76.508 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012916.D
Acq: 11 Sep 2019 14:43

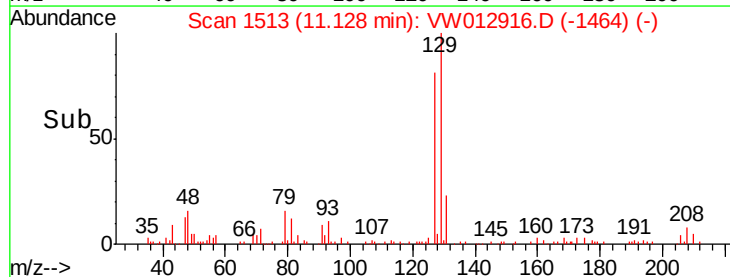
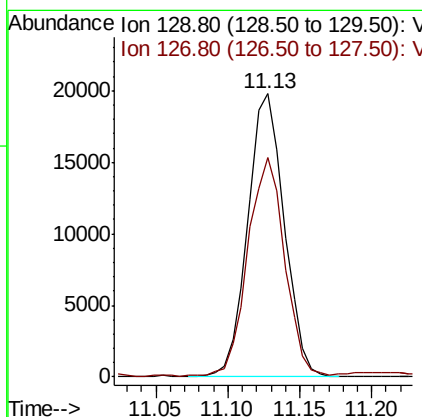
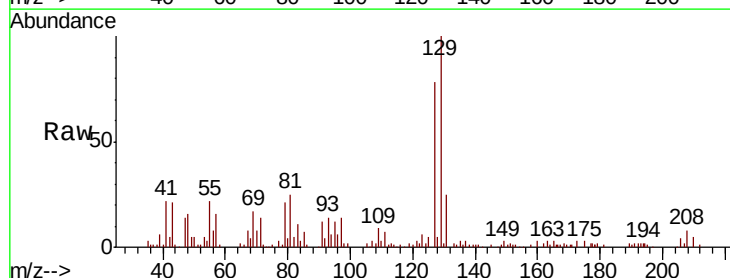
Instrument :
MSVOA_W
ClientSampleId :
VW0911SBSD01

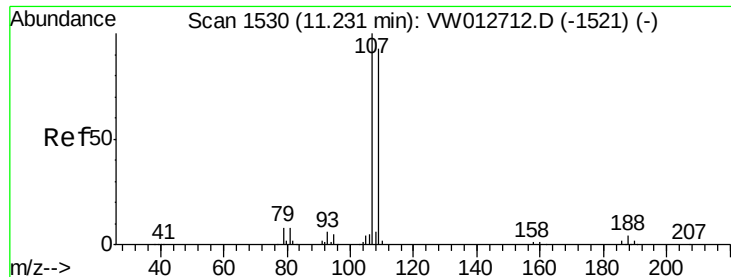
Tgt Ion: 43 Resp: 103593
Ion Ratio Lower Upper
43 100
58 51.5 24.7 74.1



#60
Dibromochloromethane
Concen: 18.421 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012916.D
Acq: 11 Sep 2019 14:43

Tgt Ion: 129 Resp: 34565
Ion Ratio Lower Upper
129 100
127 77.1 38.6 115.8





#61

1,2-Dibromoethane

Concen: 19.690 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW012916.D

Acq: 11 Sep 2019 14:43

Instrument :

MSVOA_W

ClientSampleId :

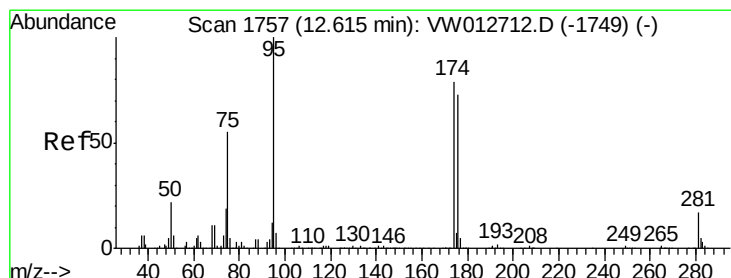
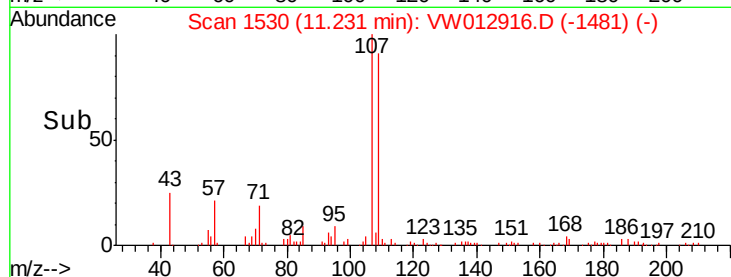
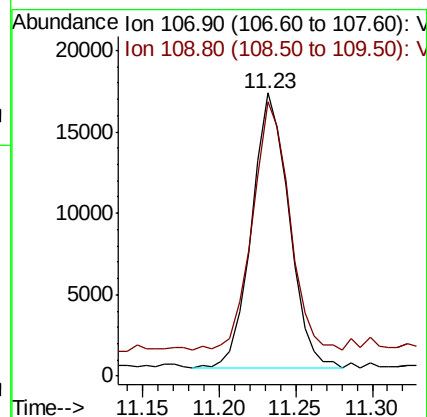
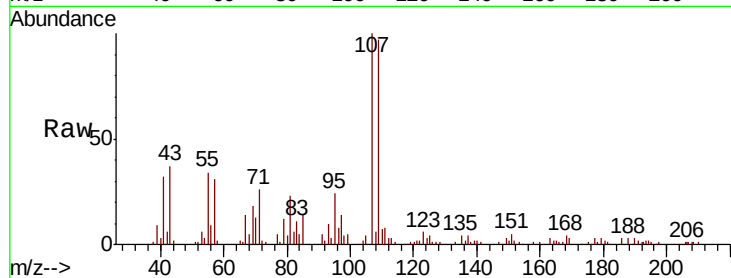
VW0911SBSD01

Tgt Ion: 107 Resp: 28800

Ion Ratio Lower Upper

107 100

109 88.6 75.0 112.6



#62

4-Bromofluorobenzene

Concen: 51.819 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012916.D

Acq: 11 Sep 2019 14:43

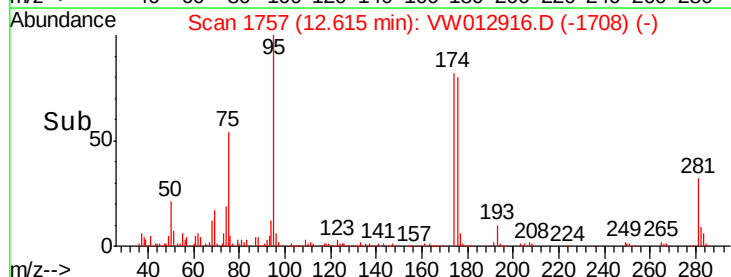
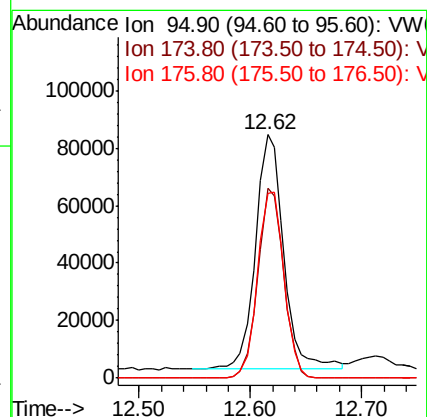
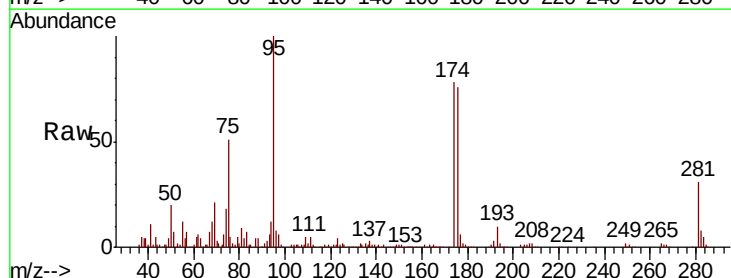
Tgt Ion: 95 Resp: 144219

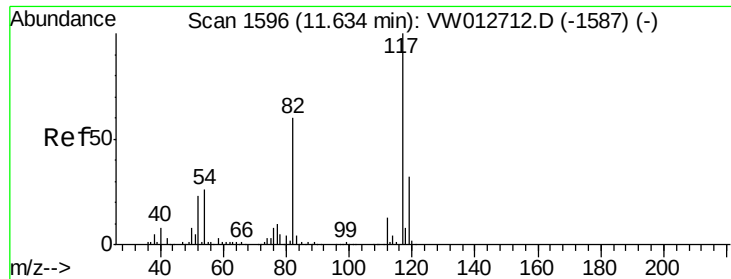
Ion Ratio Lower Upper

95 100

174 74.0 0.0 161.0

176 74.6 0.0 156.4

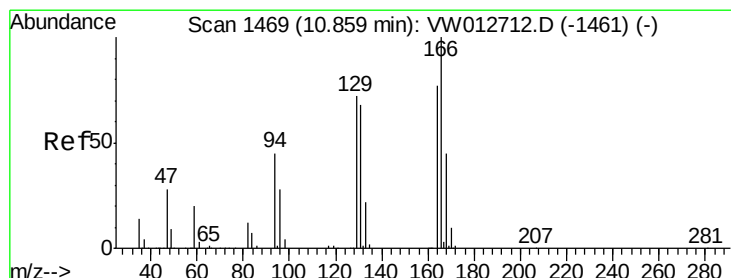
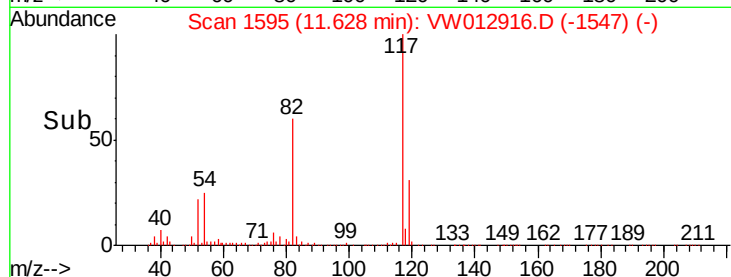
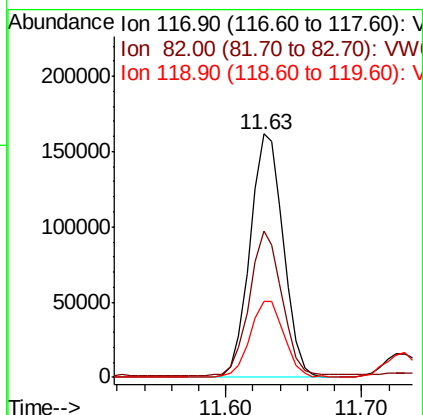
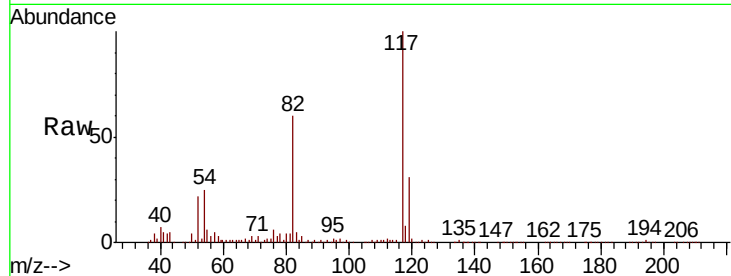




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012916.D
Acq: 11 Sep 2019 14:43

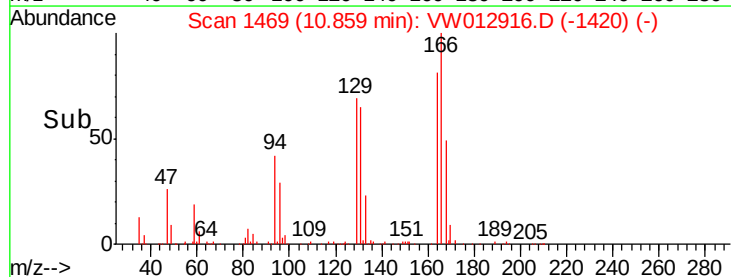
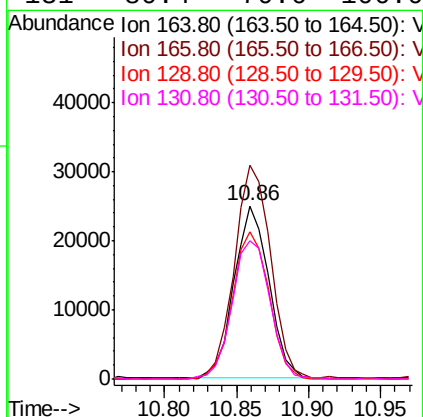
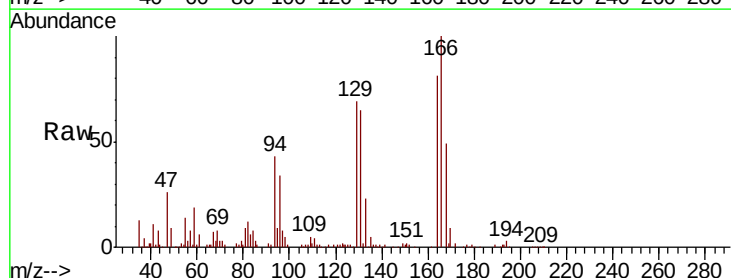
Instrument :
MSVOA_W
ClientSampleId :
VW0911SBSD01

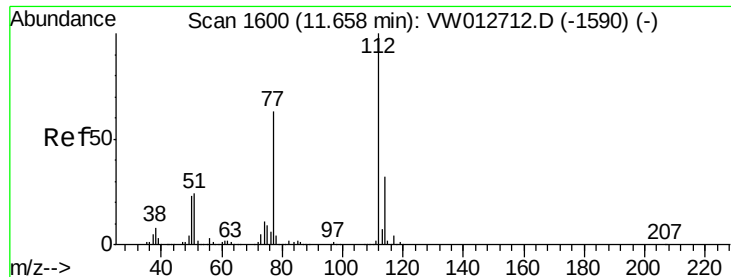
Tgt Ion:117 Resp: 277268
Ion Ratio Lower Upper
117 100
82 59.4 48.2 72.4
119 30.8 25.8 38.6



#64
Tetrachloroethene
Concen: 25.007 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012916.D
Acq: 11 Sep 2019 14:43

Tgt Ion:164 Resp: 42071
Ion Ratio Lower Upper
164 100
166 123.1 103.6 155.4
129 85.5 74.6 112.0
131 80.4 70.6 106.0

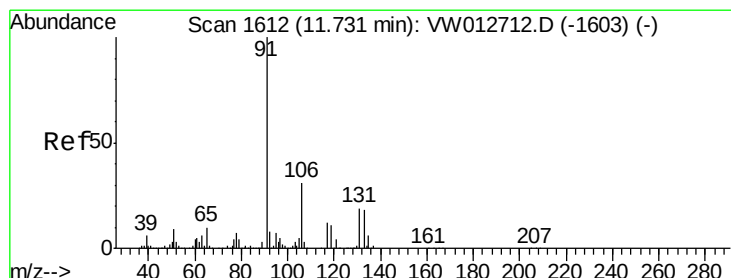
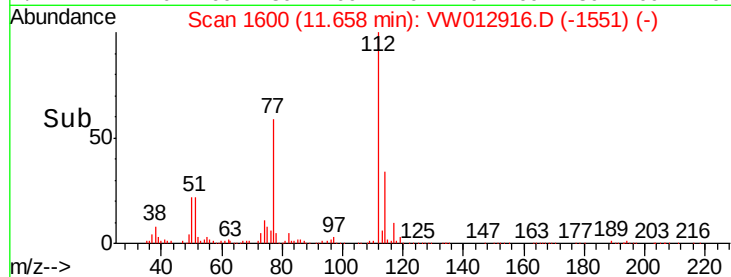
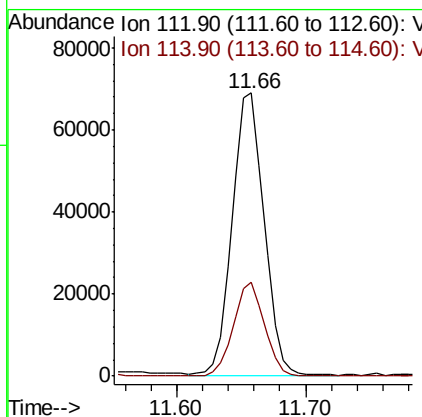
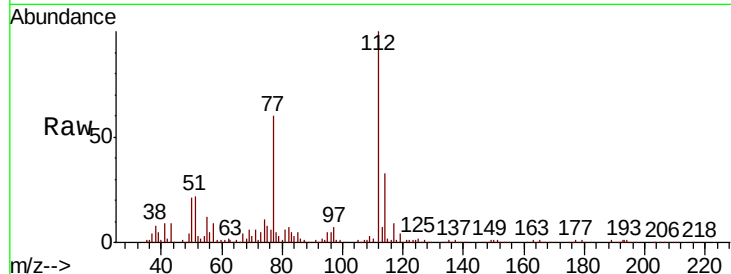




#65
Chlorobenzene
Concen: 22.897 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012916.D
Acq: 11 Sep 2019 14:43

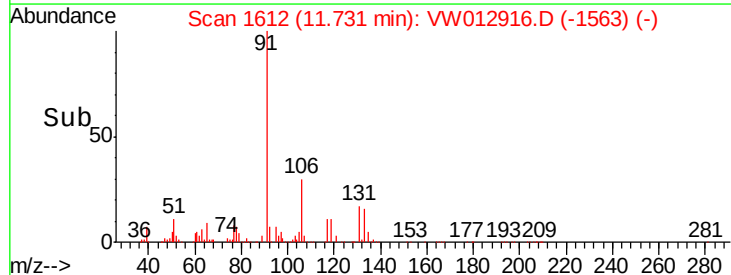
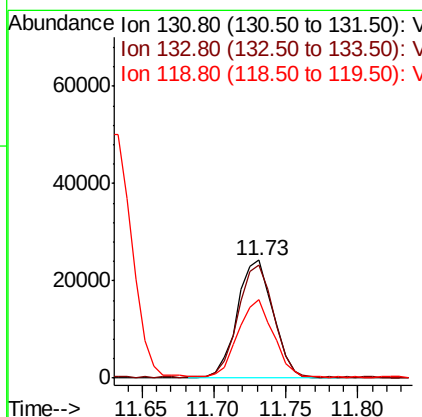
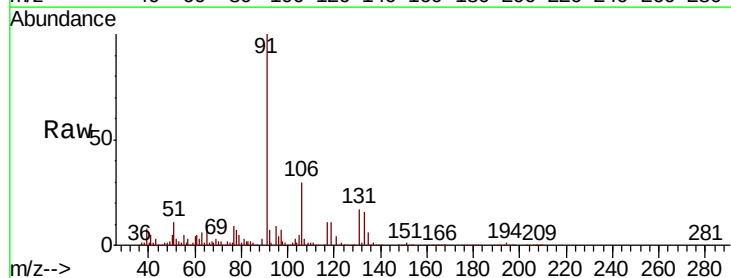
Instrument :
MSVOA_W
ClientSampleId :
VW0911SBSD01

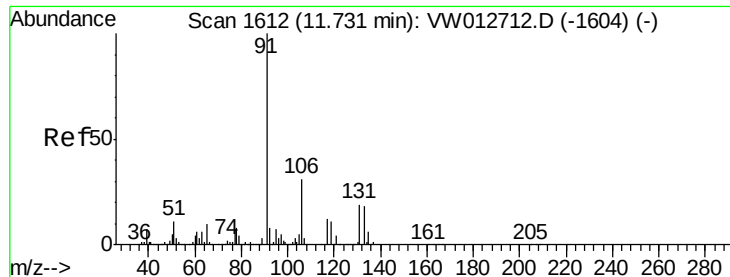
Tgt Ion:112 Resp: 119992
Ion Ratio Lower Upper
112 100
114 33.4 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 21.561 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012916.D
Acq: 11 Sep 2019 14:43

Tgt Ion:131 Resp: 42078
Ion Ratio Lower Upper
131 100
133 94.2 47.6 142.8
119 65.1 30.6 92.0

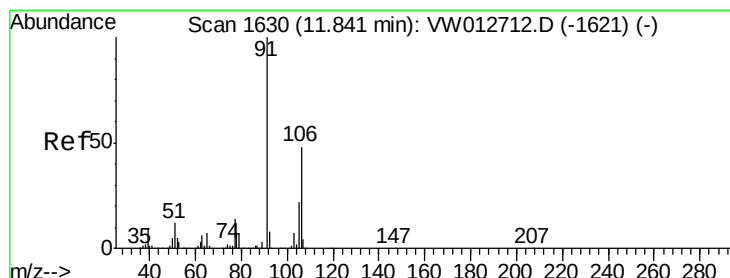
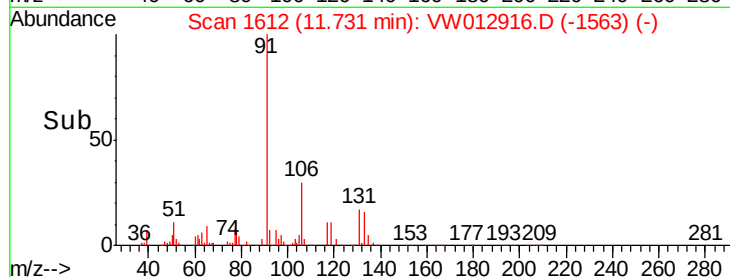
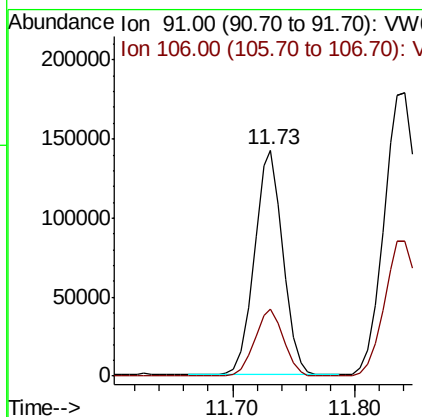
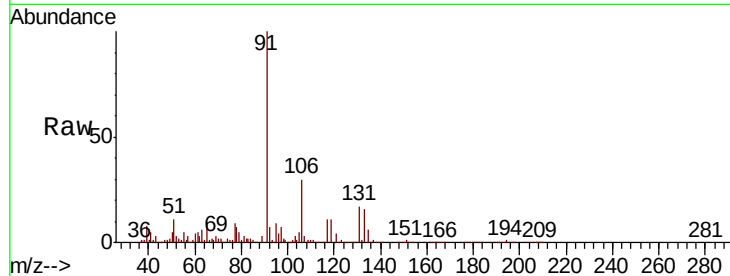




#67
Ethyl Benzene
Concen: 23.341 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012916.D
Acq: 11 Sep 2019 14:43

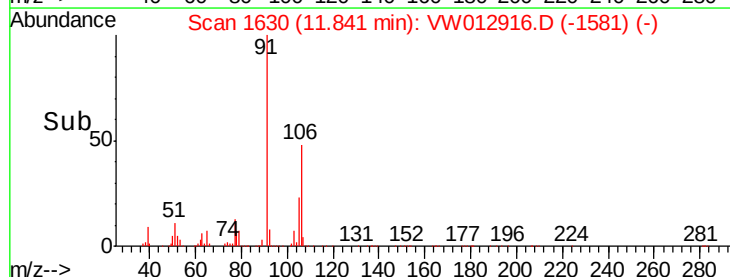
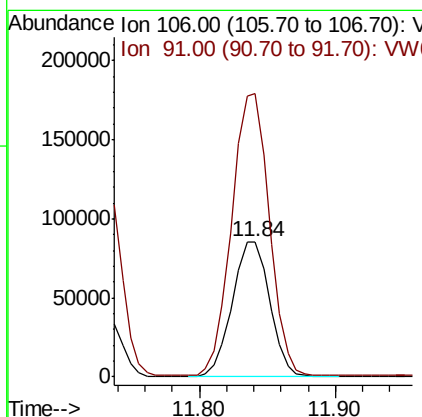
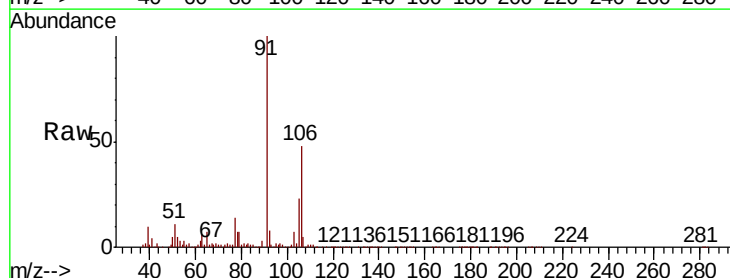
Instrument :
MSVOA_W
ClientSampleId :
VW0911SBSD01

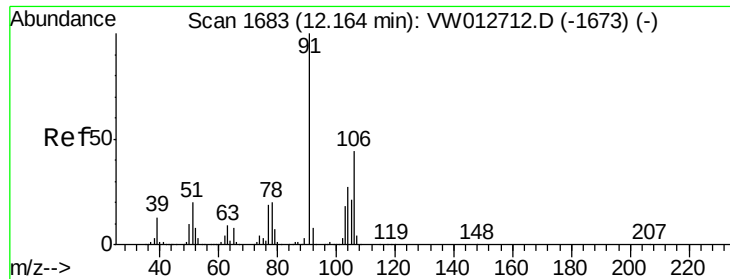
Tgt Ion: 91 Resp: 229496
Ion Ratio Lower Upper
91 100
106 29.8 24.4 36.6



#68
m/p-Xylenes
Concen: 46.448 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW012916.D
Acq: 11 Sep 2019 14:43

Tgt Ion: 106 Resp: 164847
Ion Ratio Lower Upper
106 100
91 208.2 168.2 252.4

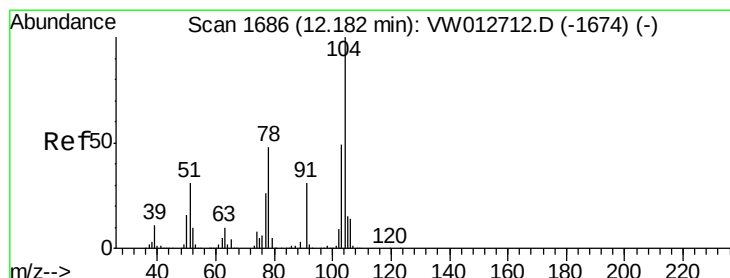
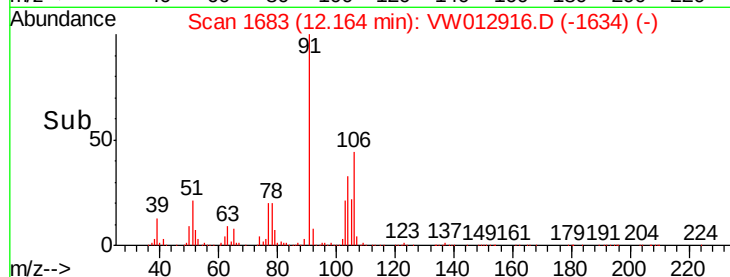
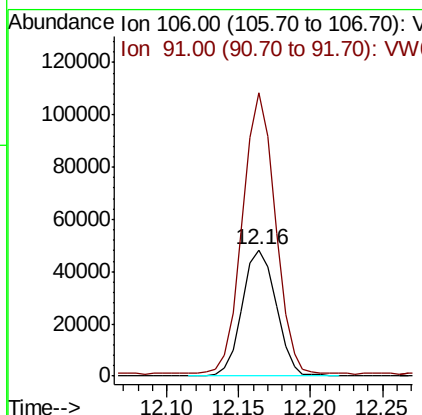
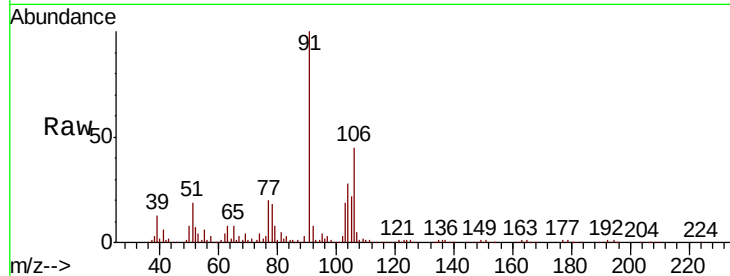




#69
o-Xylene
Concen: 23.377 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012916.D
Acq: 11 Sep 2019 14:43

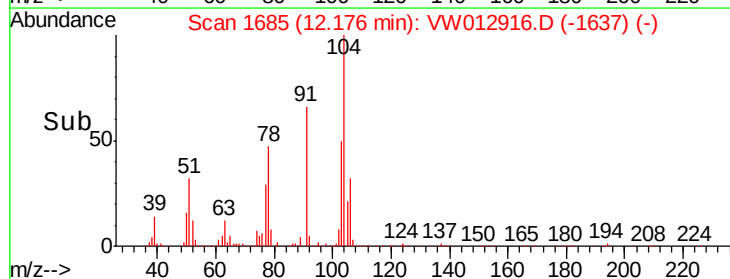
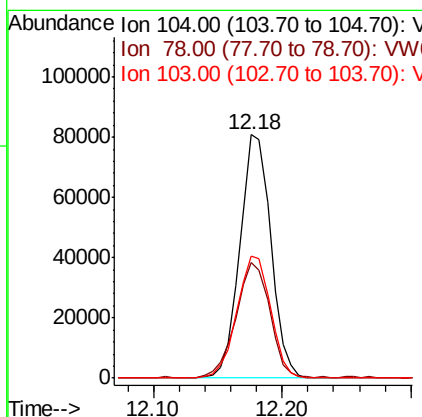
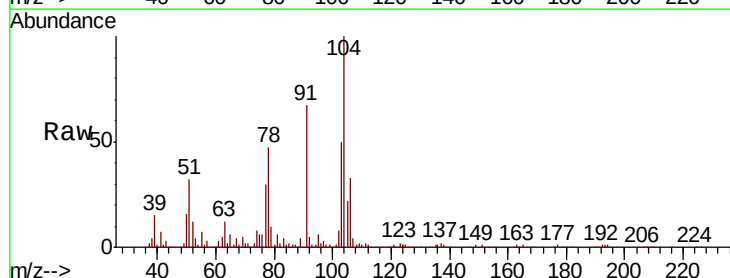
Instrument :
MSVOA_W
ClientSampleId :
VW0911SBSD01

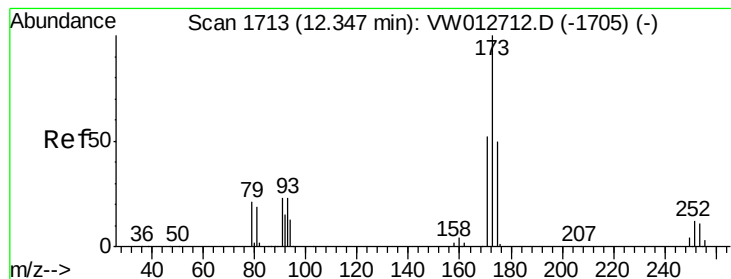
Tgt Ion:106 Resp: 78271
Ion Ratio Lower Upper
106 100
91 216.3 112.3 336.8



#70
Styrene
Concen: 22.720 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW012916.D
Acq: 11 Sep 2019 14:43

Tgt Ion:104 Resp: 134422
Ion Ratio Lower Upper
104 100
78 52.4 43.3 64.9
103 54.6 44.0 66.0





#71

Bromoform

Concen: 17.400 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012916.D

Acq: 11 Sep 2019 14:43

Instrument :

MSVOA_W

ClientSampleId :

VW0911SBSD01

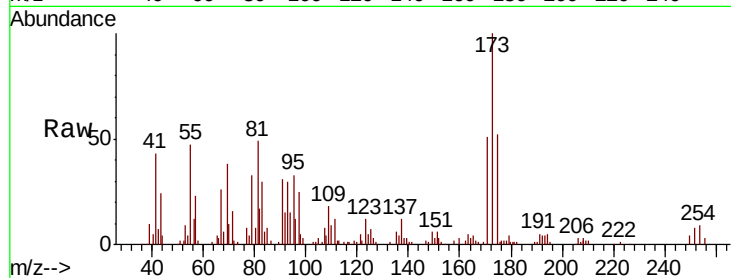
Tgt Ion:173 Resp: 18866

Ion Ratio Lower Upper

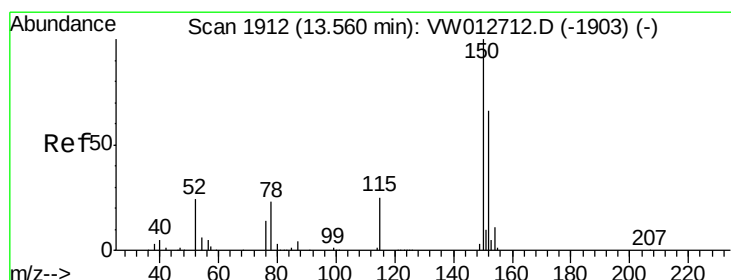
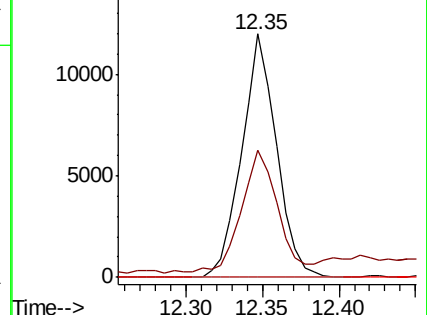
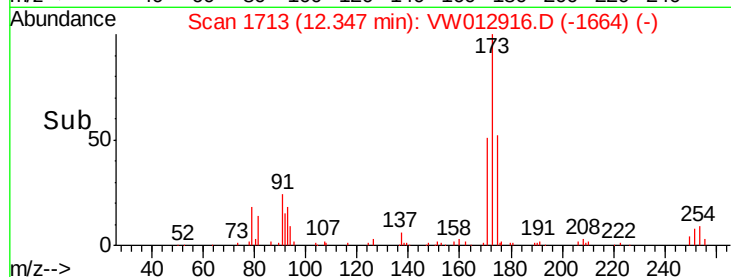
173 100

175 51.3 24.8 74.3

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012916.D

Acq: 11 Sep 2019 14:43

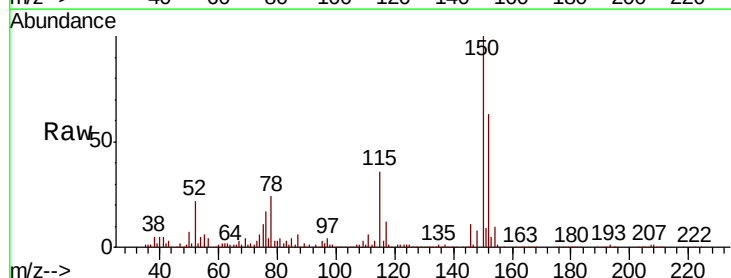
Tgt Ion:152 Resp: 137969

Ion Ratio Lower Upper

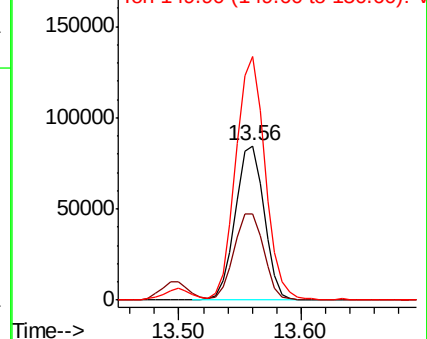
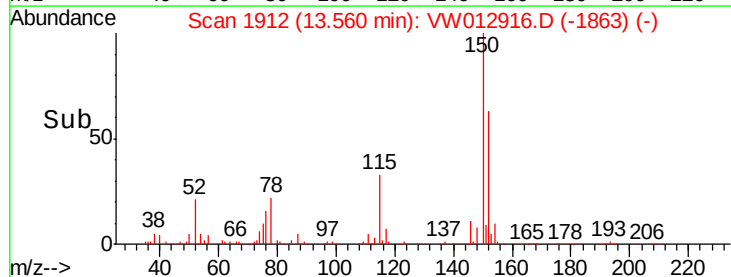
152 100

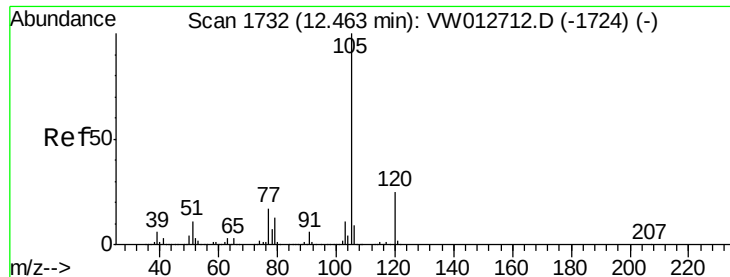
115 57.2 30.0 90.1

150 158.7 0.0 349.0



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





#73

Isopropylbenzene

Concen: 23.050 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012916.D

Acq: 11 Sep 2019 14:43

Instrument :

MSVOA_W

ClientSampleId :

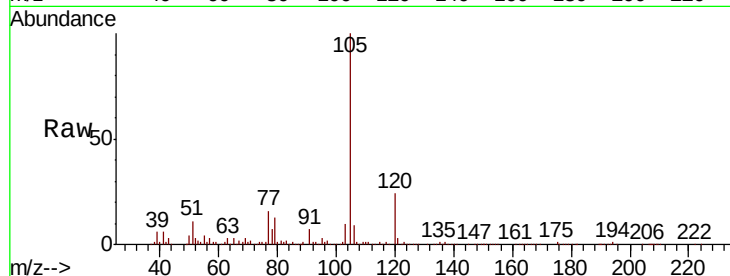
VW0911SBSD01

Tgt Ion:105 Resp: 228092

Ion Ratio Lower Upper

105 100

120 25.7 13.0 38.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

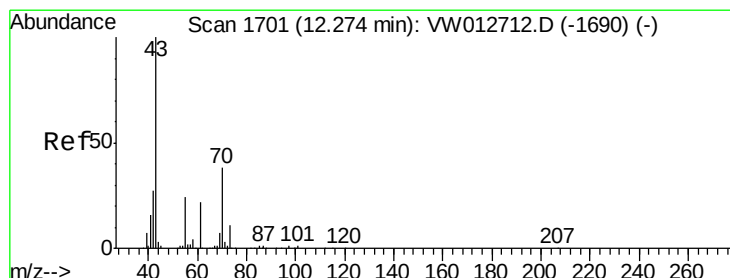
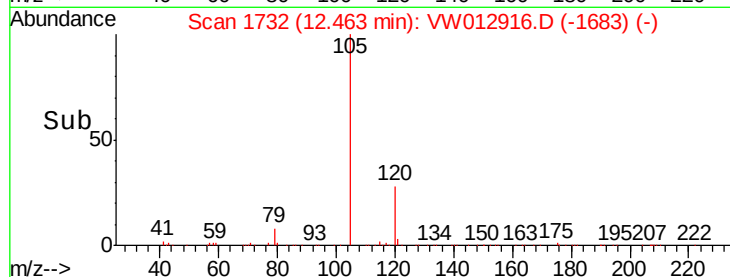
150000

100000

50000

0

Time-->



#74

N-amyl acetate

Concen: 19.564 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW012916.D

Acq: 11 Sep 2019 14:43

Tgt Ion: 43 Resp: 61451

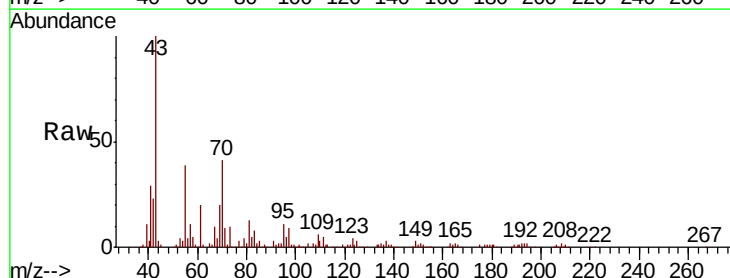
Ion Ratio Lower Upper

43 100

70 36.4 29.4 44.0

55 31.6 18.6 27.8#

61 19.3 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

12.27

50000

40000

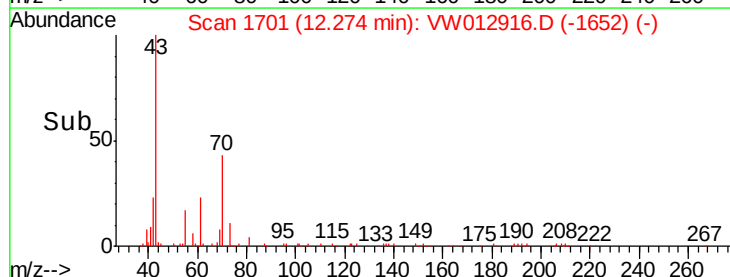
30000

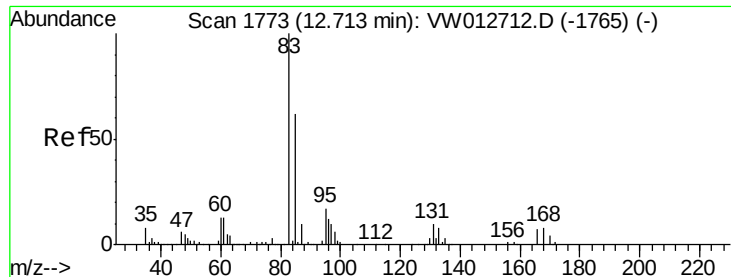
20000

10000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 17.831 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012916.D

Acq: 11 Sep 2019 14:43

Instrument :

MSVOA_W

ClientSampleId :

VW0911SBSD01

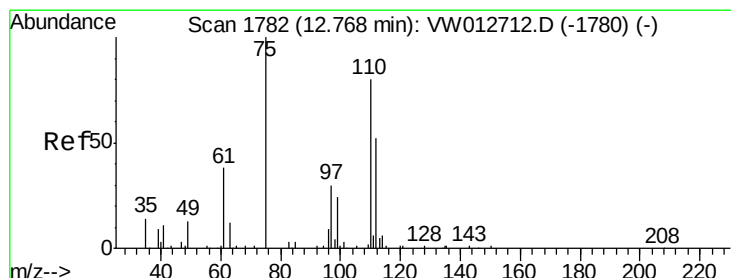
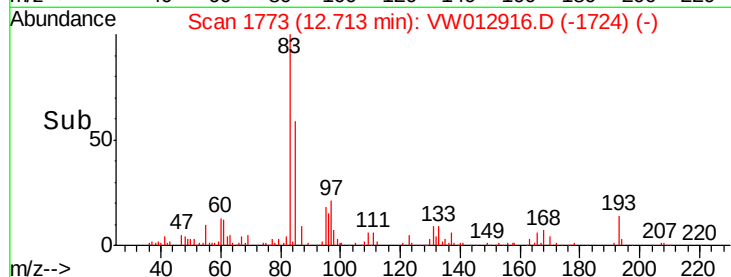
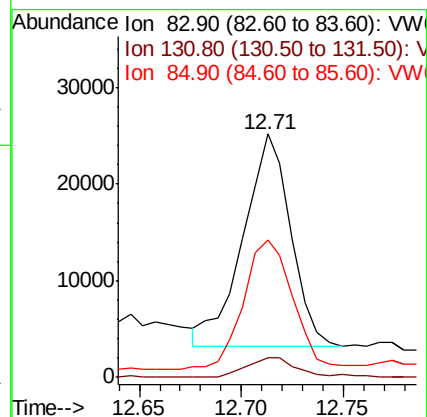
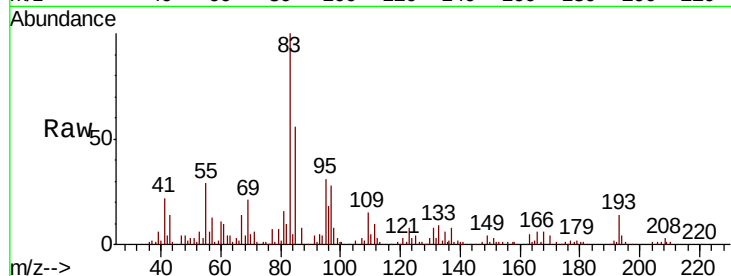
Tgt Ion: 83 Resp: 35435

Ion Ratio Lower Upper

83 100

131 10.8 5.1 15.4

85 63.8 31.4 94.2



#76

1,2,3-Trichloropropane

Concen: 32.024 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW012916.D

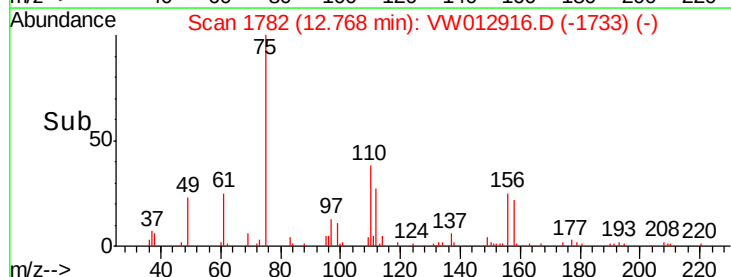
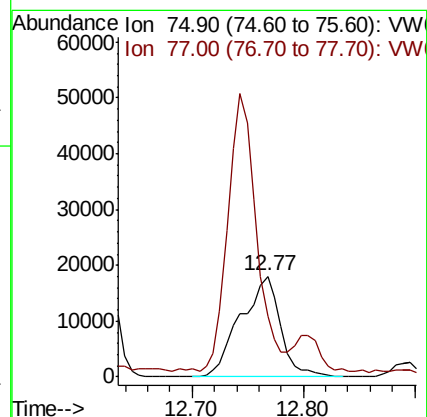
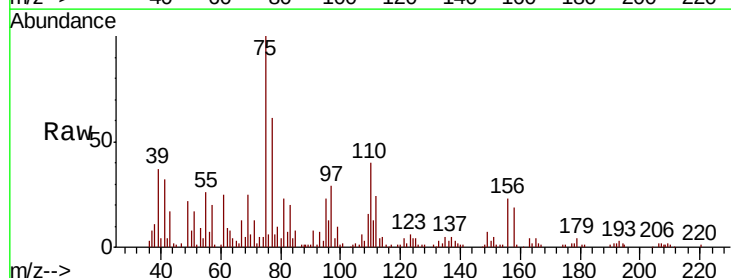
Acq: 11 Sep 2019 14:43

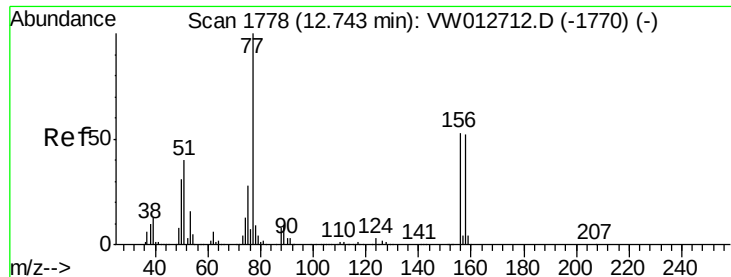
Tgt Ion: 75 Resp: 45179

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 21.945 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW012916.D

Acq: 11 Sep 2019 14:43

Instrument :

MSVOA_W

ClientSampleId :

VW0911SBSD01

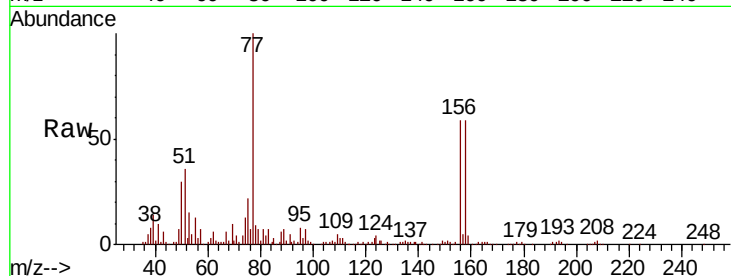
Tgt Ion:156 Resp: 49200

Ion Ratio Lower Upper

156 100

77 181.4 102.3 306.9

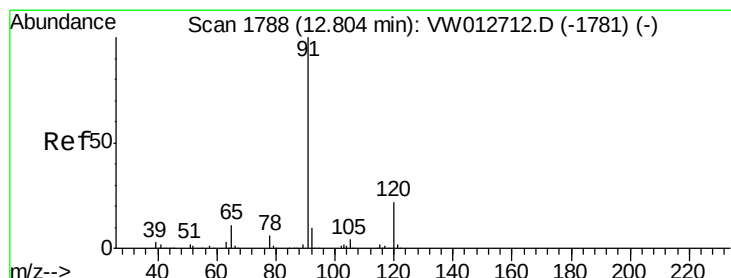
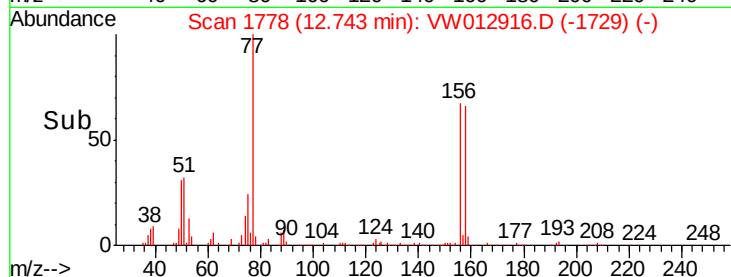
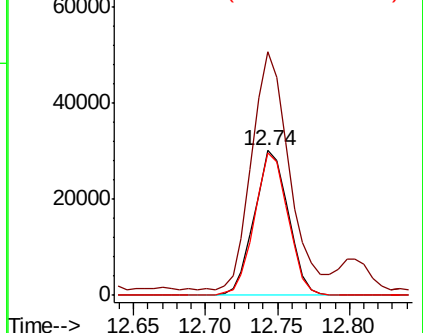
158 97.1 48.9 146.8



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: 22.390 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012916.D

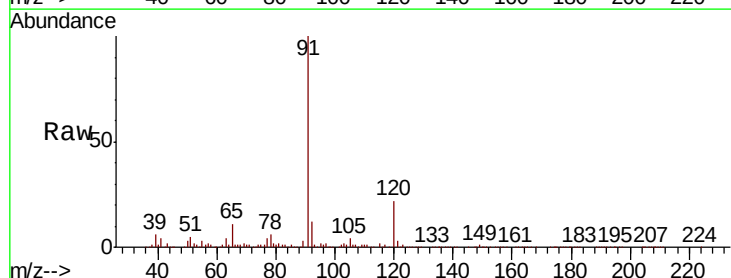
Acq: 11 Sep 2019 14:43

Tgt Ion: 91 Resp: 264983

Ion Ratio Lower Upper

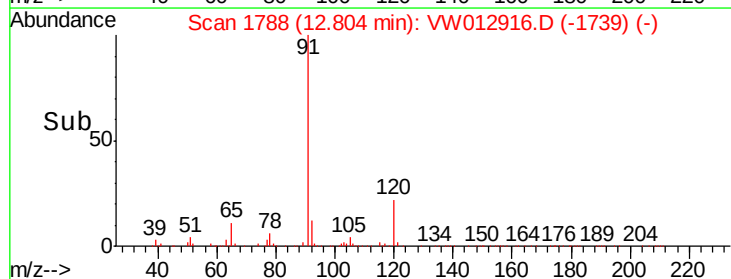
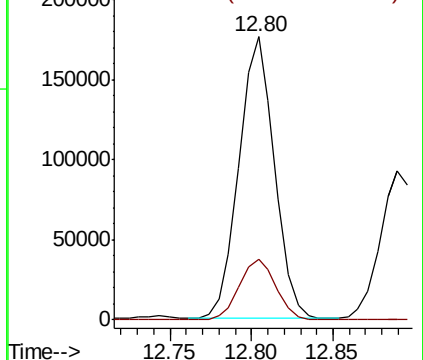
91 100

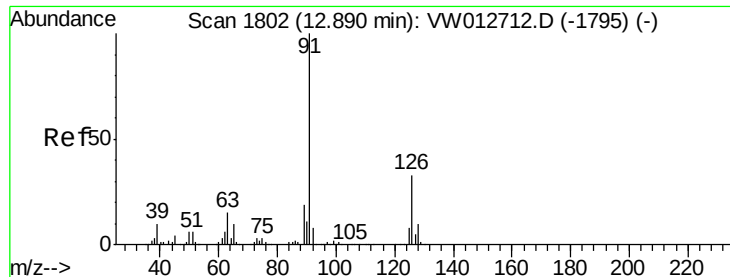
120 22.5 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.975 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012916.D

Acq: 11 Sep 2019 14:43

Instrument :

MSVOA_W

ClientSampleId :

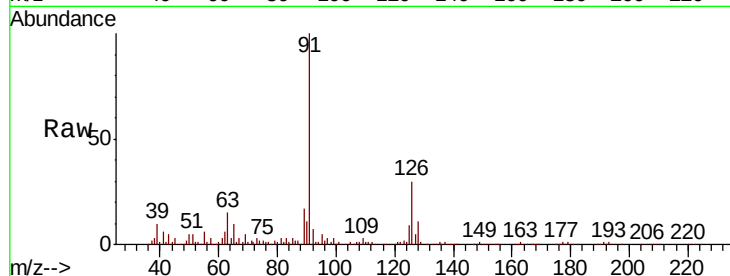
VW0911SBSD01

Tgt Ion: 91 Resp: 149301

Ion Ratio Lower Upper

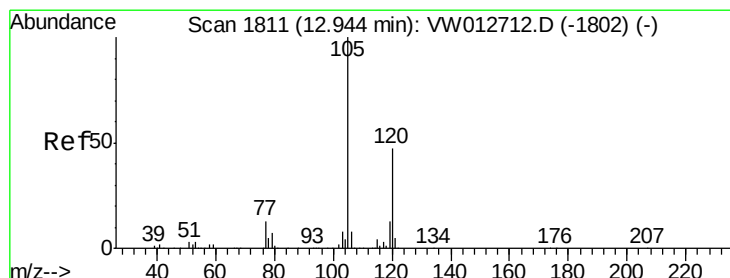
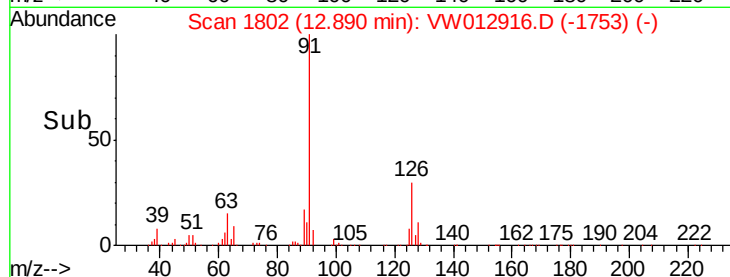
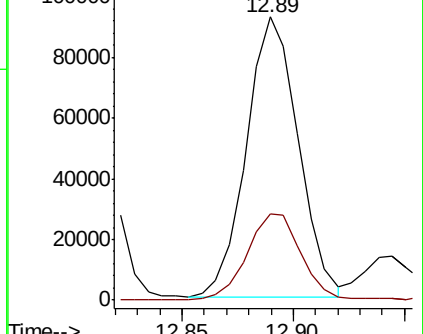
91 100

126 31.6 16.1 48.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 22.867 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012916.D

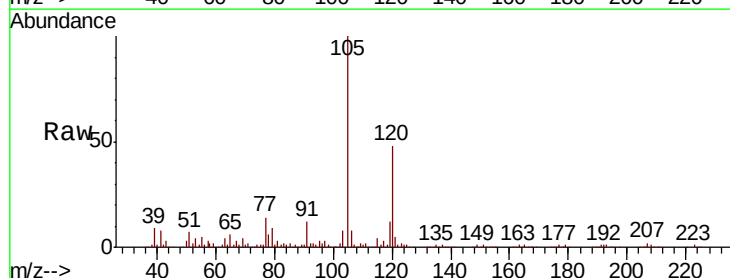
Acq: 11 Sep 2019 14:43

Tgt Ion: 105 Resp: 190673

Ion Ratio Lower Upper

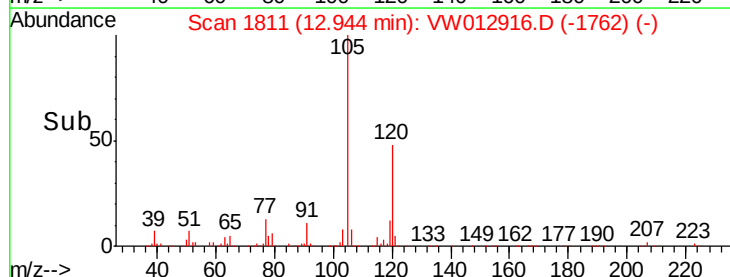
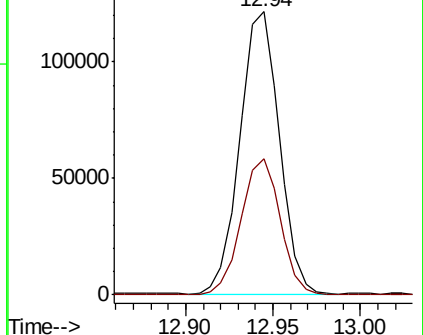
105 100

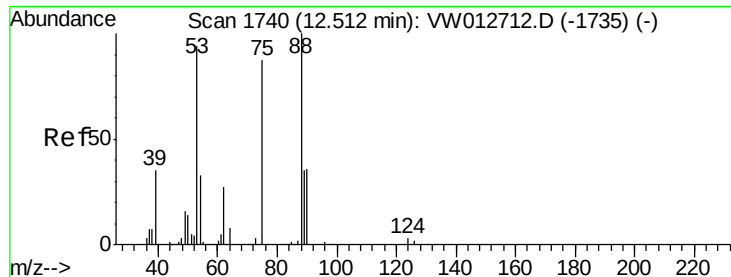
120 48.3 23.9 71.8



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: 16.307 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW012916.D

Acq: 11 Sep 2019 14:43

Instrument :

MSVOA_W

ClientSampleId :

VW0911SBSD01

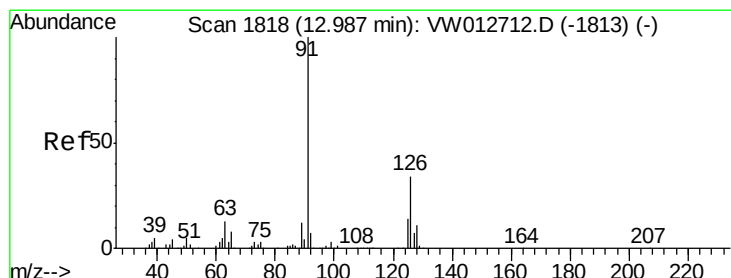
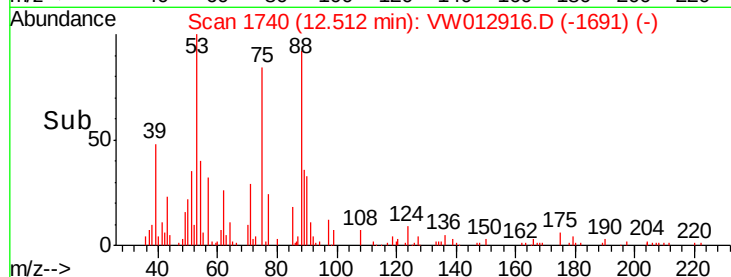
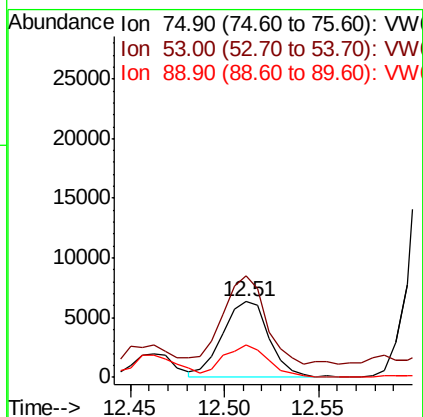
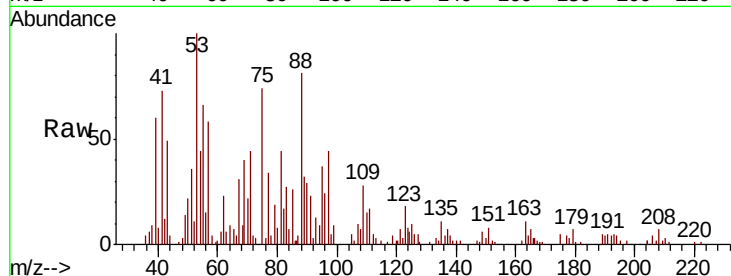
Tgt Ion: 75 Resp: 10877

Ion Ratio Lower Upper

75 100

53 111.2 87.6 131.4

89 42.2 35.5 53.3



#82

4-Chlorotoluene

Concen: 22.082 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW012916.D

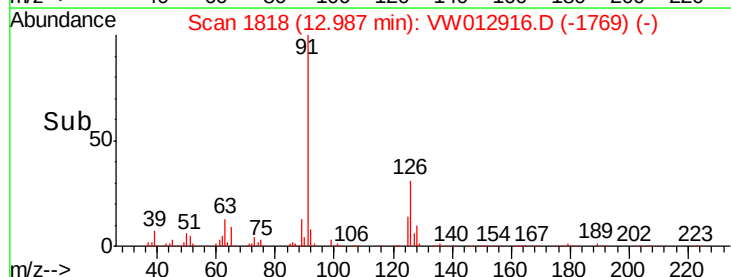
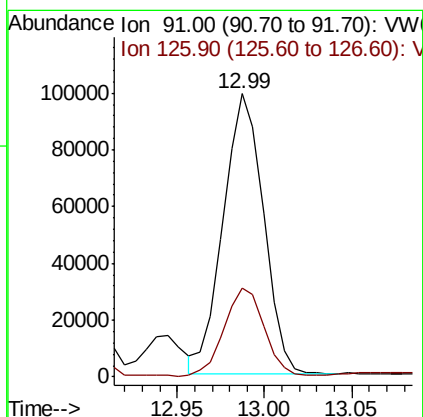
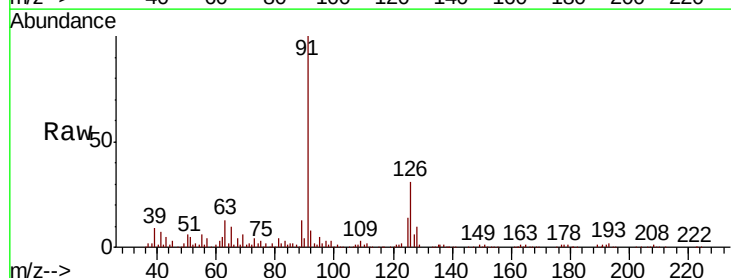
Acq: 11 Sep 2019 14:43

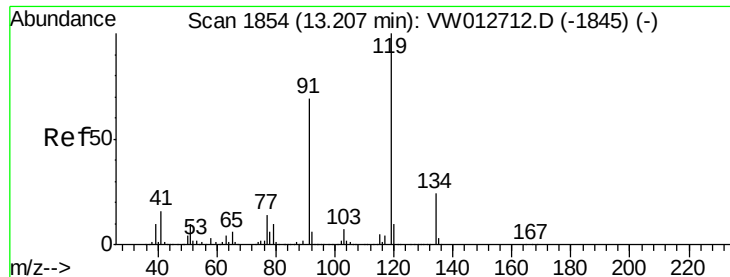
Tgt Ion: 91 Resp: 158697

Ion Ratio Lower Upper

91 100

126 31.6 15.9 47.6

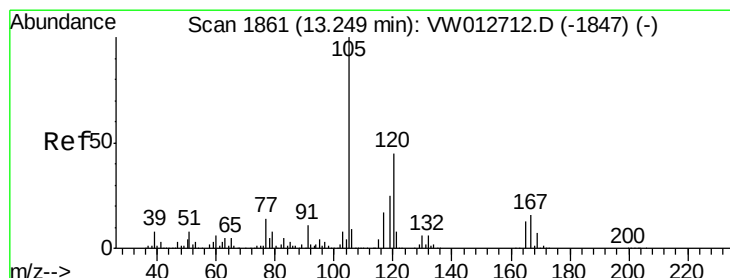
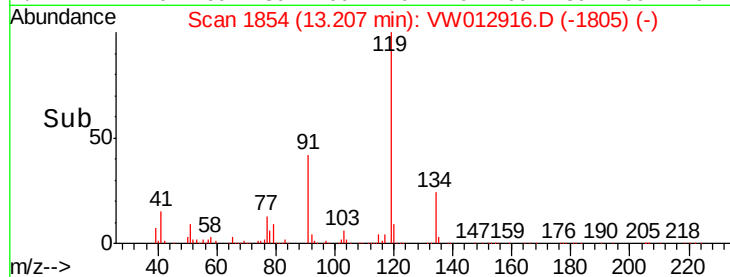
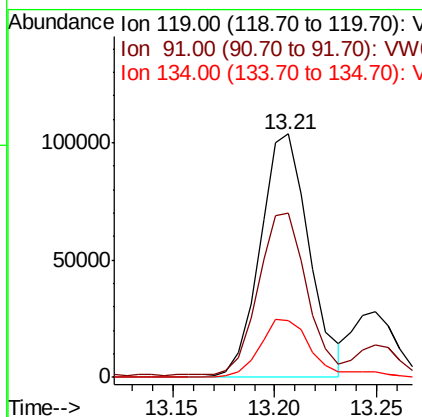
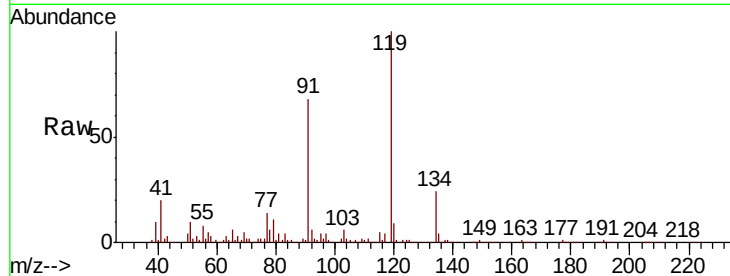




#83
 tert-Butylbenzene
 Concen: 23.351 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW012916.D
 Acq: 11 Sep 2019 14:43

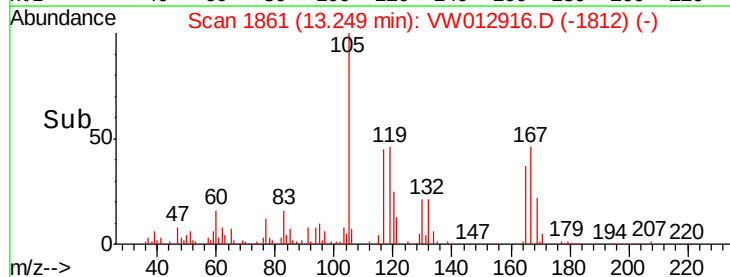
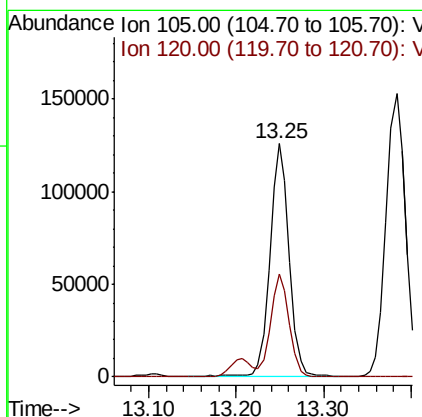
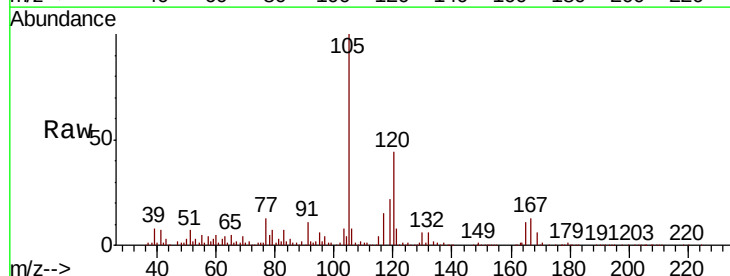
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0911SBSD01

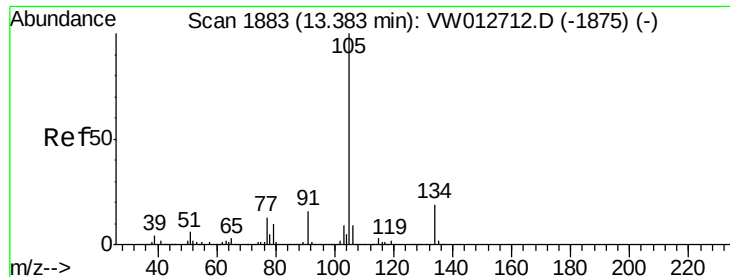
Tgt Ion:119 Resp: 172160
 Ion Ratio Lower Upper
 119 100
 91 66.1 34.2 102.5
 134 26.0 12.3 36.9



#84
 1,2,4-Trimethylbenzene
 Concen: 22.802 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW012916.D
 Acq: 11 Sep 2019 14:43

Tgt Ion:105 Resp: 191586
 Ion Ratio Lower Upper
 105 100
 120 42.6 22.1 66.3

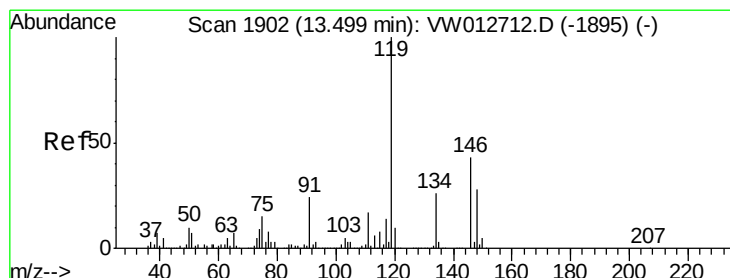
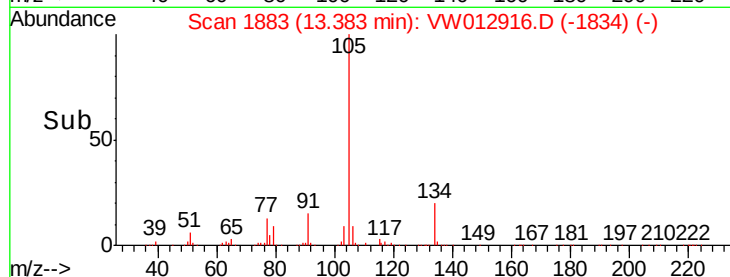
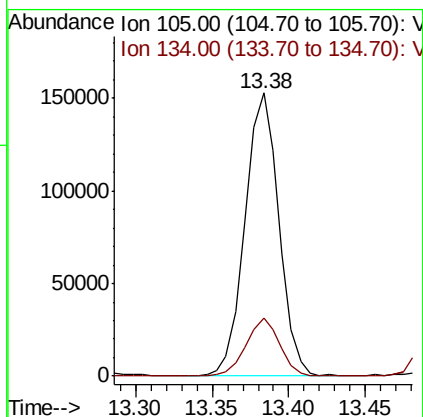
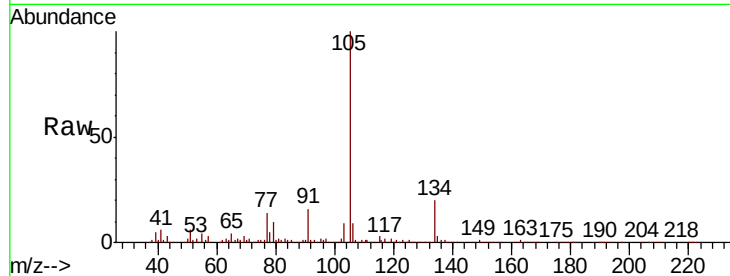




#85
 sec-Butylbenzene
 Concen: 22.840 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW012916.D
 Acq: 11 Sep 2019 14:43

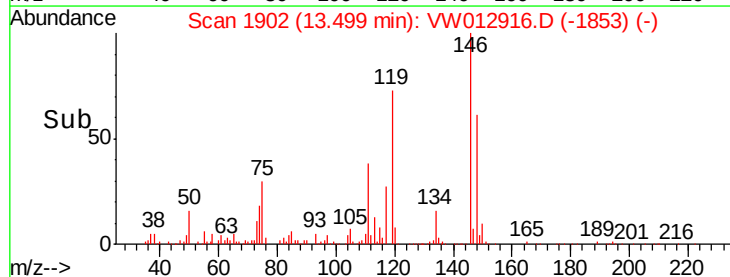
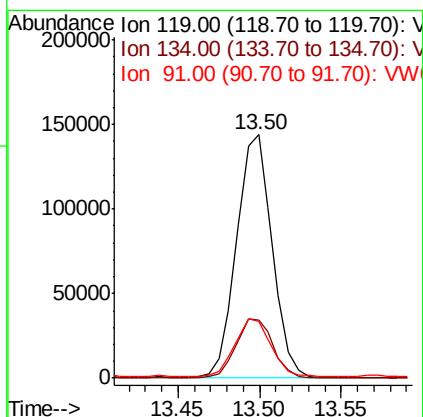
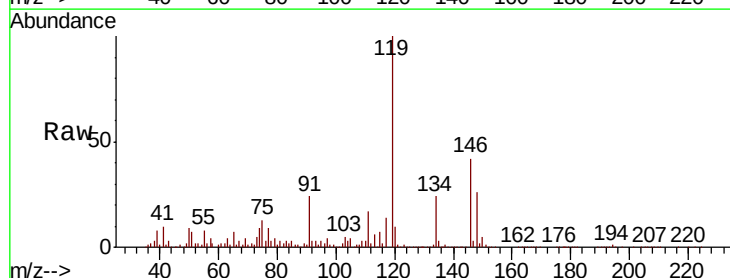
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0911SBSD01

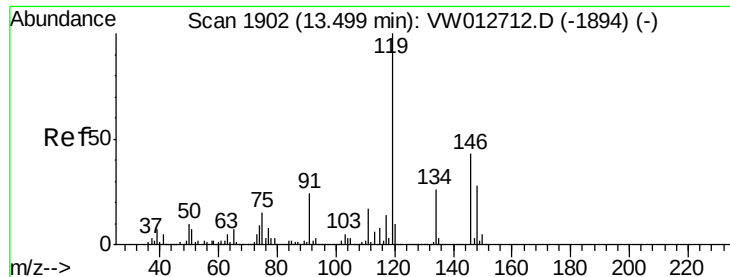
Tgt Ion:105 Resp: 233670
 Ion Ratio Lower Upper
 105 100
 134 20.7 9.8 29.3



#86
 p-Isopropyltoluene
 Concen: 23.305 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012916.D
 Acq: 11 Sep 2019 14:43

Tgt Ion:119 Resp: 217785
 Ion Ratio Lower Upper
 119 100
 134 25.6 12.7 38.1
 91 24.1 12.2 36.6

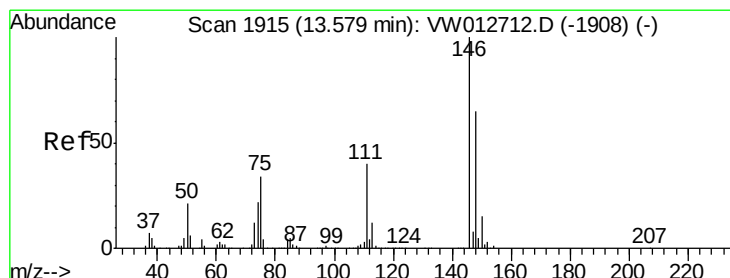
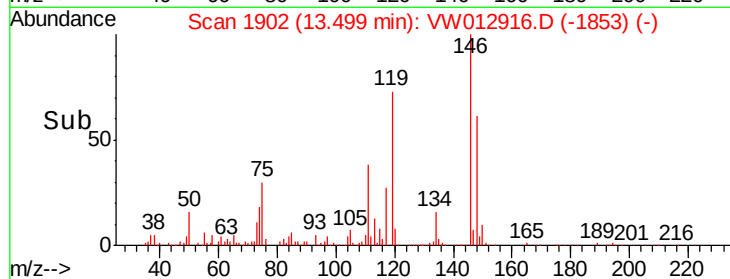
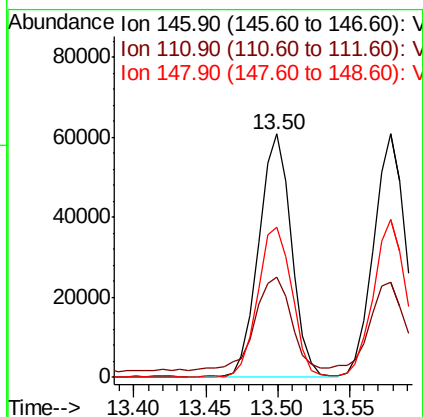
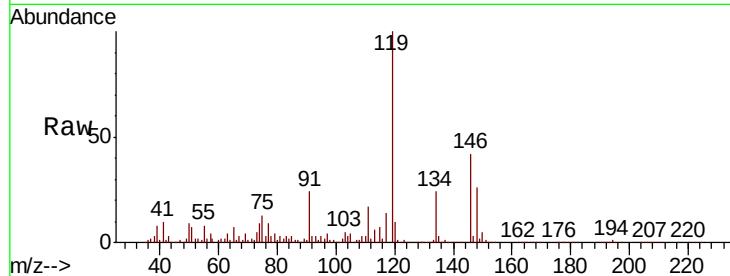




#87
 1,3-Dichlorobenzene
 Concen: 21.618 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012916.D
 Acq: 11 Sep 2019 14:43

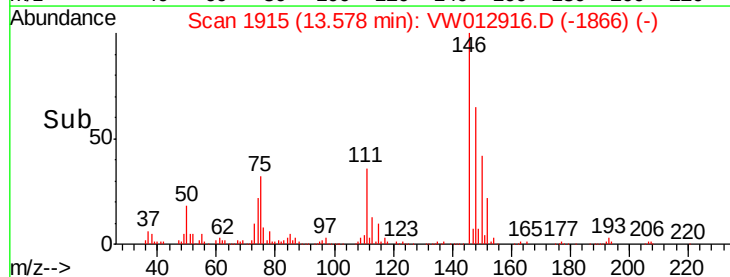
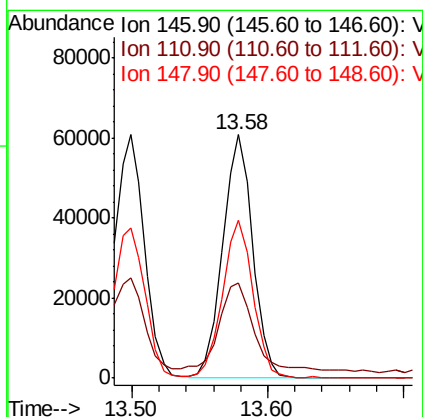
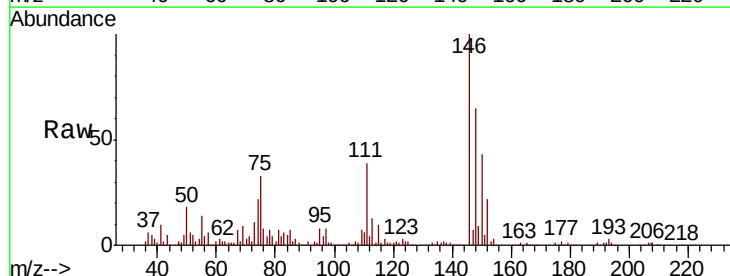
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0911SBSD01

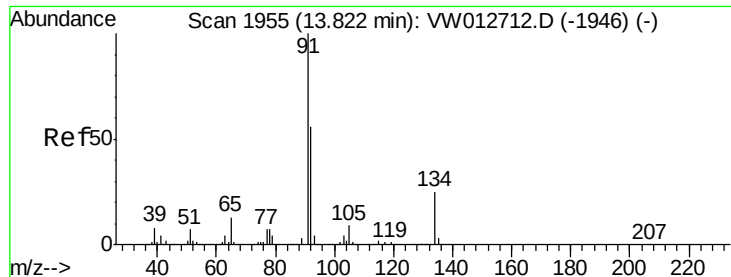
Tgt Ion:146 Resp: 95260
 Ion Ratio Lower Upper
 146 100
 111 42.7 20.4 61.2
 148 64.0 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 21.242 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW012916.D
 Acq: 11 Sep 2019 14:43

Tgt Ion:146 Resp: 93144
 Ion Ratio Lower Upper
 146 100
 111 44.9 20.0 60.0
 148 65.3 32.2 96.6





#89

n-Butylbenzene

Concen: 22.319 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW012916.D

Acq: 11 Sep 2019 14:43

Instrument :

MSVOA_W

ClientSampleId :

VW0911SBSD01

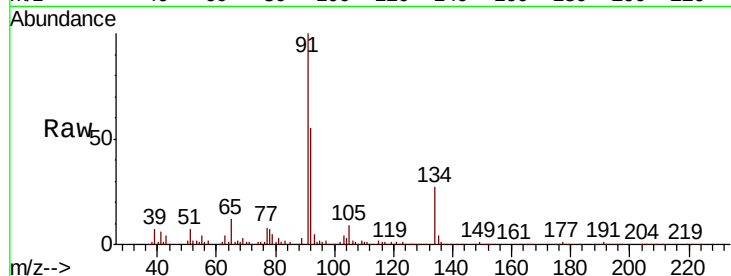
Tgt Ion: 91 Resp: 202486

Ion Ratio Lower Upper

91 100

92 54.3 27.2 81.5

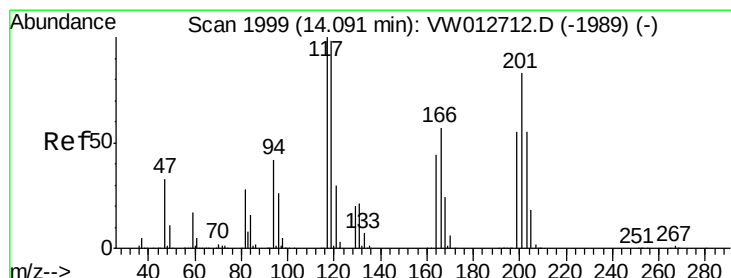
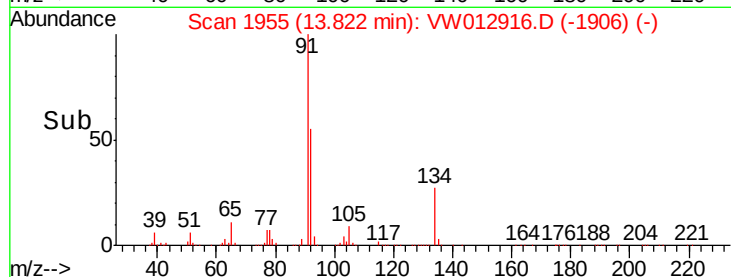
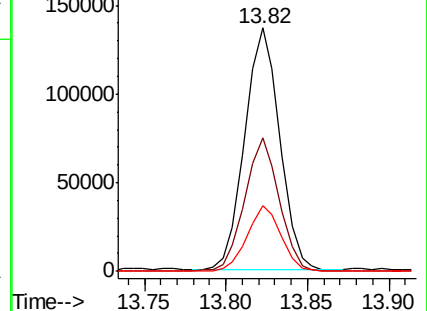
134 26.6 12.7 38.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 20.905 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW012916.D

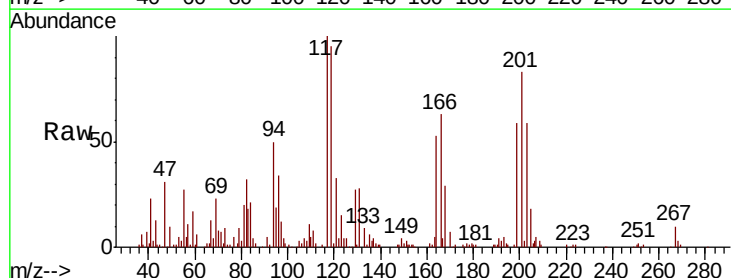
Acq: 11 Sep 2019 14:43

Tgt Ion: 117 Resp: 34105

Ion Ratio Lower Upper

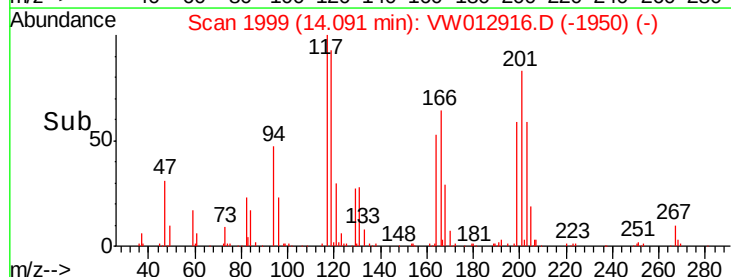
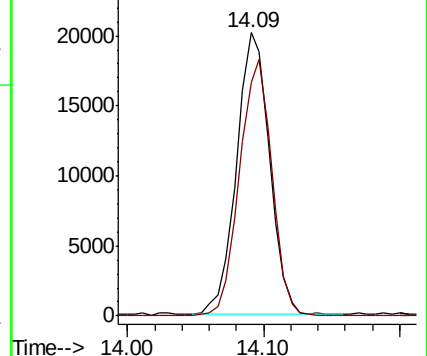
117 100

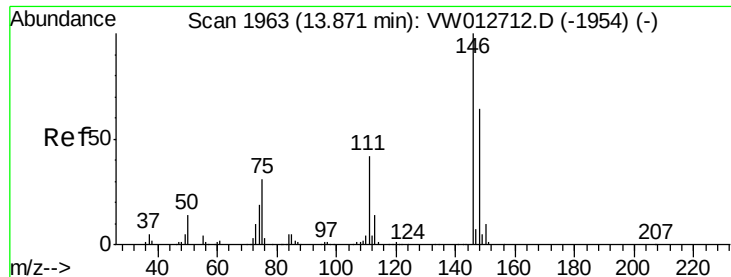
201 89.0 42.8 128.4



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

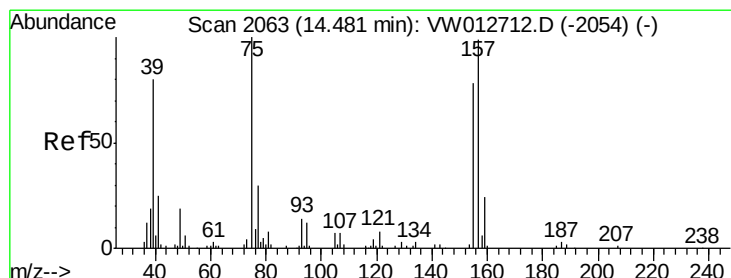
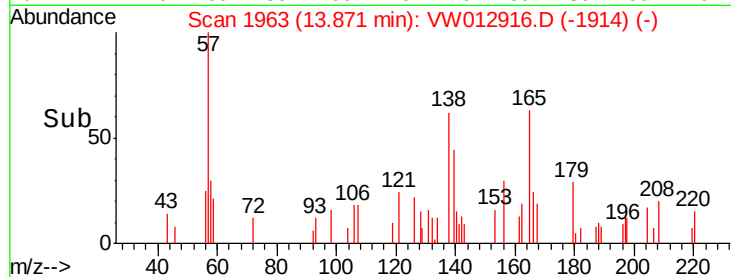
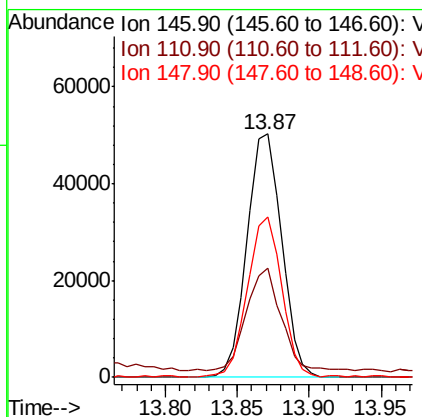
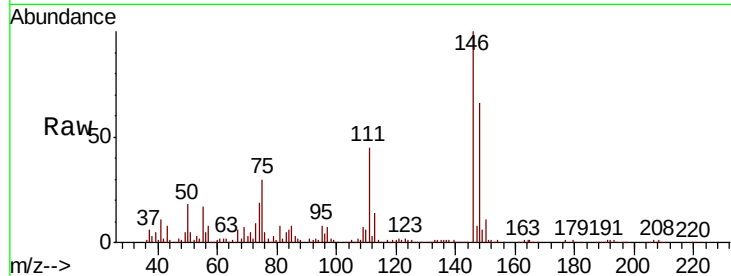




#91
 1,2-Dichlorobenzene
 Concen: 21.168 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012916.D
 Acq: 11 Sep 2019 14:43

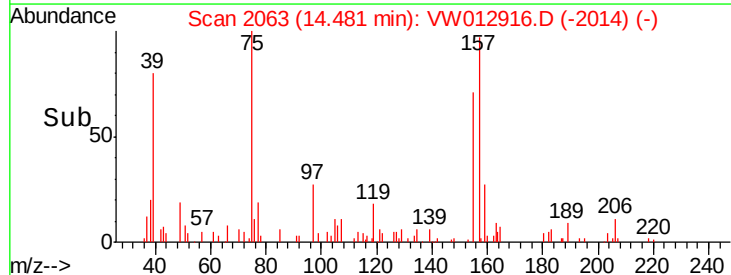
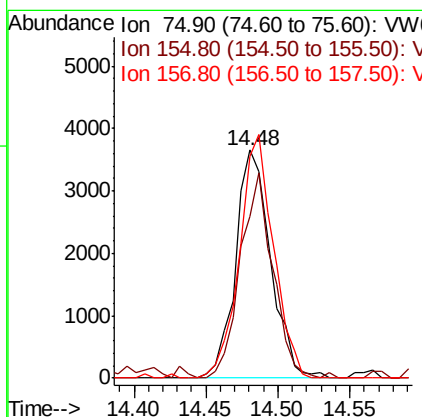
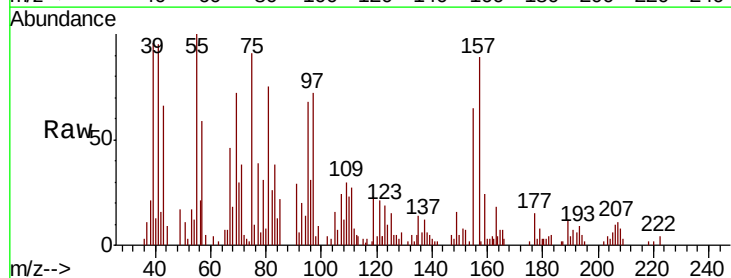
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0911SBSD01

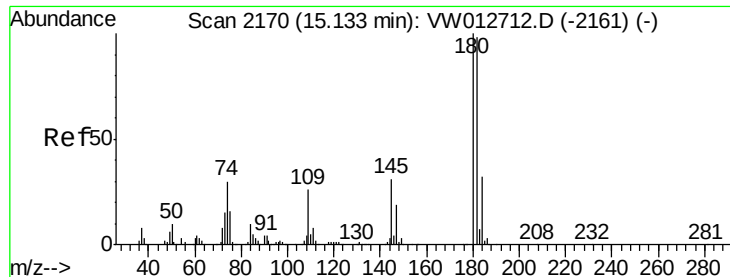
Tgt Ion: 146 Resp: 83958
 Ion Ratio Lower Upper
 146 100
 111 41.0 21.3 63.9
 148 65.1 32.1 96.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.995 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW012916.D
 Acq: 11 Sep 2019 14:43

Tgt Ion: 75 Resp: 6181
 Ion Ratio Lower Upper
 75 100
 155 83.3 40.6 122.0
 157 103.2 52.5 157.5

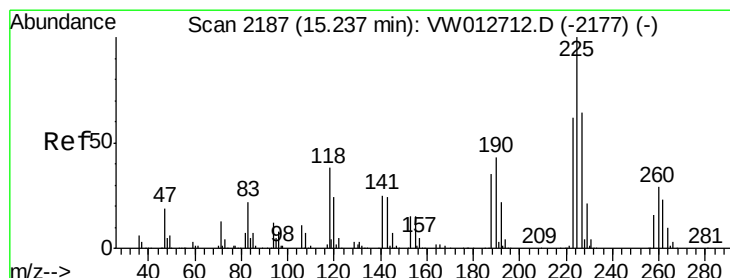
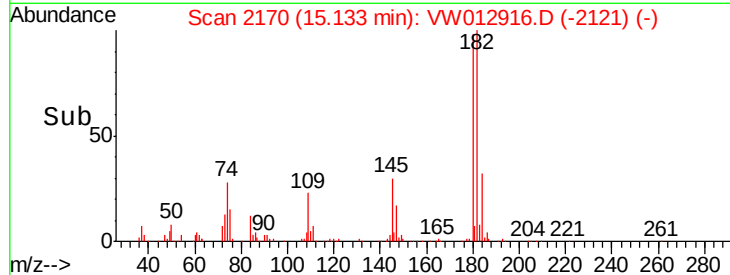
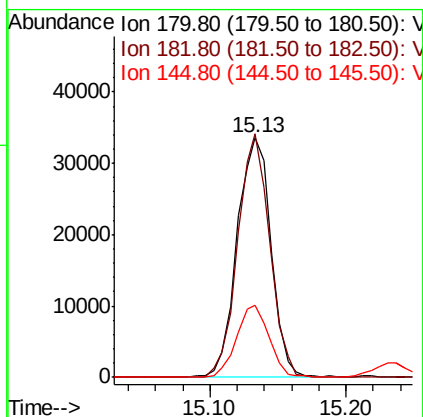
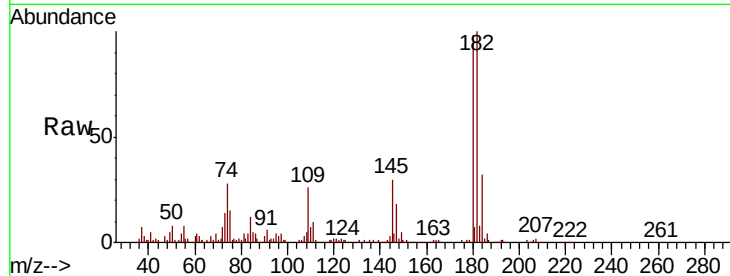




#93
 1,2,4-Trichlorobenzene
 Concen: 21.128 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012916.D
 Acq: 11 Sep 2019 14:43

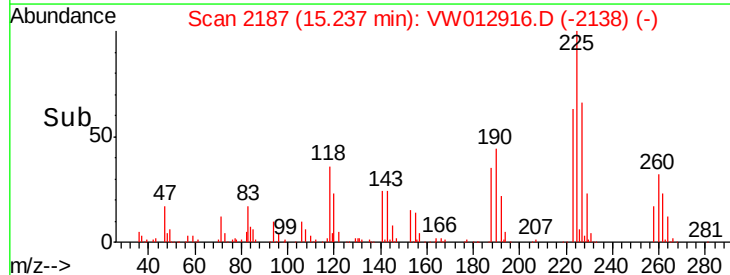
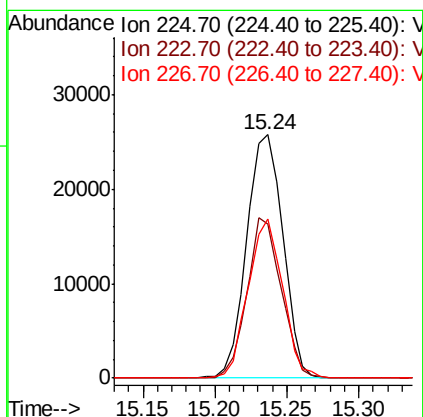
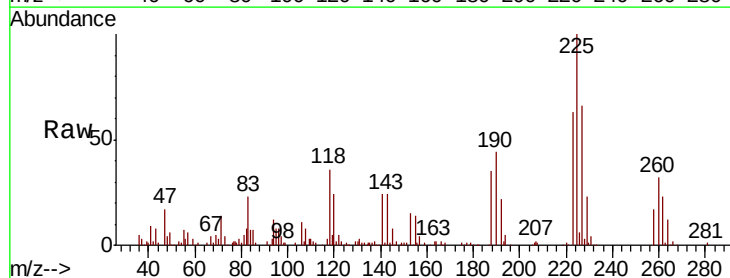
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0911SBSD01

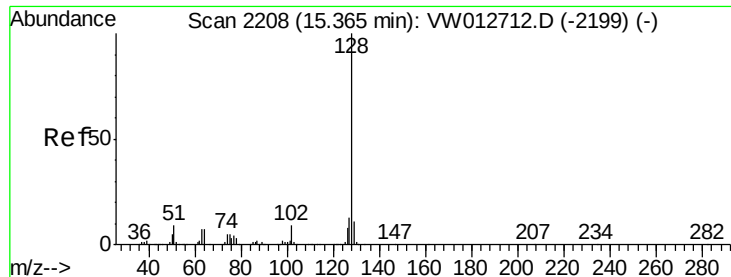
Tgt Ion:180 Resp: 58343
 Ion Ratio Lower Upper
 180 100
 182 95.7 48.7 146.1
 145 29.2 15.0 45.1



#94
 Hexachlorobutadiene
 Concen: 23.476 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012916.D
 Acq: 11 Sep 2019 14:43

Tgt Ion:225 Resp: 44870
 Ion Ratio Lower Upper
 225 100
 223 62.3 31.1 93.3
 227 62.3 31.4 94.2

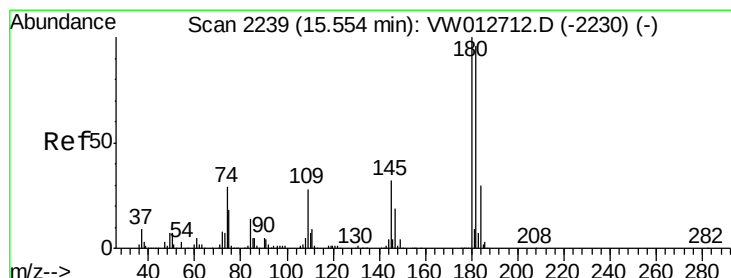
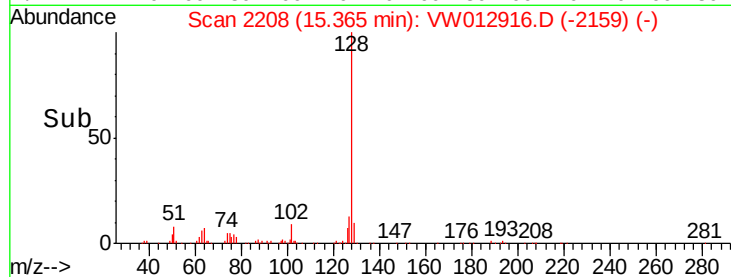
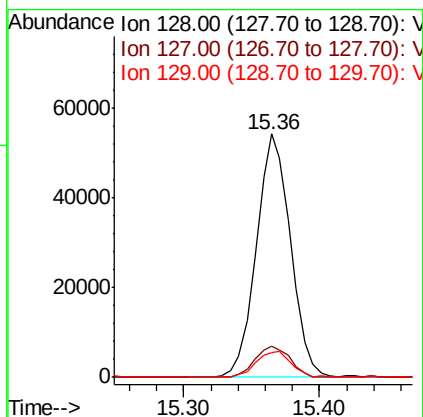
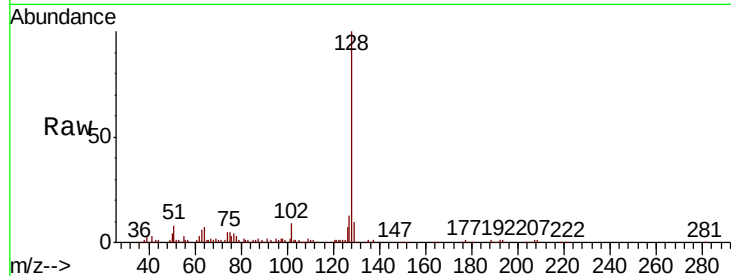




#95
Naphthalene
Concen: 19.456 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012916.D
Acq: 11 Sep 2019 14:43

Instrument :
MSVOA_W
ClientSampleId :
VW0911SBSD01

Tgt Ion:128 Resp: 95397
Ion Ratio Lower Upper
128 100
127 13.6 10.7 16.1
129 11.1 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 20.593 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW012916.D
Acq: 11 Sep 2019 14:43

Tgt Ion:180 Resp: 50195
Ion Ratio Lower Upper
180 100
182 96.8 47.8 143.3
145 32.1 15.4 46.2

