

Data File : VW008241.D
Acq On : 14 Jan 2019 12:38
Operator : SY/VA
Sample : VW0114SBSD01
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0114SBSD01

Quant Time: Jan 14 21:11:04 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 09 04:40:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	107547	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	176219	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	160501	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	82131	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	48326	39.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.96%	
35) Dibromofluoromethane	7.88	113	48814	47.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.98%	
50) Toluene-d8	10.32	98	195276	45.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.56%	
62) 4-Bromofluorobenzene	12.62	95	67761	43.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.64%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	14076	16.037	ug/l	100
3) Chloromethane	2.21	50	19702	17.302	ug/l	94
4) Vinyl Chloride	2.36	62	26362	17.738	ug/l	96
5) Bromomethane	2.78	94	22261	19.995	ug/l	93
6) Chloroethane	2.92	64	18717	16.736	ug/l	93
7) Trichlorofluoromethane	3.26	101	22529	18.646	ug/l	98
8) Diethyl Ether	3.68	74	12904	18.892	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.06	101	23536	19.620	ug/l	98
10) Methyl Iodide	4.26	142	35421	20.260	ug/l	99
11) Tert butyl alcohol	5.21	59	5840	57.979	ug/l #	100
12) 1,1-Dichloroethene	4.03	96	23699	20.122	ug/l	92
13) Acrolein	3.90	56	6286	77.079	ug/l #	82
14) Allyl chloride	4.66	41	39224	18.343	ug/l	97
15) Acrylonitrile	5.37	53	24599	94.594	ug/l	98
16) Acetone	4.14	43	25869	106.963	ug/l	91
17) Carbon Disulfide	4.37	76	68673	18.665	ug/l	98
18) Methyl Acetate	4.67	43	14125	18.489	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	34530	18.034	ug/l	96
20) Methylene Chloride	4.91	84	26287	19.119	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	24923	19.473	ug/l	94
22) Diisopropyl ether	6.32	45	74500	18.268	ug/l	98
23) Vinyl Acetate	6.26	43	195579	91.313	ug/l	98
24) 1,1-Dichloroethane	6.21	63	44503	18.729	ug/l	96
25) 2-Butanone	7.18	43	31727	94.339	ug/l	99
26) 2,2-Dichloropropane	7.16	77	31189	19.372	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	27080	19.392	ug/l	95
28) Bromochloromethane	7.51	49	17426	18.541	ug/l	93
29) Tetrahydrofuran	7.54	42	20704	92.161	ug/l	98
30) Chloroform	7.68	83	44569	19.705	ug/l	97
31) Cyclohexane	7.95	56	44172	17.365	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	38534	19.580	ug/l	97
36) 1,1-Dichloropropene	8.09	75	36700	20.218	ug/l	98
37) Ethyl Acetate	7.25	43	13728	18.877	ug/l #	93
38) Carbon Tetrachloride	8.07	117	35848	21.576	ug/l	96

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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	44664	19.405	ug/l	91
40) Benzene	8.32	78	101444	20.604	ug/l	100
41) Methacrylonitrile	7.48	41	8698	18.934	ug/l	96
42) 1,2-Dichloroethane	8.40	62	27554	19.898	ug/l	98
43) Isopropyl Acetate	8.43	43	27515	18.923	ug/l	99
44) Trichloroethene	9.09	130	27336	21.689	ug/l	98
45) 1,2-Dichloropropane	9.37	63	25369	20.781	ug/l	97
46) Dibromomethane	9.46	93	12825	21.391	ug/l	96
47) Bromodichloromethane	9.65	83	32607	21.419	ug/l	97
48) Methyl methacrylate	9.44	41	12575	18.328	ug/l	90
49) 1,4-Dioxane	9.48	88	3504	363.421	ug/l #	97
51) 4-Methyl-2-Pentanone	10.21	43	67089	95.320	ug/l	98
52) Toluene	10.39	92	66427	21.126	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	32086	20.262	ug/l	91
54) cis-1,3-Dichloropropene	10.07	75	36843	19.621	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	18037	21.428	ug/l	98
56) Ethyl methacrylate	10.65	69	20584	19.746	ug/l	95
57) 1,3-Dichloropropane	10.93	76	30891	20.066	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	53655	99.643	ug/l	98
59) 2-Hexanone	10.97	43	47450	99.693	ug/l	99
60) Dibromochloromethane	11.13	129	20711	22.406	ug/l	100
61) 1,2-Dibromoethane	11.23	107	16612	20.799	ug/l	99
64) Tetrachloroethene	10.87	164	23056	22.073	ug/l	90
65) Chlorobenzene	11.66	112	71166	20.929	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	23494	21.243	ug/l	95
67) Ethyl Benzene	11.73	91	125239	20.129	ug/l	97
68) m/p-Xylenes	11.84	106	97372	41.003	ug/l	98
69) o-Xylene	12.17	106	44540	20.254	ug/l	99
70) Styrene	12.18	104	72485	21.044	ug/l	97
71) Bromoform	12.35	173	11286	22.801	ug/l #	95
73) Isopropylbenzene	12.47	105	125687	19.492	ug/l	99
74) N-amyl acetate	12.27	43	25630	17.949	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	19930	19.310	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	26582	35.504	ug/l	26
77) Bromobenzene	12.75	156	28553	20.957	ug/l	88
78) n-propylbenzene	12.81	91	153072	19.375	ug/l	97
79) 2-Chlorotoluene	12.90	91	84742	19.225	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	104697	19.759	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	6103	18.982	ug/l	97
82) 4-Chlorotoluene	12.99	91	89551	19.290	ug/l	97
83) tert-Butylbenzene	13.21	119	92151	19.658	ug/l	96
84) 1,2,4-Trimethylbenzene	13.26	105	106999	19.579	ug/l	99
85) sec-Butylbenzene	13.39	105	131717	19.182	ug/l	98
86) p-Isopropyltoluene	13.50	119	117173	19.760	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	58332	21.106	ug/l	96
88) 1,4-Dichlorobenzene	13.58	146	57795	20.843	ug/l	99
89) n-Butylbenzene	13.83	91	112735	19.411	ug/l	99
90) Hexachloroethane	14.10	117	21454	21.420	ug/l	95
91) 1,2-Dichlorobenzene	13.87	146	50629	20.844	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	3512	21.144	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW011419\
Quantitation Report (Not Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	34159	21.182	ug/l	97
94) Hexachlorobutadiene	15.24	225	19989	23.158	ug/l	98
95) Naphthalene	15.37	128	57742	19.176	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	29953	21.788	ug/l	97

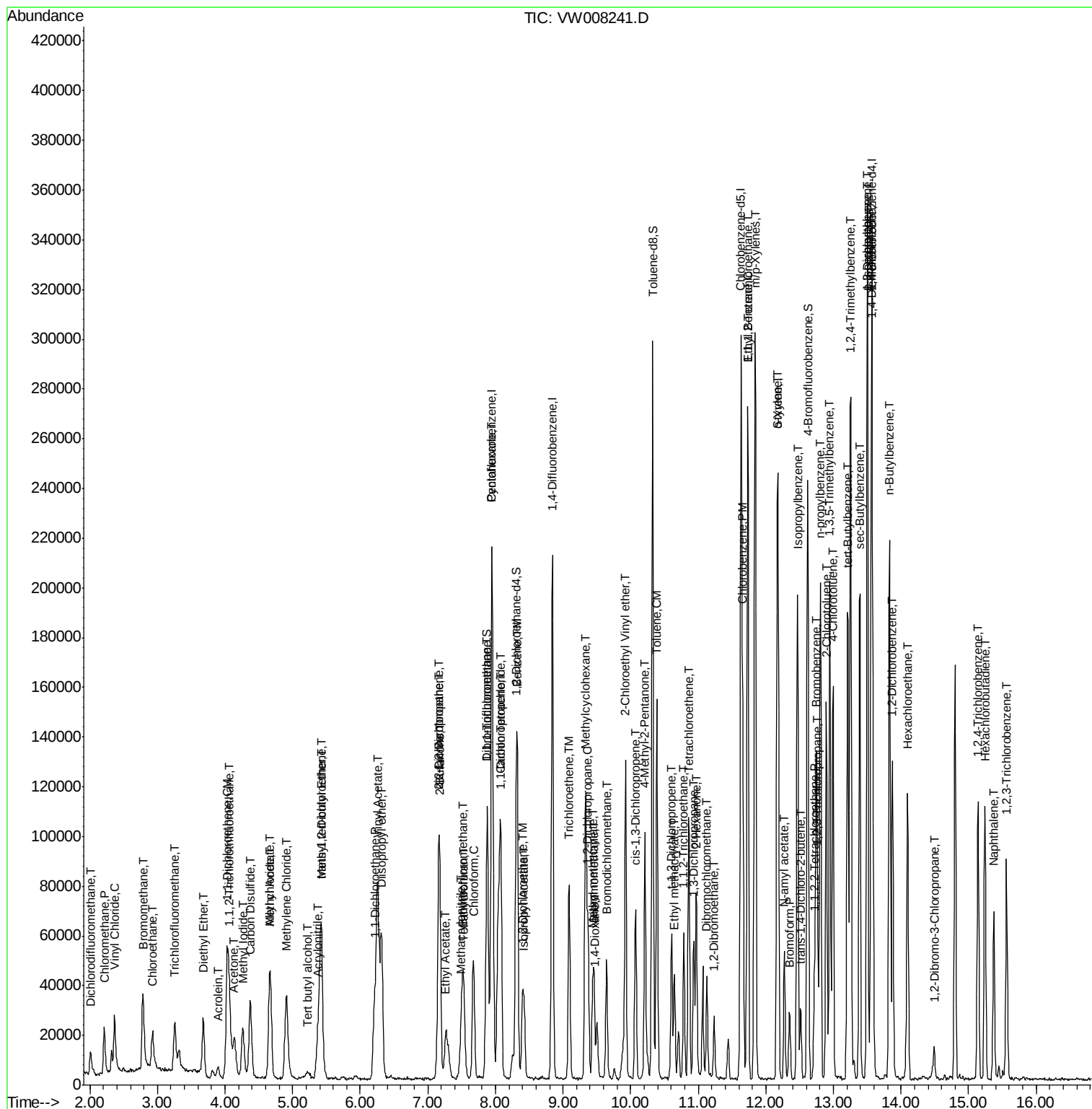
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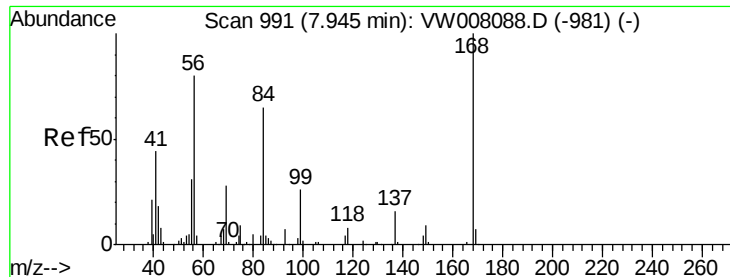
Data File : VW008241.D

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Sample      : VW0114SBS01
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW008241.D

Acq: 14 Jan 2019 12:38

Instrument :

MSVOA_W

ClientSampleId :

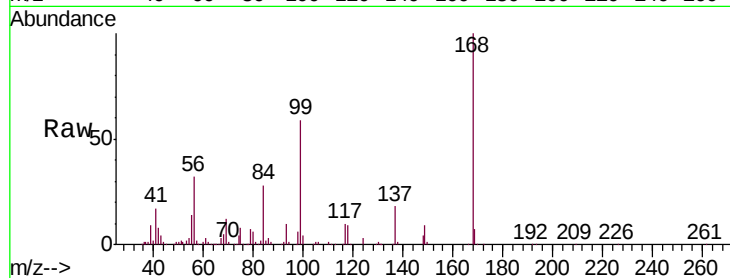
VW0114SBSD01

Tgt Ion:168 Resp: 107547

Ion Ratio Lower Upper

168 100

99 58.6 52.6 78.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

50000

40000

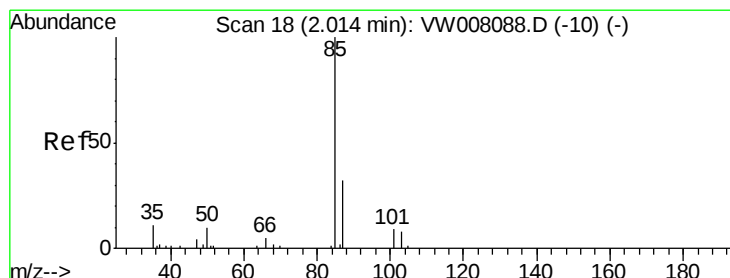
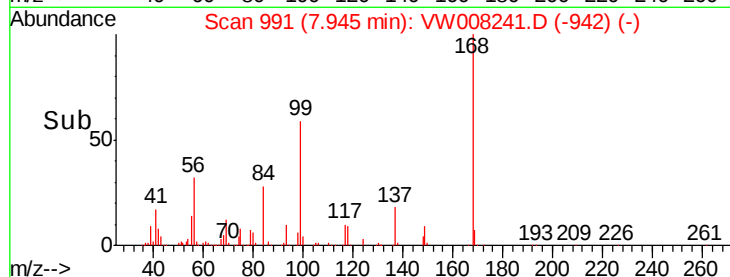
30000

20000

10000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 16.037 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW008241.D

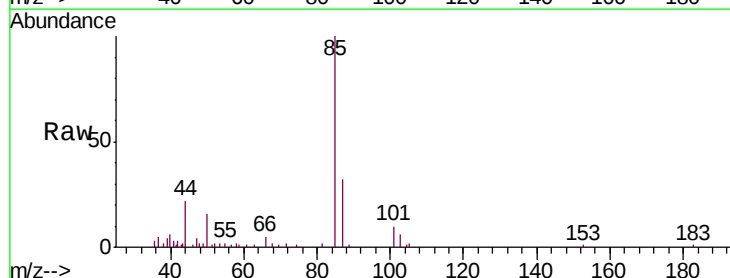
Acq: 14 Jan 2019 12:38

Tgt Ion: 85 Resp: 14076

Ion Ratio Lower Upper

85 100

87 32.1 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

6000

5000

4000

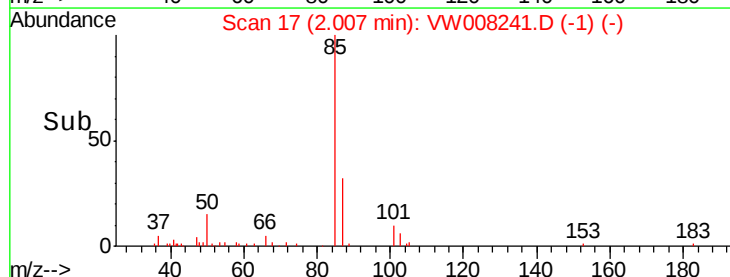
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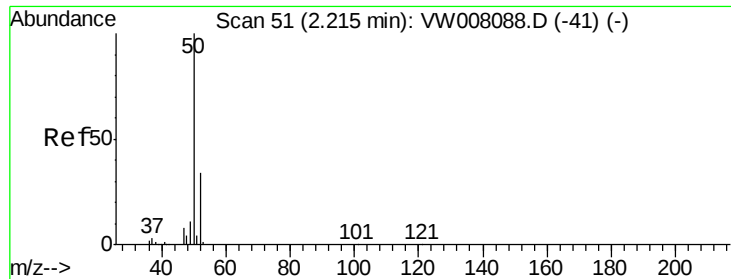
2000

1000

0

Time-->





#3

Chloromethane

Concen: 17.302 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW008241.D

Acq: 14 Jan 2019 12:38

Instrument :

MSVOA_W

ClientSampleId :

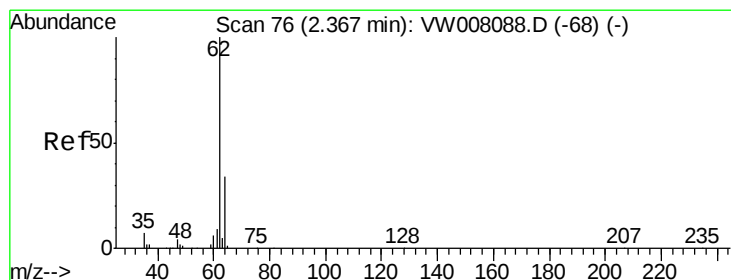
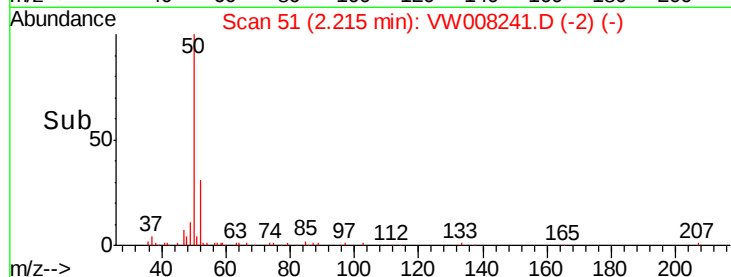
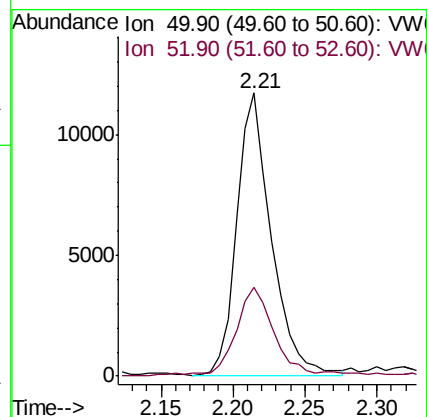
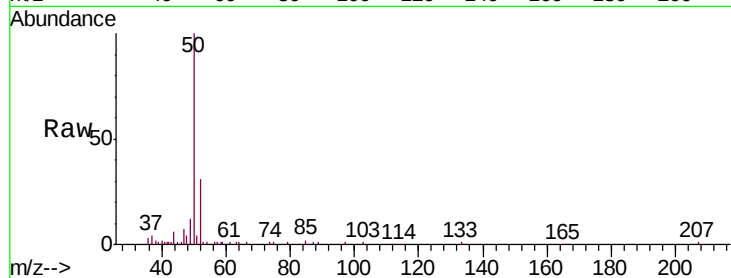
VW0114SBSD01

Tgt Ion: 50 Resp: 19702

Ion Ratio Lower Upper

50 100

52 30.3 26.8 40.2



#4

Vinyl Chloride

Concen: 17.738 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW008241.D

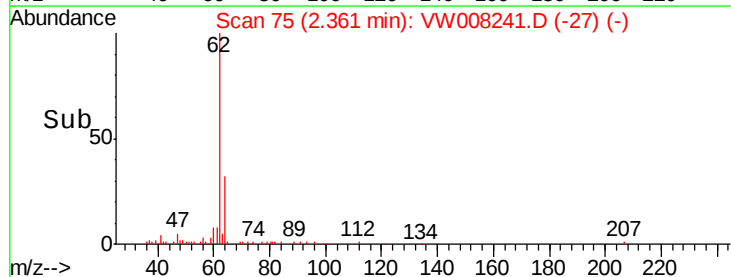
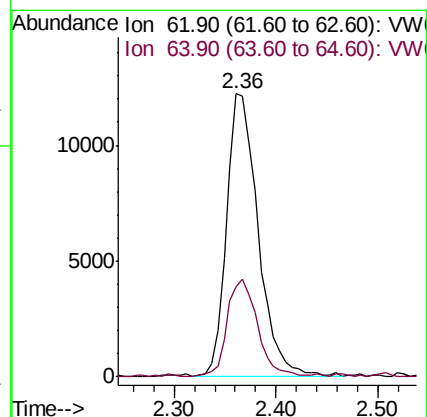
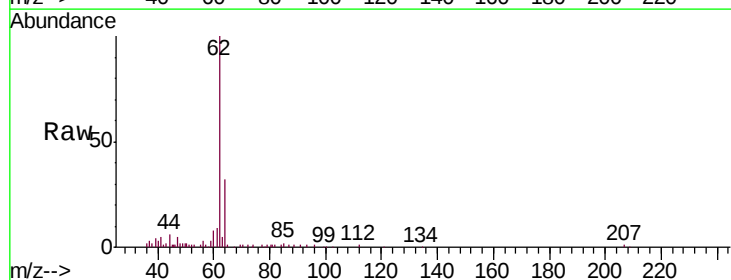
Acq: 14 Jan 2019 12:38

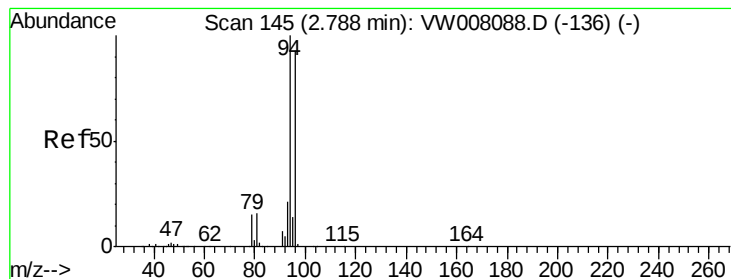
Tgt Ion: 62 Resp: 26362

Ion Ratio Lower Upper

62 100

64 31.7 27.0 40.6





#5

Bromomethane

Concen: 19.995 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW008241.D

Acq: 14 Jan 2019 12:38

Instrument :

MSVOA_W

ClientSampleId :

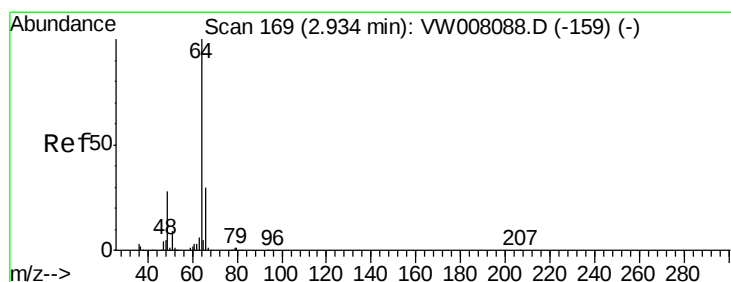
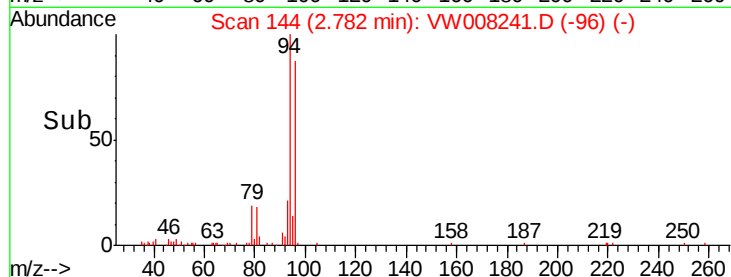
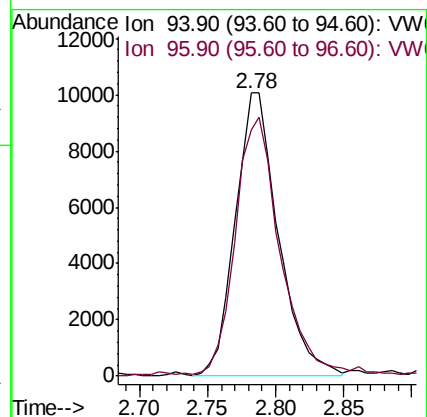
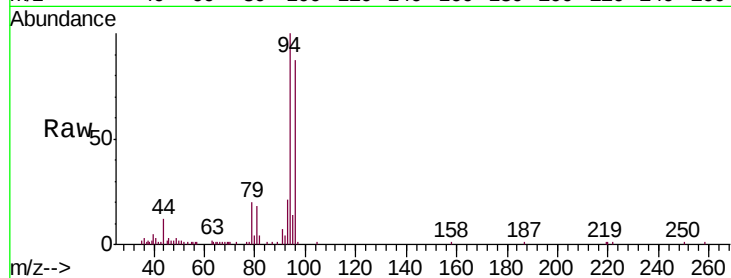
VW0114SBSD01

Tgt Ion: 94 Resp: 22261

Ion Ratio Lower Upper

94 100

96 86.2 74.1 111.1



#6

Chloroethane

Concen: 16.736 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW008241.D

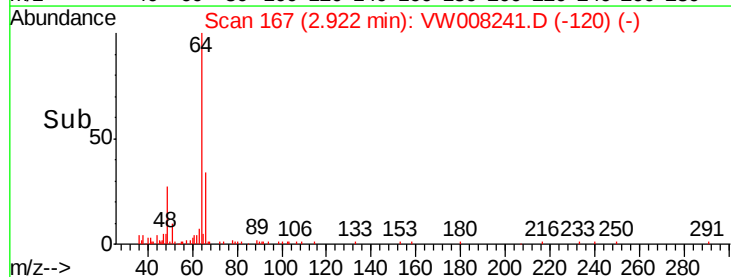
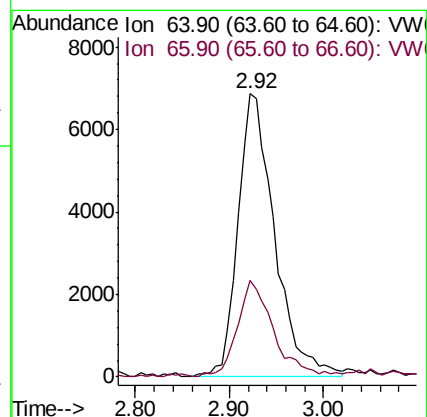
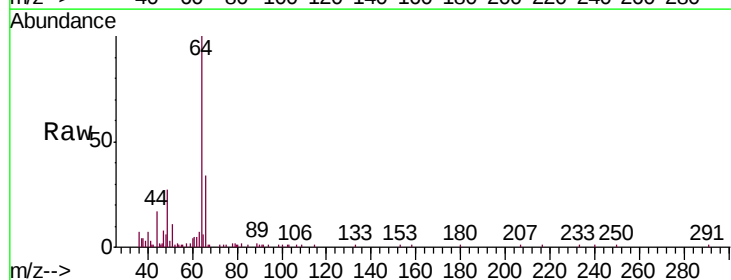
Acq: 14 Jan 2019 12:38

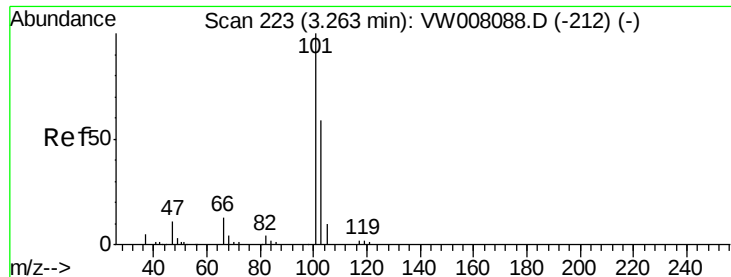
Tgt Ion: 64 Resp: 18717

Ion Ratio Lower Upper

64 100

66 34.2 24.2 36.2



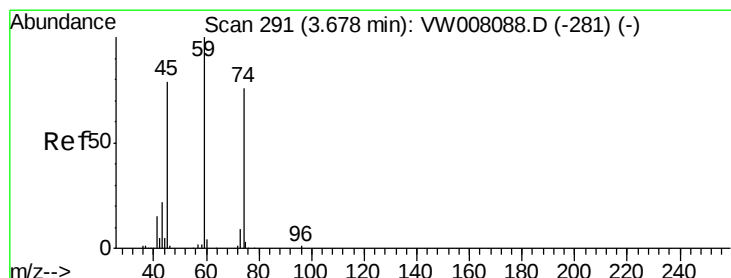
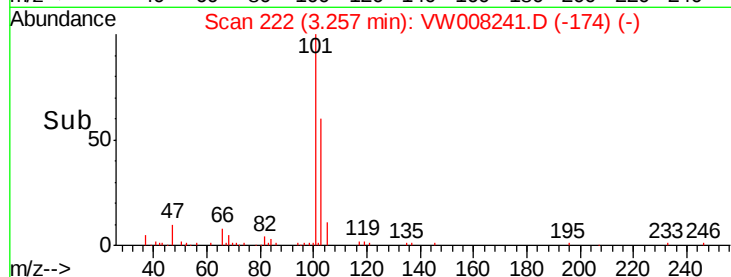
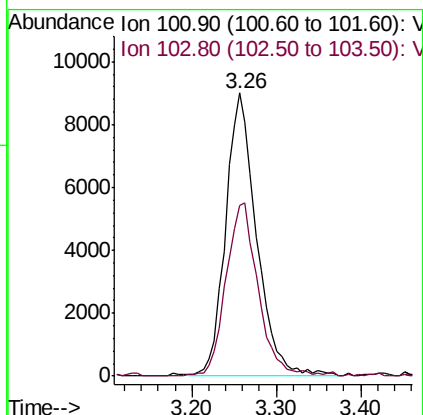
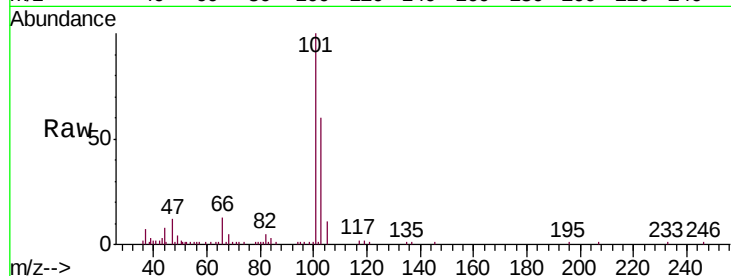


#7

Trichlorofluoromethane
Concen: 18.646 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.01 min
Lab File: VW008241.D
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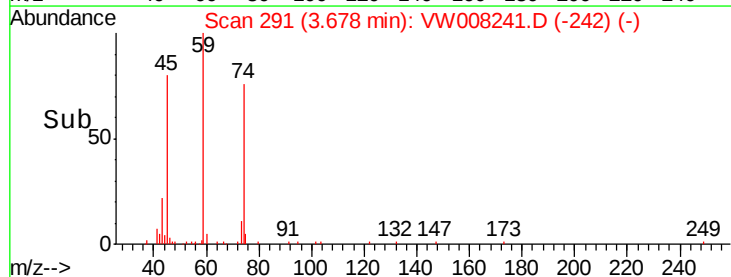
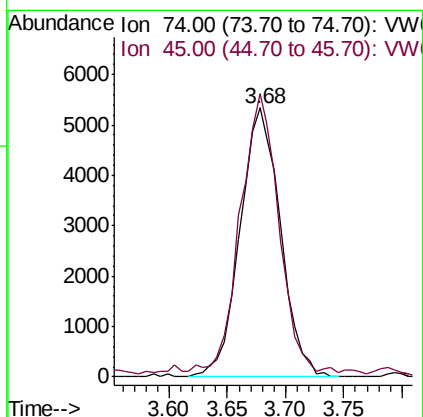
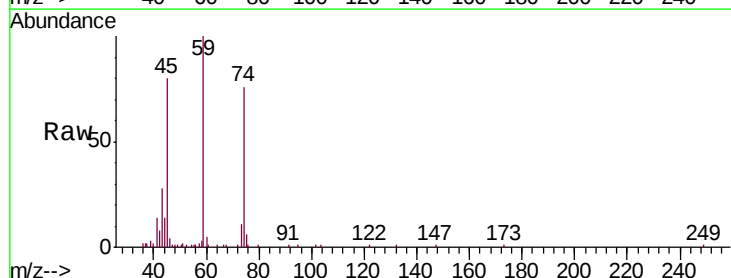
Tgt Ion:101 Resp: 22529
Ion Ratio Lower Upper
101 100
103 60.3 47.0 70.6

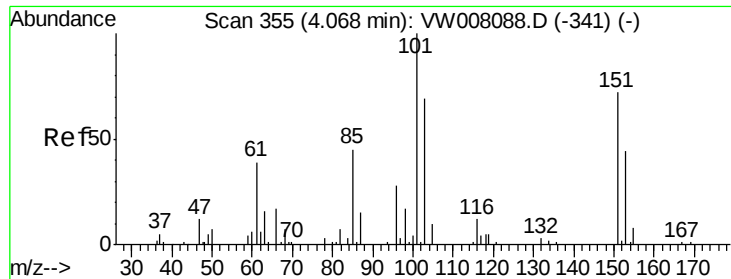


#8

Diethyl Ether
Concen: 18.892 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW008241.D
Acq: 14 Jan 2019 12:38

Tgt Ion: 74 Resp: 12904
Ion Ratio Lower Upper
74 100
45 96.6 52.4 157.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.620 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW008241.D

Acq: 14 Jan 2019 12:38

Instrument :

MSVOA_W

ClientSampleId :

VW0114SBSD01

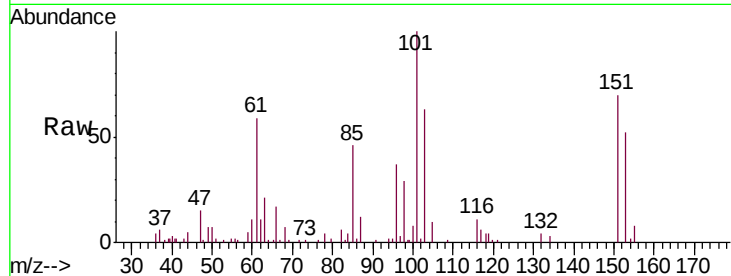
Tgt Ion:101 Resp: 23536

Ion Ratio Lower Upper

101 100

85 45.1 35.9 53.9

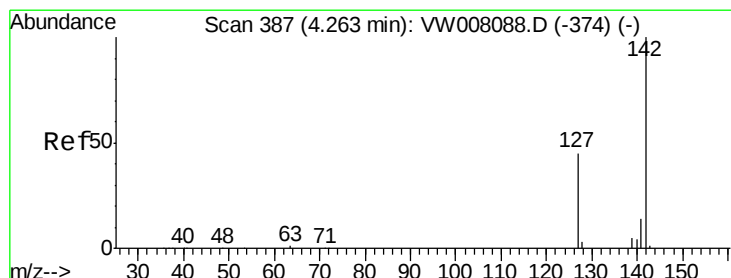
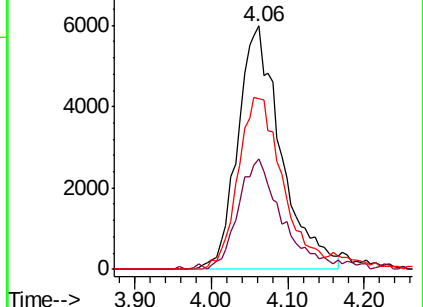
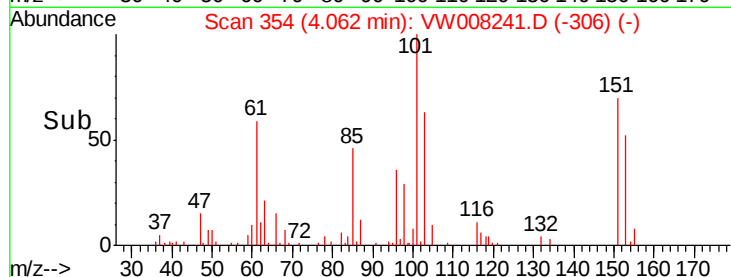
151 72.8 55.8 83.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.260 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.00 min

Lab File: VW008241.D

Acq: 14 Jan 2019 12:38

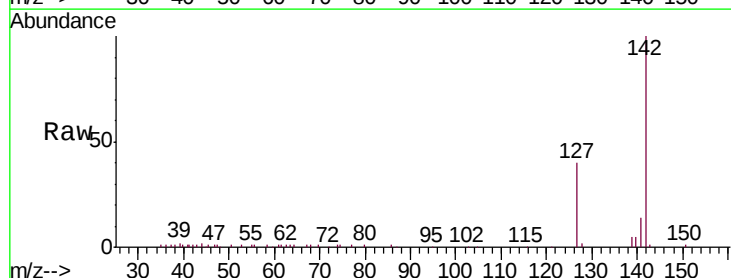
Tgt Ion:142 Resp: 35421

Ion Ratio Lower Upper

142 100

127 43.2 35.0 52.4

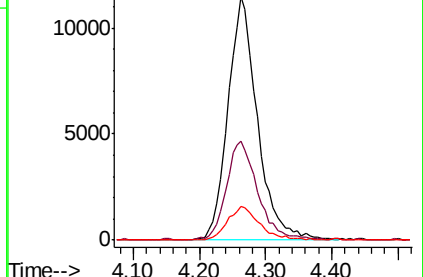
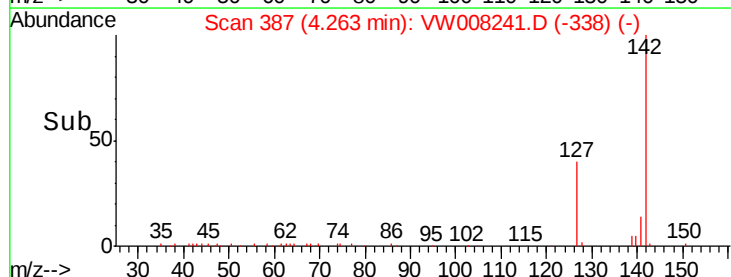
141 14.8 11.8 17.6

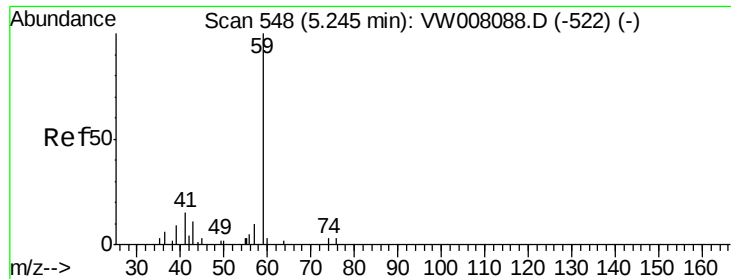


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

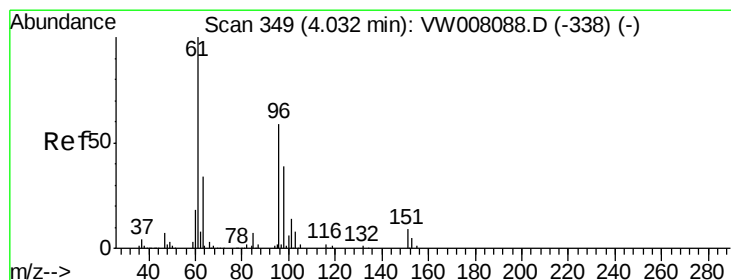
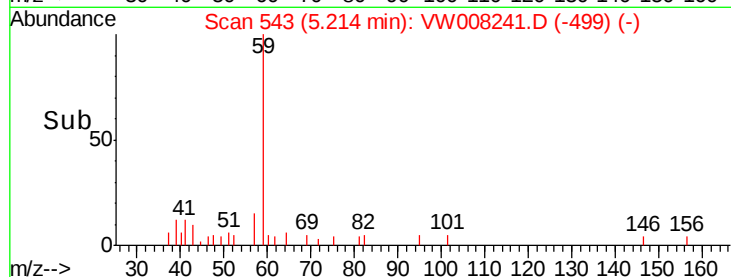
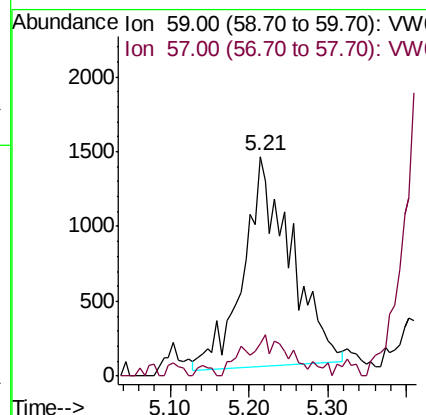
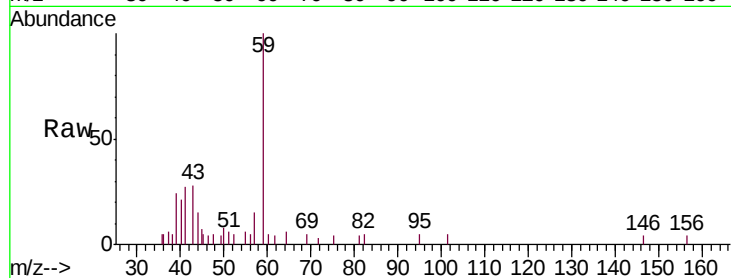




#11
Tert butyl alcohol
Concen: 57.979 ug/l
RT: 5.21 min Scan# 543
Delta R.T. -0.03 min
Lab File: VW008241.D
Acq: 14 Jan 2019 12:38

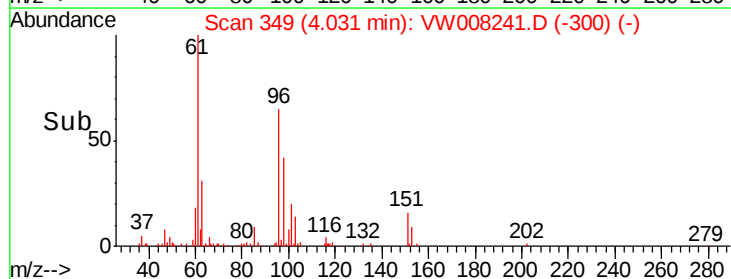
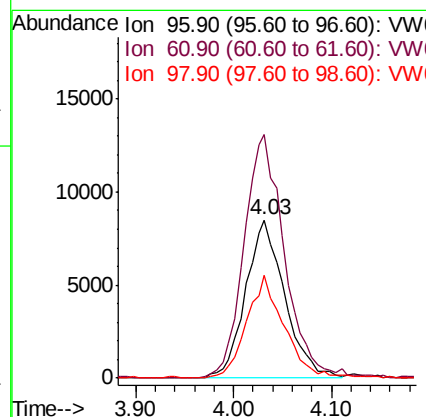
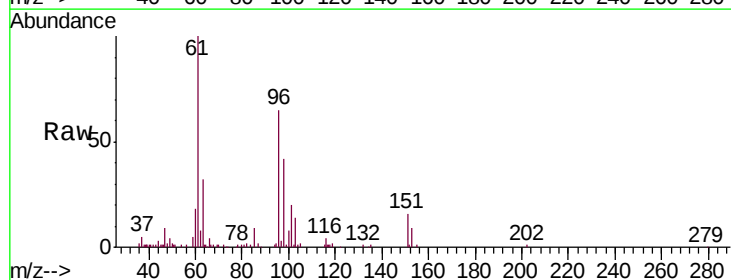
Instrument :
MSVOA_W
ClientSampleId :
VW0114SBSD01

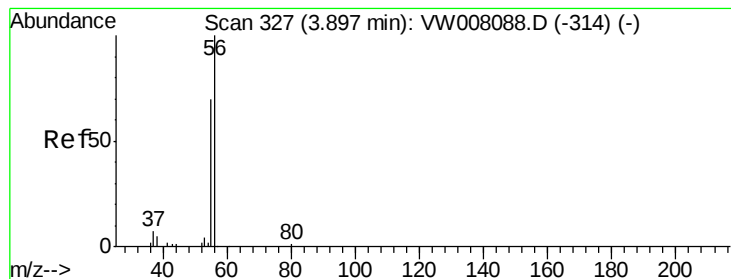
Tgt Ion: 59 Resp: 5840
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0



#12
1,1-Dichloroethene
Concen: 20.122 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.00 min
Lab File: VW008241.D
Acq: 14 Jan 2019 12:38

Tgt Ion: 96 Resp: 23699
Ion Ratio Lower Upper
96 100
61 154.1 135.4 203.2
98 64.7 52.5 78.7





#13

Acrolein

Concen: 77.079 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.01 min

Lab File: VW008241.D

Acq: 14 Jan 2019 12:38

Instrument :

MSVOA_W

ClientSampleId :

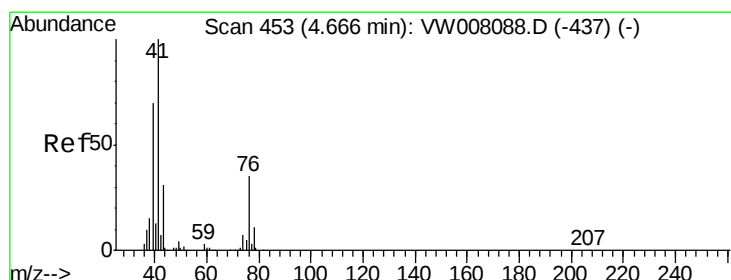
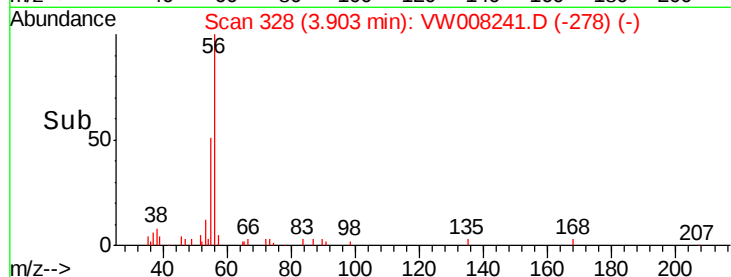
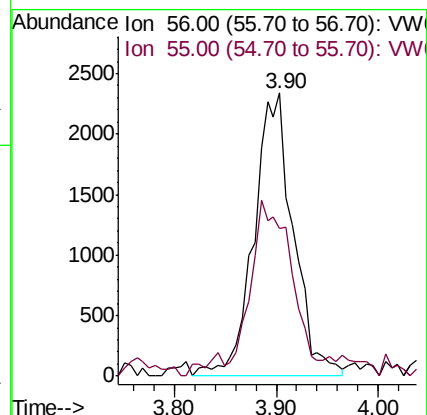
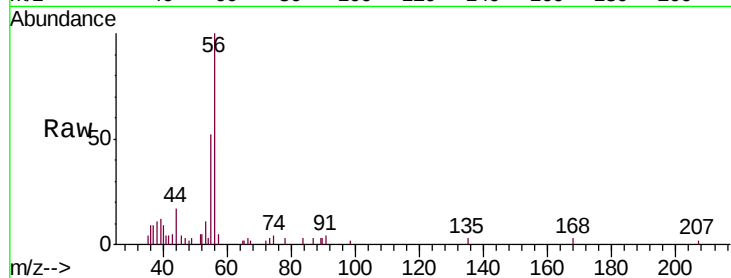
VW0114SBSD01

Tgt Ion: 56 Resp: 6286

Ion Ratio Lower Upper

56 100

55 56.2 56.6 84.8#



#14

Allyl chloride

Concen: 18.343 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW008241.D

Acq: 14 Jan 2019 12:38

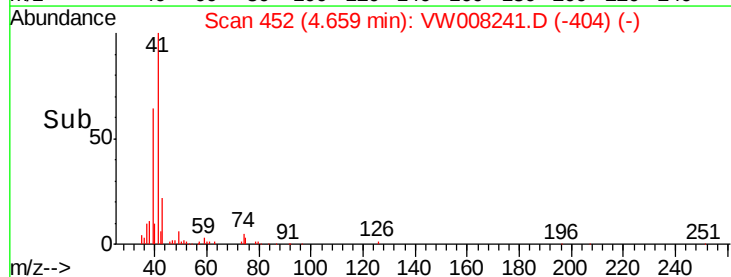
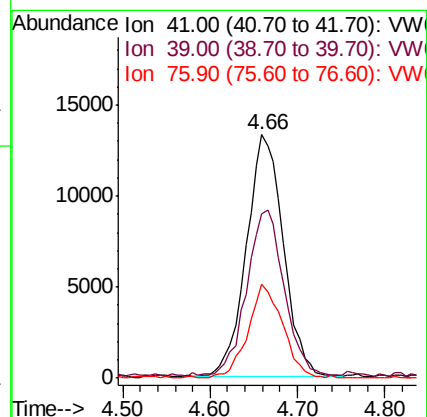
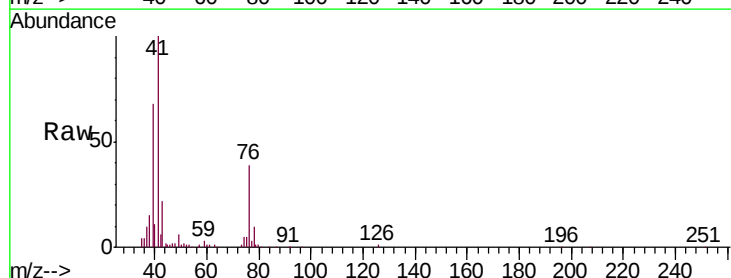
Tgt Ion: 41 Resp: 39224

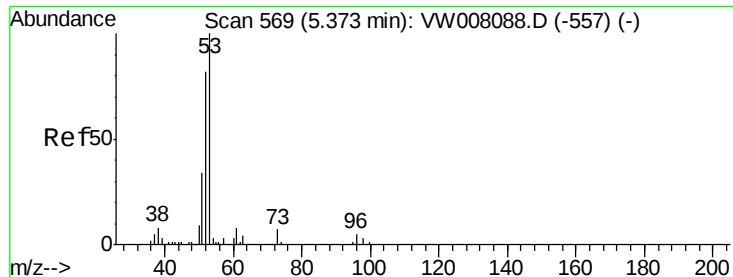
Ion Ratio Lower Upper

41 100

39 69.9 53.8 80.8

76 36.1 27.6 41.4





#15

Acrylonitrile

Concen: 94.594 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.01 min

Lab File: VW008241.D

Acq: 14 Jan 2019 12:38

Instrument :

MSVOA_W

ClientSampleId :

VW0114SBSD01

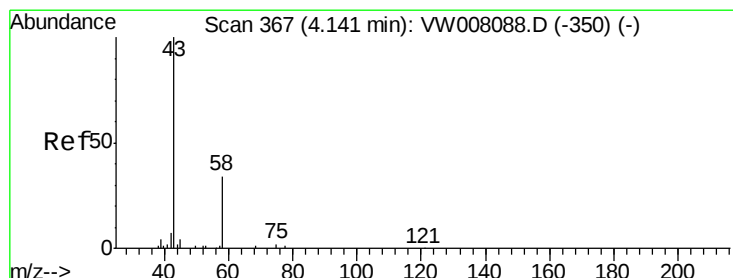
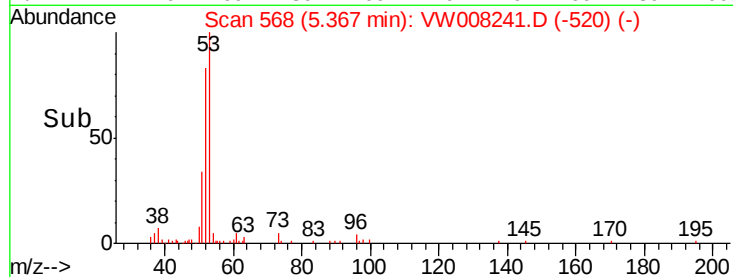
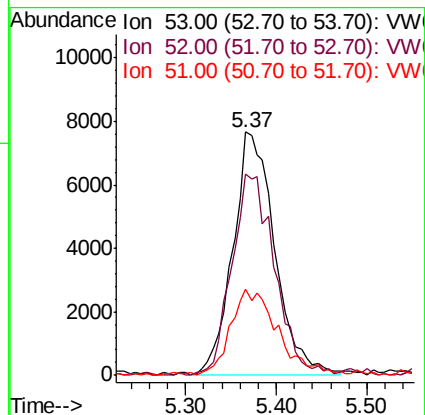
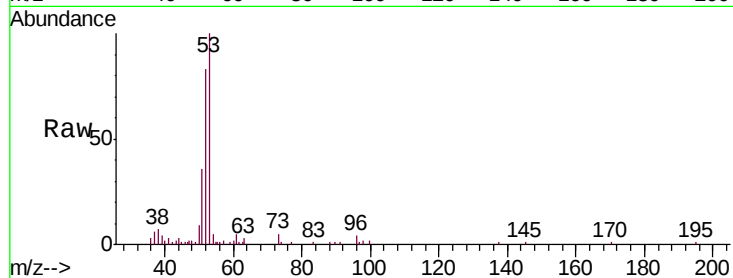
Tgt Ion: 53 Resp: 24599

Ion Ratio Lower Upper

53 100

52 84.4 66.8 100.2

51 39.7 29.7 44.5



#16

Acetone

Concen: 106.963 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.00 min

Lab File: VW008241.D

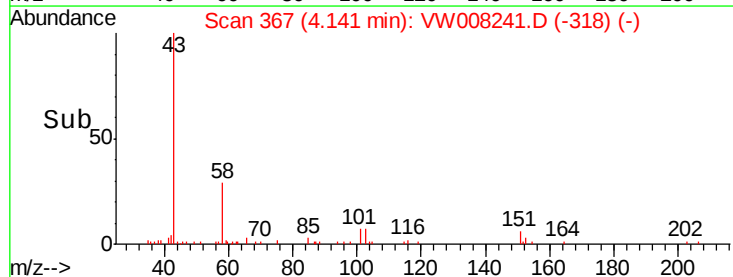
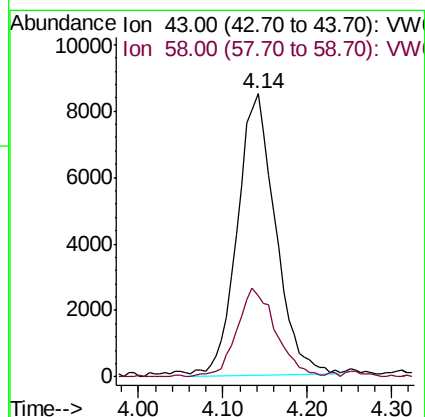
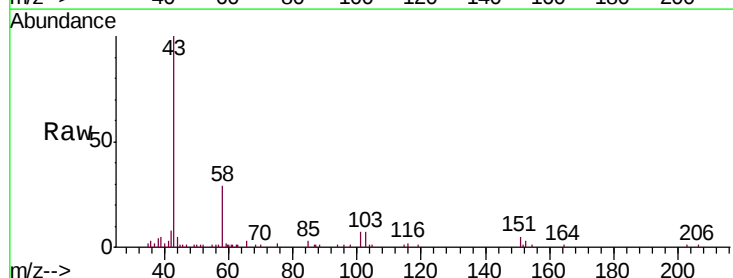
Acq: 14 Jan 2019 12:38

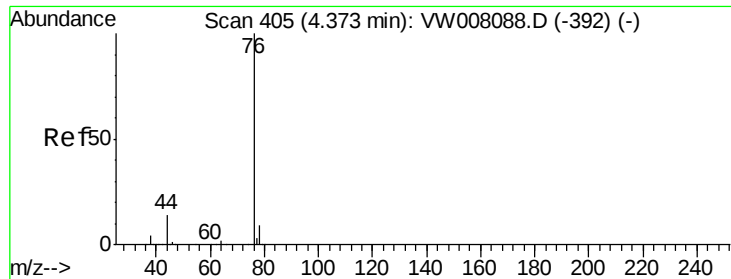
Tgt Ion: 43 Resp: 25869

Ion Ratio Lower Upper

43 100

58 29.2 27.5 41.3

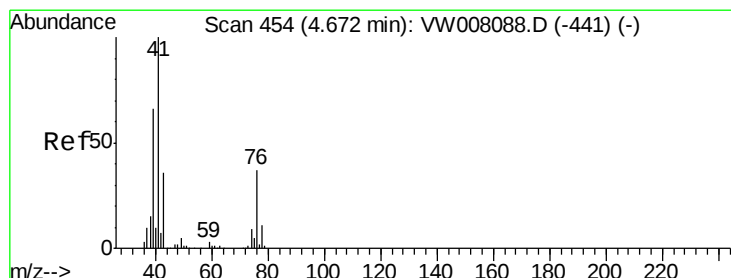
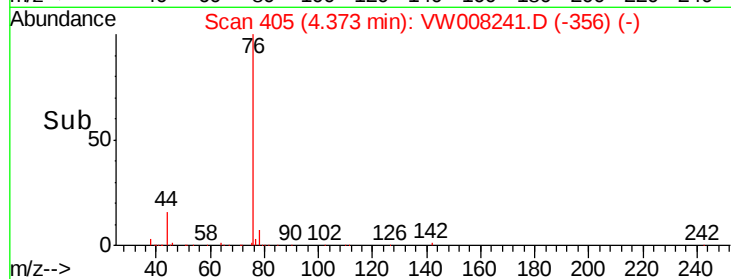
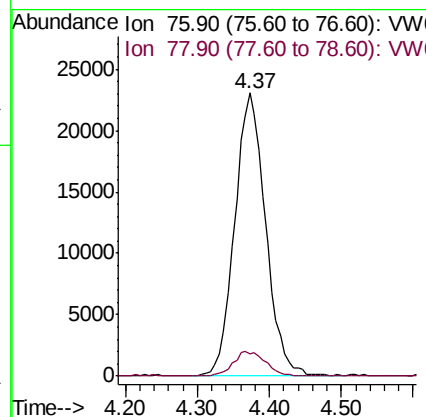
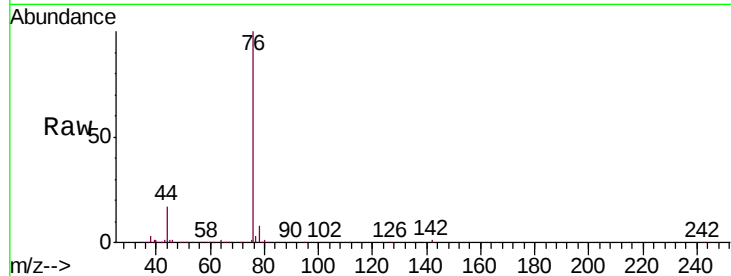




#17
Carbon Disulfide
Concen: 18.665 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW008241.D
Acq: 14 Jan 2019 12:38

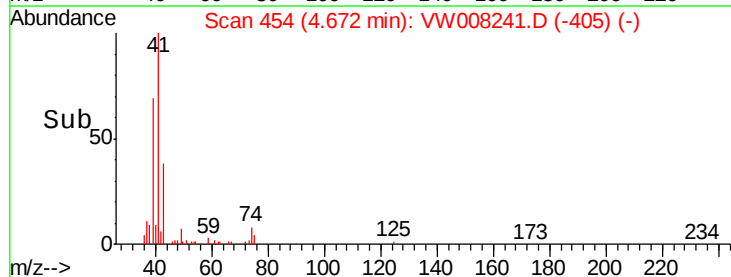
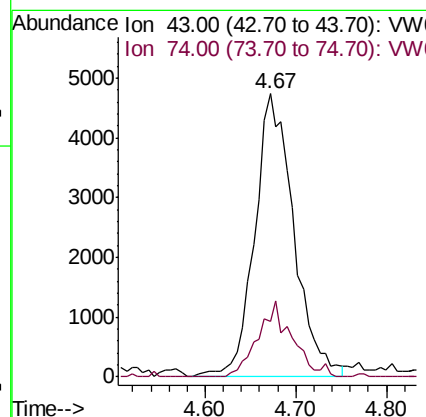
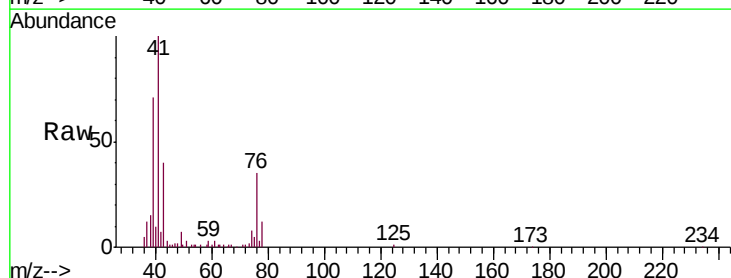
Instrument :
MSVOA_W
ClientSampleId :
VW0114SBSD01

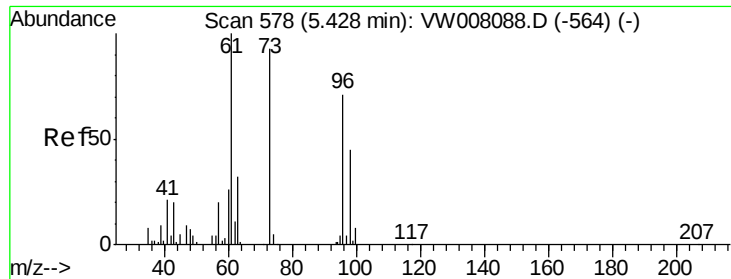
Tgt Ion: 76 Resp: 68673
Ion Ratio Lower Upper
76 100
78 7.9 7.0 10.6



#18
Methyl Acetate
Concen: 18.489 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW008241.D
Acq: 14 Jan 2019 12:38

Tgt Ion: 43 Resp: 14125
Ion Ratio Lower Upper
43 100
74 23.5 19.0 28.4

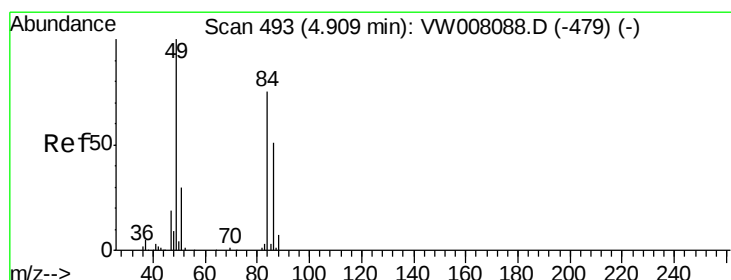
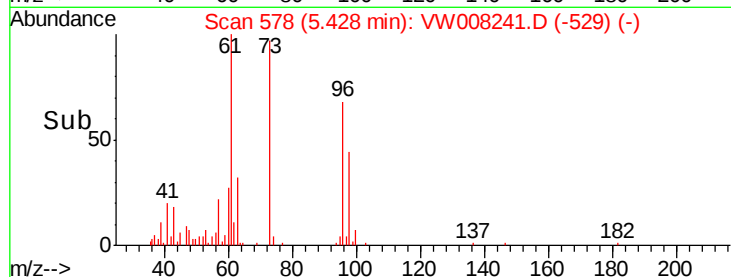
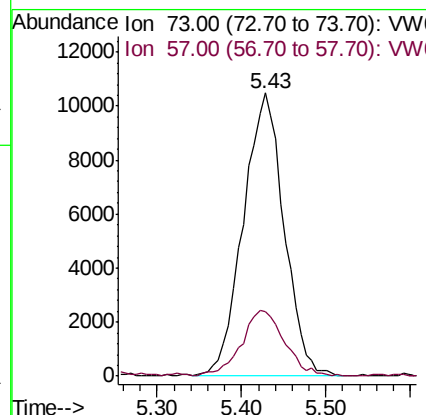
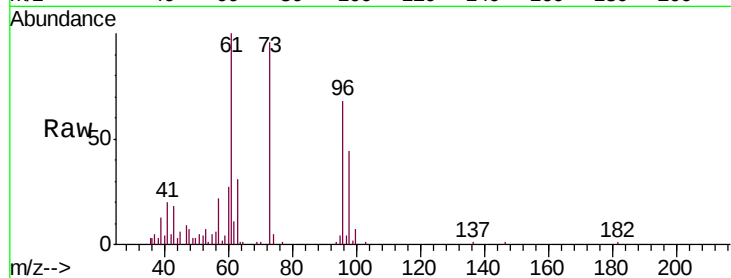




#19
Methyl tert-butyl Ether
Concen: 18.034 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW008241.D
Acq: 14 Jan 2019 12:38

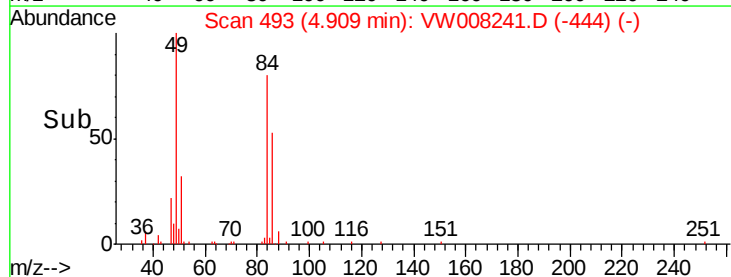
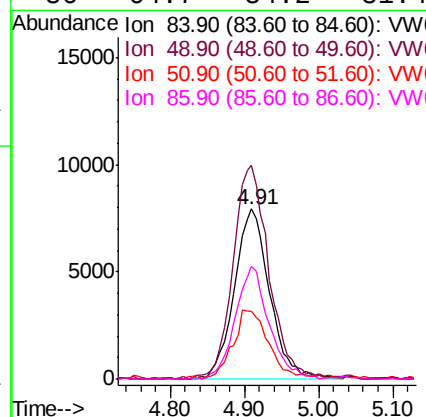
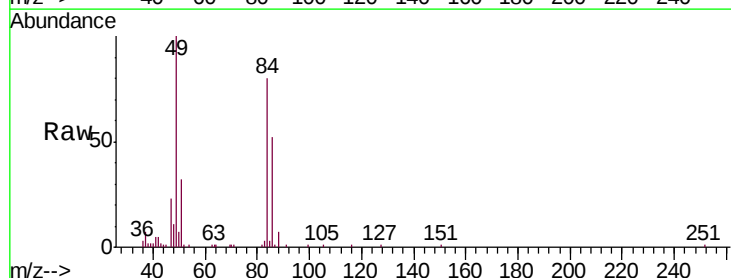
Instrument :
MSVOA_W
ClientSampleId :
VW0114SBSD01

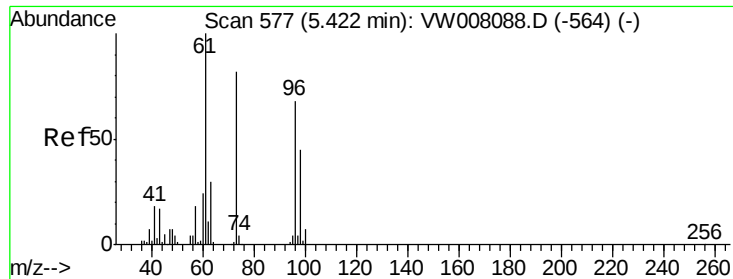
Tgt Ion: 73 Resp: 34530
Ion Ratio Lower Upper
73 100
57 23.0 16.7 25.1



#20
Methylene Chloride
Concen: 19.119 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW008241.D
Acq: 14 Jan 2019 12:38

Tgt Ion: 84 Resp: 26287
Ion Ratio Lower Upper
84 100
49 124.8 107.1 160.7
51 39.4 32.4 48.6
86 64.7 54.2 81.4





#21

trans-1,2-Dichloroethene

Concen: 19.473 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW008241.D

Acq: 14 Jan 2019 12:38

Instrument :

MSVOA_W

ClientSampleId :

VW0114SBSD01

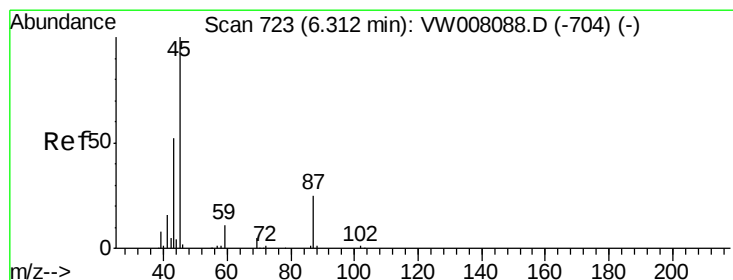
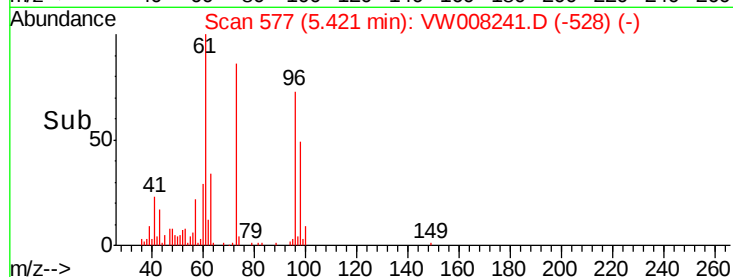
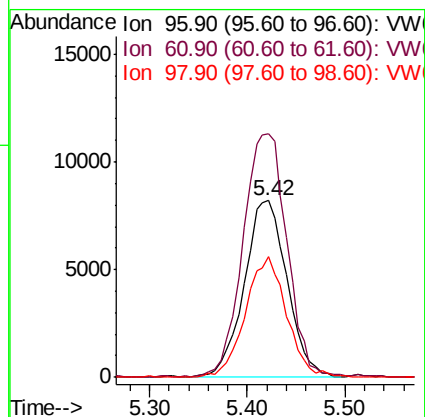
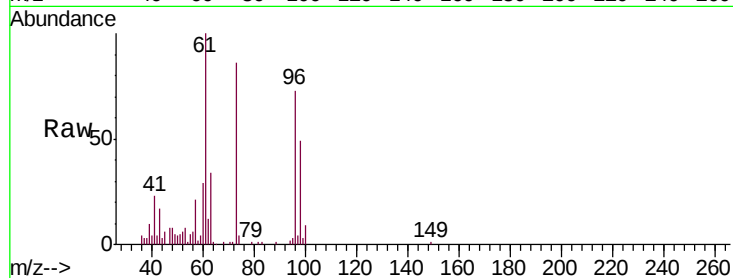
Tgt Ion: 96 Resp: 24923

Ion Ratio Lower Upper

96 100

61 137.6 117.4 176.0

98 68.0 52.2 78.4



#22

Diisopropyl ether

Concen: 18.268 ug/l

RT: 6.32 min Scan# 724

Delta R.T. 0.01 min

Lab File: VW008241.D

Acq: 14 Jan 2019 12:38

Tgt Ion: 45 Resp: 74500

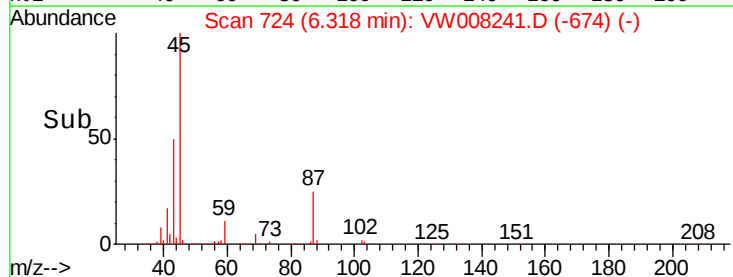
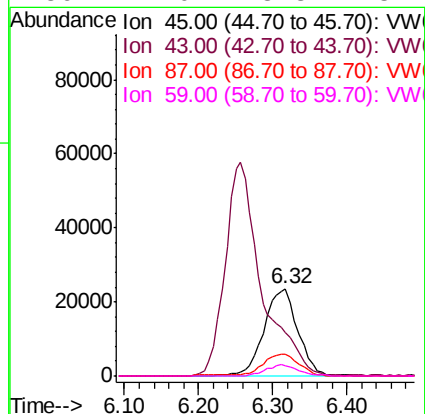
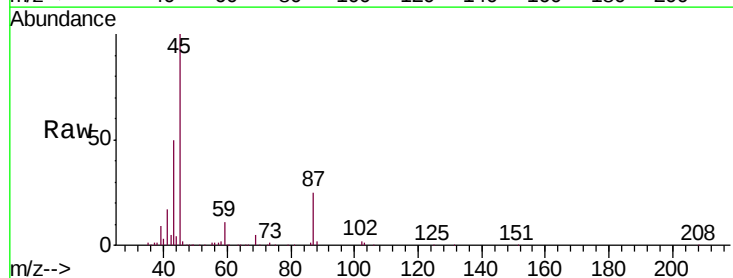
Ion Ratio Lower Upper

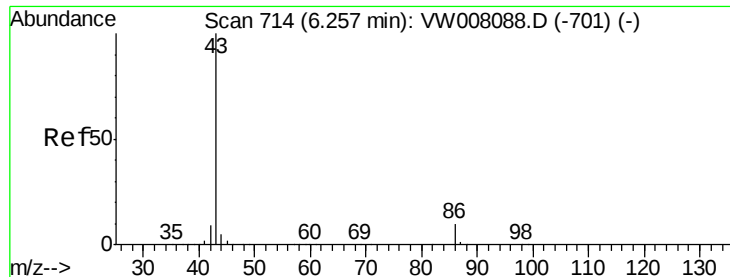
45 100

43 49.6 41.7 62.5

87 25.0 20.1 30.1

59 11.0 8.8 13.2





#23

Vinyl Acetate

Concen: 91.313 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW008241.D

Acq: 14 Jan 2019 12:38

Instrument :

MSVOA_W

ClientSampleId :

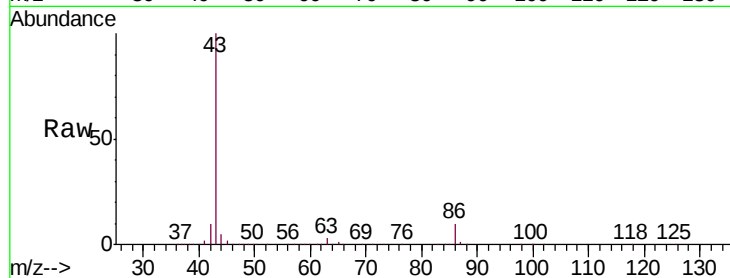
VW0114SBSD01

Tgt Ion: 43 Resp: 195579

Ion Ratio Lower Upper

43 100

86 10.3 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

60000

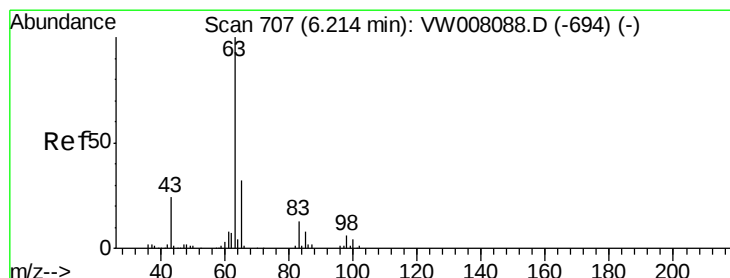
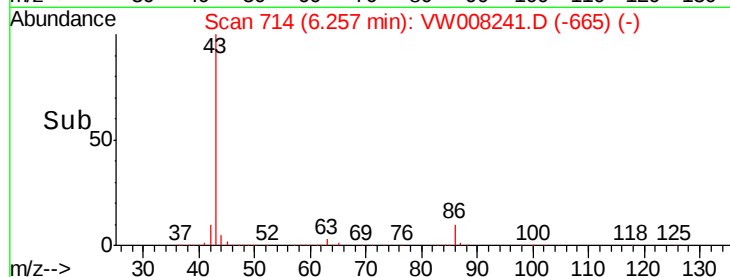
40000

20000

0

Time-->

6.10 6.20 6.30 6.40



#24

1,1-Dichloroethane

Concen: 18.729 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW008241.D

Acq: 14 Jan 2019 12:38

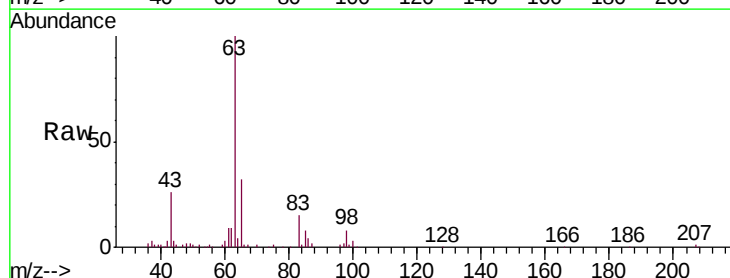
Tgt Ion: 63 Resp: 44503

Ion Ratio Lower Upper

63 100

98 8.0 3.2 9.6

100 3.1 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

20000

15000

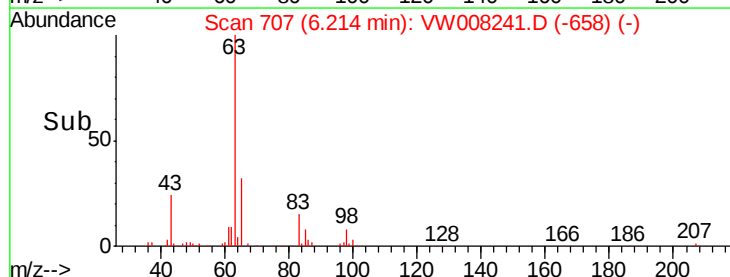
10000

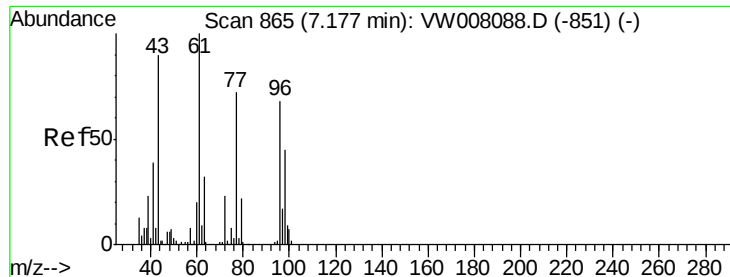
5000

0

Time-->

6.10 6.20 6.30





#25

2-Butanone

Concen: 94.339 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.00 min

Lab File: VW008241.D

Acq: 14 Jan 2019 12:38

Instrument :

MSVOA_W

ClientSampleId :

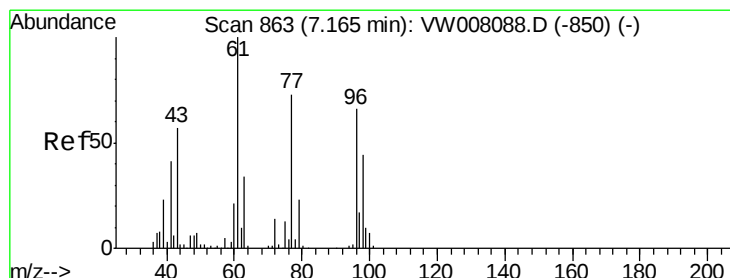
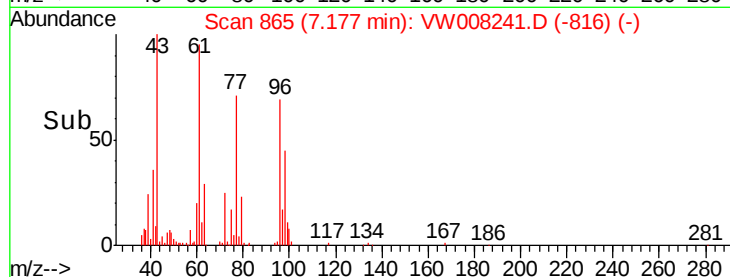
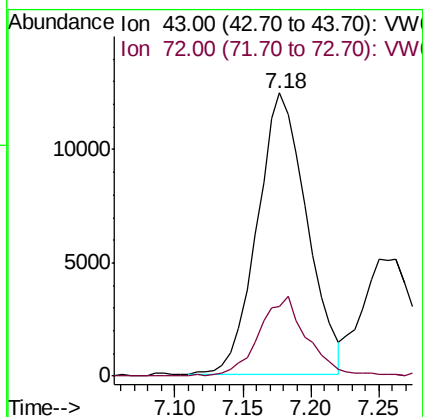
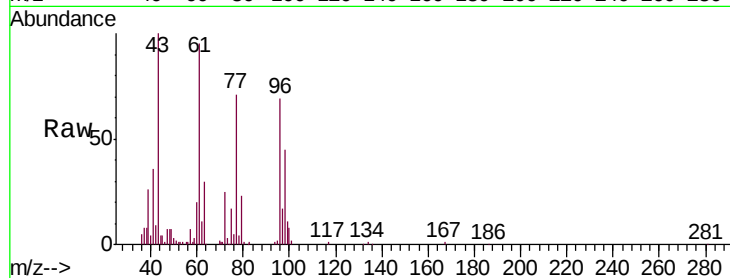
VW0114SBSD01

Tgt Ion: 43 Resp: 31727

Ion Ratio Lower Upper

43 100

72 24.9 20.5 30.7



#26

2,2-Dichloropropane

Concen: 19.372 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW008241.D

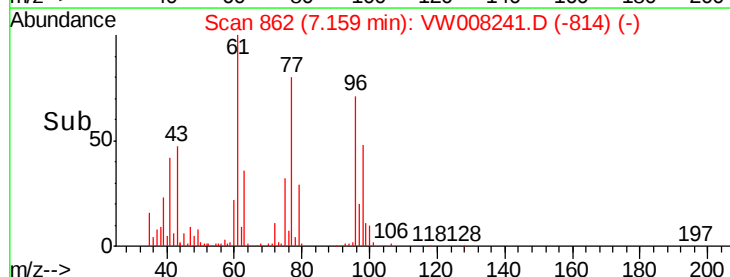
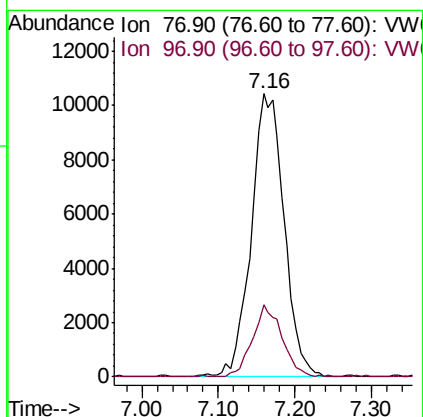
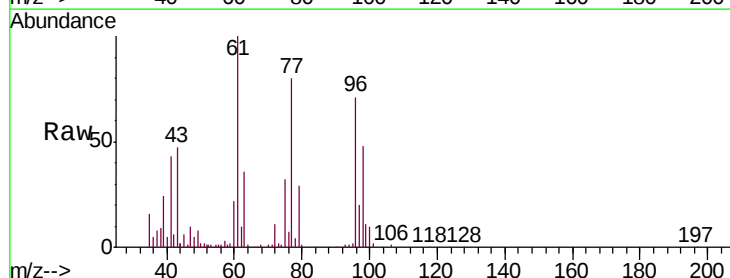
Acq: 14 Jan 2019 12:38

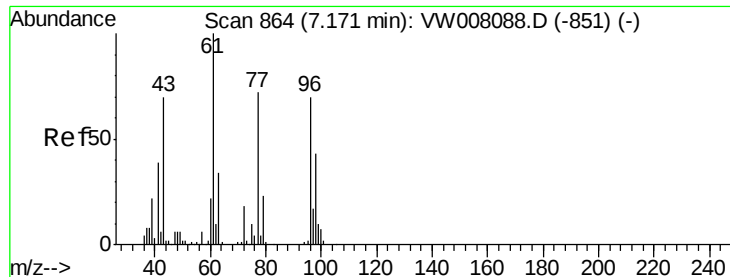
Tgt Ion: 77 Resp: 31189

Ion Ratio Lower Upper

77 100

97 22.9 11.4 34.1



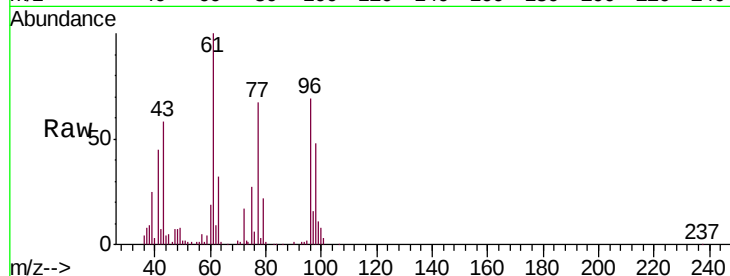


#27

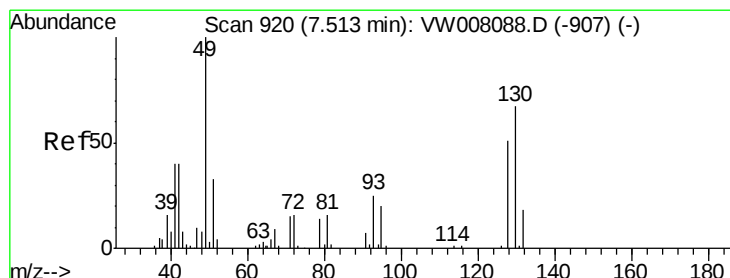
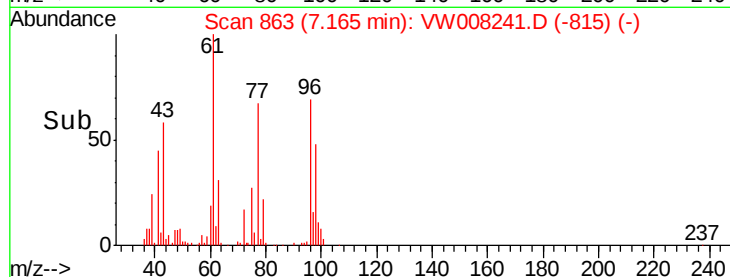
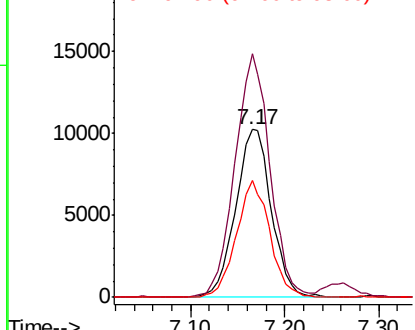
cis-1,2-Dichloroethene
 Concen: 19.392 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW008241.D
 Acq: 14 Jan 2019 12:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0114SBSD01

Tgt Ion: 96 Resp: 27080
 Ion Ratio Lower Upper
 96 100
 61 142.3 0.0 300.4
 98 65.3 0.0 128.4



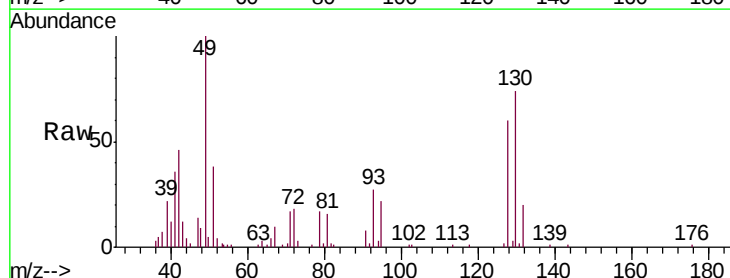
Abundance Ion 95.90 (95.60 to 96.60): VW
 20000 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



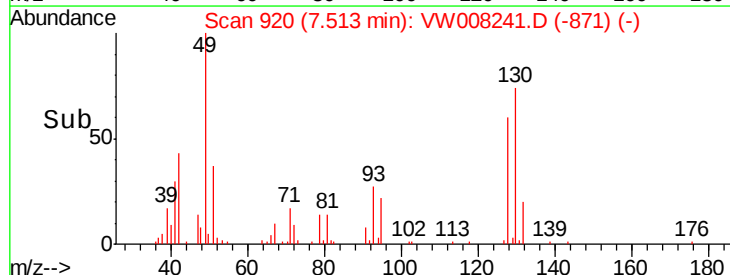
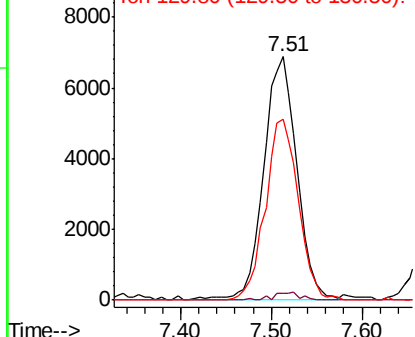
#28

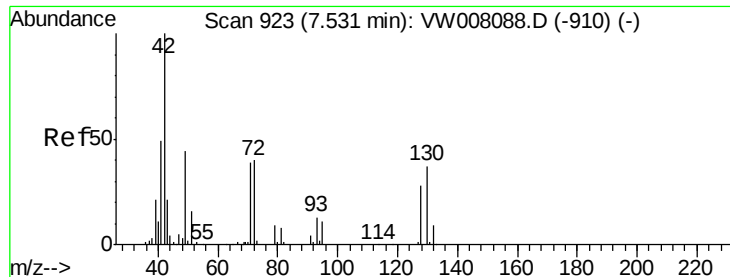
Bromochloromethane
 Concen: 18.541 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW008241.D
 Acq: 14 Jan 2019 12:38

Tgt Ion: 49 Resp: 17426
 Ion Ratio Lower Upper
 49 100
 129 2.4 0.0 2.8
 130 73.7 54.3 81.5



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

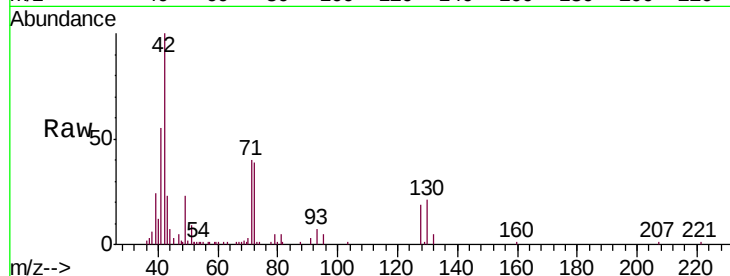




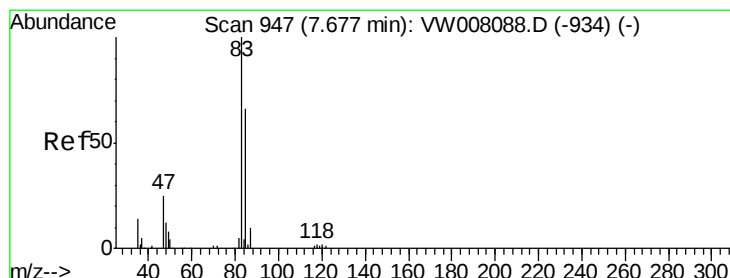
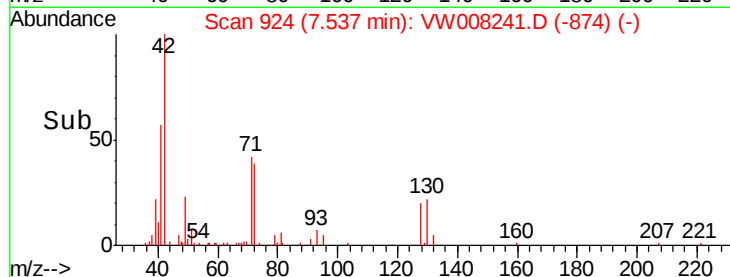
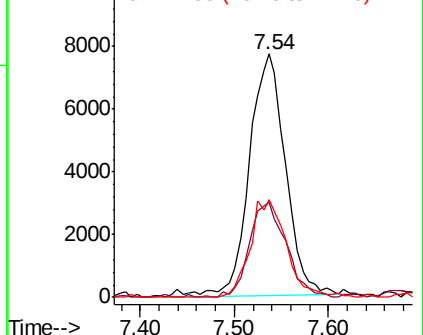
#29
Tetrahydrofuran
Concen: 92.161 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW008241.D
Acq: 14 Jan 2019 12:38

Instrument :
MSVOA_W
ClientSampleId :
VW0114SBSD01

Tgt Ion: 42 Resp: 20704
Ion Ratio Lower Upper
42 100
72 40.0 32.4 48.6
71 41.1 31.3 46.9

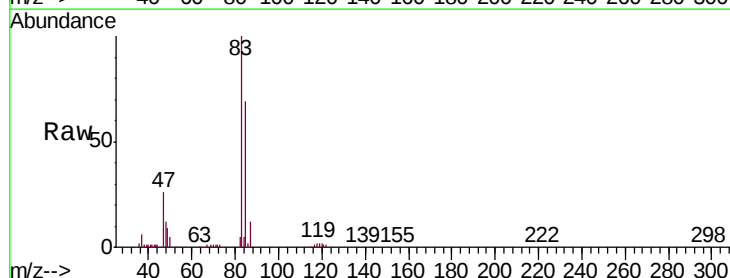


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

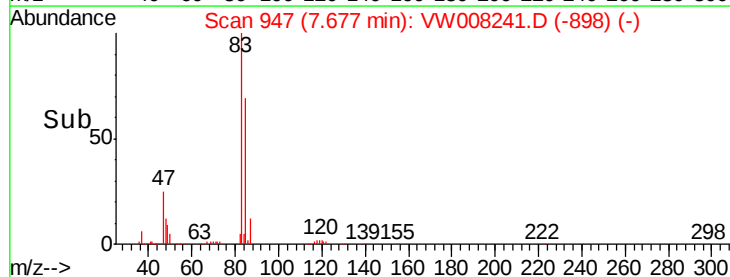
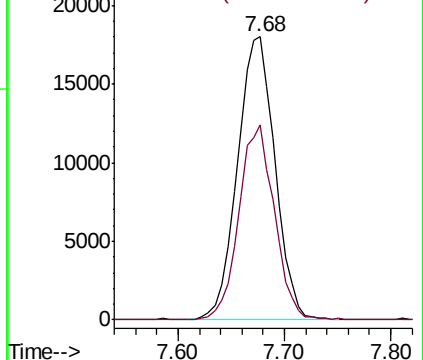


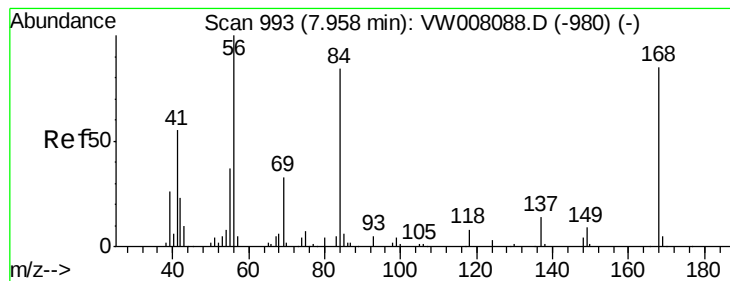
#30
Chloroform
Concen: 19.705 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW008241.D
Acq: 14 Jan 2019 12:38

Tgt Ion: 83 Resp: 44569
Ion Ratio Lower Upper
83 100
85 69.0 53.2 79.8



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





#31

Cyclohexane

Concen: 17.365 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW008241.D

Acq: 14 Jan 2019 12:38

Instrument :

MSVOA_W

ClientSampleId :

VW0114SBSD01

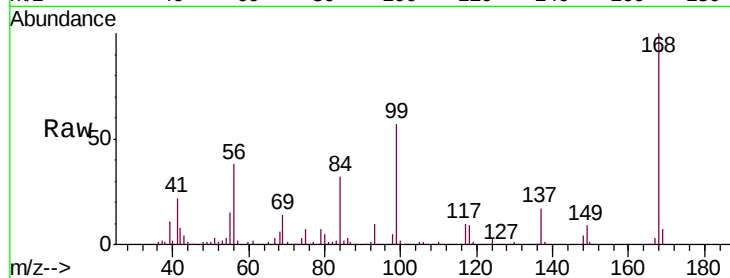
Tgt Ion: 56 Resp: 44172

Ion Ratio Lower Upper

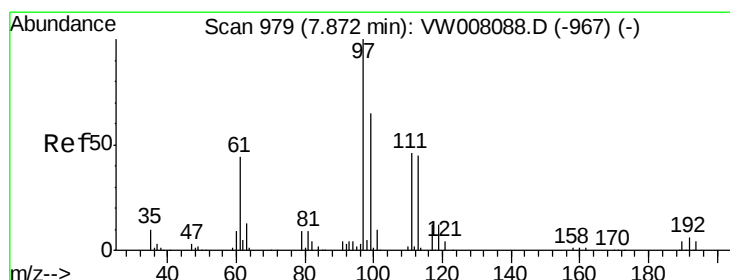
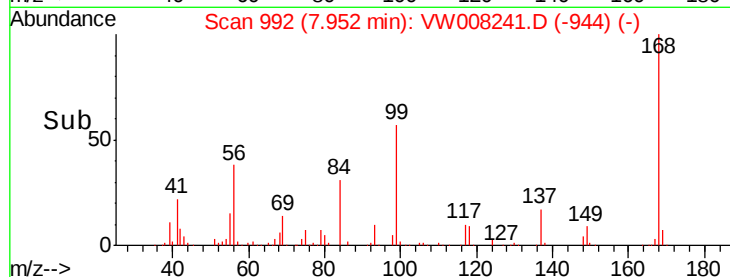
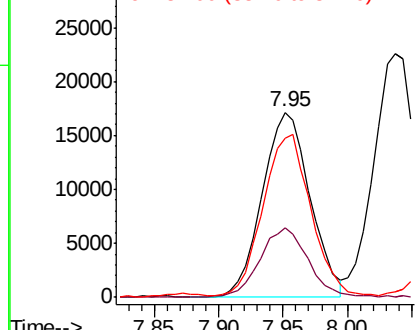
56 100

69 37.6 26.2 39.4

84 84.2 67.4 101.2



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



#32

1,1,1-Trichloroethane

Concen: 19.580 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW008241.D

Acq: 14 Jan 2019 12:38

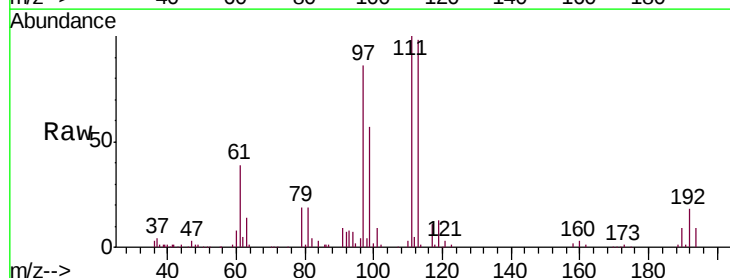
Tgt Ion: 97 Resp: 38534

Ion Ratio Lower Upper

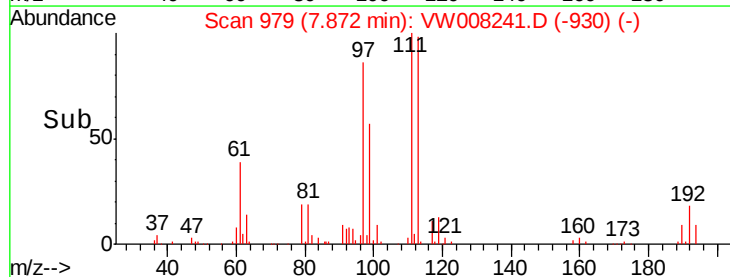
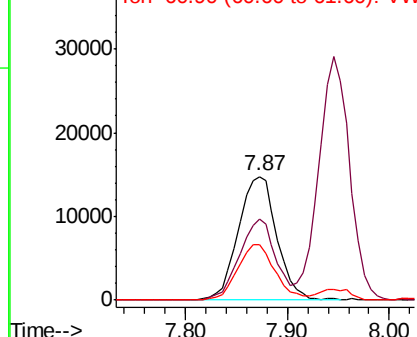
97 100

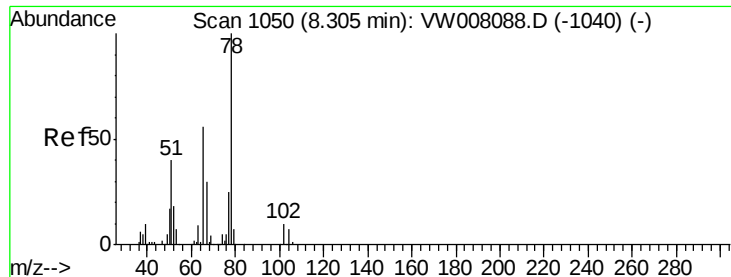
99 61.4 51.4 77.0

61 42.8 35.6 53.4



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

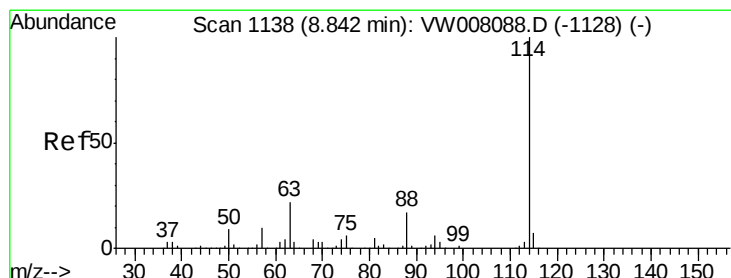
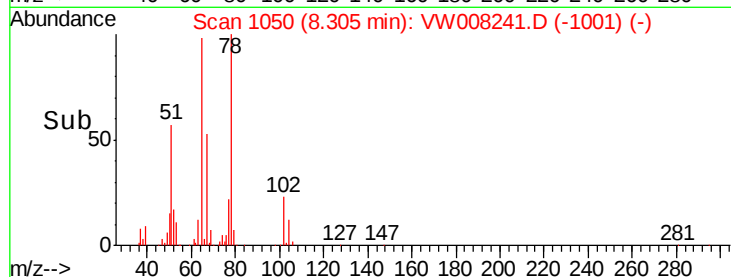
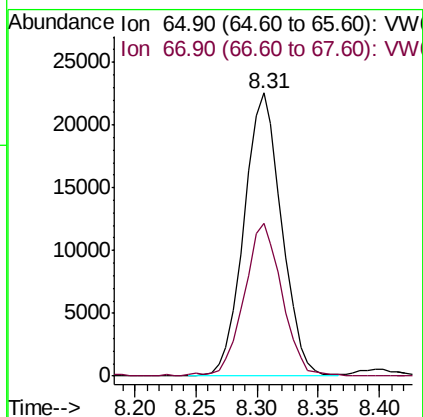
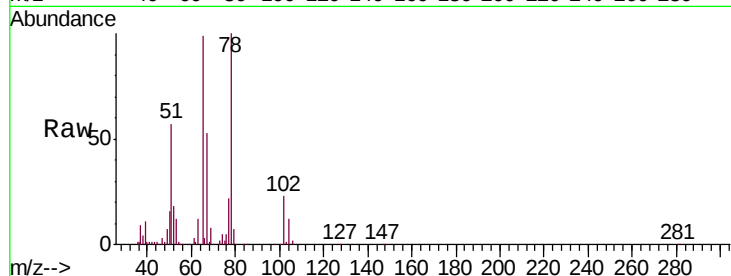




#33
 1,2-Dichloroethane-d4
 Concen: 39.981 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW008241.D
 Acq: 14 Jan 2019 12:38

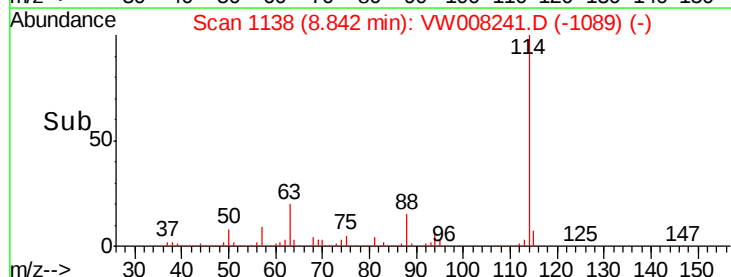
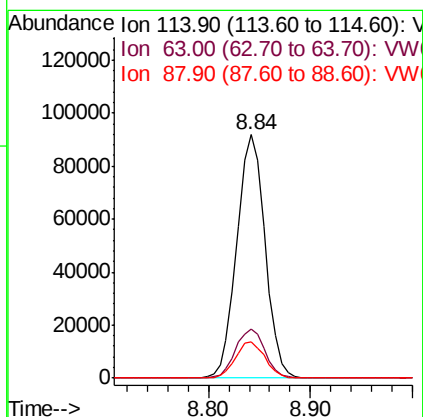
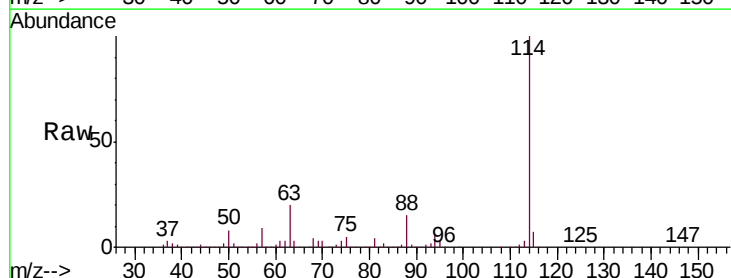
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0114SBSD01

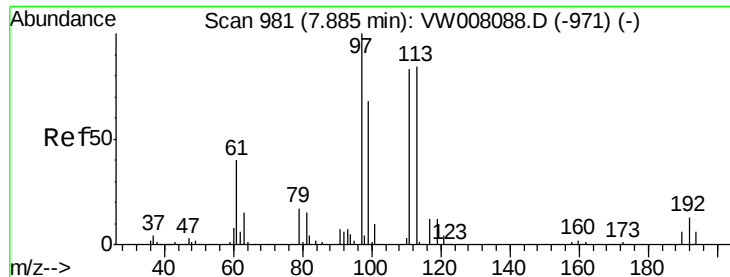
Tgt Ion: 65 Resp: 48326
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008241.D
 Acq: 14 Jan 2019 12:38

Tgt Ion: 114 Resp: 176219
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 43.4
 88 15.0 0.0 33.4





#35

Dibromofluoromethane

Concen: 47.495 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW008241.D

Acq: 14 Jan 2019 12:38

Instrument :

MSVOA_W

ClientSampleId :

VW0114SBSD01

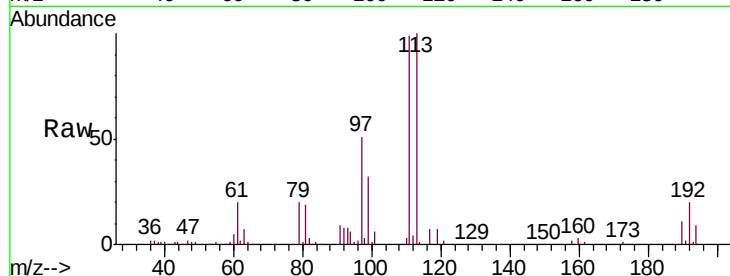
Tgt Ion:113 Resp: 48814

Ion Ratio Lower Upper

113 100

111 102.5 81.8 122.8

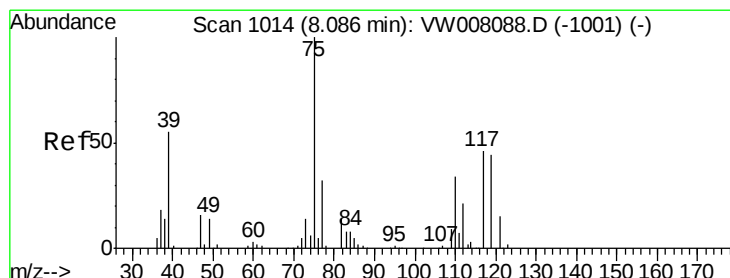
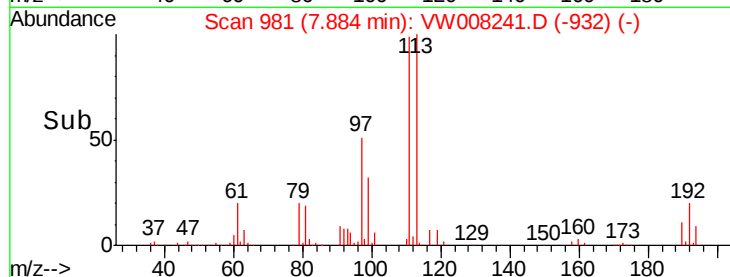
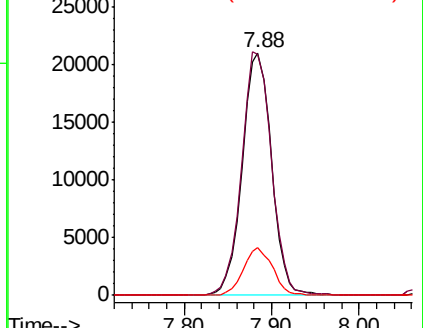
192 19.5 12.8 19.2#



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.218 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VW008241.D

Acq: 14 Jan 2019 12:38

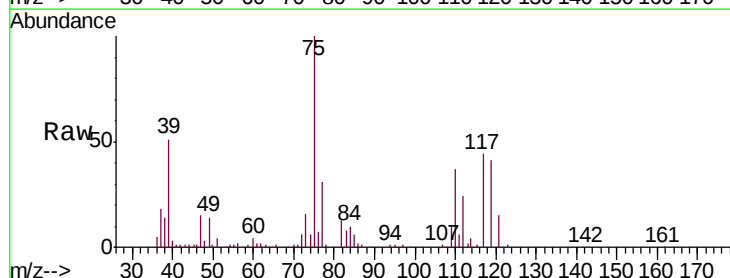
Tgt Ion: 75 Resp: 36700

Ion Ratio Lower Upper

75 100

110 35.9 17.1 51.3

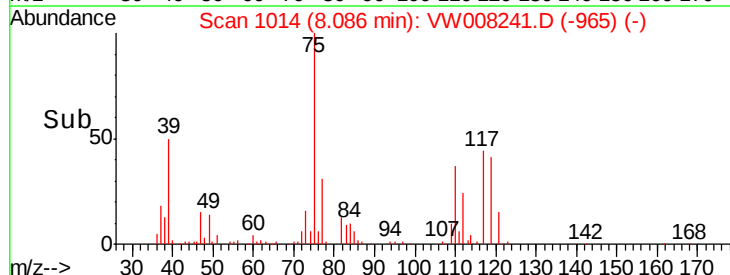
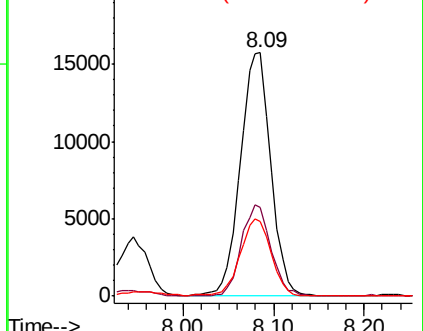
77 32.3 25.5 38.3

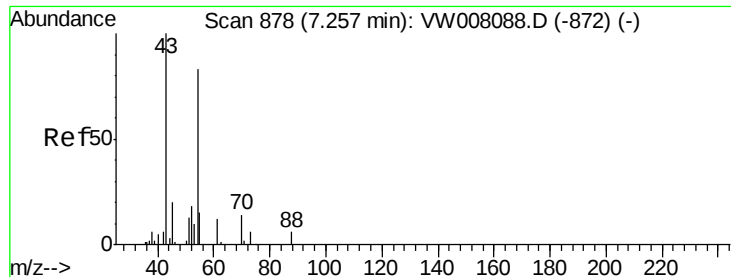


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

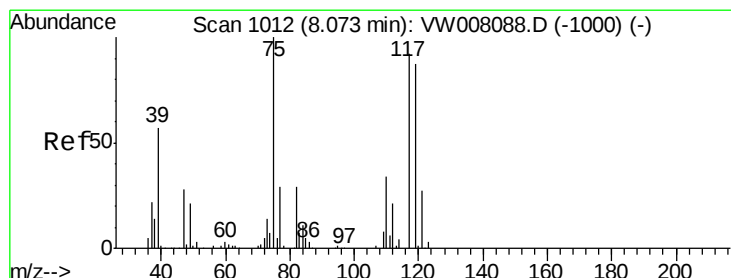
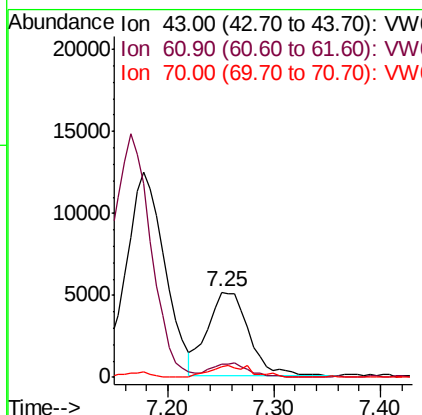
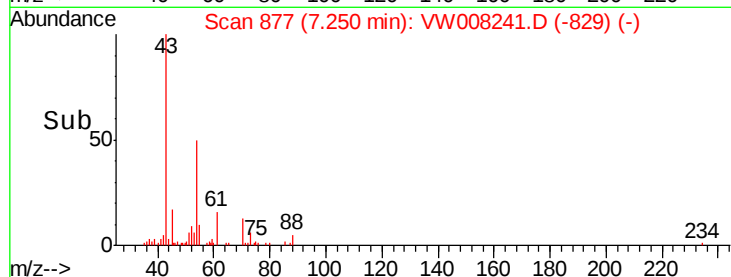
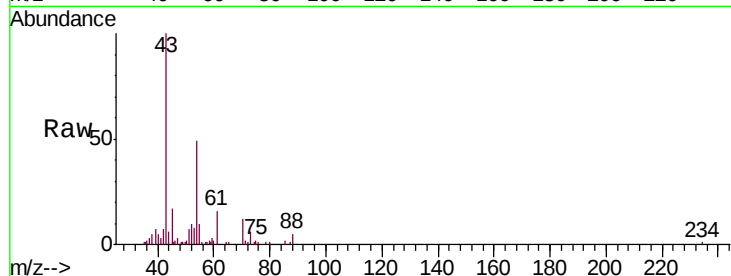




#37
Ethyl Acetate
Concen: 18.877 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.01 min
Lab File: VW008241.D
Acq: 14 Jan 2019 12:38

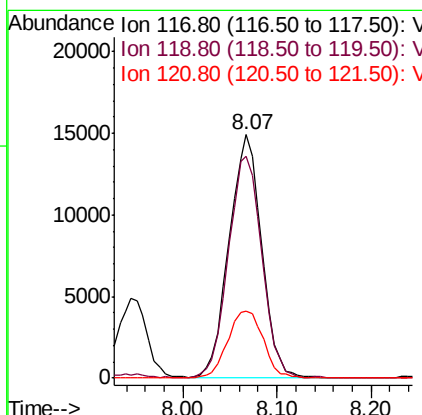
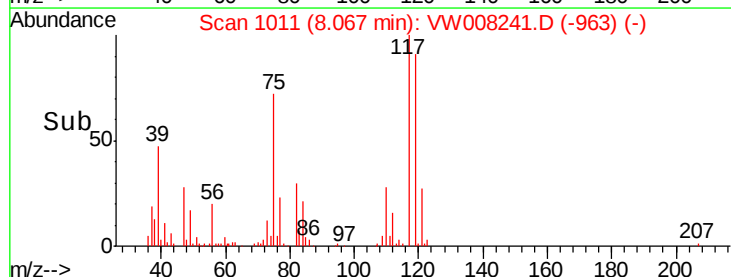
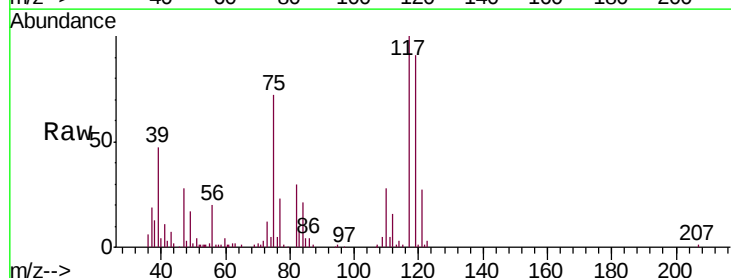
Instrument :
MSVOA_W
ClientSampleId :
VW0114SBSD01

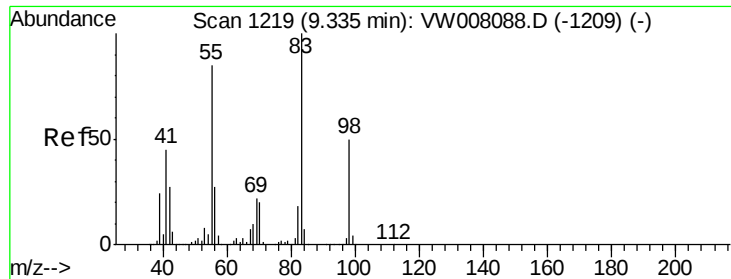
Tgt Ion: 43 Resp: 13728
Ion Ratio Lower Upper
43 100
61 15.3 10.6 16.0
70 14.4 8.9 13.3#



#38
Carbon Tetrachloride
Concen: 21.576 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW008241.D
Acq: 14 Jan 2019 12:38

Tgt Ion: 117 Resp: 35848
Ion Ratio Lower Upper
117 100
119 91.1 75.8 113.8
121 27.5 23.7 35.5

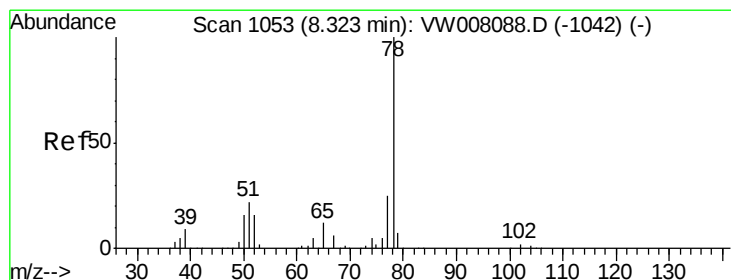
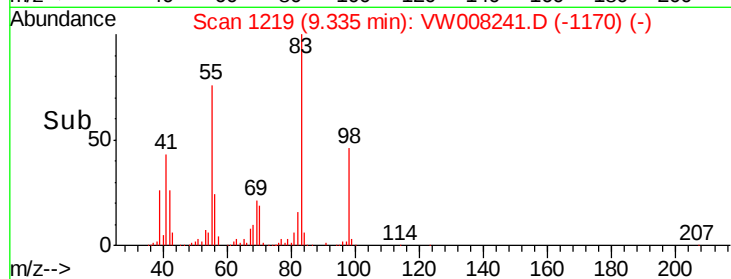
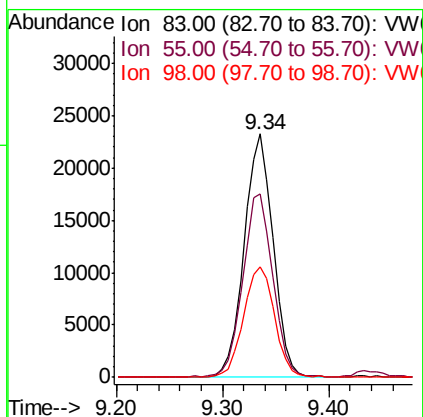
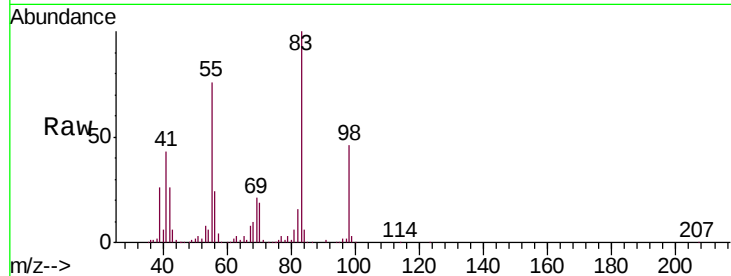




#39
Methylcyclohexane
Concen: 19.405 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW008241.D
Acq: 14 Jan 2019 12:38

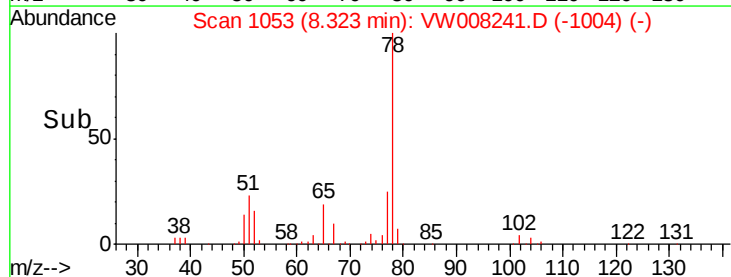
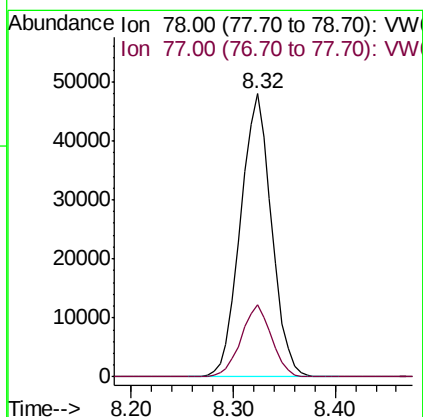
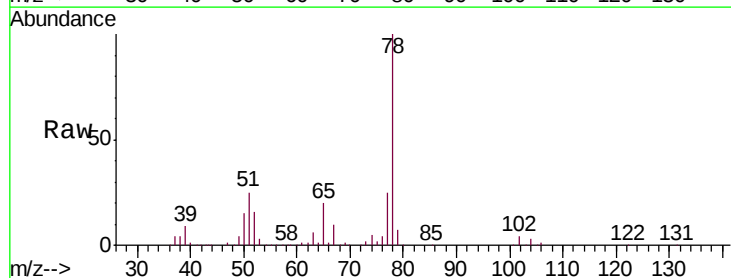
Instrument :
MSVOA_W
ClientSampleId :
VW0114SBSD01

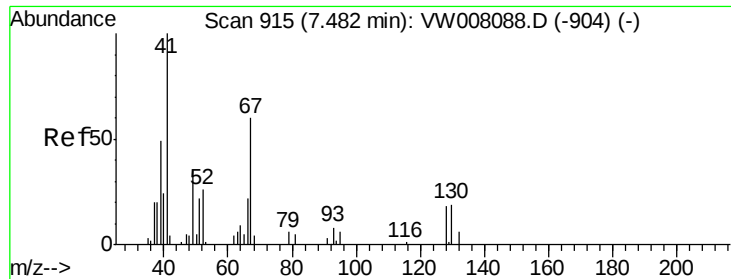
Tgt Ion: 83 Resp: 44664
Ion Ratio Lower Upper
83 100
55 75.6 67.8 101.6
98 45.5 40.2 60.4



#40
Benzene
Concen: 20.604 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW008241.D
Acq: 14 Jan 2019 12:38

Tgt Ion: 78 Resp: 101444
Ion Ratio Lower Upper
78 100
77 25.3 20.2 30.4

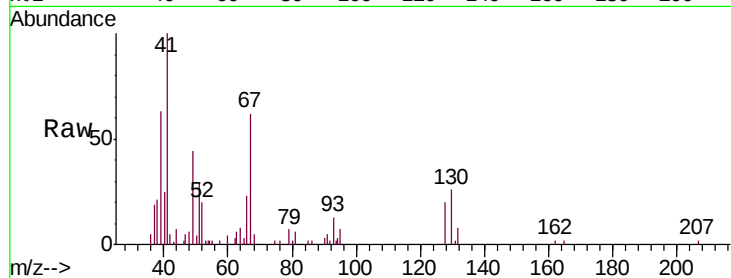




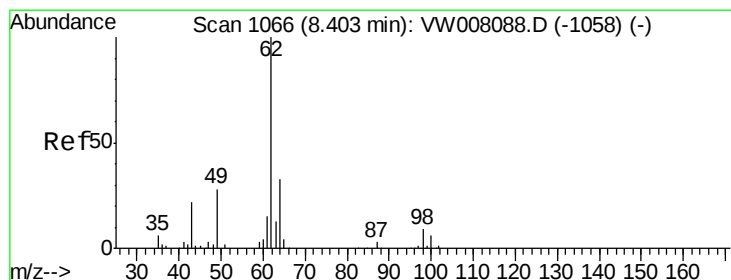
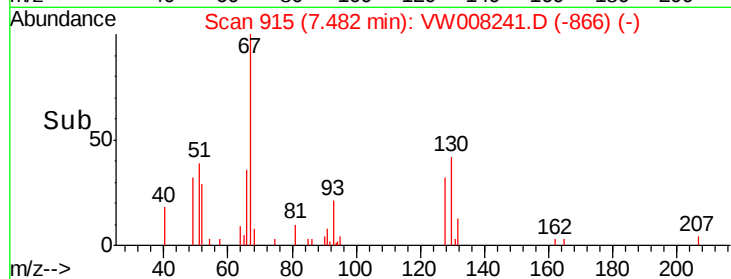
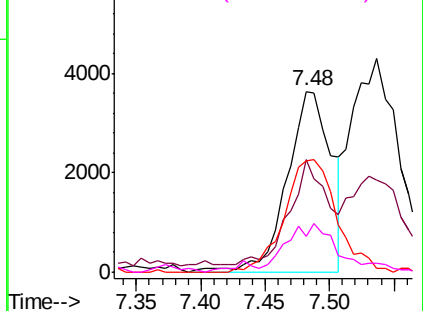
#41
Methacrylonitrile
Concen: 18.934 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW008241.D
Acq: 14 Jan 2019 12:38

Instrument :
MSVOA_W
ClientSampleId :
VW0114SBSD01

Tgt Ion:	41	Resp:	8698
Ion	Ratio	Lower	Upper
41	100		
39	55.9	47.9	71.9
67	73.1	56.3	84.5
52	32.1	24.5	36.7

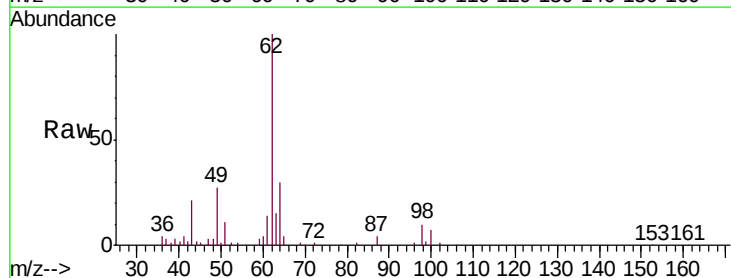


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

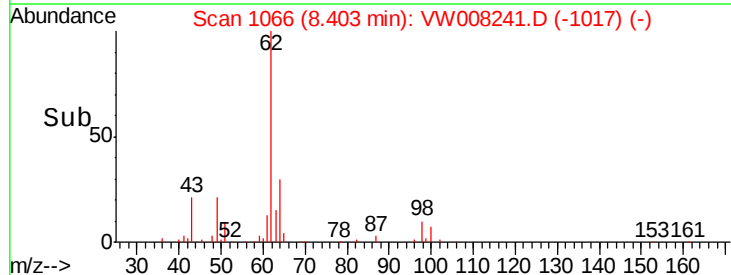
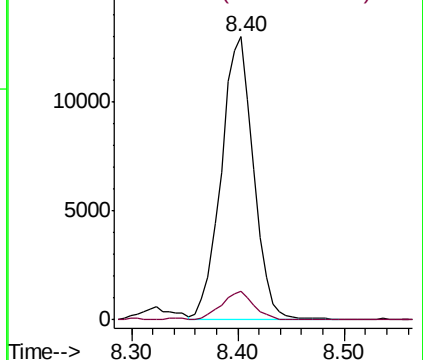


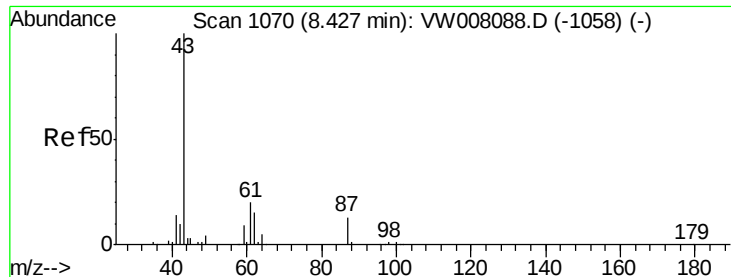
#42
1,2-Dichloroethane
Concen: 19.898 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW008241.D
Acq: 14 Jan 2019 12:38

Tgt Ion:	62	Resp:	27554
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	18.6



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





#43

Isopropyl Acetate

Concen: 18.923 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW008241.D

Acq: 14 Jan 2019 12:38

Instrument :

MSVOA_W

ClientSampleId :

VW0114SBSD01

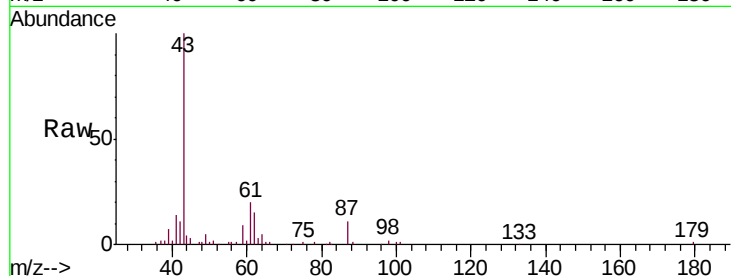
Tgt Ion: 43 Resp: 27515

Ion Ratio Lower Upper

43 100

61 30.6 24.8 37.2

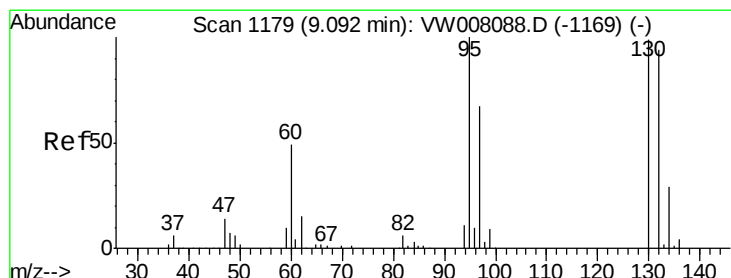
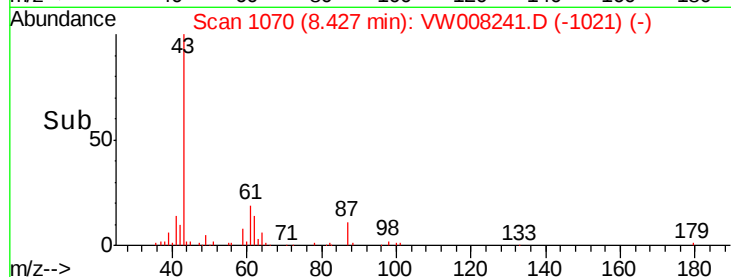
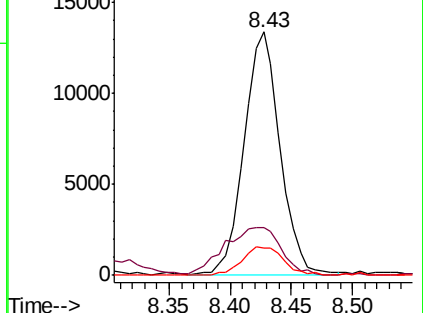
87 13.6 10.4 15.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 21.689 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW008241.D

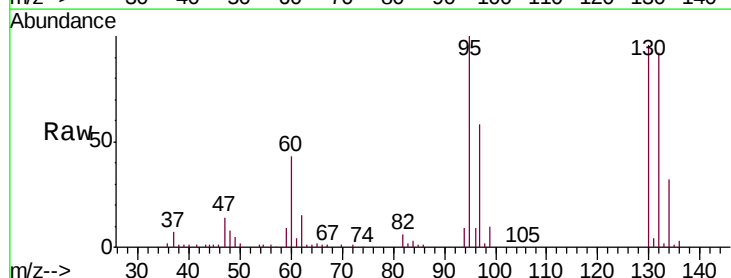
Acq: 14 Jan 2019 12:38

Tgt Ion: 130 Resp: 27336

Ion Ratio Lower Upper

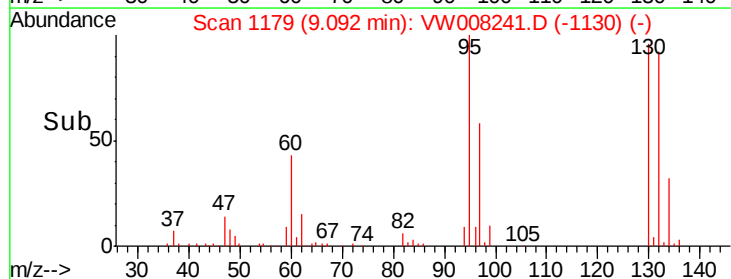
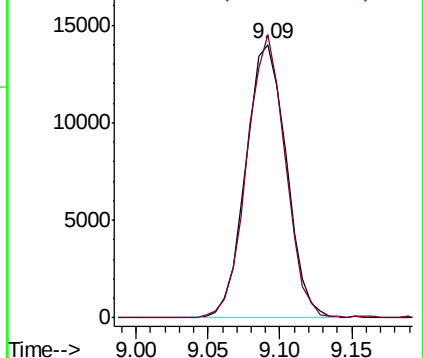
130 100

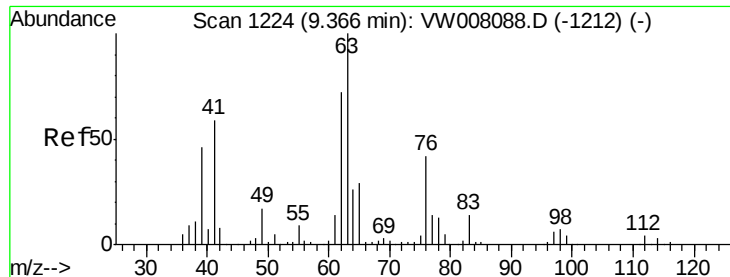
95 103.6 0.0 202.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 20.781 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VW008241.D

Acq: 14 Jan 2019 12:38

Instrument :

MSVOA_W

ClientSampleId :

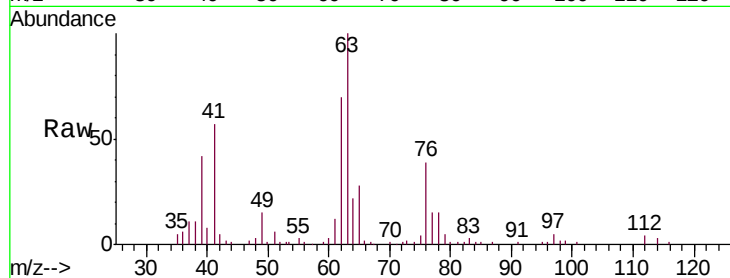
VW0114SBSD01

Tgt Ion: 63 Resp: 25369

Ion Ratio Lower Upper

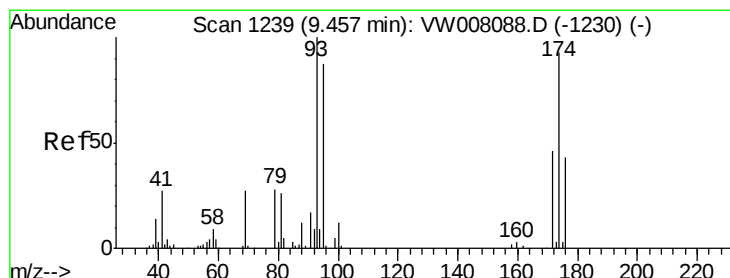
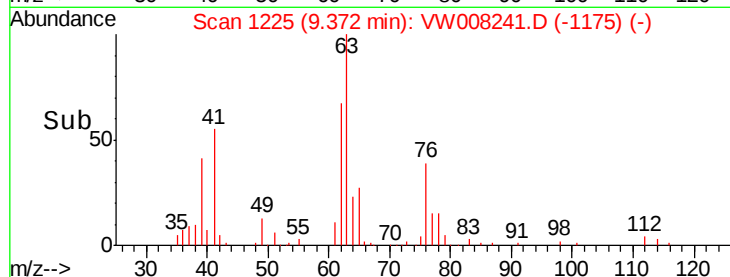
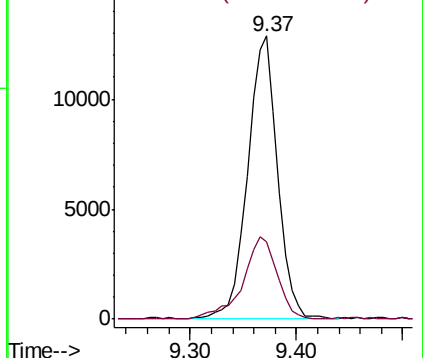
63 100

65 27.5 23.3 34.9



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 21.391 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW008241.D

Acq: 14 Jan 2019 12:38

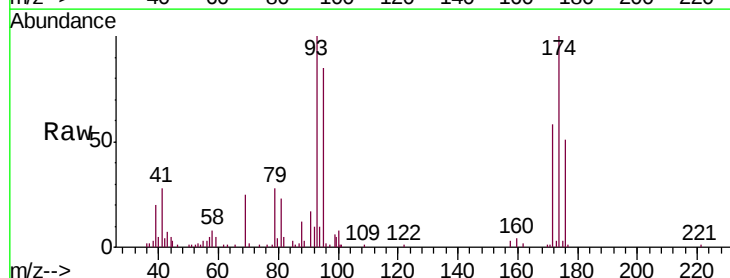
Tgt Ion: 93 Resp: 12825

Ion Ratio Lower Upper

93 100

95 84.7 67.5 101.3

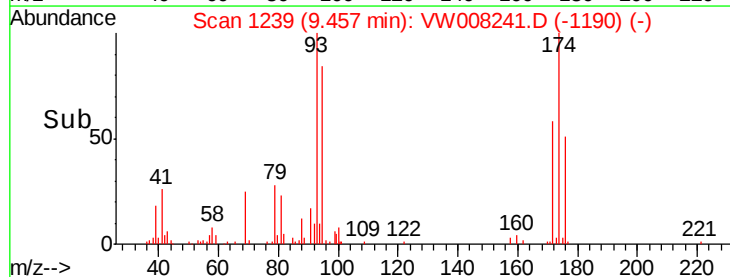
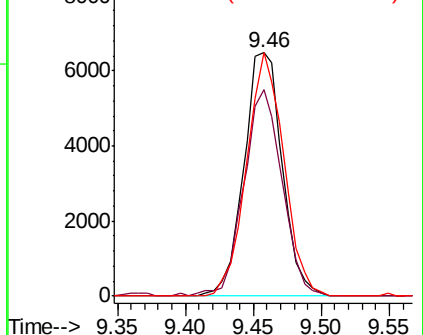
174 96.9 72.5 108.7

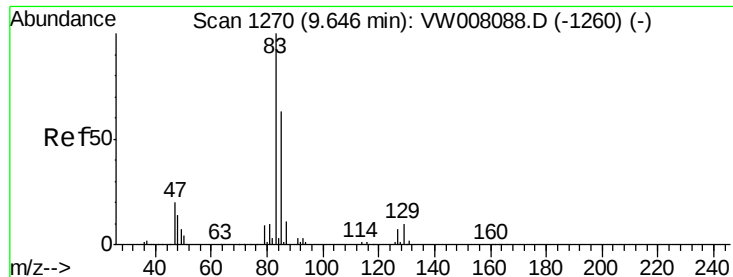


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V

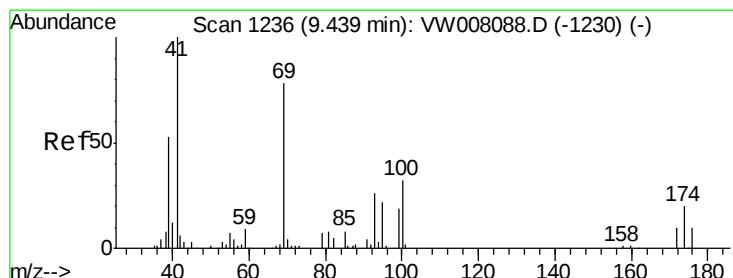
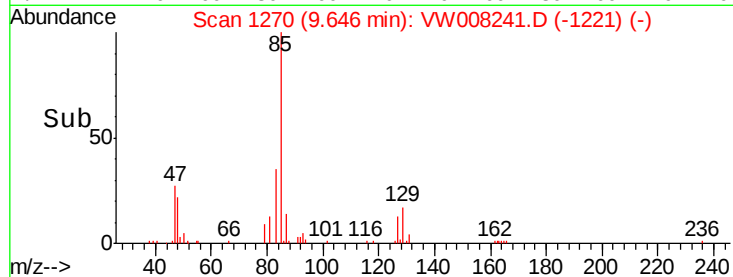
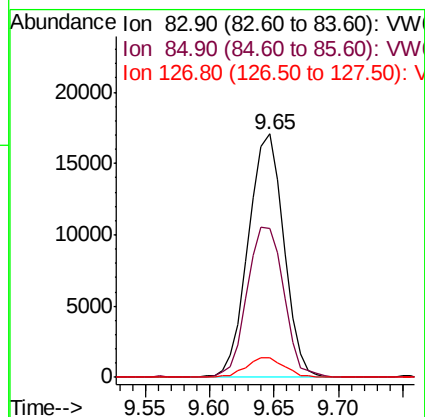
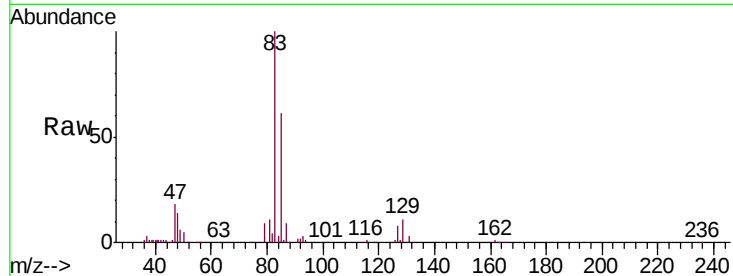




#47
 Bromodichloromethane
 Concen: 21.419 ug/l
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW008241.D
 Acq: 14 Jan 2019 12:38

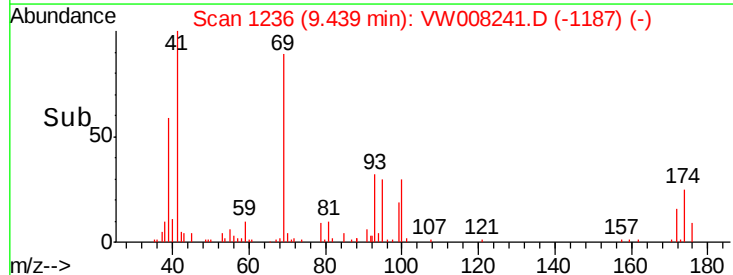
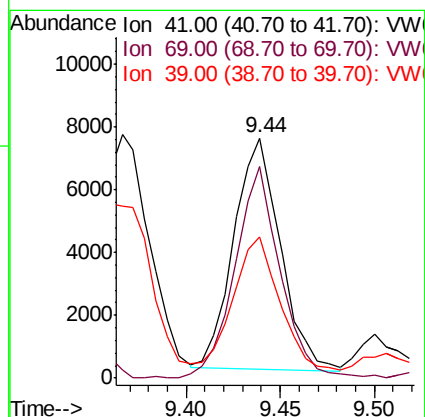
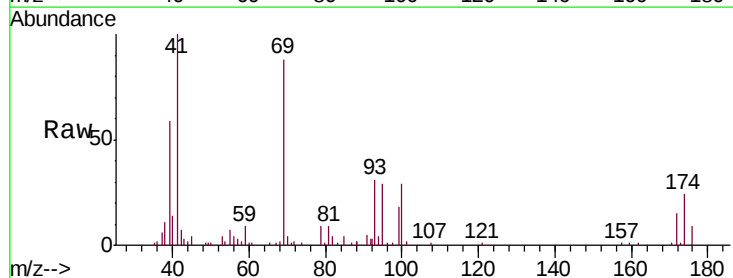
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0114SBSD01

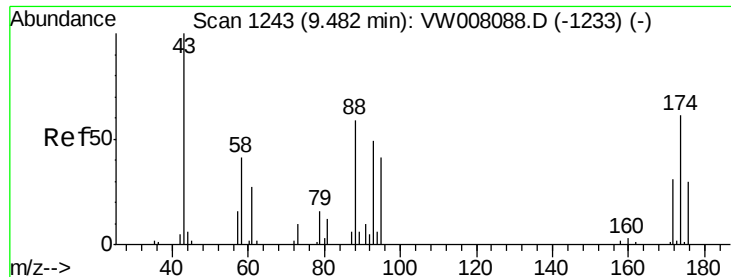
Tgt Ion: 83 Resp: 32607
 Ion Ratio Lower Upper
 83 100
 85 61.1 50.7 76.1
 127 8.2 6.0 9.0



#48
 Methyl methacrylate
 Concen: 18.328 ug/l
 RT: 9.44 min Scan# 1236
 Delta R.T. -0.00 min
 Lab File: VW008241.D
 Acq: 14 Jan 2019 12:38

Tgt Ion: 41 Resp: 12575
 Ion Ratio Lower Upper
 41 100
 69 89.3 61.9 92.9
 39 56.4 43.0 64.4

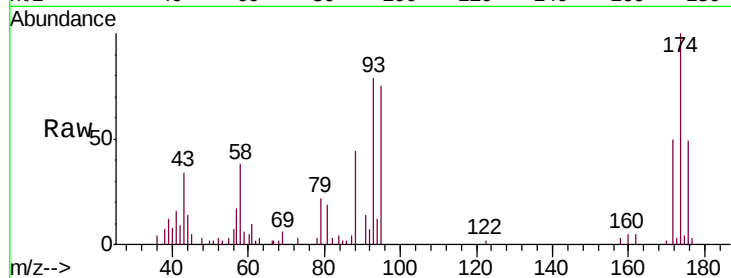




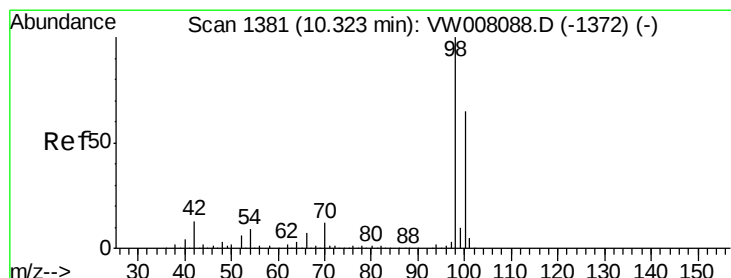
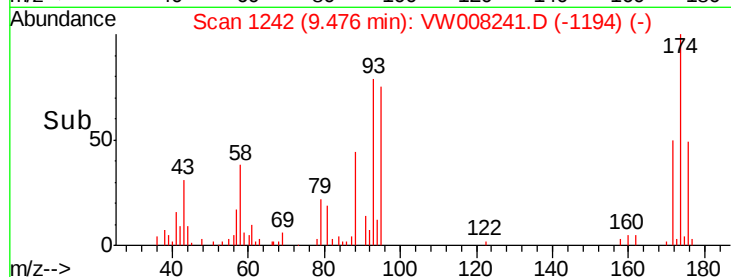
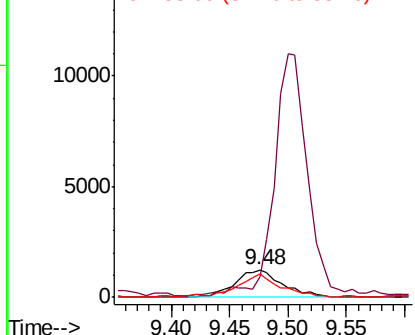
#49
1,4-Dioxane
Concen: 363.421 ug/l
RT: 9.48 min Scan# 1242
Delta R.T. -0.01 min
Lab File: VW008241.D
Acq: 14 Jan 2019 12:38

Instrument :
MSVOA_W
ClientSampleId :
VW0114SBSD01

Tgt Ion: 88 Resp: 3504
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 74.5 61.7 92.5

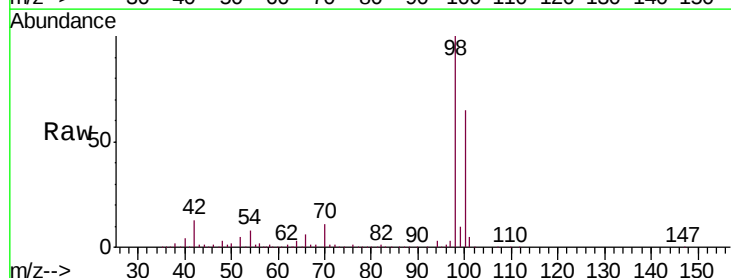


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

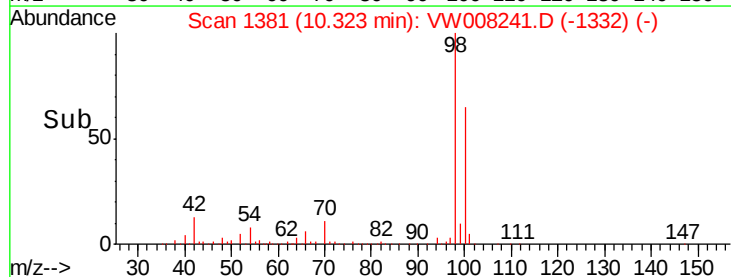
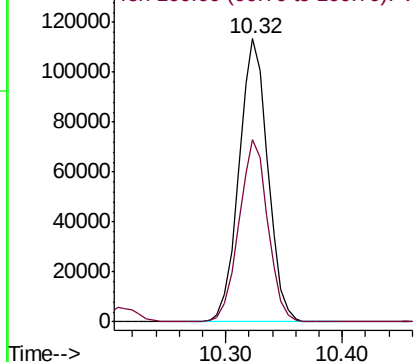


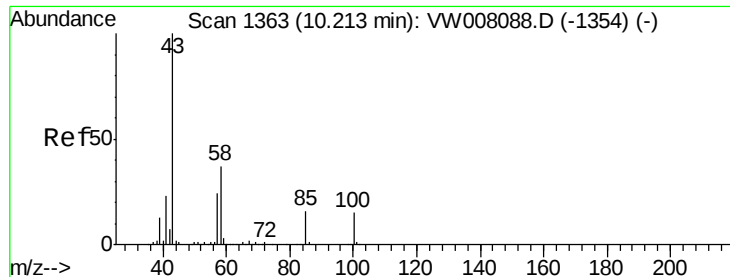
#50
Toluene-d8
Concen: 45.277 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008241.D
Acq: 14 Jan 2019 12:38

Tgt Ion: 98 Resp: 195276
Ion Ratio Lower Upper
98 100
100 64.4 51.7 77.5



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





#51

4-Methyl-2-Pentanone

Concen: 95.320 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.01 min

Lab File: VW008241.D

Acq: 14 Jan 2019 12:38

Instrument :

MSVOA_W

ClientSampleId :

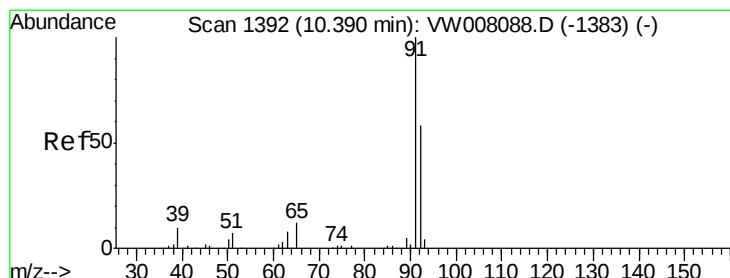
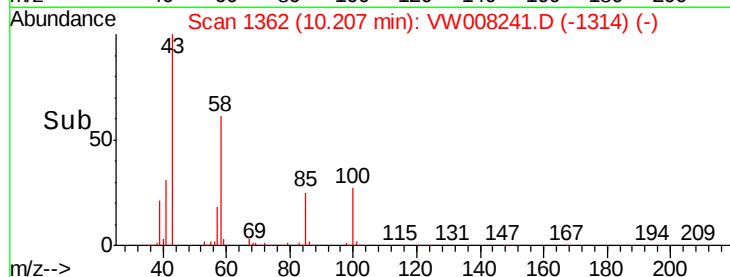
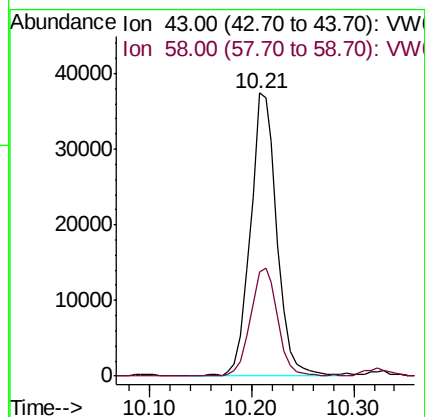
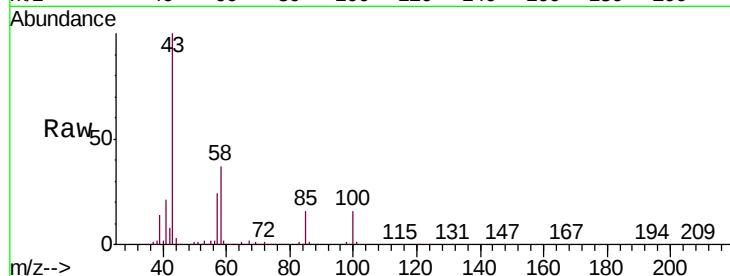
VW0114SBSD01

Tgt Ion: 43 Resp: 67089

Ion Ratio Lower Upper

43 100

58 39.4 30.6 46.0



#52

Toluene

Concen: 21.126 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW008241.D

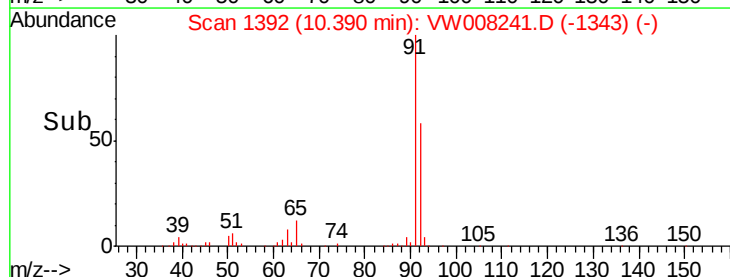
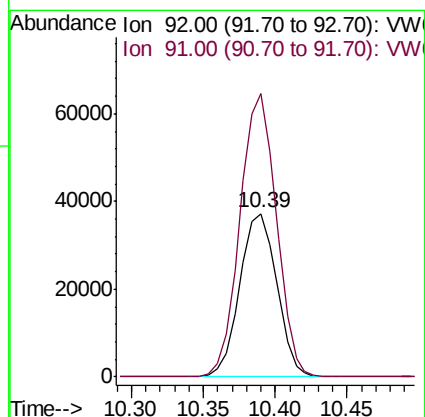
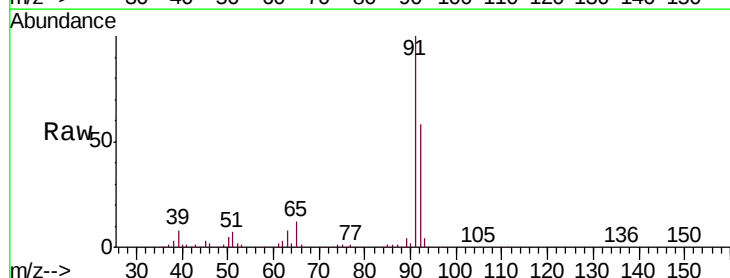
Acq: 14 Jan 2019 12:38

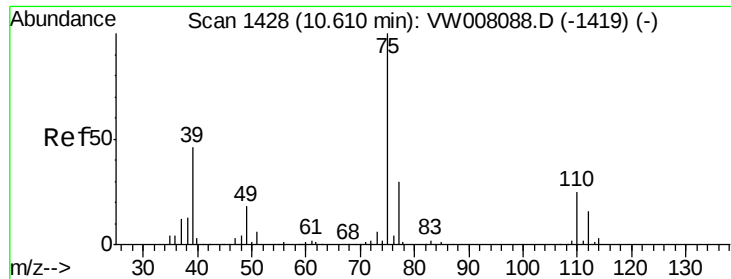
Tgt Ion: 92 Resp: 66427

Ion Ratio Lower Upper

92 100

91 171.1 137.0 205.4





#53

t-1,3-Dichloropropene

Concen: 20.262 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.01 min

Lab File: VW008241.D

Acq: 14 Jan 2019 12:38

Instrument :

MSVOA_W

ClientSampleId :

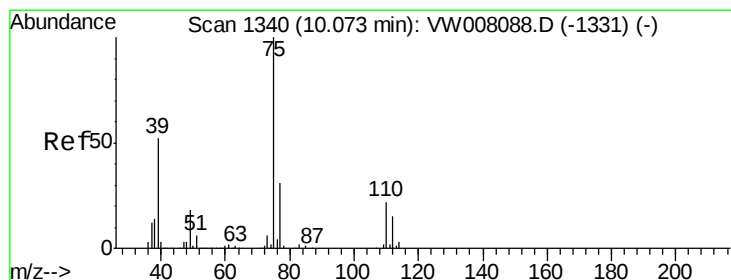
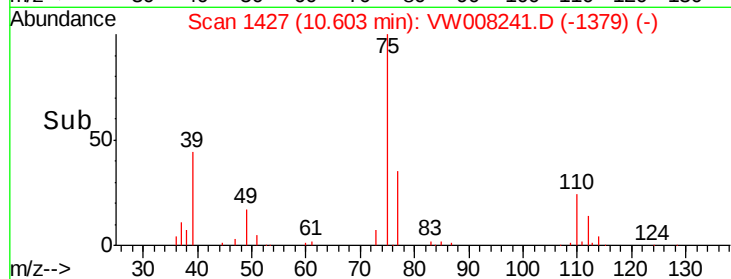
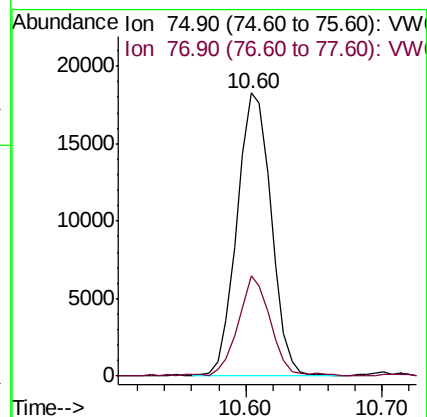
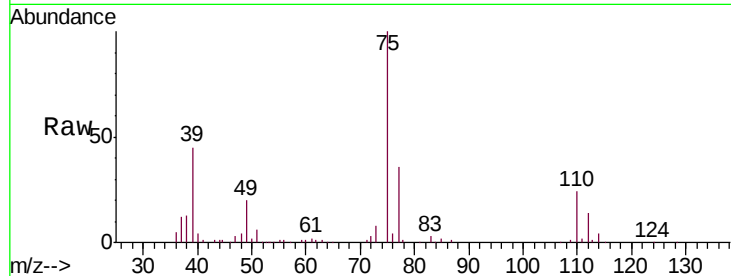
VW0114SBSD01

Tgt Ion: 75 Resp: 32086

Ion Ratio Lower Upper

75 100

77 35.6 24.4 36.6



#54

cis-1,3-Dichloropropene

Concen: 19.621 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW008241.D

Acq: 14 Jan 2019 12:38

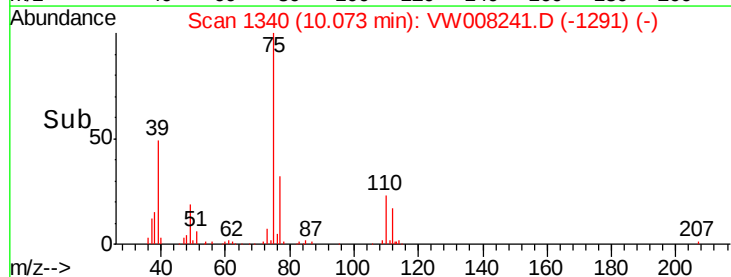
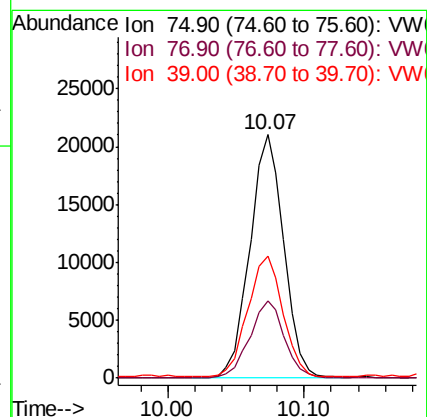
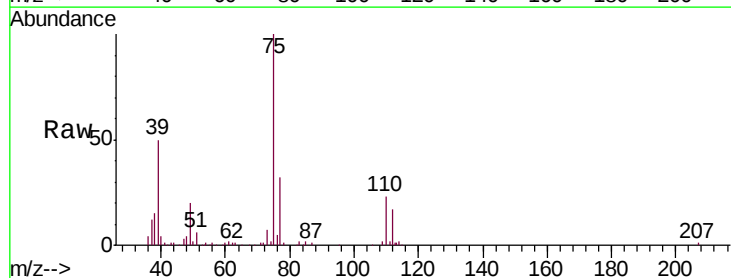
Tgt Ion: 75 Resp: 36843

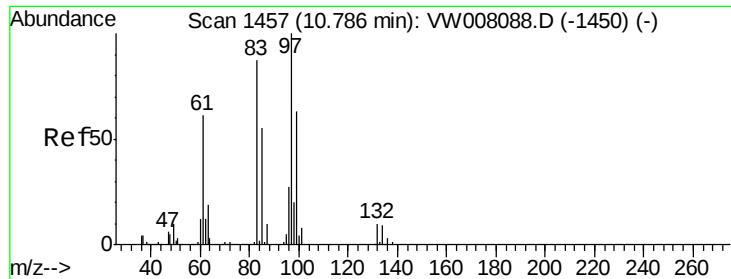
Ion Ratio Lower Upper

75 100

77 31.6 25.2 37.8

39 49.6 41.4 62.0

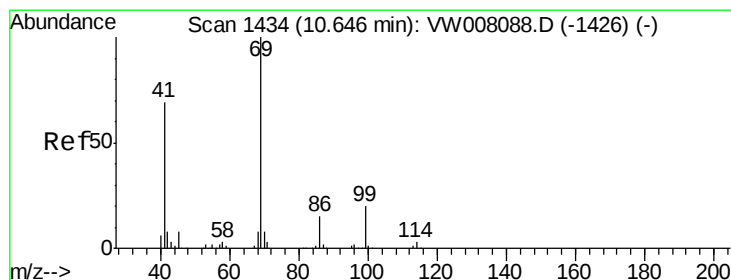
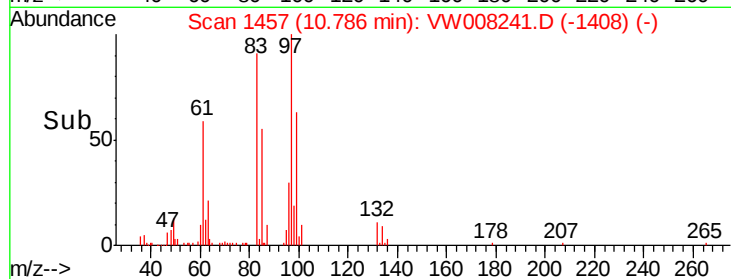
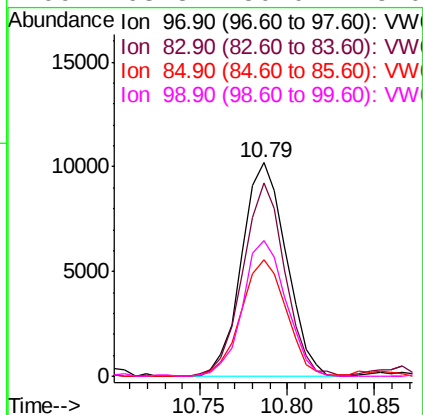
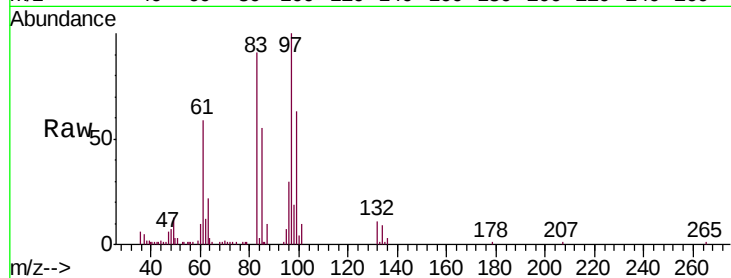




#55
 1,1,2-Trichloroethane
 Concen: 21.428 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW008241.D
 Acq: 14 Jan 2019 12:38

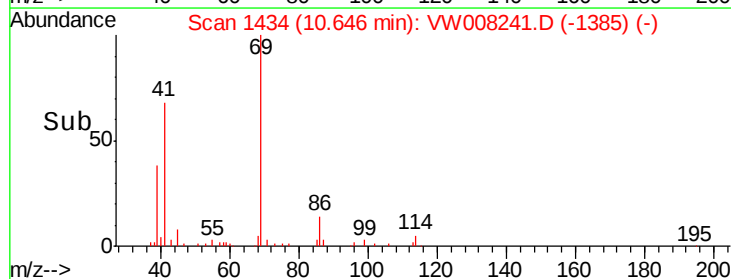
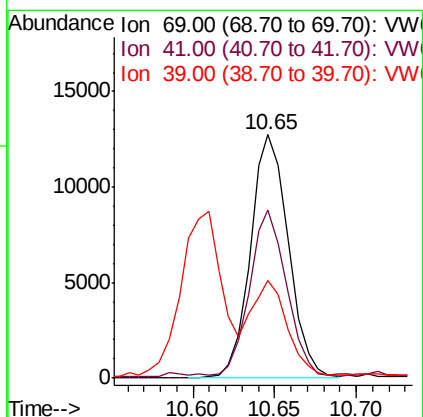
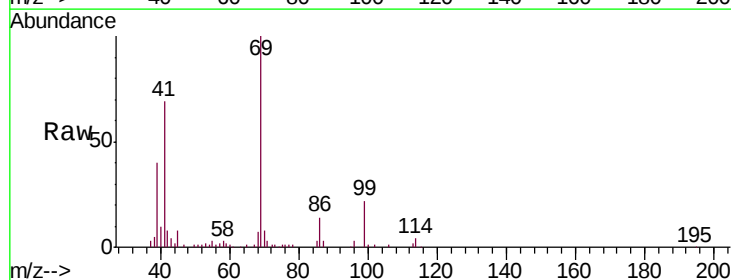
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0114SBSD01

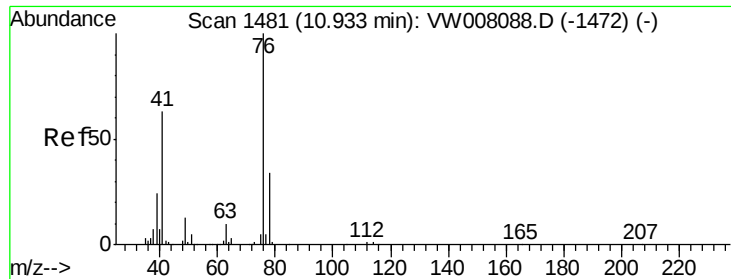
Tgt Ion:	97	Resp:	18037
Ion	Ratio	Lower	Upper
97	100		
83	90.6	69.3	103.9
85	54.8	43.8	65.6
99	63.3	50.0	75.0



#56
 Ethyl methacrylate
 Concen: 19.746 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW008241.D
 Acq: 14 Jan 2019 12:38

Tgt Ion:	69	Resp:	20584
Ion	Ratio	Lower	Upper
69	100		
41	65.4	56.4	84.6
39	36.7	28.1	42.1

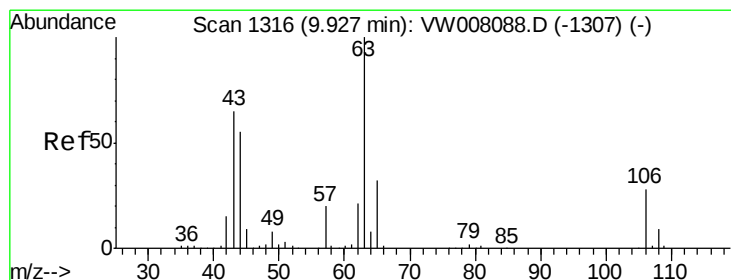
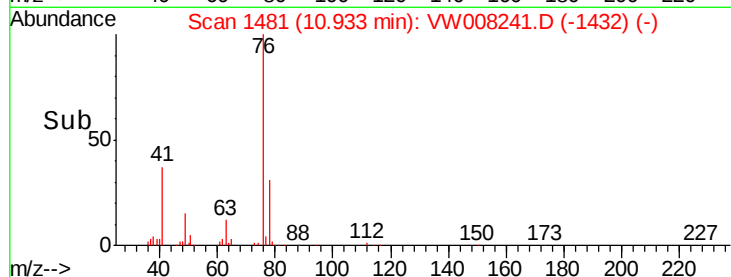
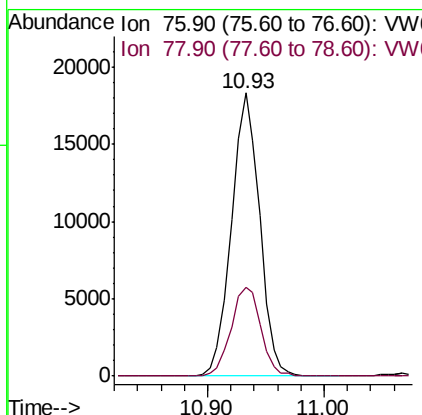
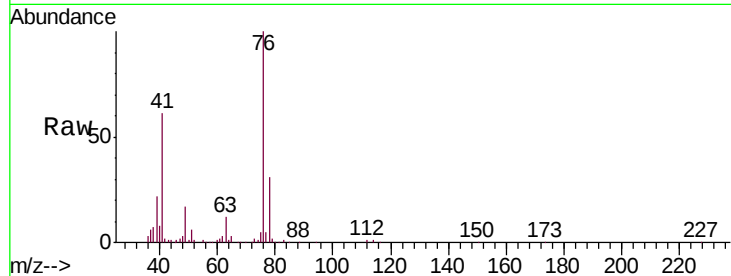




#57
 1,3-Dichloropropane
 Concen: 20.066 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW008241.D
 Acq: 14 Jan 2019 12:38

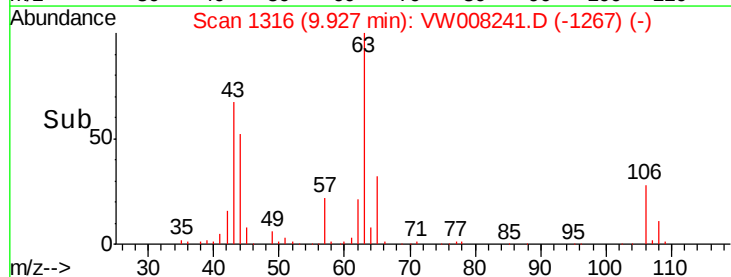
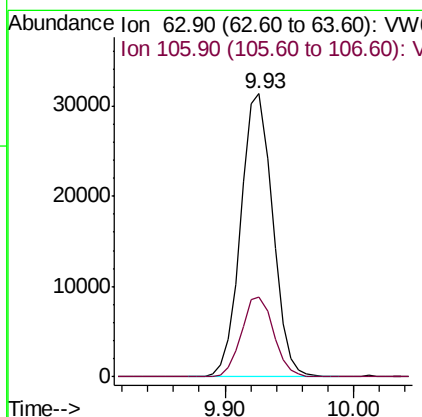
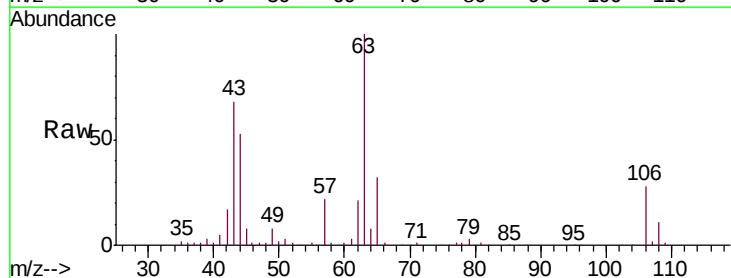
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0114SBSD01

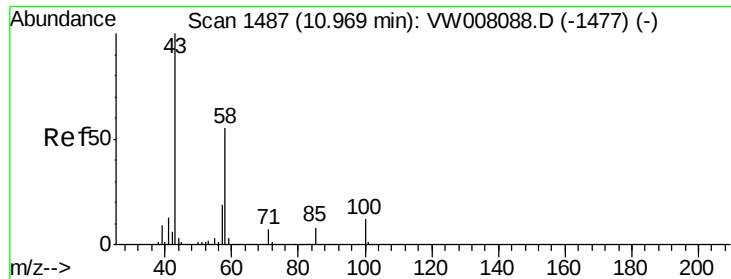
Tgt Ion: 76 Resp: 30891
 Ion Ratio Lower Upper
 76 100
 78 33.4 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 99.643 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW008241.D
 Acq: 14 Jan 2019 12:38

Tgt Ion: 63 Resp: 53655
 Ion Ratio Lower Upper
 63 100
 106 28.3 21.8 32.6

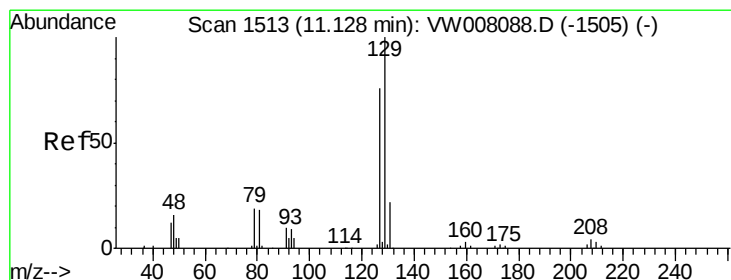
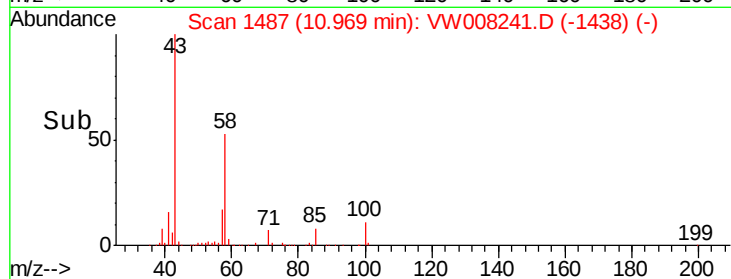
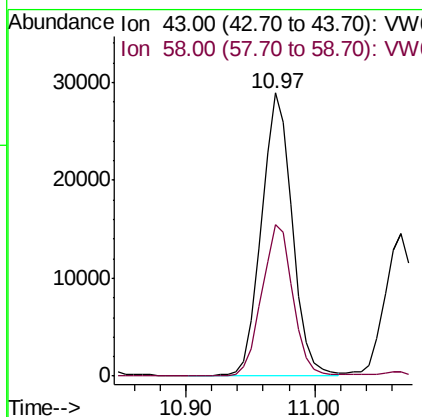
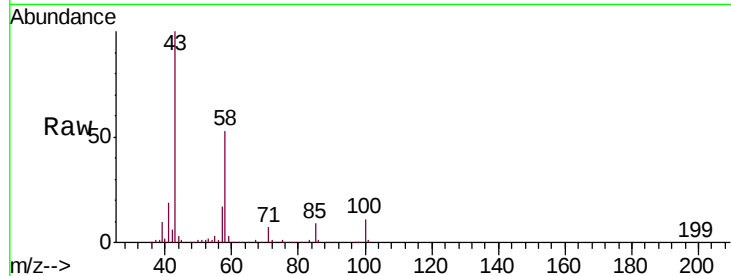




#59
2-Hexanone
Concen: 99.693 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW008241.D
Acq: 14 Jan 2019 12:38

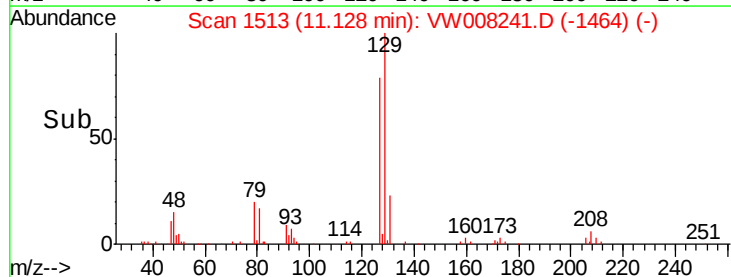
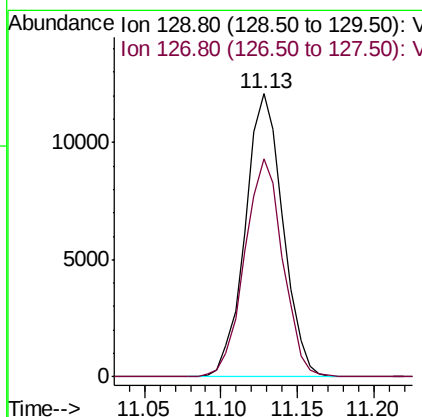
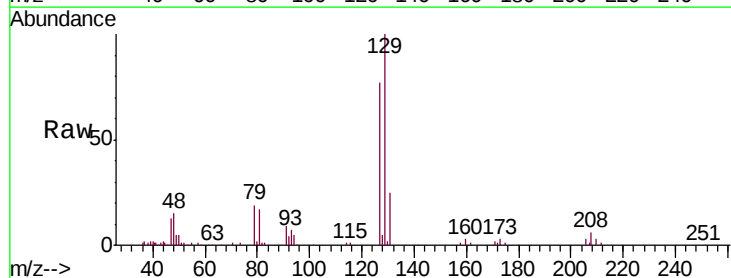
Instrument :
MSVOA_W
ClientSampleId :
VW0114SBSD01

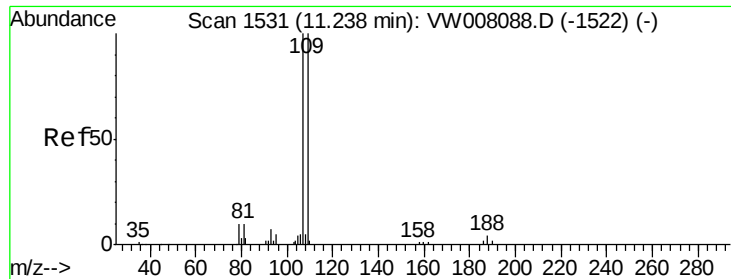
Tgt Ion: 43 Resp: 47450
Ion Ratio Lower Upper
43 100
58 54.7 27.2 81.5



#60
Dibromochloromethane
Concen: 22.406 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW008241.D
Acq: 14 Jan 2019 12:38

Tgt Ion: 129 Resp: 20711
Ion Ratio Lower Upper
129 100
127 77.9 38.9 116.6





#61

1,2-Dibromoethane

Concen: 20.799 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW008241.D

Acq: 14 Jan 2019 12:38

Instrument :

MSVOA_W

ClientSampleId :

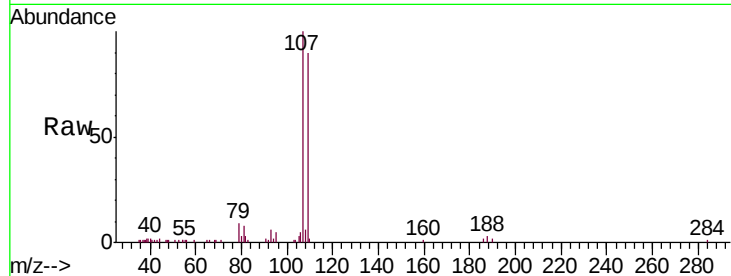
VW0114SBSD01

Tgt Ion: 107 Resp: 16612

Ion Ratio Lower Upper

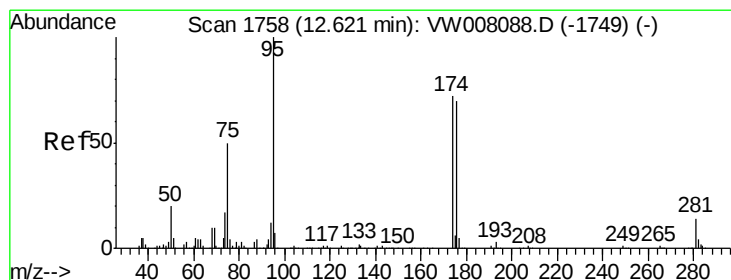
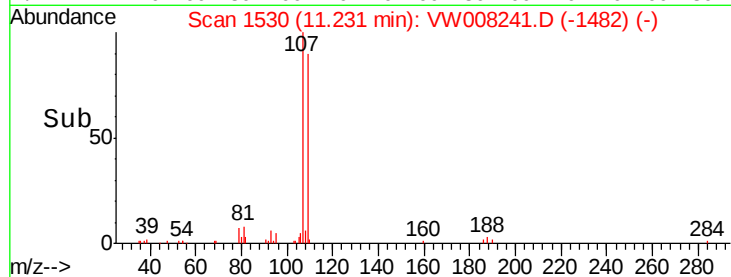
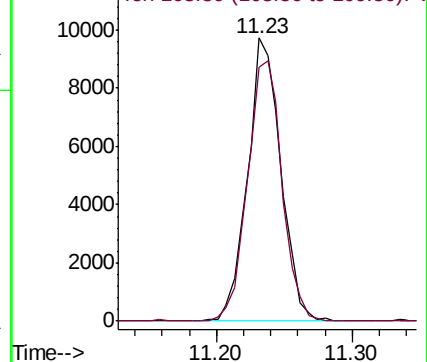
107 100

109 95.6 75.9 113.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 43.825 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008241.D

Acq: 14 Jan 2019 12:38

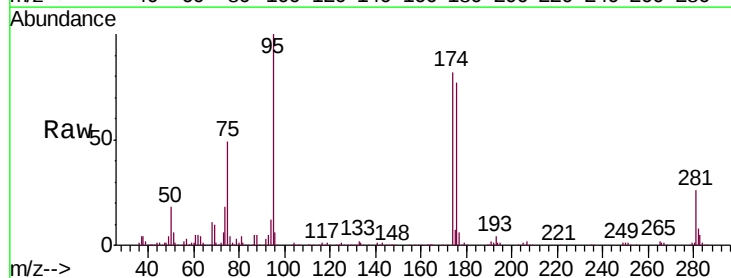
Tgt Ion: 95 Resp: 67761

Ion Ratio Lower Upper

95 100

174 81.0 0.0 143.0

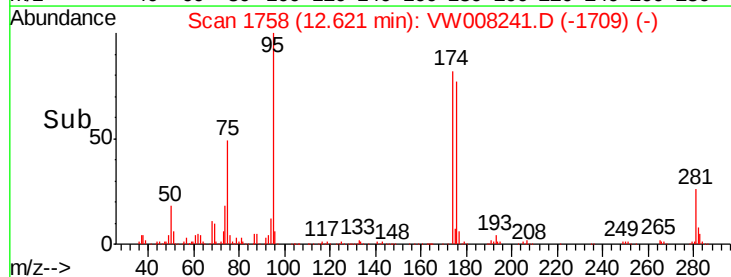
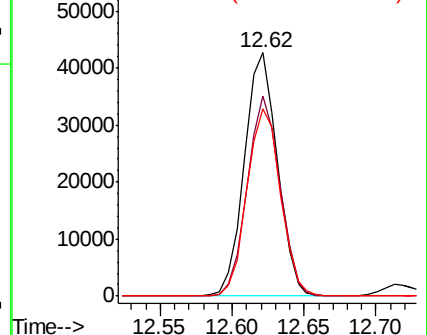
176 78.2 0.0 140.2

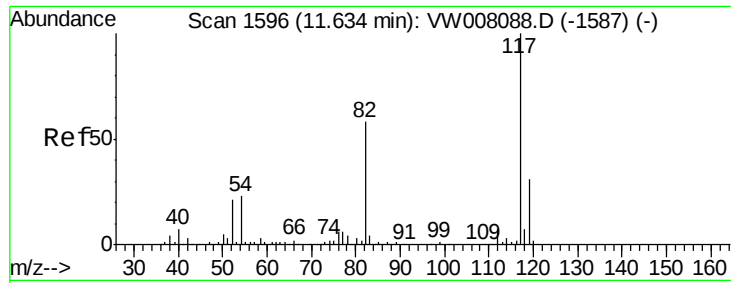


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

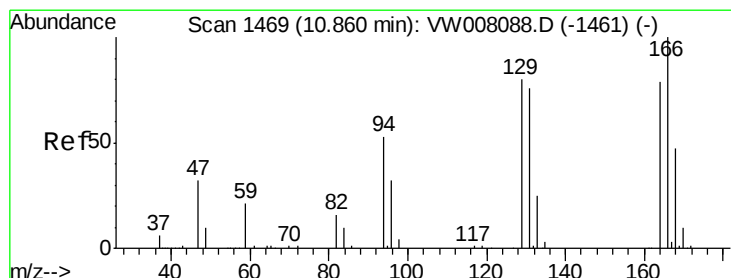
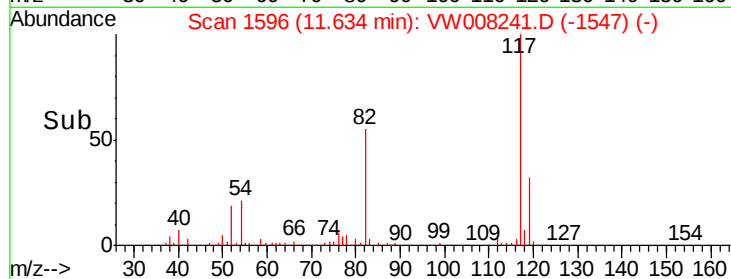
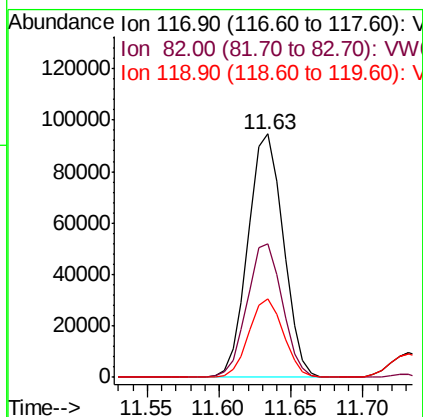
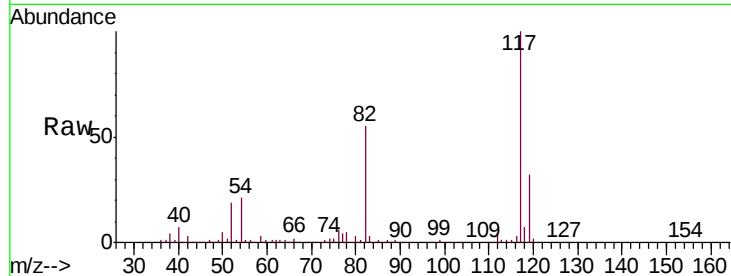




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008241.D
Acq: 14 Jan 2019 12:38

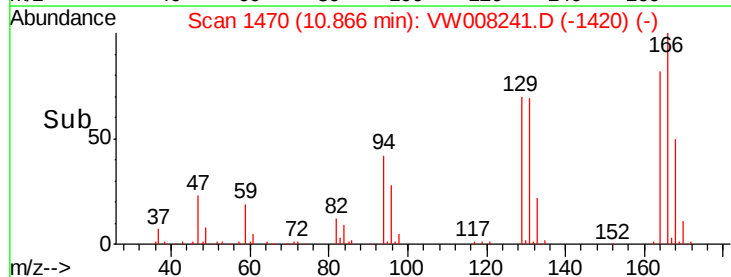
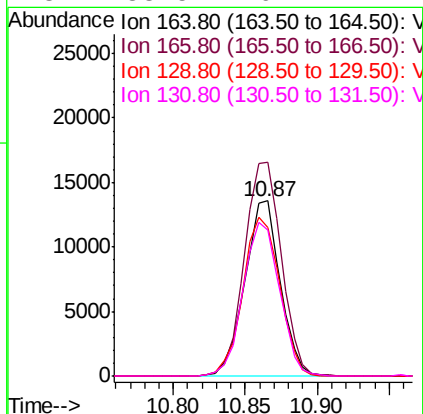
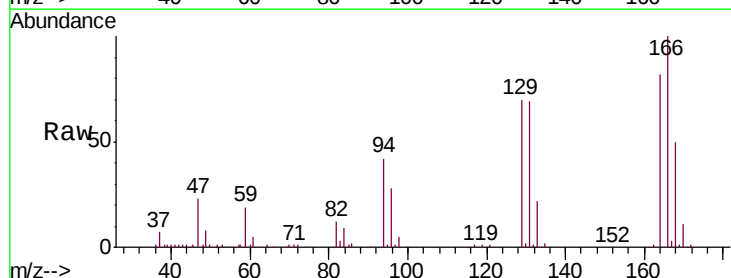
Instrument :
MSVOA_W
ClientSampleId :
VW0114SBSD01

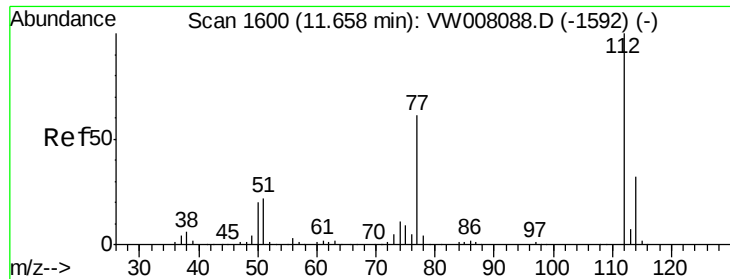
Tgt Ion:117 Resp: 160501
Ion Ratio Lower Upper
117 100
82 54.9 46.4 69.6
119 32.3 24.7 37.1



#64
Tetrachloroethene
Concen: 22.073 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW008241.D
Acq: 14 Jan 2019 12:38

Tgt Ion:164 Resp: 23056
Ion Ratio Lower Upper
164 100
166 121.8 100.7 151.1
129 84.9 81.0 121.4
131 83.5 76.1 114.1

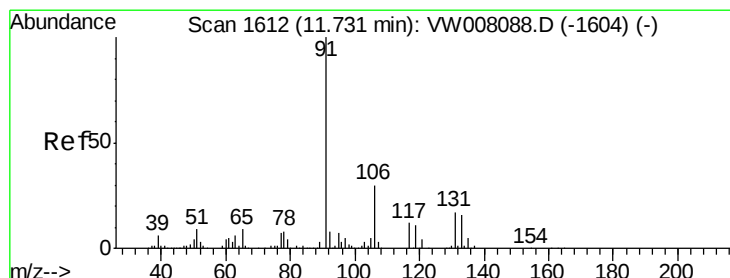
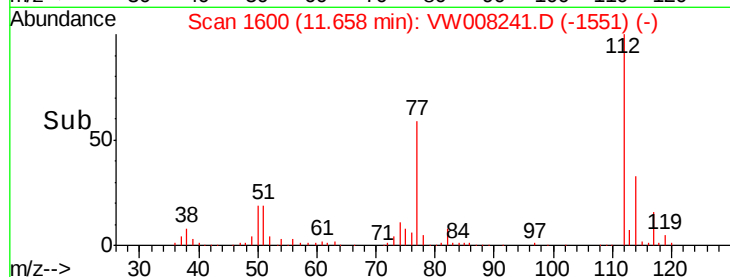
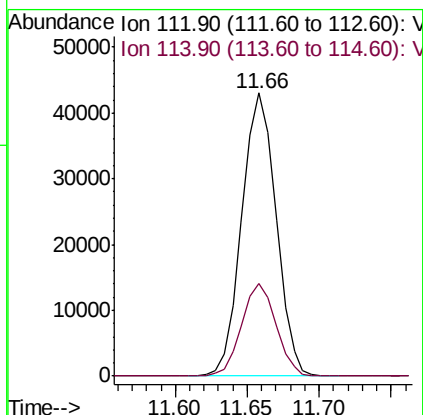
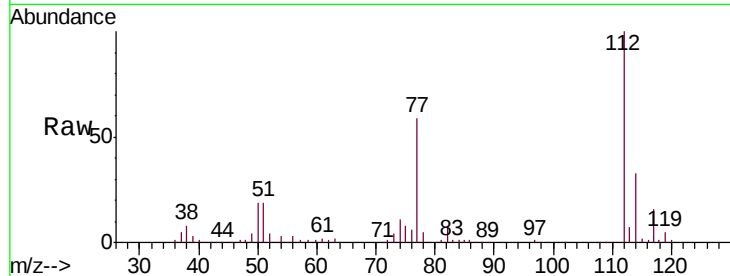




#65
Chlorobenzene
Concen: 20.929 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW008241.D
Acq: 14 Jan 2019 12:38

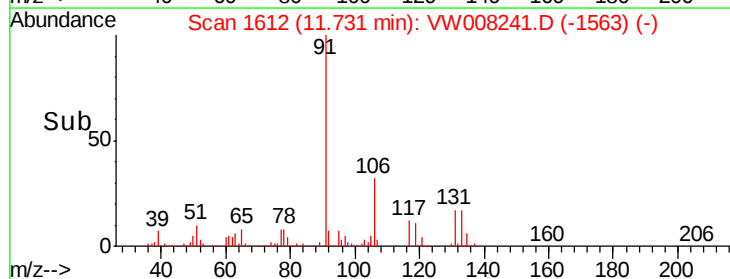
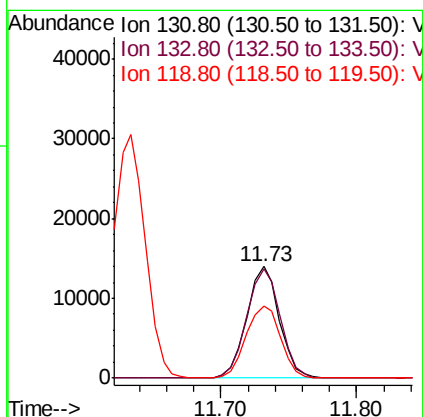
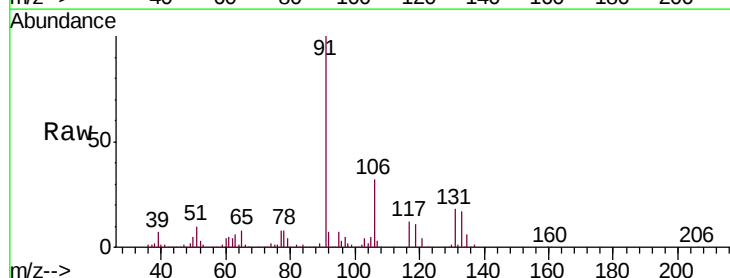
Instrument :
MSVOA_W
ClientSampleId :
VW0114SBSD01

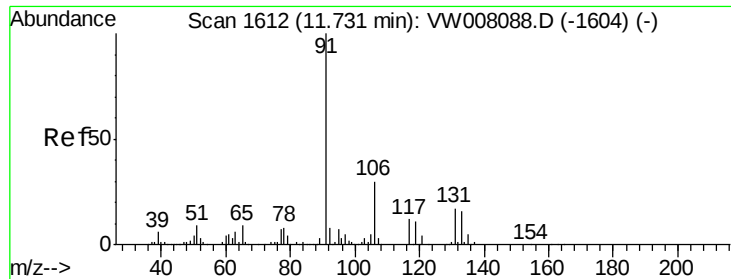
Tgt Ion:112 Resp: 71166
Ion Ratio Lower Upper
112 100
114 32.9 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 21.243 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008241.D
Acq: 14 Jan 2019 12:38

Tgt Ion:131 Resp: 23494
Ion Ratio Lower Upper
131 100
133 101.1 47.9 143.7
119 69.0 32.5 97.4

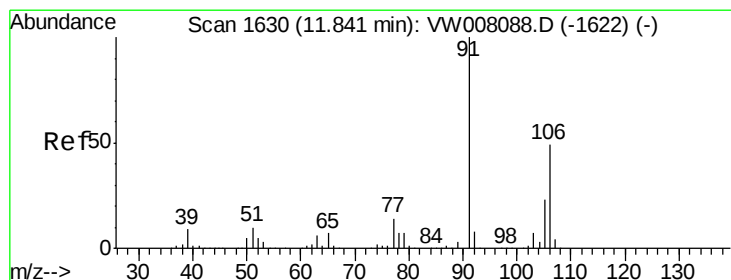
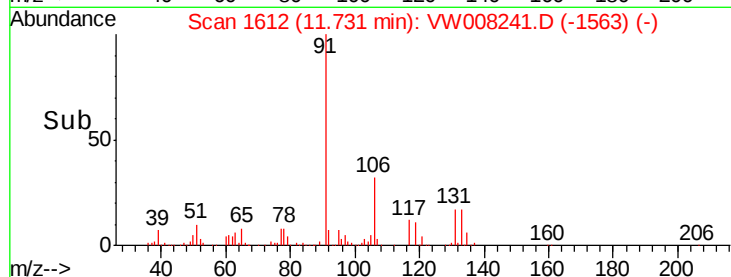
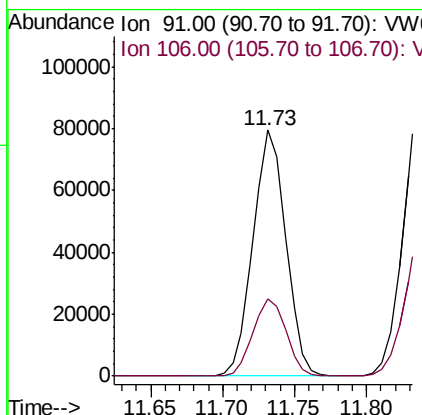
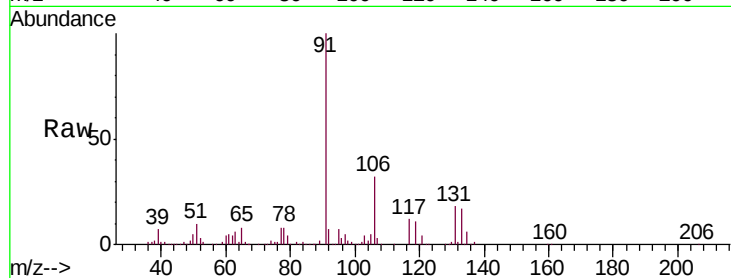




#67
Ethyl Benzene
Concen: 20.129 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008241.D
Acq: 14 Jan 2019 12:38

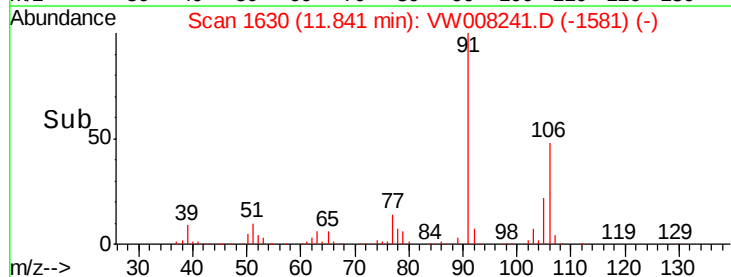
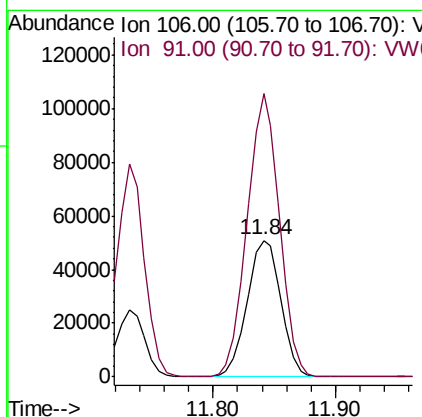
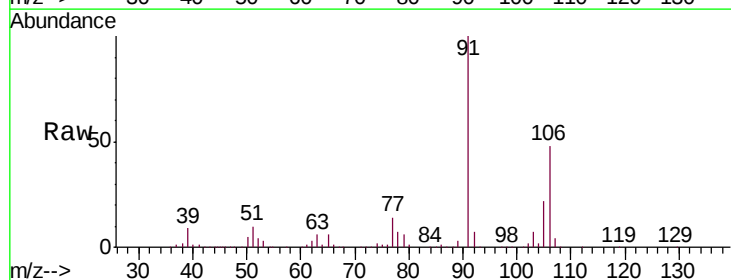
Instrument :
MSVOA_W
ClientSampleId :
VW0114SBSD01

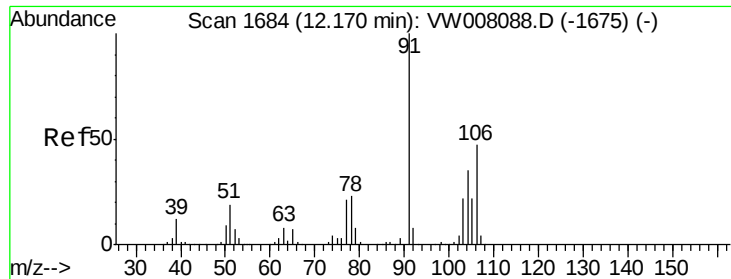
Tgt Ion: 91 Resp: 125239
Ion Ratio Lower Upper
91 100
106 31.7 24.2 36.4



#68
m/p-Xylenes
Concen: 41.003 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW008241.D
Acq: 14 Jan 2019 12:38

Tgt Ion: 106 Resp: 97372
Ion Ratio Lower Upper
106 100
91 199.2 162.4 243.6

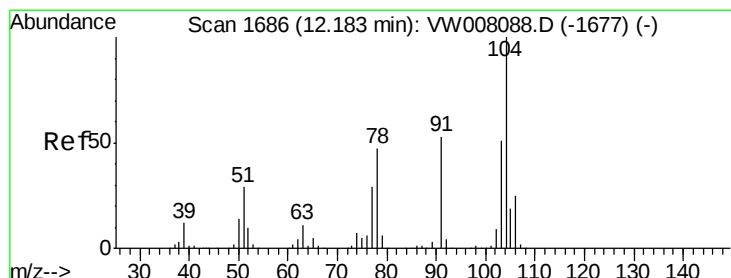
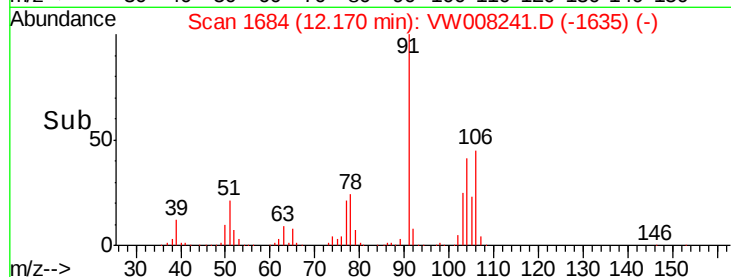
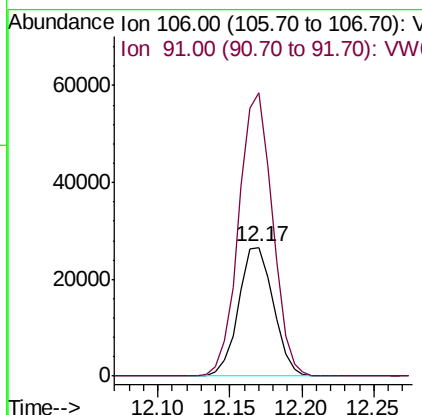
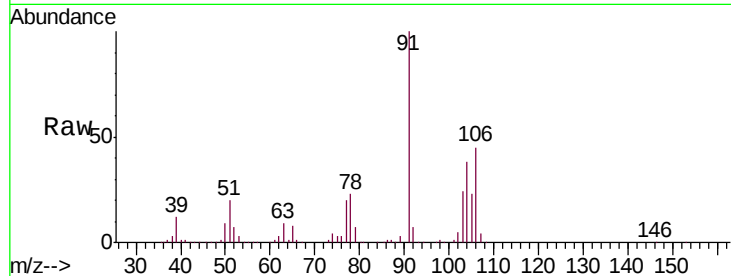




#69
o-Xylene
Concen: 20.254 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW008241.D
Acq: 14 Jan 2019 12:38

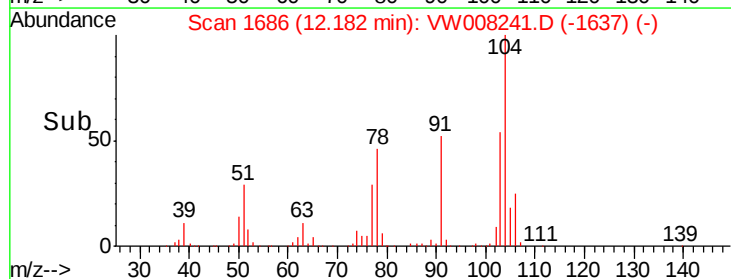
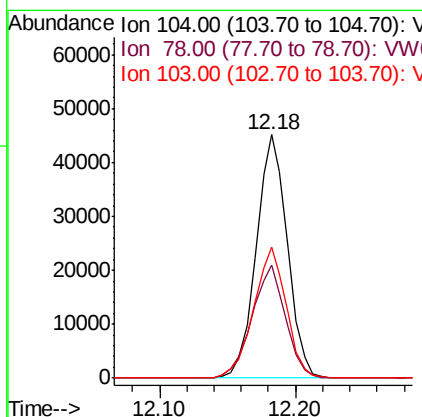
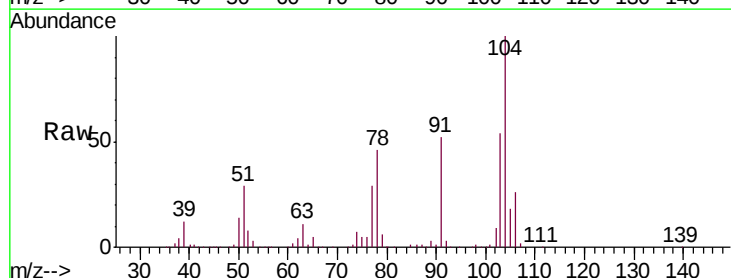
Instrument :
MSVOA_W
ClientSampleId :
VW0114SBSD01

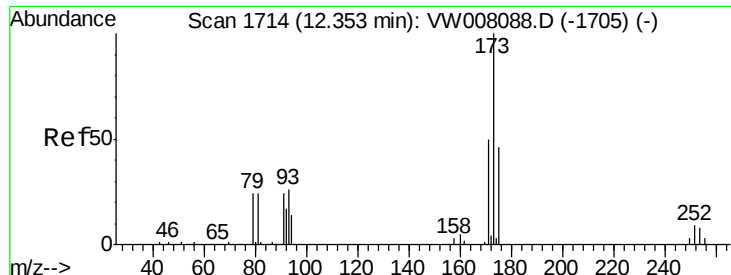
Tgt Ion:106 Resp: 44540
Ion Ratio Lower Upper
106 100
91 214.2 107.8 323.6



#70
Styrene
Concen: 21.044 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW008241.D
Acq: 14 Jan 2019 12:38

Tgt Ion:104 Resp: 72485
Ion Ratio Lower Upper
104 100
78 49.9 41.8 62.8
103 56.4 43.8 65.8





#71

Bromoform

Concen: 22.801 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW008241.D

Acq: 14 Jan 2019 12:38

Instrument :

MSVOA_W

ClientSampleId :

VW0114SBSD01

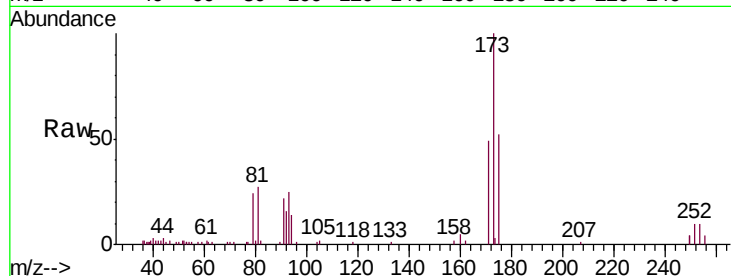
Tgt Ion:173 Resp: 11286

Ion Ratio Lower Upper

173 100

175 49.5 23.3 69.8

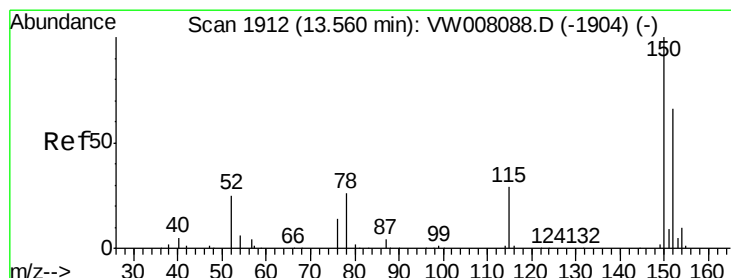
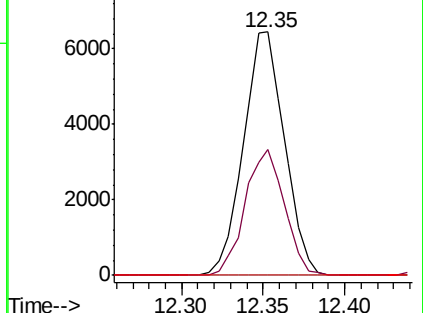
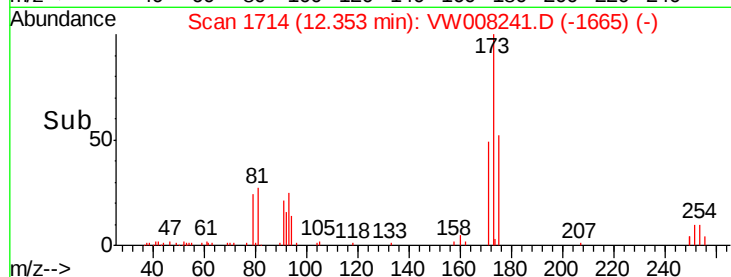
254 0.0 0.0 0.0



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: VW008241.D

Acq: 14 Jan 2019 12:38

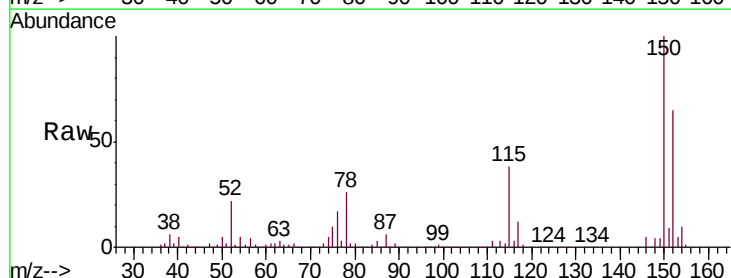
Tgt Ion:152 Resp: 82131

Ion Ratio Lower Upper

152 100

115 58.6 30.8 92.4

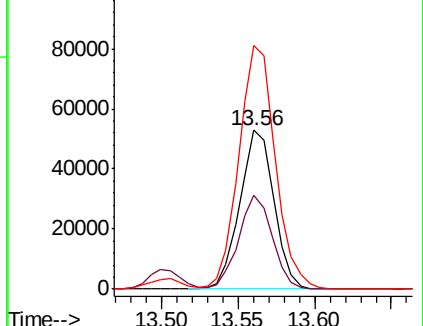
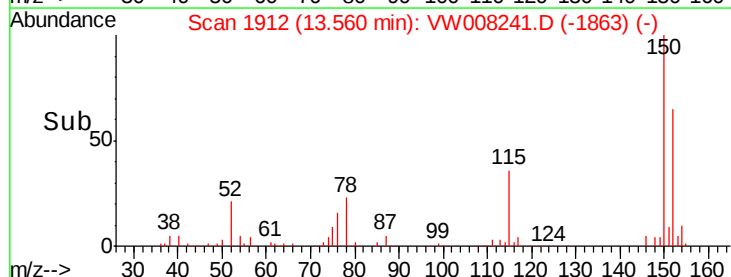
150 163.3 0.0 350.2

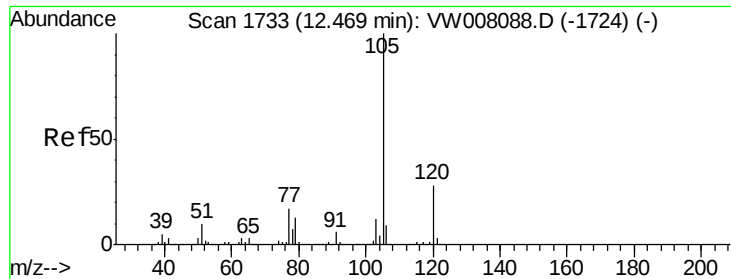


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.492 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW008241.D

Acq: 14 Jan 2019 12:38

Instrument :

MSVOA_W

ClientSampleId :

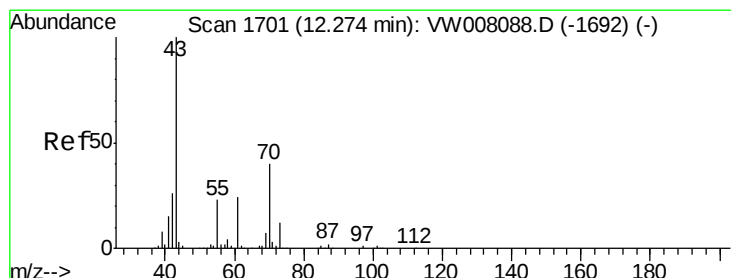
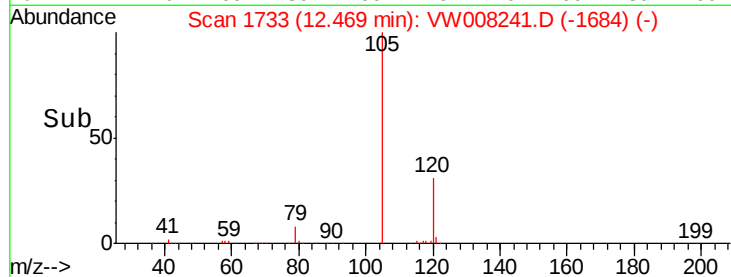
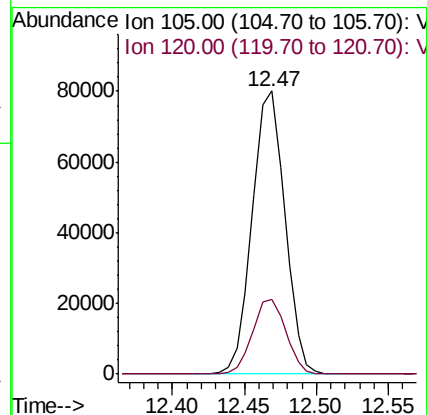
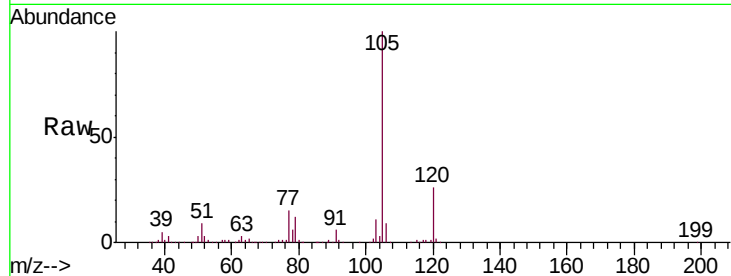
VW0114SBSD01

Tgt Ion:105 Resp: 125687

Ion Ratio Lower Upper

105 100

120 26.9 13.6 40.8



#74

N-ethyl acetate

Concen: 17.949 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW008241.D

Acq: 14 Jan 2019 12:38

Tgt Ion: 43 Resp: 25630

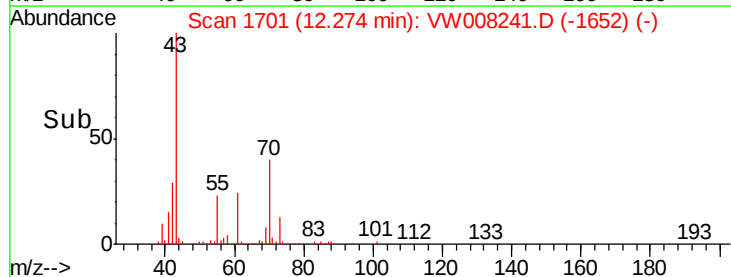
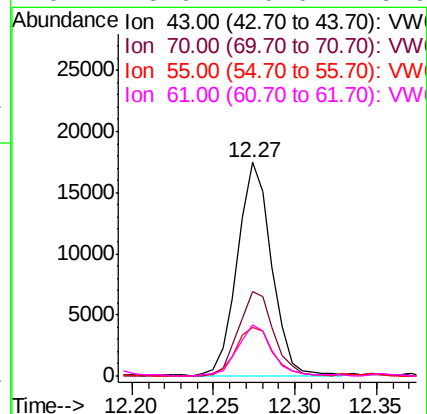
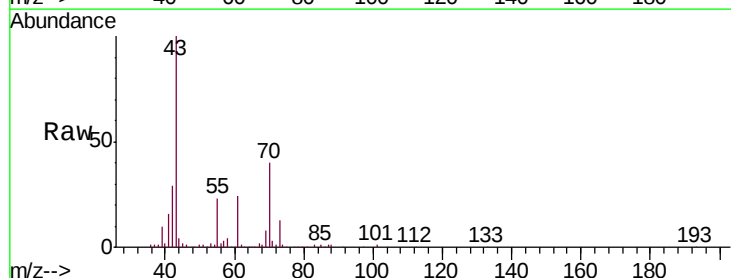
Ion Ratio Lower Upper

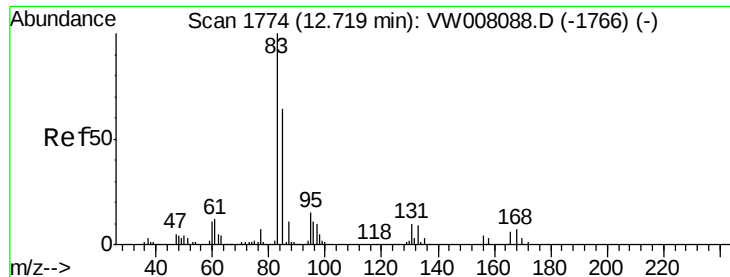
43 100

70 40.9 32.4 48.6

55 24.6 18.7 28.1

61 23.9 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.310 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW008241.D

Acq: 14 Jan 2019 12:38

Instrument :

MSVOA_W

ClientSampleId :

VW0114SBSD01

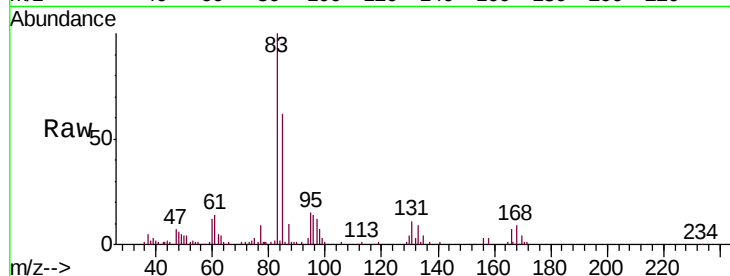
Tgt Ion: 83 Resp: 19930

Ion Ratio Lower Upper

83 100

131 12.3 5.3 16.1

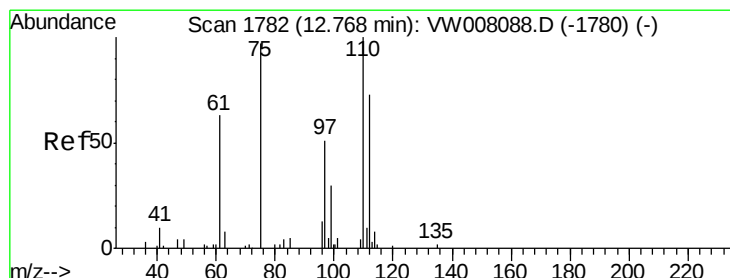
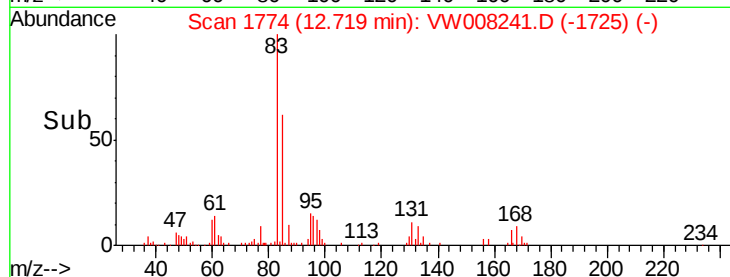
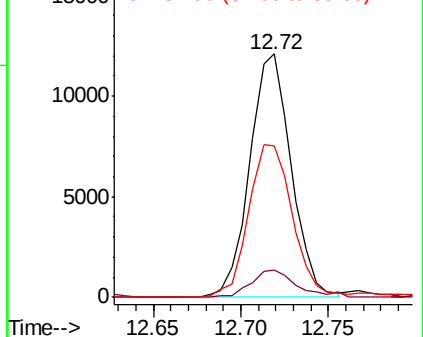
85 66.6 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 35.504 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW008241.D

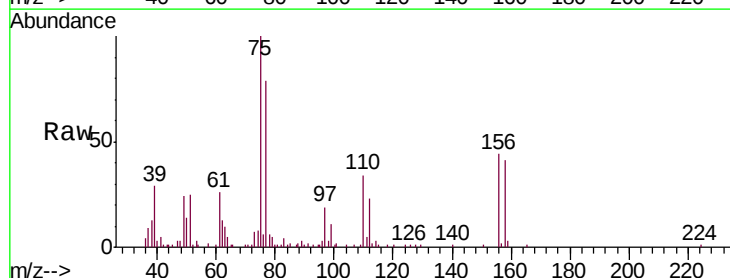
Acq: 14 Jan 2019 12:38

Tgt Ion: 75 Resp: 26582

Ion Ratio Lower Upper

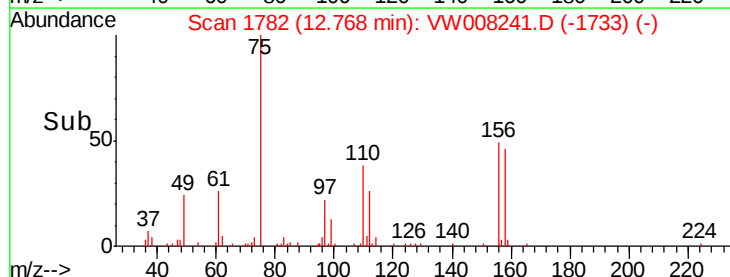
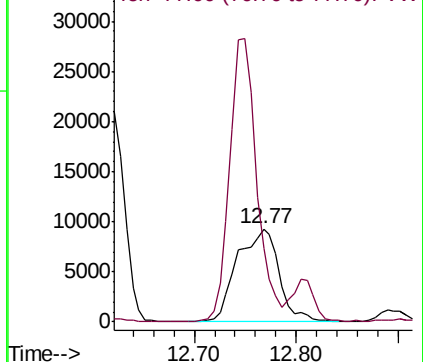
75 100

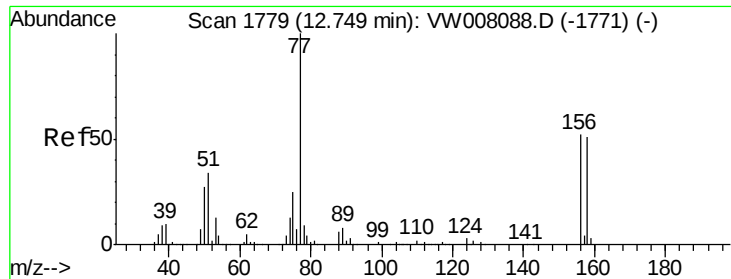
77 195.6 179.4 538.2



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.957 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW008241.D

Acq: 14 Jan 2019 12:38

Instrument :

MSVOA_W

ClientSampleId :

VW0114SBSD01

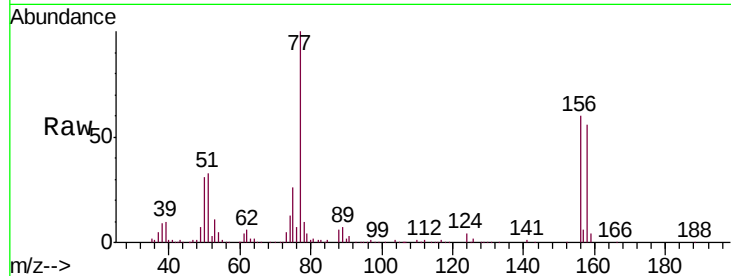
Tgt Ion:156 Resp: 28553

Ion Ratio Lower Upper

156 100

77 182.1 104.2 312.5

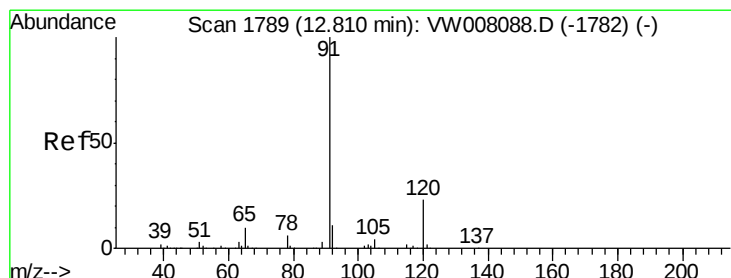
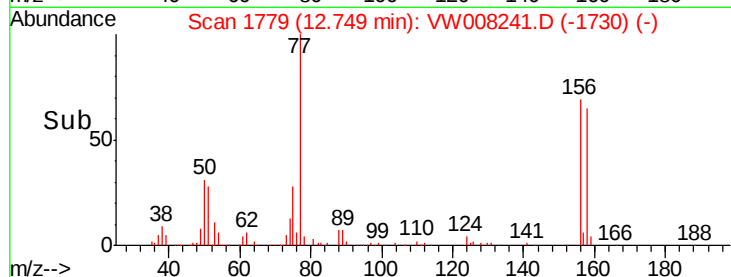
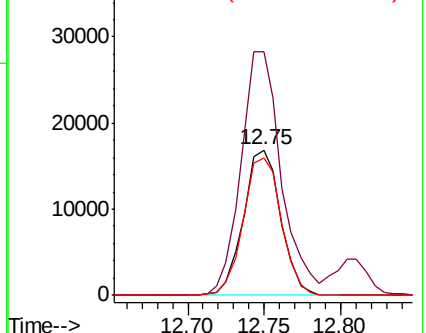
158 96.7 47.9 143.6



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: 19.375 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW008241.D

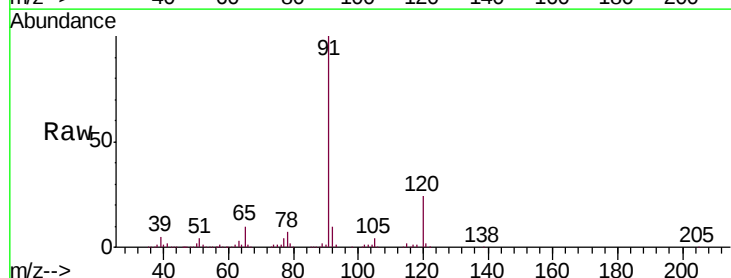
Acq: 14 Jan 2019 12:38

Tgt Ion: 91 Resp: 153072

Ion Ratio Lower Upper

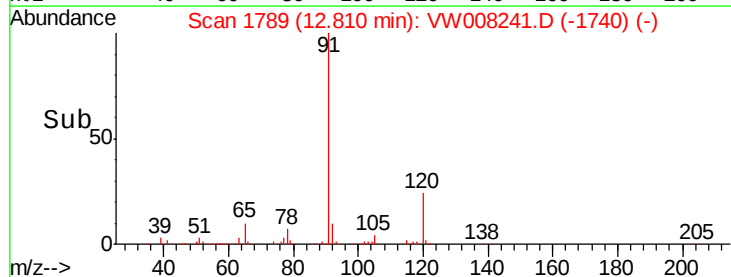
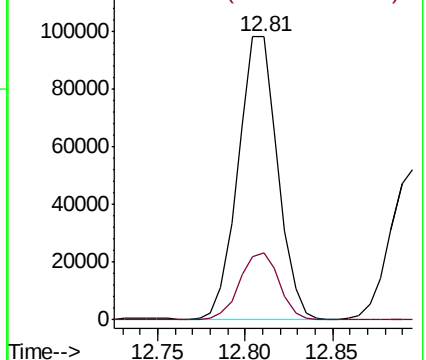
91 100

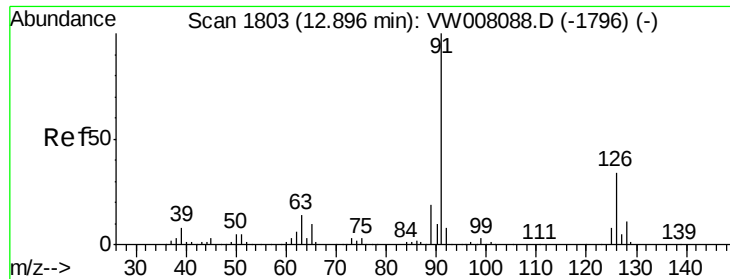
120 23.8 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.225 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW008241.D

Acq: 14 Jan 2019 12:38

Instrument :

MSVOA_W

ClientSampleId :

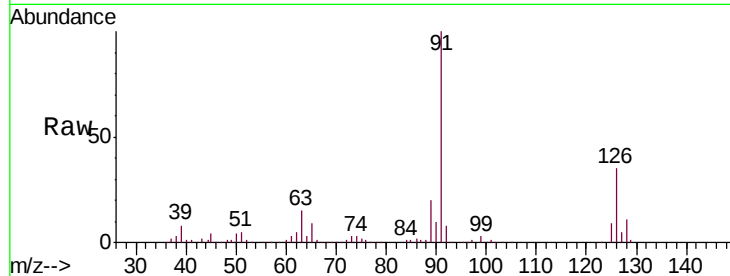
VW0114SBSD01

Tgt Ion: 91 Resp: 84742

Ion Ratio Lower Upper

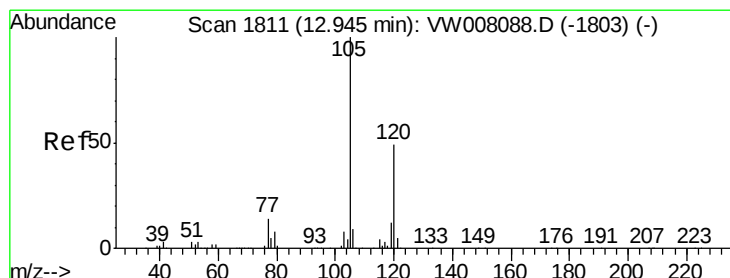
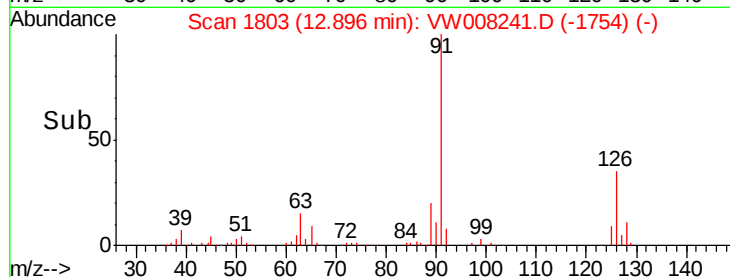
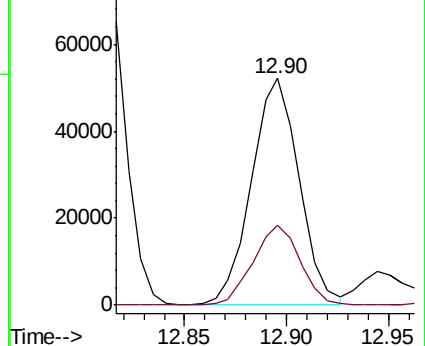
91 100

126 34.8 16.8 50.3



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: 19.759 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW008241.D

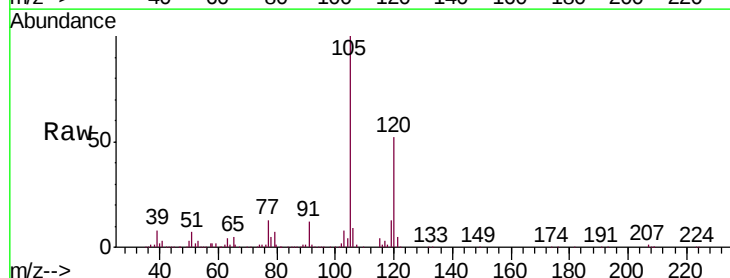
Acq: 14 Jan 2019 12:38

Tgt Ion: 105 Resp: 104697

Ion Ratio Lower Upper

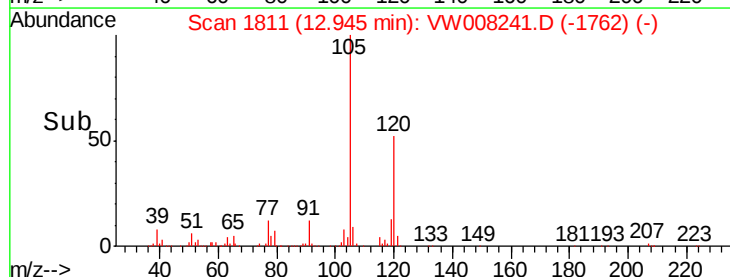
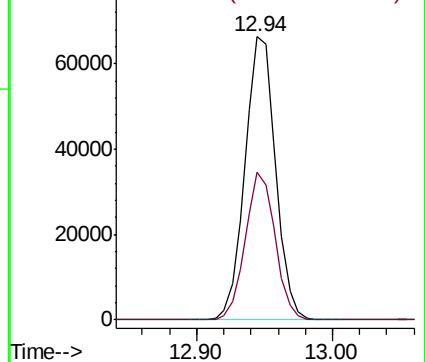
105 100

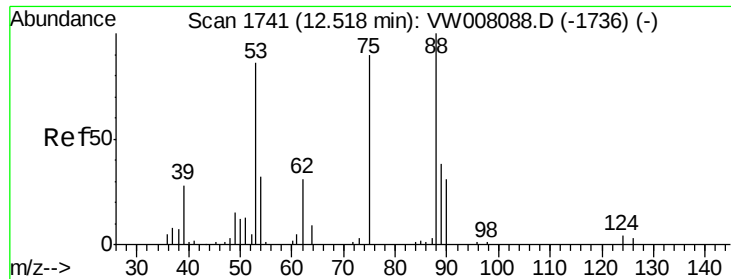
120 50.9 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 18.982 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.01 min

Lab File: VW008241.D

Acq: 14 Jan 2019 12:38

Instrument :

MSVOA_W

ClientSampleId :

VW0114SBSD01

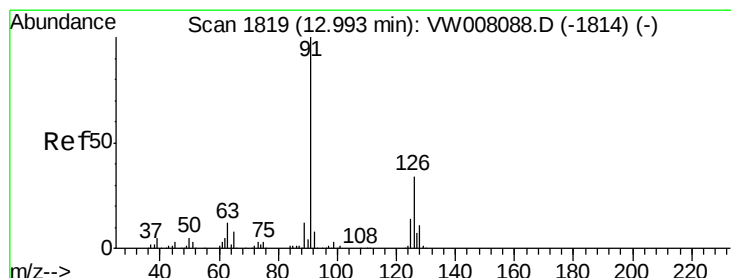
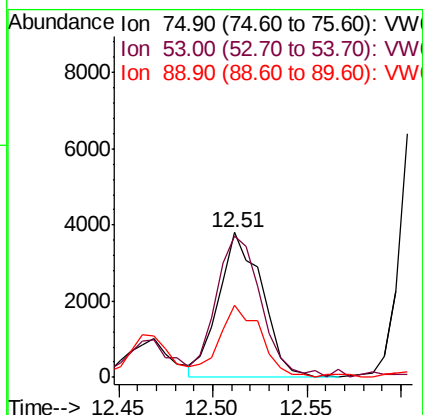
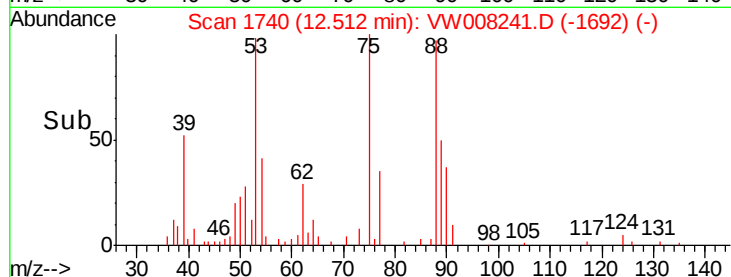
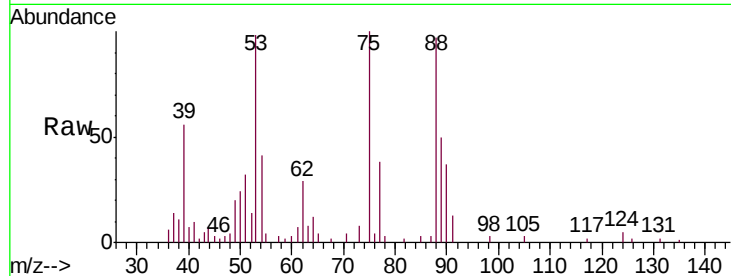
Tgt Ion: 75 Resp: 6103

Ion Ratio Lower Upper

75 100

53 101.1 78.8 118.2

89 47.6 35.4 53.2



#82

4-Chlorotoluene

Concen: 19.290 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW008241.D

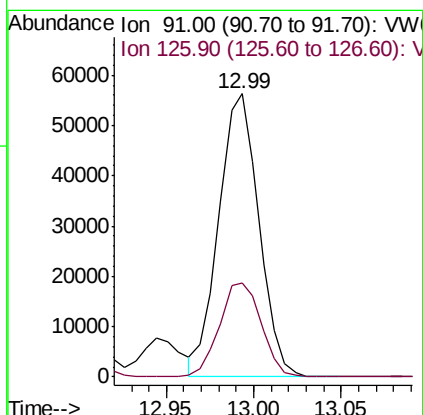
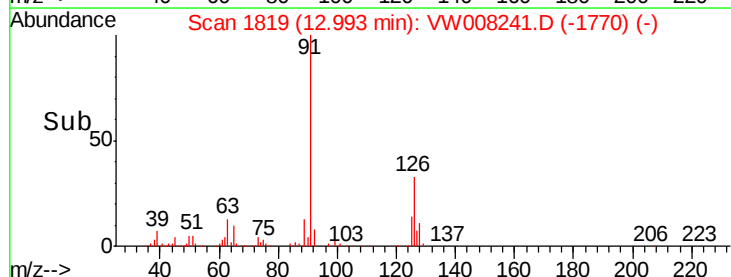
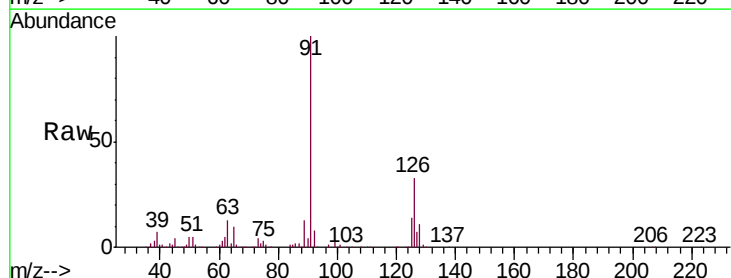
Acq: 14 Jan 2019 12:38

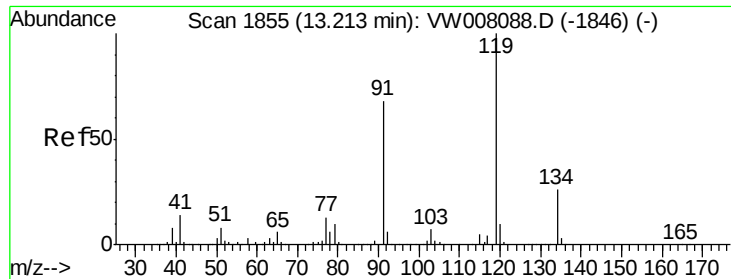
Tgt Ion: 91 Resp: 89551

Ion Ratio Lower Upper

91 100

126 34.7 16.5 49.5

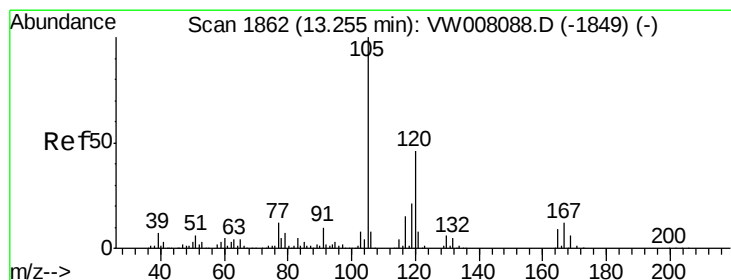
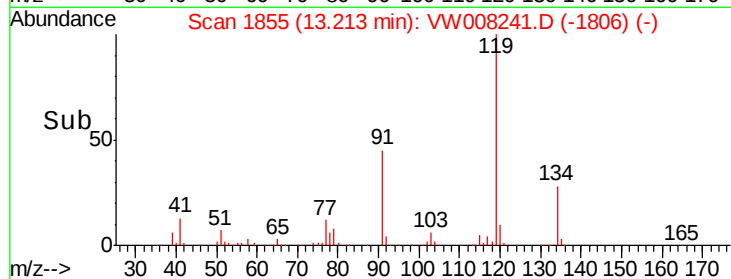
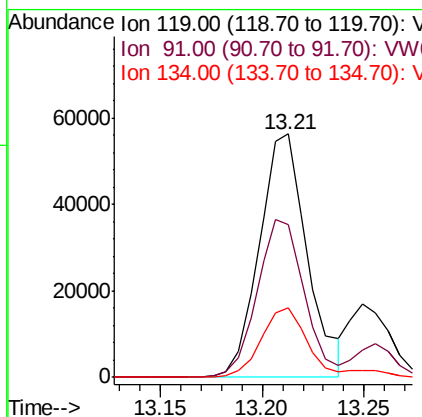
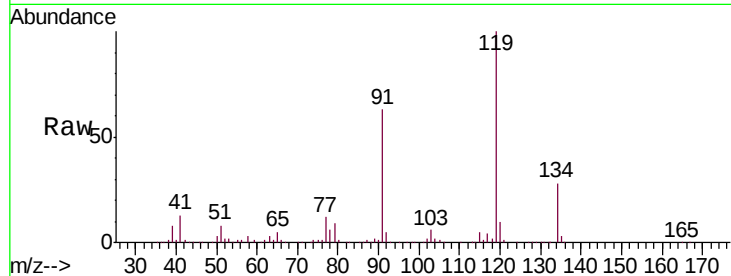




#83
 tert-Butylbenzene
 Concen: 19.658 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. -0.00 min
 Lab File: VW008241.D
 Acq: 14 Jan 2019 12:38

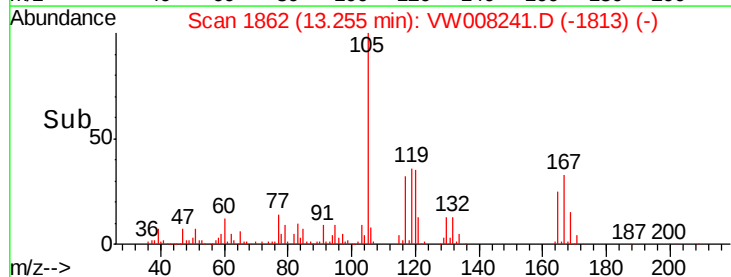
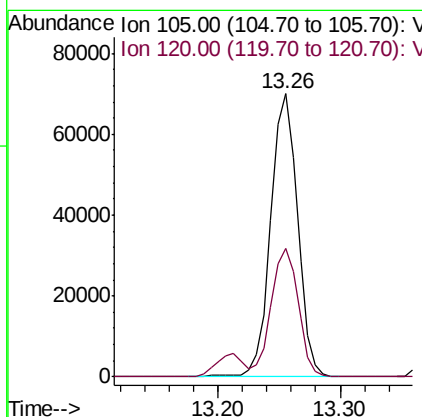
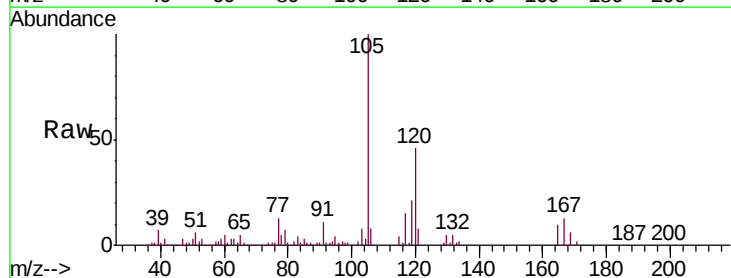
Instrument :
 MSVOA_W
 ClientSampled :
 VW0114SBSD01

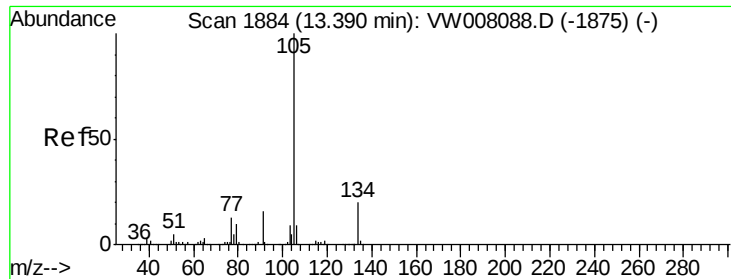
Tgt Ion:119 Resp: 92151
 Ion Ratio Lower Upper
 119 100
 91 63.9 33.9 101.6
 134 27.5 13.6 40.8



#84
 1,2,4-Trimethylbenzene
 Concen: 19.579 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW008241.D
 Acq: 14 Jan 2019 12:38

Tgt Ion:105 Resp: 106999
 Ion Ratio Lower Upper
 105 100
 120 46.1 22.7 68.1





#85

sec-Butylbenzene

Concen: 19.182 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW008241.D

Acq: 14 Jan 2019 12:38

Instrument :

MSVOA_W

ClientSampleId :

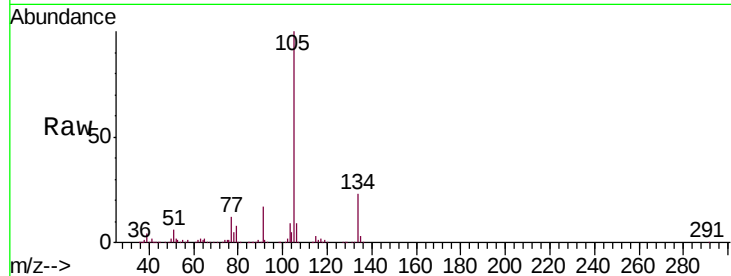
VW0114SBSD01

Tgt Ion:105 Resp: 131717

Ion Ratio Lower Upper

105 100

134 21.2 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

80000

60000

40000

20000

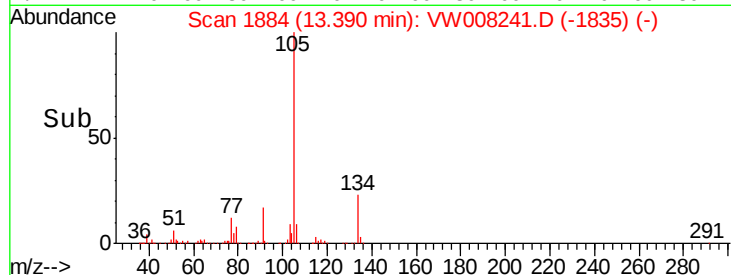
0

13.39

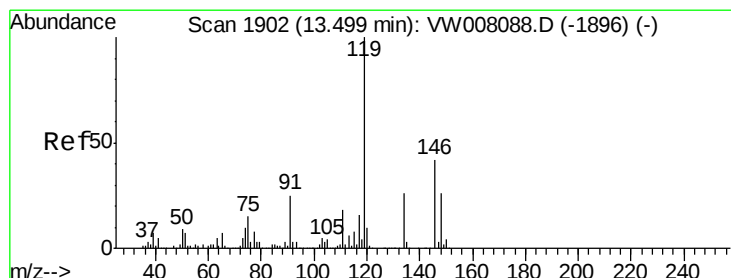
13.35

13.40

13.45



Time-->



#86

p-Isopropyltoluene

Concen: 19.760 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW008241.D

Acq: 14 Jan 2019 12:38

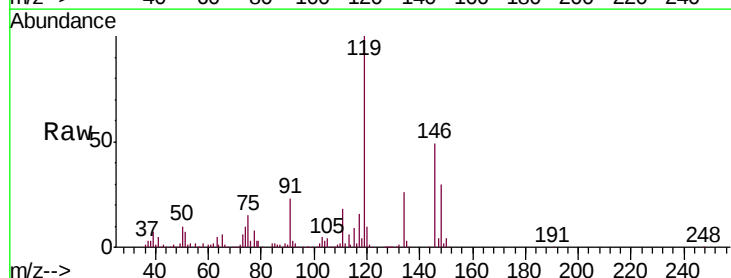
Tgt Ion:119 Resp: 117173

Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.8

91 23.8 12.3 36.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

100000

80000

60000

40000

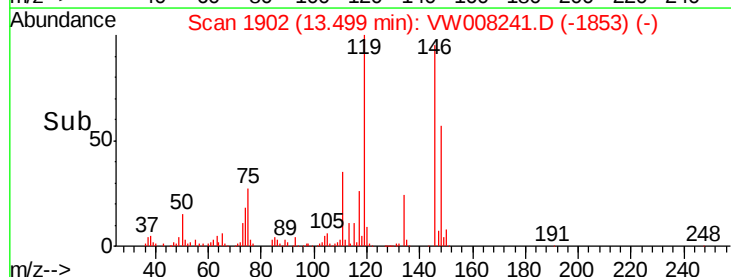
20000

0

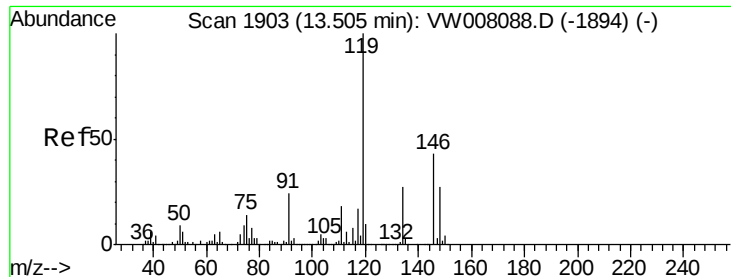
13.50

13.45

13.55



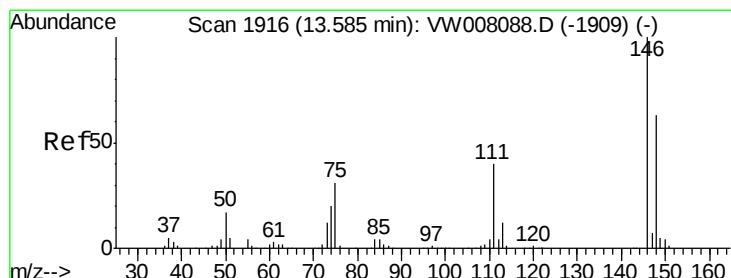
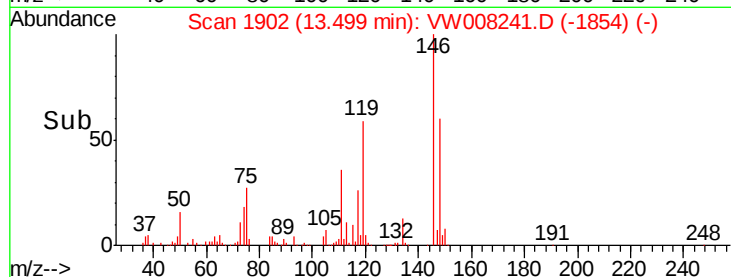
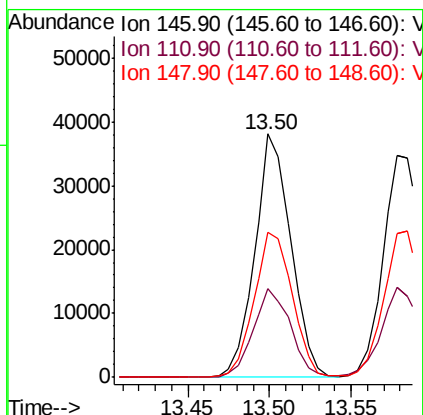
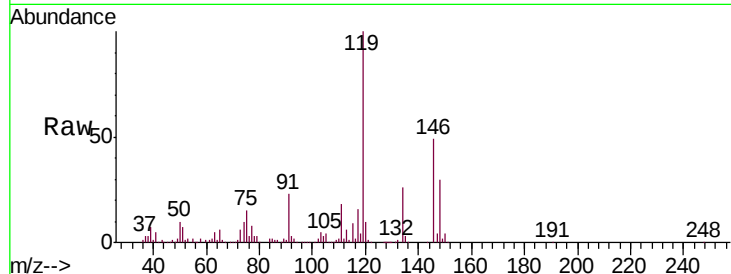
Time-->



#87
 1,3-Dichlorobenzene
 Concen: 21.106 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW008241.D
 Acq: 14 Jan 2019 12:38

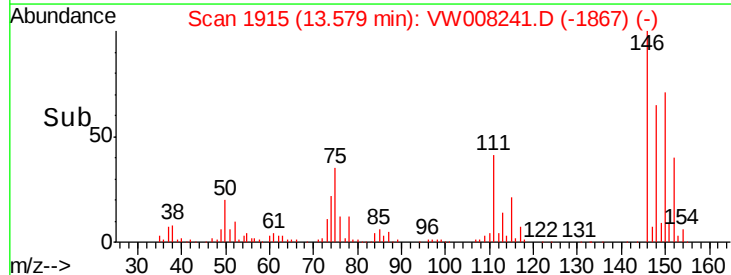
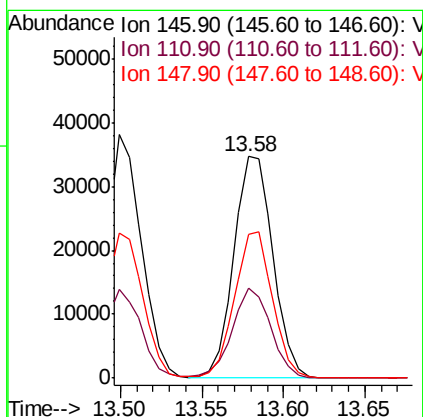
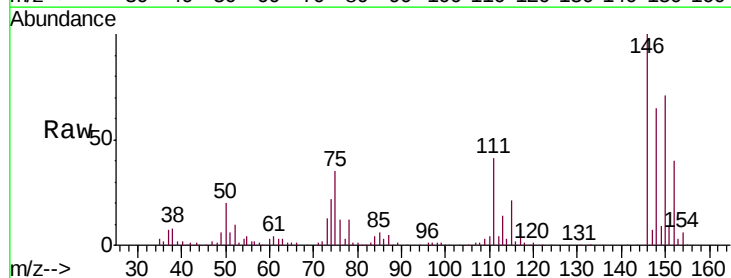
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0114SBSD01

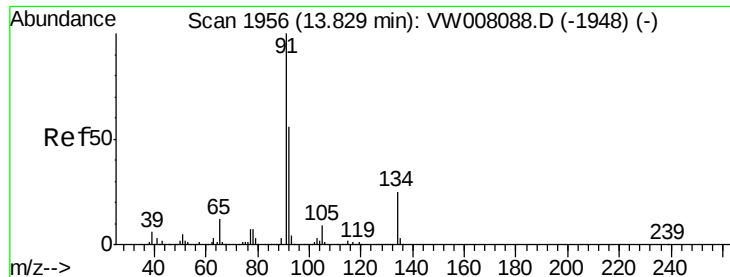
Tgt Ion:146 Resp: 58332
 Ion Ratio Lower Upper
 146 100
 111 37.5 21.1 63.1
 148 63.4 31.3 93.9



#88
 1,4-Dichlorobenzene
 Concen: 20.843 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.01 min
 Lab File: VW008241.D
 Acq: 14 Jan 2019 12:38

Tgt Ion:146 Resp: 57795
 Ion Ratio Lower Upper
 146 100
 111 40.3 20.5 61.5
 148 64.2 31.6 94.8





#89

n-Butylbenzene

Concen: 19.411 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW008241.D

Acq: 14 Jan 2019 12:38

Instrument :

MSVOA_W

ClientSampled :

VW0114SBSD01

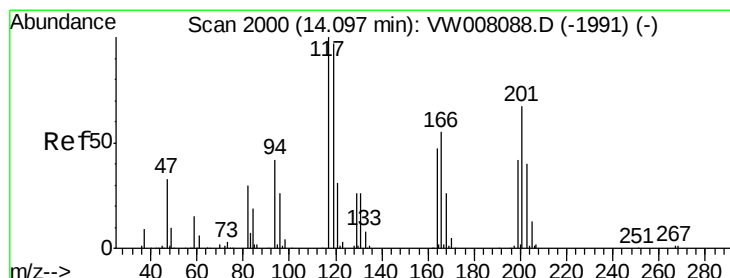
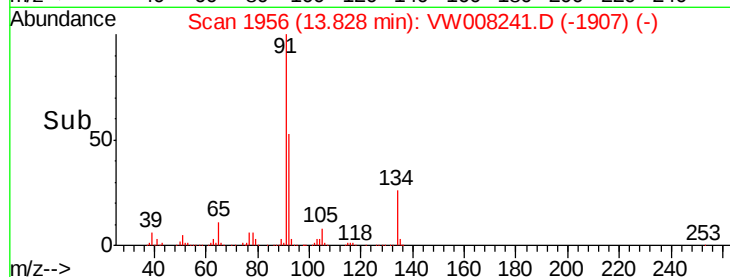
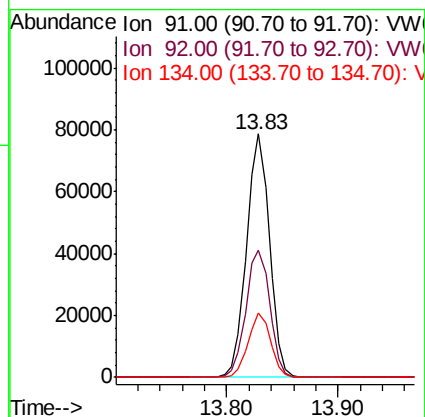
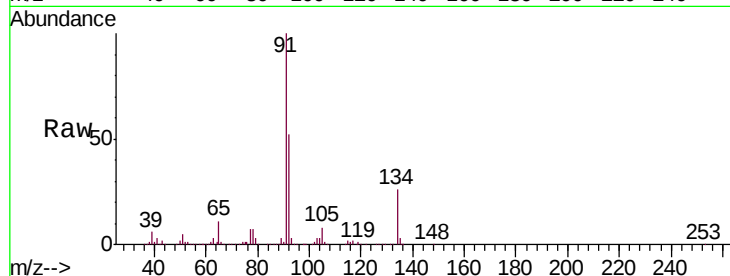
Tgt Ion: 91 Resp: 112735

Ion Ratio Lower Upper

91 100

92 54.5 27.4 82.2

134 25.9 12.6 37.8



#90

Hexachloroethane

Concen: 21.420 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW008241.D

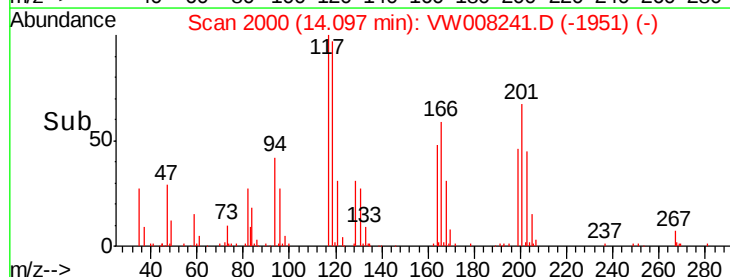
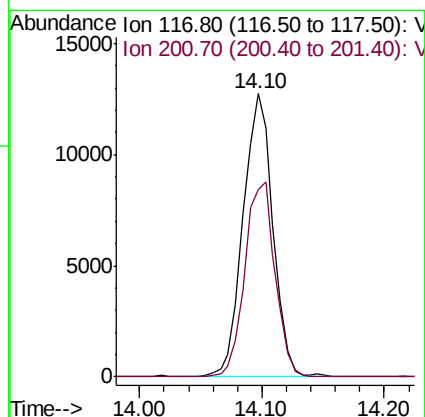
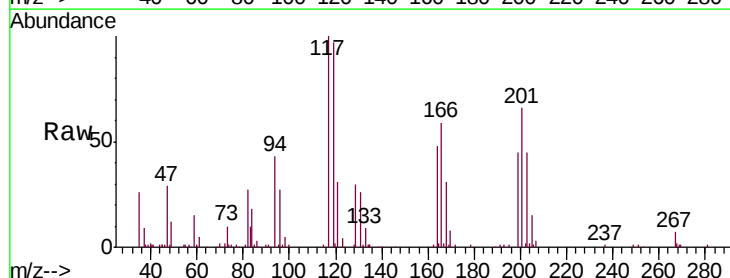
Acq: 14 Jan 2019 12:38

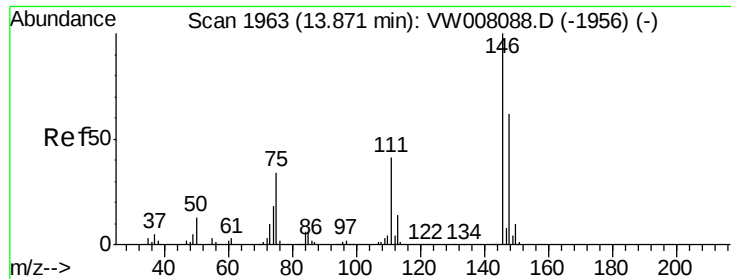
Tgt Ion: 117 Resp: 21454

Ion Ratio Lower Upper

117 100

201 70.0 33.0 98.9

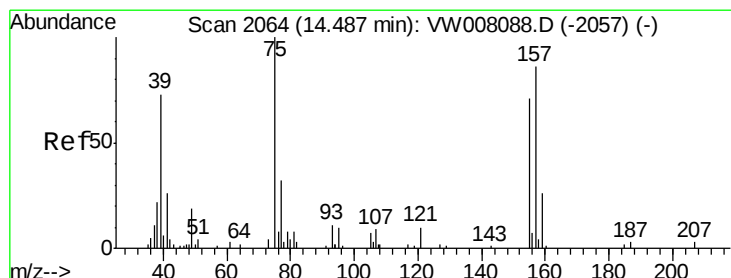
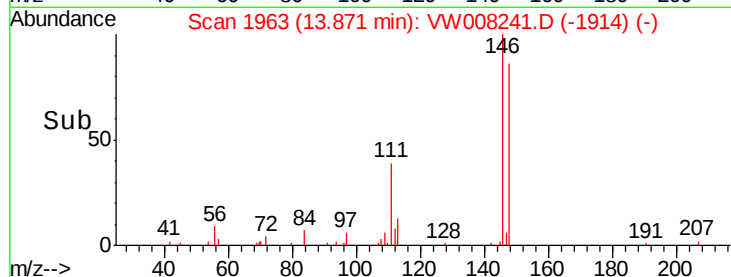
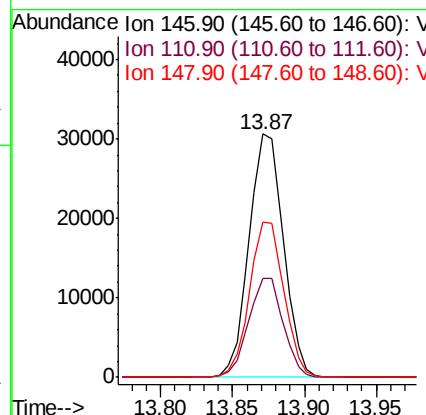
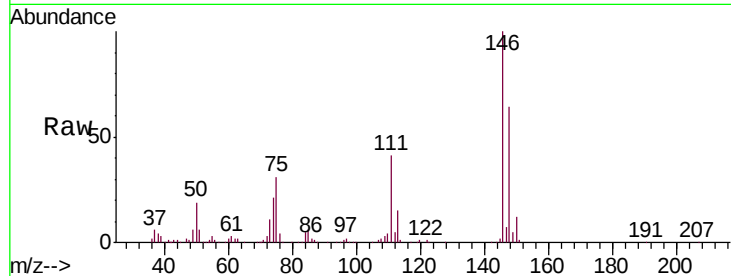




#91
 1,2-Dichlorobenzene
 Concen: 20.844 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW008241.D
 Acq: 14 Jan 2019 12:38

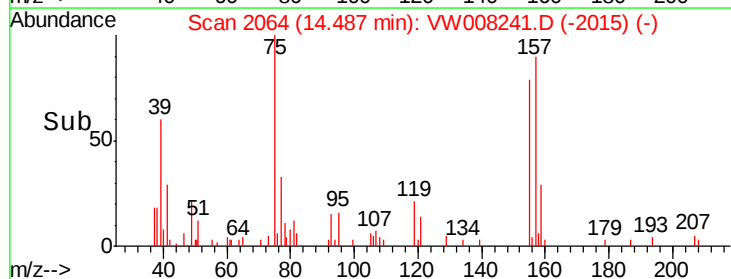
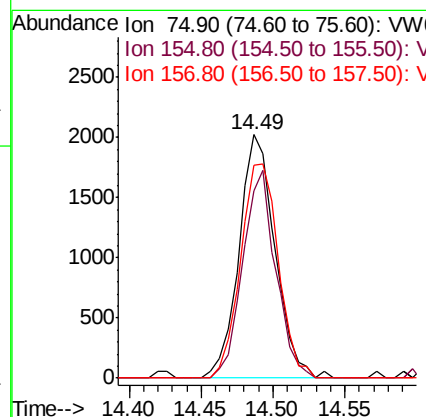
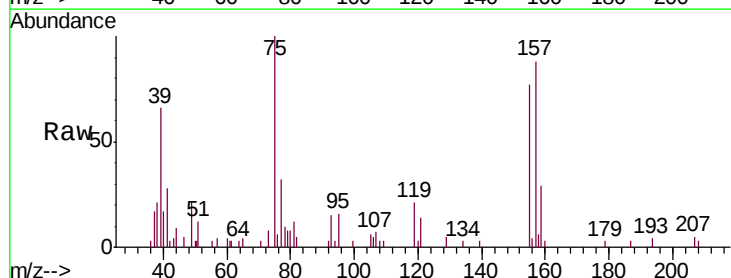
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0114SBSD01

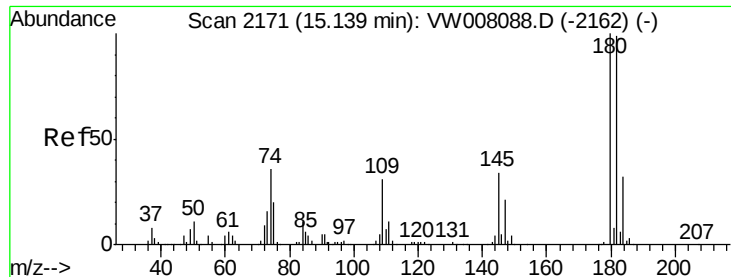
Tgt Ion:146 Resp: 50629
 Ion Ratio Lower Upper
 146 100
 111 41.0 21.3 63.7
 148 63.7 31.5 94.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.144 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW008241.D
 Acq: 14 Jan 2019 12:38

Tgt Ion: 75 Resp: 3512
 Ion Ratio Lower Upper
 75 100
 155 77.8 38.6 115.7
 157 92.0 47.5 142.6

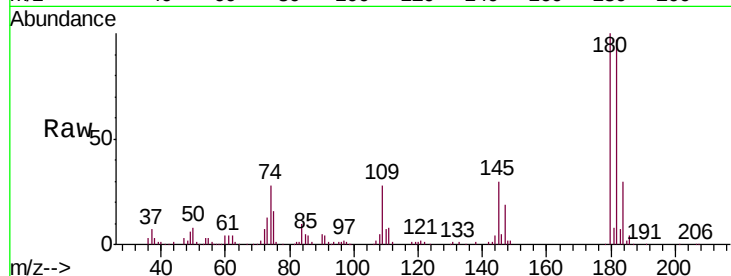




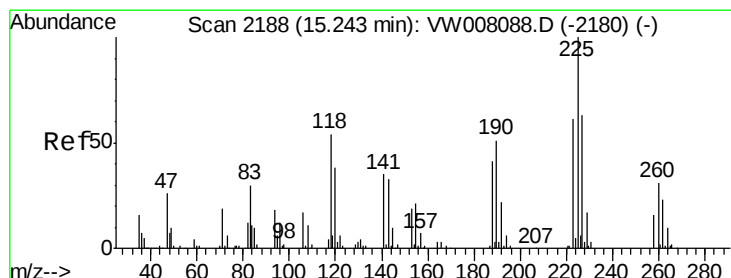
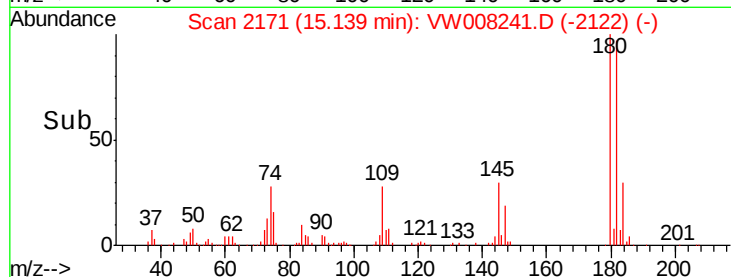
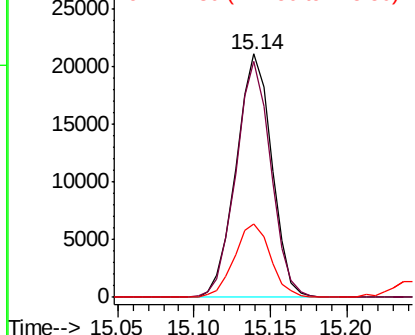
#93
 1,2,4-Trichlorobenzene
 Concen: 21.182 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW008241.D
 Acq: 14 Jan 2019 12:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0114SBSD01

Tgt Ion:180 Resp: 34159
 Ion Ratio Lower Upper
 180 100
 182 95.0 48.6 145.9
 145 30.5 16.6 49.7

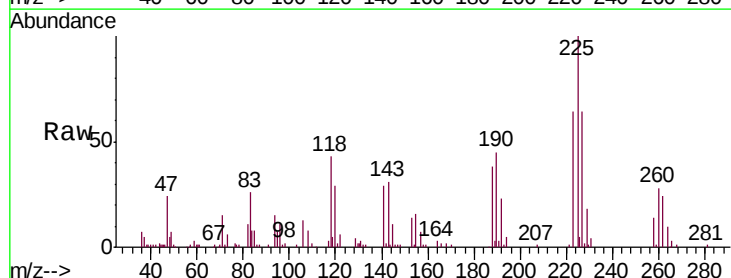


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

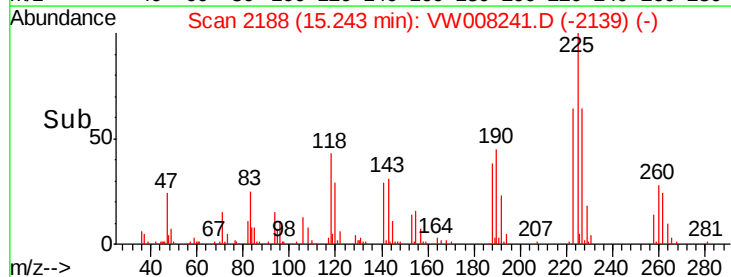
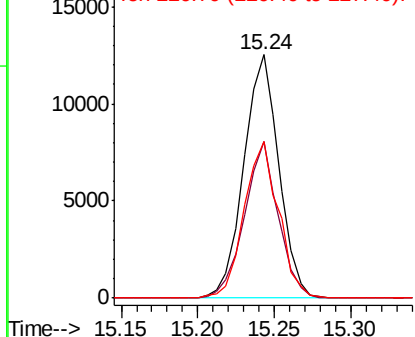


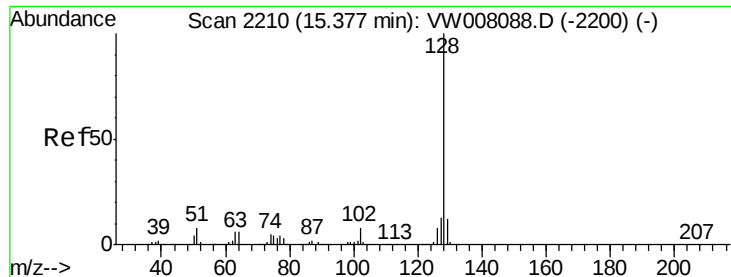
#94
 Hexachlorobutadiene
 Concen: 23.158 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW008241.D
 Acq: 14 Jan 2019 12:38

Tgt Ion:225 Resp: 19989
 Ion Ratio Lower Upper
 225 100
 223 61.5 31.4 94.3
 227 62.9 32.0 96.2



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

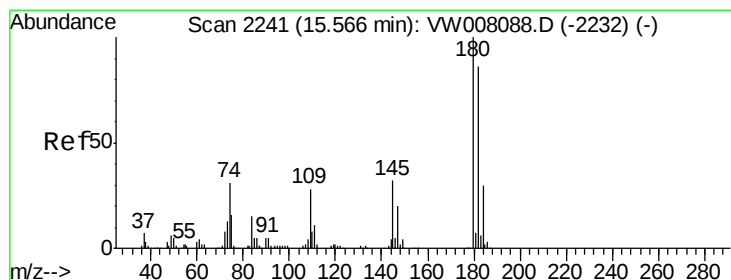
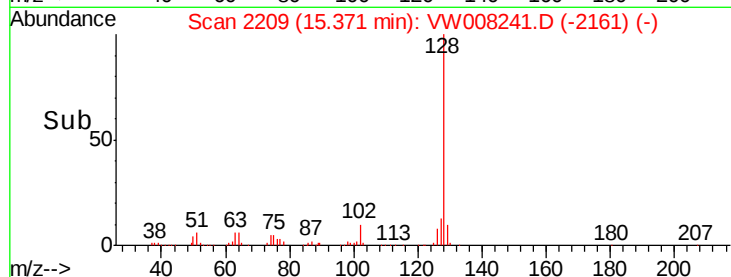
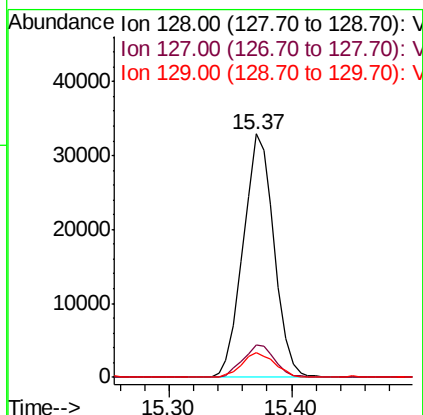
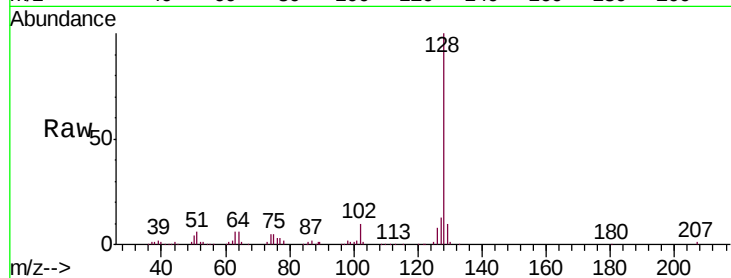




#95
Naphthalene
Concen: 19.176 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.01 min
Lab File: VW008241.D
Acq: 14 Jan 2019 12:38

Instrument :
MSVOA_W
ClientSampleId :
VW0114SBSD01

Tgt Ion:128 Resp: 57742
Ion Ratio Lower Upper
128 100
127 13.9 11.0 16.4
129 10.9 9.0 13.6



#96
1,2,3-Trichlorobenzene
Concen: 21.788 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW008241.D
Acq: 14 Jan 2019 12:38

Tgt Ion:180 Resp: 29953
Ion Ratio Lower Upper
180 100
182 95.3 46.5 139.3
145 31.6 17.4 52.2

