

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052819\
 Data File : VW010568.D
 Acq On : 28 May 2019 15:38
 Operator : SY/VA
 Sample : VW0528SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0528SBSD01

Quant Time: May 29 07:01:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 06:38:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	134469	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	220453	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	197952	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	98980	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	68115	49.08	ug/l	0.00
Spiked Amount			Recovery	=	98.16%	
35) Dibromofluoromethane	7.88	113	70336	52.58	ug/l	0.00
Spiked Amount			Recovery	=	105.16%	
50) Toluene-d8	10.32	98	265869	52.03	ug/l	0.00
Spiked Amount			Recovery	=	104.06%	
62) 4-Bromofluorobenzene	12.62	95	103746	50.97	ug/l	0.00
Spiked Amount			Recovery	=	101.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	19294	15.915	ug/l	99
3) Chloromethane	2.21	50	21526	15.236	ug/l	96
4) Vinyl Chloride	2.35	62	24818	15.165	ug/l	97
5) Bromomethane	2.75	94	19080	16.947	ug/l	96
6) Chloroethane	2.90	64	17209	16.381	ug/l	99
7) Trichlorofluoromethane	3.25	101	47689	19.738	ug/l	99
8) Diethyl Ether	3.68	74	15660	20.447	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	29928	20.114	ug/l	95
10) Methyl Iodide	4.26	142	28154	16.554	ug/l	96
11) Tert butyl alcohol	5.17	59	21143	169.354	ug/l #	80
12) 1,1-Dichloroethene	4.03	96	28051	19.749	ug/l	98
13) Acrolein	3.90	56	7766	92.718	ug/l	99
14) Allyl chloride	4.67	41	39169	19.052	ug/l	99
15) Acrylonitrile	5.37	53	32863	102.456	ug/l	97
16) Acetone	4.13	43	29112	102.756	ug/l	98
17) Carbon Disulfide	4.37	76	73231	17.286	ug/l	100
18) Methyl Acetate	4.67	43	15173	21.898	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	72613	20.054	ug/l	99
20) Methylene Chloride	4.92	84	30625	14.859	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	32105	19.706	ug/l	99
22) Diisopropyl ether	6.31	45	81759	19.394	ug/l	94
23) Vinyl Acetate	6.26	43	248029	98.495	ug/l	99
24) 1,1-Dichloroethane	6.21	63	51011	20.277	ug/l	98
25) 2-Butanone	7.17	43	45133	111.317	ug/l	99
26) 2,2-Dichloropropane	7.16	77	50350	21.011	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	36249	20.466	ug/l	99
28) Bromochloromethane	7.51	49	18350	20.373	ug/l	92
29) Tetrahydrofuran	7.53	42	28105	102.440	ug/l	99
30) Chloroform	7.68	83	55711	20.531	ug/l	97
31) Cyclohexane	7.95	56	48303	18.330	ug/l #	88
32) 1,1,1-Trichloroethane	7.87	97	52402	20.205	ug/l	98
36) 1,1-Dichloropropene	8.08	75	42719	20.802	ug/l	99
37) Ethyl Acetate	7.25	43	19628	22.476	ug/l	99
38) Carbon Tetrachloride	8.07	117	48323	21.813	ug/l	97

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 Quant Title : SW846 8260
 QLast Update : Tue May 21 06:38:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	57509	20.902	ug/l	96
40) Benzene	8.32	78	120441	21.101	ug/l	99
41) Methacrylonitrile	7.49	41	11567	22.292	ug/l	95
42) 1,2-Dichloroethane	8.40	62	35022	21.468	ug/l	99
43) Isopropyl Acetate	8.43	43	37801	21.667	ug/l	99
44) Trichloroethene	9.09	130	37325	22.026	ug/l	98
45) 1,2-Dichloropropane	9.37	63	28940	21.348	ug/l	100
46) Dibromomethane	9.46	93	17407	21.956	ug/l	94
47) Bromodichloromethane	9.65	83	42414	21.289	ug/l	100
48) Methyl methacrylate	9.44	41	16289	20.408	ug/l	97
49) 1,4-Dioxane	9.45	88	5523	426.458	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	95400	107.911	ug/l	99
52) Toluene	10.39	92	82296	21.469	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	42518	21.072	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	49157	21.332	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	25487	22.356	ug/l	97
56) Ethyl methacrylate	10.65	69	32188	20.472	ug/l	99
57) 1,3-Dichloropropane	10.93	76	42336	22.169	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	77032	110.610	ug/l	97
59) 2-Hexanone	10.97	43	67509	107.048	ug/l	100
60) Dibromochloromethane	11.13	129	31891	22.103	ug/l	99
61) 1,2-Dibromoethane	11.24	107	25761	22.307	ug/l	98
64) Tetrachloroethene	10.86	164	31399	22.754	ug/l	98
65) Chlorobenzene	11.66	112	92108	21.833	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	33503	22.169	ug/l	99
67) Ethyl Benzene	11.73	91	159067	21.356	ug/l	100
68) m/p-Xylenes	11.84	106	125823	43.067	ug/l	99
69) o-Xylene	12.16	106	59772	21.594	ug/l	100
70) Styrene	12.18	104	101461	21.603	ug/l	99
71) Bromoform	12.35	173	18327	22.021	ug/l #	99
73) Isopropylbenzene	12.46	105	163479	20.814	ug/l	100
74) N-amyl acetate	12.27	43	34588	19.217	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	29561	20.692	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	37575	37.399	ug/l #	1
77) Bromobenzene	12.75	156	39393	22.412	ug/l	95
78) n-propylbenzene	12.80	91	185893	20.309	ug/l	99
79) 2-Chlorotoluene	12.90	91	109377	20.605	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	138344	20.797	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	9430	19.588	ug/l	96
82) 4-Chlorotoluene	12.99	91	113269	20.558	ug/l	97
83) tert-Butylbenzene	13.21	119	120049	20.660	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	136397	20.587	ug/l	100
85) sec-Butylbenzene	13.38	105	167010	20.538	ug/l	99
86) p-Isopropyltoluene	13.50	119	153570	20.865	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	75457	21.882	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	75186	21.731	ug/l	99
89) n-Butylbenzene	13.83	91	139155	19.876	ug/l	99
90) Hexachloroethane	14.10	117	29135	20.451	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	69232	22.034	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	5116	19.259	ug/l	93

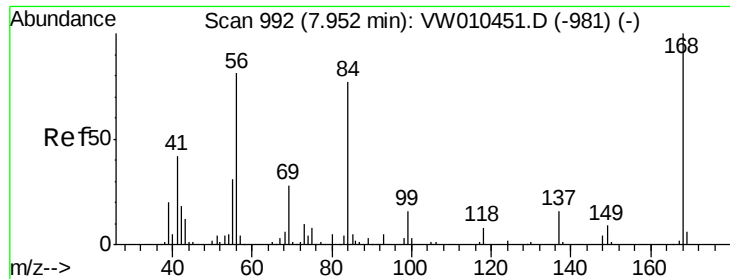
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW052819\
Data File : VW010568.D
Acq On : 28 May 2019 15:38
Operator : SY/VA
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Quant Title : SW846 8260
QLast Update : Tue May 21 06:38:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	47334	22.141	ug/l	99
94) Hexachlorobutadiene	15.24	225	25482	22.312	ug/l	99
95) Naphthalene	15.37	128	95554	21.293	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	41952	22.806	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010568.D

Acq: 28 May 2019 15:38

Instrument :

MSVOA_W

ClientSampleId :

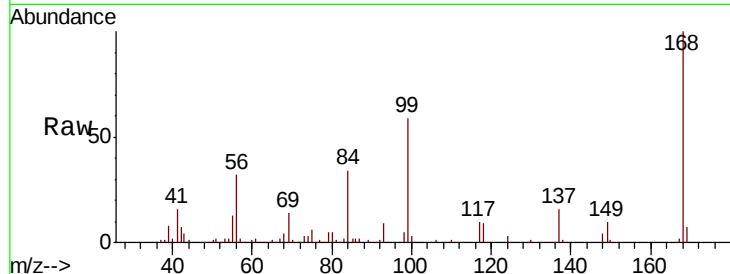
VW0528SBSD01

Tot Ion:168 Resp: 134469

Ion Ratio Lower Upper

168 100

99 58.7 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

60000

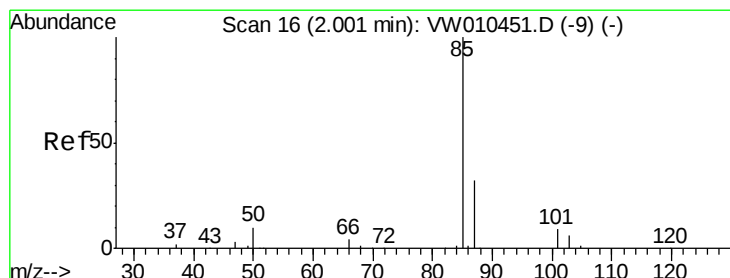
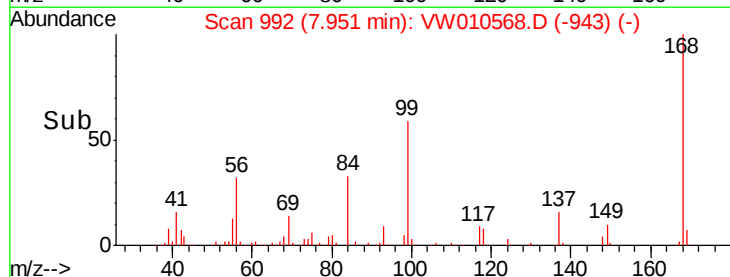
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 15.915 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.01 min

Lab File: VW010568.D

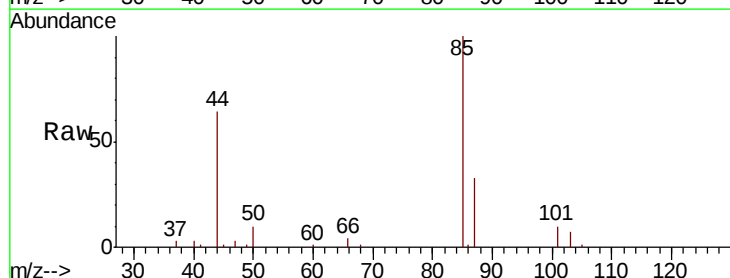
Acq: 28 May 2019 15:38

Tgt Ion: 85 Resp: 19294

Ion Ratio Lower Upper

85 100

87 33.2 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

12000

10000

8000

6000

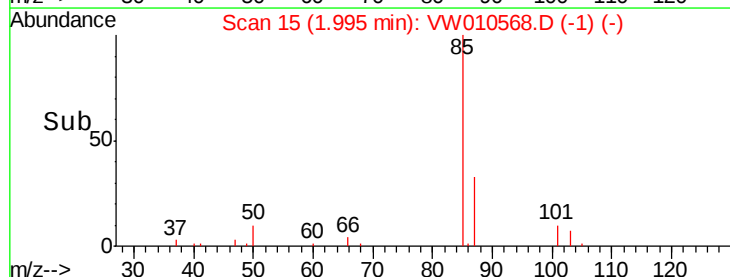
4000

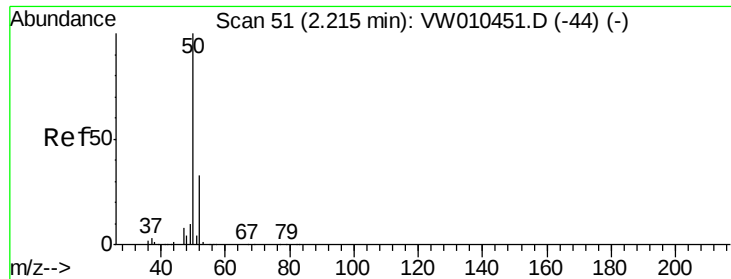
2000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 15.236 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW010568.D

Acq: 28 May 2019 15:38

Instrument :

MSVOA_W

ClientSampleId :

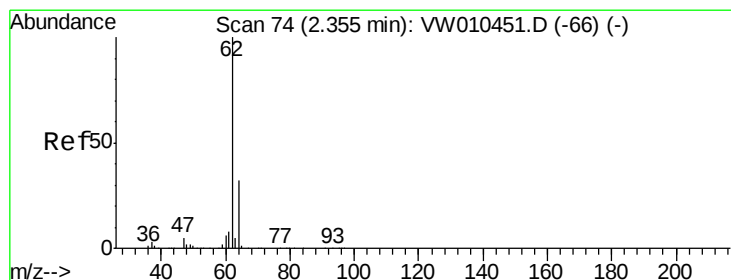
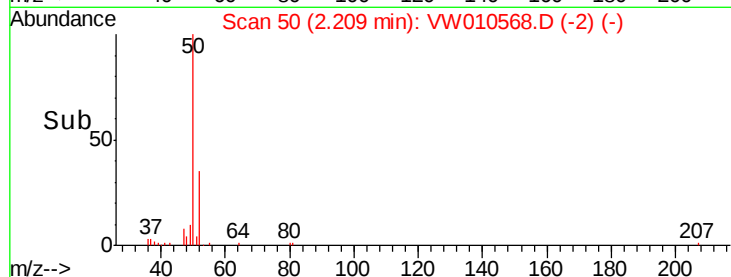
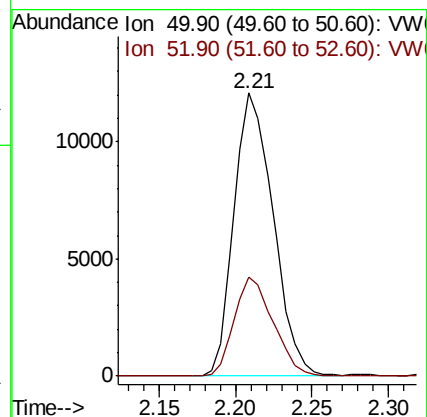
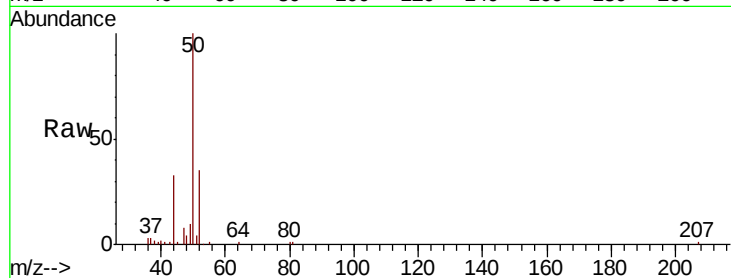
VW0528SBSD01

Tot Ion: 50 Resp: 21526

Ion Ratio Lower Upper

50 100

52 35.0 26.3 39.5



#4

Vinyl Chloride

Concen: 15.165 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW010568.D

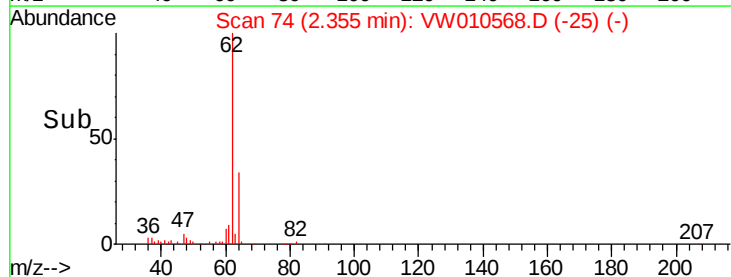
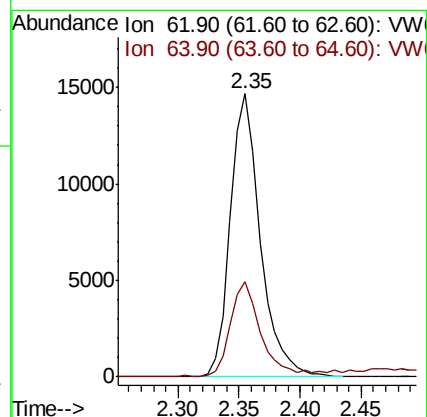
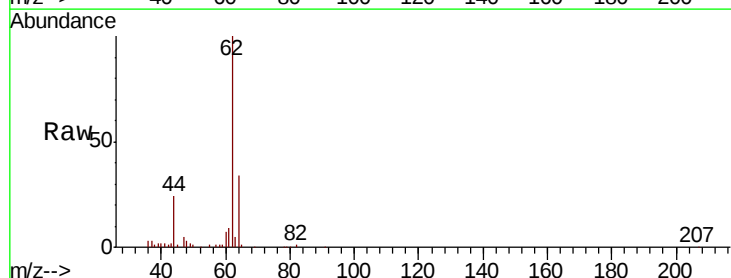
Acq: 28 May 2019 15:38

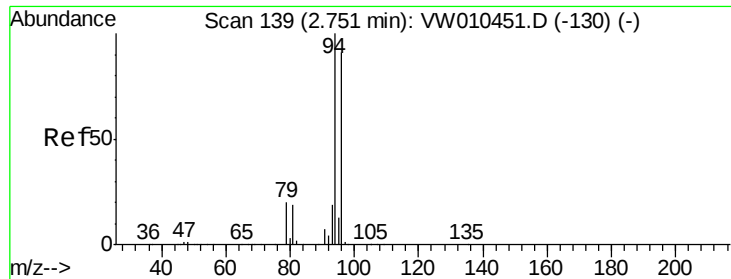
Tgt Ion: 62 Resp: 24818

Ion Ratio Lower Upper

62 100

64 33.8 25.8 38.8





#5

Bromomethane

Concen: 16.947 ug/l

RT: 2.75 min Scan# 138

Delta R.T. -0.01 min

Lab File: VW010568.D

Acq: 28 May 2019 15:38

Instrument :

MSVOA_W

ClientSampleId :

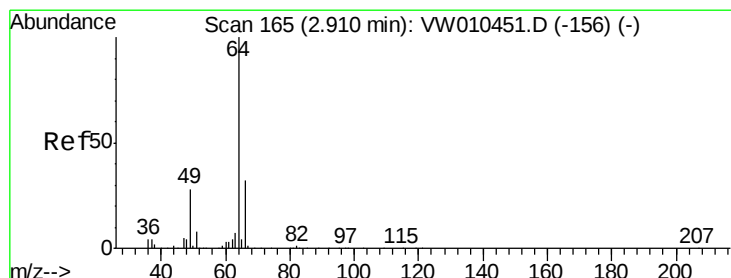
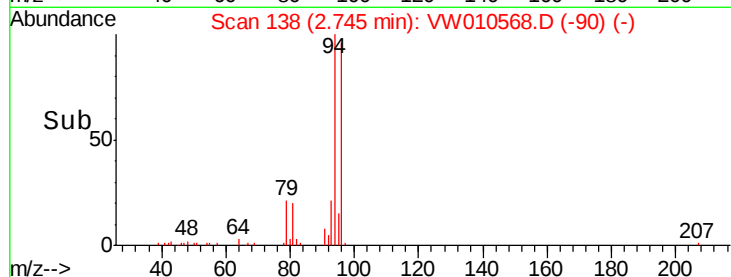
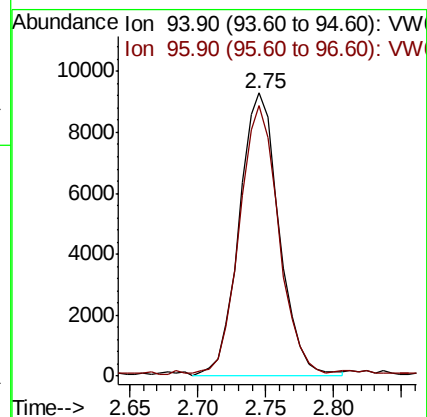
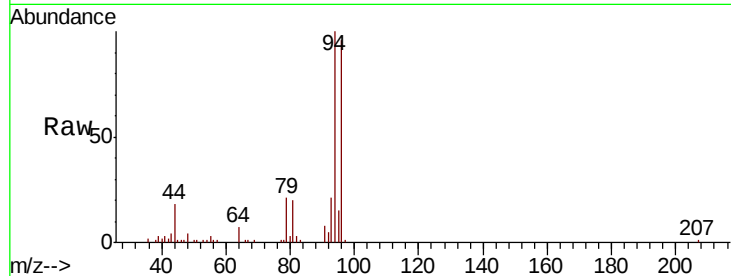
VW0528SBSD01

Tot Ion: 94 Resp: 19080

Ion Ratio Lower Upper

94 100

96 94.7 72.9 109.3



#6

Chloroethane

Concen: 16.381 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW010568.D

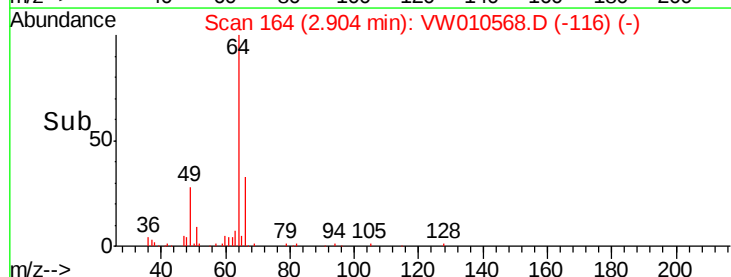
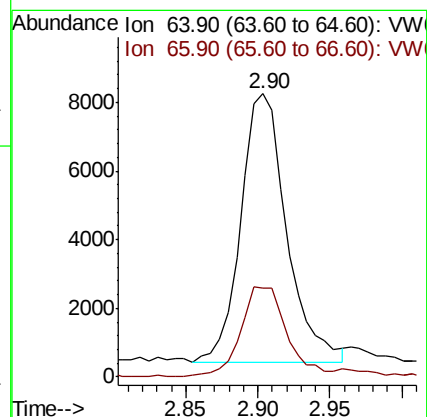
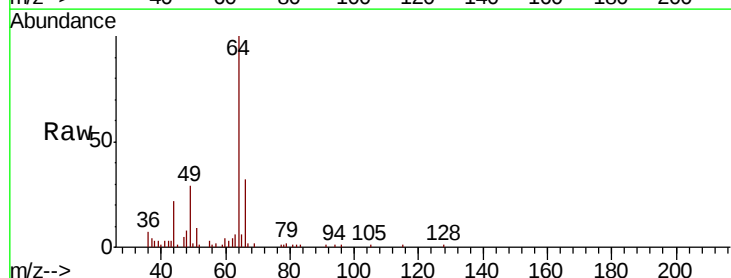
Acq: 28 May 2019 15:38

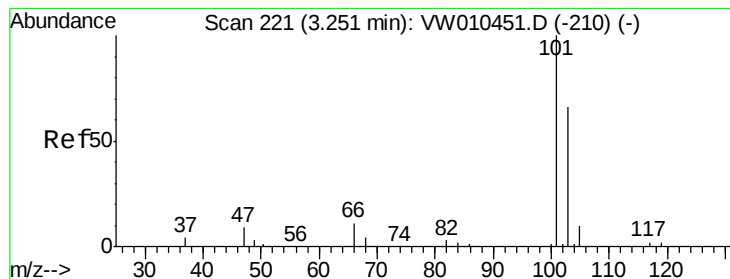
Tgt Ion: 64 Resp: 17209

Ion Ratio Lower Upper

64 100

66 32.5 25.5 38.3



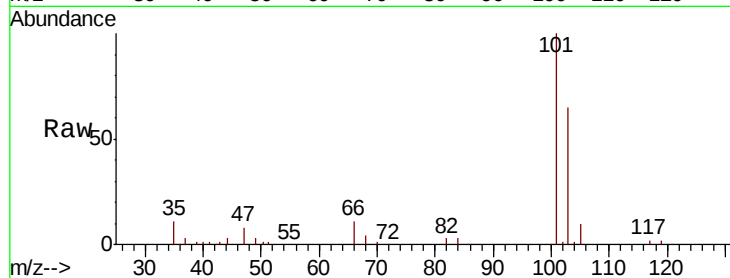


#7

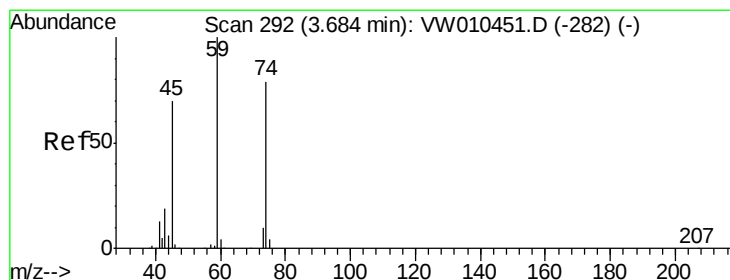
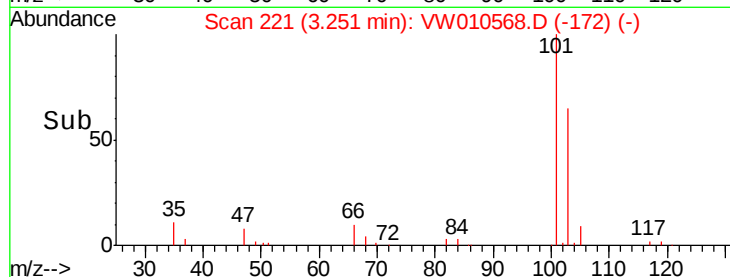
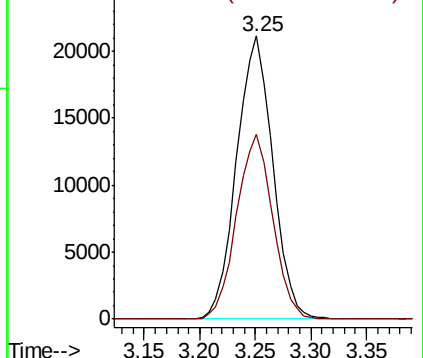
Trichlorofluoromethane
 Concen: 19.738 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW010568.D
 Acq: 28 May 2019 15:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0528SBSD01

Tot Ion:101 Resp: 47689
 Ion Ratio Lower Upper
 101 100
 103 65.3 53.0 79.4



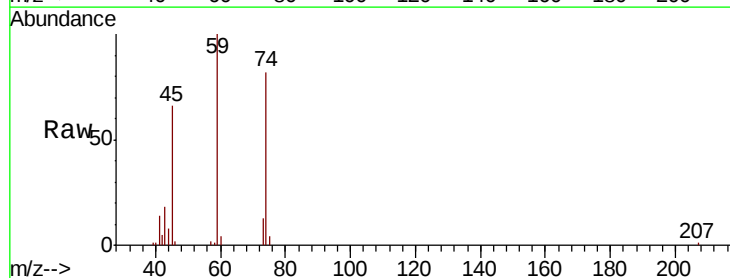
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



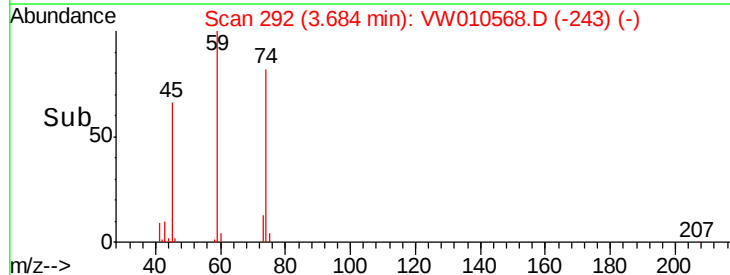
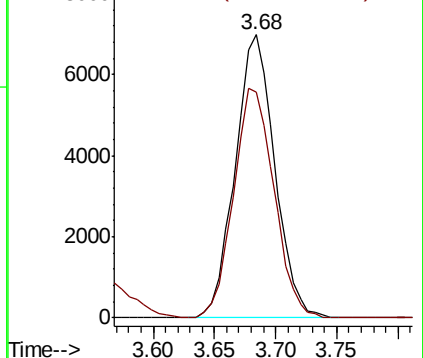
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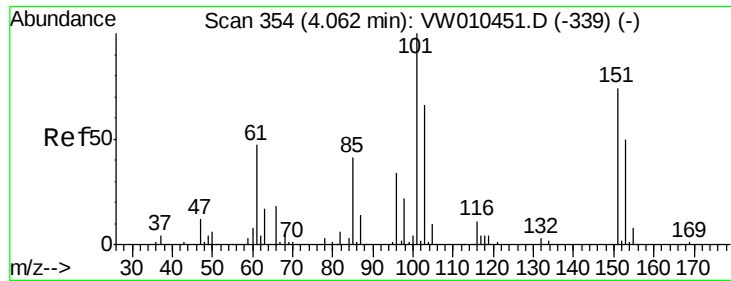
Diethyl Ether
 Concen: 20.447 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. -0.00 min
 Lab File: VW010568.D
 Acq: 28 May 2019 15:38

Tgt Ion: 74 Resp: 15660
 Ion Ratio Lower Upper
 74 100
 45 83.0 42.9 128.5



Abundance Ion 74.00 (73.70 to 74.70): VW
 Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.114 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW010568.D

Acq: 28 May 2019 15:38

Instrument :

MSVOA_W

ClientSampleId :

VW0528SBS01

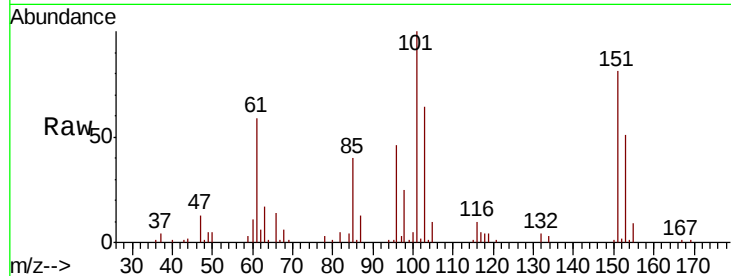
Tot Ion:101 Resp: 29928

Ion Ratio Lower Upper

101 100

85 42.1 34.3 51.5

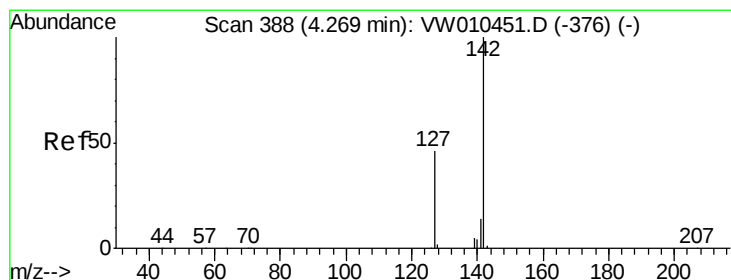
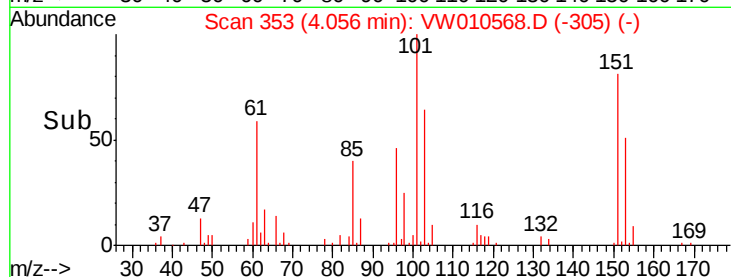
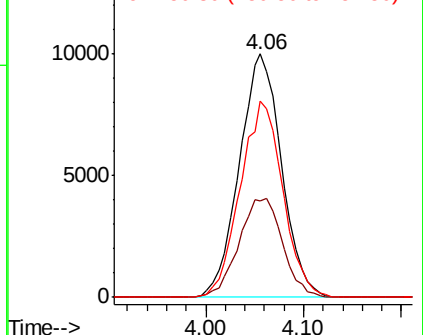
151 81.6 60.3 90.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 16.554 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW010568.D

Acq: 28 May 2019 15:38

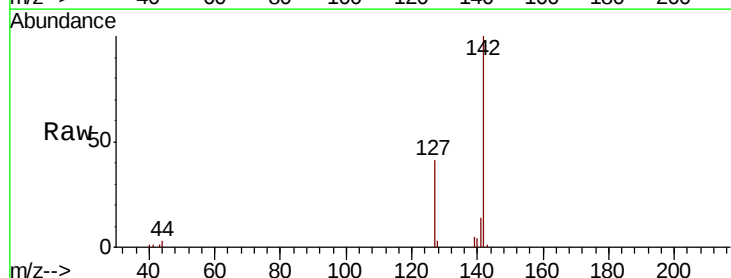
Tgt Ion:142 Resp: 28154

Ion Ratio Lower Upper

142 100

127 42.2 36.1 54.1

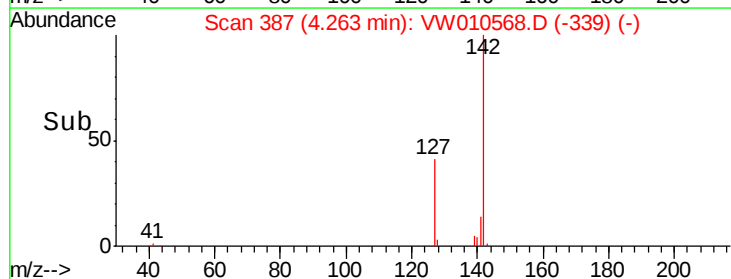
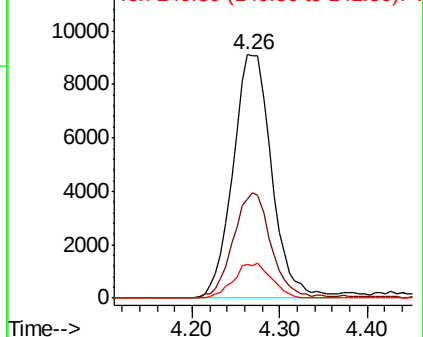
141 13.7 11.3 16.9

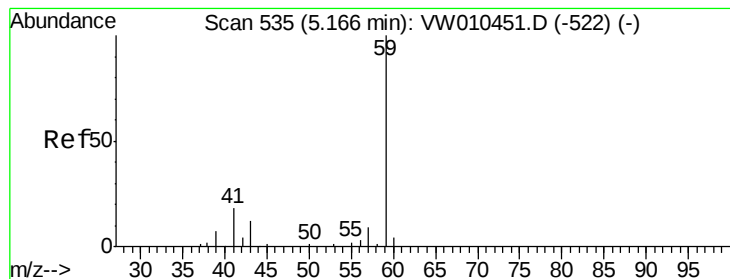


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



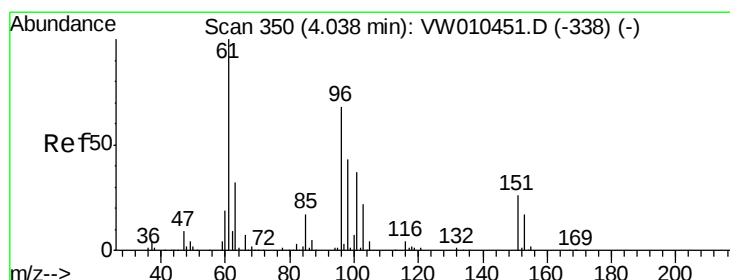
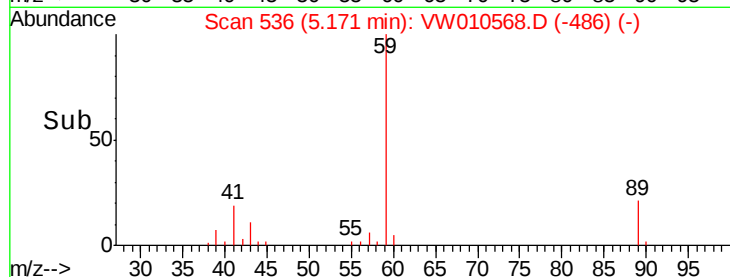
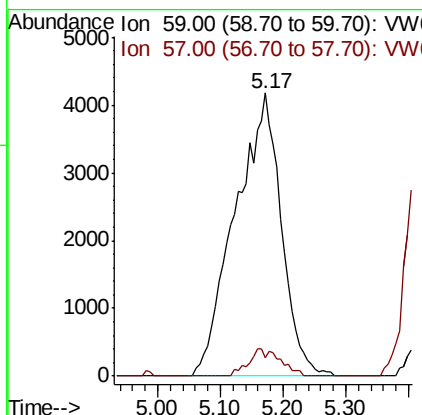
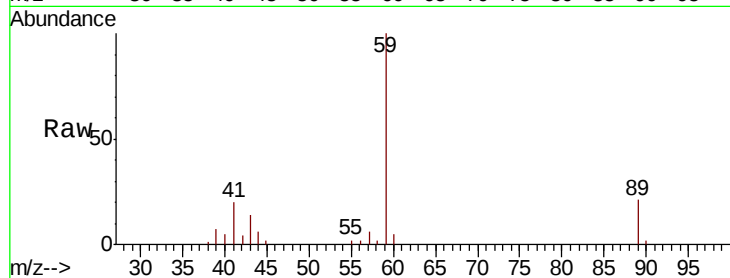


#11

Tert butyl alcohol
 Concen: 169.354 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. 0.01 min
 Lab File: VW010568.D
 Acq: 28 May 2019 15:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0528SBSD01

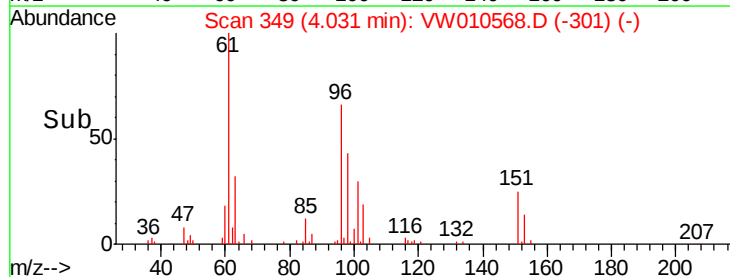
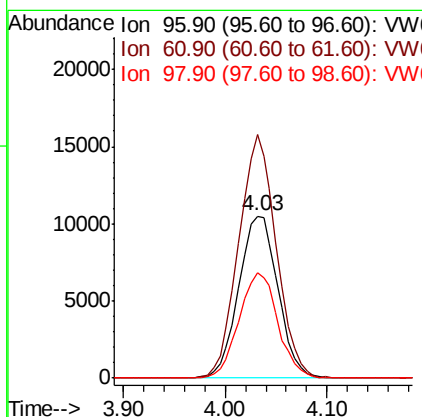
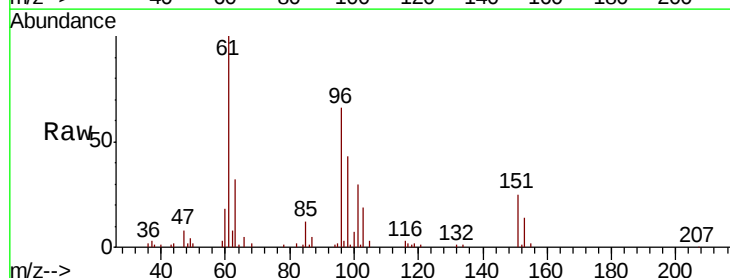
Tot Ion: 59 Resp: 21143
 Ion Ratio Lower Upper
 59 100
 57 3.6 8.8 13.2#

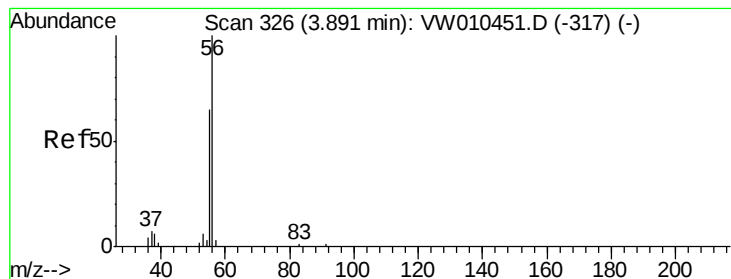


#12

1,1-Dichloroethene
 Concen: 19.749 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW010568.D
 Acq: 28 May 2019 15:38

Tgt Ion: 96 Resp: 28051
 Ion Ratio Lower Upper
 96 100
 61 150.5 118.3 177.5
 98 64.9 51.0 76.6





#13

Acrolein

Concen: 92.718 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW010568.D

Acq: 28 May 2019 15:38

Instrument :

MSVOA_W

ClientSampleId :

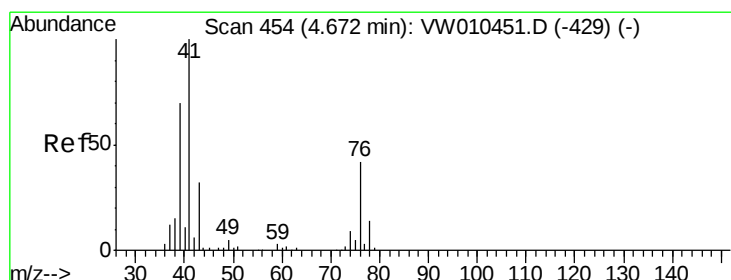
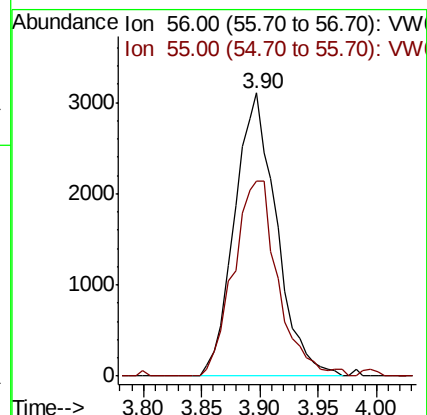
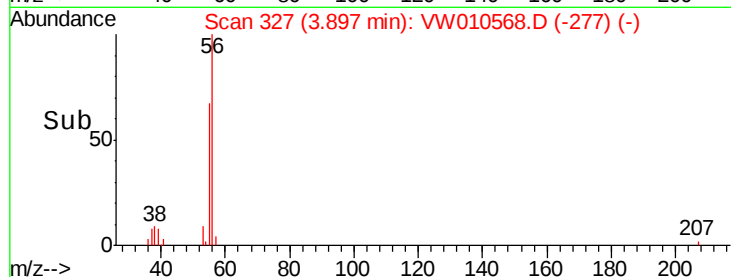
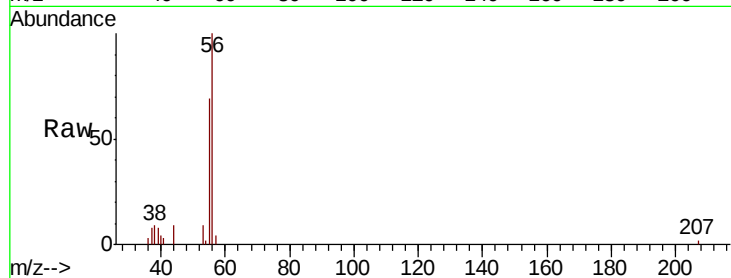
VW0528SBSD01

Tot Ion: 56 Resp: 7766

Ion Ratio Lower Upper

56 100

55 73.4 57.9 86.9



#14

Allyl chloride

Concen: 19.052 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW010568.D

Acq: 28 May 2019 15:38

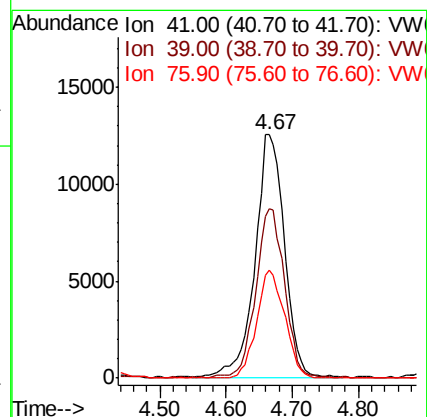
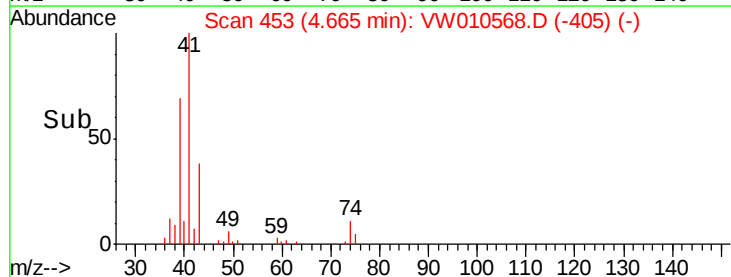
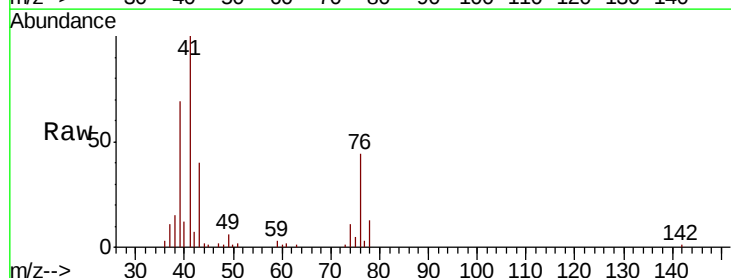
Tgt Ion: 41 Resp: 39169

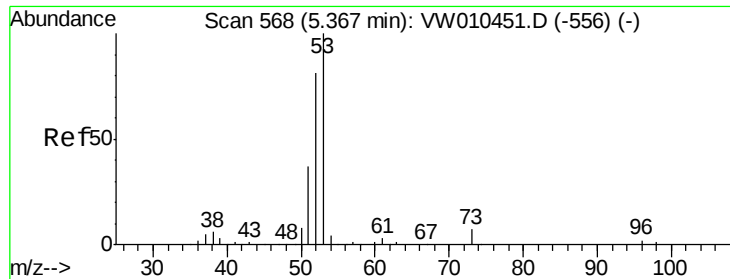
Ion Ratio Lower Upper

41 100

39 67.8 55.0 82.4

76 41.9 32.8 49.2





#15

Acrylonitrile

Concen: 102.456 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW010568.D

Acq: 28 May 2019 15:38

Instrument :

MSVOA_W

ClientSampled :

VW0528SBS01

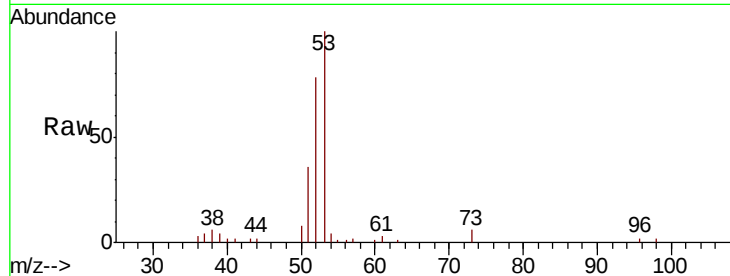
Tot Ion: 53 Resp: 32863

Ion Ratio Lower Upper

53 100

52 79.1 65.6 98.4

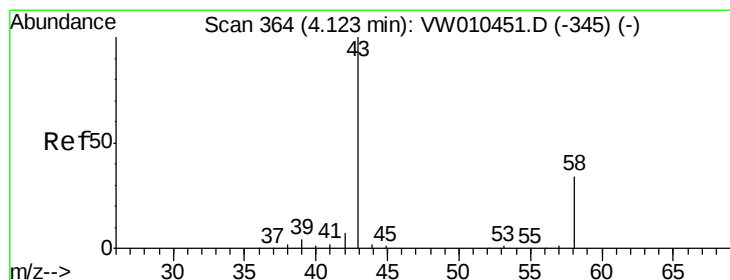
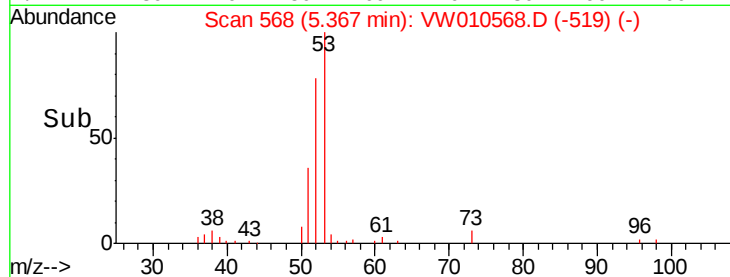
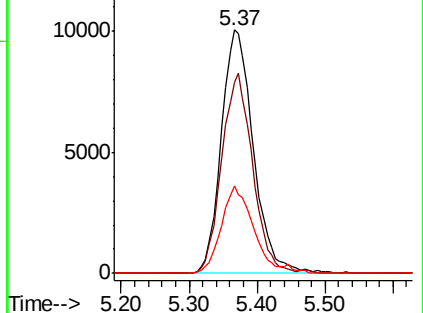
51 36.4 29.5 44.3



Abundance Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 102.756 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW010568.D

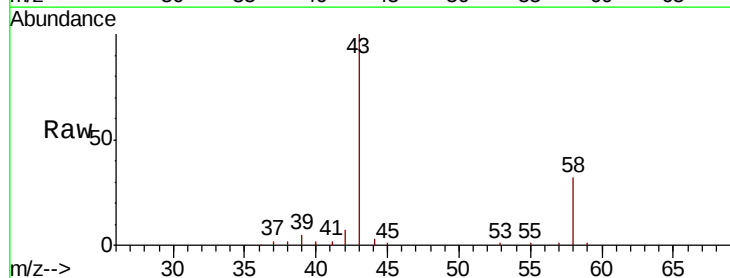
Acq: 28 May 2019 15:38

Tgt Ion: 43 Resp: 29112

Ion Ratio Lower Upper

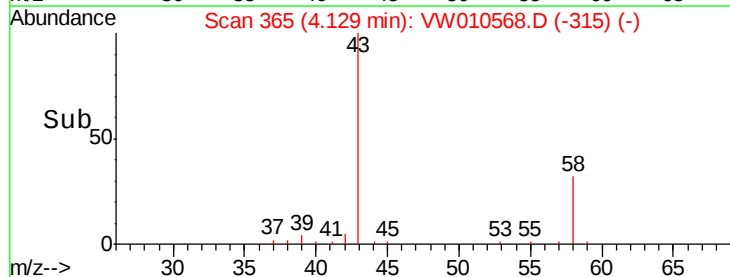
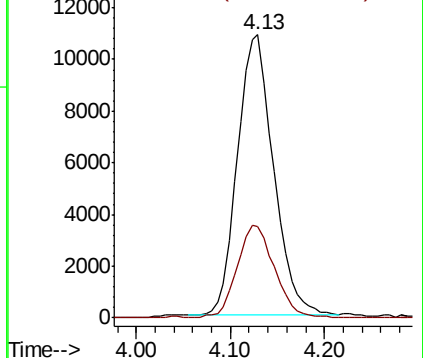
43 100

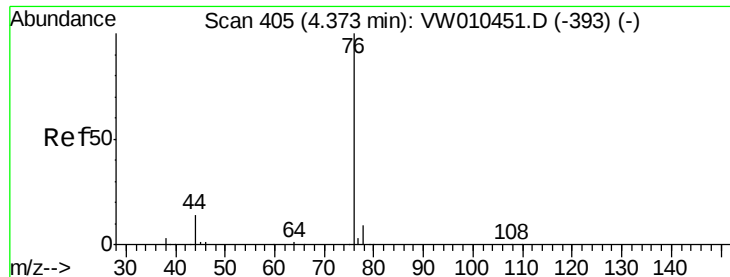
58 32.6 27.0 40.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

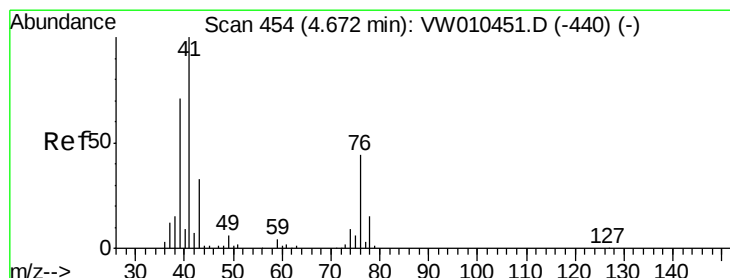
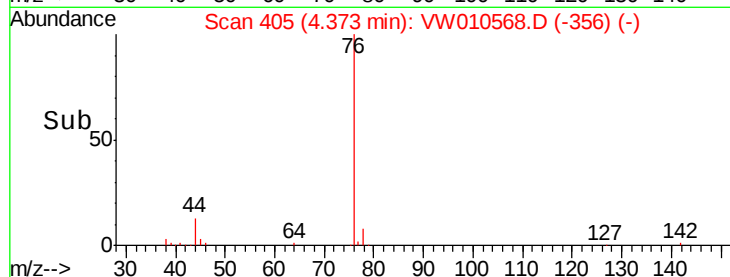
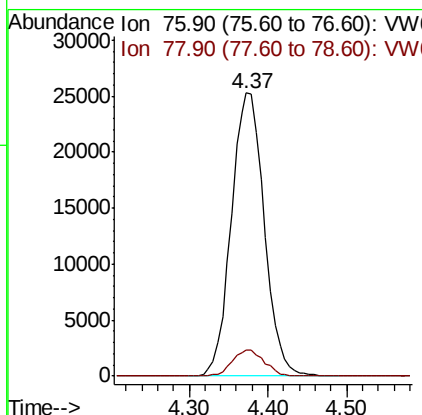
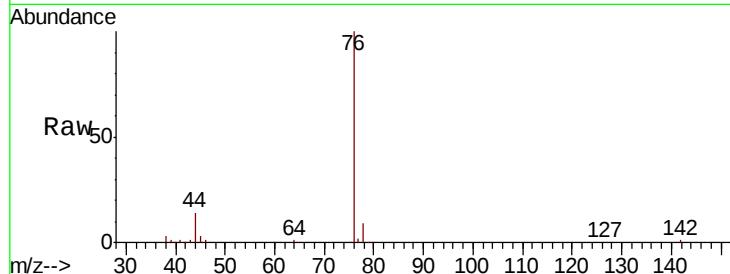




#17
Carbon Disulfide
Concen: 17.286 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW010568.D
Acq: 28 May 2019 15:38

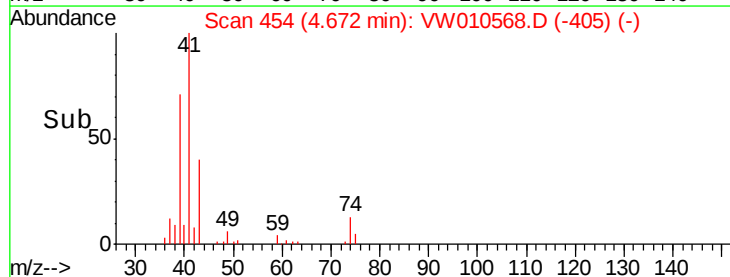
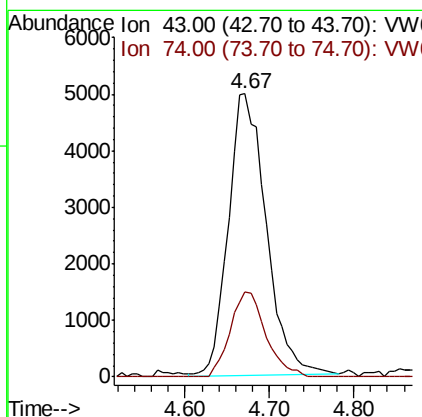
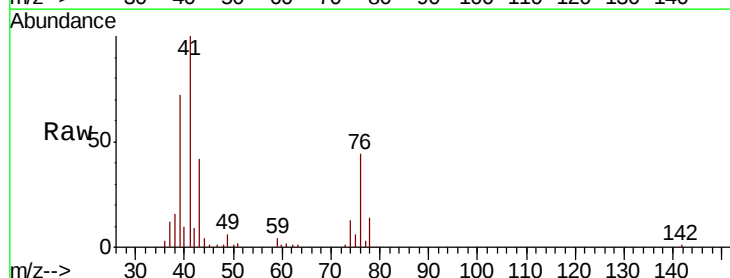
Instrument :
MSVOA_W
ClientSampleId :
VW0528SBSD01

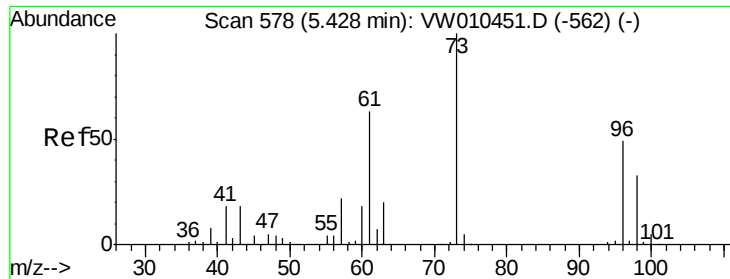
Tot Ion: 76 Resp: 73231
Ion Ratio Lower Upper
76 100
78 9.0 7.1 10.7



#18
Methyl Acetate
Concen: 21.898 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW010568.D
Acq: 28 May 2019 15:38

Tgt Ion: 43 Resp: 15173
Ion Ratio Lower Upper
43 100
74 28.2 21.6 32.4

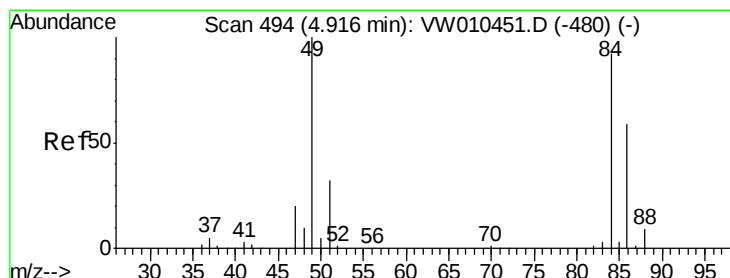
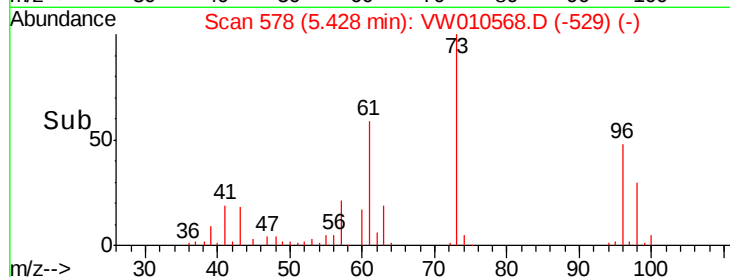
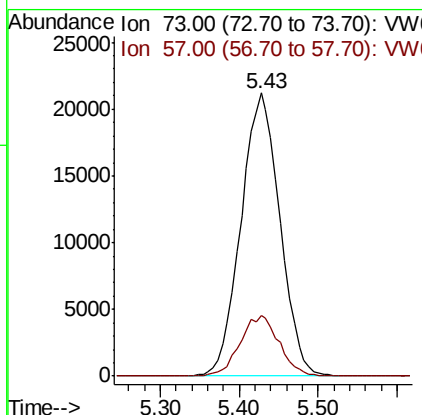
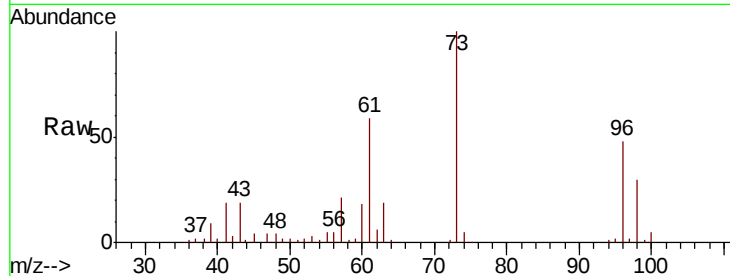




#19
Methvl tert-butvl Ether
Concen: 20.054 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW010568.D
Acq: 28 May 2019 15:38

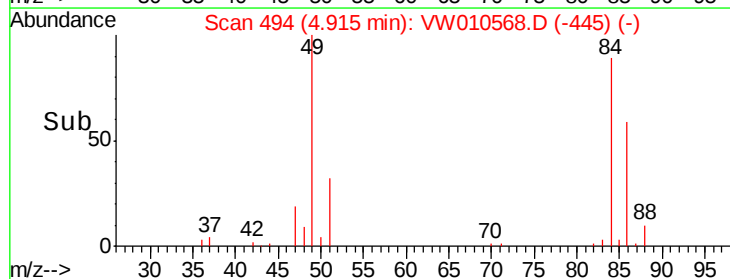
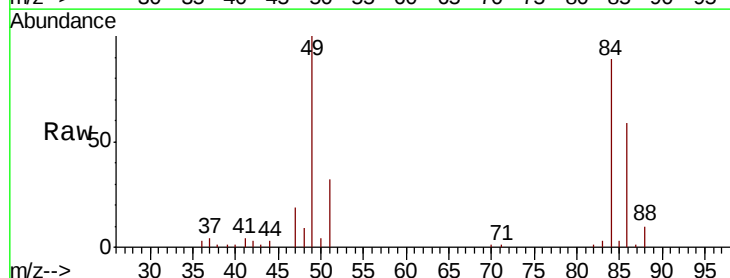
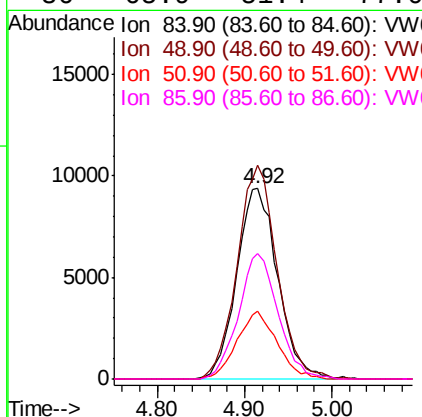
Instrument :
MSVOA_W
ClientSampleId :
VW0528SBSD01

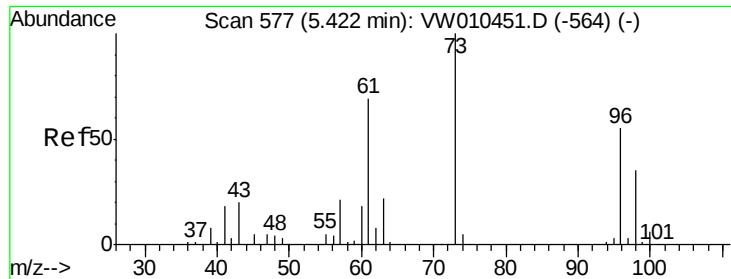
Tot Ion: 73 Resp: 72613
Ion Ratio Lower Upper
73 100
57 21.2 17.4 26.0



#20
Methylene Chloride
Concen: 14.859 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW010568.D
Acq: 28 May 2019 15:38

Tgt Ion: 84 Resp: 30625
Ion Ratio Lower Upper
84 100
49 112.2 87.2 130.8
51 35.9 27.7 41.5
86 65.9 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 19.706 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW010568.D

Acq: 28 May 2019 15:38

Instrument :

MSVOA_W

ClientSampleId :

VW0528SBSD01

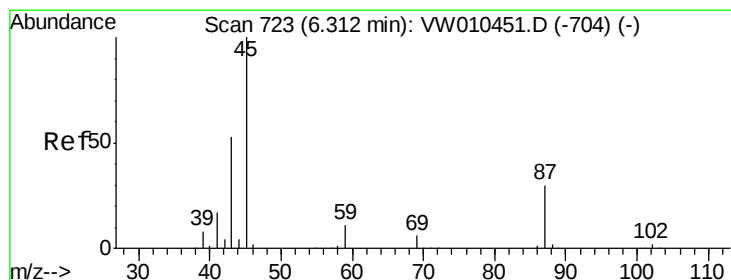
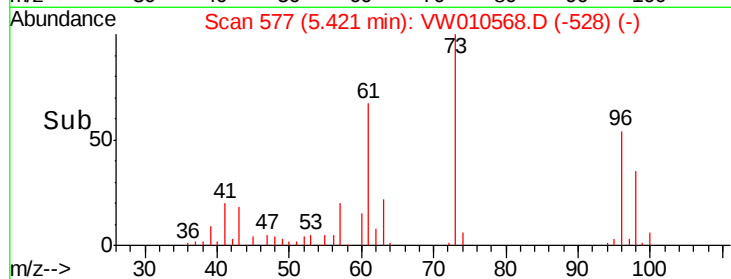
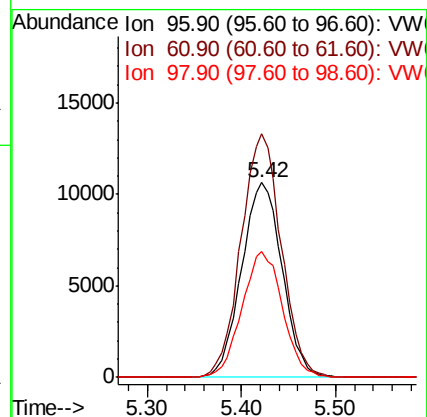
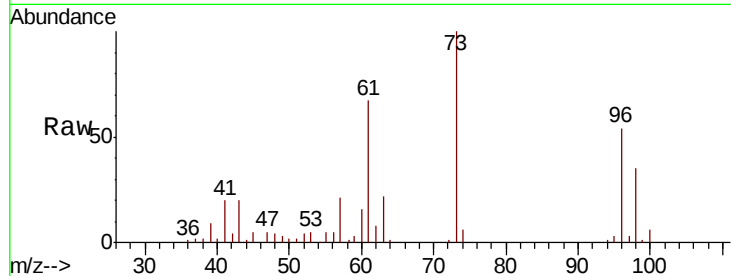
Tot Ion: 96 Resp: 32105

Ion Ratio Lower Upper

96 100

61 125.1 101.4 152.0

98 64.5 50.6 76.0



#22

Diisopropyl ether

Concen: 19.394 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW010568.D

Acq: 28 May 2019 15:38

Tgt Ion: 45 Resp: 81759

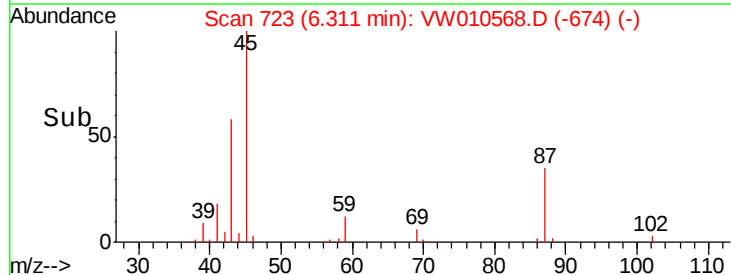
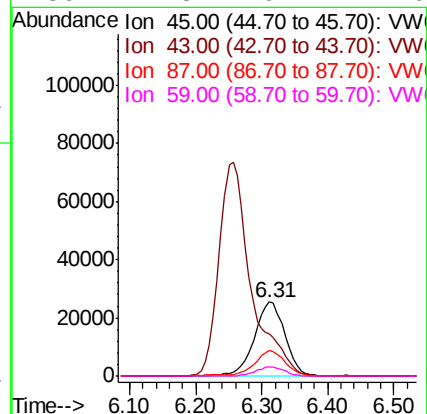
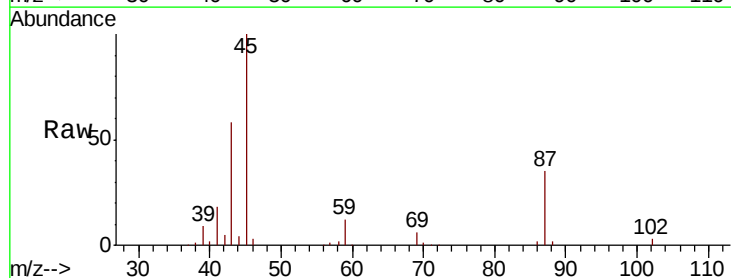
Ion Ratio Lower Upper

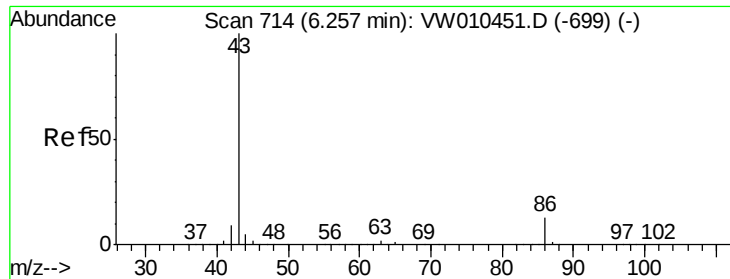
45 100

43 57.2 42.9 64.3

87 35.3 24.6 36.8

59 12.3 9.4 14.0





#23

Vinyl Acetate

Concen: 98.495 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW010568.D

Acq: 28 May 2019 15:38

Instrument :

MSVOA_W

ClientSampleId :

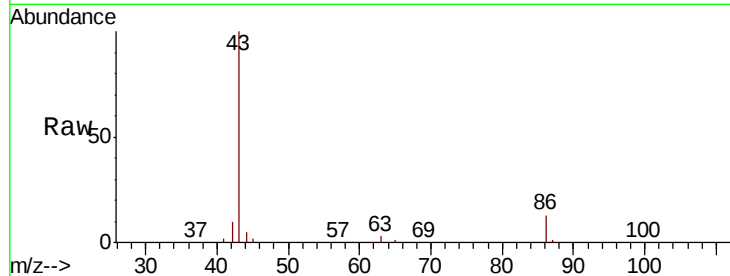
VW0528SBSD01

Tot Ion: 43 Resp: 248029

Ion Ratio Lower Upper

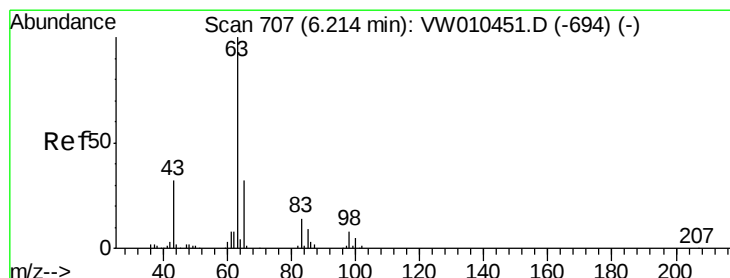
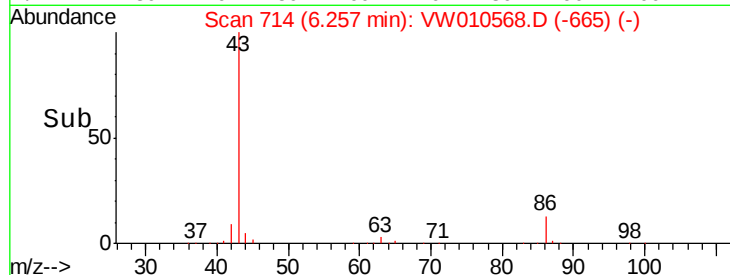
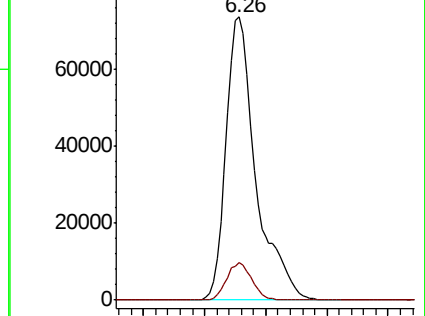
43 100

86 13.4 10.3 15.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 20.277 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW010568.D

Acq: 28 May 2019 15:38

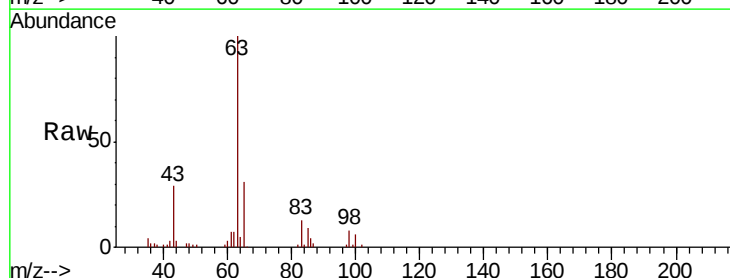
Tgt Ion: 63 Resp: 51011

Ion Ratio Lower Upper

63 100

98 8.1 3.8 11.2

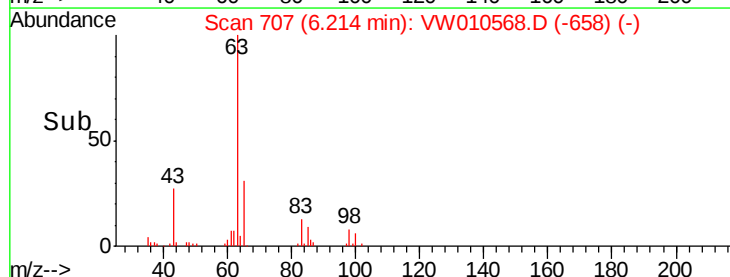
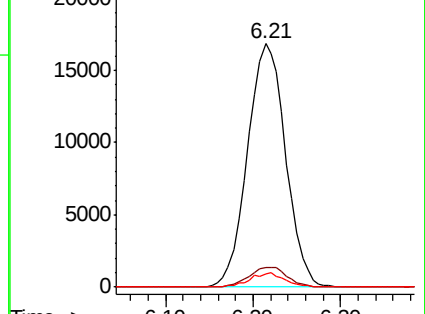
100 5.6 2.5 7.4

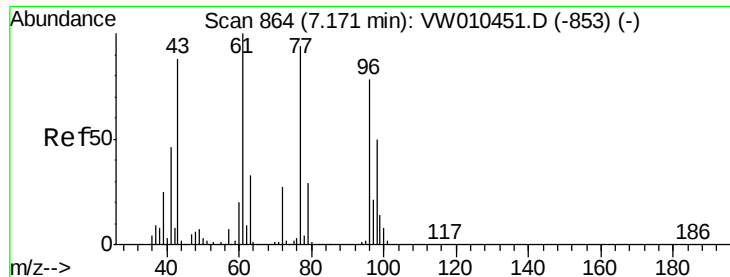


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 111.317 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010568.D

Acq: 28 May 2019 15:38

Instrument :

MSVOA_W

ClientSampleId :

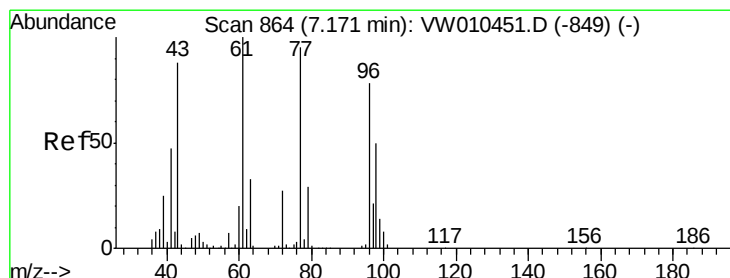
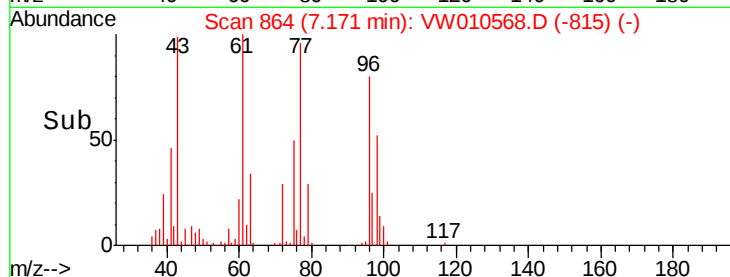
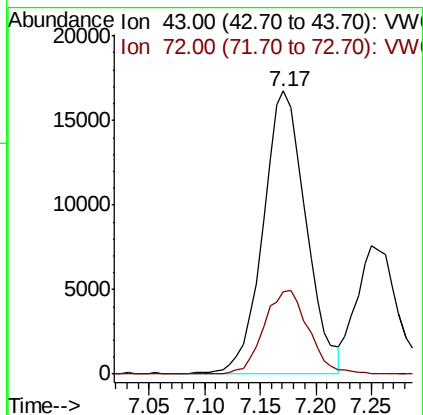
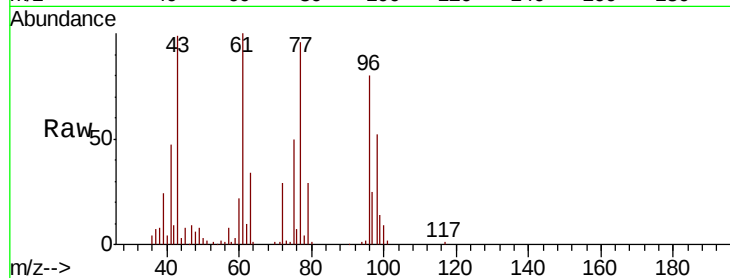
VW0528SBS01

Tot Ion: 43 Resp: 45133

Ion Ratio Lower Upper

43 100

72 29.3 24.1 36.1



#26

2,2-Dichloropropane

Concen: 21.011 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW010568.D

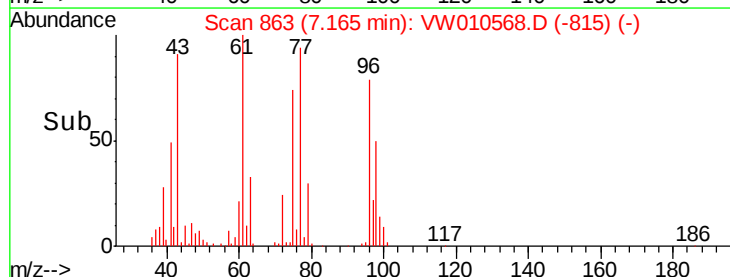
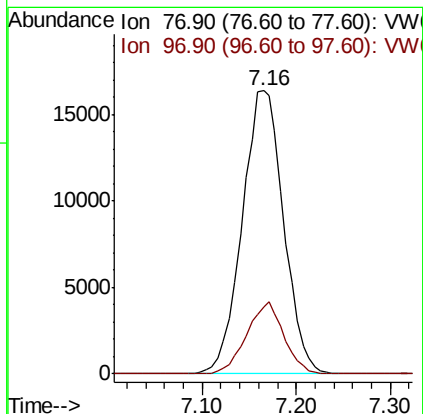
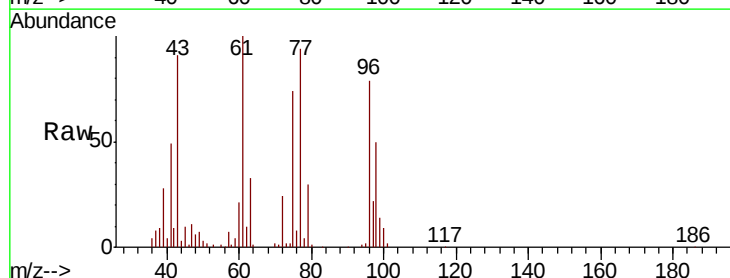
Acq: 28 May 2019 15:38

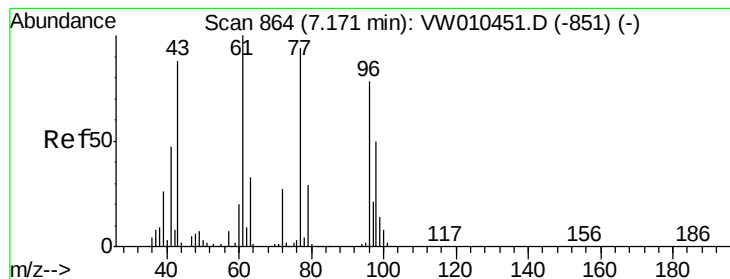
Tgt Ion: 77 Resp: 50350

Ion Ratio Lower Upper

77 100

97 22.8 11.7 35.0



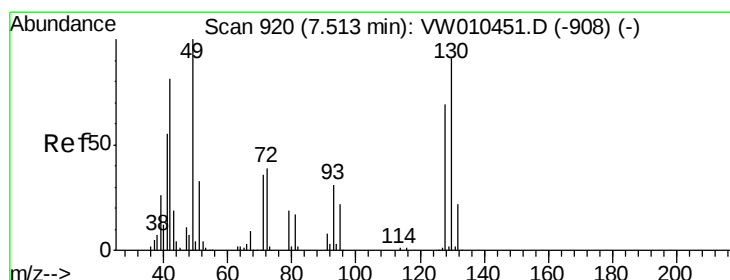
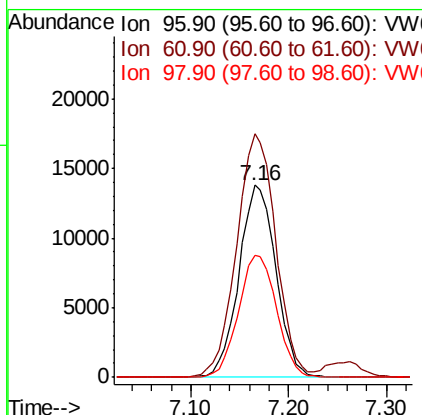
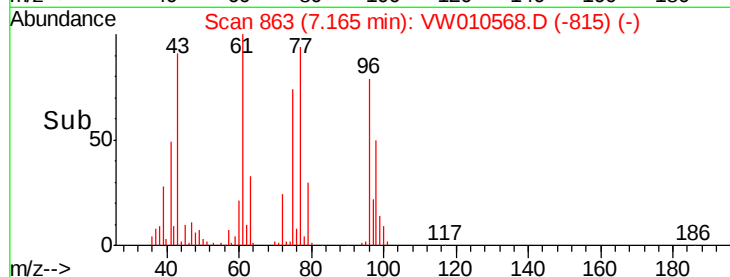
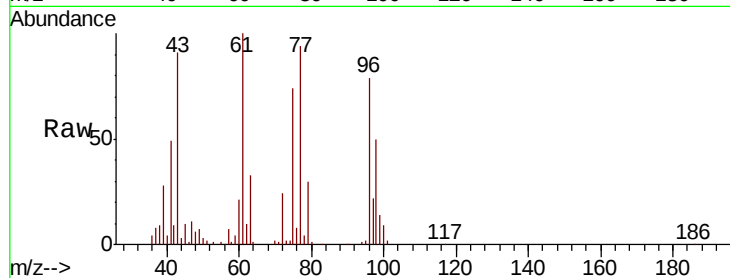


#27

cis-1,2-Dichloroethene
Concen: 20.466 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW010568.D
Acq: 28 May 2019 15:38

Instrument :
MSVOA_W
ClientSampleId :
VW0528SBSD01

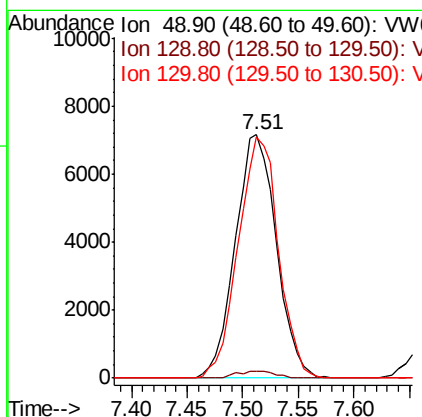
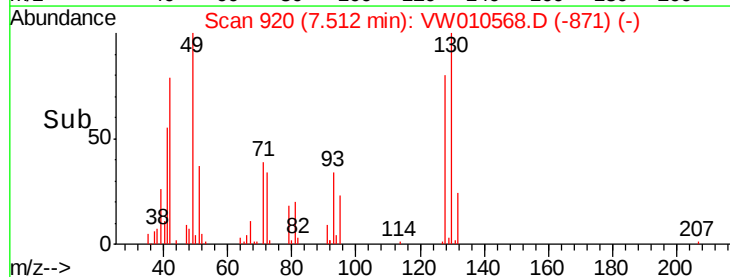
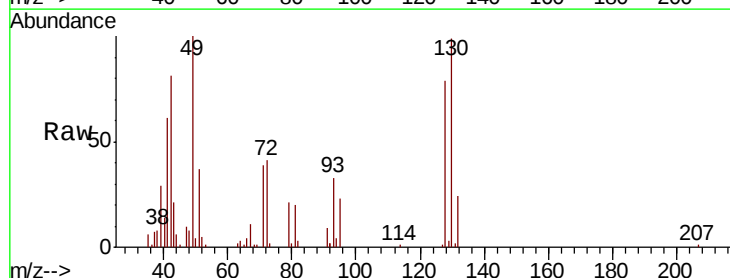
Tot Ion: 96 Resp: 36249
Ion Ratio Lower Upper
96 100
61 134.3 0.0 265.4
98 65.4 0.0 129.4

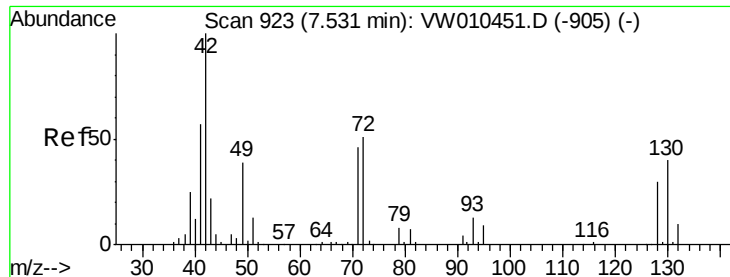


#28

Bromochloromethane
Concen: 20.373 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW010568.D
Acq: 28 May 2019 15:38

Tgt Ion: 49 Resp: 18350
Ion Ratio Lower Upper
49 100
129 2.6 0.0 4.8
130 96.9 71.2 106.8

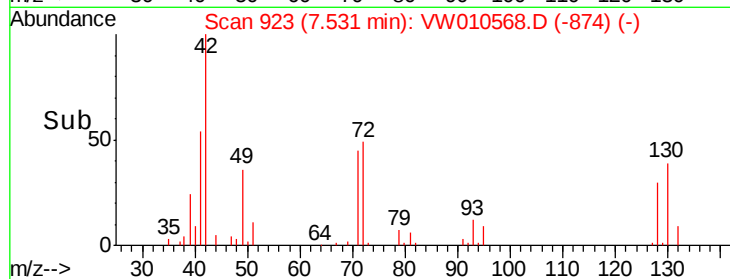
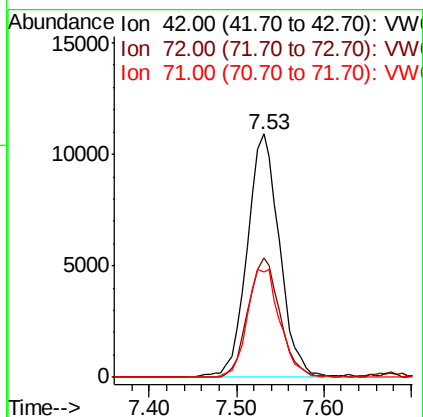
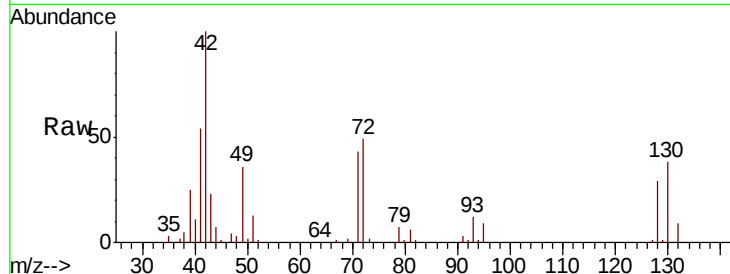




#29
Tetrahydrofuran
Concen: 102.440 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW010568.D
Acq: 28 May 2019 15:38

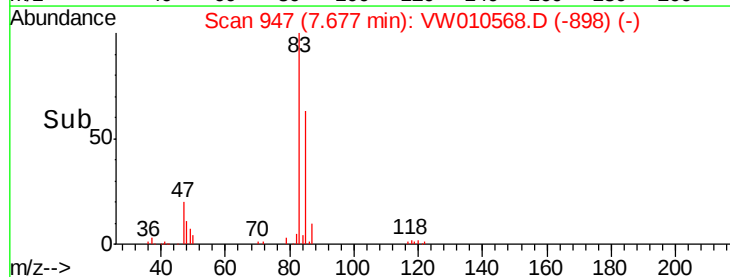
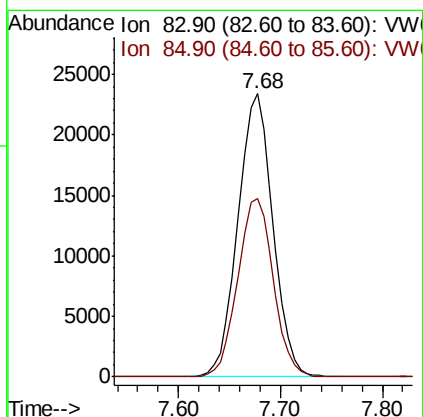
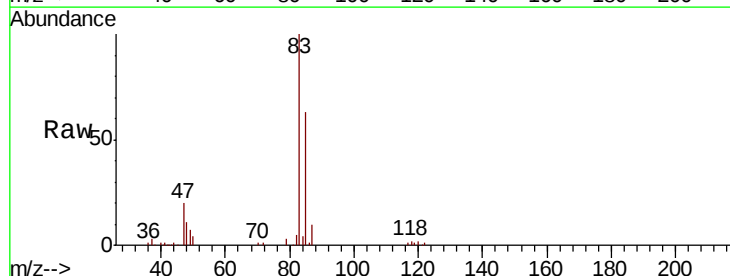
Instrument :
MSVOA_W
ClientSampleId :
VW0528SBS01

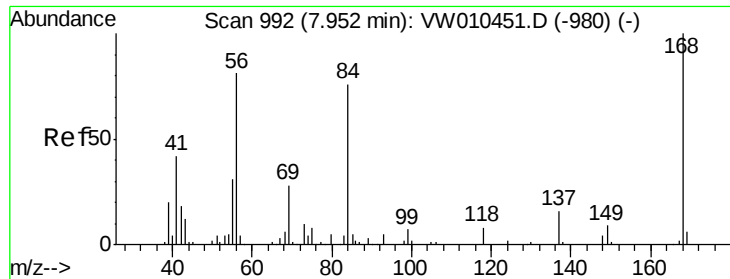
Tot Ion	Ratio	Lower	Upper
42	100		
72	48.0	38.5	57.7
71	44.9	36.5	54.7



#30
Chloroform
Concen: 20.531 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW010568.D
Acq: 28 May 2019 15:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.0	52.2	78.4

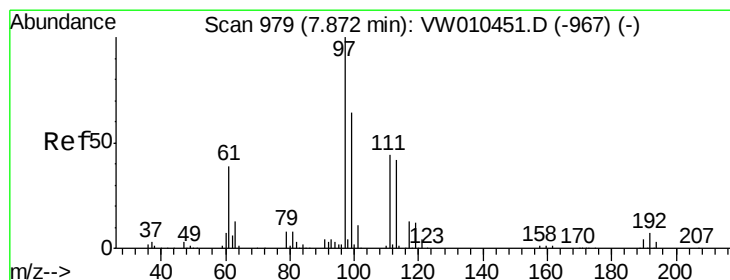
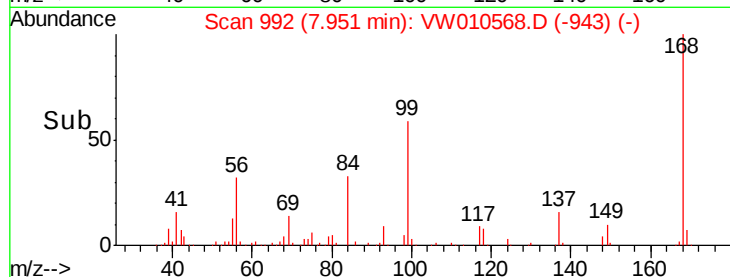
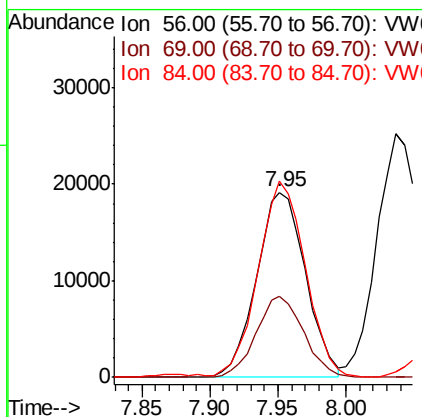
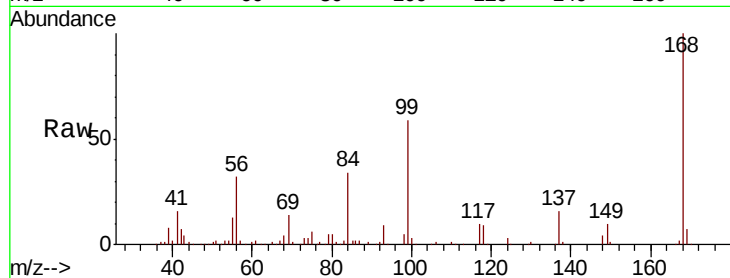




#31
Cyclohexane
Concen: 18.330 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW010568.D
Acq: 28 May 2019 15:38

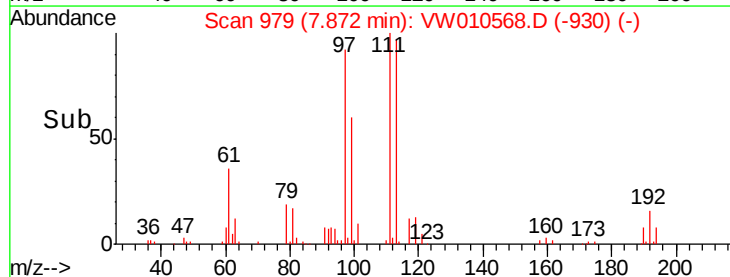
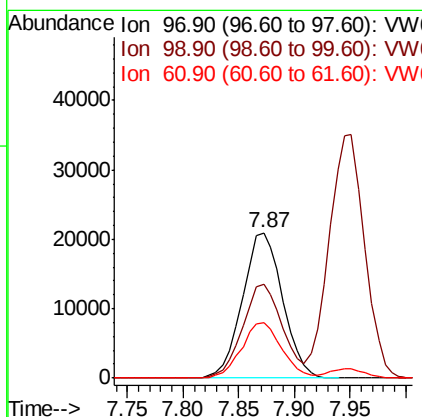
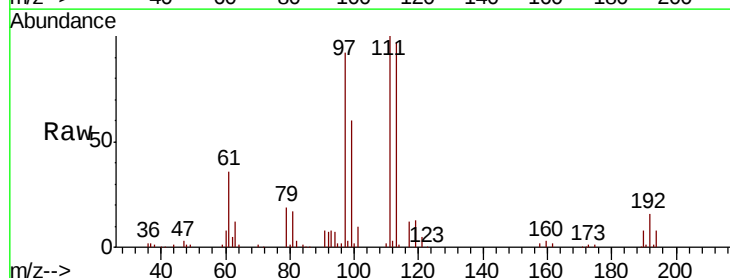
Instrument :
MSVOA_W
ClientSampleId :
VW0528SBSD01

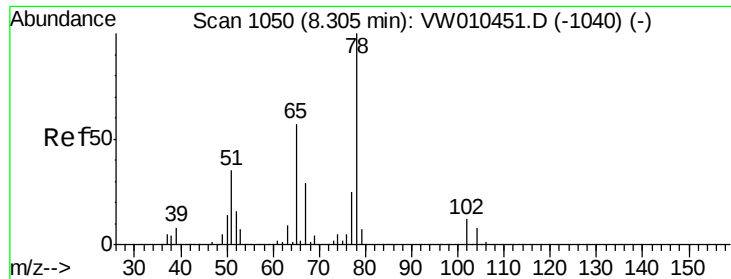
Tot Ion: 56 Resp: 48303
Ion Ratio Lower Upper
56 100
69 43.7 28.2 42.2#
84 105.1 75.8 113.8



#32
1,1,1-Trichloroethane
Concen: 20.205 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW010568.D
Acq: 28 May 2019 15:38

Tgt Ion: 97 Resp: 52402
Ion Ratio Lower Upper
97 100
99 64.7 50.8 76.2
61 38.4 32.1 48.1

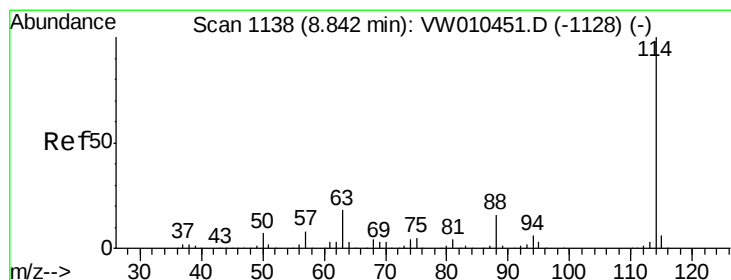
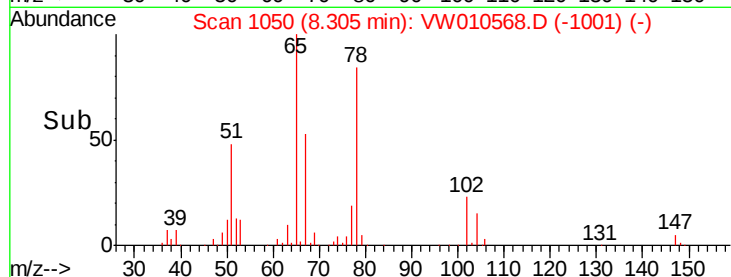
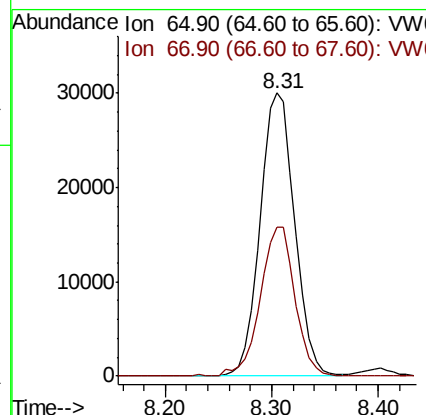
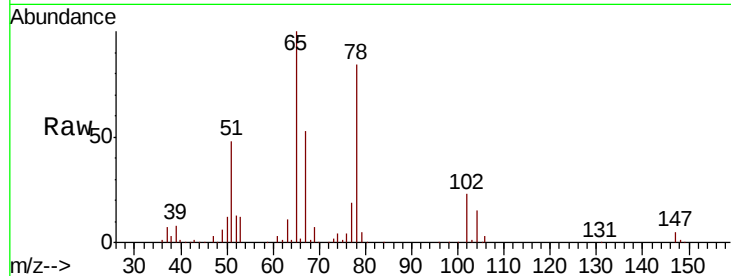




#33
 1,2-Dichloroethane-d4
 Concen: 49.076 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010568.D
 Acq: 28 May 2019 15:38

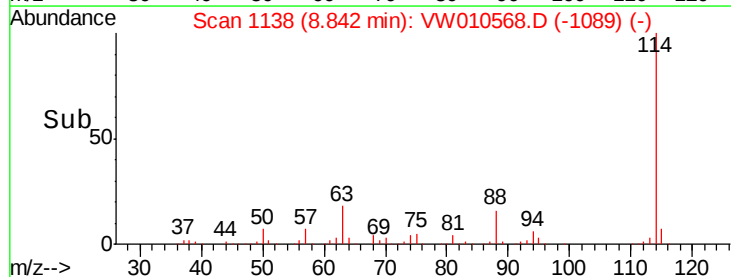
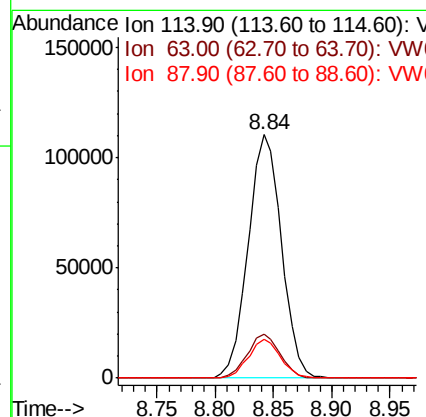
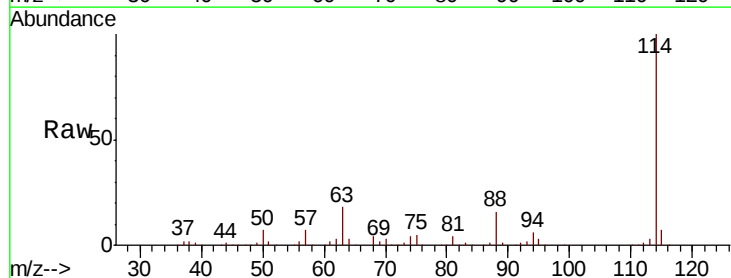
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0528SBSD01

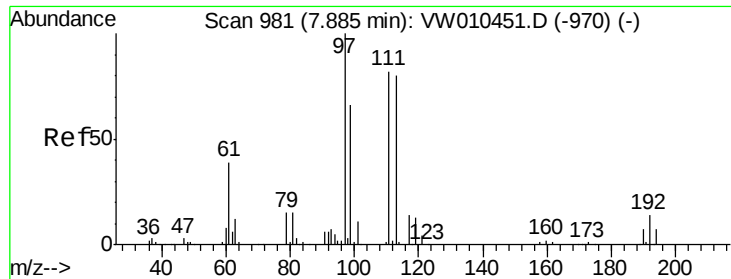
Tot Ion: 65 Resp: 68115
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010568.D
 Acq: 28 May 2019 15:38

Tgt Ion: 114 Resp: 220453
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 36.0
 88 15.9 0.0 32.0

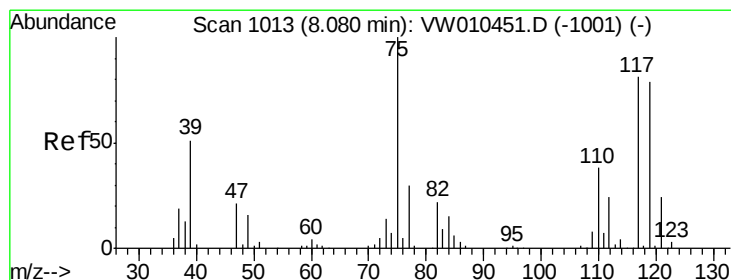
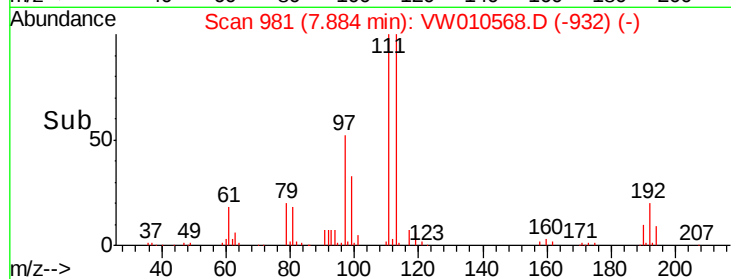
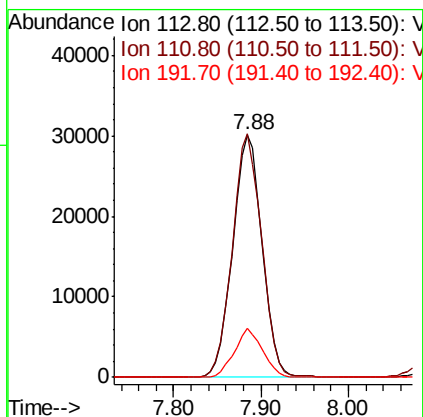
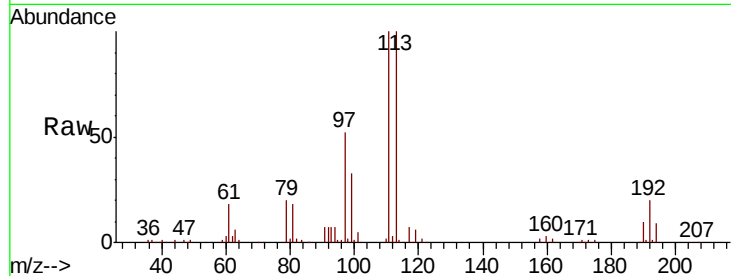




#35
 Dibromofluoromethane
 Concen: 52.581 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW010568.D
 Acq: 28 May 2019 15:38

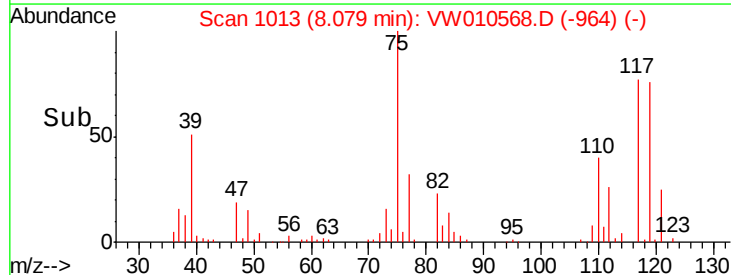
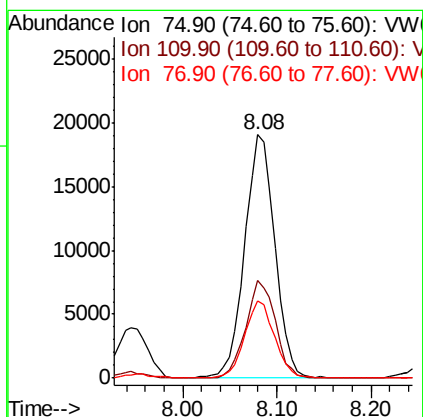
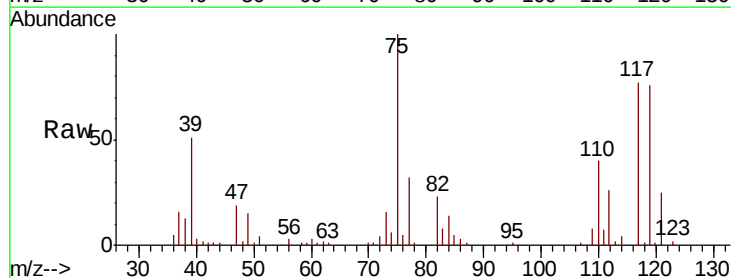
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0528SBSD01

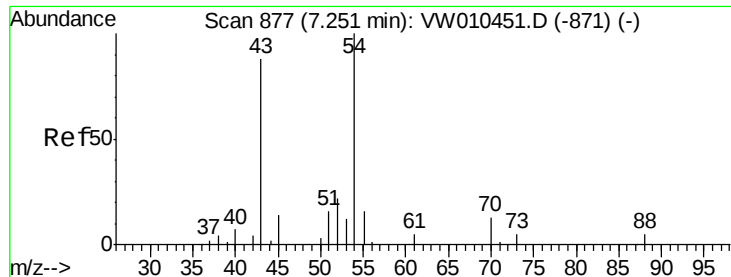
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.2	82.2	123.4
192	19.3	14.3	21.5



#36
 1,1-Dichloropropene
 Concen: 20.802 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW010568.D
 Acq: 28 May 2019 15:38

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.2	19.2	57.6
77	31.4	25.2	37.8

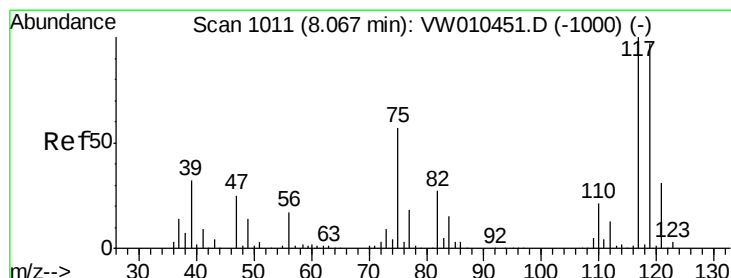
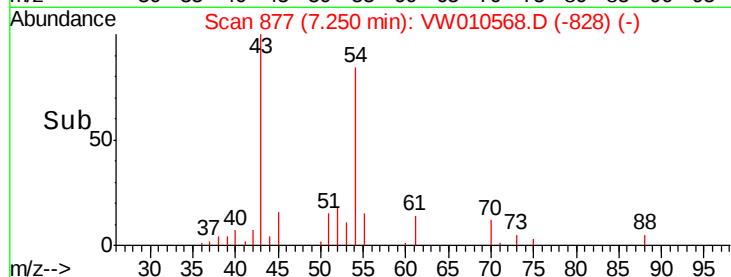
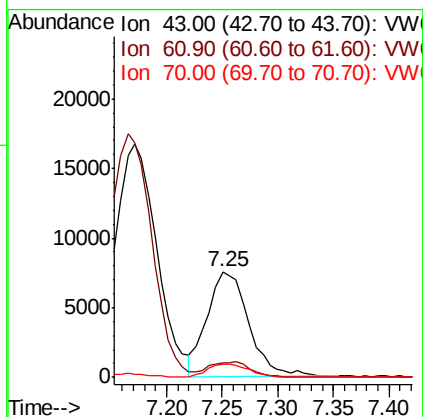
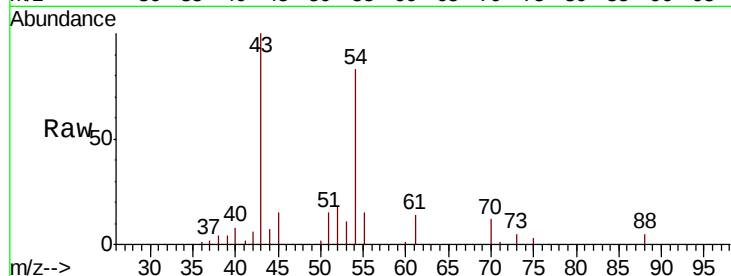




#37
Ethyl Acetate
Concen: 22.476 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW010568.D
Acq: 28 May 2019 15:38

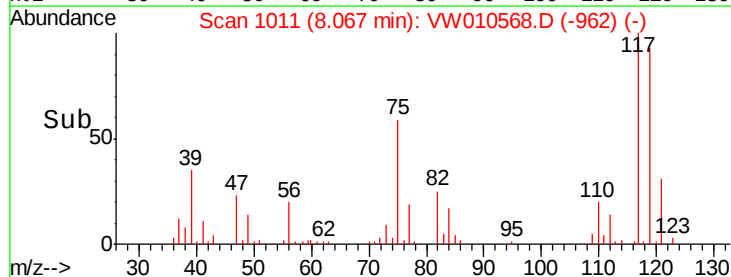
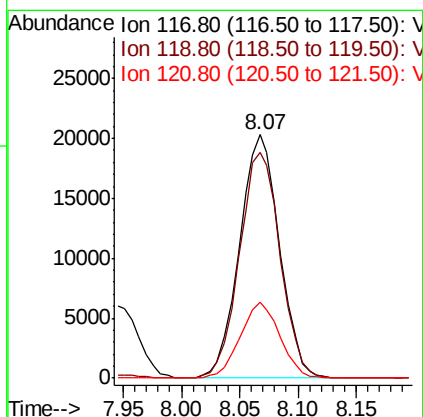
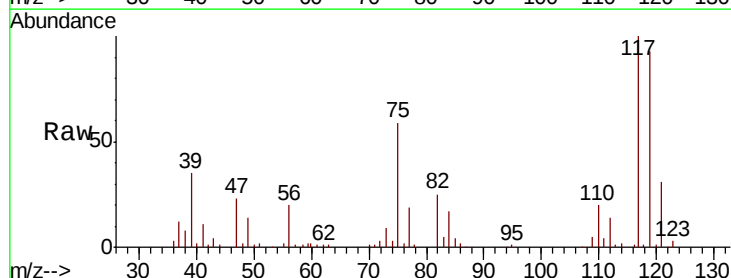
Instrument :
MSVOA_W
ClientSampleId :
VW0528SBS01

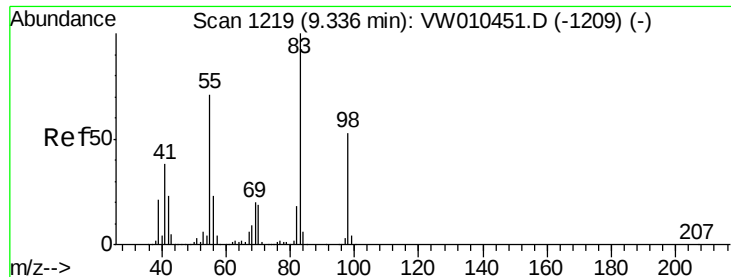
Tot Ion: 43 Resp: 19628
Ion Ratio Lower Upper
43 100
61 14.8 11.2 16.8
70 12.7 9.9 14.9



#38
Carbon Tetrachloride
Concen: 21.813 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW010568.D
Acq: 28 May 2019 15:38

Tgt Ion: 117 Resp: 48323
Ion Ratio Lower Upper
117 100
119 92.8 77.4 116.0
121 31.0 25.0 37.6

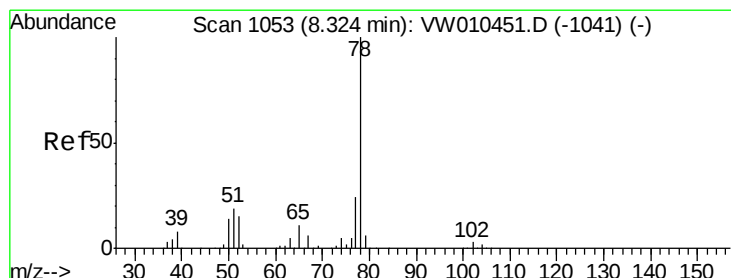
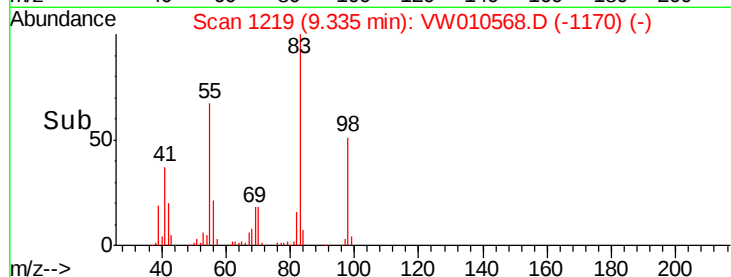
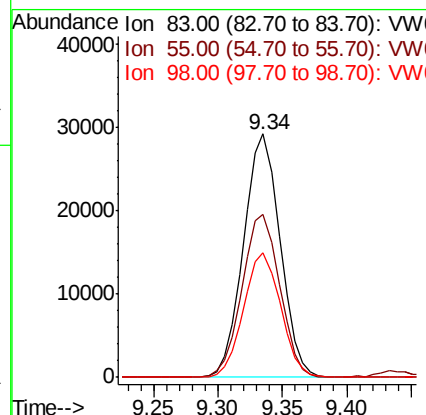
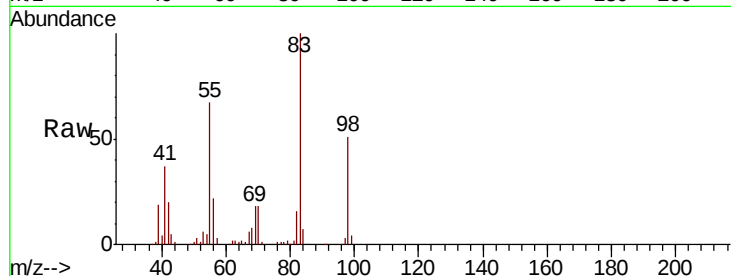




#39
Methvlcvclohexane
Concen: 20.902 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010568.D
Acq: 28 May 2019 15:38

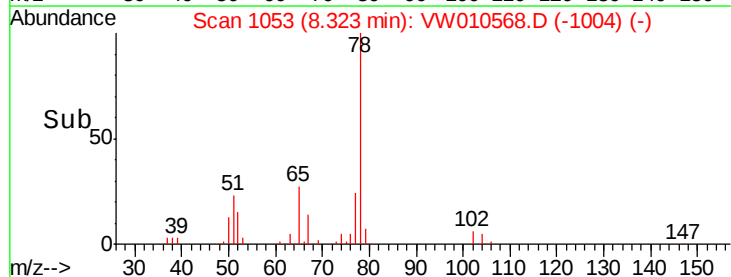
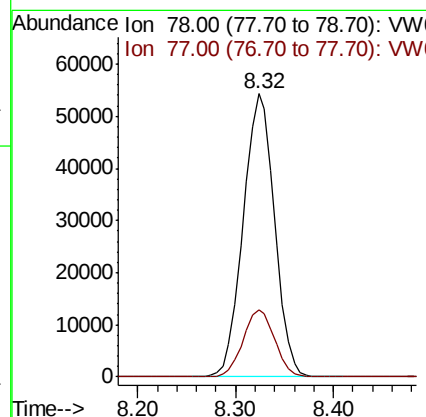
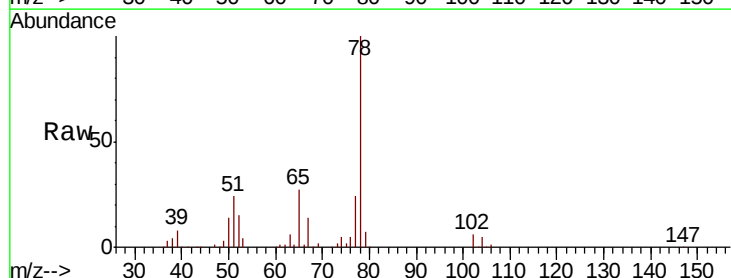
Instrument :
MSVOA_W
ClientSampleId :
VW0528SBSD01

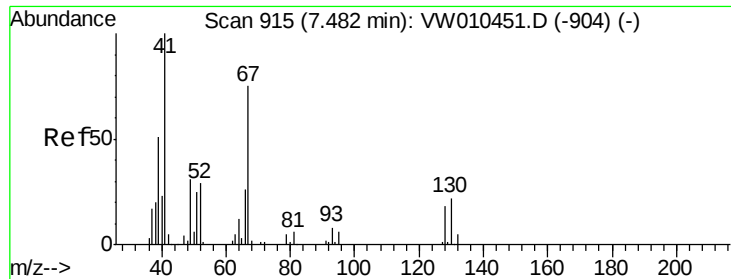
Tot Ion: 83 Resp: 57509
Ion Ratio Lower Upper
83 100
55 67.0 57.0 85.6
98 51.4 42.0 63.0



#40
Benzene
Concen: 21.101 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW010568.D
Acq: 28 May 2019 15:38

Tgt Ion: 78 Resp: 120441
Ion Ratio Lower Upper
78 100
77 23.9 18.9 28.3

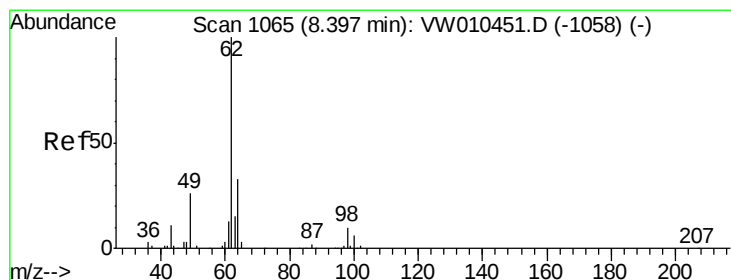
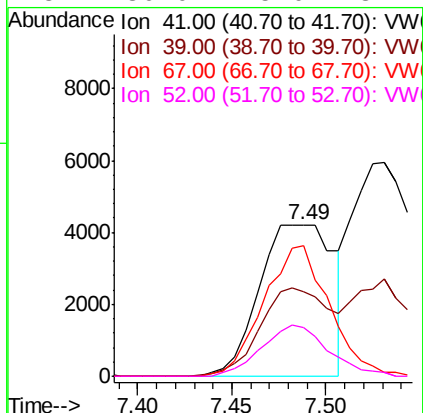
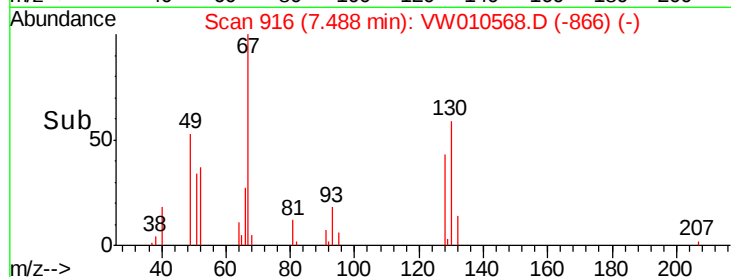
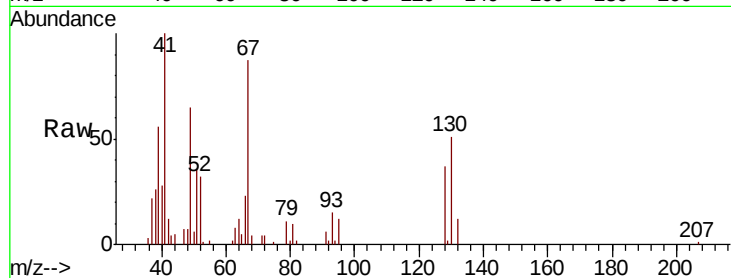




#41
Methacrylonitrile
Concen: 22.292 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW010568.D
Acq: 28 May 2019 15:38

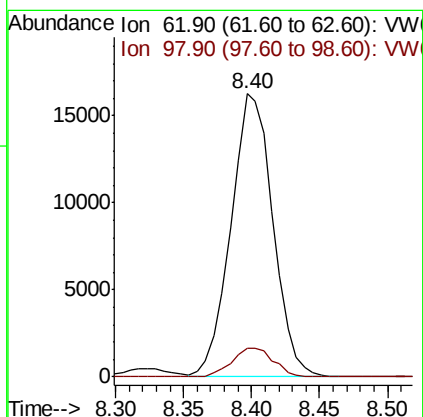
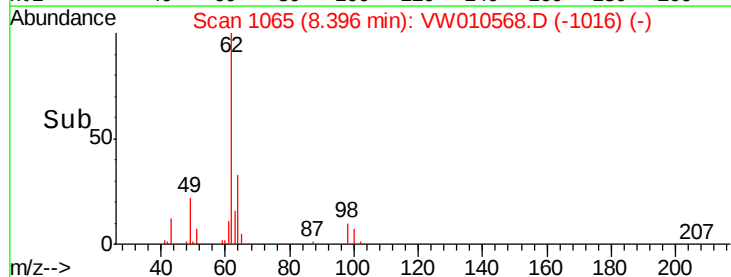
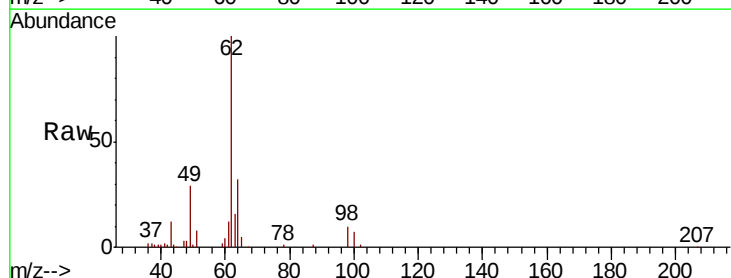
Instrument :
MSVOA_W
ClientSampleId :
VW0528SBSD01

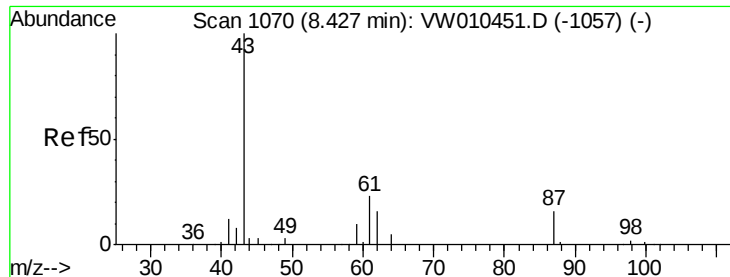
Tot Ion:	41	Resp:	11567
Ion	Ratio	Lower	Upper
41	100		
39	55.0	47.4	71.2
67	76.2	65.5	98.3
52	30.0	25.0	37.4



#42
1,2-Dichloroethane
Concen: 21.468 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW010568.D
Acq: 28 May 2019 15:38

Tgt Ion:	62	Resp:	35022
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	21.0





#43

Isopropyl Acetate

Concen: 21.667 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW010568.D

Acq: 28 May 2019 15:38

Instrument :

MSVOA_W

ClientSampleId :

VW0528SBS01

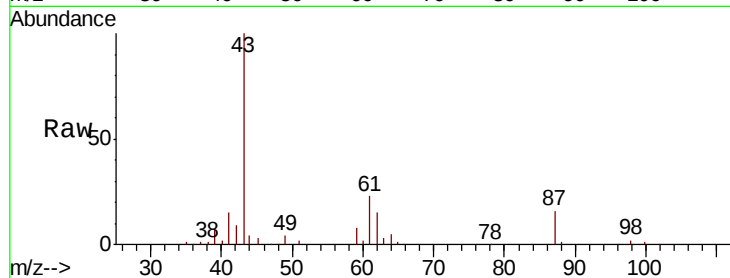
Tot Ion: 43 Resp: 37801

Ion Ratio Lower Upper

43 100

61 31.6 25.4 38.2

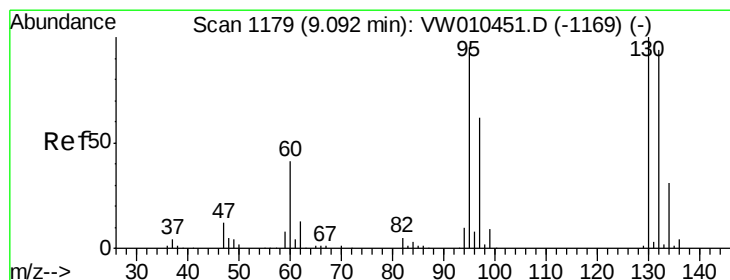
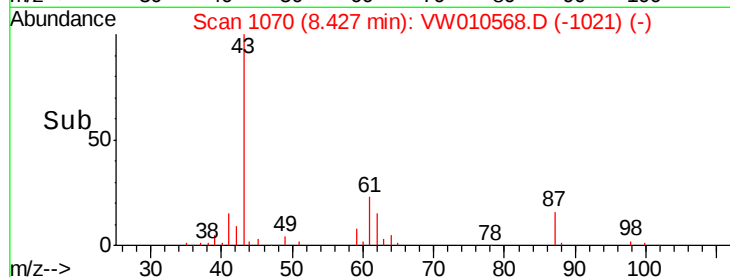
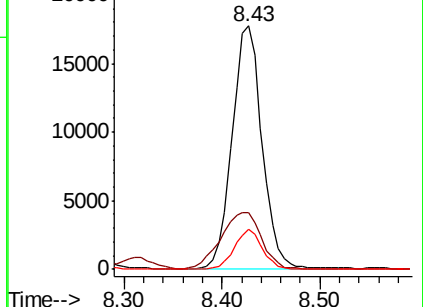
87 15.1 12.7 19.1



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: 22.026 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW010568.D

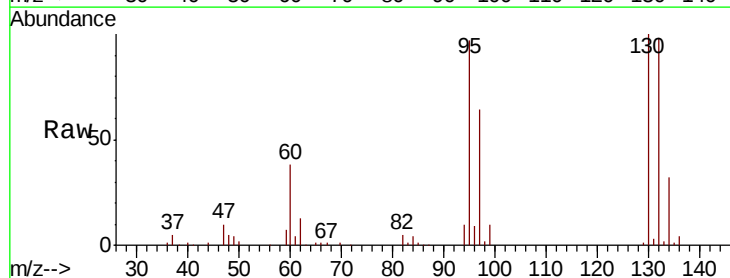
Acq: 28 May 2019 15:38

Tgt Ion: 130 Resp: 37325

Ion Ratio Lower Upper

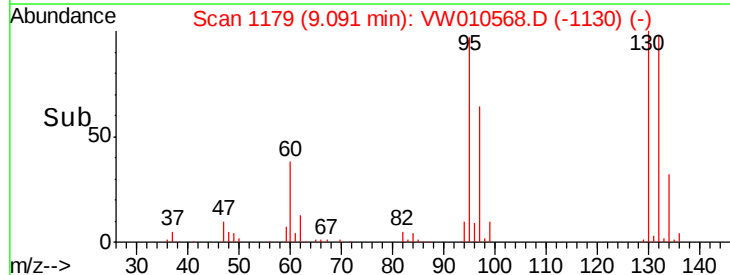
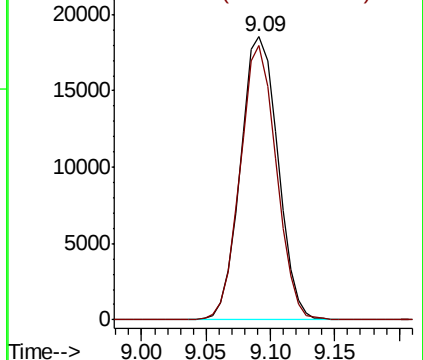
130 100

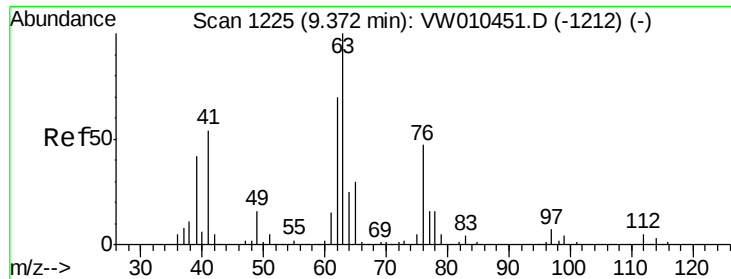
95 96.8 0.0 189.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 21.348 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VW010568.D

Acq: 28 May 2019 15:38

Instrument :

MSVOA_W

ClientSampleId :

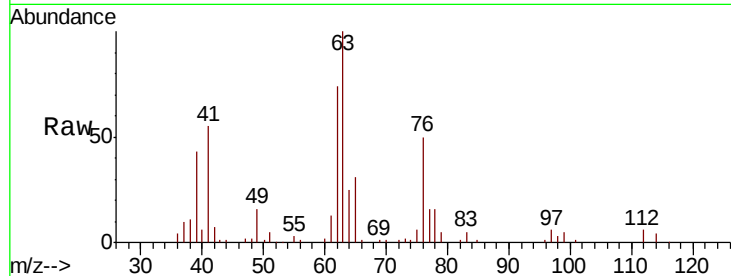
VW0528SBS01

Tot Ion: 63 Resp: 28940

Ion Ratio Lower Upper

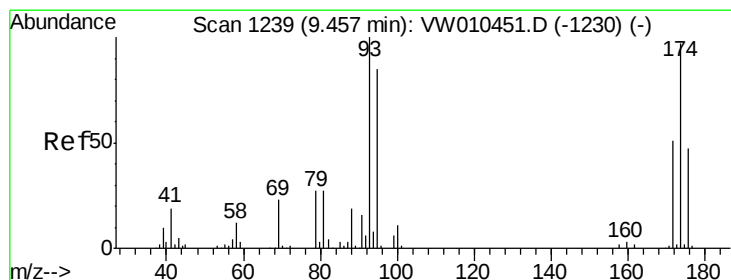
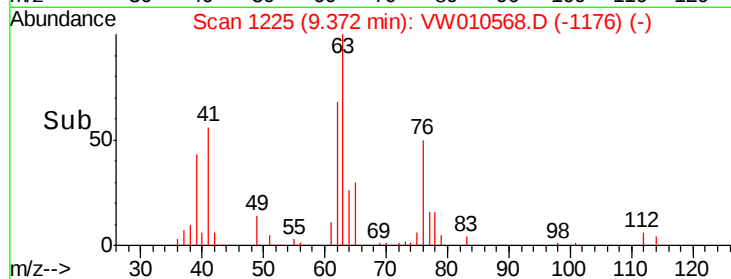
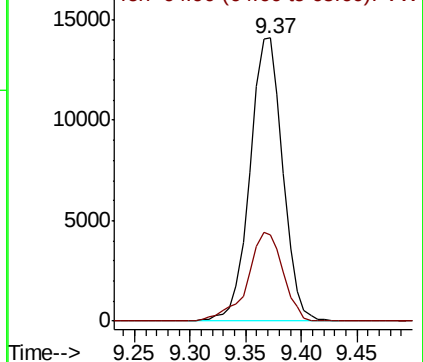
63 100

65 30.5 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 21.956 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW010568.D

Acq: 28 May 2019 15:38

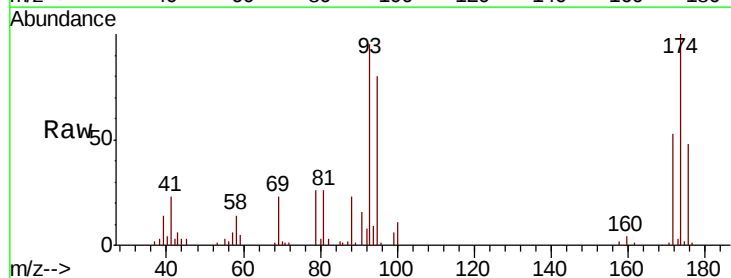
Tgt Ion: 93 Resp: 17407

Ion Ratio Lower Upper

93 100

95 84.4 66.1 99.1

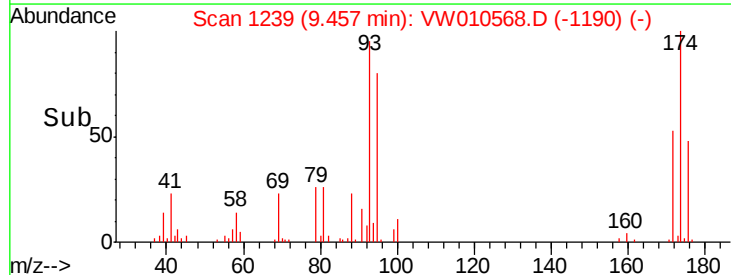
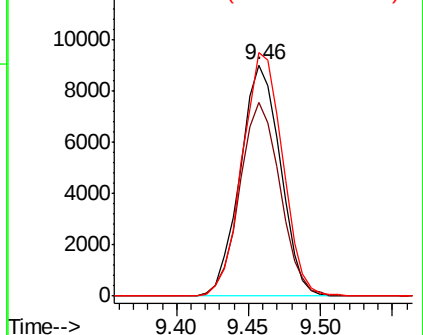
174 106.1 77.1 115.7

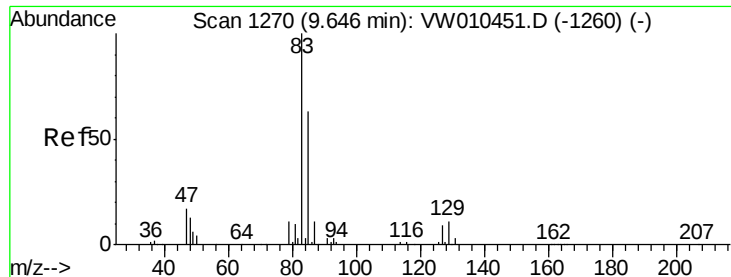


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V

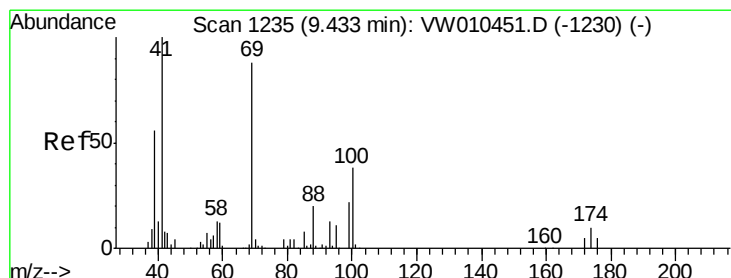
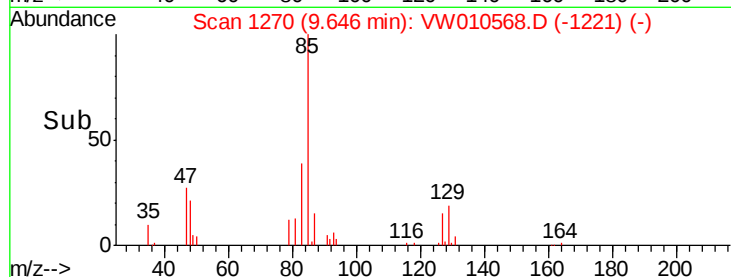
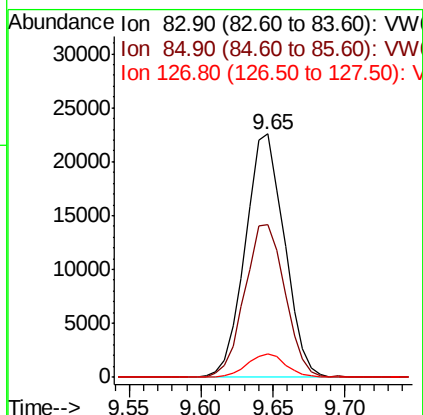
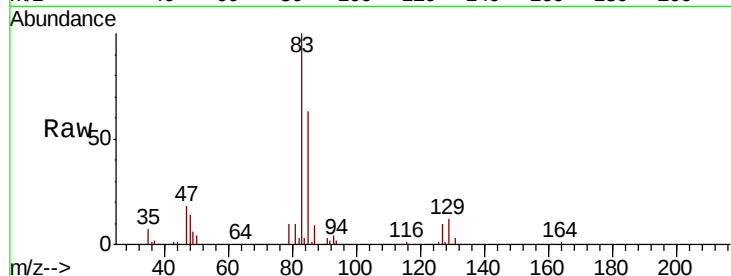




#47
Bromodichloromethane
Concen: 21.289 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VW010568.D
Acq: 28 May 2019 15:38

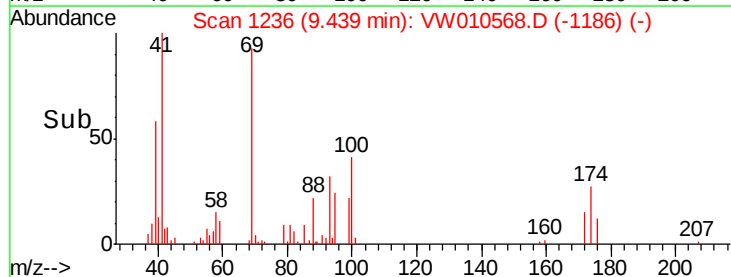
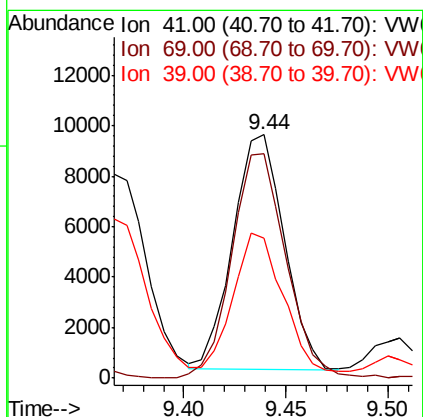
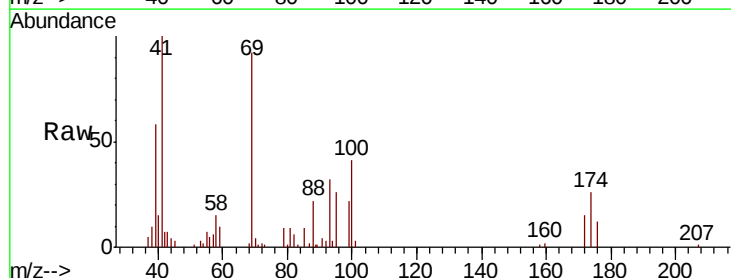
Instrument :
MSVOA_W
ClientSampleId :
VW0528SBSD01

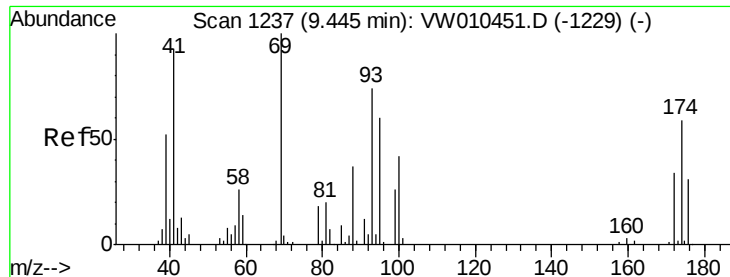
Tot Ion: 83 Resp: 42414
Ion Ratio Lower Upper
83 100
85 62.7 50.4 75.6
127 9.5 7.4 11.0



#48
Methyl methacrylate
Concen: 20.408 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.01 min
Lab File: VW010568.D
Acq: 28 May 2019 15:38

Tgt Ion: 41 Resp: 16289
Ion Ratio Lower Upper
41 100
69 101.3 77.6 116.4
39 63.3 49.8 74.8





#49

1,4-Dioxane

Concen: 426.458 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VW010568.D

Acq: 28 May 2019 15:38

Instrument :

MSVOA_W

ClientSampleId :

VW0528SBSD01

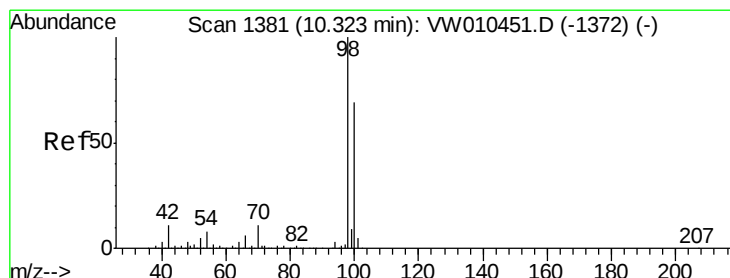
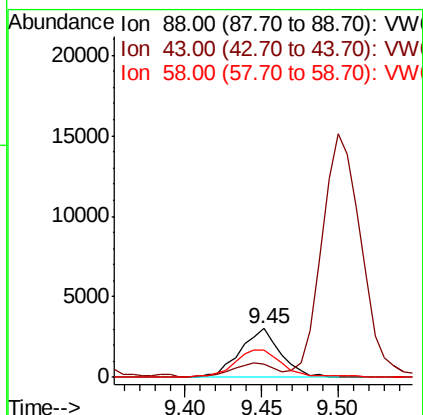
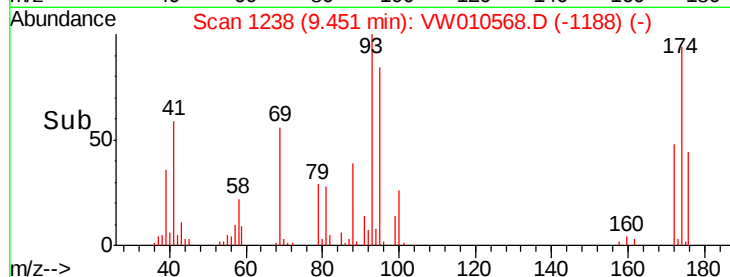
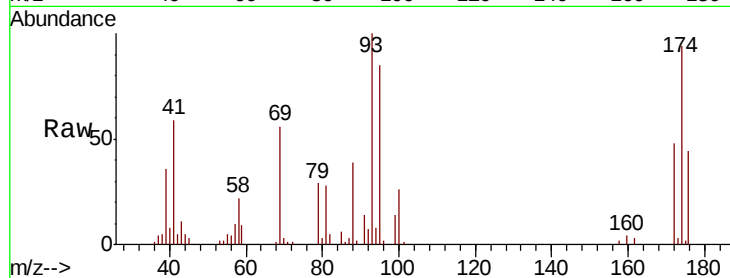
Tot Ion: 88 Resp: 5523

Ion Ratio Lower Upper

88 100

43 31.5 25.9 38.9

58 67.2 52.7 79.1



#50

Toluene-d8

Concen: 52.027 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010568.D

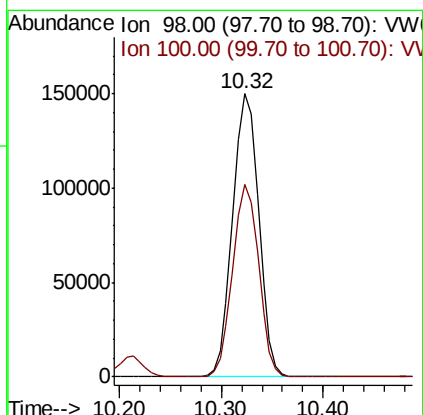
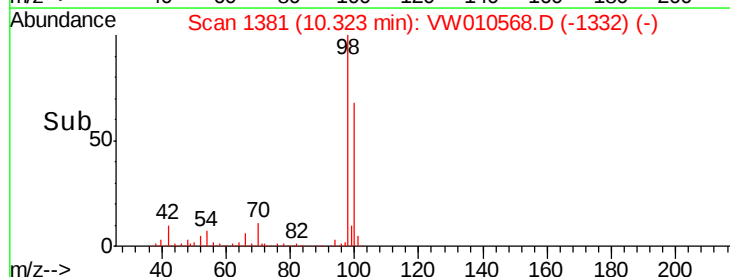
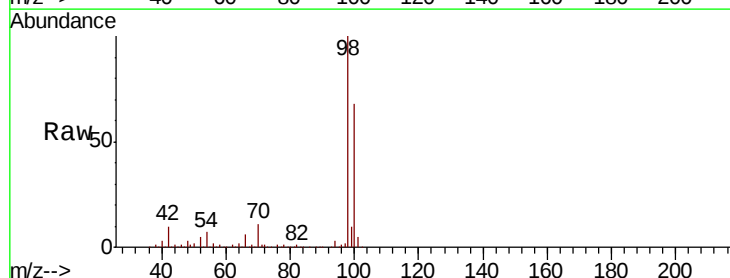
Acq: 28 May 2019 15:38

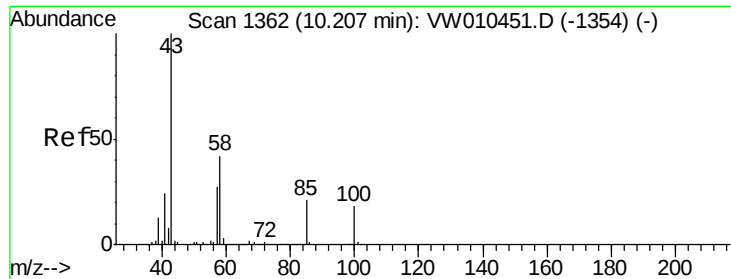
Tgt Ion: 98 Resp: 265869

Ion Ratio Lower Upper

98 100

100 67.7 53.7 80.5





#51

4-Methyl-2-Pentanone

Concen: 107.911 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW010568.D

Acq: 28 May 2019 15:38

Instrument :

MSVOA_W

ClientSampleId :

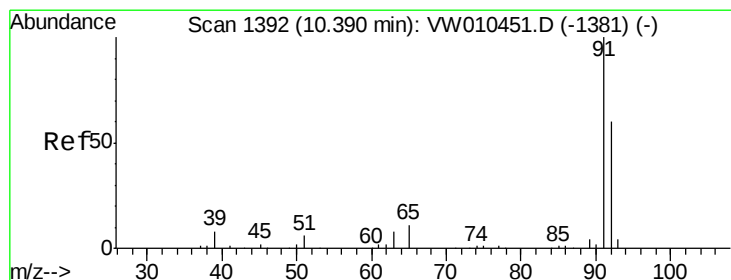
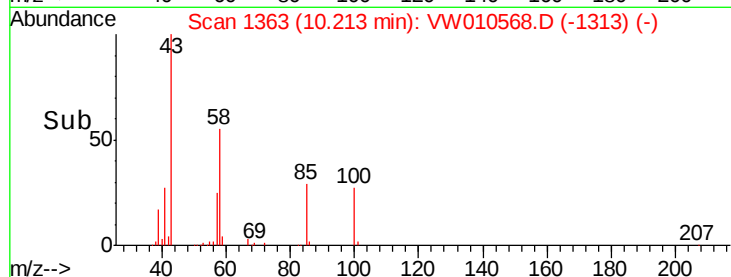
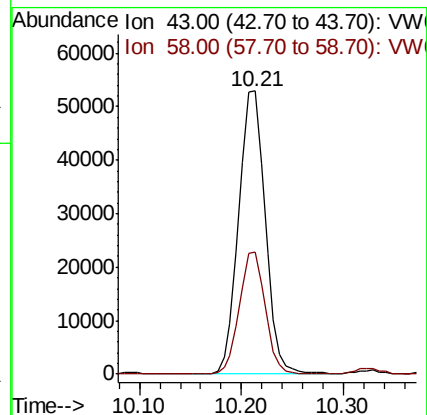
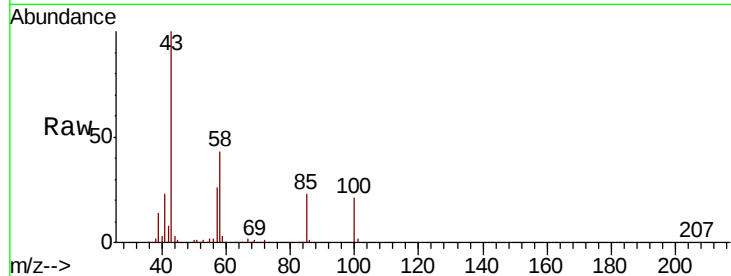
VW0528SBS01

Tot Ion: 43 Resp: 95400

Ion Ratio Lower Upper

43 100

58 41.9 33.2 49.8



#52

Toluene

Concen: 21.469 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010568.D

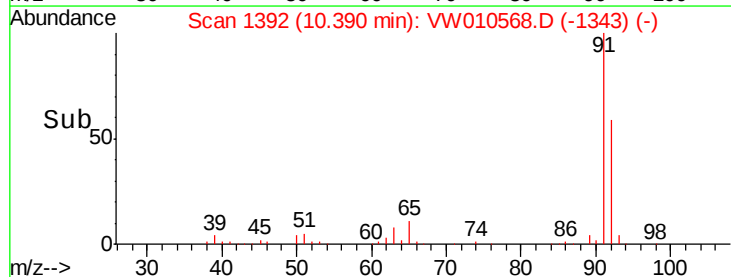
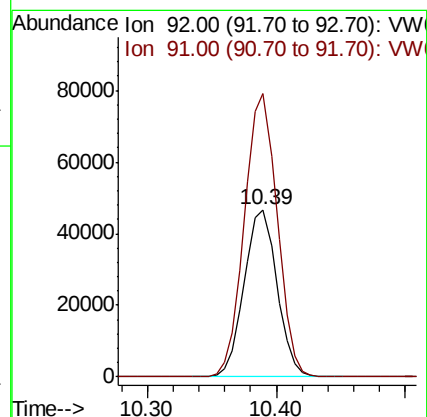
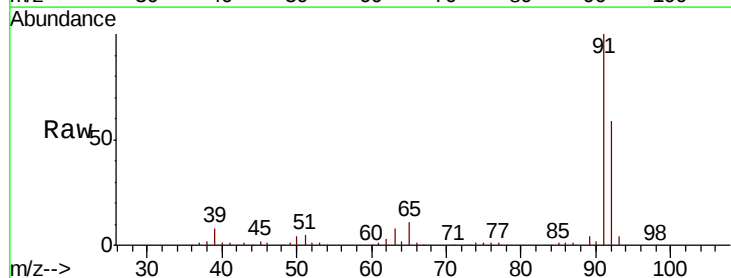
Acq: 28 May 2019 15:38

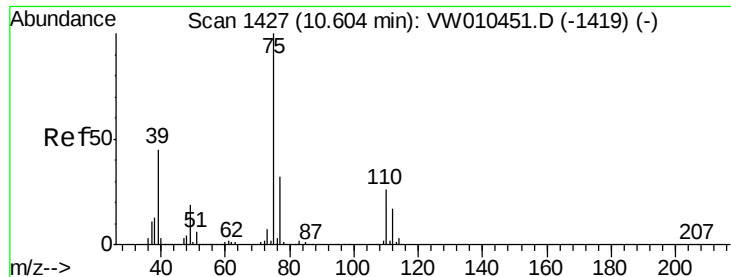
Tgt Ion: 92 Resp: 82296

Ion Ratio Lower Upper

92 100

91 169.5 135.4 203.0





#53

t-1,3-Dichloropropene

Concen: 21.072 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW010568.D

Acq: 28 May 2019 15:38

Instrument :

MSVOA_W

ClientSampled :

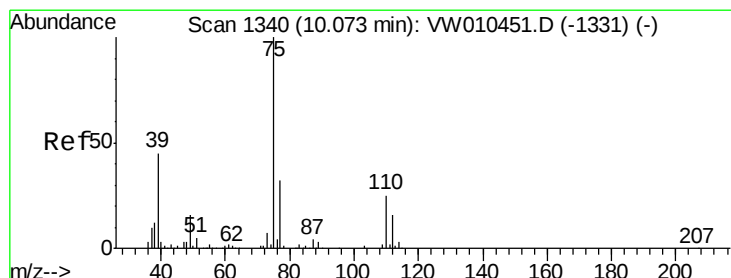
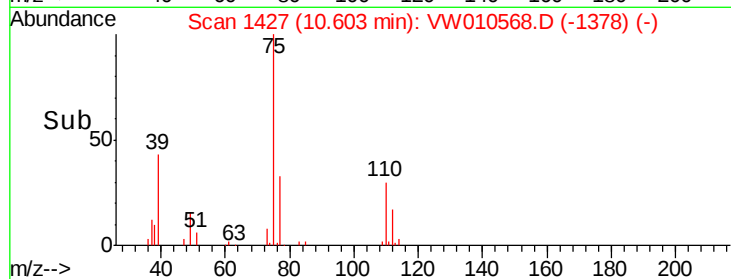
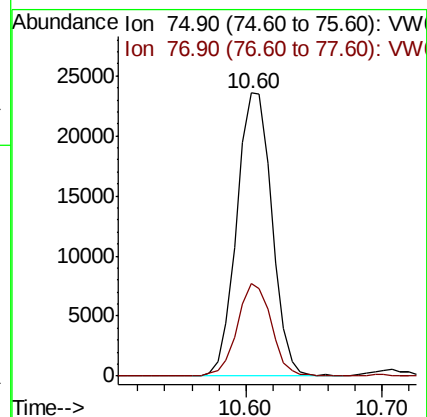
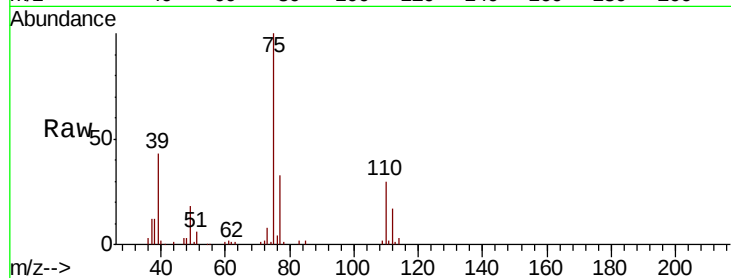
VW0528SBSD01

Tot Ion: 75 Resp: 42518

Ion Ratio Lower Upper

75 100

77 32.9 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 21.332 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW010568.D

Acq: 28 May 2019 15:38

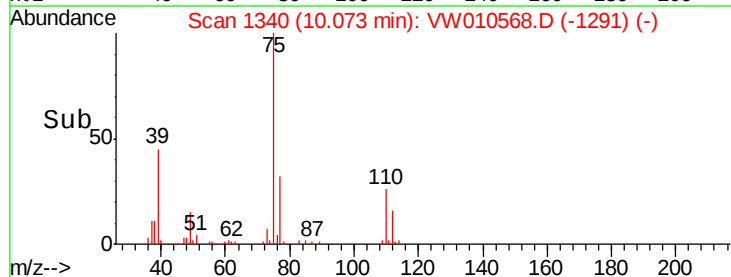
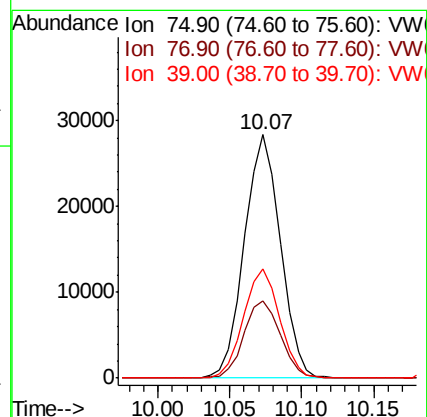
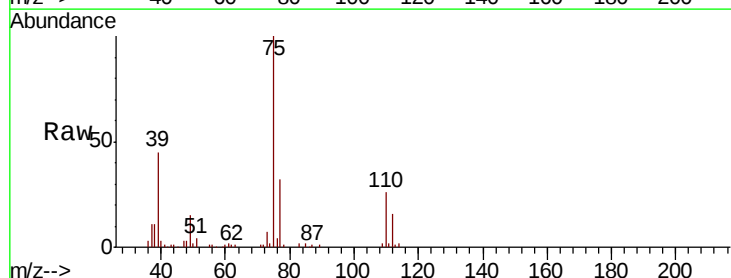
Tgt Ion: 75 Resp: 49157

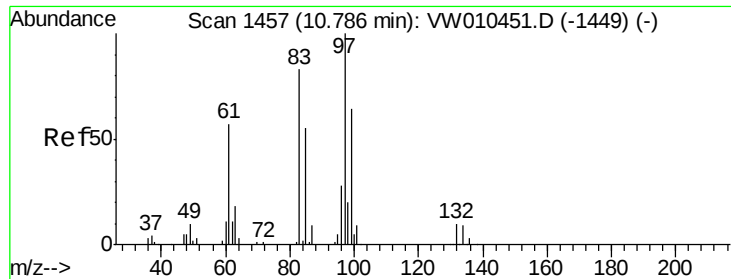
Ion Ratio Lower Upper

75 100

77 31.8 25.7 38.5

39 45.1 36.2 54.4

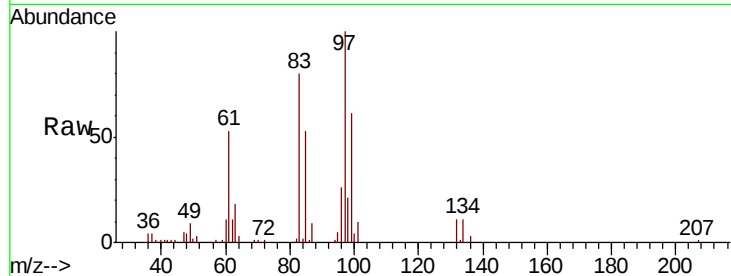




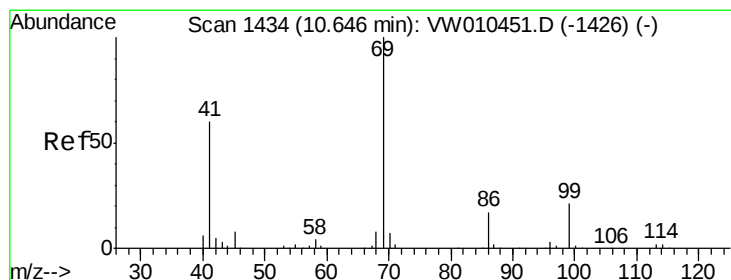
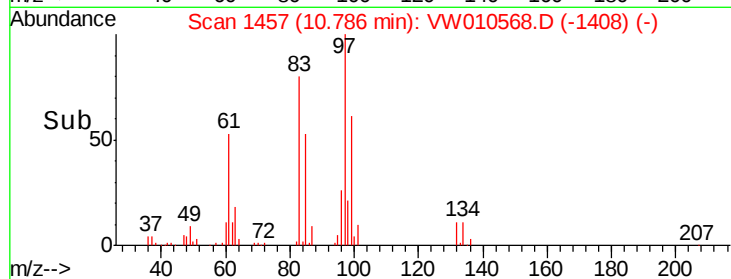
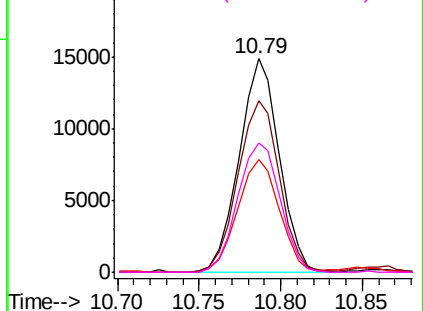
#55
 1,1,2-Trichloroethane
 Concen: 22.356 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW010568.D
 Acq: 28 May 2019 15:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0528SBSD01

Tot Ion:	97	Resp:	25487
Ion	Ratio	Lower	Upper
97	100		
83	80.5	66.1	99.1
85	52.7	44.2	66.4
99	60.7	51.1	76.7

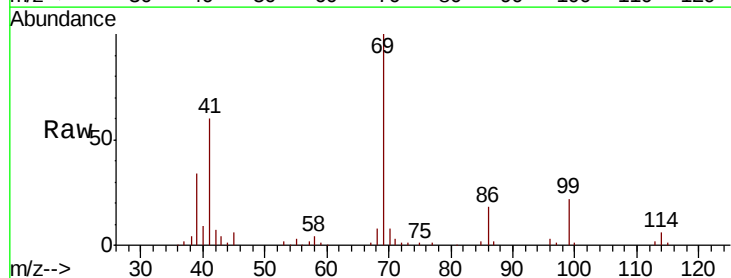


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

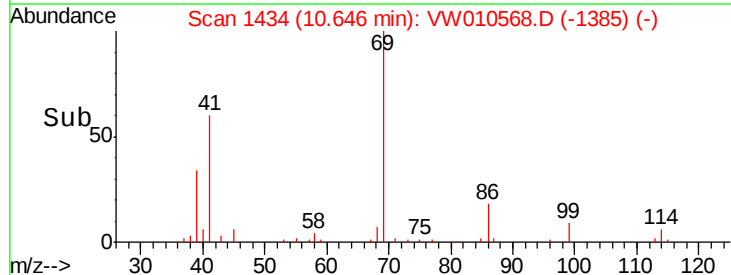
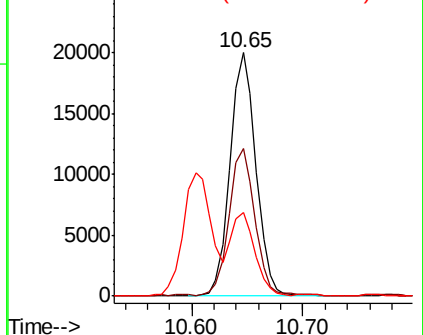


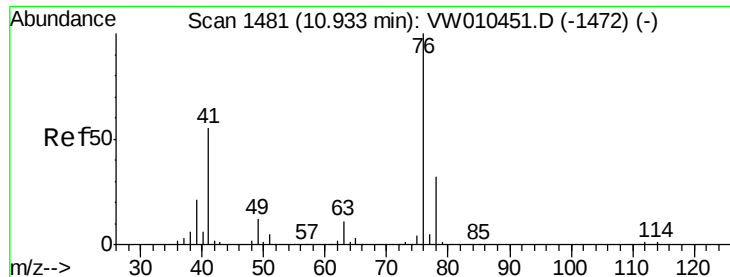
#56
 Ethyl methacrylate
 Concen: 20.472 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW010568.D
 Acq: 28 May 2019 15:38

Tgt Ion:	69	Resp:	32188
Ion	Ratio	Lower	Upper
69	100		
41	61.1	47.7	71.5
39	31.8	25.3	37.9



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

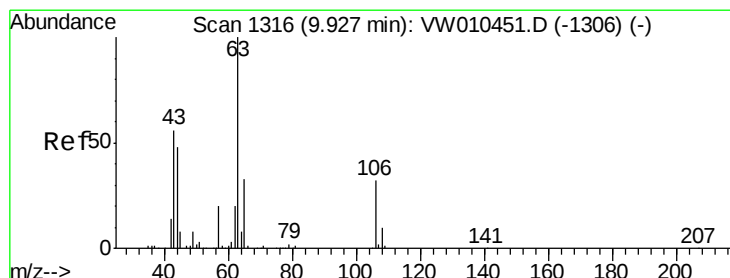
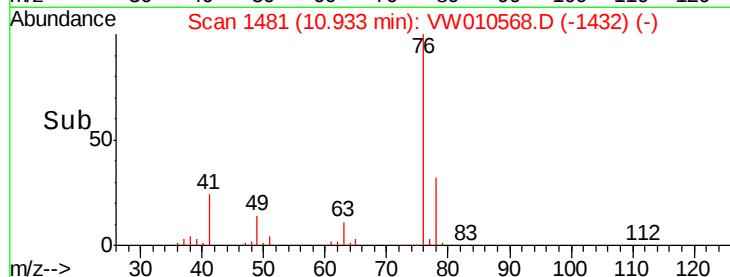
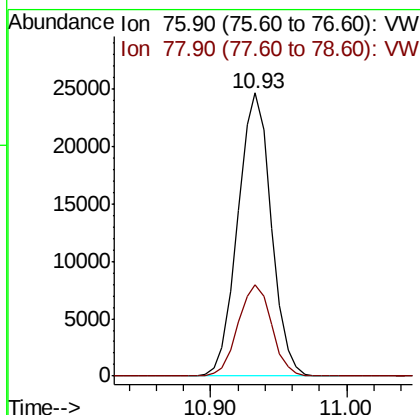
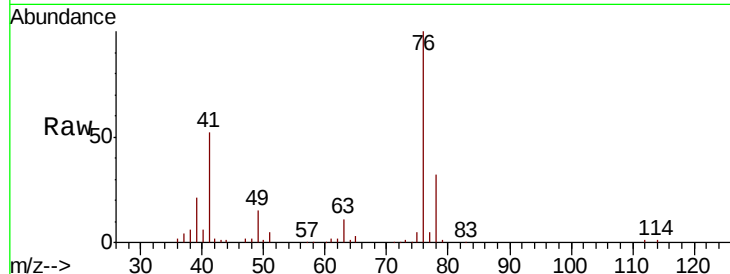




#57
 1,3-Dichloropropane
 Concen: 22.169 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW010568.D
 Acq: 28 May 2019 15:38

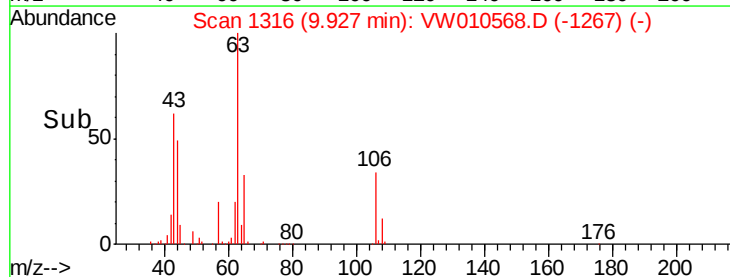
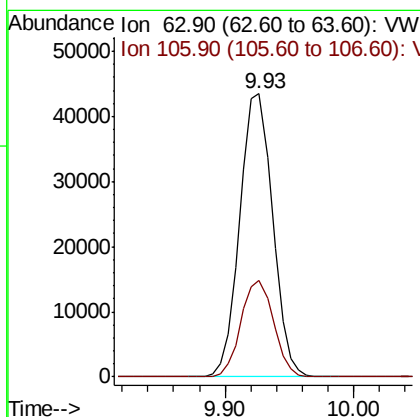
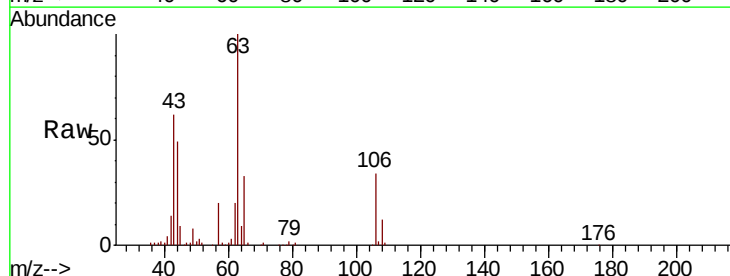
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0528SBSD01

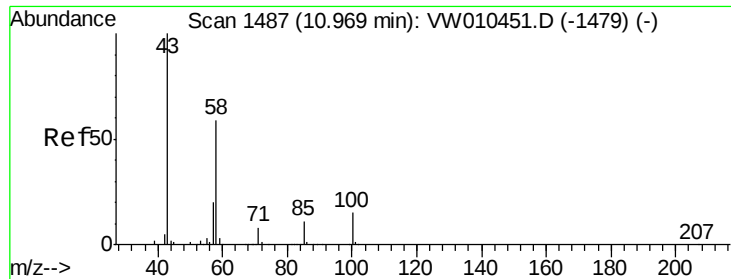
Tot Ion: 76 Resp: 42336
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 110.610 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW010568.D
 Acq: 28 May 2019 15:38

Tgt Ion: 63 Resp: 77032
 Ion Ratio Lower Upper
 63 100
 106 33.7 25.8 38.6

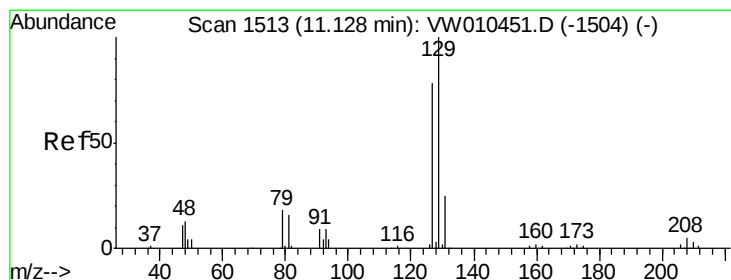
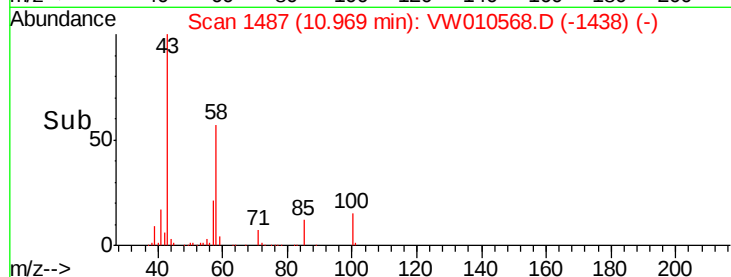
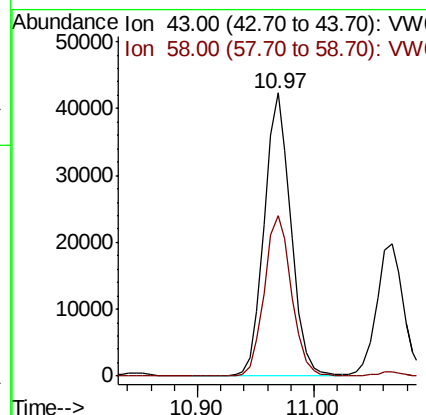
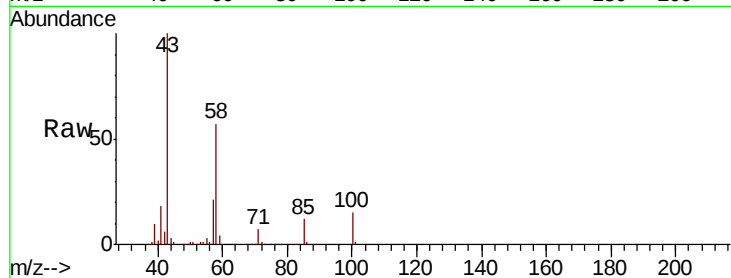




#59
2-Hexanone
Concen: 107.048 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010568.D
Acq: 28 May 2019 15:38

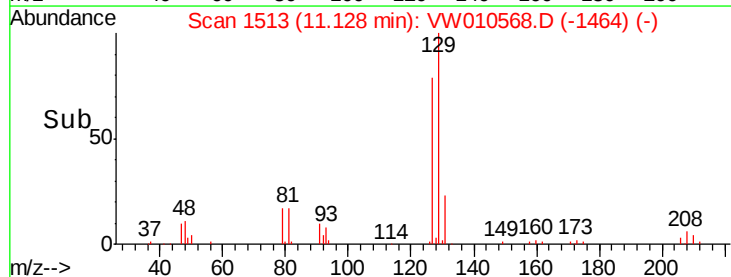
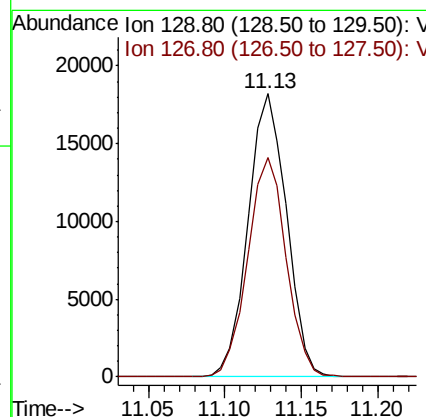
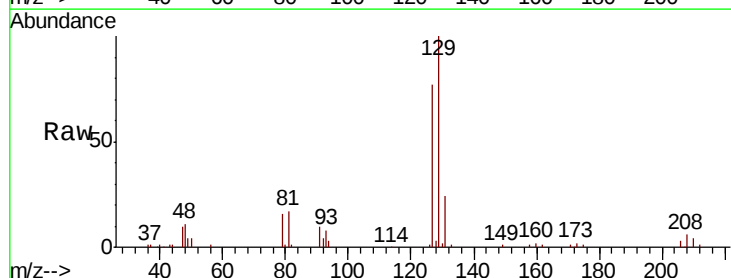
Instrument :
MSVOA_W
ClientSampleId :
VW0528SBSD01

Tot Ion: 43 Resp: 67509
Ion Ratio Lower Upper
43 100
58 58.0 28.9 86.8



#60
Dibromochloromethane
Concen: 22.103 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010568.D
Acq: 28 May 2019 15:38

Tgt Ion: 129 Resp: 31891
Ion Ratio Lower Upper
129 100
127 77.1 38.9 116.7

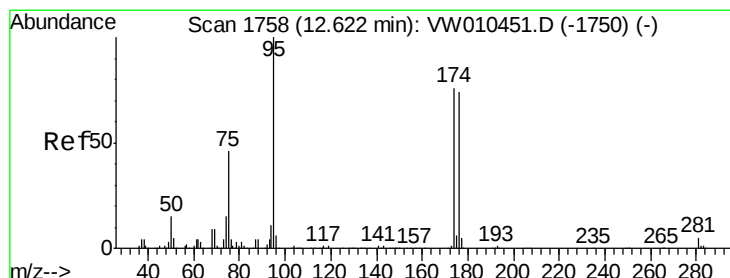
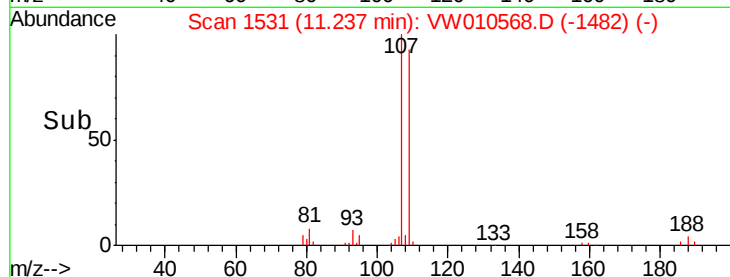
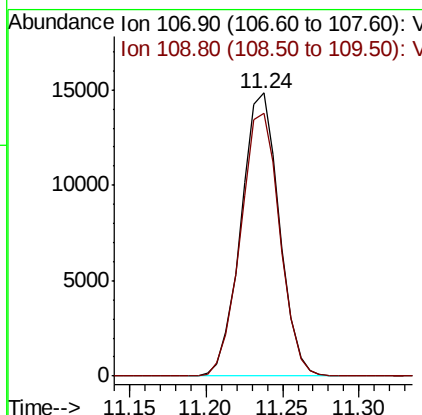
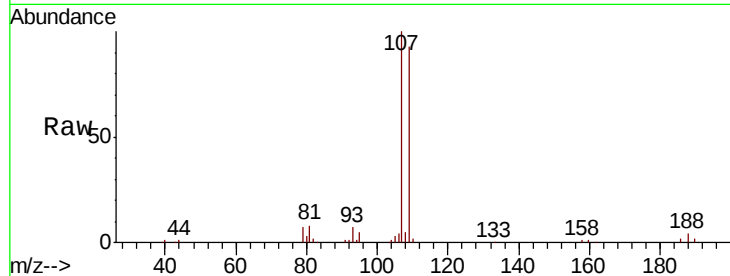




#61
 1,2-Dibromoethane
 Concen: 22.307 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW010568.D
 Acq: 28 May 2019 15:38

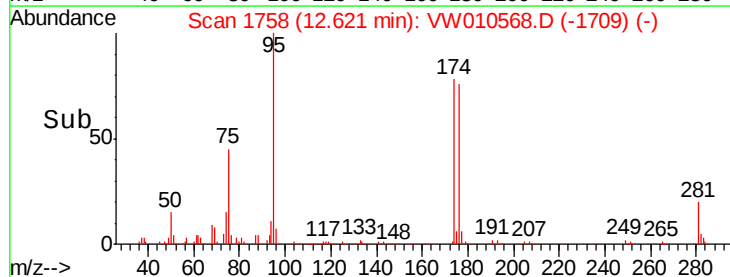
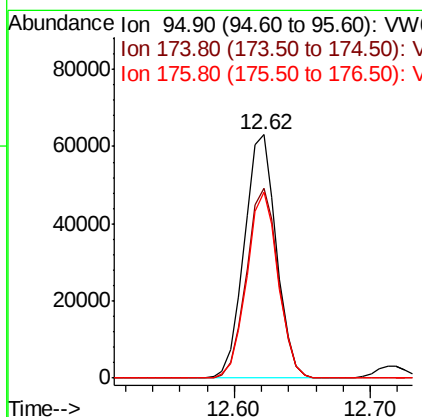
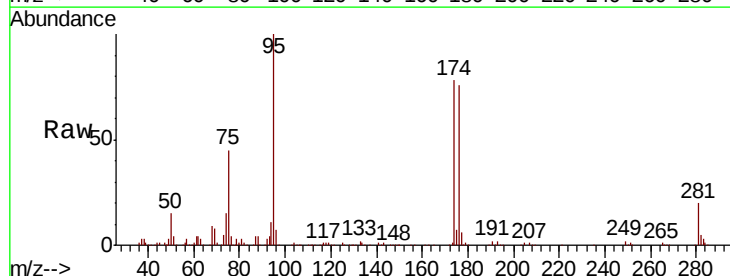
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0528SBSD01

Tot Ion: 107 Resp: 25761
 Ion Ratio Lower Upper
 107 100
 109 95.3 75.0 112.4



#62
 4-Bromofluorobenzene
 Concen: 50.969 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW010568.D
 Acq: 28 May 2019 15:38

Tgt Ion: 95 Resp: 103746
 Ion Ratio Lower Upper
 95 100
 174 77.4 0.0 148.6
 176 74.9 0.0 144.2

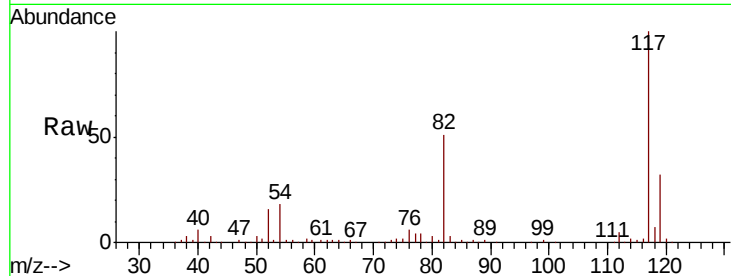




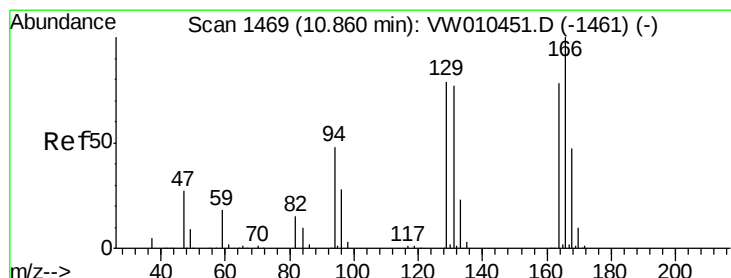
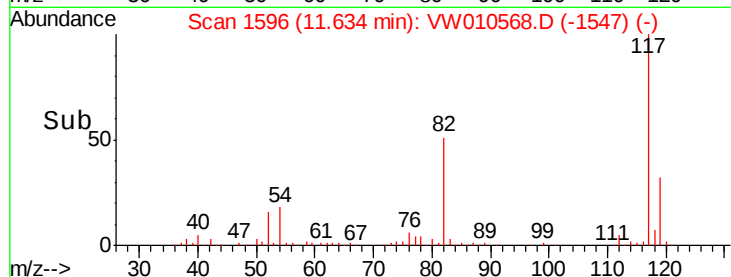
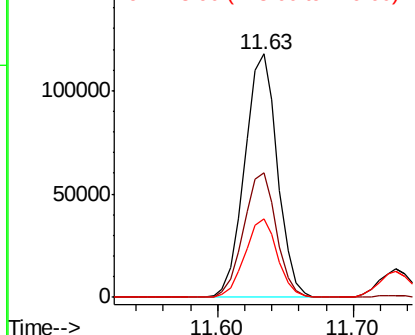
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010568.D
Acq: 28 May 2019 15:38

Instrument :
MSVOA_W
ClientSampleId :
VW0528SBSD01

Tot Ion:117 Resp: 197952
Ion Ratio Lower Upper
117 100
82 51.1 42.8 64.2
119 32.4 26.3 39.5

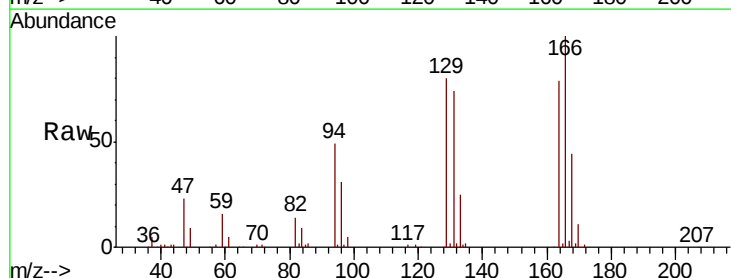


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

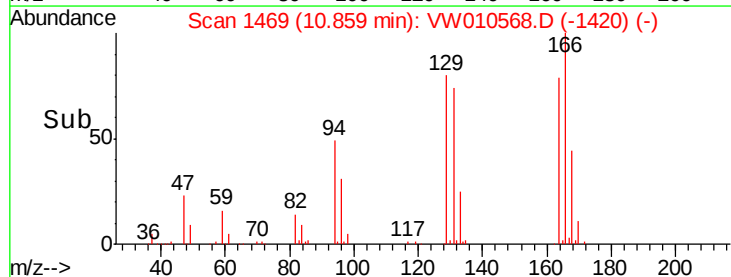
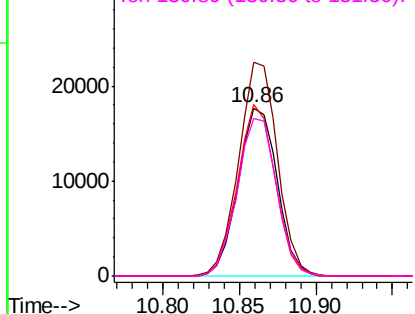


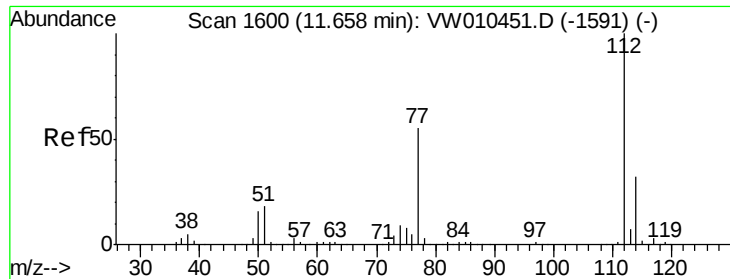
#64
Tetrachloroethene
Concen: 22.754 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010568.D
Acq: 28 May 2019 15:38

Tgt Ion:164 Resp: 31399
Ion Ratio Lower Upper
164 100
166 126.9 101.9 152.9
129 101.7 80.6 121.0
131 93.9 78.2 117.2



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

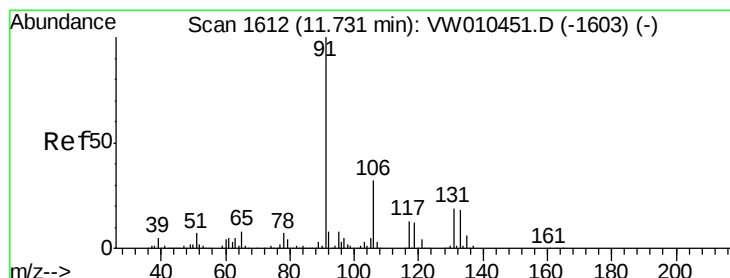
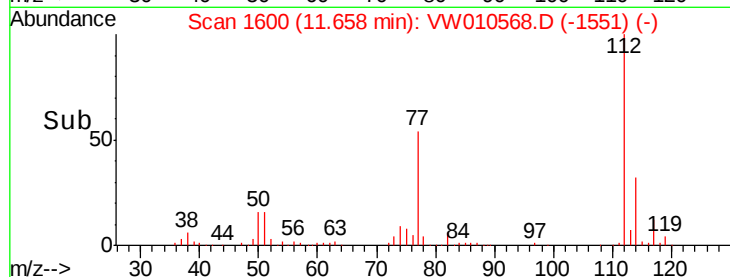
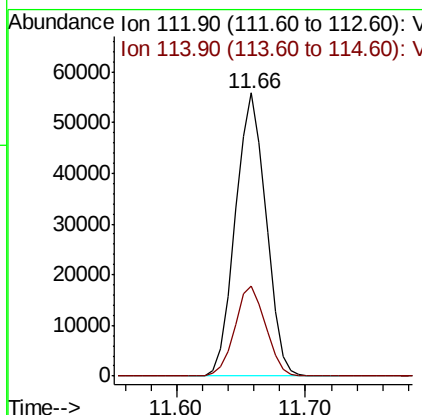
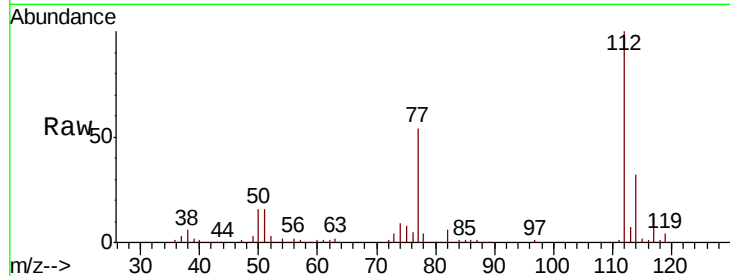




#65
Chlorobenzene
Concen: 21.833 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010568.D
Acq: 28 May 2019 15:38

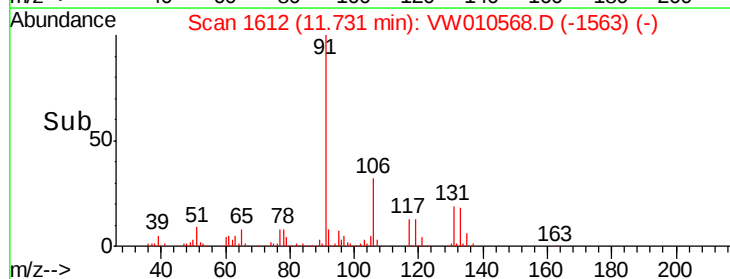
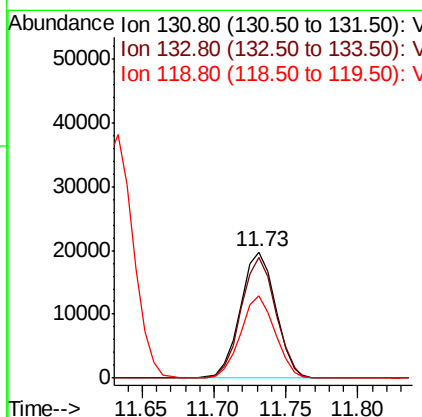
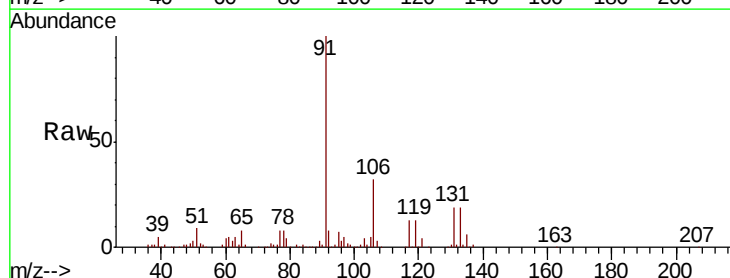
Instrument :
MSVOA_W
ClientSampleId :
VW0528SBSD01

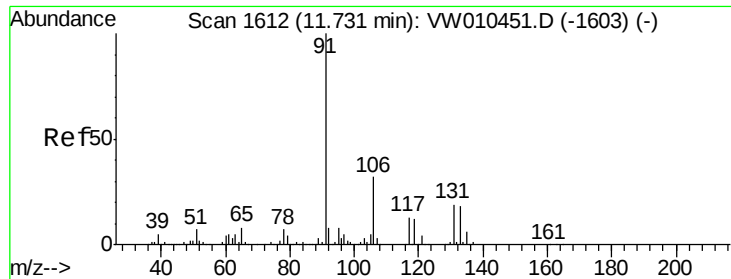
Tot Ion:112 Resp: 92108
Ion Ratio Lower Upper
112 100
114 31.6 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 22.169 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010568.D
Acq: 28 May 2019 15:38

Tgt Ion:131 Resp: 33503
Ion Ratio Lower Upper
131 100
133 94.1 47.3 141.9
119 63.8 32.1 96.5

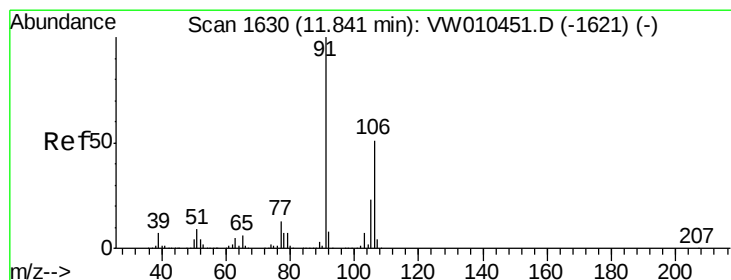
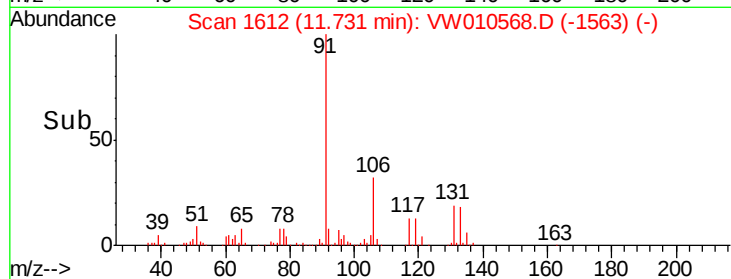
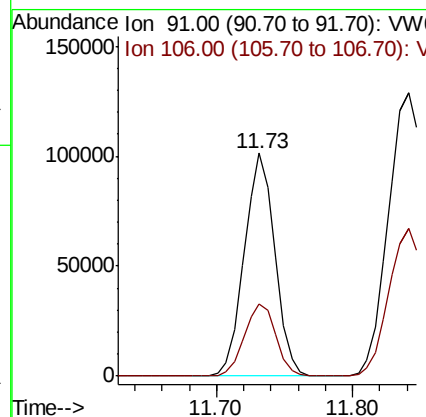
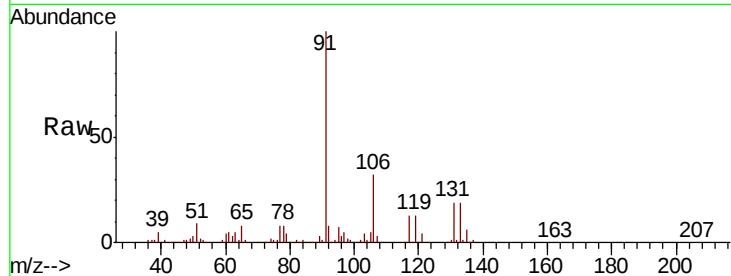




#67
Ethyl Benzene
Concen: 21.356 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010568.D
Acq: 28 May 2019 15:38

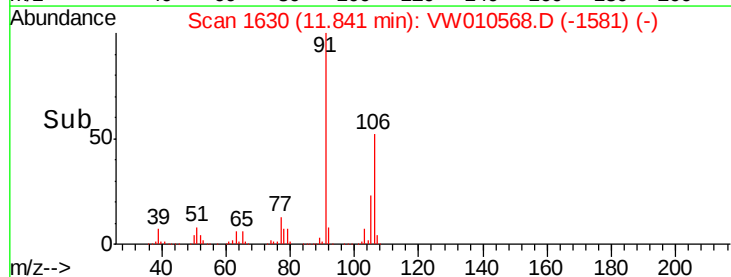
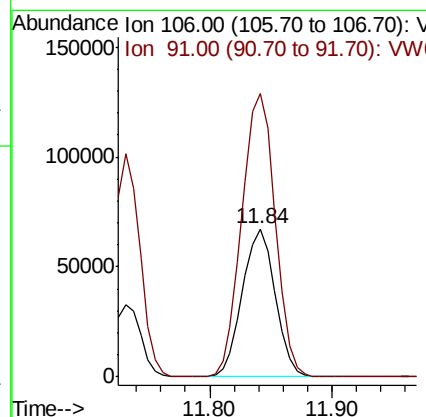
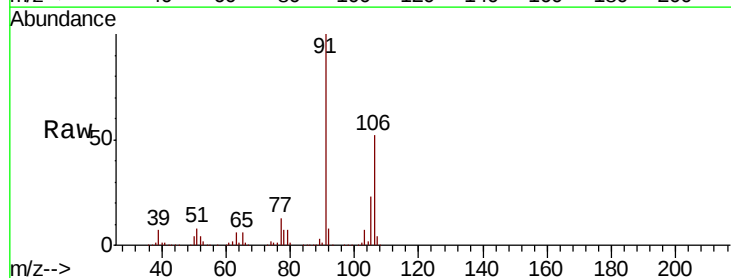
Instrument :
MSVOA_W
ClientSampleId :
VW0528SBS01

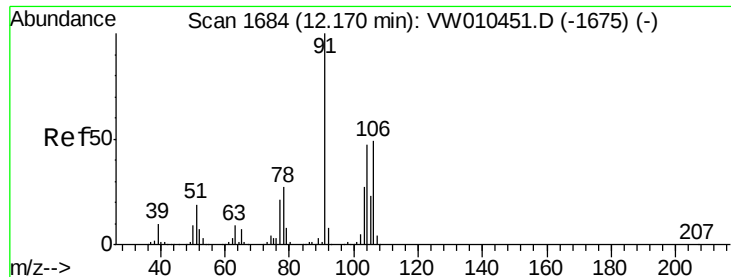
Tot Ion: 91 Resp: 159067
Ion Ratio Lower Upper
91 100
106 32.3 25.9 38.9



#68
m/p-Xylenes
Concen: 43.067 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010568.D
Acq: 28 May 2019 15:38

Tgt Ion: 106 Resp: 125823
Ion Ratio Lower Upper
106 100
91 194.2 156.0 234.0

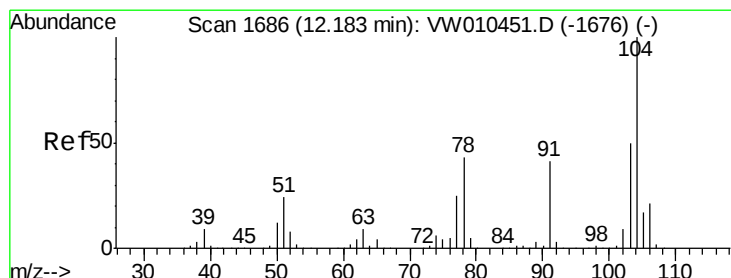
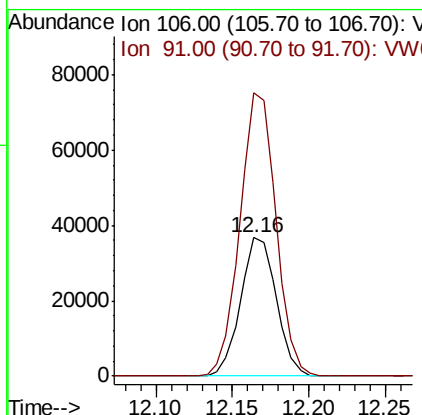
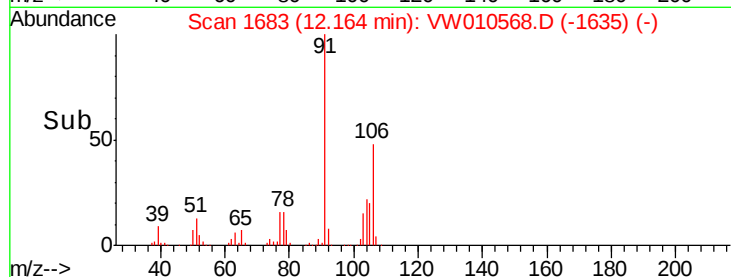
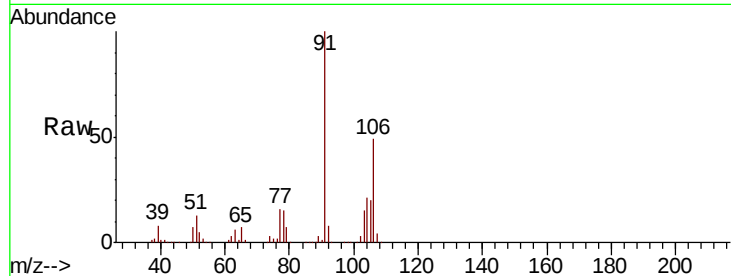




#69
o-Xylene
Concen: 21.594 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010568.D
Acq: 28 May 2019 15:38

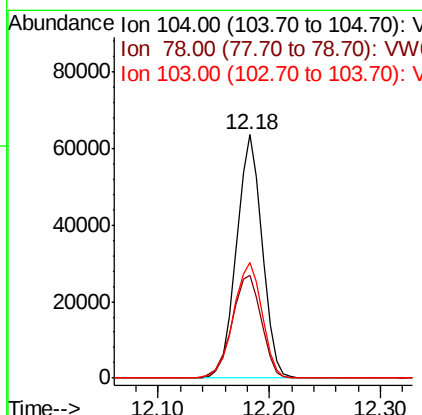
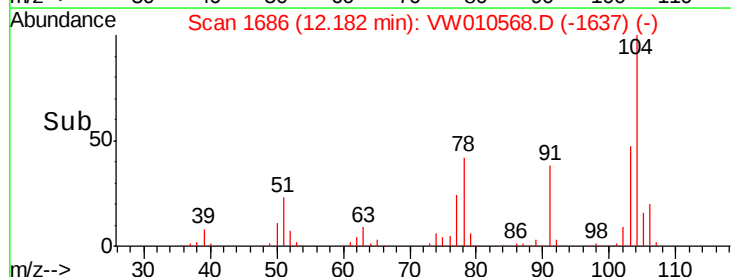
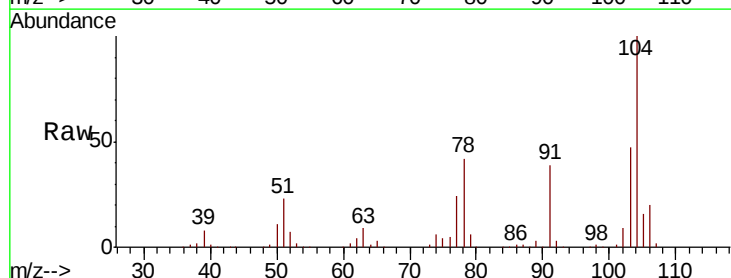
Instrument :
MSVOA_W
ClientSampled :
VW0528SBS01

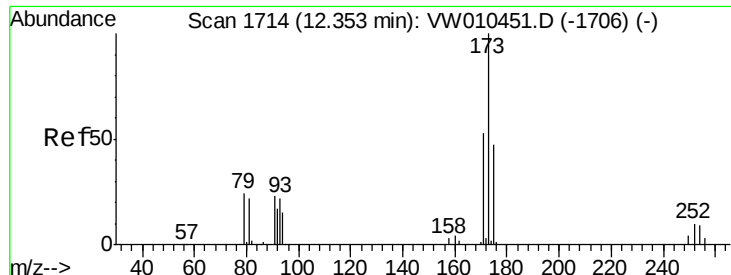
Tot Ion:106 Resp: 59772
Ion Ratio Lower Upper
106 100
91 205.5 103.2 309.4



#70
Styrene
Concen: 21.603 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010568.D
Acq: 28 May 2019 15:38

Tgt Ion:104 Resp: 101461
Ion Ratio Lower Upper
104 100
78 48.3 39.0 58.4
103 52.8 43.0 64.6





#71

Bromoform

Concen: 22.021 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW010568.D

Acq: 28 May 2019 15:38

Instrument :

MSVOA_W

ClientSampleId :

VW0528SBSD01

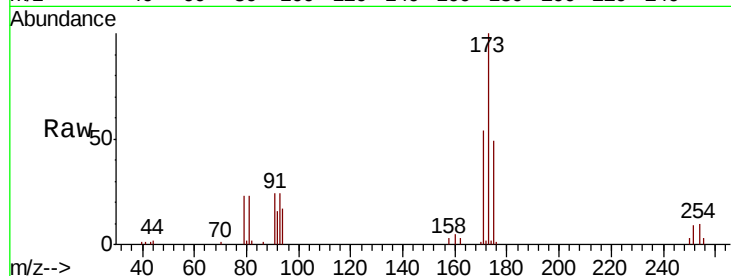
Tot Ion:173 Resp: 18327

Ion Ratio Lower Upper

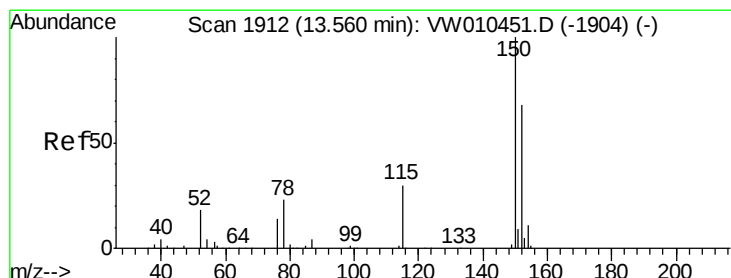
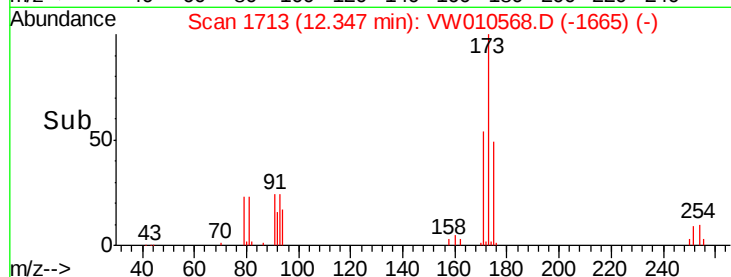
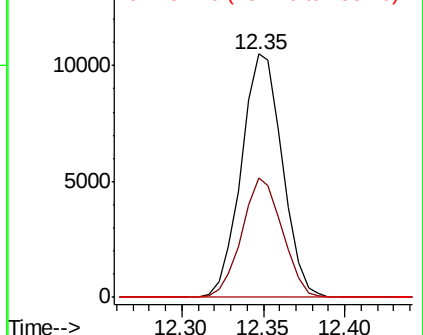
173 100

175 48.2 24.4 73.4

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: VW010568.D

Acq: 28 May 2019 15:38

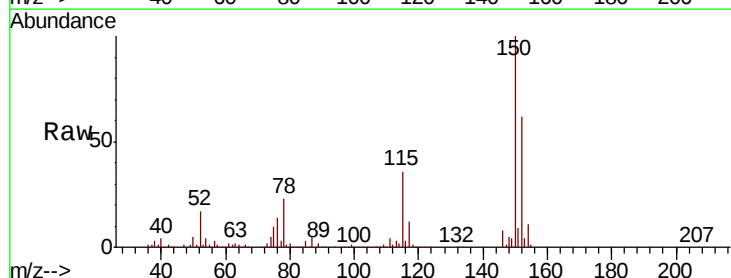
Tgt Ion:152 Resp: 98980

Ion Ratio Lower Upper

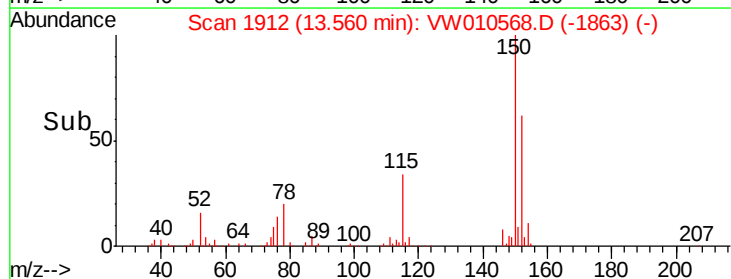
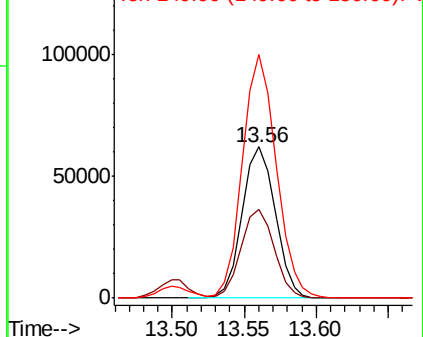
152 100

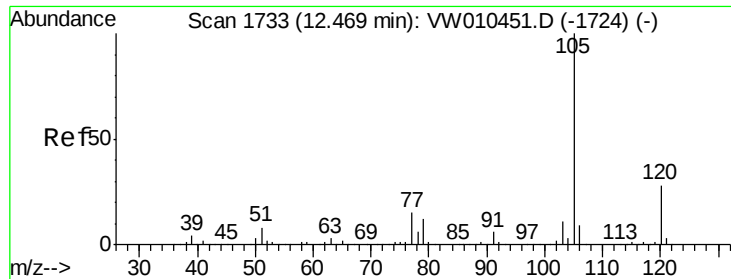
115 59.1 30.3 91.0

150 164.4 0.0 349.8



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

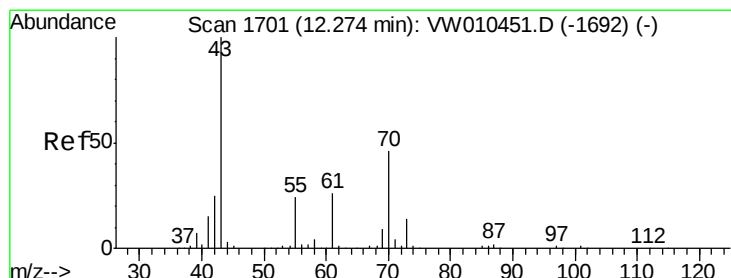
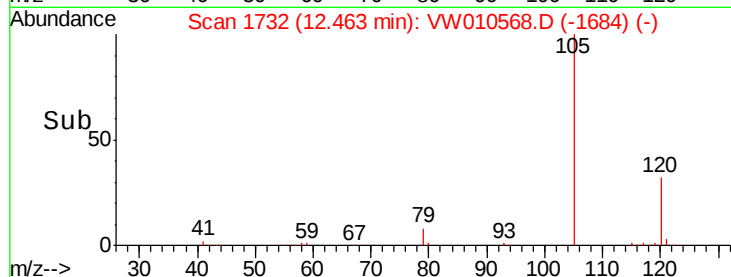
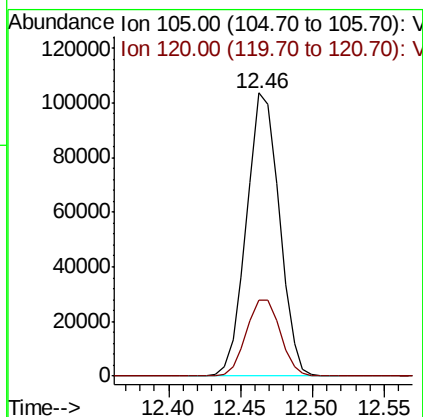
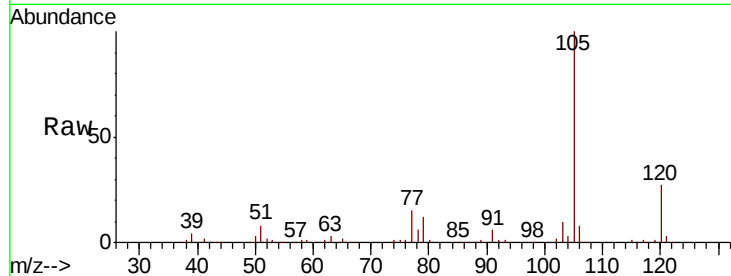




#73
Isopropylbenzene
Concen: 20.814 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.01 min
Lab File: VW010568.D
Acq: 28 May 2019 15:38

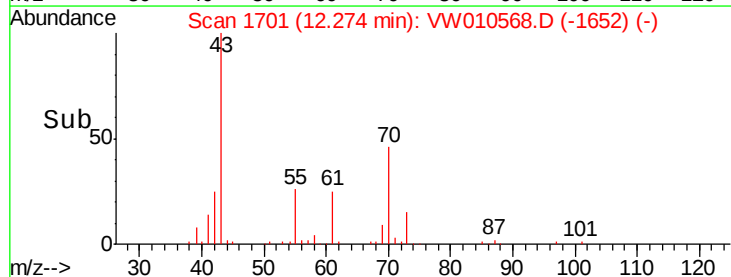
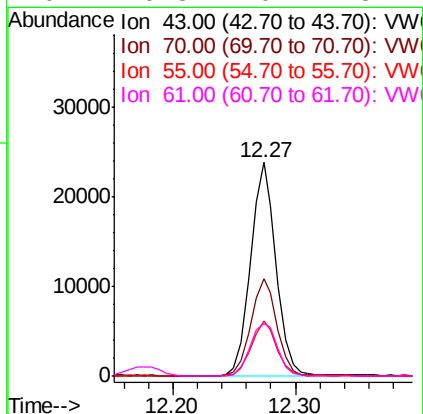
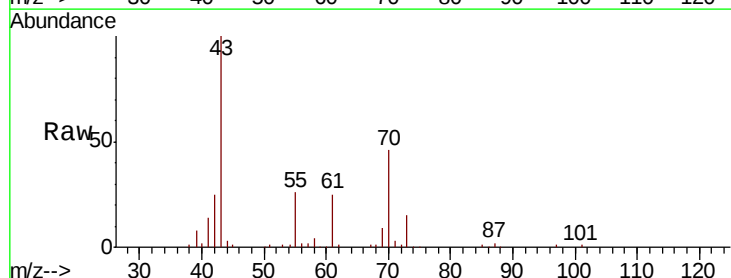
Instrument :
MSVOA_W
ClientSampleId :
VW0528SBSD01

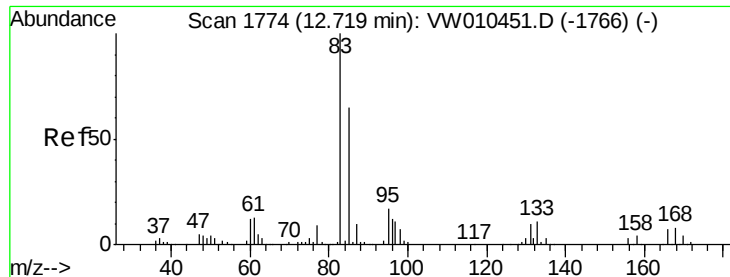
Tot Ion:105 Resp: 163479
Ion Ratio Lower Upper
105 100
120 28.0 13.9 41.7



#74
N-ethyl acetate
Concen: 19.217 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW010568.D
Acq: 28 May 2019 15:38

Tgt Ion: 43 Resp: 34588
Ion Ratio Lower Upper
43 100
70 46.6 37.1 55.7
55 25.7 19.6 29.4
61 26.3 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 20.692 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW010568.D

Acq: 28 May 2019 15:38

Instrument :

MSVOA_W

ClientSampleId :

VW0528SBSD01

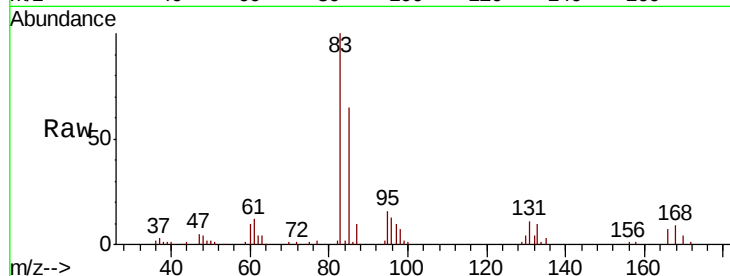
Tot Ion: 83 Resp: 29561

Ion Ratio Lower Upper

83 100

131 11.9 5.6 16.8

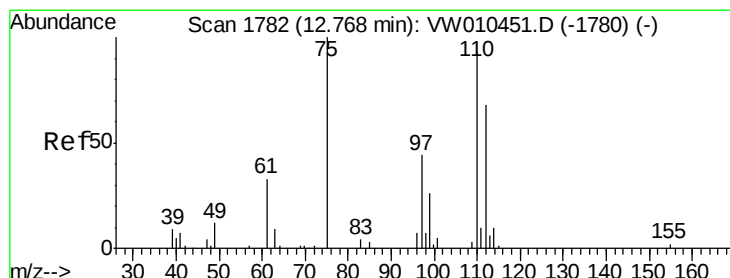
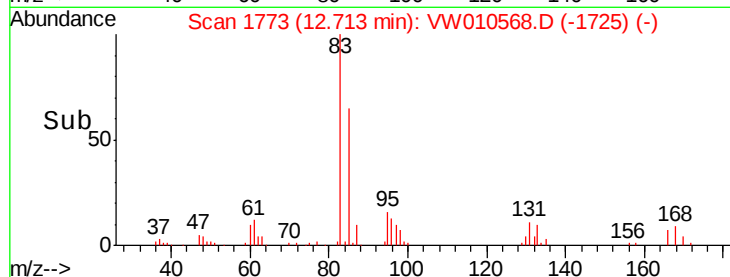
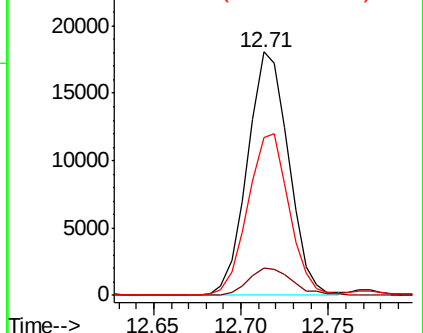
85 66.8 32.4 97.0



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: 37.399 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW010568.D

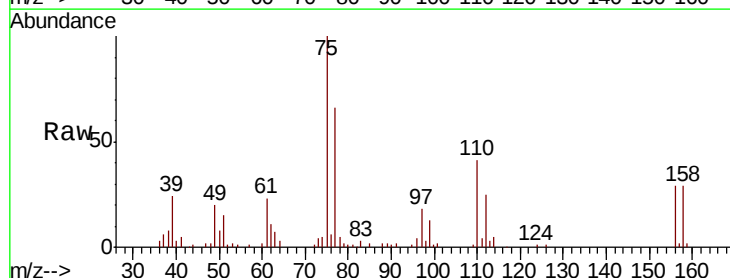
Acq: 28 May 2019 15:38

Tgt Ion: 75 Resp: 37575

Ion Ratio Lower Upper

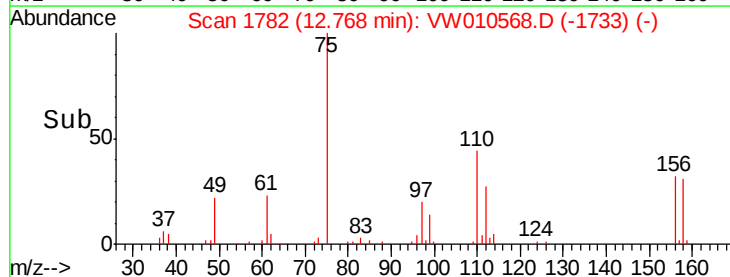
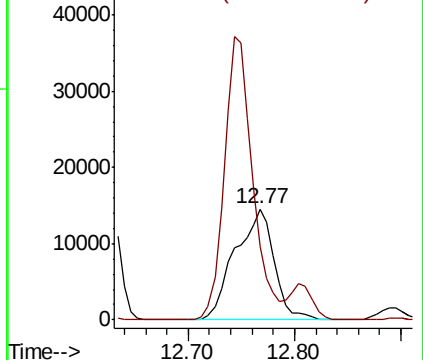
75 100

77 0.0 170.0 510.1#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 22.412 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010568.D

Acq: 28 May 2019 15:38

Instrument :

MSVOA_W

ClientSampleId :

VW0528SBSD01

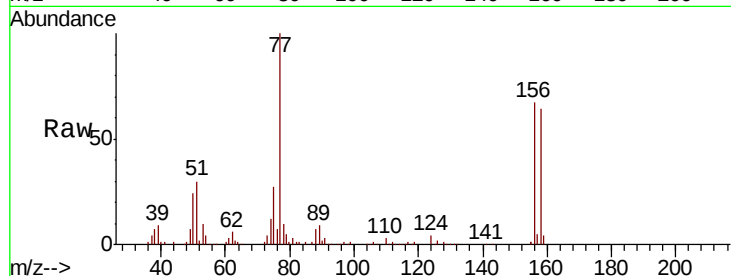
Tot Ion:156 Resp: 39393

Ion Ratio Lower Upper

156 100

77 174.4 92.4 277.2

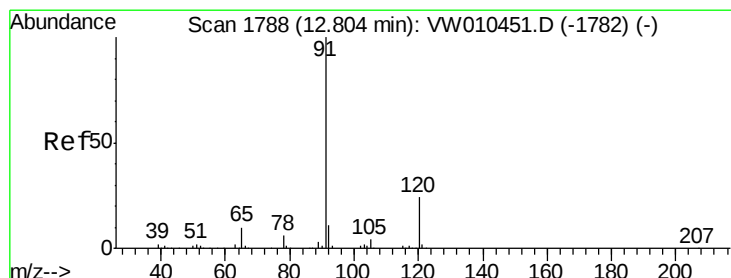
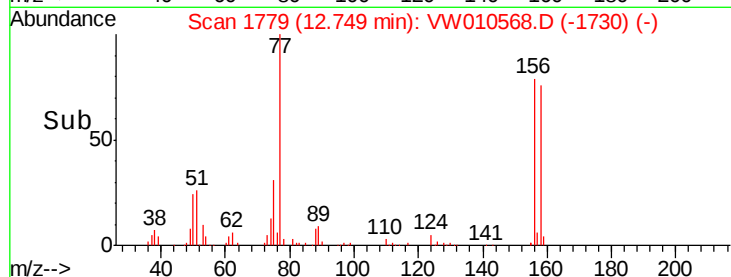
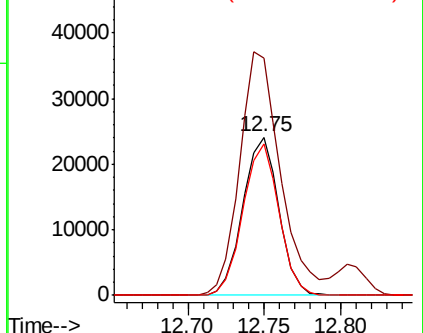
158 96.0 48.3 144.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.309 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW010568.D

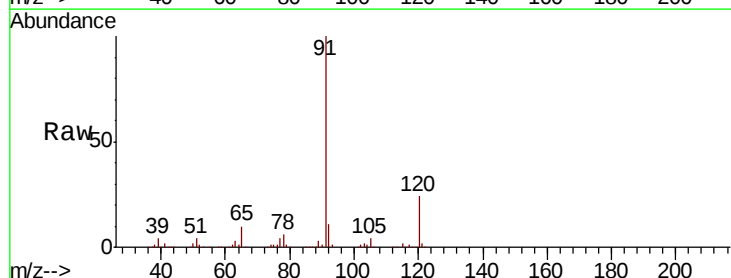
Acq: 28 May 2019 15:38

Tgt Ion: 91 Resp: 185893

Ion Ratio Lower Upper

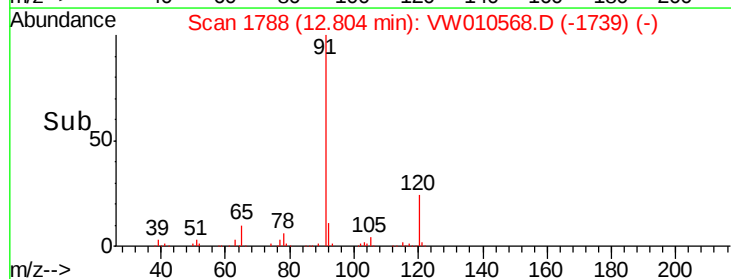
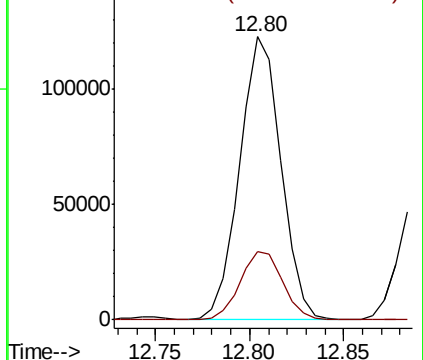
91 100

120 24.9 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.605 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW010568.D

Acq: 28 May 2019 15:38

Instrument :

MSVOA_W

ClientSampleId :

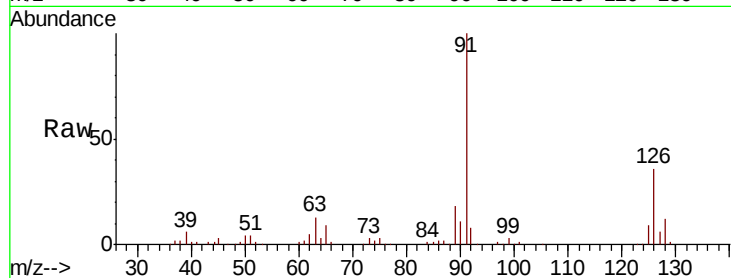
VW0528SBSD01

Tot Ion: 91 Resp: 109377

Ion Ratio Lower Upper

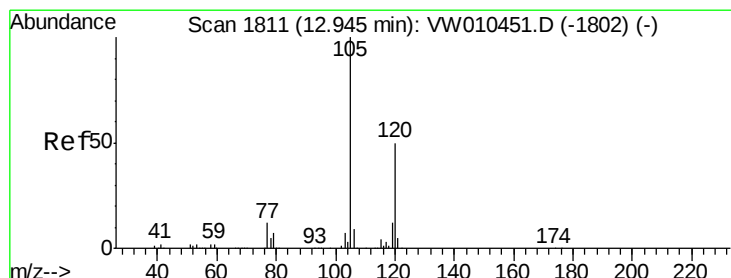
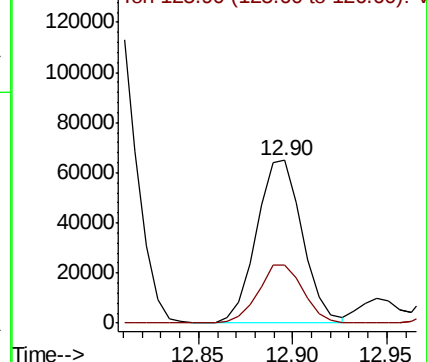
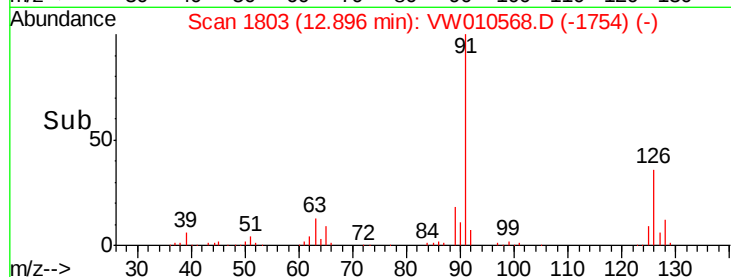
91 100

126 35.3 17.4 52.3



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: 20.797 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010568.D

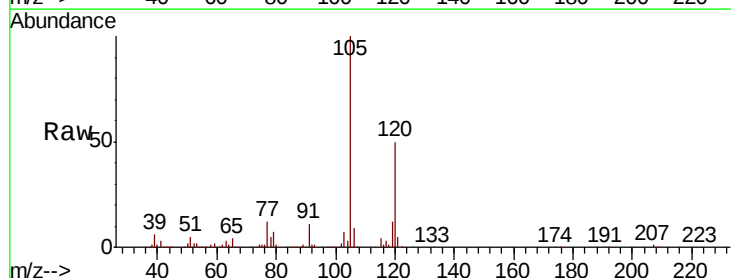
Acq: 28 May 2019 15:38

Tgt Ion:105 Resp: 138344

Ion Ratio Lower Upper

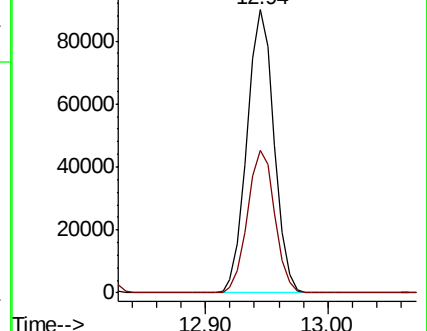
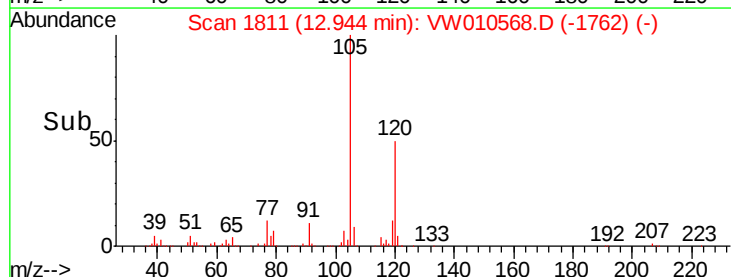
105 100

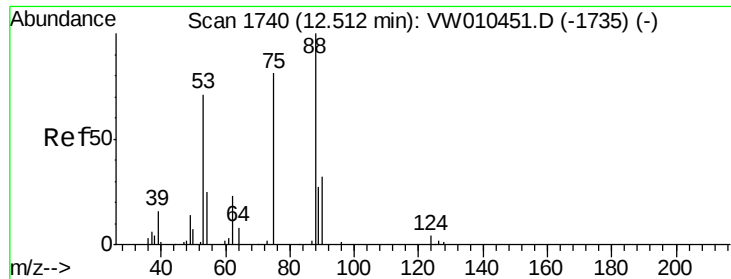
120 50.8 25.2 75.6



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: 19.588 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW010568.D

Acq: 28 May 2019 15:38

Instrument :

MSVOA_W

ClientSampleId :

VW0528SBSD01

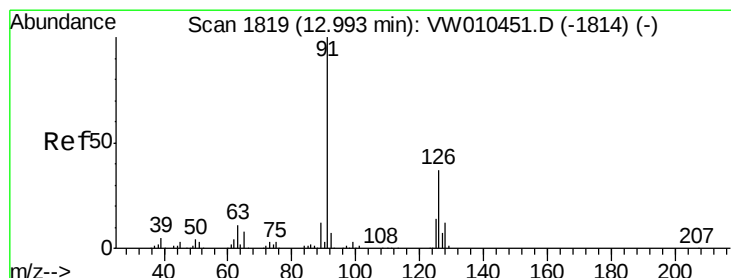
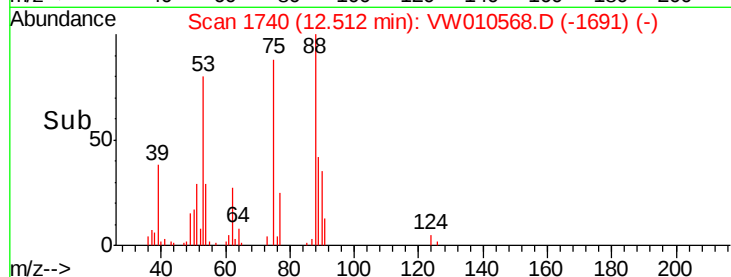
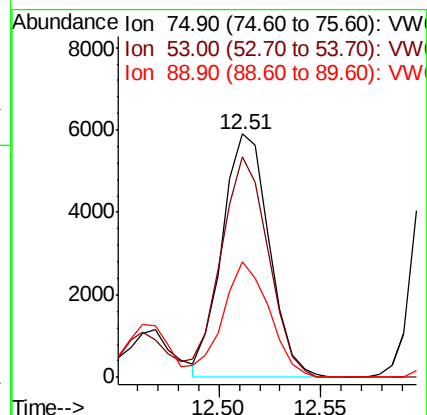
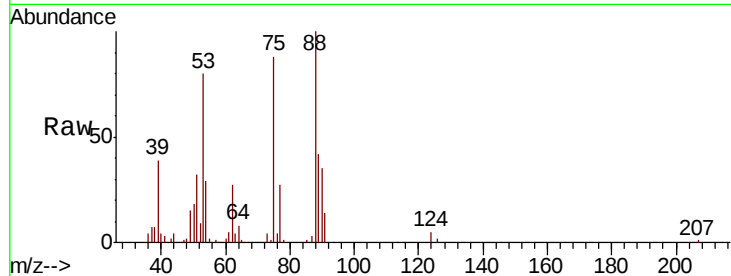
Tot Ion: 75 Resp: 9430

Ion Ratio Lower Upper

75 100

53 92.2 69.8 104.8

89 47.6 39.5 59.3



#82

4-Chlorotoluene

Concen: 20.558 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.01 min

Lab File: VW010568.D

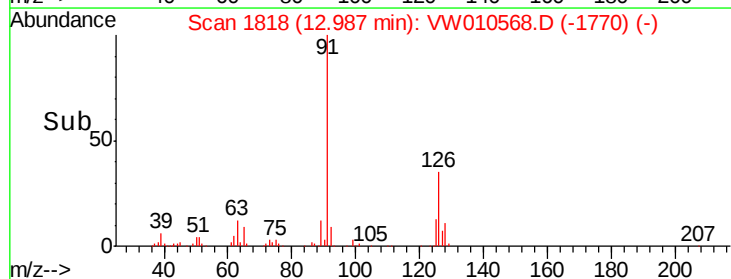
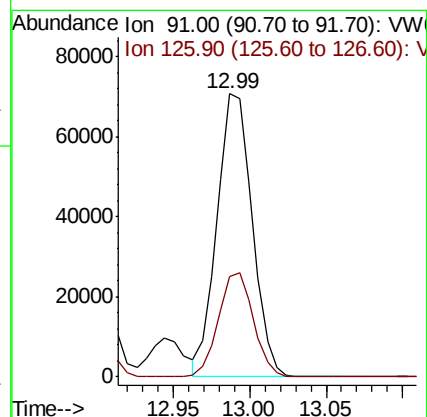
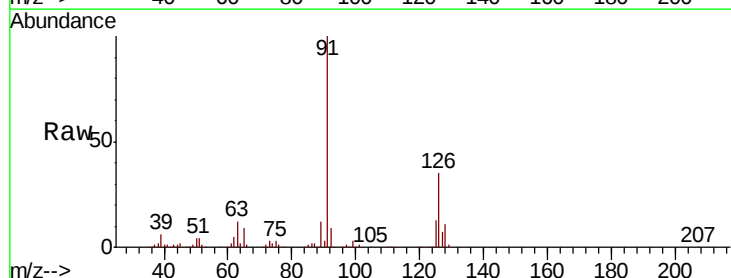
Acq: 28 May 2019 15:38

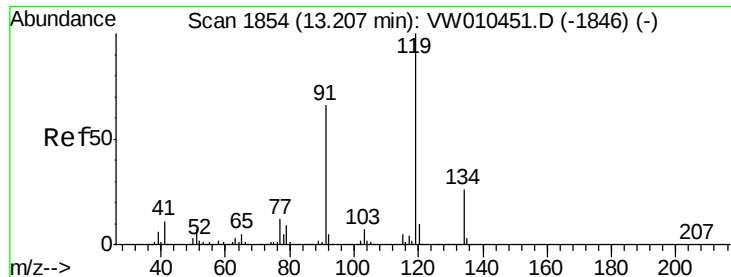
Tgt Ion: 91 Resp: 113269

Ion Ratio Lower Upper

91 100

126 36.6 17.5 52.6

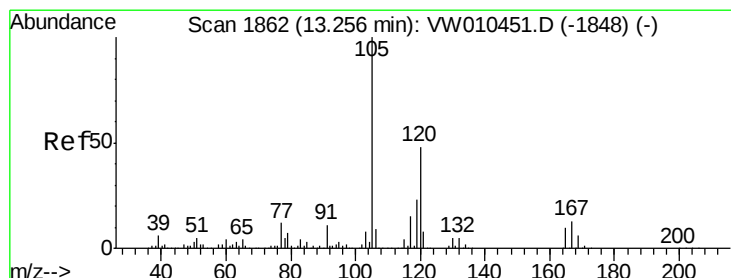
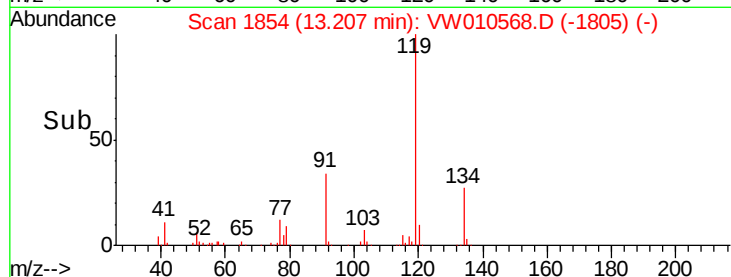
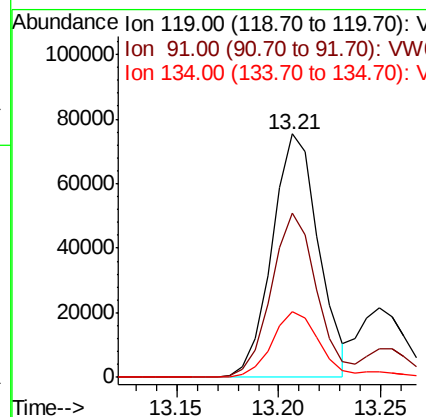
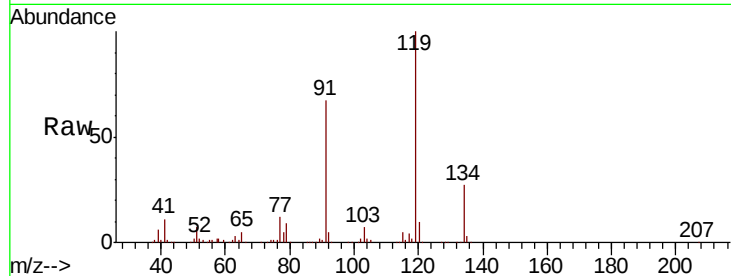




#83
tert-Butylbenzene
Concen: 20.660 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW010568.D
Acq: 28 May 2019 15:38

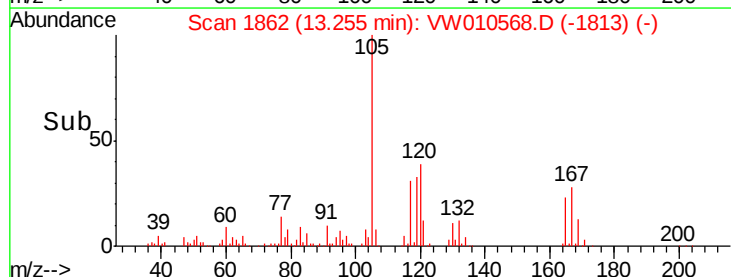
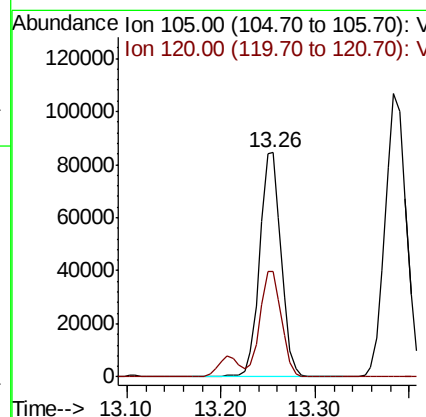
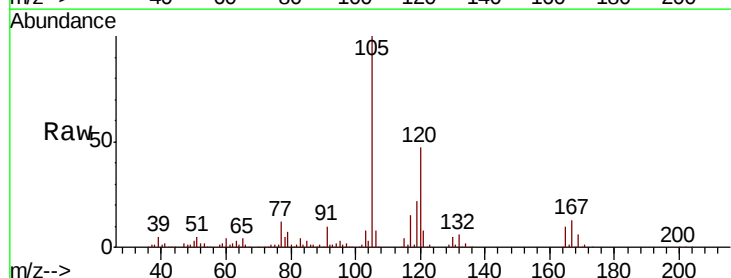
Instrument :
MSVOA_W
ClientSampleId :
VW0528SBSD01

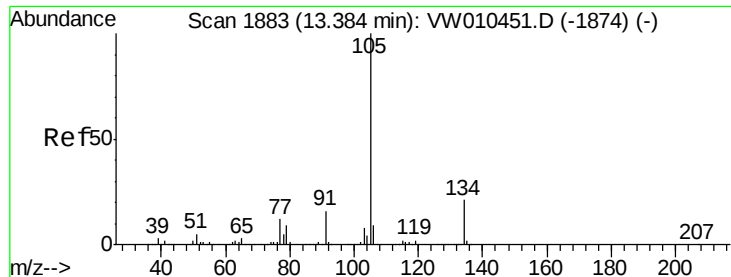
Tot Ion:119 Resp: 120049
Ion Ratio Lower Upper
119 100
91 66.3 33.1 99.5
134 28.9 13.9 41.6



#84
1,2,4-Trimethylbenzene
Concen: 20.587 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW010568.D
Acq: 28 May 2019 15:38

Tgt Ion:105 Resp: 136397
Ion Ratio Lower Upper
105 100
120 47.1 23.4 70.2





#85

sec-Butylbenzene

Concen: 20.538 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW010568.D

Acq: 28 May 2019 15:38

Instrument :

MSVOA_W

ClientSampleId :

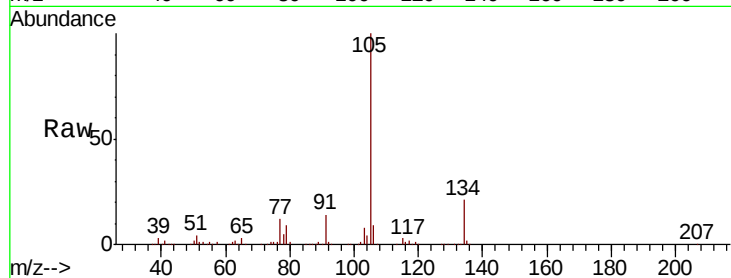
VW0528SBSD01

Tot Ion:105 Resp: 167010

Ion Ratio Lower Upper

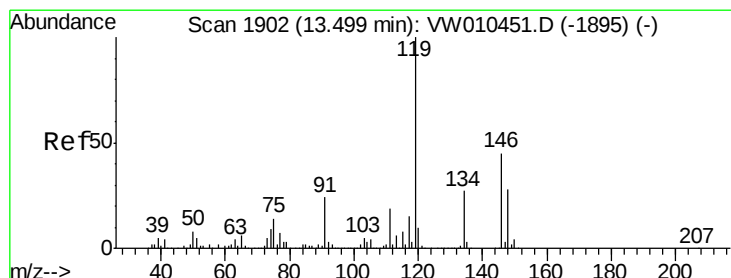
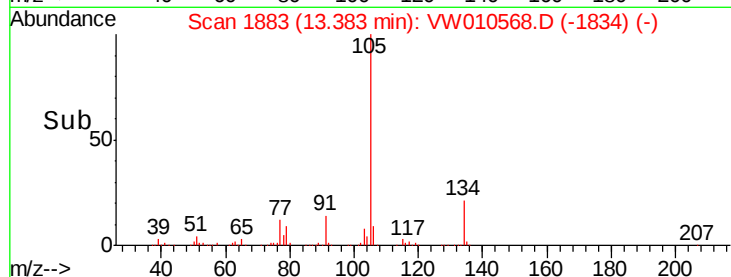
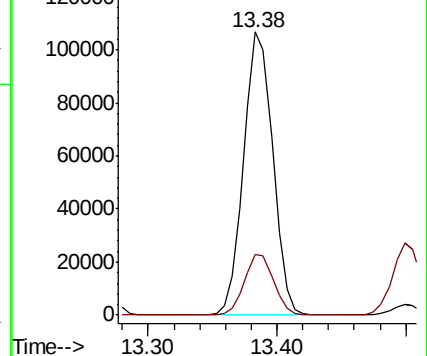
105 100

134 21.4 10.5 31.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.865 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010568.D

Acq: 28 May 2019 15:38

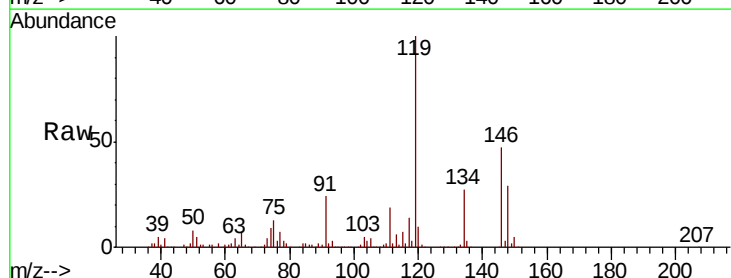
Tgt Ion:119 Resp: 153570

Ion Ratio Lower Upper

119 100

134 27.4 13.6 40.7

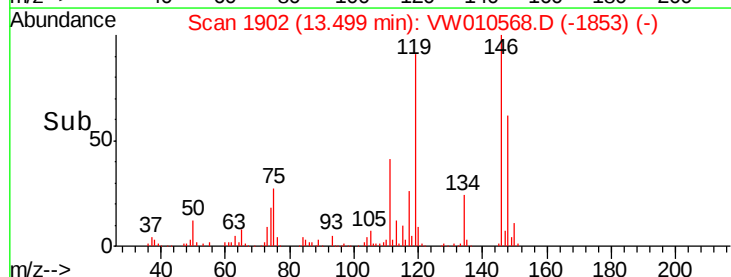
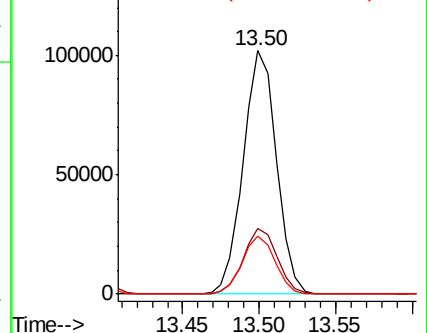
91 24.0 11.9 35.7

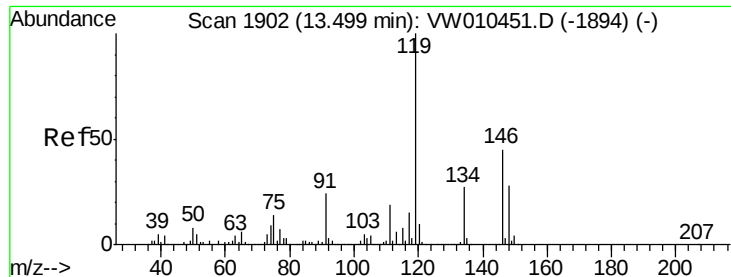


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

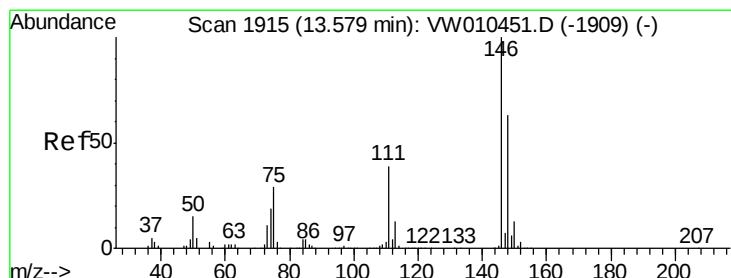
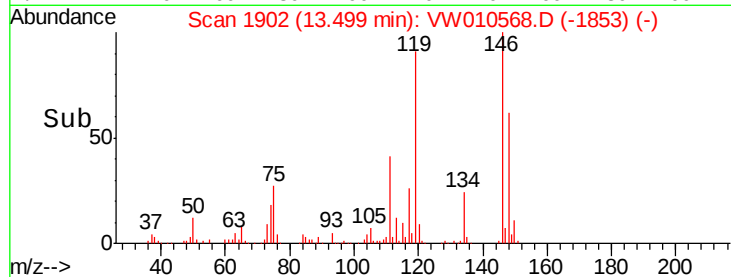
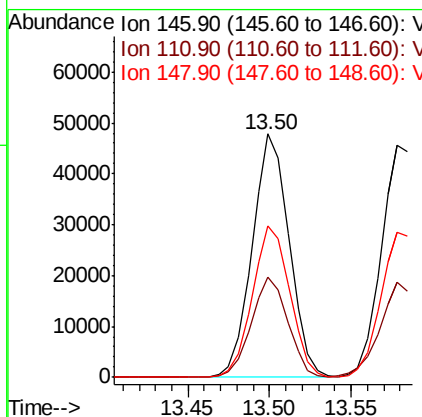
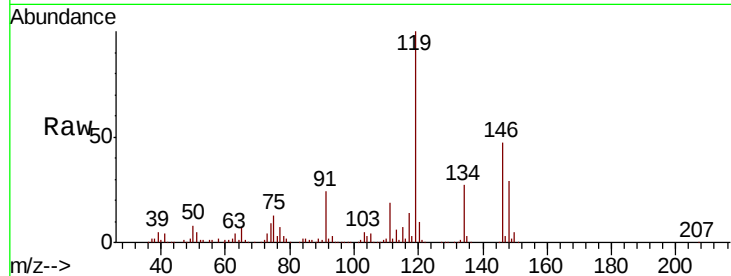




#87
 1,3-Dichlorobenzene
 Concen: 21.882 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010568.D
 Acq: 28 May 2019 15:38

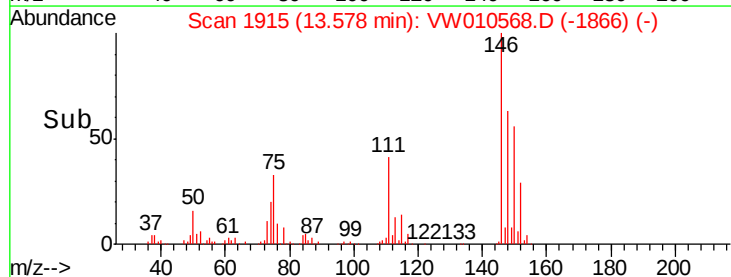
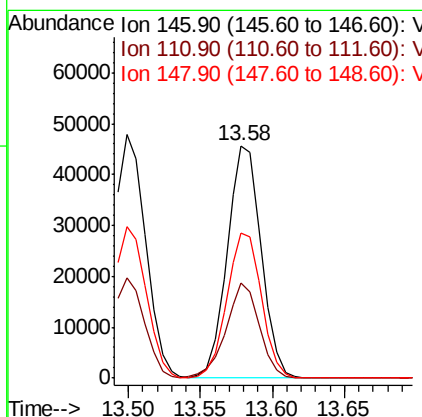
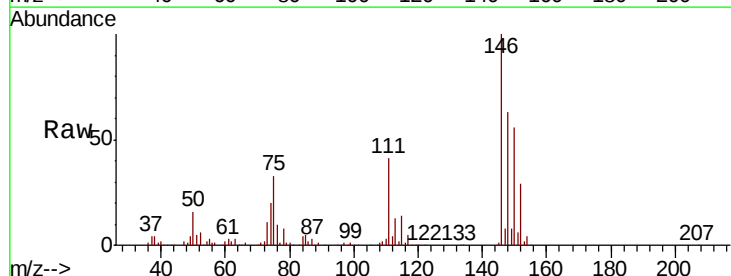
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0528SBSD01

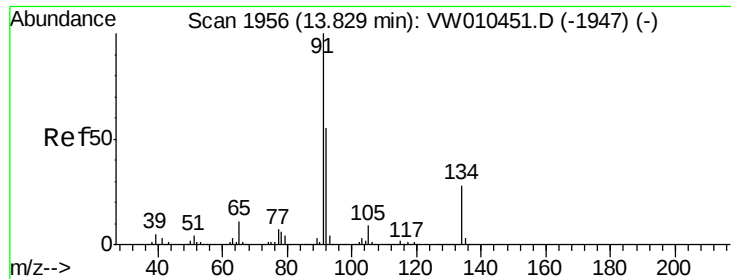
Tot Ion:146 Resp: 75457
 Ion Ratio Lower Upper
 146 100
 111 40.9 20.3 60.9
 148 63.1 31.6 94.8



#88
 1,4-Dichlorobenzene
 Concen: 21.731 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW010568.D
 Acq: 28 May 2019 15:38

Tgt Ion:146 Resp: 75186
 Ion Ratio Lower Upper
 146 100
 111 40.4 19.9 59.6
 148 63.5 31.6 94.8





#89

n-Butylbenzene

Concen: 19.876 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW010568.D

Acq: 28 May 2019 15:38

Instrument :

MSVOA_W

ClientSampleId :

VW0528SBS01

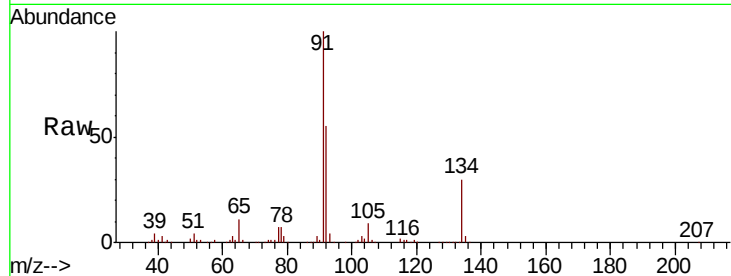
Tot Ion: 91 Resp: 139155

Ion Ratio Lower Upper

91 100

92 55.3 27.7 83.1

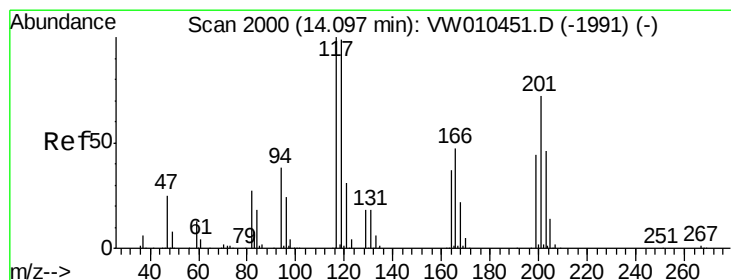
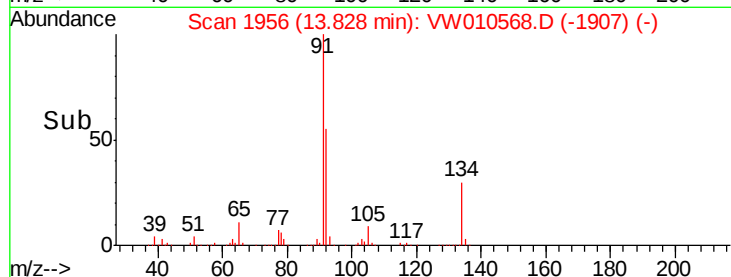
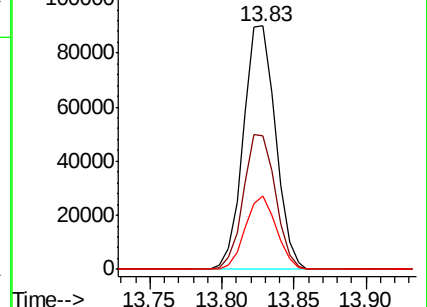
134 29.1 13.9 41.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 20.451 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW010568.D

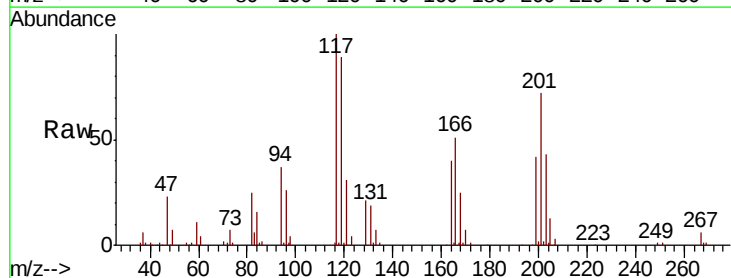
Acq: 28 May 2019 15:38

Tgt Ion: 117 Resp: 29135

Ion Ratio Lower Upper

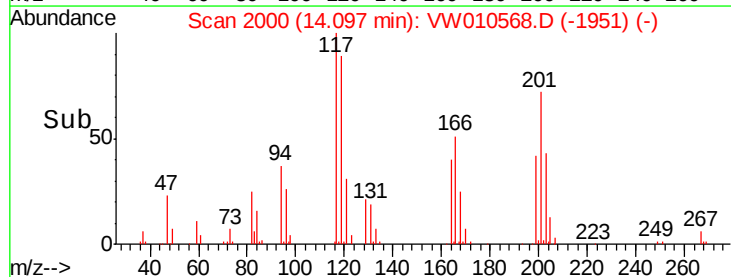
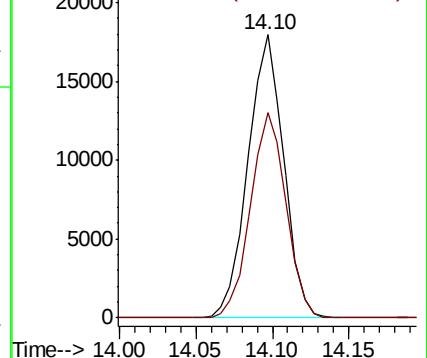
117 100

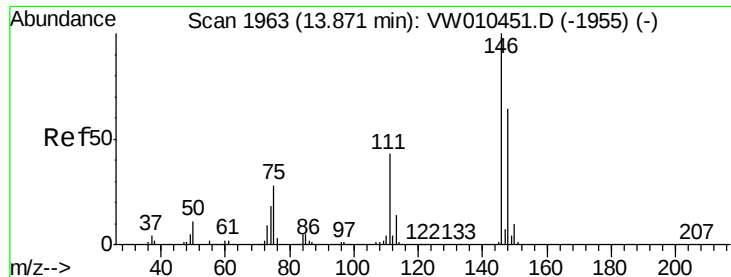
201 71.9 34.6 103.8



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 22.034 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW010568.D

Acq: 28 May 2019 15:38

Instrument :

MSVOA_W

ClientSampleId :

VW0528SBSD01

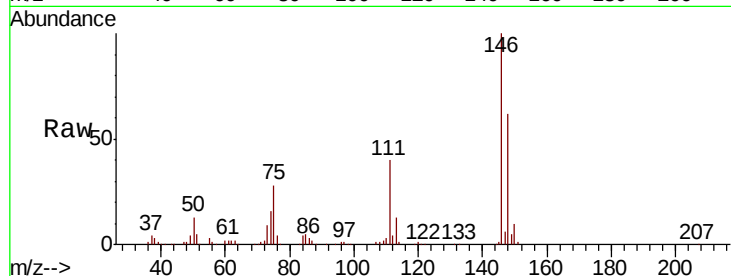
Tot Ion:146 Resp: 69232

Ion Ratio Lower Upper

146 100

111 41.7 21.3 64.0

148 62.7 32.0 96.0

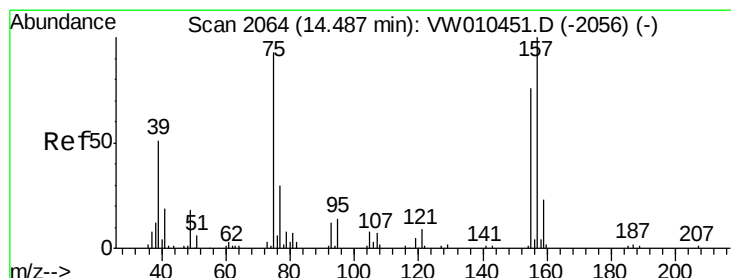
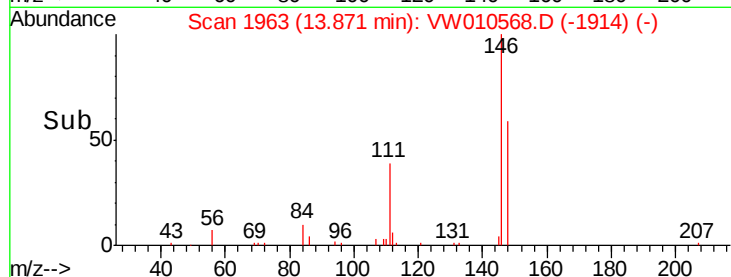
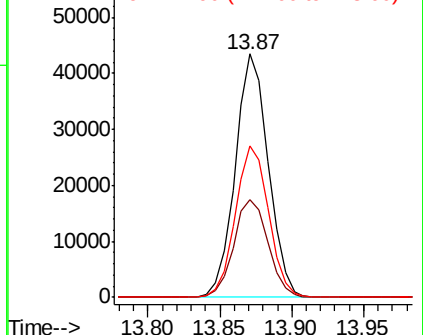


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.259 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW010568.D

Acq: 28 May 2019 15:38

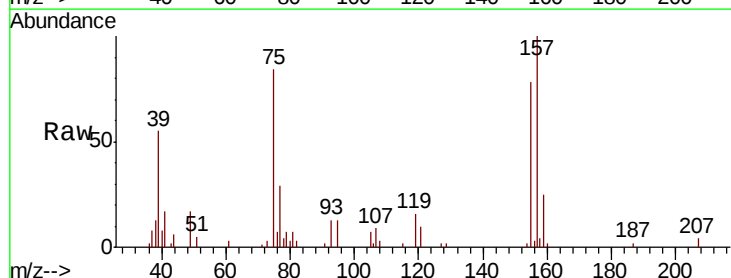
Tgt Ion: 75 Resp: 5116

Ion Ratio Lower Upper

75 100

155 92.4 43.0 129.0

157 119.2 55.7 167.1

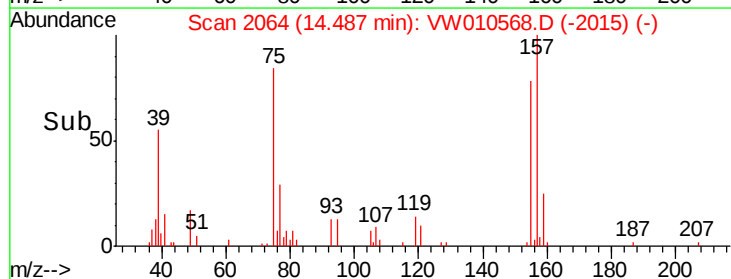
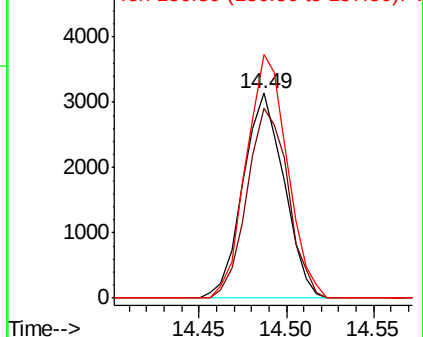


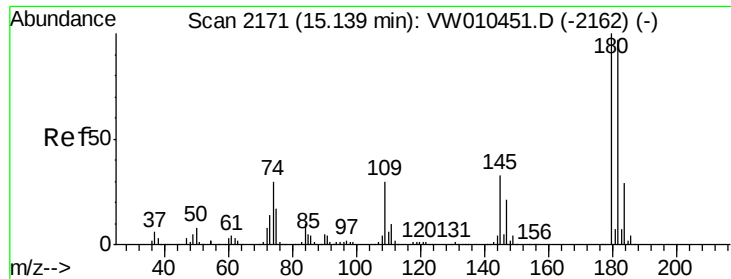
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

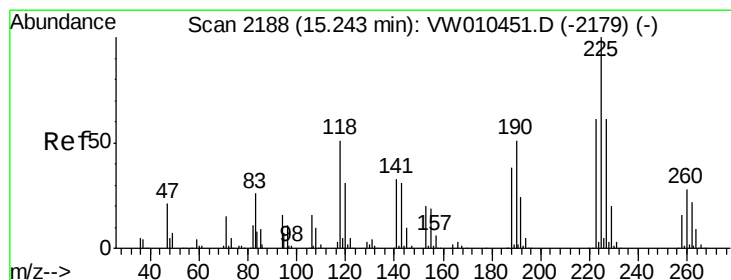
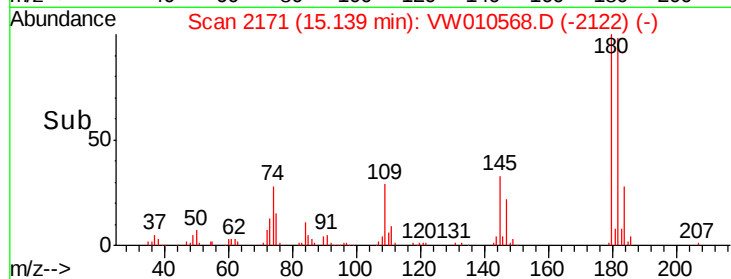
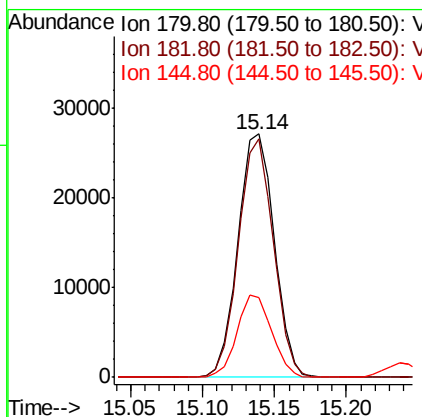
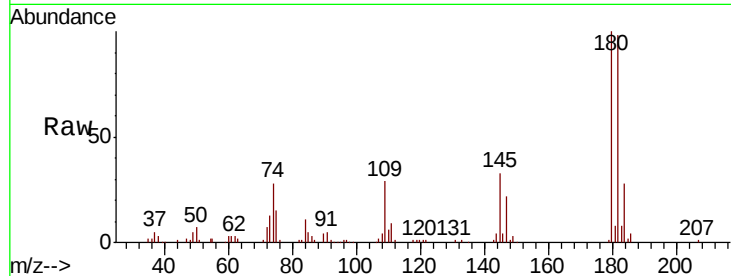




#93
 1,2,4-Trichlorobenzene
 Concen: 22.141 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010568.D
 Acq: 28 May 2019 15:38

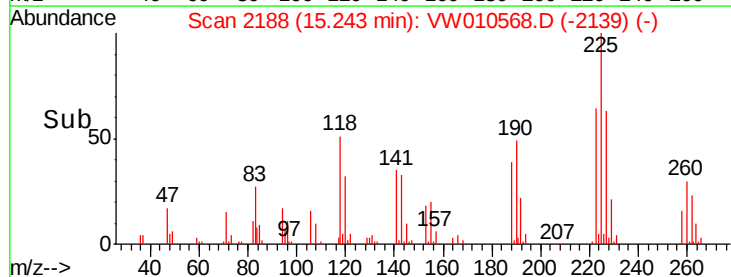
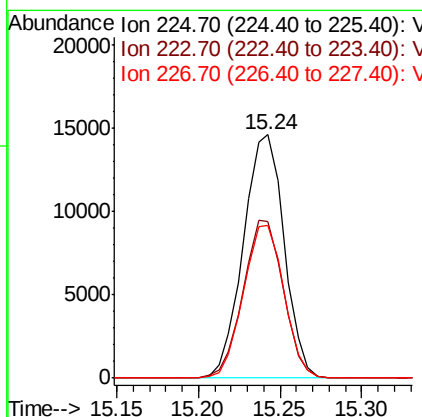
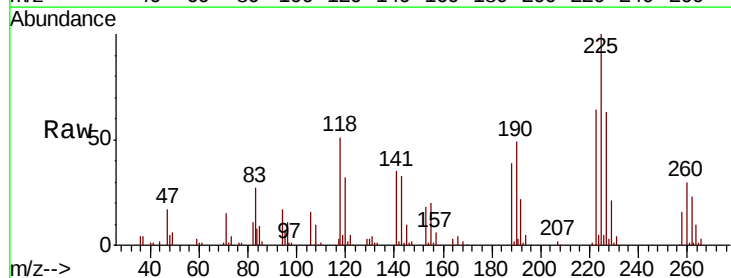
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0528SBSD01

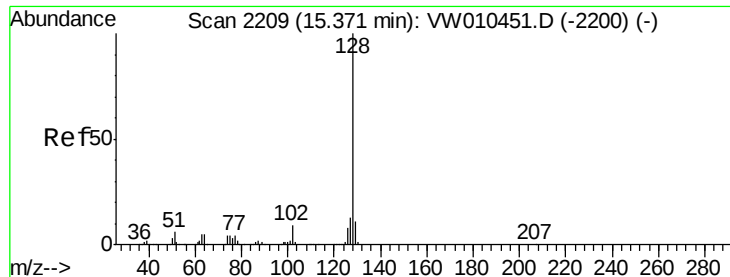
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.0	141.2
145	32.5	16.7	50.0



#94
 Hexachlorobutadiene
 Concen: 22.312 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW010568.D
 Acq: 28 May 2019 15:38

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.1	31.1	93.2
227	62.4	31.1	93.5

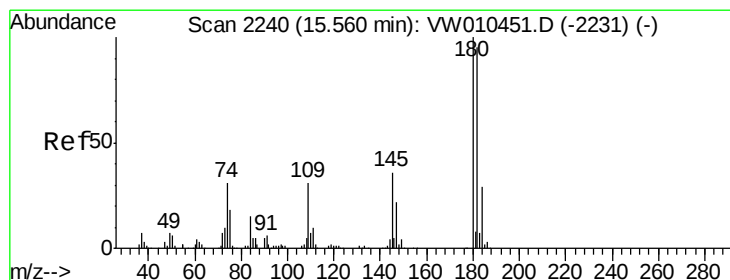
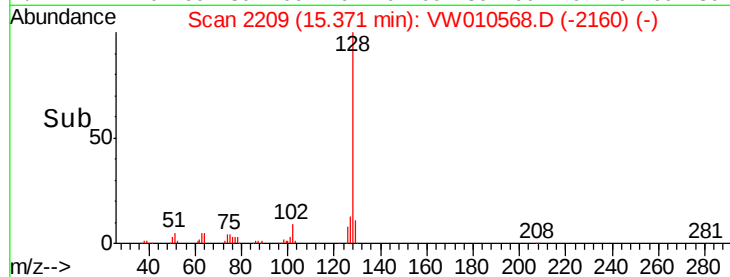
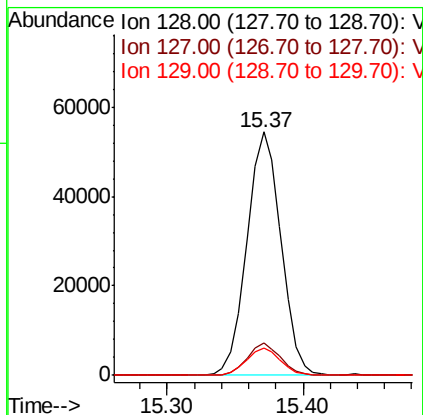
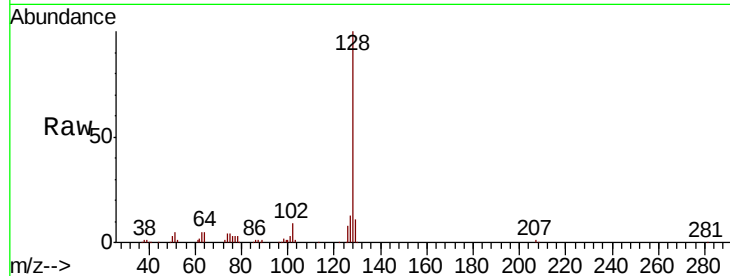




#95
Naphthalene
Concen: 21.293 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010568.D
Acq: 28 May 2019 15:38

Instrument :
MSVOA_W
ClientSampleId :
VW0528SBSD01

Tot Ion:128 Resp: 95554
Ion Ratio Lower Upper
128 100
127 12.8 10.6 15.8
129 11.0 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 22.806 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010568.D
Acq: 28 May 2019 15:38

Tgt Ion:180 Resp: 41952
Ion Ratio Lower Upper
180 100
182 94.5 47.1 141.3
145 34.5 17.4 52.3

