

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052819\
 Data File : VW010563.D
 Acq On : 28 May 2019 13:23
 Operator : SY/VA
 Sample : VW0528SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0528SBS01

Quant Time: May 29 06:59:48 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	152067	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	247052	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	223185	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	111125	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	74738	47.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.24%	
35) Dibromofluoromethane	7.88	113	79145	52.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.60%	
50) Toluene-d8	10.32	98	298230	52.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.16%	
62) 4-Bromofluorobenzene	12.62	95	116148	50.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	20672	15.063	ug/l	100
3) Chloromethane	2.21	50	23587	14.763	ug/l	97
4) Vinyl Chloride	2.35	62	27833	15.039	ug/l	99
5) Bromomethane	2.74	94	19701	15.474	ug/l	97
6) Chloroethane	2.90	64	19579	16.480	ug/l	99
7) Trichlorofluoromethane	3.24	101	51683	18.916	ug/l	94
8) Diethyl Ether	3.68	74	15808	18.252	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	32921	19.565	ug/l	96
10) Methyl Iodide	4.26	142	31096	16.168	ug/l	95
11) Tert butyl alcohol	5.16	59	23749	168.214	ug/l #	77
12) 1,1-Dichloroethene	4.03	96	30921	19.251	ug/l	90
13) Acrolein	3.89	56	8684	91.406	ug/l	98
14) Allyl chloride	4.67	41	42487	18.274	ug/l	100
15) Acrylonitrile	5.37	53	32491	89.574	ug/l	98
16) Acetone	4.12	43	30575	95.431	ug/l	100
17) Carbon Disulfide	4.37	76	79727	16.641	ug/l	100
18) Methyl Acetate	4.67	43	15452	19.720	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	78426	19.153	ug/l	97
20) Methylene Chloride	4.91	84	33207	14.014	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	33925	18.414	ug/l	99
22) Diisopropyl ether	6.31	45	87660	18.388	ug/l	98
23) Vinyl Acetate	6.26	43	260424	91.449	ug/l	100
24) 1,1-Dichloroethane	6.21	63	54347	19.103	ug/l	99
25) 2-Butanone	7.17	43	45903	100.114	ug/l	98
26) 2,2-Dichloropropane	7.16	77	55644	20.533	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	38809	19.375	ug/l	98
28) Bromochloromethane	7.51	49	20605	20.229	ug/l	95
29) Tetrahydrofuran	7.53	42	27676	89.203	ug/l	99
30) Chloroform	7.67	83	59757	19.473	ug/l	96
31) Cyclohexane	7.95	56	52968	17.774	ug/l #	90
32) 1,1,1-Trichloroethane	7.87	97	57044	19.449	ug/l	98
36) 1,1-Dichloropropene	8.08	75	46541	20.223	ug/l	100
37) Ethyl Acetate	7.26	43	19634	20.062	ug/l	99
38) Carbon Tetrachloride	8.07	117	51784	20.858	ug/l	99

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 Sample : VW0528SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0528SBSD01

Quant Time: May 29 06:59:48 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)
39) Methylcyclohexane	9.34	83	61440	19.926	ug/l	98
40) Benzene	8.32	78	130414	20.388	ug/l	99
41) Methacrylonitrile	7.48	41	10705	18.409	ug/l	98
42) 1,2-Dichloroethane	8.40	62	36996	20.236	ug/l	99
43) Isopropyl Acetate	8.43	43	38030	19.451	ug/l	99
44) Trichloroethene	9.09	130	40170	21.153	ug/l	98
45) 1,2-Dichloropropane	9.37	63	30859	20.313	ug/l	100
46) Dibromomethane	9.46	93	18251	20.542	ug/l	95
47) Bromodichloromethane	9.65	83	45455	20.359	ug/l	96
48) Methyl methacrylate	9.44	41	16972	18.974	ug/l	98
49) 1,4-Dioxane	9.44	88	5524	380.612	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	97201	98.111	ug/l	100
52) Toluene	10.39	92	89674	20.875	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	45325	20.045	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	53163	20.587	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	26517	20.755	ug/l	96
56) Ethyl methacrylate	10.65	69	34358	19.499	ug/l	98
57) 1,3-Dichloropropane	10.93	76	43879	20.503	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	81247	104.102	ug/l	97
59) 2-Hexanone	10.97	43	68514	96.944	ug/l	99
60) Dibromochloromethane	11.13	129	34337	21.236	ug/l	98
61) 1,2-Dibromoethane	11.24	107	26869	20.761	ug/l	98
64) Tetrachloroethene	10.86	164	33308	21.409	ug/l	96
65) Chlorobenzene	11.66	112	99167	20.848	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	36570	21.462	ug/l	99
67) Ethyl Benzene	11.73	91	170240	20.272	ug/l	97
68) m/p-Xylenes	11.84	106	136812	41.534	ug/l	97
69) o-Xylene	12.16	106	63812	20.447	ug/l	100
70) Styrene	12.18	104	109259	20.634	ug/l	99
71) Bromoform	12.35	173	19096	20.351	ug/l #	98
73) Isopropylbenzene	12.47	105	174297	19.766	ug/l	100
74) N-amyl acetate	12.27	43	35688	17.661	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	30035	18.726	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	39497	35.015	ug/l	26
77) Bromobenzene	12.75	156	42553	21.564	ug/l	93
78) n-propylbenzene	12.80	91	198979	19.363	ug/l	99
79) 2-Chlorotoluene	12.90	91	116906	19.617	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	146633	19.634	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	9786	18.106	ug/l	97
82) 4-Chlorotoluene	12.99	91	121416	19.628	ug/l	100
83) tert-Butylbenzene	13.21	119	129300	19.820	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	145049	19.500	ug/l	99
85) sec-Butylbenzene	13.38	105	178908	19.597	ug/l	100
86) p-Isopropyltoluene	13.50	119	163789	19.821	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	79730	20.594	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	80259	20.662	ug/l	99
89) n-Butylbenzene	13.83	91	150903	19.199	ug/l	99
90) Hexachloroethane	14.10	117	31293	19.565	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	72496	20.551	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	5196	17.422	ug/l	93

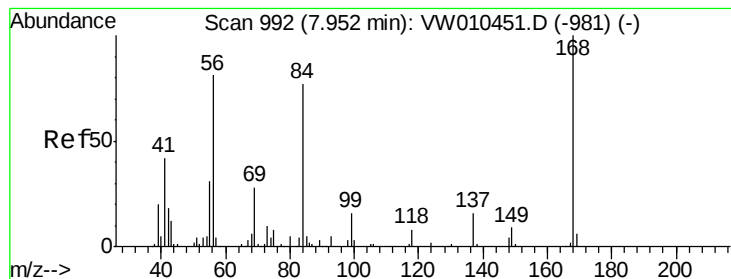
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW052819\
Data File : VW010563.D
Acq On : 28 May 2019 13:23
Operator : SY/VA
Sample : VW0528SBSD01
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MSVOA_W
ClientSampleId :
VW0528SBSD01

Quant Time: May 29 06:59:48 2019
Quant Method : Z:\V0ASRV\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)
93) 1,2,4-Trichlorobenzene	15.14	180	49964	20.817	ug/l	99
94) Hexachlorobutadiene	15.24	225	27920	21.775	ug/l	99
95) Naphthalene	15.37	128	95712	18.997	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	43096	20.867	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010563.D

Acq: 28 May 2019 13:23

Instrument :

MSVOA_W

ClientSampleId :

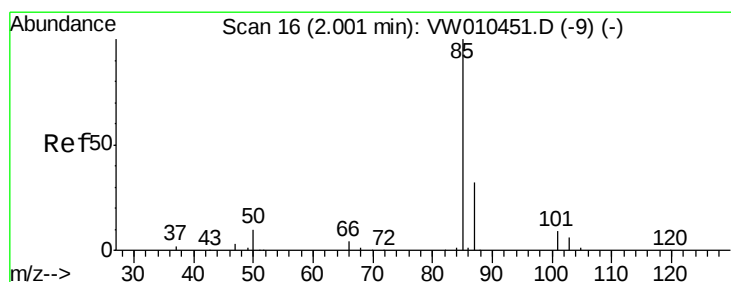
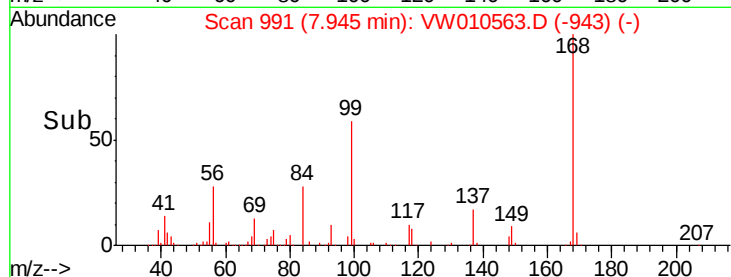
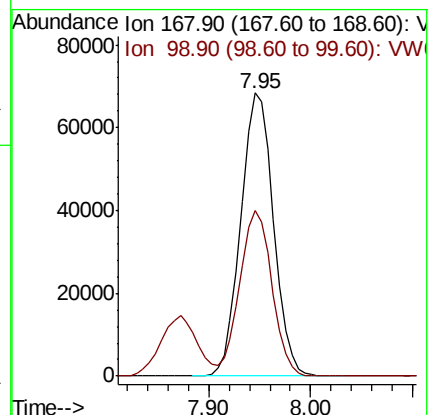
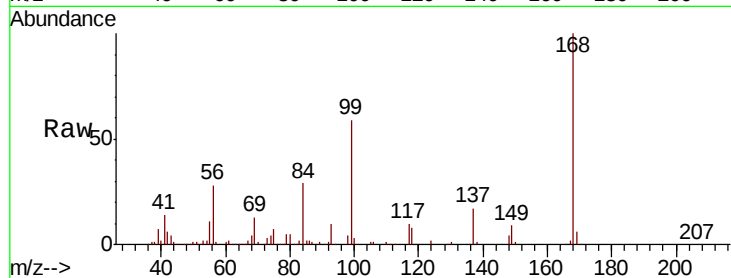
VW0528SBSD01

Tot Ion:168 Resp: 152067

Ion Ratio Lower Upper

168 100

99 58.7 46.1 69.1



#2

Dichlorodifluoromethane

Concen: 15.063 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.01 min

Lab File: VW010563.D

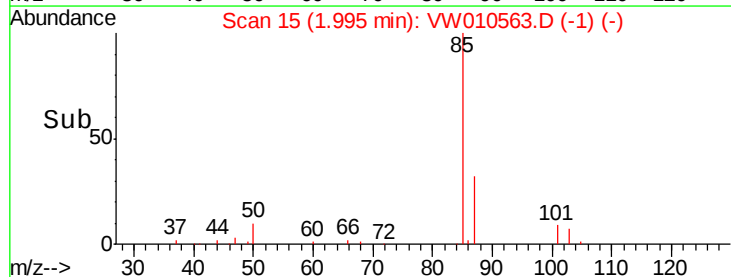
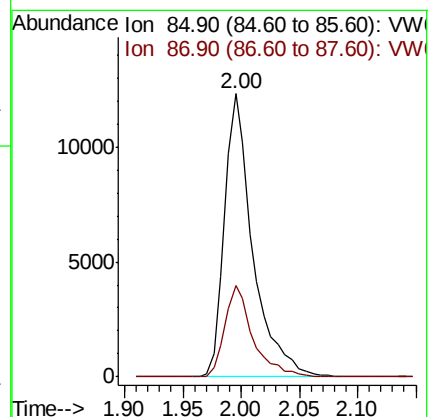
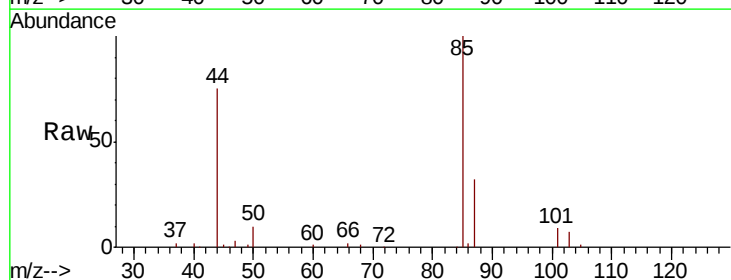
Acq: 28 May 2019 13:23

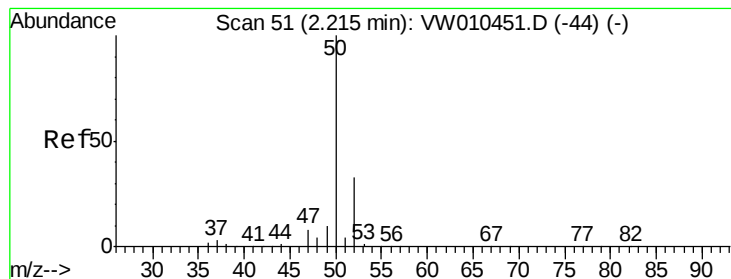
Tgt Ion: 85 Resp: 20672

Ion Ratio Lower Upper

85 100

87 32.2 16.3 48.8





#3

Chloromethane

Concen: 14.763 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW010563.D

Acq: 28 May 2019 13:23

Instrument :

MSVOA_W

ClientSampleId :

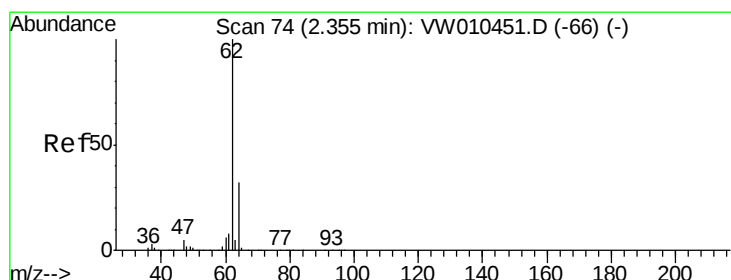
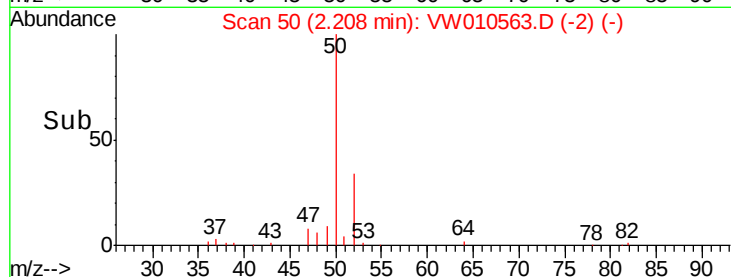
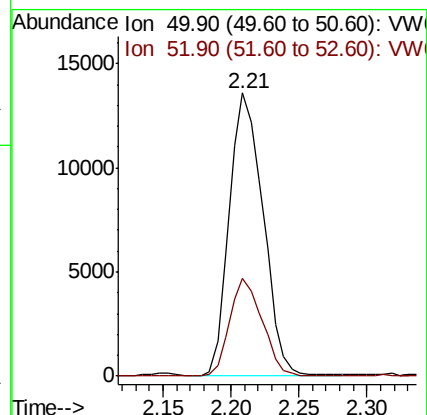
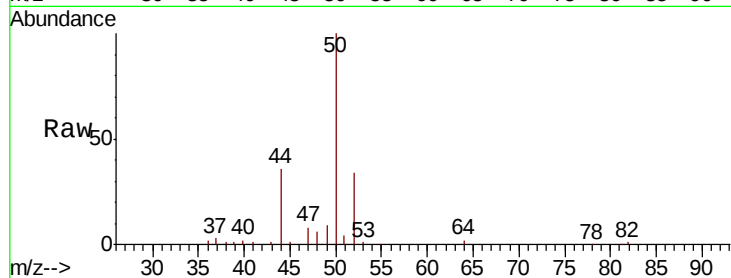
VW0528SBSD01

Tot Ion: 50 Resp: 23587

Ion Ratio Lower Upper

50 100

52 34.4 26.3 39.5



#4

Vinyl Chloride

Concen: 15.039 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW010563.D

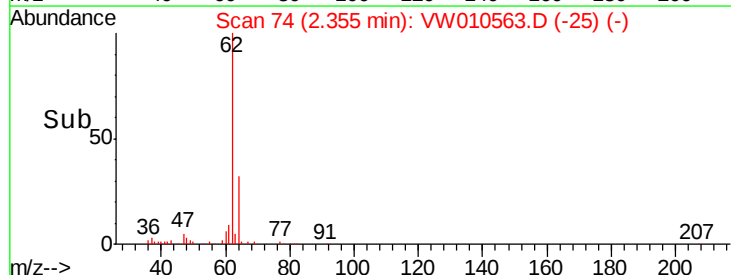
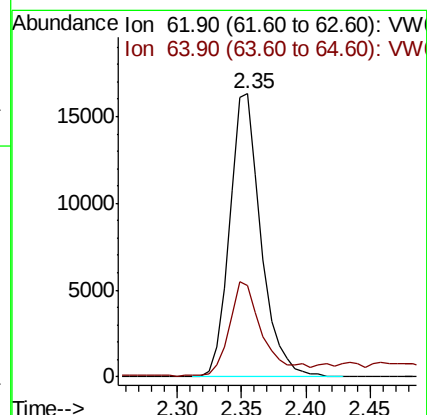
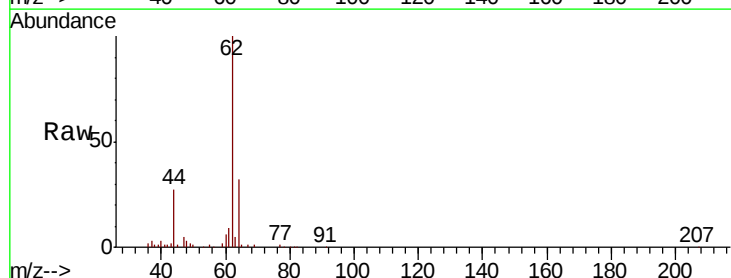
Acq: 28 May 2019 13:23

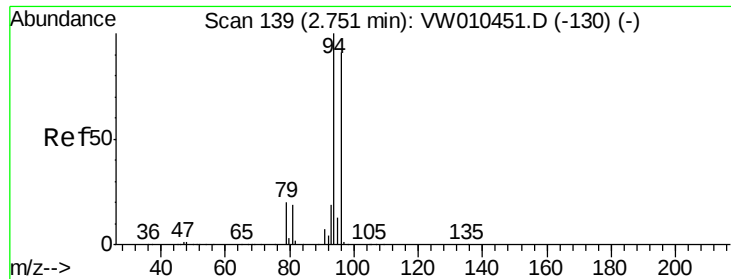
Tgt Ion: 62 Resp: 27833

Ion Ratio Lower Upper

62 100

64 31.6 25.8 38.8





#5

Bromomethane

Concen: 15.474 ug/l

RT: 2.74 min Scan# 137

Delta R.T. -0.01 min

Lab File: VW010563.D

Acq: 28 May 2019 13:23

Instrument :

MSVOA_W

ClientSampleId :

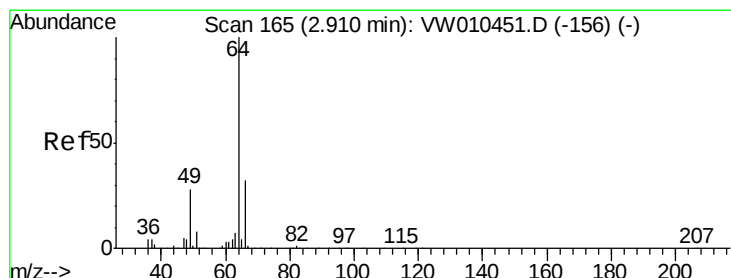
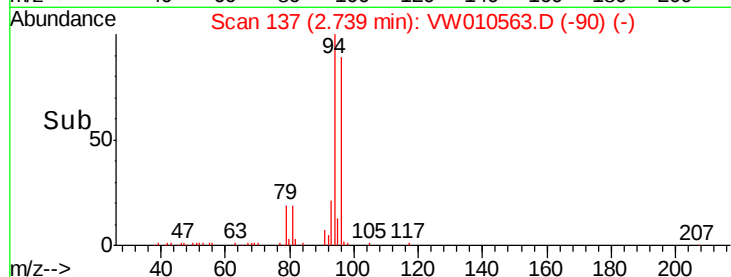
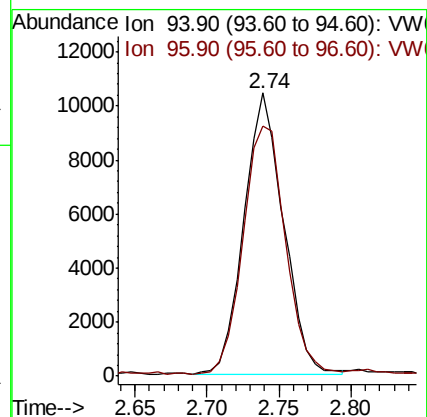
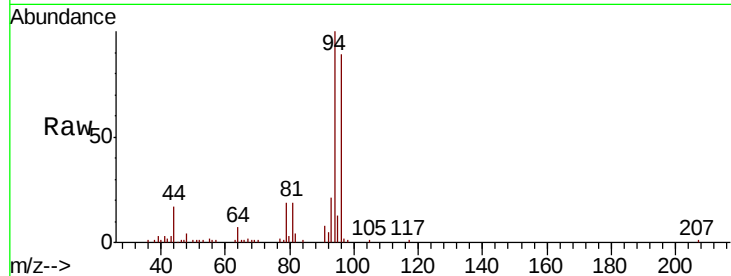
VW0528SBSD01

Tot Ion: 94 Resp: 19701

Ion Ratio Lower Upper

94 100

96 88.4 72.9 109.3



#6

Chloroethane

Concen: 16.480 ug/l

RT: 2.90 min Scan# 163

Delta R.T. -0.01 min

Lab File: VW010563.D

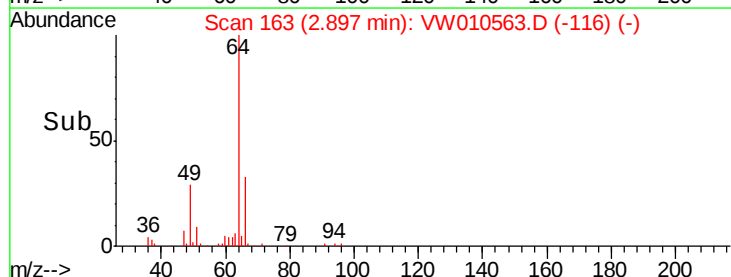
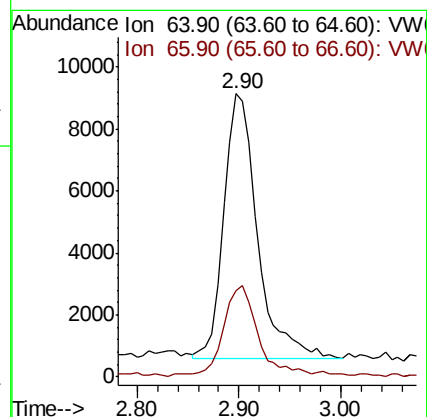
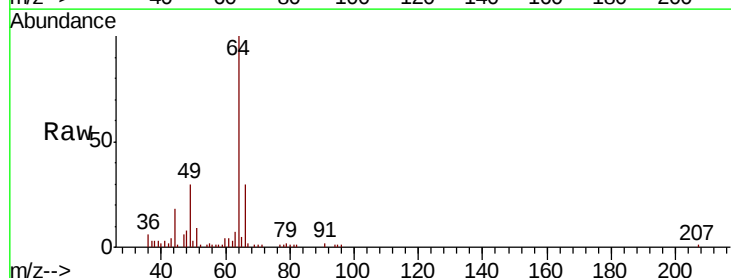
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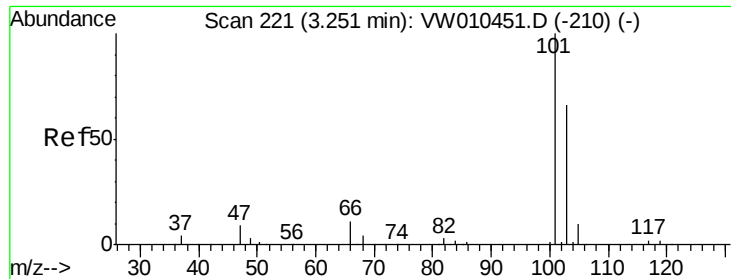
Tgt Ion: 64 Resp: 19579

Ion Ratio Lower Upper

64 100

66 31.3 25.5 38.3



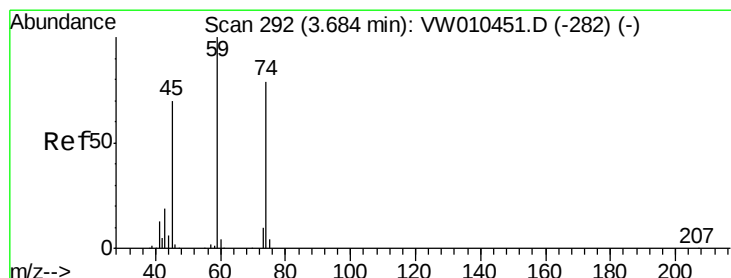
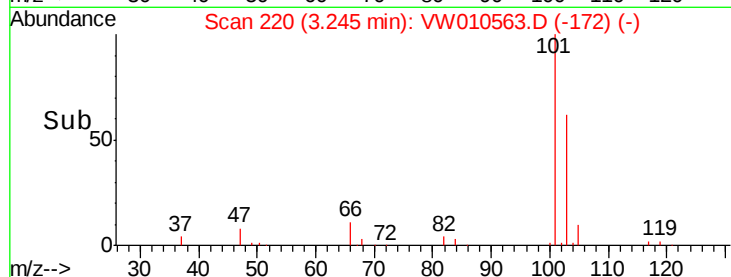
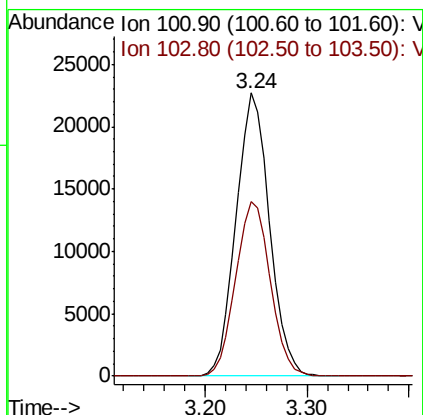
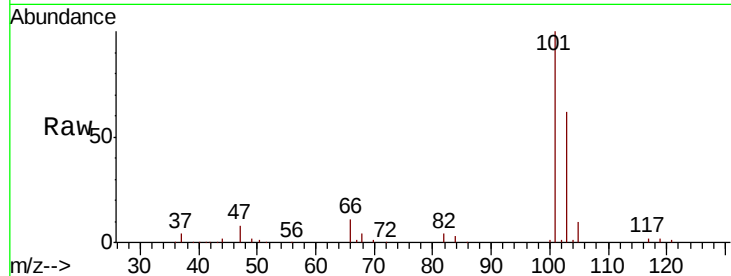


#7

Trichlorofluoromethane
 Concen: 18.916 ug/l
 RT: 3.24 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW010563.D
 Acq: 28 May 2019 13:23

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0528SBSD01

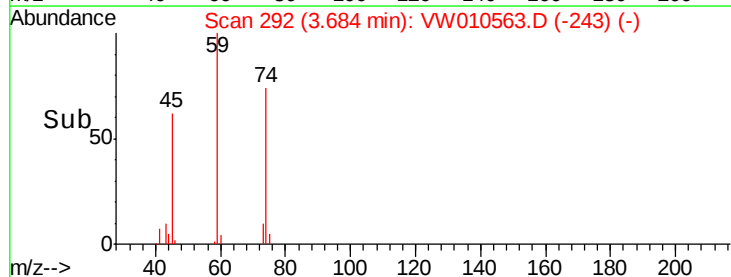
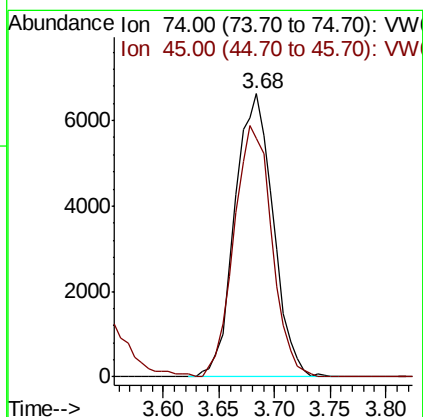
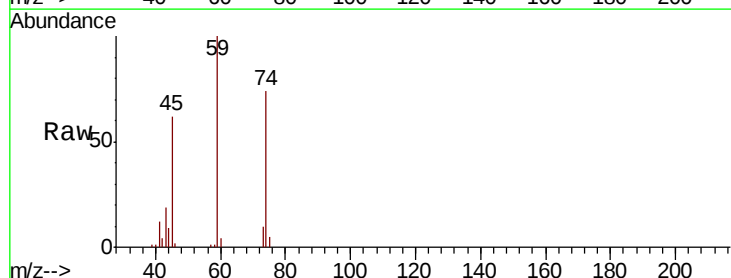
Tot Ion:101 Resp: 51683
 Ion Ratio Lower Upper
 101 100
 103 61.7 53.0 79.4

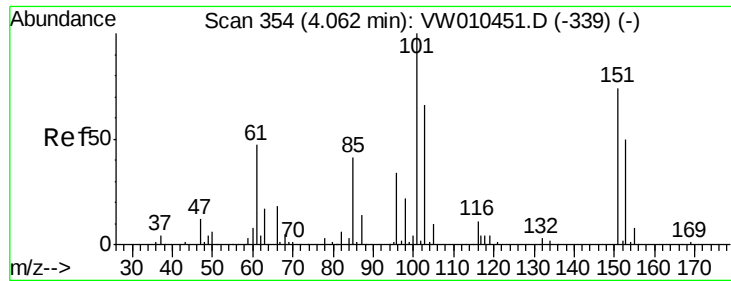


#8

Diethyl Ether
 Concen: 18.252 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. -0.00 min
 Lab File: VW010563.D
 Acq: 28 May 2019 13:23

Tgt Ion: 74 Resp: 15808
 Ion Ratio Lower Upper
 74 100
 45 87.8 42.9 128.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.565 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW010563.D

Acq: 28 May 2019 13:23

Instrument :

MSVOA_W

ClientSampleId :

VW0528SBSD01

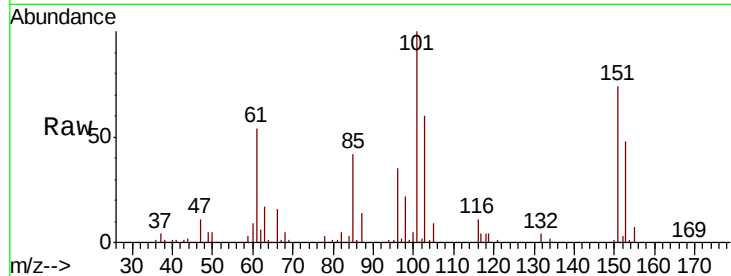
Tot Ion:101 Resp: 32921

Ion Ratio Lower Upper

101 100

85 42.0 34.3 51.5

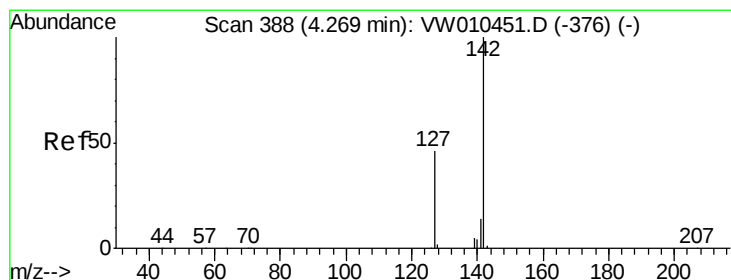
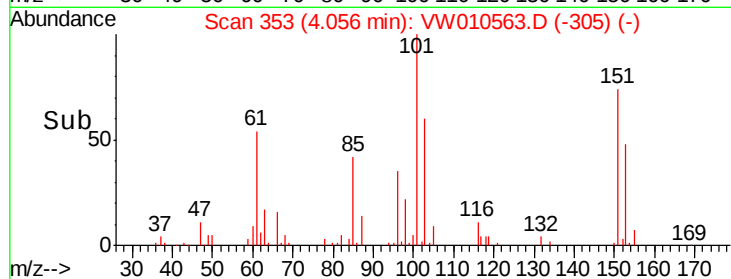
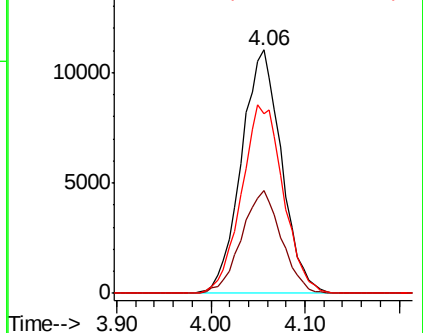
151 80.6 60.3 90.5



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: 16.168 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW010563.D

Acq: 28 May 2019 13:23

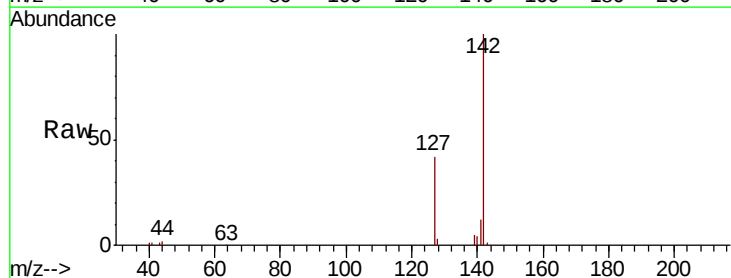
Tgt Ion:142 Resp: 31096

Ion Ratio Lower Upper

142 100

127 41.3 36.1 54.1

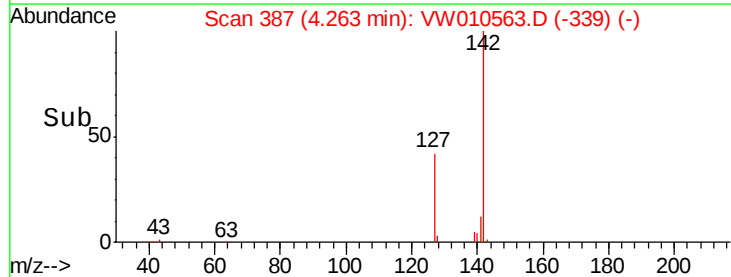
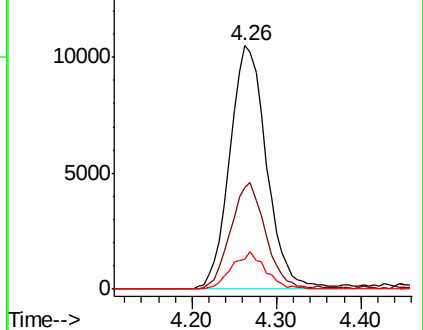
141 13.9 11.3 16.9

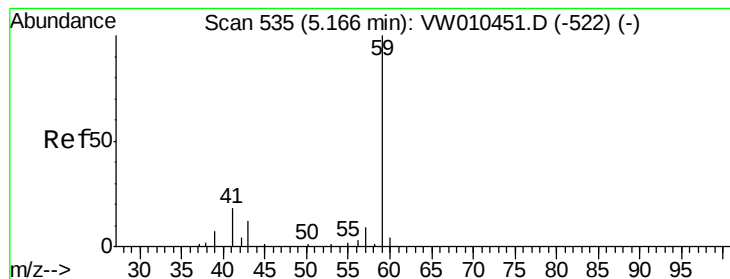


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



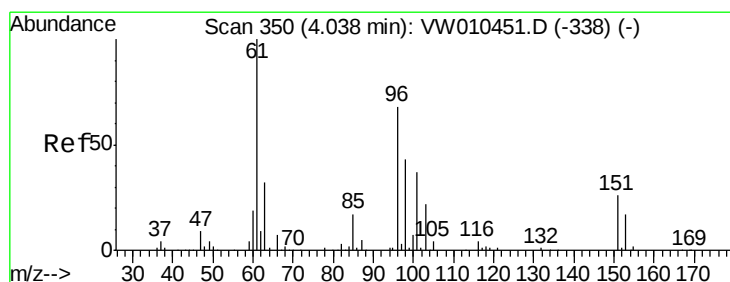
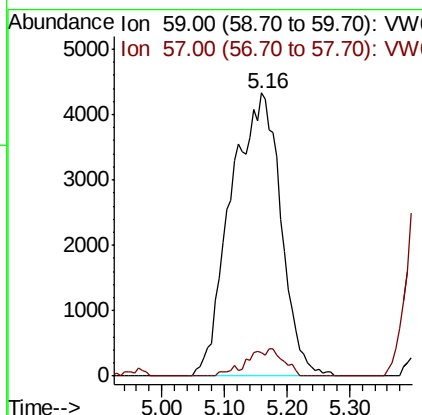
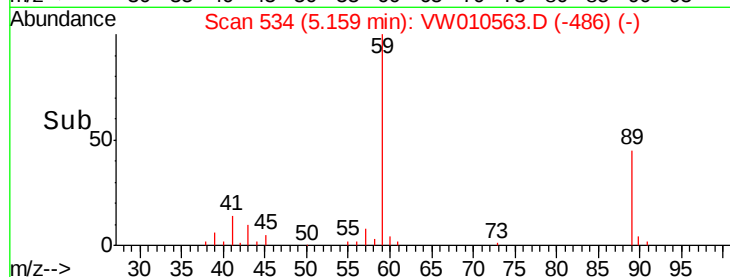
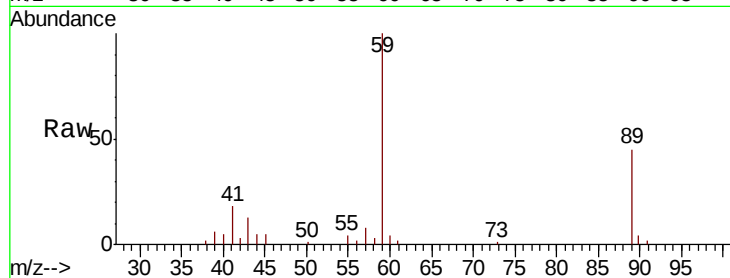


#11

Tert butyl alcohol
 Concen: 168.214 ug/l
 RT: 5.16 min Scan# 534
 Delta R.T. -0.01 min
 Lab File: VW010563.D
 Acq: 28 May 2019 13:23

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0528SBSD01

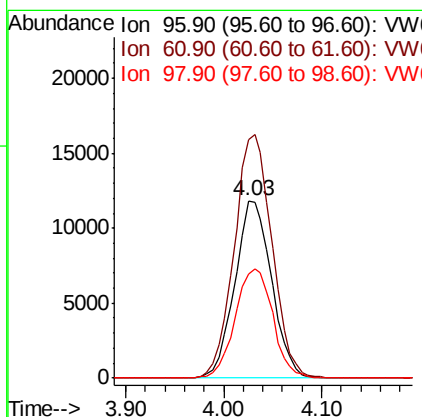
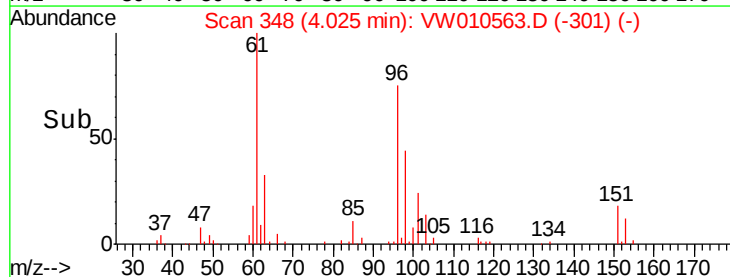
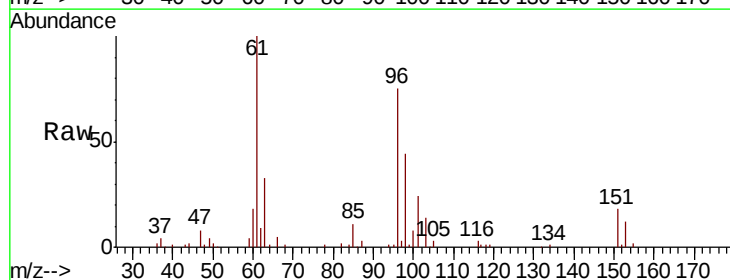
Tot Ion: 59 Resp: 23749
 Ion Ratio Lower Upper
 59 100
 57 2.2 8.8 13.2#

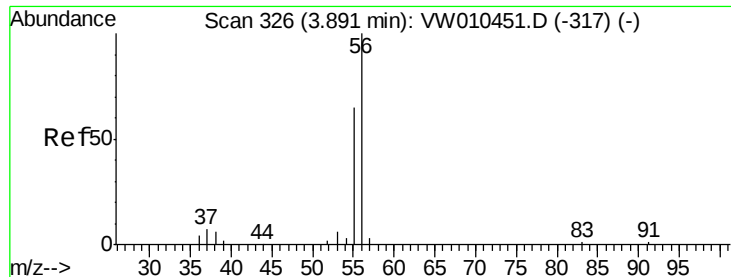


#12

1,1-Dichloroethene
 Concen: 19.251 ug/l
 RT: 4.03 min Scan# 348
 Delta R.T. -0.01 min
 Lab File: VW010563.D
 Acq: 28 May 2019 13:23

Tgt Ion: 96 Resp: 30921
 Ion Ratio Lower Upper
 96 100
 61 134.0 118.3 177.5
 98 58.5 51.0 76.6





#13

Acrolein

Concen: 91.406 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW010563.D

Acq: 28 May 2019 13:23

Instrument :

MSVOA_W

ClientSampleId :

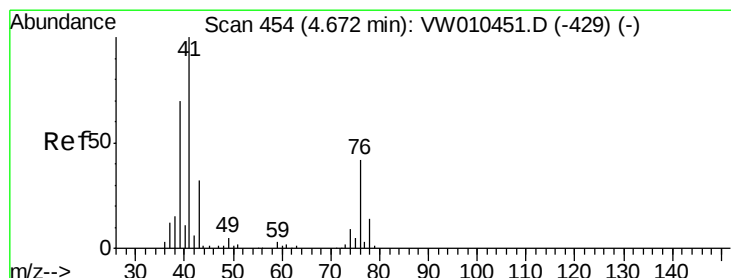
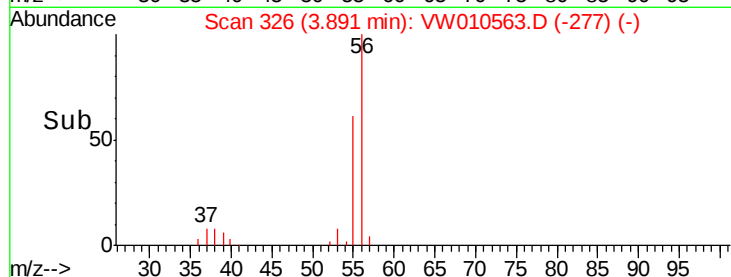
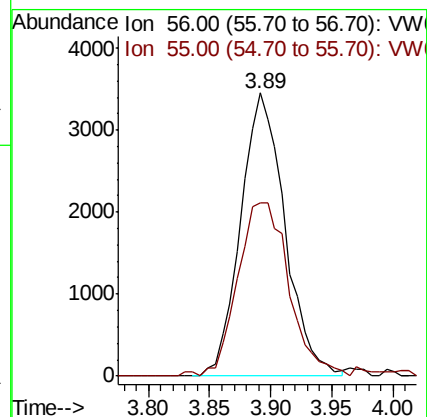
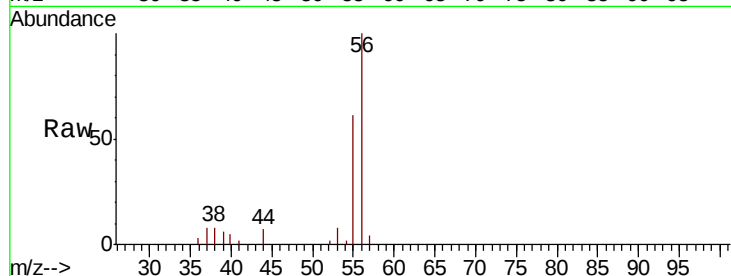
VW0528SBSD01

Tot Ion: 56 Resp: 8684

Ion Ratio Lower Upper

56 100

55 70.9 57.9 86.9



#14

Allyl chloride

Concen: 18.274 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW010563.D

Acq: 28 May 2019 13:23

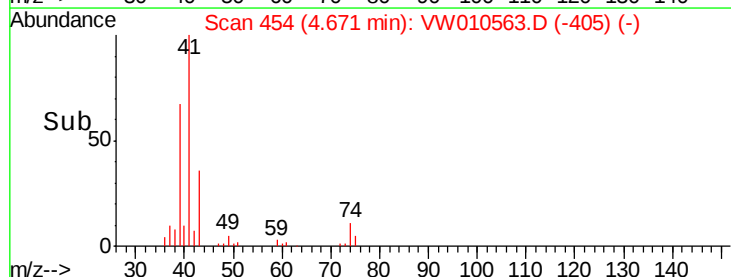
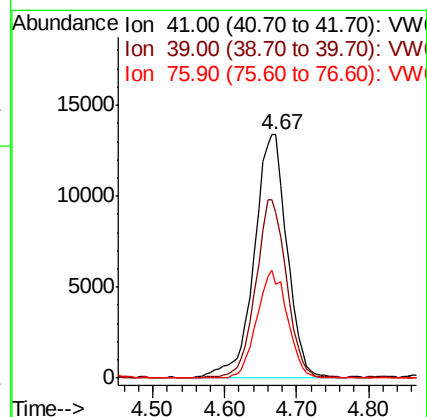
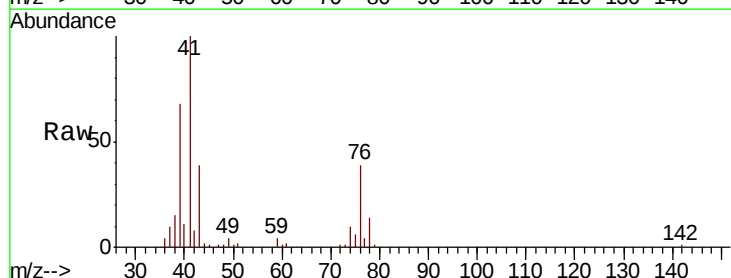
Tgt Ion: 41 Resp: 42487

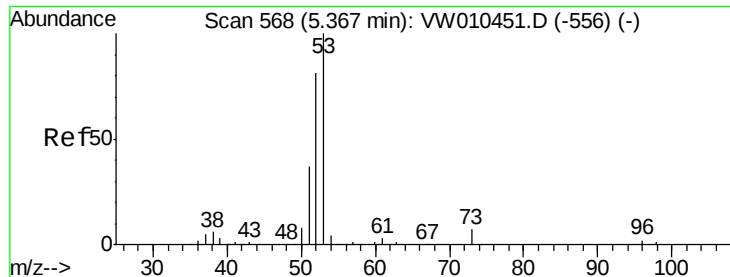
Ion Ratio Lower Upper

41 100

39 69.2 55.0 82.4

76 41.1 32.8 49.2





#15

Acrylonitrile

Concen: 89.574 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW010563.D

Acq: 28 May 2019 13:23

Instrument :

MSVOA_W

ClientSampleId :

VW0528SBSD01

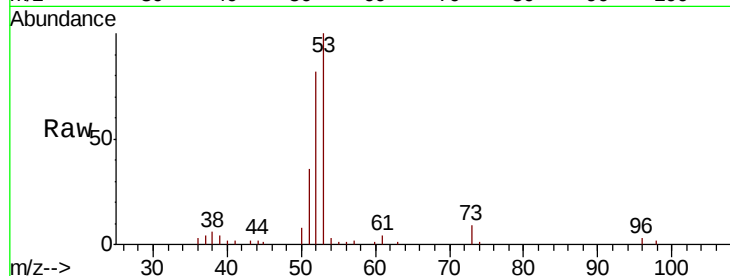
Tot Ion: 53 Resp: 32491

Ion Ratio Lower Upper

53 100

52 80.4 65.6 98.4

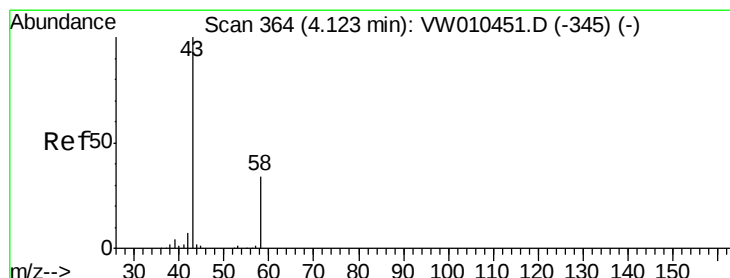
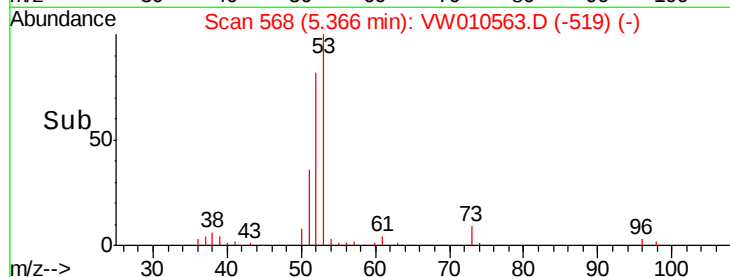
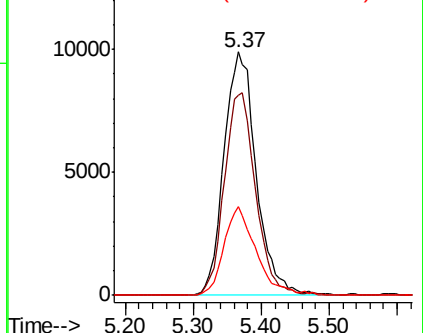
51 36.2 29.5 44.3



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: 95.431 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW010563.D

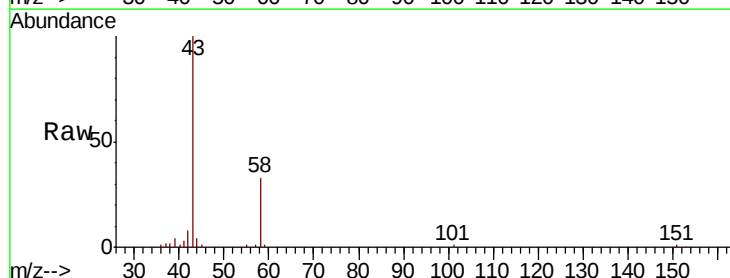
Acq: 28 May 2019 13:23

Tgt Ion: 43 Resp: 30575

Ion Ratio Lower Upper

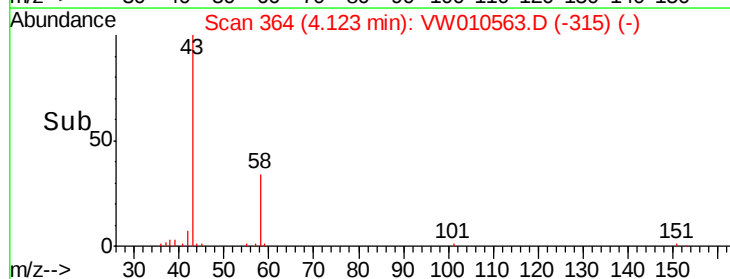
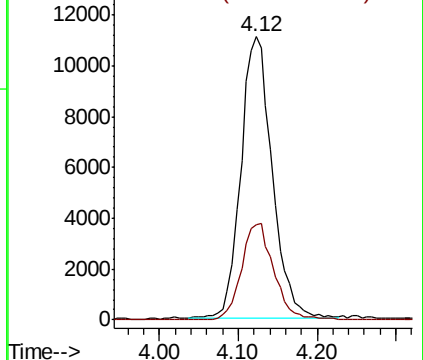
43 100

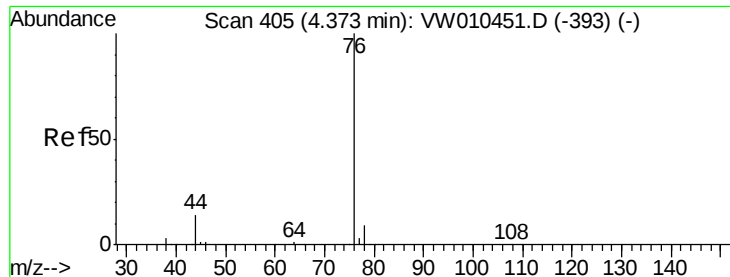
58 33.6 27.0 40.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

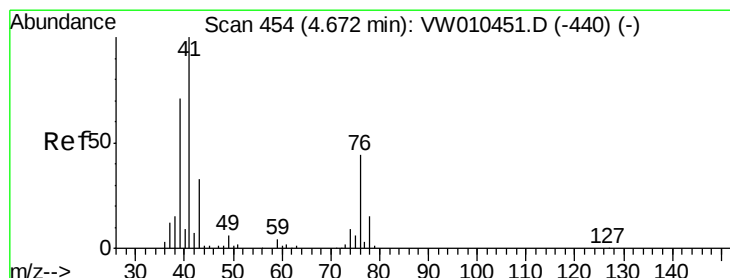
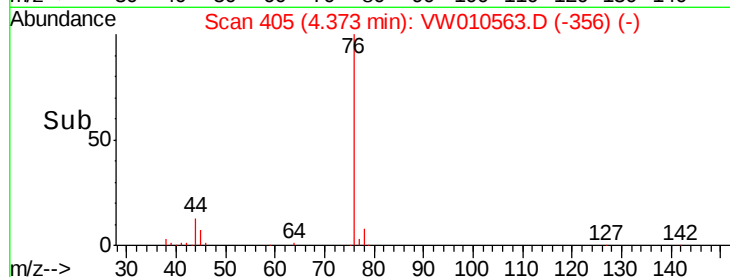
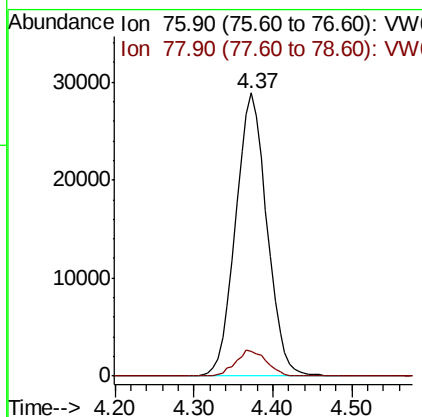
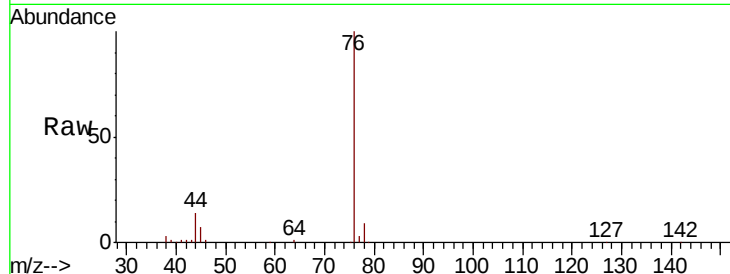




#17
Carbon Disulfide
Concen: 16.641 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW010563.D
Acq: 28 May 2019 13:23

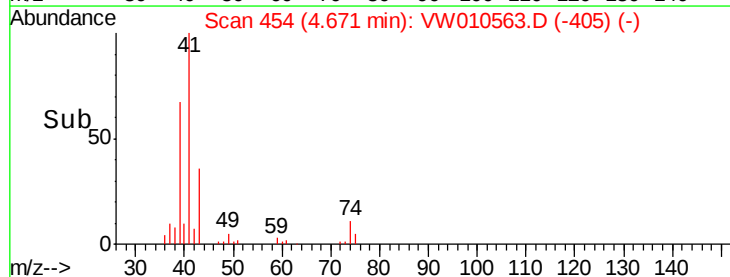
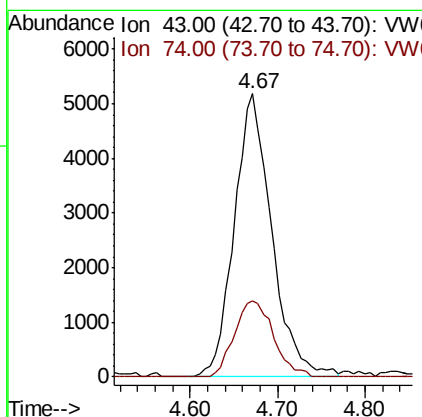
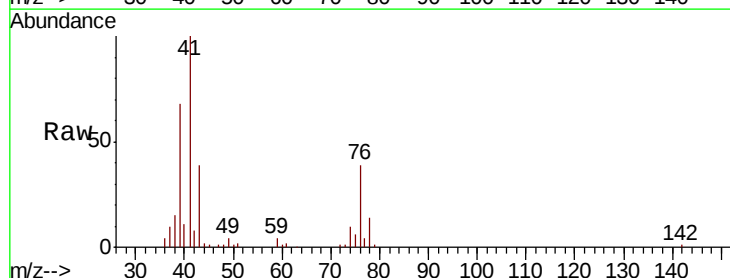
Instrument :
MSVOA_W
ClientSampleId :
VW0528SBSD01

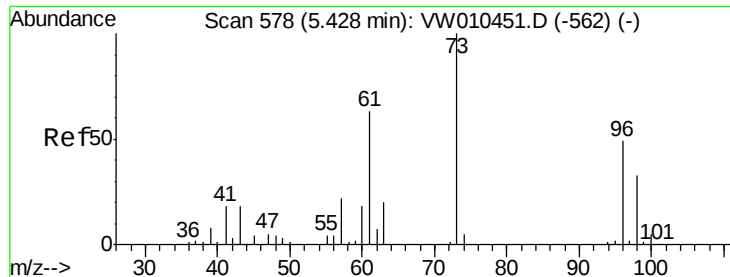
Tot Ion: 76 Resp: 79727
Ion Ratio Lower Upper
76 100
78 8.8 7.1 10.7



#18
Methyl Acetate
Concen: 19.720 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW010563.D
Acq: 28 May 2019 13:23

Tgt Ion: 43 Resp: 15452
Ion Ratio Lower Upper
43 100
74 27.9 21.6 32.4

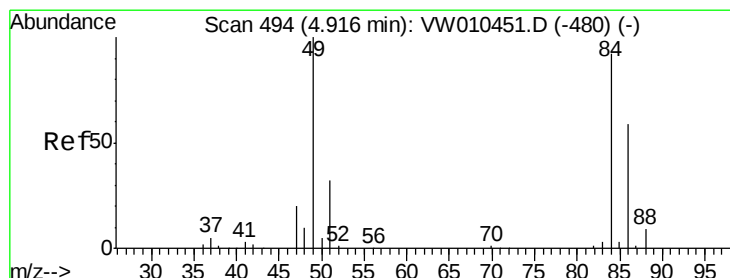
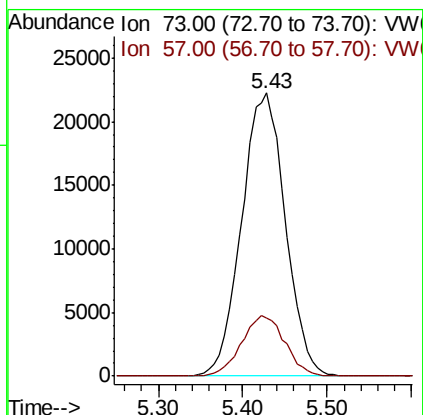
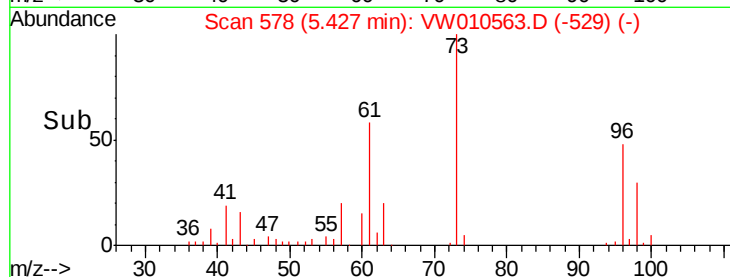
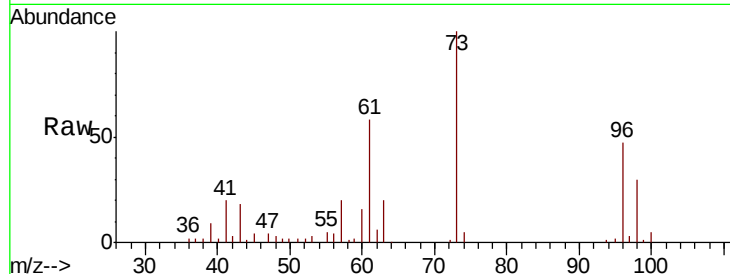




#19
Methvl tert-butvl Ether
Concen: 19.153 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW010563.D
Acq: 28 May 2019 13:23

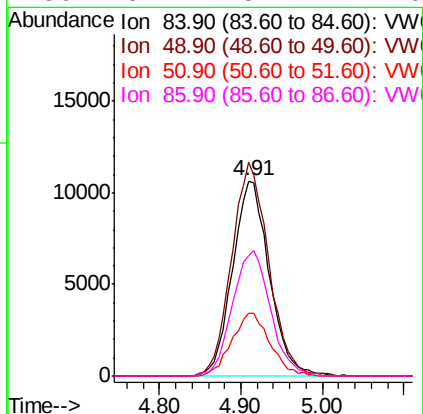
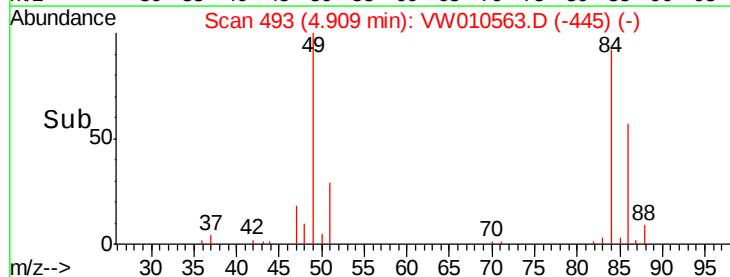
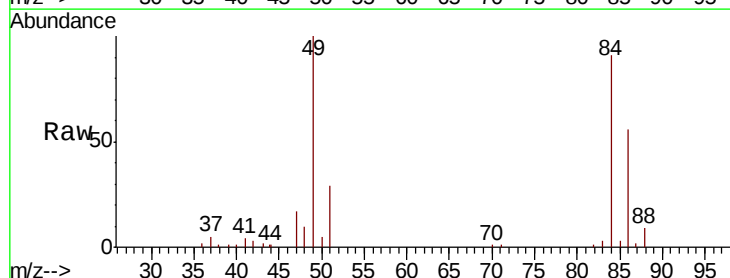
Instrument :
MSVOA_W
ClientSampleId :
VW0528SBSD01

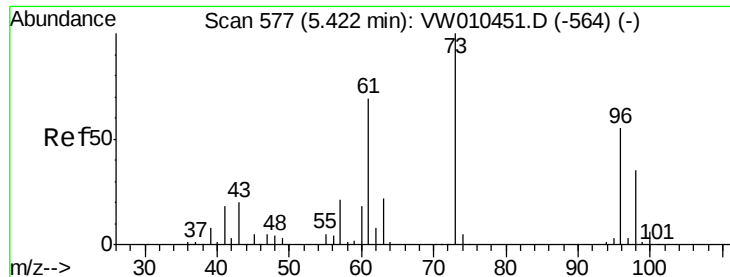
Tot Ion: 73 Resp: 78426
Ion Ratio Lower Upper
73 100
57 20.5 17.4 26.0



#20
Methylene Chloride
Concen: 14.014 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW010563.D
Acq: 28 May 2019 13:23

Tgt Ion: 84 Resp: 33207
Ion Ratio Lower Upper
84 100
49 109.7 87.2 130.8
51 32.1 27.7 41.5
86 61.7 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 18.414 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW010563.D

Acq: 28 May 2019 13:23

Instrument :

MSVOA_W

ClientSampleId :

VW0528SBSD01

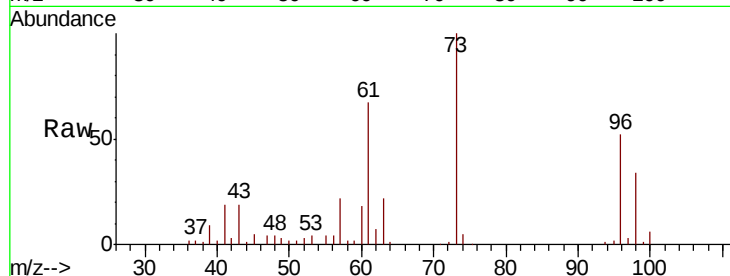
Tot Ion: 96 Resp: 33925

Ion Ratio Lower Upper

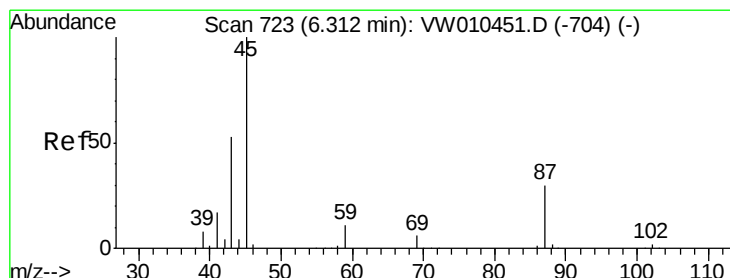
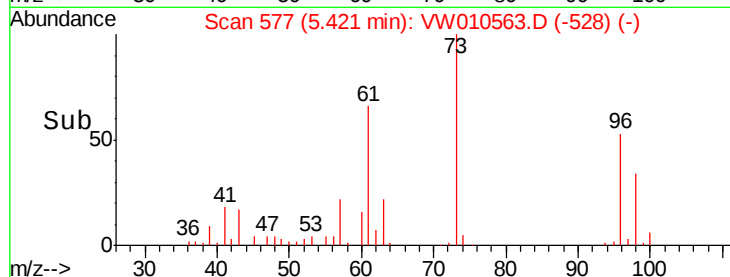
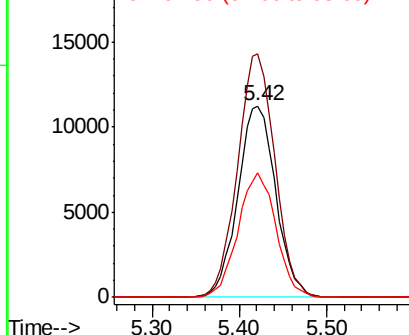
96 100

61 127.2 101.4 152.0

98 65.0 50.6 76.0



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



#22

Diisopropyl ether

Concen: 18.388 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW010563.D

Acq: 28 May 2019 13:23

Tgt Ion: 45 Resp: 87660

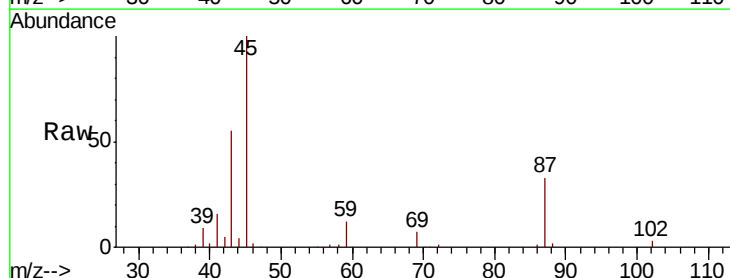
Ion Ratio Lower Upper

45 100

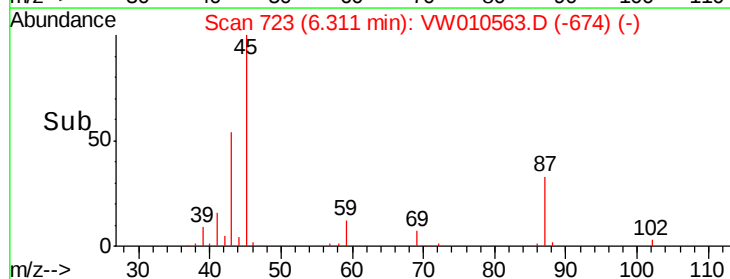
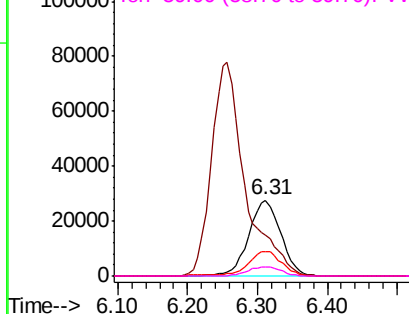
43 53.8 42.9 64.3

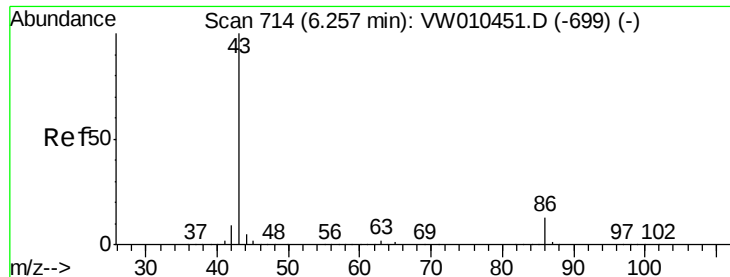
87 32.8 24.6 36.8

59 12.3 9.4 14.0



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





#23

Vinyl Acetate

Concen: 91.449 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW010563.D

Acq: 28 May 2019 13:23

Instrument :

MSVOA_W

ClientSampleID :

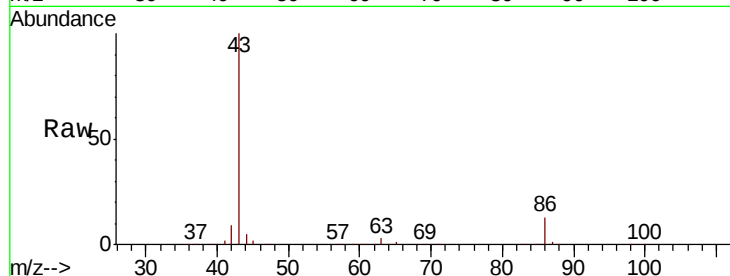
VW0528SBSD01

Tot Ion: 43 Resp: 260424

Ion Ratio Lower Upper

43 100

86 12.7 10.3 15.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

80000

60000

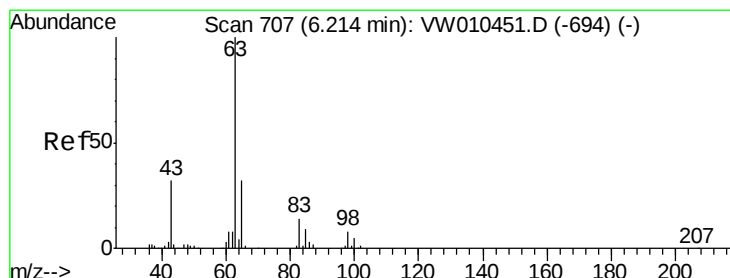
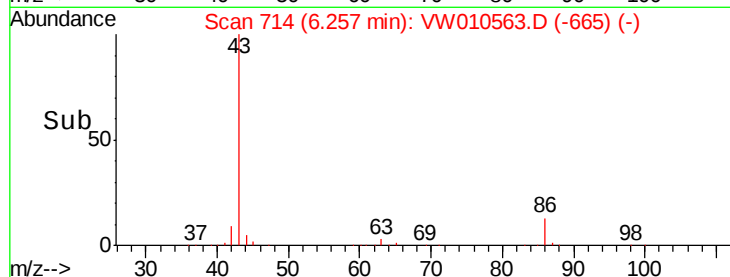
40000

20000

0

6.10 6.20 6.30 6.40

Time-->



#24

1,1-Dichloroethane

Concen: 19.103 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW010563.D

Acq: 28 May 2019 13:23

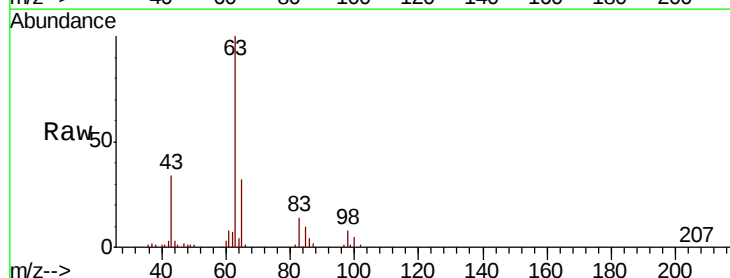
Tgt Ion: 63 Resp: 54347

Ion Ratio Lower Upper

63 100

98 7.8 3.8 11.2

100 4.6 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

25000

20000

15000

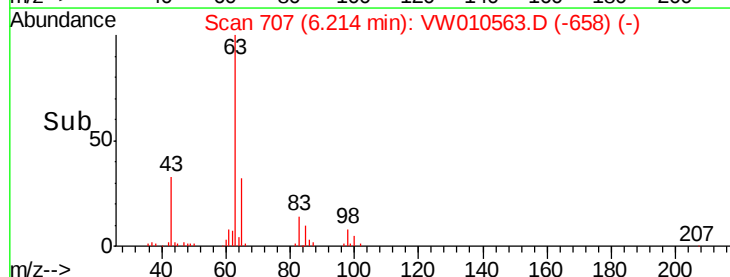
10000

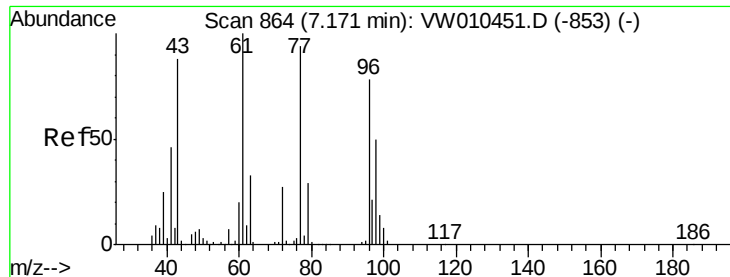
5000

0

6.10 6.20 6.30

Time-->





#25

2-Butanone

Concen: 100.114 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010563.D

Acq: 28 May 2019 13:23

Instrument :

MSVOA_W

ClientSampleId :

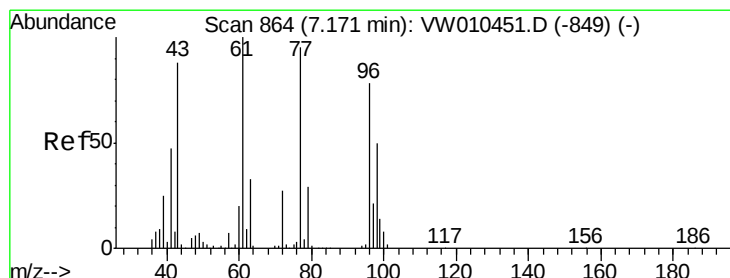
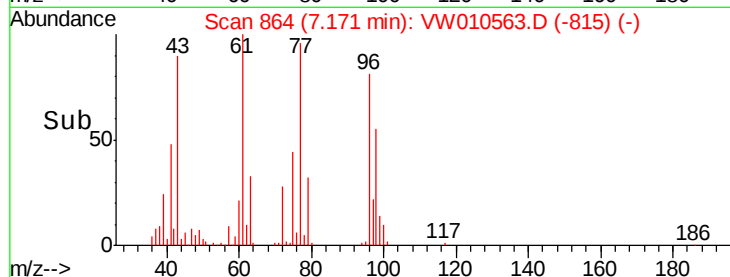
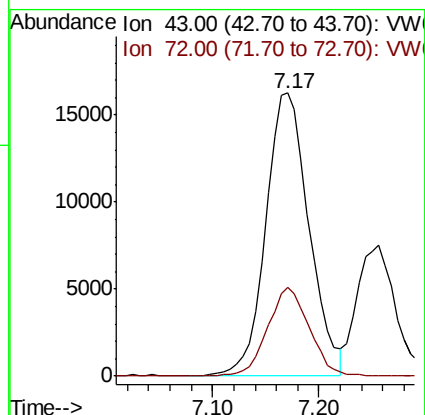
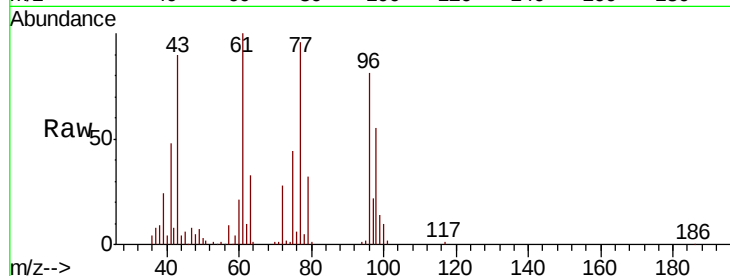
VW0528SBS01

Tot Ion: 43 Resp: 45903

Ion Ratio Lower Upper

43 100

72 31.3 24.1 36.1



#26

2,2-Dichloropropane

Concen: 20.533 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW010563.D

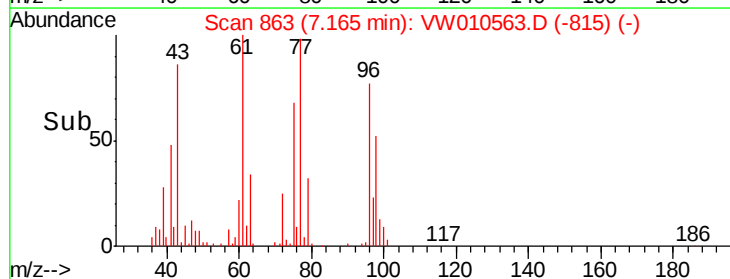
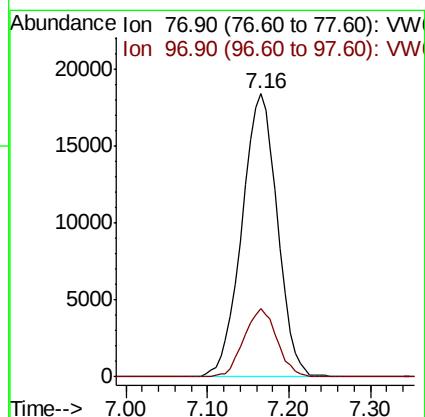
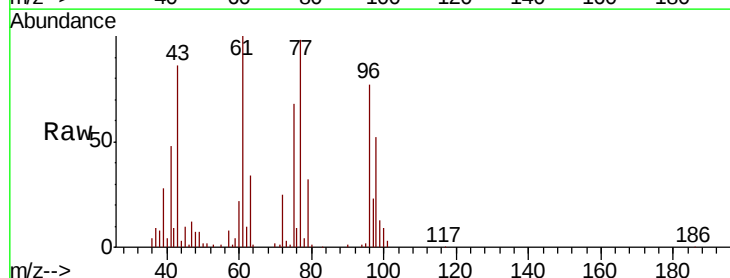
Acq: 28 May 2019 13:23

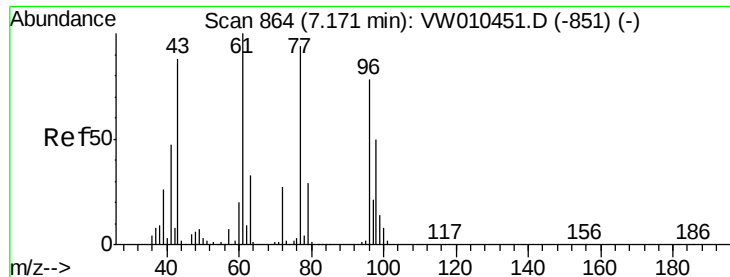
Tgt Ion: 77 Resp: 55644

Ion Ratio Lower Upper

77 100

97 22.4 11.7 35.0



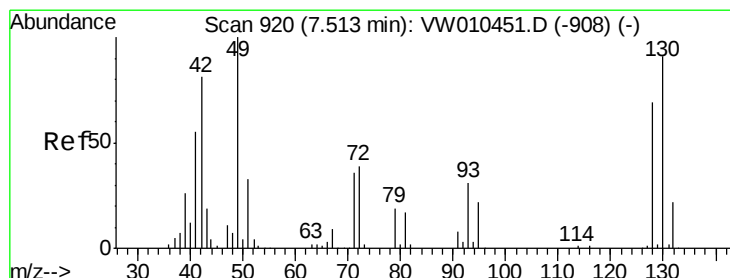
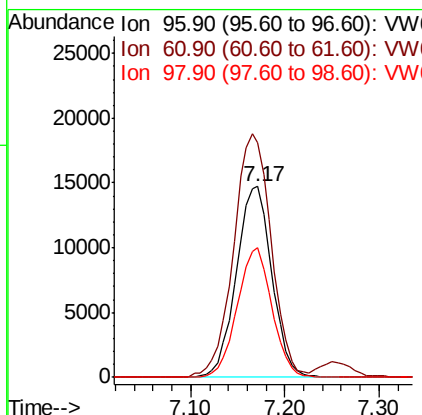
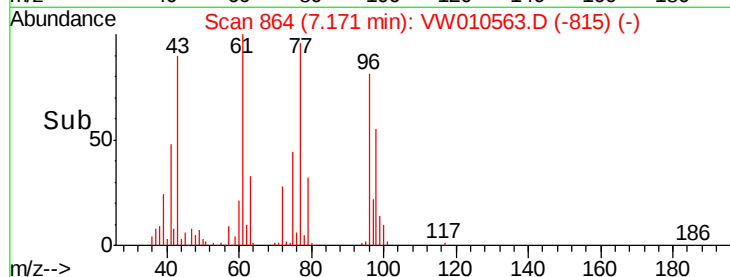
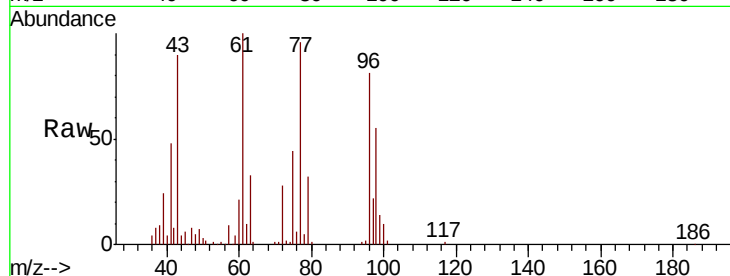


#27

cis-1,2-Dichloroethene
 Concen: 19.375 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW010563.D
 Acq: 28 May 2019 13:23

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0528SBSD01

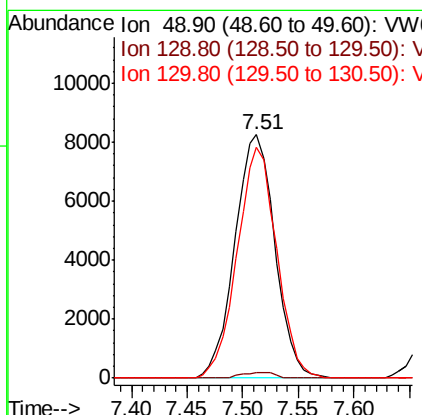
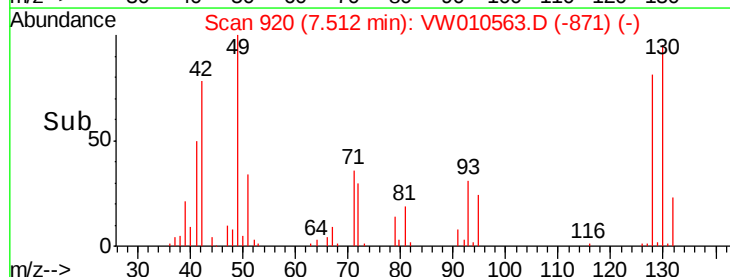
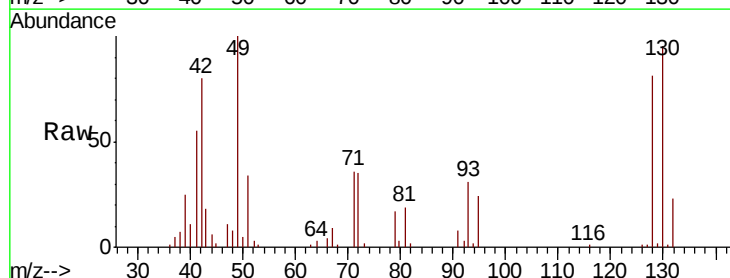
Tot Ion: 96 Resp: 38809
 Ion Ratio Lower Upper
 96 100
 61 135.3 0.0 265.4
 98 66.0 0.0 129.4

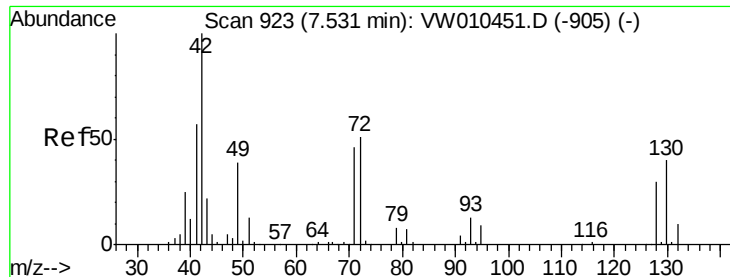


#28

Bromochloromethane
 Concen: 20.229 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW010563.D
 Acq: 28 May 2019 13:23

Tgt Ion: 49 Resp: 20605
 Ion Ratio Lower Upper
 49 100
 129 1.9 0.0 4.8
 130 93.4 71.2 106.8

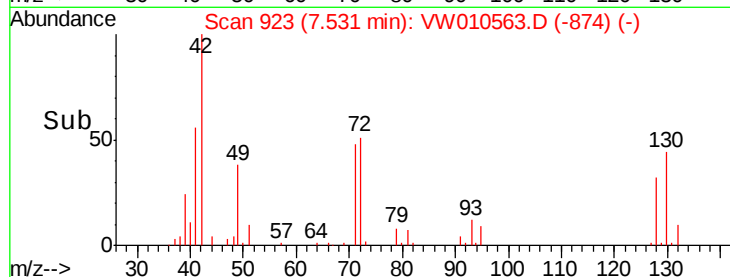
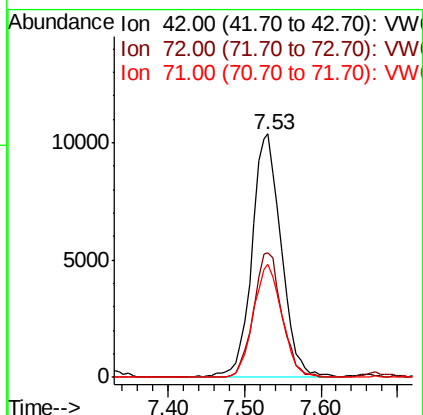
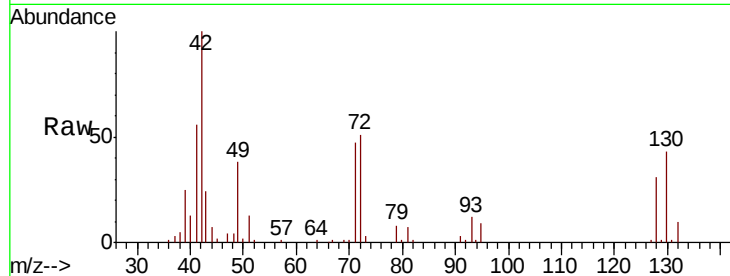




#29
Tetrahydrofuran
Concen: 89.203 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW010563.D
Acq: 28 May 2019 13:23

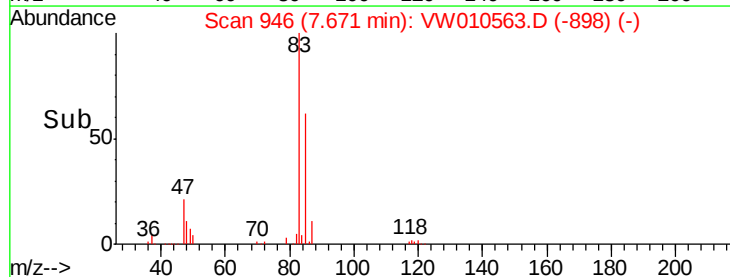
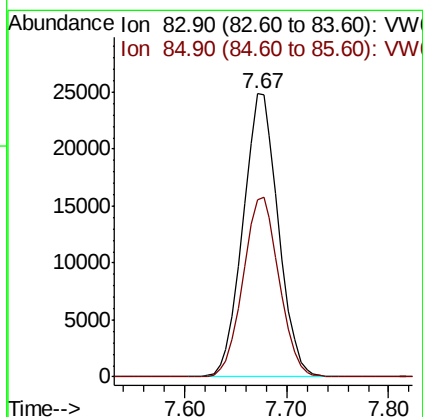
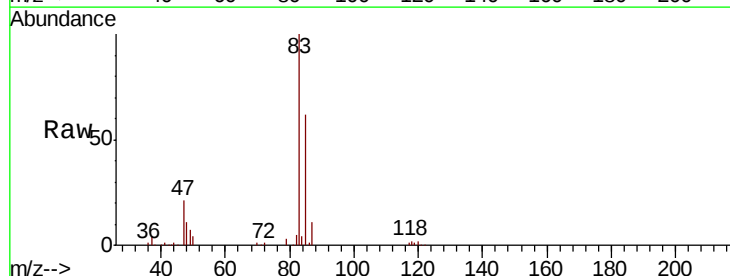
Instrument :
MSVOA_W
ClientSampleId :
VW0528SBSD01

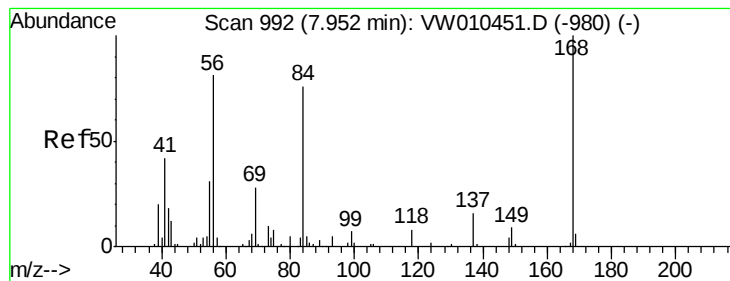
Tot Ion: 42 Resp: 27676
Ion Ratio Lower Upper
42 100
72 49.6 38.5 57.7
71 45.5 36.5 54.7



#30
Chloroform
Concen: 19.473 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW010563.D
Acq: 28 May 2019 13:23

Tgt Ion: 83 Resp: 59757
Ion Ratio Lower Upper
83 100
85 62.4 52.2 78.4





#31

Cyclohexane

Concen: 17.774 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010563.D

Acq: 28 May 2019 13:23

Instrument :

MSVOA_W

ClientSampleId :

VW0528SBSD01

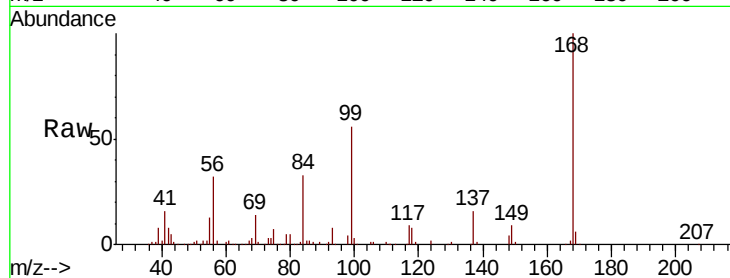
Tot Ion: 56 Resp: 52968

Ion Ratio Lower Upper

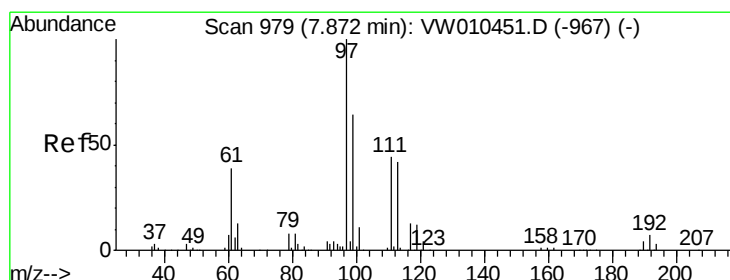
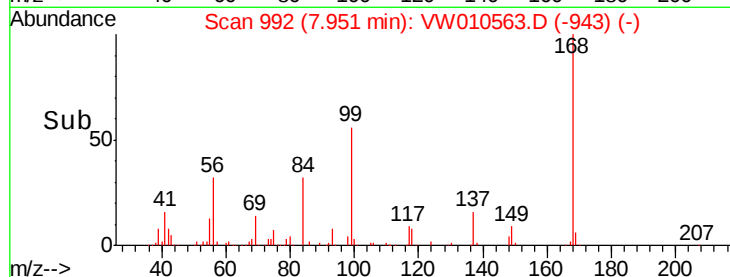
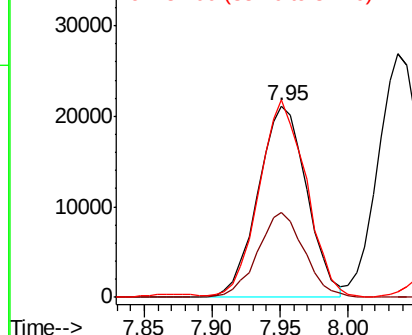
56 100

69 44.4 28.2 42.2#

84 102.0 75.8 113.8



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



#32

1,1,1-Trichloroethane

Concen: 19.449 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW010563.D

Acq: 28 May 2019 13:23

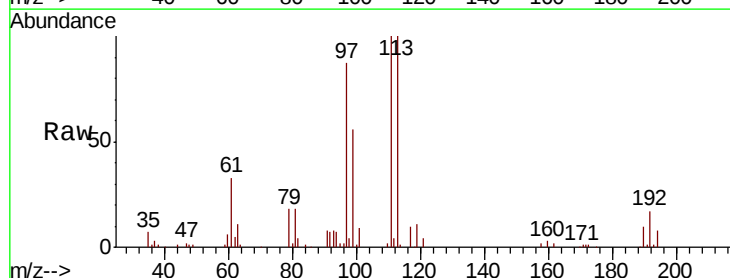
Tgt Ion: 97 Resp: 57044

Ion Ratio Lower Upper

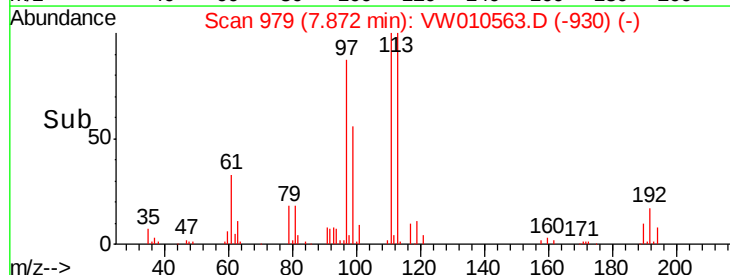
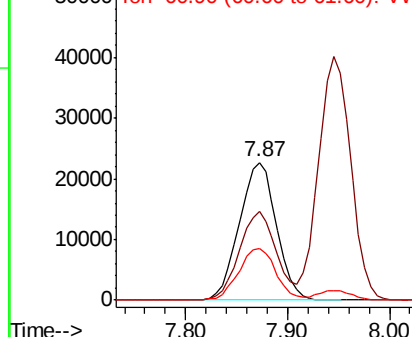
97 100

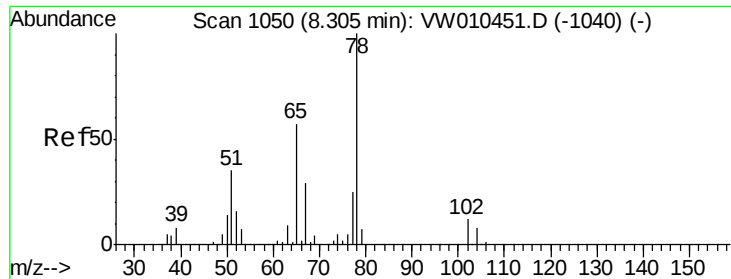
99 64.8 50.8 76.2

61 37.9 32.1 48.1



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW





#33

1,2-Dichloroethane-d4

Concen: 47.616 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010563.D

Acq: 28 May 2019 13:23

Instrument :

MSVOA_W

ClientSampleId :

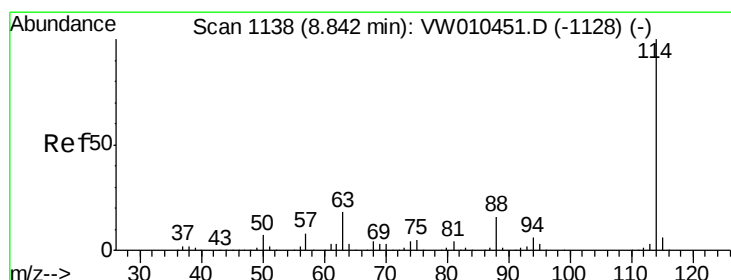
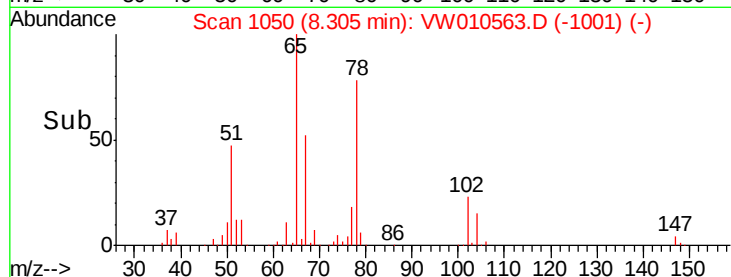
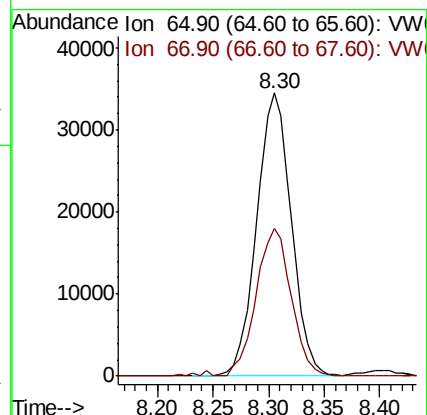
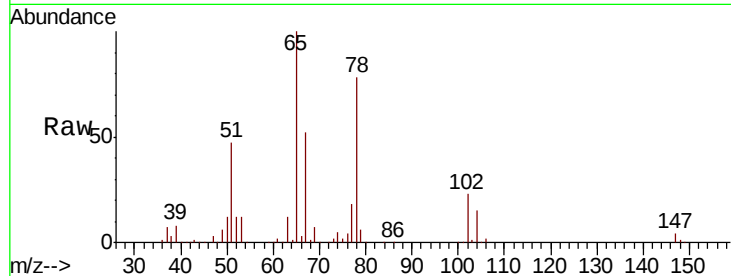
VW0528SBSD01

Tot Ion: 65 Resp: 74738

Ion Ratio Lower Upper

65 100

67 52.9 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: VW010563.D

Acq: 28 May 2019 13:23

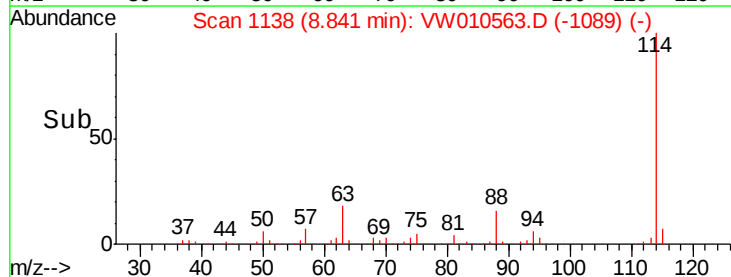
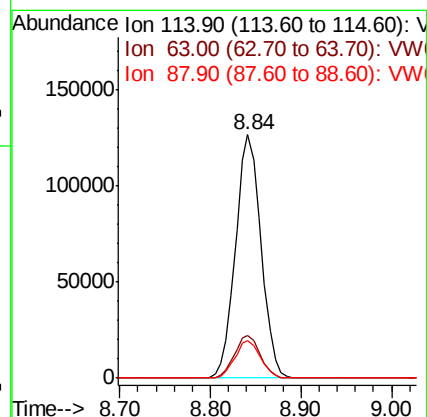
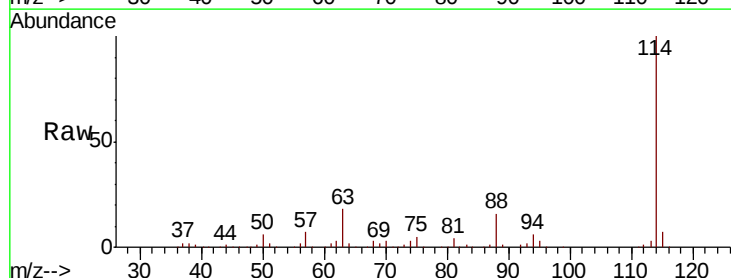
Tgt Ion: 114 Resp: 247052

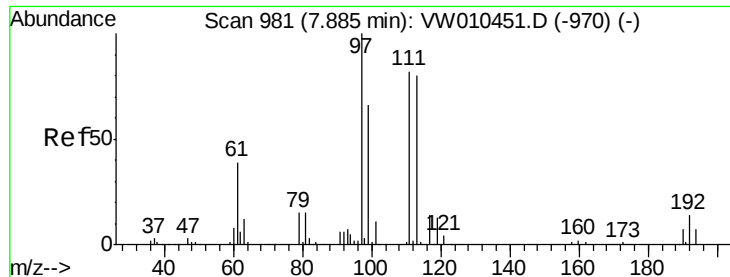
Ion Ratio Lower Upper

114 100

63 17.7 0.0 36.0

88 15.5 0.0 32.0





#35

Dibromofluoromethane

Concen: 52.796 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW010563.D

Acq: 28 May 2019 13:23

Instrument :

MSVOA_W

ClientSampleId :

VW0528SBSD01

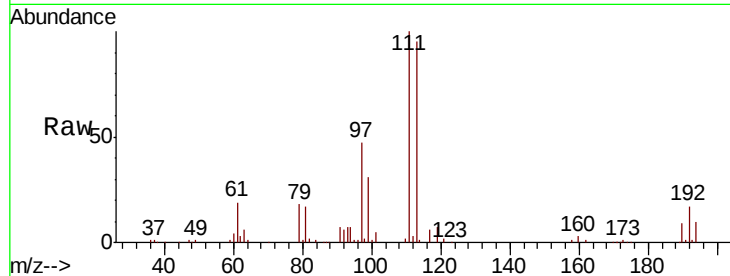
Tot Ion:113 Resp: 79145

Ion Ratio Lower Upper

113 100

111 101.5 82.2 123.4

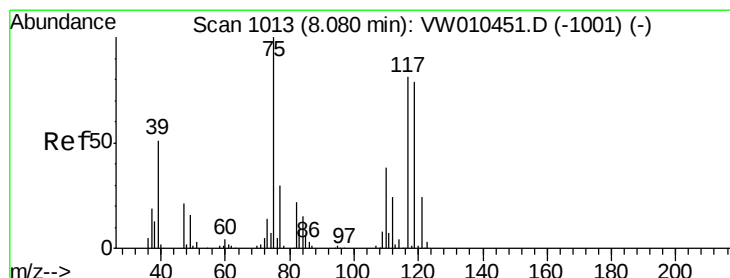
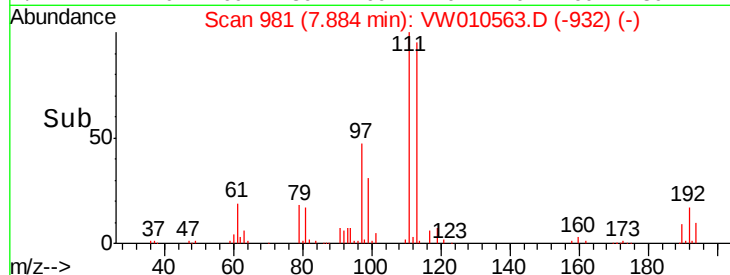
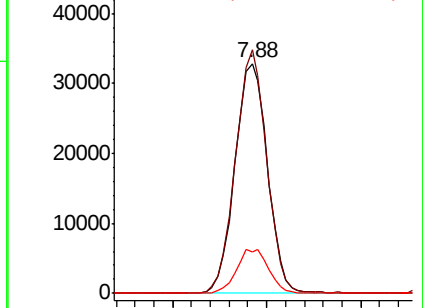
192 18.9 14.3 21.5



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.223 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW010563.D

Acq: 28 May 2019 13:23

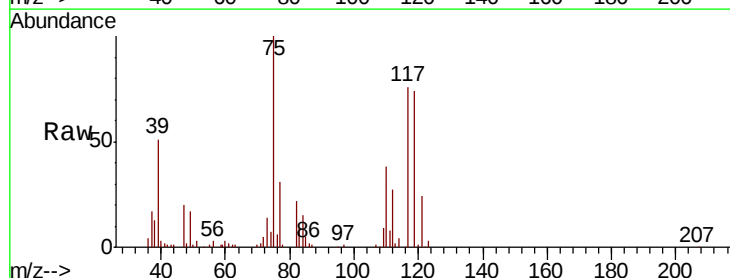
Tgt Ion: 75 Resp: 46541

Ion Ratio Lower Upper

75 100

110 38.8 19.2 57.6

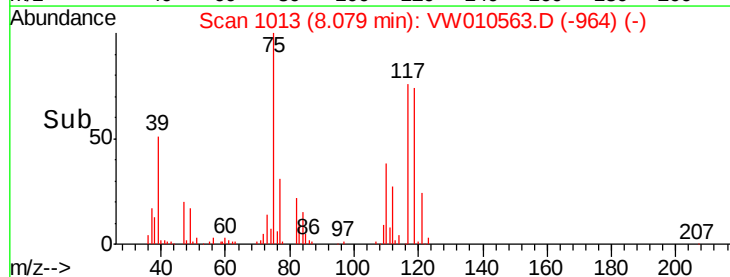
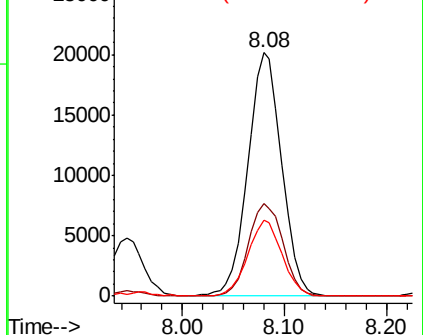
77 31.5 25.2 37.8

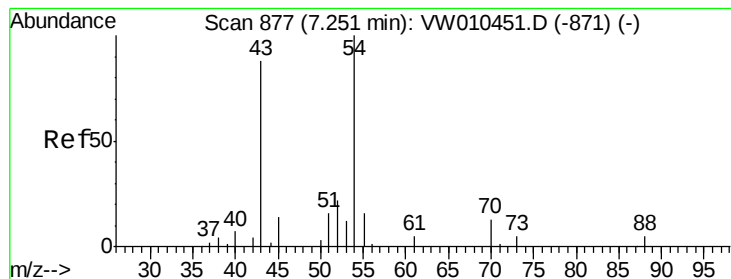


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 20.062 ug/l

RT: 7.26 min Scan# 878

Delta R.T. 0.01 min

Lab File: VW010563.D

Acq: 28 May 2019 13:23

Instrument :

MSVOA_W

ClientSampleID :

VW0528SBS01

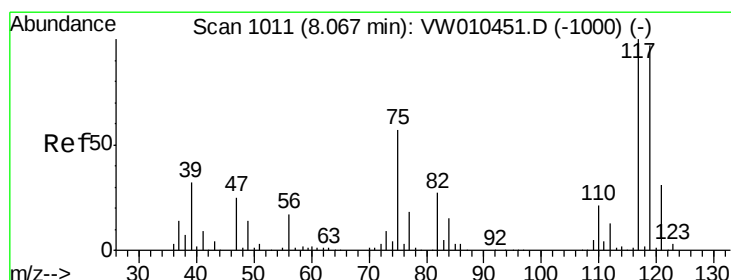
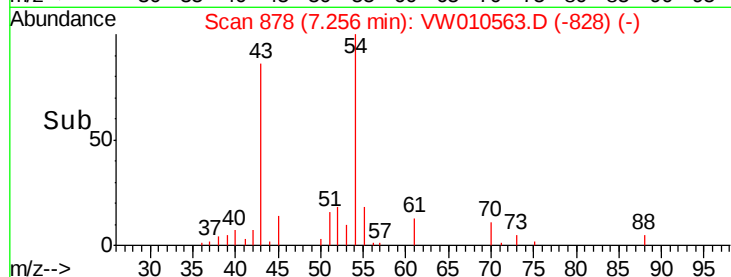
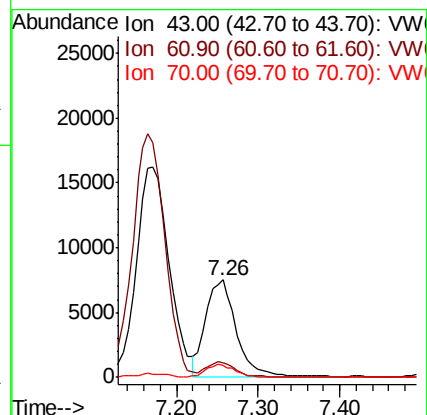
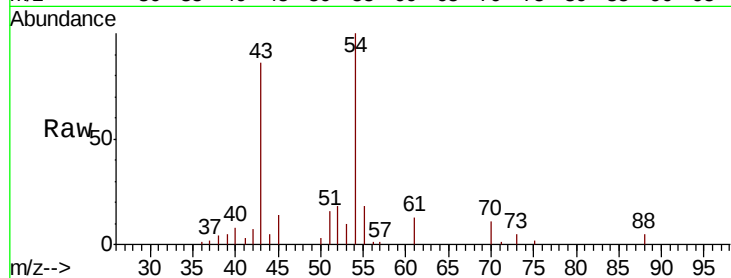
Tot Ion: 43 Resp: 19634

Ion Ratio Lower Upper

43 100

61 15.0 11.2 16.8

70 12.4 9.9 14.9



#38

Carbon Tetrachloride

Concen: 20.858 ug/l

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW010563.D

Acq: 28 May 2019 13:23

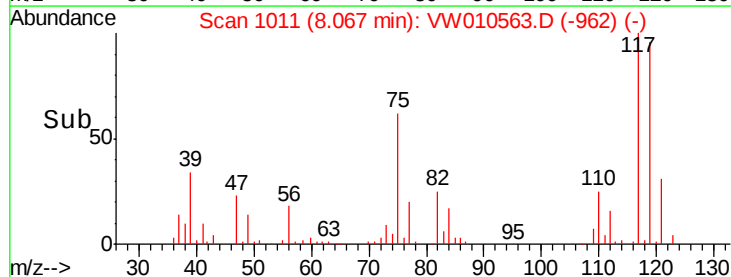
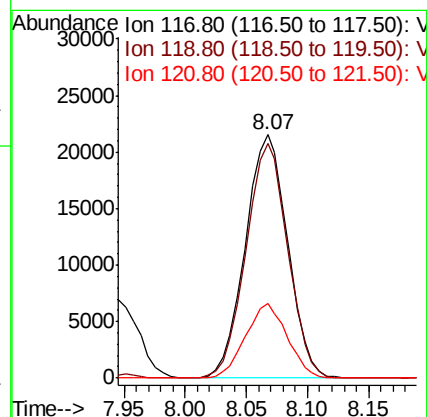
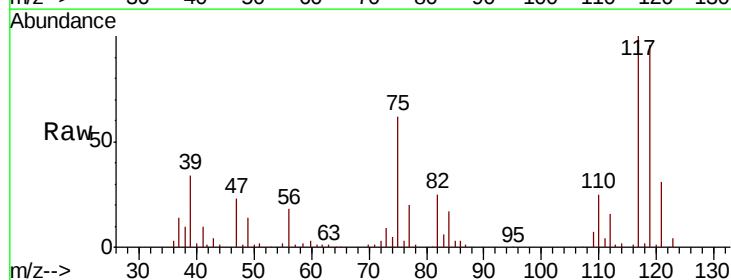
Tgt Ion: 117 Resp: 51784

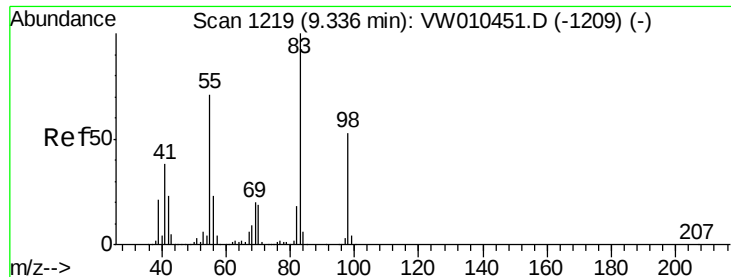
Ion Ratio Lower Upper

117 100

119 96.3 77.4 116.0

121 30.7 25.0 37.6

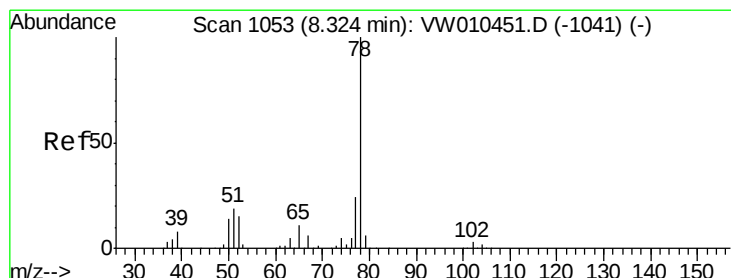
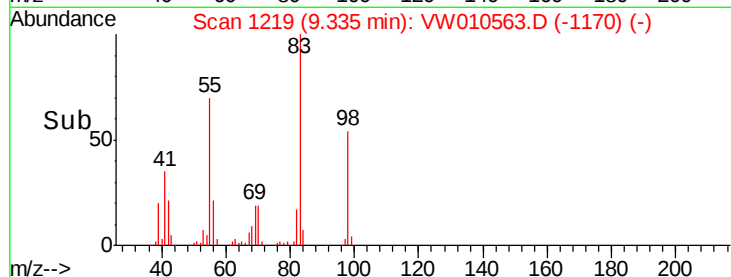
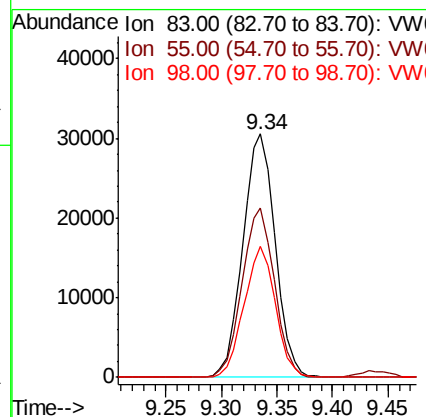
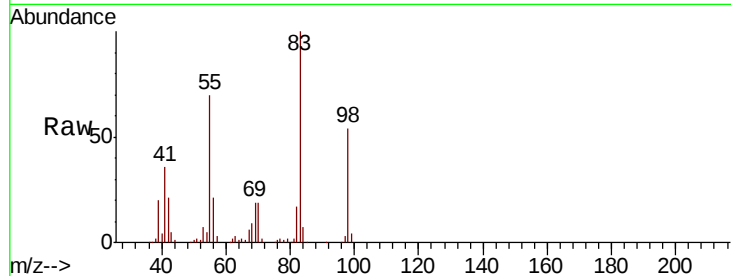




#39
Methvlcvclohexane
Concen: 19.926 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010563.D
Acq: 28 May 2019 13:23

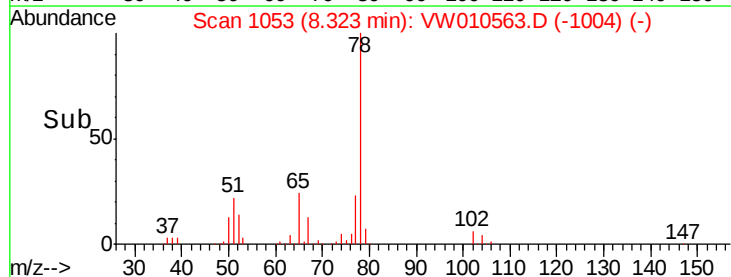
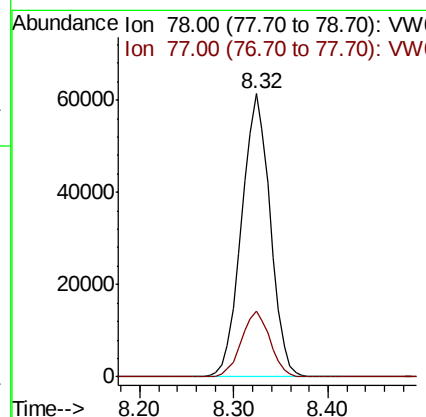
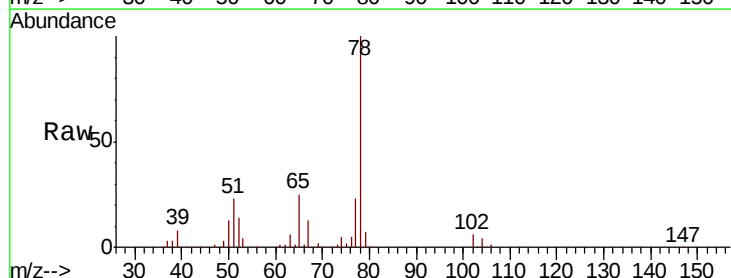
Instrument :
MSVOA_W
ClientSampleId :
VW0528SBSD01

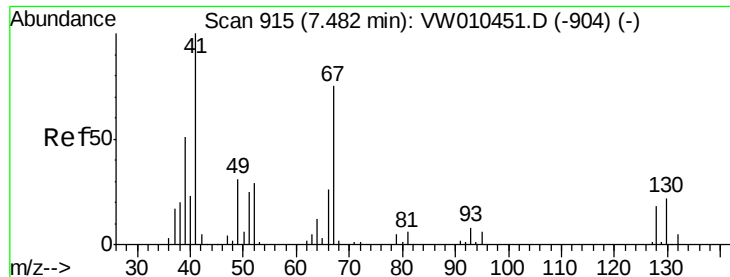
Tot Ion: 83 Resp: 61440
Ion Ratio Lower Upper
83 100
55 69.6 57.0 85.6
98 53.7 42.0 63.0



#40
Benzene
Concen: 20.388 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW010563.D
Acq: 28 May 2019 13:23

Tgt Ion: 78 Resp: 130414
Ion Ratio Lower Upper
78 100
77 23.1 18.9 28.3

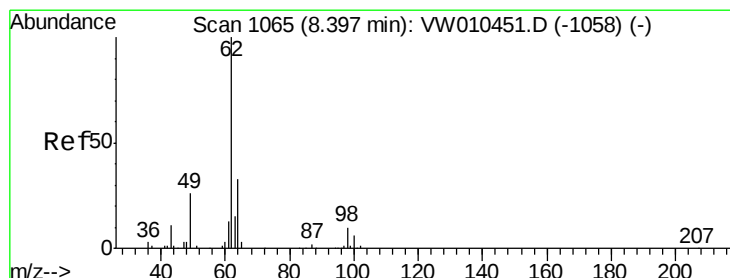
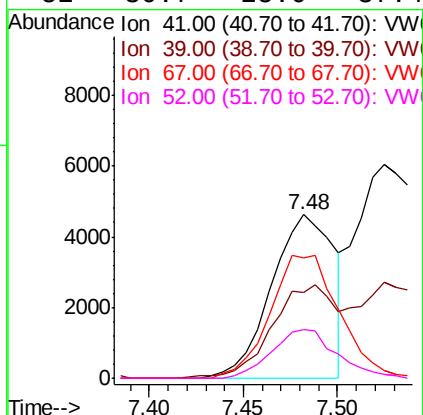
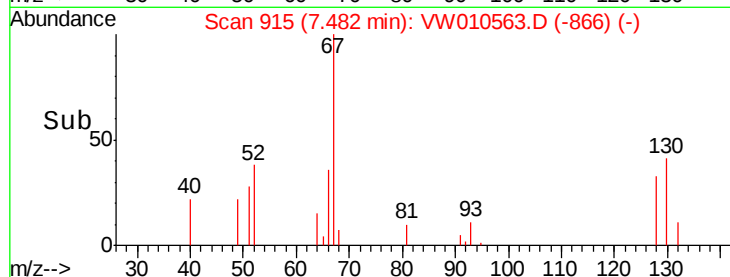
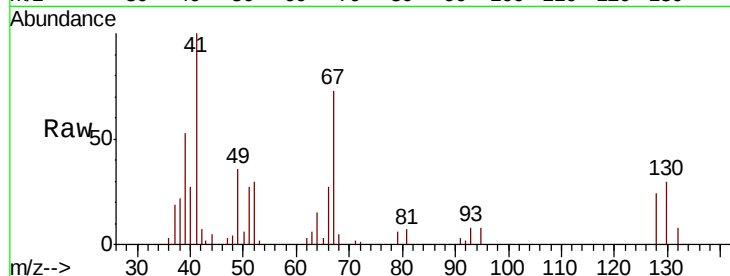




#41
Methacrylonitrile
Concen: 18.409 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW010563.D
Acq: 28 May 2019 13:23

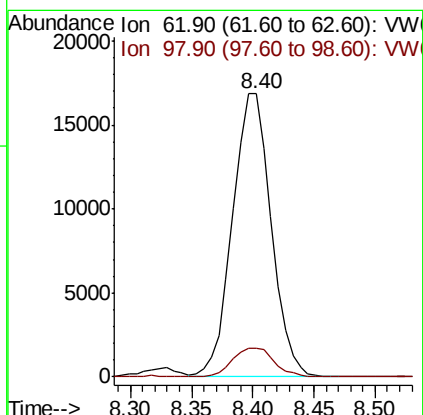
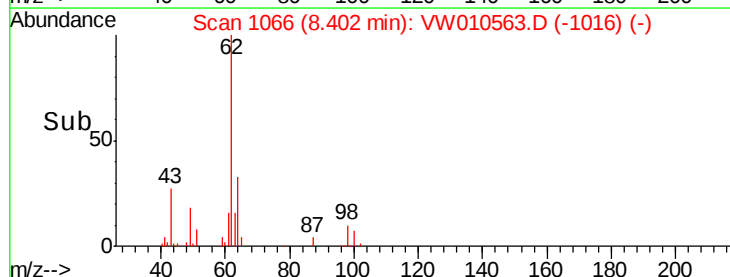
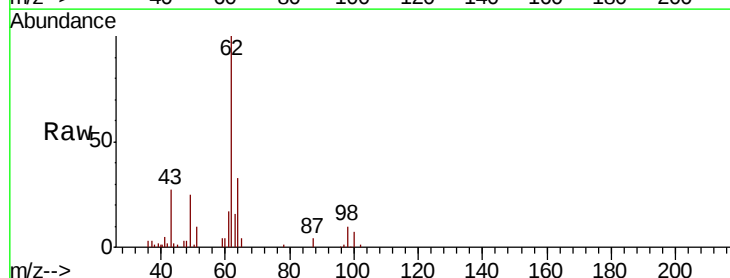
Instrument :
MSVOA_W
ClientSampleId :
VW0528SBSD01

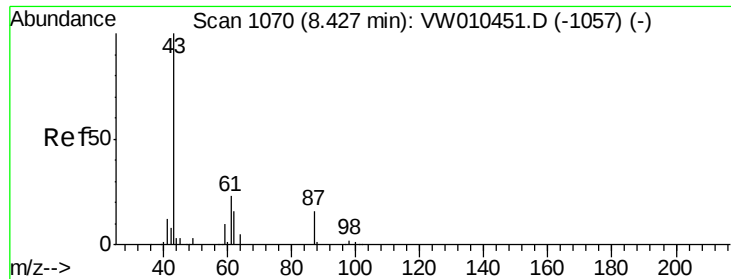
Tot Ion:	41	Resp:	10705
Ion	Ratio	Lower	Upper
41	100		
39	56.7	47.4	71.2
67	82.7	65.5	98.3
52	30.7	25.0	37.4



#42
1,2-Dichloroethane
Concen: 20.236 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW010563.D
Acq: 28 May 2019 13:23

Tgt Ion:	62	Resp:	36996
Ion	Ratio	Lower	Upper
62	100		
98	10.8	0.0	21.0





#43

Isopropyl Acetate

Concen: 19.451 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW010563.D

Acq: 28 May 2019 13:23

Instrument :

MSVOA_W

ClientSampleId :

VW0528SBS01

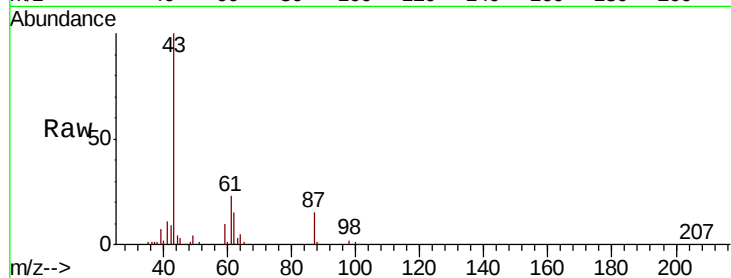
Tot Ion: 43 Resp: 38030

Ion Ratio Lower Upper

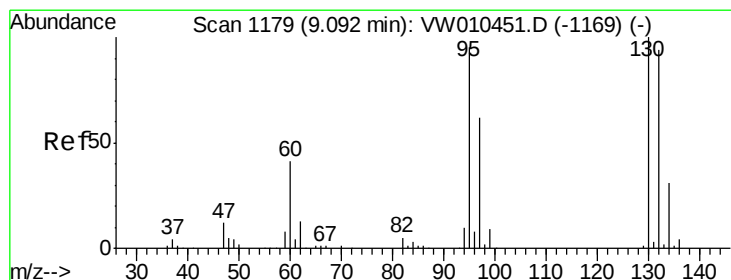
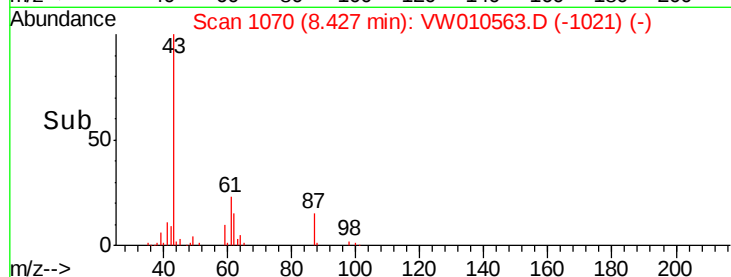
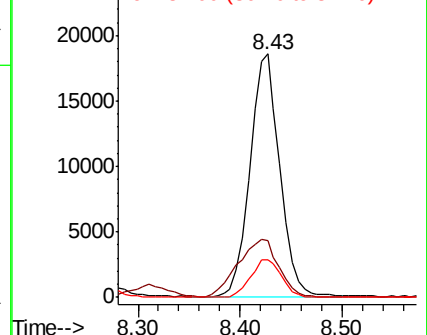
43 100

61 32.3 25.4 38.2

87 16.0 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: 21.153 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW010563.D

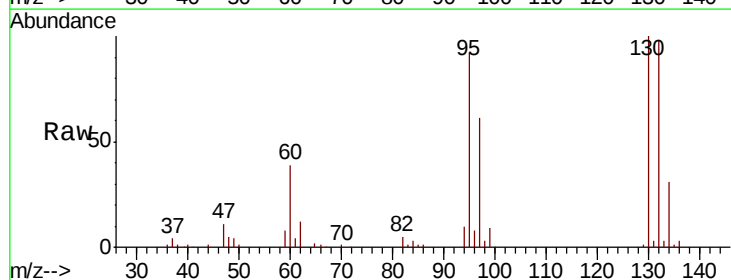
Acq: 28 May 2019 13:23

Tgt Ion: 130 Resp: 40170

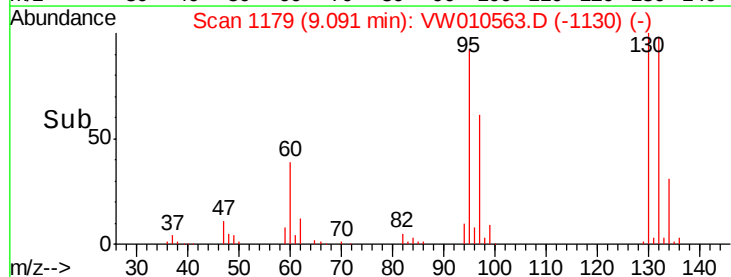
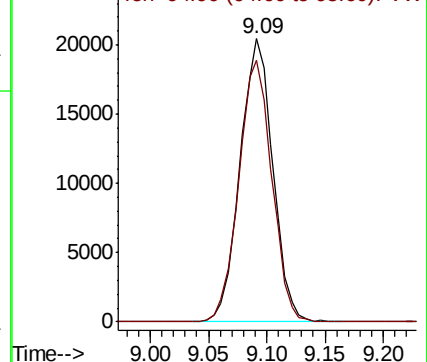
Ion Ratio Lower Upper

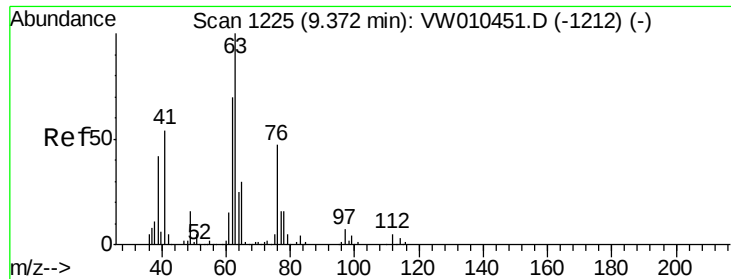
130 100

95 92.4 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: 20.313 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VW010563.D

Acq: 28 May 2019 13:23

Instrument :

MSVOA_W

ClientSampleId :

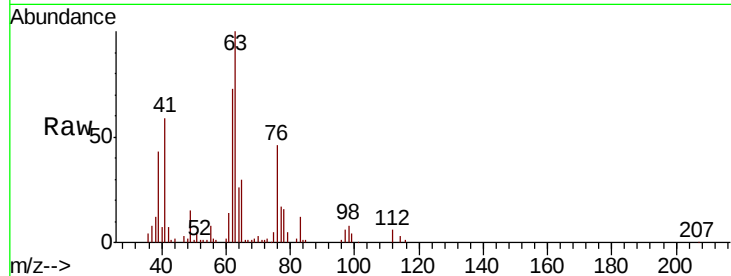
VW0528SBSD01

Tot Ion: 63 Resp: 30859

Ion Ratio Lower Upper

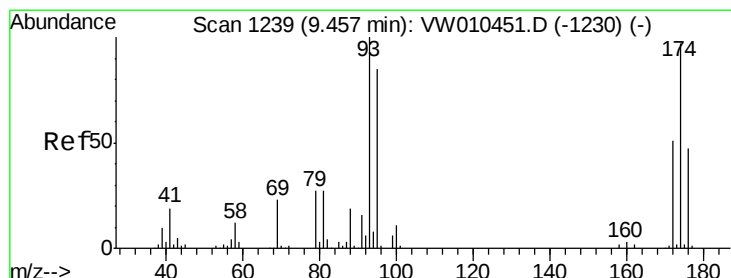
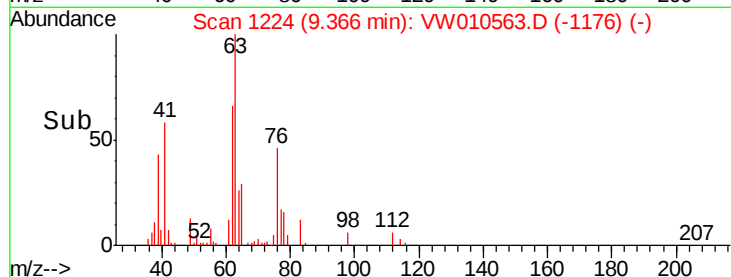
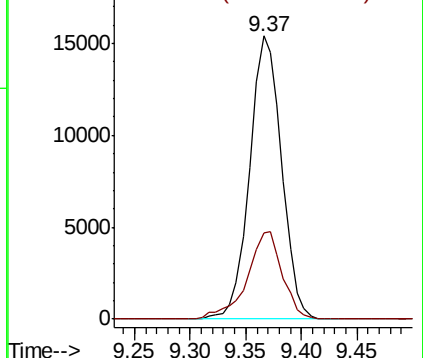
63 100

65 30.4 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: 20.542 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW010563.D

Acq: 28 May 2019 13:23

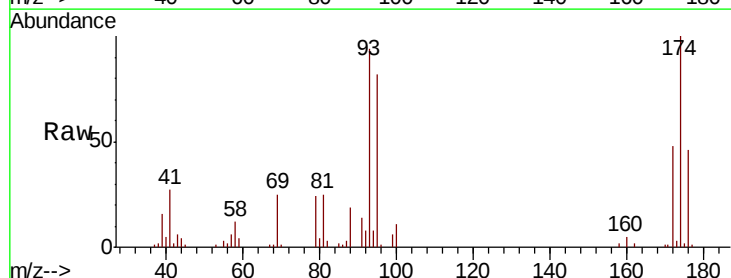
Tgt Ion: 93 Resp: 18251

Ion Ratio Lower Upper

93 100

95 81.0 66.1 99.1

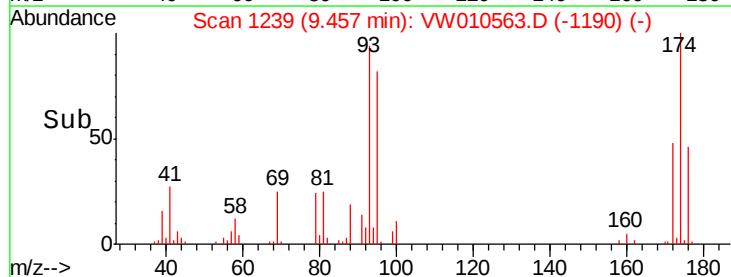
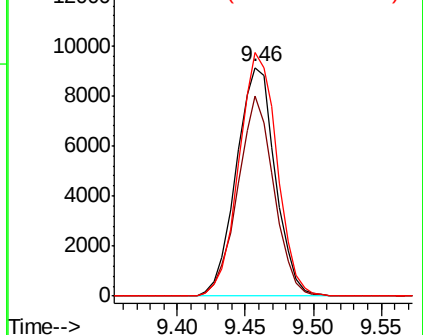
174 104.5 77.1 115.7



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: 20.359 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW010563.D

Acq: 28 May 2019 13:23

Instrument :

MSVOA_W

ClientSampleId :

VW0528SBSD01

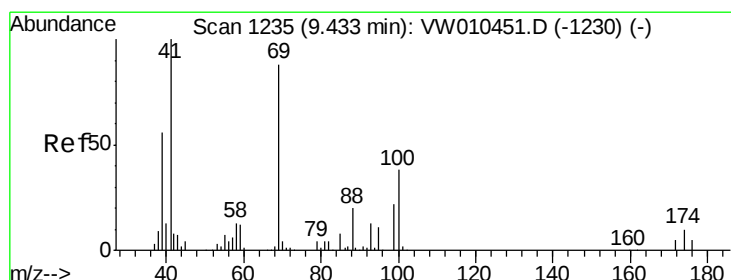
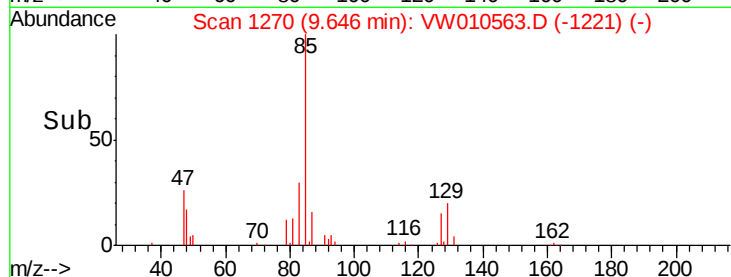
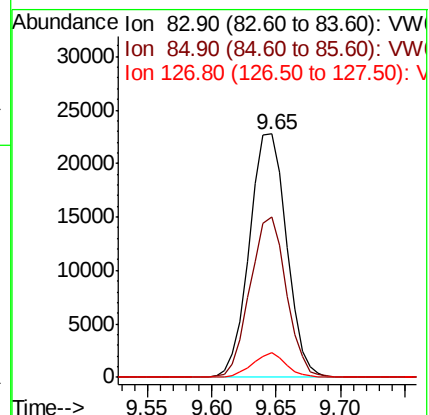
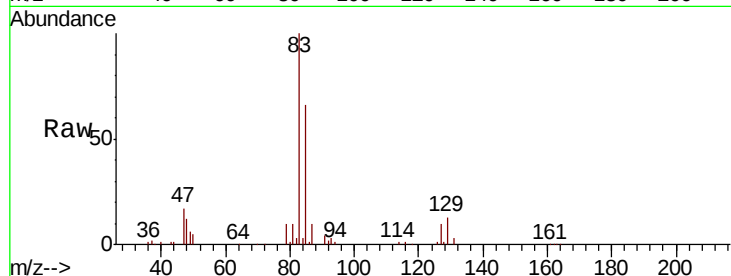
Tot Ion: 83 Resp: 45455

Ion Ratio Lower Upper

83 100

85 66.0 50.4 75.6

127 10.0 7.4 11.0



#48

Methyl methacrylate

Concen: 18.974 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.01 min

Lab File: VW010563.D

Acq: 28 May 2019 13:23

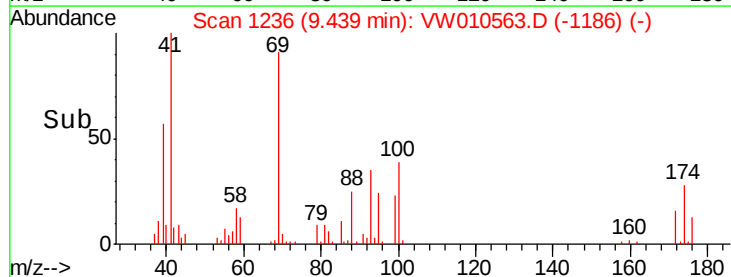
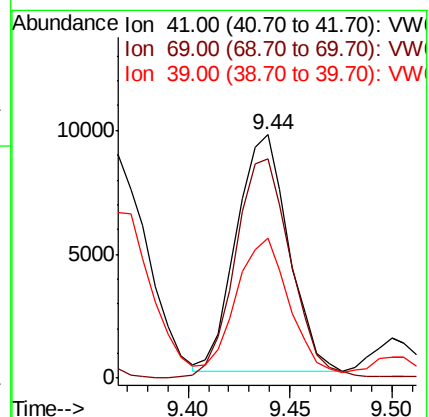
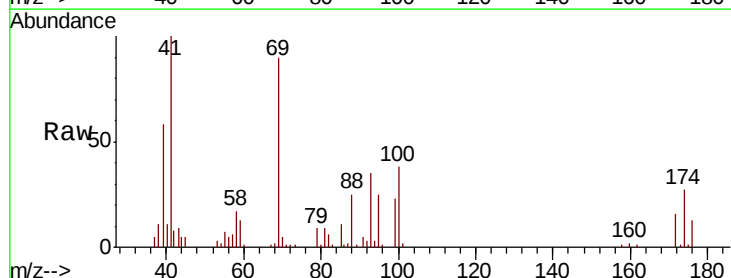
Tgt Ion: 41 Resp: 16972

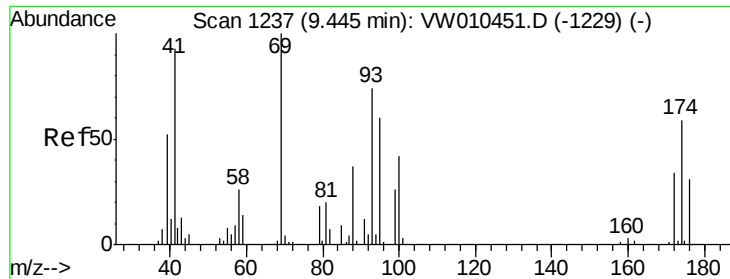
Ion Ratio Lower Upper

41 100

69 99.5 77.6 116.4

39 62.5 49.8 74.8





#49

1,4-Dioxane

Concen: 380.612 ug/l

RT: 9.44 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VW010563.D

Acq: 28 May 2019 13:23

Instrument :

MSVOA_W

ClientSampleId :

VW0528SBSD01

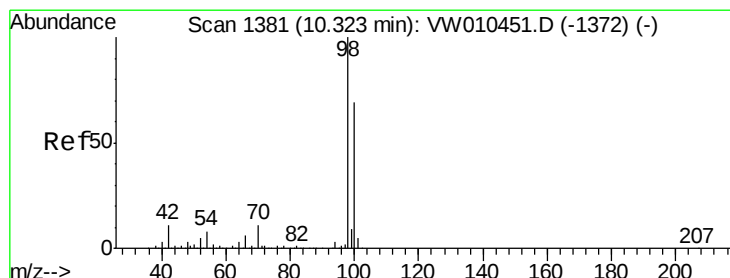
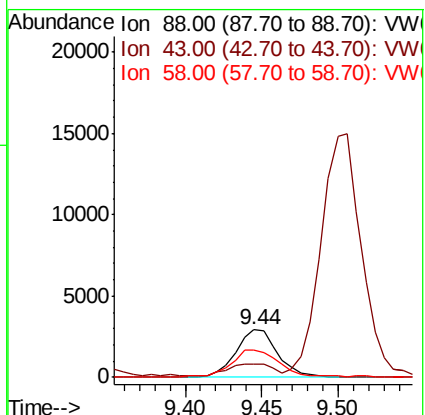
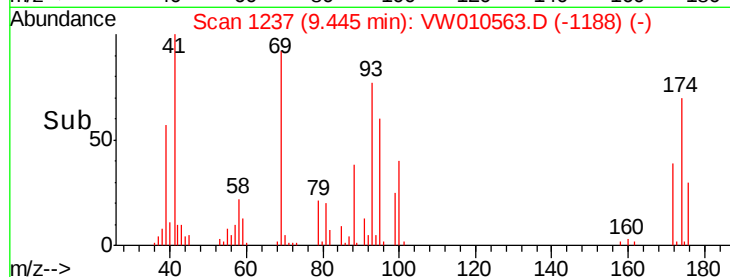
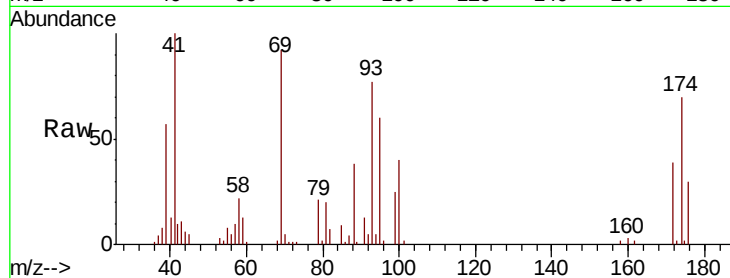
Tot Ion: 88 Resp: 5524

Ion Ratio Lower Upper

88 100

43 27.7 25.9 38.9

58 68.3 52.7 79.1



#50

Toluene-d8

Concen: 52.076 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010563.D

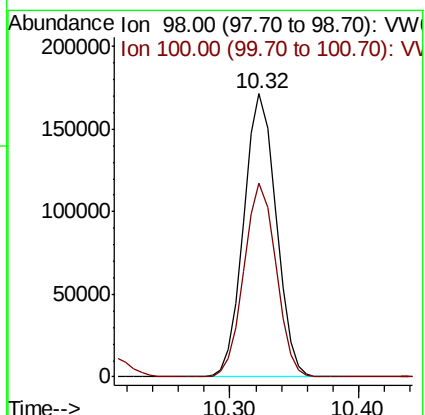
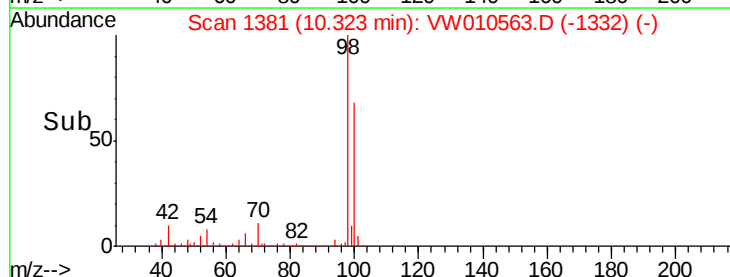
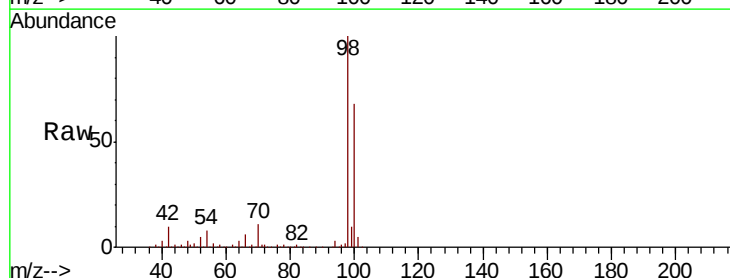
Acq: 28 May 2019 13:23

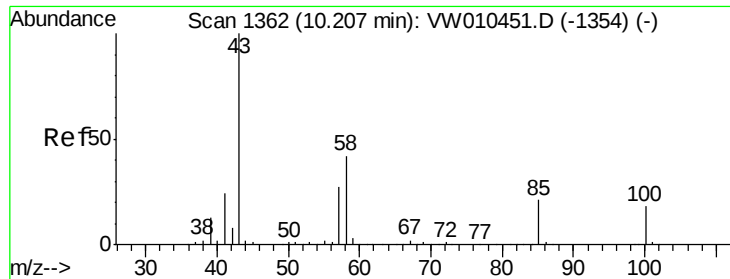
Tgt Ion: 98 Resp: 298230

Ion Ratio Lower Upper

98 100

100 67.9 53.7 80.5





#51

4-Methyl-2-Pentanone

Concen: 98.111 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW010563.D

Acq: 28 May 2019 13:23

Instrument :

MSVOA_W

ClientSampleId :

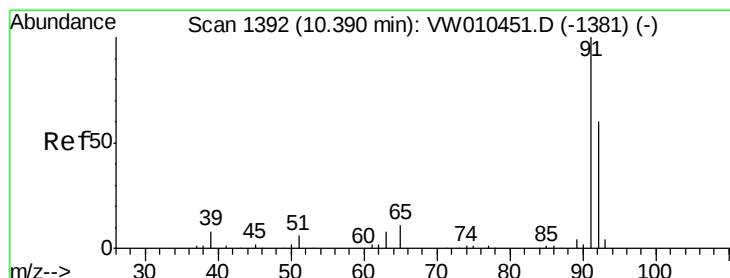
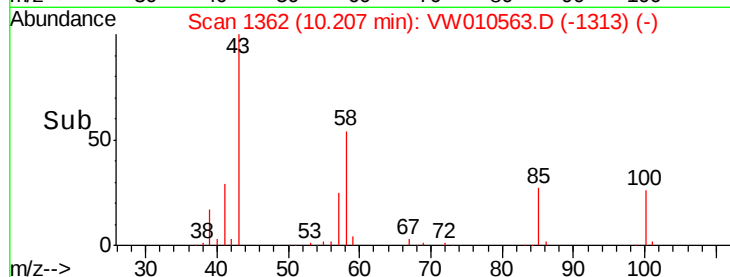
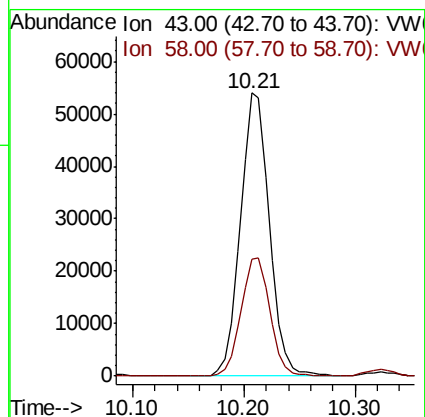
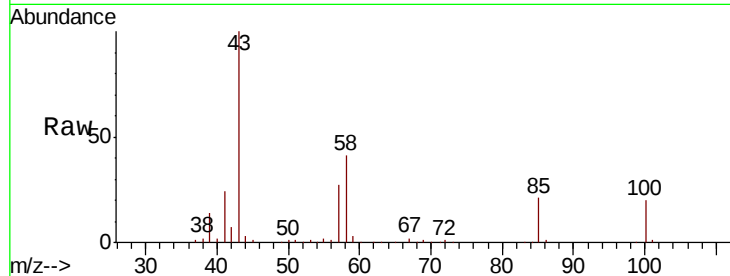
VW0528SBSD01

Tot Ion: 43 Resp: 97201

Ion Ratio Lower Upper

43 100

58 41.8 33.2 49.8



#52

Toluene

Concen: 20.875 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010563.D

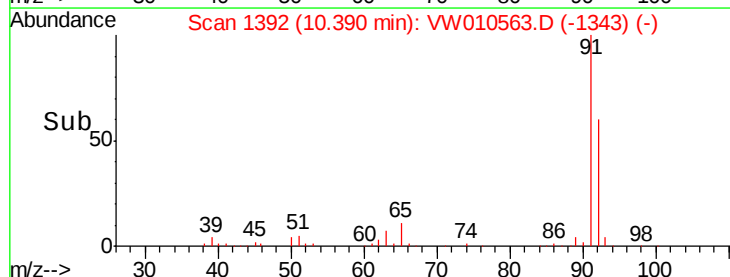
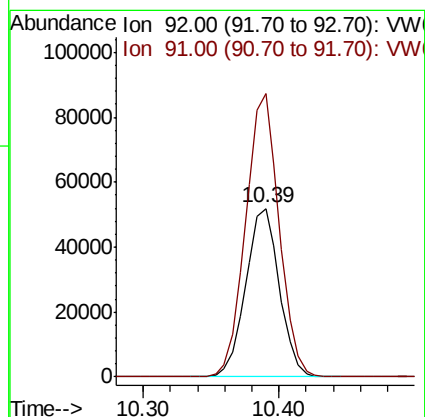
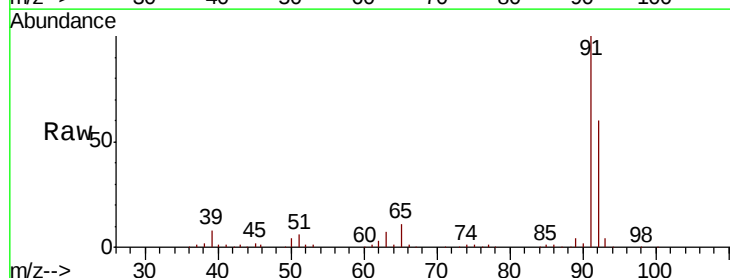
Acq: 28 May 2019 13:23

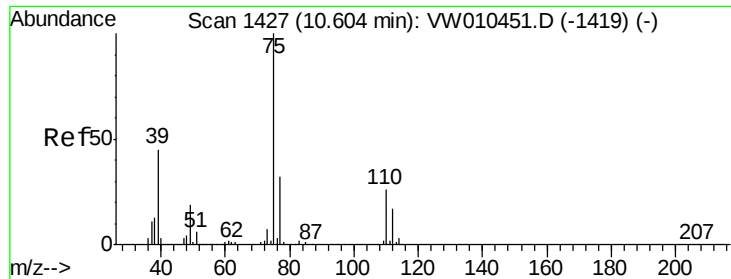
Tgt Ion: 92 Resp: 89674

Ion Ratio Lower Upper

92 100

91 167.6 135.4 203.0





#53

t-1,3-Dichloropropene

Concen: 20.045 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW010563.D

Acq: 28 May 2019 13:23

Instrument :

MSVOA_W

ClientSampleId :

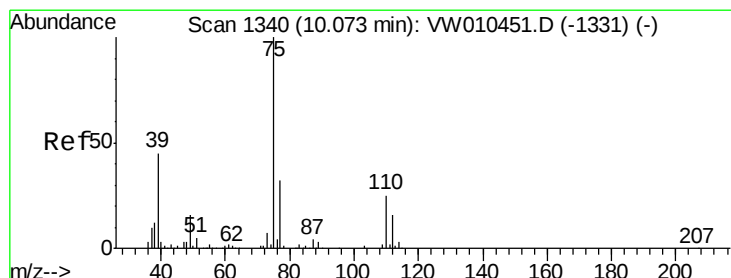
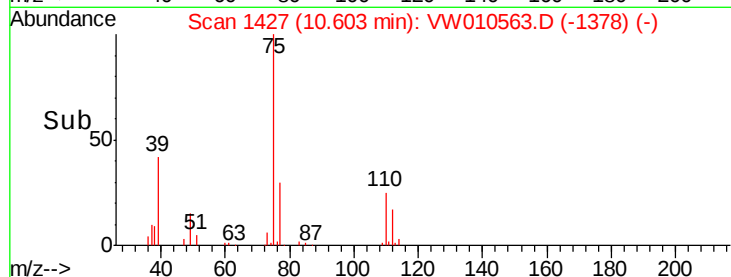
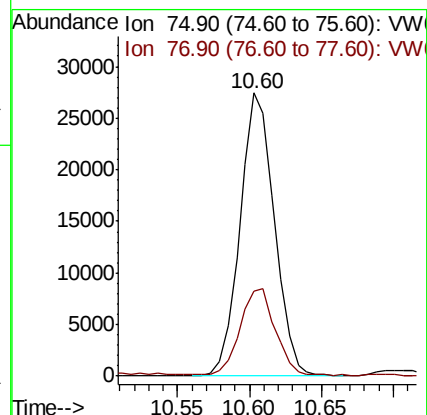
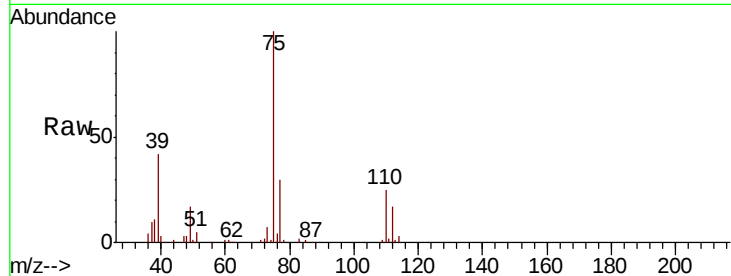
VW0528SBSD01

Tot Ion: 75 Resp: 45325

Ion Ratio Lower Upper

75 100

77 29.5 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 20.587 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW010563.D

Acq: 28 May 2019 13:23

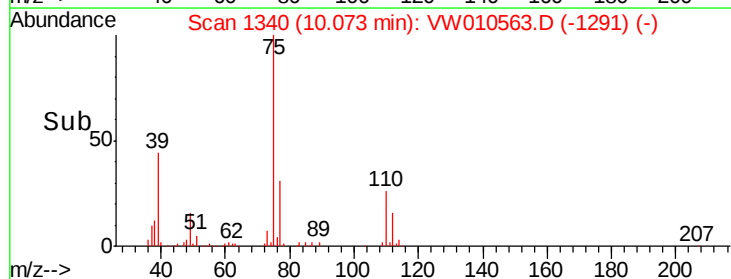
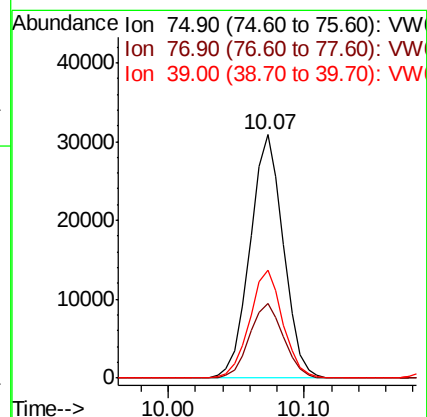
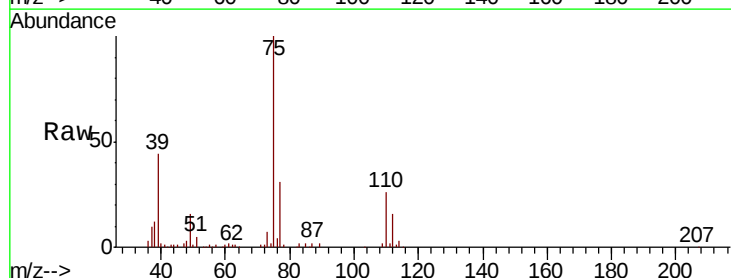
Tgt Ion: 75 Resp: 53163

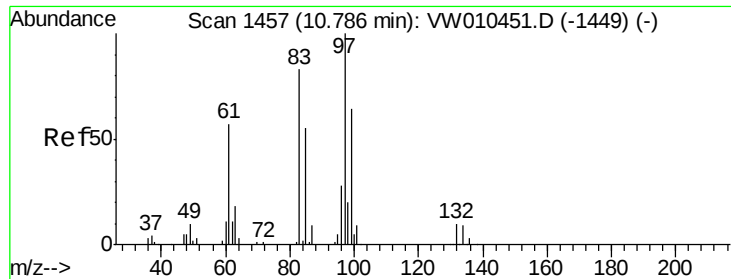
Ion Ratio Lower Upper

75 100

77 30.6 25.7 38.5

39 44.2 36.2 54.4

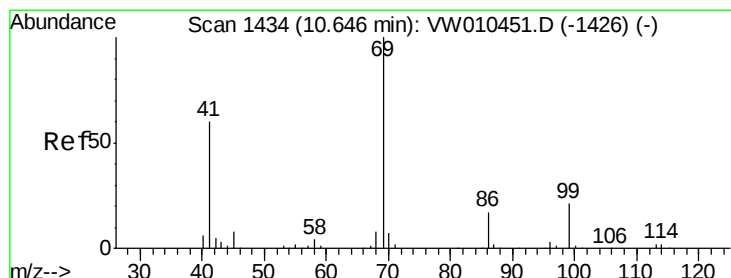
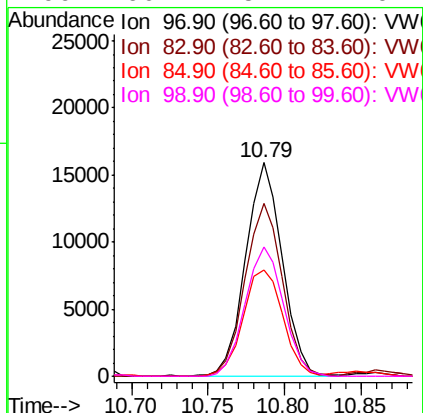
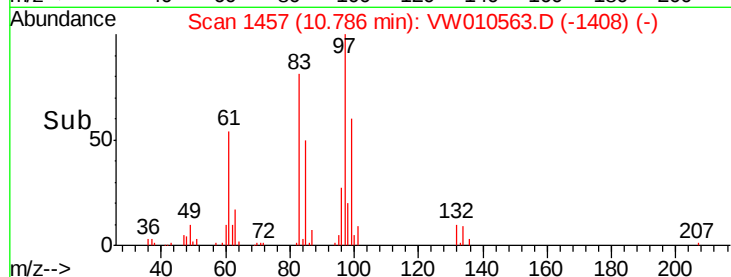
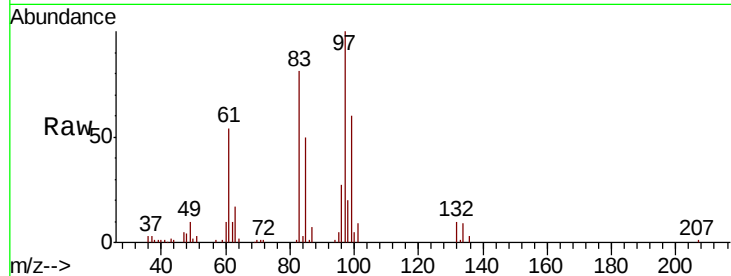




#55
 1,1,2-Trichloroethane
 Concen: 20.755 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW010563.D
 Acq: 28 May 2019 13:23

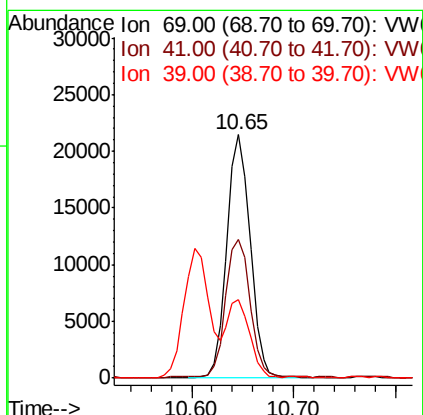
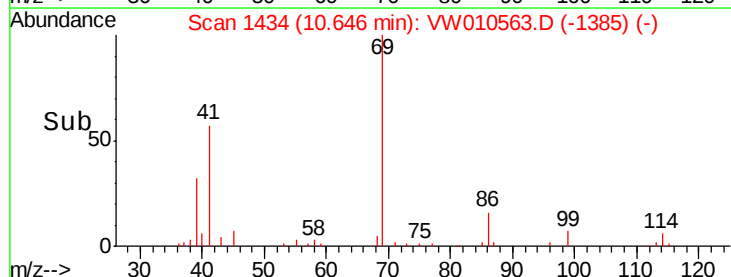
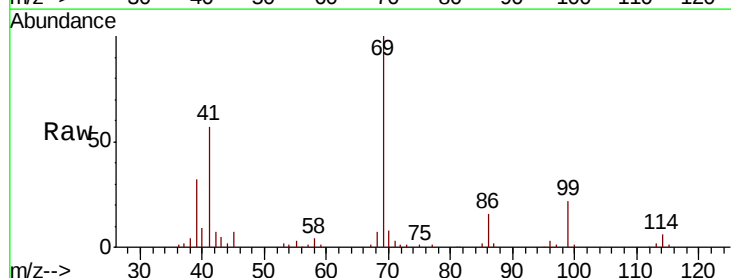
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0528SBSD01

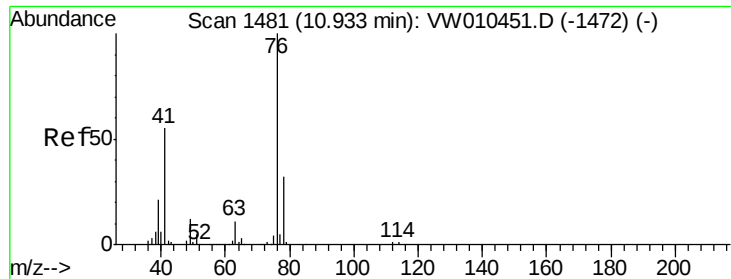
Tot Ion:	97	Resp:	26517
Ion	Ratio	Lower	Upper
97	100		
83	80.7	66.1	99.1
85	50.0	44.2	66.4
99	60.4	51.1	76.7



#56
 Ethyl methacrylate
 Concen: 19.499 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW010563.D
 Acq: 28 May 2019 13:23

Tgt Ion:	69	Resp:	34358
Ion	Ratio	Lower	Upper
69	100		
41	58.1	47.7	71.5
39	30.3	25.3	37.9

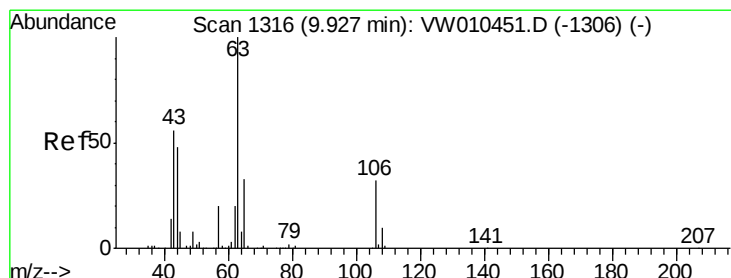
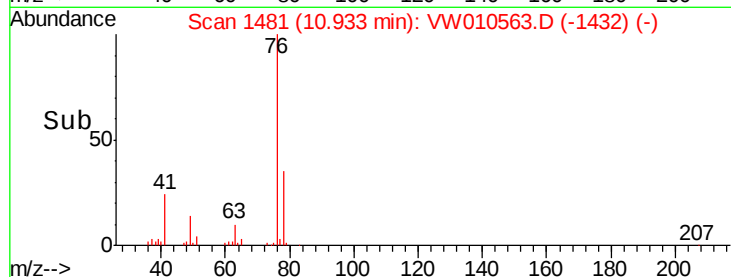
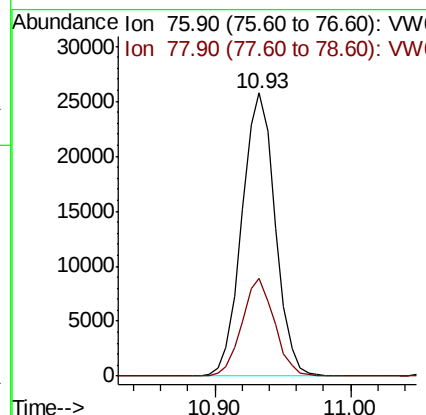
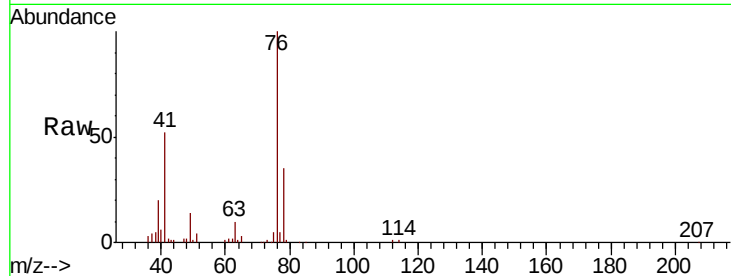




#57
 1,3-Dichloropropane
 Concen: 20.503 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW010563.D
 Acq: 28 May 2019 13:23

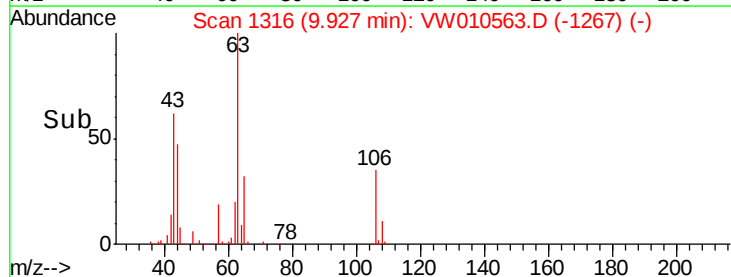
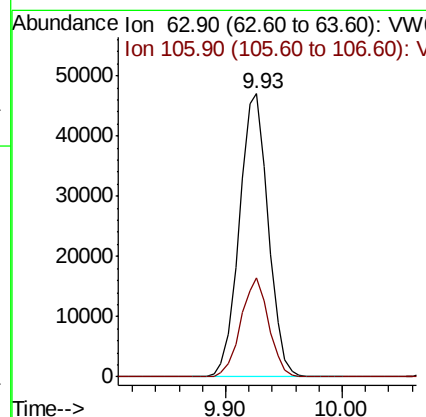
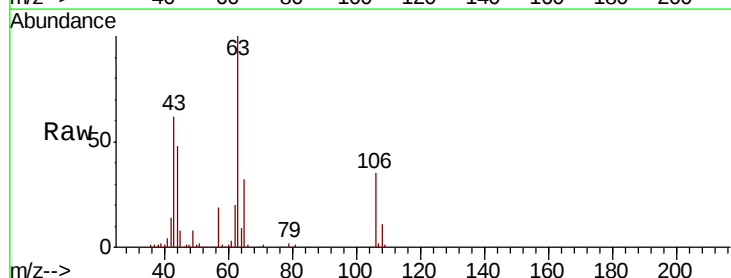
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0528SBSD01

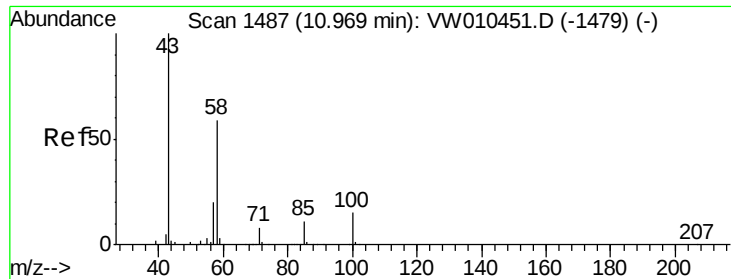
Tot Ion: 76 Resp: 43879
 Ion Ratio Lower Upper
 76 100
 78 33.8 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 104.102 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW010563.D
 Acq: 28 May 2019 13:23

Tgt Ion: 63 Resp: 81247
 Ion Ratio Lower Upper
 63 100
 106 33.7 25.8 38.6

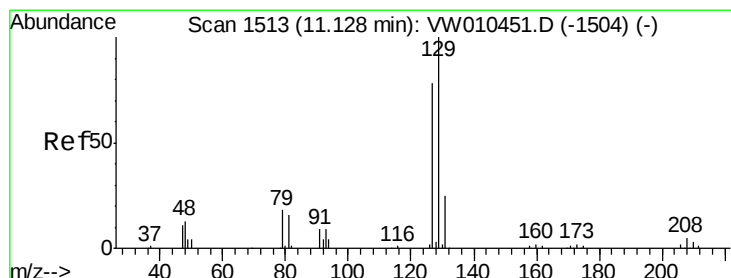
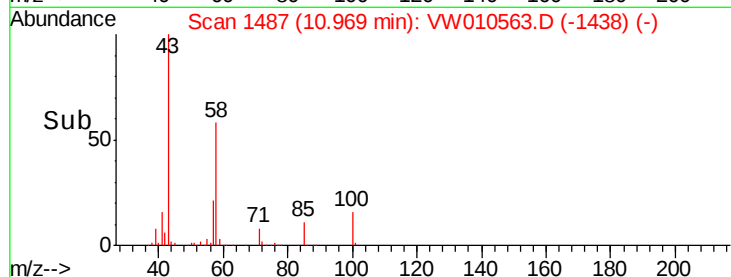
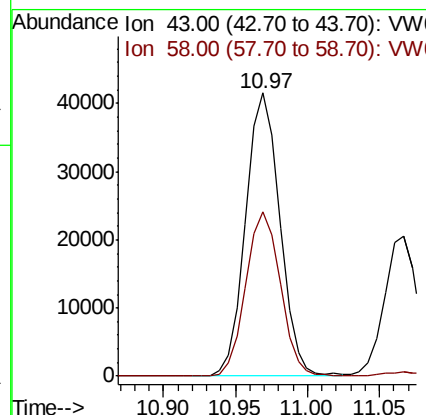
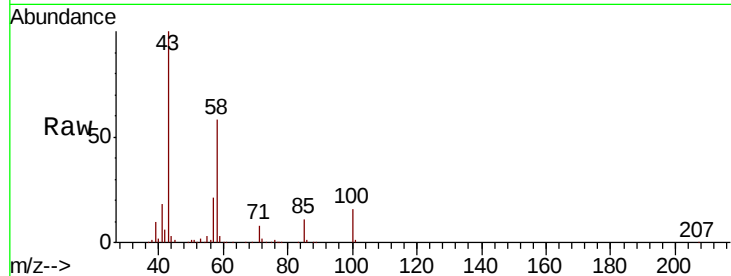




#59
2-Hexanone
Concen: 96.944 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010563.D
Acq: 28 May 2019 13:23

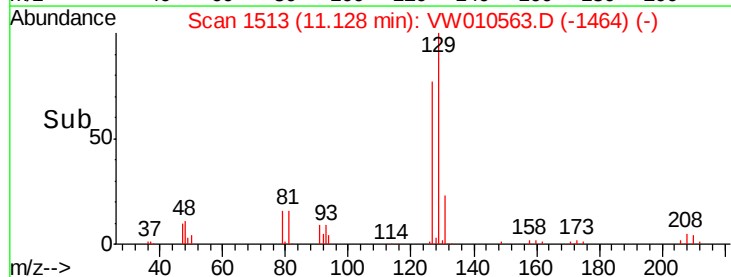
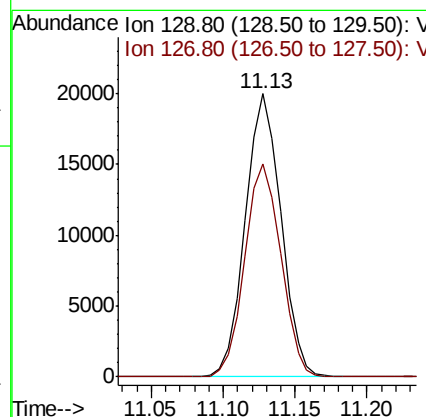
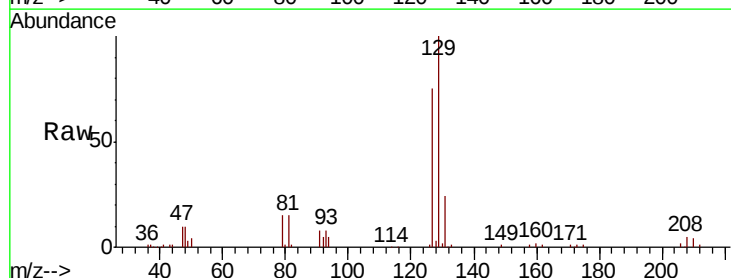
Instrument :
MSVOA_W
ClientSampleId :
VW0528SBSD01

Tot Ion: 43 Resp: 68514
Ion Ratio Lower Upper
43 100
58 58.7 28.9 86.8



#60
Dibromochloromethane
Concen: 21.236 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010563.D
Acq: 28 May 2019 13:23

Tgt Ion: 129 Resp: 34337
Ion Ratio Lower Upper
129 100
127 76.1 38.9 116.7

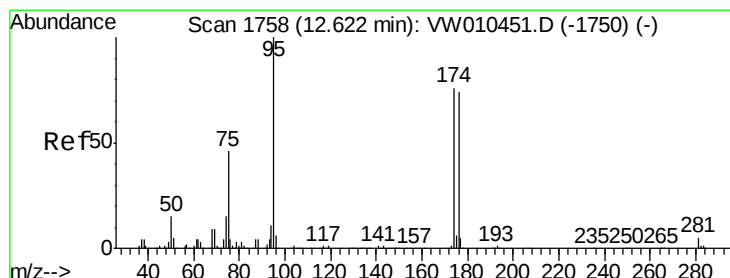
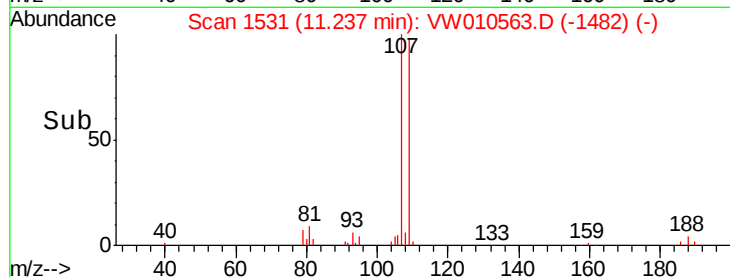
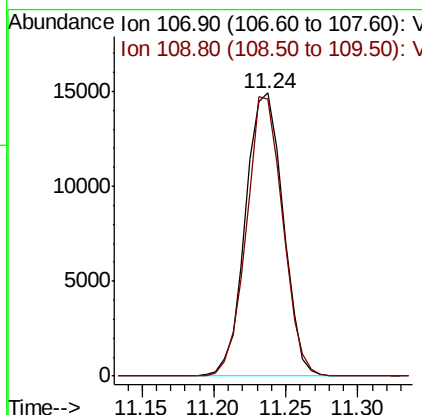
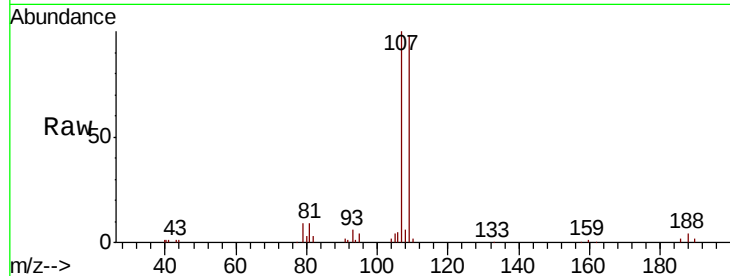




#61
 1,2-Dibromoethane
 Concen: 20.761 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW010563.D
 Acq: 28 May 2019 13:23

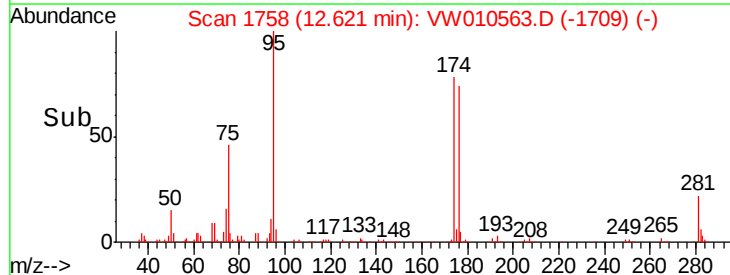
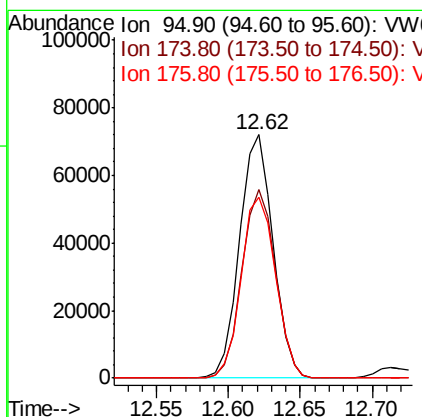
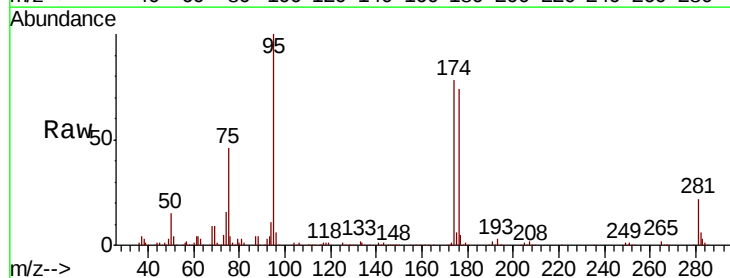
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0528SBSD01

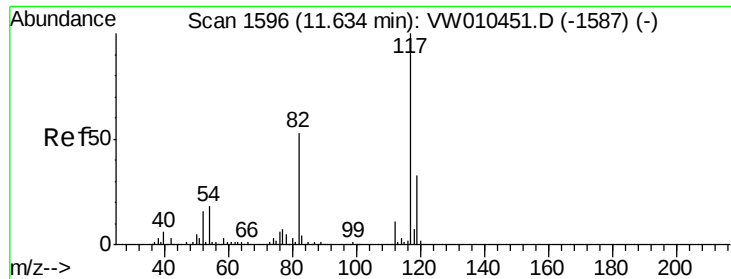
Tot Ion:107 Resp: 26869
 Ion Ratio Lower Upper
 107 100
 109 95.4 75.0 112.4



#62
 4-Bromofluorobenzene
 Concen: 50.918 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW010563.D
 Acq: 28 May 2019 13:23

Tgt Ion: 95 Resp: 116148
 Ion Ratio Lower Upper
 95 100
 174 77.8 0.0 148.6
 176 76.0 0.0 144.2

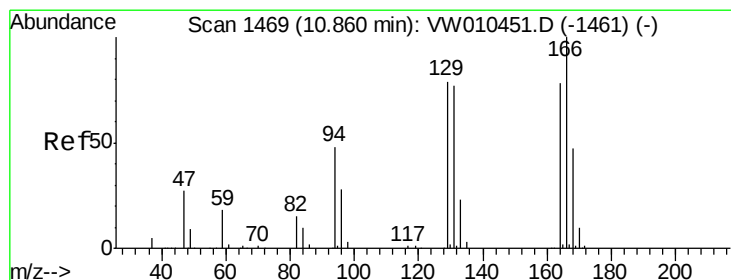
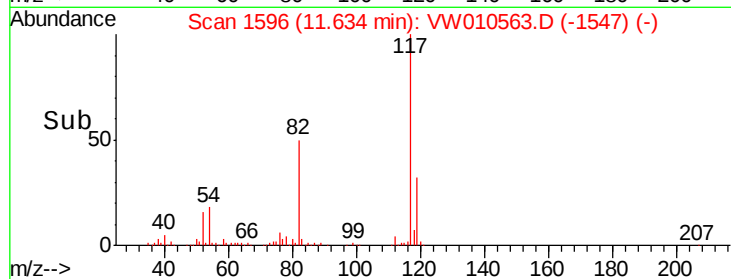
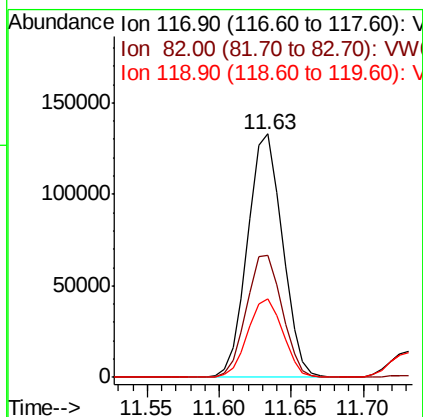
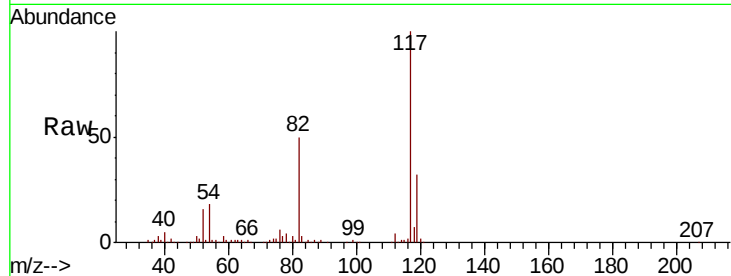




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010563.D
Acq: 28 May 2019 13:23

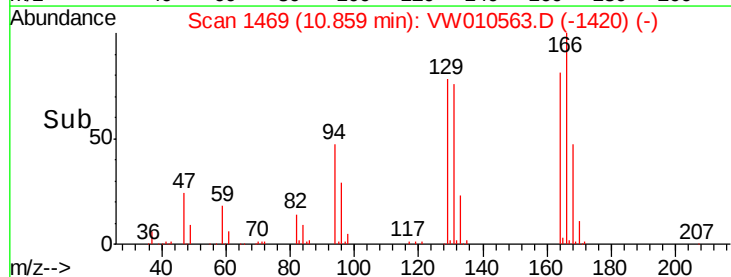
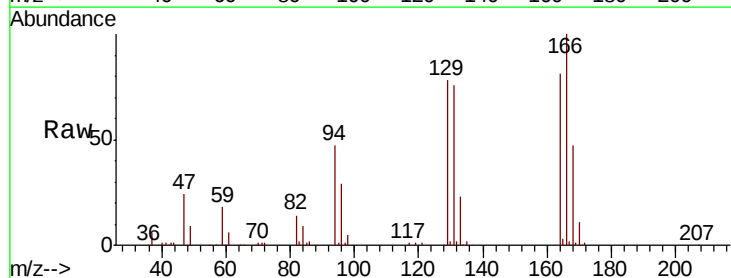
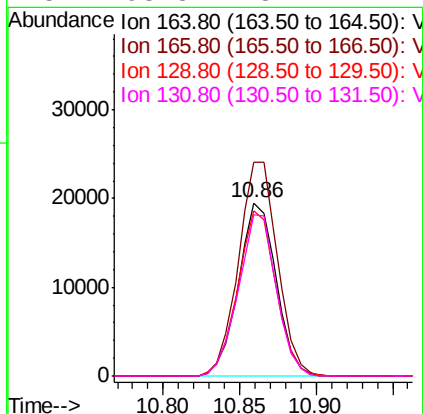
Instrument :
MSVOA_W
ClientSampleId :
VW0528SBSD01

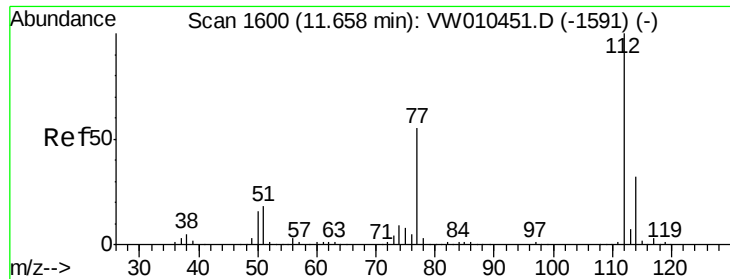
Tot Ion	Ratio	Lower	Upper
117	100		
82	49.9	42.8	64.2
119	32.1	26.3	39.5



#64
Tetrachloroethene
Concen: 21.409 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010563.D
Acq: 28 May 2019 13:23

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.3	101.9	152.9
129	95.7	80.6	121.0
131	93.3	78.2	117.2

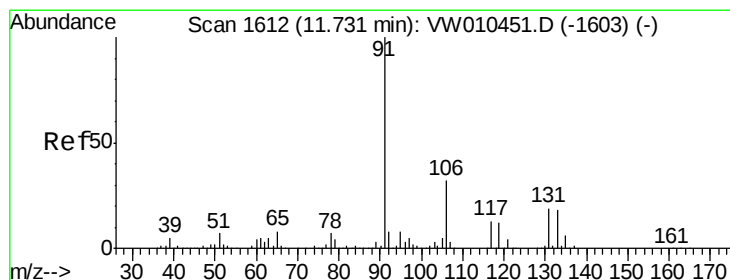
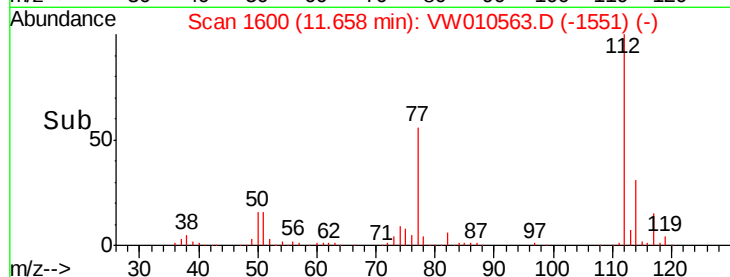
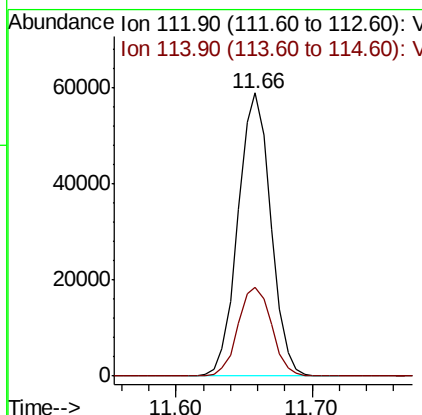
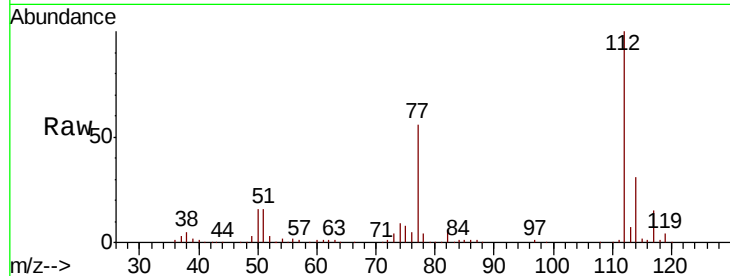




#65
Chlorobenzene
Concen: 20.848 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010563.D
Acq: 28 May 2019 13:23

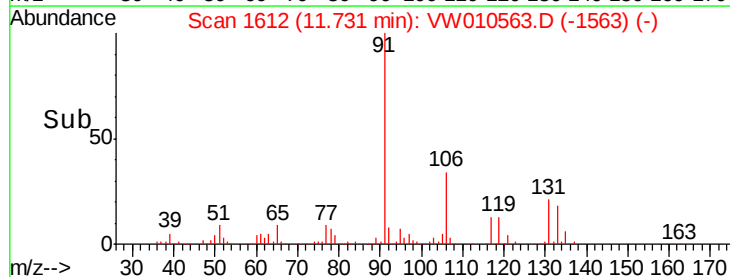
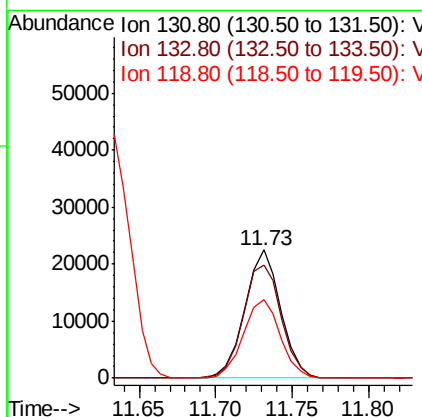
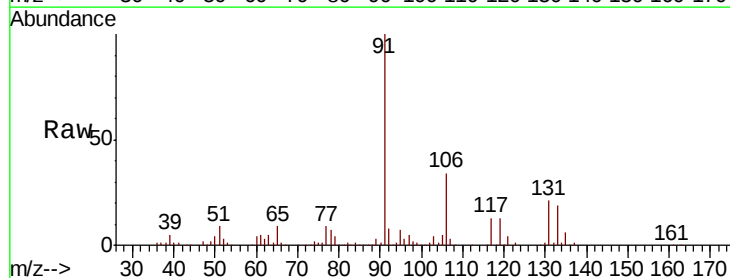
Instrument :
MSVOA_W
ClientSampleId :
VW0528SBSD01

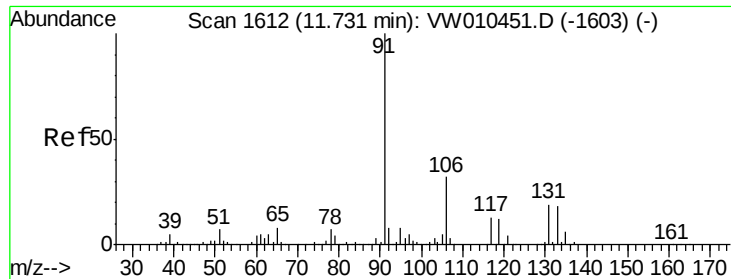
Tot Ion:112 Resp: 99167
Ion Ratio Lower Upper
112 100
114 31.4 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 21.462 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010563.D
Acq: 28 May 2019 13:23

Tgt Ion:131 Resp: 36570
Ion Ratio Lower Upper
131 100
133 93.9 47.3 141.9
119 63.2 32.1 96.5

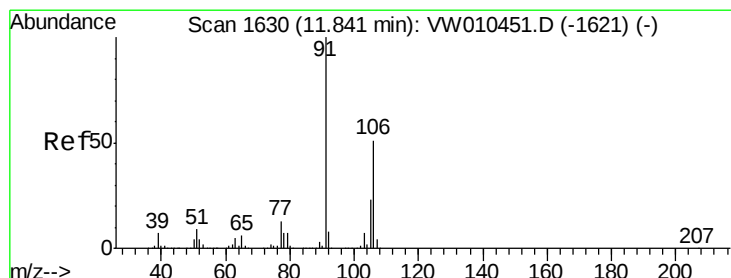
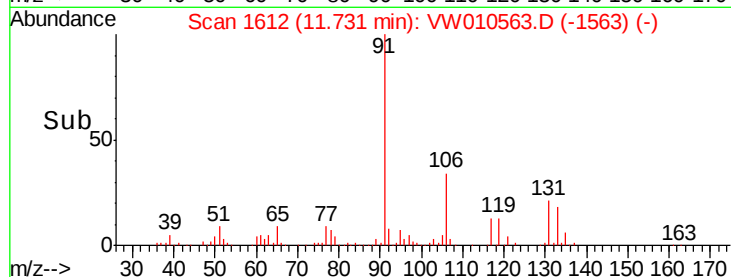
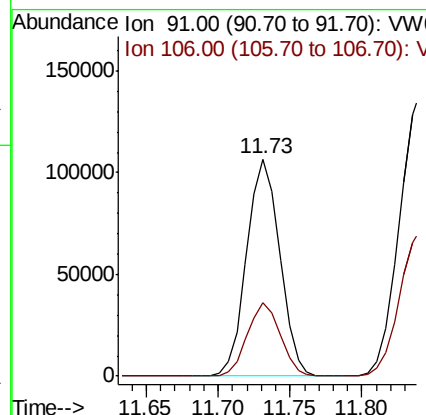
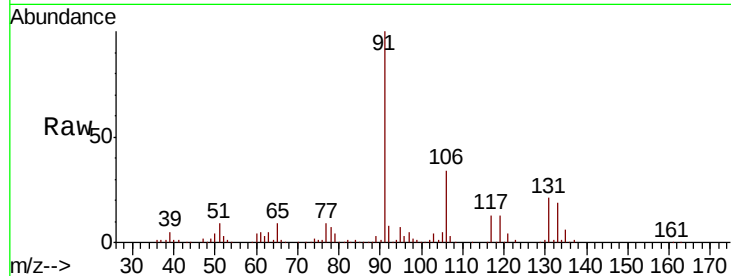




#67
Ethyl Benzene
Concen: 20.272 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010563.D
Acq: 28 May 2019 13:23

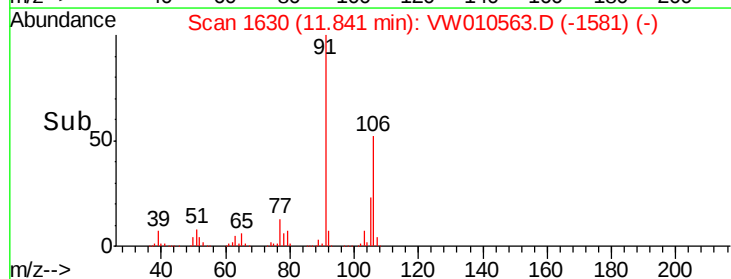
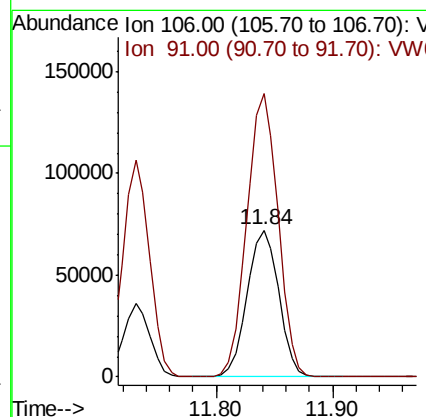
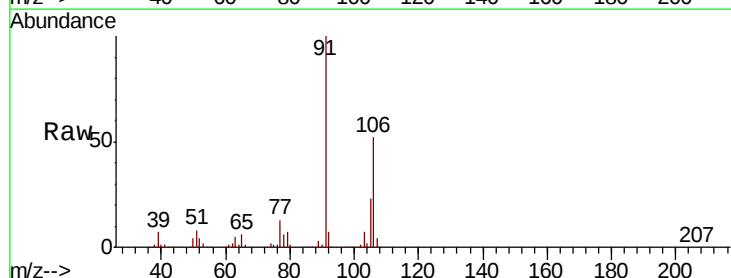
Instrument :
MSVOA_W
ClientSampleId :
VW0528SBSD01

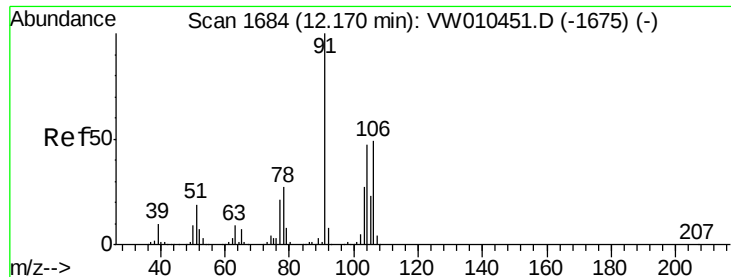
Tot Ion: 91 Resp: 170240
Ion Ratio Lower Upper
91 100
106 33.8 25.9 38.9



#68
m/p-Xylenes
Concen: 41.534 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010563.D
Acq: 28 May 2019 13:23

Tgt Ion:106 Resp: 136812
Ion Ratio Lower Upper
106 100
91 191.1 156.0 234.0

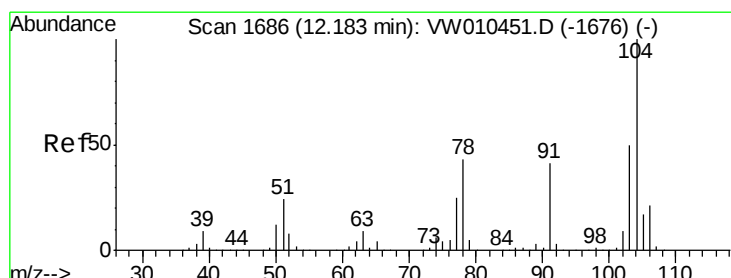
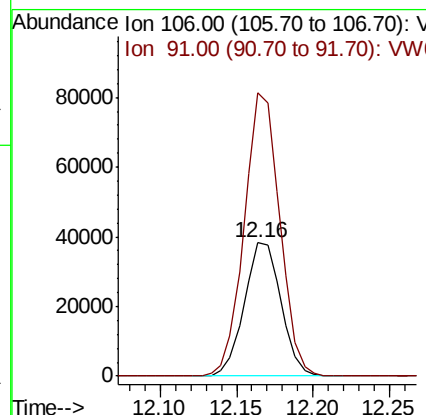
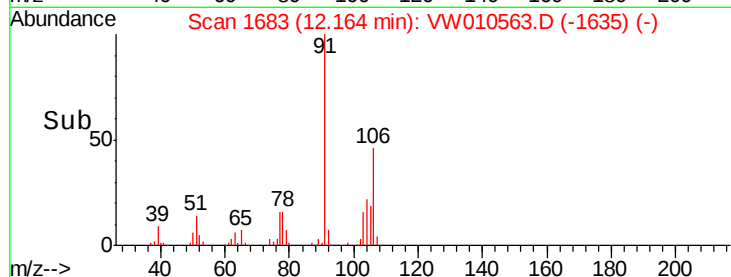
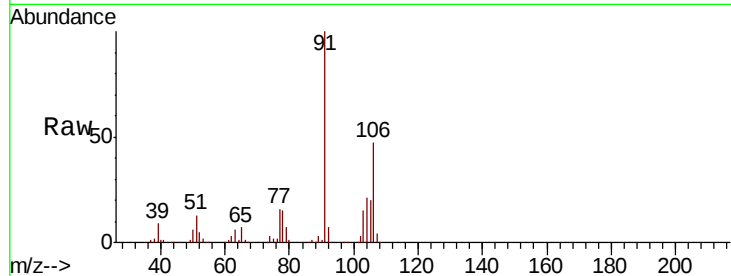




#69
o-Xylene
Concen: 20.447 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010563.D
Acq: 28 May 2019 13:23

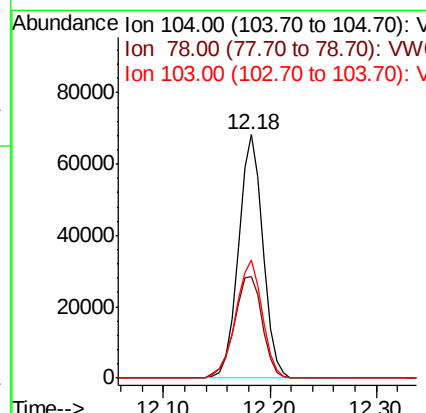
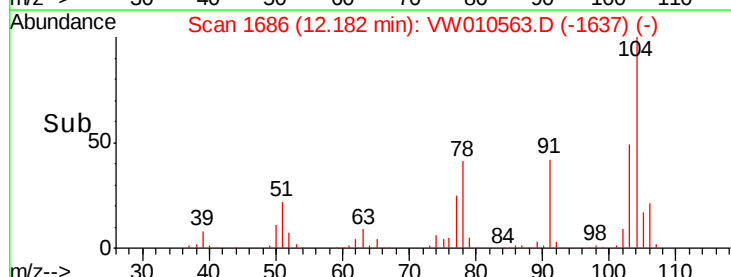
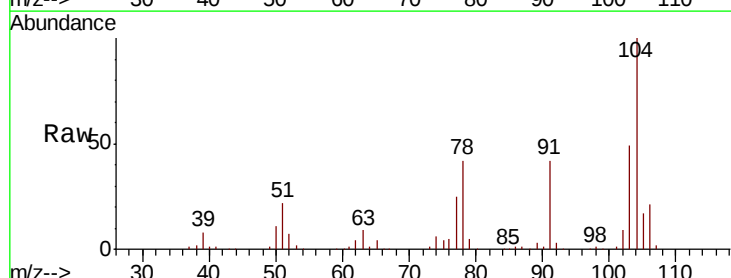
Instrument :
MSVOA_W
ClientSampleId :
VW0528SBSD01

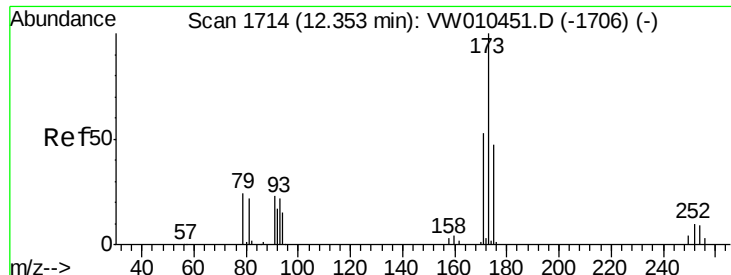
Tot Ion:106 Resp: 63812
Ion Ratio Lower Upper
106 100
91 205.7 103.2 309.4



#70
Styrene
Concen: 20.634 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010563.D
Acq: 28 May 2019 13:23

Tgt Ion:104 Resp: 109259
Ion Ratio Lower Upper
104 100
78 48.2 39.0 58.4
103 52.9 43.0 64.6





#71

Bromoform

Concen: 20.351 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW010563.D

Acq: 28 May 2019 13:23

Instrument :

MSVOA_W

ClientSampleId :

VW0528SBS01

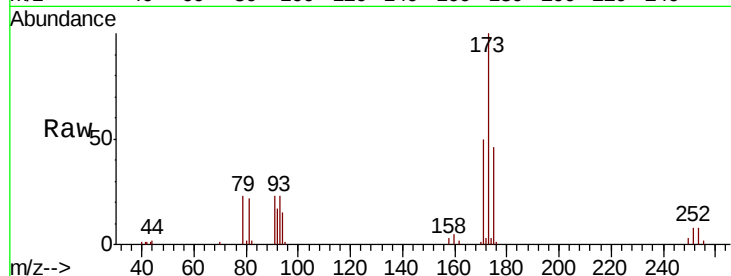
Tot Ion:173 Resp: 19096

Ion Ratio Lower Upper

173 100

175 47.8 24.4 73.4

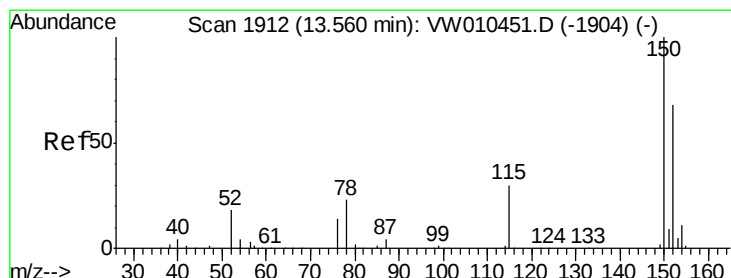
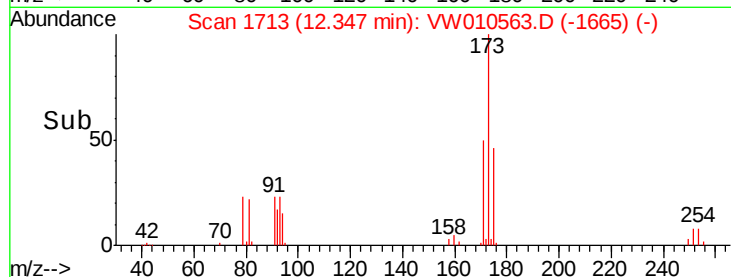
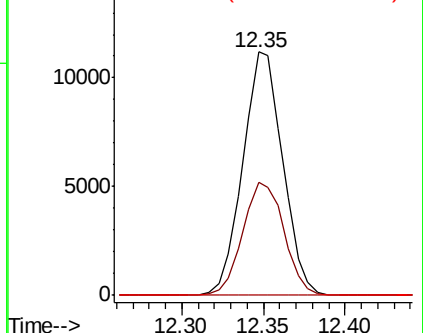
254 0.0 0.0 0.0



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: VW010563.D

Acq: 28 May 2019 13:23

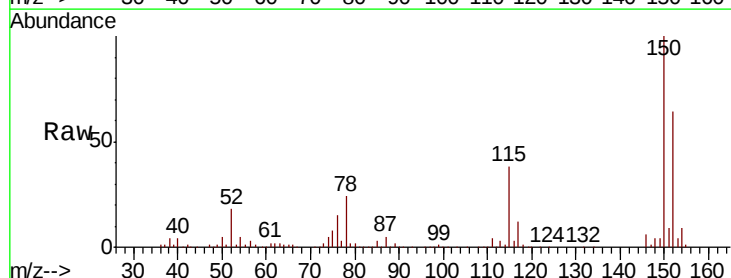
Tgt Ion:152 Resp: 111125

Ion Ratio Lower Upper

152 100

115 59.4 30.3 91.0

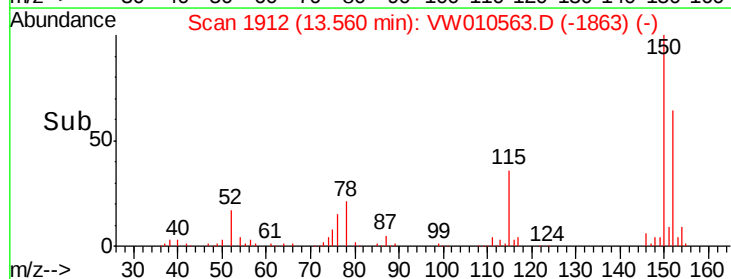
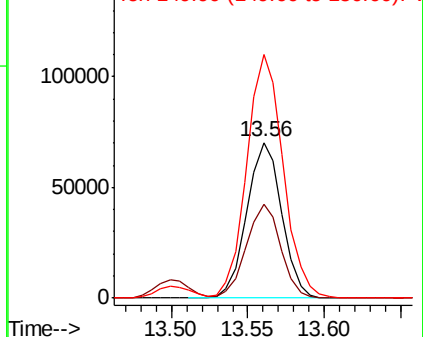
150 164.2 0.0 349.8

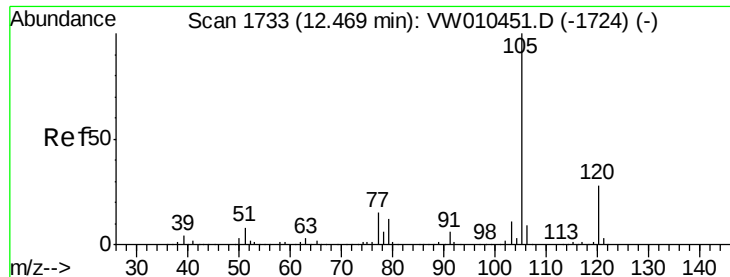


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.766 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW010563.D

Acq: 28 May 2019 13:23

Instrument :

MSVOA_W

ClientSampleId :

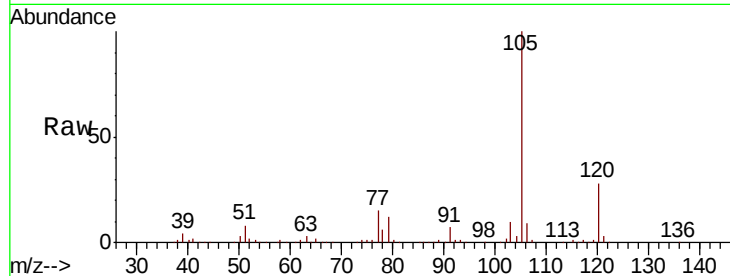
VW0528SBS01

Tot Ion: 105 Resp: 174297

Ion Ratio Lower Upper

105 100

120 28.1 13.9 41.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

120000

100000

80000

60000

40000

20000

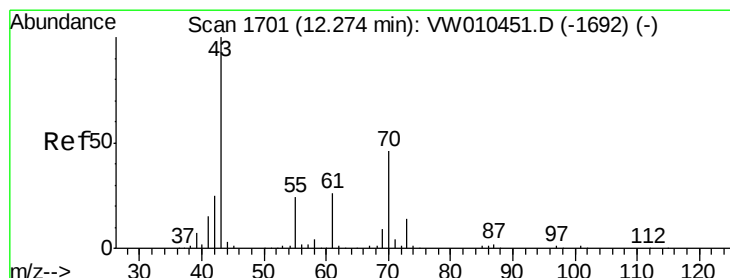
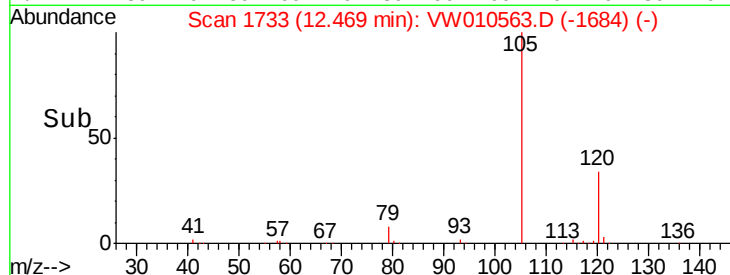
0

12.40

12.47

12.50

Time-->



#74

N-ethyl acetate

Concen: 17.661 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW010563.D

Acq: 28 May 2019 13:23

Tgt Ion: 43 Resp: 35688

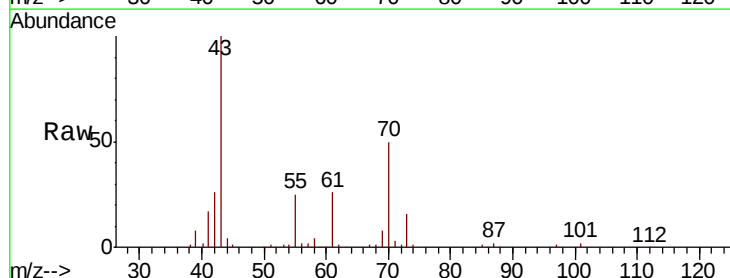
Ion Ratio Lower Upper

43 100

70 48.5 37.1 55.7

55 25.3 19.6 29.4

61 26.2 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

30000

20000

10000

0

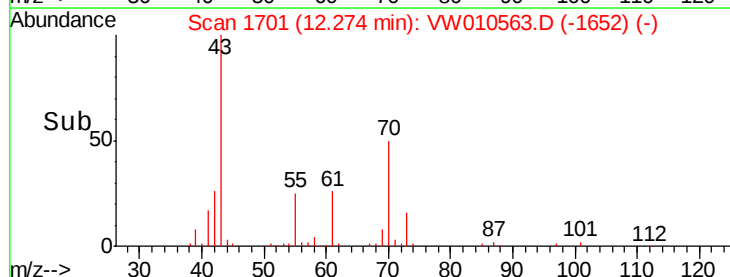
12.20

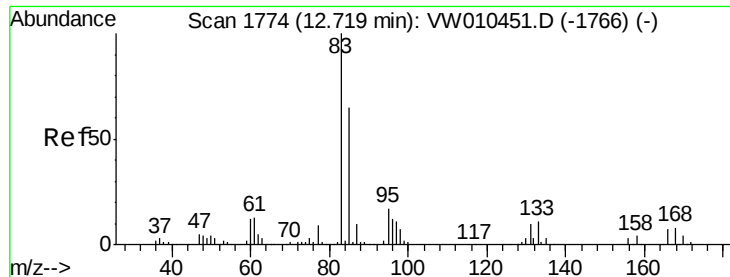
12.27

12.30

12.35

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 18.726 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW010563.D

Acq: 28 May 2019 13:23

Instrument :

MSVOA_W

ClientSampleId :

VW0528SBSD01

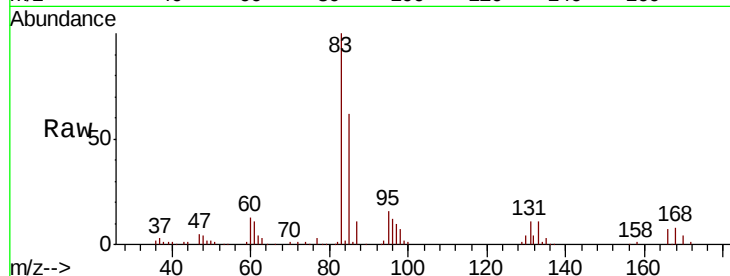
Tot Ion: 83 Resp: 30035

Ion Ratio Lower Upper

83 100

131 11.8 5.6 16.8

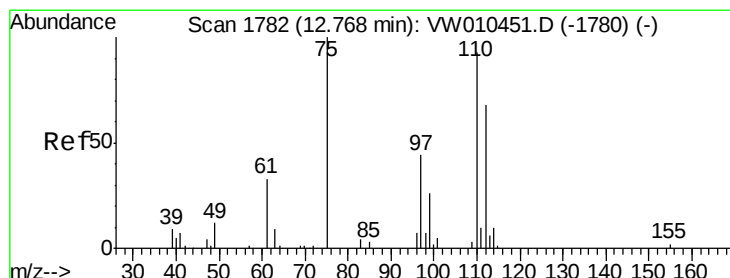
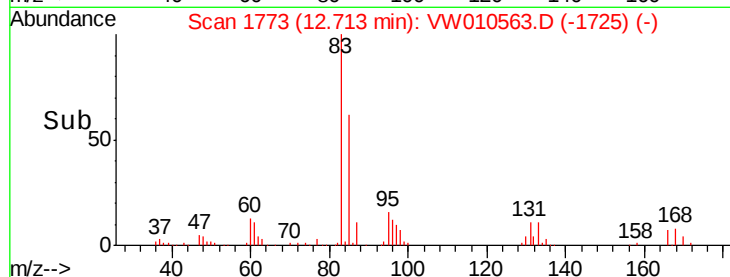
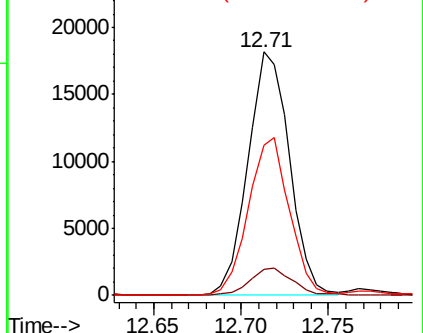
85 63.7 32.4 97.0



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: 35.015 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW010563.D

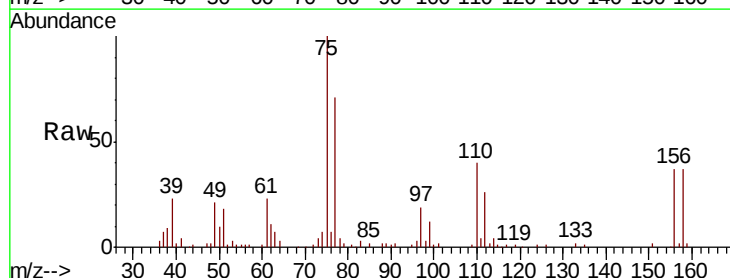
Acq: 28 May 2019 13:23

Tgt Ion: 75 Resp: 39497

Ion Ratio Lower Upper

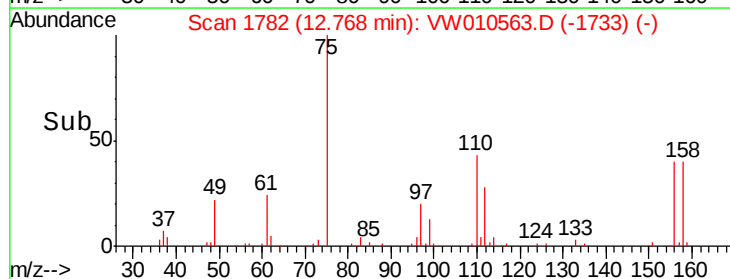
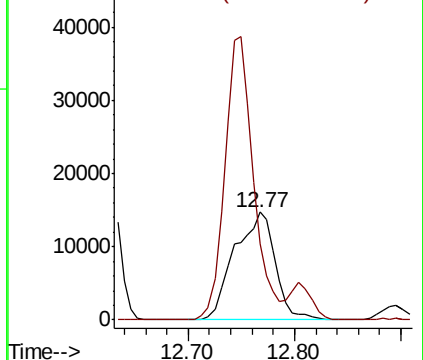
75 100

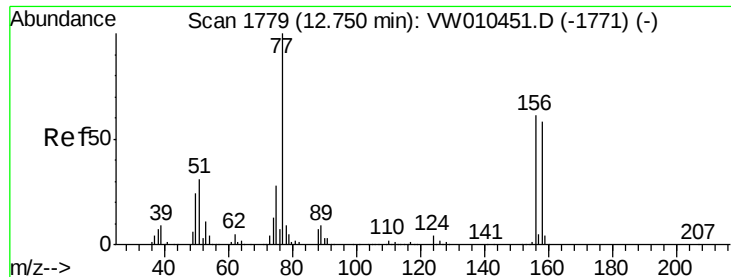
77 183.3 170.0 510.1



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 21.564 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010563.D

Acq: 28 May 2019 13:23

Instrument :

MSVOA_W

ClientSampleId :

VW0528SBSD01

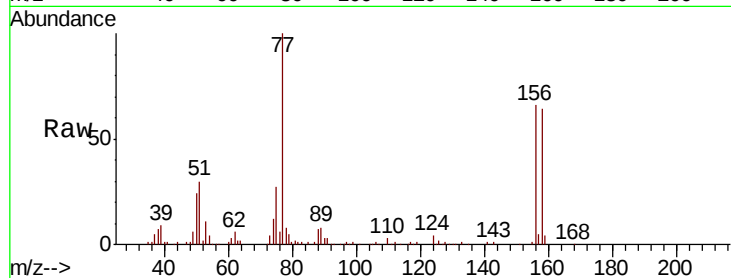
Tot Ion:156 Resp: 42553

Ion Ratio Lower Upper

156 100

77 170.1 92.4 277.2

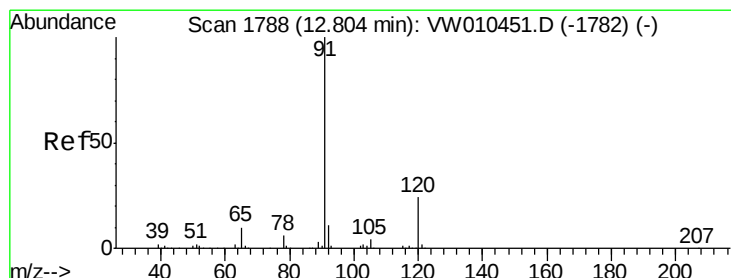
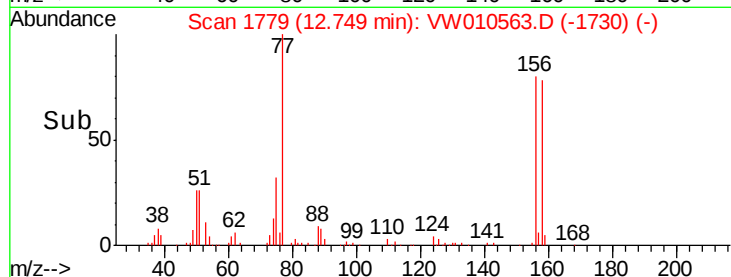
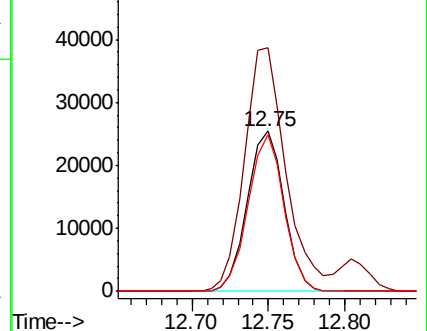
158 95.1 48.3 144.8



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: 19.363 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW010563.D

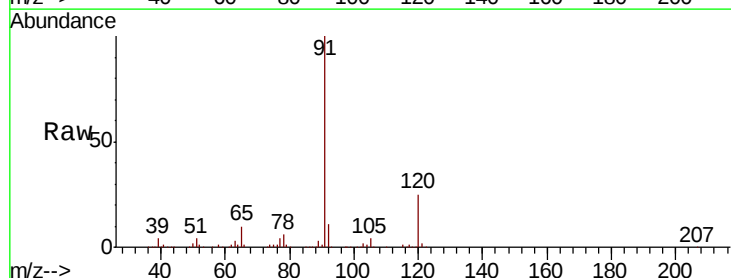
Acq: 28 May 2019 13:23

Tgt Ion: 91 Resp: 198979

Ion Ratio Lower Upper

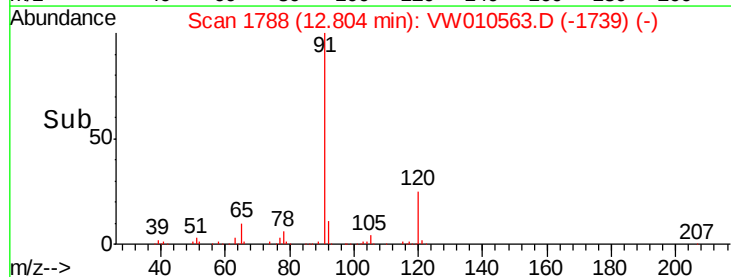
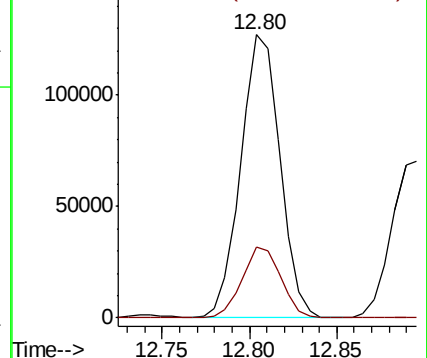
91 100

120 24.8 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

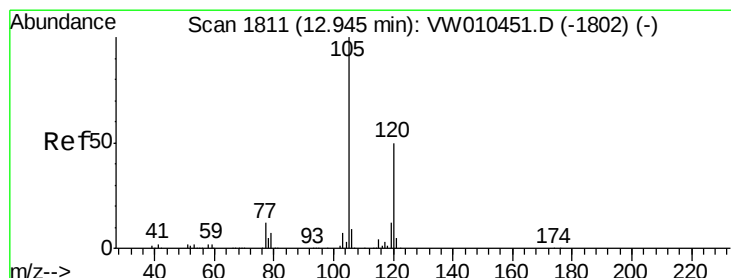
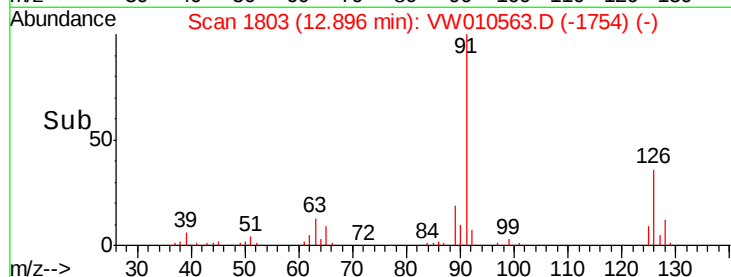
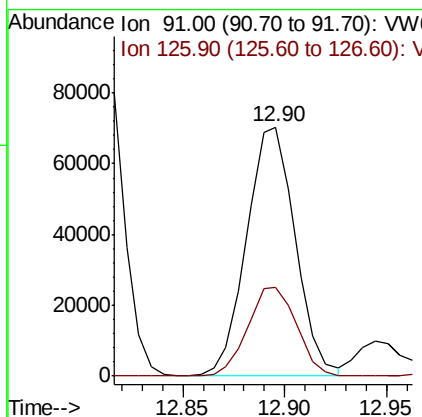
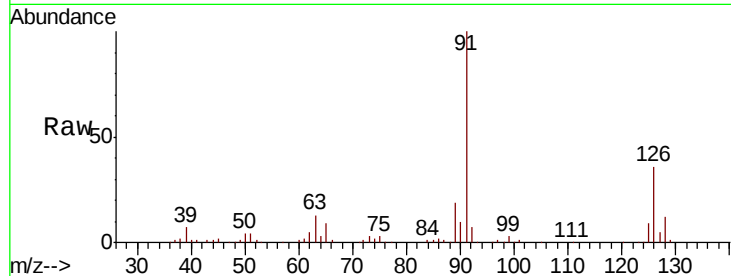




#79
2-Chlorotoluene
Concen: 19.617 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VW010563.D
Acq: 28 May 2019 13:23

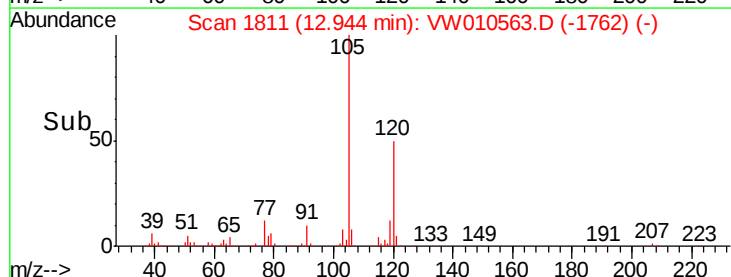
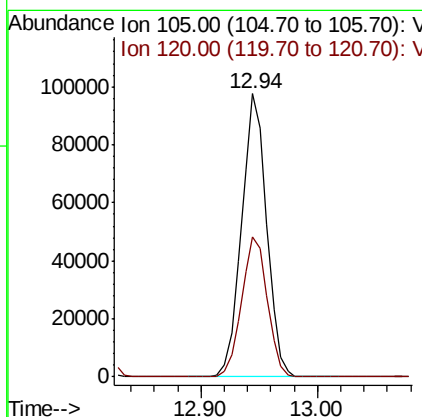
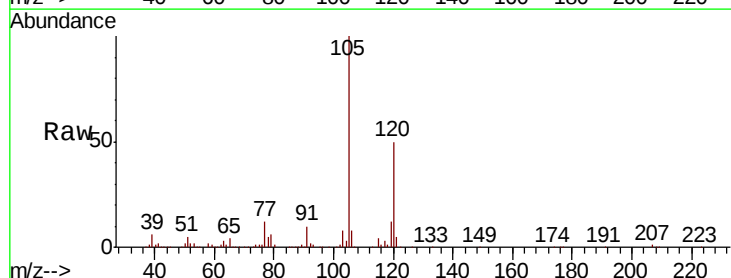
Instrument :
MSVOA_W
ClientSampleId :
VW0528SBSD01

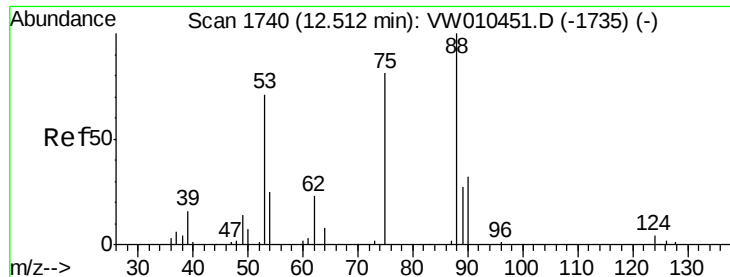
Tot Ion: 91 Resp: 116906
Ion Ratio Lower Upper
91 100
126 35.9 17.4 52.3



#80
1,3,5-Trimethylbenzene
Concen: 19.634 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VW010563.D
Acq: 28 May 2019 13:23

Tgt Ion:105 Resp: 146633
Ion Ratio Lower Upper
105 100
120 50.8 25.2 75.6





#81

trans-1,4-Dichloro-2-butene

Concen: 18.106 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW010563.D

Acq: 28 May 2019 13:23

Instrument :

MSVOA_W

ClientSampleId :

VW0528SBSD01

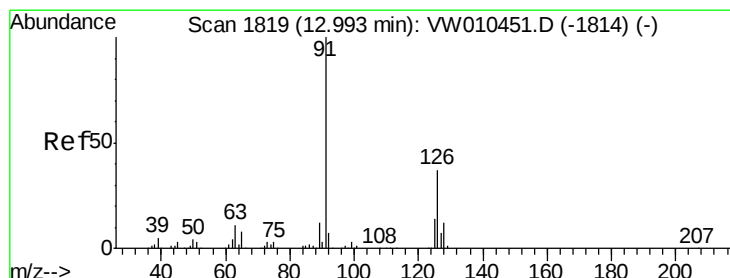
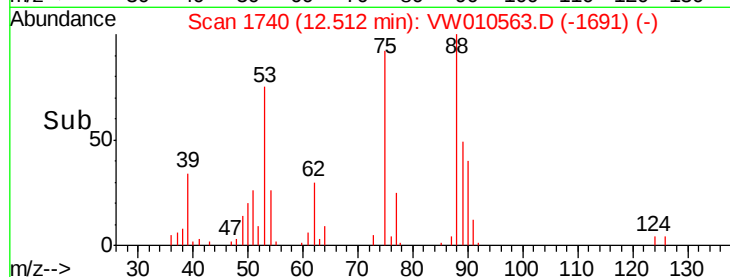
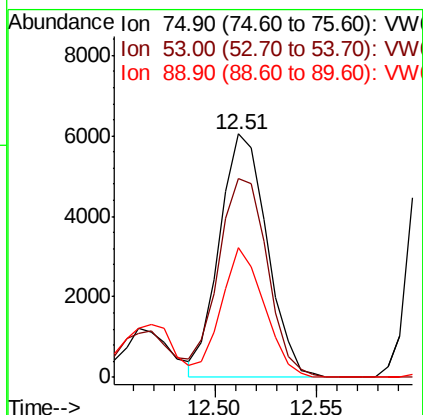
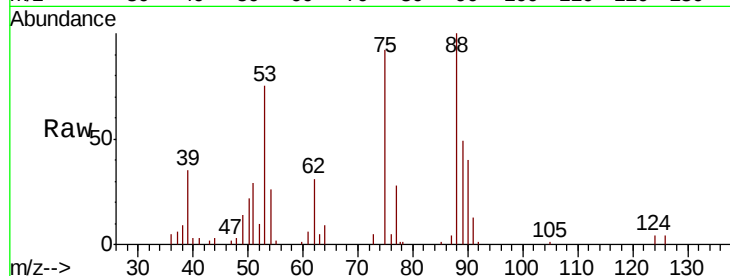
Tot Ion: 75 Resp: 9786

Ion Ratio Lower Upper

75 100

53 84.0 69.8 104.8

89 48.7 39.5 59.3



#82

4-Chlorotoluene

Concen: 19.628 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW010563.D

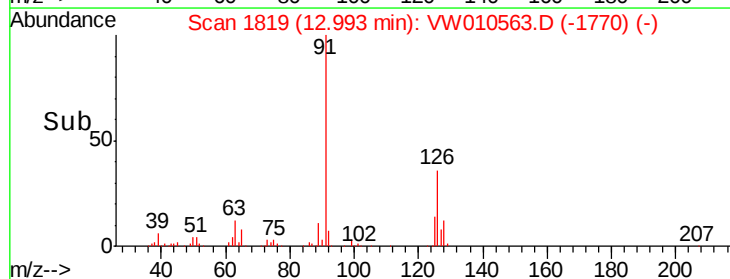
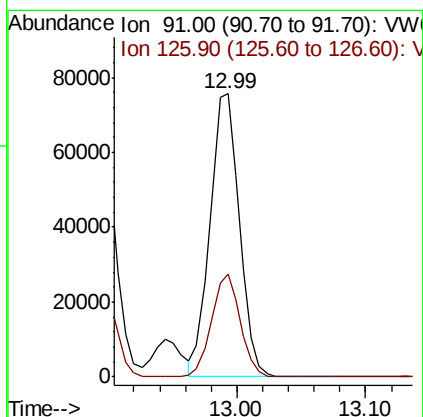
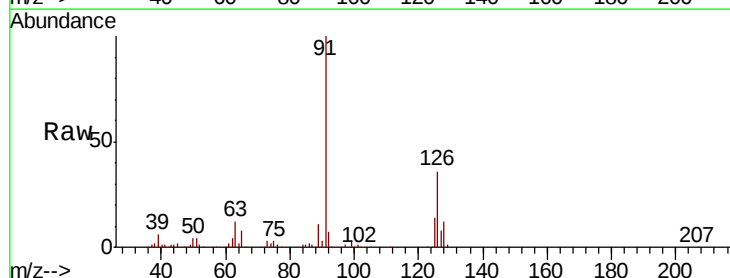
Acq: 28 May 2019 13:23

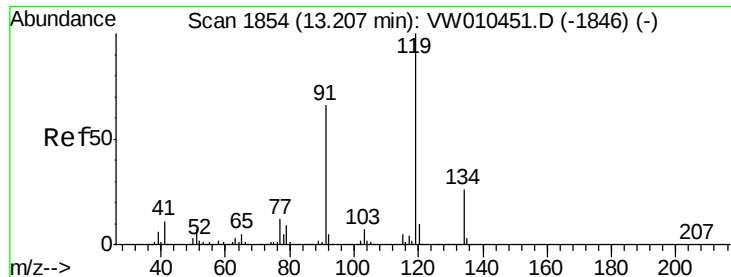
Tgt Ion: 91 Resp: 121416

Ion Ratio Lower Upper

91 100

126 35.4 17.5 52.6





#83

tert-Butylbenzene

Concen: 19.820 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VW010563.D

Acq: 28 May 2019 13:23

Instrument :

MSVOA_W

ClientSampleID :

VW0528SBSD01

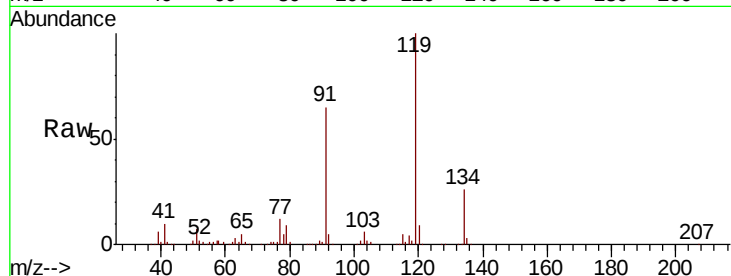
Tot Ion:119 Resp: 129300

Ion Ratio Lower Upper

119 100

91 66.1 33.1 99.5

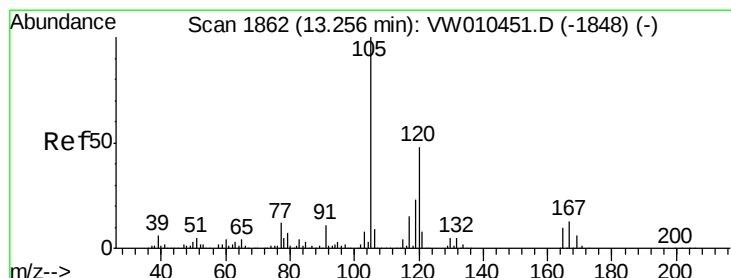
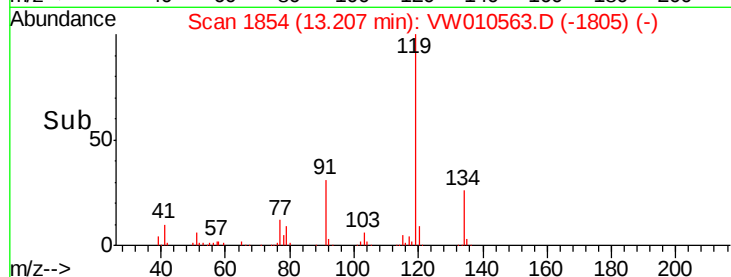
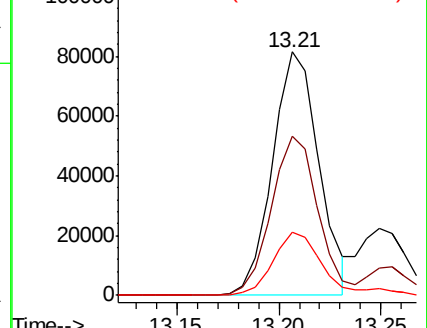
134 28.1 13.9 41.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 19.500 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. -0.00 min

Lab File: VW010563.D

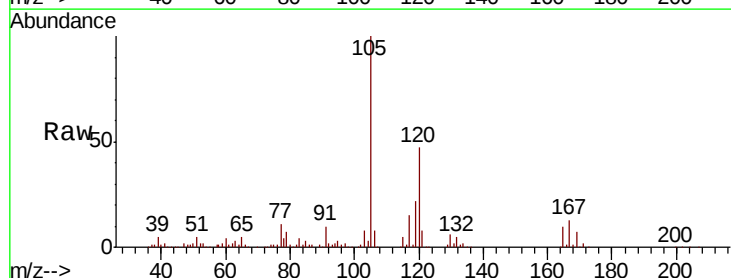
Acq: 28 May 2019 13:23

Tgt Ion:105 Resp: 145049

Ion Ratio Lower Upper

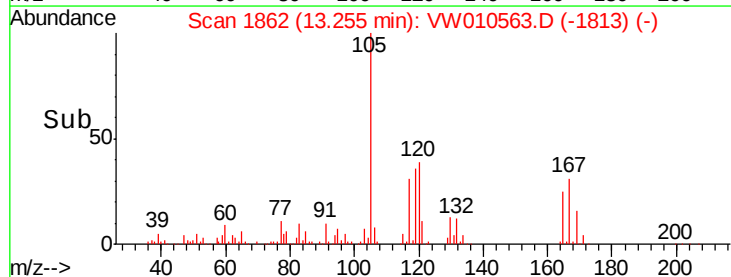
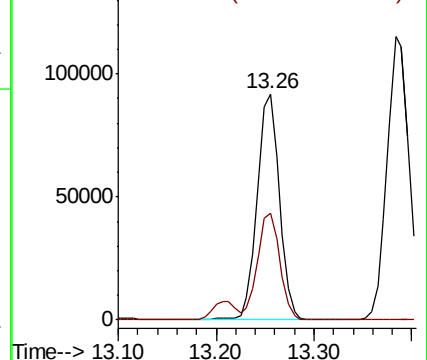
105 100

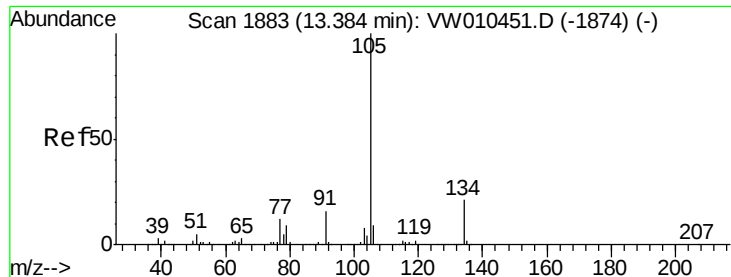
120 47.5 23.4 70.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.597 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW010563.D

Acq: 28 May 2019 13:23

Instrument :

MSVOA_W

ClientSampleId :

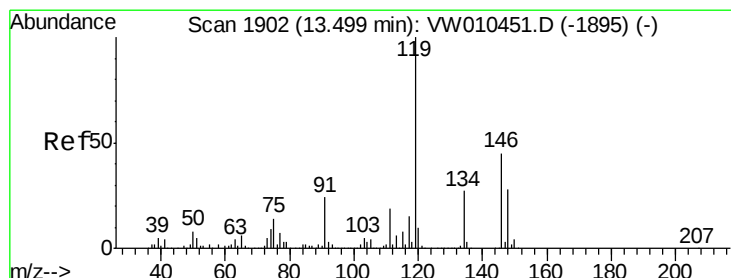
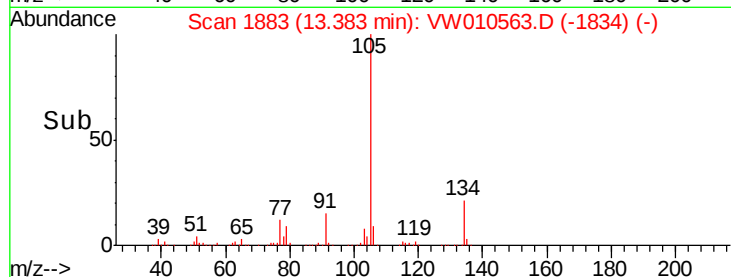
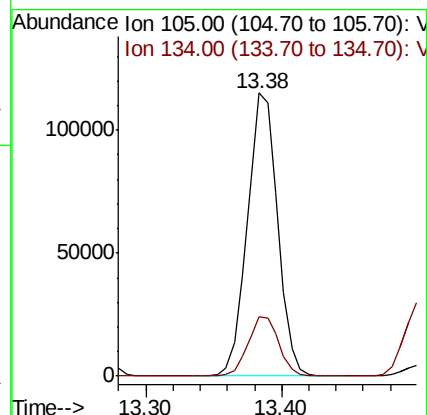
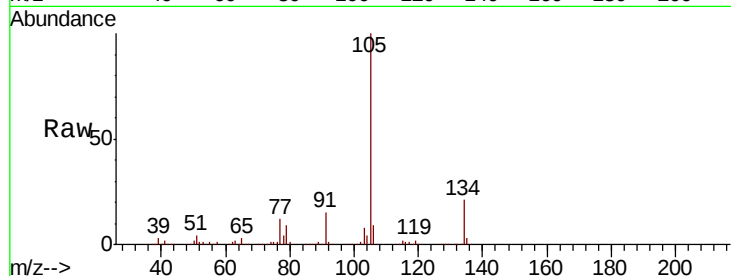
VW0528SBSD01

Tot Ion:105 Resp: 178908

Ion Ratio Lower Upper

105 100

134 21.3 10.5 31.6



#86

p-Isopropyltoluene

Concen: 19.821 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010563.D

Acq: 28 May 2019 13:23

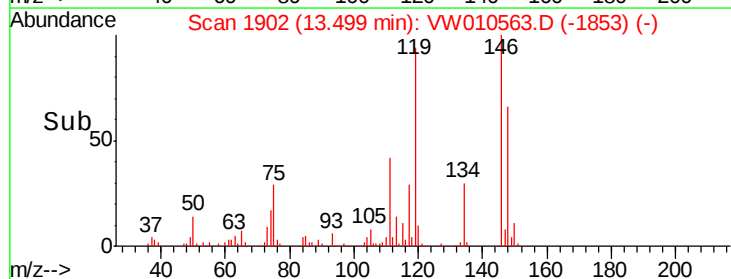
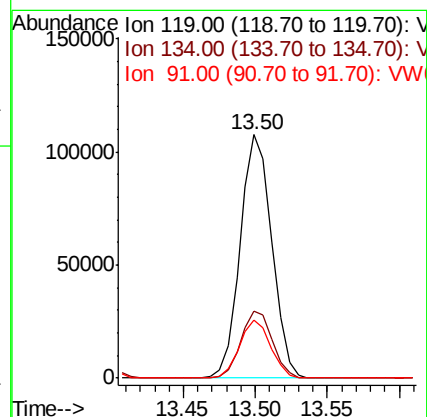
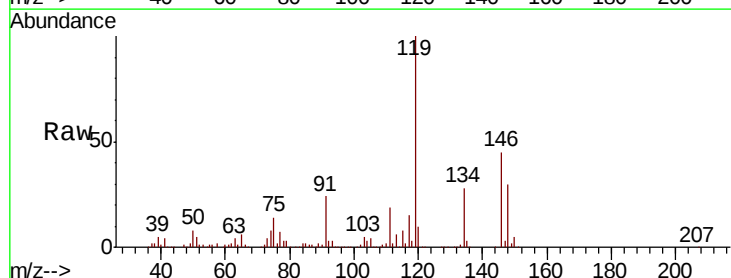
Tgt Ion:119 Resp: 163789

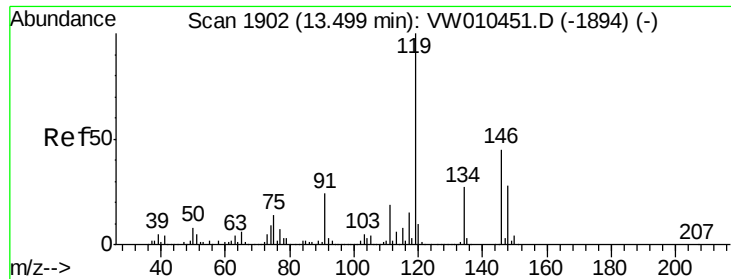
Ion Ratio Lower Upper

119 100

134 27.6 13.6 40.7

91 23.4 11.9 35.7





#87

1,3-Dichlorobenzene

Concen: 20.594 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010563.D

Acq: 28 May 2019 13:23

Instrument :

MSVOA_W

ClientSampleId :

VW0528SBSD01

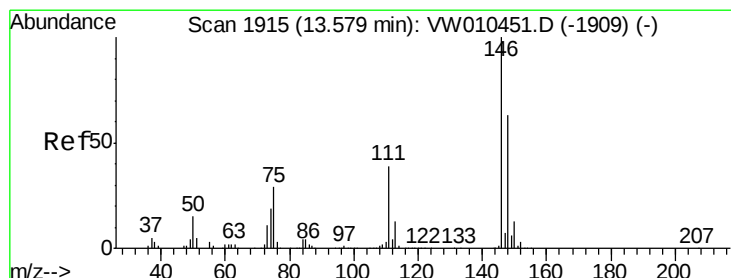
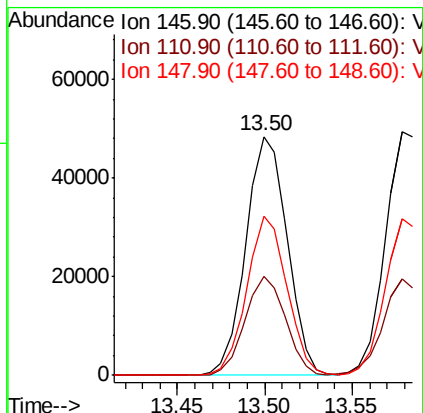
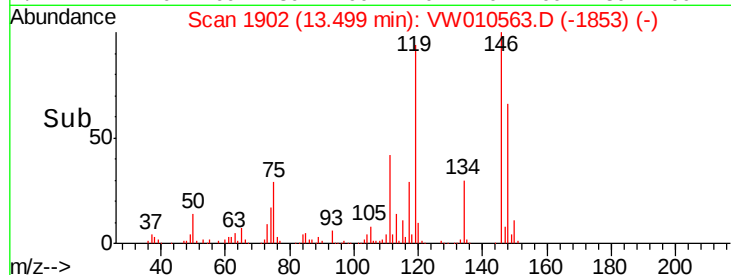
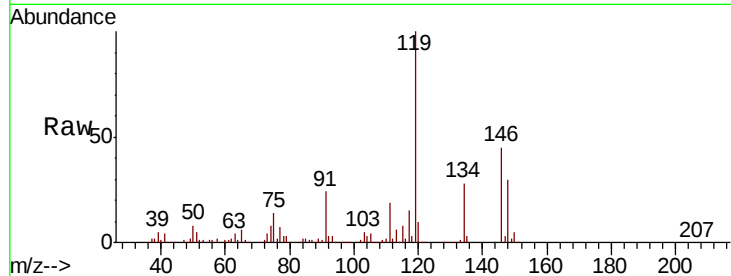
Tot Ion:146 Resp: 79730

Ion Ratio Lower Upper

146 100

111 40.8 20.3 60.9

148 64.7 31.6 94.8



#88

1,4-Dichlorobenzene

Concen: 20.662 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW010563.D

Acq: 28 May 2019 13:23

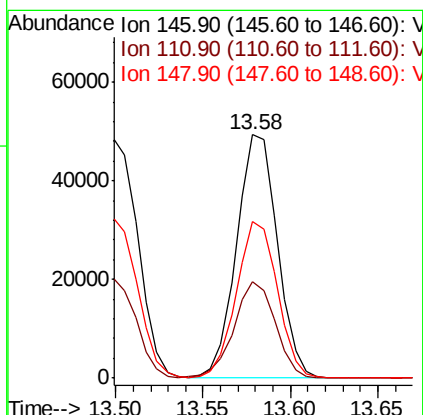
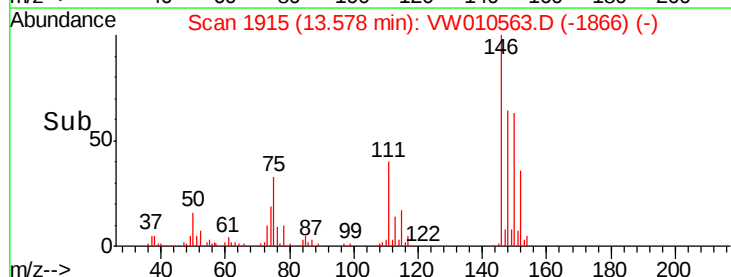
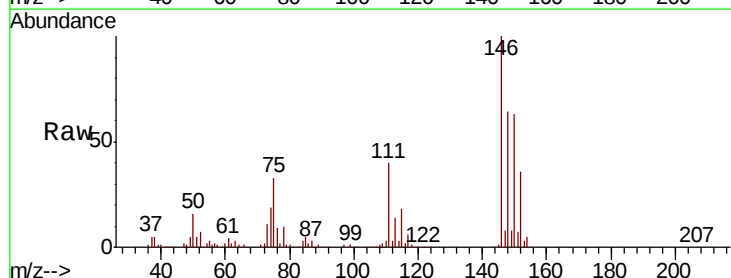
Tgt Ion:146 Resp: 80259

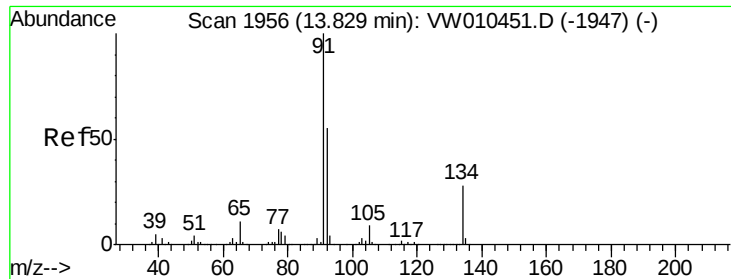
Ion Ratio Lower Upper

146 100

111 40.2 19.9 59.6

148 64.5 31.6 94.8





#89

n-Butylbenzene

Concen: 19.199 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW010563.D

Acq: 28 May 2019 13:23

Instrument :

MSVOA_W

ClientSampleId :

VW0528SBS01

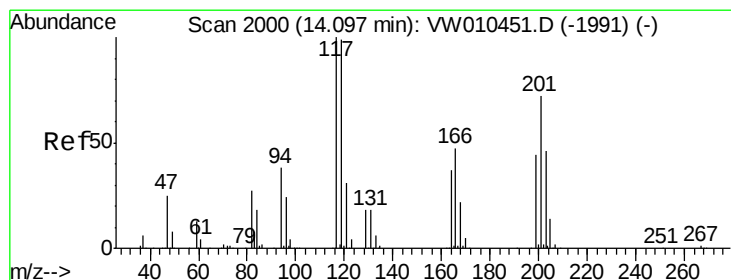
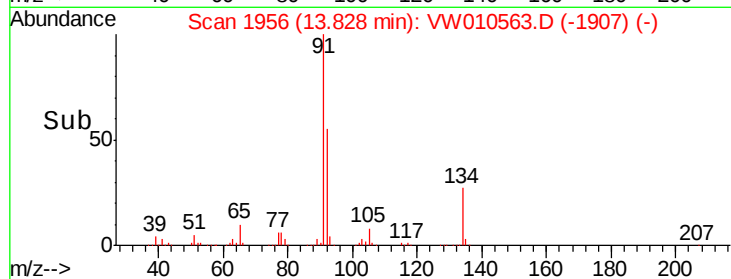
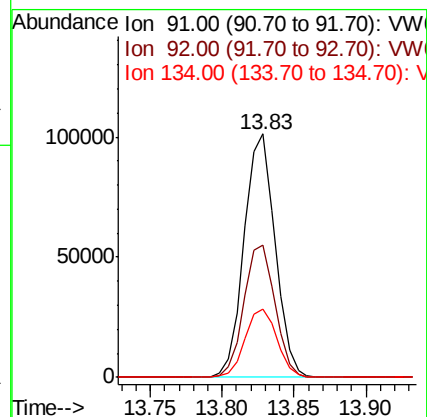
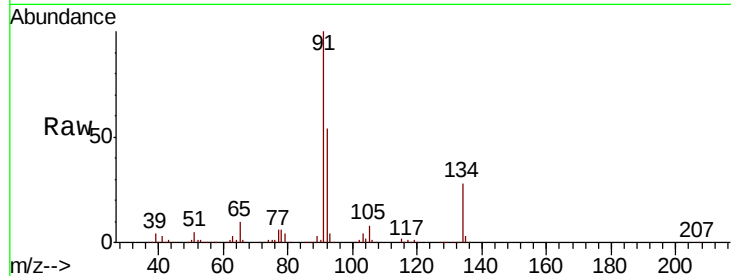
Tot Ion: 91 Resp: 150903

Ion Ratio Lower Upper

91 100

92 54.8 27.7 83.1

134 28.9 13.9 41.6



#90

Hexachloroethane

Concen: 19.565 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW010563.D

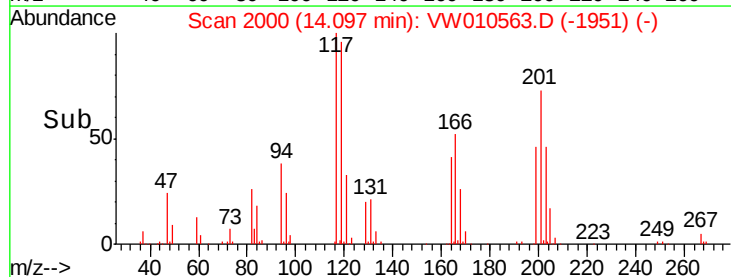
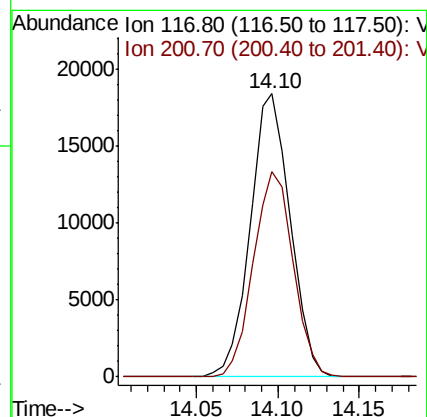
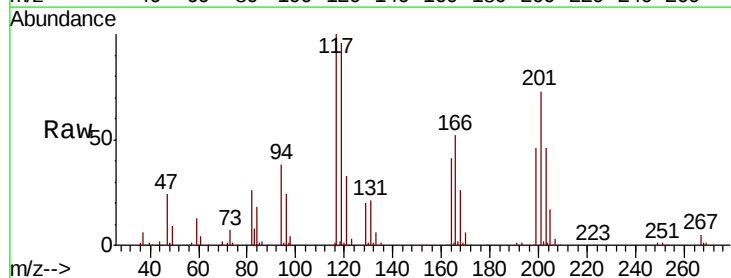
Acq: 28 May 2019 13:23

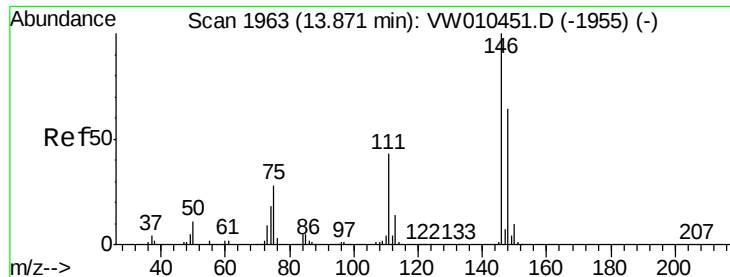
Tgt Ion: 117 Resp: 31293

Ion Ratio Lower Upper

117 100

201 72.3 34.6 103.8





#91

1,2-Dichlorobenzene

Concen: 20.551 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW010563.D

Acq: 28 May 2019 13:23

Instrument :

MSVOA_W

ClientSampleId :

VW0528SBSD01

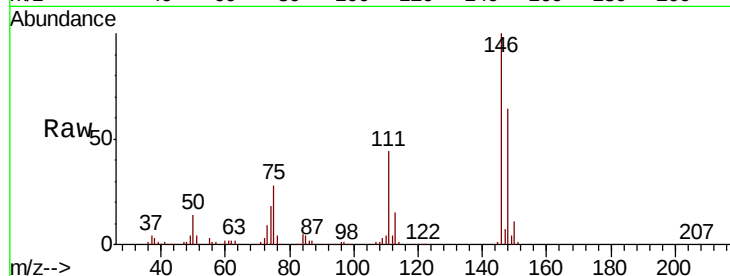
Tot Ion:146 Resp: 72496

Ion Ratio Lower Upper

146 100

111 42.7 21.3 64.0

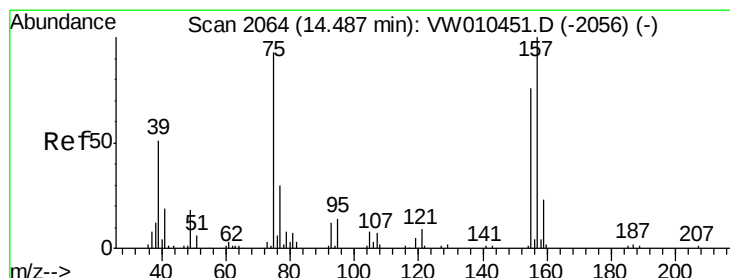
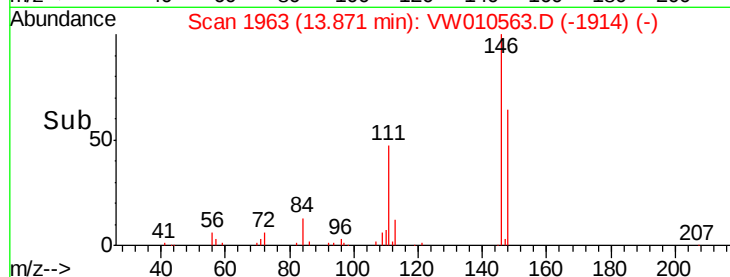
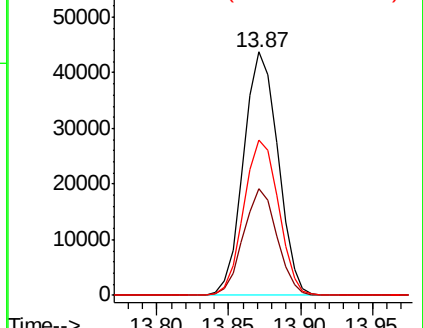
148 64.3 32.0 96.0



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: 17.422 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW010563.D

Acq: 28 May 2019 13:23

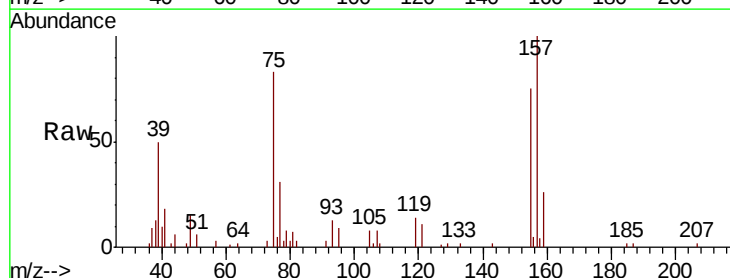
Tgt Ion: 75 Resp: 5196

Ion Ratio Lower Upper

75 100

155 92.0 43.0 129.0

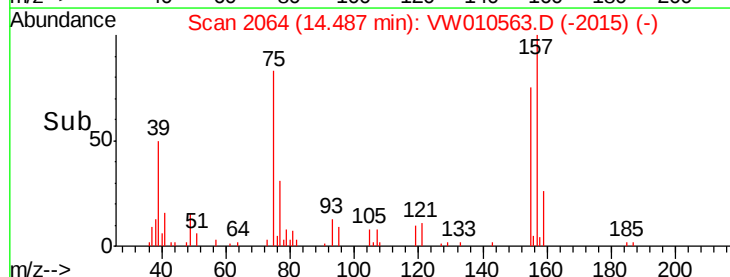
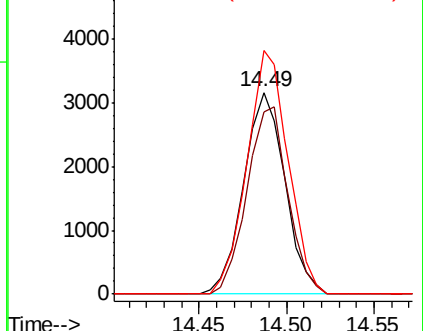
157 120.1 55.7 167.1

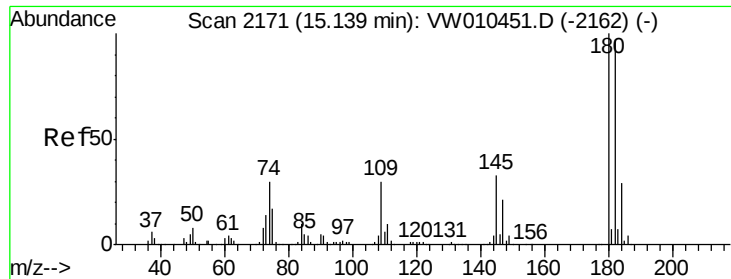


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

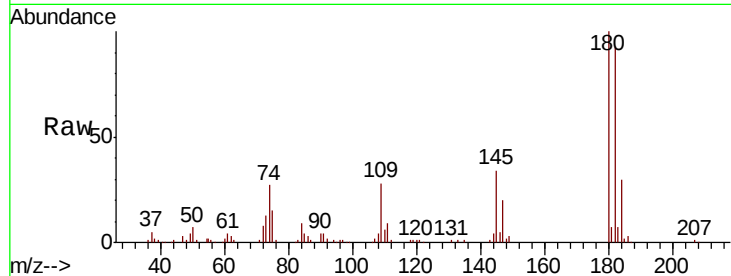




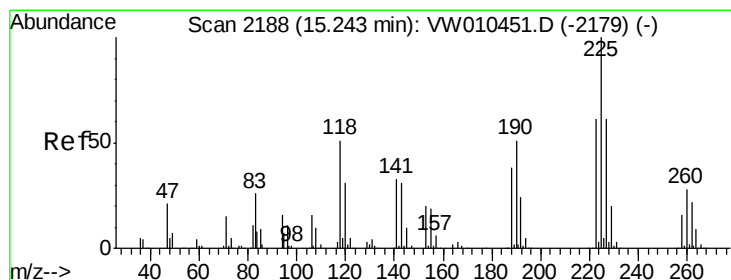
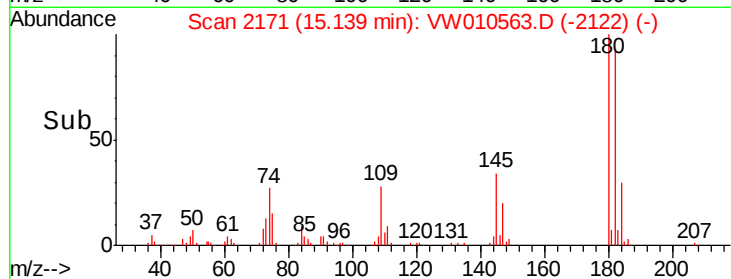
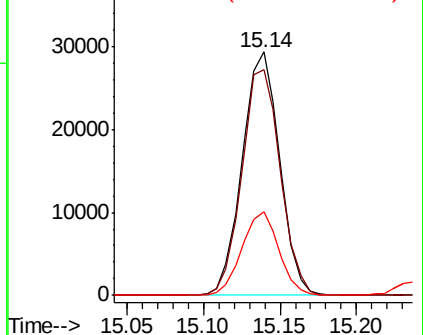
#93
 1,2,4-Trichlorobenzene
 Concen: 20.817 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010563.D
 Acq: 28 May 2019 13:23

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0528SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.0	141.2
145	33.8	16.7	50.0

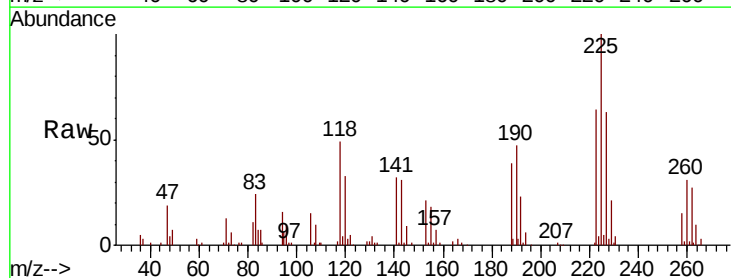


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

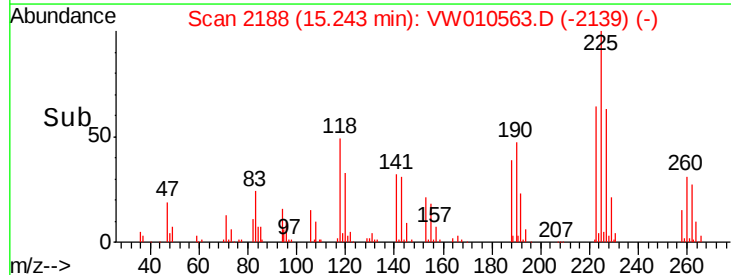
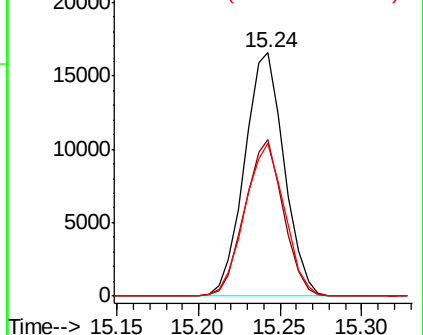


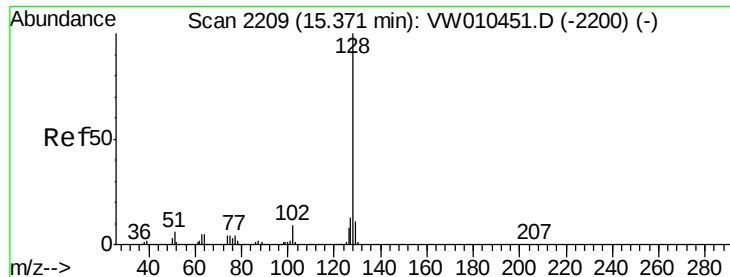
#94
 Hexachlorobutadiene
 Concen: 21.775 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW010563.D
 Acq: 28 May 2019 13:23

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.1	93.2
227	62.9	31.1	93.5



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





#95

Naphthalene

Concen: 18.997 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW010563.D

Acq: 28 May 2019 13:23

Instrument :

MSVOA_W

ClientSampleId :

VW0528SBSD01

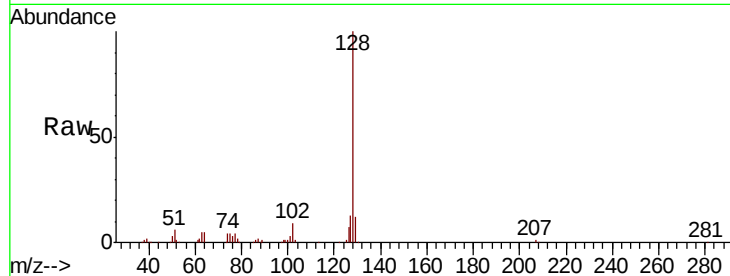
Tot Ion:128 Resp: 95712

Ion Ratio Lower Upper

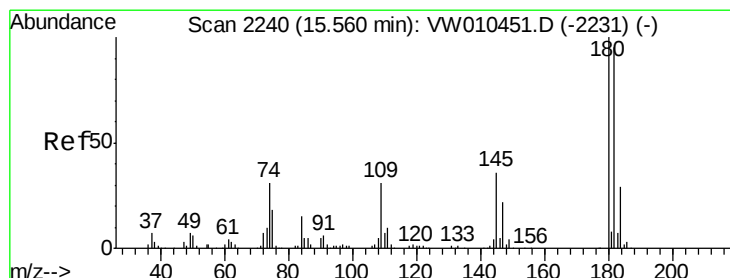
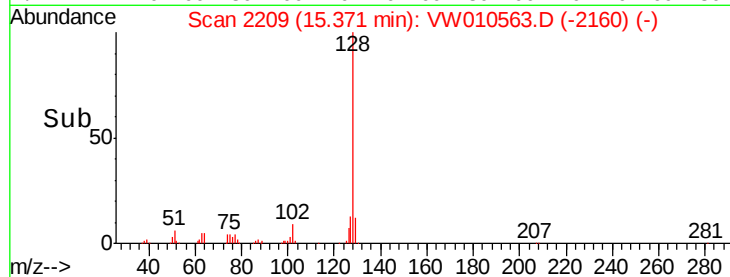
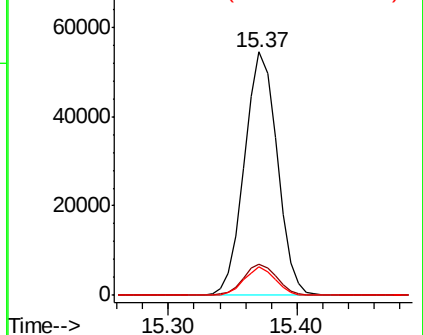
128 100

127 12.9 10.6 15.8

129 11.2 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.867 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW010563.D

Acq: 28 May 2019 13:23

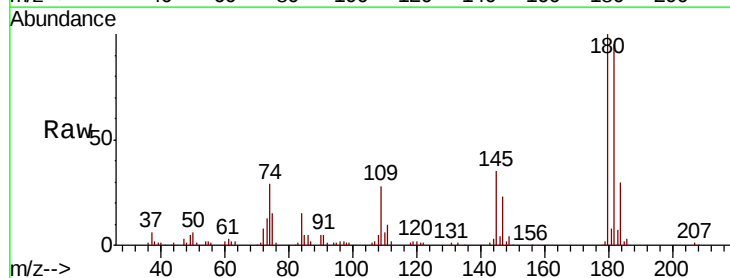
Tgt Ion:180 Resp: 43096

Ion Ratio Lower Upper

180 100

182 95.2 47.1 141.3

145 34.2 17.4 52.3



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

