

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052819\
 Data File : VW010562.D
 Acq On : 28 May 2019 12:56
 Operator : SY/VA
 Sample : VW0528SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0528SBS01

Quant Time: May 29 06:59:20 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	151573	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	245856	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	219407	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	109096	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	72660	46.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.88%	
35) Dibromofluoromethane	7.88	113	78916	52.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.80%	
50) Toluene-d8	10.32	98	305948	53.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.36%	
62) 4-Bromofluorobenzene	12.62	95	115840	51.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	21113	15.442	ug/l	97
3) Chloromethane	2.21	50	25040	15.723	ug/l	100
4) Vinyl Chloride	2.35	62	28622	15.516	ug/l	100
5) Bromomethane	2.75	94	20865	16.442	ug/l	97
6) Chloroethane	2.90	64	21401	18.073	ug/l	95
7) Trichlorofluoromethane	3.25	101	52537	19.291	ug/l	98
8) Diethyl Ether	3.68	74	15365	17.798	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.05	101	33144	19.762	ug/l	96
10) Methyl Iodide	4.27	142	31116	16.232	ug/l	97
11) Tert butyl alcohol	5.15	59	18182	129.203	ug/l #	91
12) 1,1-Dichloroethene	4.03	96	31087	19.417	ug/l	97
13) Acrolein	3.89	56	7273	72.890	ug/l	98
14) Allyl chloride	4.67	41	43629	18.826	ug/l	100
15) Acrylonitrile	5.37	53	29620	81.925	ug/l	98
16) Acetone	4.12	43	27103	84.870	ug/l	98
17) Carbon Disulfide	4.37	76	83662	17.519	ug/l	100
18) Methyl Acetate	4.67	43	14138	18.102	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	72838	17.846	ug/l	93
20) Methylene Chloride	4.92	84	34277	14.714	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	34981	19.049	ug/l	98
22) Diisopropyl ether	6.31	45	86992	18.307	ug/l	99
23) Vinyl Acetate	6.25	43	240728	84.808	ug/l	100
24) 1,1-Dichloroethane	6.21	63	55437	19.550	ug/l	99
25) 2-Butanone	7.16	43	40176	87.909	ug/l	98
26) 2,2-Dichloropropane	7.16	77	58004	21.474	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	39145	19.607	ug/l	98
28) Bromochloromethane	7.51	49	20383	20.076	ug/l	92
29) Tetrahydrofuran	7.53	42	24460	79.094	ug/l	99
30) Chloroform	7.68	83	59744	19.533	ug/l	99
31) Cyclohexane	7.95	56	54089	18.209	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	57463	19.656	ug/l	98
36) 1,1-Dichloropropene	8.08	75	47190	20.605	ug/l	99
37) Ethyl Acetate	7.26	43	17195	17.655	ug/l	98
38) Carbon Tetrachloride	8.07	117	53465	21.640	ug/l	97

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Quant Time: May 29 06:59:20 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	63484	20.689	ug/l	99
40) Benzene	8.32	78	132827	20.866	ug/l	100
41) Methacrylonitrile	7.48	41	10970	18.957	ug/l	90
42) 1,2-Dichloroethane	8.40	62	36015	19.795	ug/l	100
43) Isopropyl Acetate	8.42	43	34397	17.678	ug/l	98
44) Trichloroethene	9.09	130	40503	21.432	ug/l	98
45) 1,2-Dichloropropane	9.37	63	30799	20.372	ug/l	98
46) Dibromomethane	9.46	93	17563	19.864	ug/l	95
47) Bromodichloromethane	9.65	83	44351	19.961	ug/l	100
48) Methyl methacrylate	9.44	41	15440	17.346	ug/l	97
49) 1,4-Dioxane	9.45	88	5065	350.684	ug/l #	93
51) 4-Methyl-2-Pentanone	10.21	43	83716	84.910	ug/l	99
52) Toluene	10.39	92	89723	20.988	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	43562	19.359	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	51386	19.995	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	25024	19.682	ug/l	98
56) Ethyl methacrylate	10.65	69	31117	17.746	ug/l	98
57) 1,3-Dichloropropane	10.93	76	42131	19.782	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	67075	86.361	ug/l	98
59) 2-Hexanone	10.97	43	58769	83.560	ug/l	98
60) Dibromochloromethane	11.13	129	31750	19.731	ug/l	99
61) 1,2-Dibromoethane	11.24	107	24842	19.288	ug/l	97
64) Tetrachloroethene	10.86	164	34364	22.468	ug/l	96
65) Chlorobenzene	11.66	112	100315	21.453	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	37063	22.126	ug/l	99
67) Ethyl Benzene	11.73	91	173731	21.044	ug/l	99
68) m/p-Xylenes	11.84	106	139285	43.013	ug/l	98
69) o-Xylene	12.17	106	65015	21.191	ug/l	98
70) Styrene	12.18	104	109610	21.056	ug/l	99
71) Bromoform	12.35	173	17710	19.199	ug/l #	98
73) Isopropylbenzene	12.46	105	179490	20.733	ug/l	100
74) N-amyl acetate	12.27	43	32193	16.228	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	26763	16.996	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	34885	31.502	ug/l	37
77) Bromobenzene	12.75	156	41044	21.186	ug/l	95
78) n-propylbenzene	12.80	91	204461	20.266	ug/l	99
79) 2-Chlorotoluene	12.90	91	118470	20.249	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	150892	20.580	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	8828	16.638	ug/l	99
82) 4-Chlorotoluene	12.99	91	123258	20.297	ug/l	99
83) tert-Butylbenzene	13.21	119	132985	20.764	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	150040	20.546	ug/l	99
85) sec-Butylbenzene	13.38	105	184091	20.539	ug/l	99
86) p-Isopropyltoluene	13.50	119	169329	20.872	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	81380	21.411	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	81795	21.449	ug/l	99
89) n-Butylbenzene	13.83	91	154729	20.052	ug/l	99
90) Hexachloroethane	14.10	117	31669	20.168	ug/l	95
91) 1,2-Dichlorobenzene	13.87	146	72420	20.911	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	4530	15.472	ug/l	93

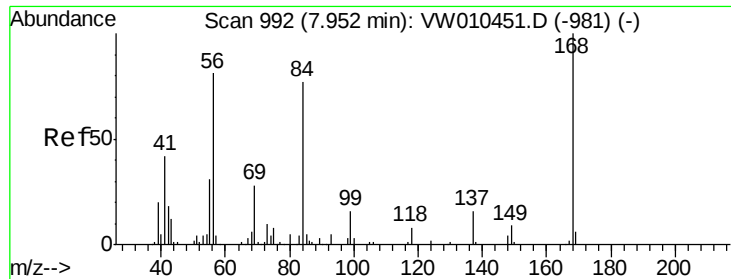
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW052819\
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Acq On : 28 May 2019 12:56
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Quant Time: May 29 06:59:20 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
Quant Title : SW846 8260
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	49872	21.165	ug/l	99
94) Hexachlorobutadiene	15.24	225	28847	22.916	ug/l	99
95) Naphthalene	15.37	128	86848	17.558	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	41698	20.566	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: VW010562.D

Acq: 28 May 2019 12:56

Instrument :

MSVOA_W

ClientSampleId :

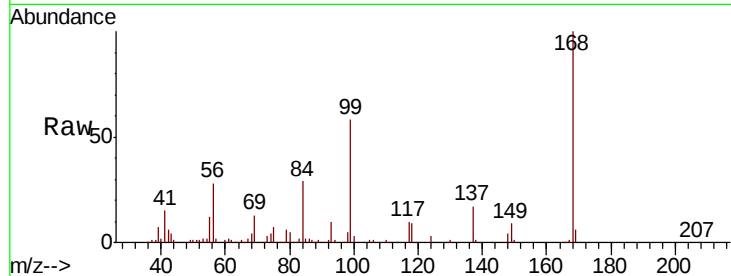
VW0528SBS01

Tot Ion:168 Resp: 151573

Ion Ratio Lower Upper

168 100

99 57.7 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

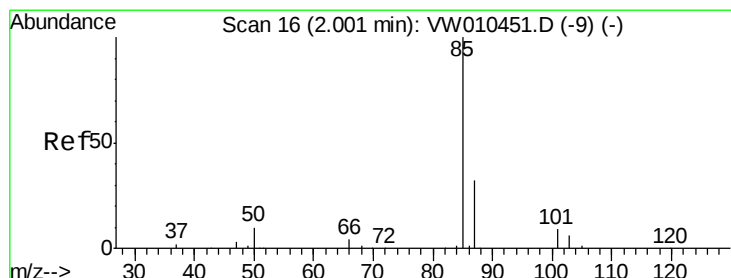
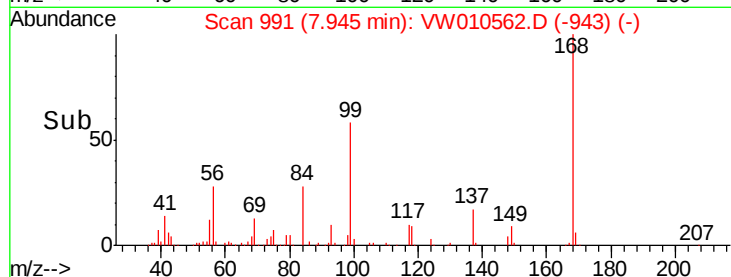
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 15.442 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.01 min

Lab File: VW010562.D

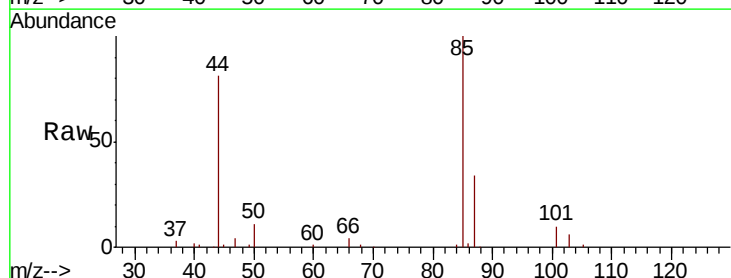
Acq: 28 May 2019 12:56

Tgt Ion: 85 Resp: 21113

Ion Ratio Lower Upper

85 100

87 33.9 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

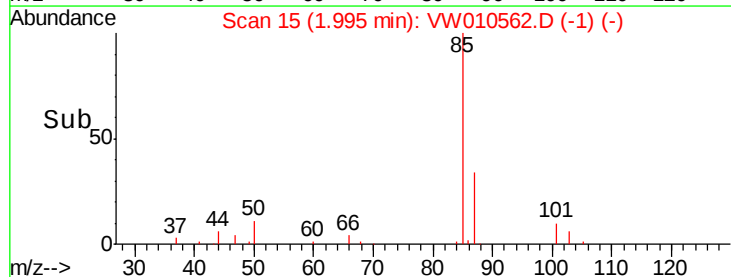
2.00

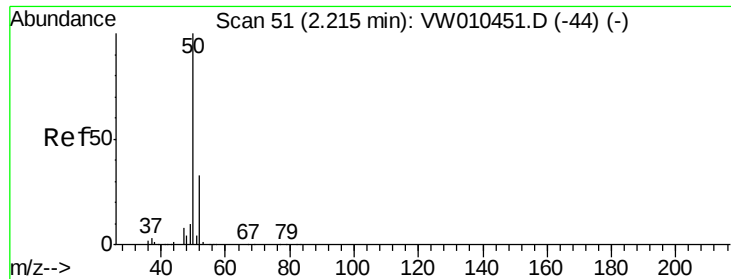
10000

5000

0

Time--> 1.90 1.95 2.00 2.05 2.10





#3

Chloromethane

Concen: 15.723 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW010562.D

Acq: 28 May 2019 12:56

Instrument :

MSVOA_W

ClientSampleId :

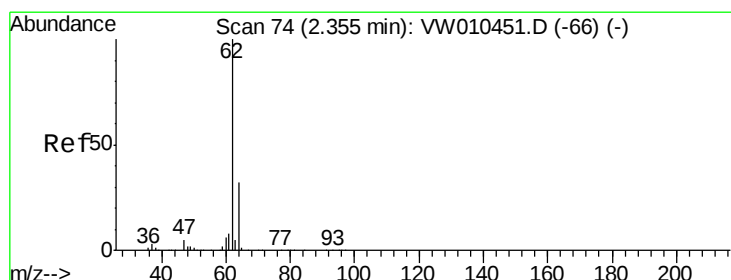
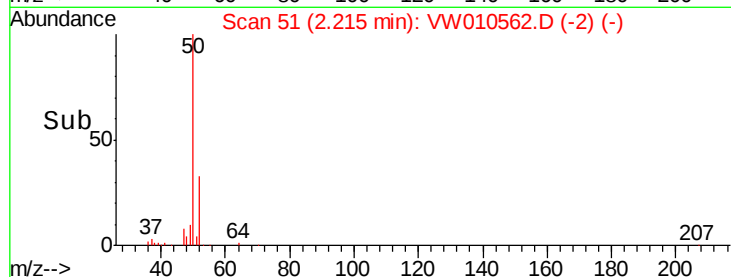
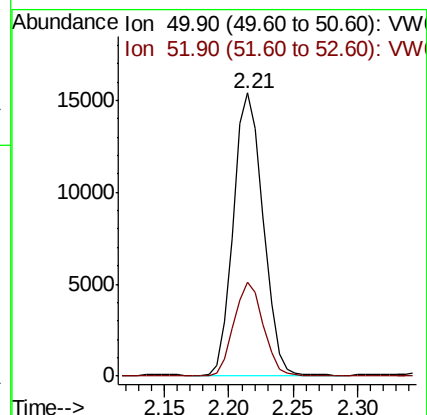
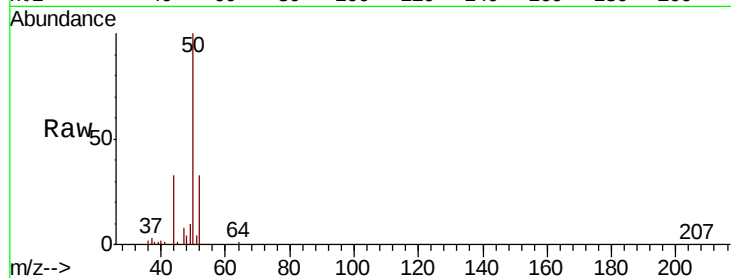
VW0528SBS01

Tot Ion: 50 Resp: 25040

Ion Ratio Lower Upper

50 100

52 33.1 26.3 39.5



#4

Vinyl Chloride

Concen: 15.516 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW010562.D

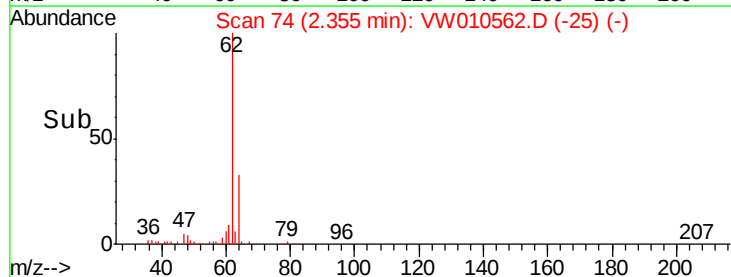
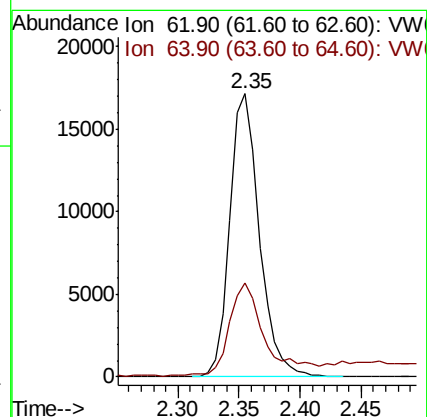
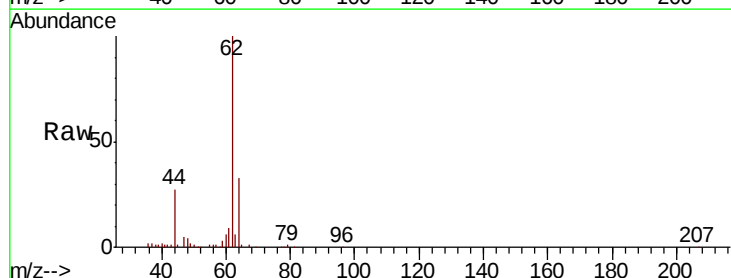
Acq: 28 May 2019 12:56

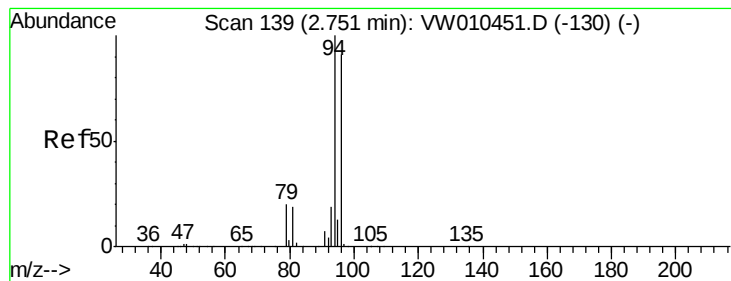
Tgt Ion: 62 Resp: 28622

Ion Ratio Lower Upper

62 100

64 32.5 25.8 38.8





#5

Bromomethane

Concen: 16.442 ug/l

RT: 2.75 min Scan# 138

Delta R.T. -0.01 min

Lab File: VW010562.D

Acq: 28 May 2019 12:56

Instrument :

MSVOA_W

ClientSampleId :

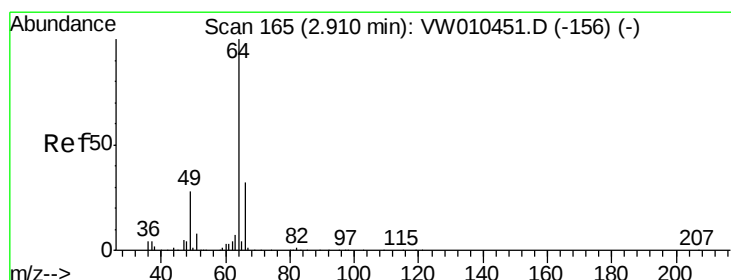
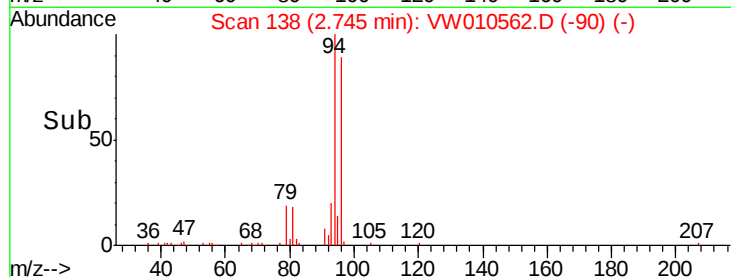
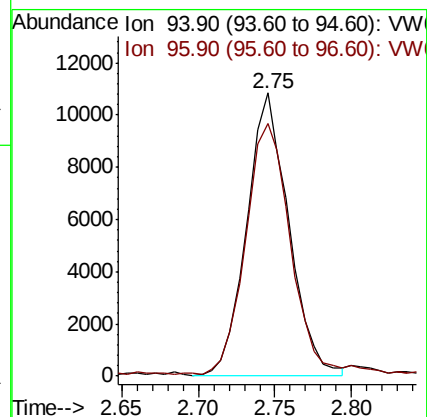
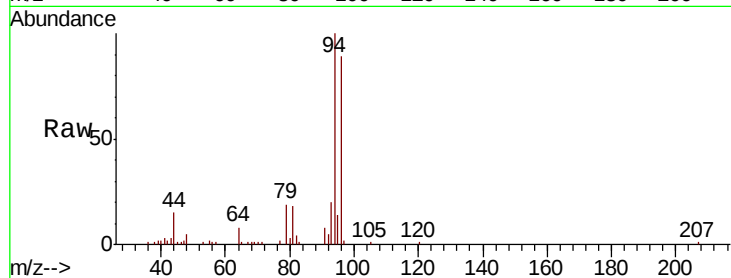
VW0528SBS01

Tot Ion: 94 Resp: 20865

Ion Ratio Lower Upper

94 100

96 88.0 72.9 109.3



#6

Chloroethane

Concen: 18.073 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW010562.D

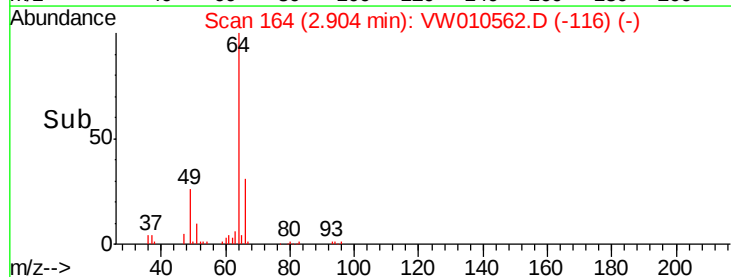
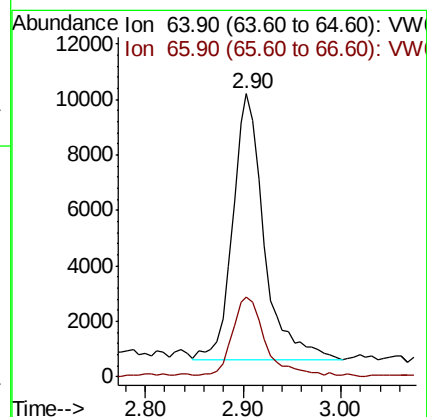
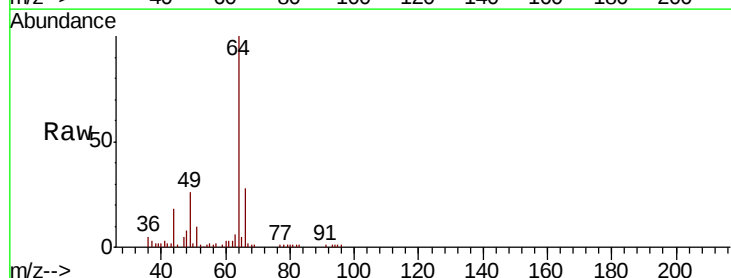
Acq: 28 May 2019 12:56

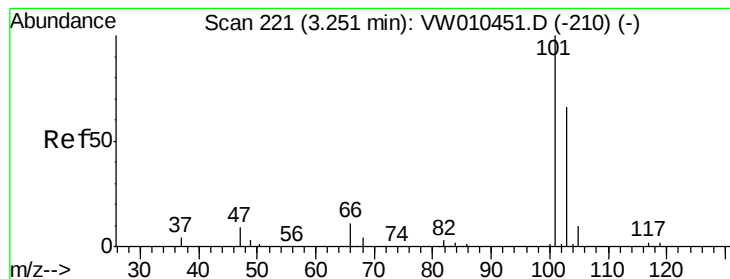
Tgt Ion: 64 Resp: 21401

Ion Ratio Lower Upper

64 100

66 29.4 25.5 38.3



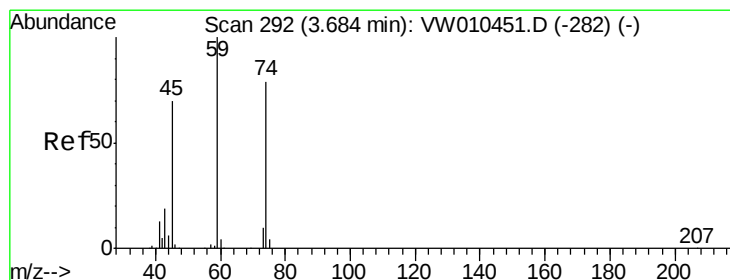
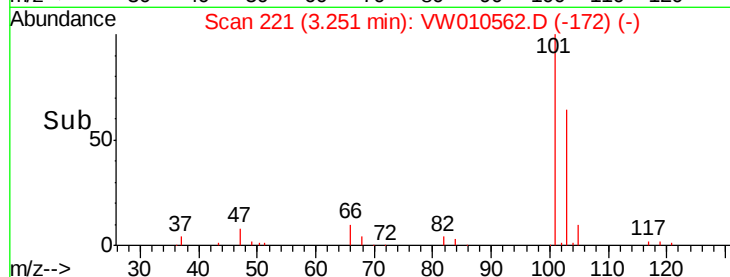
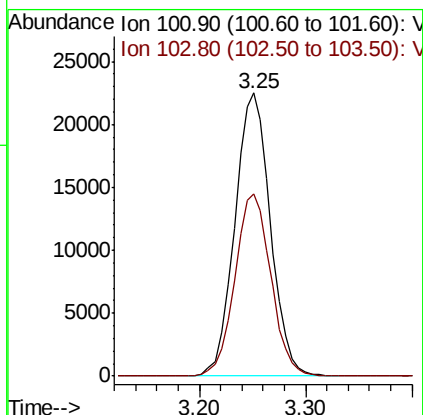
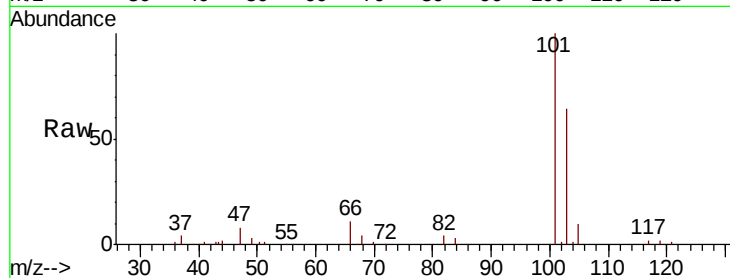


#7

Trichlorofluoromethane
 Concen: 19.291 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW010562.D
 Acq: 28 May 2019 12:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0528SBS01

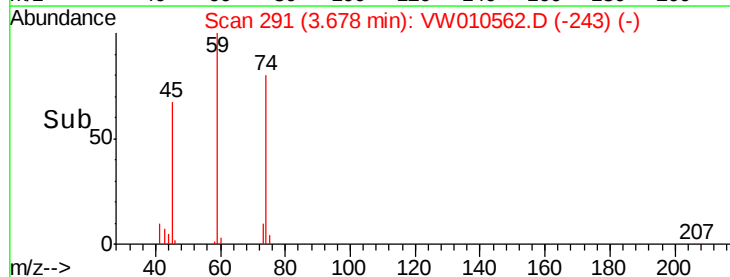
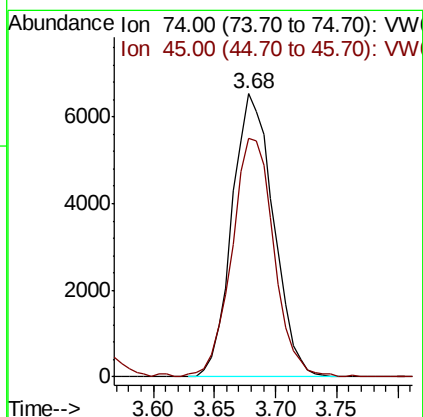
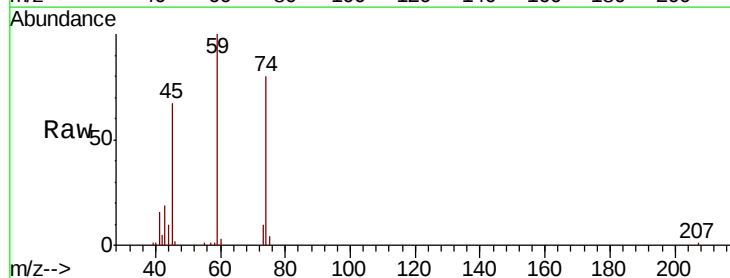
Tot Ion:101 Resp: 52537
 Ion Ratio Lower Upper
 101 100
 103 64.3 53.0 79.4

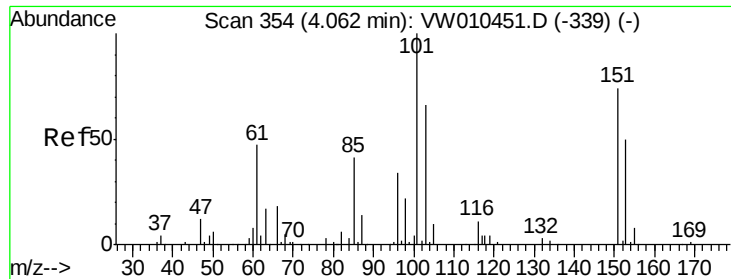


#8

Diethyl Ether
 Concen: 17.798 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW010562.D
 Acq: 28 May 2019 12:56

Tgt Ion: 74 Resp: 15365
 Ion Ratio Lower Upper
 74 100
 45 85.4 42.9 128.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.762 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW010562.D

Acq: 28 May 2019 12:56

Instrument :

MSVOA_W

ClientSampleId :

VW0528SBS01

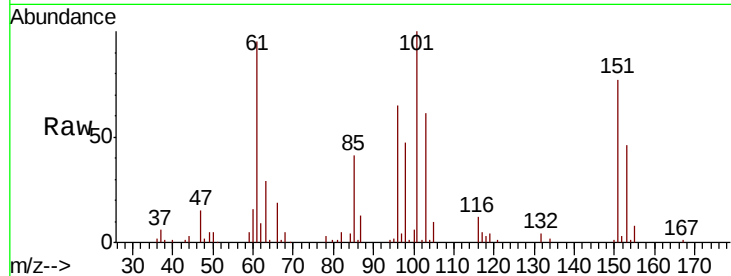
Tot Ion:101 Resp: 33144

Ion Ratio Lower Upper

101 100

85 42.4 34.3 51.5

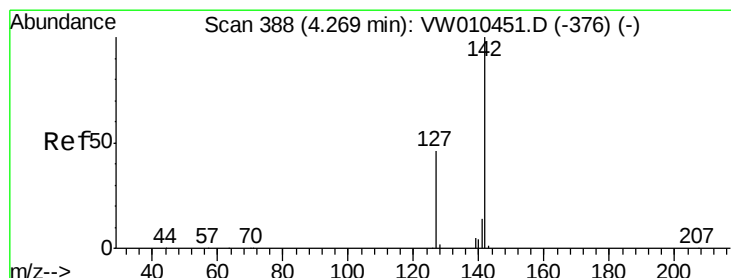
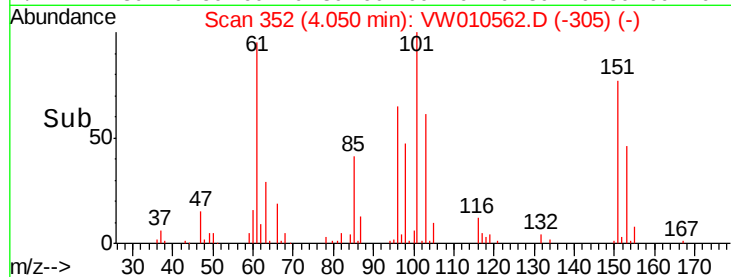
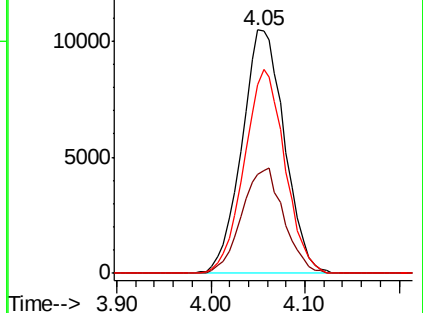
151 79.8 60.3 90.5



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: 16.232 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW010562.D

Acq: 28 May 2019 12:56

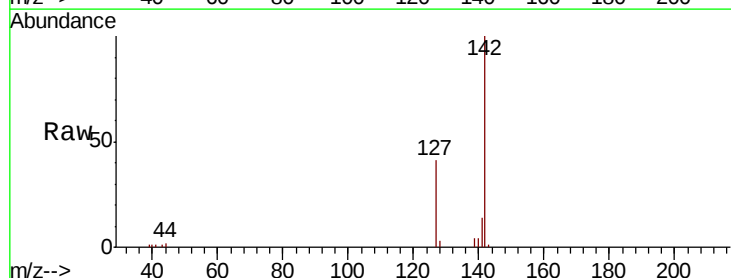
Tgt Ion:142 Resp: 31116

Ion Ratio Lower Upper

142 100

127 42.6 36.1 54.1

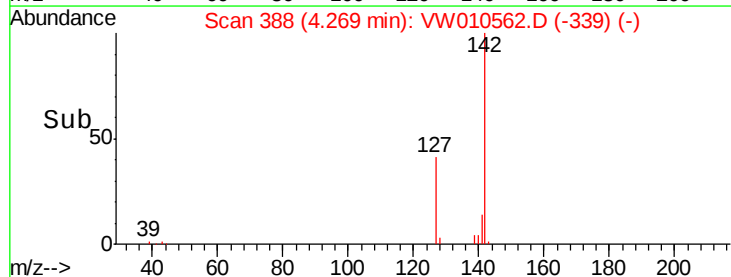
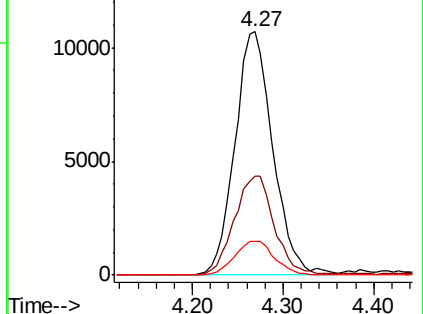
141 14.5 11.3 16.9

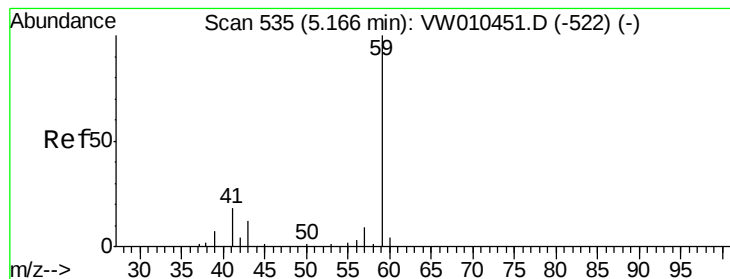


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



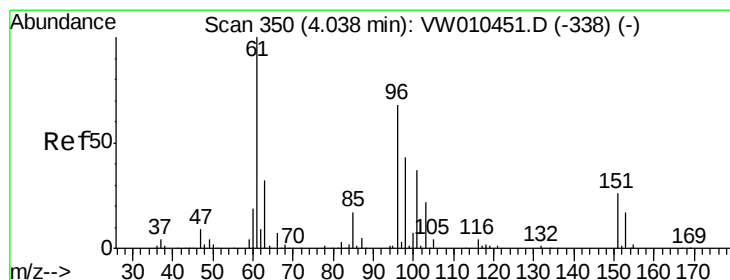
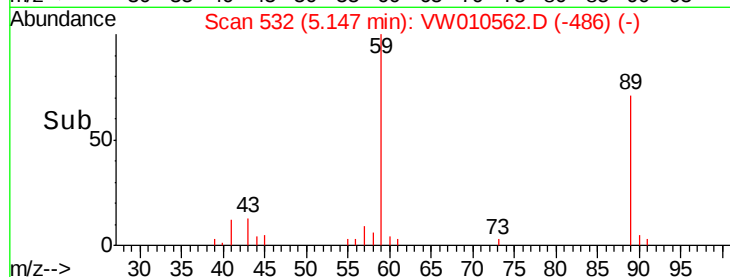
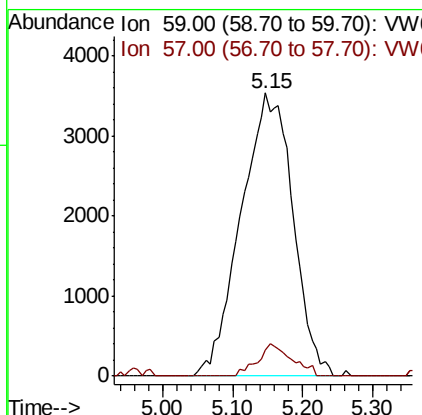
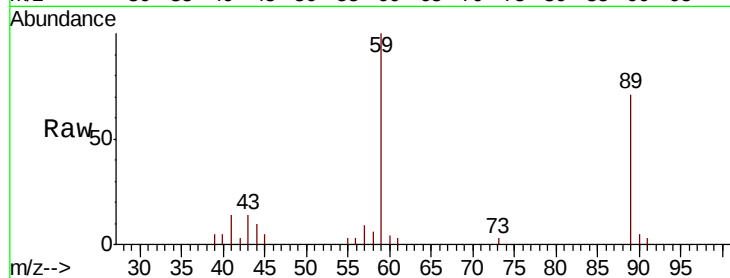


#11

Tert butyl alcohol
 Concen: 129.203 ug/l
 RT: 5.15 min Scan# 532
 Delta R.T. -0.02 min
 Lab File: VW010562.D
 Acq: 28 May 2019 12:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0528SBS01

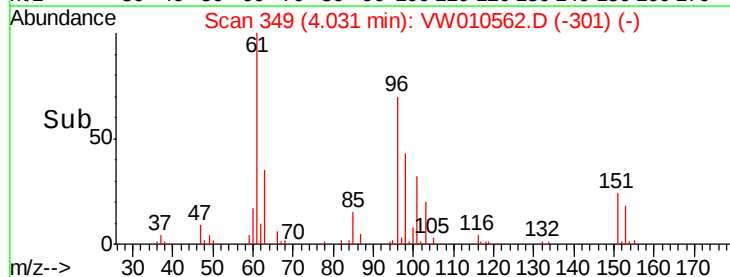
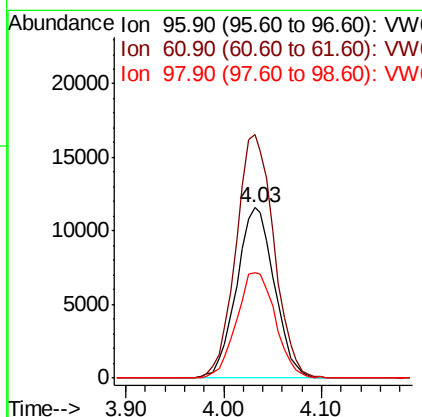
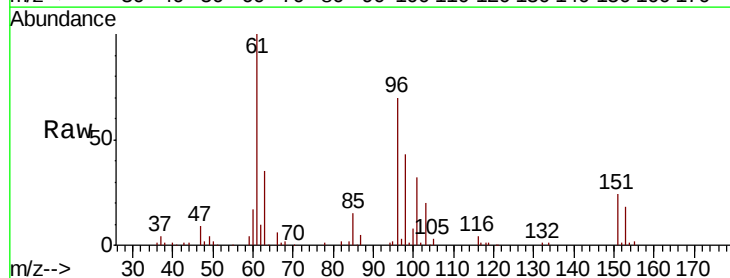
Tot Ion: 59 Resp: 18182
 Ion Ratio Lower Upper
 59 100
 57 7.6 8.8 13.2#

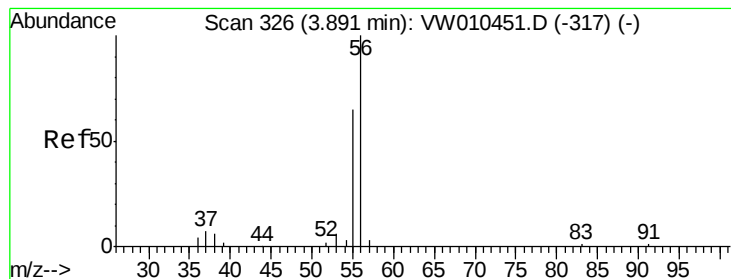


#12

1,1-Dichloroethene
 Concen: 19.417 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW010562.D
 Acq: 28 May 2019 12:56

Tgt Ion: 96 Resp: 31087
 Ion Ratio Lower Upper
 96 100
 61 142.9 118.3 177.5
 98 62.1 51.0 76.6





#13

Acrolein

Concen: 72.890 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW010562.D

Acq: 28 May 2019 12:56

Instrument :

MSVOA_W

ClientSampleId :

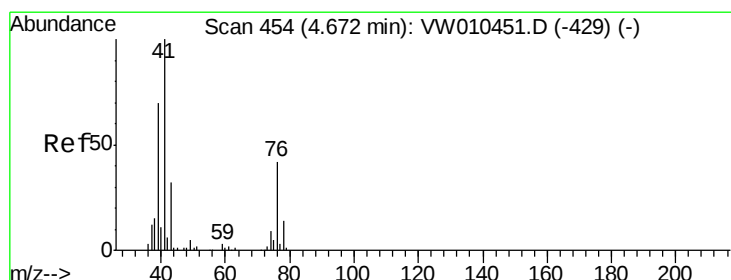
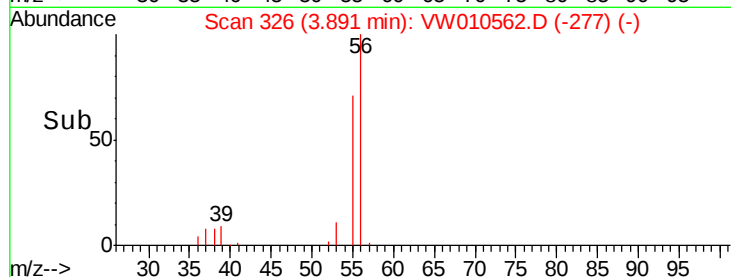
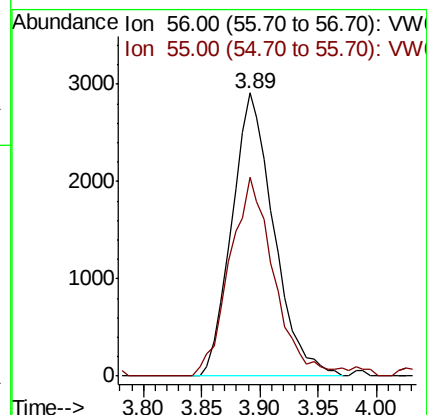
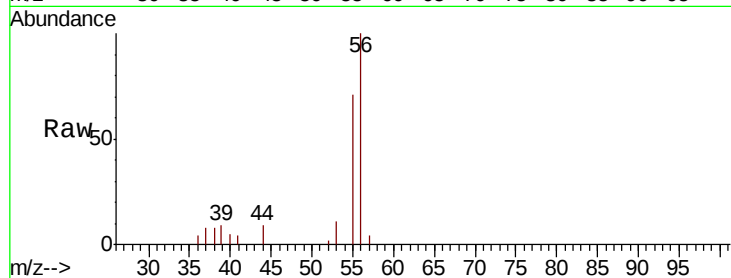
VW0528SBS01

Tot Ion: 56 Resp: 7273

Ion Ratio Lower Upper

56 100

55 74.1 57.9 86.9



#14

Allyl chloride

Concen: 18.826 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW010562.D

Acq: 28 May 2019 12:56

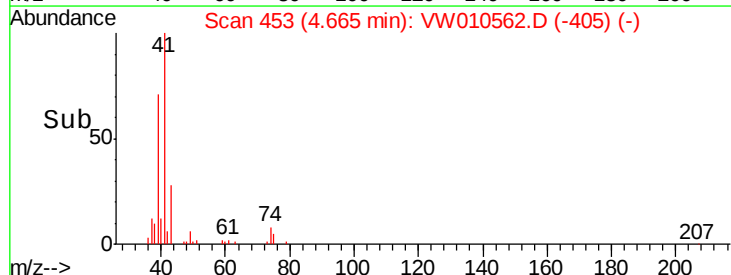
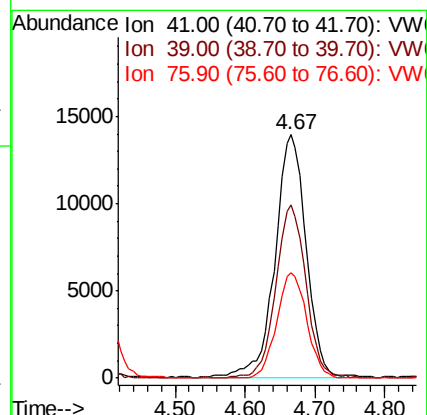
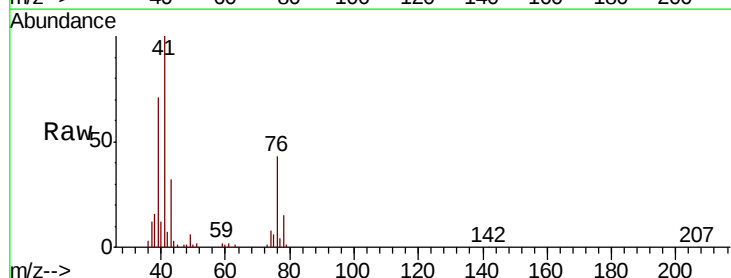
Tgt Ion: 41 Resp: 43629

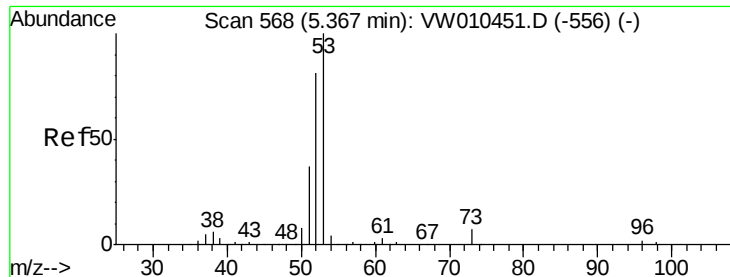
Ion Ratio Lower Upper

41 100

39 68.9 55.0 82.4

76 41.3 32.8 49.2





#15

Acrylonitrile

Concen: 81.925 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW010562.D

Acq: 28 May 2019 12:56

Instrument :

MSVOA_W

ClientSampleId :

VW0528SBS01

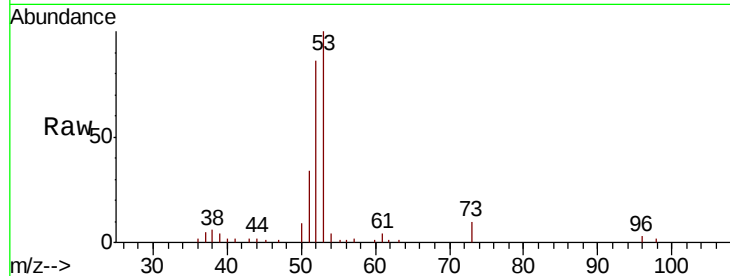
Tot Ion: 53 Resp: 29620

Ion Ratio Lower Upper

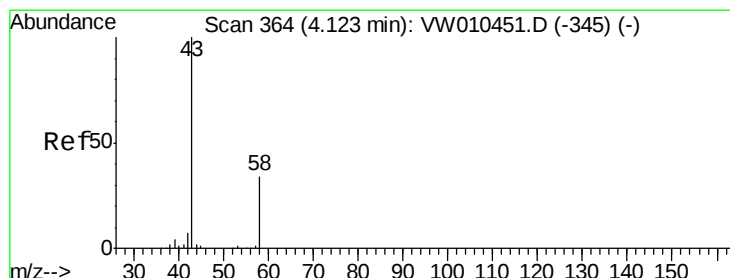
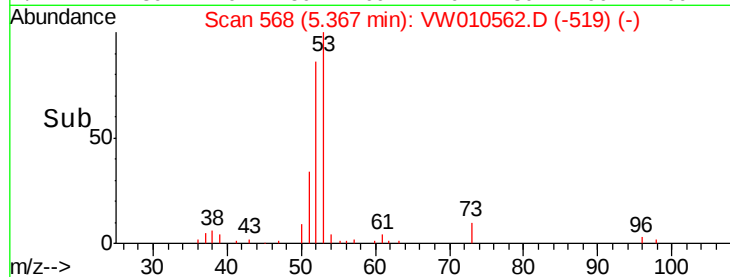
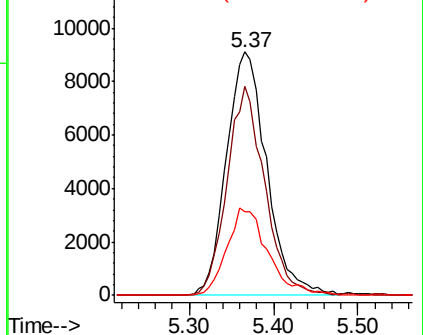
53 100

52 80.0 65.6 98.4

51 36.5 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: 84.870 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW010562.D

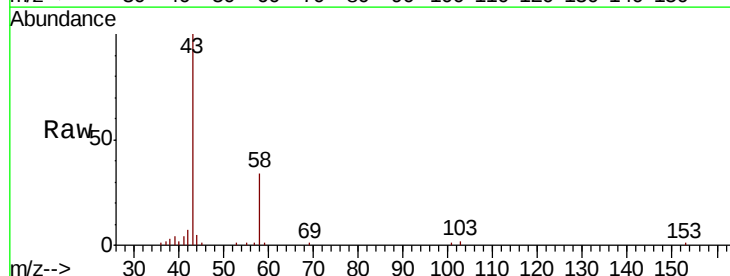
Acq: 28 May 2019 12:56

Tgt Ion: 43 Resp: 27103

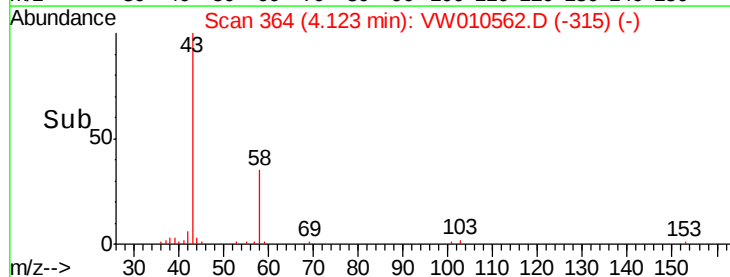
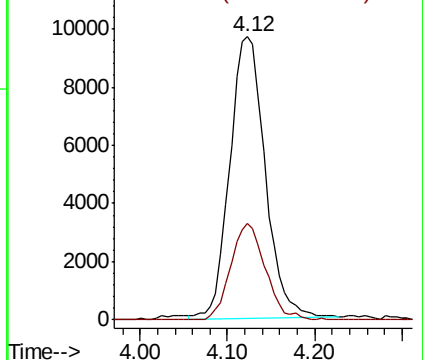
Ion Ratio Lower Upper

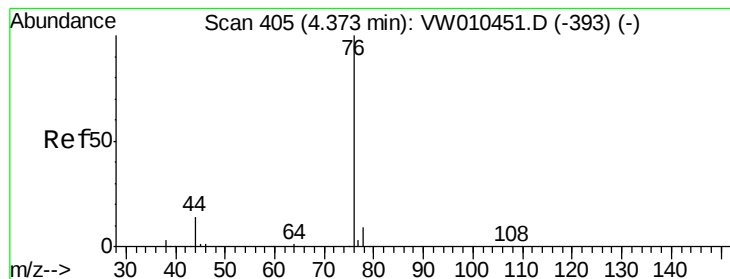
43 100

58 34.7 27.0 40.4



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





#17

Carbon Disulfide

Concen: 17.519 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW010562.D

Acq: 28 May 2019 12:56

Instrument :

MSVOA_W

ClientSampleId :

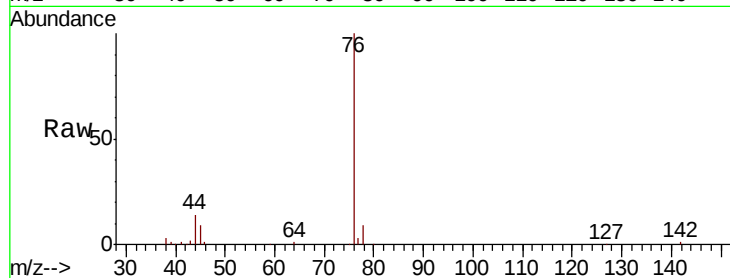
VW0528SBS01

Tot Ion: 76 Resp: 83662

Ion Ratio Lower Upper

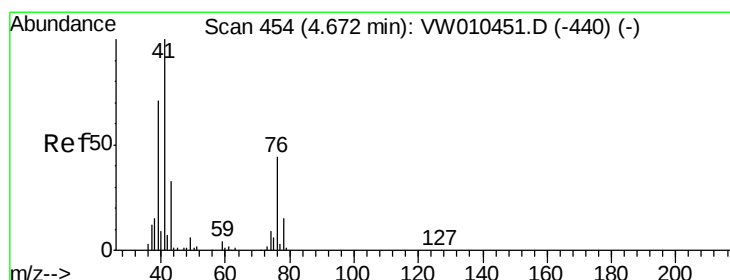
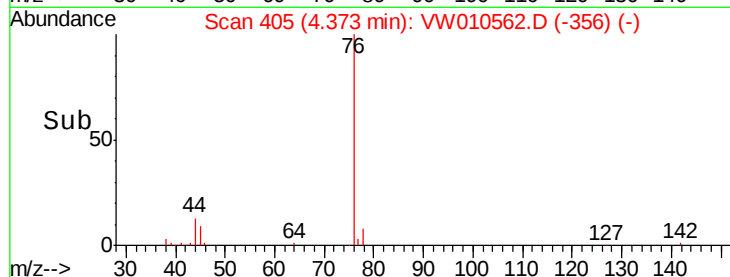
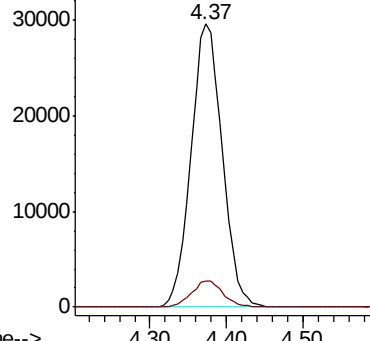
76 100

78 9.0 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 18.102 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW010562.D

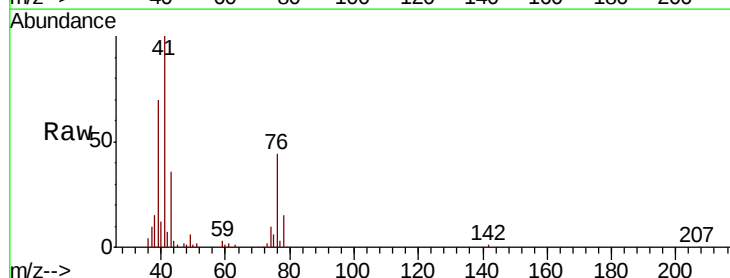
Acq: 28 May 2019 12:56

Tgt Ion: 43 Resp: 14138

Ion Ratio Lower Upper

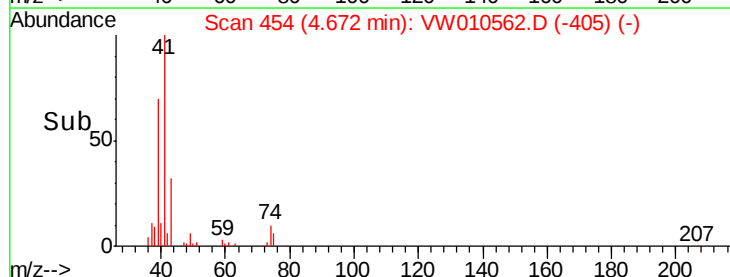
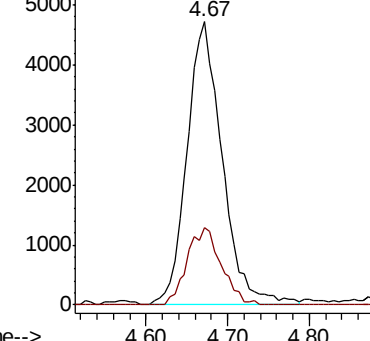
43 100

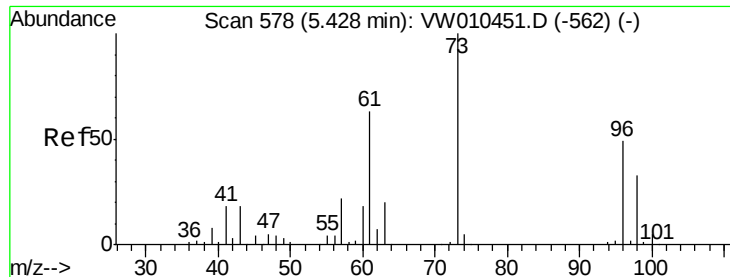
74 26.3 21.6 32.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

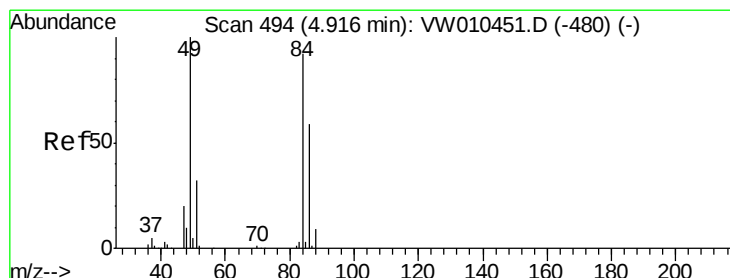
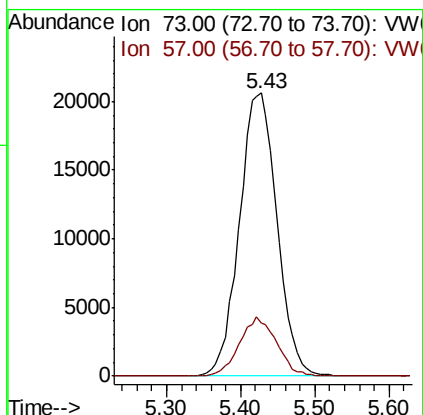
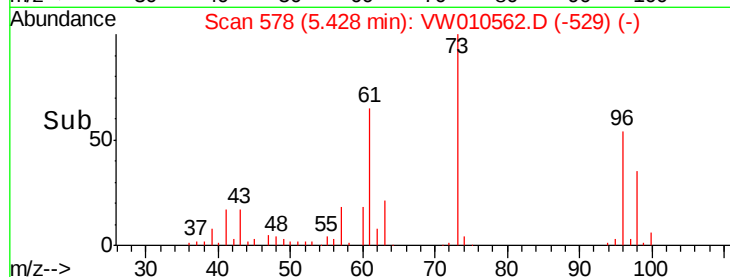
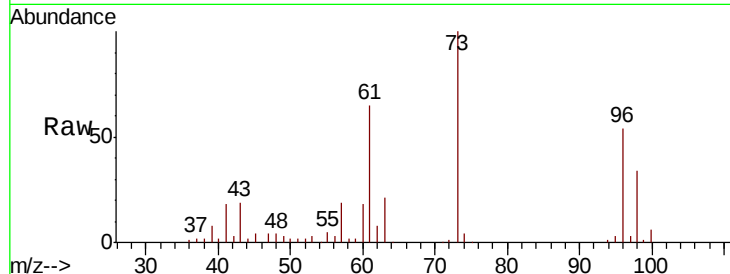




#19
Methyl tert-butyl Ether
Concen: 17.846 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW010562.D
Acq: 28 May 2019 12:56

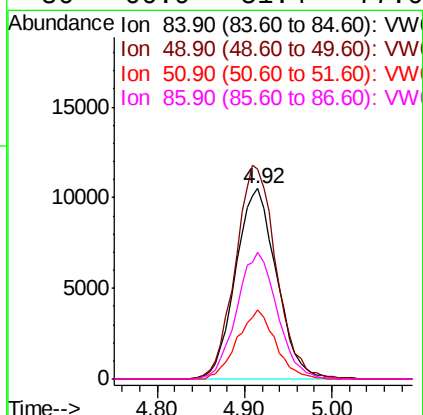
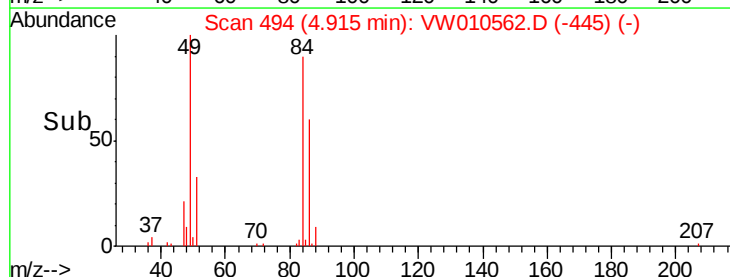
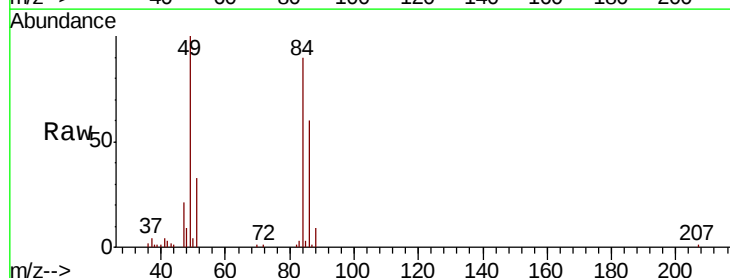
Instrument :
MSVOA_W
ClientSampleId :
VW0528SBS01

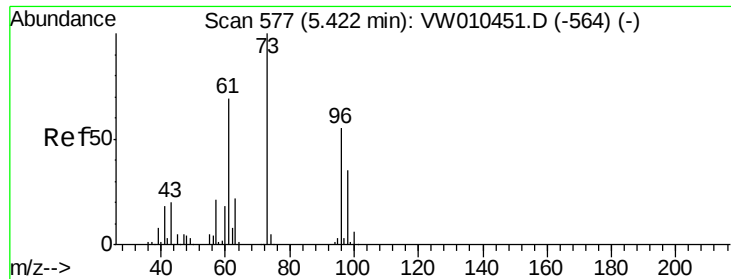
Tot Ion: 73 Resp: 72838
Ion Ratio Lower Upper
73 100
57 18.5 17.4 26.0



#20
Methylene Chloride
Concen: 14.714 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW010562.D
Acq: 28 May 2019 12:56

Tgt Ion: 84 Resp: 34277
Ion Ratio Lower Upper
84 100
49 110.6 87.2 130.8
51 36.4 27.7 41.5
86 66.9 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 19.049 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW010562.D

Acq: 28 May 2019 12:56

Instrument :

MSVOA_W

ClientSampleId :

VW0528SBS01

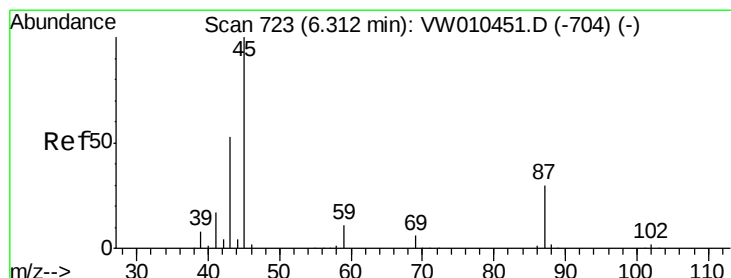
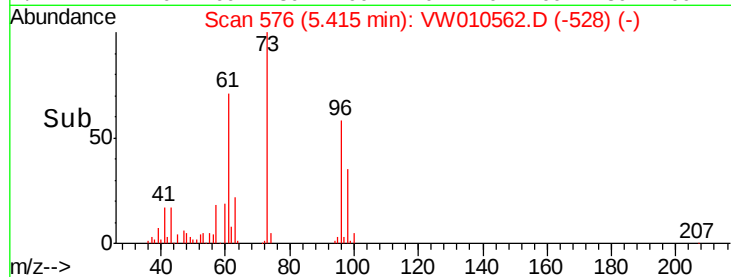
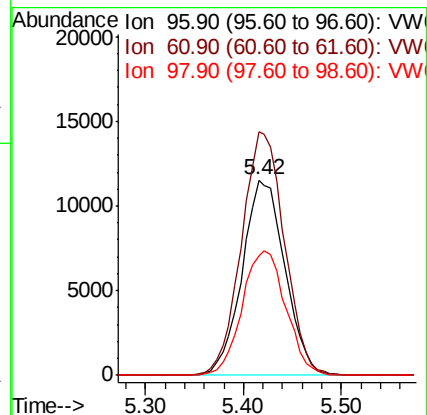
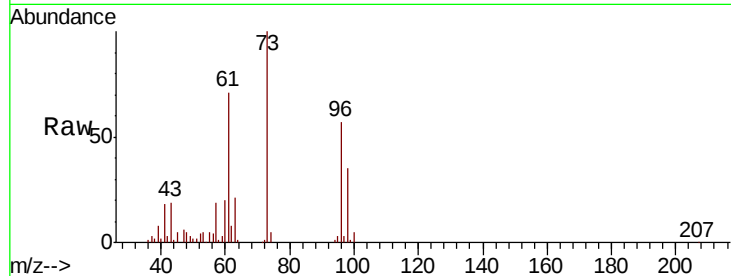
Tot Ion: 96 Resp: 34981

Ion Ratio Lower Upper

96 100

61 124.5 101.4 152.0

98 61.4 50.6 76.0



#22

Diisopropyl ether

Concen: 18.307 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW010562.D

Acq: 28 May 2019 12:56

Tgt Ion: 45 Resp: 86992

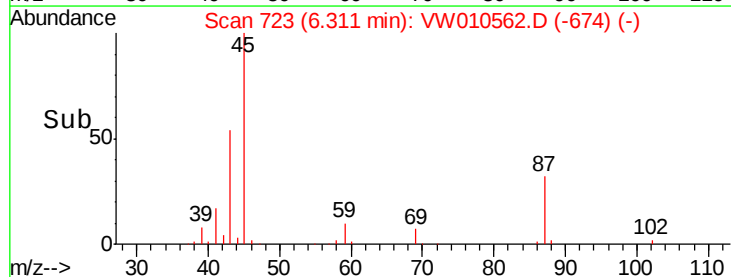
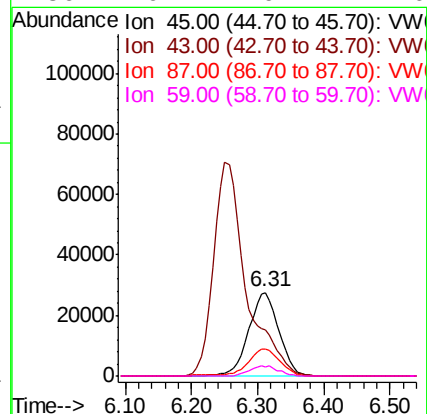
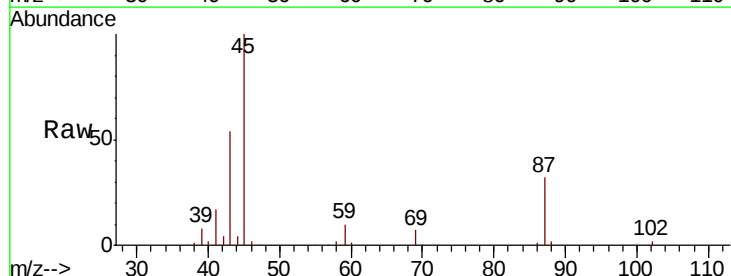
Ion Ratio Lower Upper

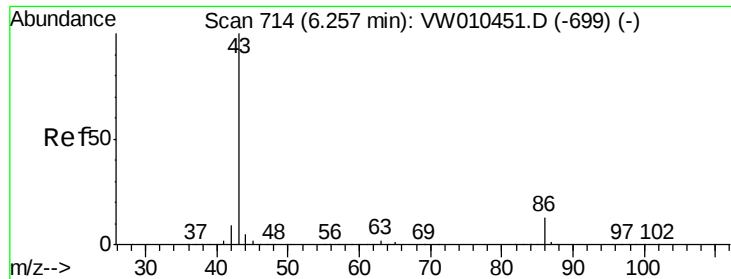
45 100

43 53.8 42.9 64.3

87 32.2 24.6 36.8

59 10.4 9.4 14.0





#23

Vinyl Acetate

Concen: 84.808 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW010562.D

Acq: 28 May 2019 12:56

Instrument :

MSVOA_W

ClientSampleId :

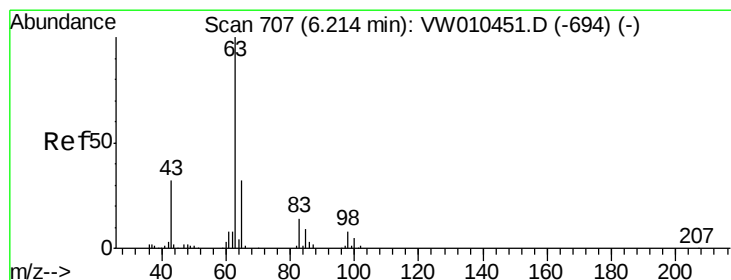
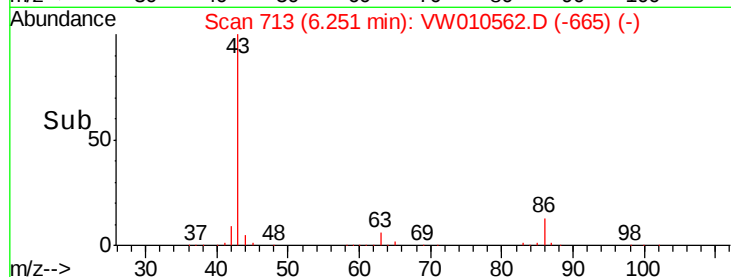
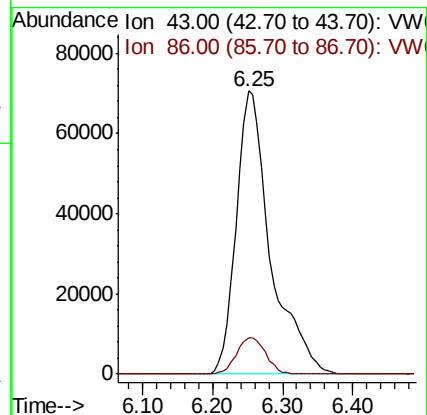
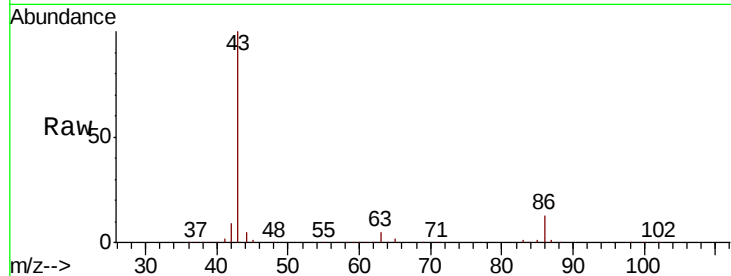
VW0528SBS01

Tot Ion: 43 Resp: 240728

Ion Ratio Lower Upper

43 100

86 12.8 10.3 15.5



#24

1,1-Dichloroethane

Concen: 19.550 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW010562.D

Acq: 28 May 2019 12:56

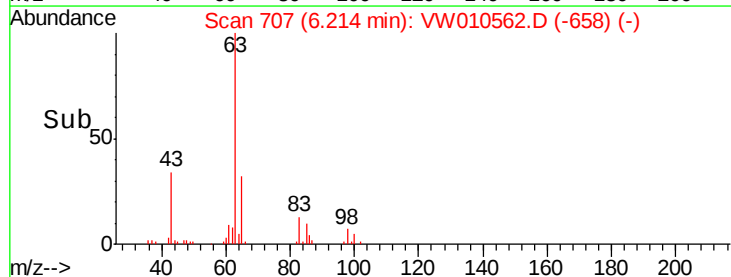
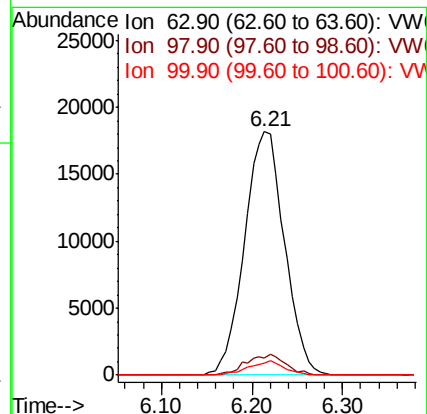
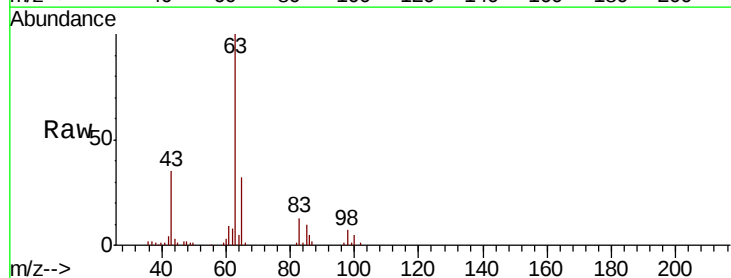
Tgt Ion: 63 Resp: 55437

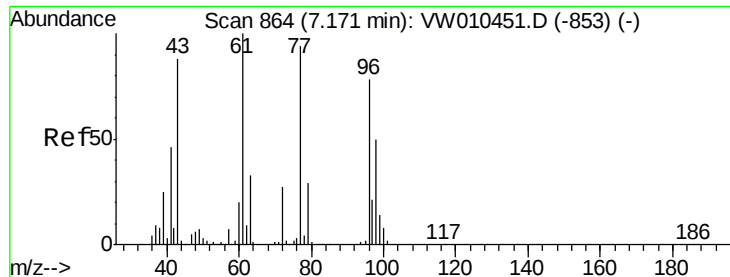
Ion Ratio Lower Upper

63 100

98 7.2 3.8 11.2

100 5.1 2.5 7.4





#25

2-Butanone

Concen: 87.909 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW010562.D

Acq: 28 May 2019 12:56

Instrument :

MSVOA_W

ClientSampleId :

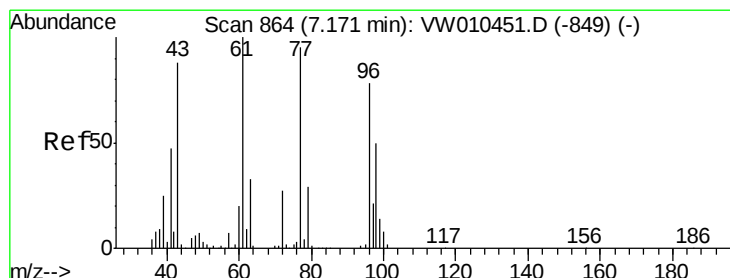
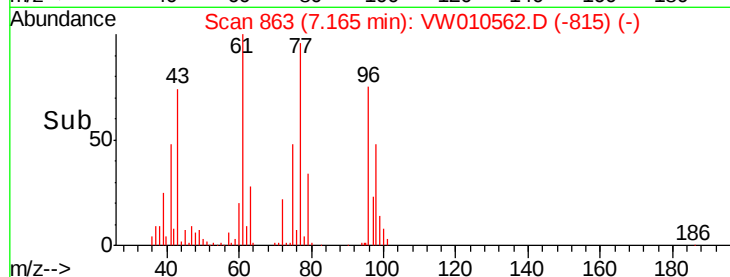
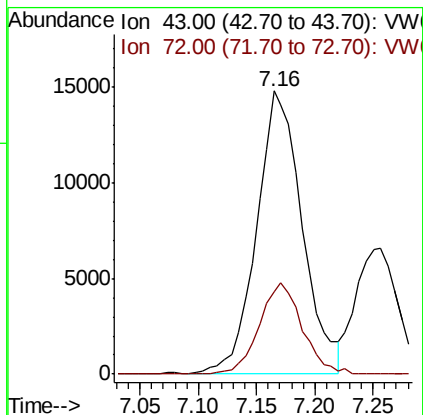
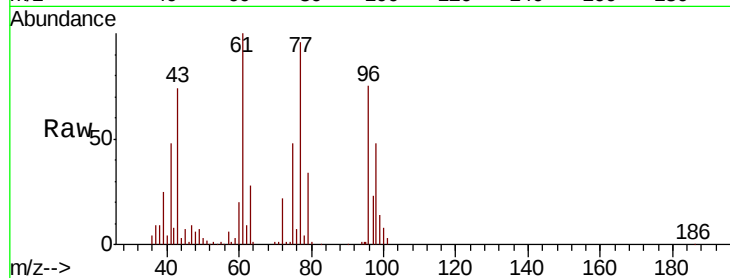
VW0528SBS01

Tot Ion: 43 Resp: 40176

Ion Ratio Lower Upper

43 100

72 29.2 24.1 36.1



#26

2,2-Dichloropropane

Concen: 21.474 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW010562.D

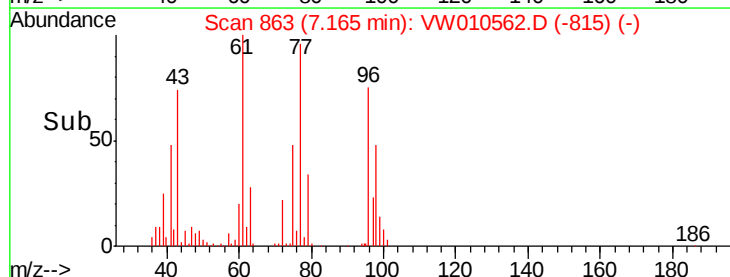
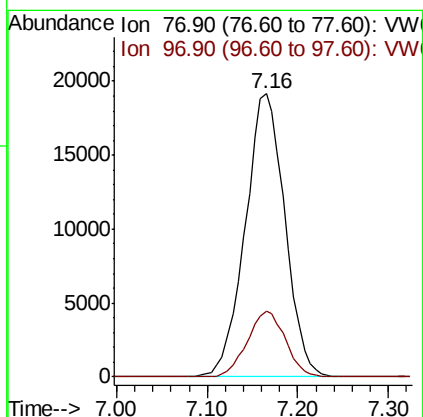
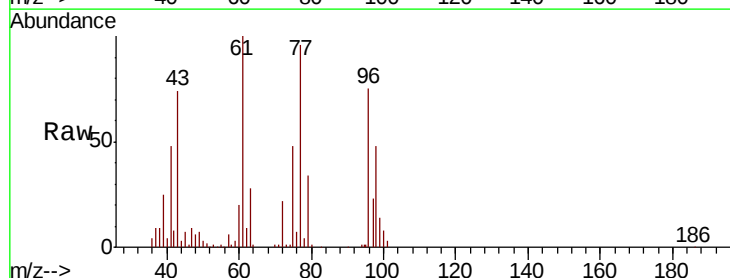
Acq: 28 May 2019 12:56

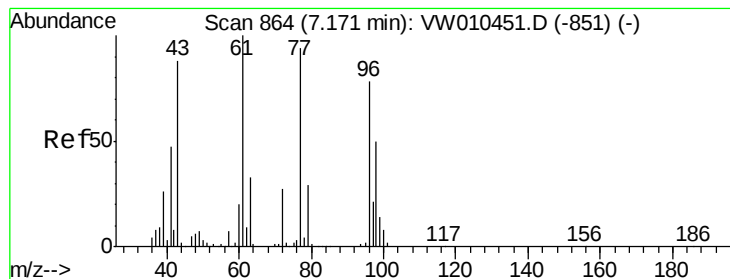
Tgt Ion: 77 Resp: 58004

Ion Ratio Lower Upper

77 100

97 22.1 11.7 35.0



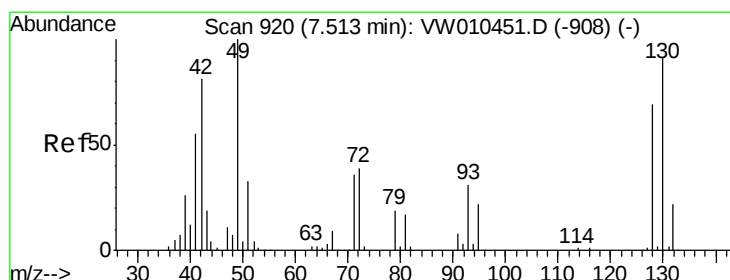
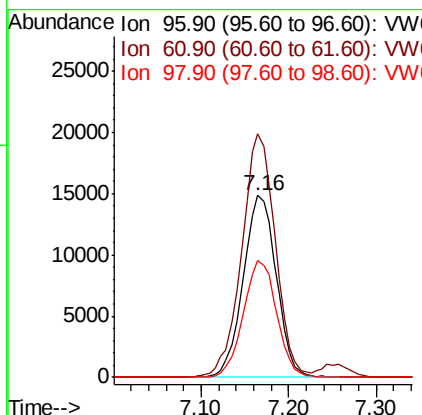
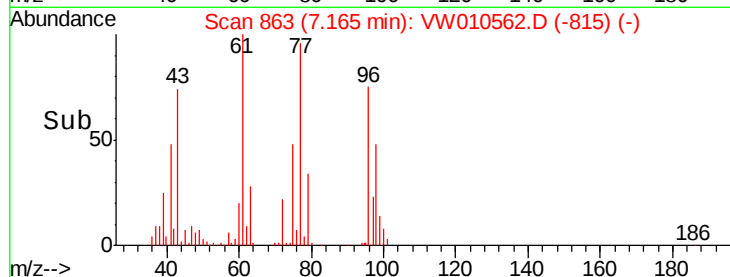
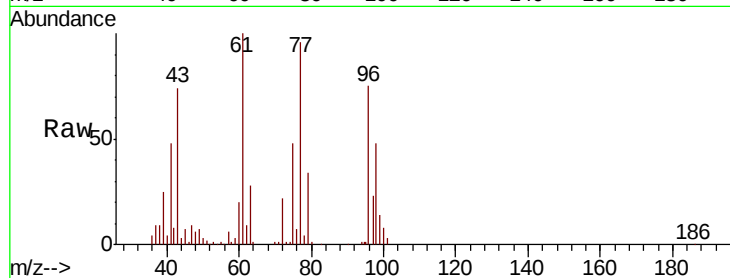


#27

cis-1,2-Dichloroethene
Concen: 19.607 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW010562.D
Acq: 28 May 2019 12:56

Instrument :
MSVOA_W
ClientSampleId :
VW0528SBS01

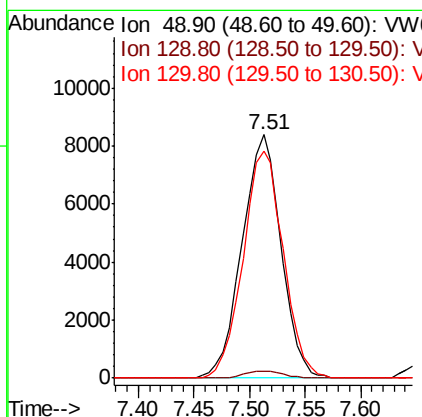
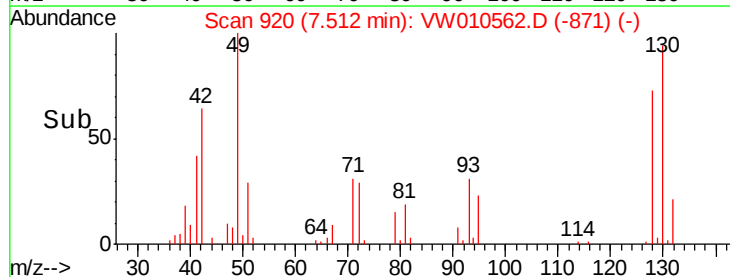
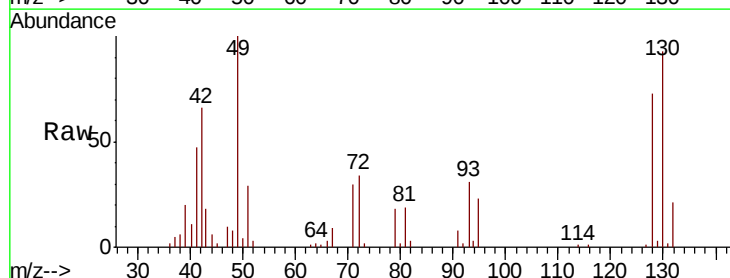
Tot Ion: 96 Resp: 39145
Ion Ratio Lower Upper
96 100
61 135.7 0.0 265.4
98 64.2 0.0 129.4

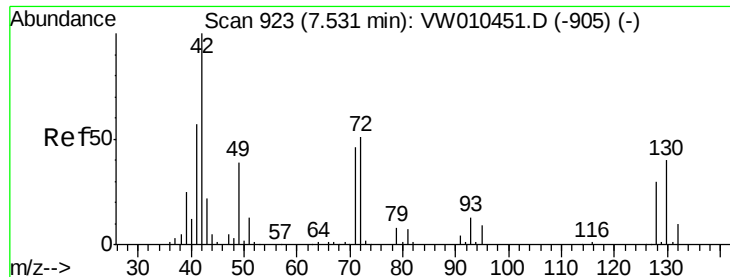


#28

Bromochloromethane
Concen: 20.076 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW010562.D
Acq: 28 May 2019 12:56

Tgt Ion: 49 Resp: 20383
Ion Ratio Lower Upper
49 100
129 2.8 0.0 4.8
130 96.2 71.2 106.8

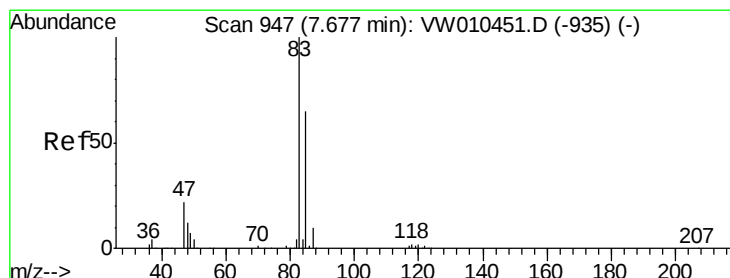
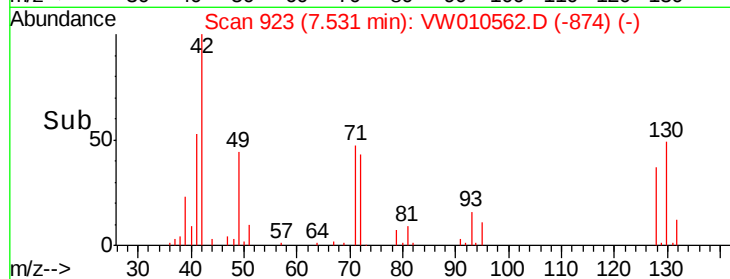
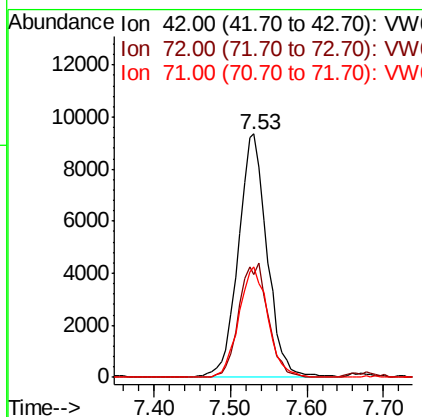
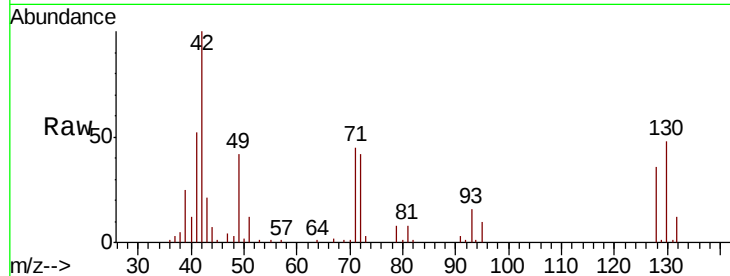




#29
Tetrahydrofuran
Concen: 79.094 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW010562.D
Acq: 28 May 2019 12:56

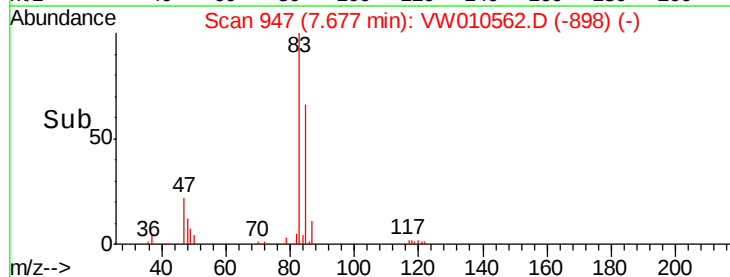
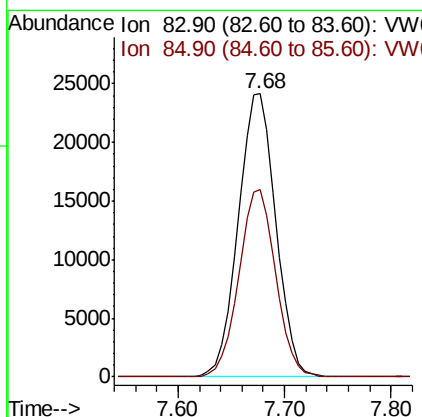
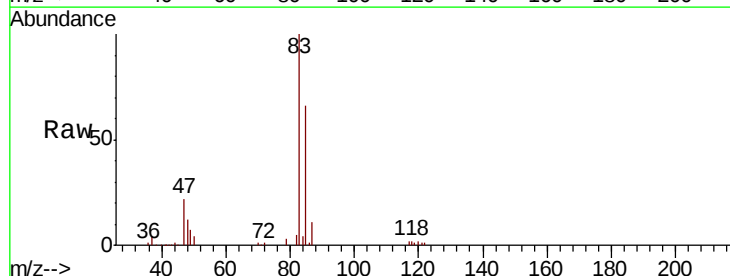
Instrument :
MSVOA_W
ClientSampleId :
VW0528SBS01

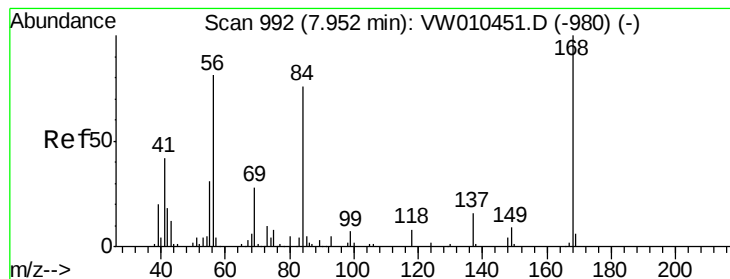
Tot Ion: 42 Resp: 24460
Ion Ratio Lower Upper
42 100
72 47.2 38.5 57.7
71 45.6 36.5 54.7



#30
Chloroform
Concen: 19.533 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW010562.D
Acq: 28 May 2019 12:56

Tgt Ion: 83 Resp: 59744
Ion Ratio Lower Upper
83 100
85 66.1 52.2 78.4





#31

Cyclohexane

Concen: 18.209 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010562.D

Acq: 28 May 2019 12:56

Instrument :

MSVOA_W

ClientSampleId :

VW0528SBS01

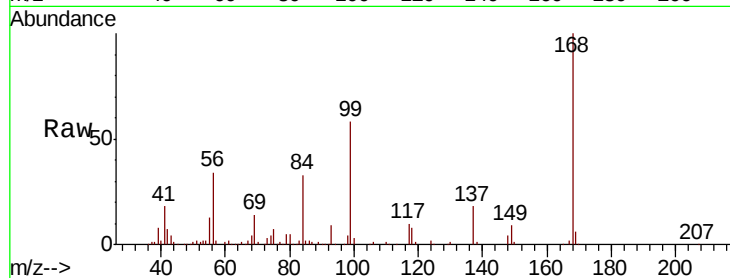
Tot Ion: 56 Resp: 54089

Ion Ratio Lower Upper

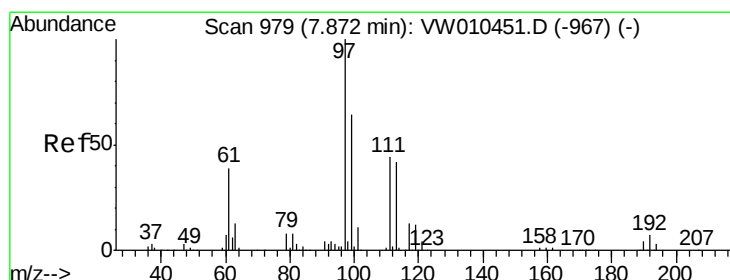
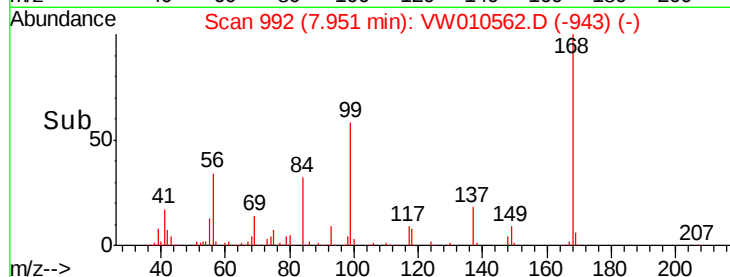
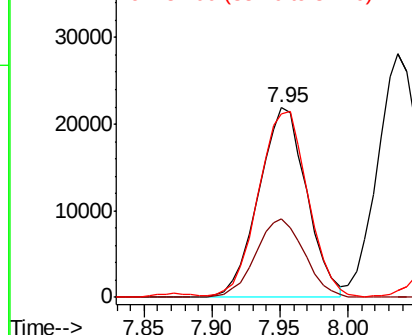
56 100

69 41.6 28.2 42.2

84 95.3 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: 19.656 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW010562.D

Acq: 28 May 2019 12:56

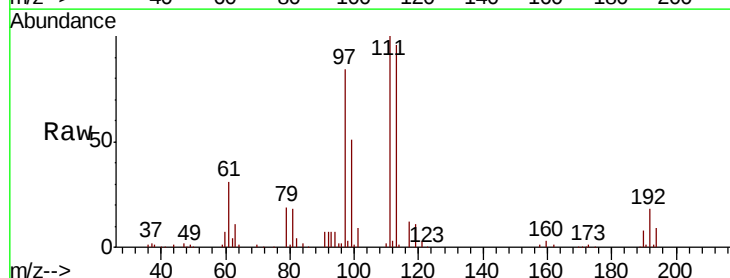
Tgt Ion: 97 Resp: 57463

Ion Ratio Lower Upper

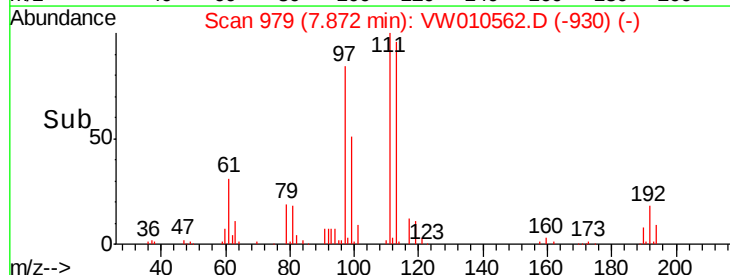
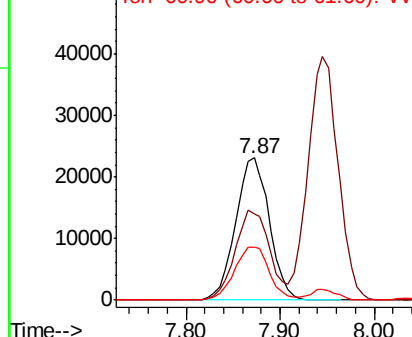
97 100

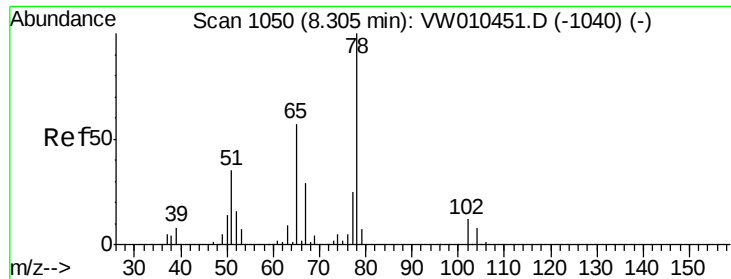
99 65.5 50.8 76.2

61 38.9 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

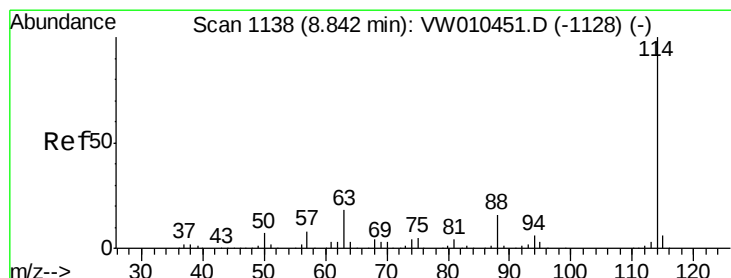
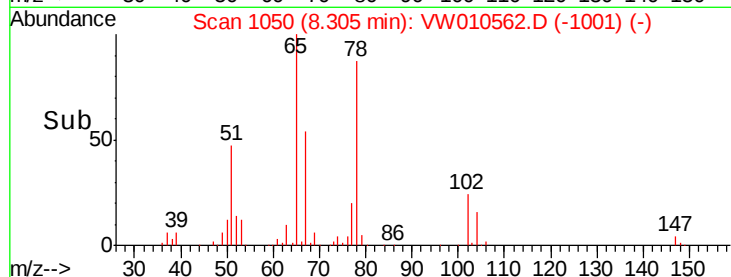
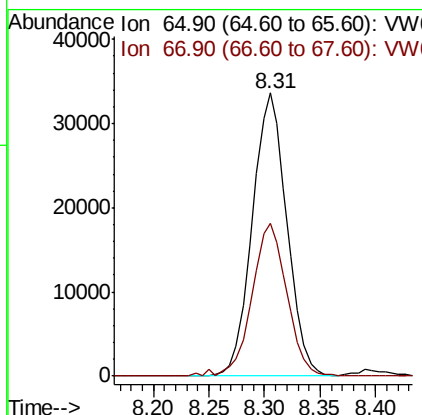
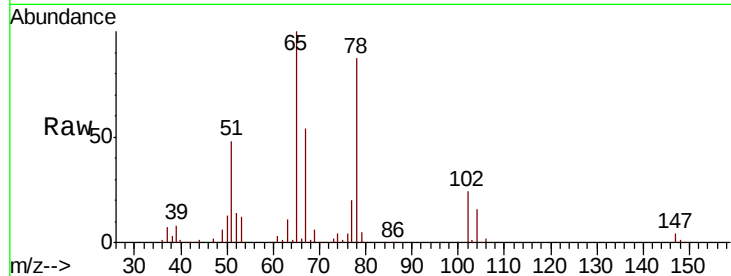




#33
 1,2-Dichloroethane-d4
 Concen: 46.443 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010562.D
 Acq: 28 May 2019 12:56

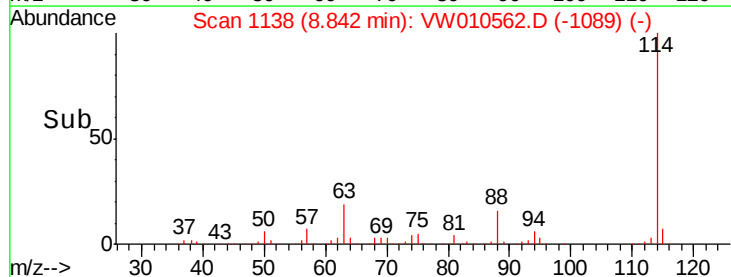
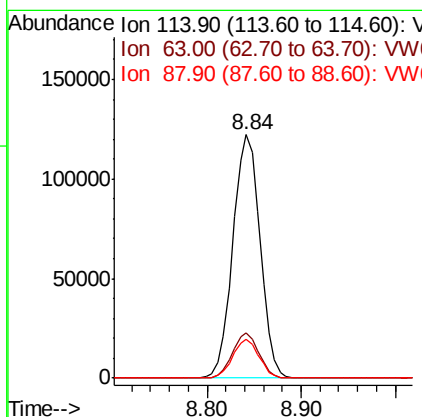
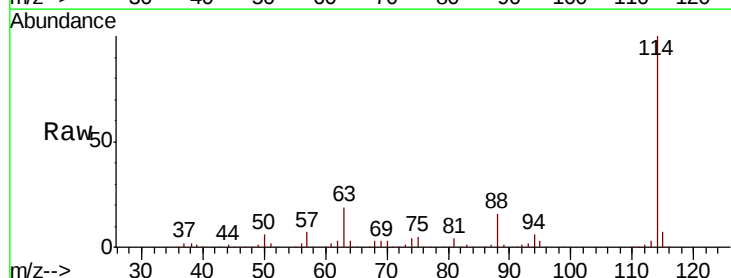
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0528SBS01

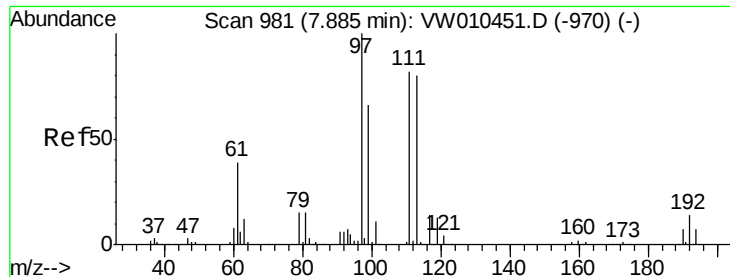
Tot Ion: 65 Resp: 72660
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010562.D
 Acq: 28 May 2019 12:56

Tgt Ion: 114 Resp: 245856
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 36.0
 88 15.8 0.0 32.0





#35

Dibromofluoromethane

Concen: 52.900 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW010562.D

Acq: 28 May 2019 12:56

Instrument :

MSVOA_W

ClientSampleId :

VW0528SBS01

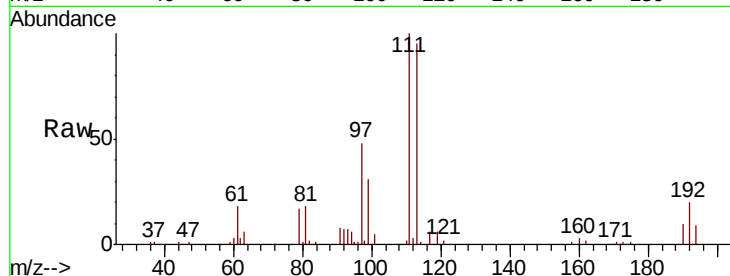
Tot Ion:113 Resp: 78916

Ion Ratio Lower Upper

113 100

111 103.8 82.2 123.4

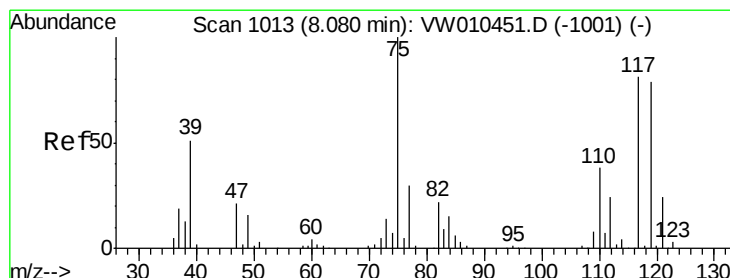
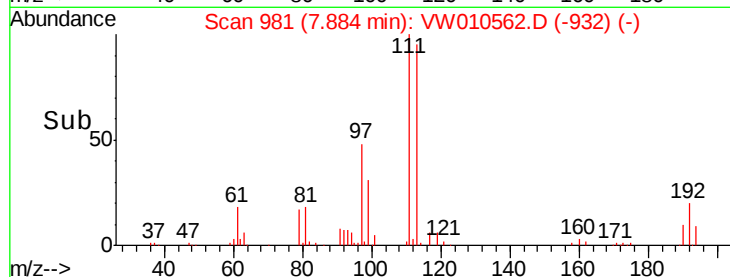
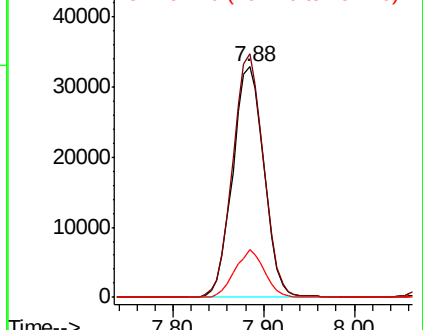
192 19.5 14.3 21.5



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: 20.605 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW010562.D

Acq: 28 May 2019 12:56

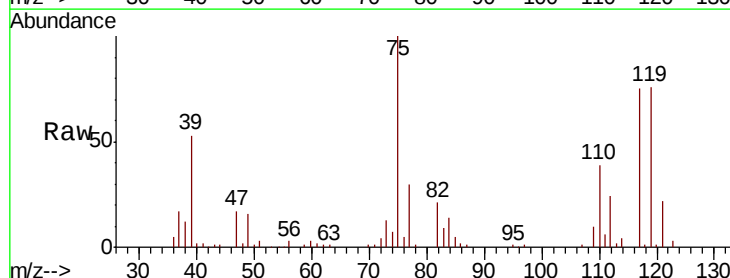
Tgt Ion: 75 Resp: 47190

Ion Ratio Lower Upper

75 100

110 39.0 19.2 57.6

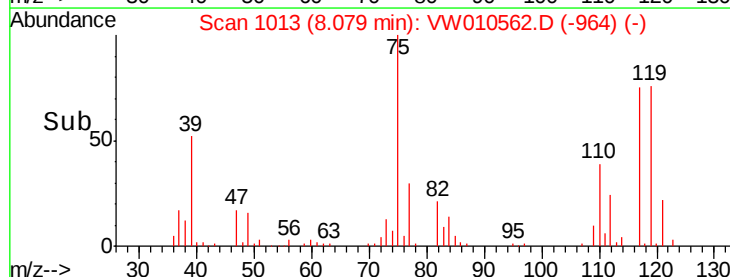
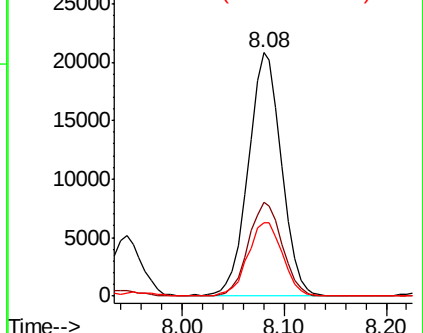
77 31.9 25.2 37.8

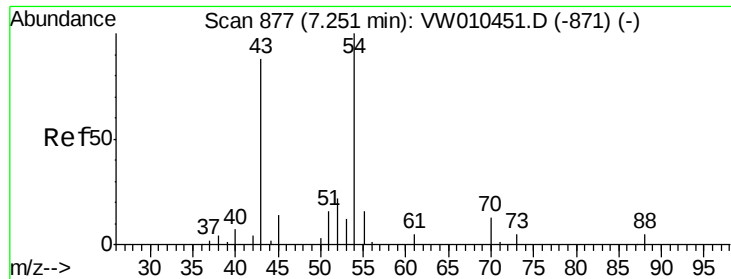


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

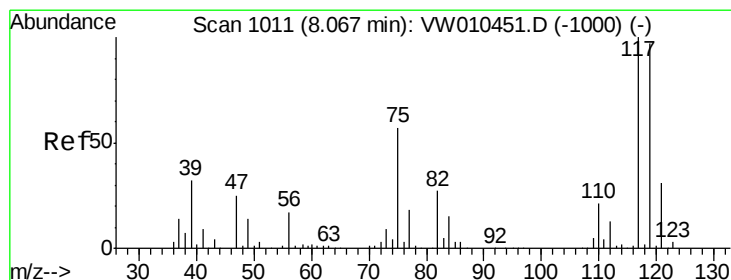
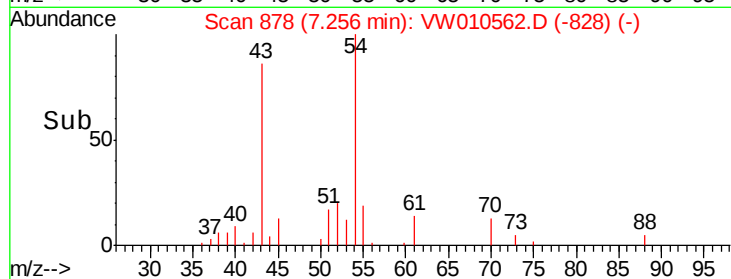
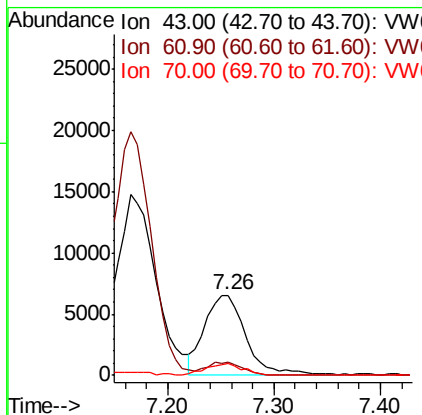
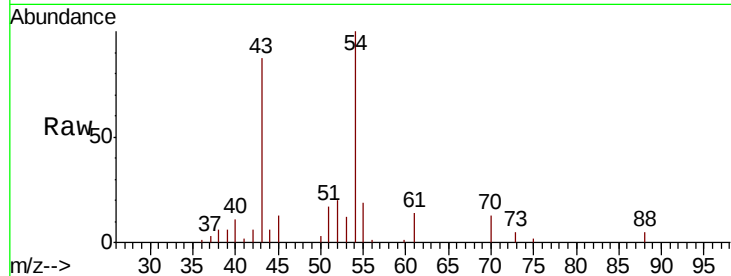




#37
Ethyl Acetate
Concen: 17.655 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW010562.D
Acq: 28 May 2019 12:56

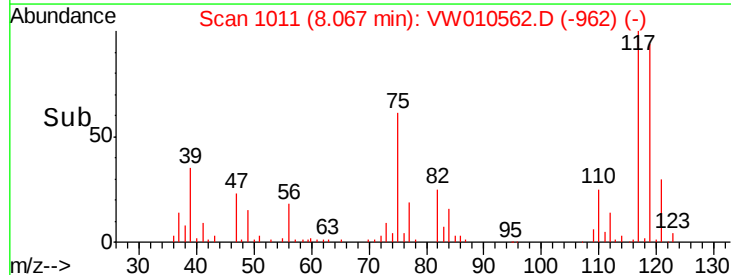
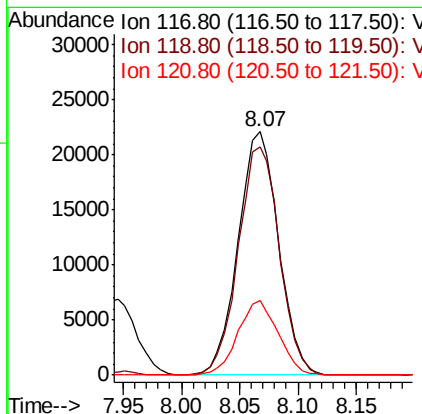
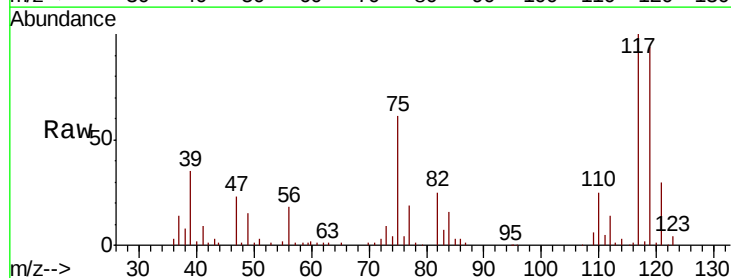
Instrument :
MSVOA_W
ClientSampleId :
VW0528SBS01

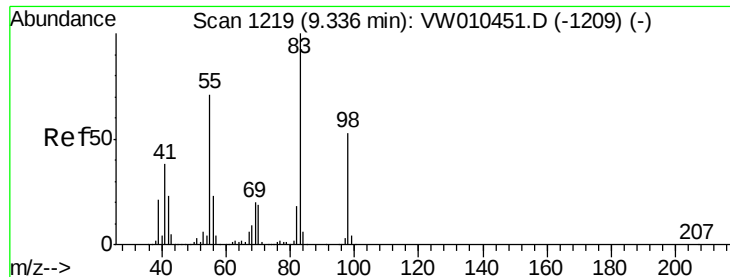
Tot Ion: 43 Resp: 17195
Ion Ratio Lower Upper
43 100
61 14.8 11.2 16.8
70 13.6 9.9 14.9



#38
Carbon Tetrachloride
Concen: 21.640 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW010562.D
Acq: 28 May 2019 12:56

Tgt Ion: 117 Resp: 53465
Ion Ratio Lower Upper
117 100
119 93.9 77.4 116.0
121 30.4 25.0 37.6

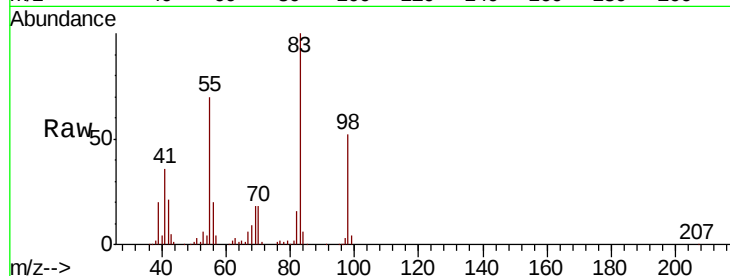




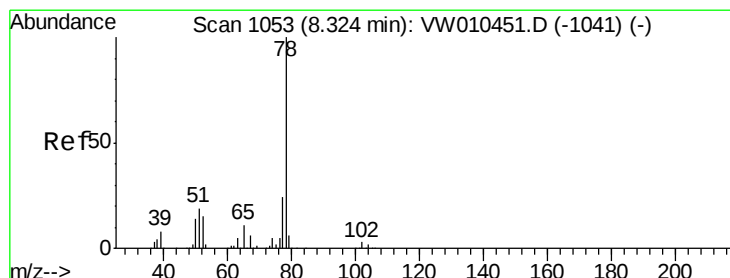
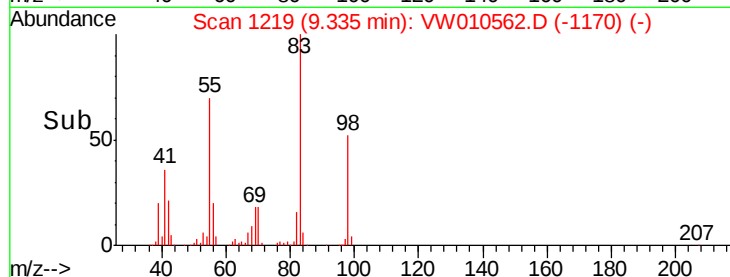
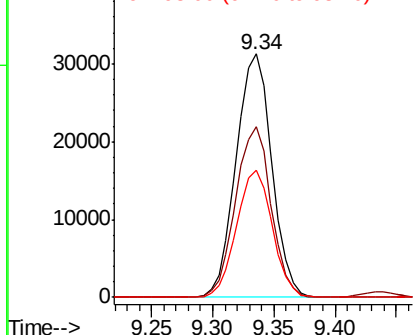
#39
Methvlcvclohexane
Concen: 20.689 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010562.D
Acq: 28 May 2019 12:56

Instrument :
MSVOA_W
ClientSampleId :
VW0528SBS01

Tot Ion: 83 Resp: 63484
Ion Ratio Lower Upper
83 100
55 69.8 57.0 85.6
98 52.4 42.0 63.0

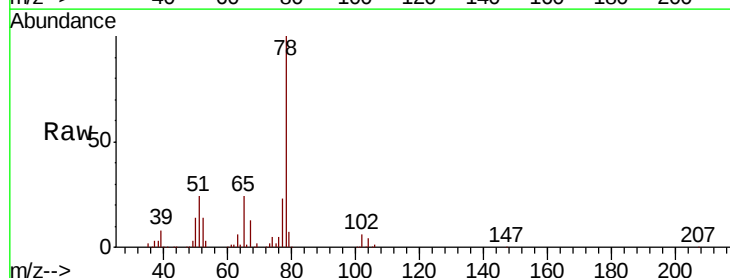


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

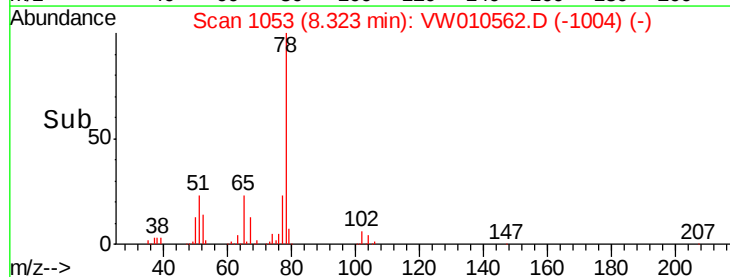
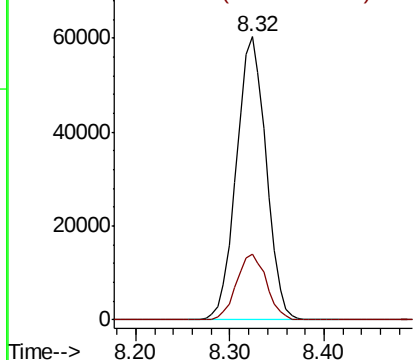


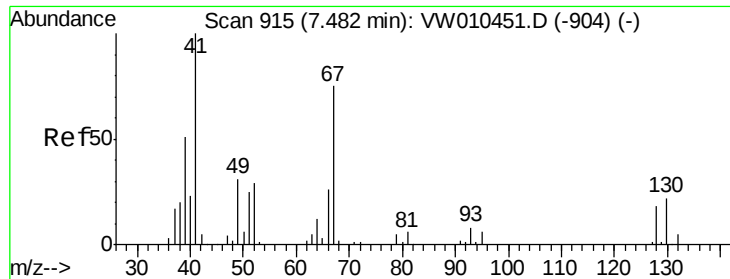
#40
Benzene
Concen: 20.866 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW010562.D
Acq: 28 May 2019 12:56

Tgt Ion: 78 Resp: 132827
Ion Ratio Lower Upper
78 100
77 23.4 18.9 28.3



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

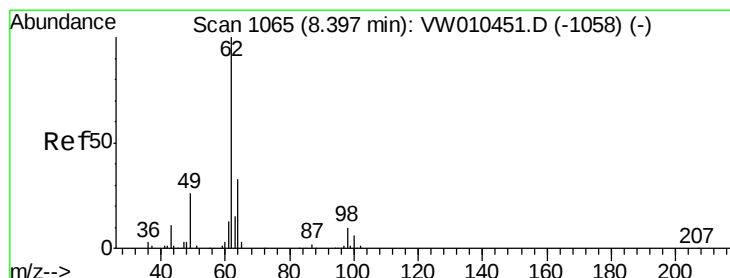
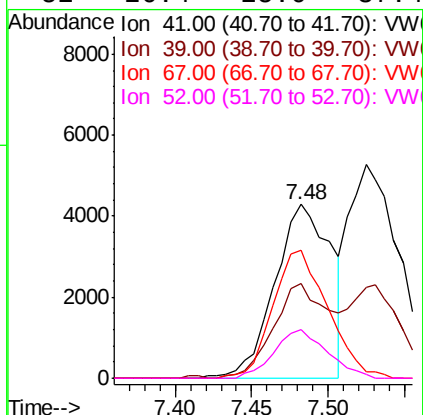
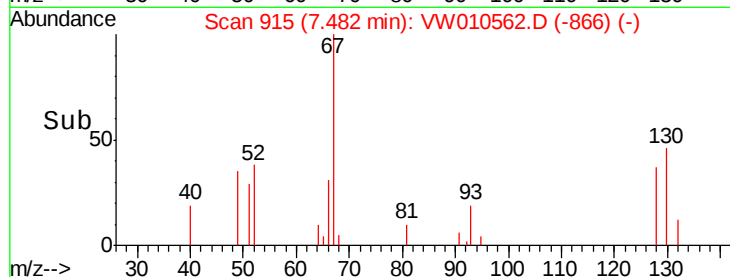
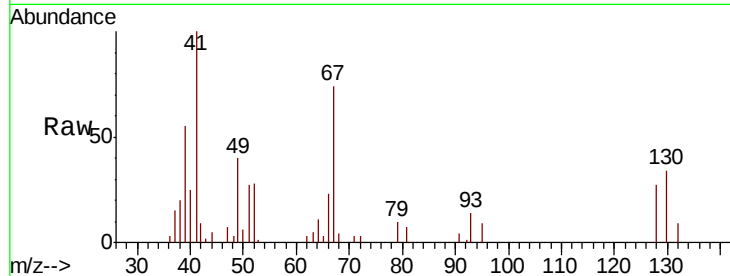




#41
Methacrylonitrile
Concen: 18.957 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW010562.D
Acq: 28 May 2019 12:56

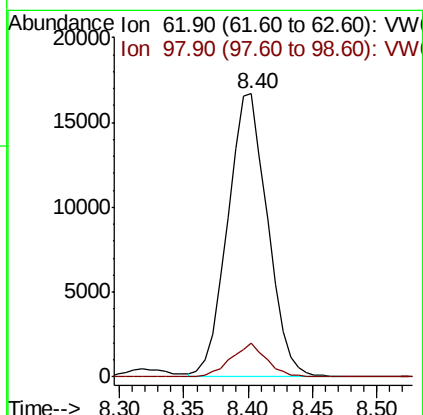
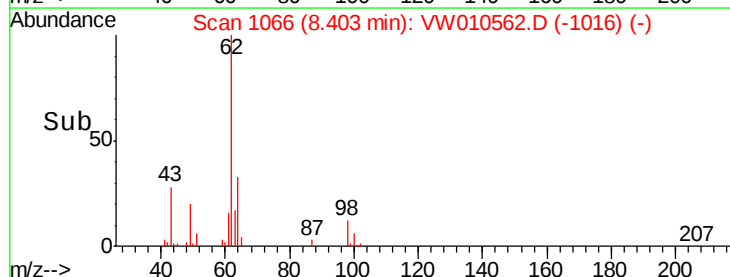
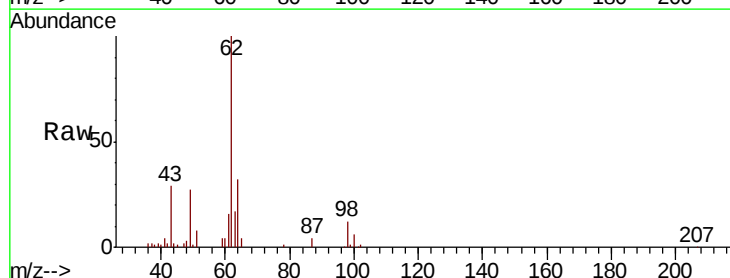
Instrument :
MSVOA_W
ClientSampleId :
VW0528SBS01

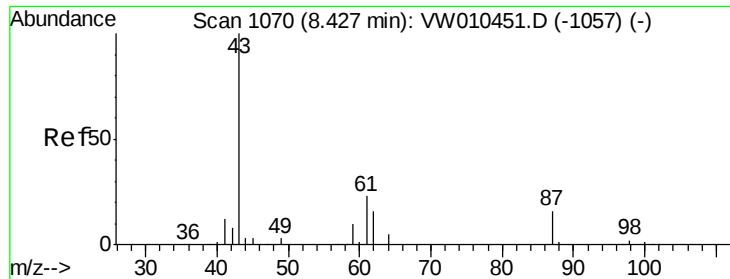
Tot Ion:	41	Resp:	10970
Ion	Ratio	Lower	Upper
41	100		
39	53.3	47.4	71.2
67	72.0	65.5	98.3
52	26.4	25.0	37.4



#42
1,2-Dichloroethane
Concen: 19.795 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW010562.D
Acq: 28 May 2019 12:56

Tgt Ion:	62	Resp:	36015
Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	21.0





#43

Isopropyl Acetate

Concen: 17.678 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW010562.D

Acq: 28 May 2019 12:56

Instrument :

MSVOA_W

ClientSampleId :

VW0528SBS01

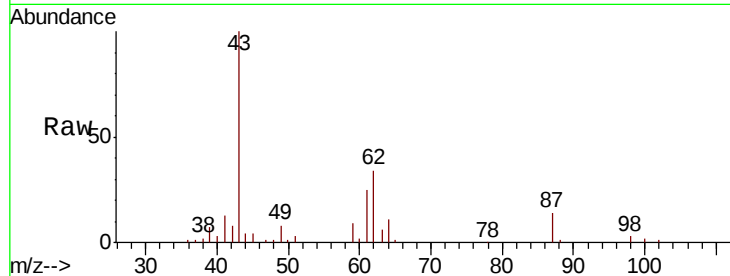
Tot Ion: 43 Resp: 34397

Ion Ratio Lower Upper

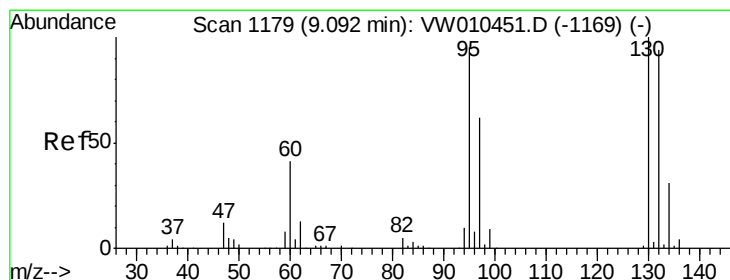
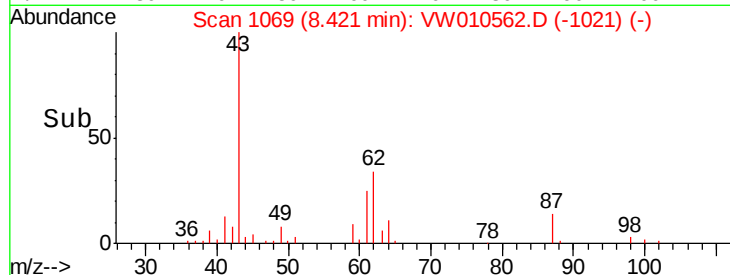
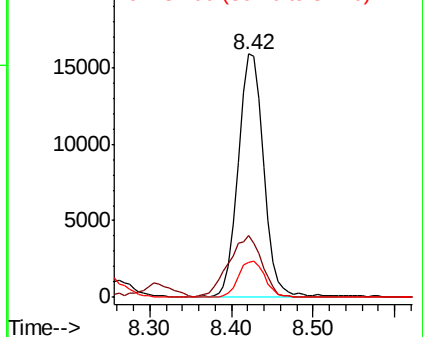
43 100

61 32.9 25.4 38.2

87 15.5 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: 21.432 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW010562.D

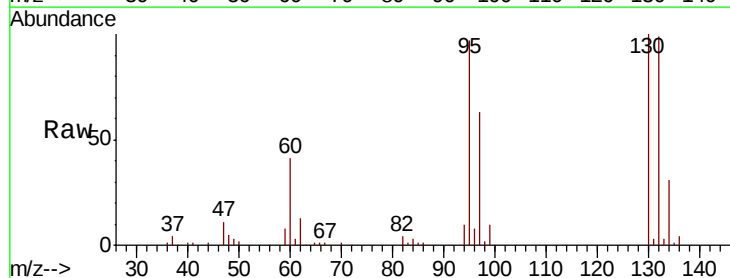
Acq: 28 May 2019 12:56

Tgt Ion:130 Resp: 40503

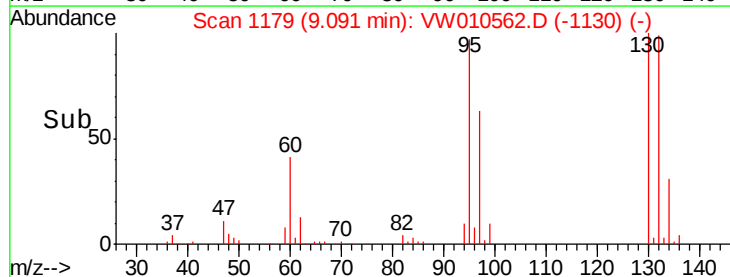
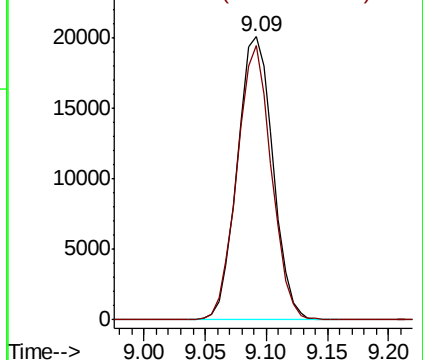
Ion Ratio Lower Upper

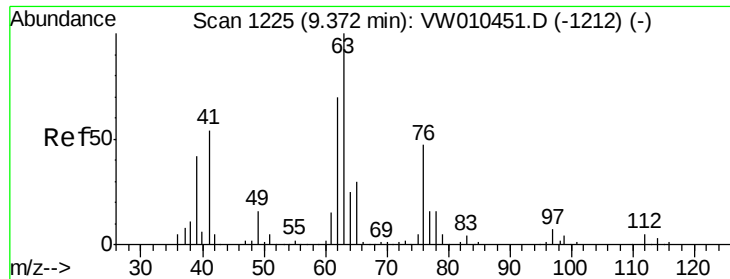
130 100

95 97.2 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: 20.372 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VW010562.D

Acq: 28 May 2019 12:56

Instrument :

MSVOA_W

ClientSampleId :

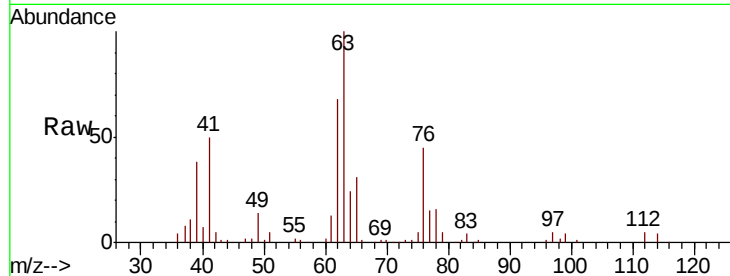
VW0528SBS01

Tot Ion: 63 Resp: 30799

Ion Ratio Lower Upper

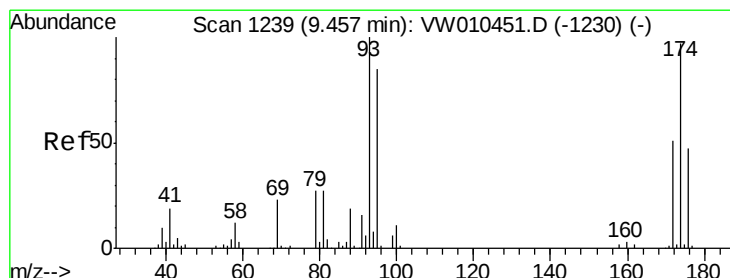
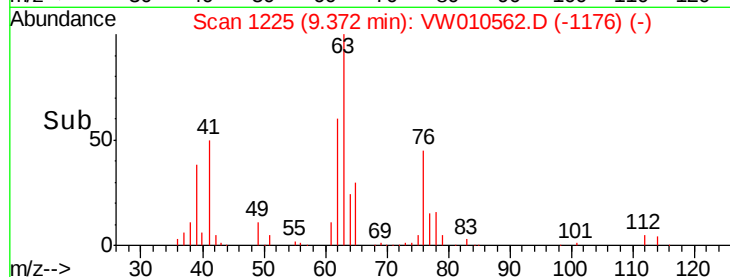
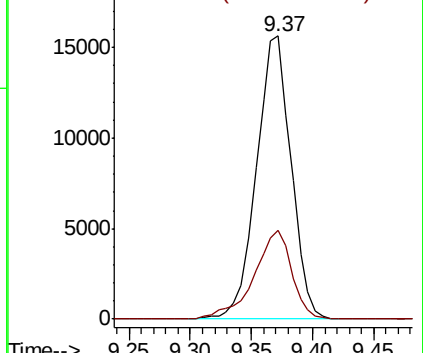
63 100

65 31.3 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: 19.864 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW010562.D

Acq: 28 May 2019 12:56

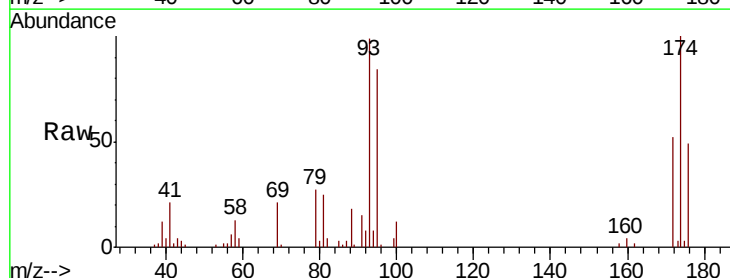
Tgt Ion: 93 Resp: 17563

Ion Ratio Lower Upper

93 100

95 83.1 66.1 99.1

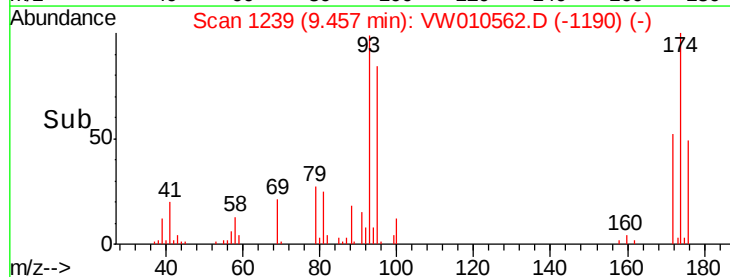
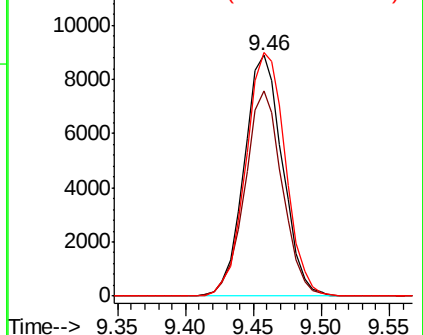
174 104.1 77.1 115.7

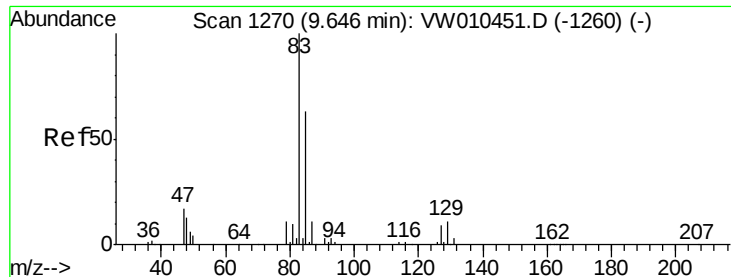


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V

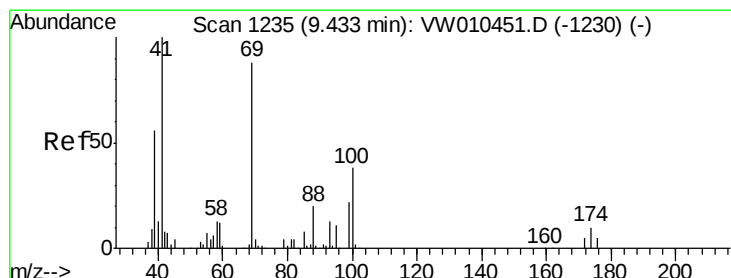
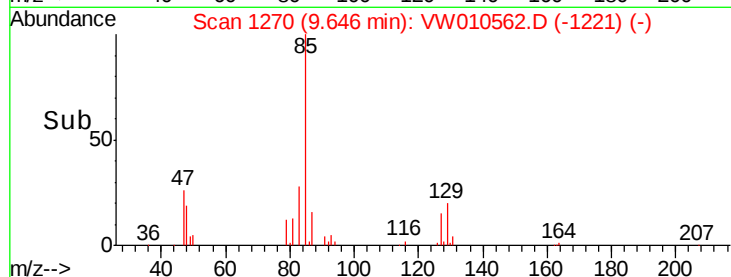
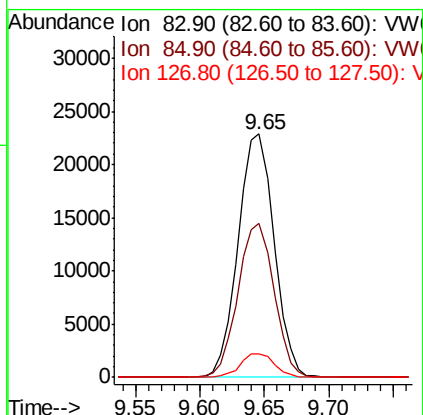
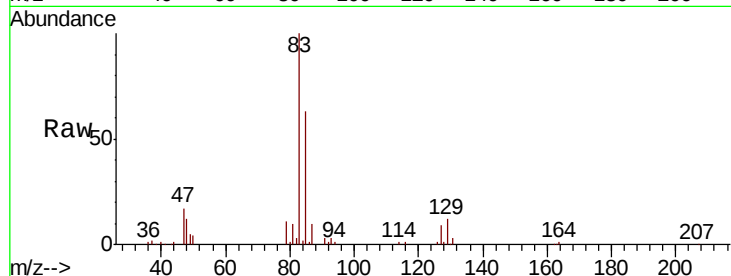




#47
Bromodichloromethane
Concen: 19.961 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VW010562.D
Acq: 28 May 2019 12:56

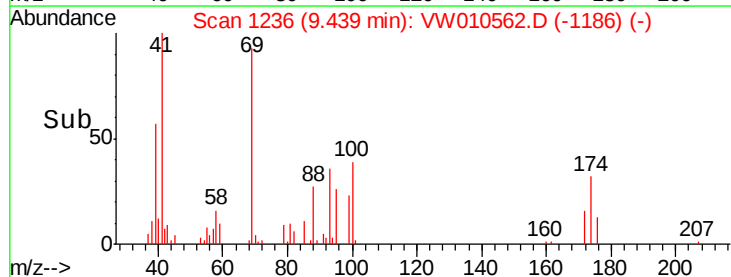
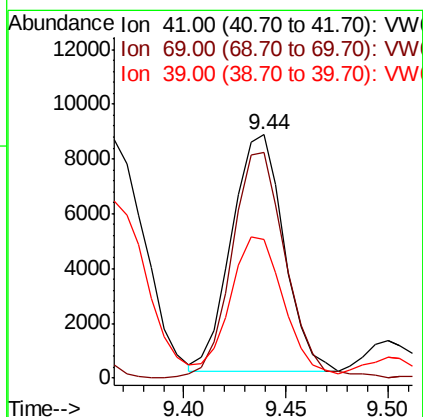
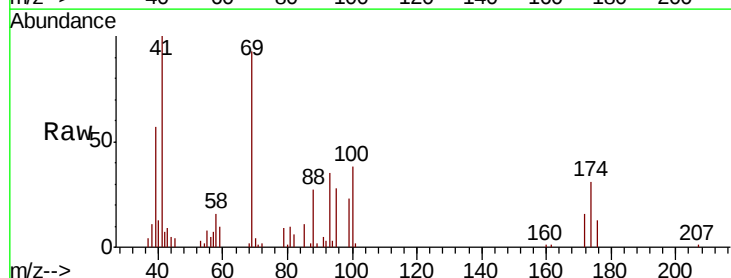
Instrument :
MSVOA_W
ClientSampleId :
VW0528SBS01

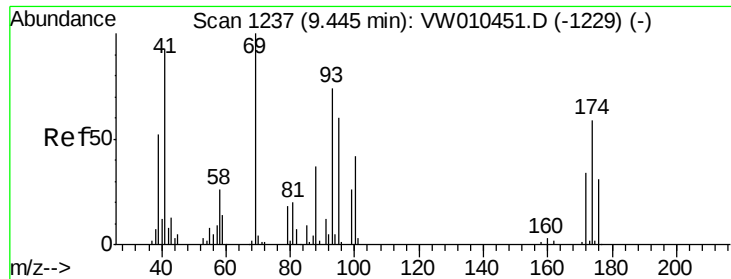
Tot Ion: 83 Resp: 44351
Ion Ratio Lower Upper
83 100
85 63.1 50.4 75.6
127 9.4 7.4 11.0



#48
Methyl methacrylate
Concen: 17.346 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.01 min
Lab File: VW010562.D
Acq: 28 May 2019 12:56

Tgt Ion: 41 Resp: 15440
Ion Ratio Lower Upper
41 100
69 98.3 77.6 116.4
39 58.3 49.8 74.8

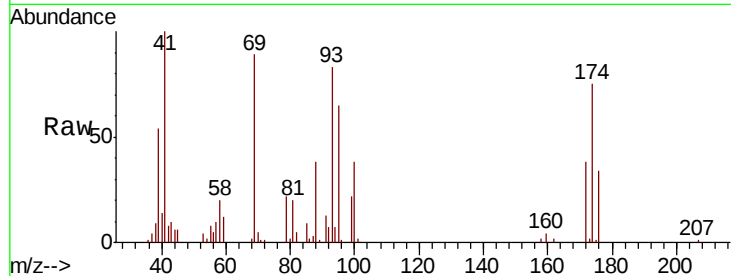




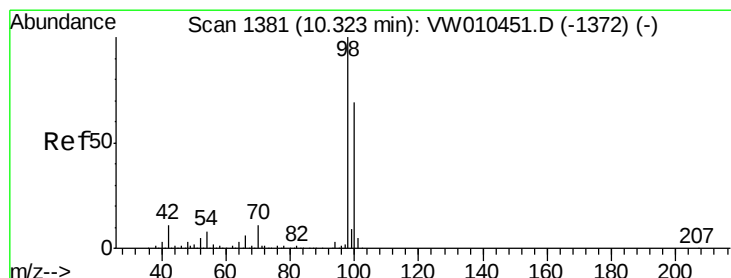
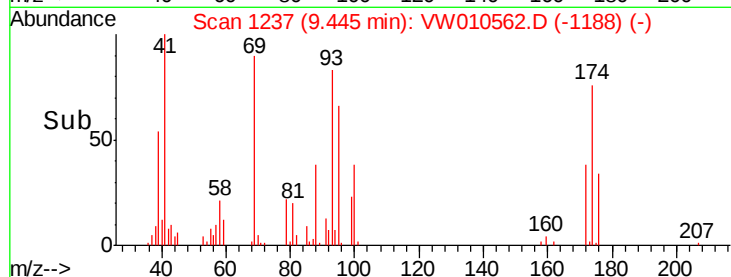
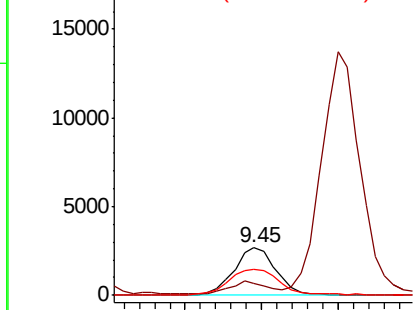
#49
1,4-Dioxane
Concen: 350.684 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW010562.D
Acq: 28 May 2019 12:56

Instrument :
MSVOA_W
ClientSampleId :
VW0528SBS01

Tot Ion: 88 Resp: 5065
Ion Ratio Lower Upper
88 100
43 24.1 25.9 38.9#
58 68.4 52.7 79.1

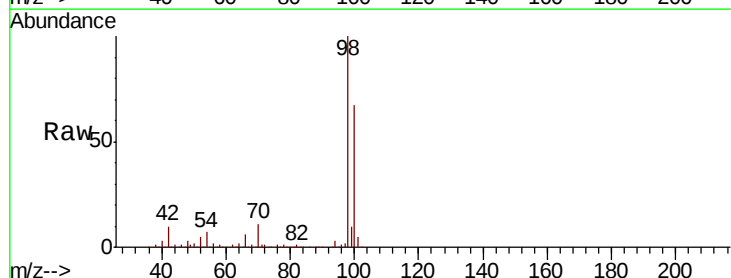


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

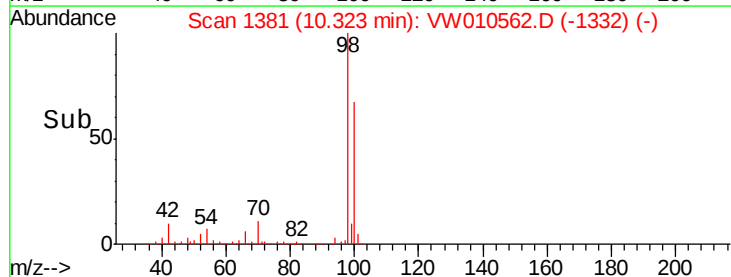
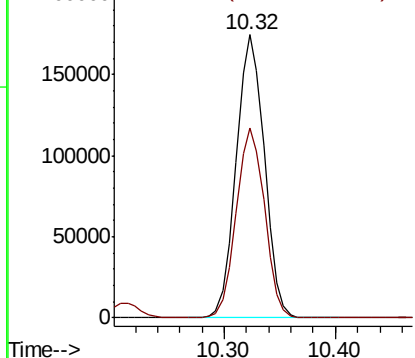


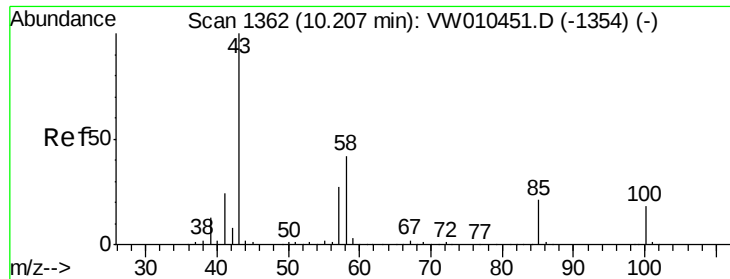
#50
Toluene-d8
Concen: 53.684 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010562.D
Acq: 28 May 2019 12:56

Tgt Ion: 98 Resp: 305948
Ion Ratio Lower Upper
98 100
100 67.6 53.7 80.5



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





#51

4-Methyl-2-Pentanone

Concen: 84.910 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW010562.D

Acq: 28 May 2019 12:56

Instrument :

MSVOA_W

ClientSampleId :

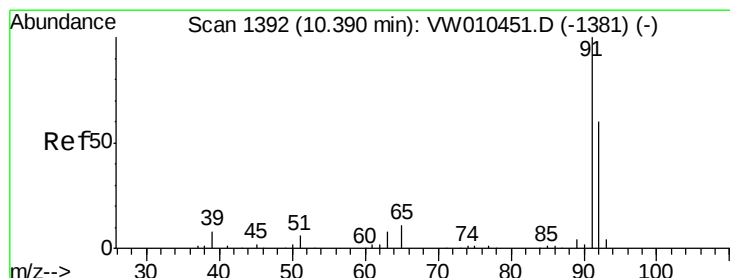
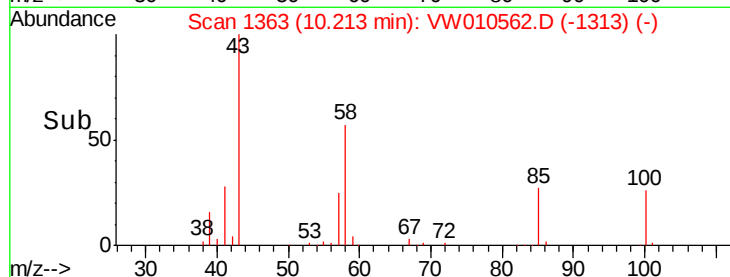
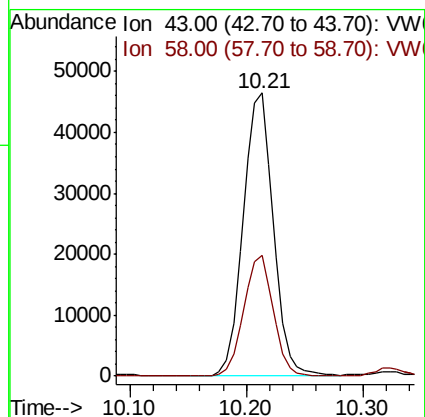
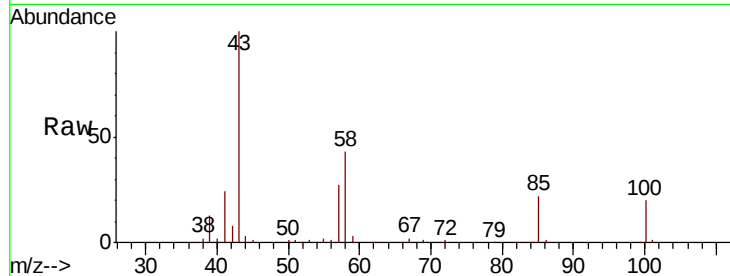
VW0528SBS01

Tot Ion: 43 Resp: 83716

Ion Ratio Lower Upper

43 100

58 42.0 33.2 49.8



#52

Toluene

Concen: 20.988 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010562.D

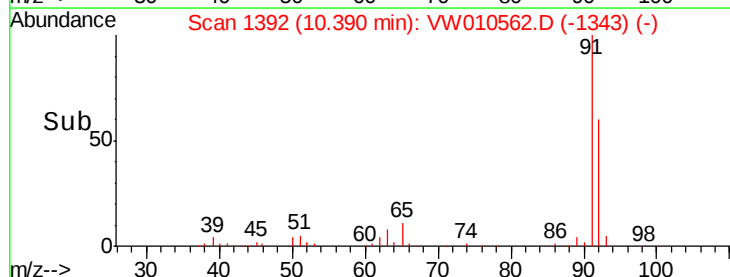
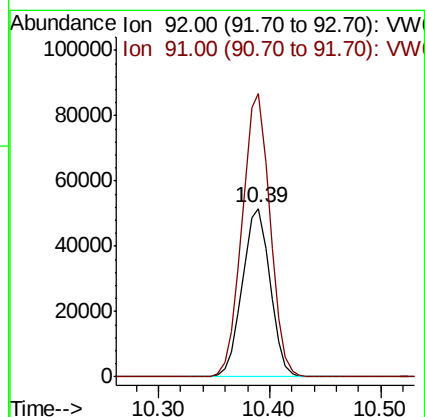
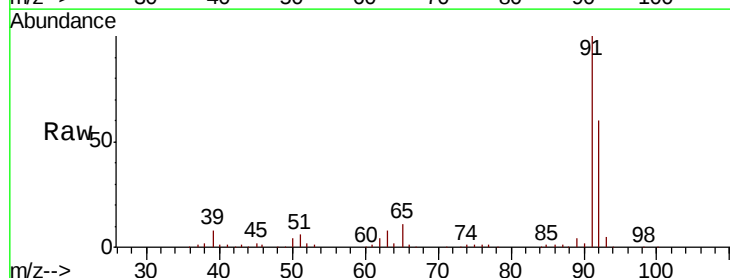
Acq: 28 May 2019 12:56

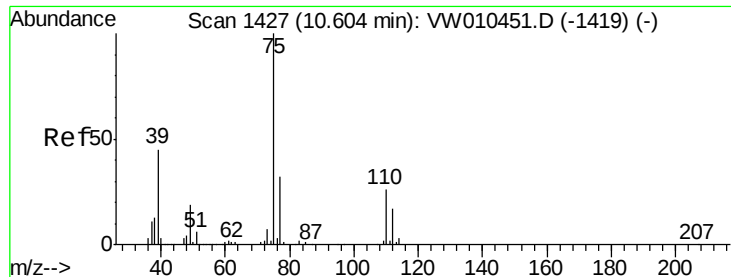
Tgt Ion: 92 Resp: 89723

Ion Ratio Lower Upper

92 100

91 168.6 135.4 203.0





#53

t-1,3-Dichloropropene

Concen: 19.359 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW010562.D

Acq: 28 May 2019 12:56

Instrument :

MSVOA_W

ClientSampled :

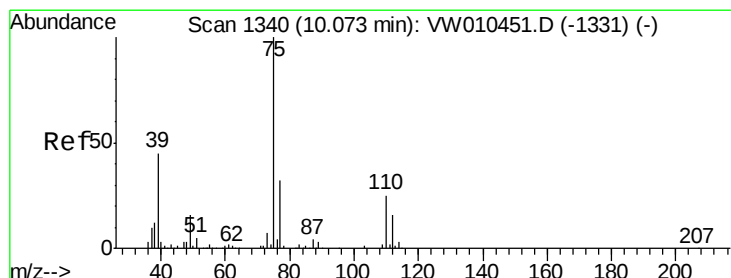
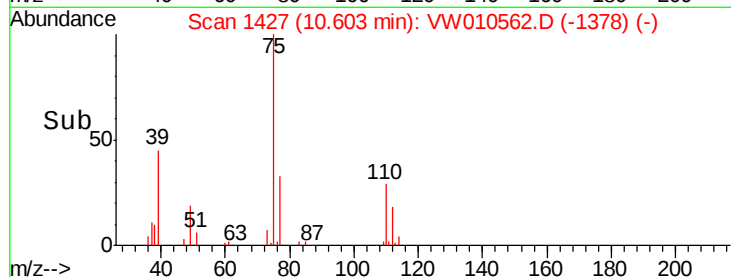
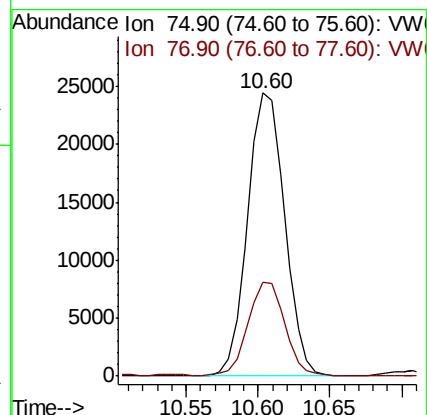
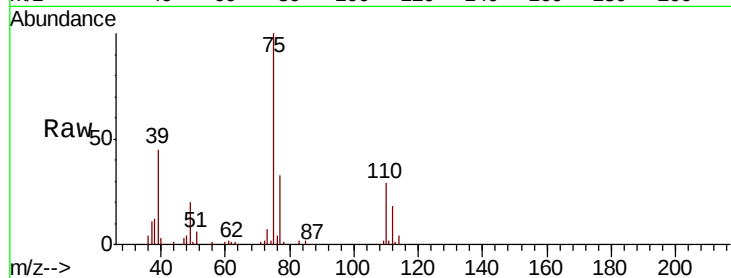
VW0528SBS01

Tot Ion: 75 Resp: 43562

Ion Ratio Lower Upper

75 100

77 32.8 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 19.995 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW010562.D

Acq: 28 May 2019 12:56

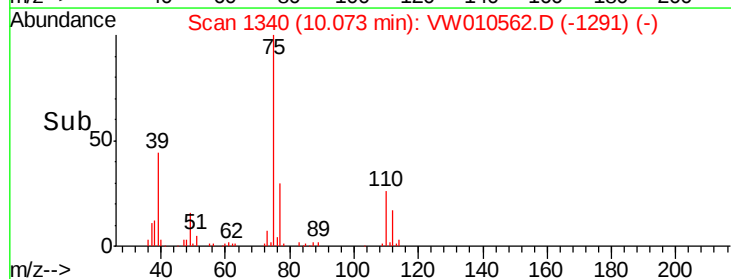
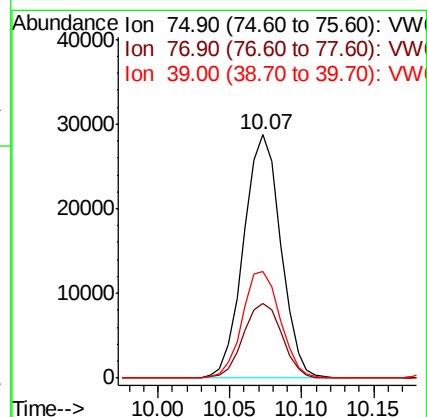
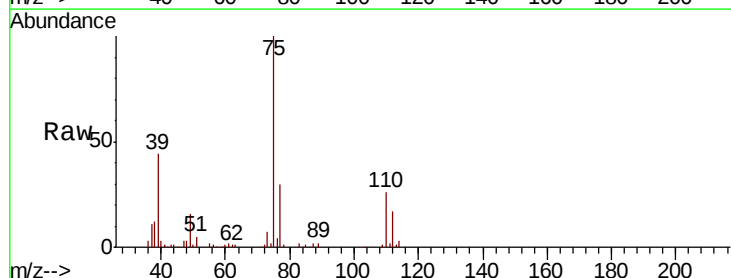
Tgt Ion: 75 Resp: 51386

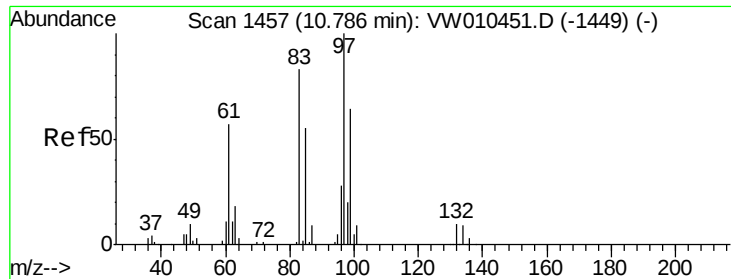
Ion Ratio Lower Upper

75 100

77 30.5 25.7 38.5

39 44.0 36.2 54.4

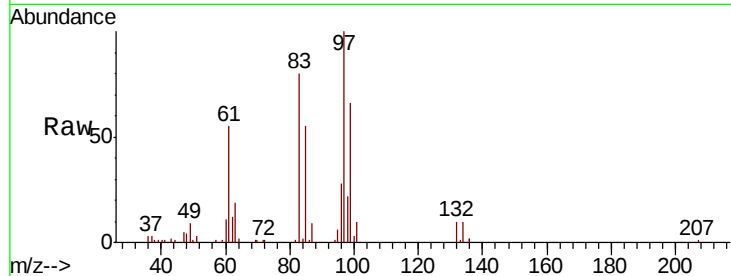




#55
 1,1,2-Trichloroethane
 Concen: 19.682 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW010562.D
 Acq: 28 May 2019 12:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0528SBS01

Tot Ion:	97	Resp:	25024
Ion	Ratio	Lower	Upper
97	100		
83	79.6	66.1	99.1
85	54.7	44.2	66.4
99	65.7	51.1	76.7



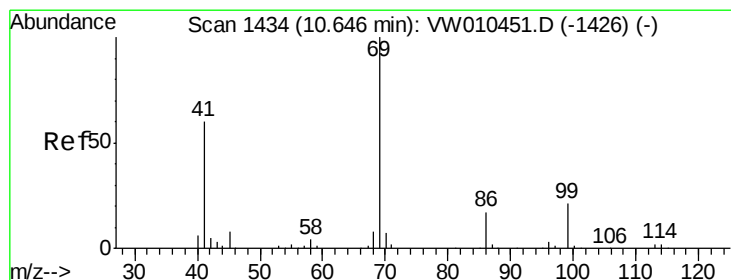
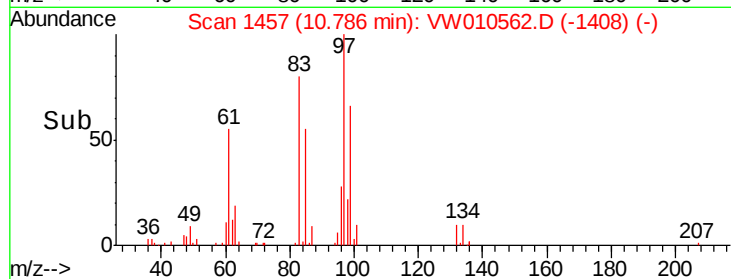
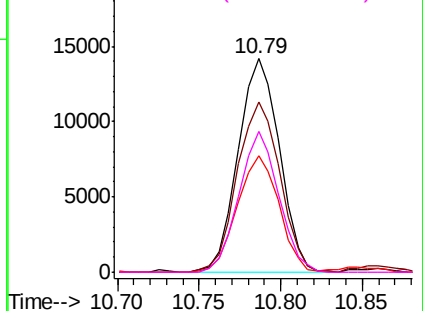
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

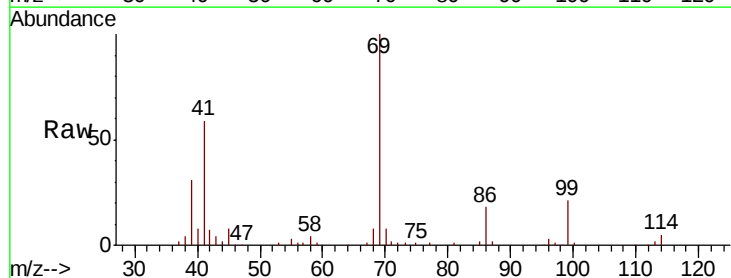
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 17.746 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW010562.D
 Acq: 28 May 2019 12:56

Tgt Ion:	69	Resp:	31117
Ion	Ratio	Lower	Upper
69	100		
41	61.3	47.7	71.5
39	30.3	25.3	37.9

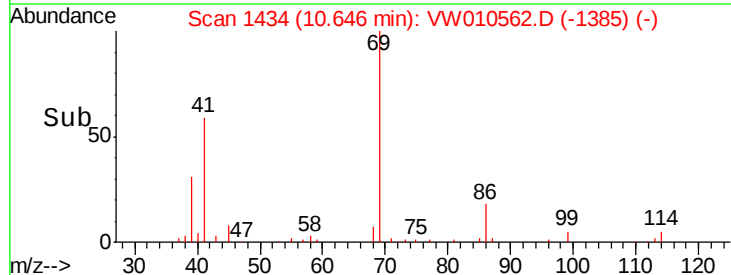
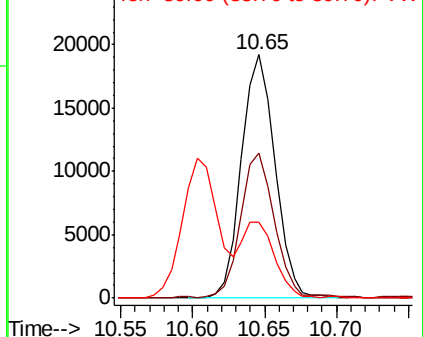


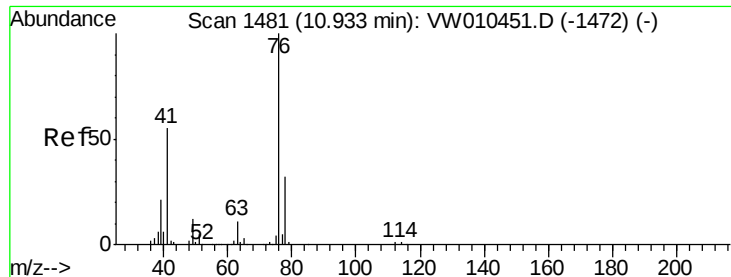
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

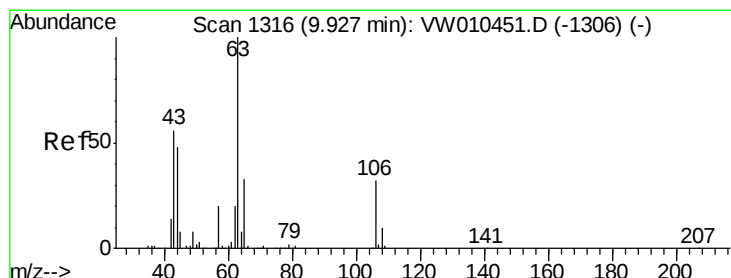
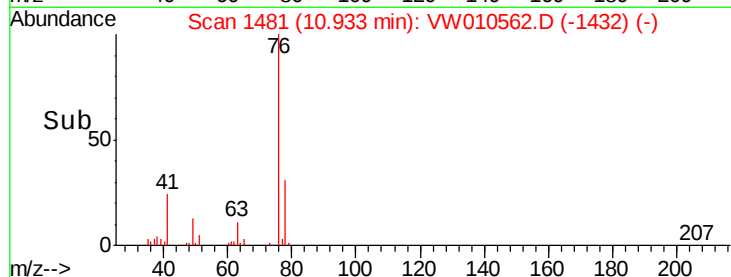
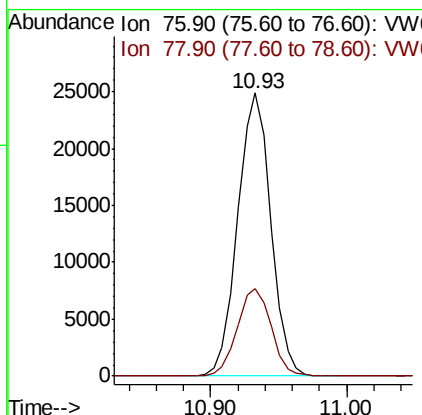
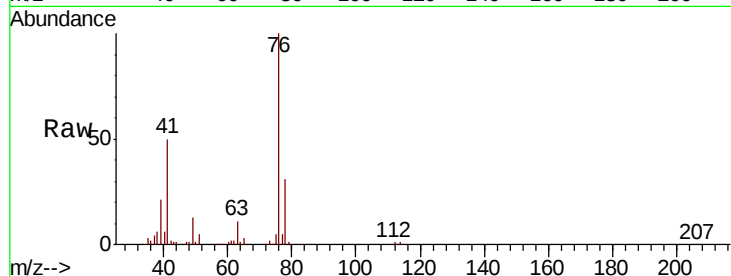




#57
 1,3-Dichloropropane
 Concen: 19.782 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW010562.D
 Acq: 28 May 2019 12:56

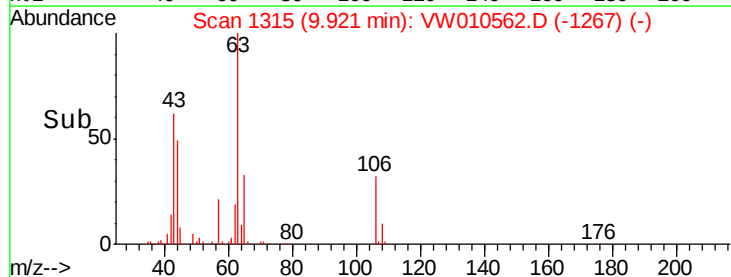
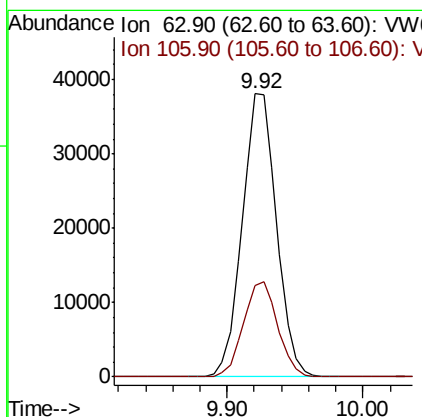
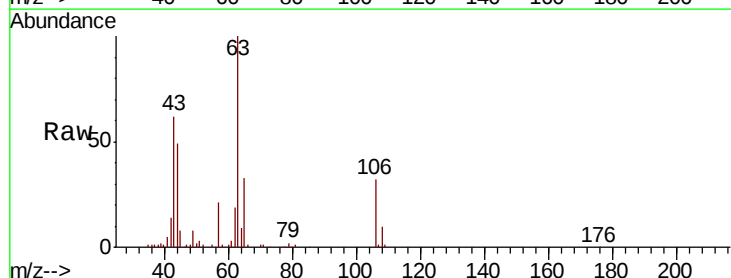
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0528SBS01

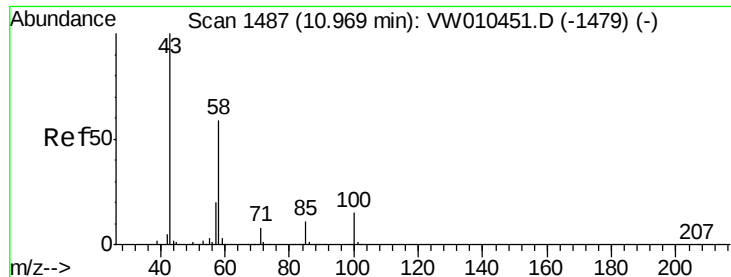
Tot Ion: 76 Resp: 42131
 Ion Ratio Lower Upper
 76 100
 78 31.8 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 86.361 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VW010562.D
 Acq: 28 May 2019 12:56

Tgt Ion: 63 Resp: 67075
 Ion Ratio Lower Upper
 63 100
 106 33.6 25.8 38.6

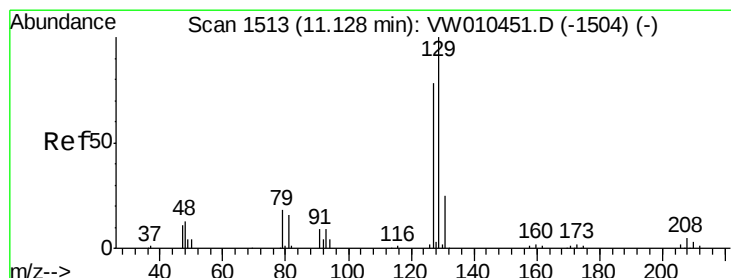
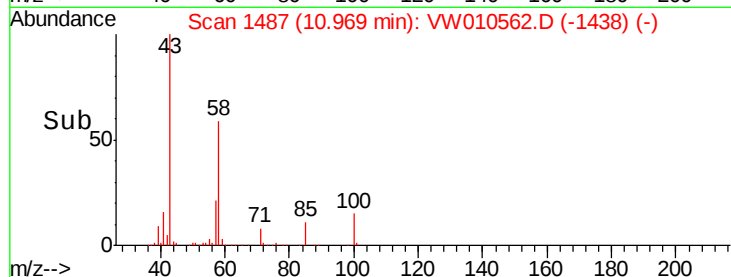
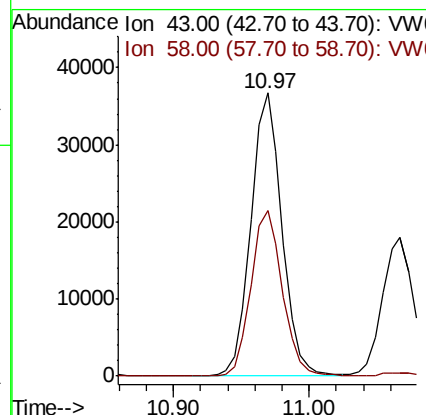
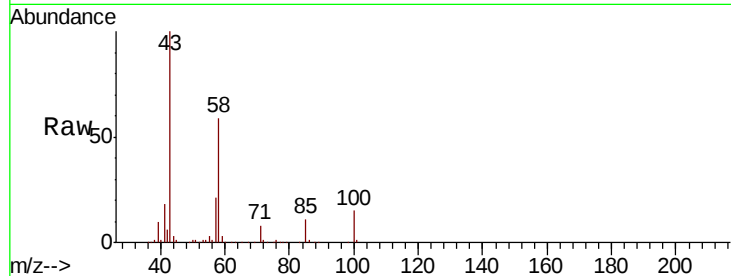




#59
2-Hexanone
Concen: 83.560 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010562.D
Acq: 28 May 2019 12:56

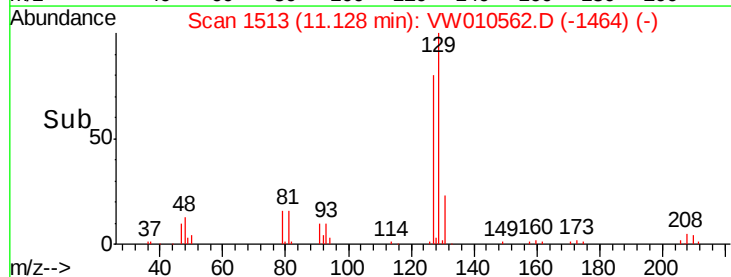
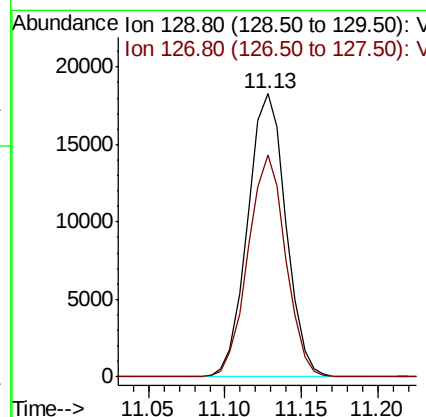
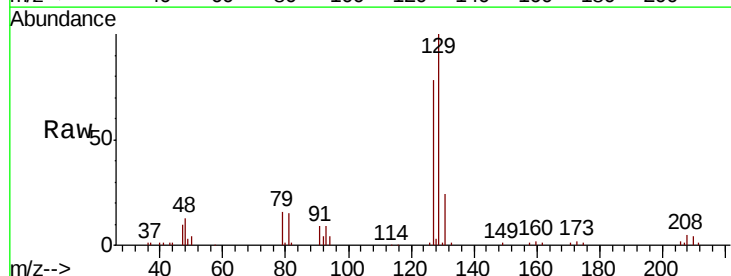
Instrument :
MSVOA_W
ClientSampleId :
VW0528SBS01

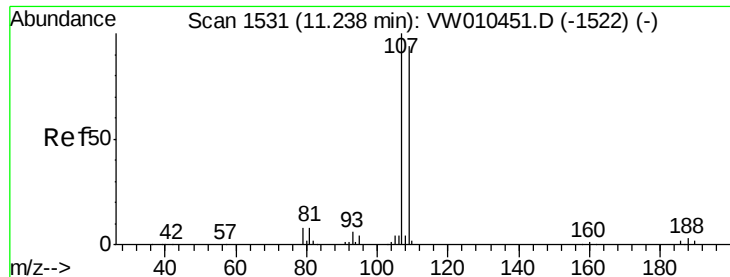
Tot Ion: 43 Resp: 58769
Ion Ratio Lower Upper
43 100
58 59.3 28.9 86.8



#60
Dibromochloromethane
Concen: 19.731 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010562.D
Acq: 28 May 2019 12:56

Tgt Ion: 129 Resp: 31750
Ion Ratio Lower Upper
129 100
127 77.2 38.9 116.7

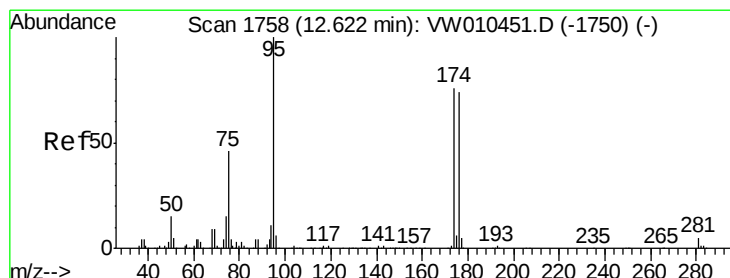
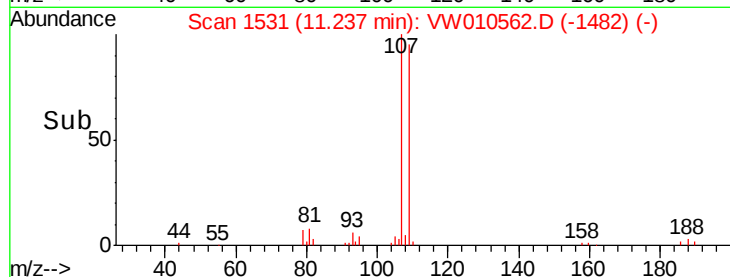
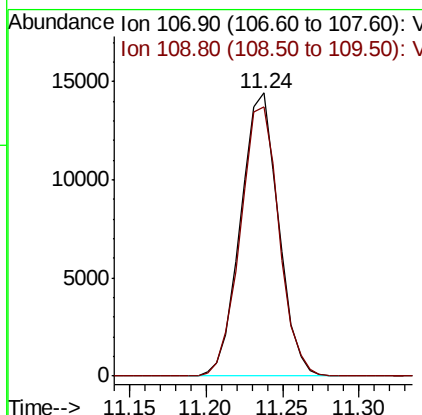
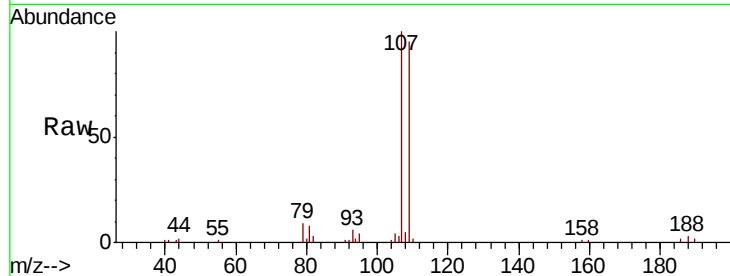




#61
 1,2-Dibromoethane
 Concen: 19.288 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW010562.D
 Acq: 28 May 2019 12:56

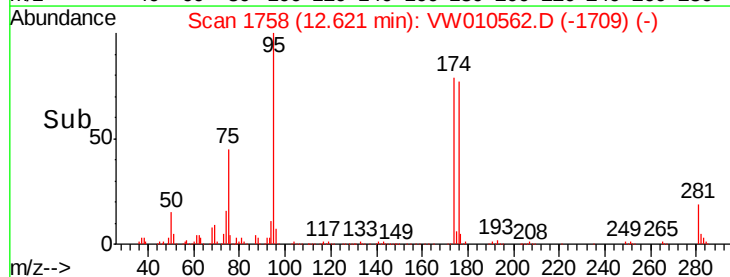
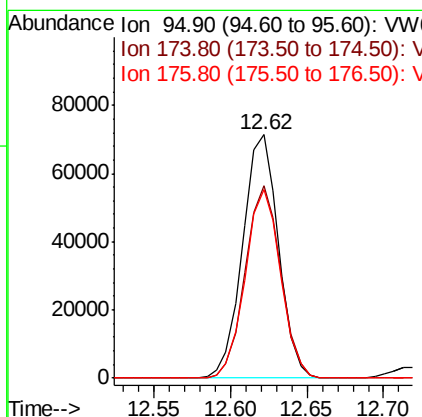
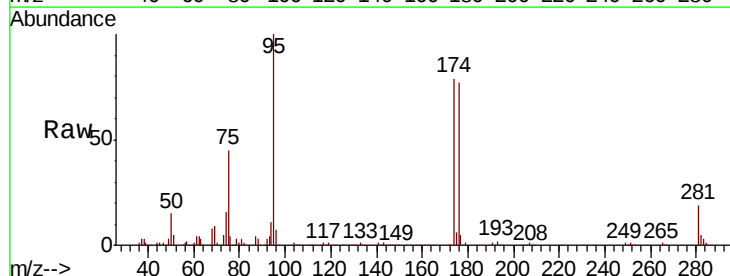
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0528SBS01

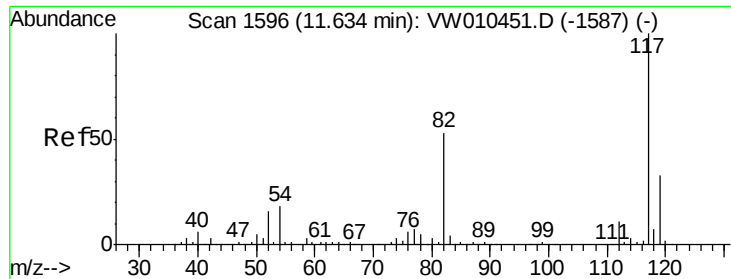
Tot Ion: 107 Resp: 24842
 Ion Ratio Lower Upper
 107 100
 109 97.0 75.0 112.4



#62
 4-Bromofluorobenzene
 Concen: 51.030 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW010562.D
 Acq: 28 May 2019 12:56

Tgt Ion: 95 Resp: 115840
 Ion Ratio Lower Upper
 95 100
 174 78.6 0.0 148.6
 176 76.7 0.0 144.2

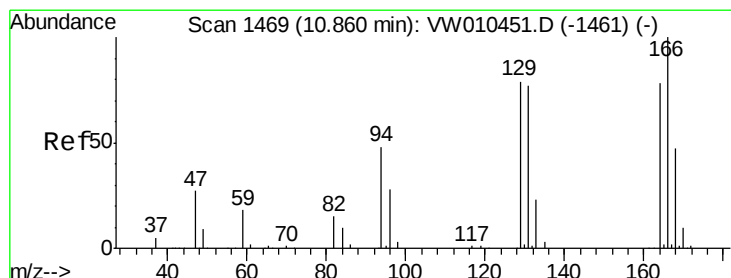
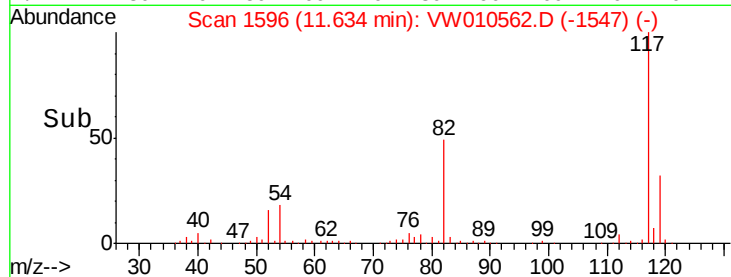
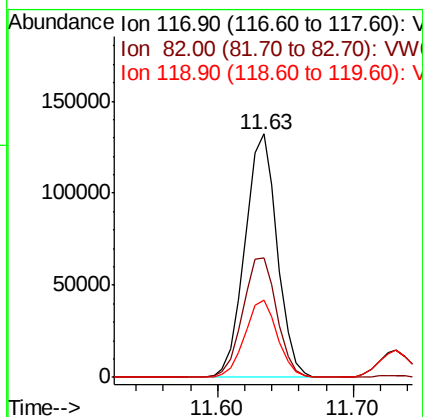
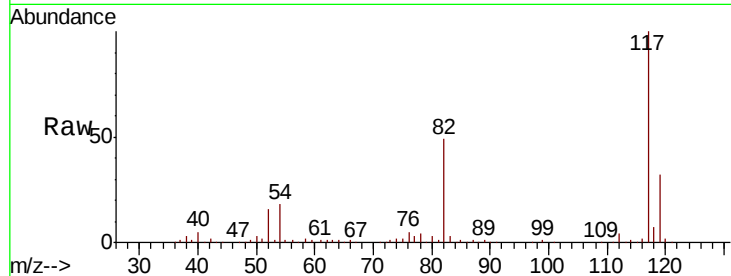




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010562.D
Acq: 28 May 2019 12:56

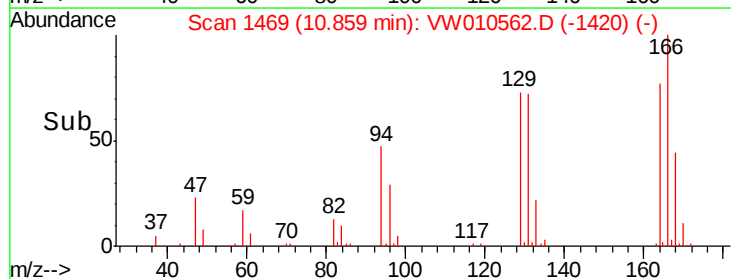
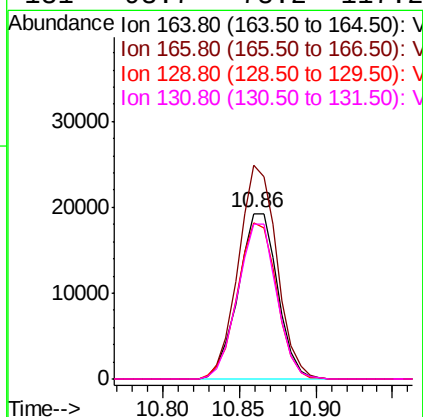
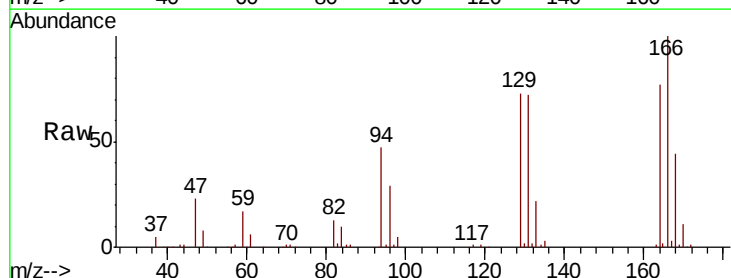
Instrument :
MSVOA_W
ClientSampleId :
VW0528SBS01

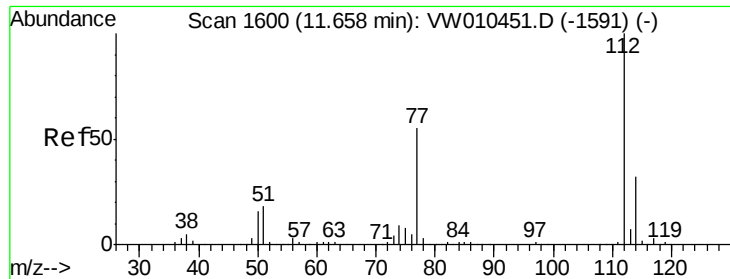
Tot Ion:117 Resp: 219407
Ion Ratio Lower Upper
117 100
82 49.3 42.8 64.2
119 32.0 26.3 39.5



#64
Tetrachloroethene
Concen: 22.468 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010562.D
Acq: 28 May 2019 12:56

Tgt Ion:164 Resp: 34364
Ion Ratio Lower Upper
164 100
166 129.3 101.9 152.9
129 94.6 80.6 121.0
131 93.7 78.2 117.2





#65

Chlorobenzene

Concen: 21.453 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW010562.D

Acq: 28 May 2019 12:56

Instrument :

MSVOA_W

ClientSampleId :

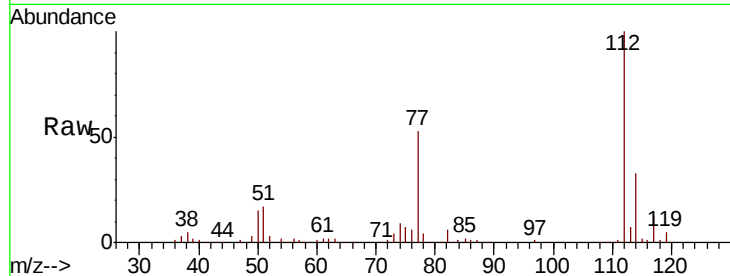
VW0528SBS01

Tot Ion:112 Resp: 100315

Ion Ratio Lower Upper

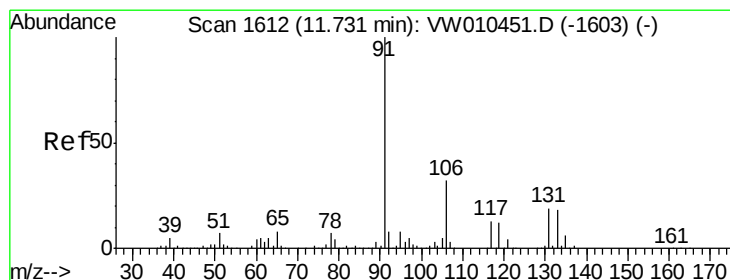
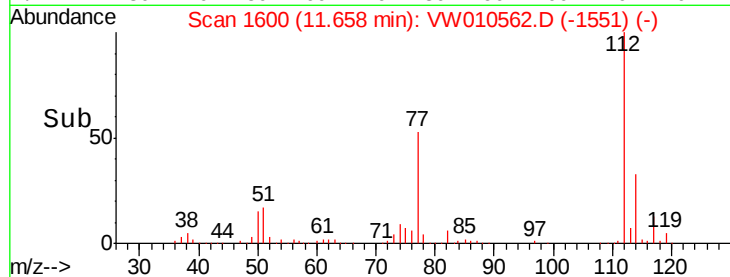
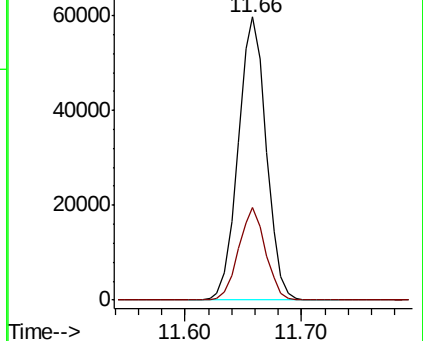
112 100

114 32.9 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 22.126 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW010562.D

Acq: 28 May 2019 12:56

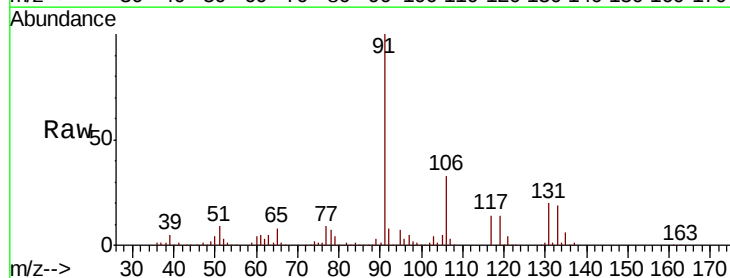
Tgt Ion:131 Resp: 37063

Ion Ratio Lower Upper

131 100

133 92.4 47.3 141.9

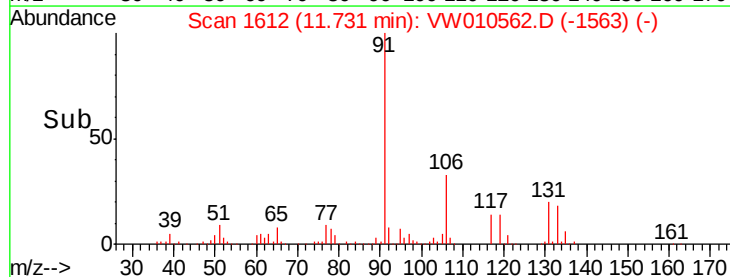
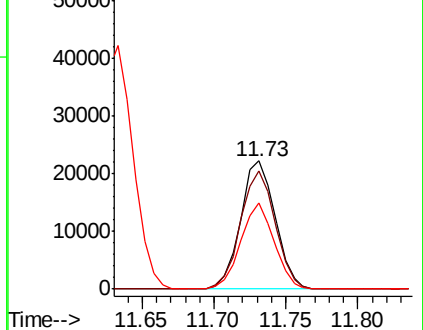
119 64.3 32.1 96.5

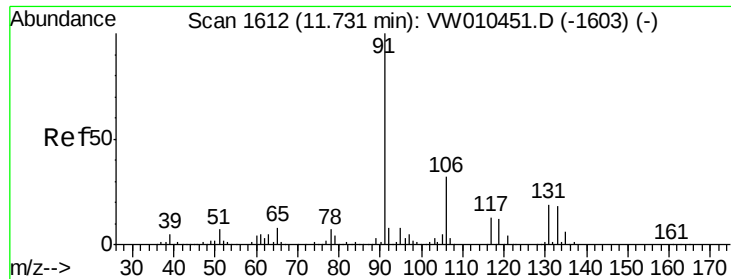


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

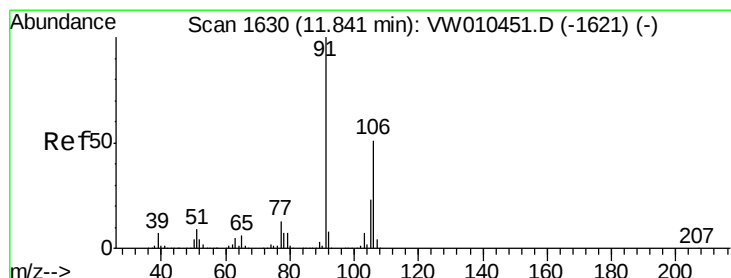
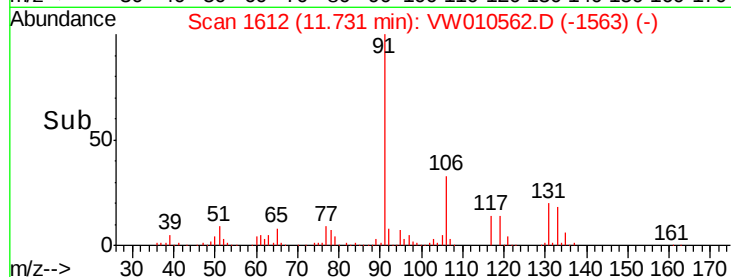
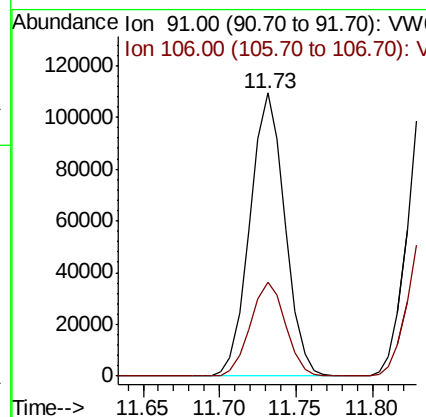
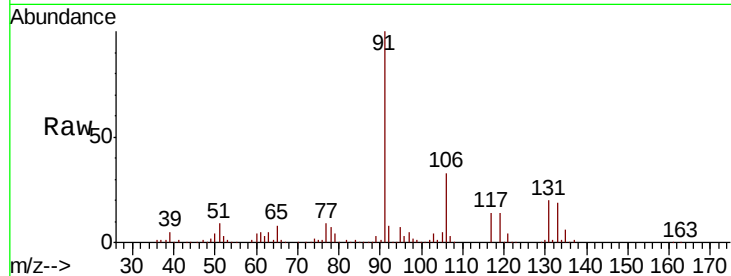




#67
Ethyl Benzene
Concen: 21.044 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010562.D
Acq: 28 May 2019 12:56

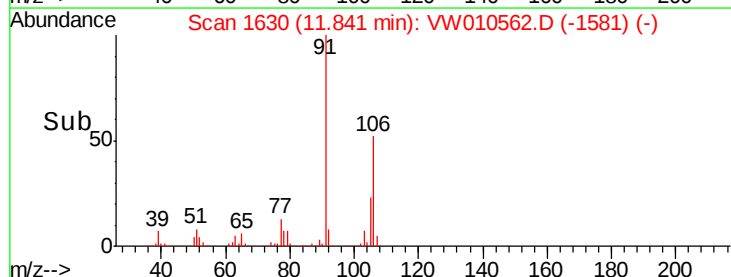
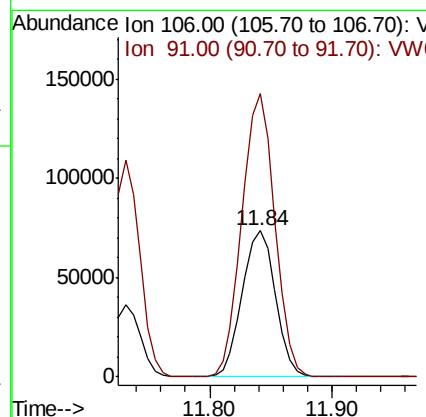
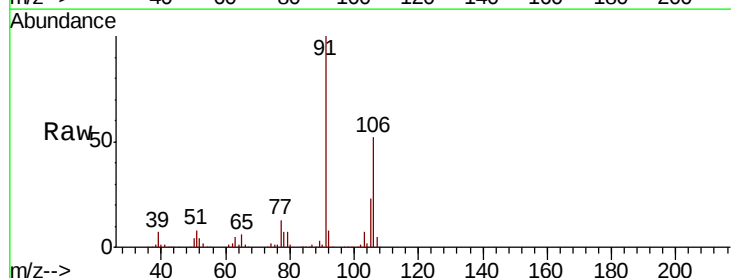
Instrument :
MSVOA_W
ClientSampled :
VW0528SBS01

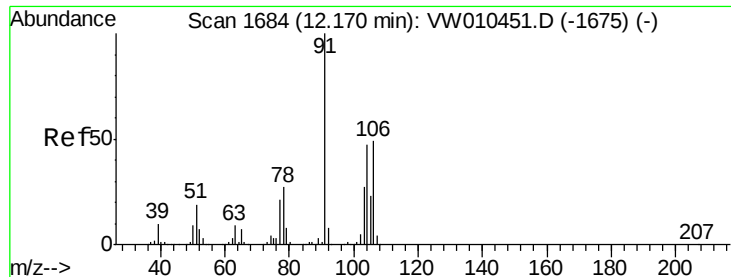
Tot Ion: 91 Resp: 173731
Ion Ratio Lower Upper
91 100
106 33.1 25.9 38.9



#68
m/p-Xylenes
Concen: 43.013 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010562.D
Acq: 28 May 2019 12:56

Tgt Ion:106 Resp: 139285
Ion Ratio Lower Upper
106 100
91 191.5 156.0 234.0

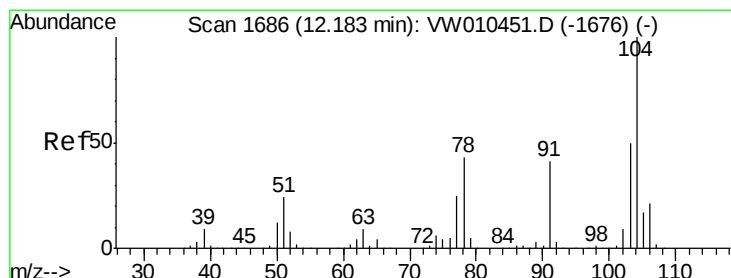
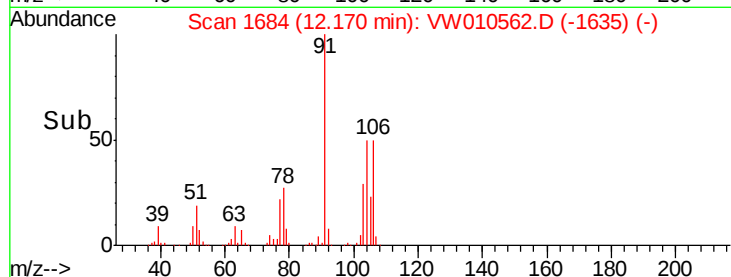
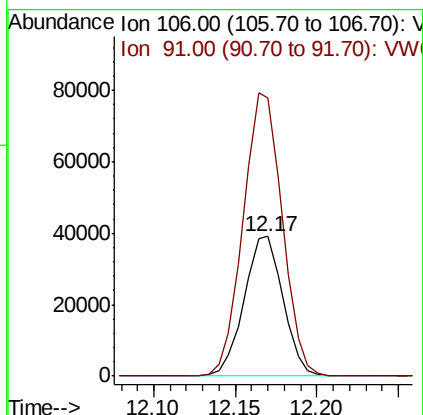
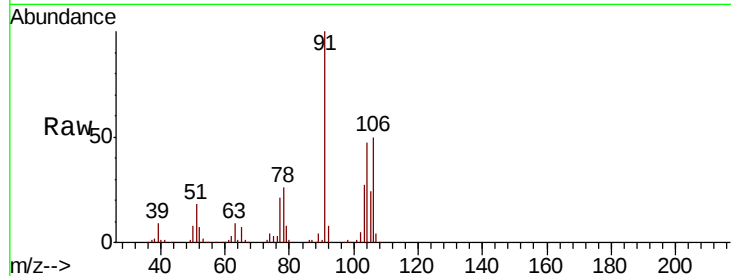




#69
o-Xylene
Concen: 21.191 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW010562.D
Acq: 28 May 2019 12:56

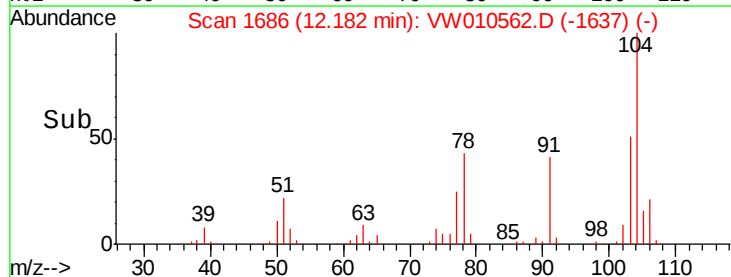
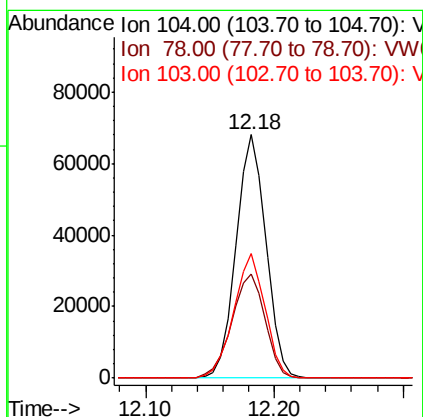
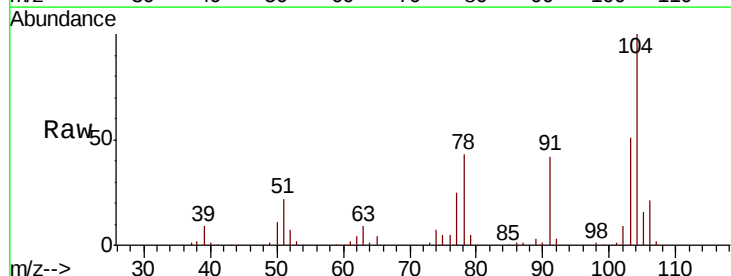
Instrument :
MSVOA_W
ClientSampled :
VW0528SBS01

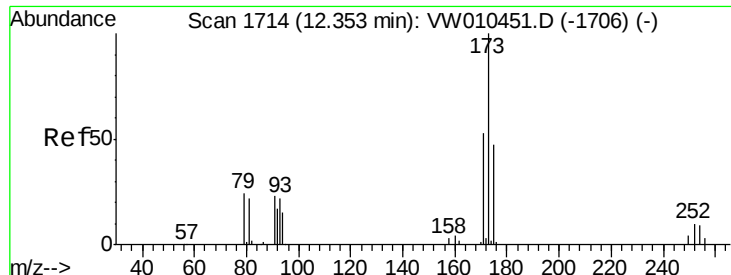
Tot Ion:106 Resp: 65015
Ion Ratio Lower Upper
106 100
91 203.7 103.2 309.4



#70
Styrene
Concen: 21.056 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010562.D
Acq: 28 May 2019 12:56

Tgt Ion:104 Resp: 109610
Ion Ratio Lower Upper
104 100
78 47.8 39.0 58.4
103 53.6 43.0 64.6





#71

Bromoform

Concen: 19.199 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW010562.D

Acq: 28 May 2019 12:56

Instrument :

MSVOA_W

ClientSampled :

VW0528SBS01

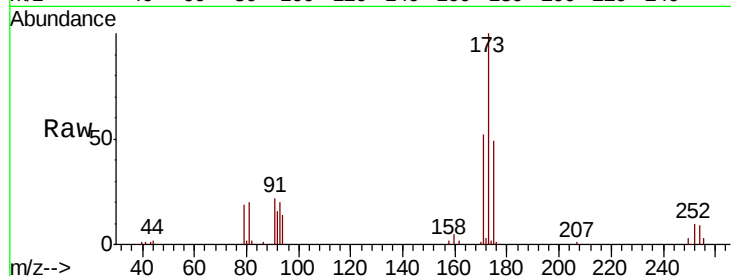
Tot Ion:173 Resp: 17710

Ion Ratio Lower Upper

173 100

175 47.9 24.4 73.4

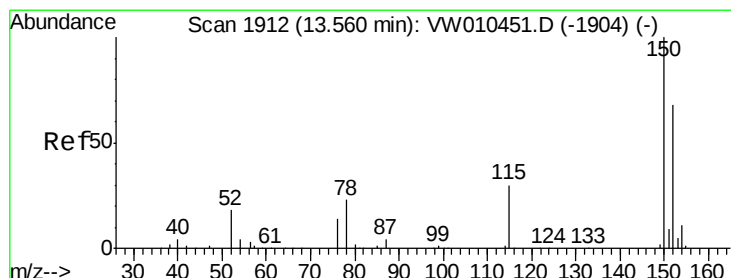
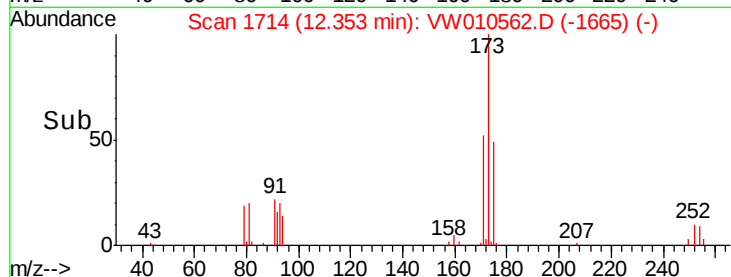
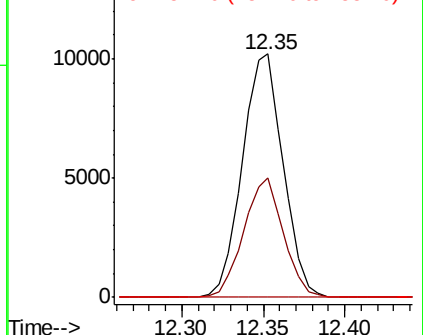
254 0.0 0.0 0.0



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: VW010562.D

Acq: 28 May 2019 12:56

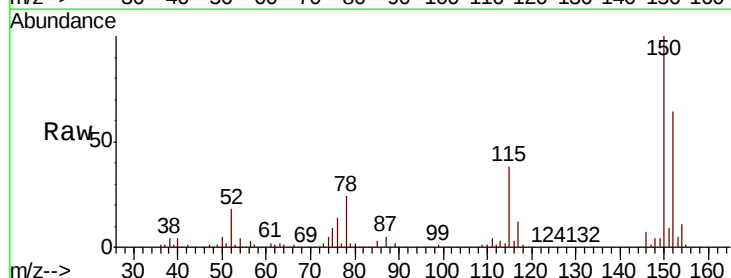
Tgt Ion:152 Resp: 109096

Ion Ratio Lower Upper

152 100

115 60.1 30.3 91.0

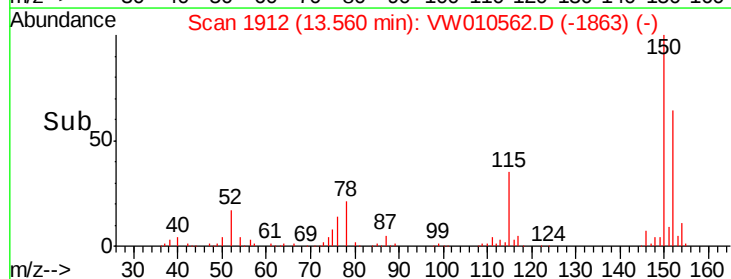
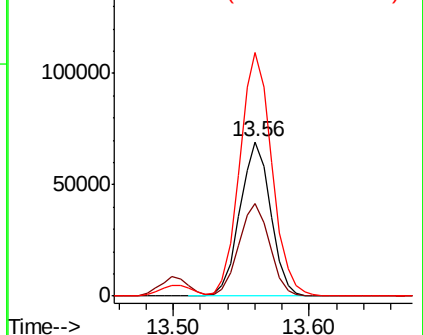
150 164.9 0.0 349.8

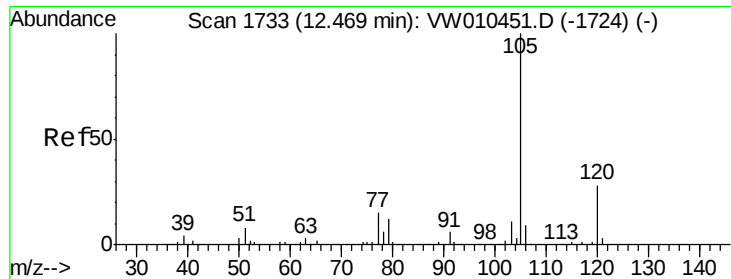


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.733 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW010562.D

Acq: 28 May 2019 12:56

Instrument :

MSVOA_W

ClientSampleId :

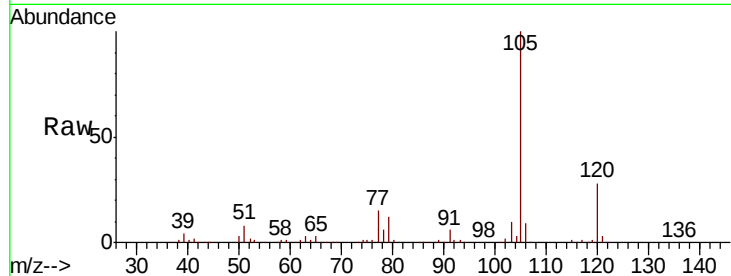
VW0528SBS01

Tot Ion: 105 Resp: 179490

Ion Ratio Lower Upper

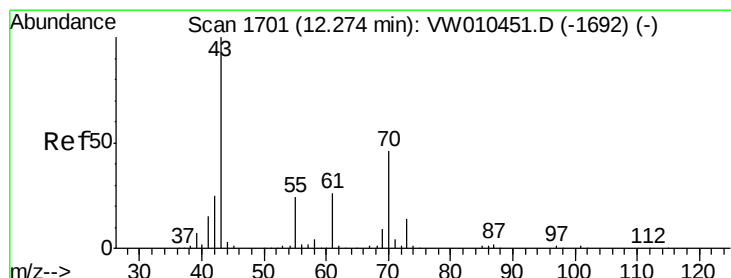
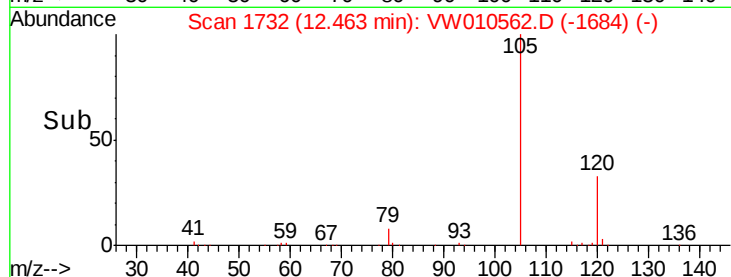
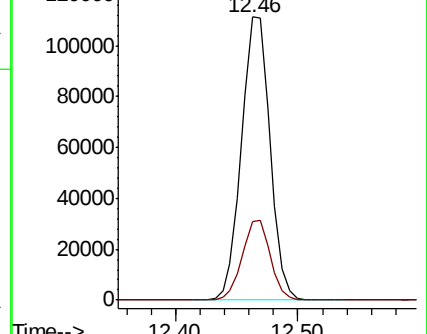
105 100

120 27.8 13.9 41.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 16.228 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW010562.D

Acq: 28 May 2019 12:56

Tgt Ion: 43 Resp: 32193

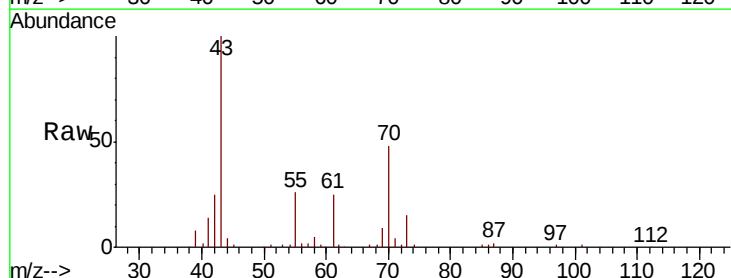
Ion Ratio Lower Upper

43 100

70 48.0 37.1 55.7

55 25.6 19.6 29.4

61 26.7 20.7 31.1

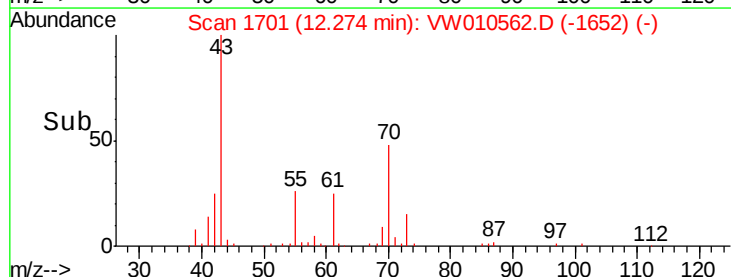
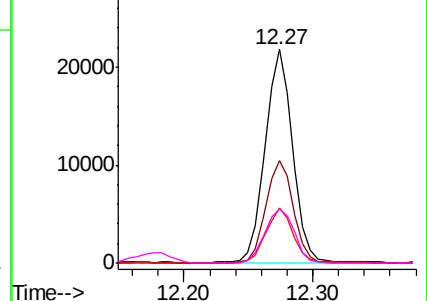


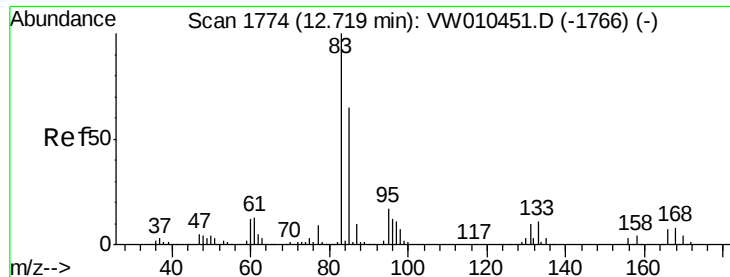
Abundance Ion 43.00 (42.70 to 43.70): VW

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





#75

1,1,2,2-Tetrachloroethane

Concen: 16.996 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW010562.D

Acq: 28 May 2019 12:56

Instrument :

MSVOA_W

ClientSampleId :

VW0528SBS01

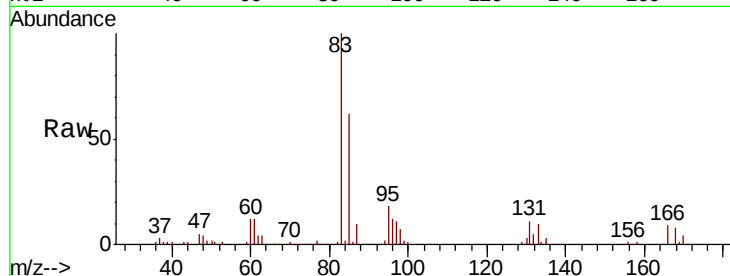
Tot Ion: 83 Resp: 26763

Ion Ratio Lower Upper

83 100

131 11.6 5.6 16.8

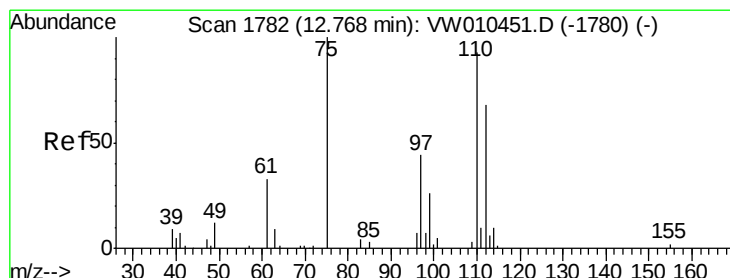
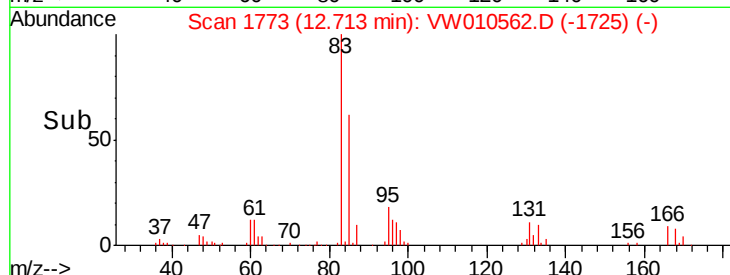
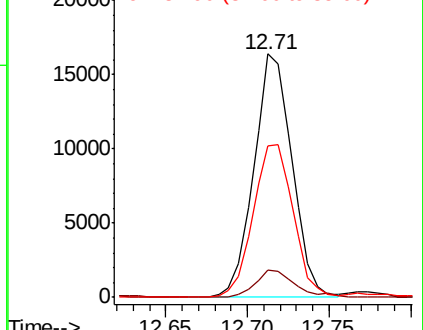
85 65.7 32.4 97.0



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: 31.502 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW010562.D

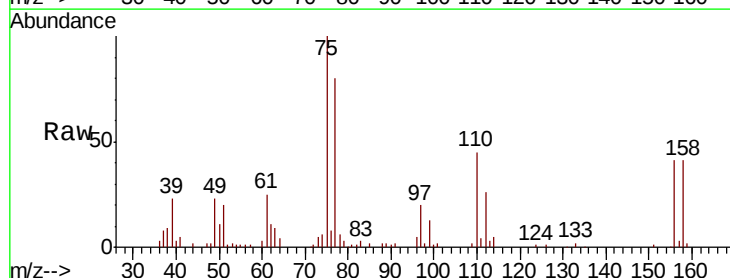
Acq: 28 May 2019 12:56

Tgt Ion: 75 Resp: 34885

Ion Ratio Lower Upper

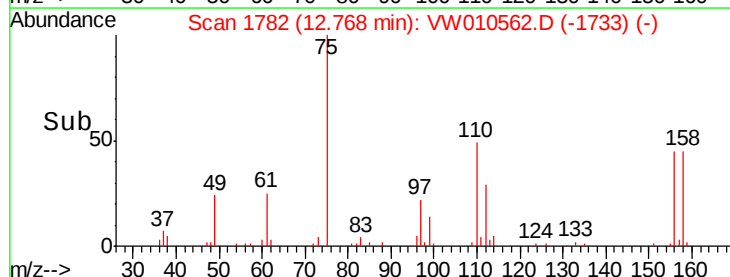
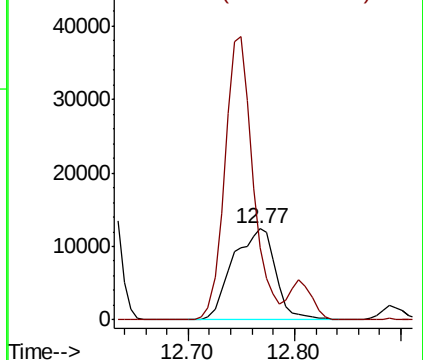
75 100

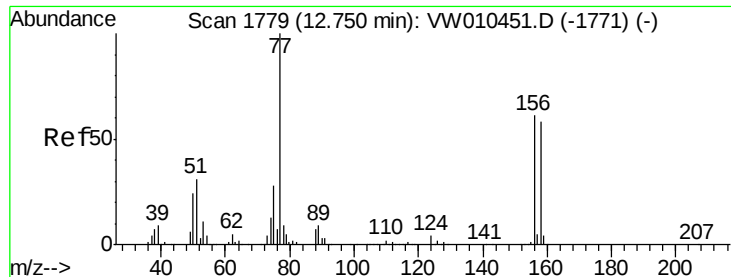
77 205.9 170.0 510.1



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

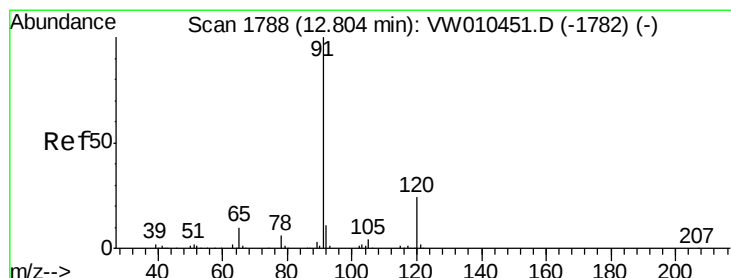
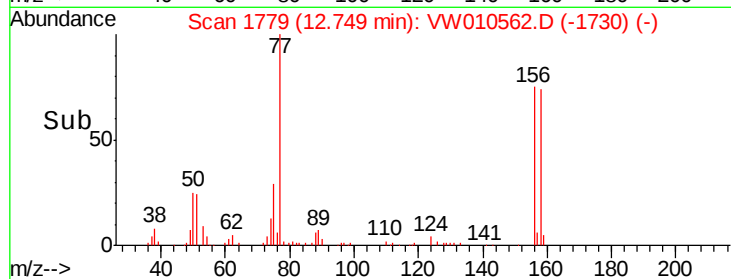
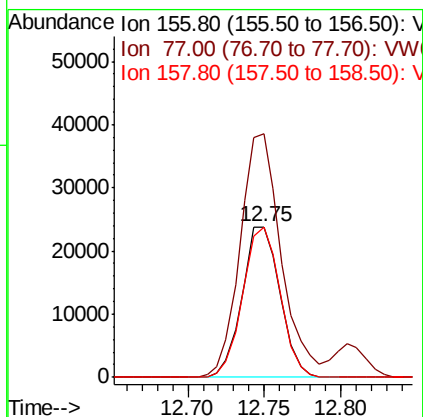
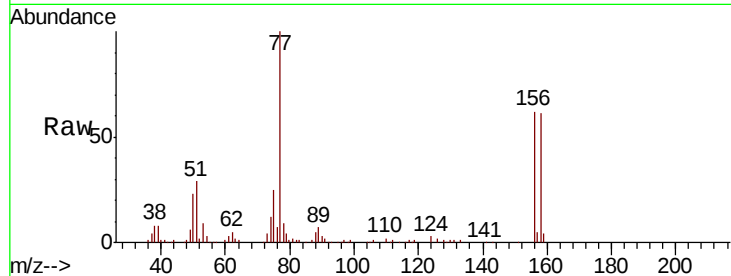




#77
Bromobenzene
Concen: 21.186 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. -0.00 min
Lab File: VW010562.D
Acq: 28 May 2019 12:56

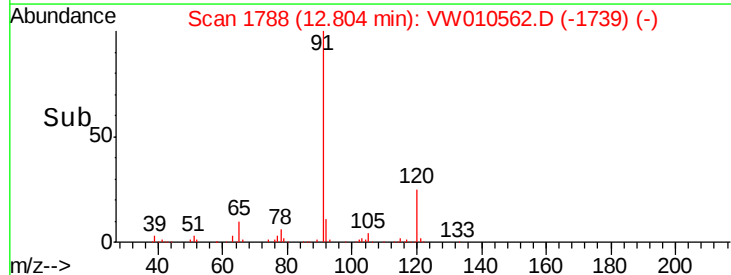
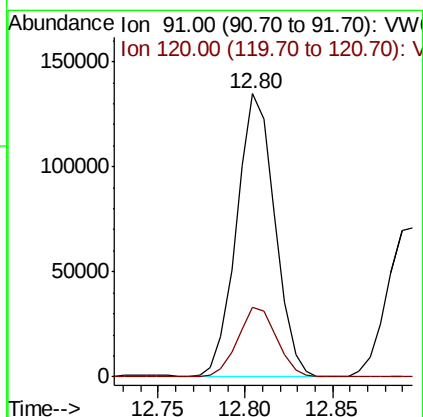
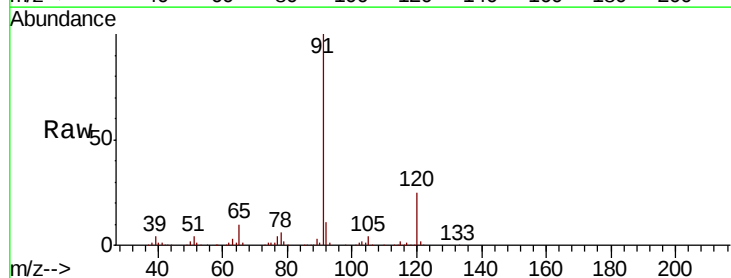
Instrument :
MSVOA_W
ClientSampled :
VW0528SBS01

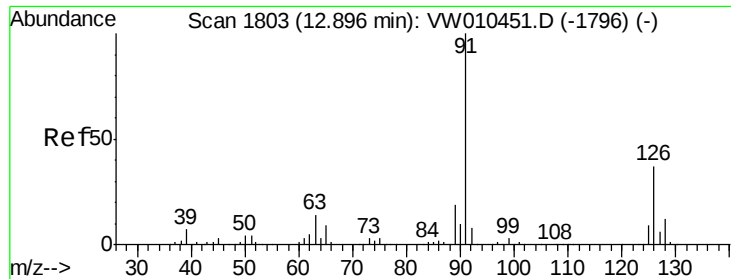
Tot Ion:156 Resp: 41044
Ion Ratio Lower Upper
156 100
77 175.0 92.4 277.2
158 98.3 48.3 144.8



#78
n-propylbenzene
Concen: 20.266 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW010562.D
Acq: 28 May 2019 12:56

Tgt Ion: 91 Resp: 204461
Ion Ratio Lower Upper
91 100
120 24.9 12.3 36.8

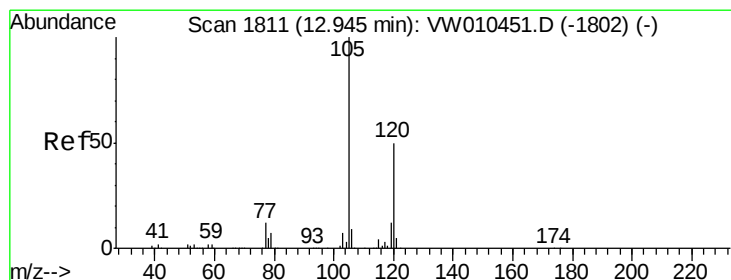
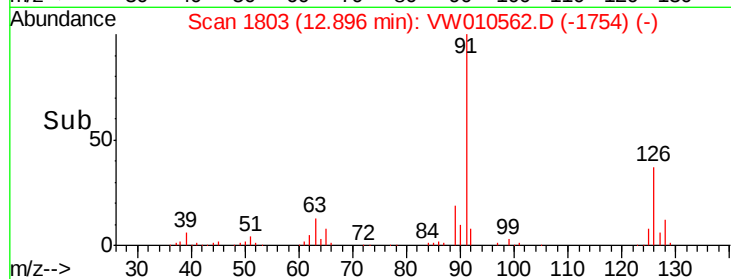
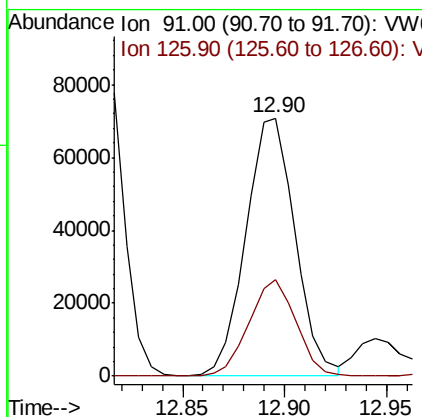
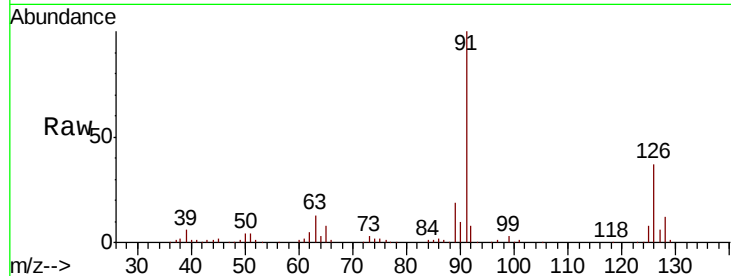




#79
 2-Chlorotoluene
 Concen: 20.249 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VW010562.D
 Acq: 28 May 2019 12:56

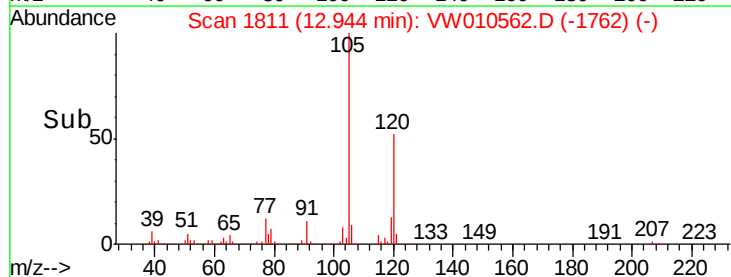
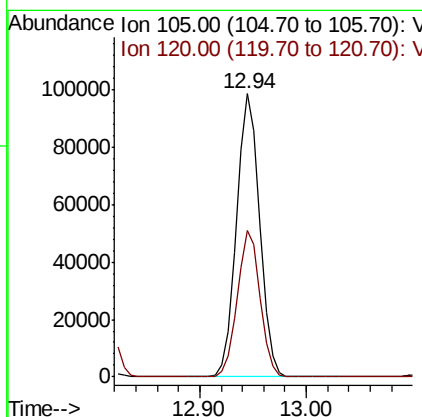
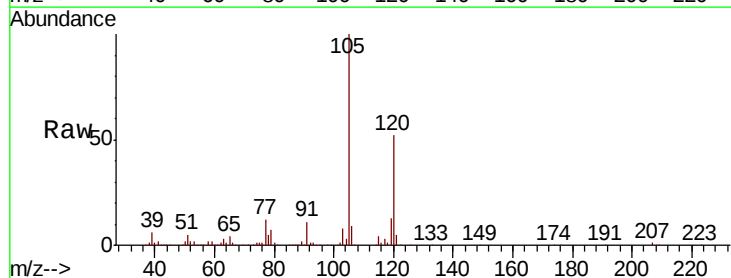
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0528SBS01

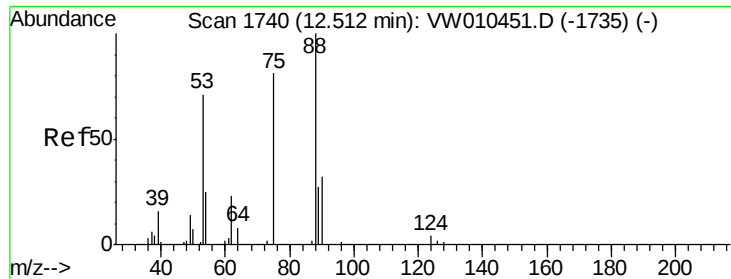
Tot Ion: 91 Resp: 118470
 Ion Ratio Lower Upper
 91 100
 126 35.9 17.4 52.3



#80
 1,3,5-Trimethylbenzene
 Concen: 20.580 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW010562.D
 Acq: 28 May 2019 12:56

Tgt Ion:105 Resp: 150892
 Ion Ratio Lower Upper
 105 100
 120 50.6 25.2 75.6





#81

trans-1,4-Dichloro-2-butene

Concen: 16.638 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW010562.D

Acq: 28 May 2019 12:56

Instrument :

MSVOA_W

ClientSampleId :

VW0528SBS01

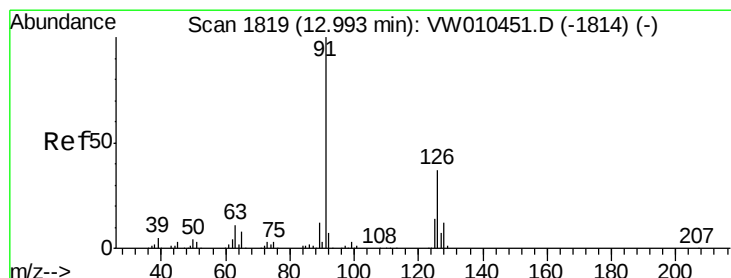
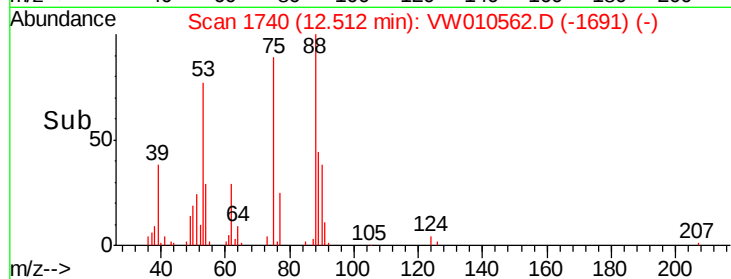
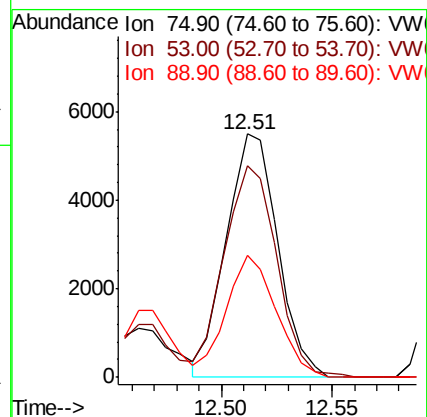
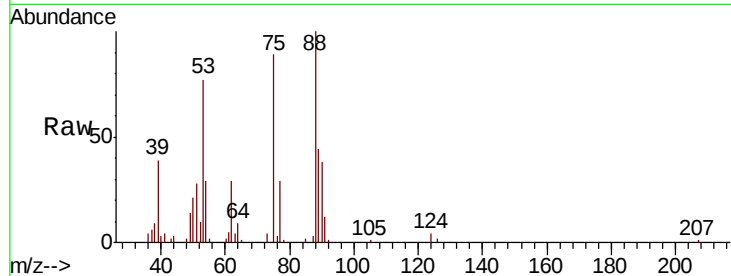
Tot Ion: 75 Resp: 8828

Ion Ratio Lower Upper

75 100

53 88.8 69.8 104.8

89 48.6 39.5 59.3



#82

4-Chlorotoluene

Concen: 20.297 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW010562.D

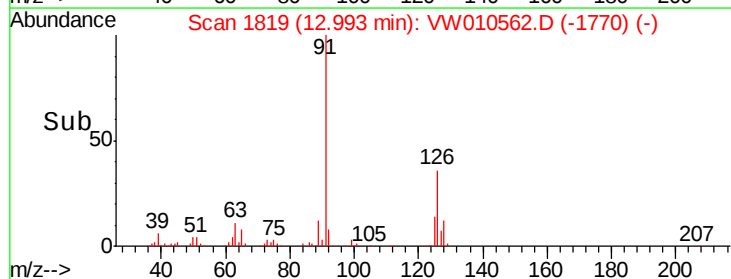
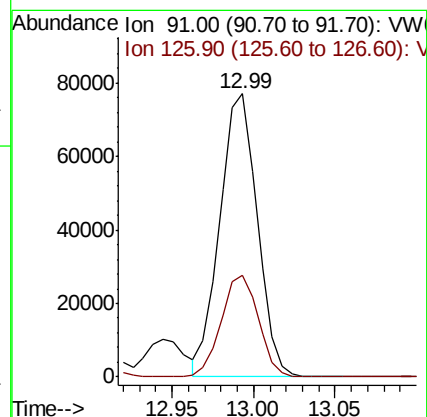
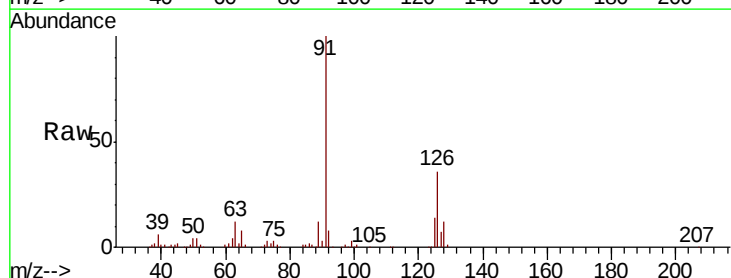
Acq: 28 May 2019 12:56

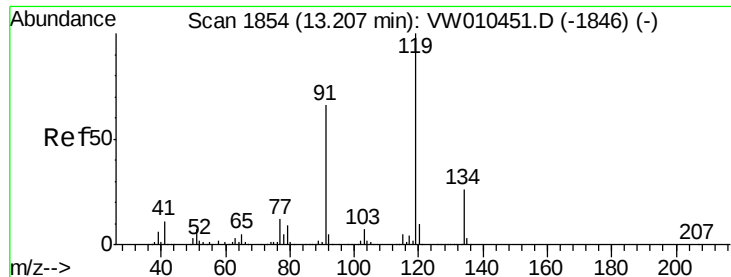
Tgt Ion: 91 Resp: 123258

Ion Ratio Lower Upper

91 100

126 36.0 17.5 52.6

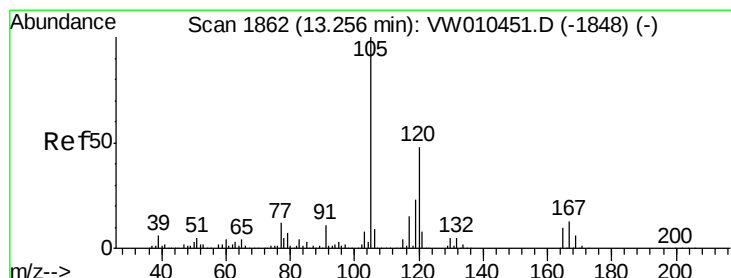
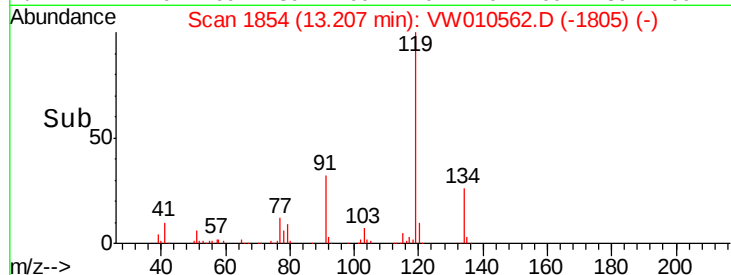
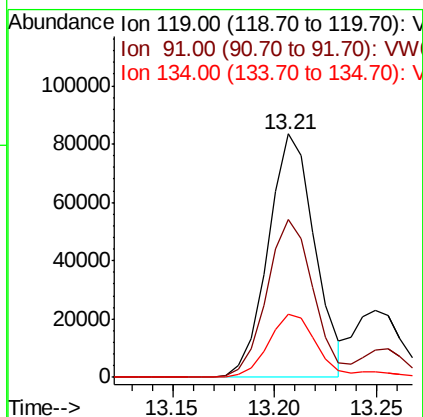
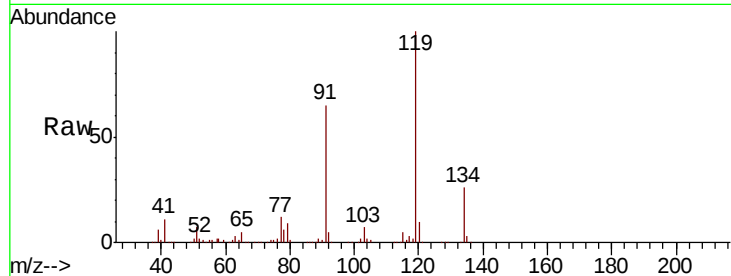




#83
tert-Butylbenzene
Concen: 20.764 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW010562.D
Acq: 28 May 2019 12:56

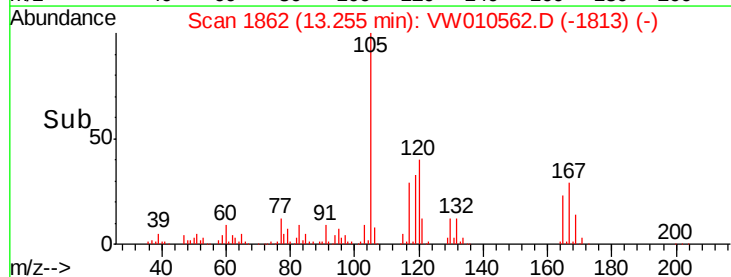
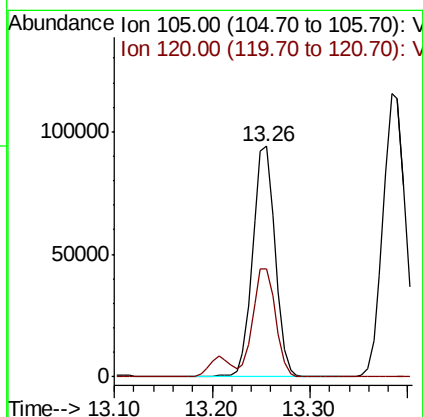
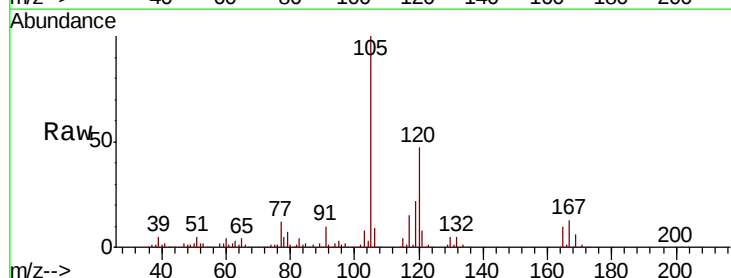
Instrument :
MSVOA_W
ClientSampleID :
VW0528SBS01

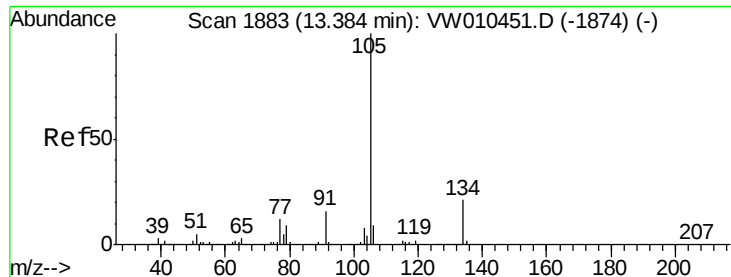
Tot Ion:119 Resp: 132985
Ion Ratio Lower Upper
119 100
91 65.4 33.1 99.5
134 26.3 13.9 41.6



#84
1,2,4-Trimethylbenzene
Concen: 20.546 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW010562.D
Acq: 28 May 2019 12:56

Tgt Ion:105 Resp: 150040
Ion Ratio Lower Upper
105 100
120 47.3 23.4 70.2





#85

sec-Butylbenzene

Concen: 20.539 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW010562.D

Acq: 28 May 2019 12:56

Instrument :

MSVOA_W

ClientSampled :

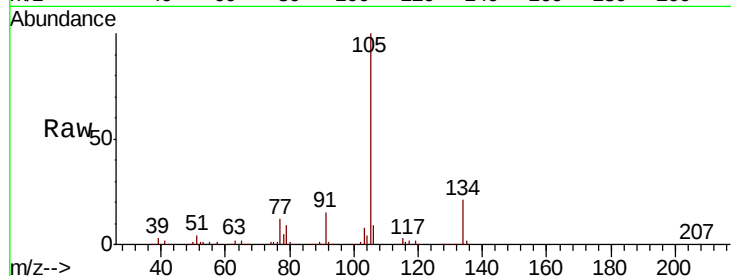
VW0528SBS01

Tot Ion:105 Resp: 184091

Ion Ratio Lower Upper

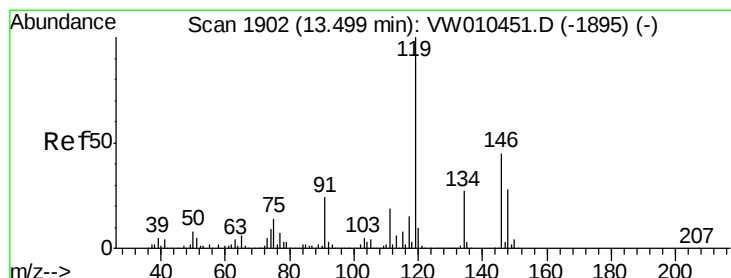
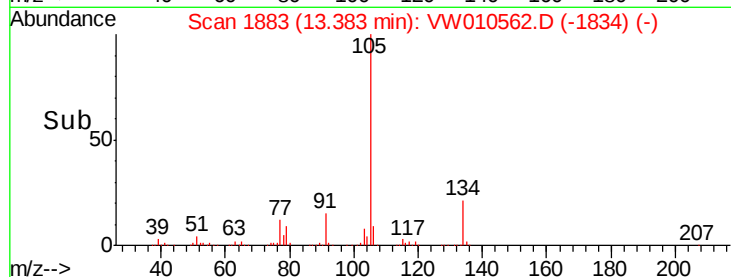
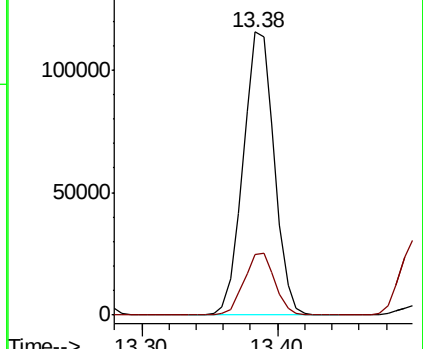
105 100

134 21.7 10.5 31.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.872 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010562.D

Acq: 28 May 2019 12:56

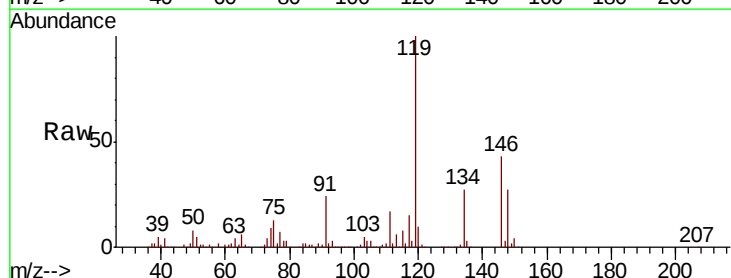
Tgt Ion:119 Resp: 169329

Ion Ratio Lower Upper

119 100

134 27.8 13.6 40.7

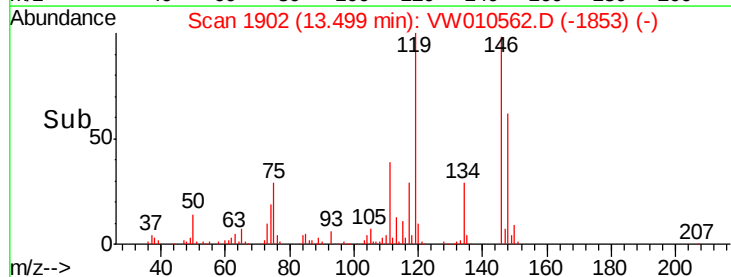
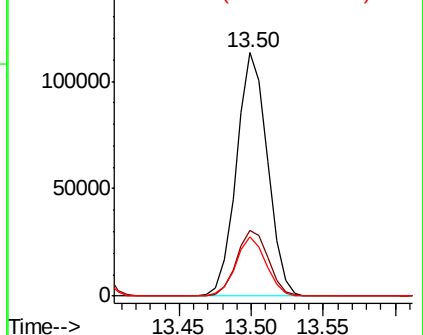
91 23.9 11.9 35.7

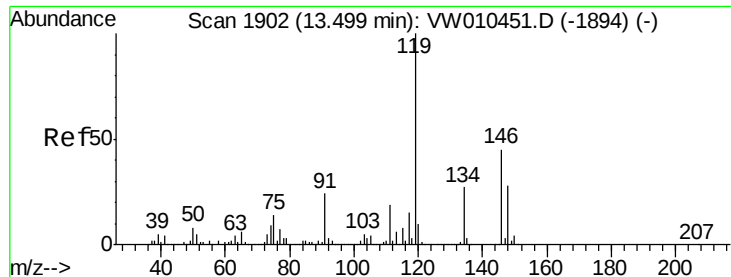


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 21.411 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010562.D

Acq: 28 May 2019 12:56

Instrument :

MSVOA_W

ClientSampleId :

VW0528SBS01

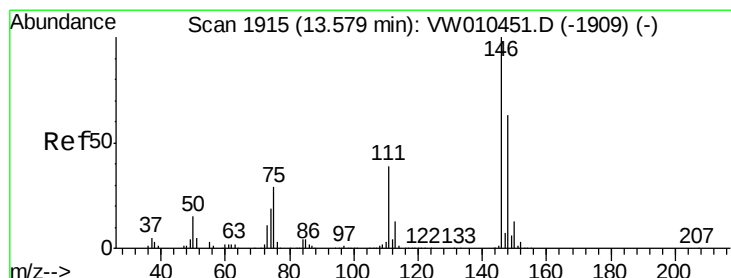
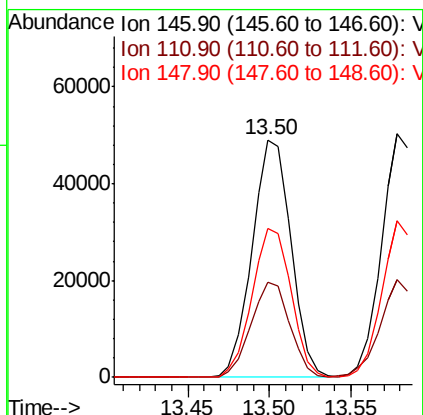
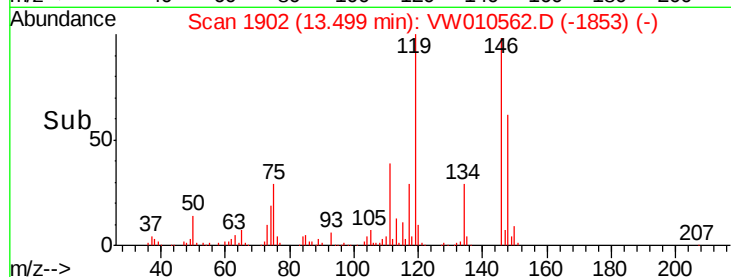
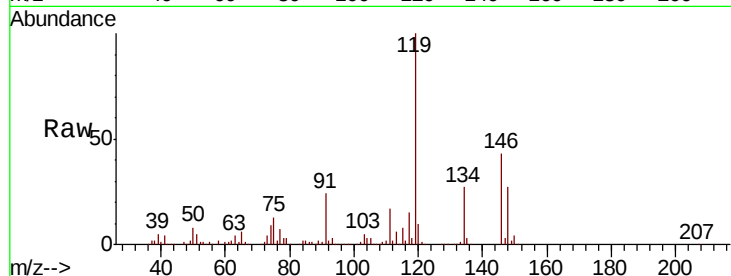
Tot Ion:146 Resp: 81380

Ion Ratio Lower Upper

146 100

111 40.1 20.3 60.9

148 63.1 31.6 94.8



#88

1,4-Dichlorobenzene

Concen: 21.449 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW010562.D

Acq: 28 May 2019 12:56

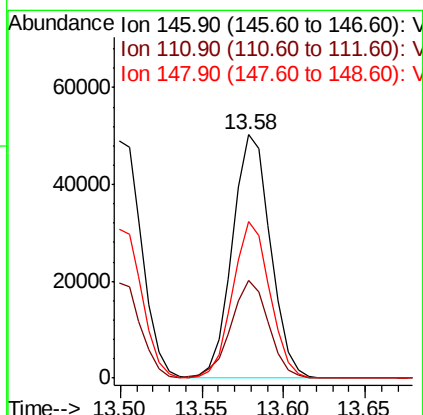
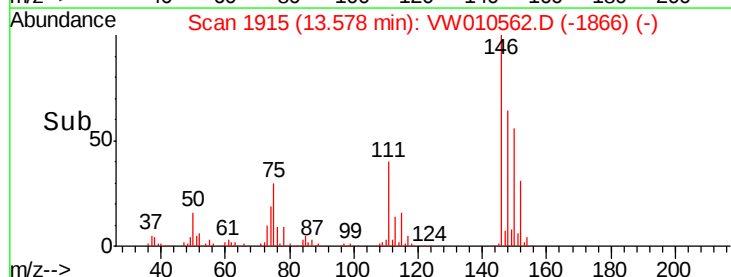
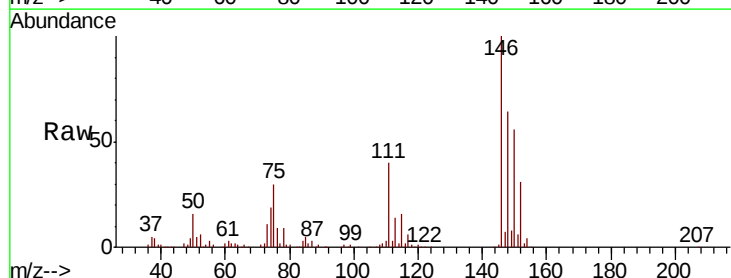
Tgt Ion:146 Resp: 81795

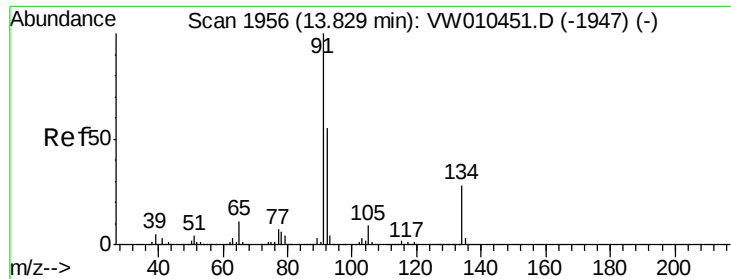
Ion Ratio Lower Upper

146 100

111 39.9 19.9 59.6

148 62.7 31.6 94.8





#89

n-Butylbenzene

Concen: 20.052 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW010562.D

Acq: 28 May 2019 12:56

Instrument :

MSVOA_W

ClientSampleId :

VW0528SBS01

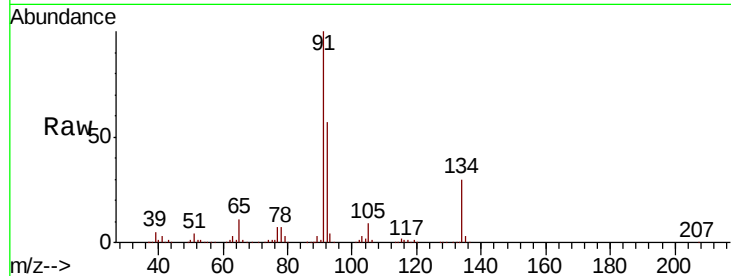
Tot Ion: 91 Resp: 154729

Ion Ratio Lower Upper

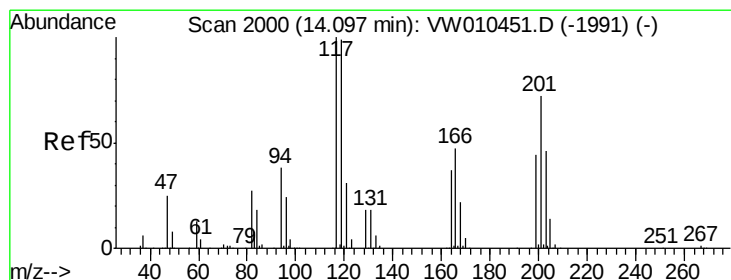
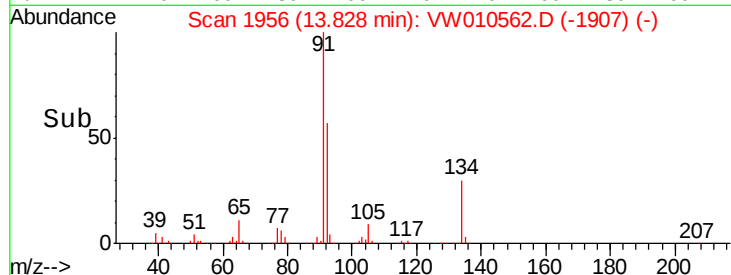
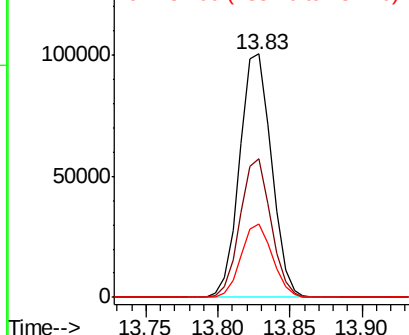
91 100

92 55.1 27.7 83.1

134 29.5 13.9 41.6



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 92.00 (91.70 to 92.70): VW
Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 20.168 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW010562.D

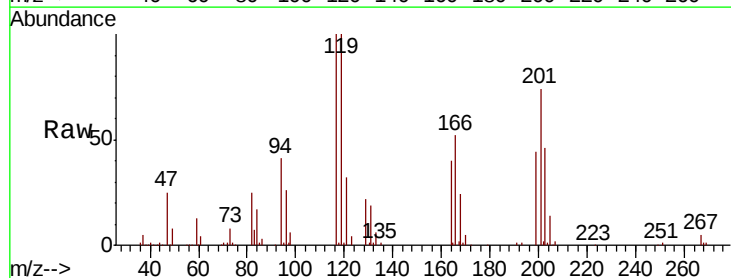
Acq: 28 May 2019 12:56

Tgt Ion: 117 Resp: 31669

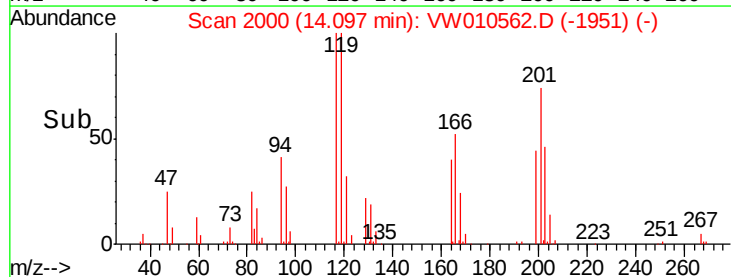
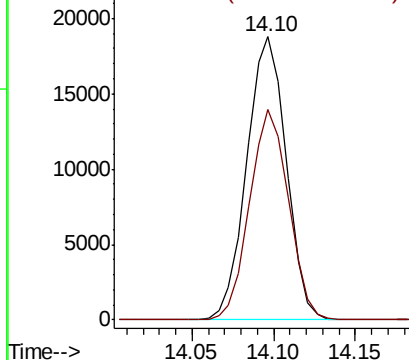
Ion Ratio Lower Upper

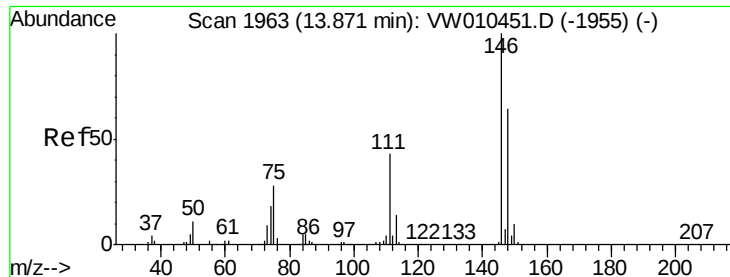
117 100

201 73.6 34.6 103.8



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 20.911 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW010562.D

Acq: 28 May 2019 12:56

Instrument :

MSVOA_W

ClientSampleId :

VW0528SBS01

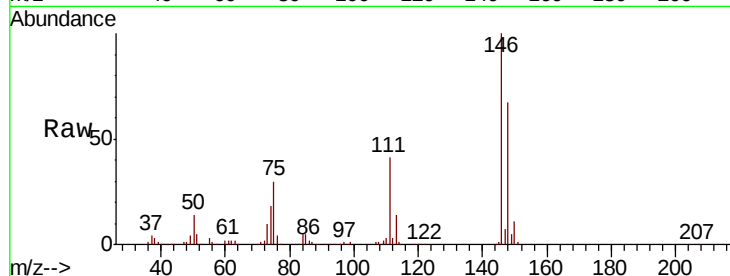
Tot Ion:146 Resp: 72420

Ion Ratio Lower Upper

146 100

111 42.0 21.3 64.0

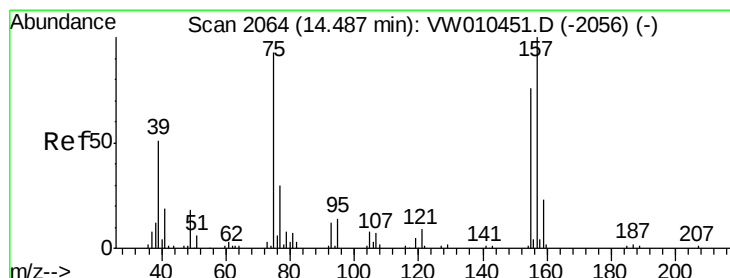
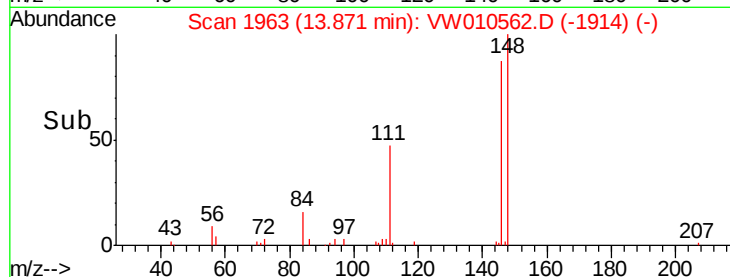
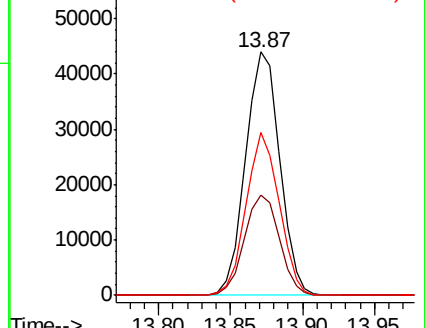
148 64.5 32.0 96.0



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: 15.472 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW010562.D

Acq: 28 May 2019 12:56

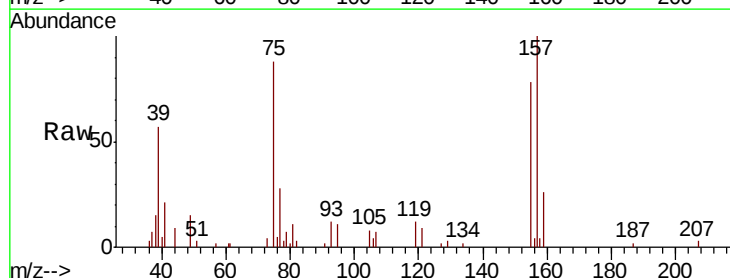
Tgt Ion: 75 Resp: 4530

Ion Ratio Lower Upper

75 100

155 94.1 43.0 129.0

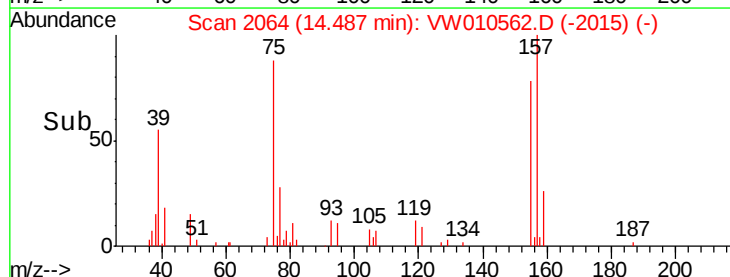
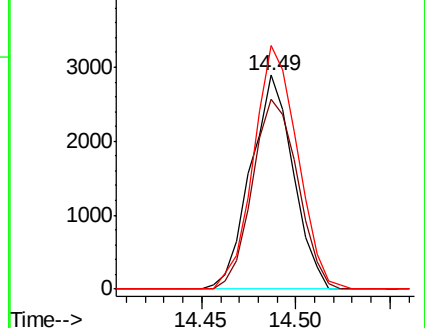
157 117.7 55.7 167.1

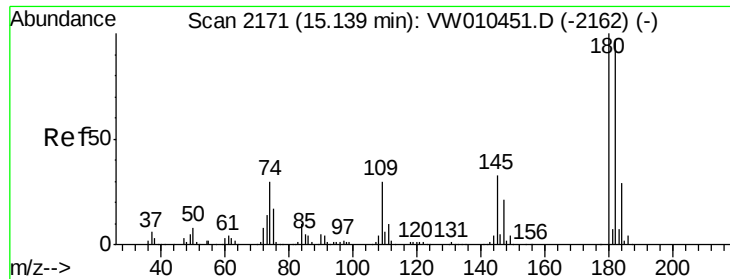


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

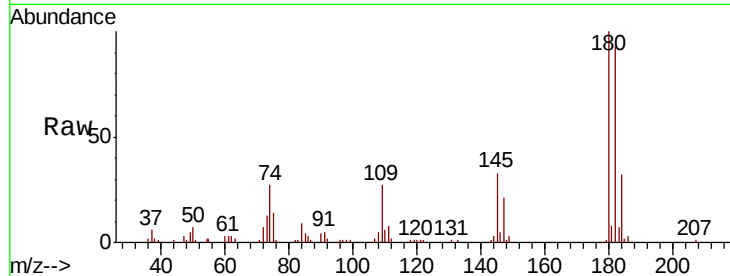




#93
 1,2,4-Trichlorobenzene
 Concen: 21.165 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010562.D
 Acq: 28 May 2019 12:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0528SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.0	141.2
145	33.2	16.7	50.0

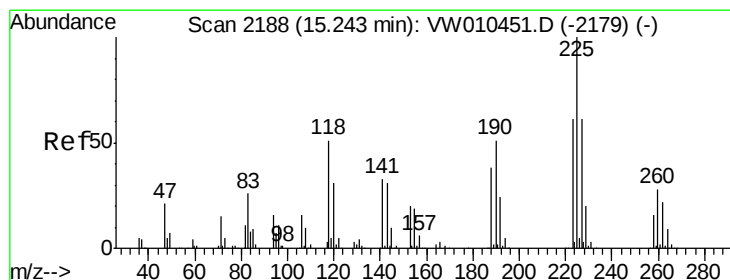
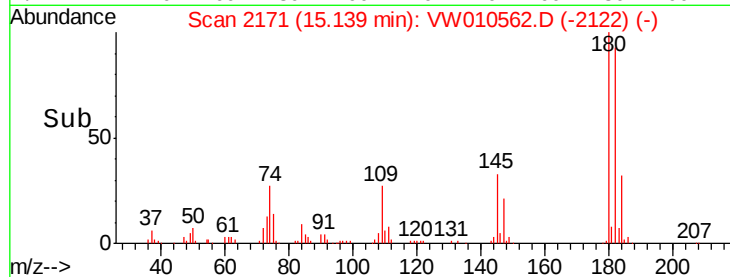
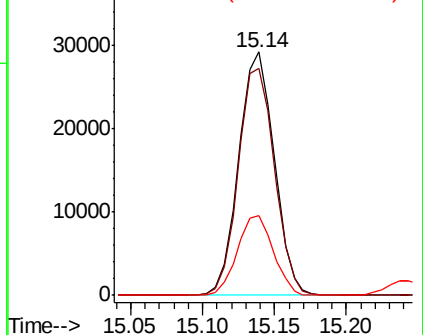


Abundance

Ion 179.80 (179.50 to 180.50): V

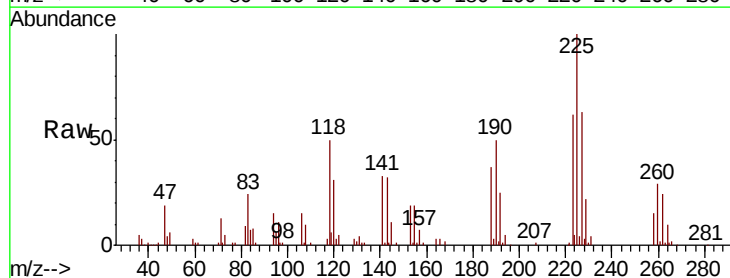
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 22.916 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW010562.D
 Acq: 28 May 2019 12:56

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.5	31.1	93.2
227	63.4	31.1	93.5

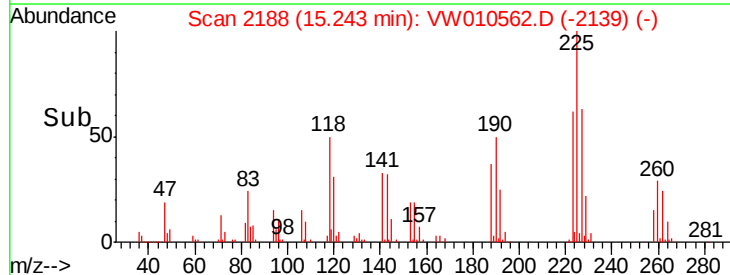
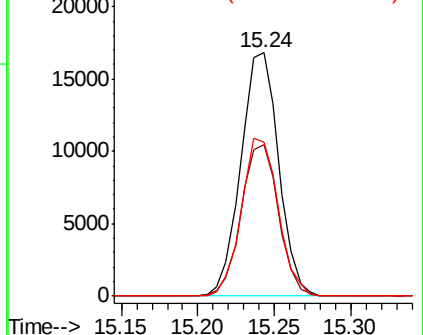


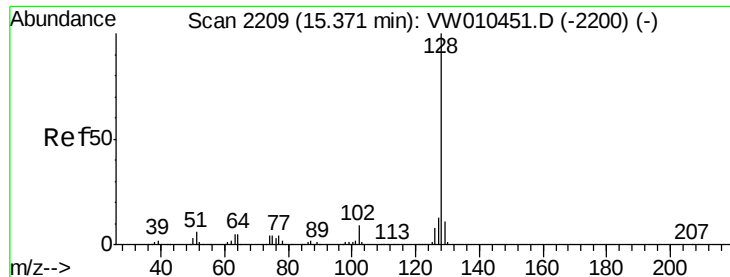
Abundance

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

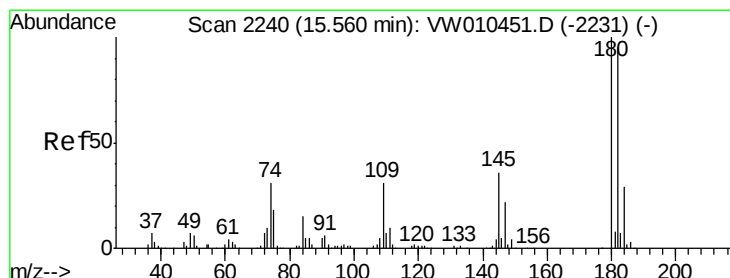
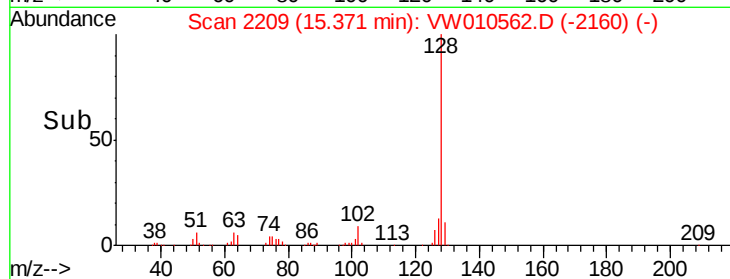
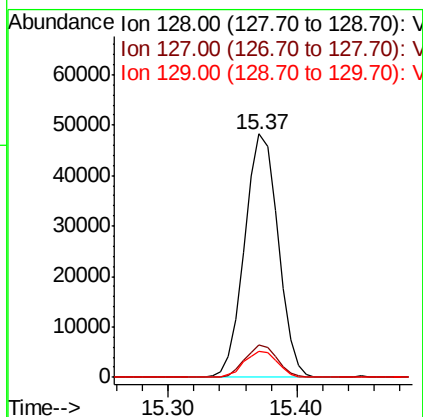
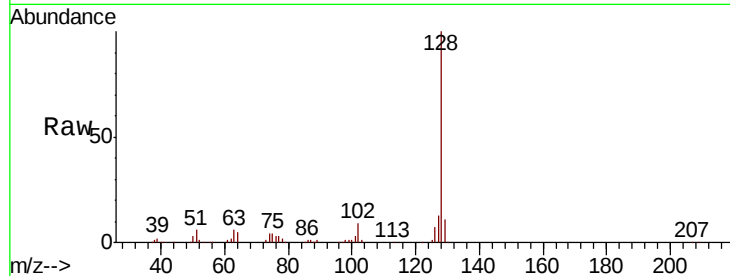




#95
Naphthalene
Concen: 17.558 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010562.D
Acq: 28 May 2019 12:56

Instrument :
MSVOA_W
ClientSampleId :
VW0528SBS01

Tot Ion:128 Resp: 86848
Ion Ratio Lower Upper
128 100
127 12.9 10.6 15.8
129 10.7 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 20.566 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010562.D
Acq: 28 May 2019 12:56

Tgt Ion:180 Resp: 41698
Ion Ratio Lower Upper
180 100
182 95.3 47.1 141.3
145 36.3 17.4 52.3

