

Data File : VW010631.D
Acq On : 31 May 2019 12:43
Operator : SY/VA
Sample : VW0531SBS01
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0531SBS01

Quant Time: Jun 01 04:47:17 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	172455	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	286781	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	257395	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	127970	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	82342	46.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.52%	
35) Dibromofluoromethane	7.88	113	86773	49.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.74%	
50) Toluene-d8	10.32	98	332457	50.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.02%	
62) 4-Bromofluorobenzene	12.62	95	129947	49.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.16%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.00	85	24170	15.539	ug/l	99
3) Chloromethane	2.21	50	27322	15.079	ug/l	99
4) Vinyl Chloride	2.35	62	31450	14.985	ug/l	98
5) Bromomethane	2.75	94	24664	17.082	ug/l	100
6) Chloroethane	2.90	64	22803	16.925	ug/l	97
7) Trichlorofluoromethane	3.25	101	61619	19.886	ug/l	93
8) Diethyl Ether	3.68	74	19042	19.386	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	39231	20.559	ug/l	98
10) Methyl Iodide	4.26	142	31571	14.475	ug/l	98
11) Tert butyl alcohol	5.16	59	22346	139.565	ug/l #	87
12) 1,1-Dichloroethene	4.03	96	36364	19.963	ug/l	91
13) Acrolein	3.89	56	8038	70.101	ug/l	98
14) Allyl chloride	4.67	41	48920	18.553	ug/l	99
15) Acrylonitrile	5.37	53	36508	88.749	ug/l	99
16) Acetone	4.12	43	35599	97.976	ug/l	97
17) Carbon Disulfide	4.37	76	88661	16.318	ug/l	97
18) Methyl Acetate	4.68	43	18208	20.490	ug/l	96
19) Methyl tert-butyl Ether	5.43	73	88237	19.001	ug/l	92
20) Methylene Chloride	4.91	84	39427	14.937	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	41780	19.996	ug/l	93
22) Diisopropyl ether	6.31	45	104041	19.244	ug/l	99
23) Vinyl Acetate	6.26	43	285089	88.275	ug/l	99
24) 1,1-Dichloroethane	6.21	63	64769	20.075	ug/l	98
25) 2-Butanone	7.17	43	50337	96.806	ug/l	100
26) 2,2-Dichloropropane	7.16	77	68519	22.295	ug/l	96
27) cis-1,2-Dichloroethene	7.17	96	47096	20.733	ug/l	98
28) Bromochloromethane	7.51	49	24547	21.250	ug/l	95
29) Tetrahydrofuran	7.52	42	29499	83.838	ug/l	99
30) Chloroform	7.68	83	72252	20.762	ug/l	95
31) Cyclohexane	7.95	56	63180	18.694	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	68940	20.726	ug/l	99
36) 1,1-Dichloropropene	8.08	75	57184	21.405	ug/l	99
37) Ethyl Acetate	7.25	43	20701	18.222	ug/l	99
38) Carbon Tetrachloride	8.07	117	61777	21.436	ug/l	98

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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	73171	20.443	ug/l	98
40) Benzene	8.32	78	158397	21.332	ug/l	98
41) Methacrylonitrile	7.48	41	13052	19.336	ug/l	94
42) 1,2-Dichloroethane	8.40	62	43635	20.561	ug/l	99
43) Isopropyl Acetate	8.43	43	40703	17.934	ug/l	97
44) Trichloroethene	9.09	130	48180	21.856	ug/l	99
45) 1,2-Dichloropropane	9.37	63	37103	21.039	ug/l	99
46) Dibromomethane	9.46	93	21682	21.023	ug/l	98
47) Bromodichloromethane	9.65	83	52251	20.161	ug/l	99
48) Methyl methacrylate	9.44	41	17914	17.253	ug/l	96
49) 1,4-Dioxane	9.45	88	5781	343.139	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	104513	90.877	ug/l	99
52) Toluene	10.39	92	108182	21.694	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	50545	19.257	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	60179	20.075	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	31212	21.046	ug/l	93
56) Ethyl methacrylate	10.65	69	37005	18.092	ug/l	100
57) 1,3-Dichloropropane	10.93	76	51166	20.596	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	86401	95.369	ug/l	98
59) 2-Hexanone	10.97	43	72023	87.792	ug/l	99
60) Dibromochloromethane	11.13	129	36720	19.564	ug/l	99
61) 1,2-Dibromoethane	11.24	107	30753	20.470	ug/l	99
64) Tetrachloroethene	10.86	164	39029	21.752	ug/l	97
65) Chlorobenzene	11.66	112	117841	21.482	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	41898	21.321	ug/l	99
67) Ethyl Benzene	11.73	91	206114	21.281	ug/l	99
68) m/p-Xylenes	11.84	106	161684	42.561	ug/l	100
69) o-Xylene	12.17	106	77231	21.458	ug/l	98
70) Styrene	12.18	104	128037	20.966	ug/l	100
71) Bromoform	12.35	173	18945	17.507	ug/l #	98
73) Isopropylbenzene	12.46	105	211933	20.870	ug/l	100
74) N-amyl acetate	12.27	43	38226	16.427	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	33893	18.350	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	42633	32.820	ug/l	35
77) Bromobenzene	12.75	156	47965	21.107	ug/l	98
78) n-propylbenzene	12.80	91	238558	20.158	ug/l	99
79) 2-Chlorotoluene	12.90	91	140283	20.441	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	175971	20.460	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	9595	15.416	ug/l	92
82) 4-Chlorotoluene	12.99	91	146083	20.507	ug/l	99
83) tert-Butylbenzene	13.21	119	154733	20.596	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	177752	20.751	ug/l	100
85) sec-Butylbenzene	13.38	105	218101	20.745	ug/l	100
86) p-Isopropyltoluene	13.50	119	199019	20.914	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	95619	21.447	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	93673	20.941	ug/l	97
89) n-Butylbenzene	13.83	91	183996	20.328	ug/l	99
90) Hexachloroethane	14.10	117	35331	19.182	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	85199	20.973	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	5598	16.300	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW053119\
Quantitation Report (Not Reviewed)

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Instrument :
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ClientSampleId :
VW0531SBS01

Quant Time: Jun 01 04:47:17 2019
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Quant Title : SW846 8260
QLast Update : Tue May 21 06:38:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	57096	20.657	ug/l	99
94) Hexachlorobutadiene	15.24	225	32102	21.741	ug/l	98
95) Naphthalene	15.37	128	101615	17.514	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	49148	20.665	ug/l	99

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

Data File : VW010631.D

Acq On : 31 May 2019 12:43

Operator : SY/VA

Sample : VW0531SBS01

Misc : 5.00G/5ML/MSVOA_W/SOIL

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ALS Vial      : 4      Sample Multiplier: 1
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Instrument :
MSVOA_W
ClientSampleId :
VW0531SBS01

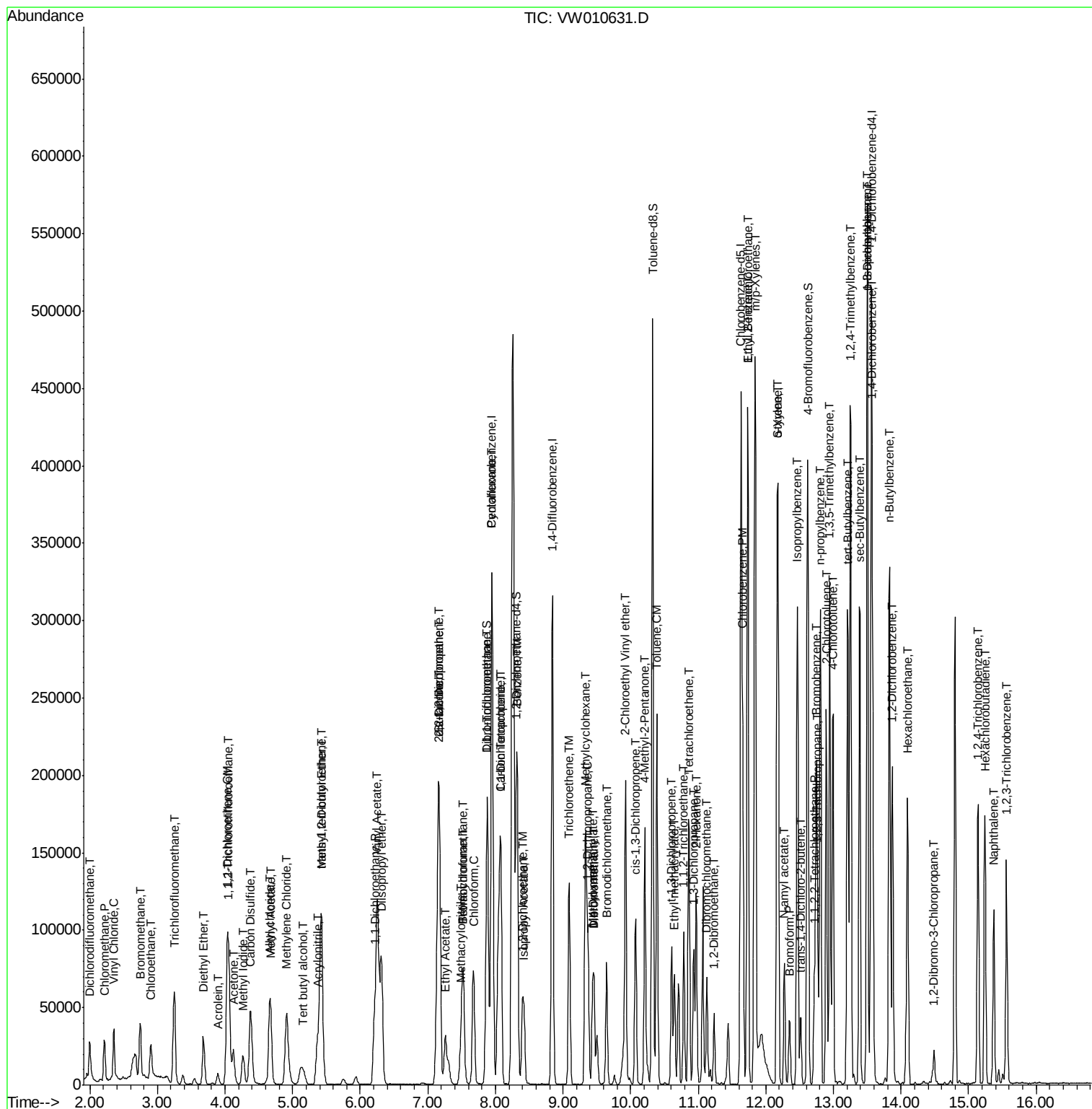
Quant Time: Jun 01 04:47:17 2019

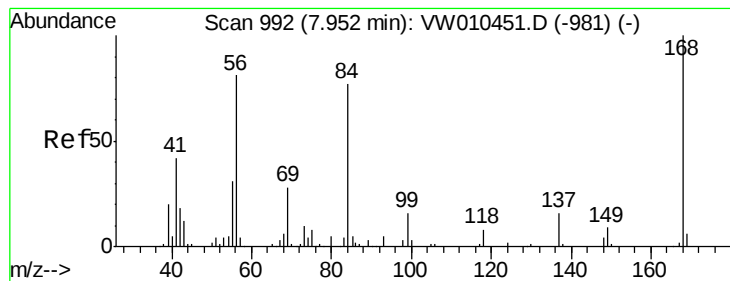
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_W\METHOD\82W052019S.M

Quant Title : SW846 8260

QLast Update : Tue May 21 06:38:43 2019

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010631.D

Acq: 31 May 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

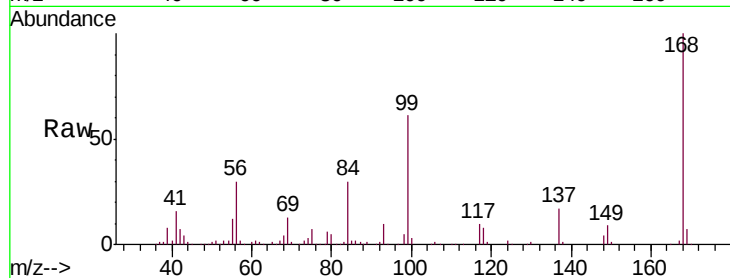
VW0531SBS01

Tgt Ion:168 Resp: 172455

Ion Ratio Lower Upper

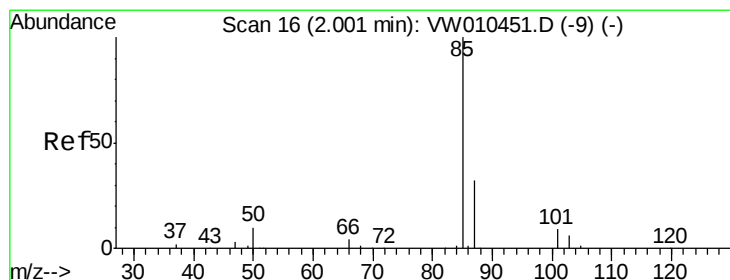
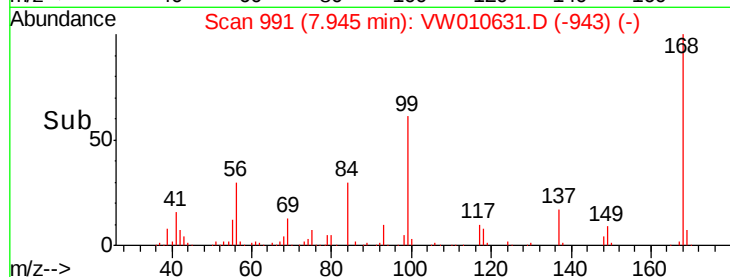
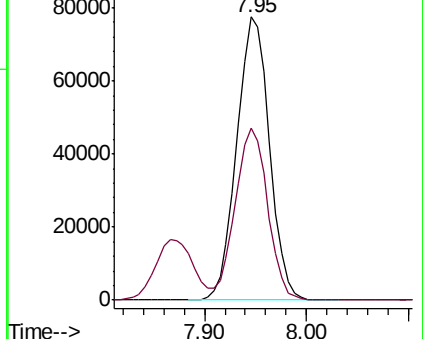
168 100

99 60.6 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 15.539 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.01 min

Lab File: VW010631.D

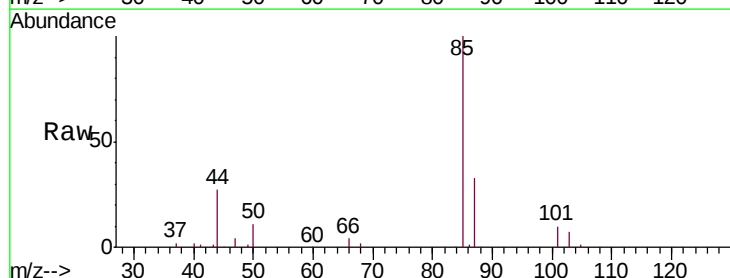
Acq: 31 May 2019 12:43

Tgt Ion: 85 Resp: 24170

Ion Ratio Lower Upper

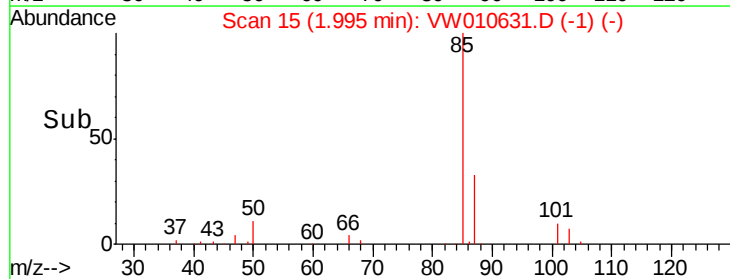
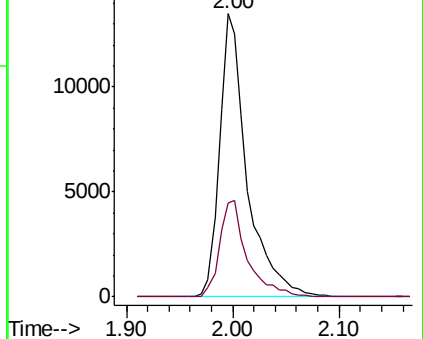
85 100

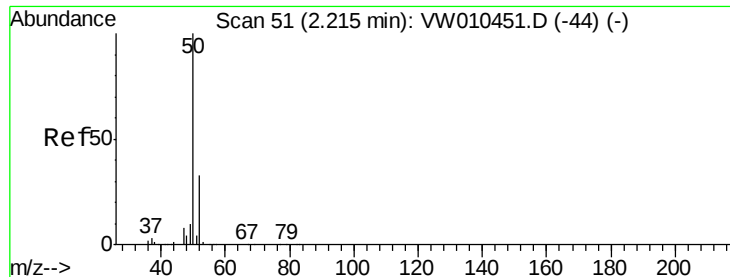
87 33.3 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 15.079 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW010631.D

Acq: 31 May 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

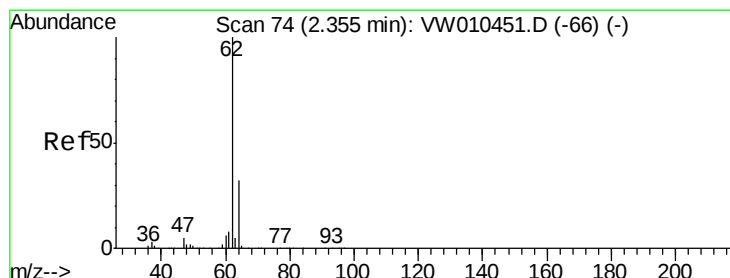
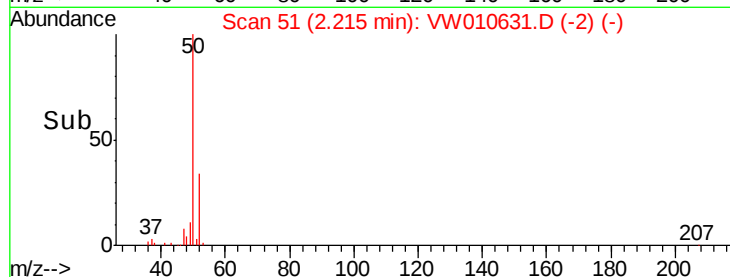
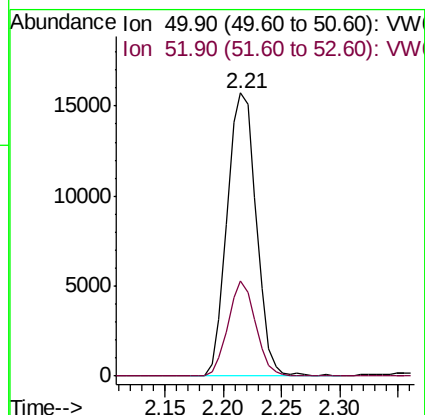
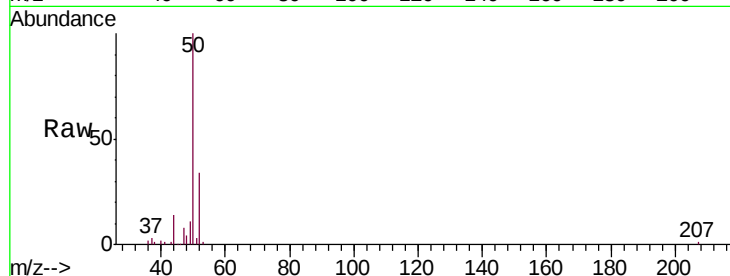
VW0531SBS01

Tgt Ion: 50 Resp: 27322

Ion Ratio Lower Upper

50 100

52 33.7 26.3 39.5



#4

Vinyl Chloride

Concen: 14.985 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW010631.D

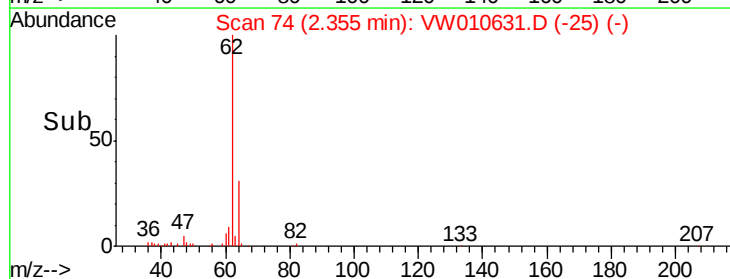
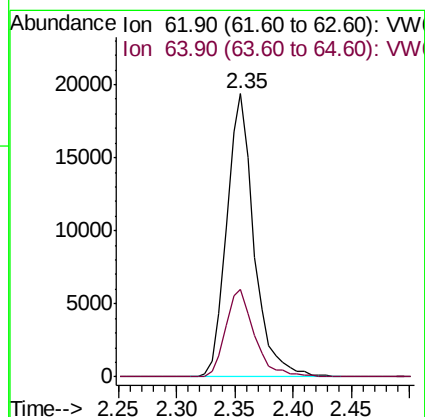
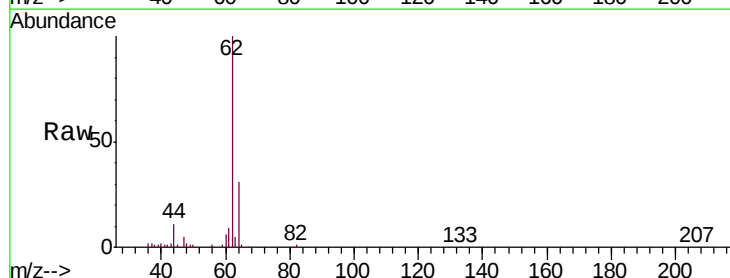
Acq: 31 May 2019 12:43

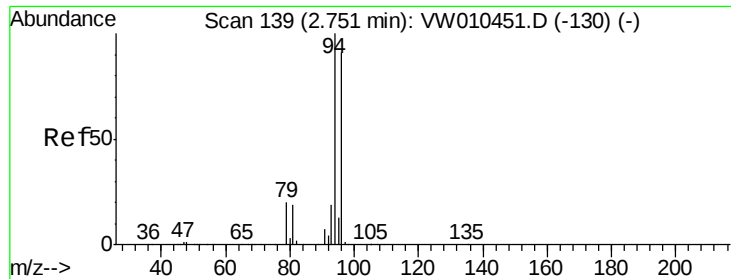
Tgt Ion: 62 Resp: 31450

Ion Ratio Lower Upper

62 100

64 31.1 25.8 38.8





#5

Bromomethane

Concen: 17.082 ug/l

RT: 2.75 min Scan# 138

Delta R.T. -0.01 min

Lab File: VW010631.D

Acq: 31 May 2019 12:43

Instrument :

MSVOA_W

ClientSampled :

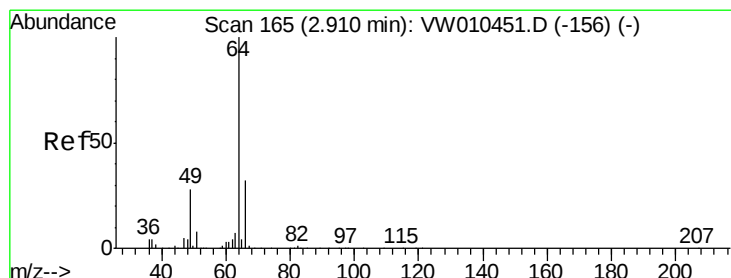
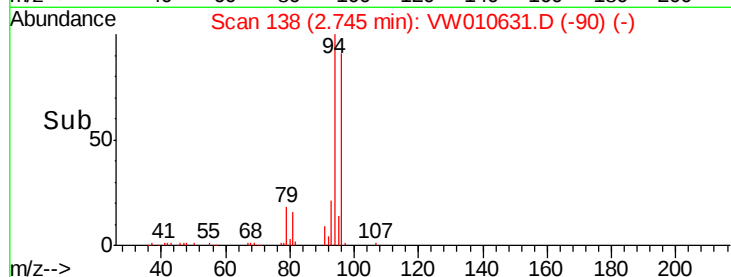
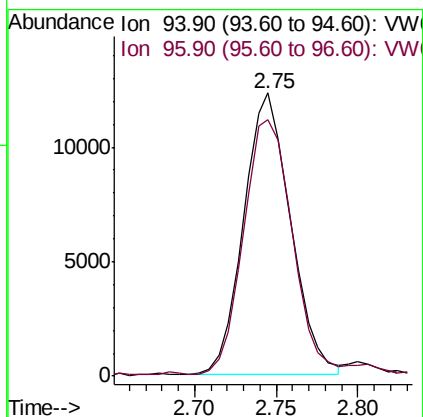
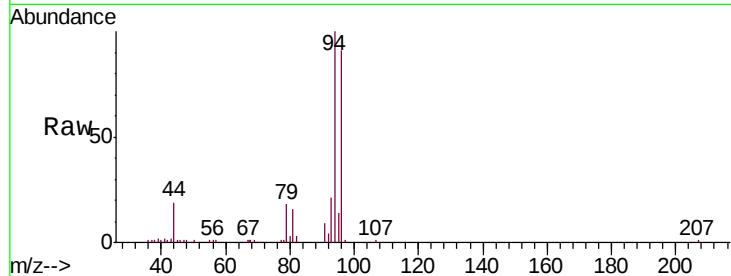
VW0531SBS01

Tgt Ion: 94 Resp: 24664

Ion Ratio Lower Upper

94 100

96 90.8 72.9 109.3



#6

Chloroethane

Concen: 16.925 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW010631.D

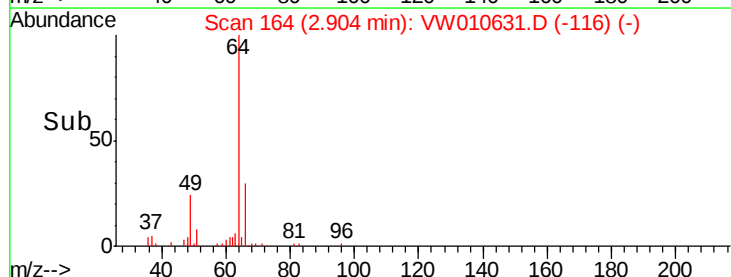
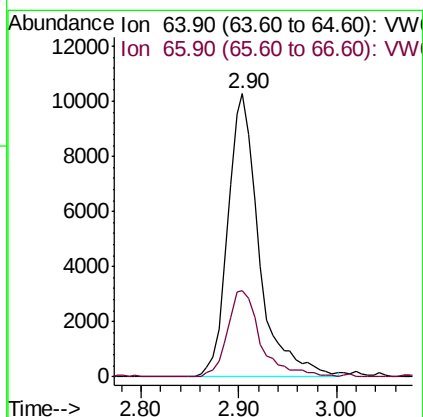
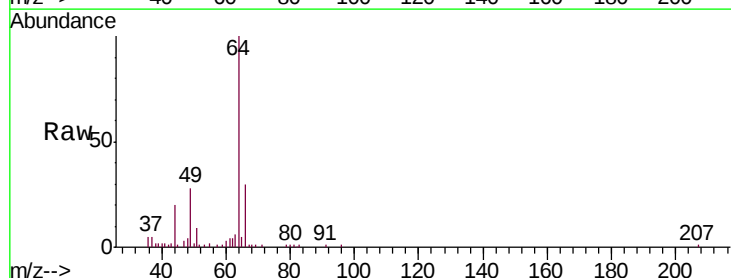
Acq: 31 May 2019 12:43

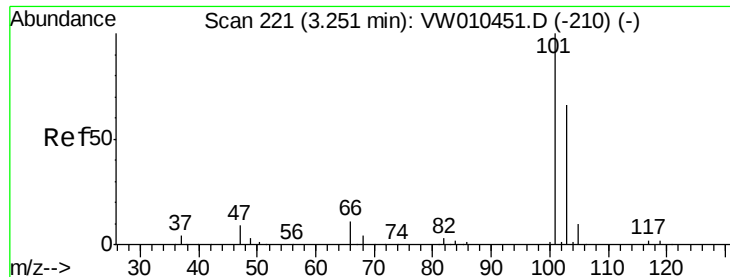
Tgt Ion: 64 Resp: 22803

Ion Ratio Lower Upper

64 100

66 30.3 25.5 38.3



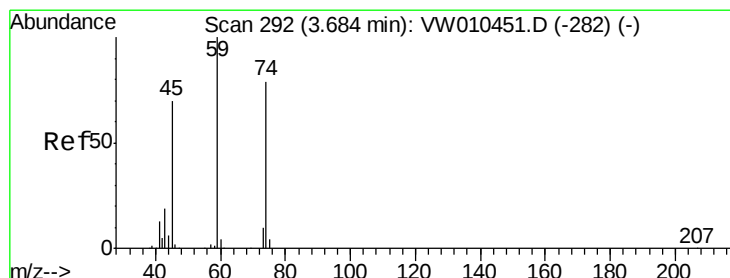
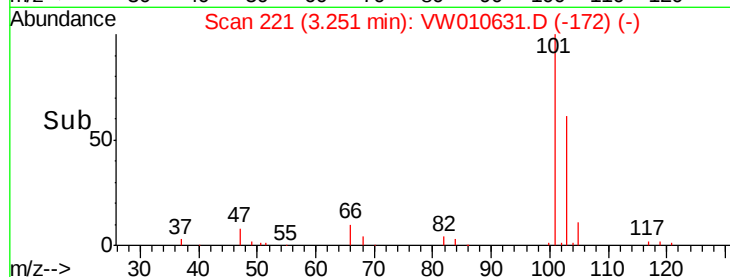
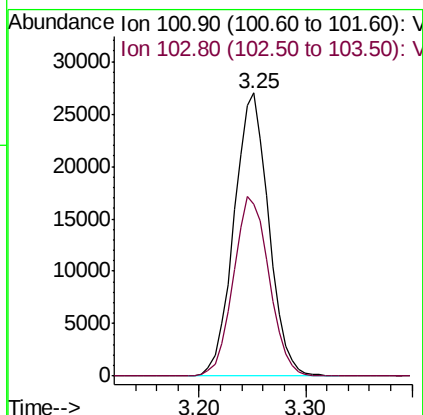
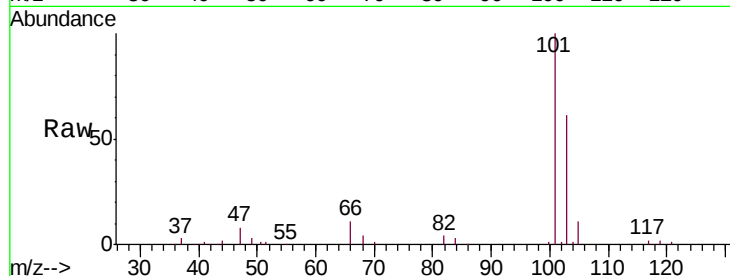


#7

Trichlorofluoromethane
 Concen: 19.886 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW010631.D
 Acq: 31 May 2019 12:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0531SBS01

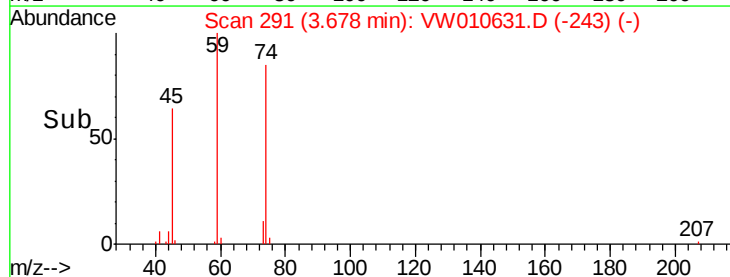
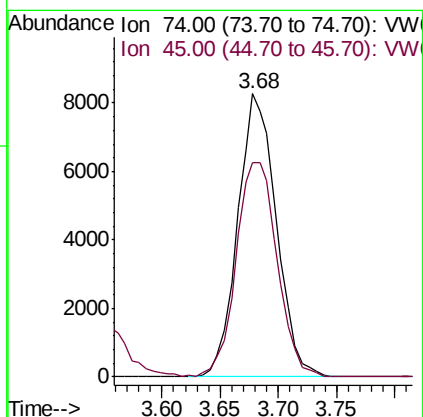
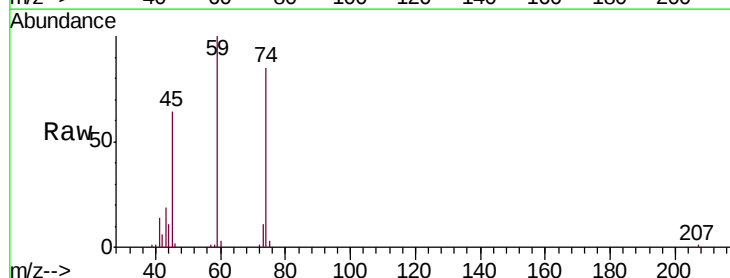
Tgt Ion:101 Resp: 61619
 Ion Ratio Lower Upper
 101 100
 103 60.7 53.0 79.4

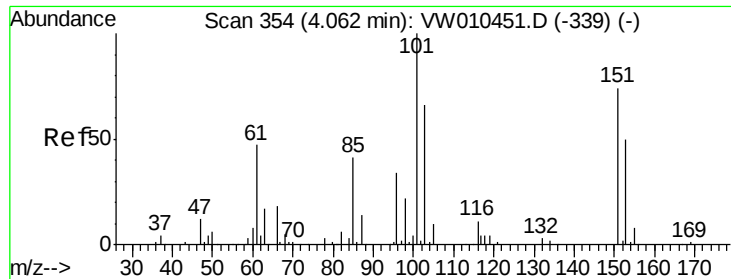


#8

Diethyl Ether
 Concen: 19.386 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW010631.D
 Acq: 31 May 2019 12:43

Tgt Ion: 74 Resp: 19042
 Ion Ratio Lower Upper
 74 100
 45 80.8 42.9 128.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.559 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW010631.D

Acq: 31 May 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

VW0531SBS01

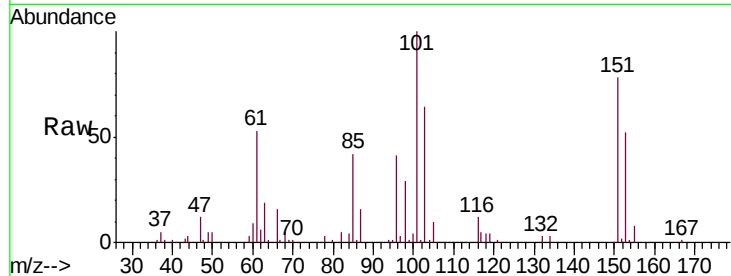
Tgt Ion:101 Resp: 39231

Ion Ratio Lower Upper

101 100

85 41.7 34.3 51.5

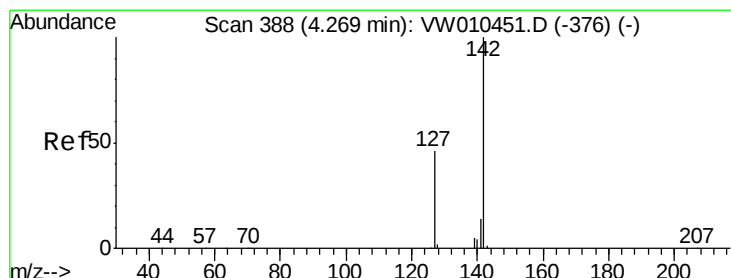
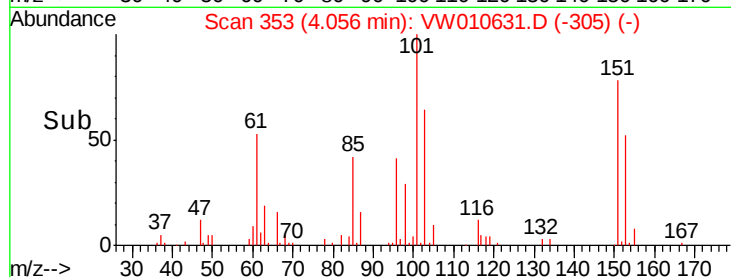
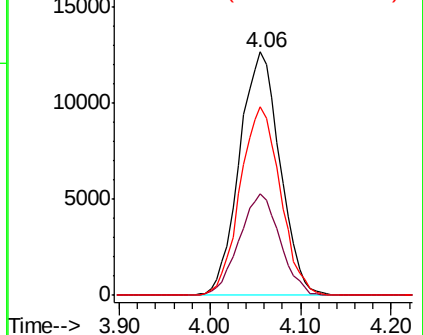
151 76.7 60.3 90.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 14.475 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW010631.D

Acq: 31 May 2019 12:43

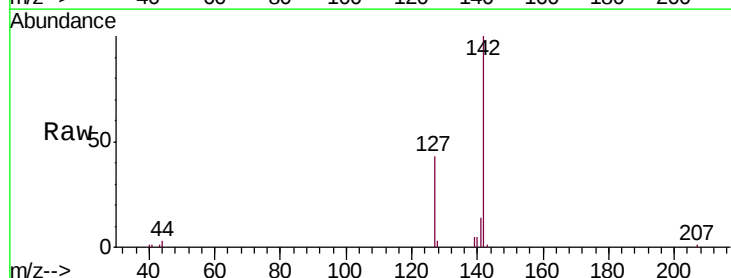
Tgt Ion:142 Resp: 31571

Ion Ratio Lower Upper

142 100

127 43.8 36.1 54.1

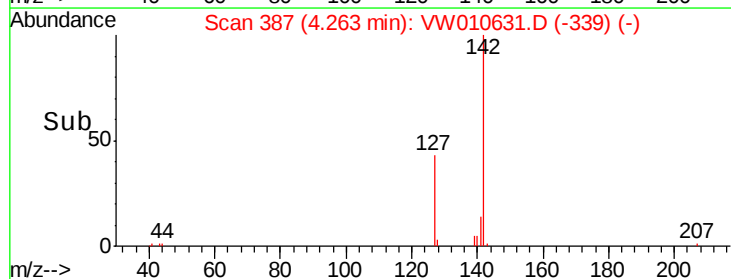
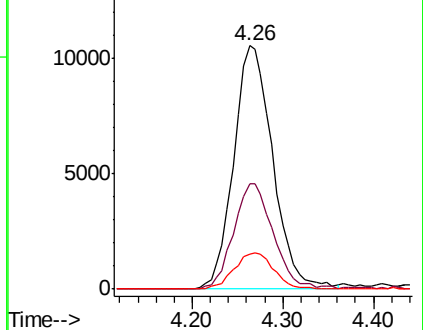
141 15.0 11.3 16.9

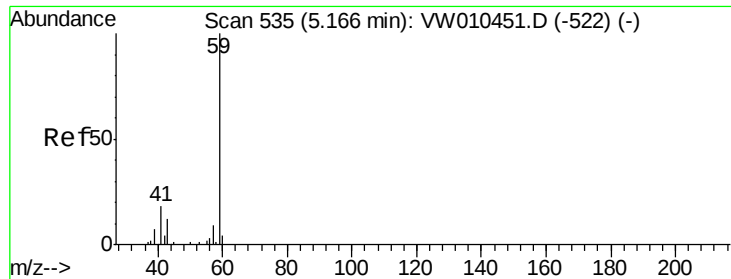


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

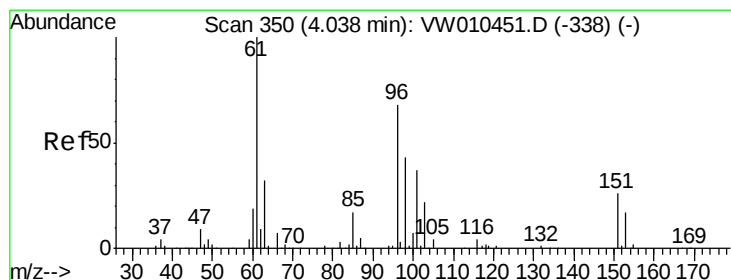
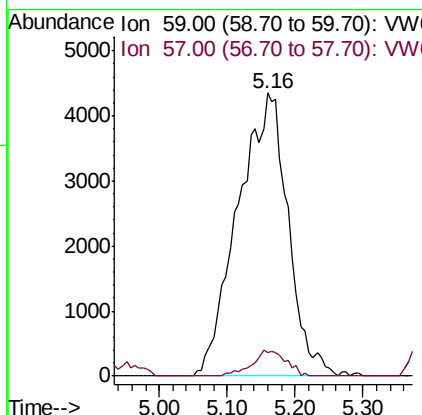
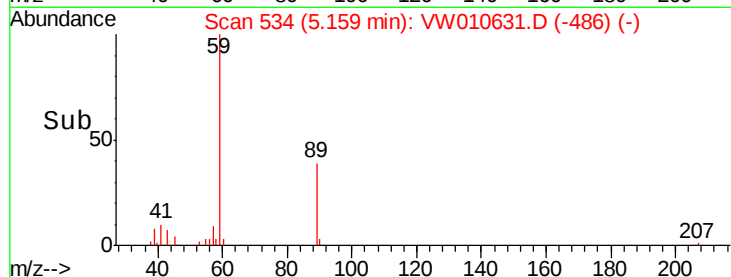
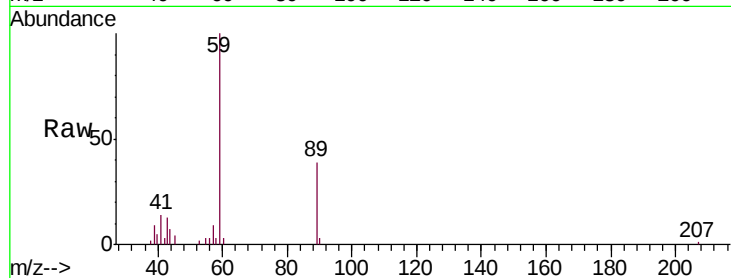




#11
Tert butyl alcohol
Concen: 139.565 ug/l
RT: 5.16 min Scan# 534
Delta R.T. -0.01 min
Lab File: VW010631.D
Acq: 31 May 2019 12:43

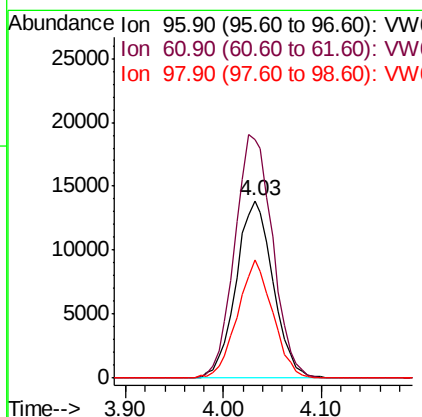
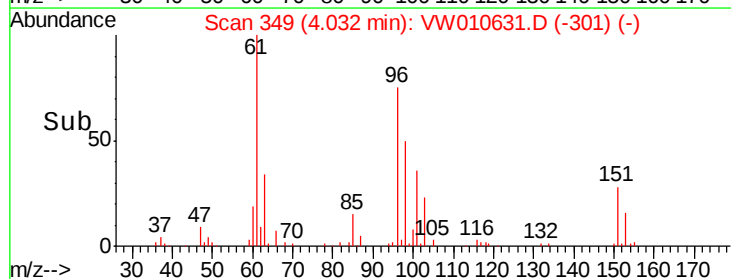
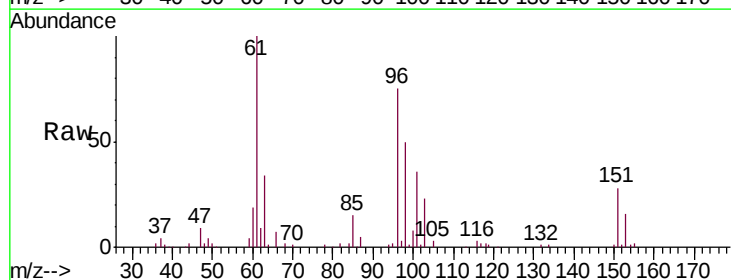
Instrument :
MSVOA_W
ClientSampleId :
VW0531SBS01

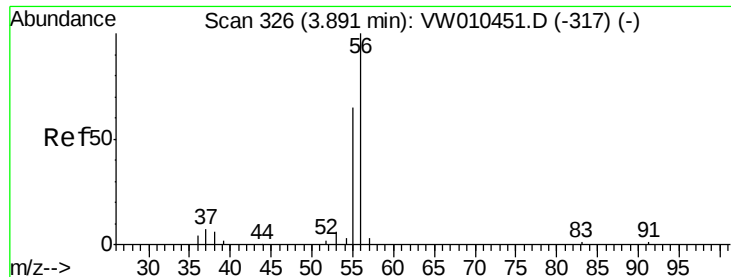
Tgt Ion: 59 Resp: 22346
Ion Ratio Lower Upper
59 100
57 6.2 8.8 13.2#



#12
1,1-Dichloroethene
Concen: 19.963 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW010631.D
Acq: 31 May 2019 12:43

Tgt Ion: 96 Resp: 36364
Ion Ratio Lower Upper
96 100
61 134.2 118.3 177.5
98 66.5 51.0 76.6





#13

Acrolein

Concen: 70.101 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW010631.D

Acq: 31 May 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

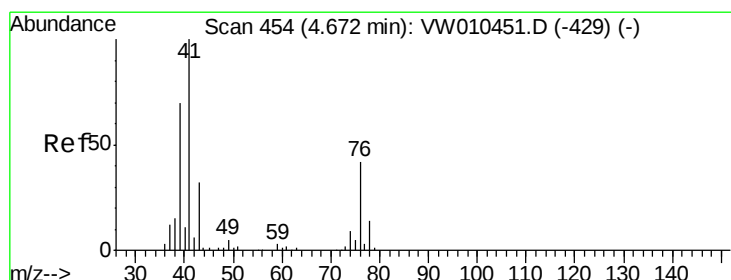
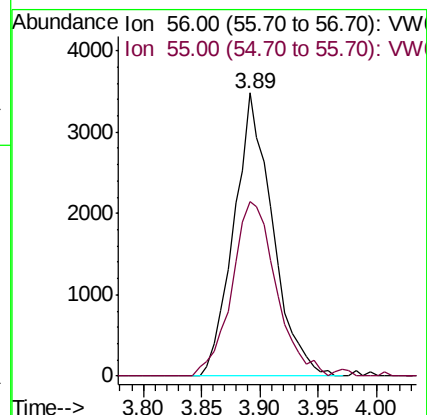
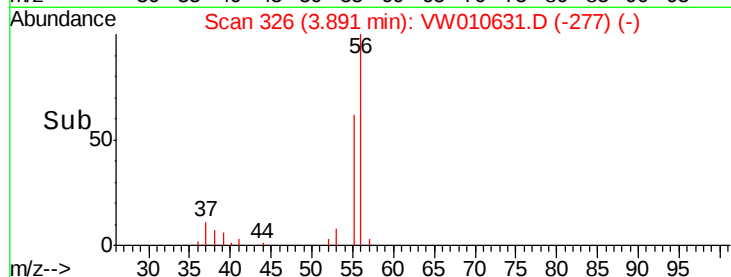
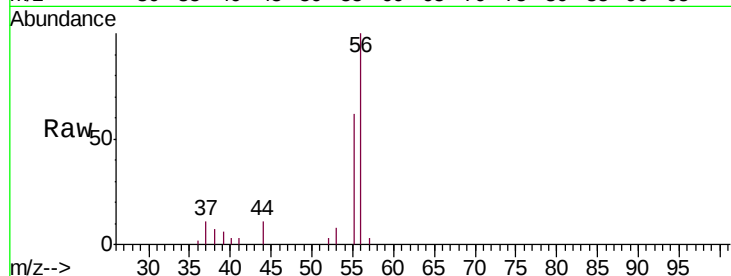
VW0531SBS01

Tgt Ion: 56 Resp: 8038

Ion Ratio Lower Upper

56 100

55 70.6 57.9 86.9



#14

Allyl chloride

Concen: 18.553 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW010631.D

Acq: 31 May 2019 12:43

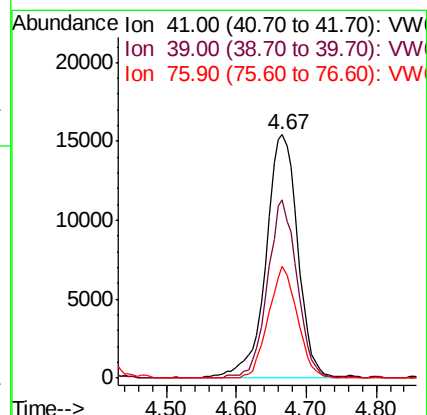
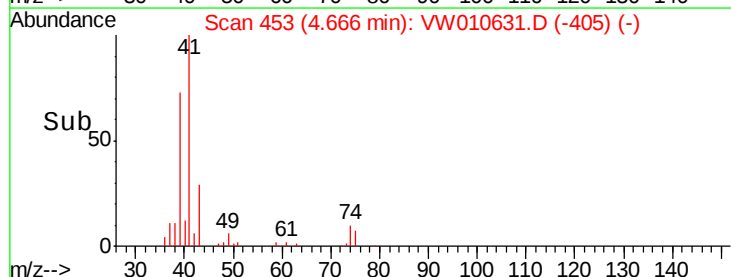
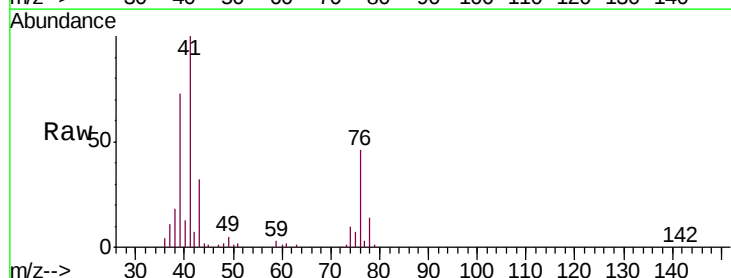
Tgt Ion: 41 Resp: 48920

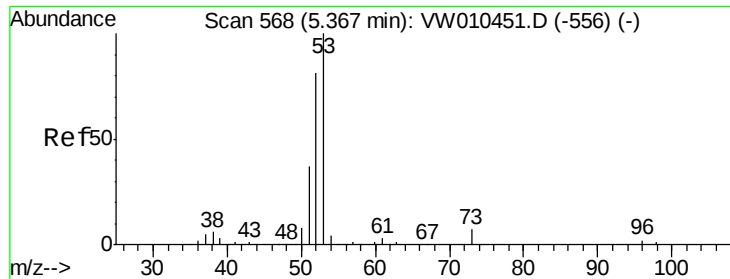
Ion Ratio Lower Upper

41 100

39 68.1 55.0 82.4

76 41.7 32.8 49.2





#15

Acrylonitrile

Concen: 88.749 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW010631.D

Acq: 31 May 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

VW0531SBS01

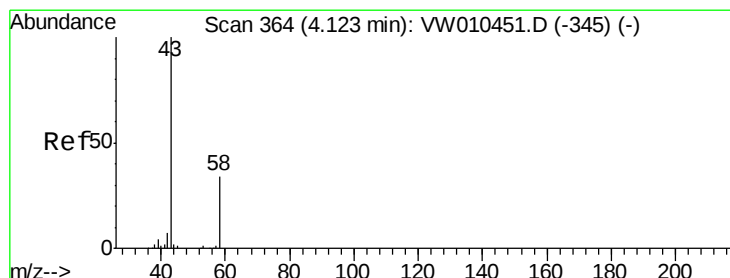
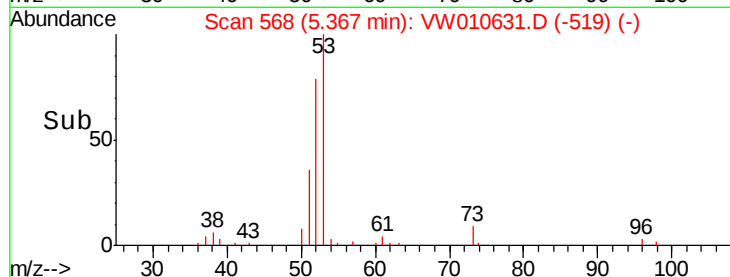
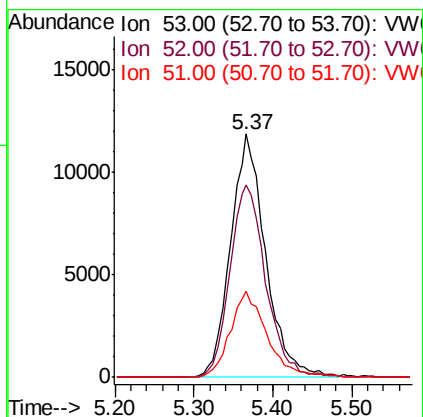
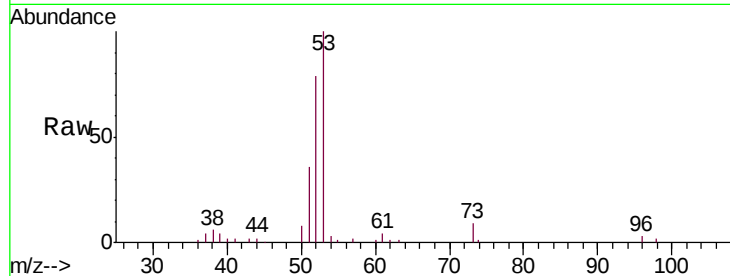
Tgt Ion: 53 Resp: 36508

Ion Ratio Lower Upper

53 100

52 80.7 65.6 98.4

51 37.1 29.5 44.3



#16

Acetone

Concen: 97.976 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW010631.D

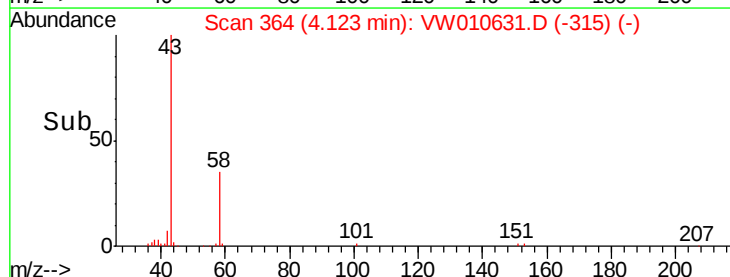
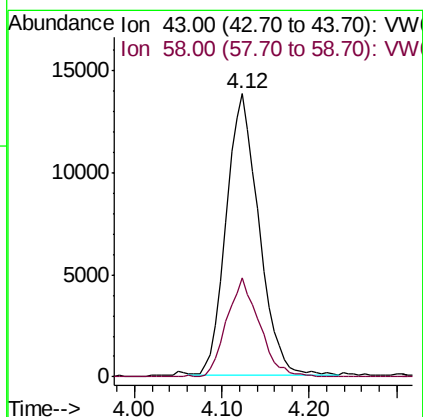
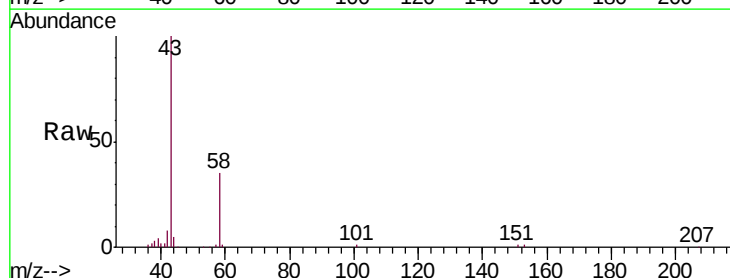
Acq: 31 May 2019 12:43

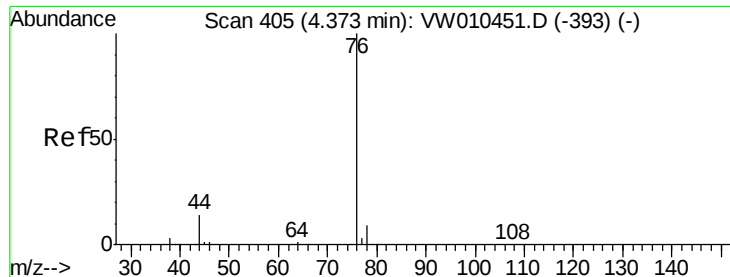
Tgt Ion: 43 Resp: 35599

Ion Ratio Lower Upper

43 100

58 35.3 27.0 40.4

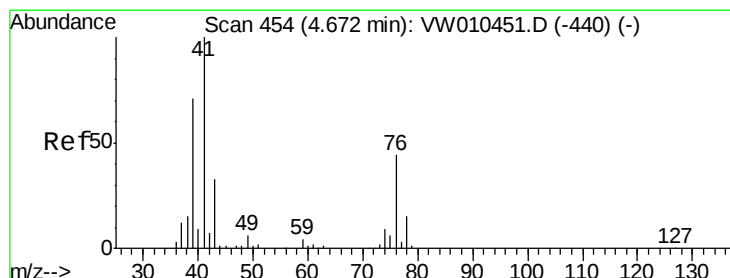
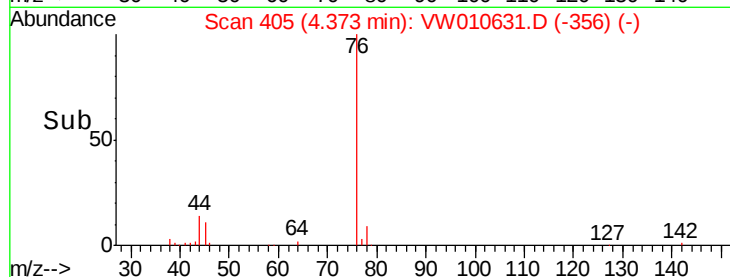
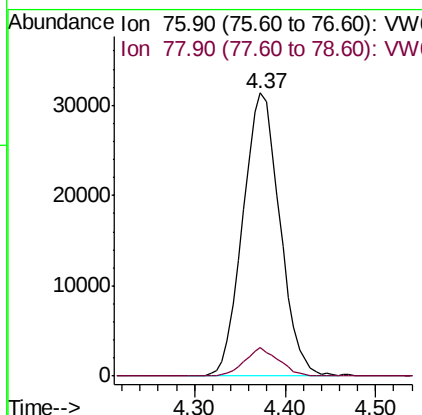
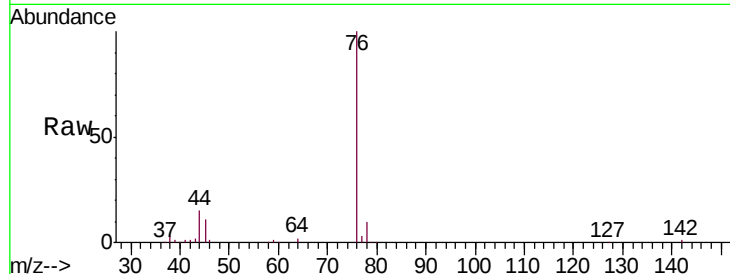




#17
Carbon Disulfide
Concen: 16.318 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW010631.D
Acq: 31 May 2019 12:43

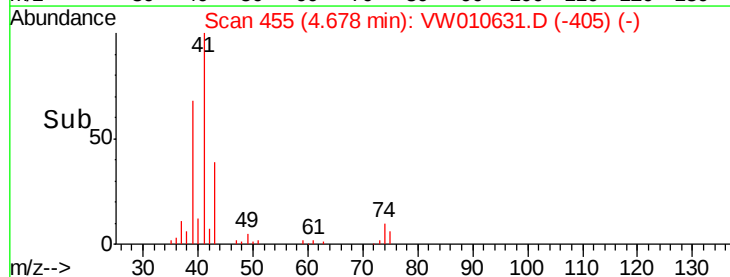
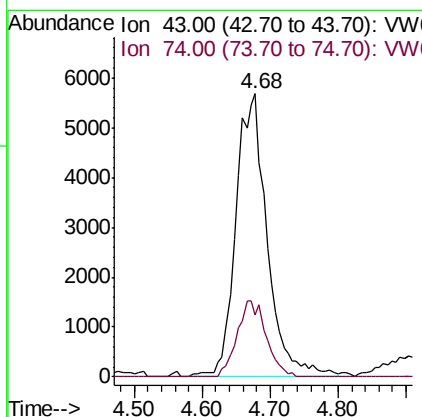
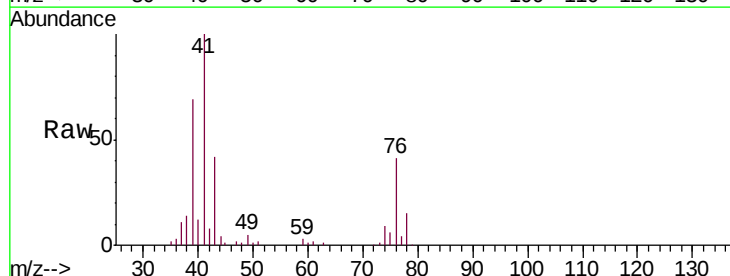
Instrument :
MSVOA_W
ClientSampleId :
VW0531SBS01

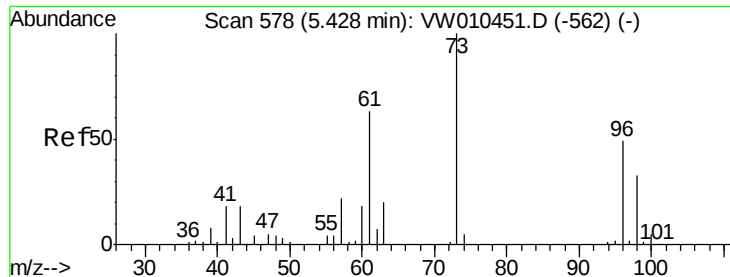
Tgt Ion: 76 Resp: 88661
Ion Ratio Lower Upper
76 100
78 9.9 7.1 10.7



#18
Methyl Acetate
Concen: 20.490 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW010631.D
Acq: 31 May 2019 12:43

Tgt Ion: 43 Resp: 18208
Ion Ratio Lower Upper
43 100
74 24.7 21.6 32.4

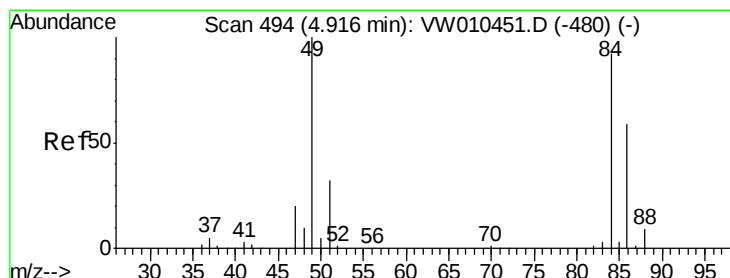
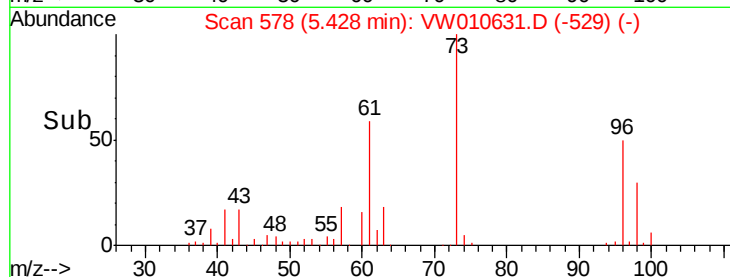
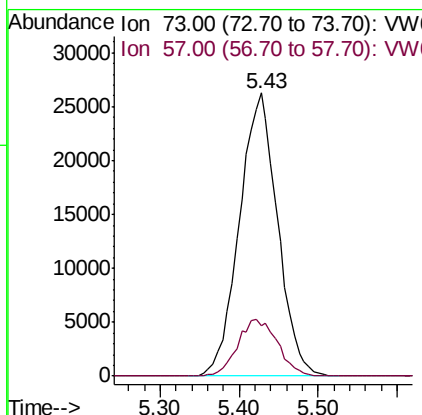
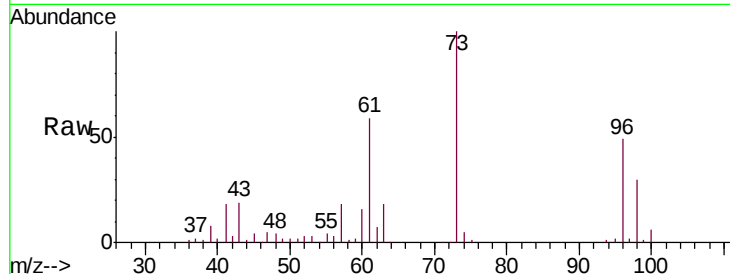




#19
Methyl tert-butyl Ether
Concen: 19.001 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW010631.D
Acq: 31 May 2019 12:43

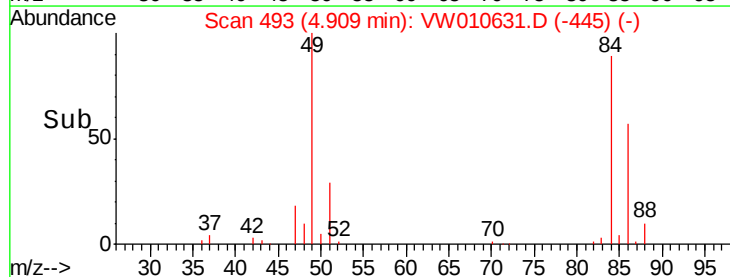
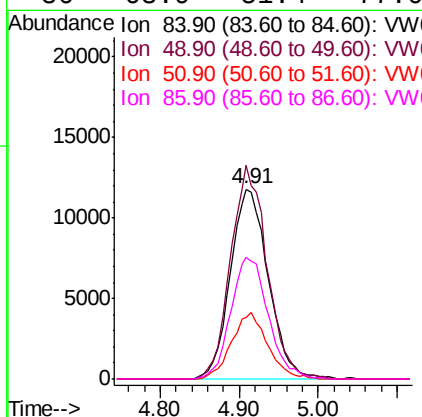
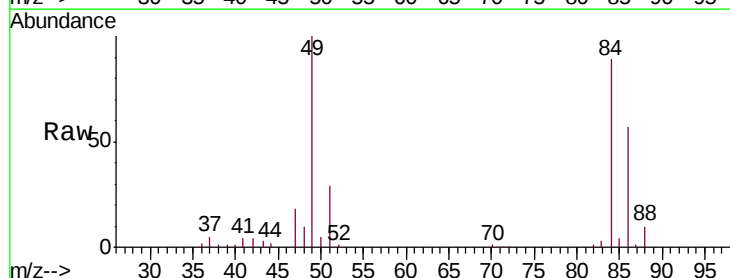
Instrument :
MSVOA_W
ClientSampleId :
VW0531SBS01

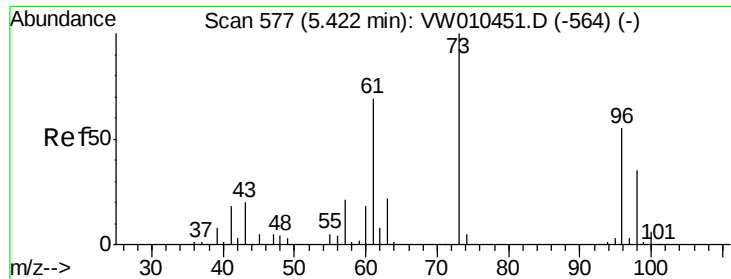
Tgt Ion: 73 Resp: 88237
Ion Ratio Lower Upper
73 100
57 18.0 17.4 26.0



#20
Methylene Chloride
Concen: 14.937 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW010631.D
Acq: 31 May 2019 12:43

Tgt Ion: 84 Resp: 39427
Ion Ratio Lower Upper
84 100
49 112.6 87.2 130.8
51 32.6 27.7 41.5
86 63.9 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 19.996 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW010631.D

Acq: 31 May 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

VW0531SBS01

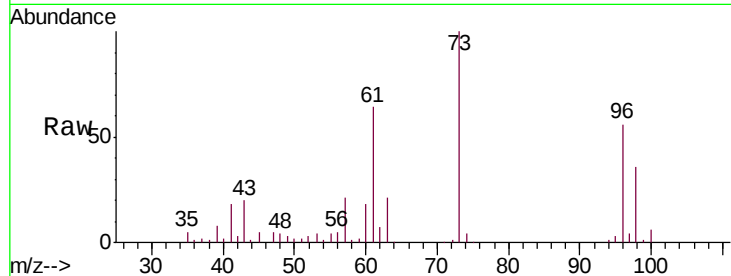
Tgt Ion: 96 Resp: 41780

Ion Ratio Lower Upper

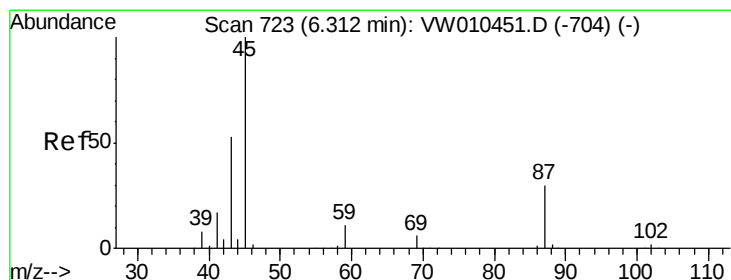
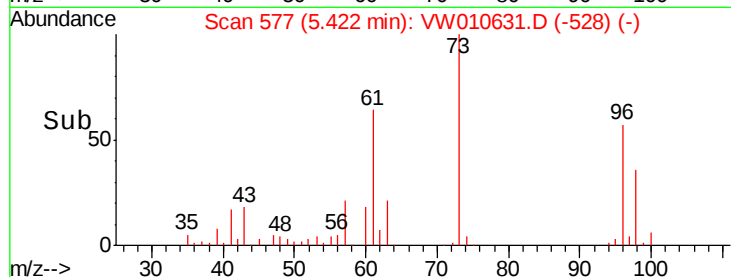
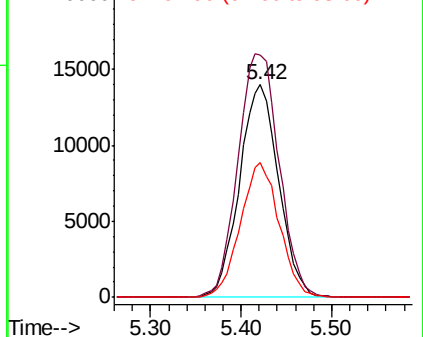
96 100

61 114.0 101.4 152.0

98 63.3 50.6 76.0



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



#22

Diisopropyl ether

Concen: 19.244 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW010631.D

Acq: 31 May 2019 12:43

Tgt Ion: 45 Resp: 104041

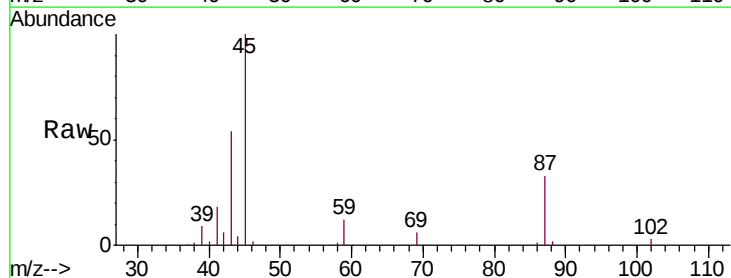
Ion Ratio Lower Upper

45 100

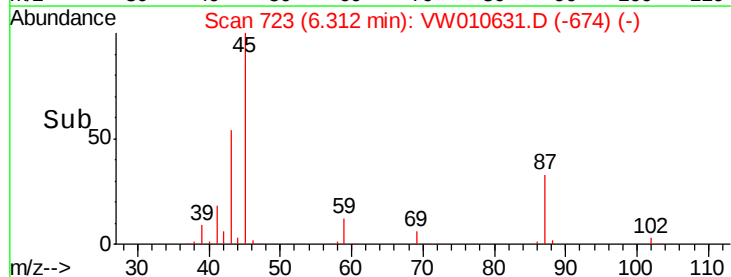
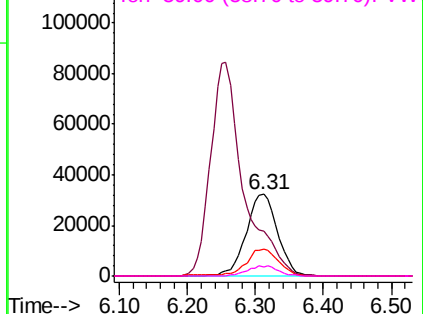
43 53.9 42.9 64.3

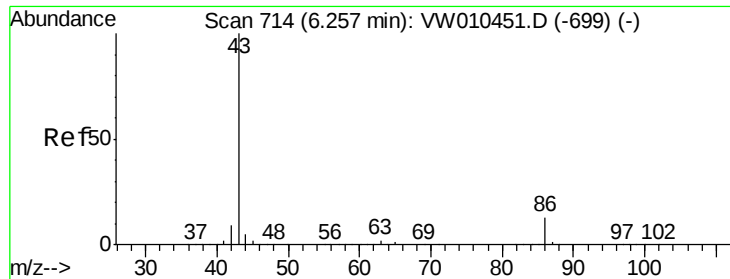
87 32.7 24.6 36.8

59 11.8 9.4 14.0



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





#23

Vinyl Acetate

Concen: 88.275 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW010631.D

Acq: 31 May 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

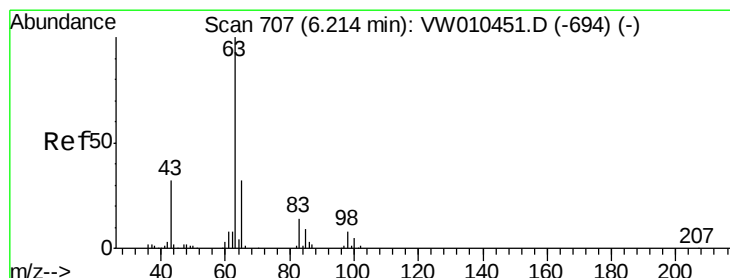
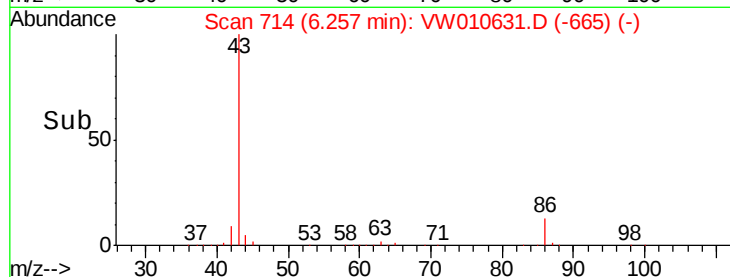
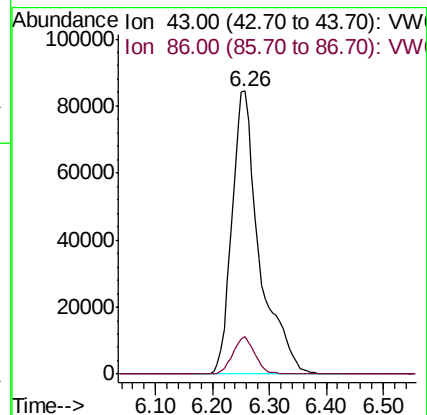
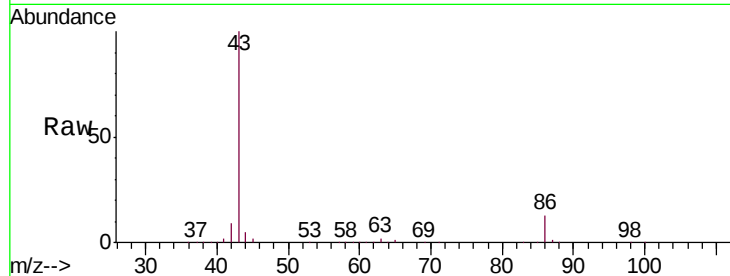
VW0531SBS01

Tgt Ion: 43 Resp: 285089

Ion Ratio Lower Upper

43 100

86 13.1 10.3 15.5



#24

1,1-Dichloroethane

Concen: 20.075 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW010631.D

Acq: 31 May 2019 12:43

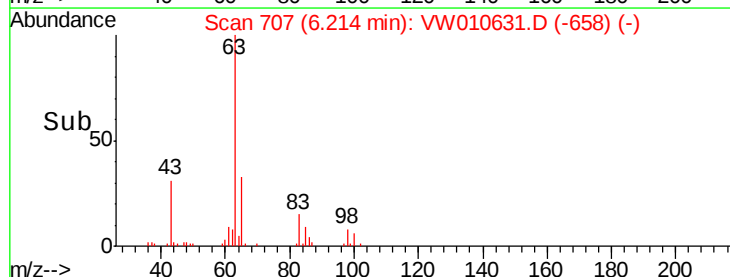
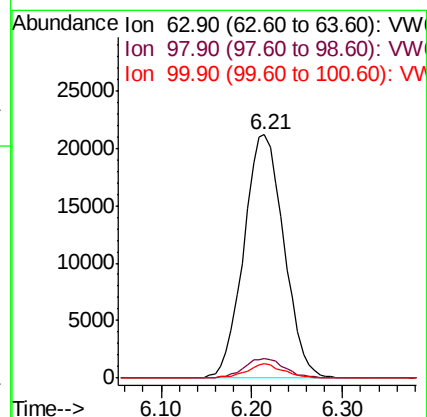
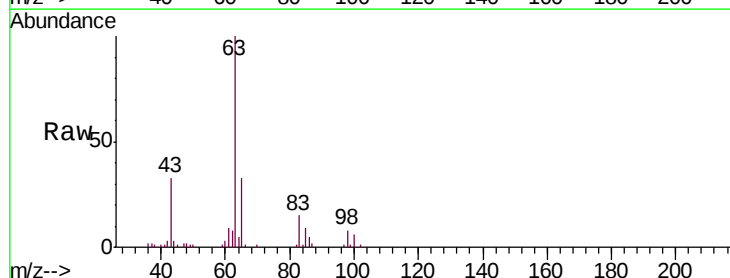
Tgt Ion: 63 Resp: 64769

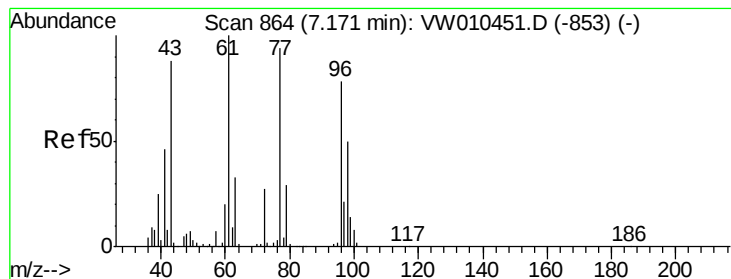
Ion Ratio Lower Upper

63 100

98 8.0 3.8 11.2

100 5.7 2.5 7.4





#25

2-Butanone

Concen: 96.806 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010631.D

Acq: 31 May 2019 12:43

Instrument :

MSVOA_W

ClientSampled :

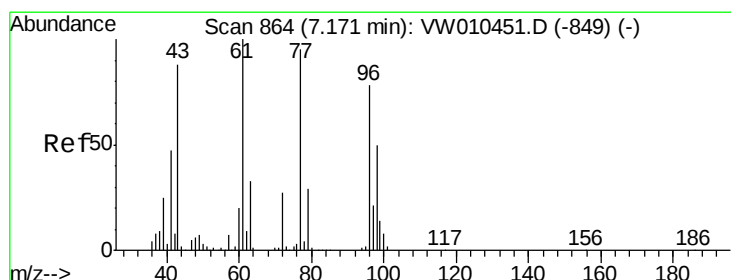
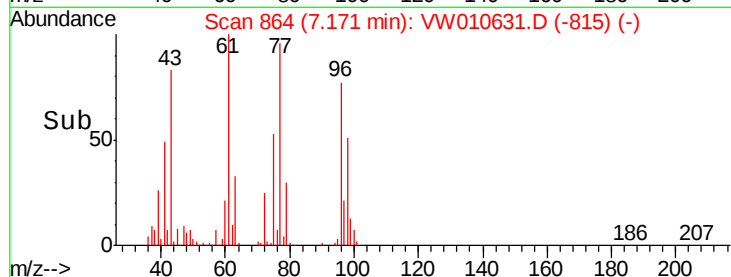
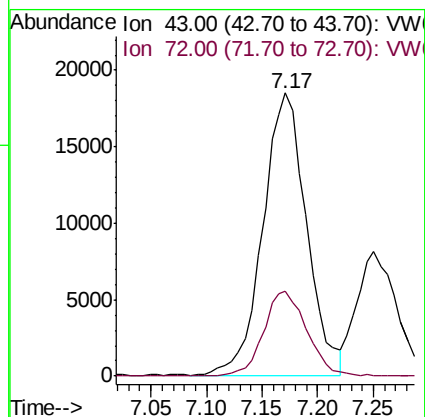
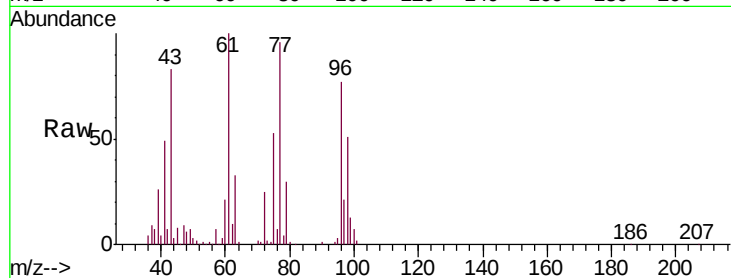
VW0531SBS01

Tgt Ion: 43 Resp: 50337

Ion Ratio Lower Upper

43 100

72 30.1 24.1 36.1



#26

2,2-Dichloropropane

Concen: 22.295 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW010631.D

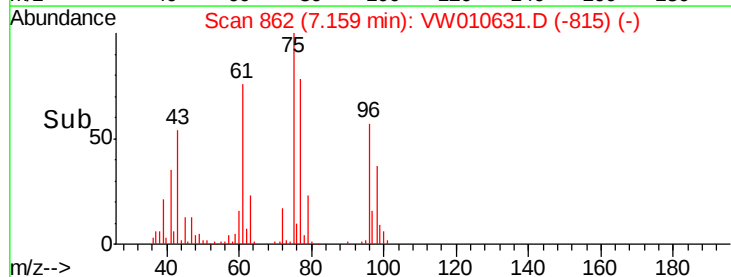
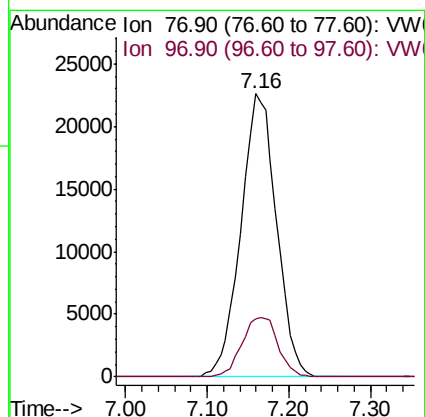
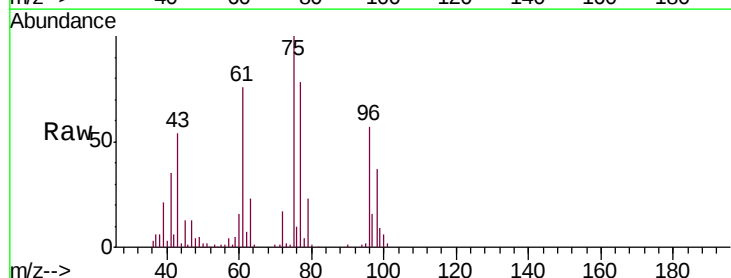
Acq: 31 May 2019 12:43

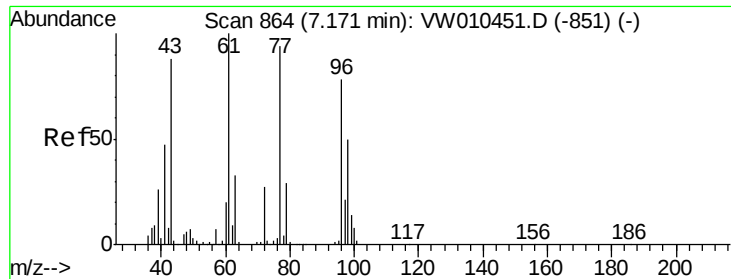
Tgt Ion: 77 Resp: 68519

Ion Ratio Lower Upper

77 100

97 21.2 11.7 35.0



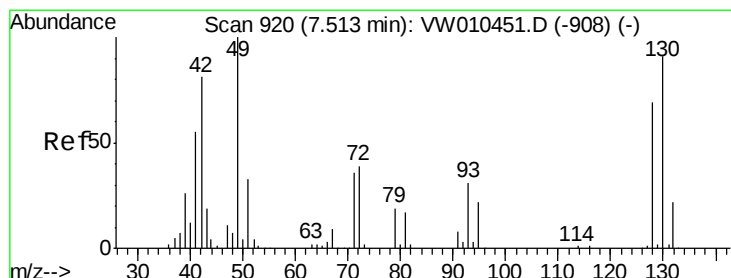
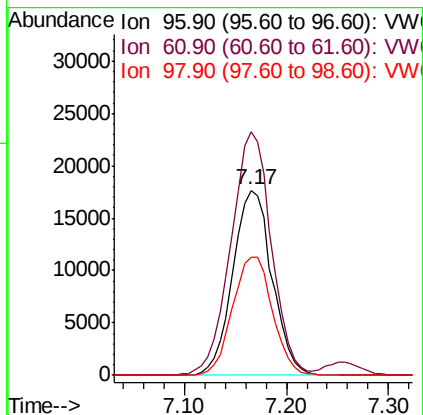
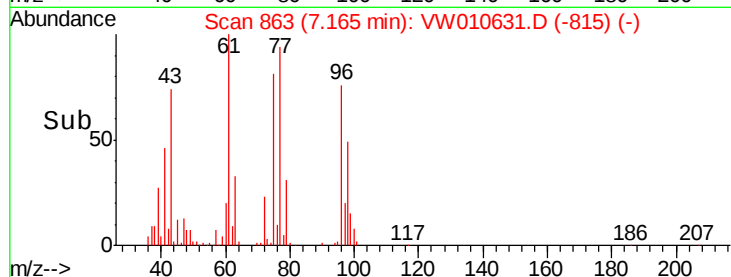
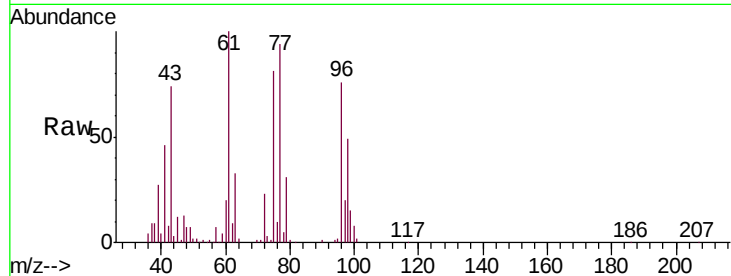


#27

cis-1,2-Dichloroethene
Concen: 20.733 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW010631.D
Acq: 31 May 2019 12:43

Instrument :
MSVOA_W
ClientSampleId :
VW0531SBS01

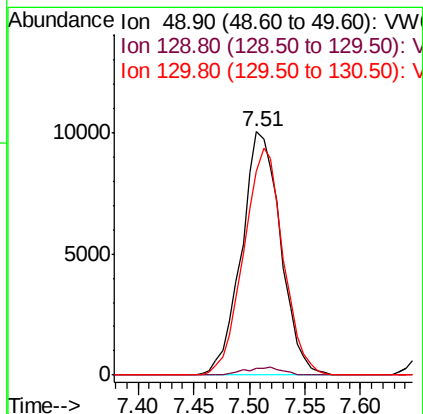
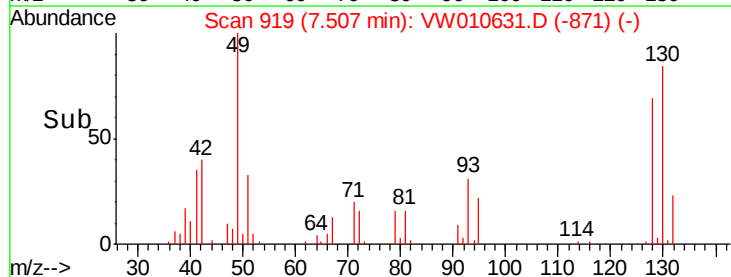
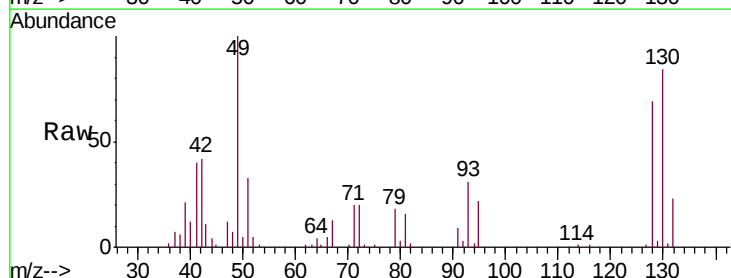
Tgt Ion: 96 Resp: 47096
Ion Ratio Lower Upper
96 100
61 136.4 0.0 265.4
98 65.2 0.0 129.4

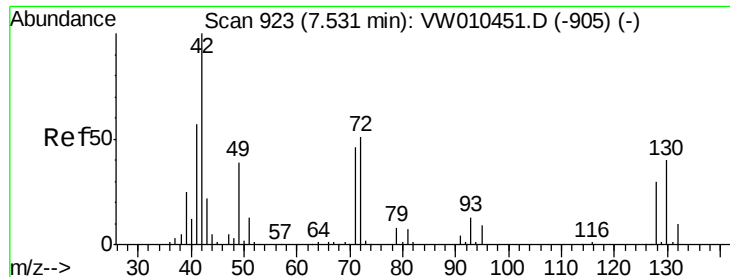


#28

Bromochloromethane
Concen: 21.250 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW010631.D
Acq: 31 May 2019 12:43

Tgt Ion: 49 Resp: 24547
Ion Ratio Lower Upper
49 100
129 3.0 0.0 4.8
130 93.8 71.2 106.8

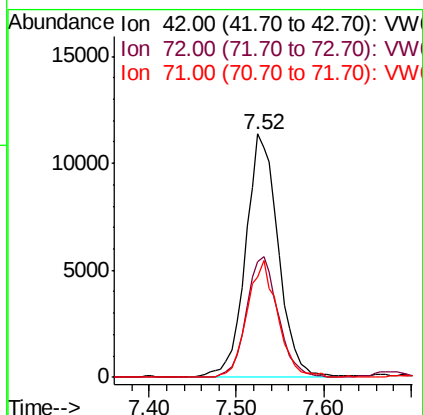
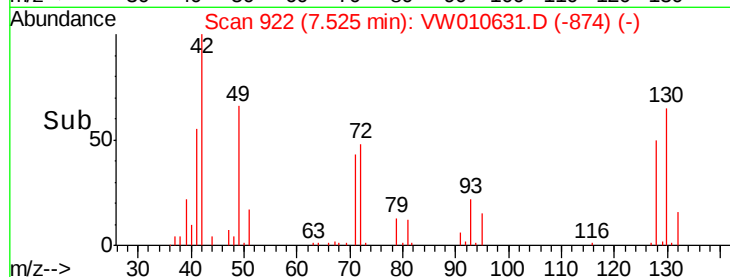
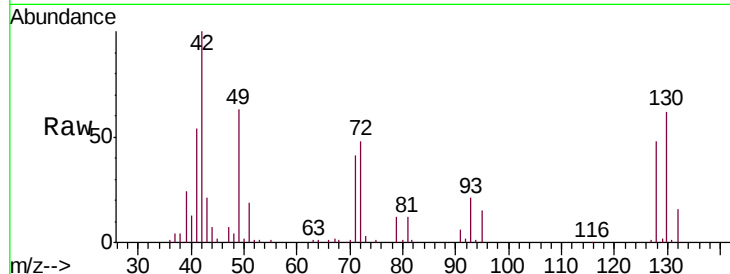




#29
Tetrahydrofuran
Concen: 83.838 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW010631.D
Acq: 31 May 2019 12:43

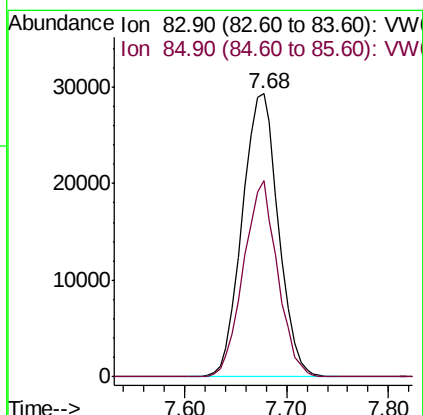
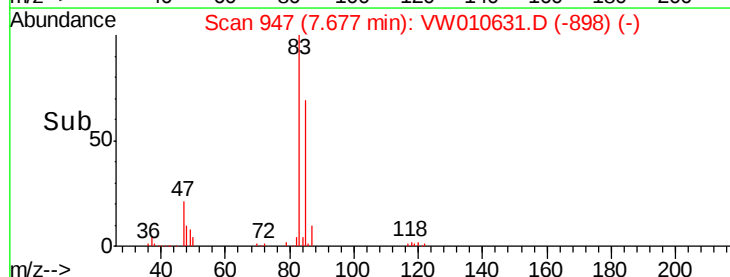
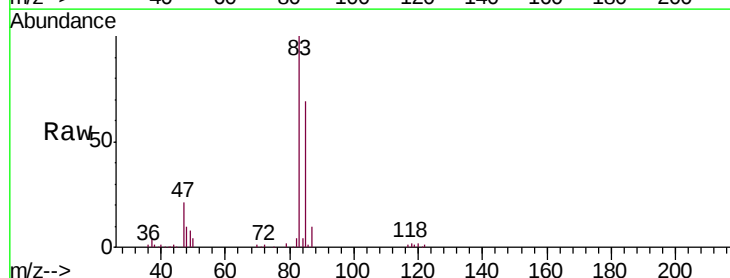
Instrument :
MSVOA_W
ClientSampleId :
VW0531SBS01

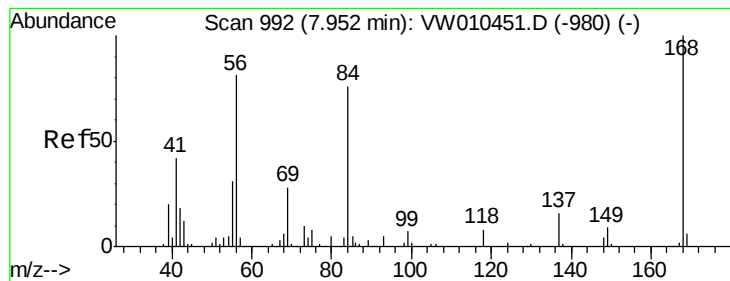
Tgt Ion: 42 Resp: 29499
Ion Ratio Lower Upper
42 100
72 47.9 38.5 57.7
71 45.1 36.5 54.7



#30
Chloroform
Concen: 20.762 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW010631.D
Acq: 31 May 2019 12:43

Tgt Ion: 83 Resp: 72252
Ion Ratio Lower Upper
83 100
85 69.3 52.2 78.4





#31

Cyclohexane

Concen: 18.694 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010631.D

Acq: 31 May 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

VW0531SBS01

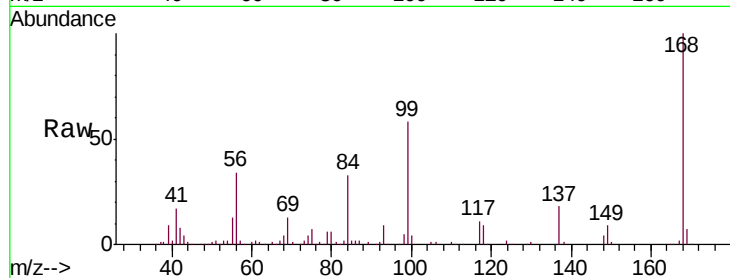
Tgt Ion: 56 Resp: 63180

Ion Ratio Lower Upper

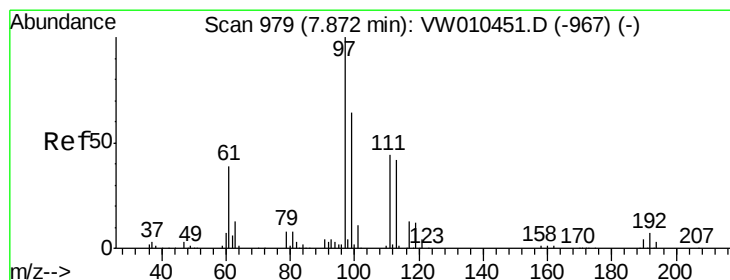
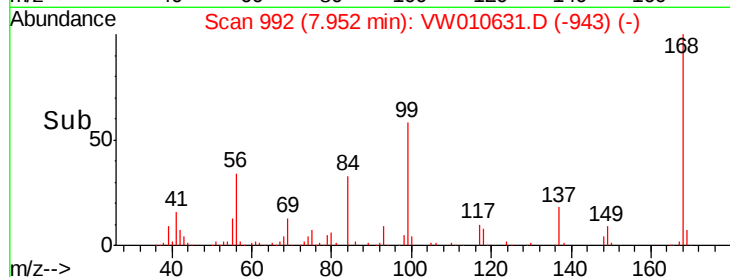
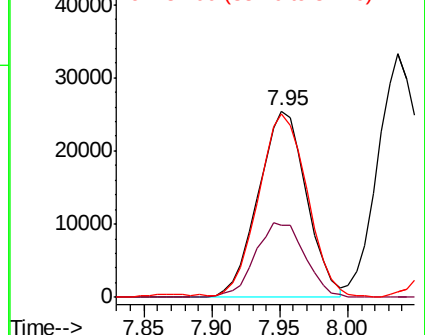
56 100

69 38.8 28.2 42.2

84 97.4 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: 20.726 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW010631.D

Acq: 31 May 2019 12:43

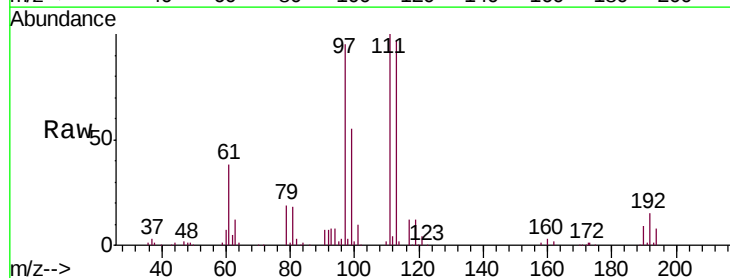
Tgt Ion: 97 Resp: 68940

Ion Ratio Lower Upper

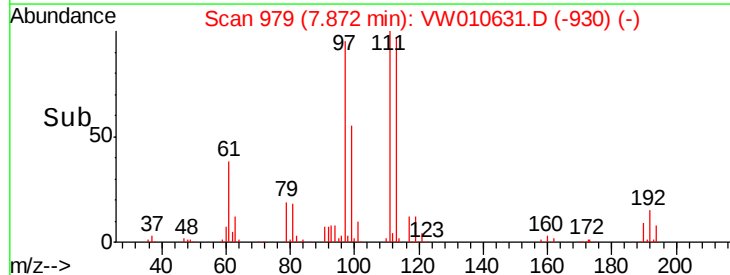
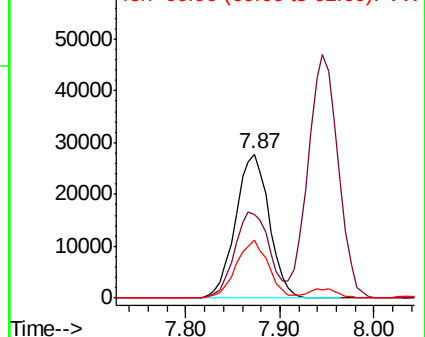
97 100

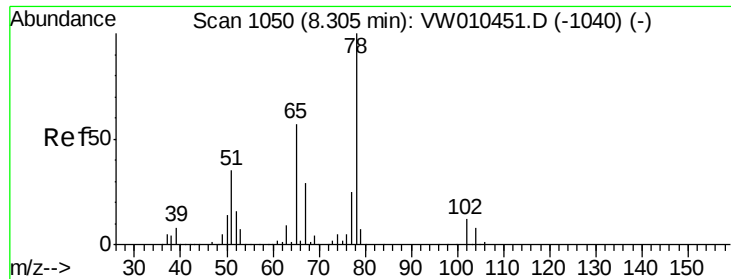
99 63.6 50.8 76.2

61 39.2 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: 46.259 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010631.D

Acq: 31 May 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

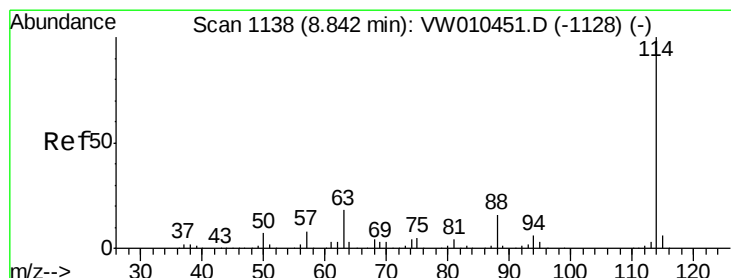
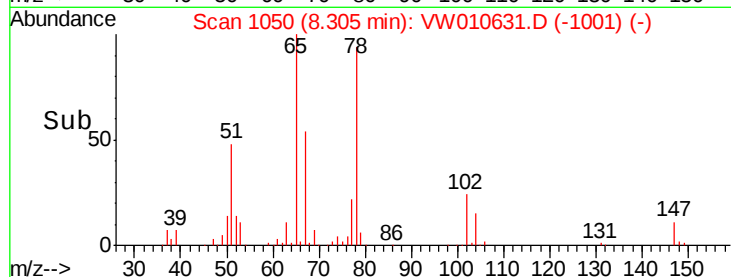
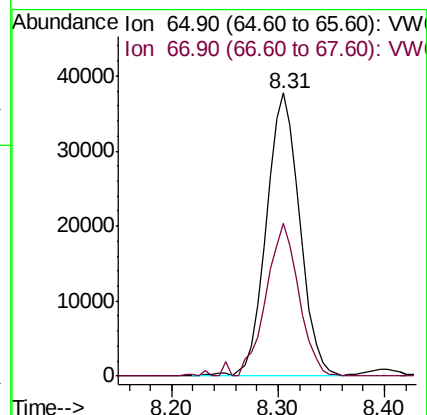
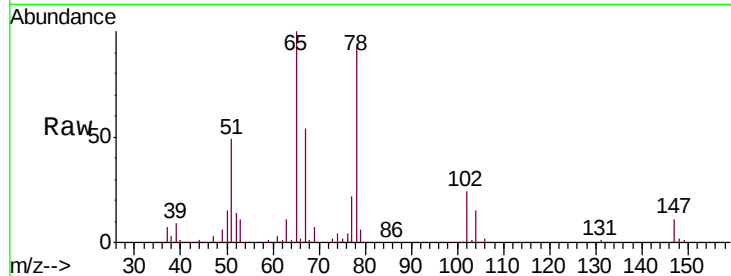
VW0531SBS01

Tgt Ion: 65 Resp: 82342

Ion Ratio Lower Upper

65 100

67 53.0 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: VW010631.D

Acq: 31 May 2019 12:43

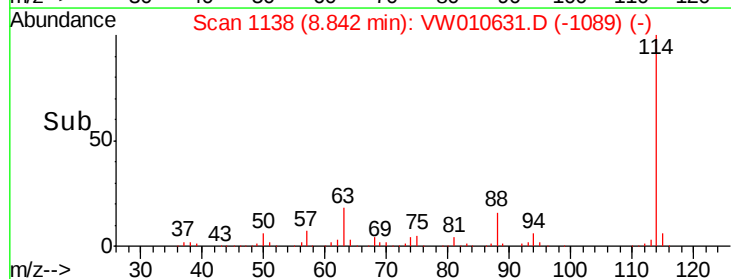
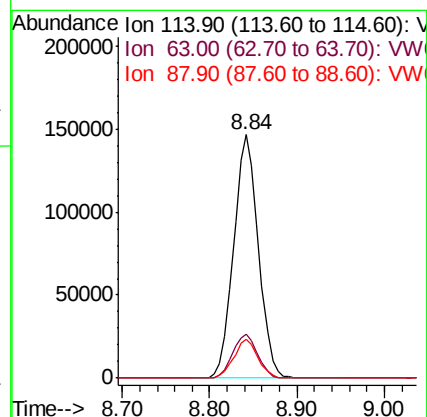
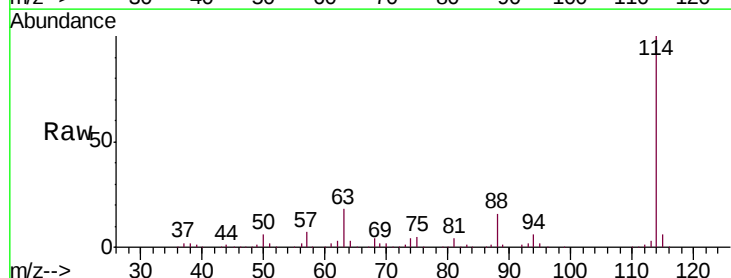
Tgt Ion: 114 Resp: 286781

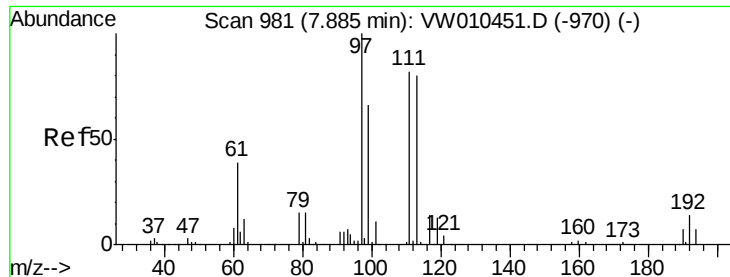
Ion Ratio Lower Upper

114 100

63 17.9 0.0 36.0

88 15.7 0.0 32.0





#35

Dibromofluoromethane

Concen: 49.866 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW010631.D

Acq: 31 May 2019 12:43

Instrument :
MSVOA_W
ClientSampleId :
VW0531SBS01

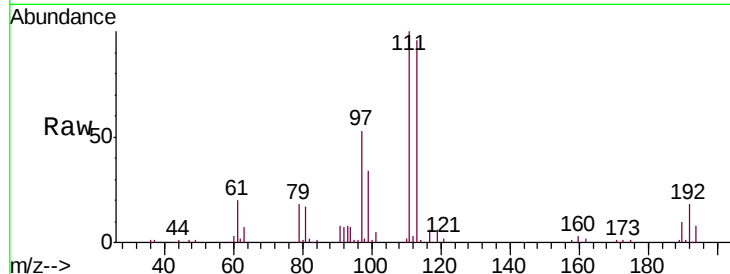
Tgt Ion:113 Resp: 86773

Ion Ratio Lower Upper

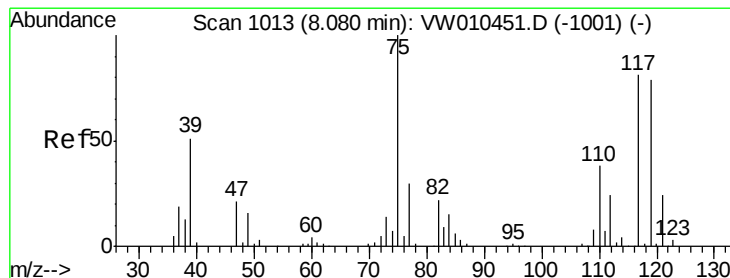
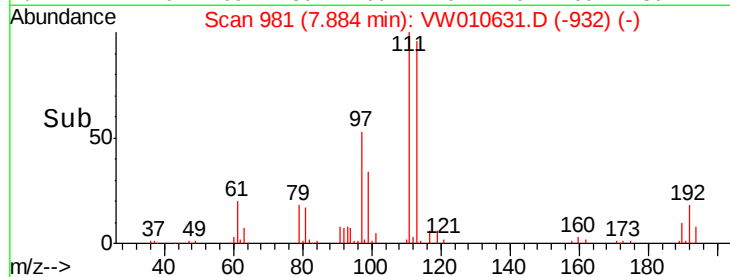
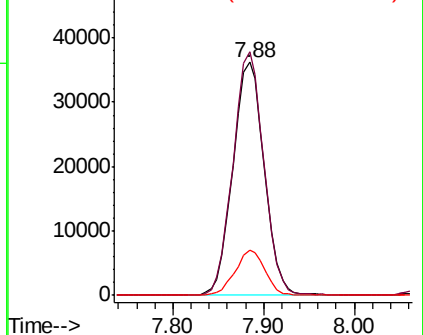
113 100

111 102.7 82.2 123.4

192 18.3 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: 21.405 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW010631.D

Acq: 31 May 2019 12:43

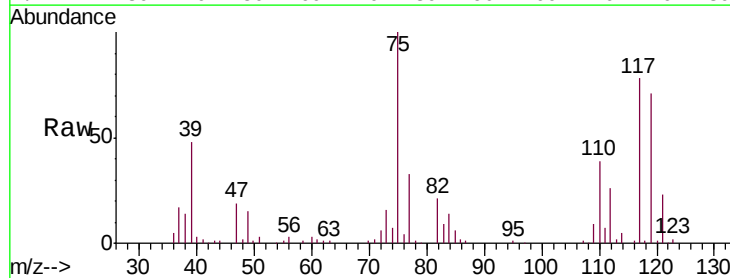
Tgt Ion: 75 Resp: 57184

Ion Ratio Lower Upper

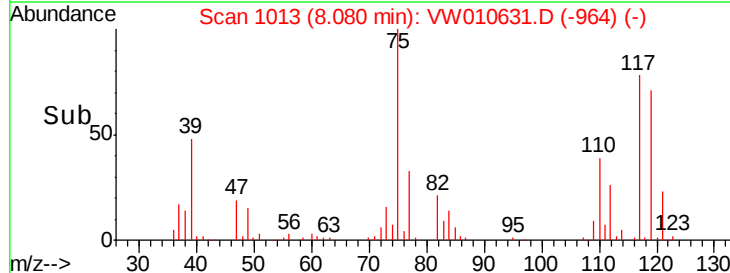
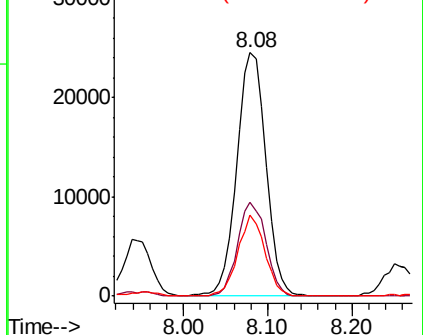
75 100

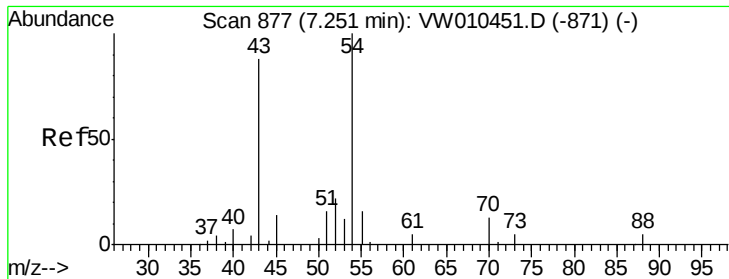
110 37.5 19.2 57.6

77 30.7 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

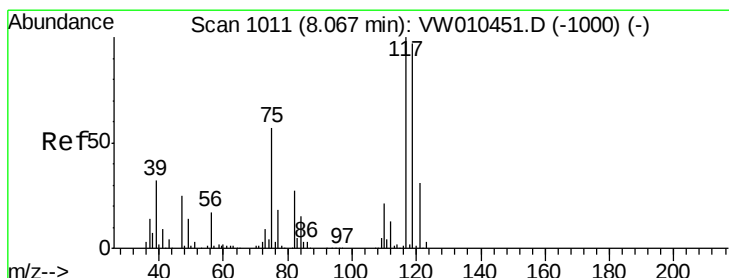
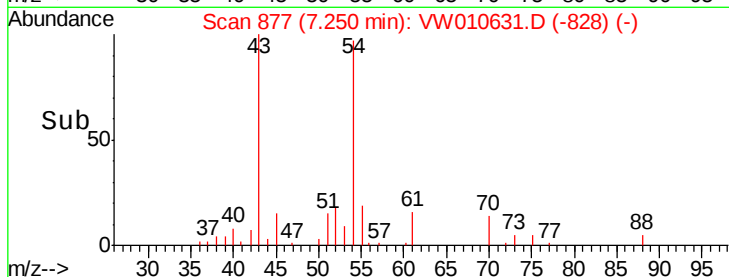
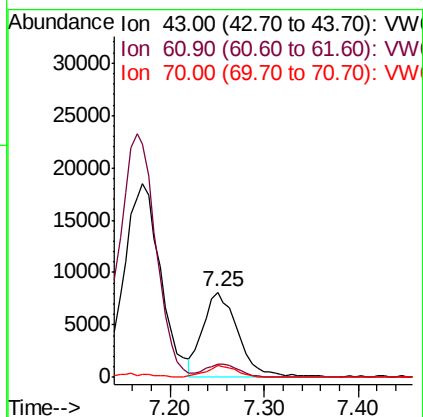
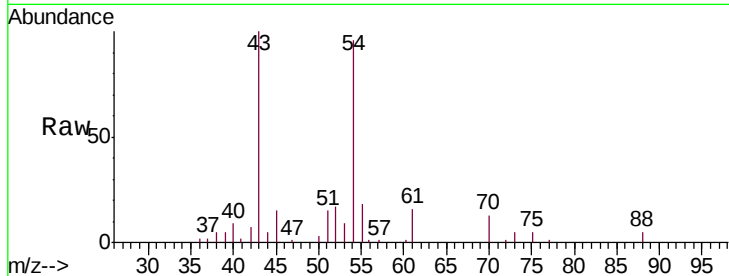




#37
Ethyl Acetate
Concen: 18.222 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW010631.D
Acq: 31 May 2019 12:43

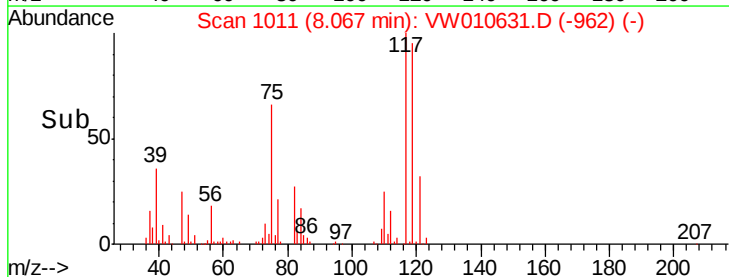
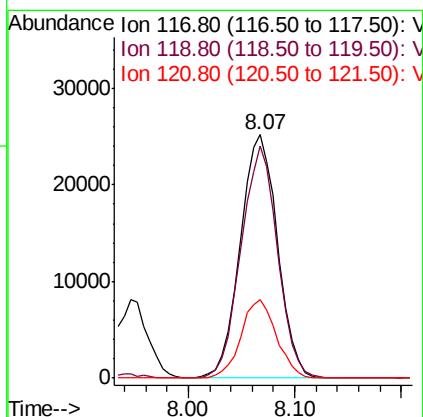
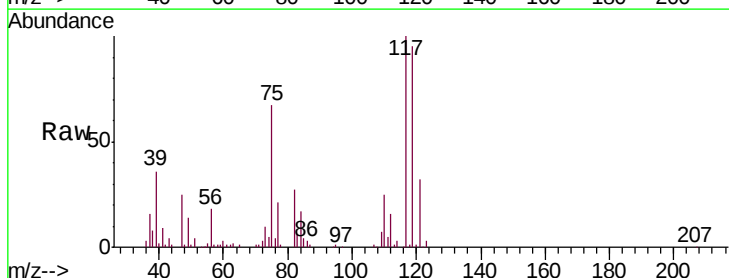
Instrument :
MSVOA_W
ClientSampleId :
VW0531SBS01

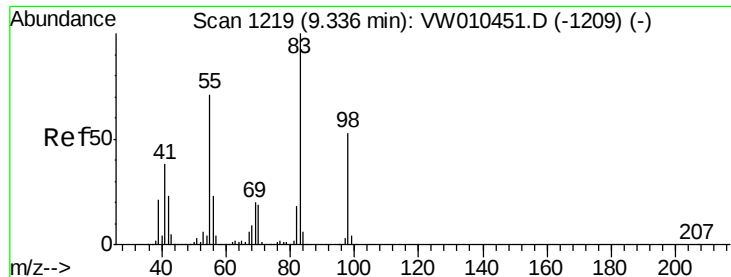
Tgt Ion: 43 Resp: 20701
Ion Ratio Lower Upper
43 100
61 14.9 11.2 16.8
70 12.3 9.9 14.9



#38
Carbon Tetrachloride
Concen: 21.436 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW010631.D
Acq: 31 May 2019 12:43

Tgt Ion: 117 Resp: 61777
Ion Ratio Lower Upper
117 100
119 95.1 77.4 116.0
121 32.2 25.0 37.6

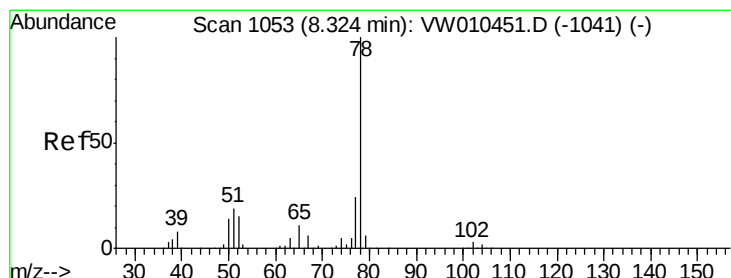
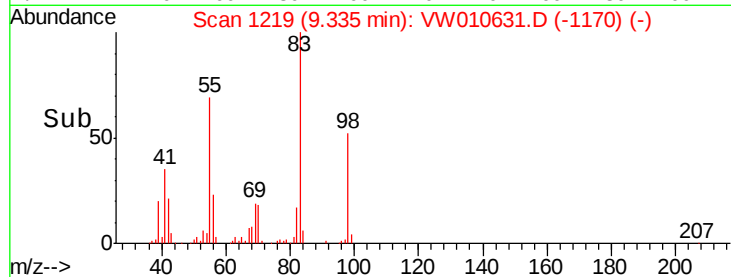
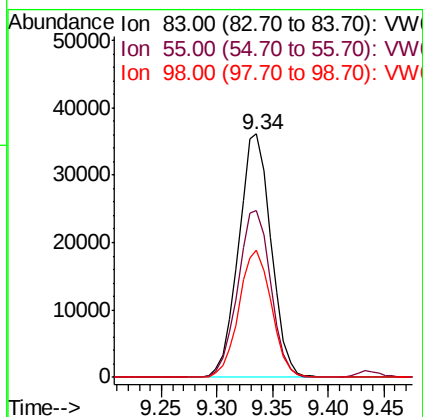
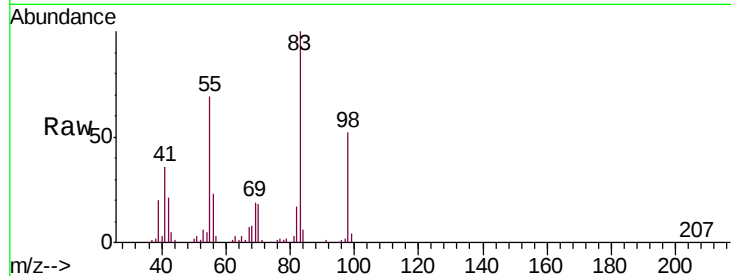




#39
Methylcyclohexane
Concen: 20.443 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010631.D
Acq: 31 May 2019 12:43

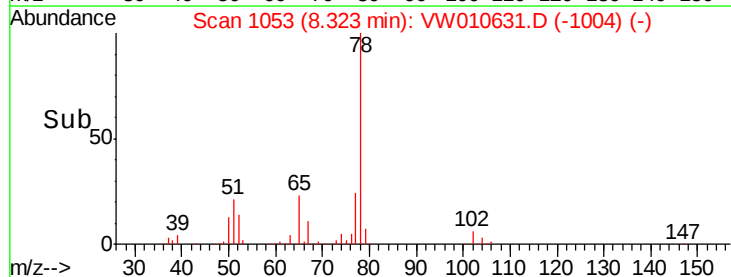
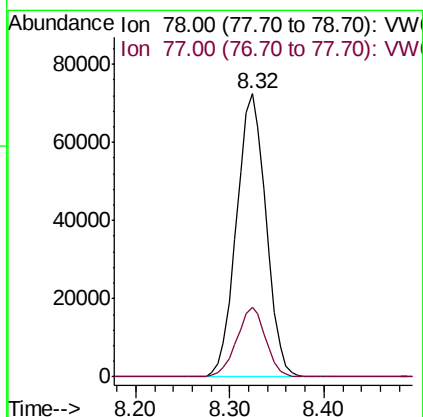
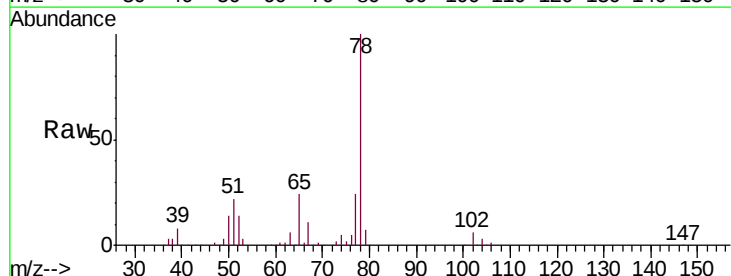
Instrument :
MSVOA_W
ClientSampleId :
VW0531SBS01

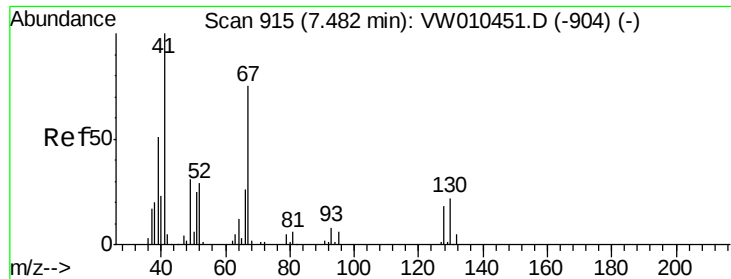
Tgt Ion: 83 Resp: 73171
Ion Ratio Lower Upper
83 100
55 68.8 57.0 85.6
98 52.4 42.0 63.0



#40
Benzene
Concen: 21.332 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW010631.D
Acq: 31 May 2019 12:43

Tgt Ion: 78 Resp: 158397
Ion Ratio Lower Upper
78 100
77 24.5 18.9 28.3

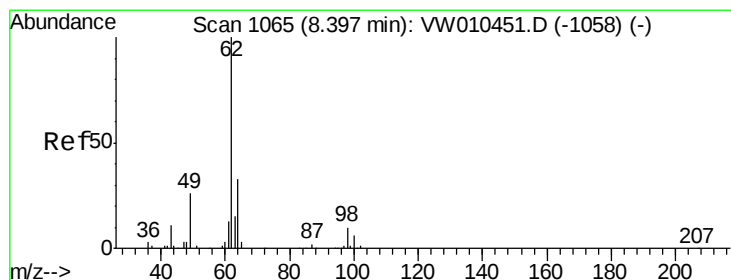
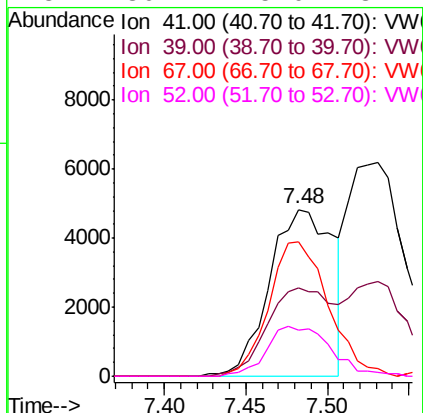
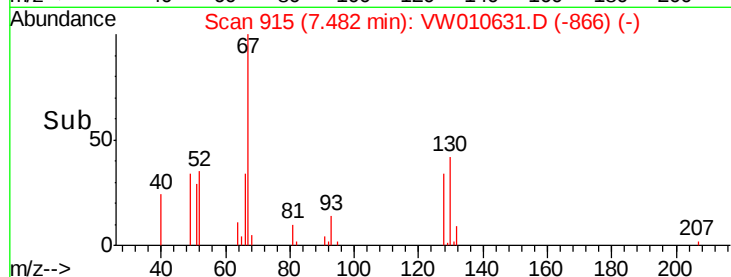
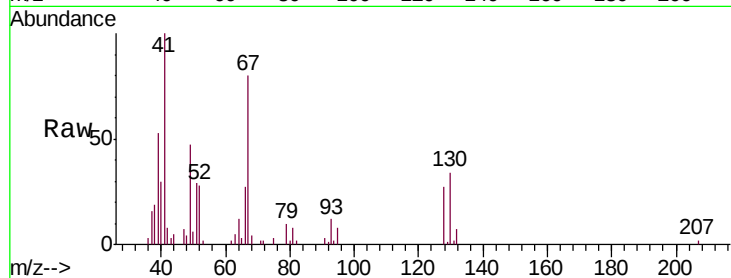




#41
Methacrylonitrile
Concen: 19.336 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW010631.D
Acq: 31 May 2019 12:43

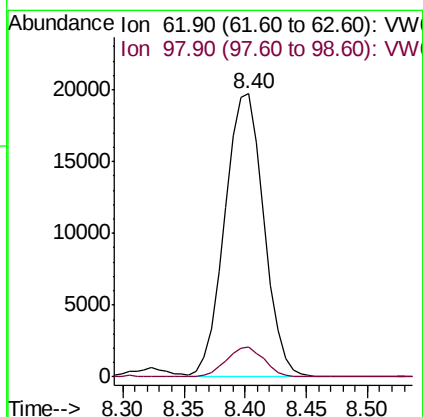
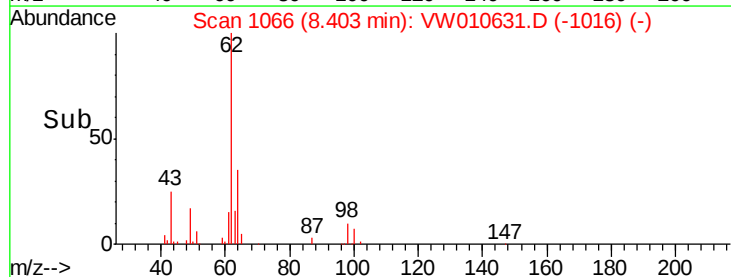
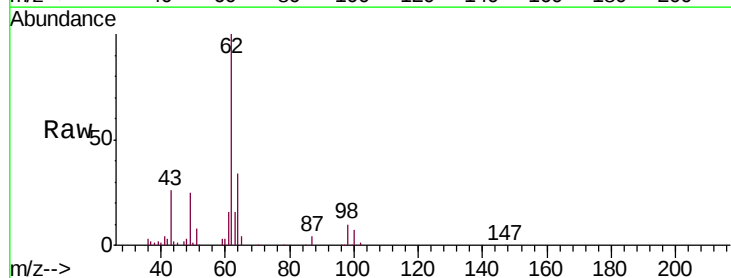
Instrument :
MSVOA_W
ClientSampleId :
VW0531SBS01

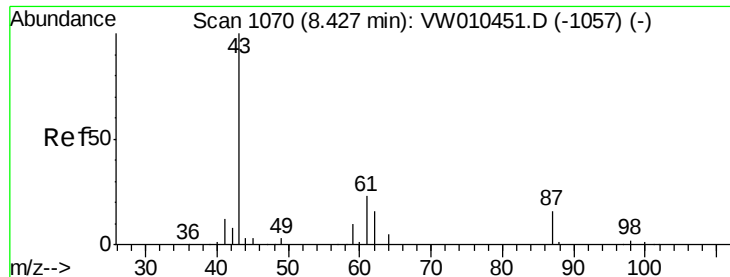
Tgt Ion:	41	Resp:	13052
Ion	Ratio	Lower	Upper
41	100		
39	55.1	47.4	71.2
67	75.5	65.5	98.3
52	30.2	25.0	37.4



#42
1,2-Dichloroethane
Concen: 20.561 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW010631.D
Acq: 31 May 2019 12:43

Tgt Ion:	62	Resp:	43635
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	21.0





#43

Isopropyl Acetate

Concen: 17.934 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW010631.D

Acq: 31 May 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

VW0531SBS01

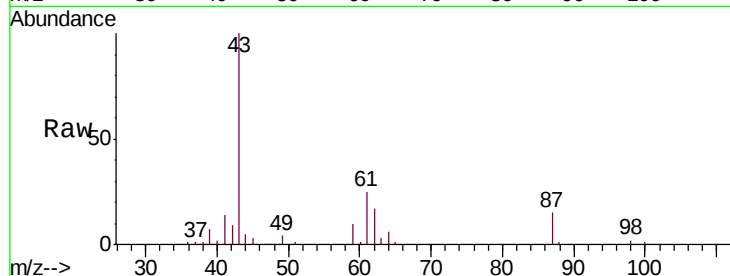
Tgt Ion: 43 Resp: 40703

Ion Ratio Lower Upper

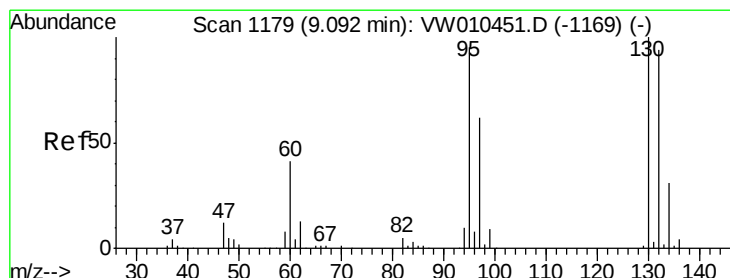
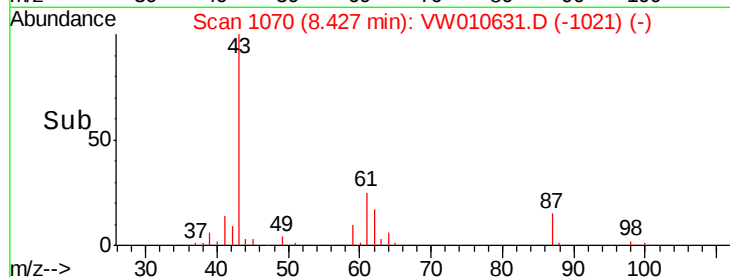
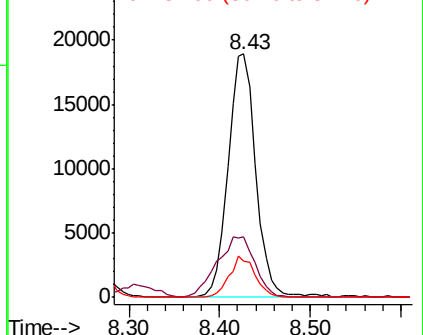
43 100

61 34.0 25.4 38.2

87 15.6 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: 21.856 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW010631.D

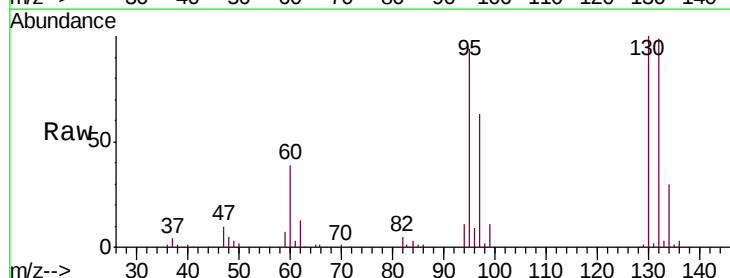
Acq: 31 May 2019 12:43

Tgt Ion: 130 Resp: 48180

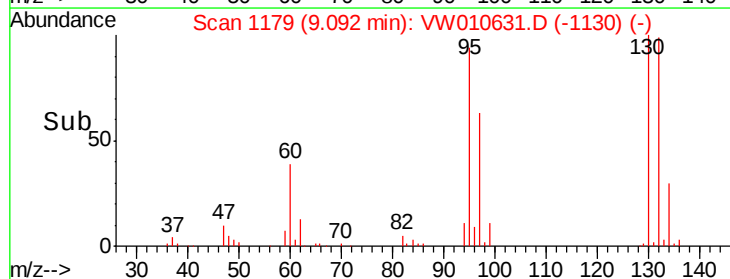
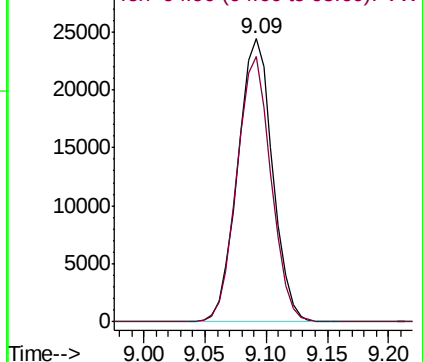
Ion Ratio Lower Upper

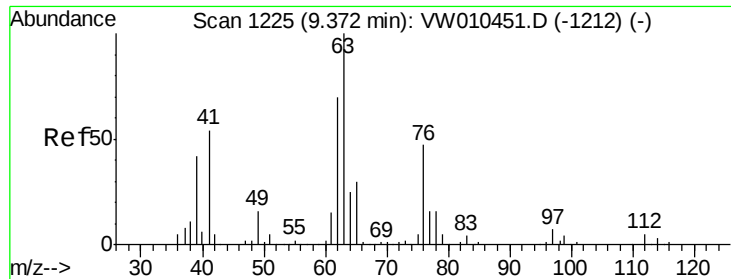
130 100

95 93.8 0.0 189.6



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





#45

1,2-Dichloropropane

Concen: 21.039 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VW010631.D

Acq: 31 May 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

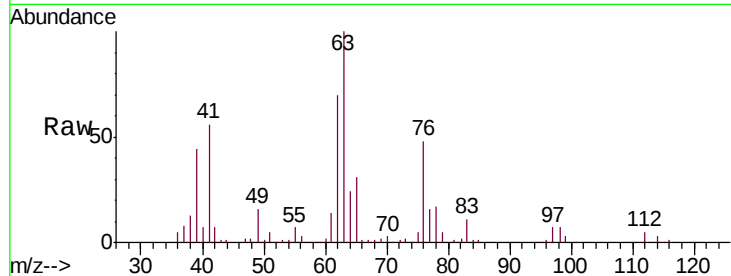
VW0531SBS01

Tgt Ion: 63 Resp: 37103

Ion Ratio Lower Upper

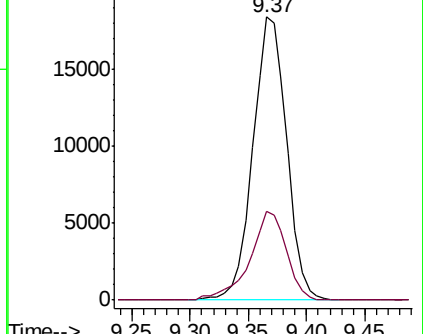
63 100

65 31.2 24.3 36.5

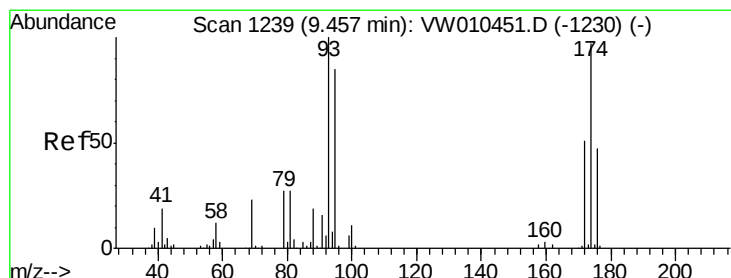
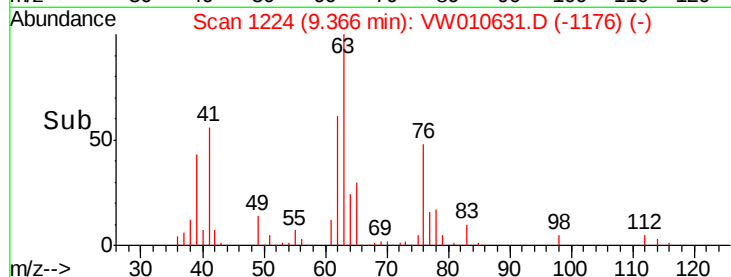


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



Time-->



#46

Dibromomethane

Concen: 21.023 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW010631.D

Acq: 31 May 2019 12:43

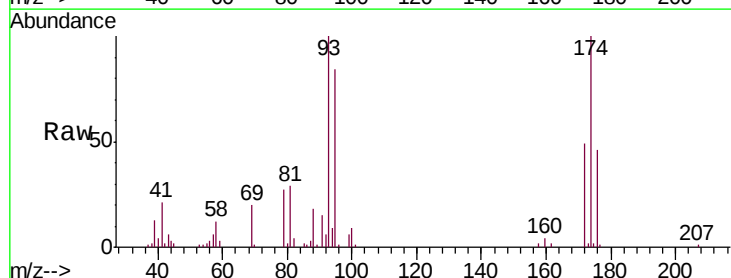
Tgt Ion: 93 Resp: 21682

Ion Ratio Lower Upper

93 100

95 82.2 66.1 99.1

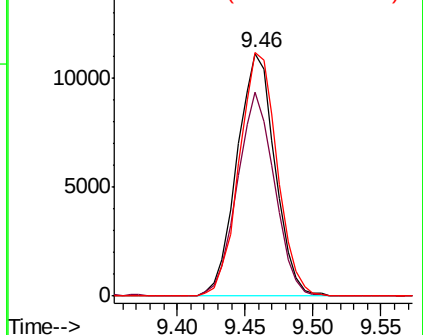
174 100.3 77.1 115.7



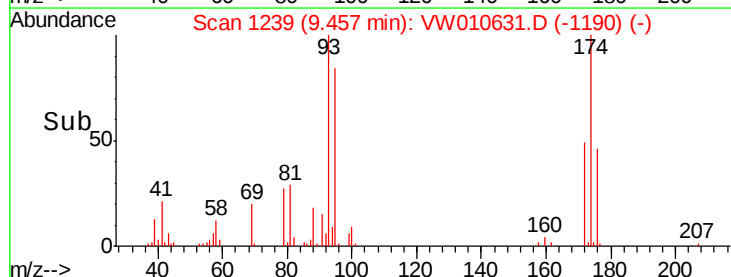
Abundance Ion 92.80 (92.50 to 93.50): VW

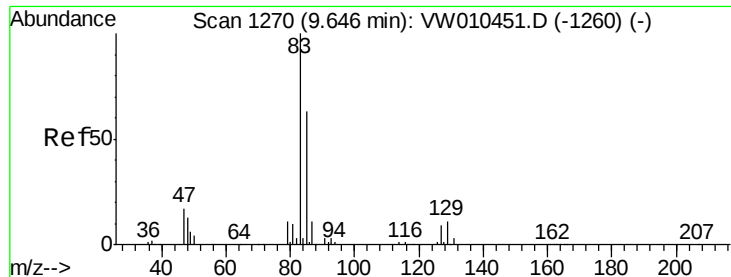
Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V



Time-->





#47

Bromodichloromethane

Concen: 20.161 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW010631.D

Acq: 31 May 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

VW0531SBS01

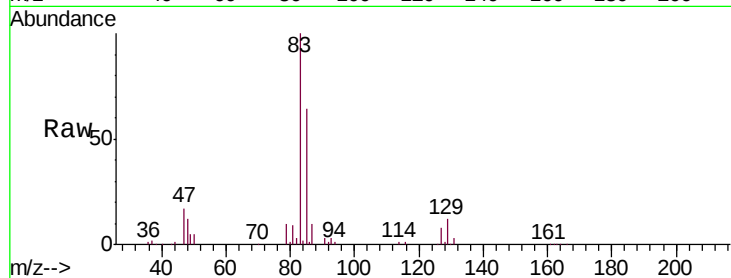
Tgt Ion: 83 Resp: 52251

Ion Ratio Lower Upper

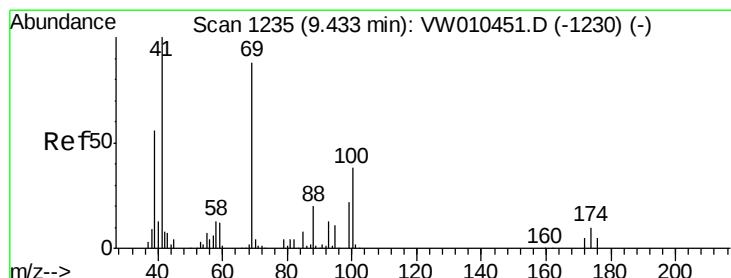
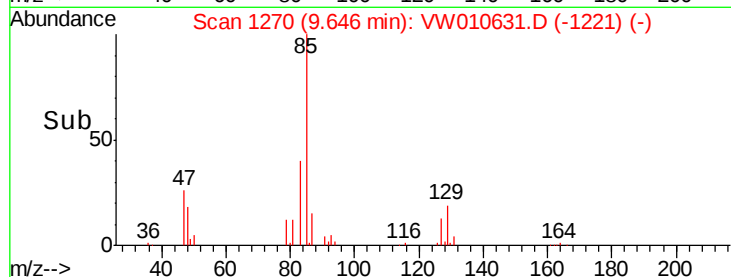
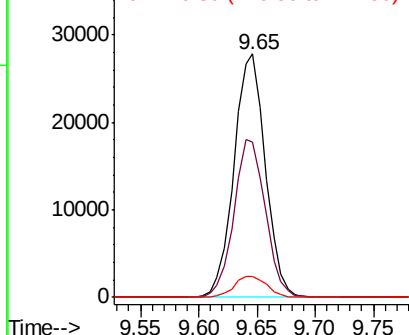
83 100

85 63.7 50.4 75.6

127 8.5 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 17.253 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.01 min

Lab File: VW010631.D

Acq: 31 May 2019 12:43

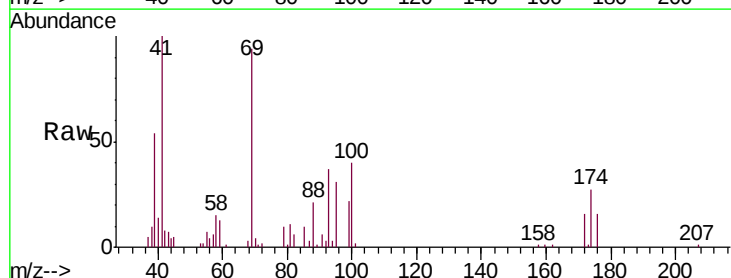
Tgt Ion: 41 Resp: 17914

Ion Ratio Lower Upper

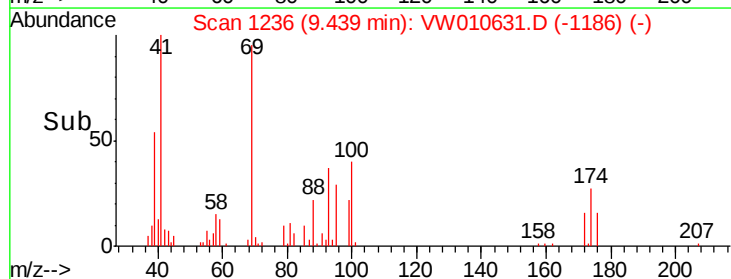
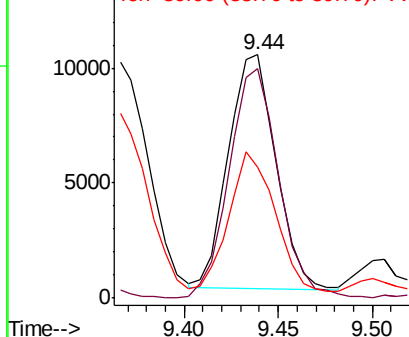
41 100

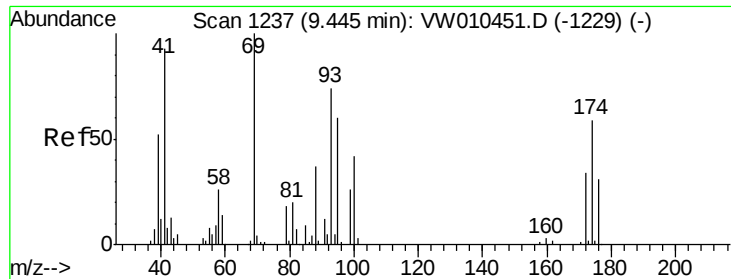
69 101.9 77.6 116.4

39 64.7 49.8 74.8



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

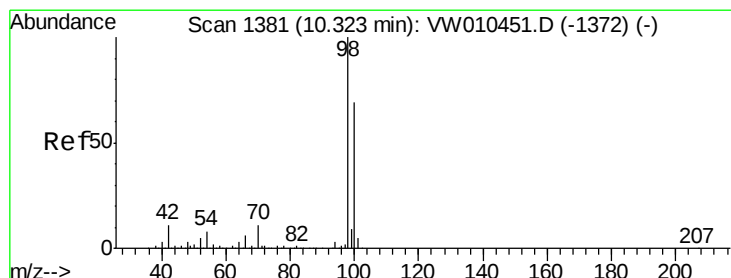
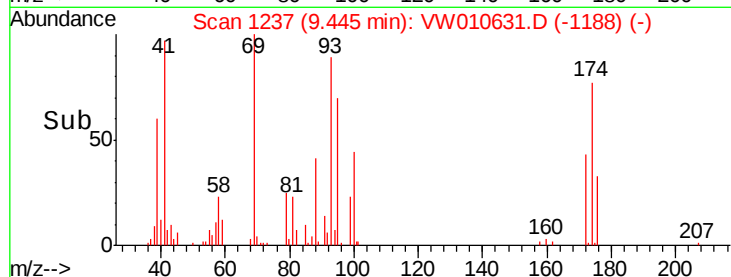
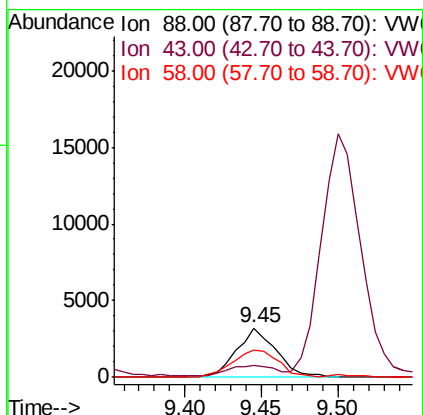
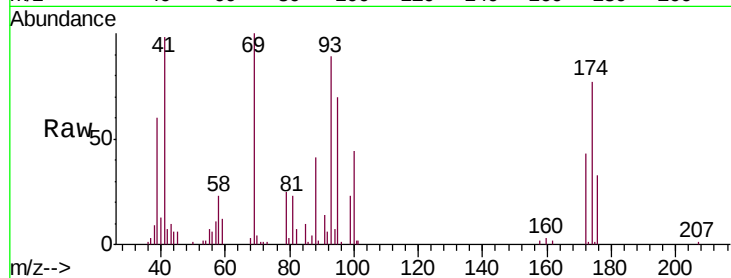




#49
1,4-Dioxane
Concen: 343.139 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW010631.D
Acq: 31 May 2019 12:43

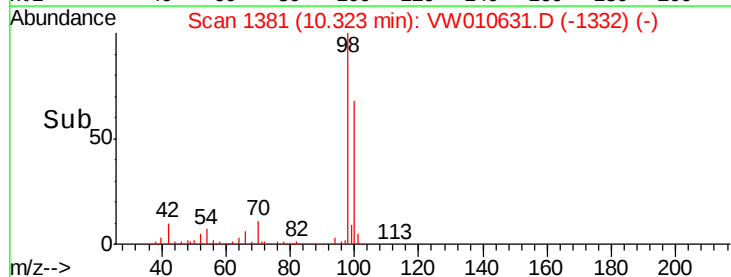
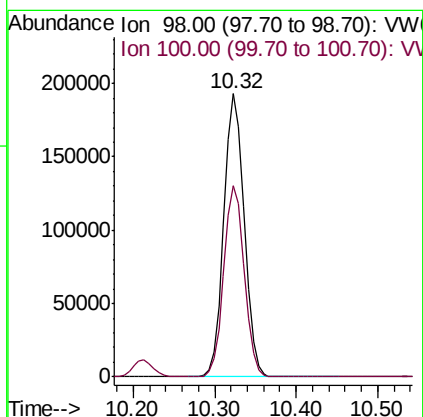
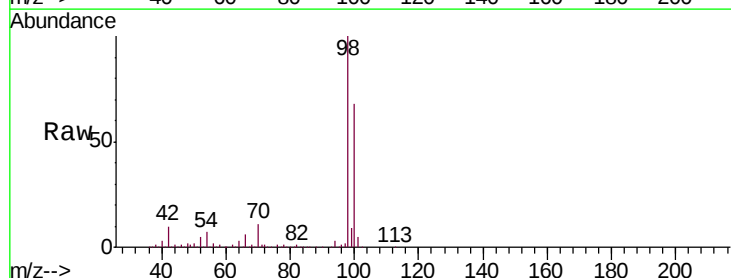
Instrument :
MSVOA_W
ClientSampleId :
VW0531SBS01

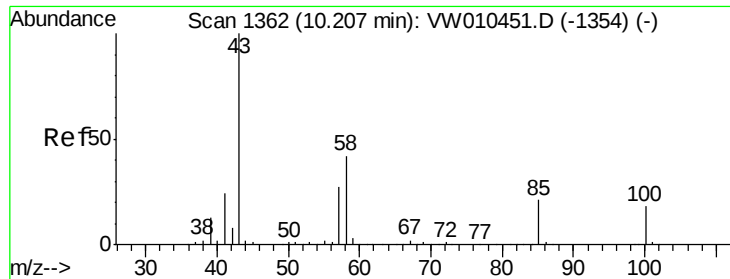
Tgt Ion: 88 Resp: 5781
Ion Ratio Lower Upper
88 100
43 29.5 25.9 38.9
58 65.5 52.7 79.1



#50
Toluene-d8
Concen: 50.011 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010631.D
Acq: 31 May 2019 12:43

Tgt Ion: 98 Resp: 332457
Ion Ratio Lower Upper
98 100
100 67.9 53.7 80.5





#51

4-Methyl-2-Pentanone

Concen: 90.877 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW010631.D

Acq: 31 May 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

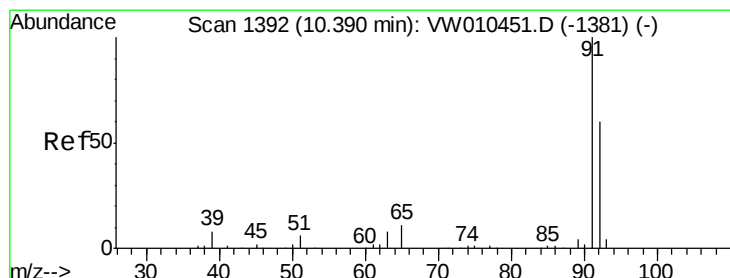
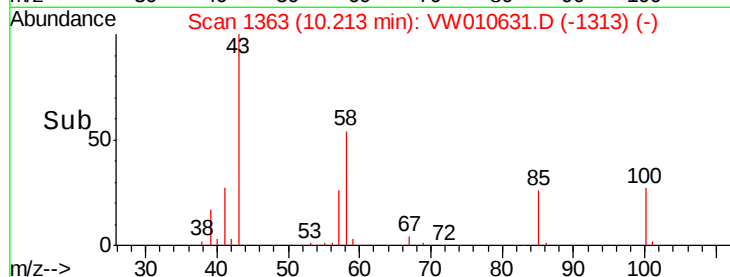
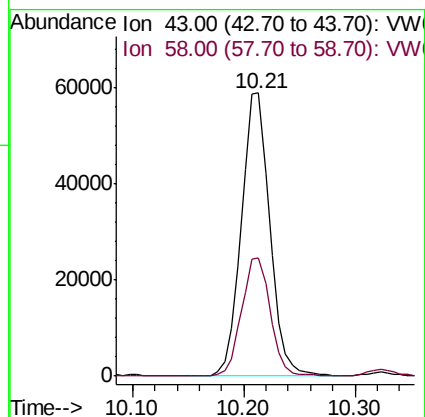
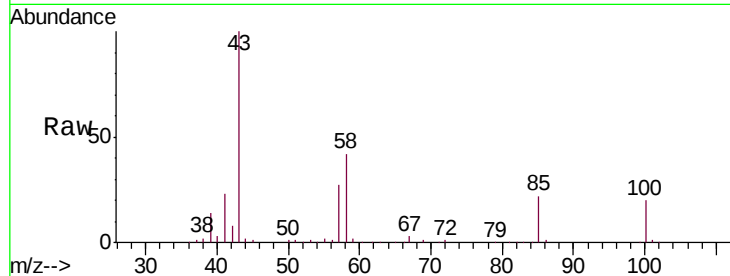
VW0531SBS01

Tgt Ion: 43 Resp: 104513

Ion Ratio Lower Upper

43 100

58 42.3 33.2 49.8



#52

Toluene

Concen: 21.694 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010631.D

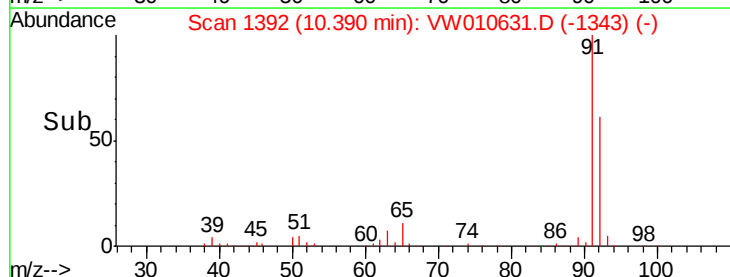
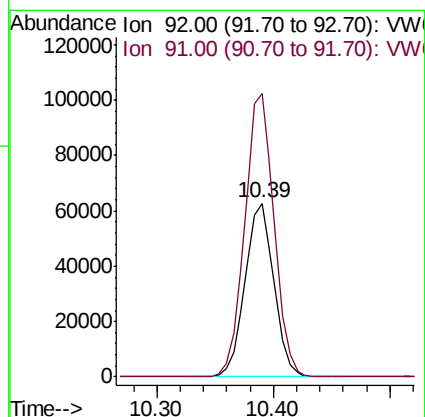
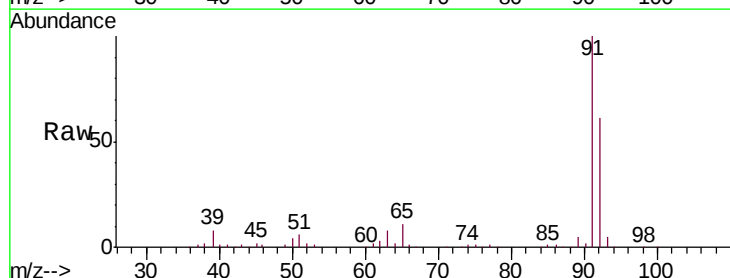
Acq: 31 May 2019 12:43

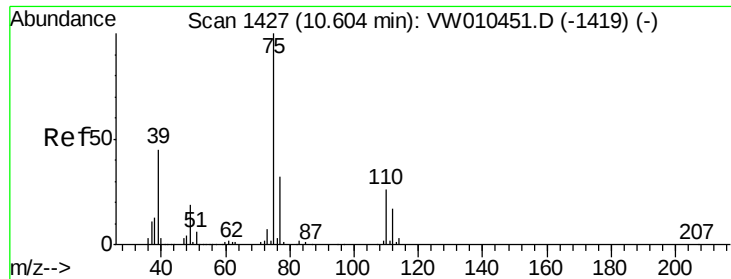
Tgt Ion: 92 Resp: 108182

Ion Ratio Lower Upper

92 100

91 166.2 135.4 203.0





#53

t-1,3-Dichloropropene

Concen: 19.257 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.01 min

Lab File: VW010631.D

Acq: 31 May 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

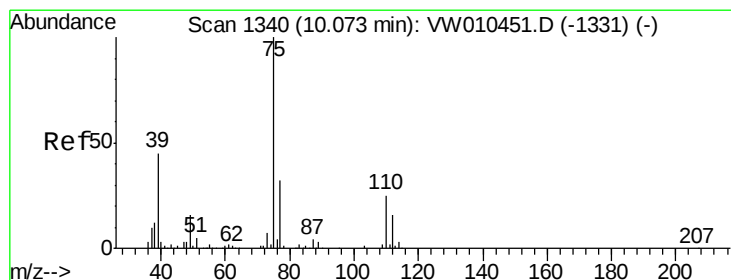
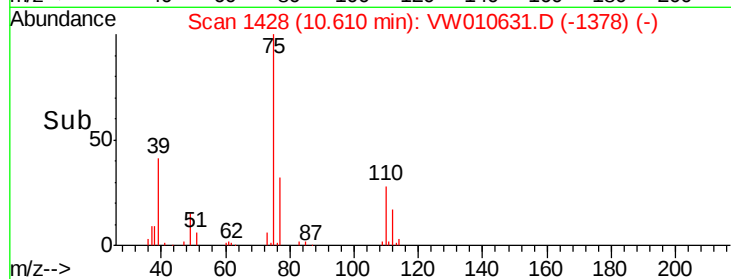
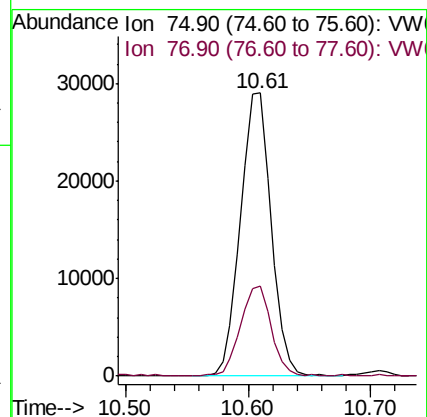
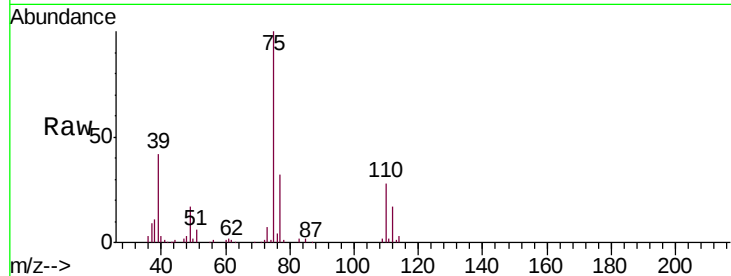
VW0531SBS01

Tgt Ion: 75 Resp: 50545

Ion Ratio Lower Upper

75 100

77 31.7 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 20.075 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW010631.D

Acq: 31 May 2019 12:43

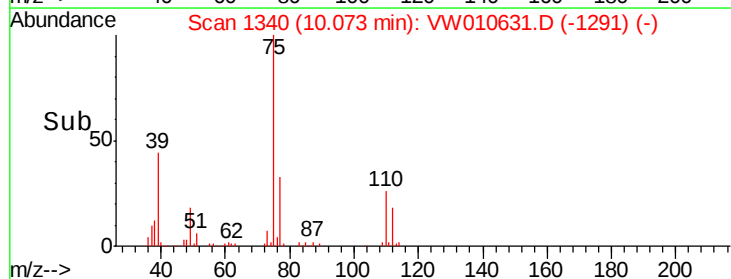
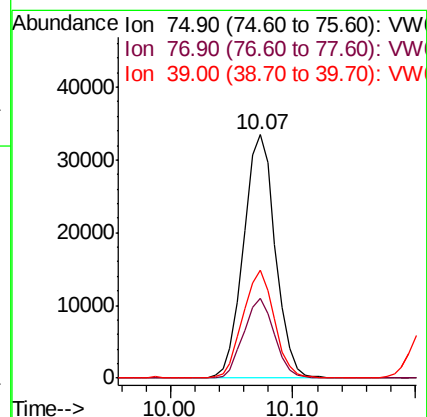
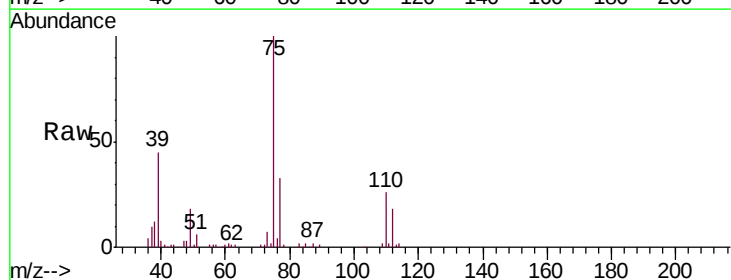
Tgt Ion: 75 Resp: 60179

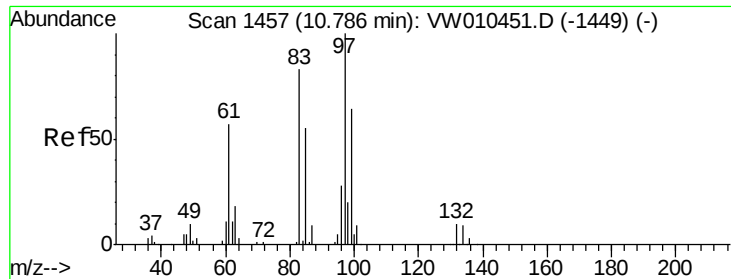
Ion Ratio Lower Upper

75 100

77 32.7 25.7 38.5

39 44.5 36.2 54.4

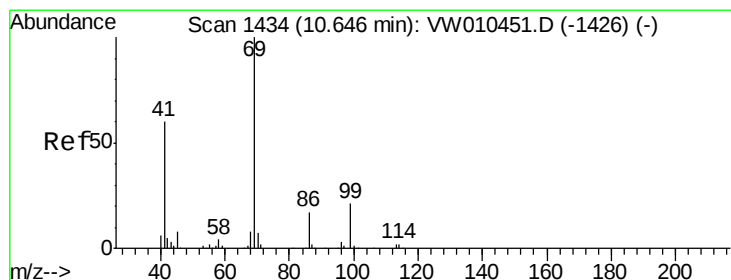
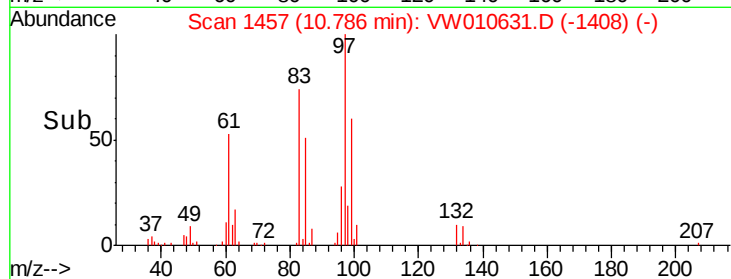
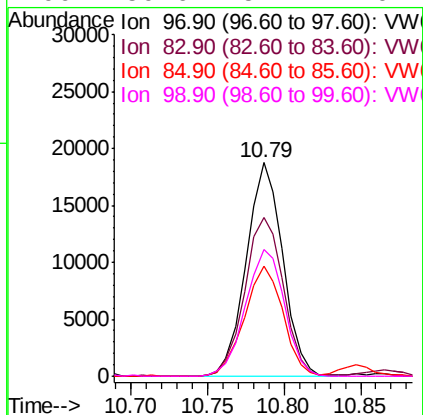
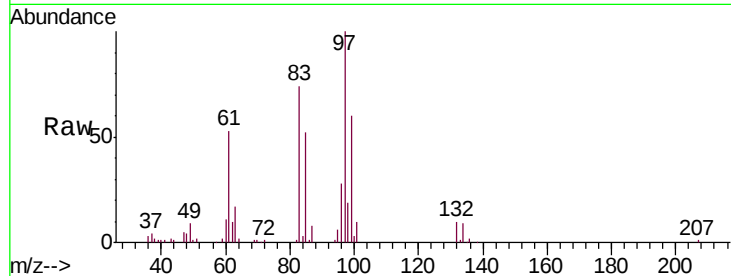




#55
 1,1,2-Trichloroethane
 Concen: 21.046 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW010631.D
 Acq: 31 May 2019 12:43

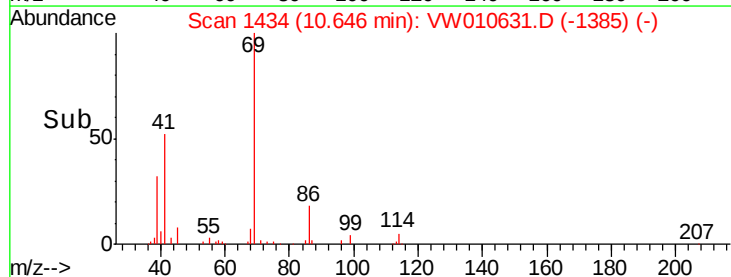
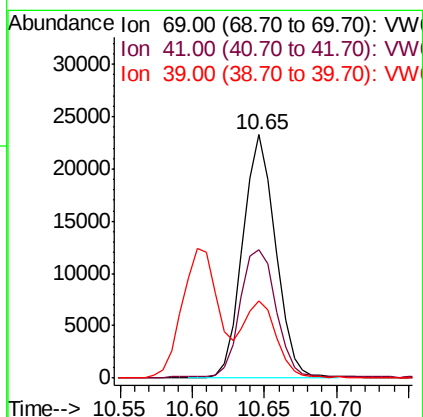
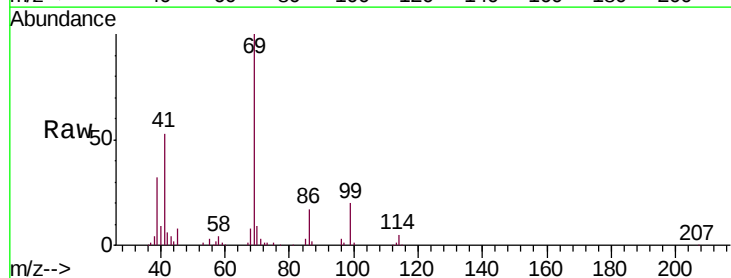
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0531SBS01

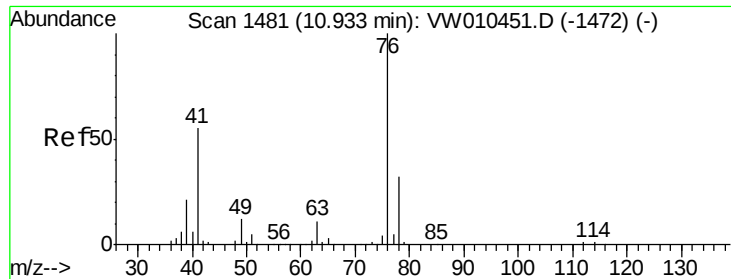
Tgt Ion:	97	Resp:	31212
Ion	Ratio	Lower	Upper
97	100		
83	74.5	66.1	99.1
85	51.7	44.2	66.4
99	59.6	51.1	76.7



#56
 Ethyl methacrylate
 Concen: 18.092 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW010631.D
 Acq: 31 May 2019 12:43

Tgt Ion:	69	Resp:	37005
Ion	Ratio	Lower	Upper
69	100		
41	59.8	47.7	71.5
39	31.1	25.3	37.9

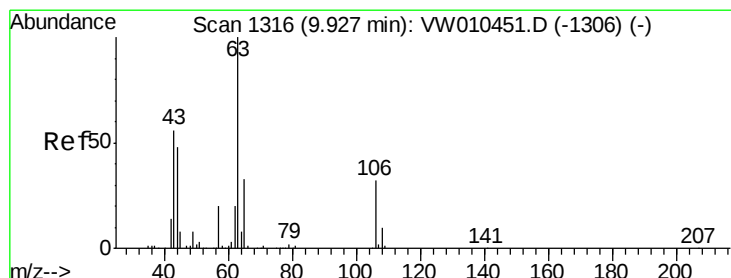
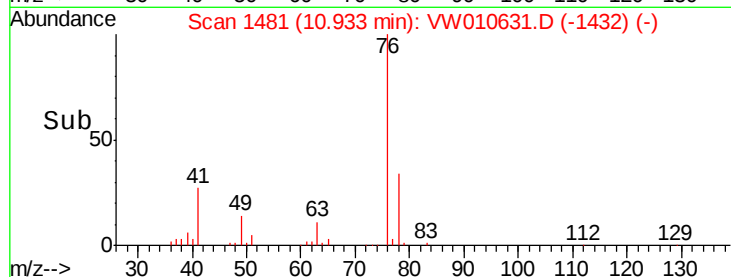
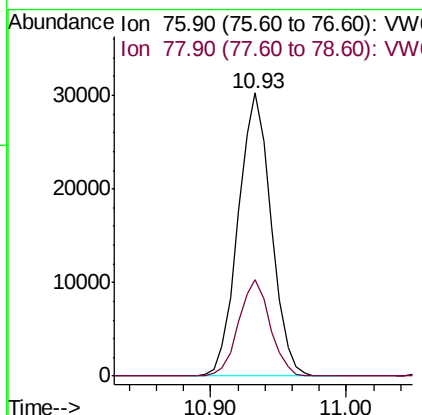
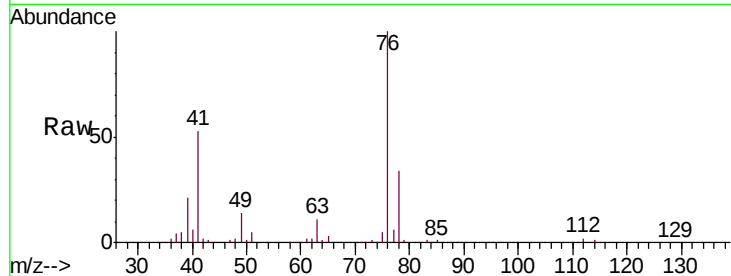




#57
 1,3-Dichloropropane
 Concen: 20.596 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW010631.D
 Acq: 31 May 2019 12:43

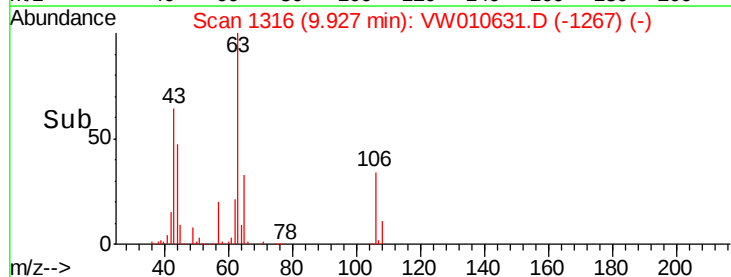
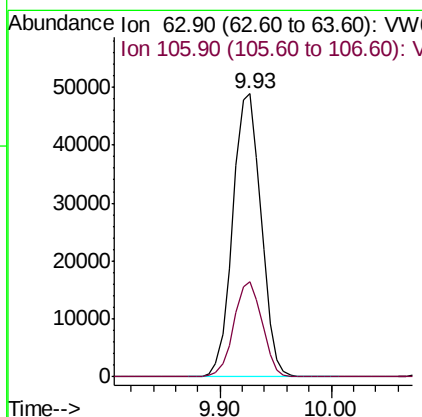
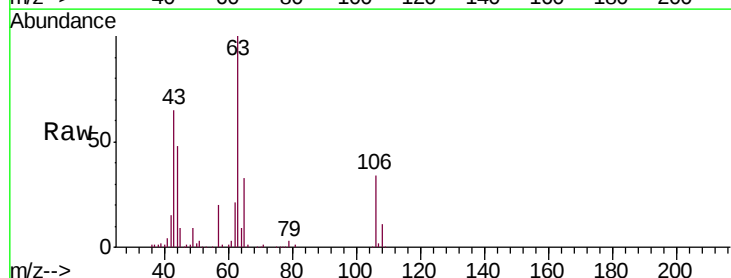
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0531SBS01

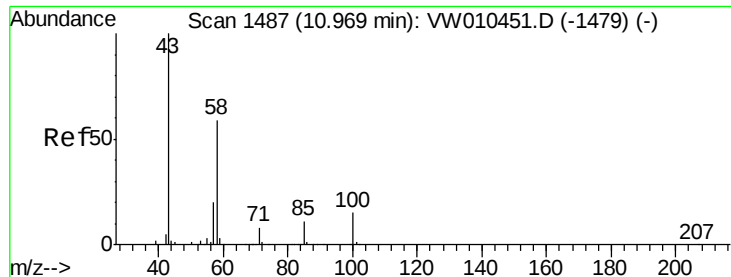
Tgt Ion: 76 Resp: 51166
 Ion Ratio Lower Upper
 76 100
 78 32.6 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 95.369 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW010631.D
 Acq: 31 May 2019 12:43

Tgt Ion: 63 Resp: 86401
 Ion Ratio Lower Upper
 63 100
 106 33.4 25.8 38.6

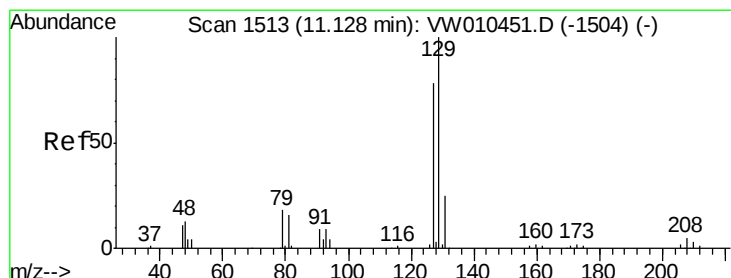
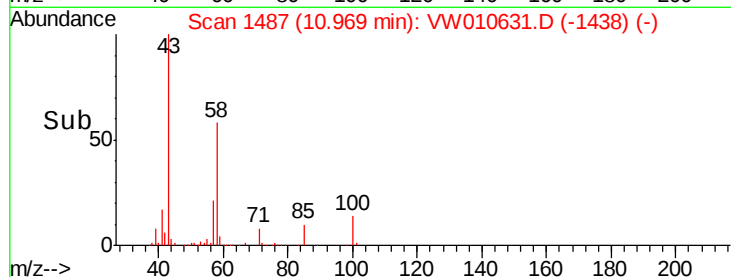
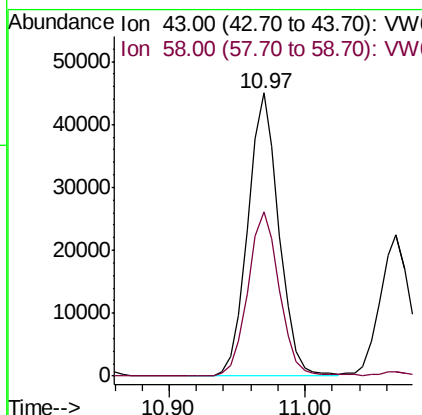
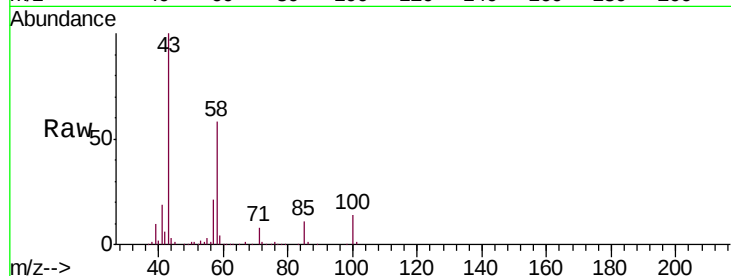




#59
2-Hexanone
Concen: 87.792 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010631.D
Acq: 31 May 2019 12:43

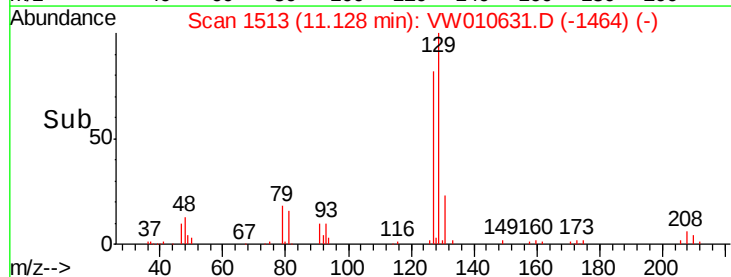
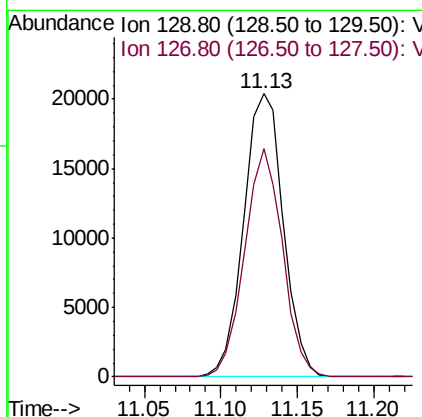
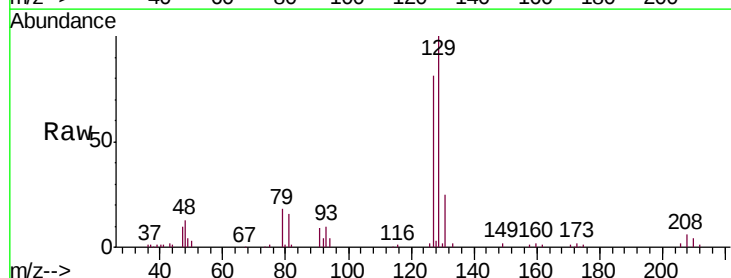
Instrument :
MSVOA_W
ClientSampleId :
VW0531SBS01

Tgt Ion: 43 Resp: 72023
Ion Ratio Lower Upper
43 100
58 58.9 28.9 86.8



#60
Dibromochloromethane
Concen: 19.564 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010631.D
Acq: 31 May 2019 12:43

Tgt Ion: 129 Resp: 36720
Ion Ratio Lower Upper
129 100
127 77.3 38.9 116.7

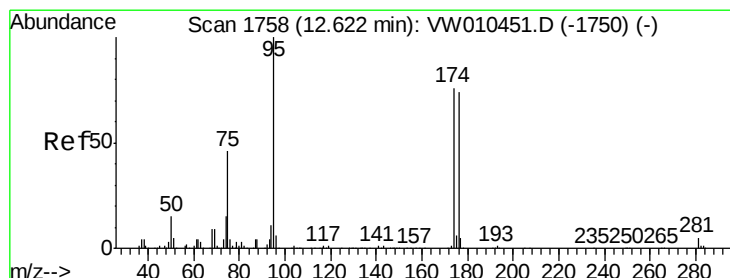
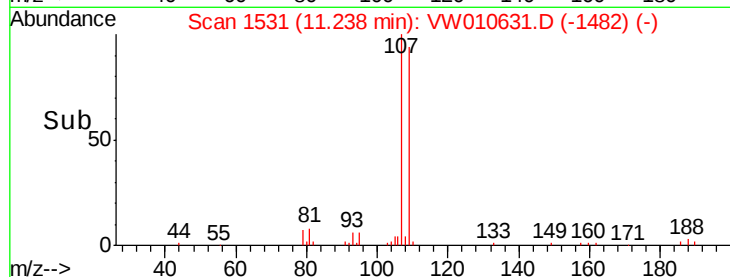
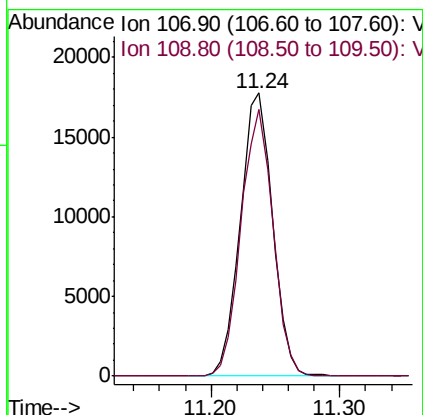
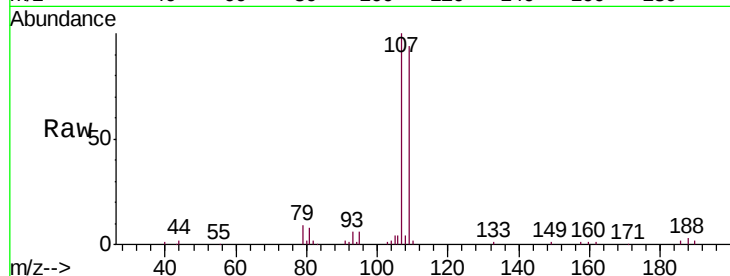




#61
 1,2-Dibromoethane
 Concen: 20.470 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW010631.D
 Acq: 31 May 2019 12:43

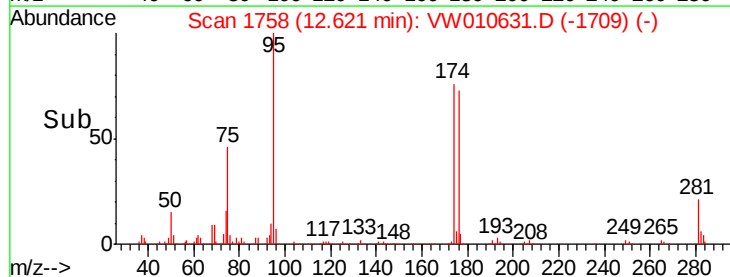
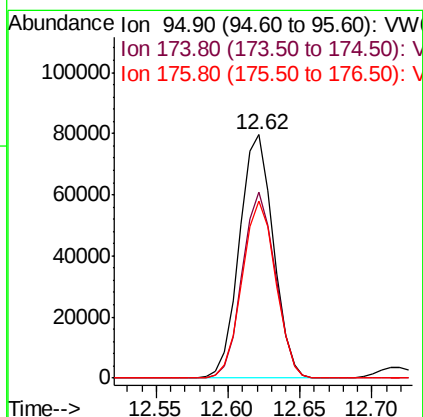
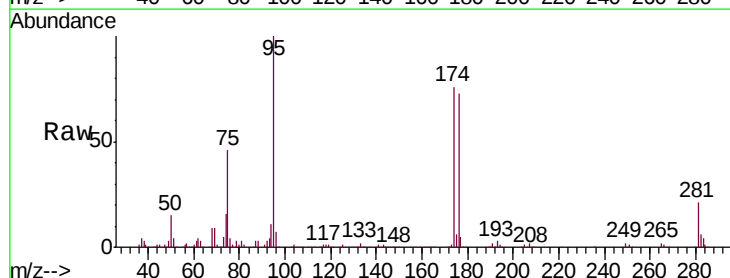
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0531SBS01

Tgt Ion: 107 Resp: 30753
 Ion Ratio Lower Upper
 107 100
 109 92.7 75.0 112.4



#62
 4-Bromofluorobenzene
 Concen: 49.076 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW010631.D
 Acq: 31 May 2019 12:43

Tgt Ion: 95 Resp: 129947
 Ion Ratio Lower Upper
 95 100
 174 74.4 0.0 148.6
 176 71.9 0.0 144.2

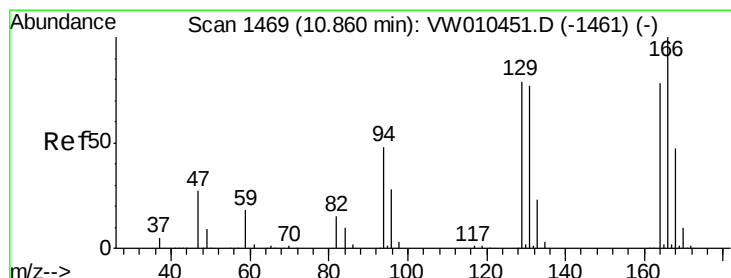
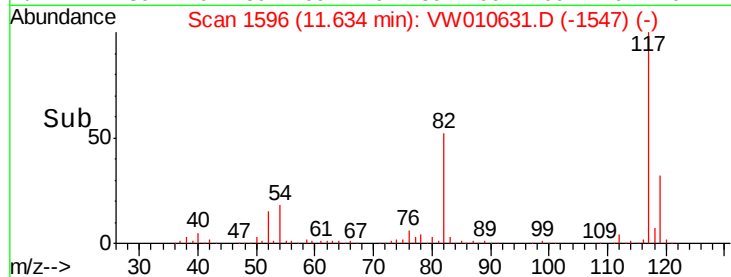
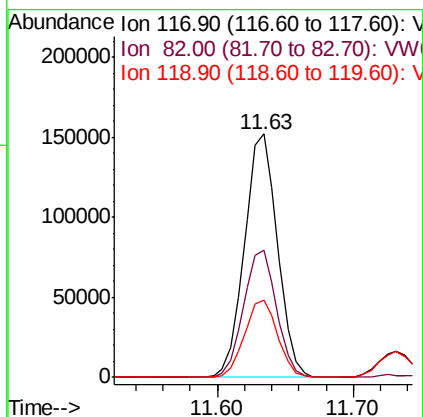
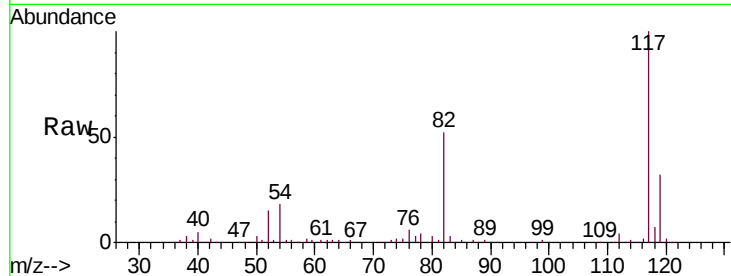




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010631.D
Acq: 31 May 2019 12:43

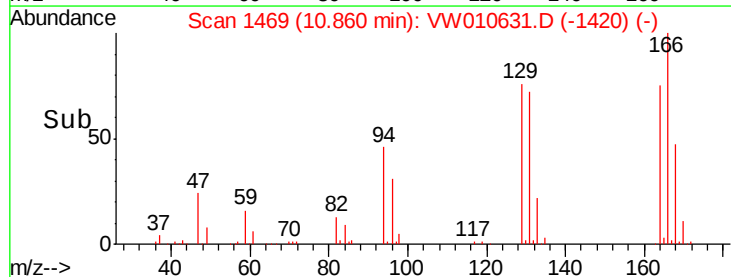
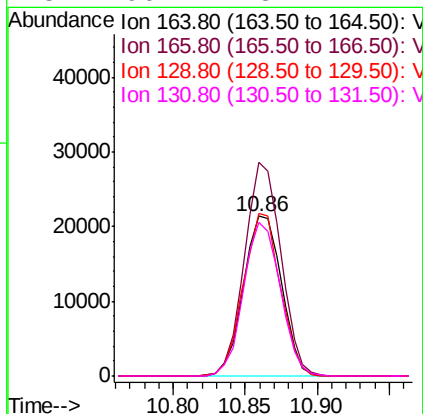
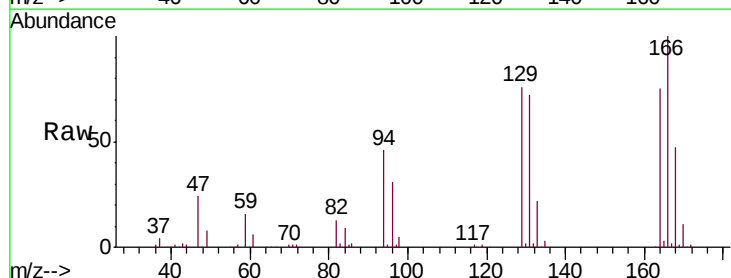
Instrument :
MSVOA_W
ClientSampleId :
VW0531SBS01

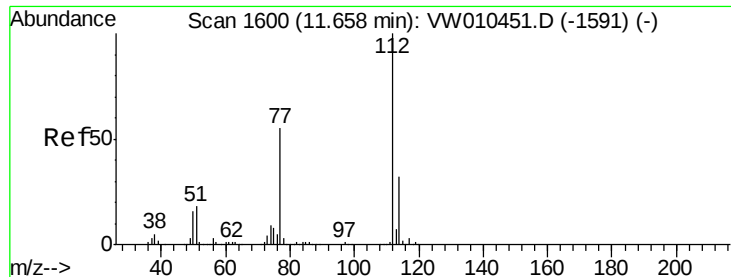
Tgt Ion:117 Resp: 257395
Ion Ratio Lower Upper
117 100
82 52.1 42.8 64.2
119 31.9 26.3 39.5



#64
Tetrachloroethene
Concen: 21.752 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010631.D
Acq: 31 May 2019 12:43

Tgt Ion:164 Resp: 39029
Ion Ratio Lower Upper
164 100
166 134.0 101.9 152.9
129 101.7 80.6 121.0
131 96.7 78.2 117.2

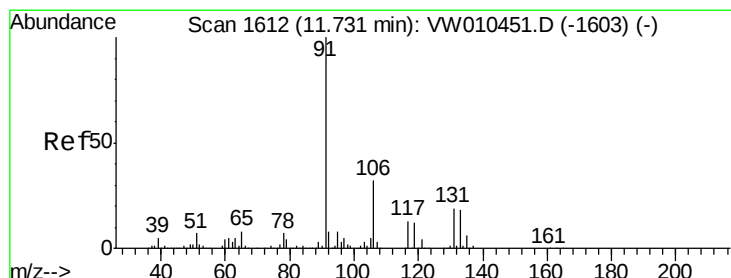
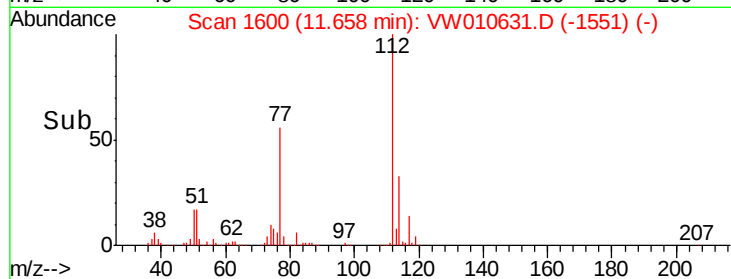
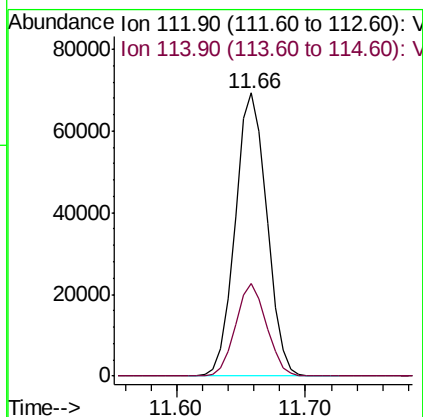
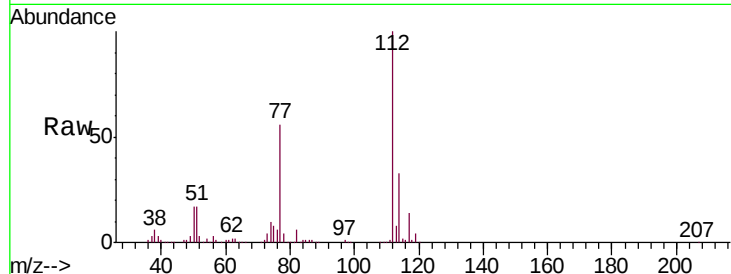




#65
Chlorobenzene
Concen: 21.482 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010631.D
Acq: 31 May 2019 12:43

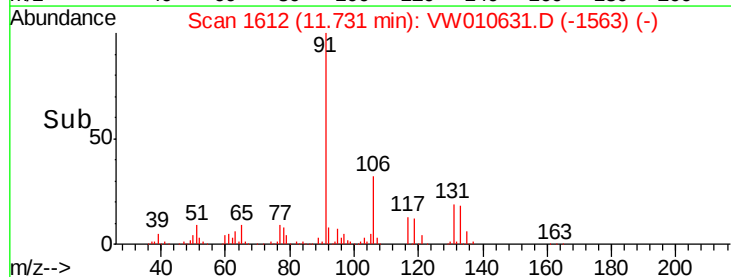
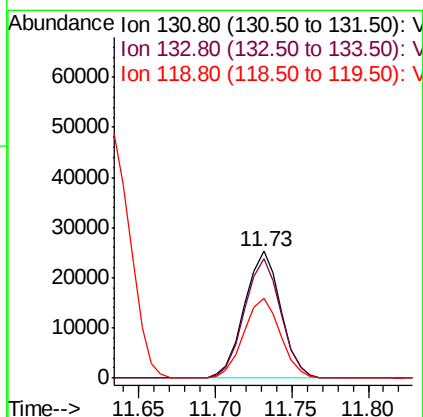
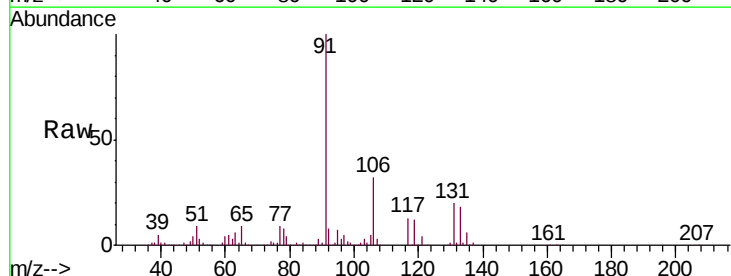
Instrument :
MSVOA_W
ClientSampleId :
VW0531SBS01

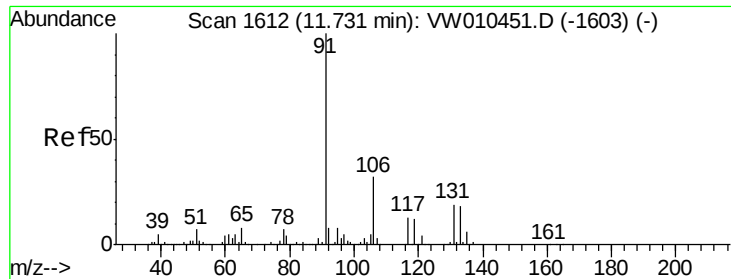
Tgt Ion:112 Resp: 117841
Ion Ratio Lower Upper
112 100
114 32.9 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 21.321 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010631.D
Acq: 31 May 2019 12:43

Tgt Ion:131 Resp: 41898
Ion Ratio Lower Upper
131 100
133 94.3 47.3 141.9
119 63.2 32.1 96.5





#67

Ethyl Benzene

Concen: 21.281 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW010631.D

Acq: 31 May 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

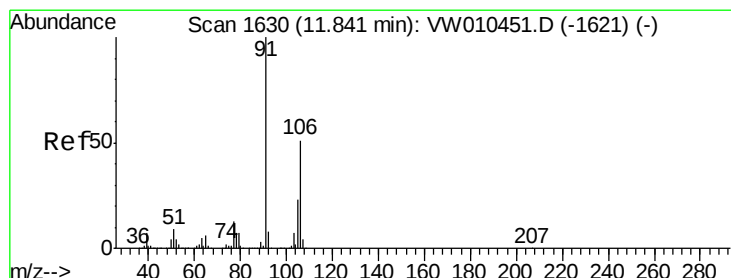
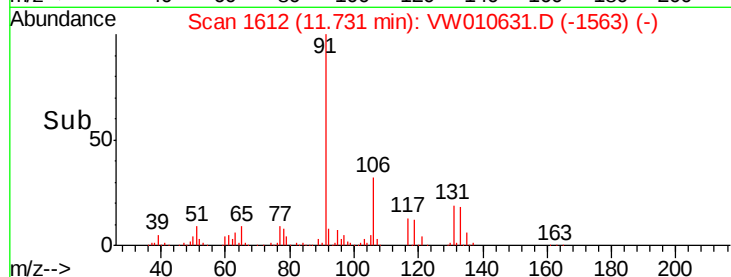
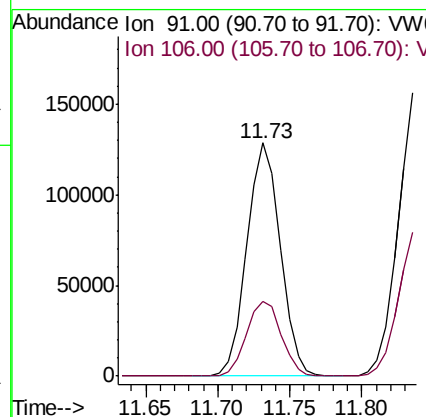
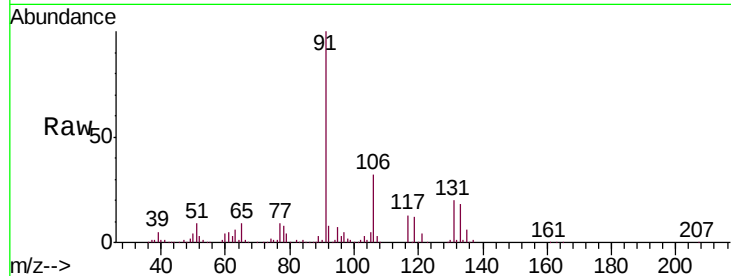
VW0531SBS01

Tgt Ion: 91 Resp: 206114

Ion Ratio Lower Upper

91 100

106 32.1 25.9 38.9



#68

m/p-Xylenes

Concen: 42.561 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW010631.D

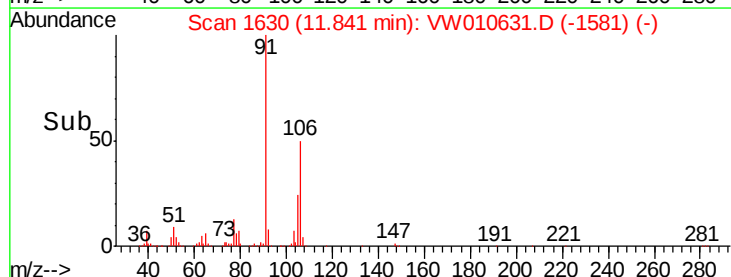
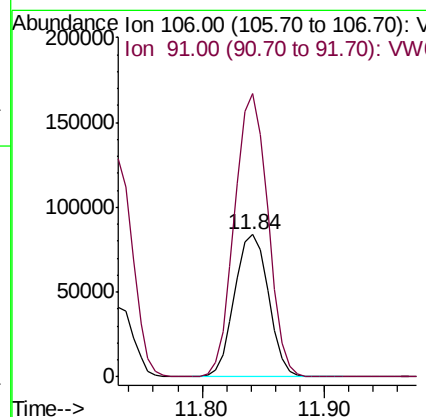
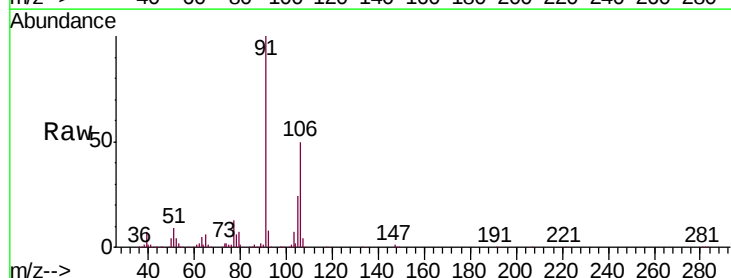
Acq: 31 May 2019 12:43

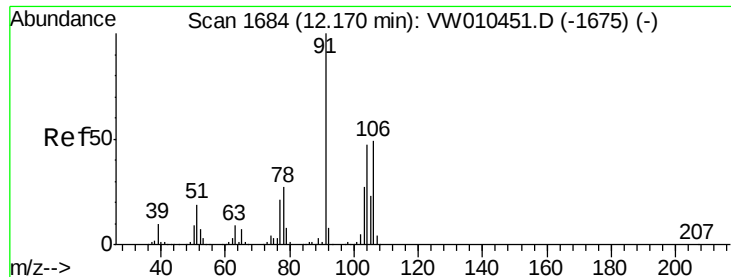
Tgt Ion: 106 Resp: 161684

Ion Ratio Lower Upper

106 100

91 195.1 156.0 234.0

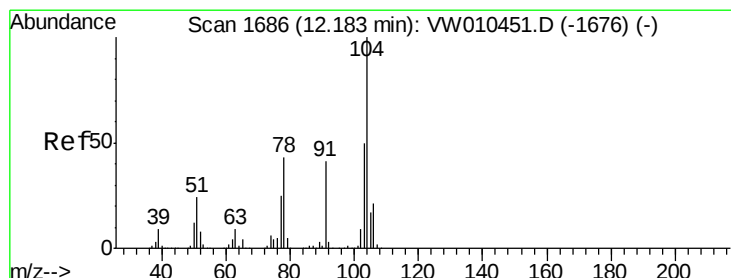
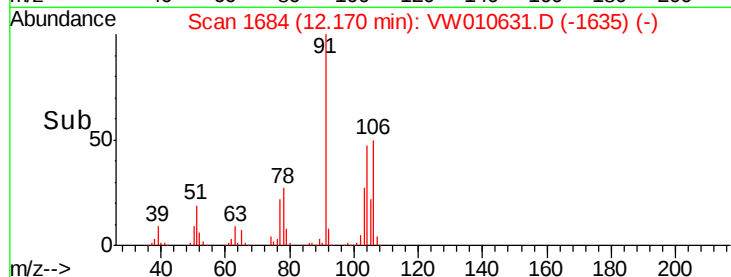
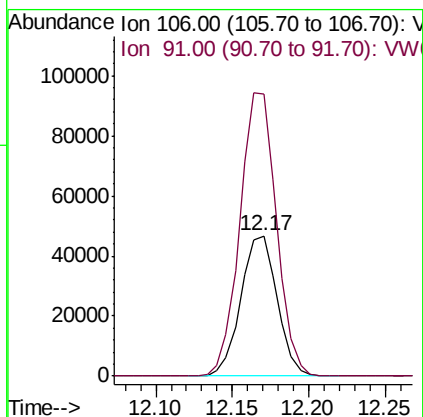
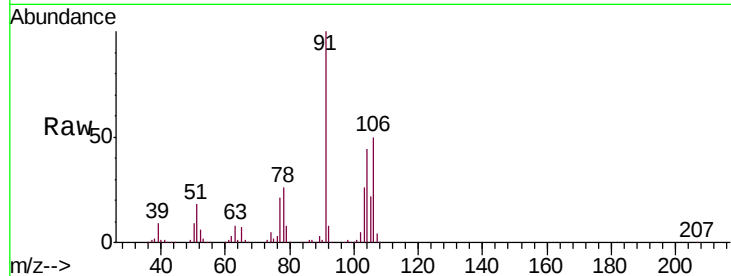




#69
o-Xylene
Concen: 21.458 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW010631.D
Acq: 31 May 2019 12:43

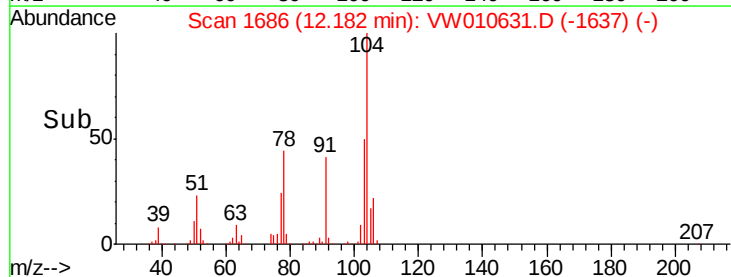
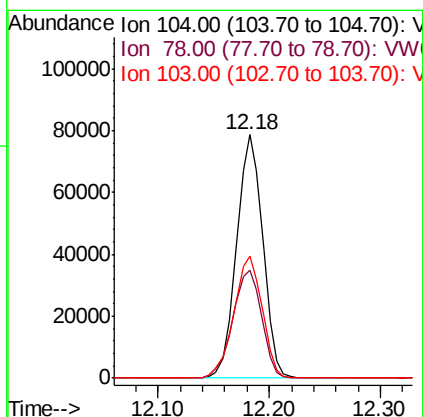
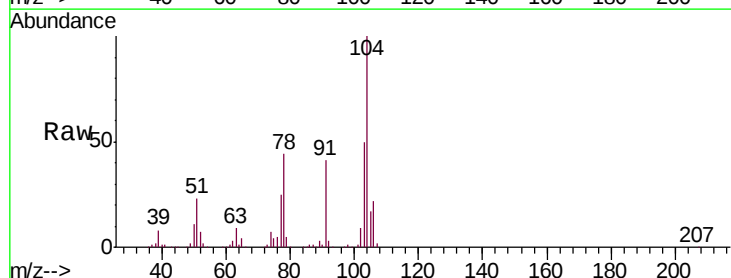
Instrument :
MSVOA_W
ClientSampled :
VW0531SBS01

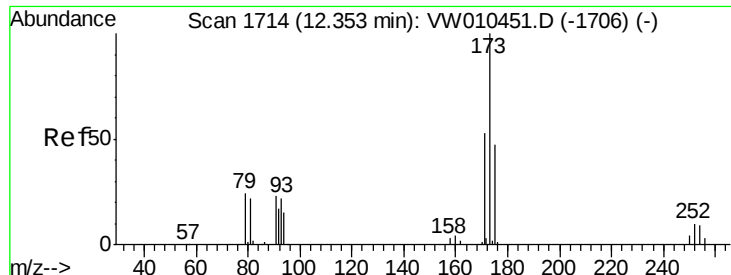
Tgt Ion:106 Resp: 77231
Ion Ratio Lower Upper
106 100
91 202.6 103.2 309.4



#70
Styrene
Concen: 20.966 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010631.D
Acq: 31 May 2019 12:43

Tgt Ion:104 Resp: 128037
Ion Ratio Lower Upper
104 100
78 49.1 39.0 58.4
103 53.7 43.0 64.6





#71

Bromoform

Concen: 17.507 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW010631.D

Acq: 31 May 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

VW0531SBS01

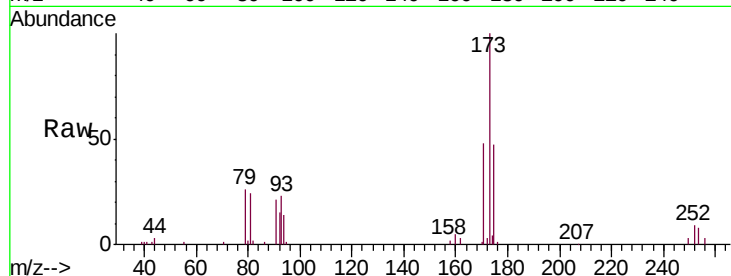
Tgt Ion:173 Resp: 18945

Ion Ratio Lower Upper

173 100

175 47.5 24.4 73.4

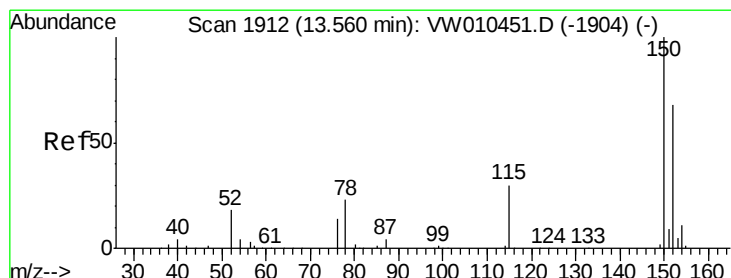
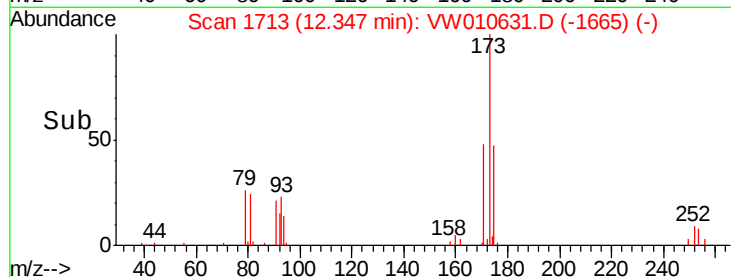
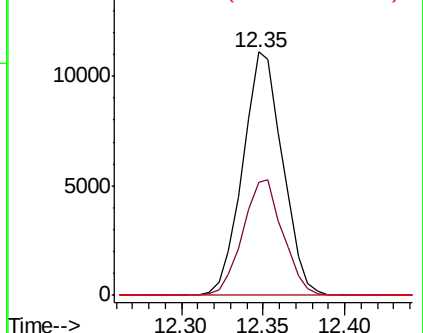
254 0.0 0.0 0.0



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: VW010631.D

Acq: 31 May 2019 12:43

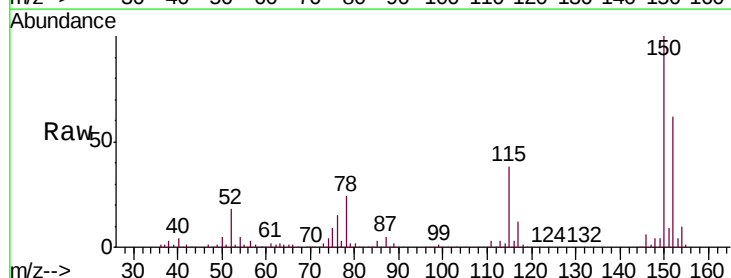
Tgt Ion:152 Resp: 127970

Ion Ratio Lower Upper

152 100

115 60.3 30.3 91.0

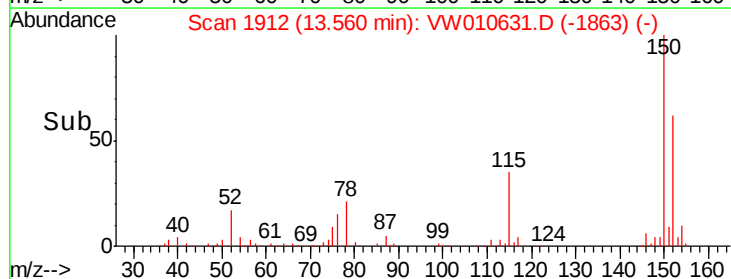
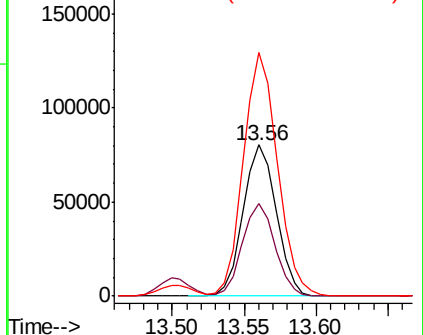
150 165.2 0.0 349.8

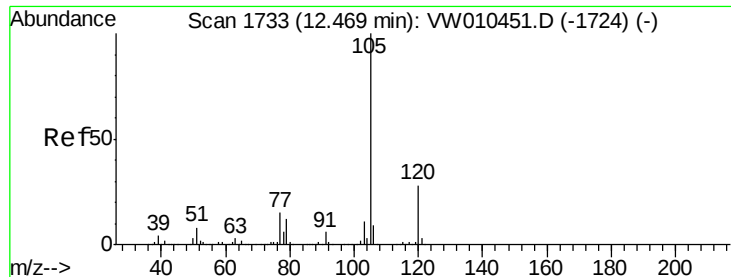


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.870 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW010631.D

Acq: 31 May 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

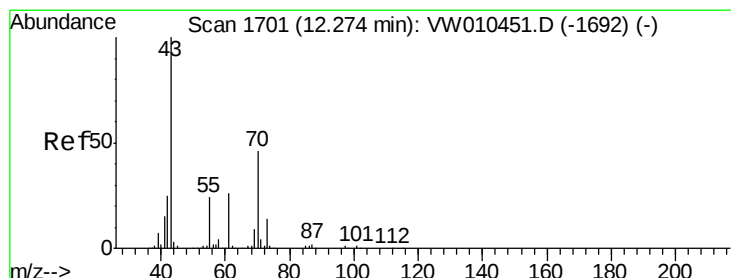
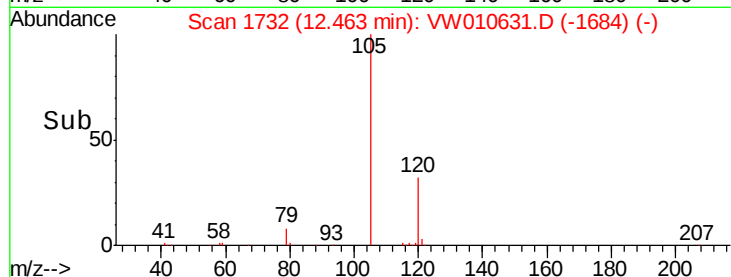
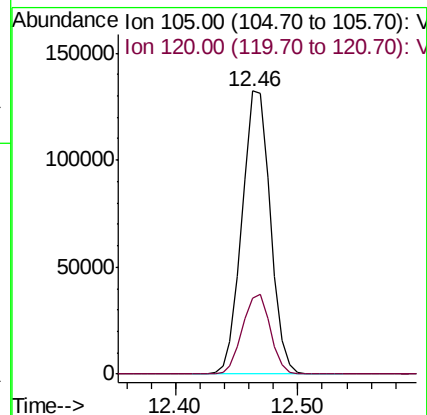
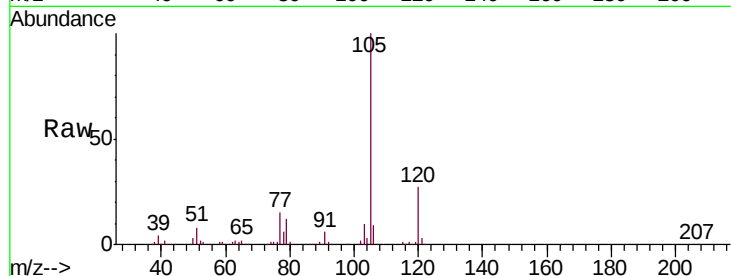
VW0531SBS01

Tgt Ion: 105 Resp: 211933

Ion Ratio Lower Upper

105 100

120 27.9 13.9 41.7



#74

N-ethyl acetate

Concen: 16.427 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW010631.D

Acq: 31 May 2019 12:43

Tgt Ion: 43 Resp: 38226

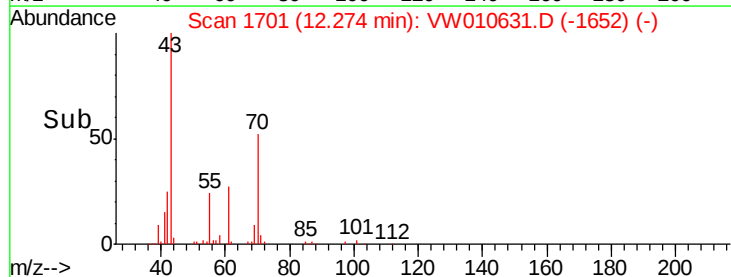
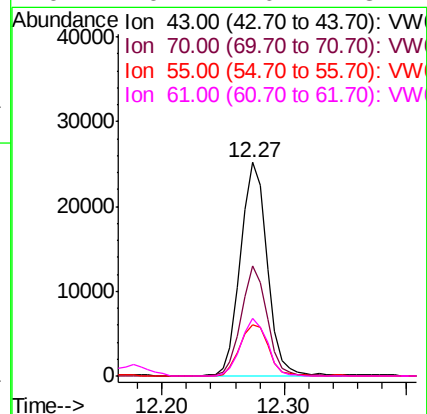
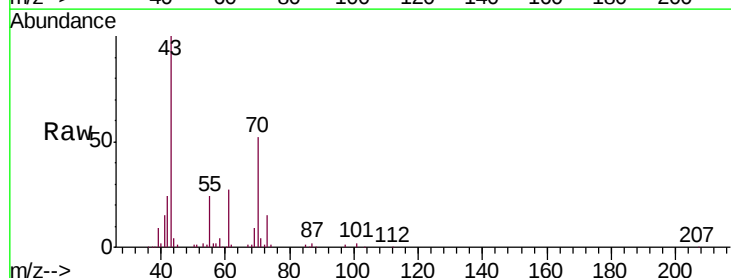
Ion Ratio Lower Upper

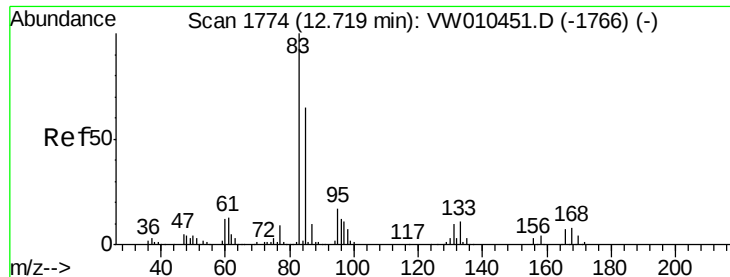
43 100

70 49.3 37.1 55.7

55 25.9 19.6 29.4

61 26.4 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 18.350 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW010631.D

Acq: 31 May 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

VW0531SBS01

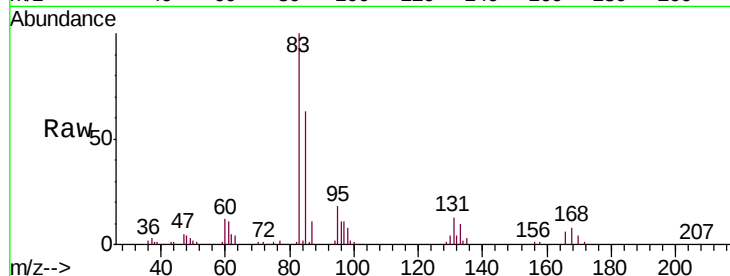
Tgt Ion: 83 Resp: 33893

Ion Ratio Lower Upper

83 100

131 12.7 5.6 16.8

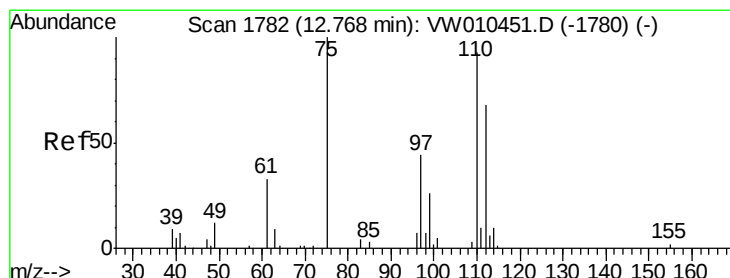
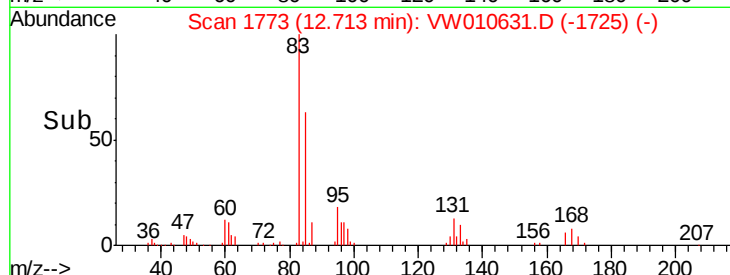
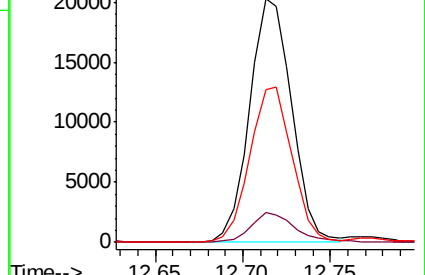
85 64.2 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 32.820 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW010631.D

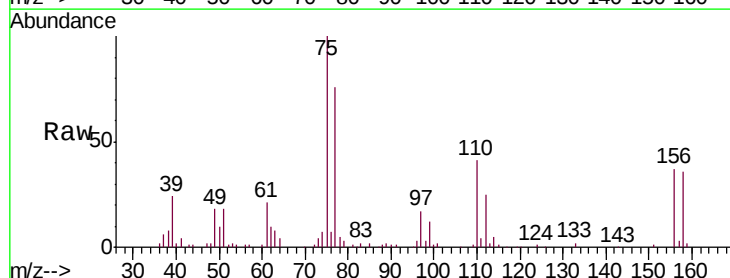
Acq: 31 May 2019 12:43

Tgt Ion: 75 Resp: 42633

Ion Ratio Lower Upper

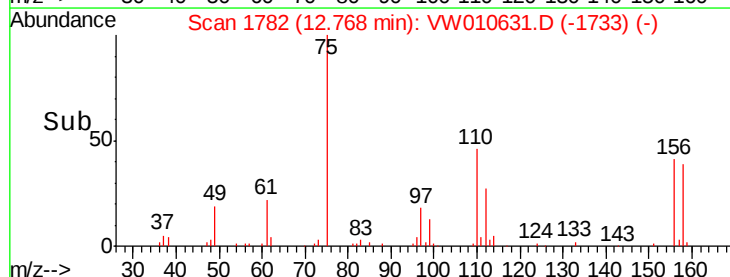
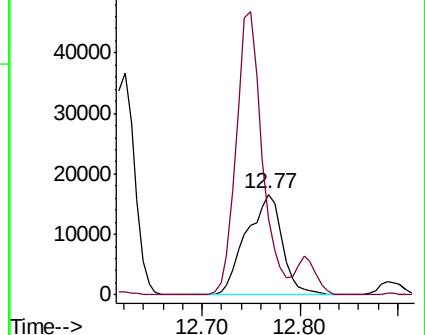
75 100

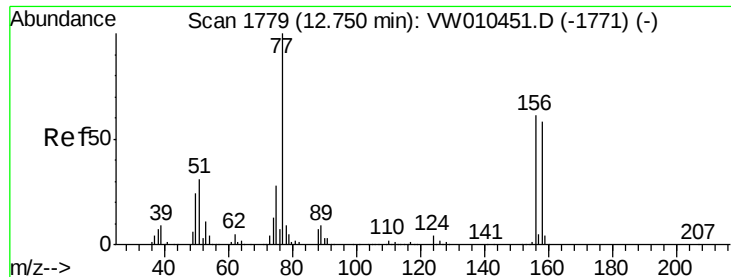
77 202.6 170.0 510.1



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 21.107 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010631.D

Acq: 31 May 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

VW0531SBS01

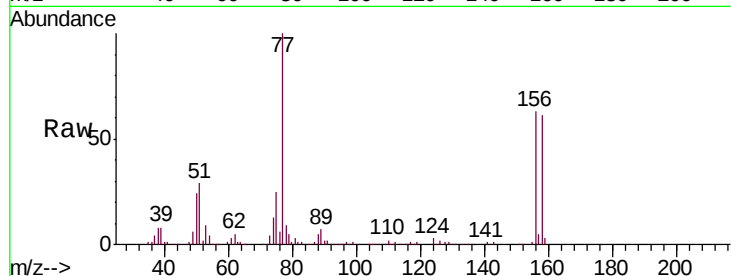
Tgt Ion: 156 Resp: 47965

Ion Ratio Lower Upper

156 100

77 180.1 92.4 277.2

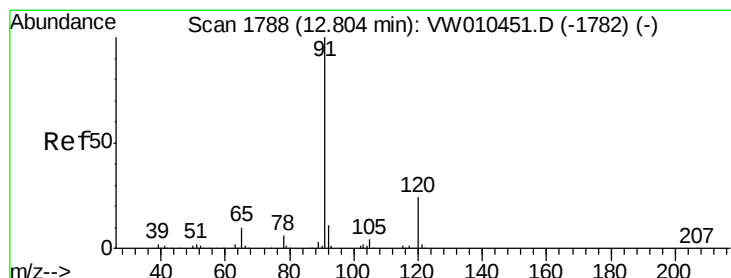
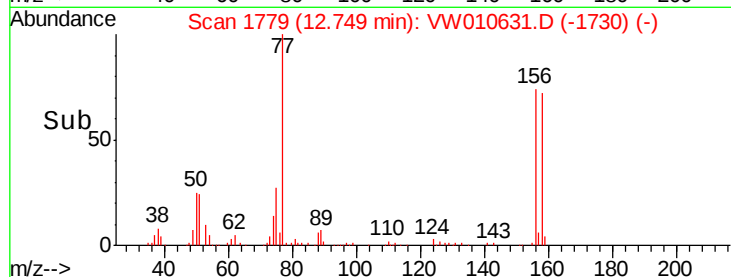
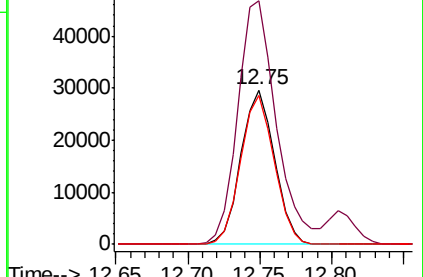
158 96.7 48.3 144.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.158 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW010631.D

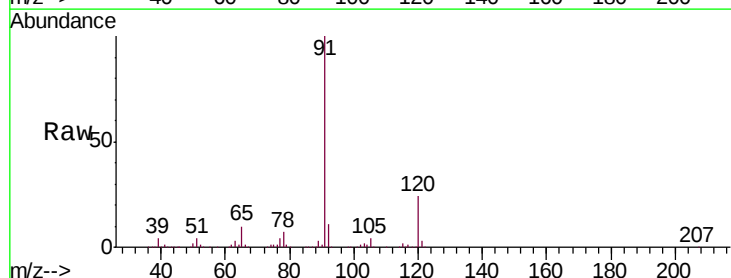
Acq: 31 May 2019 12:43

Tgt Ion: 91 Resp: 238558

Ion Ratio Lower Upper

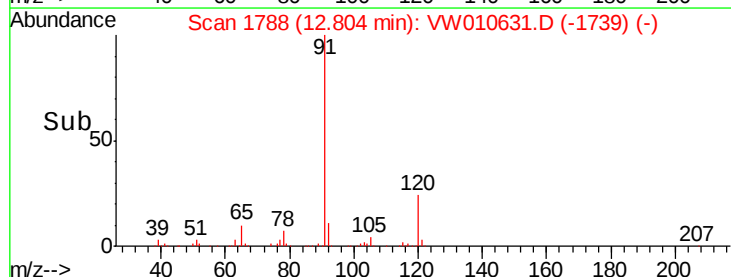
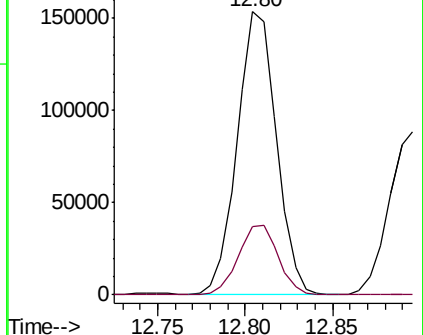
91 100

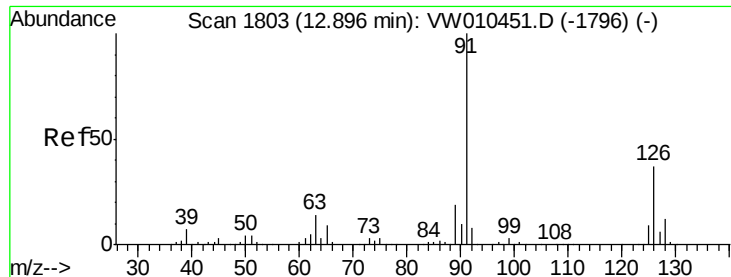
120 25.1 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

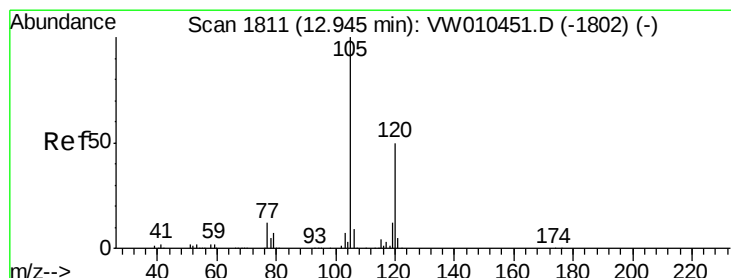
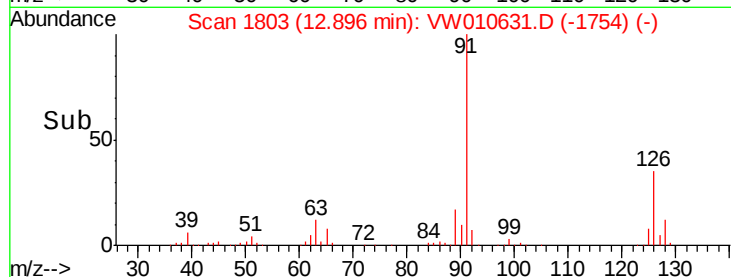
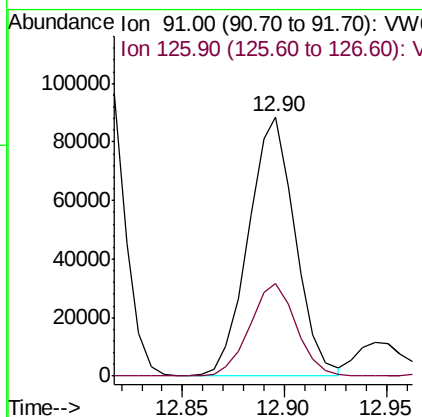
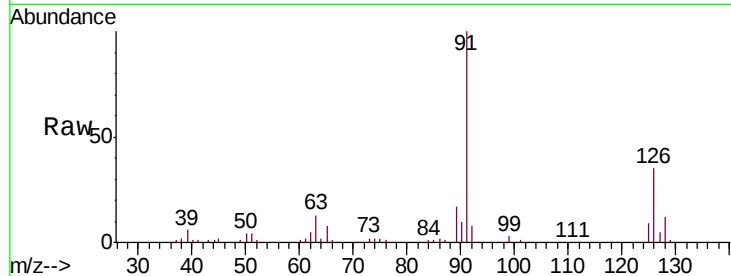




#79
 2-Chlorotoluene
 Concen: 20.441 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VW010631.D
 Acq: 31 May 2019 12:43

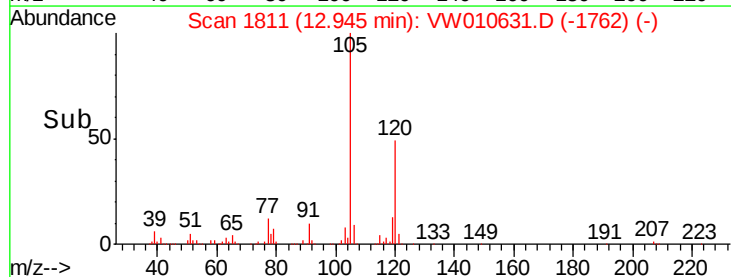
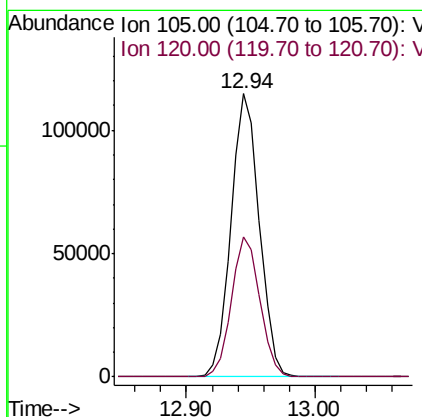
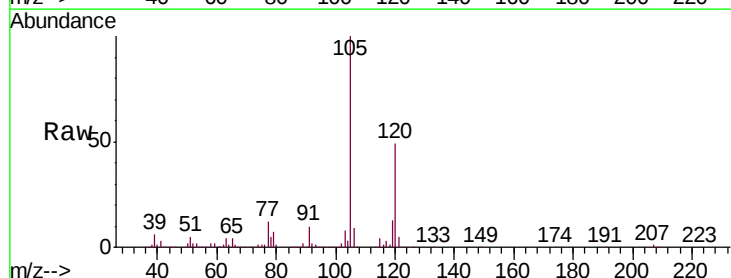
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0531SBS01

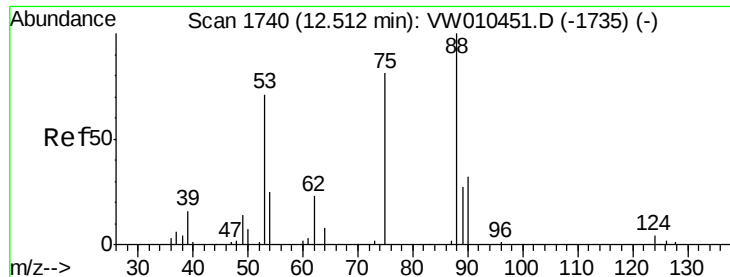
Tgt Ion: 91 Resp: 140283
 Ion Ratio Lower Upper
 91 100
 126 35.8 17.4 52.3



#80
 1,3,5-Trimethylbenzene
 Concen: 20.460 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW010631.D
 Acq: 31 May 2019 12:43

Tgt Ion: 105 Resp: 175971
 Ion Ratio Lower Upper
 105 100
 120 49.6 25.2 75.6





#81

trans-1,4-Dichloro-2-butene

Concen: 15.416 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW010631.D

Acq: 31 May 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

VW0531SBS01

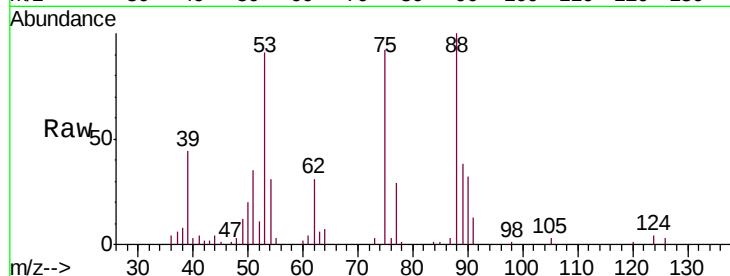
Tgt Ion: 75 Resp: 9595

Ion Ratio Lower Upper

75 100

53 97.2 69.8 104.8

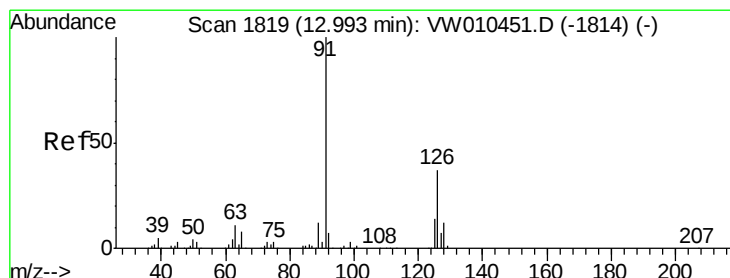
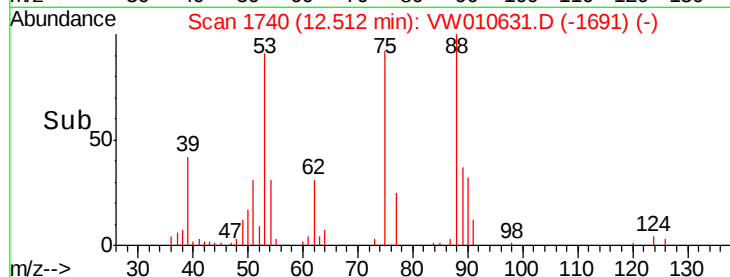
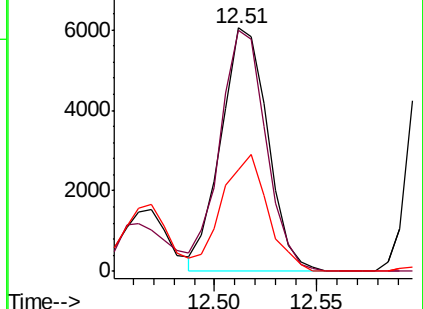
89 47.3 39.5 59.3



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 20.507 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW010631.D

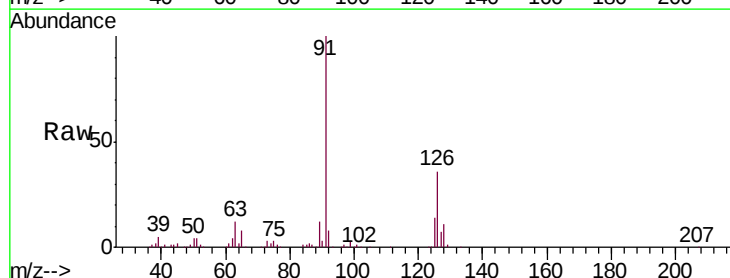
Acq: 31 May 2019 12:43

Tgt Ion: 91 Resp: 146083

Ion Ratio Lower Upper

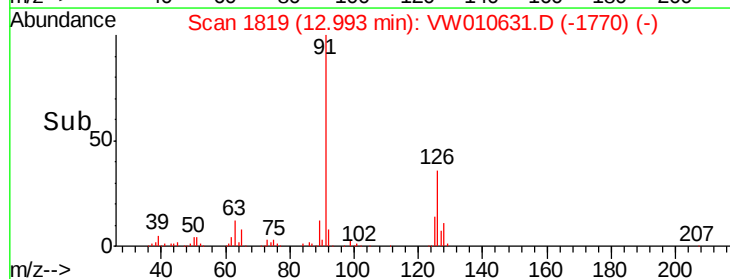
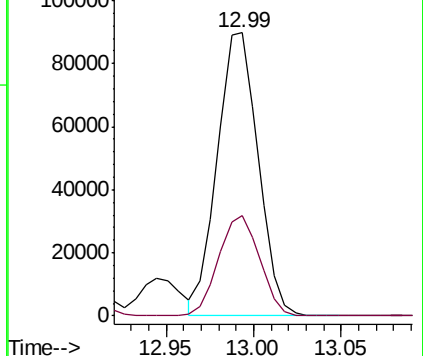
91 100

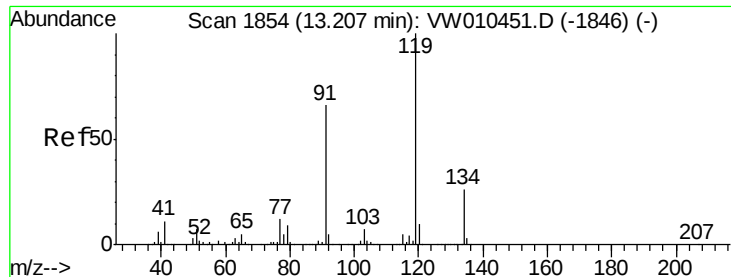
126 35.8 17.5 52.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

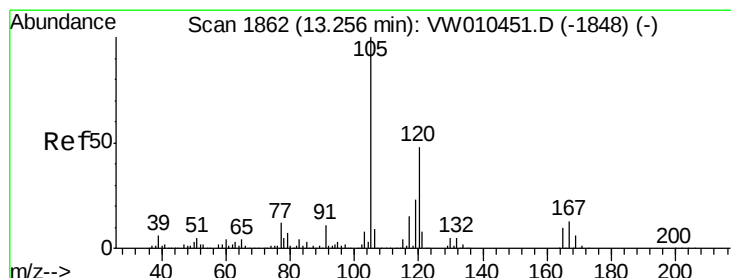
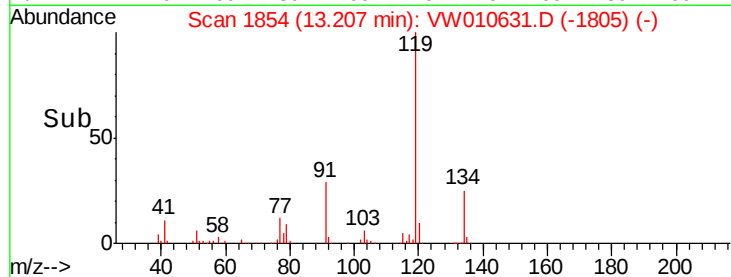
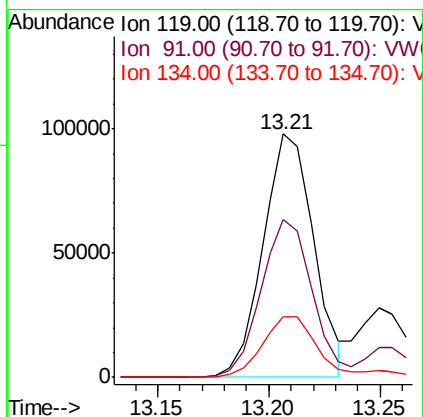
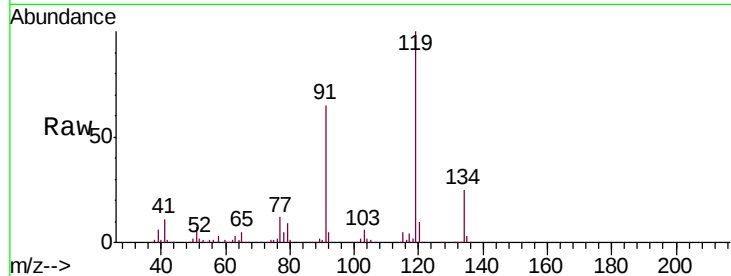




#83
tert-Butylbenzene
Concen: 20.596 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW010631.D
Acq: 31 May 2019 12:43

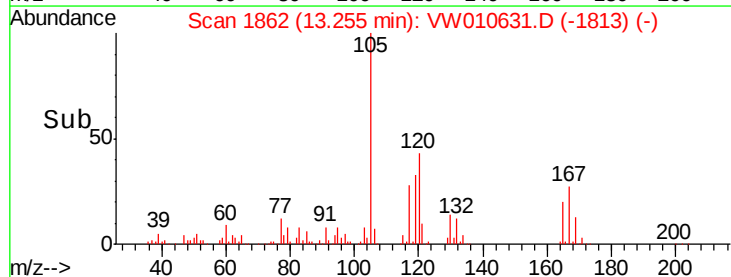
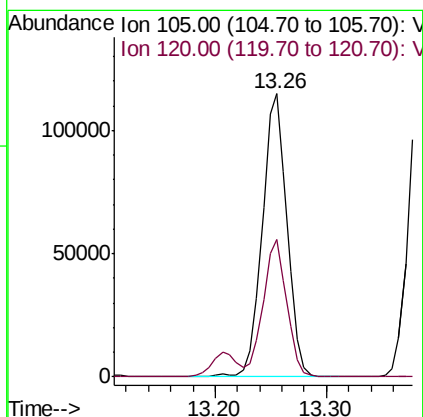
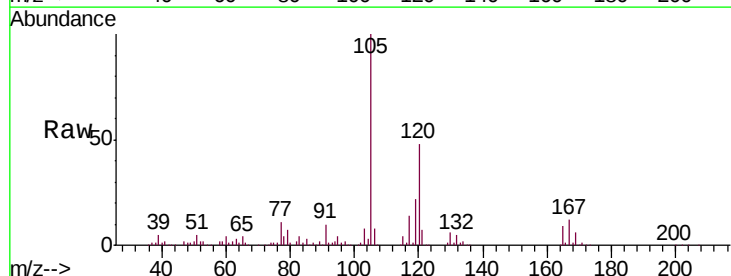
Instrument :
MSVOA_W
ClientSampleId :
VW0531SBS01

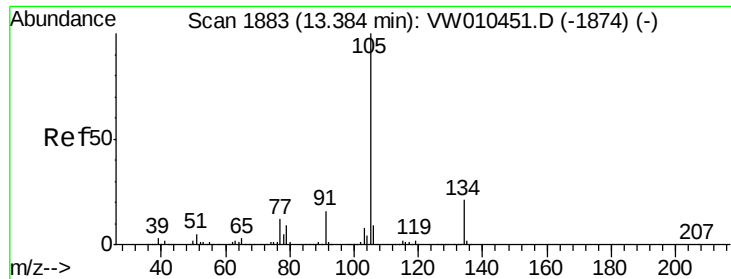
Tgt Ion:119 Resp: 154733
Ion Ratio Lower Upper
119 100
91 65.7 33.1 99.5
134 28.3 13.9 41.6



#84
1,2,4-Trimethylbenzene
Concen: 20.751 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW010631.D
Acq: 31 May 2019 12:43

Tgt Ion:105 Resp: 177752
Ion Ratio Lower Upper
105 100
120 46.7 23.4 70.2





#85

sec-Butylbenzene

Concen: 20.745 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW010631.D

Acq: 31 May 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

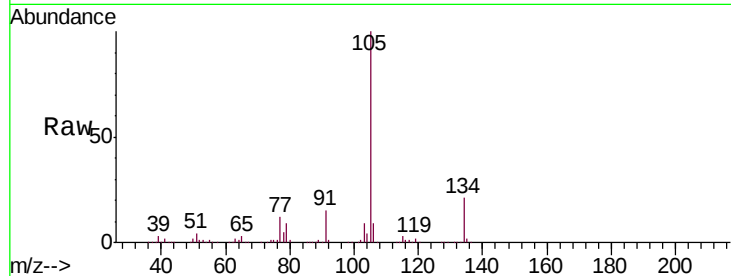
VW0531SBS01

Tgt Ion:105 Resp: 218101

Ion Ratio Lower Upper

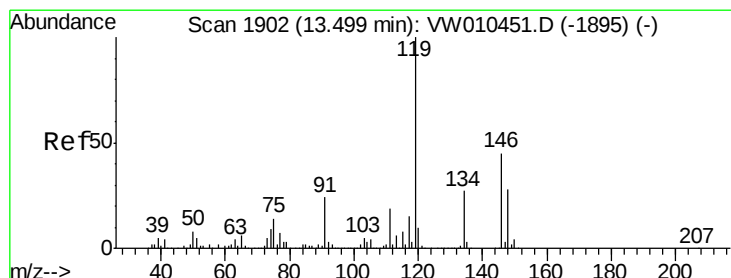
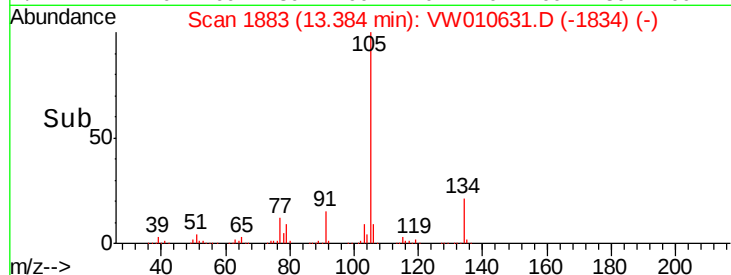
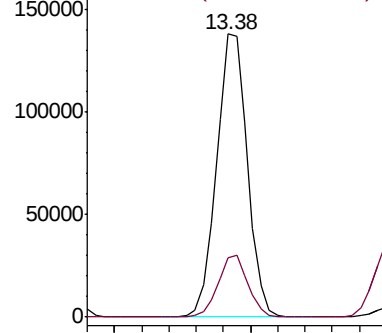
105 100

134 21.2 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: 20.914 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010631.D

Acq: 31 May 2019 12:43

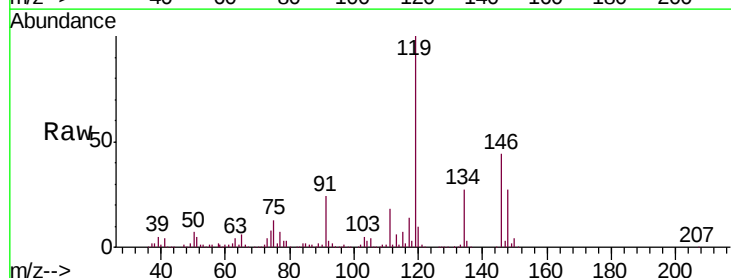
Tgt Ion:119 Resp: 199019

Ion Ratio Lower Upper

119 100

134 27.4 13.6 40.7

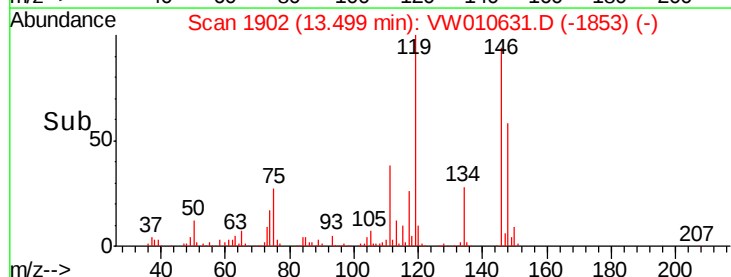
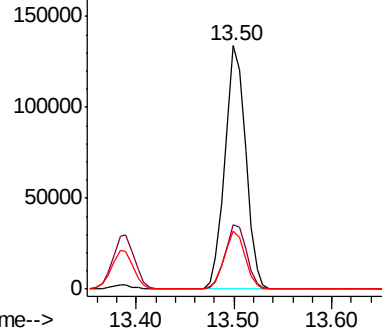
91 23.8 11.9 35.7

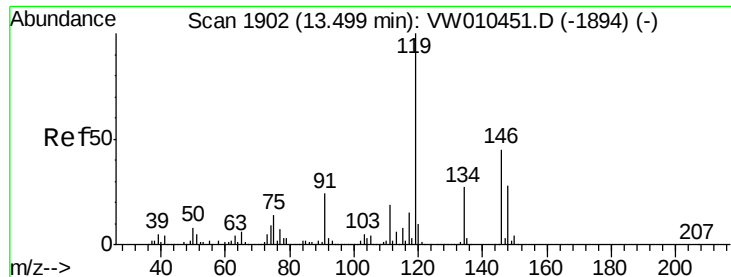


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 21.447 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010631.D

Acq: 31 May 2019 12:43

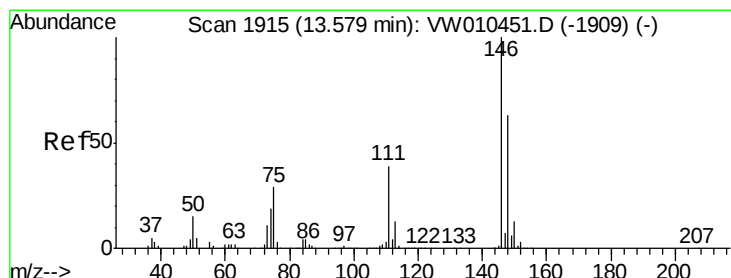
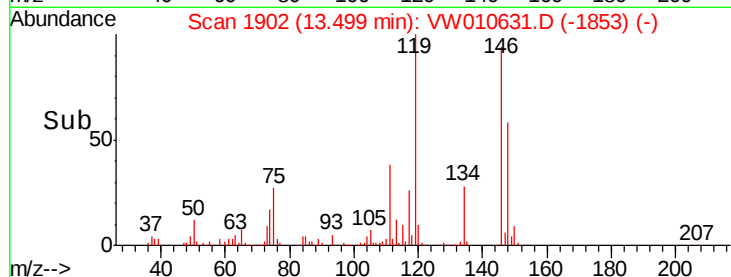
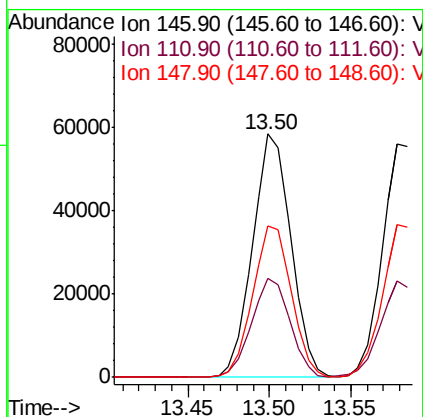
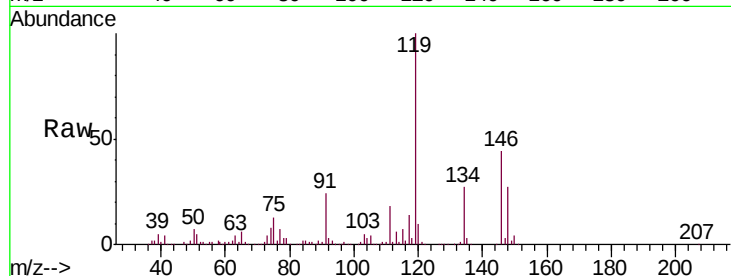
Instrument :

MSVOA_W

ClientSampleId :

VW0531SBS01

Tgt Ion:	146	Resp:	95619
Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.3	60.9
148	62.6	31.6	94.8



#88

1,4-Dichlorobenzene

Concen: 20.941 ug/l

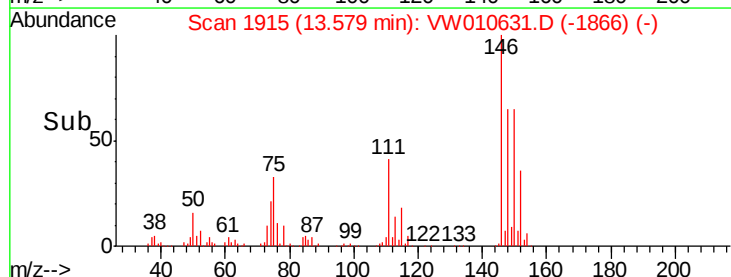
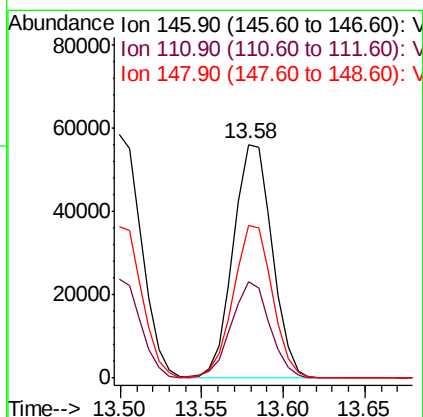
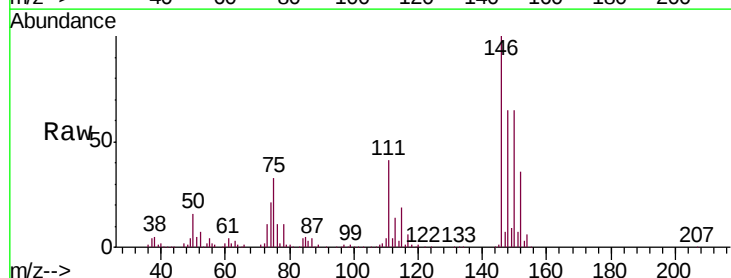
RT: 13.58 min Scan# 1915

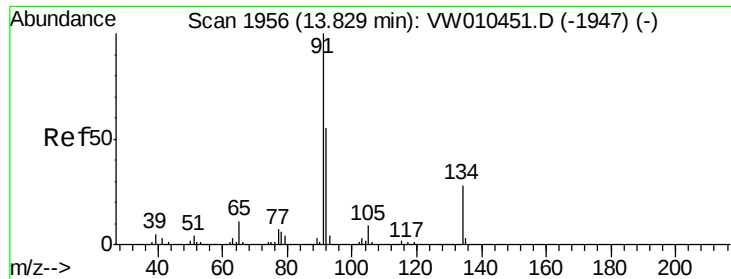
Delta R.T. -0.00 min

Lab File: VW010631.D

Acq: 31 May 2019 12:43

Tgt Ion:	146	Resp:	93673
Ion	Ratio	Lower	Upper
146	100		
111	41.0	19.9	59.6
148	65.4	31.6	94.8





#89

n-Butylbenzene

Concen: 20.328 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW010631.D

Acq: 31 May 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

VW0531SBS01

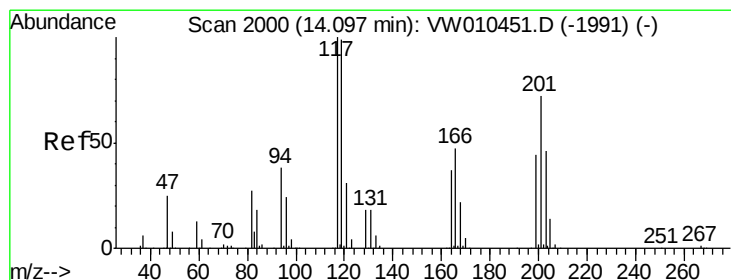
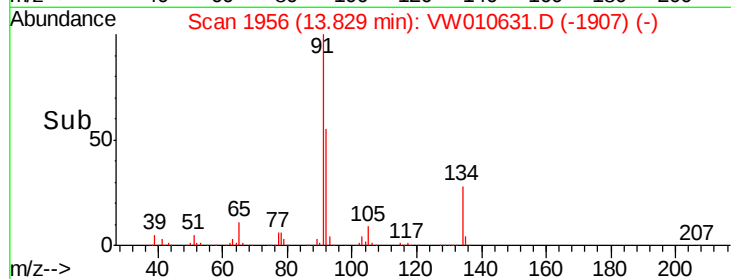
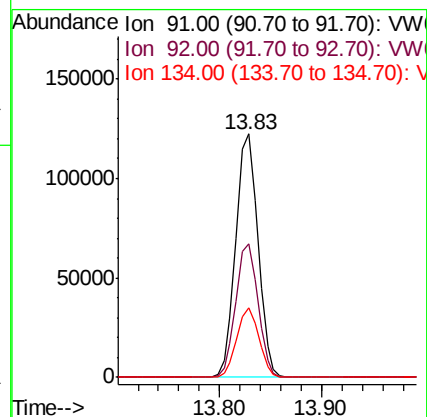
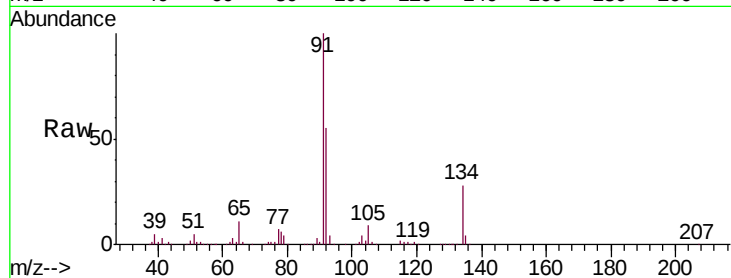
Tgt Ion: 91 Resp: 183996

Ion Ratio Lower Upper

91 100

92 55.0 27.7 83.1

134 28.3 13.9 41.6



#90

Hexachloroethane

Concen: 19.182 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW010631.D

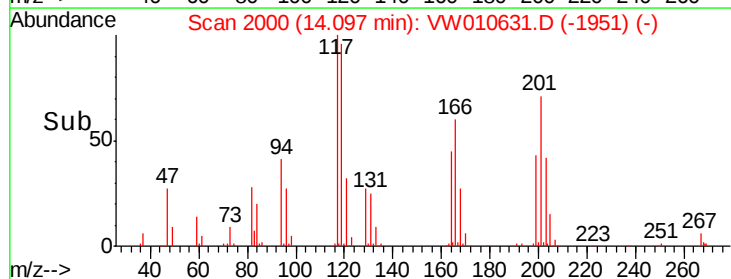
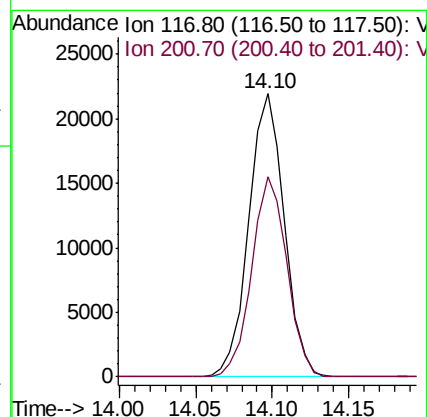
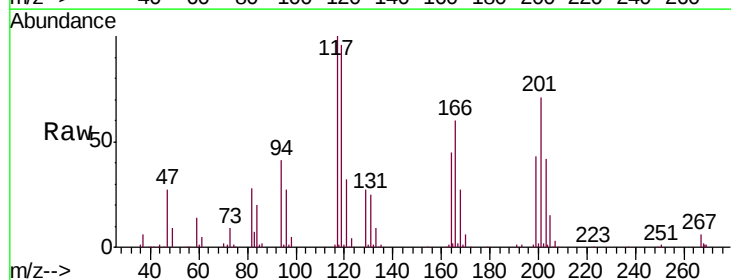
Acq: 31 May 2019 12:43

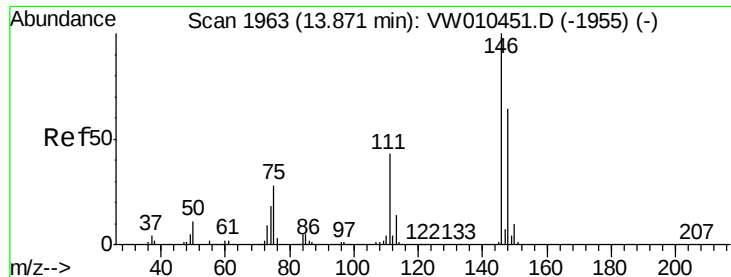
Tgt Ion: 117 Resp: 35331

Ion Ratio Lower Upper

117 100

201 70.1 34.6 103.8





#91

1,2-Dichlorobenzene

Concen: 20.973 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW010631.D

Acq: 31 May 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

VW0531SBS01

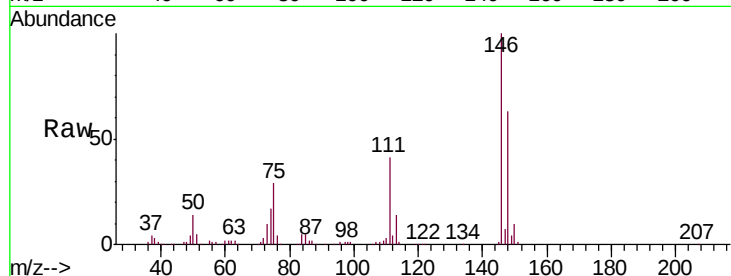
Tgt Ion:146 Resp: 85199

Ion Ratio Lower Upper

146 100

111 42.9 21.3 64.0

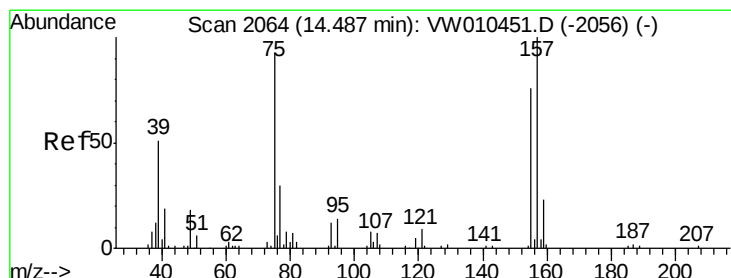
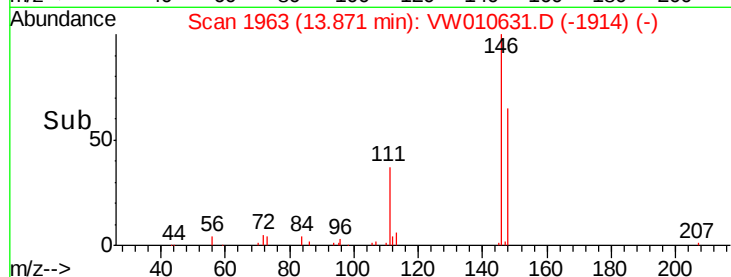
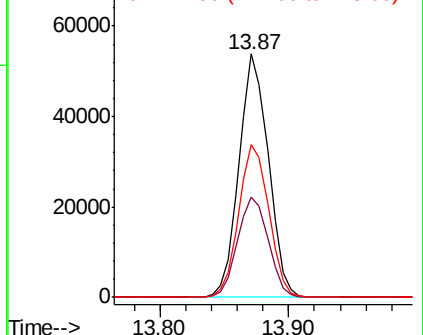
148 64.1 32.0 96.0



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: 16.300 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW010631.D

Acq: 31 May 2019 12:43

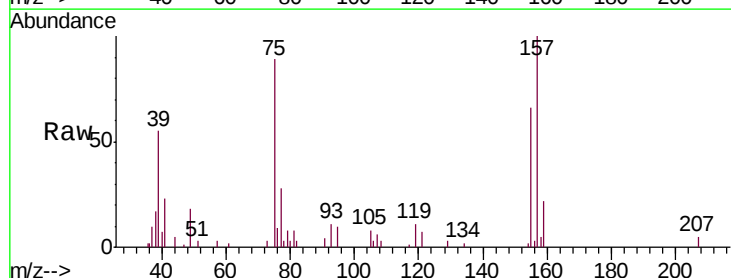
Tgt Ion: 75 Resp: 5598

Ion Ratio Lower Upper

75 100

155 85.6 43.0 129.0

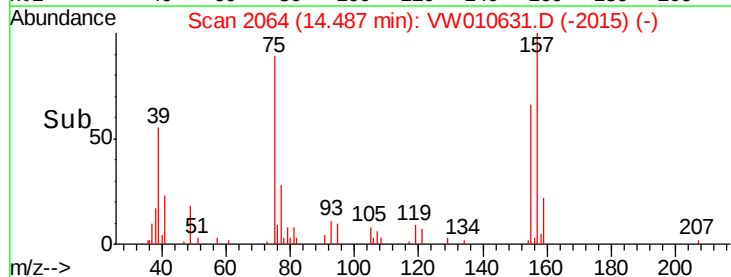
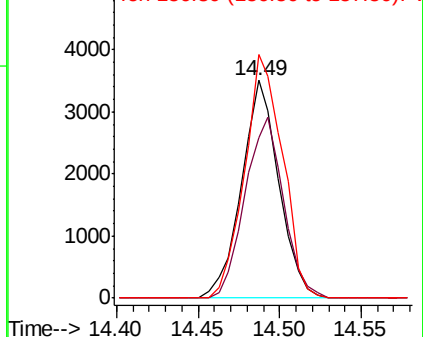
157 113.6 55.7 167.1

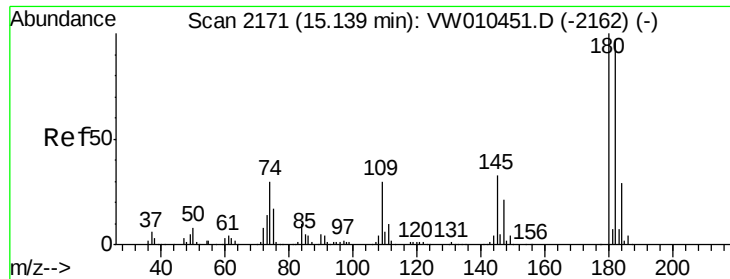


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

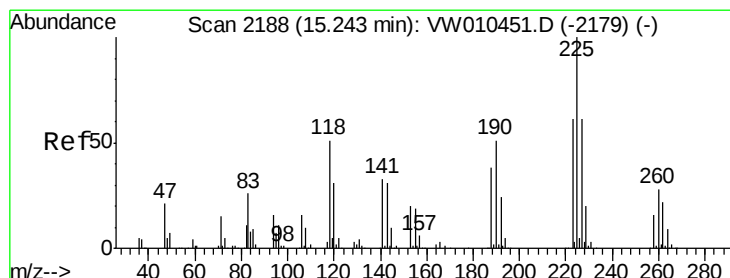
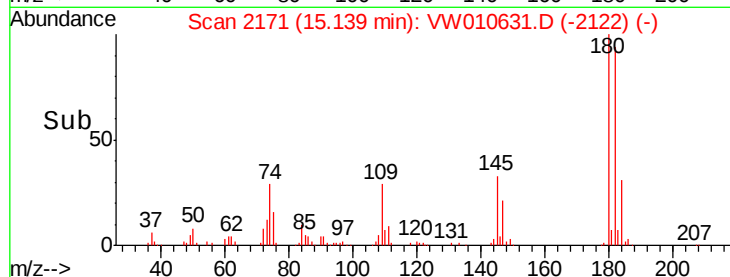
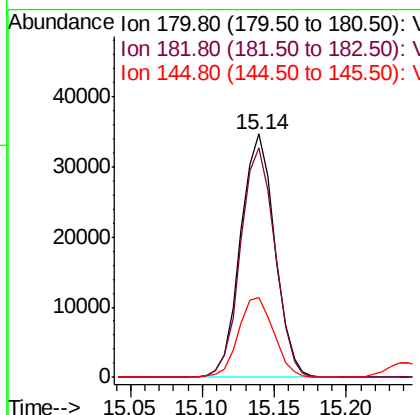
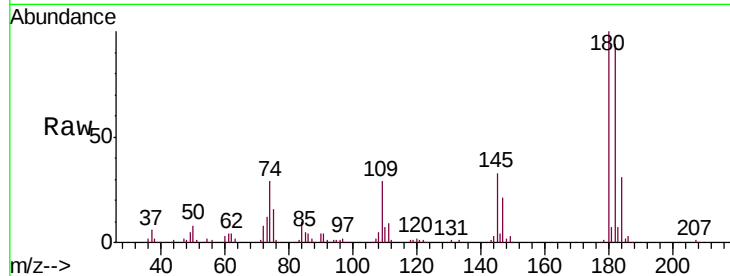




#93
 1,2,4-Trichlorobenzene
 Concen: 20.657 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010631.D
 Acq: 31 May 2019 12:43

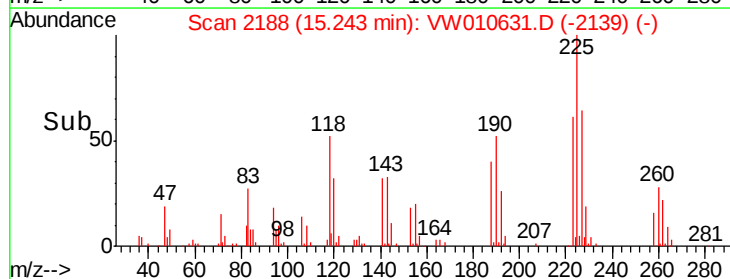
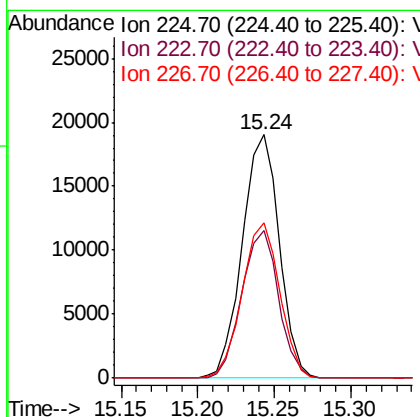
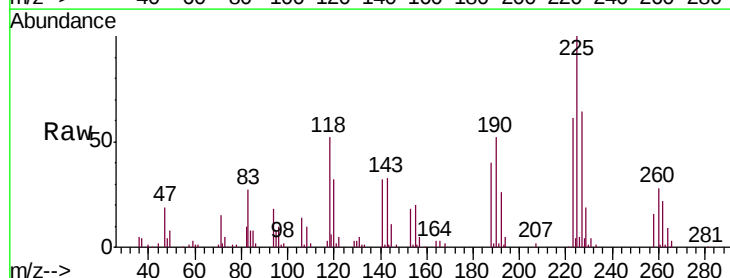
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0531SBS01

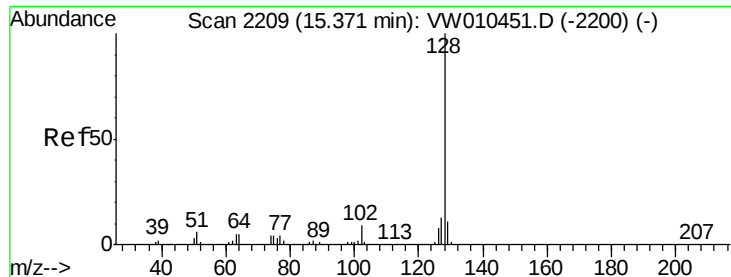
Tgt Ion:180 Resp: 57096
 Ion Ratio Lower Upper
 180 100
 182 94.7 47.0 141.2
 145 33.9 16.7 50.0



#94
 Hexachlorobutadiene
 Concen: 21.741 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW010631.D
 Acq: 31 May 2019 12:43

Tgt Ion:225 Resp: 32102
 Ion Ratio Lower Upper
 225 100
 223 60.6 31.1 93.2
 227 64.3 31.1 93.5

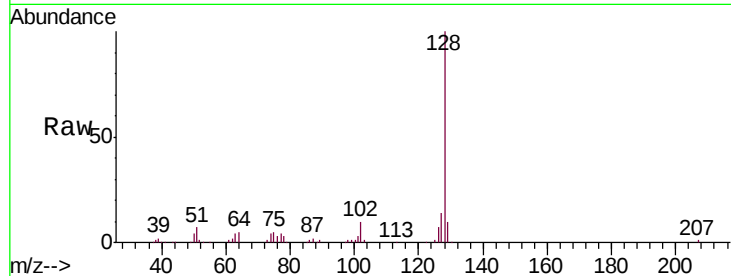




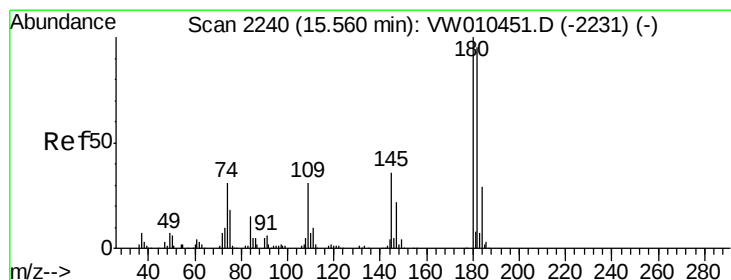
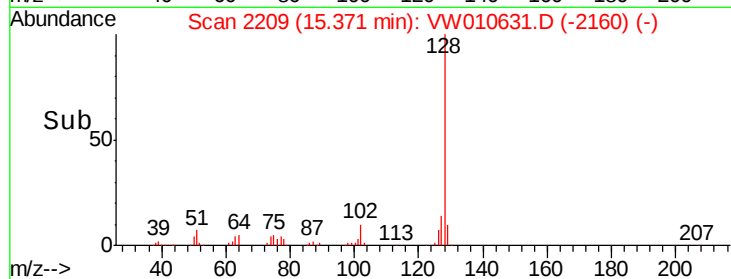
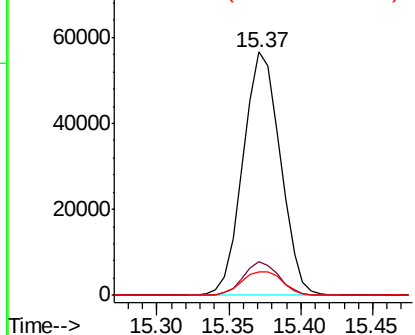
#95
Naphthalene
Concen: 17.514 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010631.D
Acq: 31 May 2019 12:43

Instrument :
MSVOA_W
ClientSampleId :
VW0531SBS01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	15.8
129	10.7	8.9	13.3

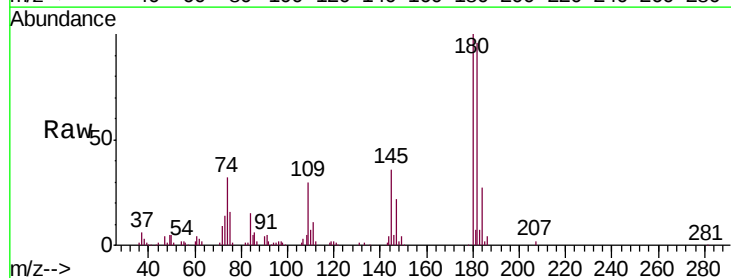


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 20.665 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010631.D
Acq: 31 May 2019 12:43

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.1	141.3
145	35.2	17.4	52.3



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

