

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW050919\
 Data File : VW010335.D
 Acq On : 09 May 2019 13:31
 Operator : SY/VA
 Sample : VSTDICC150
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC150

Quant Time: May 09 13:51:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050919S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 13:10:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	1286079	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	2057269	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1828459	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	869966	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	2051724	129.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	258.56%	
35) Dibromofluoromethane	7.88	113	1806346	138.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	276.22%	
50) Toluene-d8	10.32	98	7358248	150.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	300.26%	
62) 4-Bromofluorobenzene	12.62	95	2634571	147.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	295.76%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	1502348	153.206	ug/l	97
3) Chloromethane	2.22	50	2102075	214.358	ug/l	96
4) Vinyl Chloride	2.37	62	2463487	216.117	ug/l	99
5) Bromomethane	2.77	94	1391218	181.610	ug/l	100
6) Chloroethane	2.92	64	1468737	197.201	ug/l	96
7) Trichlorofluoromethane	3.25	101	1377669	174.804	ug/l	97
8) Diethyl Ether	3.67	74	1072582	163.608	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.05	101	1960554	147.836	ug/l	98
10) Methyl Iodide	4.26	142	2903846	158.448	ug/l	93
11) Tert butyl alcohol	5.18	59	770301	852.084	ug/l	98
12) 1,1-Dichloroethene	4.03	96	2140246	168.338	ug/l	95
13) Acrolein	3.89	56	902846	949.304	ug/l	98
14) Allyl chloride	4.65	41	3250273	143.793	ug/l	90
15) Acrylonitrile	5.36	53	3114307	923.086	ug/l	99
16) Acetone	4.12	43	2796495	759.425	ug/l	95
17) Carbon Disulfide	4.37	76	6532546	187.309	ug/l	99
18) Methyl Acetate	4.67	43	1393468	163.504	ug/l	96
19) Methyl tert-butyl Ether	5.42	73	2644796	160.156	ug/l	100
20) Methylene Chloride	4.91	84	2081459	122.864	ug/l	93
21) trans-1,2-Dichloroethene	5.41	96	2278109	165.468	ug/l	98
22) Diisopropyl ether	6.31	45	6159164	134.333	ug/l	92
23) Vinyl Acetate	6.25	43	22324513	773.461	ug/l #	94
24) 1,1-Dichloroethane	6.21	63	4116042	150.171	ug/l	99
25) 2-Butanone	7.17	43	4503802	931.071	ug/l	96
26) 2,2-Dichloropropane	7.16	77	1968688	129.824	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	2419893	159.818	ug/l	96
28) Bromochloromethane	7.51	49	1471257	131.348	ug/l	99
29) Tetrahydrofuran	7.52	42	2892114	943.586	ug/l	95
30) Chloroform	7.67	83	3791659	138.057	ug/l	98
31) Cyclohexane	7.95	56	4038930	157.362	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	2949416	136.796	ug/l	99
36) 1,1-Dichloropropene	8.08	75	3337579	158.822	ug/l	100
37) Ethyl Acetate	7.25	43	1890129	177.004	ug/l	97
38) Carbon Tetrachloride	8.06	117	2880358	140.440	ug/l	100

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	4311683	182.332	ug/l	97
40) Benzene	8.32	78	8974802	156.193	ug/l	99
41) Methacrylonitrile	7.48	41	1131967	185.995	ug/l	95
42) 1,2-Dichloroethane	8.40	62	2604177	131.880	ug/l	96
43) Isopropyl Acetate	8.42	43	3299514	164.891	ug/l	99
44) Trichloroethene	9.09	130	2300393	157.625	ug/l	98
45) 1,2-Dichloropropane	9.37	63	2275617	150.670	ug/l	98
46) Dibromomethane	9.46	93	1177263	150.392	ug/l	98
47) Bromodichloromethane	9.64	83	2893077	143.170	ug/l	100
48) Methyl methacrylate	9.43	41	1600908	164.355	ug/l	86
49) 1,4-Dioxane	9.45	88	438451	3665.663	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	9105723	868.824	ug/l	92
52) Toluene	10.38	92	5600354	156.466	ug/l	96
53) t-1,3-Dichloropropene	10.60	75	3119771	155.720	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	3621485	158.305	ug/l	90
55) 1,1,2-Trichloroethane	10.79	97	1671717	153.006	ug/l	99
56) Ethyl methacrylate	10.65	69	2569466	189.173	ug/l #	88
57) 1,3-Dichloropropane	10.93	76	3038327	155.151	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	5967824	954.072	ug/l	100
59) 2-Hexanone	10.97	43	6696749	917.919	ug/l	90
60) Dibromochloromethane	11.13	129	1887259	149.450	ug/l	100
61) 1,2-Dibromoethane	11.23	107	1650329	158.785	ug/l	97
64) Tetrachloroethene	10.86	164	1934310	162.961	ug/l	98
65) Chlorobenzene	11.66	112	5654183	151.085	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	1954686	146.057	ug/l	98
67) Ethyl Benzene	11.73	91	10596403	158.700	ug/l	96
68) m/p-Xylenes	11.84	106	7938706	318.071	ug/l	93
69) o-Xylene	12.16	106	3747337	164.892	ug/l	95
70) Styrene	12.18	104	6464378	164.975	ug/l	99
71) Bromoform	12.35	173	1169261	165.226	ug/l #	98
73) Isopropylbenzene	12.46	105	10140696	167.482	ug/l	98
74) N-amyl acetate	12.27	43	2938017	175.221	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.71	83	2169869	181.392	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	2899517	333.008	ug/l #	100
77) Bromobenzene	12.75	156	2262782	162.496	ug/l	98
78) n-propylbenzene	12.80	91	12011558	160.065	ug/l	98
79) 2-Chlorotoluene	12.90	91	6978317	161.691	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	8382881	163.291	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	801496	217.053	ug/l	87
82) 4-Chlorotoluene	12.99	91	7201613	158.547	ug/l	100
83) tert-Butylbenzene	13.21	119	7162312	168.473	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	8330258	160.045	ug/l	98
85) sec-Butylbenzene	13.38	105	10195357	160.477	ug/l	98
86) p-Isopropyltoluene	13.50	119	9195758	164.219	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	4331728	153.885	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	4256833	151.504	ug/l	99
89) n-Butylbenzene	13.83	91	9191820	165.685	ug/l	96
90) Hexachloroethane	14.10	117	1721629	160.522	ug/l	93
91) 1,2-Dichlorobenzene	13.87	146	3826676	151.615	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	414797	193.763	ug/l	91

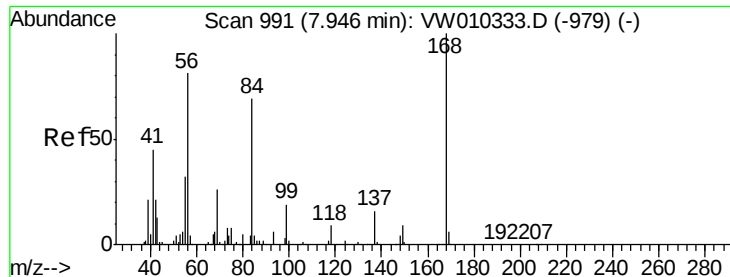
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW050919\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	2833466	170.168	ug/l	100
94) Hexachlorobutadiene	15.24	225	1719291	170.035	ug/l	99
95) Naphthalene	15.37	128	6348976	212.381	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	2537738	175.667	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW010335.D

Acq: 09 May 2019 13:31

Instrument :

MSVOA_W

ClientSampleId :

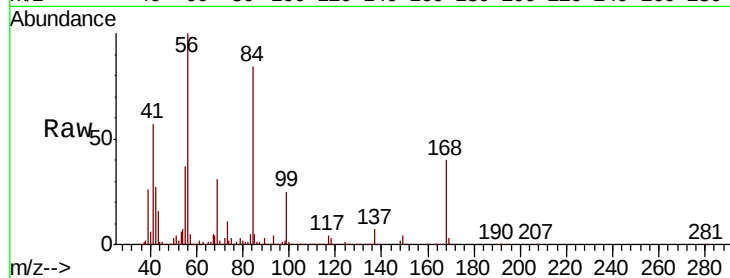
VSTDIC150

Tgt Ion:168 Resp: 1286079

Ion Ratio Lower Upper

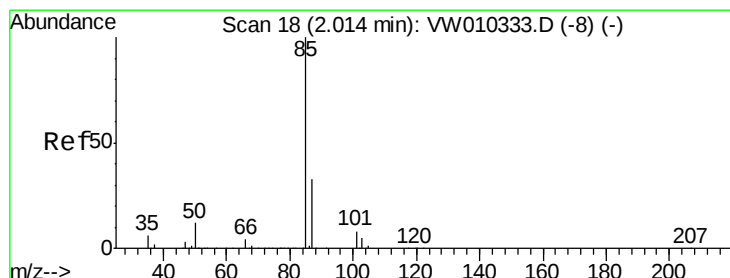
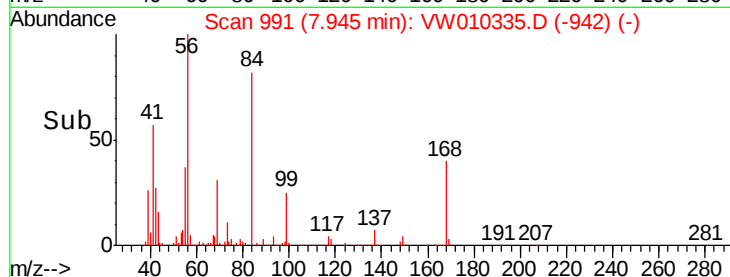
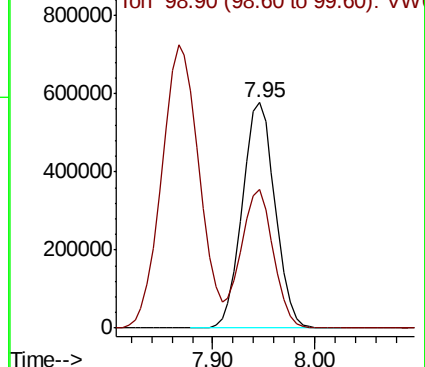
168 100

99 61.6 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 153.206 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW010335.D

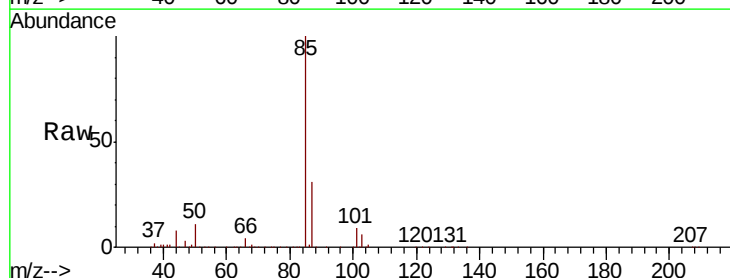
Acq: 09 May 2019 13:31

Tgt Ion: 85 Resp: 1502348

Ion Ratio Lower Upper

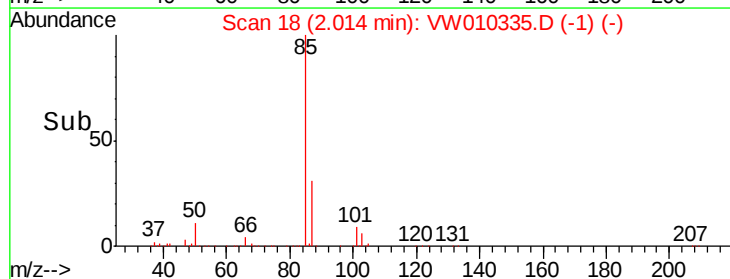
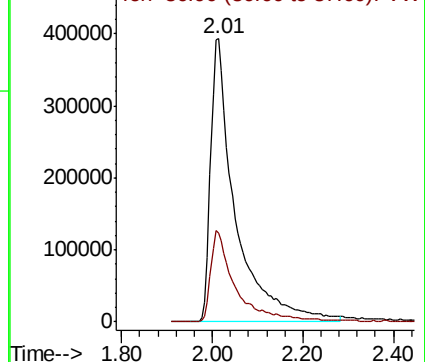
85 100

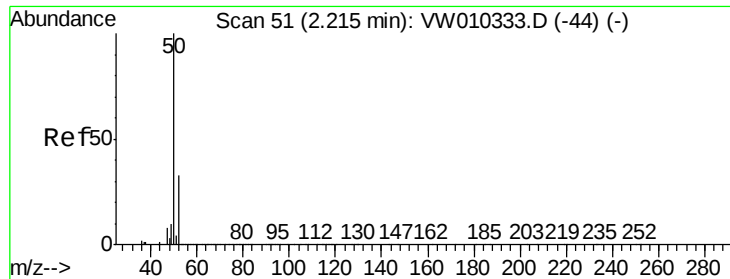
87 31.2 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 214.358 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW010335.D

Acq: 09 May 2019 13:31

Instrument :

MSVOA_W

ClientSampleId :

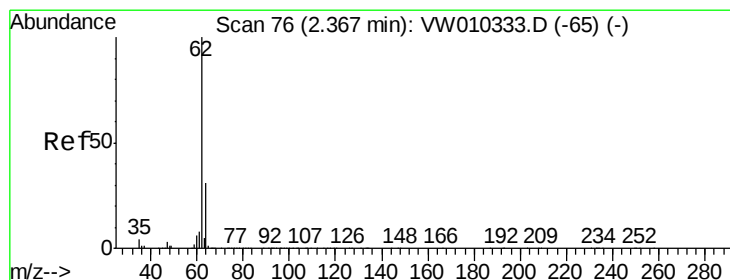
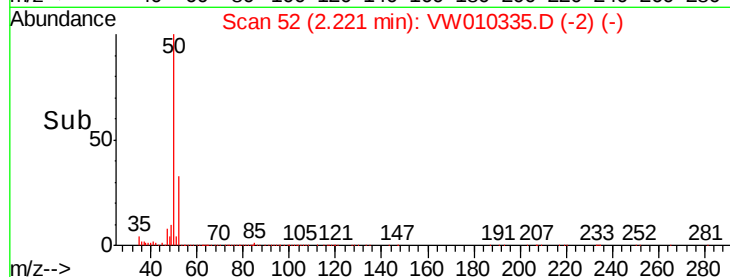
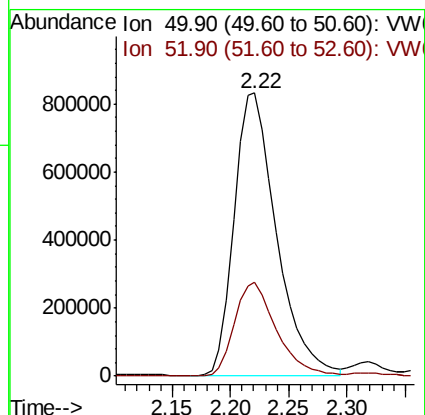
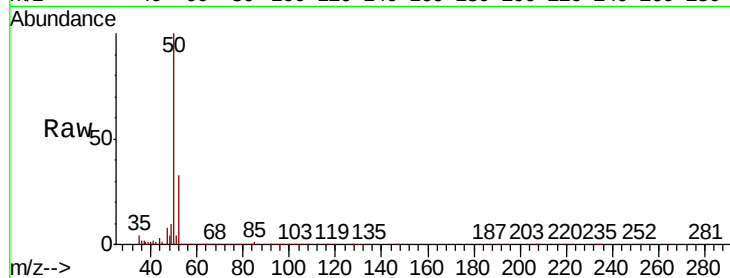
VSTDIC150

Tgt Ion: 50 Resp: 2102075

Ion Ratio Lower Upper

50 100

52 33.3 25.0 37.6



#4

Vinyl Chloride

Concen: 216.117 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW010335.D

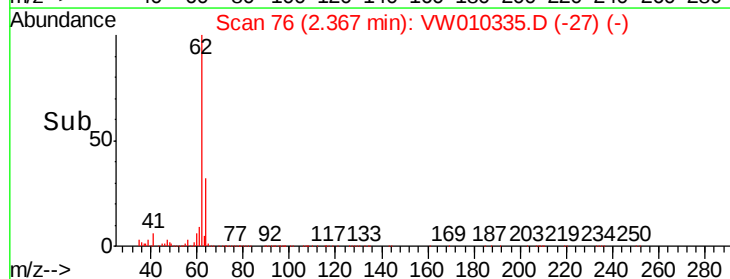
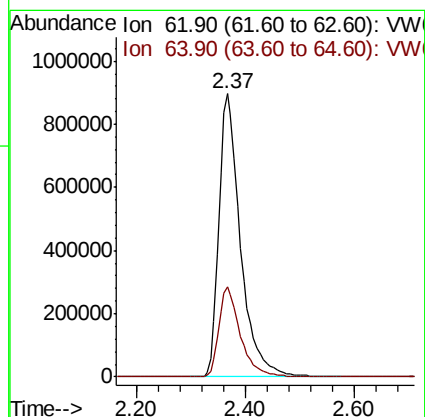
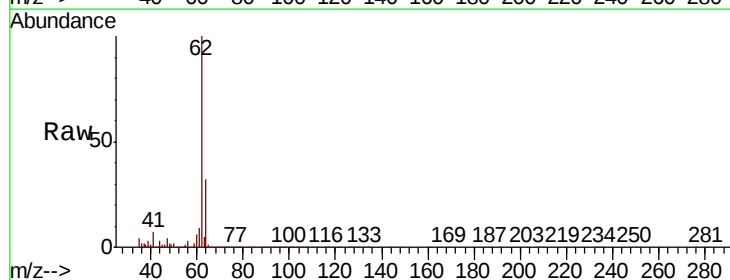
Acq: 09 May 2019 13:31

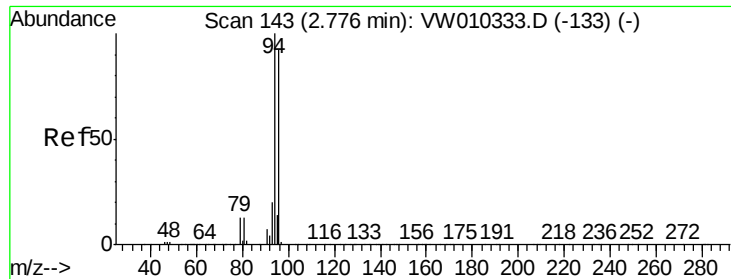
Tgt Ion: 62 Resp: 2463487

Ion Ratio Lower Upper

62 100

64 31.7 25.9 38.9





#5

Bromomethane

Concen: 181.610 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW010335.D

Acq: 09 May 2019 13:31

Instrument :

MSVOA_W

ClientSampleId :

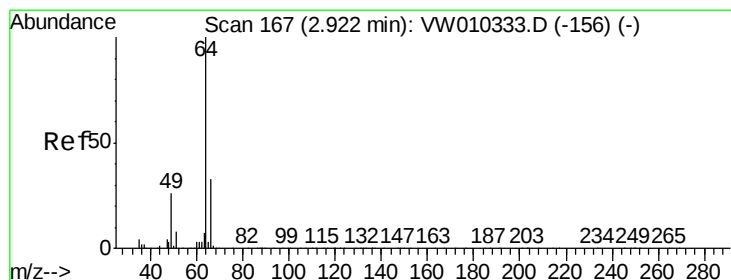
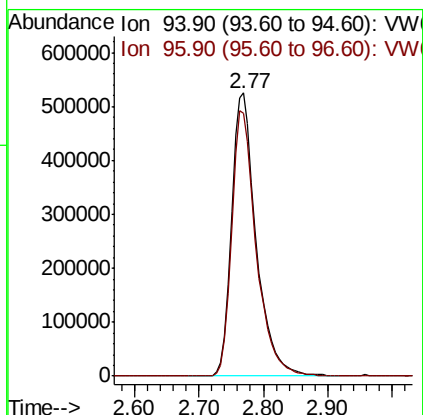
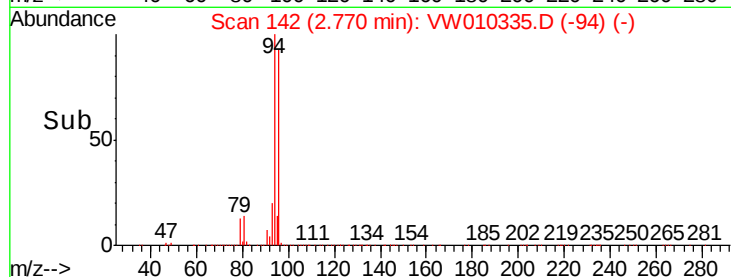
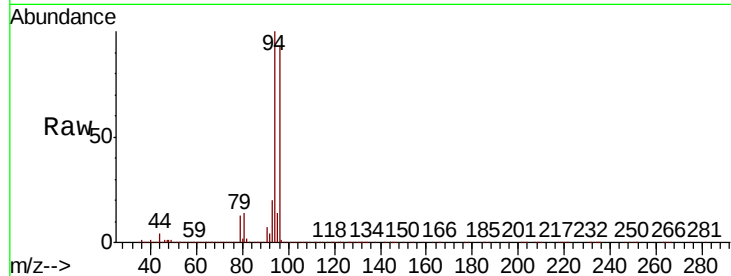
VSTDIC150

Tgt Ion: 94 Resp: 1391218

Ion Ratio Lower Upper

94 100

96 92.9 74.2 111.2



#6

Chloroethane

Concen: 197.201 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW010335.D

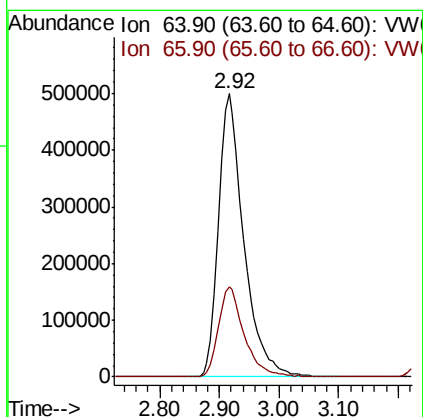
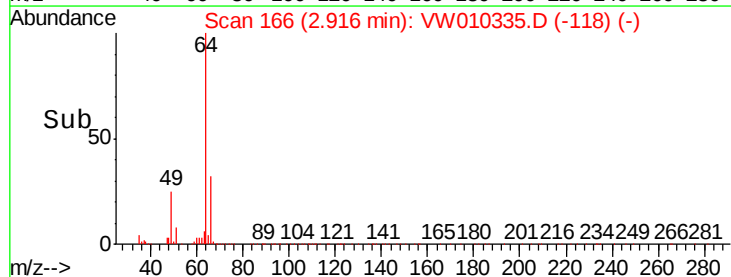
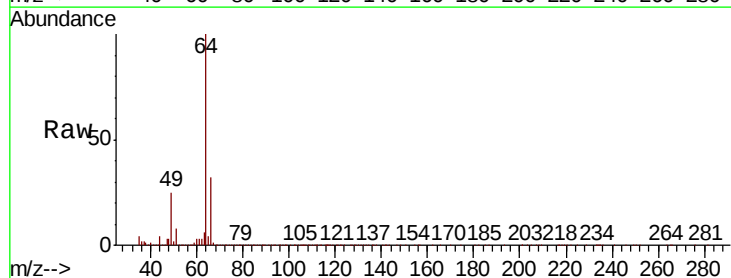
Acq: 09 May 2019 13:31

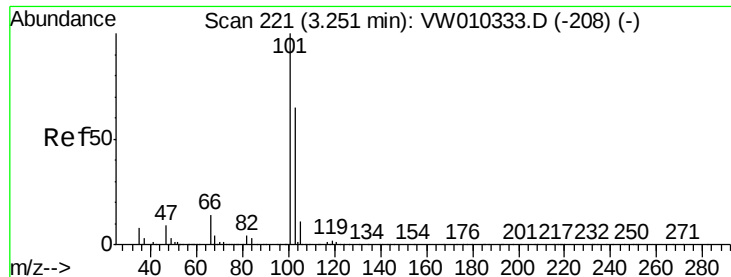
Tgt Ion: 64 Resp: 1468737

Ion Ratio Lower Upper

64 100

66 31.5 23.4 35.0



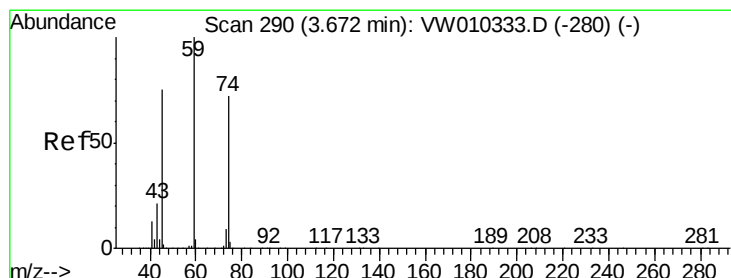
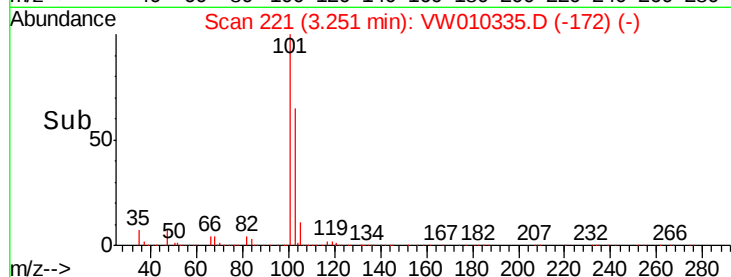
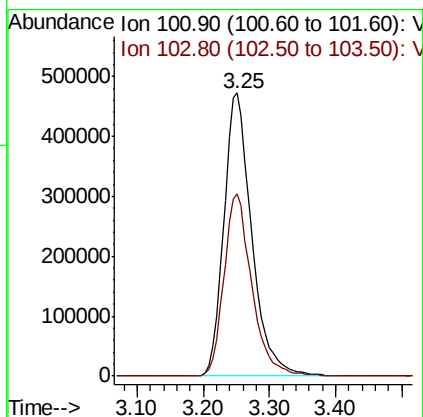
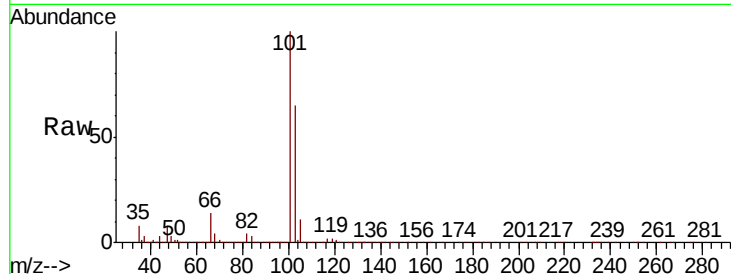


#7

Trichlorofluoromethane
 Concen: 174.804 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW010335.D
 Acq: 09 May 2019 13:31

Instrument :
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 VSTDIC150

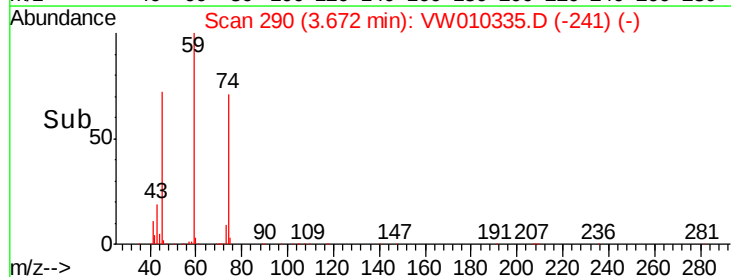
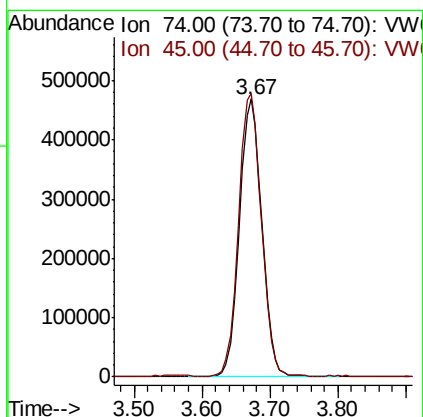
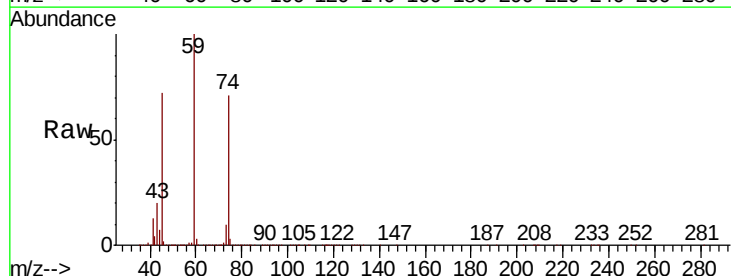
Tgt Ion: 101 Resp: 1377669
 Ion Ratio Lower Upper
 101 100
 103 64.6 49.8 74.6

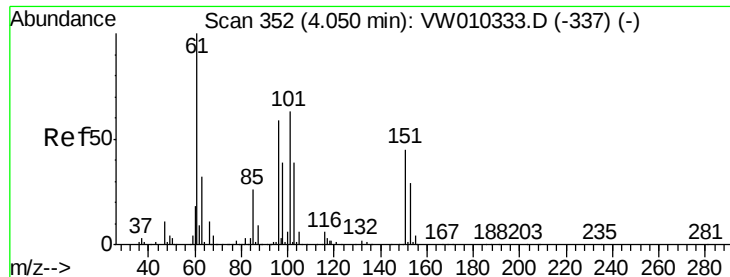


#8

Diethyl Ether
 Concen: 163.608 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.00 min
 Lab File: VW010335.D
 Acq: 09 May 2019 13:31

Tgt Ion: 74 Resp: 1072582
 Ion Ratio Lower Upper
 74 100
 45 102.8 56.0 168.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 147.836 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.00 min

Lab File: VW010335.D

Acq: 09 May 2019 13:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

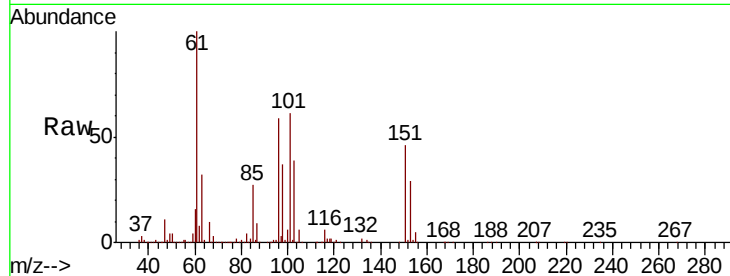
Tgt Ion:101 Resp: 1960554

Ion Ratio Lower Upper

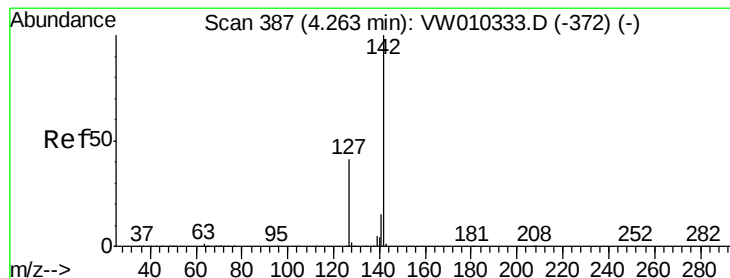
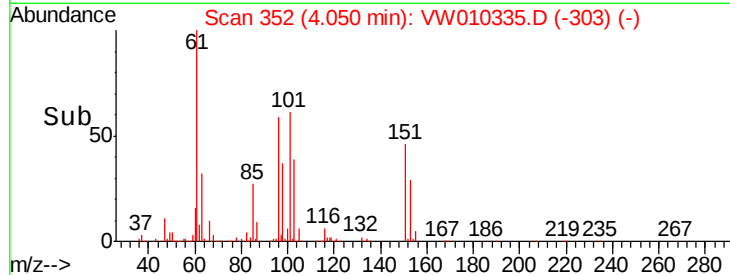
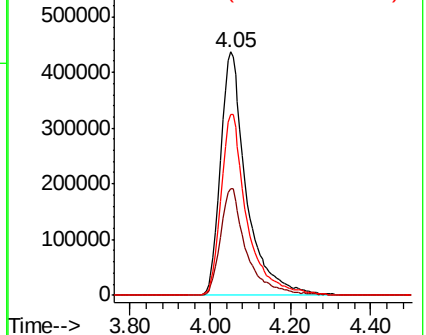
101 100

85 43.7 36.3 54.5

151 74.4 60.2 90.2



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 158.448 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.00 min

Lab File: VW010335.D

Acq: 09 May 2019 13:31

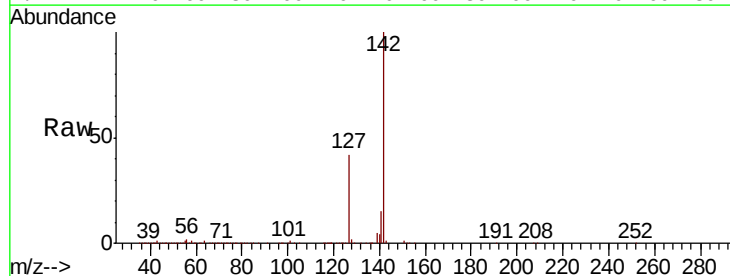
Tgt Ion:142 Resp: 2903846

Ion Ratio Lower Upper

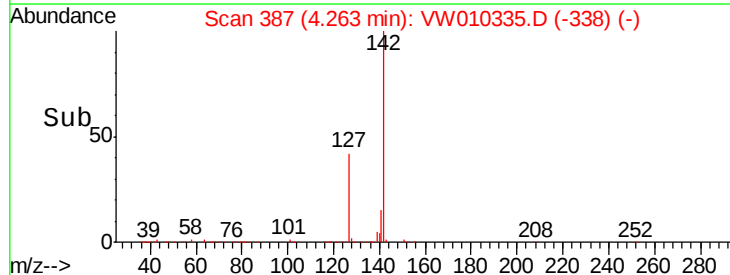
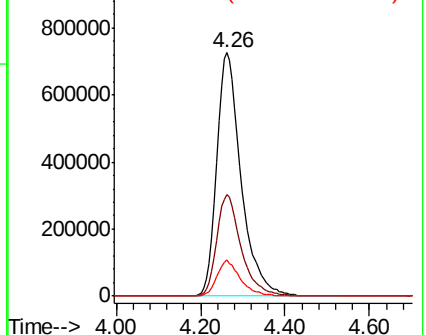
142 100

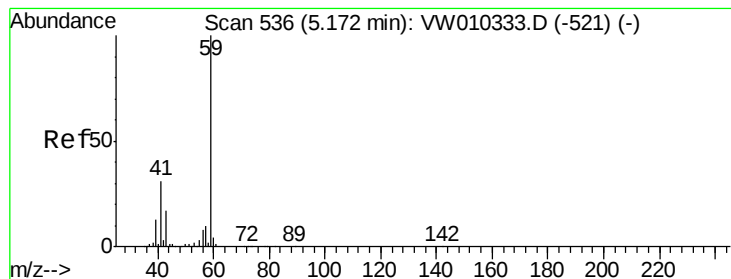
127 41.9 38.1 57.1

141 14.3 12.2 18.2



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



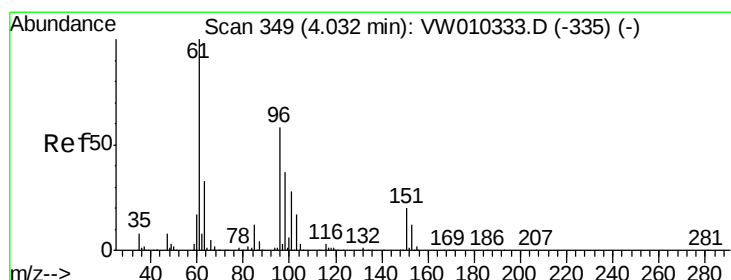
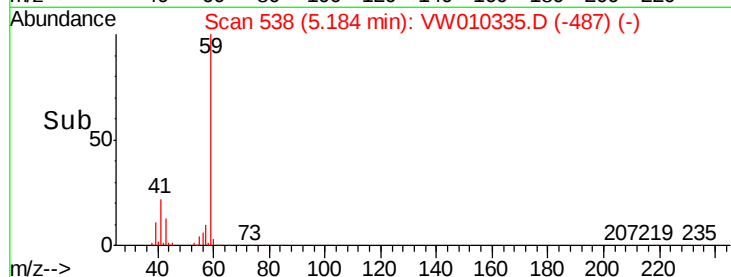
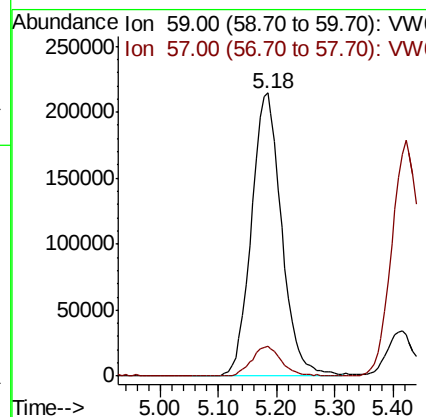
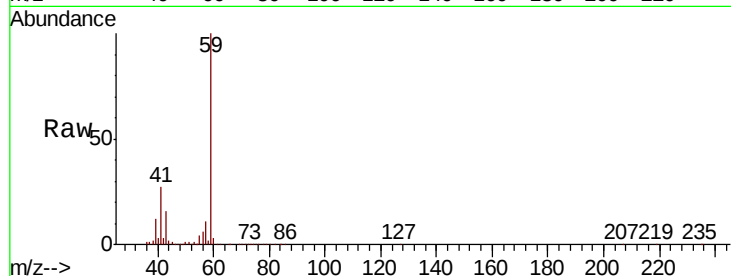


#11

Tert butyl alcohol
 Concen: 852.084 ug/l
 RT: 5.18 min Scan# 538
 Delta R.T. 0.01 min
 Lab File: VW010335.D
 Acq: 09 May 2019 13:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

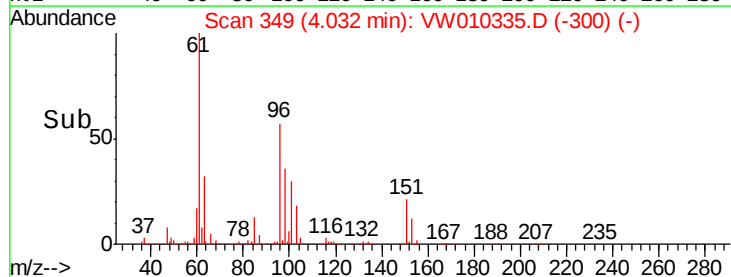
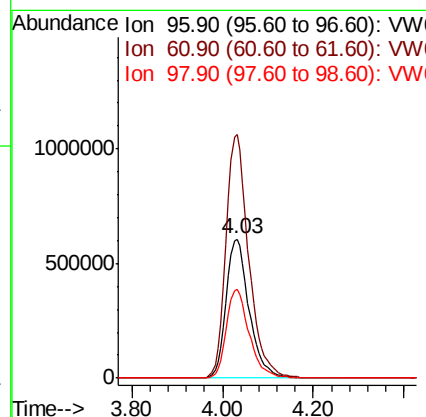
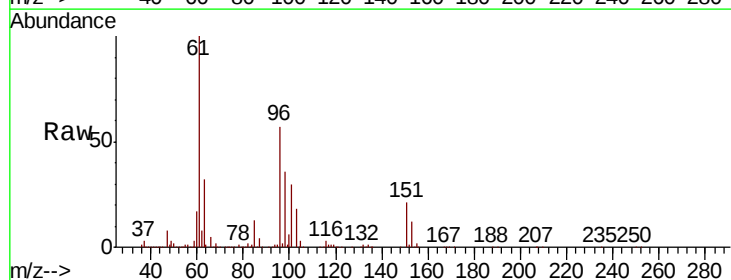
Tgt Ion: 59 Resp: 770301
 Ion Ratio Lower Upper
 59 100
 57 10.3 9.0 13.4

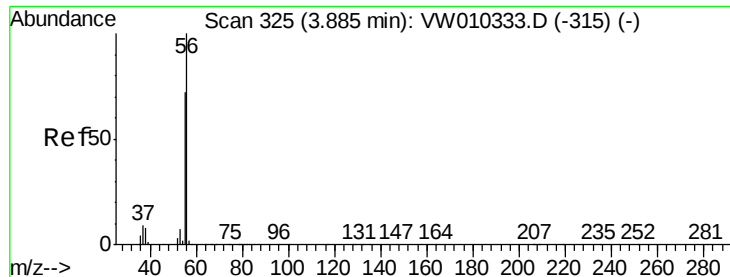


#12

1,1-Dichloroethene
 Concen: 168.338 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.00 min
 Lab File: VW010335.D
 Acq: 09 May 2019 13:31

Tgt Ion: 96 Resp: 2140246
 Ion Ratio Lower Upper
 96 100
 61 175.2 147.4 221.2
 98 63.8 49.7 74.5





#13

Acrolein

Concen: 949.304 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.00 min

Lab File: VW010335.D

Acq: 09 May 2019 13:31

Instrument :

MSVOA_W

ClientSampleId :

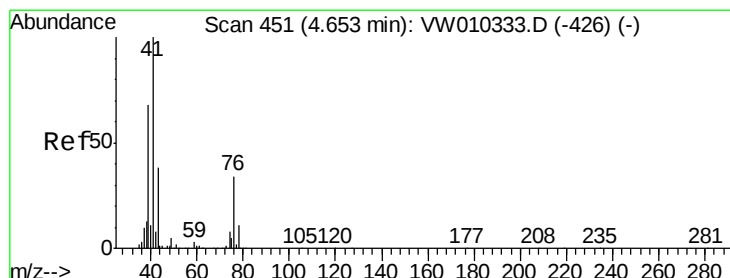
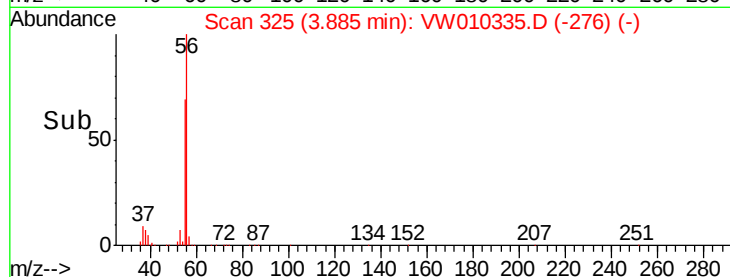
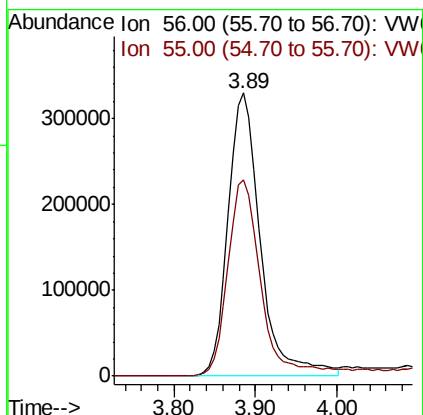
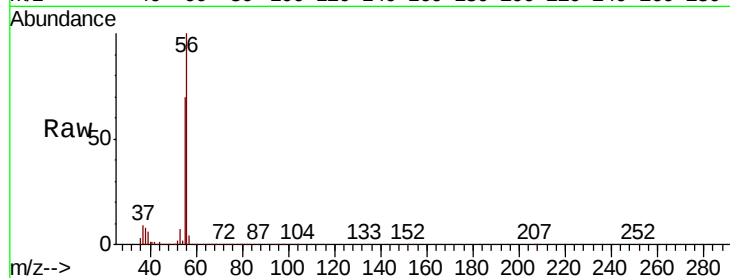
VSTDIC150

Tgt Ion: 56 Resp: 902846

Ion Ratio Lower Upper

56 100

55 69.2 54.2 81.2



#14

Allyl chloride

Concen: 143.793 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.00 min

Lab File: VW010335.D

Acq: 09 May 2019 13:31

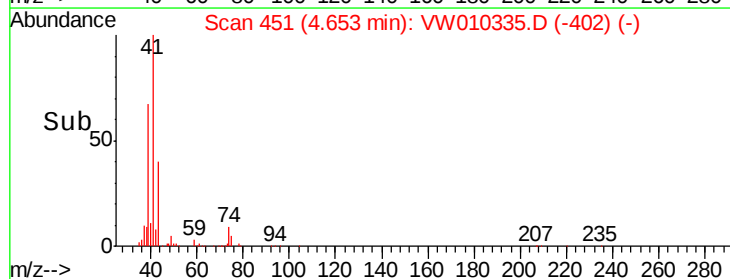
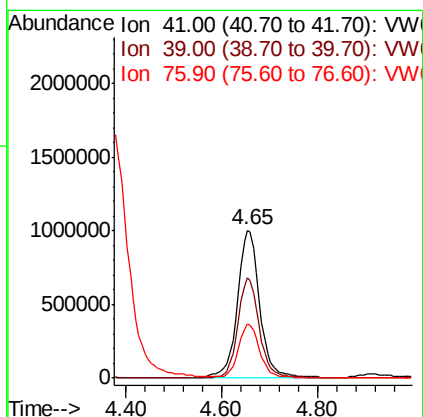
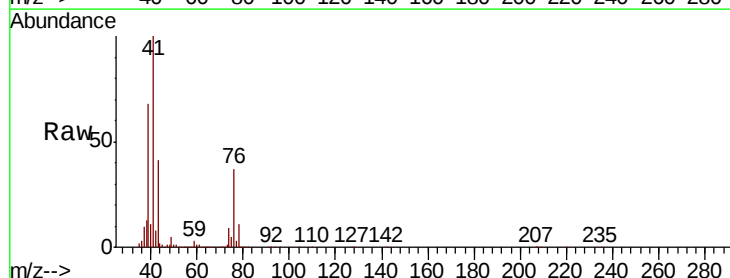
Tgt Ion: 41 Resp: 3250273

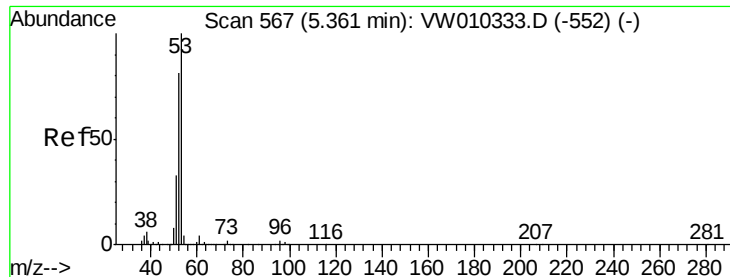
Ion Ratio Lower Upper

41 100

39 65.4 60.2 90.4

76 35.0 25.0 37.6





#15

Acrylonitrile

Concen: 923.086 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.00 min

Lab File: VW010335.D

Acq: 09 May 2019 13:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

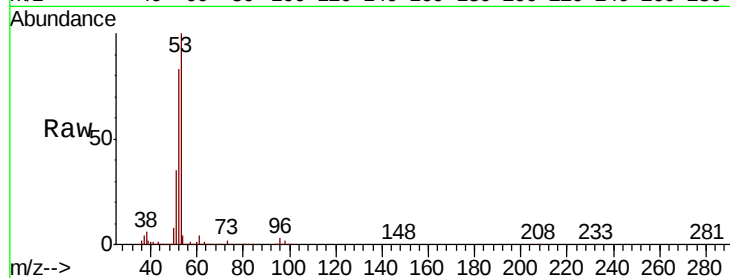
Tgt Ion: 53 Resp: 3114307

Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.6	100.0
51	35.7	30.3	45.5

53 100

52 82.9 66.6 100.0

51 35.7 30.3 45.5

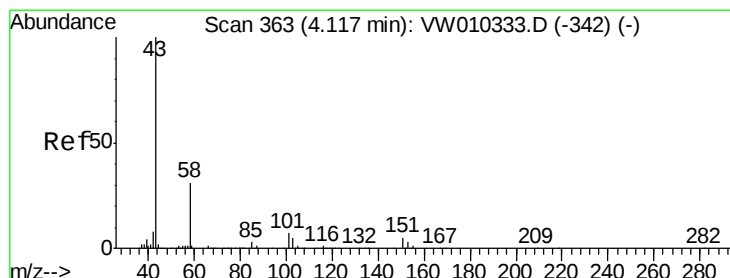
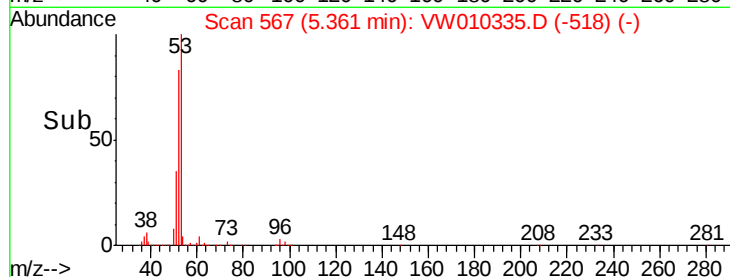
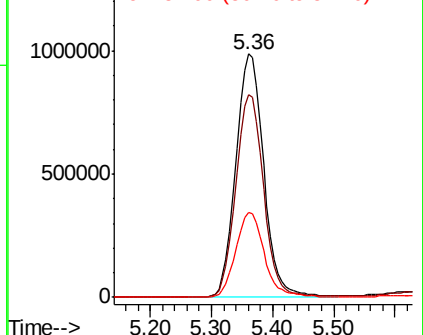


Abundance

Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 759.425 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW010335.D

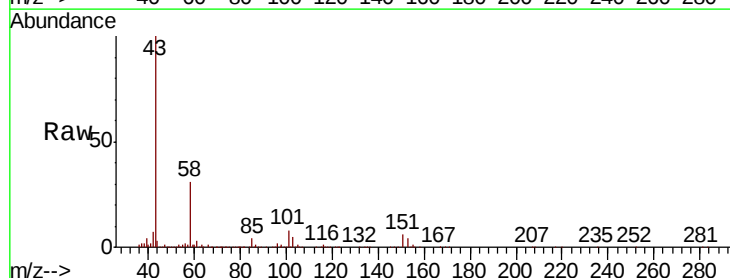
Acq: 09 May 2019 13:31

Tgt Ion: 43 Resp: 2796495

Ion	Ratio	Lower	Upper
43	100		
58	31.0	22.7	34.1

43 100

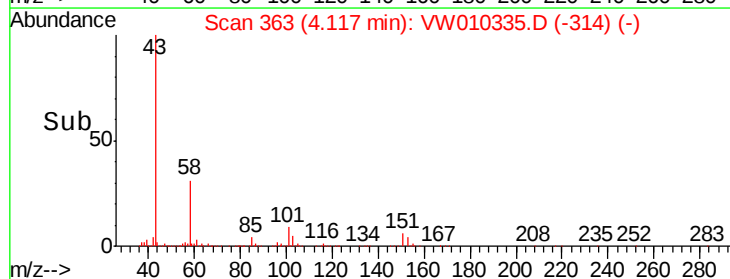
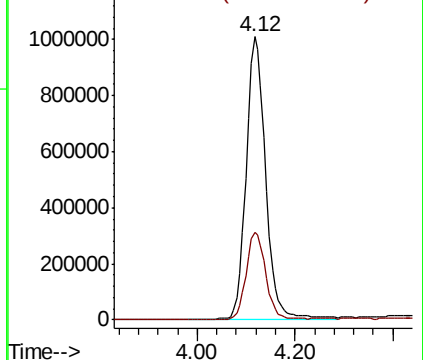
58 31.0 22.7 34.1

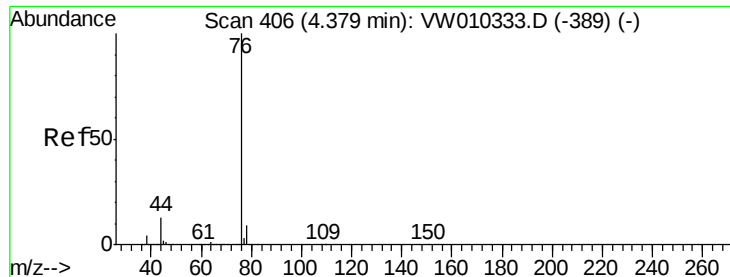


Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 187.309 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW010335.D

Acq: 09 May 2019 13:31

Instrument :

MSVOA_W

ClientSampleId :

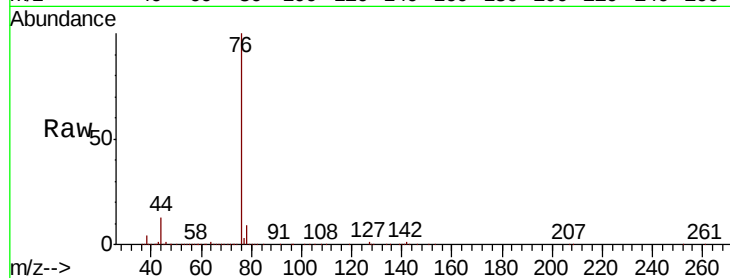
VSTDIC150

Tgt Ion: 76 Resp: 6532546

Ion Ratio Lower Upper

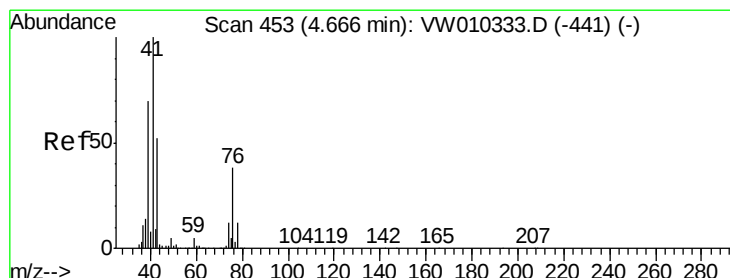
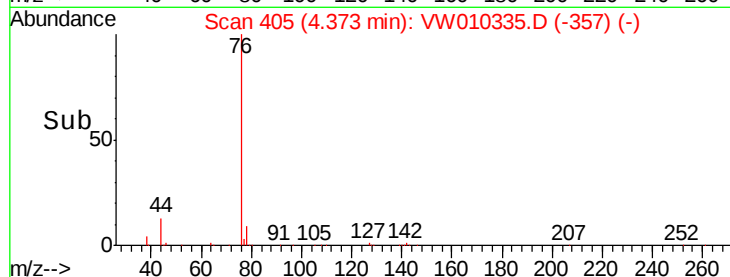
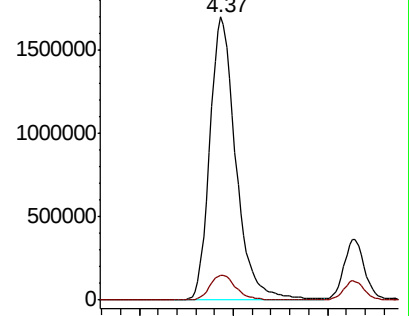
76 100

78 9.0 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 163.504 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW010335.D

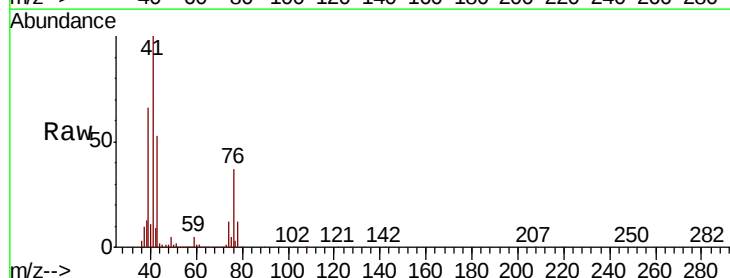
Acq: 09 May 2019 13:31

Tgt Ion: 43 Resp: 1393468

Ion Ratio Lower Upper

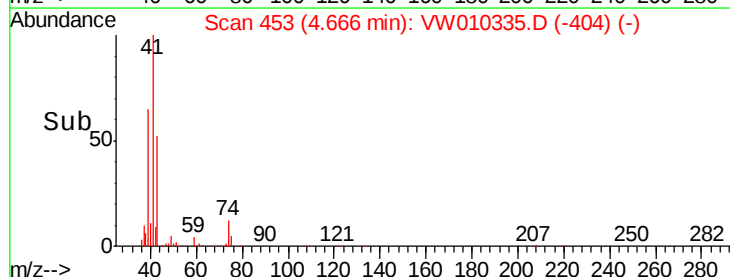
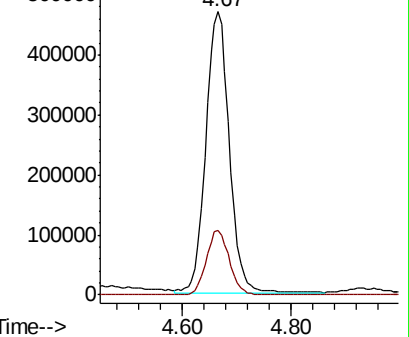
43 100

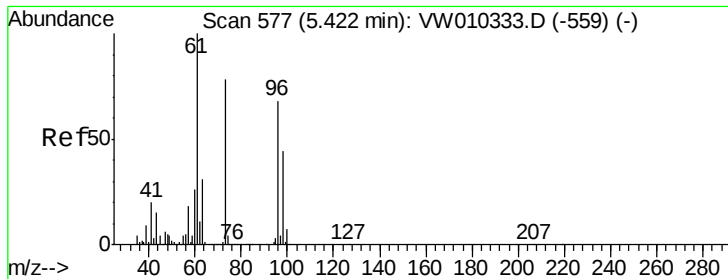
74 22.6 16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

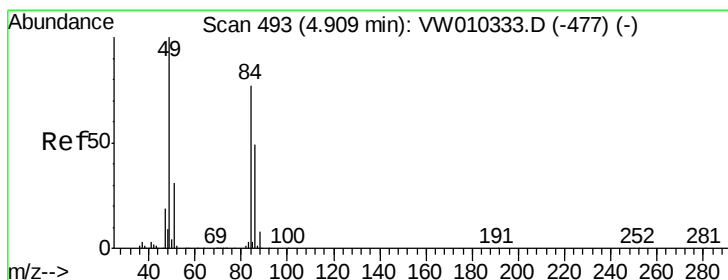
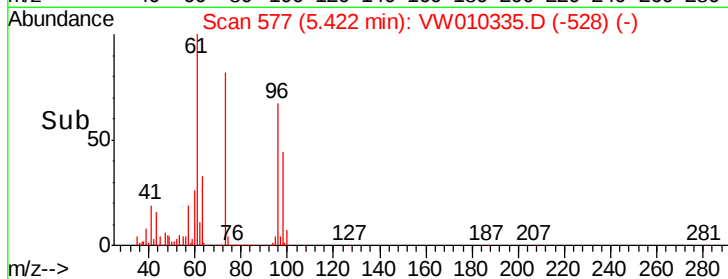
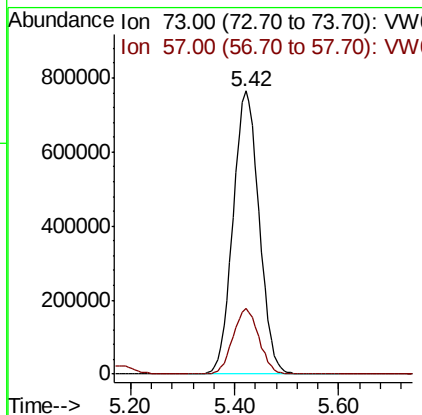
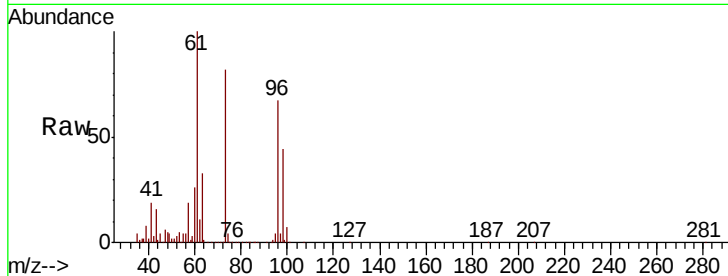




#19
Methyl tert-butyl Ether
Concen: 160.156 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW010335.D
Acq: 09 May 2019 13:31

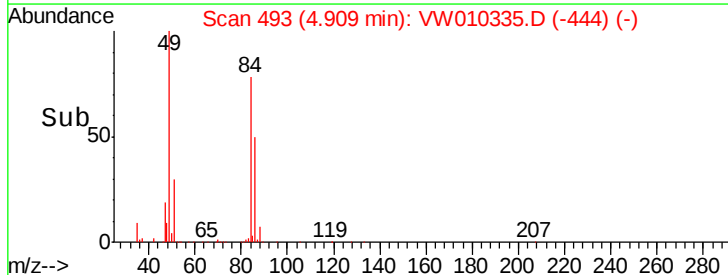
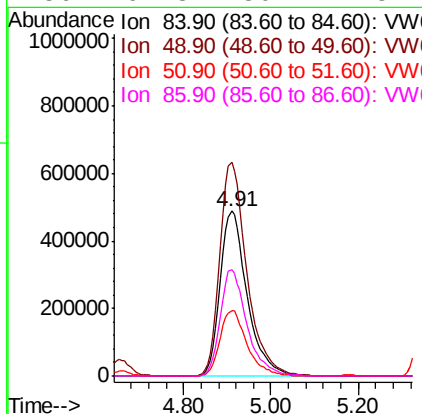
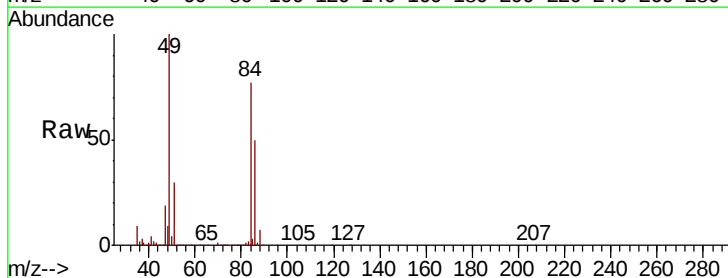
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

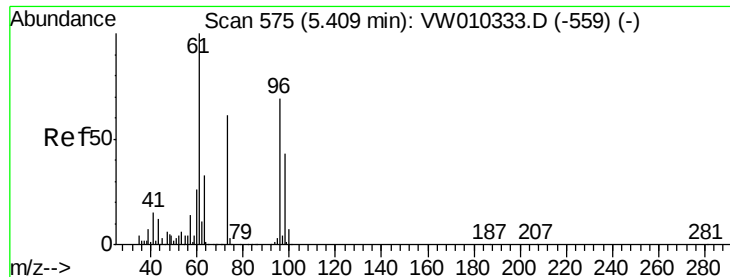
Tgt Ion: 73 Resp: 2644796
Ion Ratio Lower Upper
73 100
57 23.3 18.5 27.7



#20
Methylene Chloride
Concen: 122.864 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.00 min
Lab File: VW010335.D
Acq: 09 May 2019 13:31

Tgt Ion: 84 Resp: 2081459
Ion Ratio Lower Upper
84 100
49 129.4 112.3 168.5
51 39.2 33.9 50.9
86 64.3 50.2 75.4

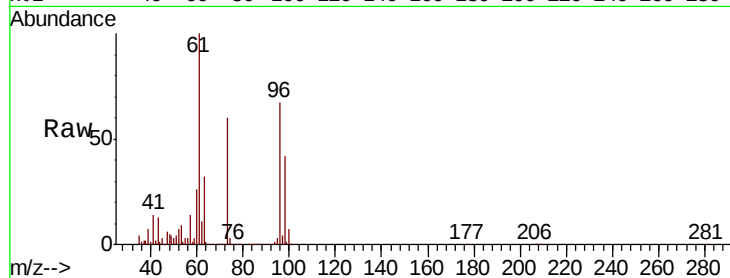




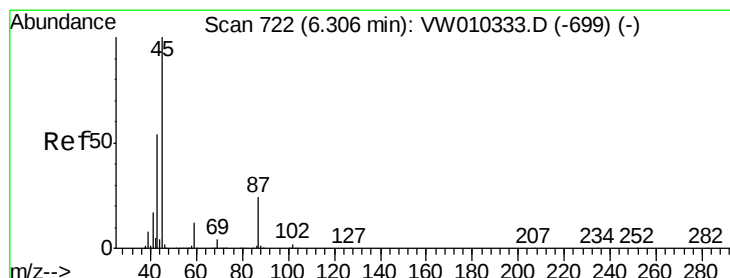
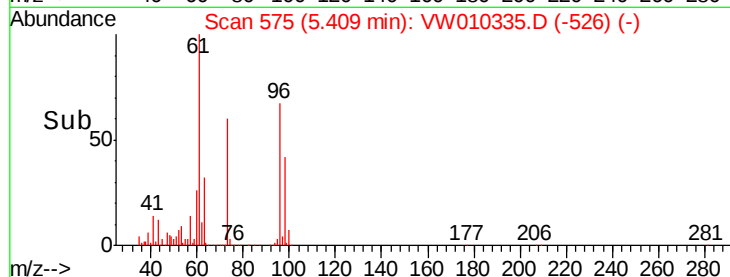
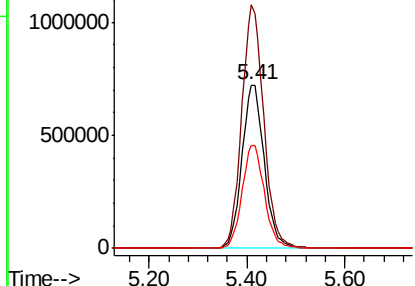
#21
trans-1,2-Dichloroethene
Concen: 165.468 ug/l
RT: 5.41 min Scan# 575
Delta R.T. -0.00 min
Lab File: VW010335.D
Acq: 09 May 2019 13:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion: 96 Resp: 2278109
Ion Ratio Lower Upper
96 100
61 148.8 122.3 183.5
98 62.5 50.5 75.7

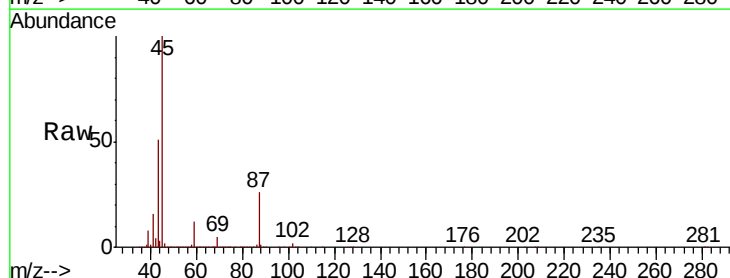


Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW

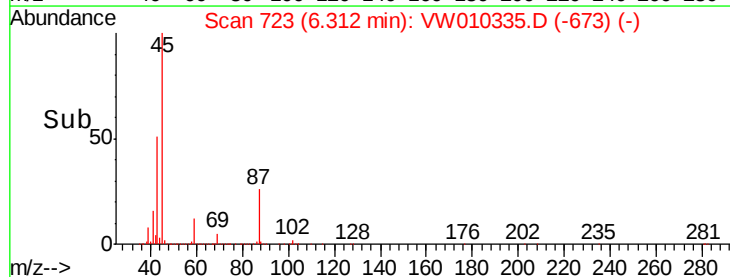
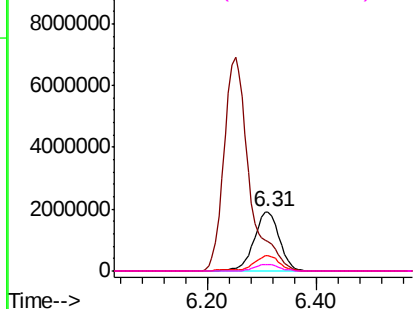


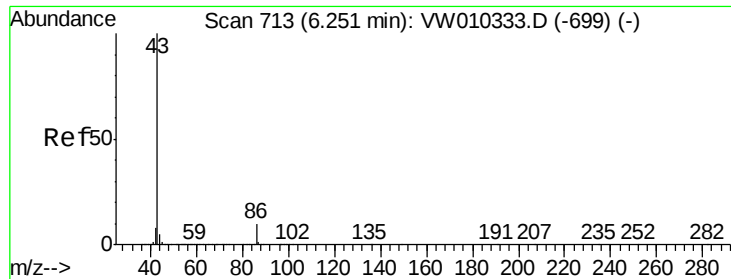
#22
Diisopropyl ether
Concen: 134.333 ug/l
RT: 6.31 min Scan# 723
Delta R.T. 0.01 min
Lab File: VW010335.D
Acq: 09 May 2019 13:31

Tgt Ion: 45 Resp: 6159164
Ion Ratio Lower Upper
45 100
43 50.7 46.1 69.1
87 25.5 18.3 27.5
59 11.7 8.2 12.4



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

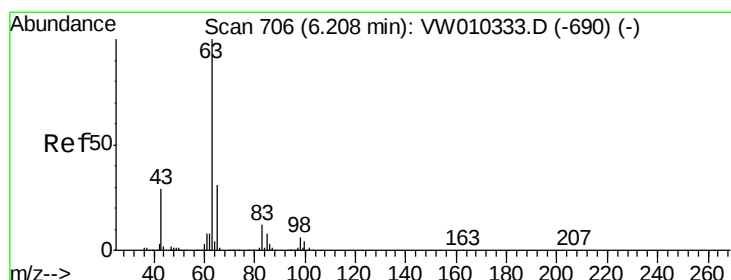
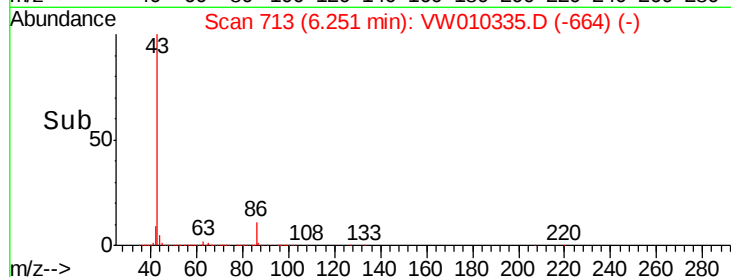
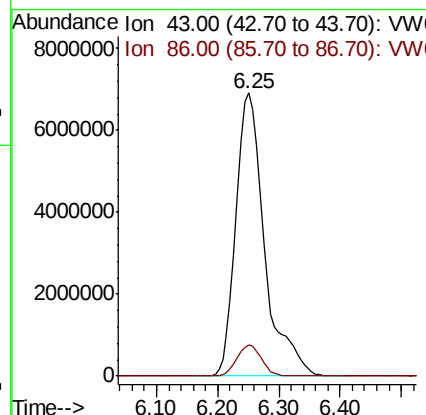
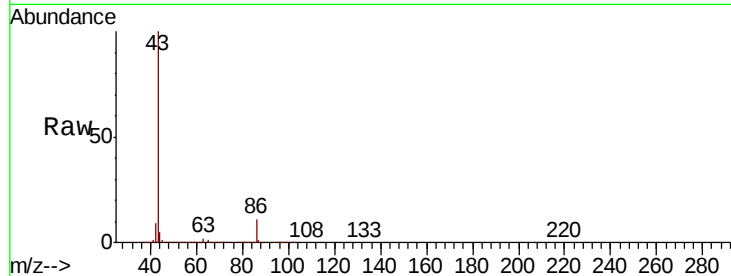




#23
 Vinyl Acetate
 Concen: 773.461 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VW010335.D
 Acq: 09 May 2019 13:31

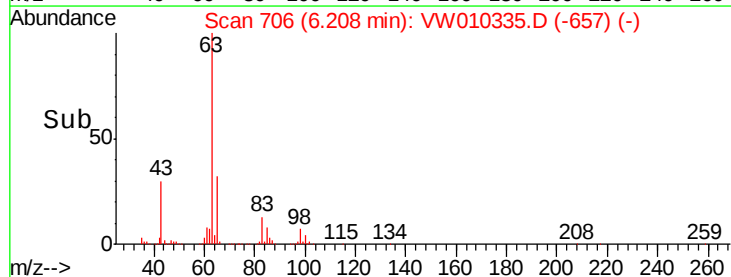
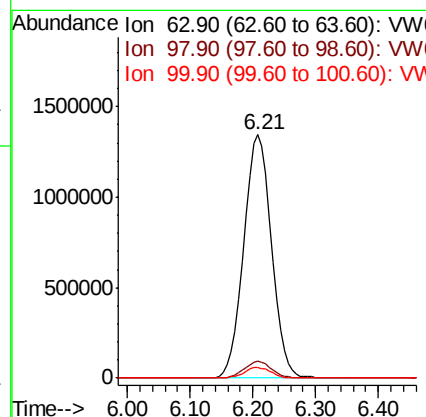
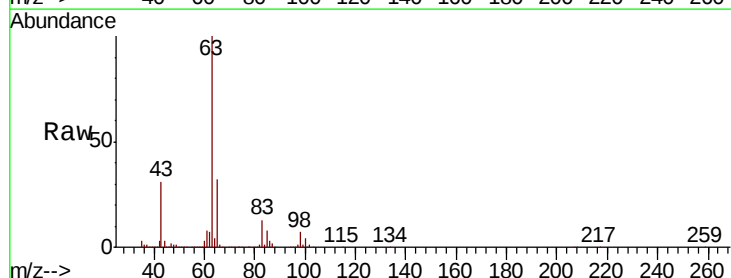
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

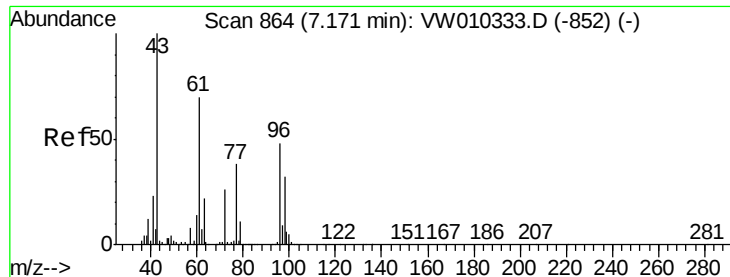
Tgt Ion: 43 Resp:22324513
 Ion Ratio Lower Upper
 43 100
 86 11.1 7.0 10.6#



#24
 1,1-Dichloroethane
 Concen: 150.171 ug/l
 RT: 6.21 min Scan# 706
 Delta R.T. -0.00 min
 Lab File: VW010335.D
 Acq: 09 May 2019 13:31

Tgt Ion: 63 Resp: 4116042
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.3 9.8
 100 4.2 2.0 6.0





#25

2-Butanone

Concen: 931.071 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010335.D

Acq: 09 May 2019 13:31

Instrument :

MSVOA_W

ClientSampleId :

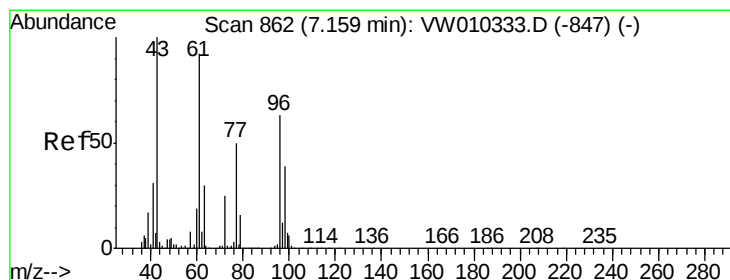
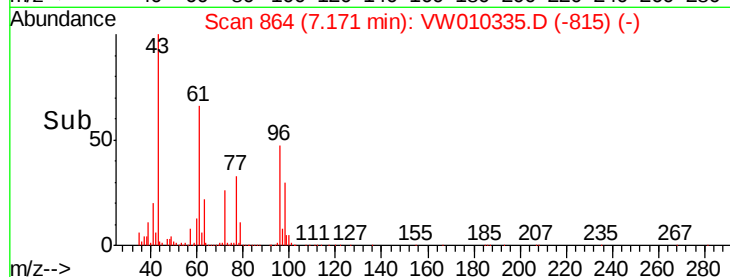
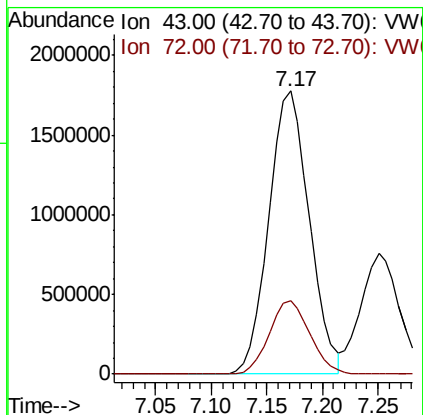
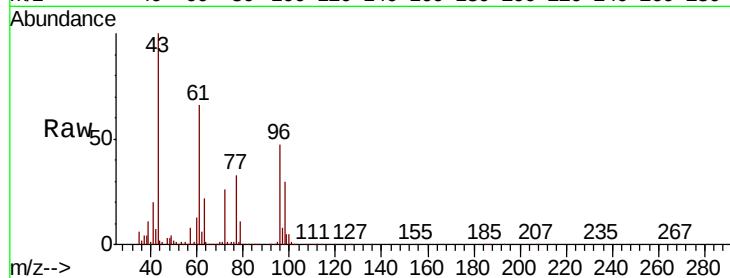
VSTDIC150

Tgt Ion: 43 Resp: 4503802

Ion Ratio Lower Upper

43 100

72 25.7 19.1 28.7



#26

2,2-Dichloropropane

Concen: 129.824 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.00 min

Lab File: VW010335.D

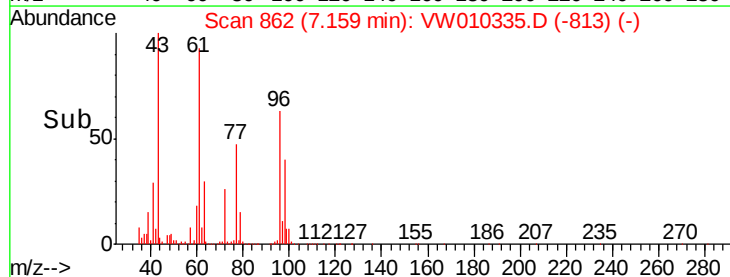
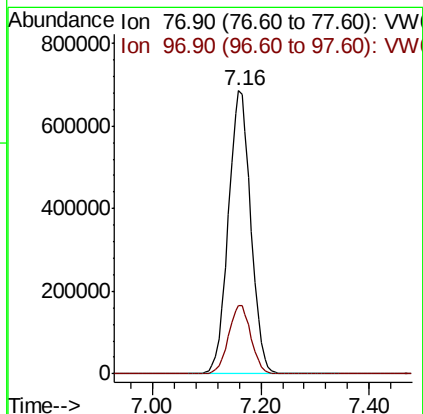
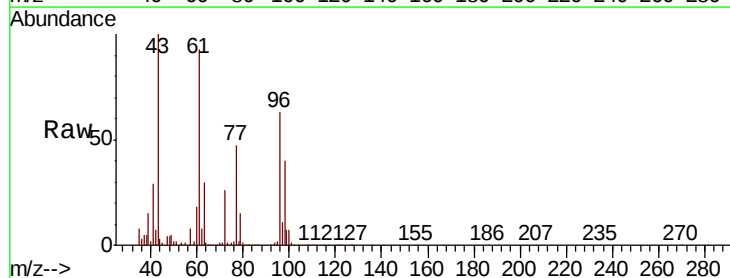
Acq: 09 May 2019 13:31

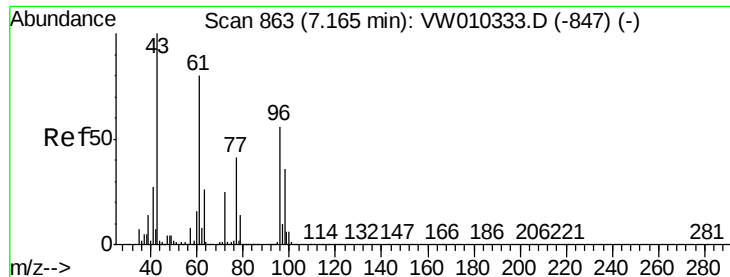
Tgt Ion: 77 Resp: 1968688

Ion Ratio Lower Upper

77 100

97 24.0 11.3 33.9



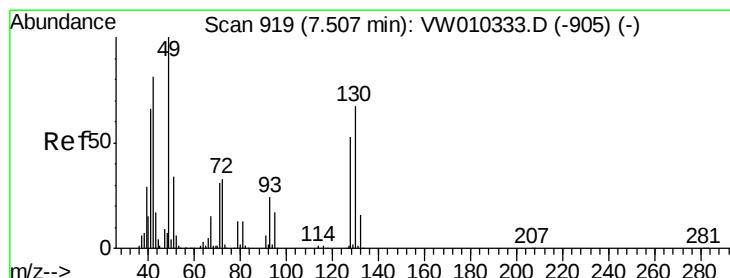
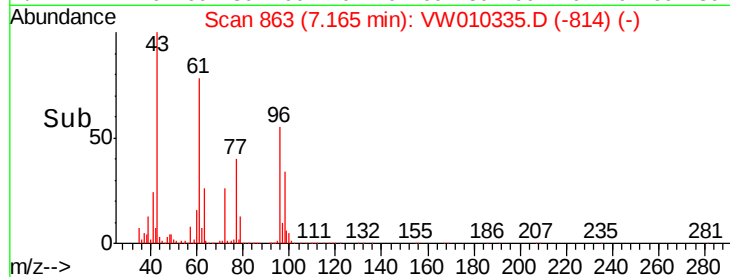
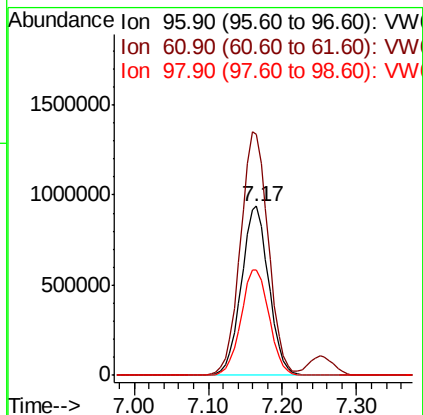
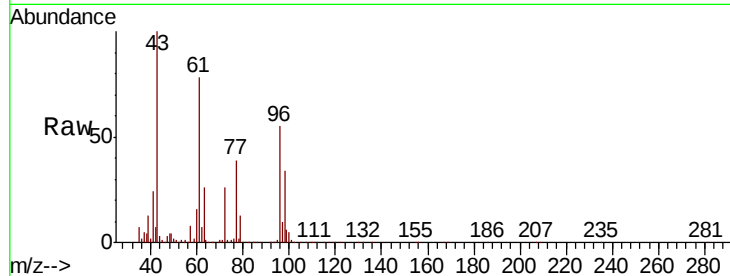


#27

cis-1,2-Dichloroethene
 Concen: 159.818 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW010335.D
 Acq: 09 May 2019 13:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

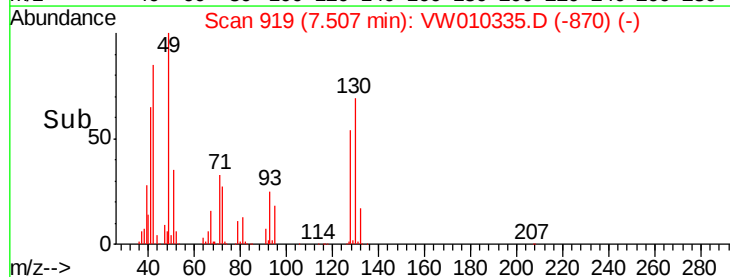
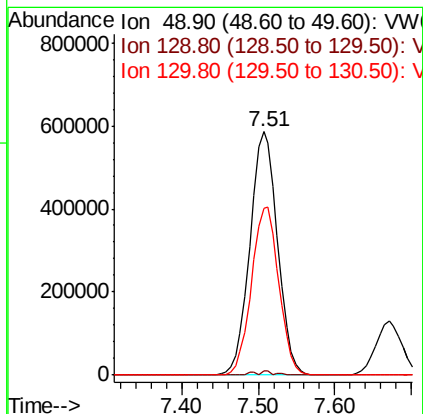
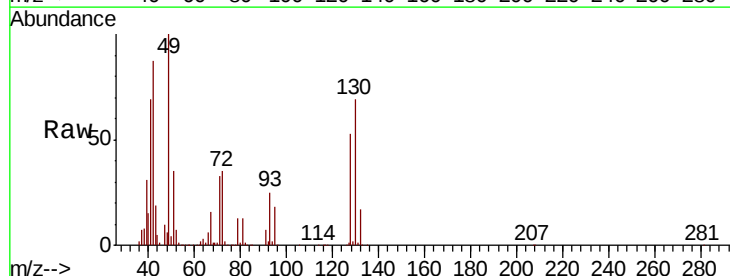
Tgt Ion: 96 Resp: 2419893
 Ion Ratio Lower Upper
 96 100
 61 146.6 0.0 309.4
 98 64.1 0.0 128.6

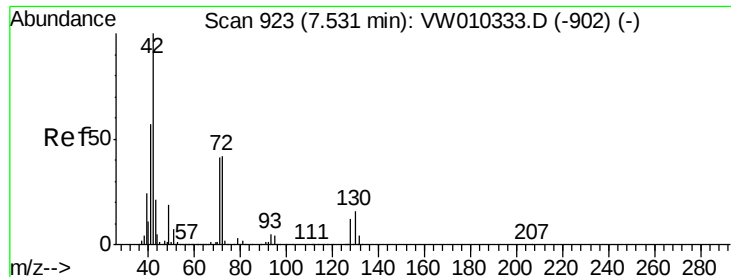


#28

Bromochloromethane
 Concen: 131.348 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VW010335.D
 Acq: 09 May 2019 13:31

Tgt Ion: 49 Resp: 1471257
 Ion Ratio Lower Upper
 49 100
 129 0.9 0.0 3.8
 130 68.7 54.6 82.0





#29

Tetrahydrofuran

Concen: 943.586 ug/l

RT: 7.52 min Scan# 922

Delta R.T. -0.01 min

Lab File: VW010335.D

Acq: 09 May 2019 13:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

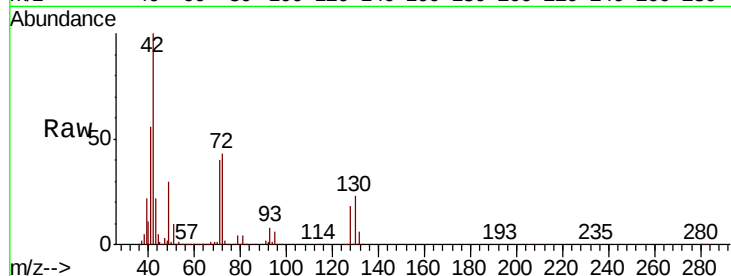
Tgt Ion: 42 Resp: 2892114

Ion Ratio Lower Upper

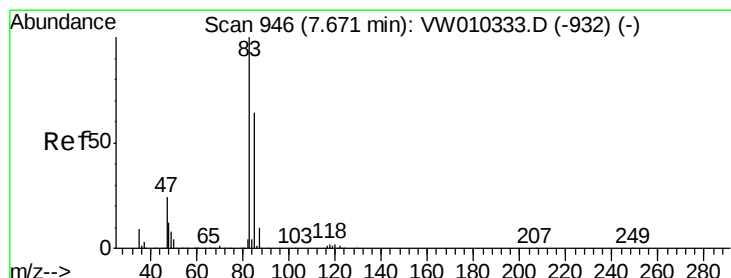
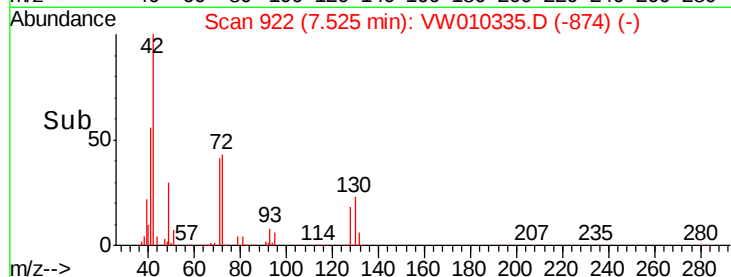
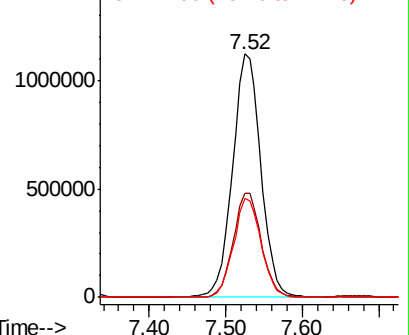
42 100

72 42.3 31.0 46.6

71 39.6 29.7 44.5



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



#30

Chloroform

Concen: 138.057 ug/l

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW010335.D

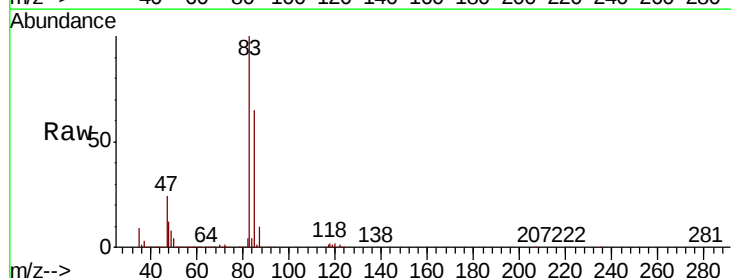
Acq: 09 May 2019 13:31

Tgt Ion: 83 Resp: 3791659

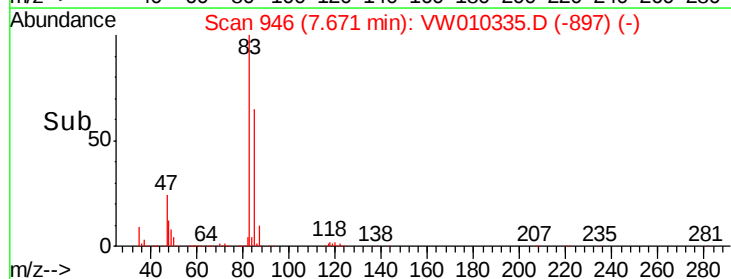
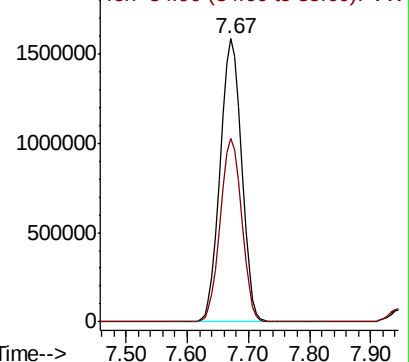
Ion Ratio Lower Upper

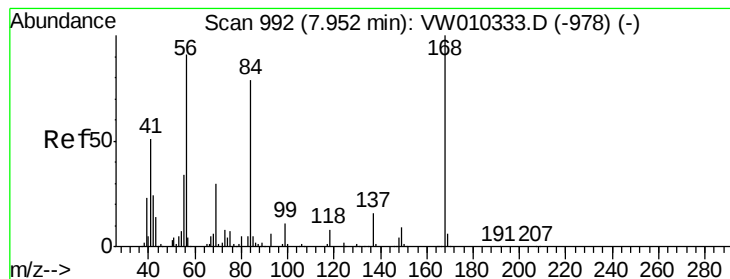
83 100

85 64.7 50.7 76.1



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





#31

Cyclohexane

Concen: 157.362 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010335.D

Acq: 09 May 2019 13:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

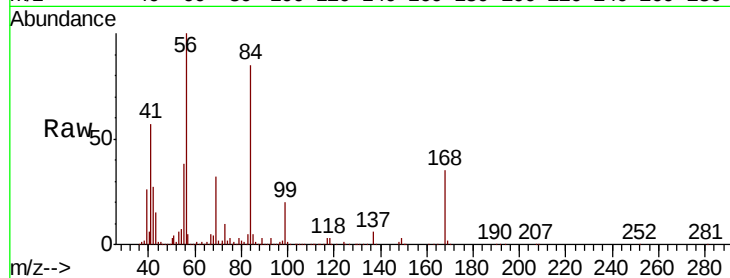
Tgt Ion: 56 Resp: 4038930

Ion Ratio Lower Upper

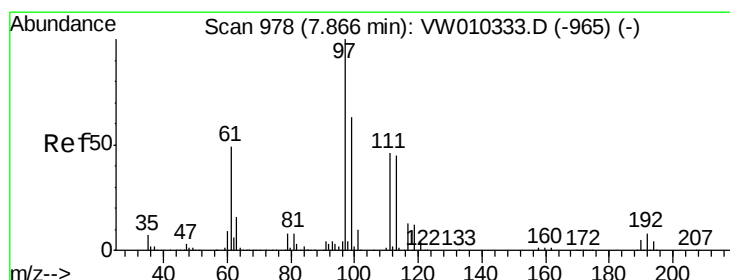
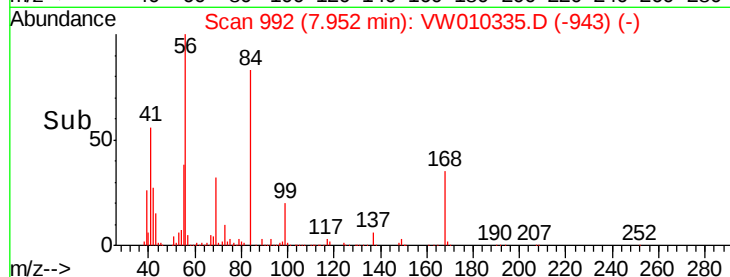
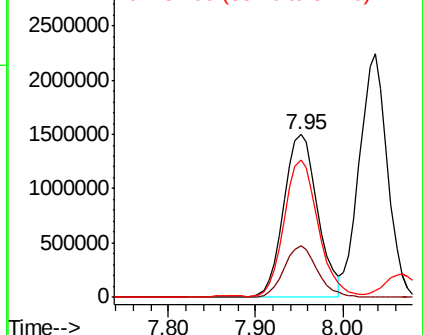
56 100

69 31.9 26.6 40.0

84 84.9 66.2 99.2



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



#32

1,1,1-Trichloroethane

Concen: 136.796 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.00 min

Lab File: VW010335.D

Acq: 09 May 2019 13:31

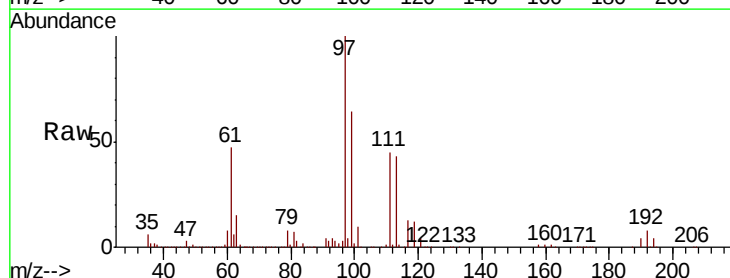
Tgt Ion: 97 Resp: 2949416

Ion Ratio Lower Upper

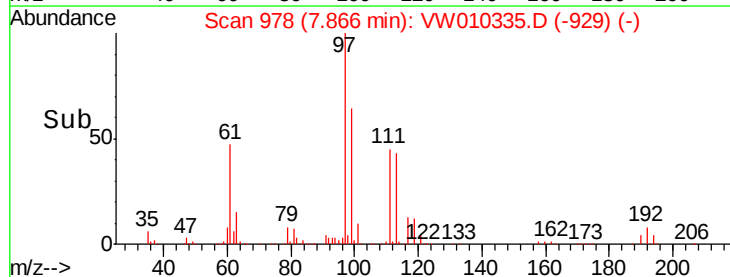
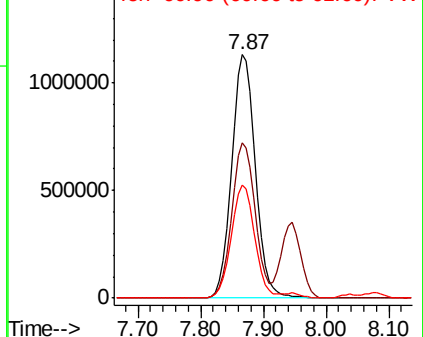
97 100

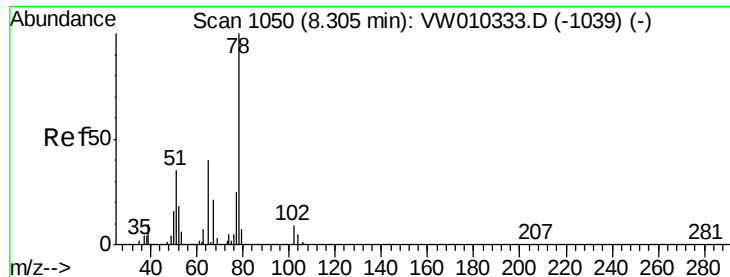
99 63.1 50.2 75.2

61 45.9 38.2 57.2



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: 129.276 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010335.D

Acq: 09 May 2019 13:31

Instrument :

MSVOA_W

ClientSampleId :

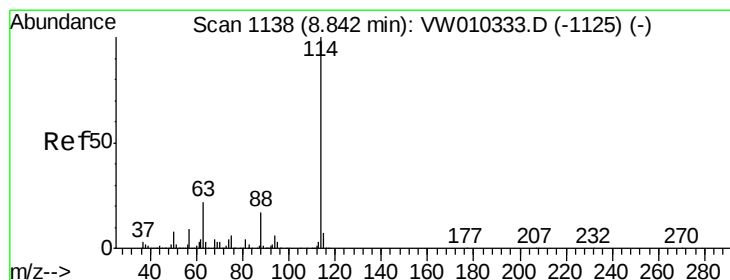
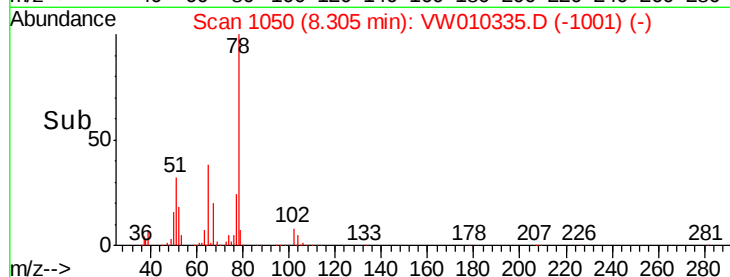
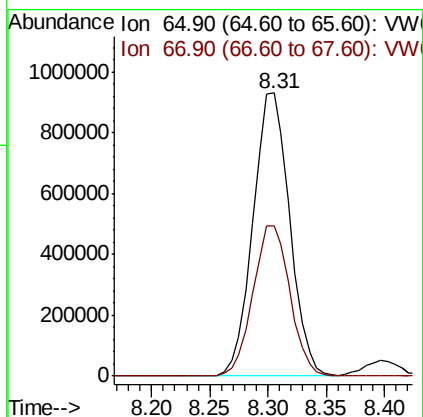
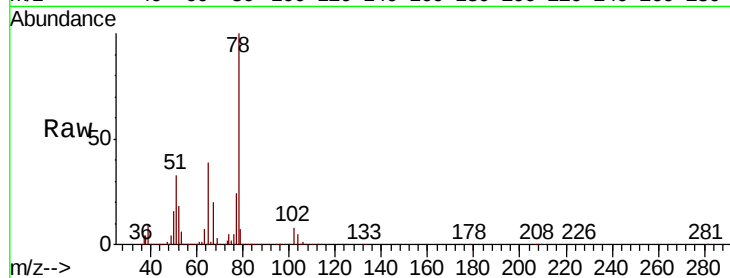
VSTDIC150

Tgt Ion: 65 Resp: 2051724

Ion Ratio Lower Upper

65 100

67 53.4 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW010335.D

Acq: 09 May 2019 13:31

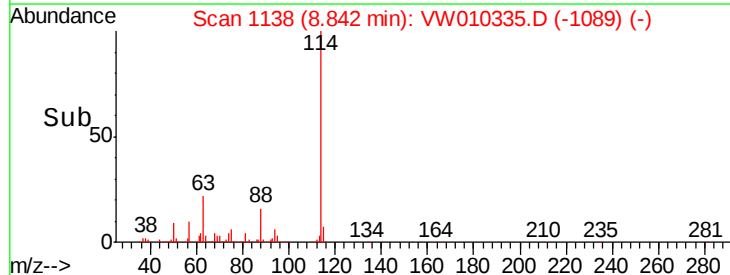
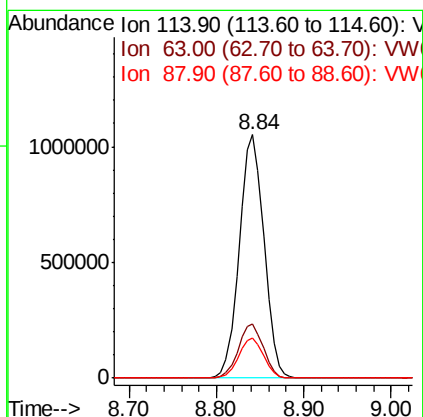
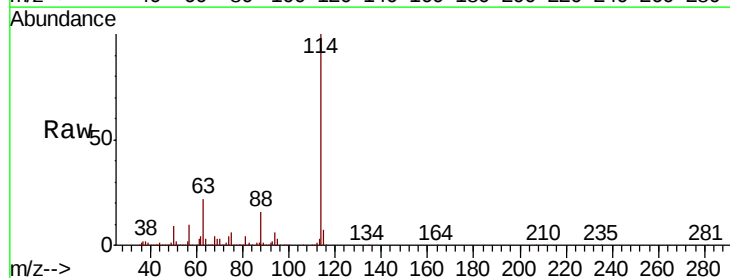
Tgt Ion: 114 Resp: 2057269

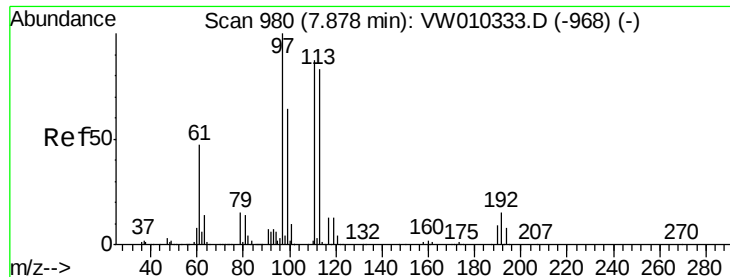
Ion Ratio Lower Upper

114 100

63 22.3 0.0 46.2

88 16.5 0.0 32.6

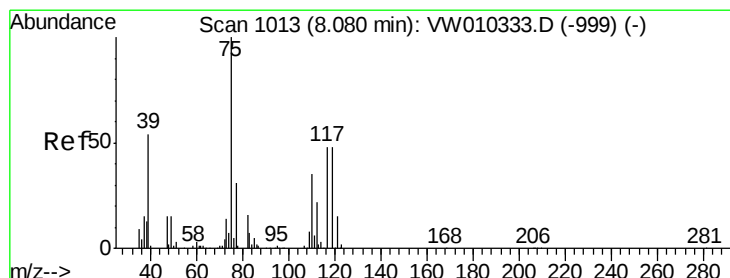
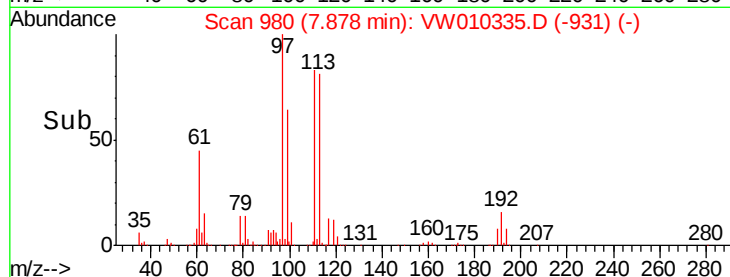
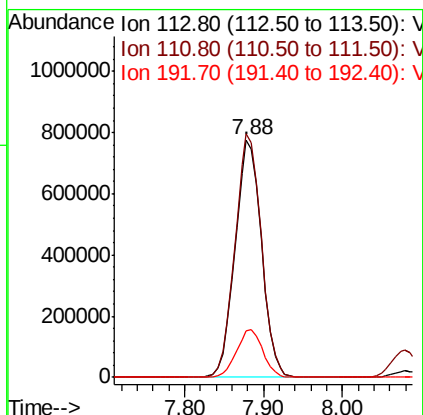
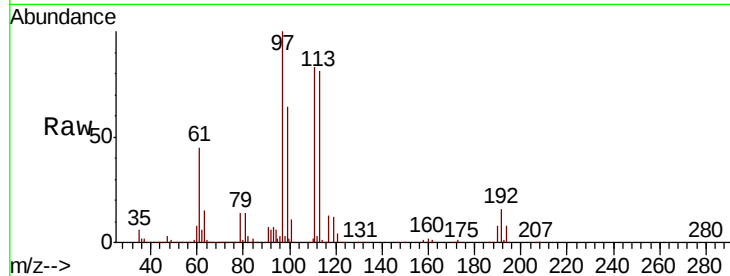




#35
 Dibromofluoromethane
 Concen: 138.106 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW010335.D
 Acq: 09 May 2019 13:31

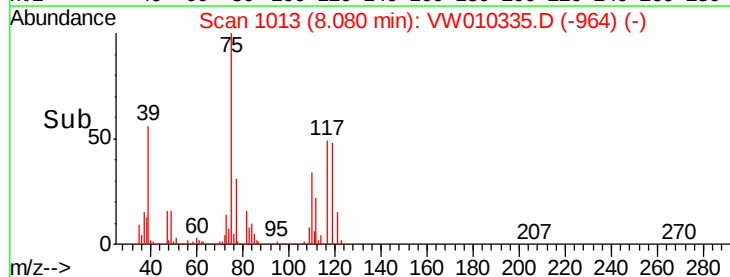
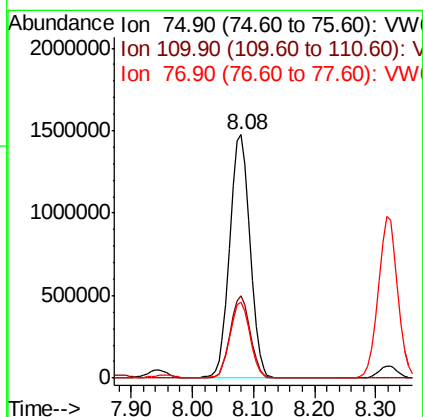
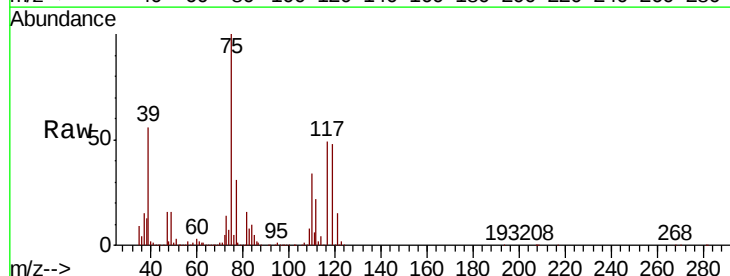
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

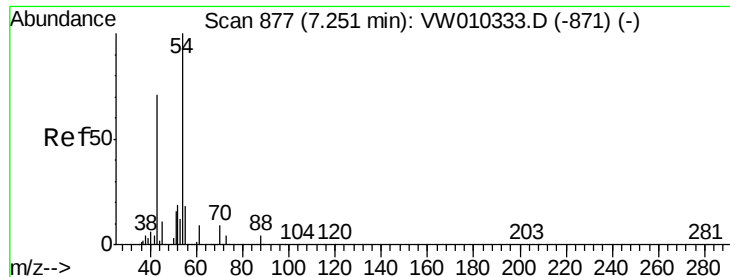
Tgt Ion: 113 Resp: 1806346
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.6 123.8
 192 20.1 15.4 23.2



#36
 1,1-Dichloropropene
 Concen: 158.822 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW010335.D
 Acq: 09 May 2019 13:31

Tgt Ion: 75 Resp: 3337579
 Ion Ratio Lower Upper
 75 100
 110 33.2 16.6 49.8
 77 31.0 24.8 37.2

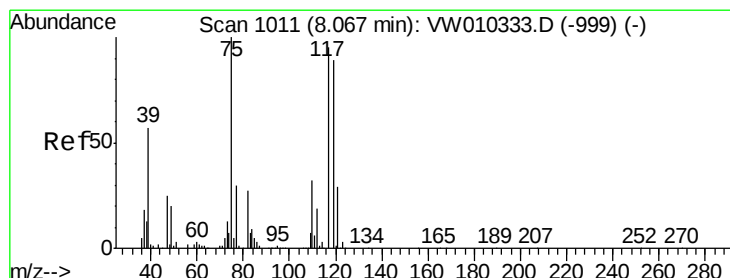
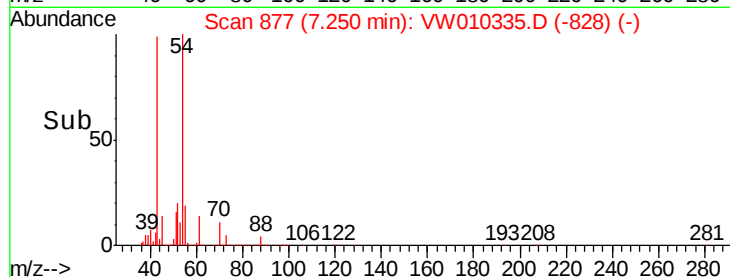
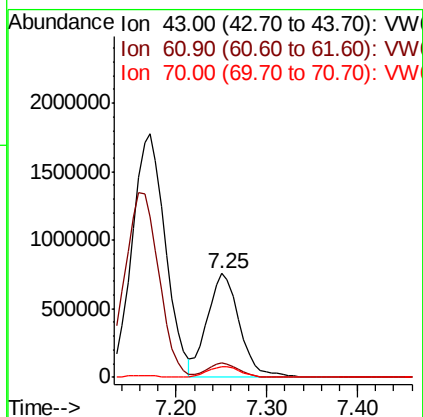
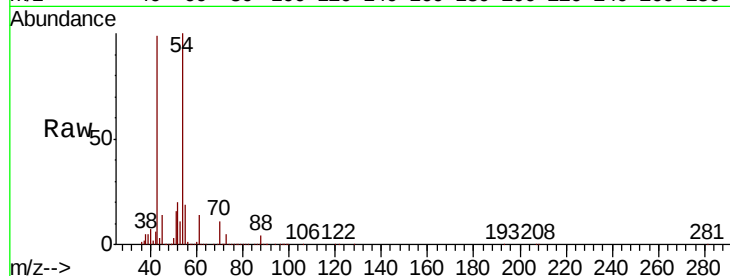




#37
Ethyl Acetate
Concen: 177.004 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW010335.D
Acq: 09 May 2019 13:31

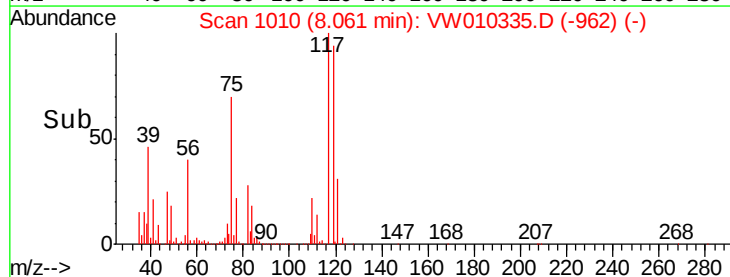
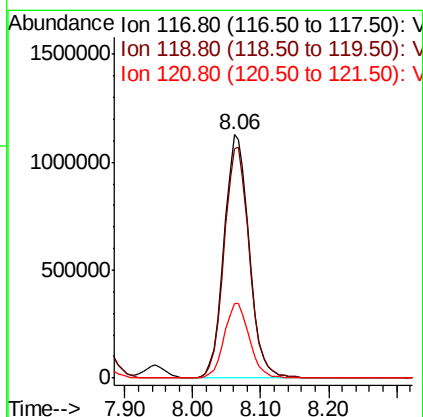
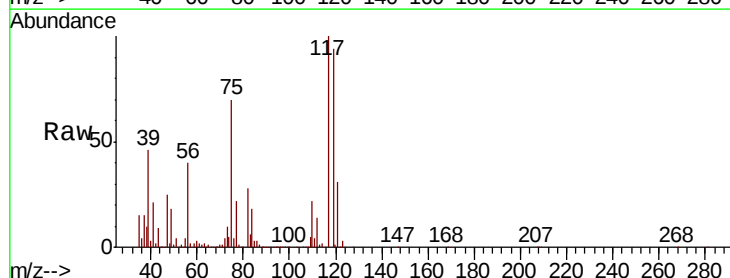
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

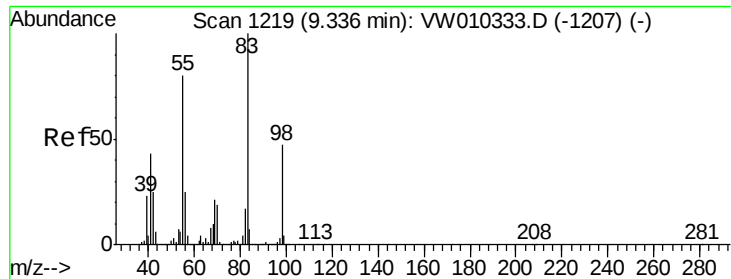
Tgt Ion: 43 Resp: 1890129
Ion Ratio Lower Upper
43 100
61 13.4 9.8 14.8
70 10.3 7.4 11.0



#38
Carbon Tetrachloride
Concen: 140.440 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW010335.D
Acq: 09 May 2019 13:31

Tgt Ion: 117 Resp: 2880358
Ion Ratio Lower Upper
117 100
119 94.2 75.3 112.9
121 30.6 24.4 36.6

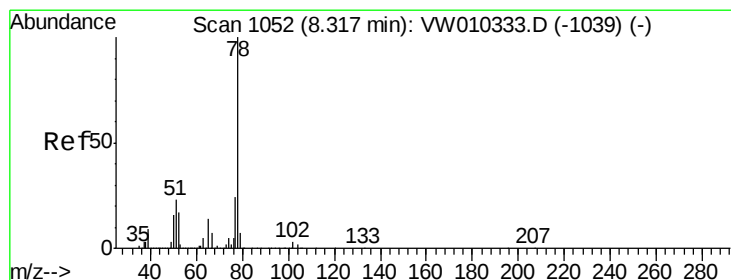
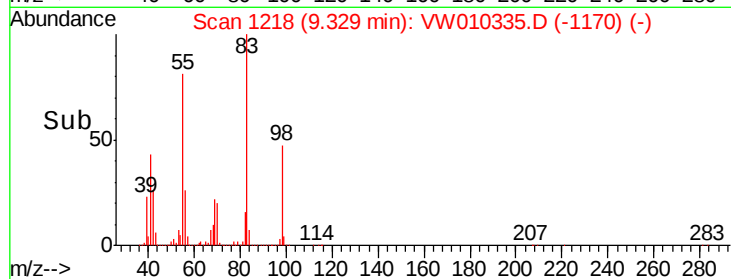
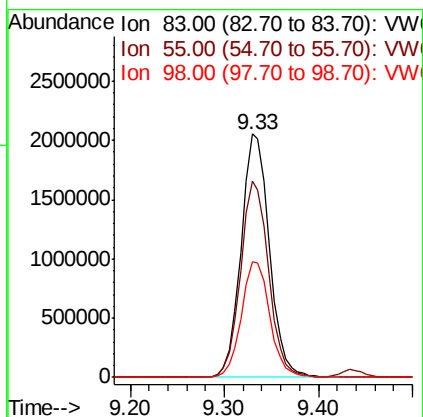
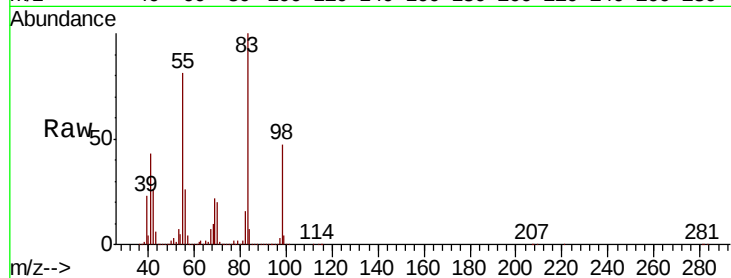




#39
Methylcyclohexane
Concen: 182.332 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW010335.D
Acq: 09 May 2019 13:31

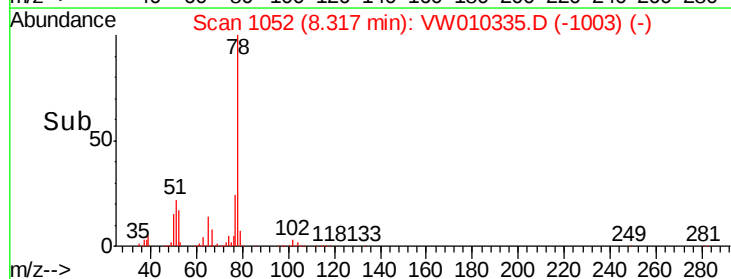
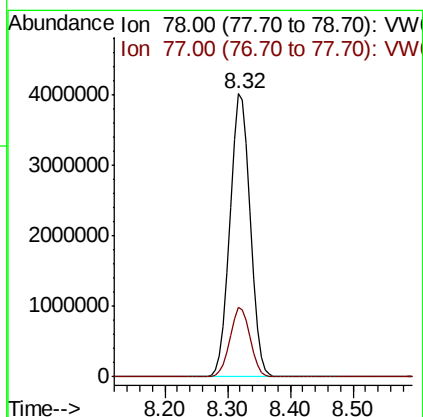
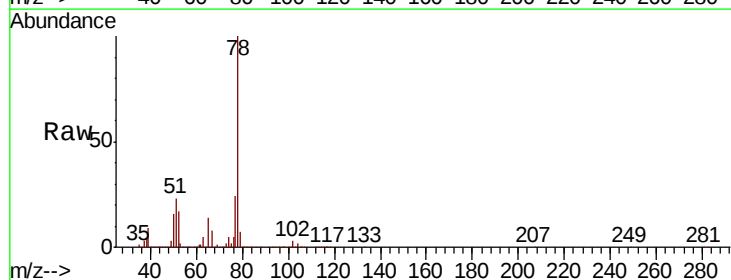
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

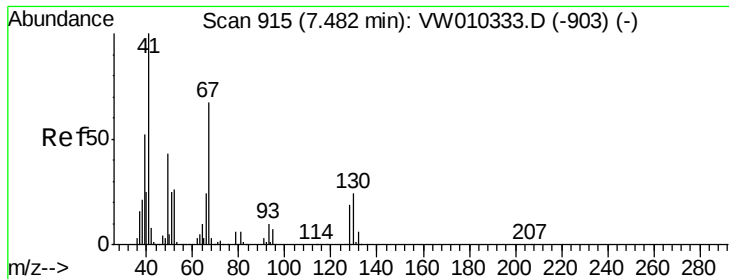
Tgt Ion: 83 Resp: 4311683
Ion Ratio Lower Upper
83 100
55 80.8 67.1 100.7
98 47.4 39.2 58.8



#40
Benzene
Concen: 156.193 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VW010335.D
Acq: 09 May 2019 13:31

Tgt Ion: 78 Resp: 8974802
Ion Ratio Lower Upper
78 100
77 24.4 19.1 28.7





#41

Methacrylonitrile

Concen: 185.995 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW010335.D

Acq: 09 May 2019 13:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tgt Ion: 41 Resp: 1131967

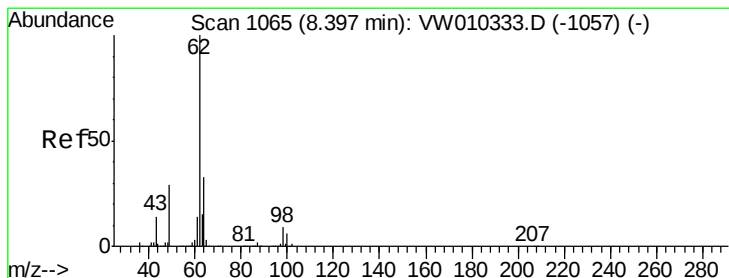
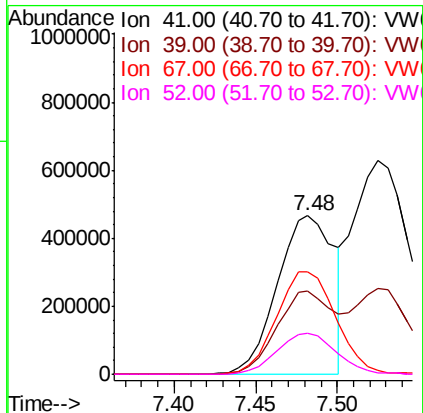
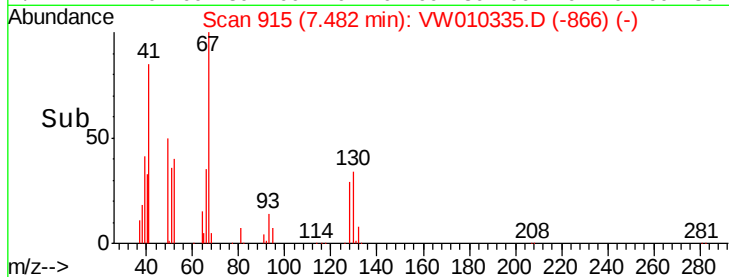
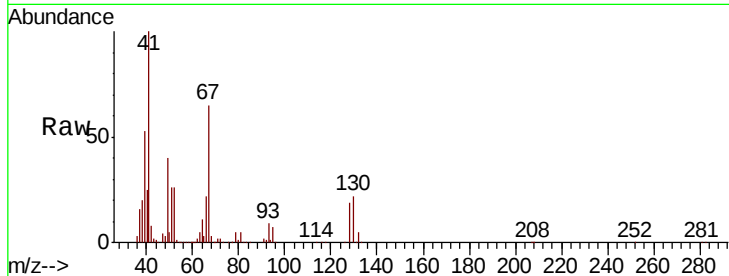
Ion Ratio Lower Upper

41 100

39 51.3 45.0 67.4

67 67.4 50.7 76.1

52 27.0 22.6 33.8



#42

1,2-Dichloroethane

Concen: 131.880 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW010335.D

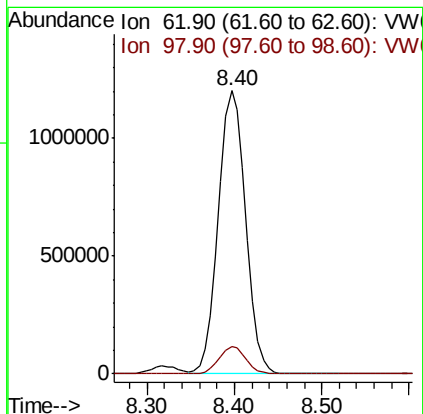
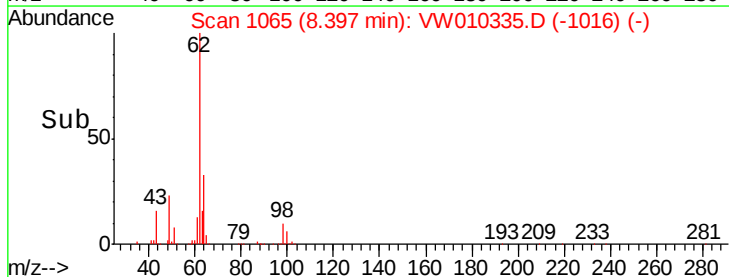
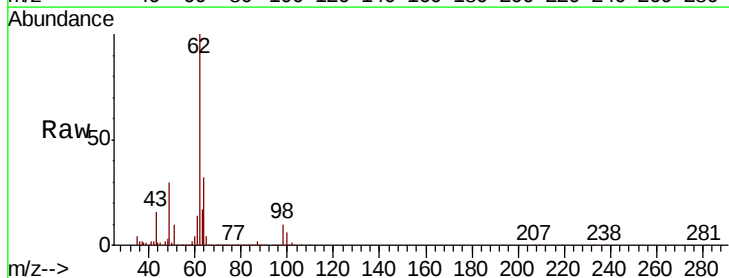
Acq: 09 May 2019 13:31

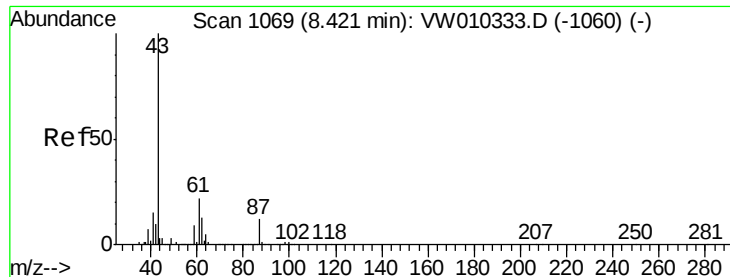
Tgt Ion: 62 Resp: 2604177

Ion Ratio Lower Upper

62 100

98 9.6 0.0 16.6





#43

Isopropyl Acetate

Concen: 164.891 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW010335.D

Acq: 09 May 2019 13:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

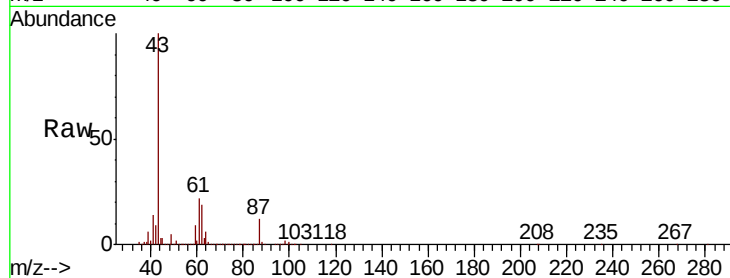
Tgt Ion: 43 Resp: 3299514

Ion Ratio Lower Upper

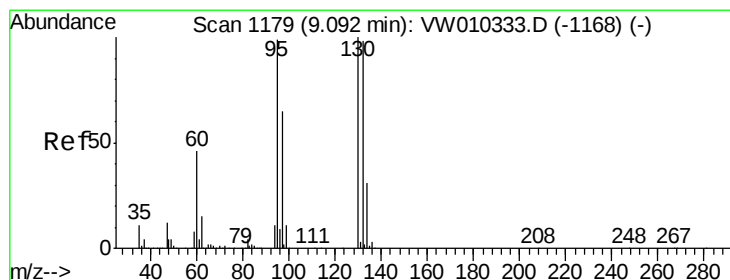
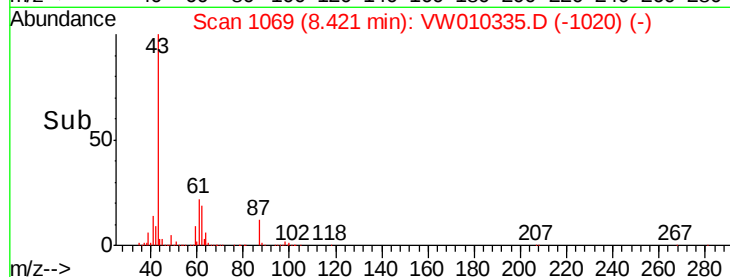
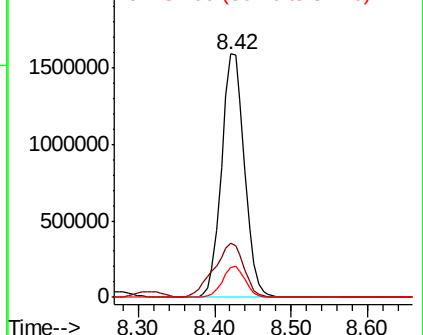
43 100

61 29.1 23.0 34.6

87 12.7 9.3 13.9



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: 157.625 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW010335.D

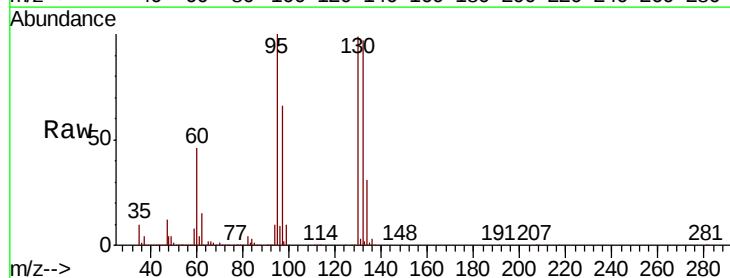
Acq: 09 May 2019 13:31

Tgt Ion: 130 Resp: 2300393

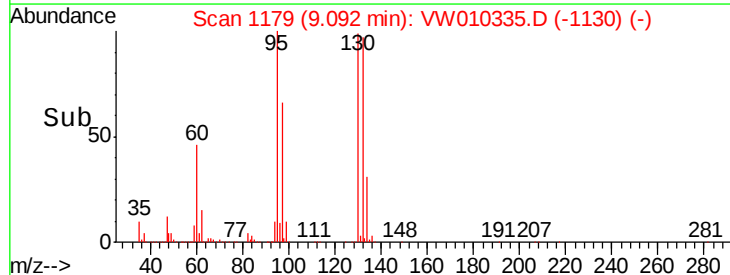
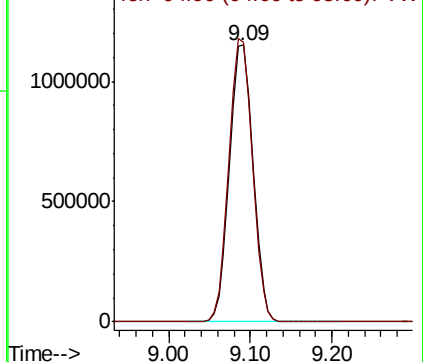
Ion Ratio Lower Upper

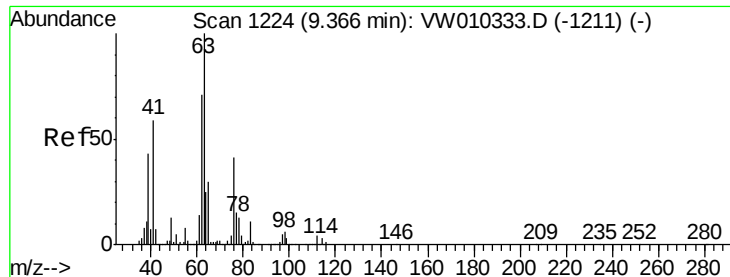
130 100

95 101.0 0.0 205.4



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





#45

1,2-Dichloropropane

Concen: 150.670 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW010335.D

Acq: 09 May 2019 13:31

Instrument :

MSVOA_W

ClientSampleId :

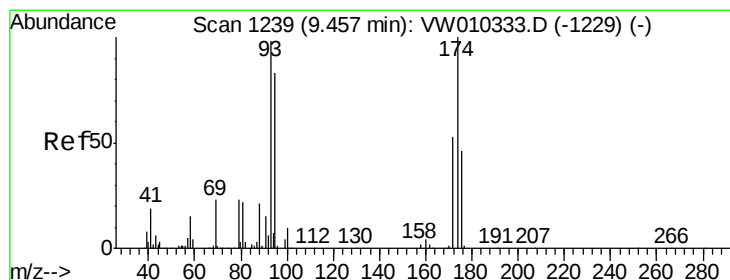
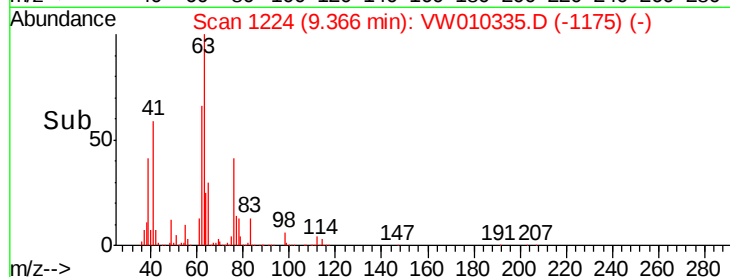
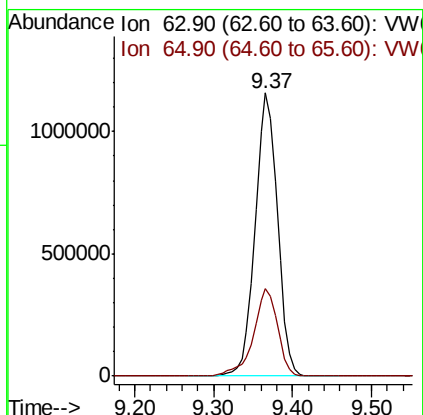
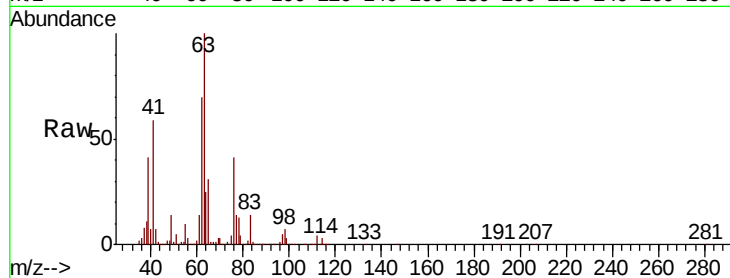
VSTDIC150

Tgt Ion: 63 Resp: 2275617

Ion Ratio Lower Upper

63 100

65 30.8 23.8 35.6



#46

Dibromomethane

Concen: 150.392 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW010335.D

Acq: 09 May 2019 13:31

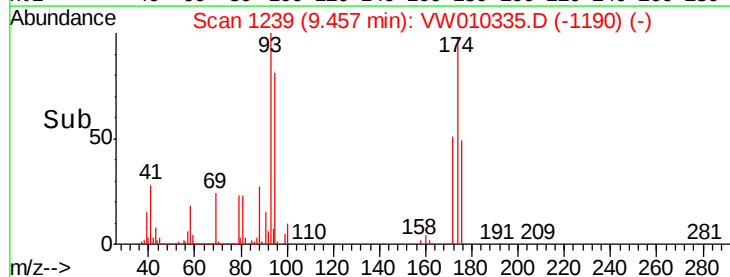
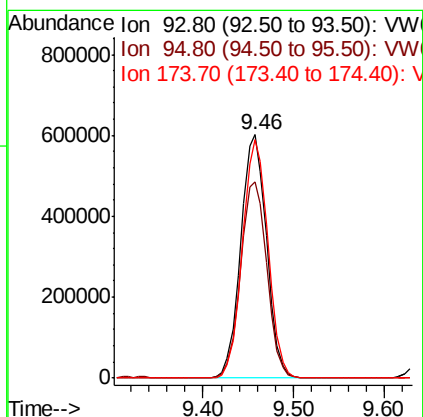
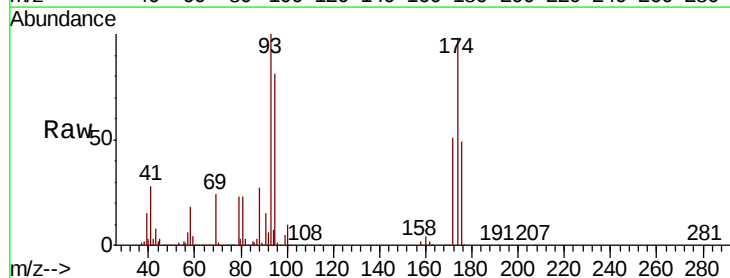
Tgt Ion: 93 Resp: 1177263

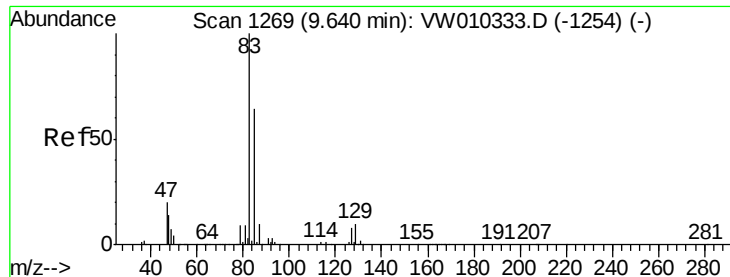
Ion Ratio Lower Upper

93 100

95 82.3 65.8 98.8

174 97.3 75.5 113.3

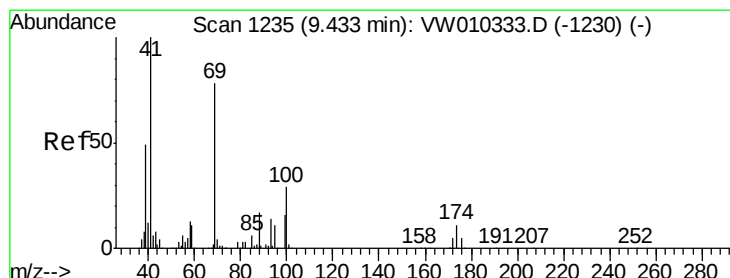
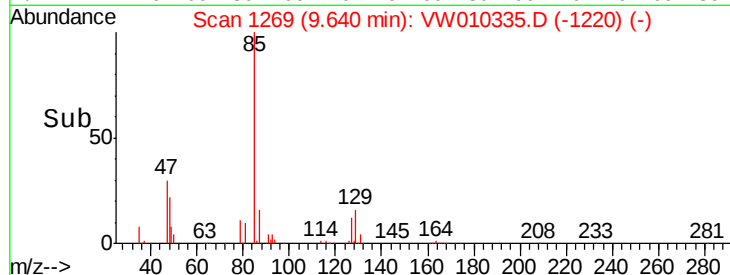
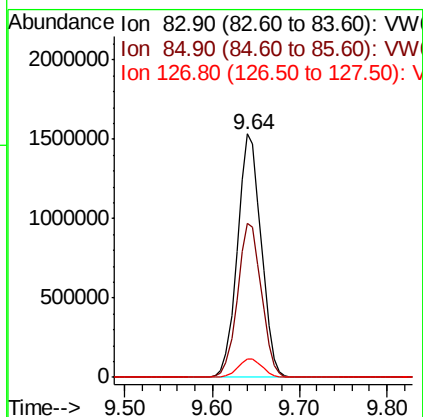
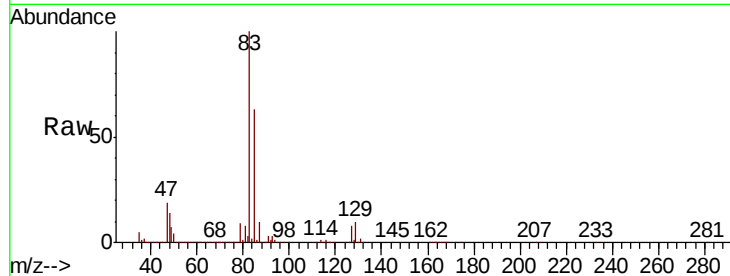




#47
 Bromodichloromethane
 Concen: 143.170 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW010335.D
 Acq: 09 May 2019 13:31

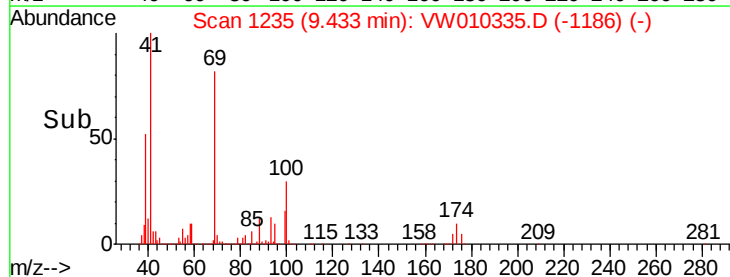
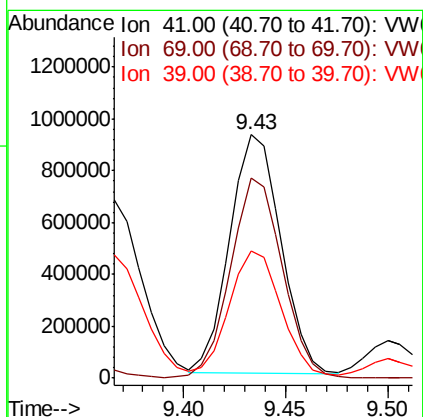
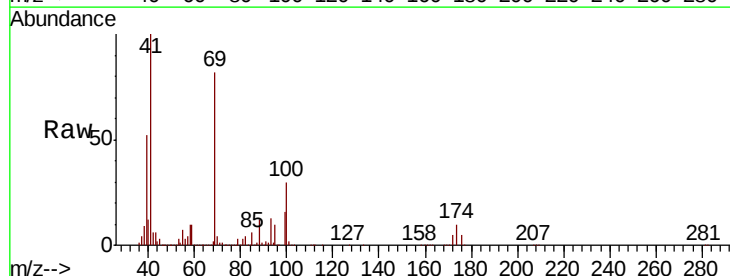
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

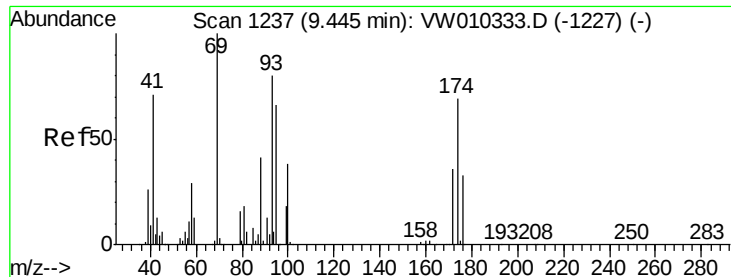
Tgt Ion: 83 Resp: 2893077
 Ion Ratio Lower Upper
 83 100
 85 63.3 50.6 75.8
 127 7.7 6.6 10.0



#48
 Methyl methacrylate
 Concen: 164.355 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. -0.00 min
 Lab File: VW010335.D
 Acq: 09 May 2019 13:31

Tgt Ion: 41 Resp: 1600908
 Ion Ratio Lower Upper
 41 100
 69 85.8 60.1 90.1
 39 52.1 51.0 76.6





#49

1,4-Dioxane

Concen: 3665.663 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VW010335.D

Acq: 09 May 2019 13:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

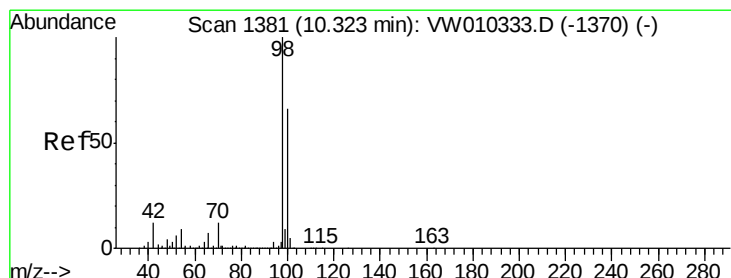
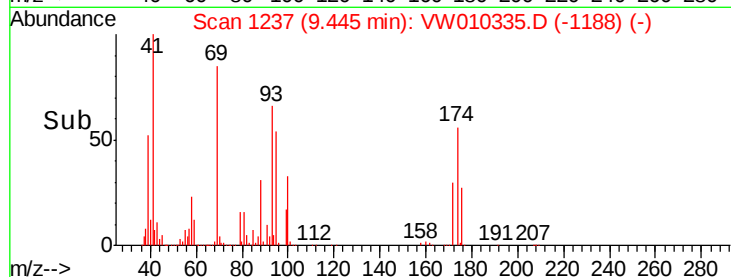
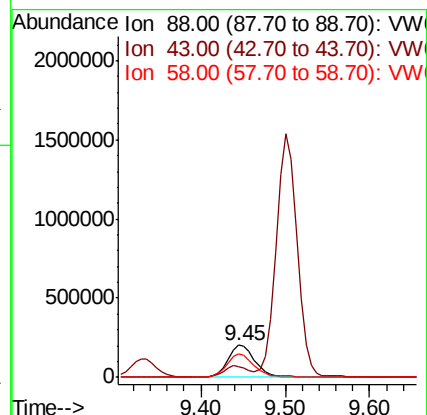
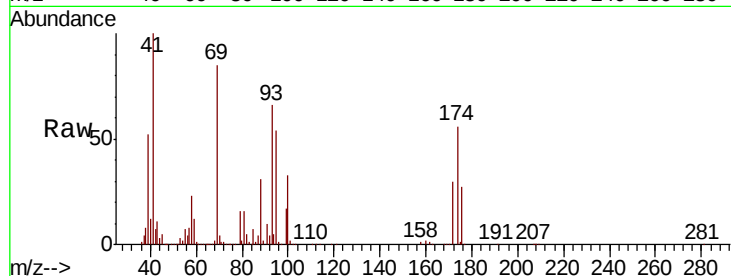
Tgt Ion: 88 Resp: 438451

Ion Ratio Lower Upper

88 100

43 33.3 31.9 47.9

58 76.3 61.8 92.6



#50

Toluene-d8

Concen: 150.135 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010335.D

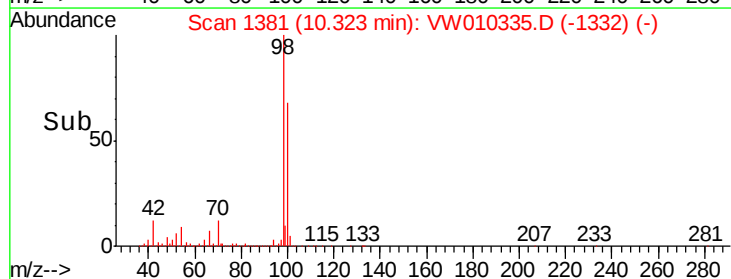
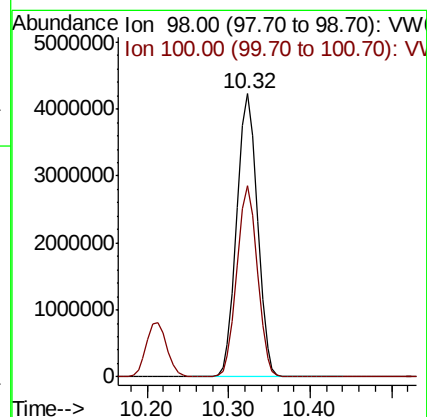
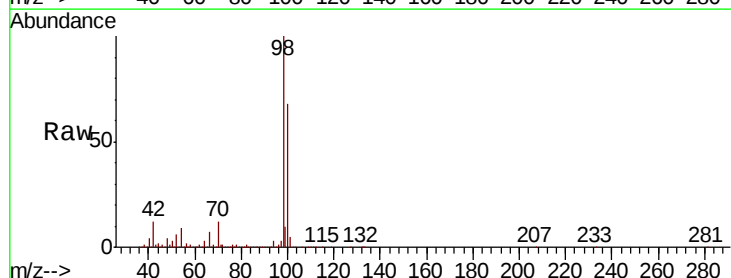
Acq: 09 May 2019 13:31

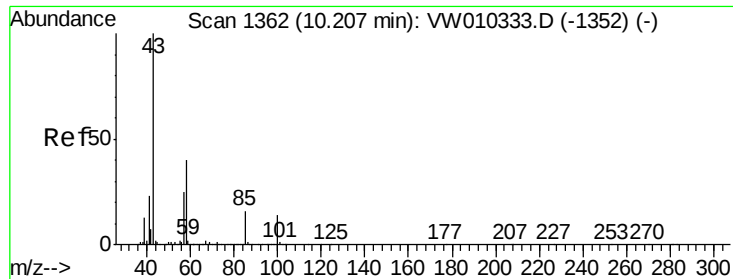
Tgt Ion: 98 Resp: 7358248

Ion Ratio Lower Upper

98 100

100 66.7 52.3 78.5





#51

4-Methyl-2-Pentanone

Concen: 868.824 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW010335.D

Acq: 09 May 2019 13:31

Instrument :

MSVOA_W

ClientSampleId :

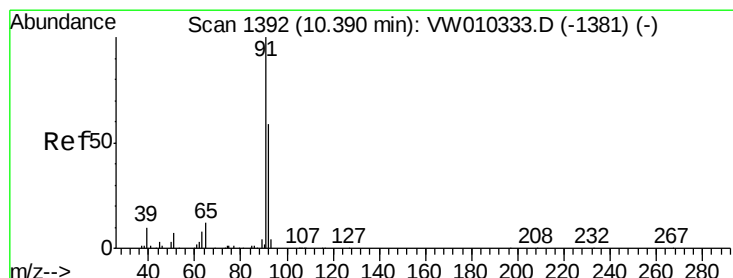
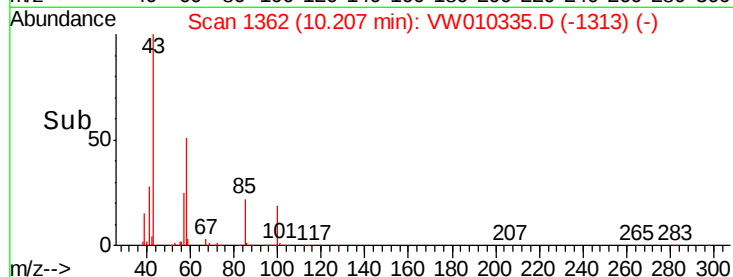
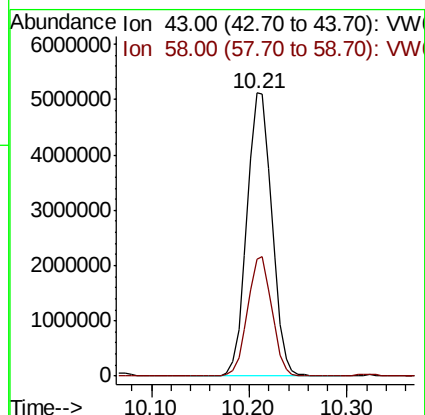
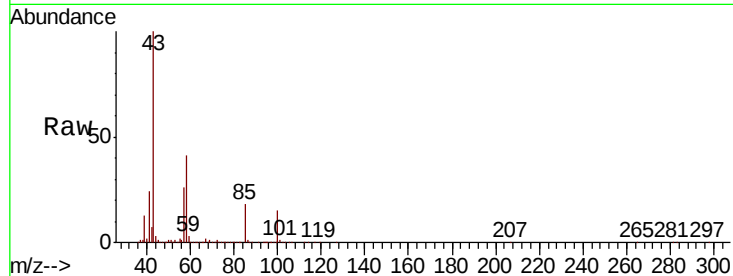
VSTDIC150

Tgt Ion: 43 Resp: 9105723

Ion Ratio Lower Upper

43 100

58 41.0 28.9 43.3



#52

Toluene

Concen: 156.466 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW010335.D

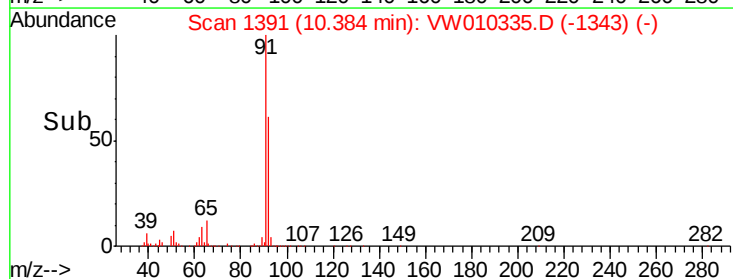
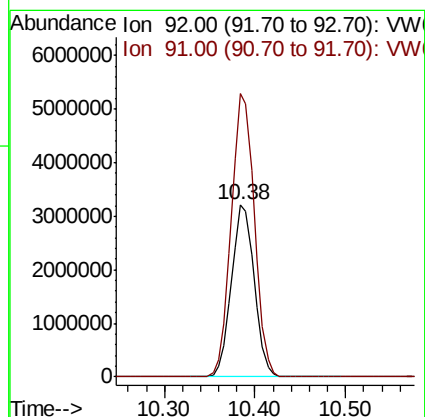
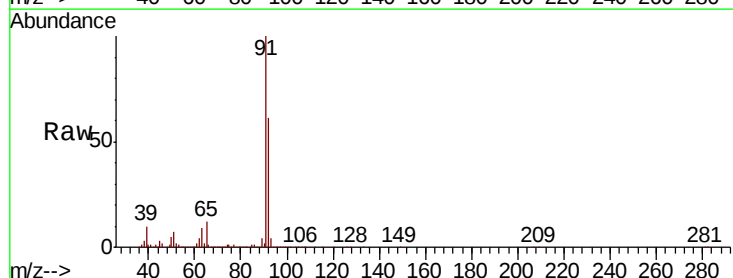
Acq: 09 May 2019 13:31

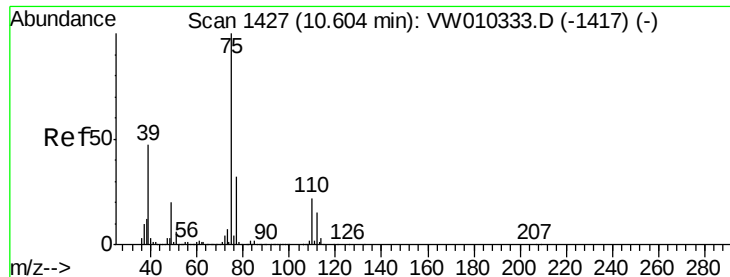
Tgt Ion: 92 Resp: 5600354

Ion Ratio Lower Upper

92 100

91 167.2 138.5 207.7





#53

t-1,3-Dichloropropene

Concen: 155.720 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW010335.D

Acq: 09 May 2019 13:31

Instrument :

MSVOA_W

ClientSampleId :

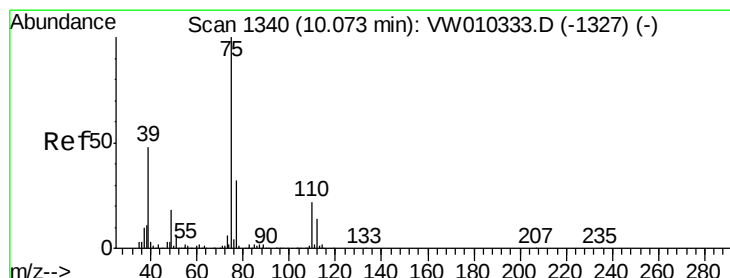
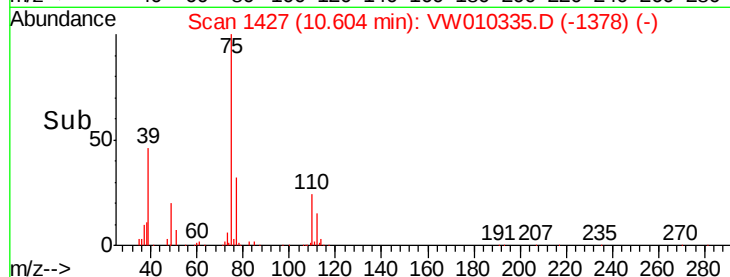
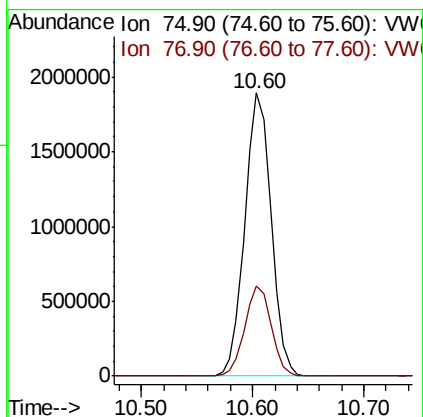
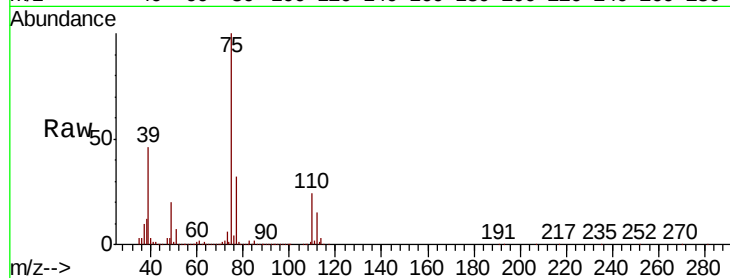
VSTDIC150

Tgt Ion: 75 Resp: 3119771

Ion Ratio Lower Upper

75 100

77 32.0 26.9 40.3



#54

cis-1,3-Dichloropropene

Concen: 158.305 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW010335.D

Acq: 09 May 2019 13:31

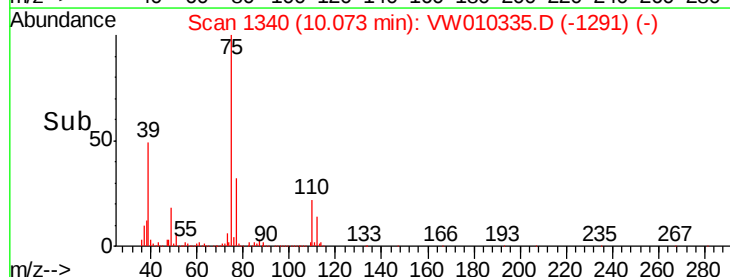
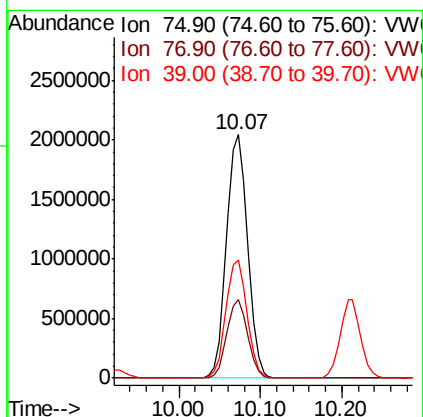
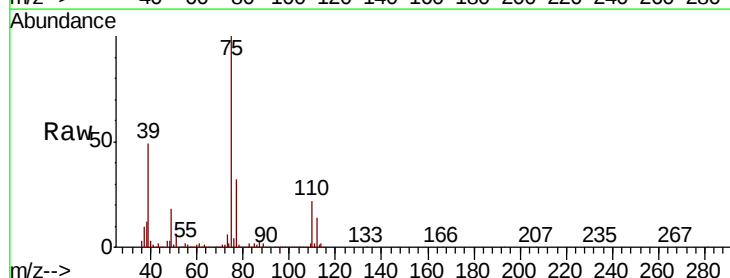
Tgt Ion: 75 Resp: 3621485

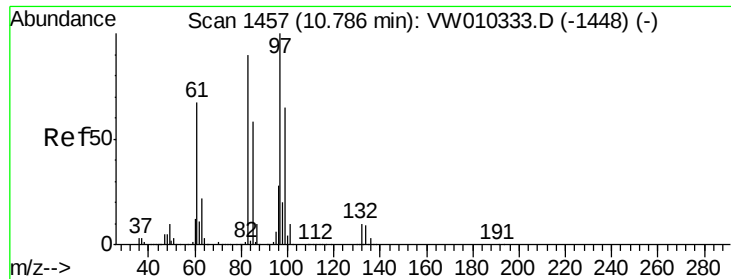
Ion Ratio Lower Upper

75 100

77 32.1 25.6 38.4

39 48.7 47.8 71.6



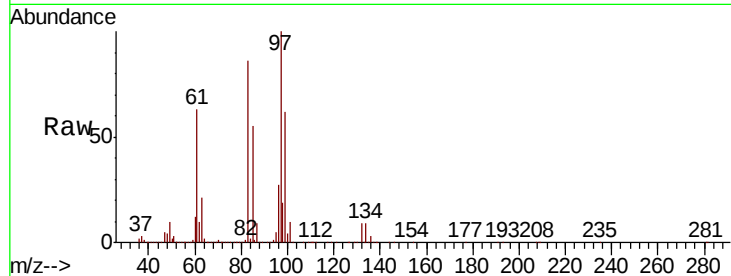


#55
 1,1,2-Trichloroethane
 Concen: 153.006 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW010335.D
 Acq: 09 May 2019 13:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tgt Ion: 97 Resp: 1671717

Ion	Ratio	Lower	Upper
97	100		
83	86.0	68.9	103.3
85	55.3	42.9	64.3
99	62.1	48.6	72.8



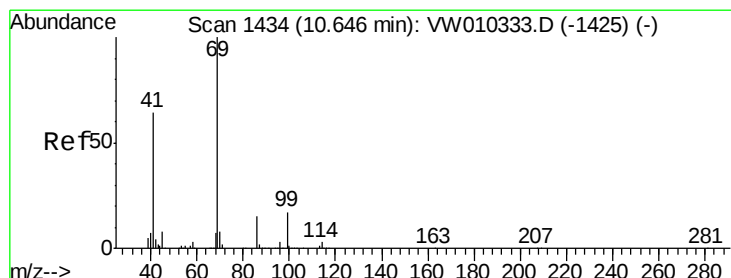
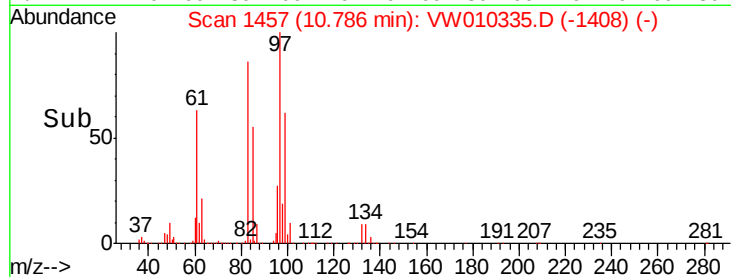
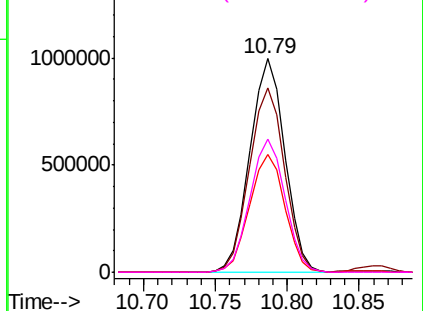
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

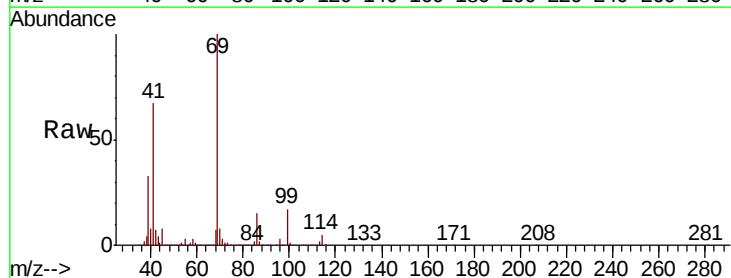
Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 189.173 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW010335.D
 Acq: 09 May 2019 13:31

Tgt Ion: 69 Resp: 2569466

Ion	Ratio	Lower	Upper
69	100		
41	68.4	61.0	91.6
39	31.2	33.8	50.6#

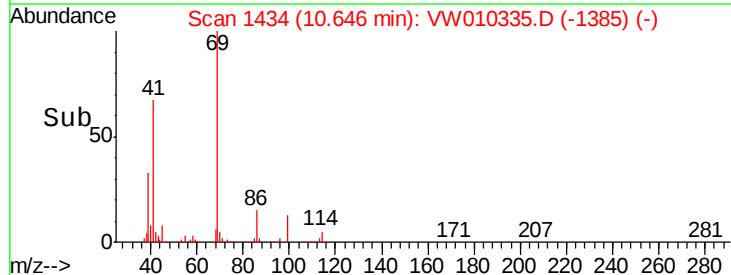
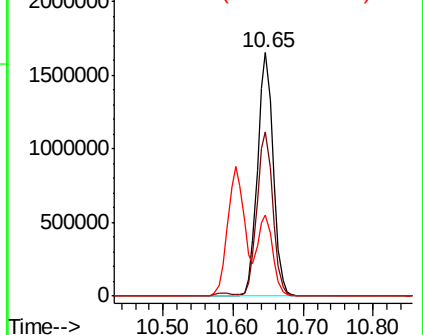


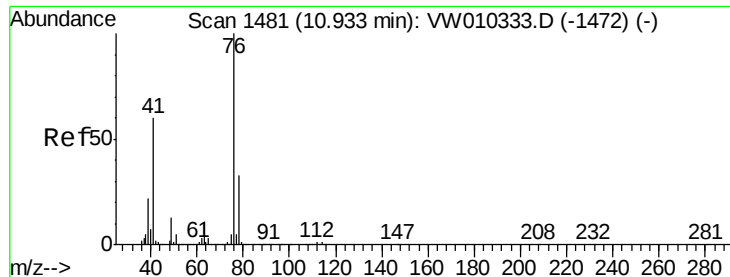
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 155.151 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW010335.D

Acq: 09 May 2019 13:31

Instrument :

MSVOA_W

ClientSampleId :

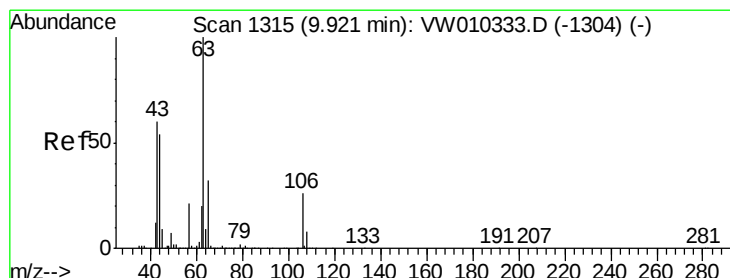
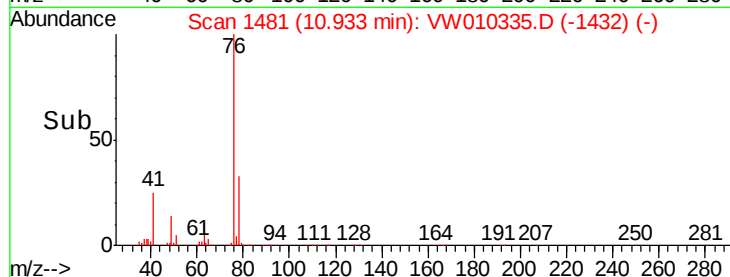
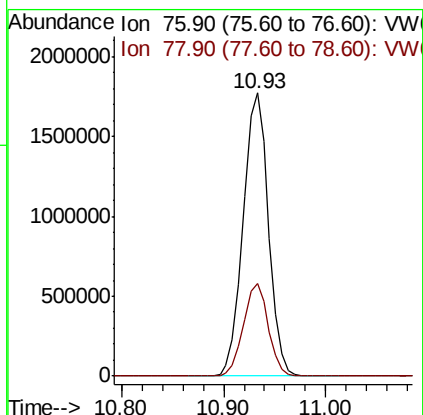
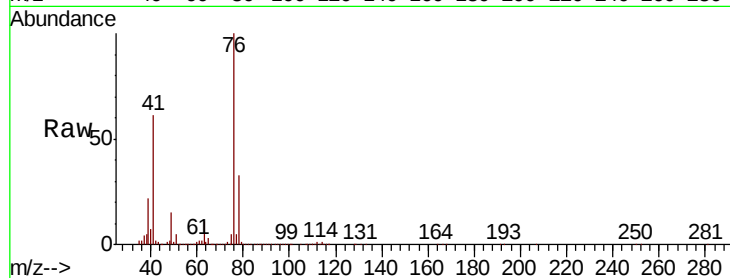
VSTDIC150

Tgt Ion: 76 Resp: 3038327

Ion Ratio Lower Upper

76 100

78 32.3 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 954.072 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW010335.D

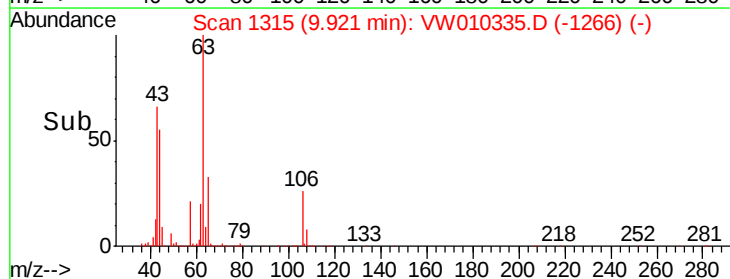
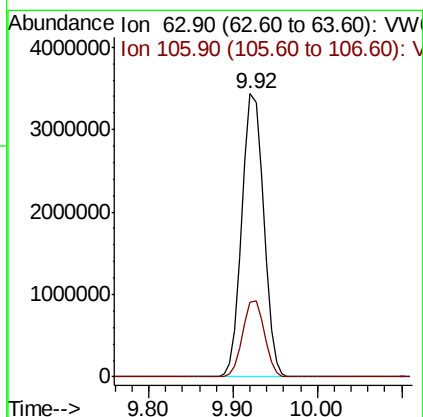
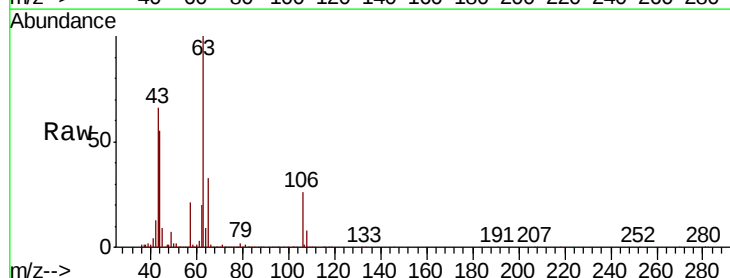
Acq: 09 May 2019 13:31

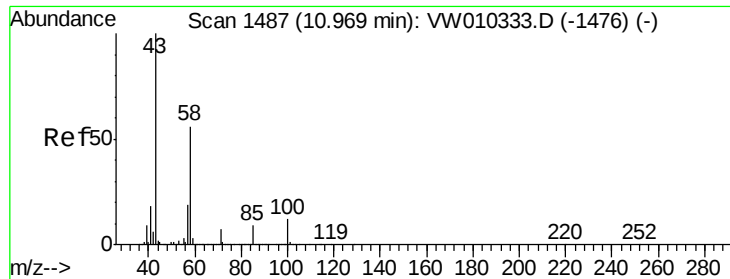
Tgt Ion: 63 Resp: 5967824

Ion Ratio Lower Upper

63 100

106 27.0 21.4 32.0





#59

2-Hexanone

Concen: 917.919 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW010335.D

Acq: 09 May 2019 13:31

Instrument :

MSVOA_W

ClientSampleId :

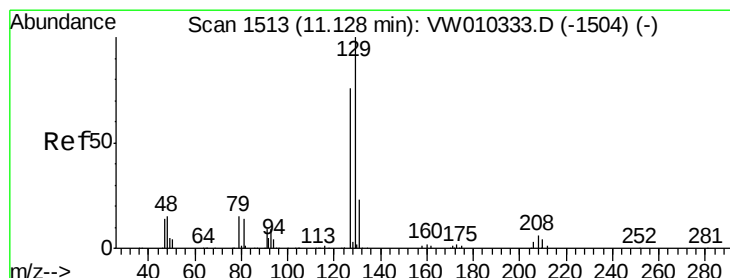
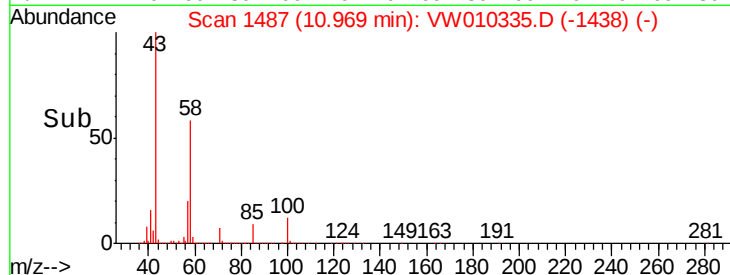
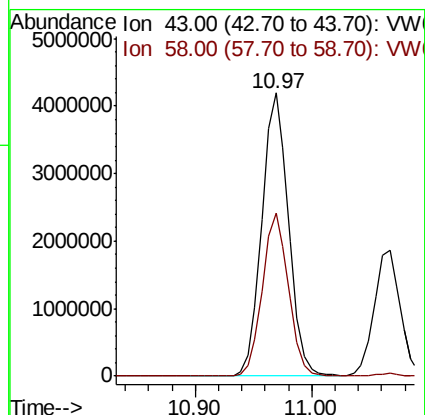
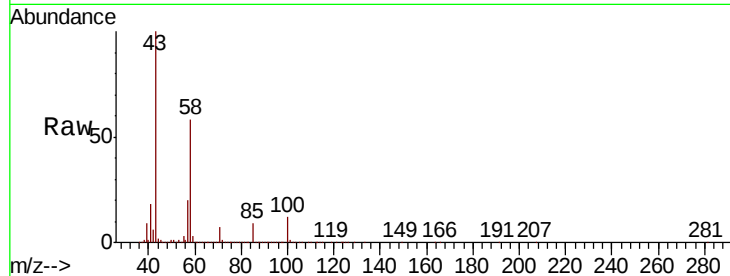
VSTDIC150

Tgt Ion: 43 Resp: 6696749

Ion Ratio Lower Upper

43 100

58 56.6 24.9 74.7



#60

Dibromochloromethane

Concen: 149.450 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW010335.D

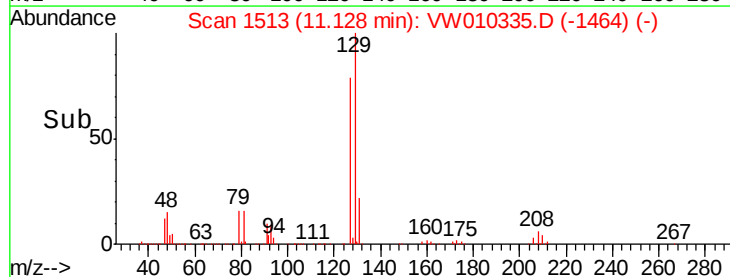
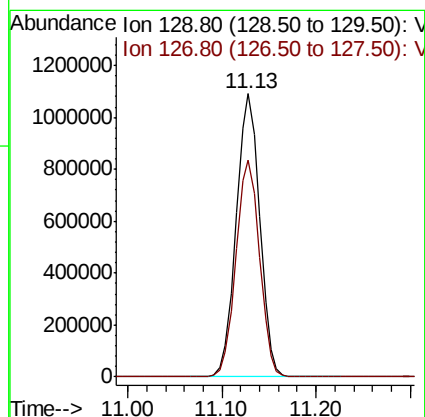
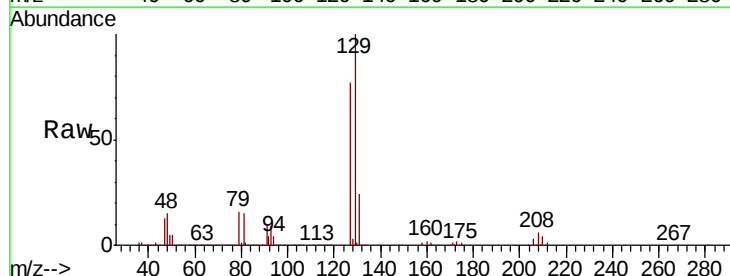
Acq: 09 May 2019 13:31

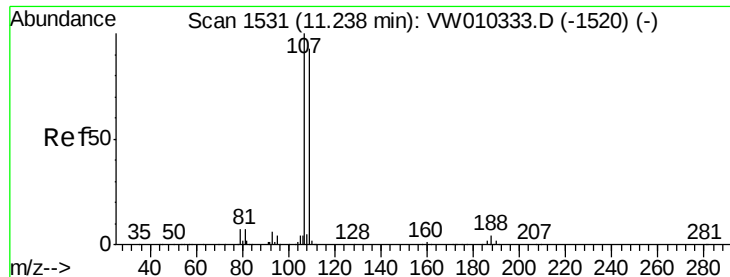
Tgt Ion: 129 Resp: 1887259

Ion Ratio Lower Upper

129 100

127 77.0 38.6 116.0

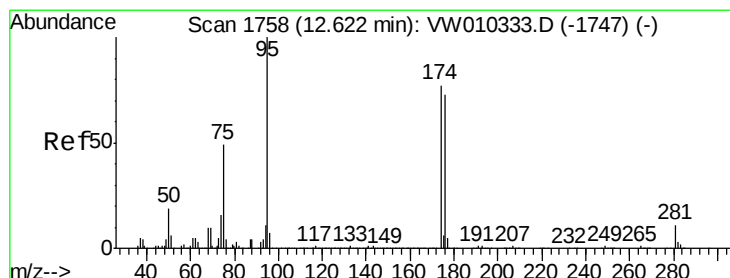
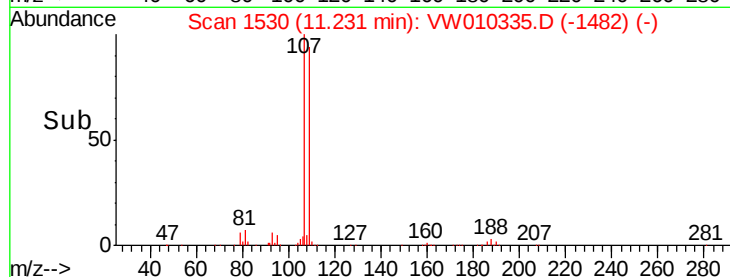
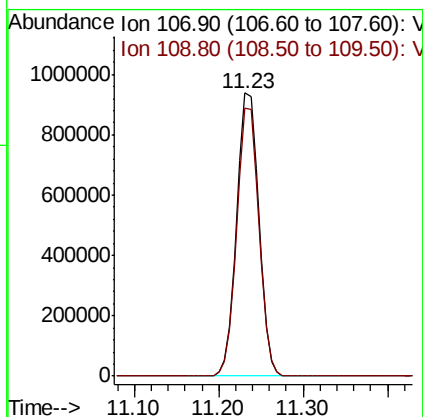
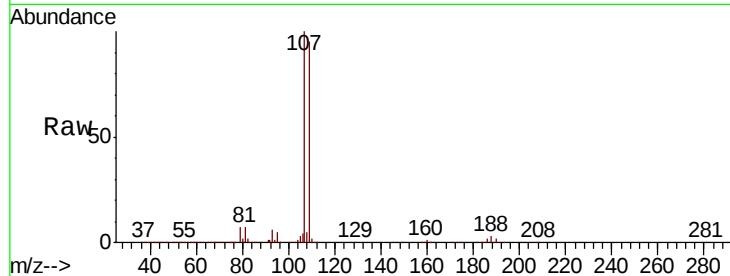




#61
 1,2-Dibromoethane
 Concen: 158.785 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW010335.D
 Acq: 09 May 2019 13:31

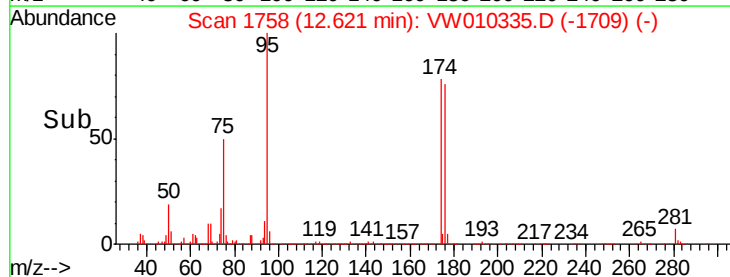
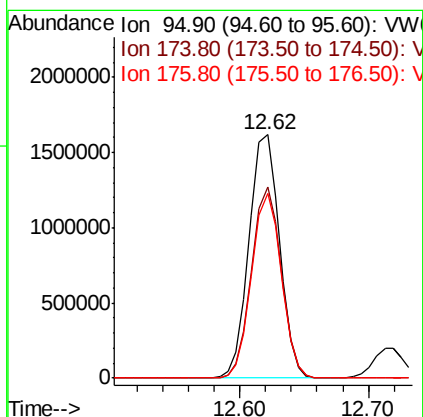
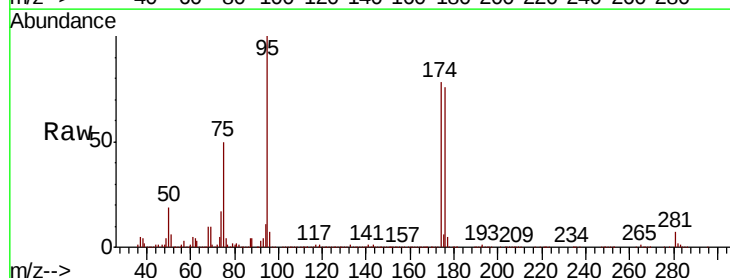
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

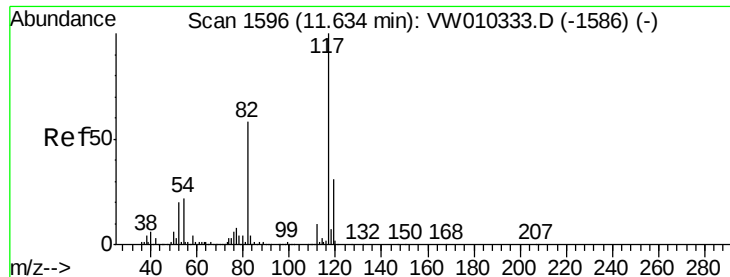
Tgt Ion: 107 Resp: 1650329
 Ion Ratio Lower Upper
 107 100
 109 94.6 73.6 110.4



#62
 4-Bromofluorobenzene
 Concen: 147.882 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW010335.D
 Acq: 09 May 2019 13:31

Tgt Ion: 95 Resp: 2634571
 Ion Ratio Lower Upper
 95 100
 174 76.7 0.0 151.4
 176 74.4 0.0 146.2

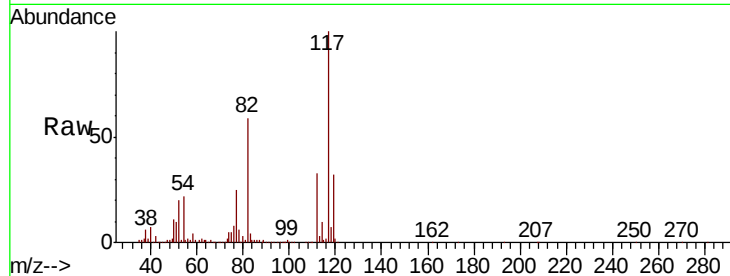




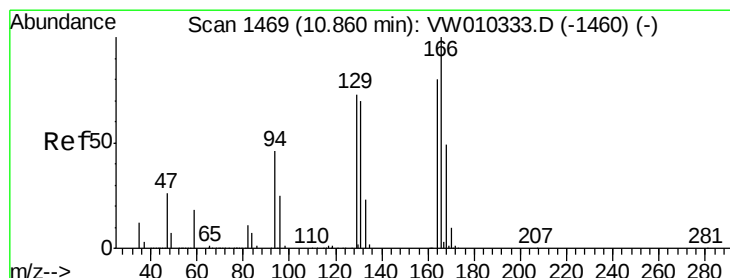
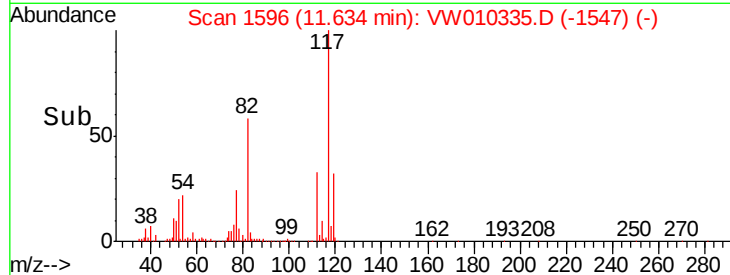
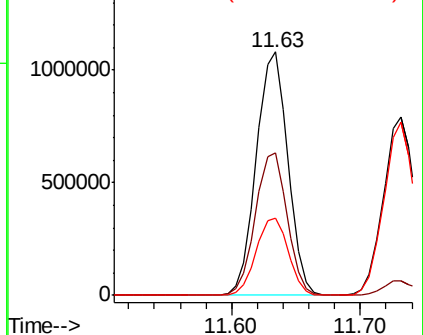
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010335.D
Acq: 09 May 2019 13:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion:117 Resp: 1828459
Ion Ratio Lower Upper
117 100
82 58.5 45.2 67.8
119 31.6 25.4 38.2

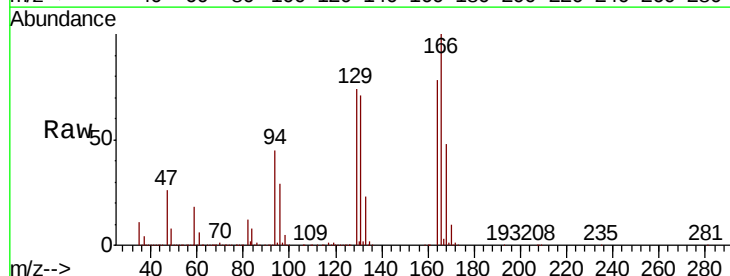


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

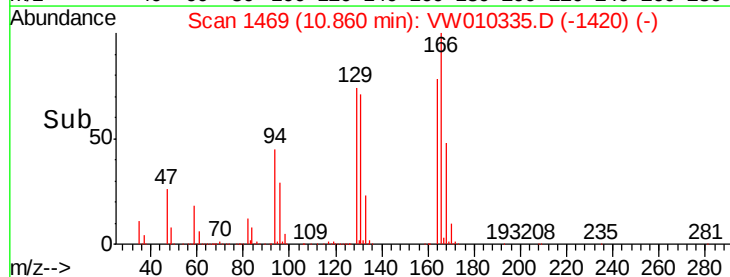
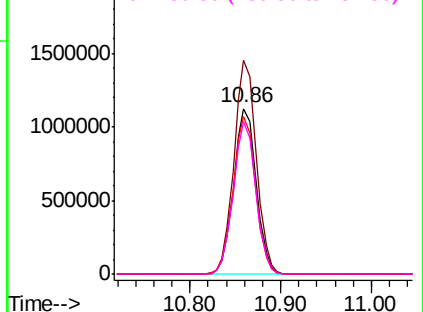


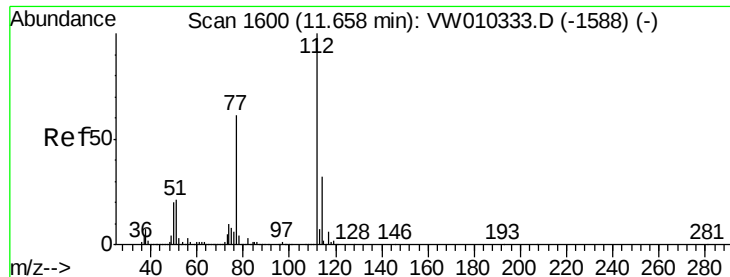
#64
Tetrachloroethene
Concen: 162.961 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010335.D
Acq: 09 May 2019 13:31

Tgt Ion:164 Resp: 1934310
Ion Ratio Lower Upper
164 100
166 129.0 101.2 151.8
129 95.5 77.8 116.6
131 92.1 73.1 109.7



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

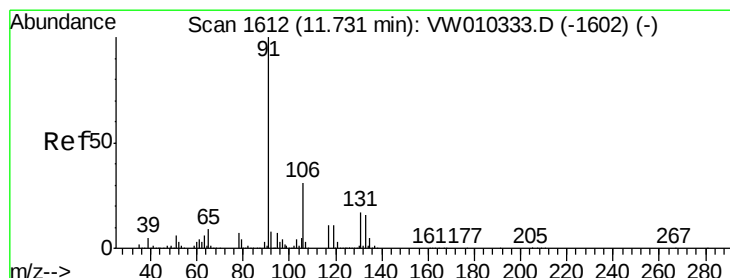
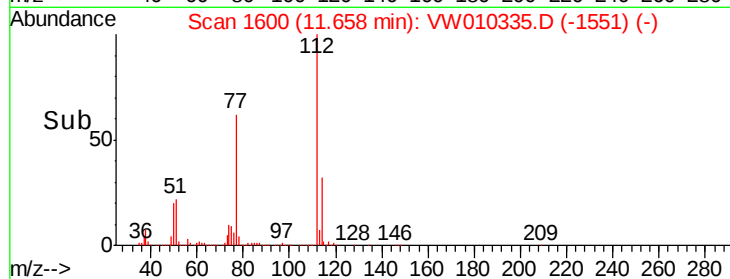
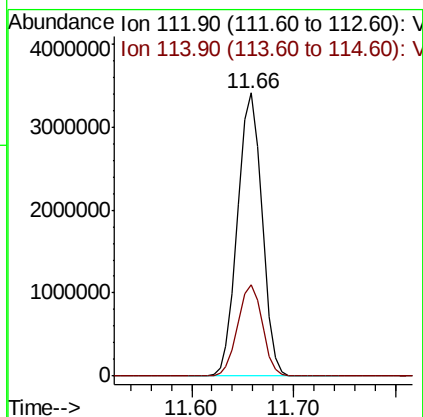
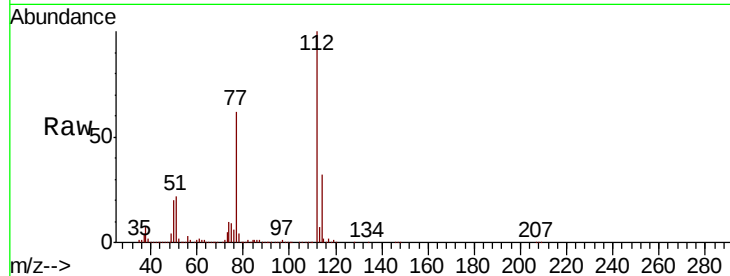




#65
Chlorobenzene
Concen: 151.085 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010335.D
Acq: 09 May 2019 13:31

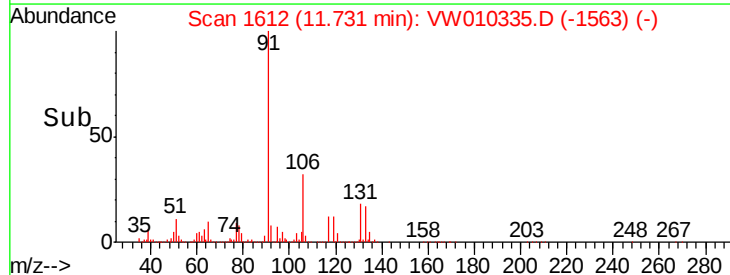
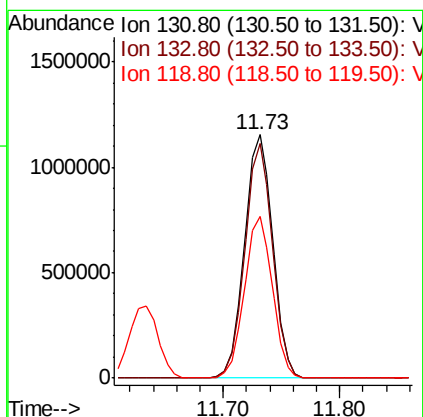
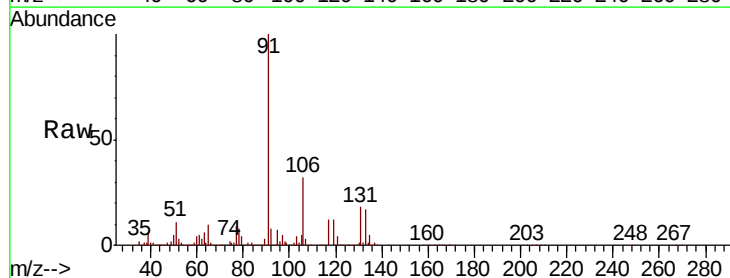
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

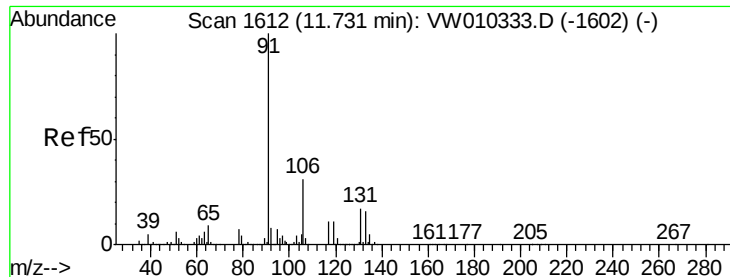
Tgt Ion:112 Resp: 5654183
Ion Ratio Lower Upper
112 100
114 32.3 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 146.057 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010335.D
Acq: 09 May 2019 13:31

Tgt Ion:131 Resp: 1954686
Ion Ratio Lower Upper
131 100
133 94.6 46.5 139.5
119 65.7 31.9 95.5

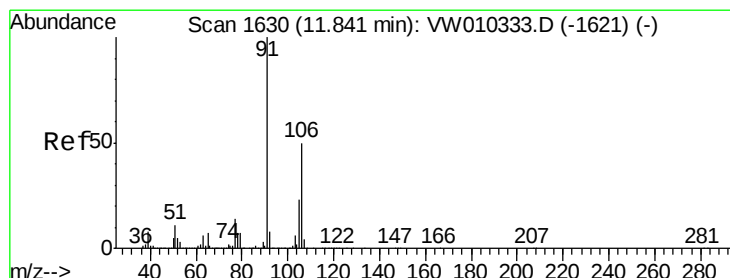
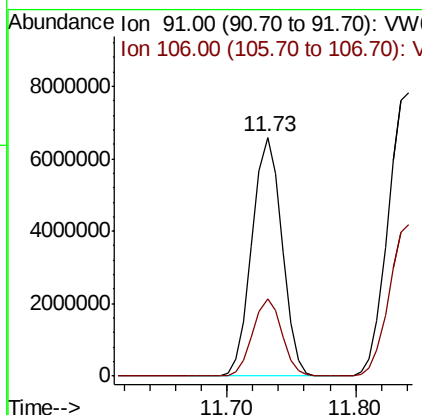
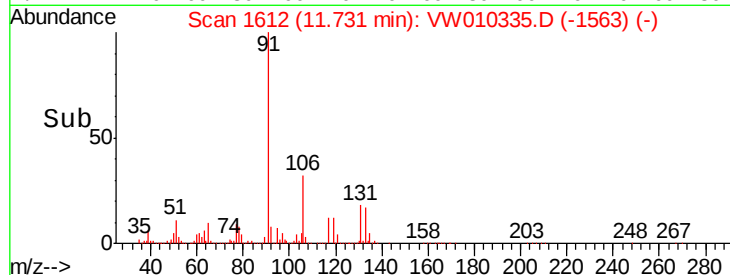
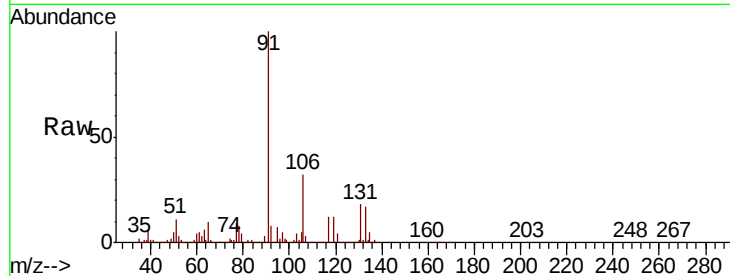




#67
Ethyl Benzene
Concen: 158.700 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010335.D
Acq: 09 May 2019 13:31

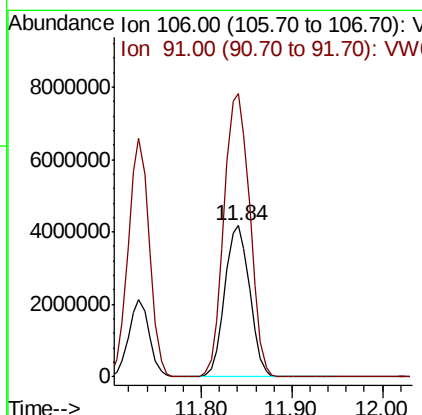
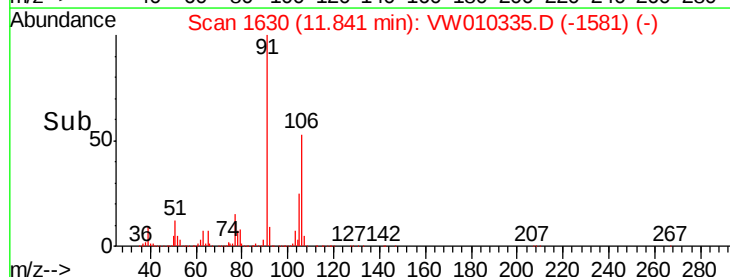
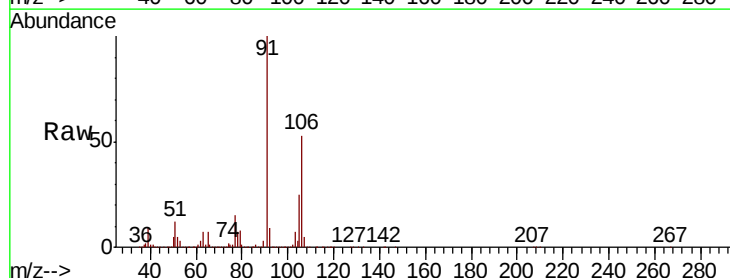
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

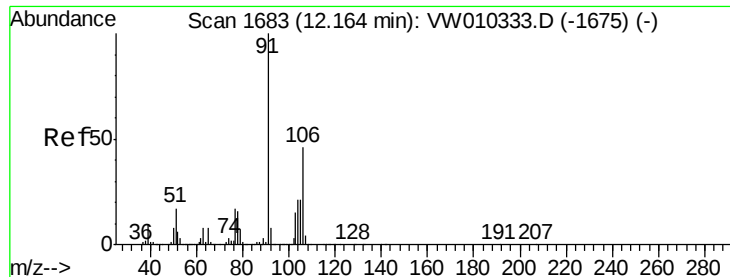
Tgt Ion: 91 Resp:10596403
Ion Ratio Lower Upper
91 100
106 32.2 23.8 35.8



#68
m/p-Xylenes
Concen: 318.071 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010335.D
Acq: 09 May 2019 13:31

Tgt Ion:106 Resp: 7938706
Ion Ratio Lower Upper
106 100
91 195.0 165.0 247.6

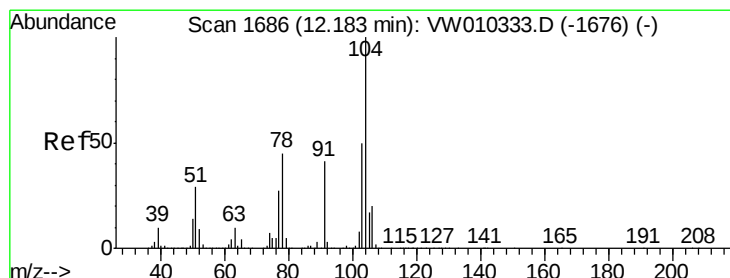
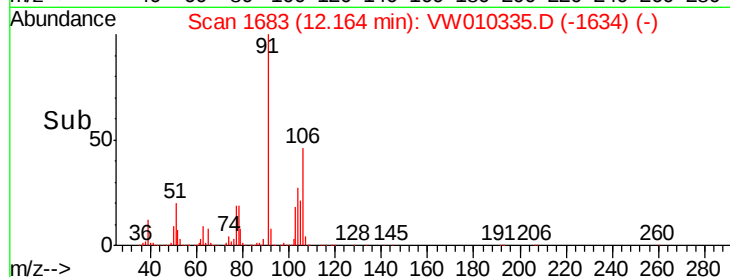
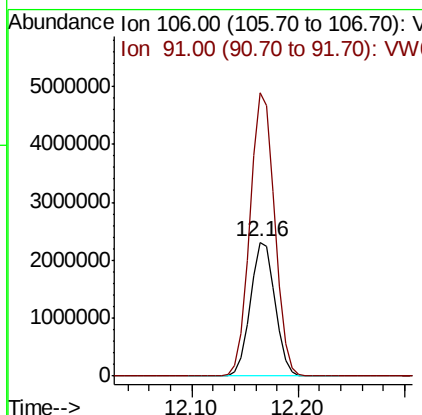
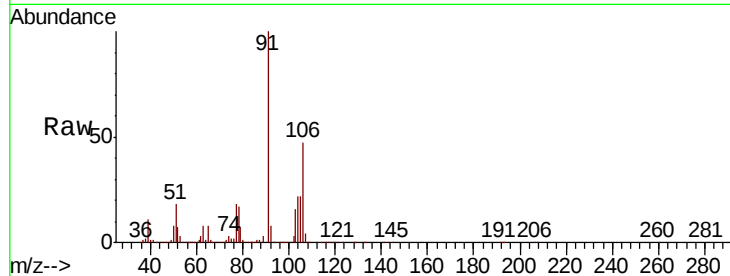




#69
o-Xylene
Concen: 164.892 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW010335.D
Acq: 09 May 2019 13:31

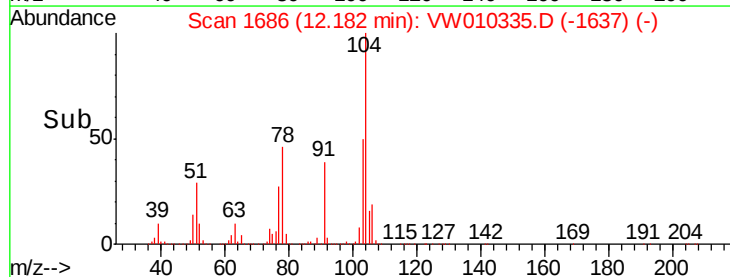
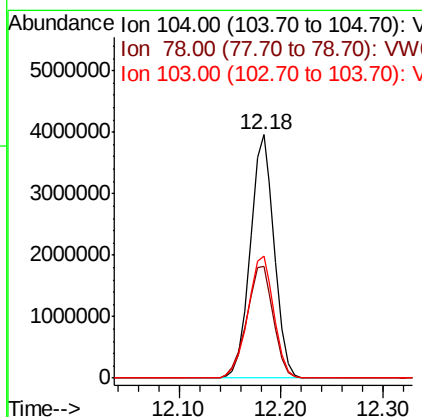
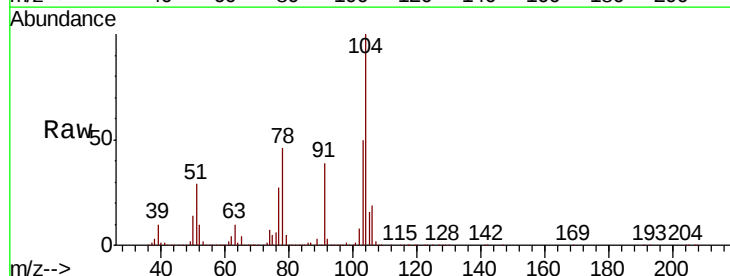
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

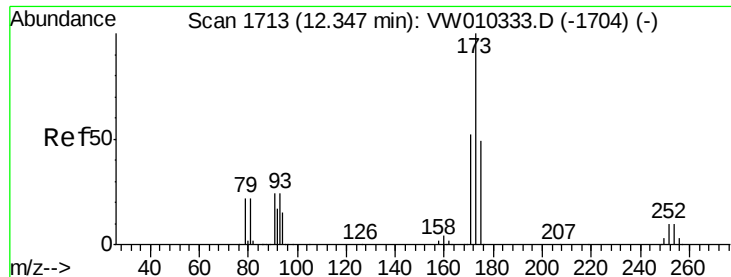
Tgt Ion:106 Resp: 3747337
Ion Ratio Lower Upper
106 100
91 212.9 110.5 331.4



#70
Styrene
Concen: 164.975 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010335.D
Acq: 09 May 2019 13:31

Tgt Ion:104 Resp: 6464378
Ion Ratio Lower Upper
104 100
78 51.2 42.5 63.7
103 54.7 43.6 65.4





#71

Bromoform

Concen: 165.226 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW010335.D

Acq: 09 May 2019 13:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

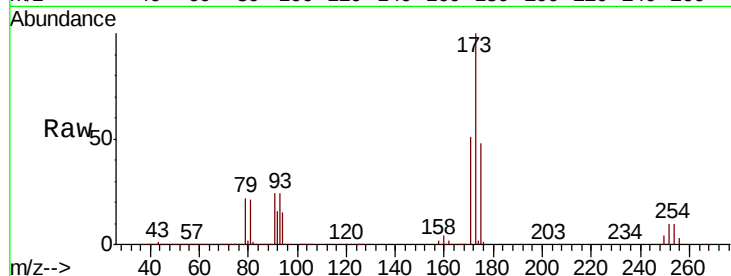
Tgt Ion:173 Resp: 1169261

Ion Ratio Lower Upper

173 100

175 48.7 23.8 71.4

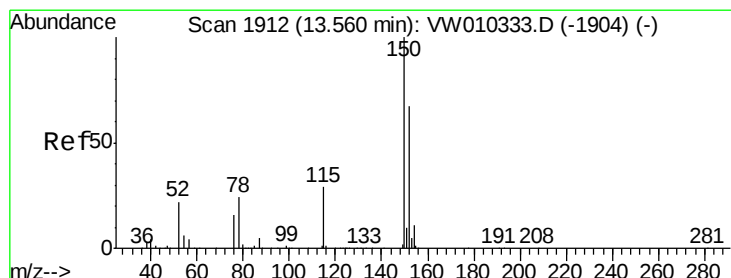
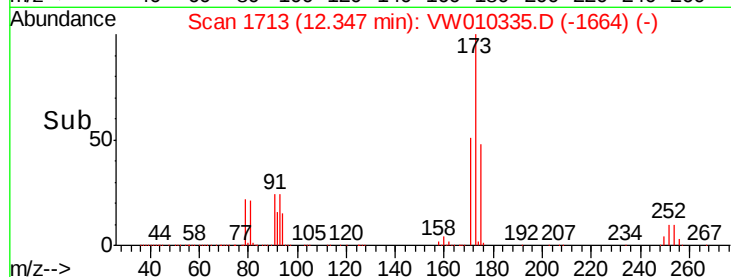
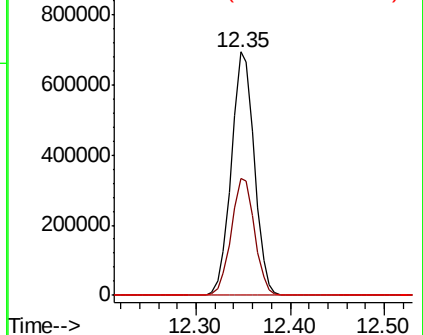
254 0.0 0.1 0.1#



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: VW010335.D

Acq: 09 May 2019 13:31

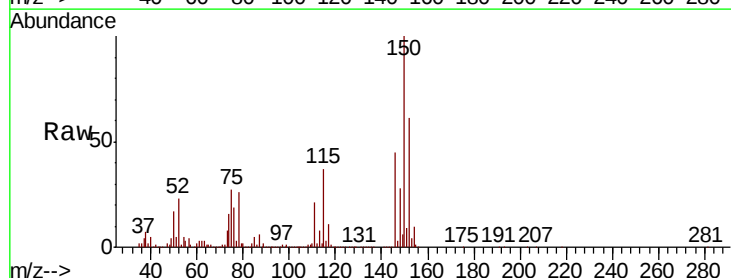
Tgt Ion:152 Resp: 869966

Ion Ratio Lower Upper

152 100

115 60.0 30.4 91.2

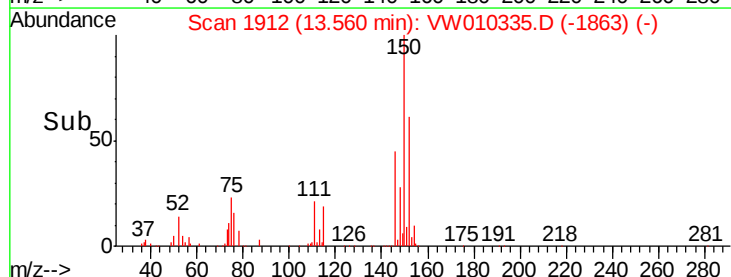
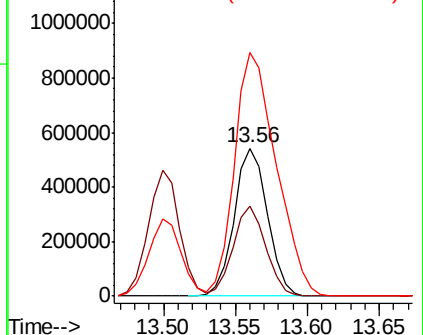
150 207.1 0.0 347.0

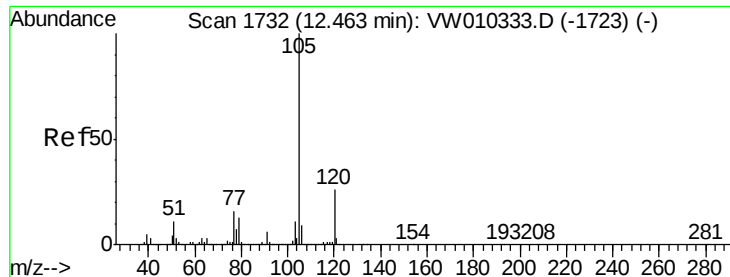


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 167.482 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW010335.D

Acq: 09 May 2019 13:31

Instrument :

MSVOA_W

ClientSampleId :

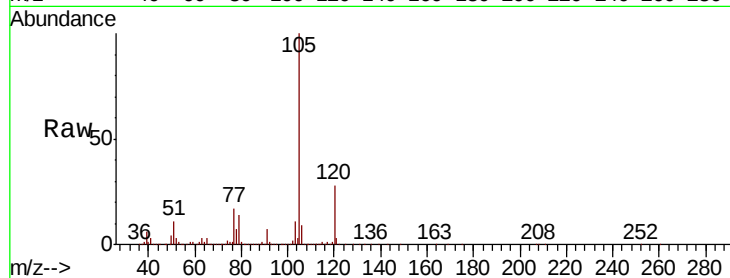
VSTDIC150

Tgt Ion:105 Resp:10140696

Ion Ratio Lower Upper

105 100

120 27.0 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

6000000

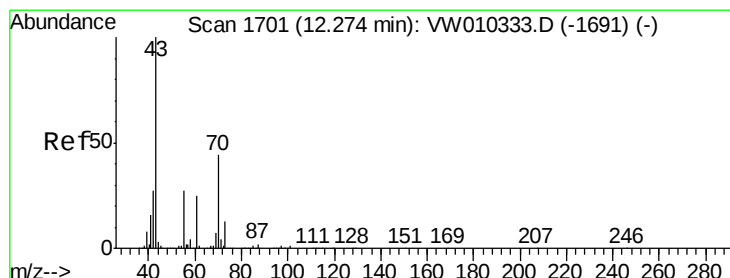
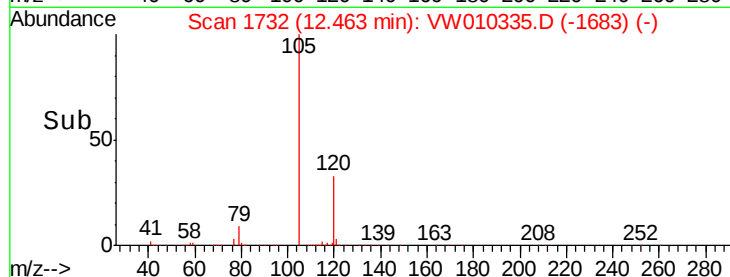
4000000

2000000

0

Time-->

12.40 12.50



#74

N-ethyl acetate

Concen: 175.221 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW010335.D

Acq: 09 May 2019 13:31

Tgt Ion: 43 Resp: 2938017

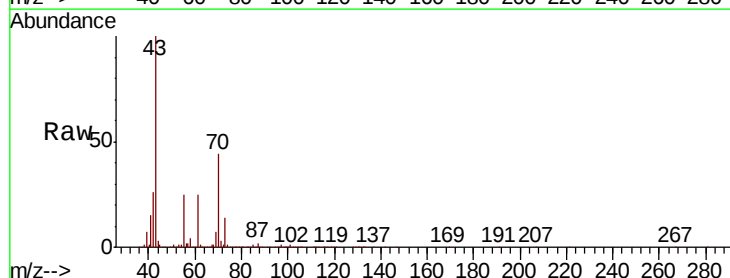
Ion Ratio Lower Upper

43 100

70 43.9 31.3 46.9

55 25.1 20.0 30.0

61 25.3 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

3000000

2500000

2000000

1500000

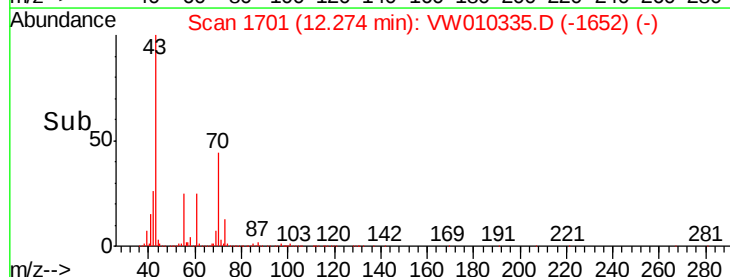
1000000

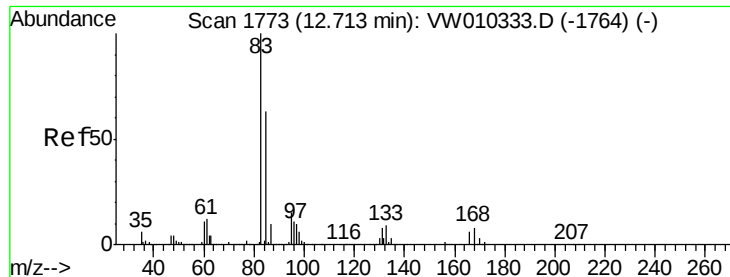
500000

0

Time-->

12.20 12.30 12.40





#75

1,1,2,2-Tetrachloroethane

Concen: 181.392 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW010335.D

Acq: 09 May 2019 13:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

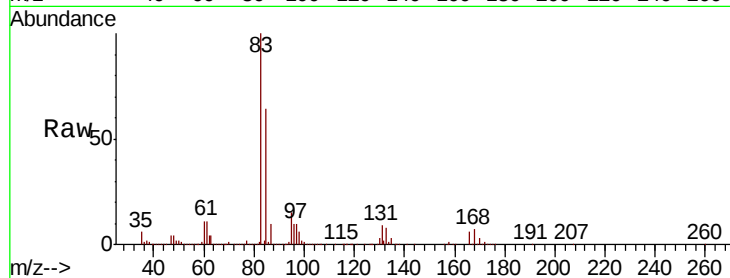
Tgt Ion: 83 Resp: 2169869

Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.3	15.8
85	64.5	32.0	96.2

83 100

131 9.9 5.3 15.8

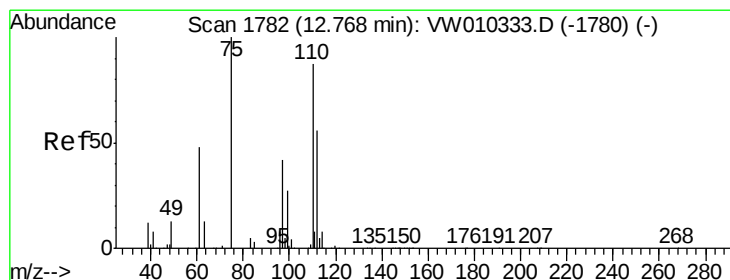
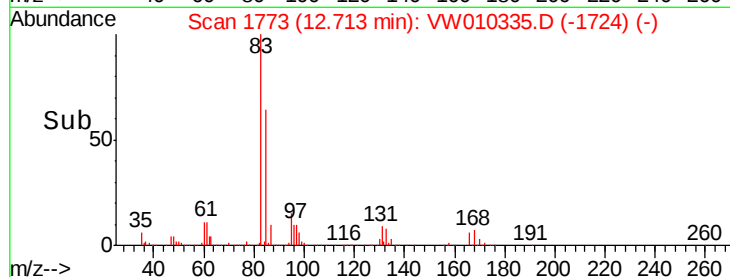
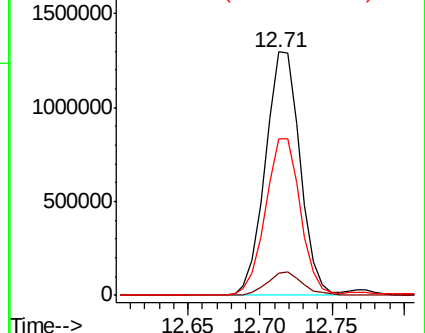
85 64.5 32.0 96.2



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 333.008 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW010335.D

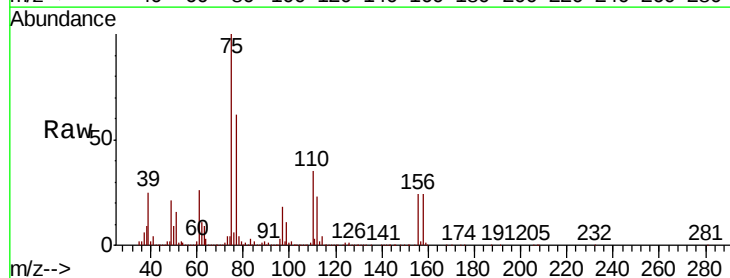
Acq: 09 May 2019 13:31

Tgt Ion: 75 Resp: 2899517

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

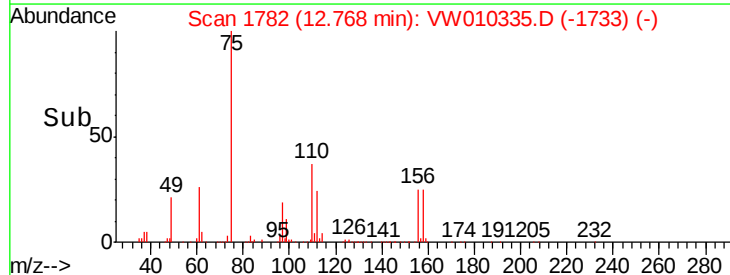
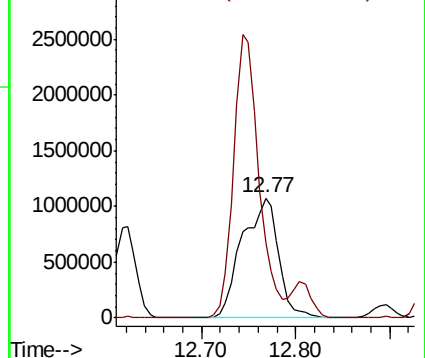
75 100

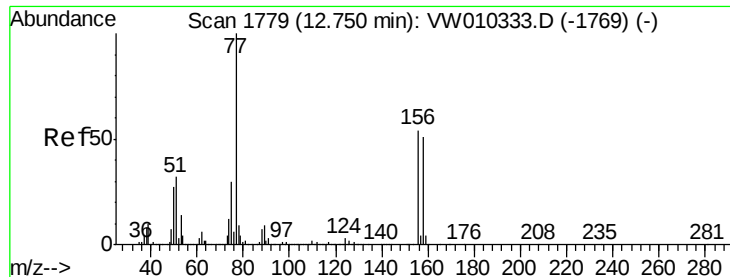
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 162.496 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010335.D

Acq: 09 May 2019 13:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

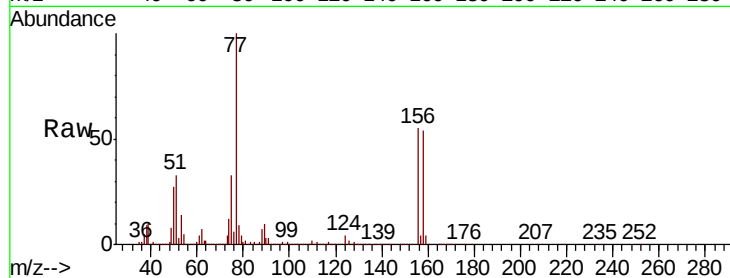
Tgt Ion:156 Resp: 2262782

Ion Ratio Lower Upper

156 100

77 209.3 102.5 307.4

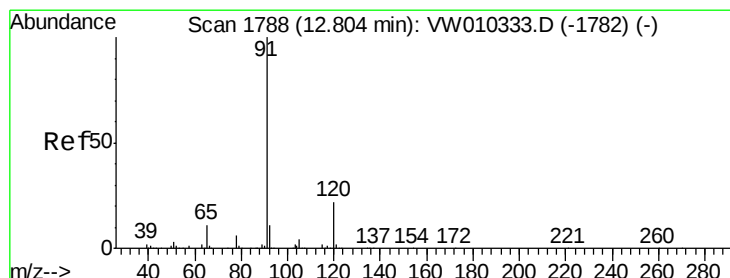
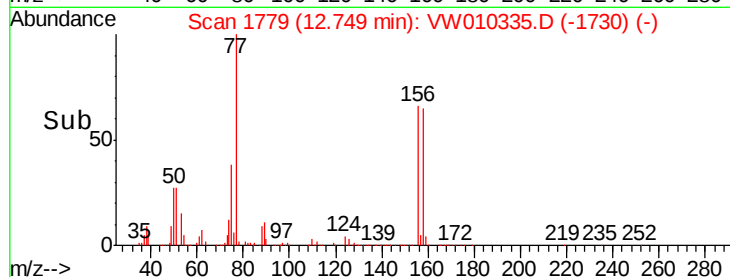
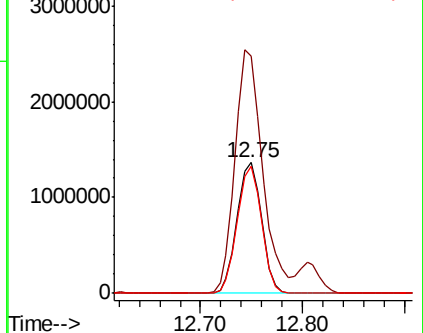
158 96.4 48.8 146.4



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: 160.065 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW010335.D

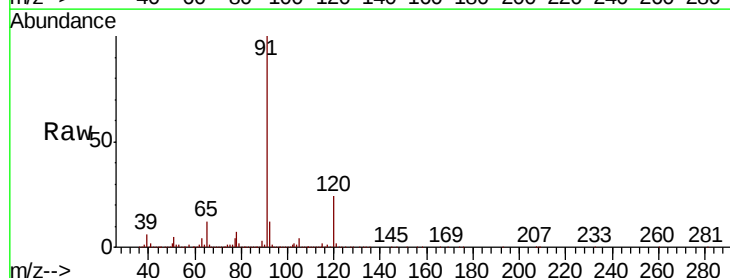
Acq: 09 May 2019 13:31

Tgt Ion: 91 Resp:12011558

Ion Ratio Lower Upper

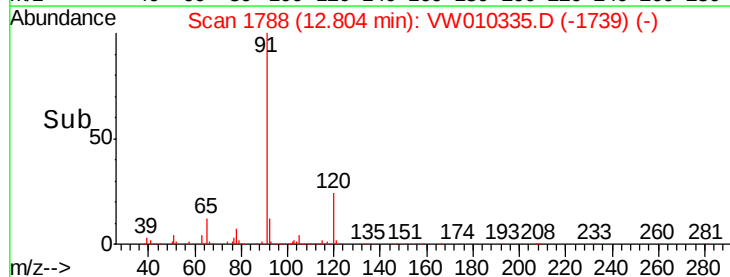
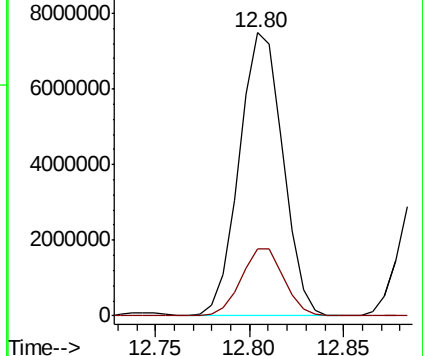
91 100

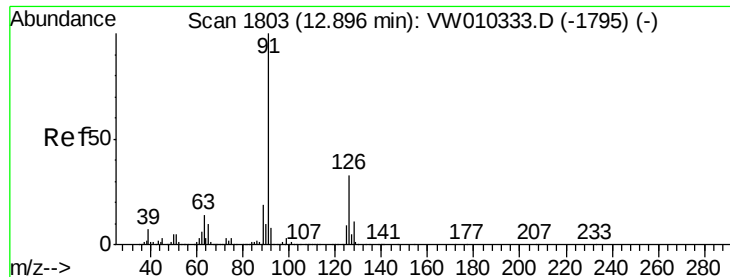
120 23.2 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

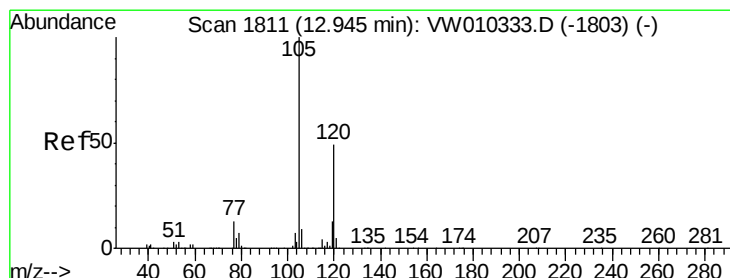
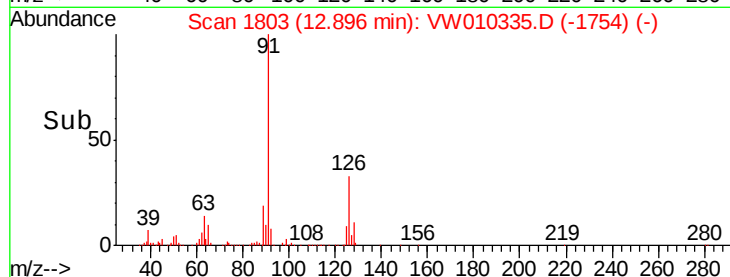
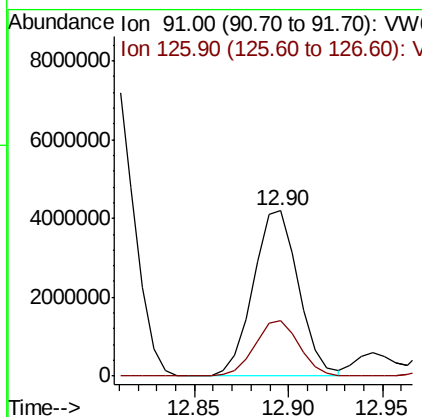
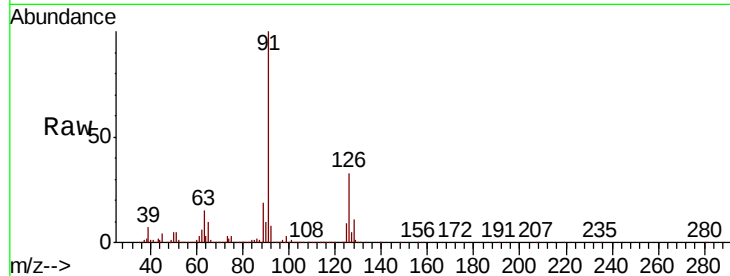




#79
 2-Chlorotoluene
 Concen: 161.691 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VW010335.D
 Acq: 09 May 2019 13:31

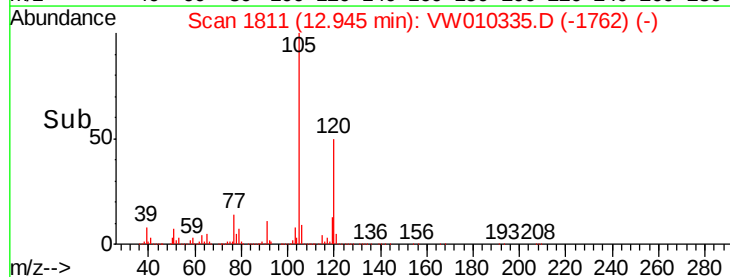
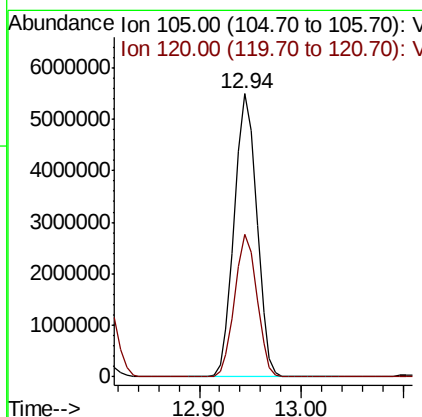
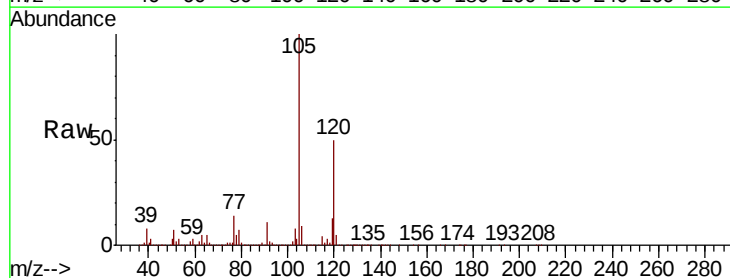
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

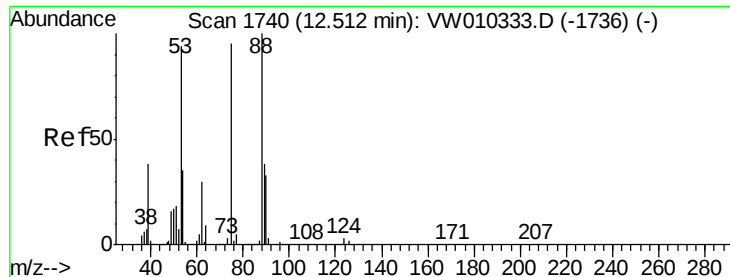
Tgt Ion: 91 Resp: 6978317
 Ion Ratio Lower Upper
 91 100
 126 32.8 16.3 48.8



#80
 1,3,5-Trimethylbenzene
 Concen: 163.291 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW010335.D
 Acq: 09 May 2019 13:31

Tgt Ion: 105 Resp: 8382881
 Ion Ratio Lower Upper
 105 100
 120 49.7 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 217.053 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW010335.D

Acq: 09 May 2019 13:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

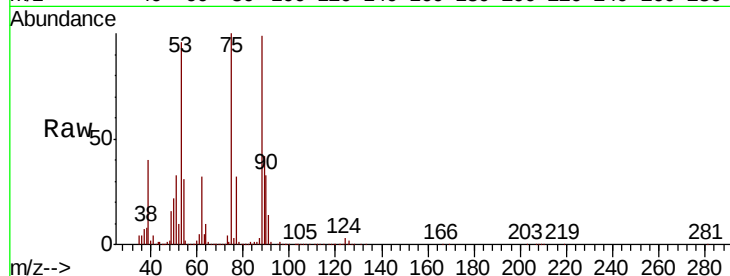
Tgt Ion: 75 Resp: 801496

Ion Ratio Lower Upper

75 100

53 94.8 89.8 134.8

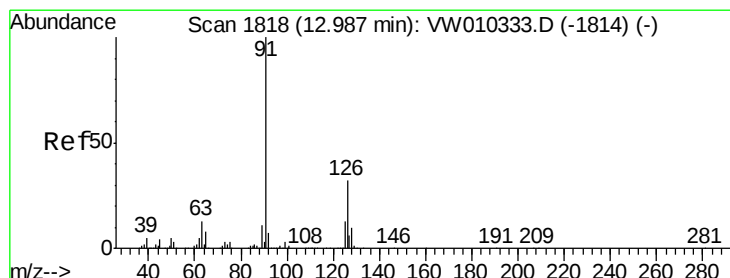
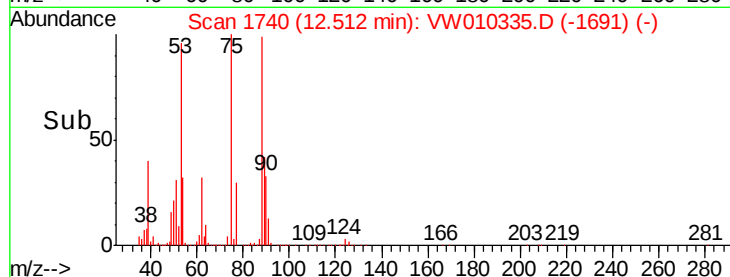
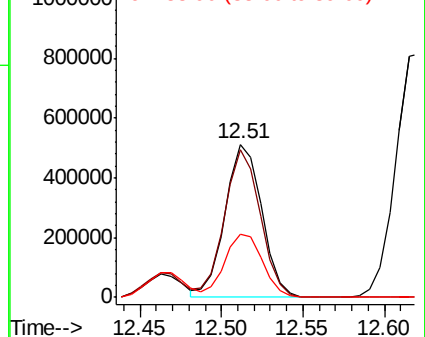
89 42.7 36.6 54.8



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: 158.547 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VW010335.D

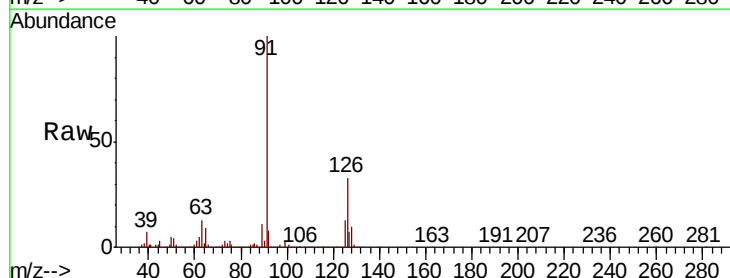
Acq: 09 May 2019 13:31

Tgt Ion: 91 Resp: 7201613

Ion Ratio Lower Upper

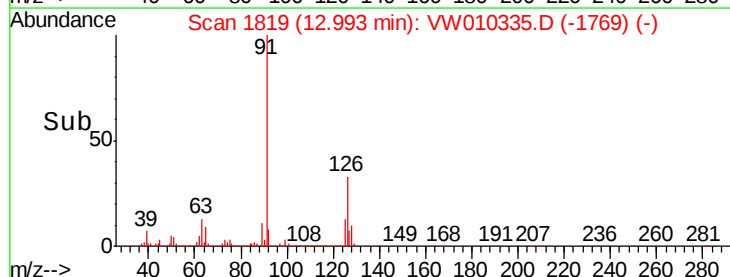
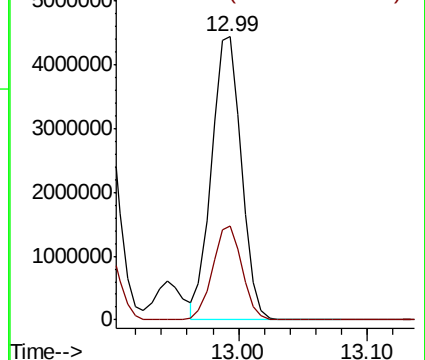
91 100

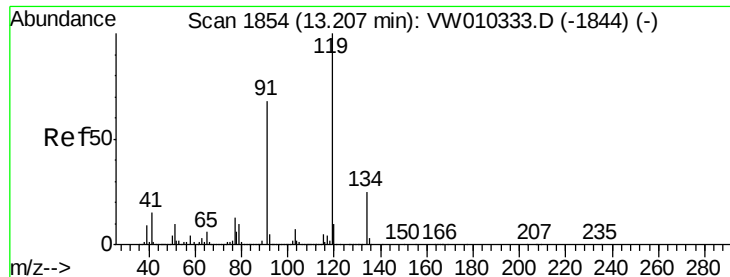
126 32.8 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 168.473 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VW010335.D

Acq: 09 May 2019 13:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

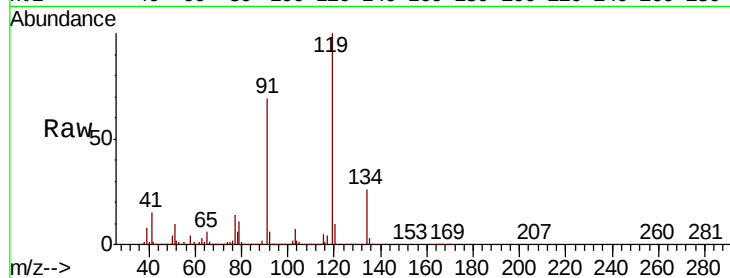
Tgt Ion:119 Resp: 7162312

Ion Ratio Lower Upper

119 100

91 68.6 34.8 104.4

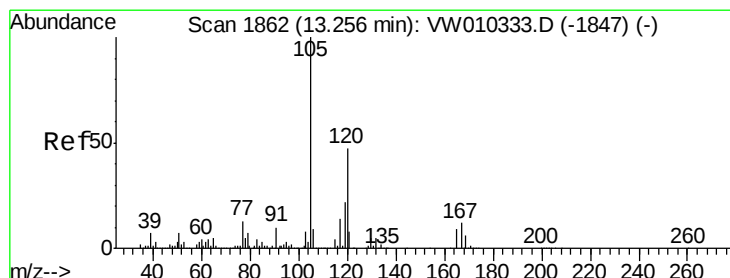
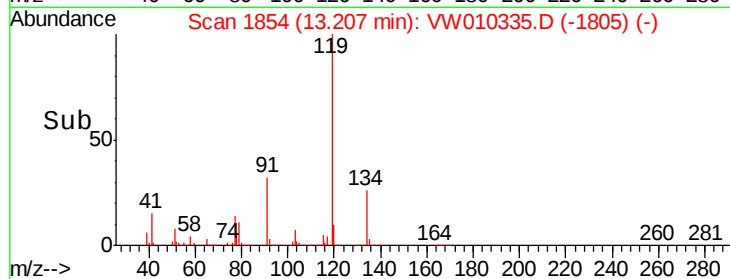
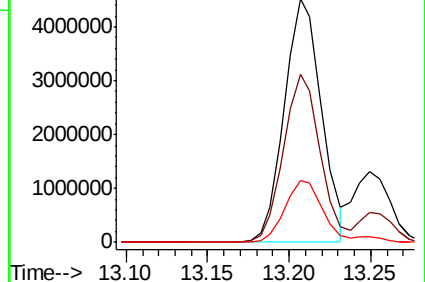
134 27.4 13.7 41.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 160.045 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. -0.00 min

Lab File: VW010335.D

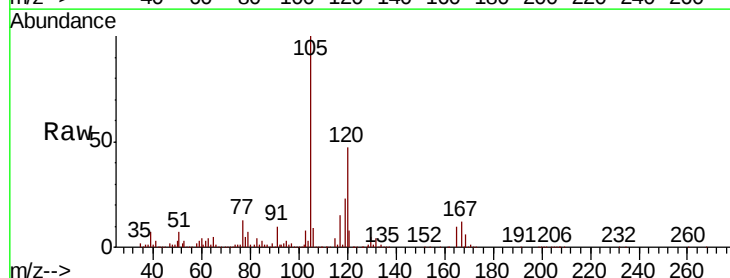
Acq: 09 May 2019 13:31

Tgt Ion:105 Resp: 8330258

Ion Ratio Lower Upper

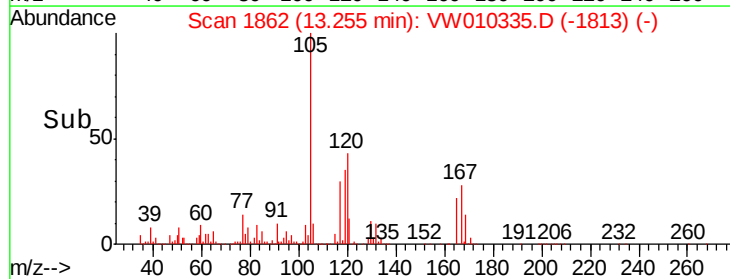
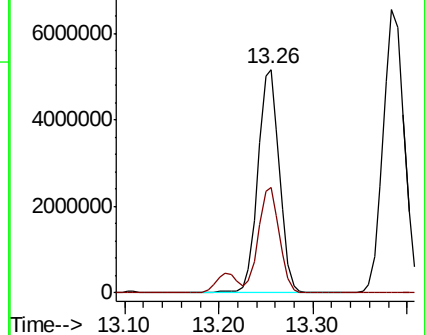
105 100

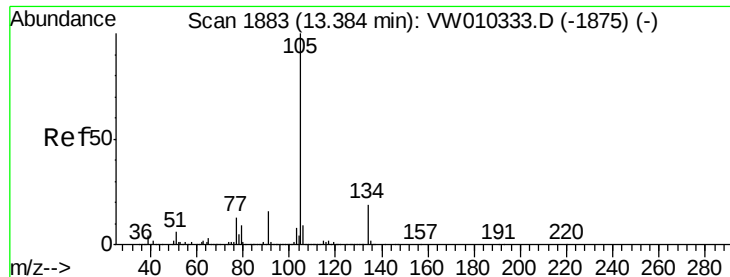
120 46.1 22.6 67.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

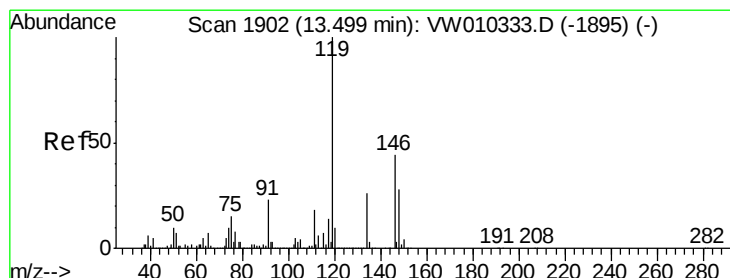
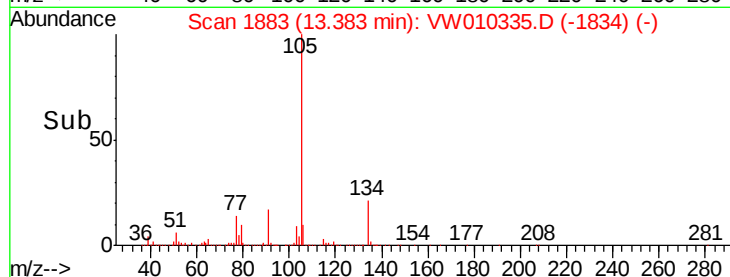
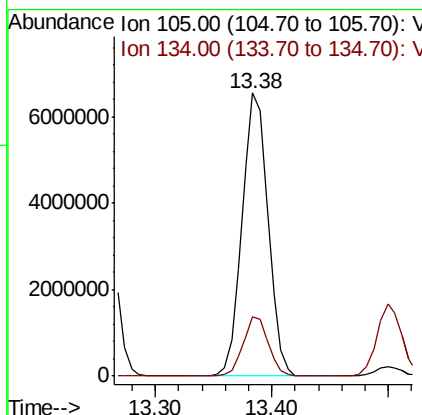
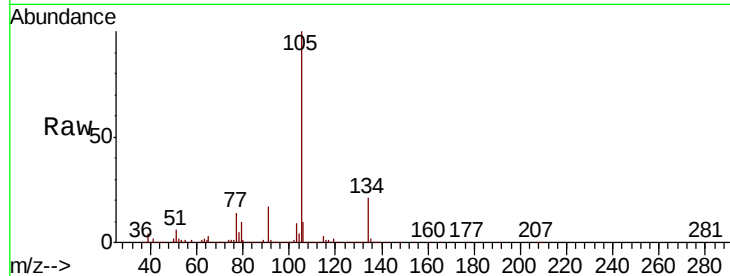




#85
 sec-Butylbenzene
 Concen: 160.477 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW010335.D
 Acq: 09 May 2019 13:31

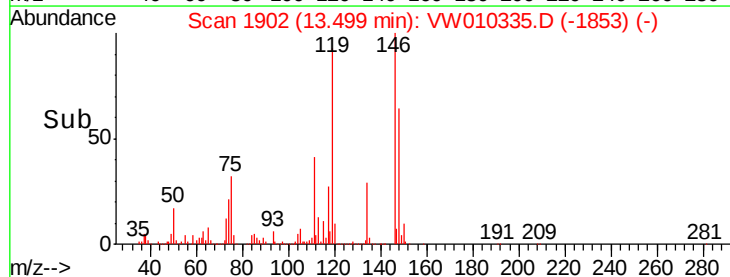
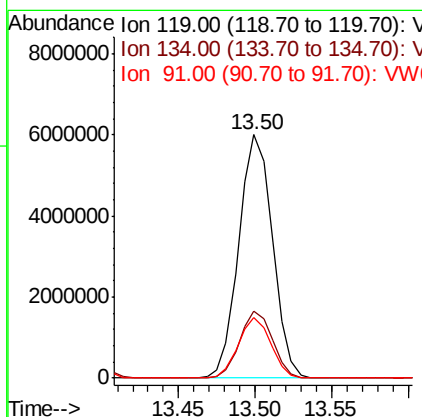
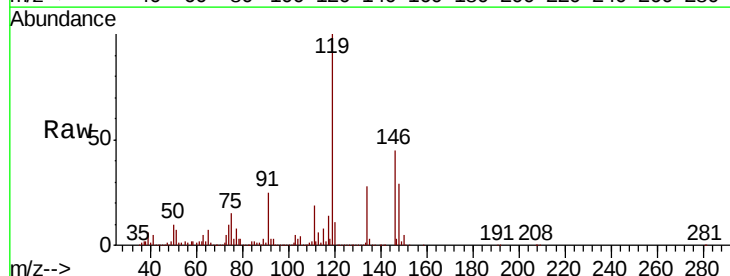
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

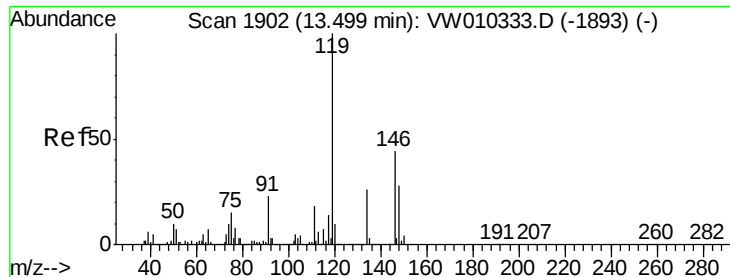
Tgt Ion:105 Resp:10195357
 Ion Ratio Lower Upper
 105 100
 134 20.5 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 164.219 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010335.D
 Acq: 09 May 2019 13:31

Tgt Ion:119 Resp: 9195758
 Ion Ratio Lower Upper
 119 100
 134 26.9 13.0 38.9
 91 24.1 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 153.885 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010335.D

Acq: 09 May 2019 13:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

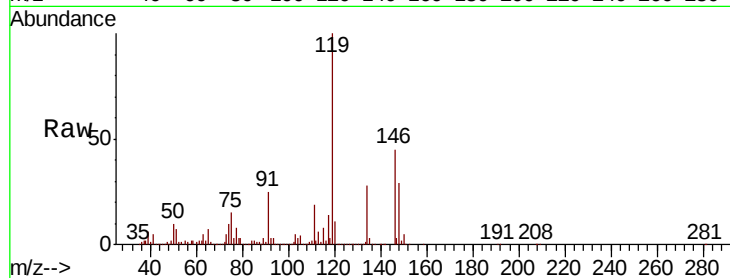
Tgt Ion:146 Resp: 4331728

Ion Ratio Lower Upper

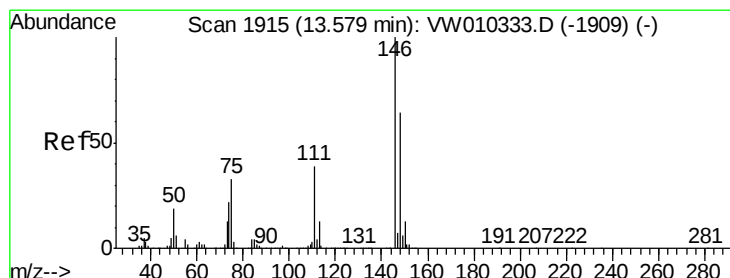
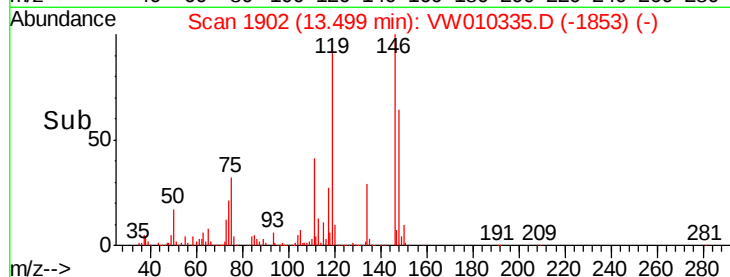
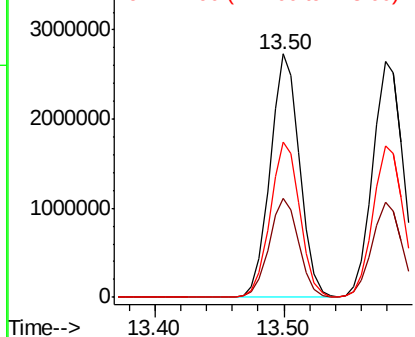
146 100

111 41.0 20.3 61.0

148 64.3 32.0 96.2



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



#88

1,4-Dichlorobenzene

Concen: 151.504 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW010335.D

Acq: 09 May 2019 13:31

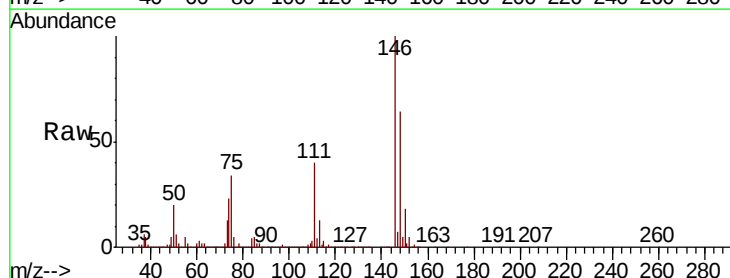
Tgt Ion:146 Resp: 4256833

Ion Ratio Lower Upper

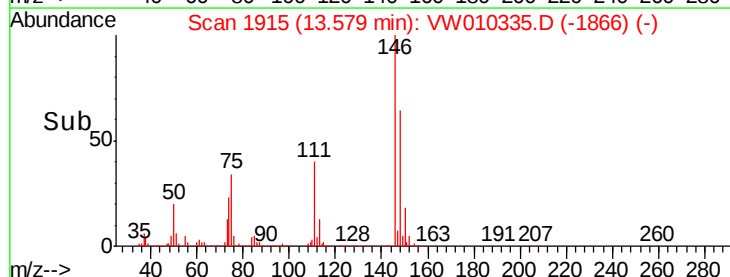
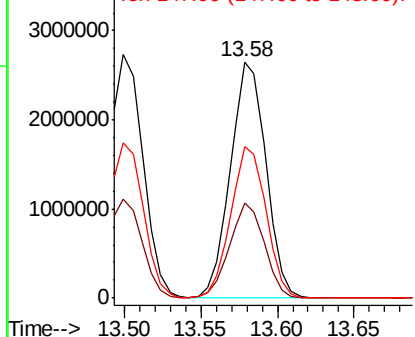
146 100

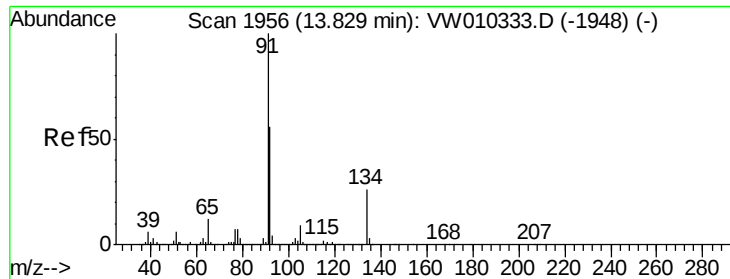
111 39.5 20.1 60.3

148 64.1 31.8 95.3



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





#89

n-Butylbenzene

Concen: 165.685 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW010335.D

Acq: 09 May 2019 13:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

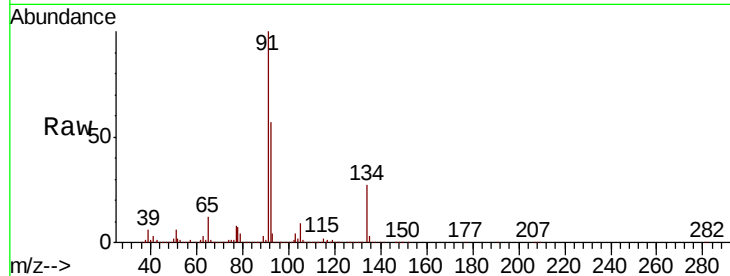
Tgt Ion: 91 Resp: 9191820

Ion Ratio Lower Upper

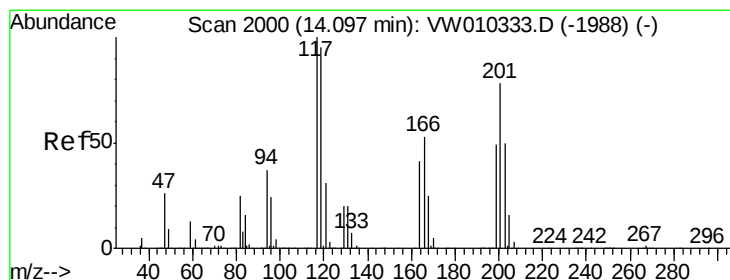
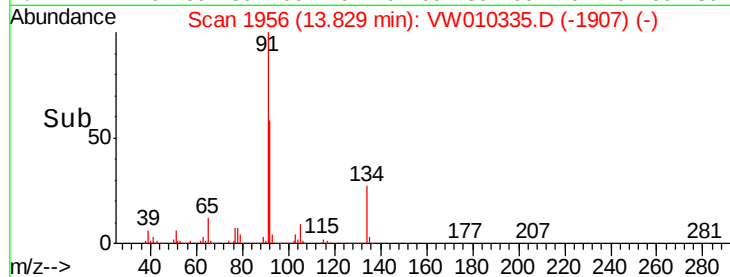
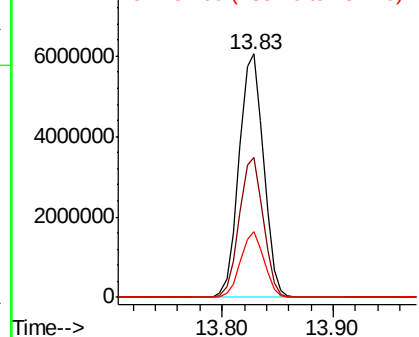
91 100

92 56.3 26.5 79.4

134 25.9 12.4 37.0



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



#90

Hexachloroethane

Concen: 160.522 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW010335.D

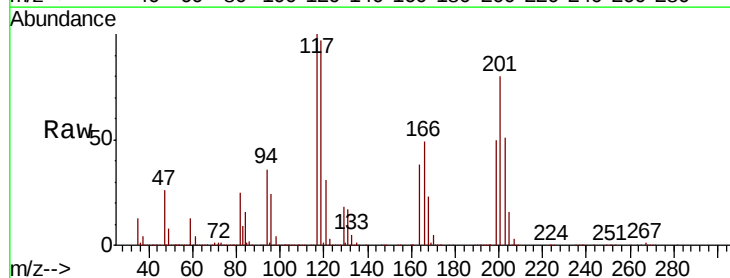
Acq: 09 May 2019 13:31

Tgt Ion: 117 Resp: 1721629

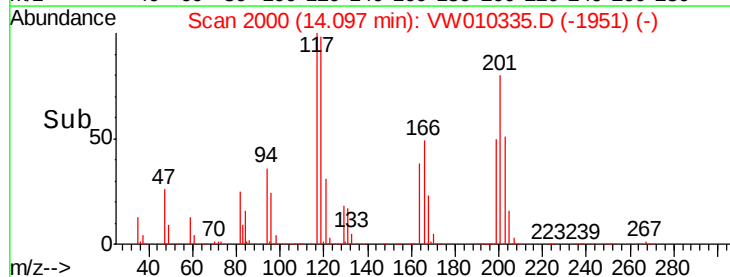
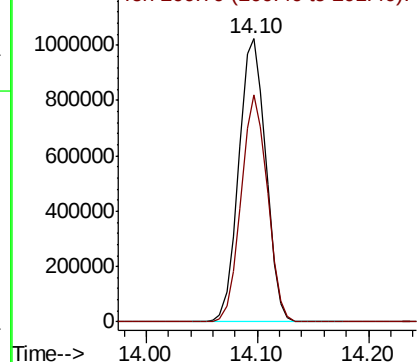
Ion Ratio Lower Upper

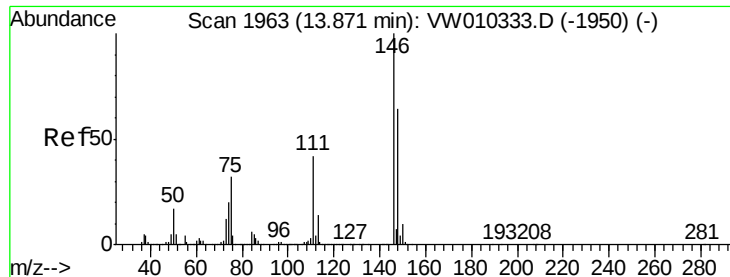
117 100

201 78.1 36.1 108.3



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

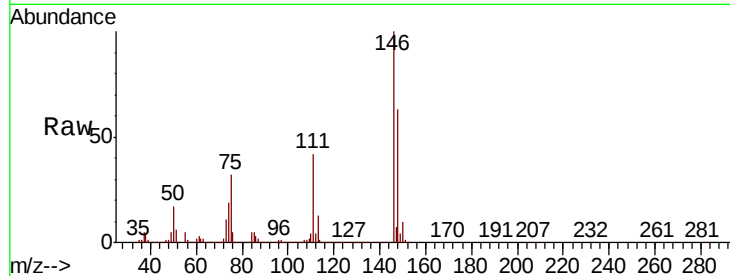




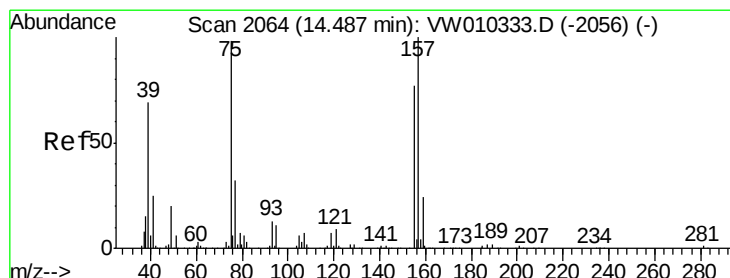
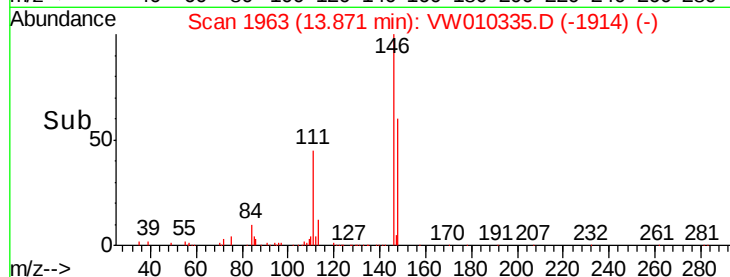
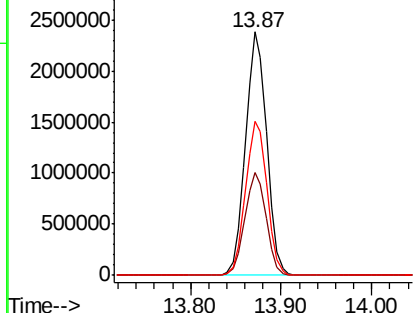
#91
 1,2-Dichlorobenzene
 Concen: 151.615 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW010335.D
 Acq: 09 May 2019 13:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tgt Ion:146 Resp: 3826676
 Ion Ratio Lower Upper
 146 100
 111 42.6 20.9 62.8
 148 64.1 31.9 95.7

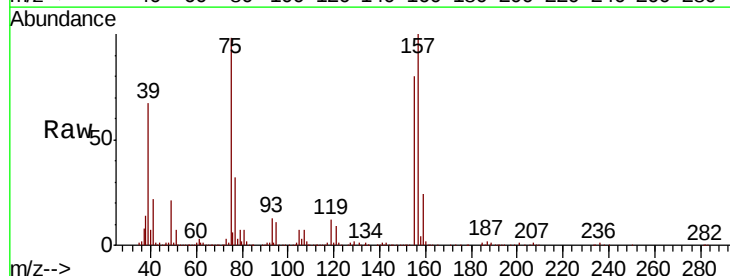


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

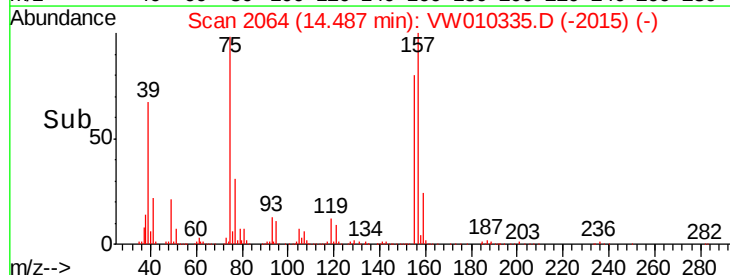
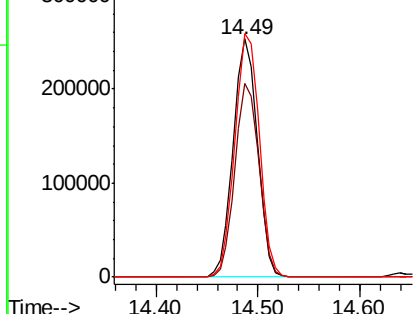


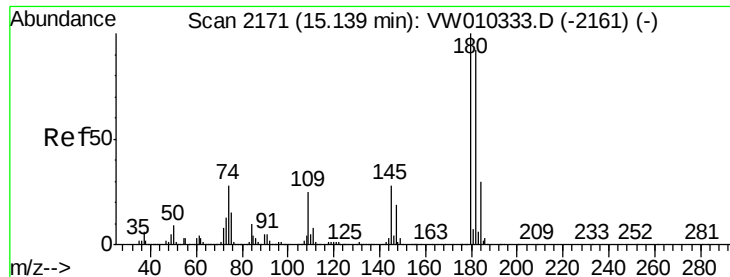
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 193.763 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW010335.D
 Acq: 09 May 2019 13:31

Tgt Ion: 75 Resp: 414797
 Ion Ratio Lower Upper
 75 100
 155 81.2 37.1 111.5
 157 103.2 47.3 141.9



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

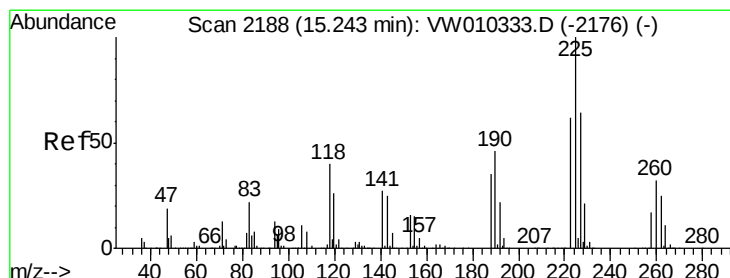
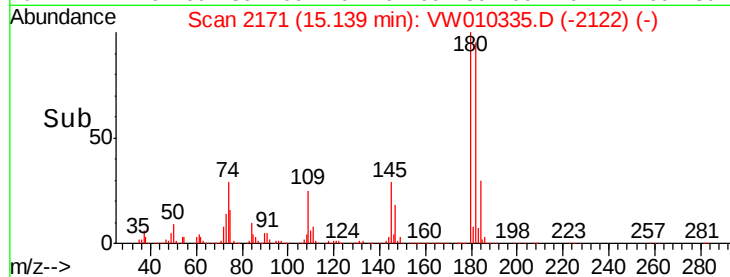
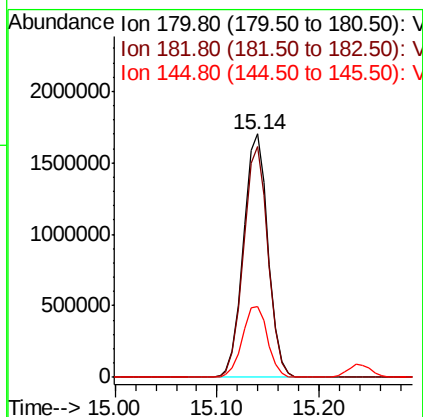
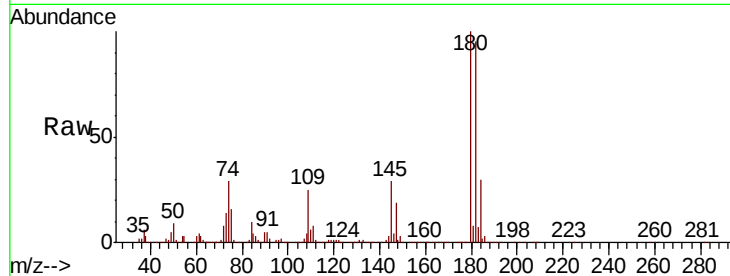




#93
 1,2,4-Trichlorobenzene
 Concen: 170.168 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010335.D
 Acq: 09 May 2019 13:31

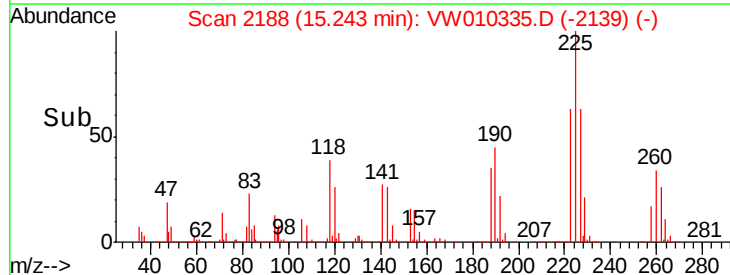
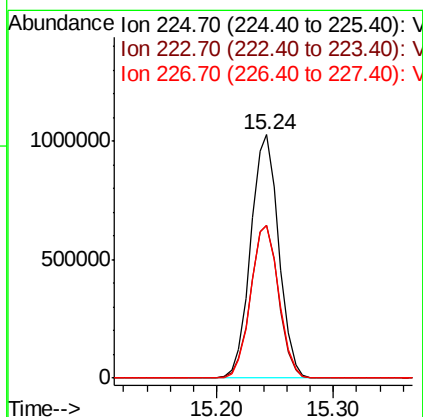
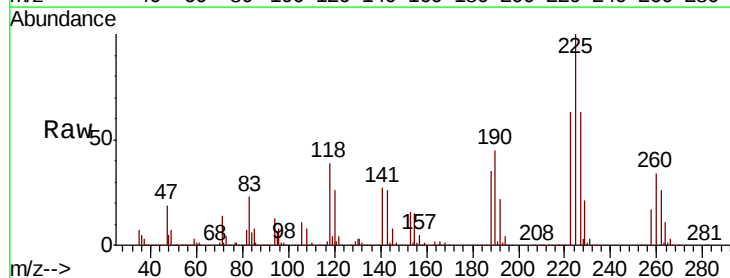
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

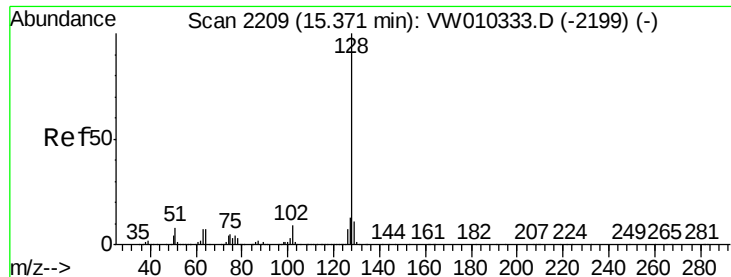
Tgt Ion:180 Resp: 2833466
 Ion Ratio Lower Upper
 180 100
 182 94.7 47.1 141.4
 145 30.0 15.2 45.6



#94
 Hexachlorobutadiene
 Concen: 170.035 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW010335.D
 Acq: 09 May 2019 13:31

Tgt Ion:225 Resp: 1719291
 Ion Ratio Lower Upper
 225 100
 223 62.7 31.9 95.5
 227 62.8 31.8 95.3

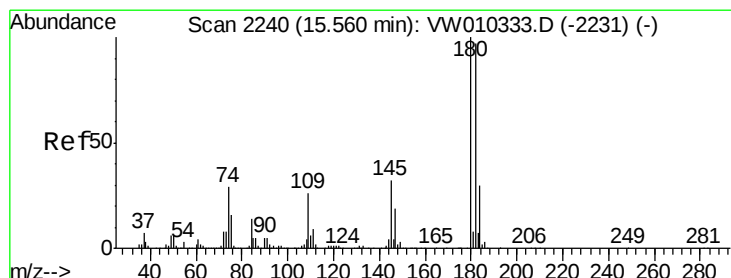
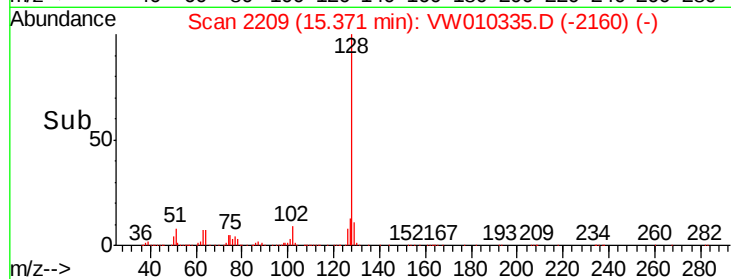
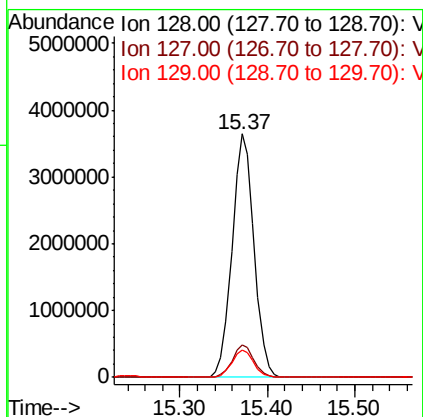
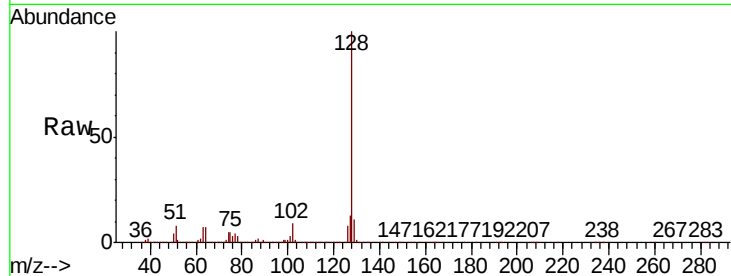




#95
Naphthalene
Concen: 212.381 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010335.D
Acq: 09 May 2019 13:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion:128 Resp: 6348976
Ion Ratio Lower Upper
128 100
127 13.2 10.6 15.8
129 11.1 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 175.667 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010335.D
Acq: 09 May 2019 13:31

Tgt Ion:180 Resp: 2537738
Ion Ratio Lower Upper
180 100
182 94.9 47.8 143.3
145 31.9 16.4 49.2

