

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW050919\
 Data File : VW010340.D
 Acq On : 09 May 2019 16:52
 Operator : SY/VA
 Sample : VW0509SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: May 10 02:22:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050919S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 13:55:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	1446334	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	2333439	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	2115815	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	1051350	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	817038	53.14	ug/l	0.00
Spiked Amount			Recovery	=	106.28%	
35) Dibromofluoromethane	7.88	113	719828	52.72	ug/l	0.00
Spiked Amount			Recovery	=	105.44%	
50) Toluene-d8	10.32	98	2916816	52.46	ug/l	0.00
Spiked Amount			Recovery	=	104.92%	
62) 4-Bromofluorobenzene	12.62	95	1047199	53.50	ug/l	0.00
Spiked Amount			Recovery	=	107.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	200002	18.289	ug/l	100
3) Chloromethane	2.21	50	273224	18.454	ug/l	100
4) Vinyl Chloride	2.37	62	343785	18.684	ug/l	98
5) Bromomethane	2.77	94	191676	18.065	ug/l	99
6) Chloroethane	2.92	64	203067	19.084	ug/l	98
7) Trichlorofluoromethane	3.25	101	162473	17.639	ug/l	98
8) Diethyl Ether	3.67	74	162199	20.031	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.05	101	283450	18.780	ug/l	98
10) Methyl Iodide	4.26	142	405036	18.950	ug/l	95
11) Tert butyl alcohol	5.18	59	100560	92.605	ug/l	99
12) 1,1-Dichloroethene	4.03	96	299093	18.964	ug/l	96
13) Acrolein	3.89	56	129637	90.422	ug/l	95
14) Allyl chloride	4.65	41	444691	18.889	ug/l	92
15) Acrylonitrile	5.36	53	397794	88.631	ug/l	98
16) Acetone	4.12	43	352807	88.014	ug/l	95
17) Carbon Disulfide	4.38	76	884119	18.535	ug/l	99
18) Methyl Acetate	4.67	43	176326	17.759	ug/l	93
19) Methyl tert-butyl Ether	5.42	73	387145	20.621	ug/l	97
20) Methylene Chloride	4.91	84	322379	19.282	ug/l	93
21) trans-1,2-Dichloroethene	5.42	96	324566	19.119	ug/l	94
22) Diisopropyl ether	6.31	45	983659	21.529	ug/l	97
23) Vinyl Acetate	6.25	43	3161316	100.766	ug/l	96
24) 1,1-Dichloroethane	6.21	63	600842	19.532	ug/l	98
25) 2-Butanone	7.17	43	558589	91.090	ug/l	97
26) 2,2-Dichloropropane	7.16	77	299034	19.538	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	345250	19.775	ug/l	96
28) Bromochloromethane	7.51	49	250862	22.120	ug/l	98
29) Tetrahydrofuran	7.53	42	362996	91.518	ug/l	95
30) Chloroform	7.67	83	578617	20.099	ug/l	99
31) Cyclohexane	7.95	56	605887	19.237	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	433115	19.423	ug/l	99
36) 1,1-Dichloropropene	8.08	75	484839	19.163	ug/l	99
37) Ethyl Acetate	7.25	43	242995	18.038	ug/l	97
38) Carbon Tetrachloride	8.06	117	412076	19.000	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Thu May 09 13:55:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	580750	18.764	ug/l	99
40) Benzene	8.32	78	1346708	19.436	ug/l	99
41) Methacrylonitrile	7.48	41	139506	18.466	ug/l	96
42) 1,2-Dichloroethane	8.40	62	400383	20.187	ug/l	97
43) Isopropyl Acetate	8.42	43	424133	18.984	ug/l	98
44) Trichloroethene	9.09	130	333365	19.218	ug/l	99
45) 1,2-Dichloropropane	9.37	63	342498	19.886	ug/l	99
46) Dibromomethane	9.46	93	173142	19.459	ug/l	99
47) Bromodichloromethane	9.64	83	419499	19.654	ug/l	98
48) Methyl methacrylate	9.43	41	202752	19.193	ug/l #	87
49) 1,4-Dioxane	9.45	88	57845	372.785	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	1218760	95.136	ug/l	94
52) Toluene	10.38	92	836184	19.744	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	425966	19.703	ug/l	95
54) cis-1,3-Dichloropropene	10.07	75	506165	19.769	ug/l	91
55) 1,1,2-Trichloroethane	10.79	97	247583	19.591	ug/l	99
56) Ethyl methacrylate	10.65	69	325409	19.499	ug/l #	90
57) 1,3-Dichloropropane	10.93	76	450201	19.927	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	902024	112.890	ug/l	100
59) 2-Hexanone	10.97	43	848266	93.652	ug/l	92
60) Dibromochloromethane	11.13	129	264596	19.457	ug/l	99
61) 1,2-Dibromoethane	11.24	107	235141	19.382	ug/l	97
64) Tetrachloroethene	10.86	164	278960	18.864	ug/l	98
65) Chlorobenzene	11.66	112	852813	19.471	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	289101	19.529	ug/l	98
67) Ethyl Benzene	11.73	91	1590702	19.742	ug/l	100
68) m/p-Xylenes	11.84	106	1194734	39.909	ug/l	99
69) o-Xylene	12.17	106	539438	19.920	ug/l	98
70) Styrene	12.18	104	945707	20.042	ug/l	99
71) Bromoform	12.35	173	157317	18.590	ug/l #	99
73) Isopropylbenzene	12.46	105	1513557	19.751	ug/l	100
74) N-amyl acetate	12.27	43	388552	19.626	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.71	83	317352	18.795	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	399509	32.592	ug/l #	100
77) Bromobenzene	12.75	156	337901	19.528	ug/l	96
78) n-propylbenzene	12.80	91	1883049	19.895	ug/l	99
79) 2-Chlorotoluene	12.90	91	1057651	19.622	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	1299550	20.115	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	96919	17.856	ug/l	92
82) 4-Chlorotoluene	12.99	91	1120963	19.849	ug/l	100
83) tert-Butylbenzene	13.21	119	1052052	19.523	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	1313852	20.465	ug/l	100
85) sec-Butylbenzene	13.38	105	1582424	19.892	ug/l	99
86) p-Isopropyltoluene	13.50	119	1420573	20.113	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	686643	19.873	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	678828	19.797	ug/l	99
89) n-Butylbenzene	13.83	91	1409143	19.897	ug/l	99
90) Hexachloroethane	14.10	117	249640	19.056	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	607340	19.857	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	53876	17.719	ug/l	95

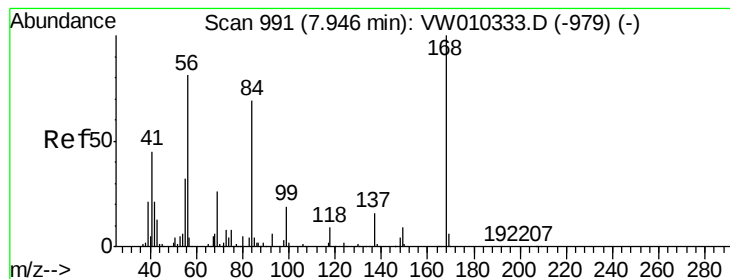
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	422747	20.252	ug/l	100
94) Hexachlorobutadiene	15.24	225	269060	20.106	ug/l	97
95) Naphthalene	15.37	128	810497	19.368	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	374367	19.852	ug/l	100

(#) = 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: VW010340.D

Acq: 09 May 2019 16:52

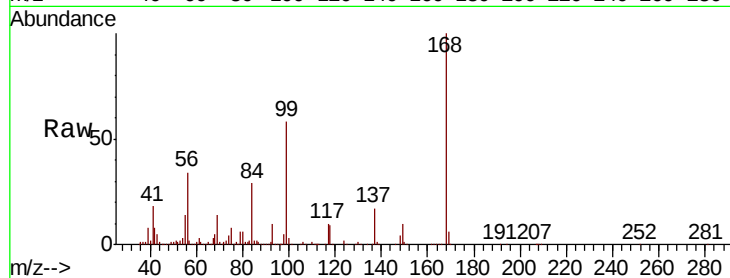
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 1446334

Ion Ratio Lower Upper

168 100

99 58.1 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

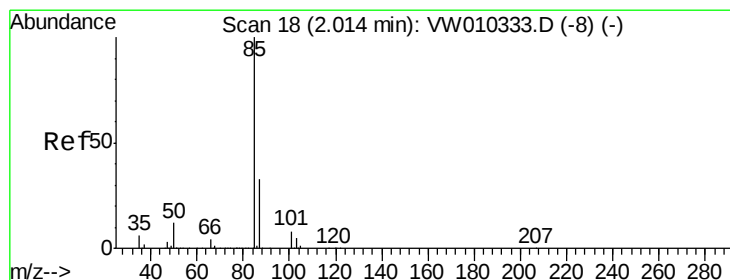
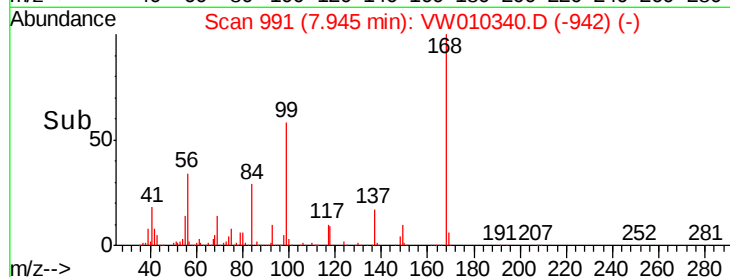
600000

400000

200000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.289 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW010340.D

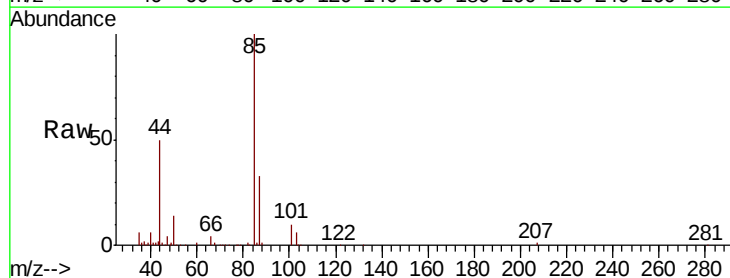
Acq: 09 May 2019 16:52

Tgt Ion: 85 Resp: 200002

Ion Ratio Lower Upper

85 100

87 32.7 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

60000

50000

40000

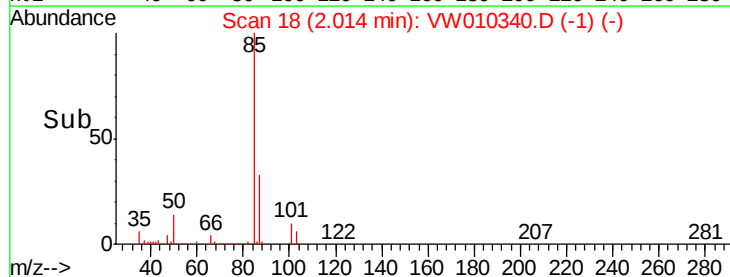
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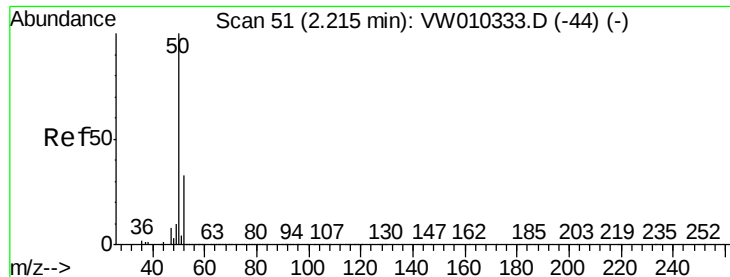
20000

10000

0

Time-->





#3

Chloromethane

Concen: 18.454 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW010340.D

Acq: 09 May 2019 16:52

Instrument :

MSVOA_W

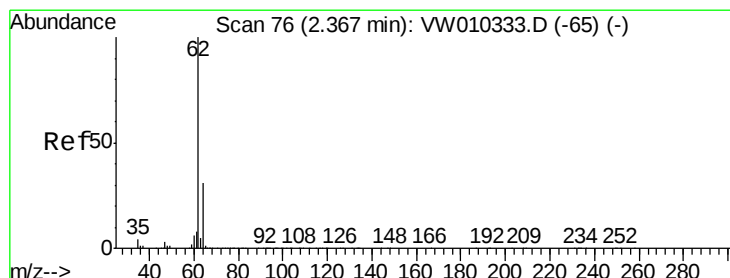
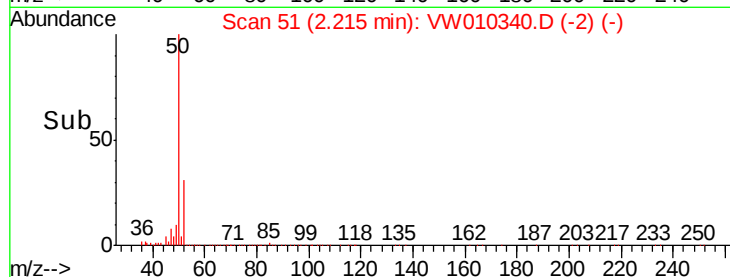
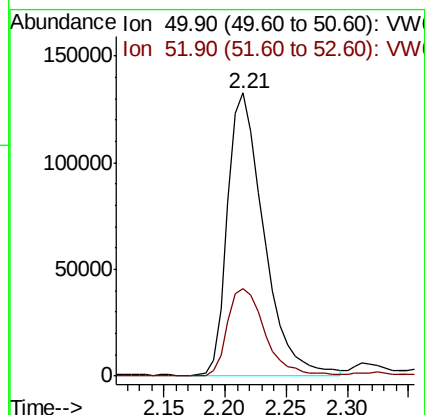
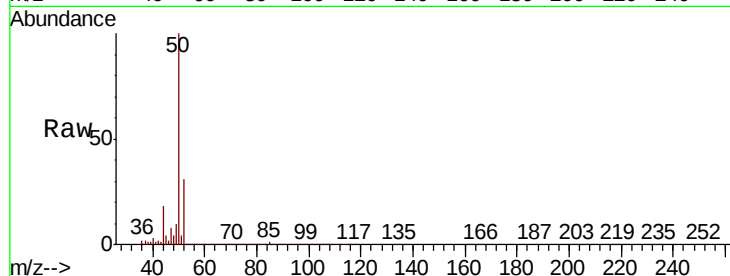
ClientSampleId :

Tot Ion: 50 Resp: 273224

Ion Ratio Lower Upper

50 100

52 31.2 25.0 37.6



#4

Vinyl Chloride

Concen: 18.684 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW010340.D

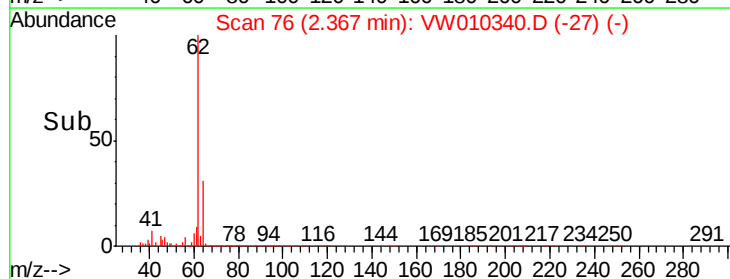
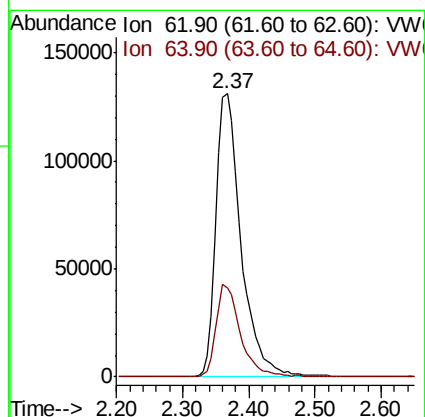
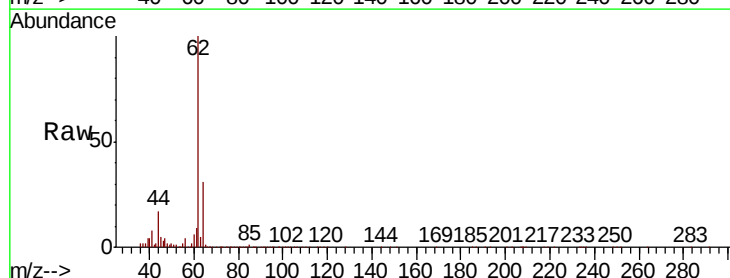
Acq: 09 May 2019 16:52

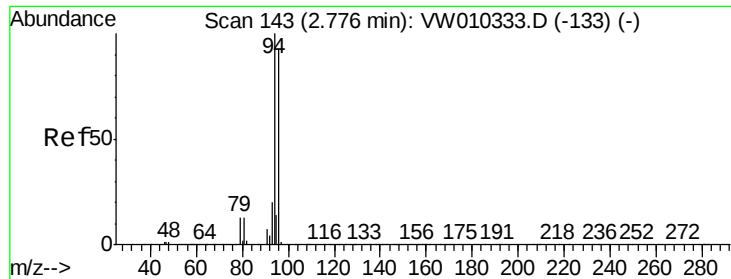
Tgt Ion: 62 Resp: 343785

Ion Ratio Lower Upper

62 100

64 31.2 25.9 38.9





#5

Bromomethane

Concen: 18.065 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW010340.D

Acq: 09 May 2019 16:52

Instrument :

MSVOA_W

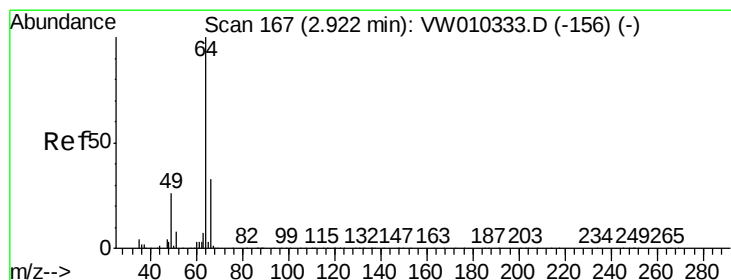
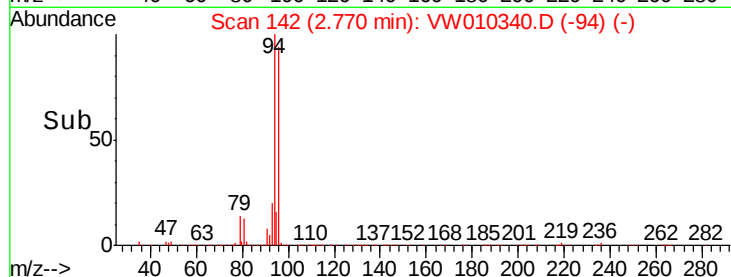
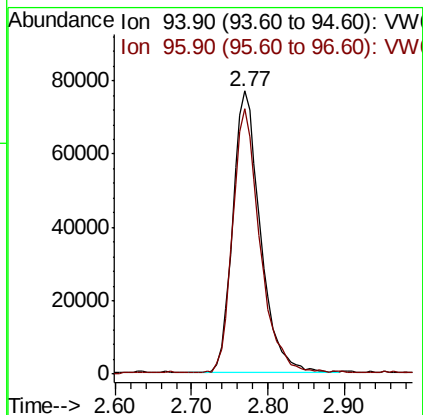
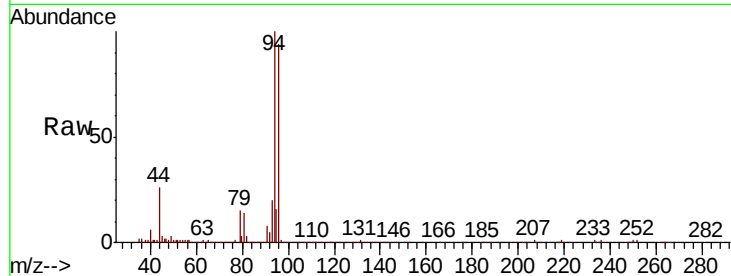
ClientSampleId :

Tot Ion: 94 Resp: 191676

Ion Ratio Lower Upper

94 100

96 93.9 74.2 111.2



#6

Chloroethane

Concen: 19.084 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW010340.D

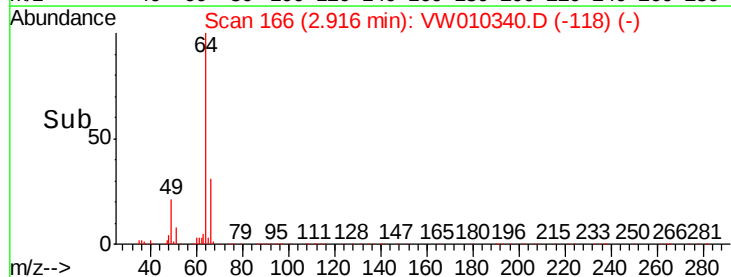
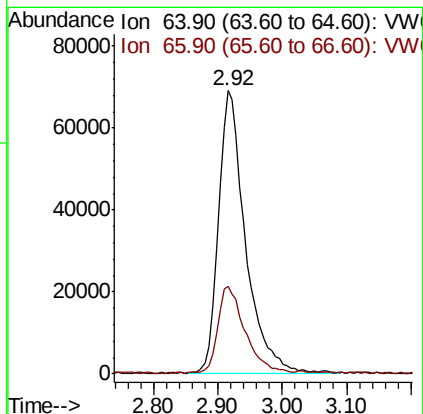
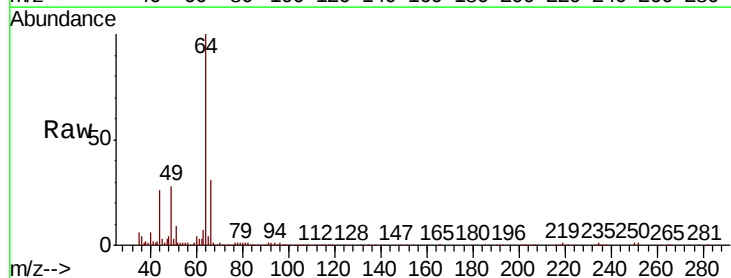
Acq: 09 May 2019 16:52

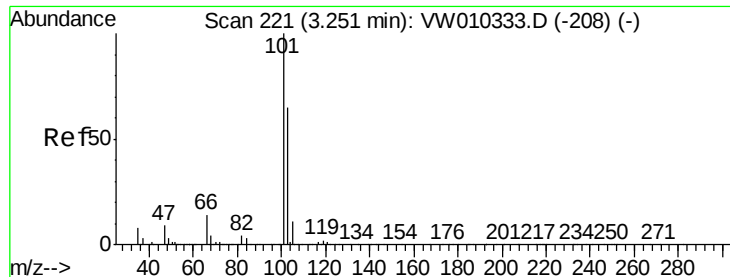
Tgt Ion: 64 Resp: 203067

Ion Ratio Lower Upper

64 100

66 30.4 23.4 35.0



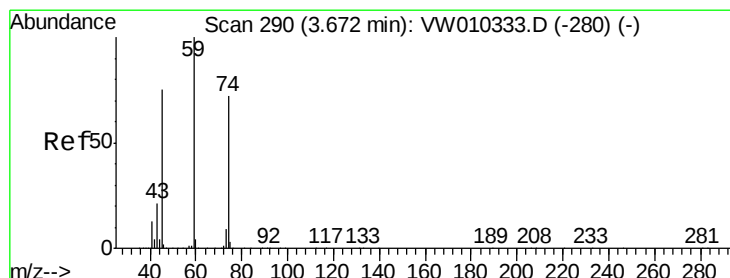
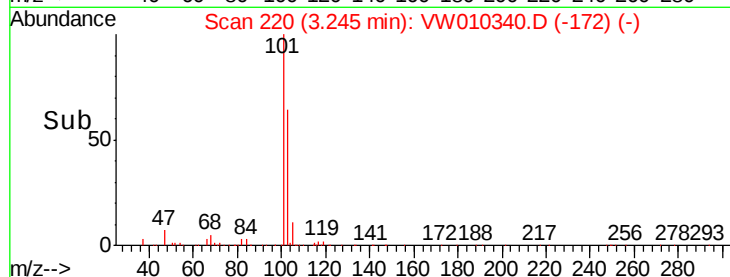
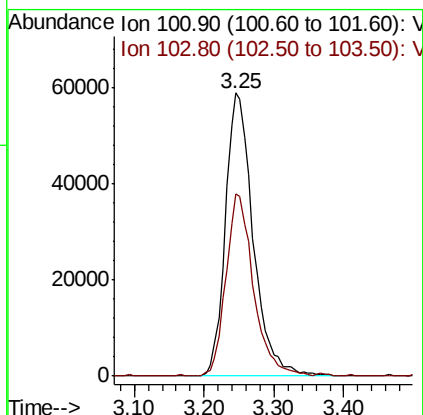
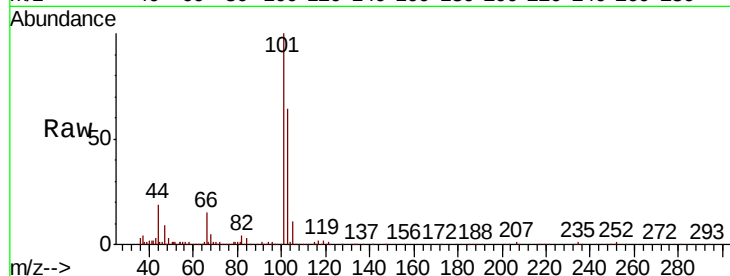


#7

Trichlorofluoromethane
Concen: 17.639 ug/l
RT: 3.25 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW010340.D
Acq: 09 May 2019 16:52

Instrument :
MSVOA_W
ClientSampled :

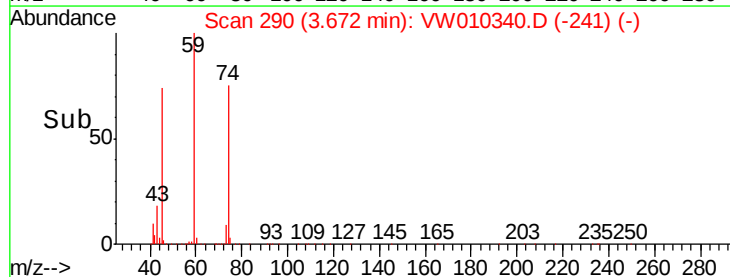
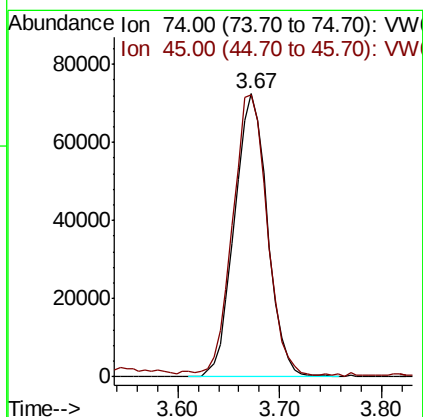
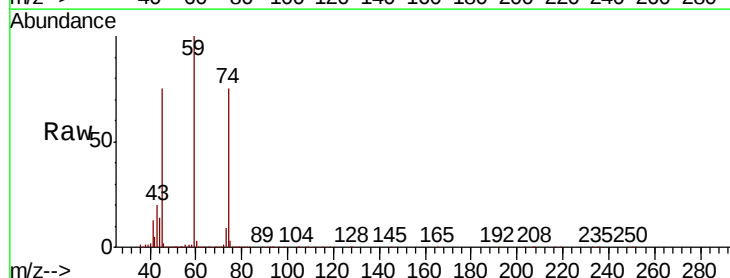
Tot Ion:101 Resp: 162473
Ion Ratio Lower Upper
101 100
103 64.1 49.8 74.6

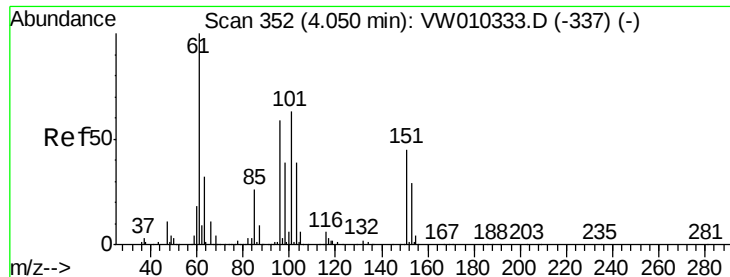


#8

Diethyl Ether
Concen: 20.031 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.00 min
Lab File: VW010340.D
Acq: 09 May 2019 16:52

Tgt Ion: 74 Resp: 162199
Ion Ratio Lower Upper
74 100
45 102.4 56.0 168.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.780 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.00 min

Lab File: VW010340.D

Acq: 09 May 2019 16:52

Instrument :

MSVOA_W

ClientSampleId :

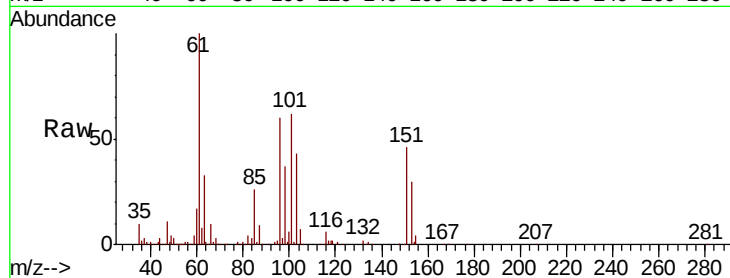
Tot Ion:101 Resp: 283450

Ion Ratio Lower Upper

101 100

85 43.0 36.3 54.5

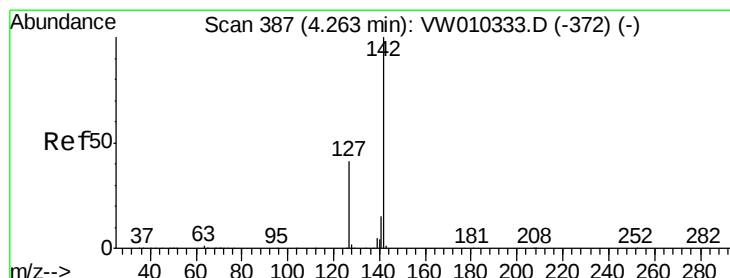
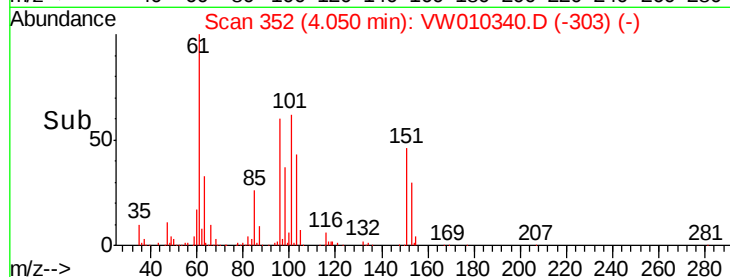
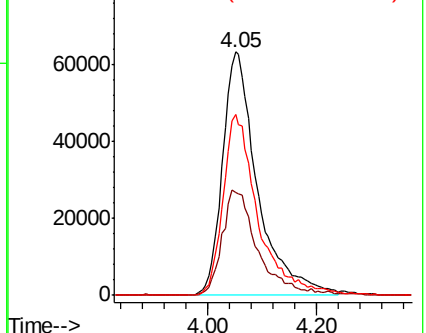
151 73.9 60.2 90.2



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: 18.950 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.00 min

Lab File: VW010340.D

Acq: 09 May 2019 16:52

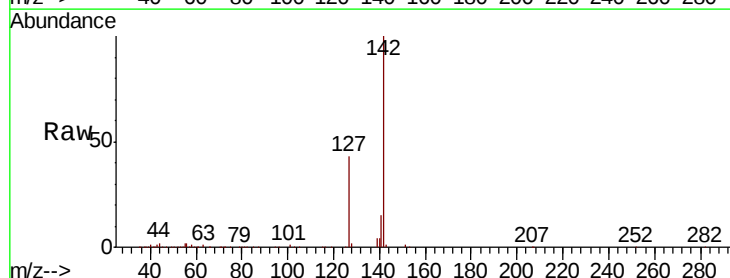
Tgt Ion:142 Resp: 405036

Ion Ratio Lower Upper

142 100

127 43.3 38.1 57.1

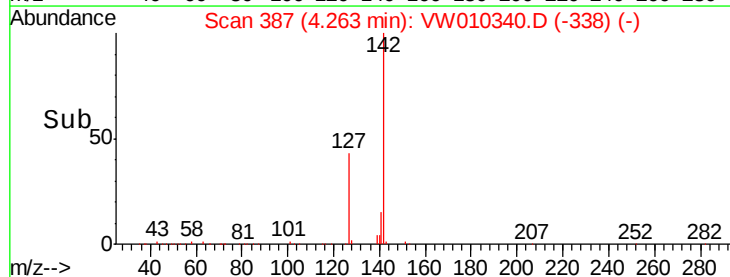
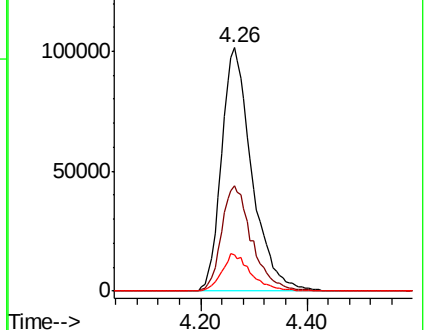
141 14.7 12.2 18.2

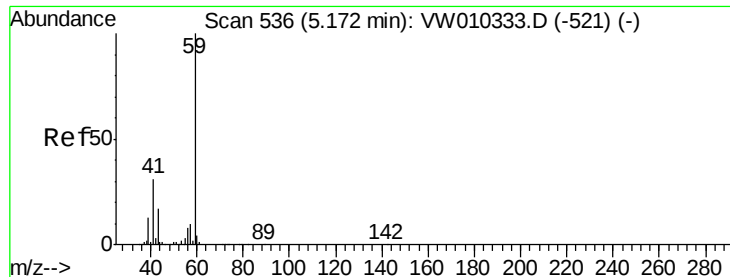


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

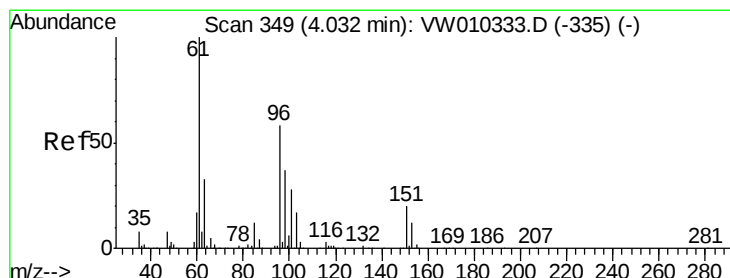
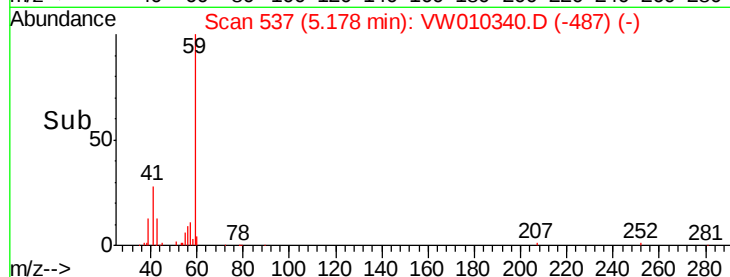
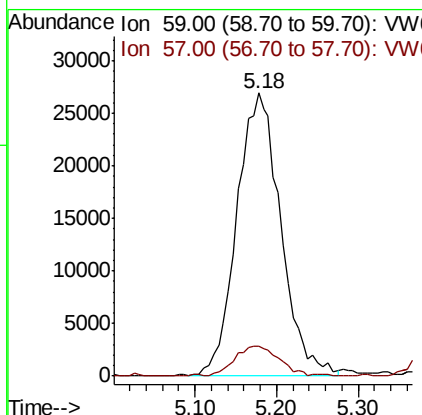
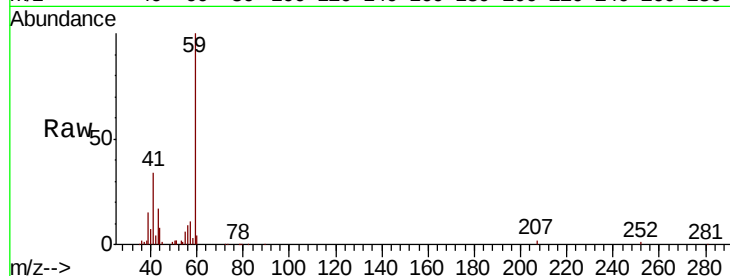




#11
Tert butyl alcohol
Concen: 92.605 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.01 min
Lab File: VW010340.D
Acq: 09 May 2019 16:52

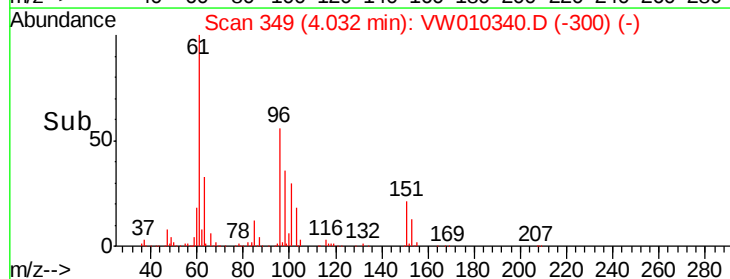
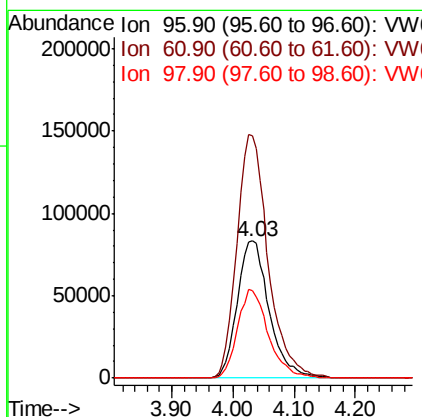
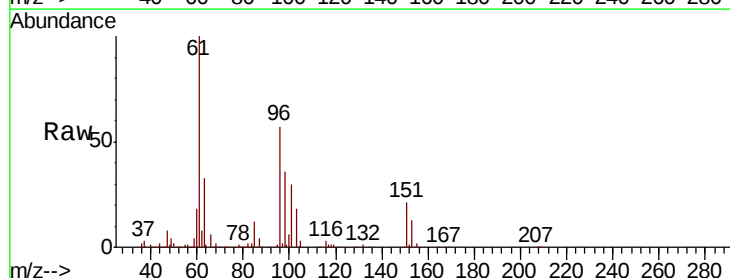
Instrument :
MSVOA_W
ClientSampled :

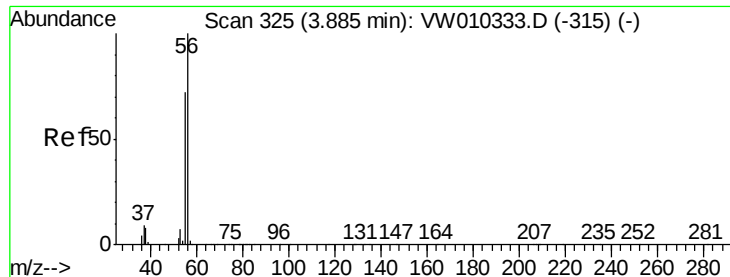
Tot Ion: 59 Resp: 100560
Ion Ratio Lower Upper
59 100
57 10.7 9.0 13.4



#12
1,1-Dichloroethene
Concen: 18.964 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.00 min
Lab File: VW010340.D
Acq: 09 May 2019 16:52

Tgt Ion: 96 Resp: 299093
Ion Ratio Lower Upper
96 100
61 176.9 147.4 221.2
98 64.0 49.7 74.5





#13

Acrolein

Concen: 90.422 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.00 min

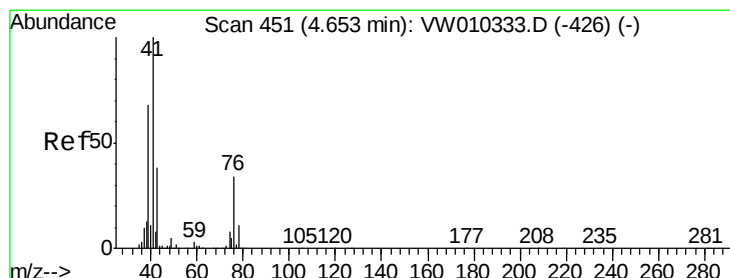
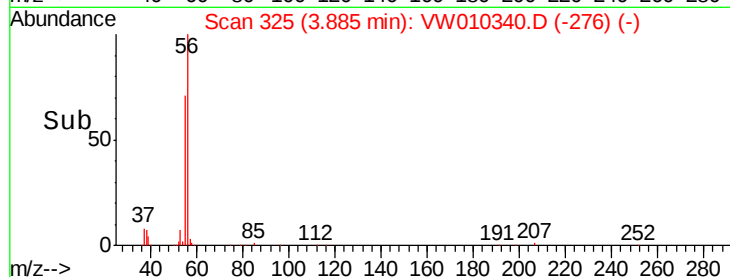
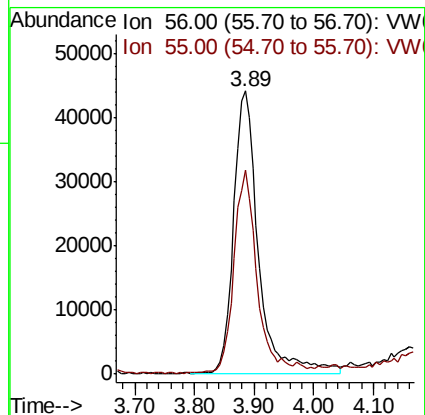
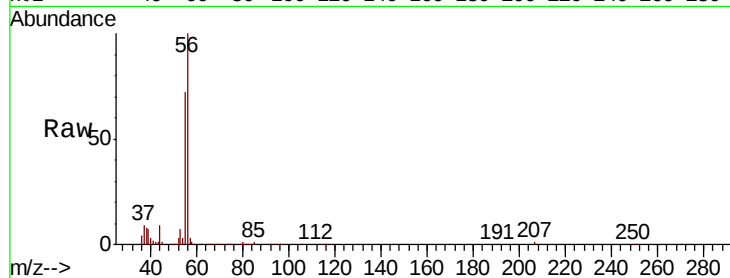
Lab File: VW010340.D

Acq: 09 May 2019 16:52

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 129637

Ion	Ratio	Lower	Upper
56	100		
55	63.9	54.2	81.2



#14

Allyl chloride

Concen: 18.889 ug/l

RT: 4.65 min Scan# 451

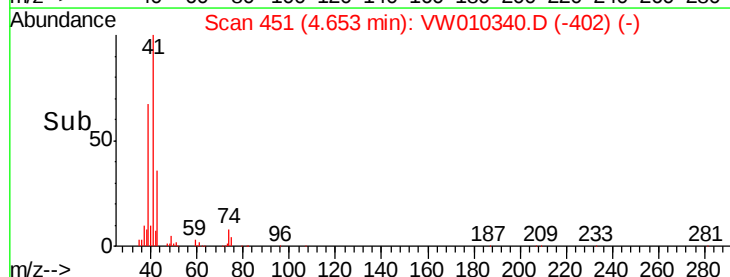
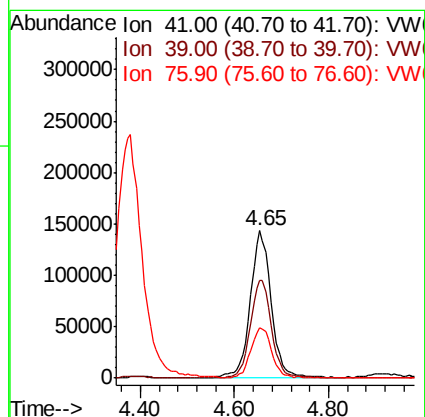
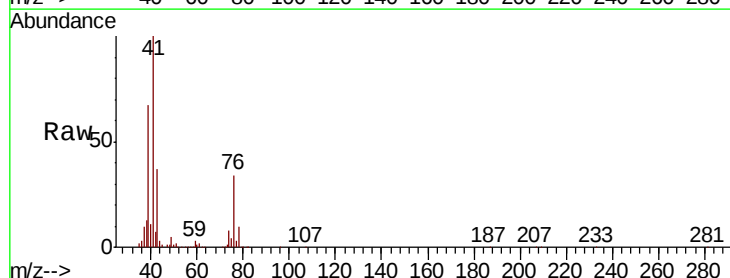
Delta R.T. -0.00 min

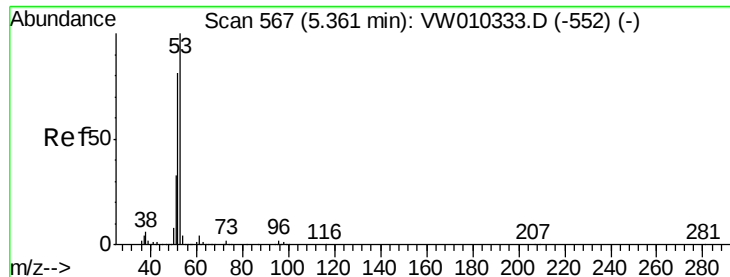
Lab File: VW010340.D

Acq: 09 May 2019 16:52

Tgt Ion: 41 Resp: 444691

Ion	Ratio	Lower	Upper
41	100		
39	67.5	60.2	90.4
76	33.7	25.0	37.6





#15

Acrylonitrile

Concen: 88.631 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.00 min

Lab File: VW010340.D

Acq: 09 May 2019 16:52

Instrument :

MSVOA_W

ClientSampleId :

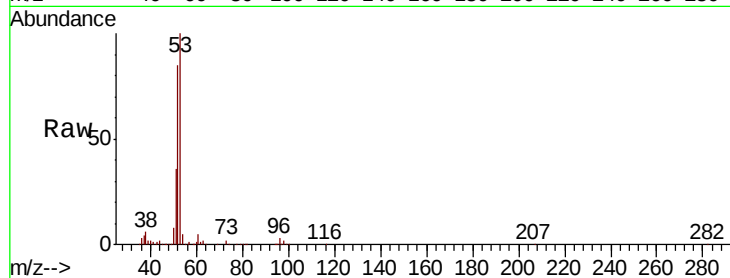
Tot Ion: 53 Resp: 397794

Ion Ratio Lower Upper

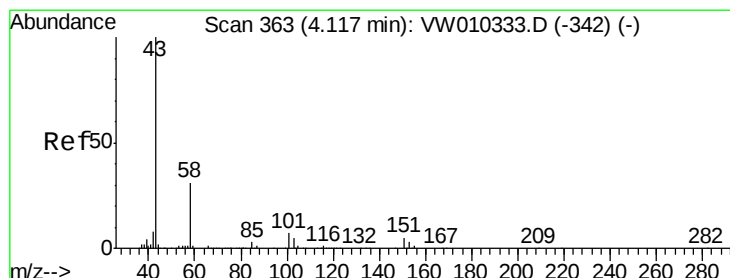
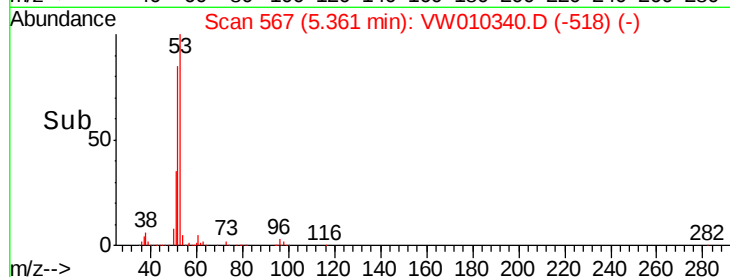
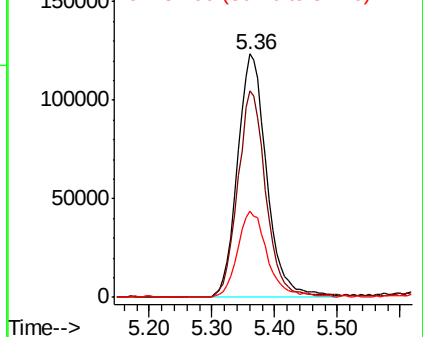
53 100

52 81.4 66.6 100.0

51 36.3 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: 88.014 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW010340.D

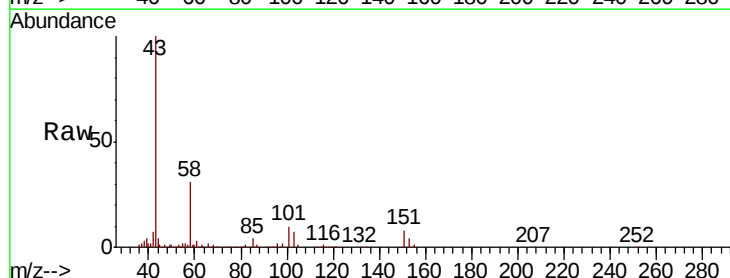
Acq: 09 May 2019 16:52

Tgt Ion: 43 Resp: 352807

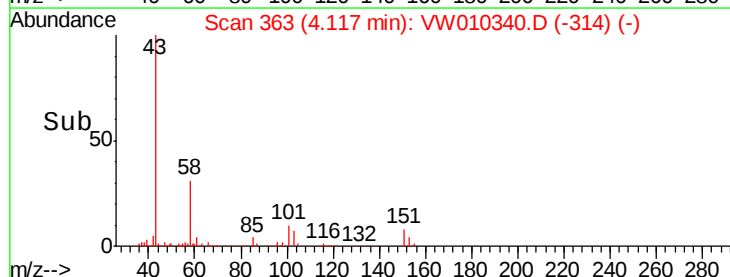
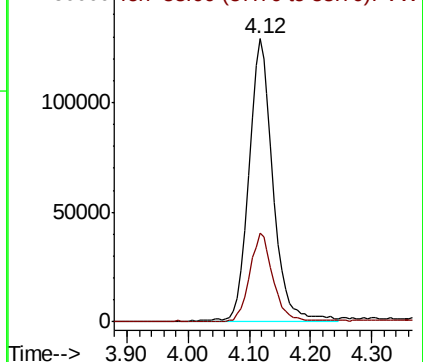
Ion Ratio Lower Upper

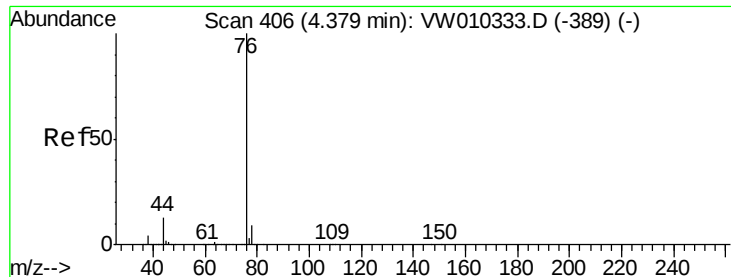
43 100

58 31.1 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: 18.535 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW010340.D

Acq: 09 May 2019 16:52

Instrument :

MSVOA_W

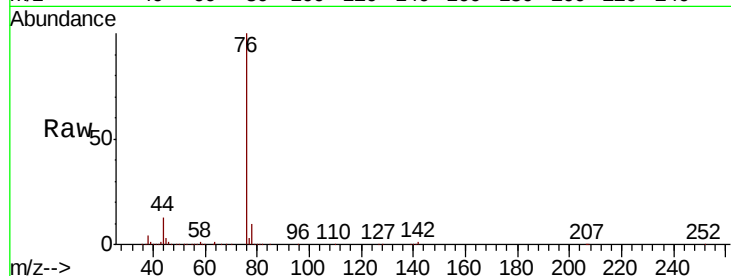
ClientSampleId :

Tot Ion: 76 Resp: 884119

Ion Ratio Lower Upper

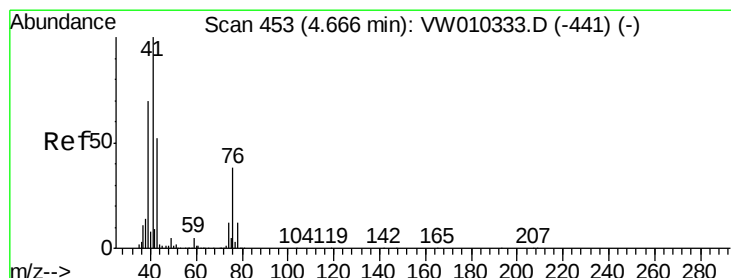
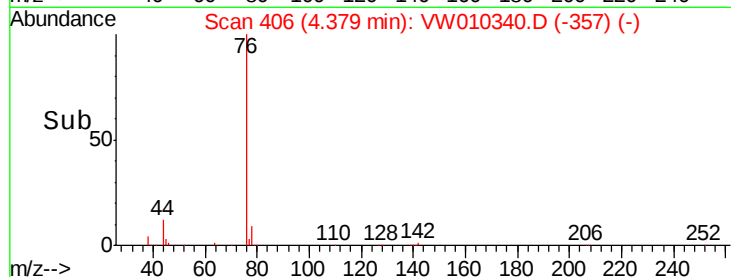
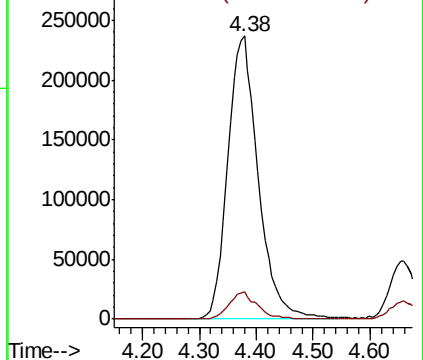
76 100

78 9.6 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: 17.759 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW010340.D

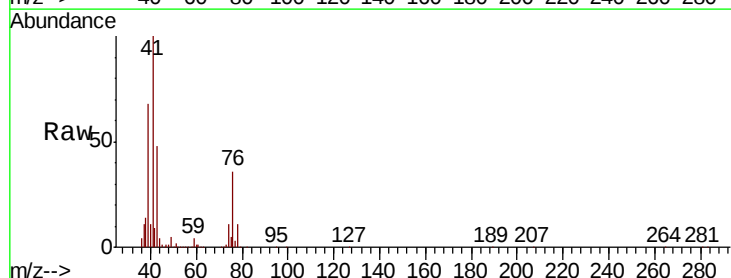
Acq: 09 May 2019 16:52

Tgt Ion: 43 Resp: 176326

Ion Ratio Lower Upper

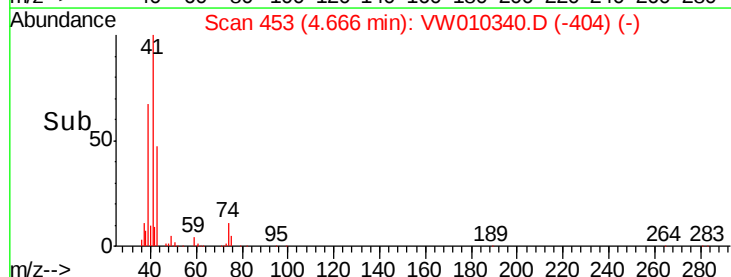
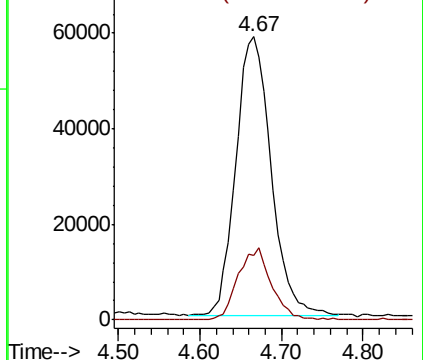
43 100

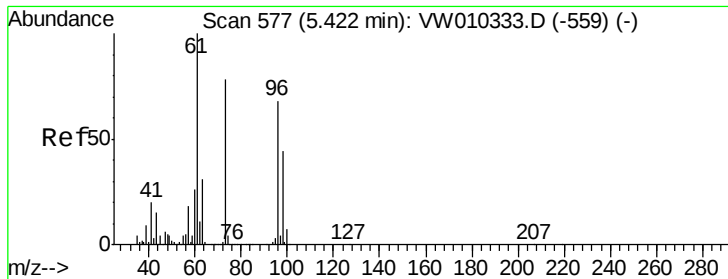
74 24.2 16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

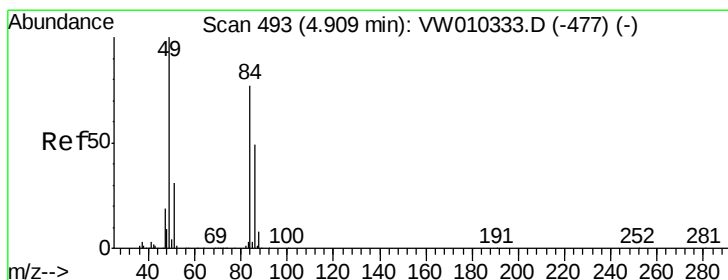
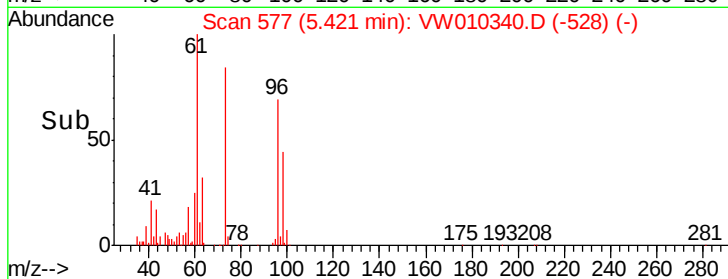
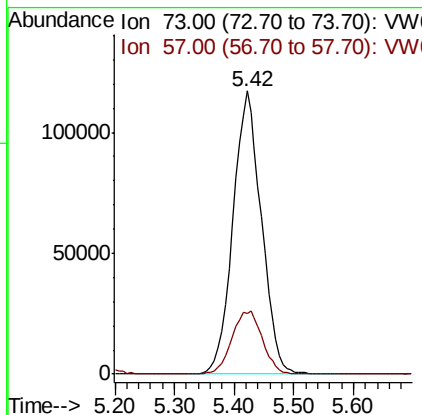
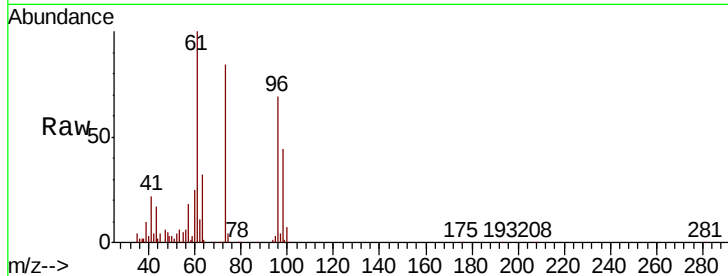




#19
Methvl tert-butvl Ether
Concen: 20.621 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW010340.D
Acq: 09 May 2019 16:52

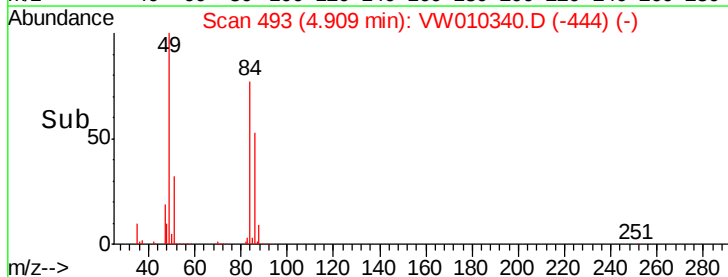
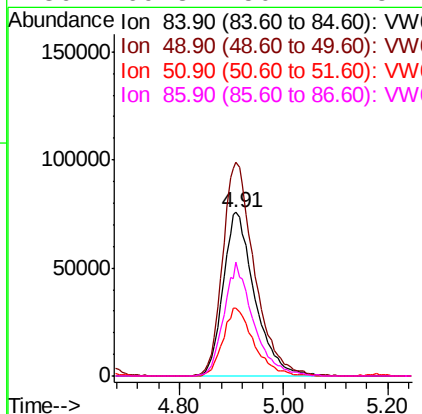
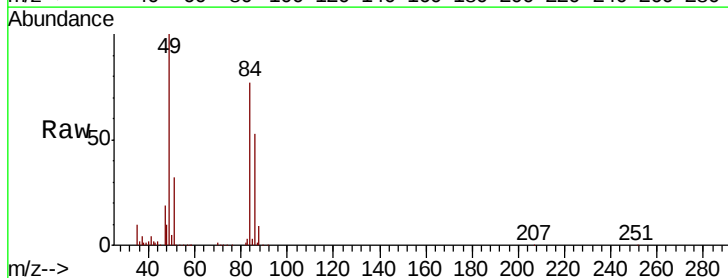
Instrument :
MSVOA_W
ClientSampleId :

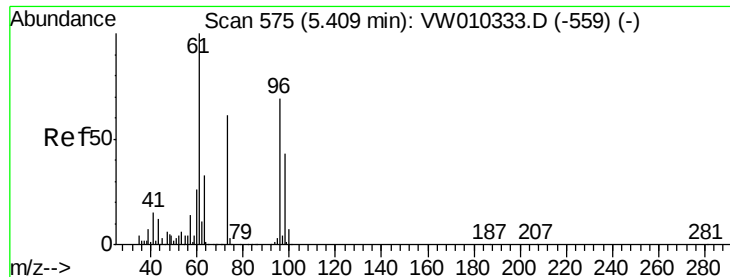
Tot Ion: 73 Resp: 387145
Ion Ratio Lower Upper
73 100
57 21.6 18.5 27.7



#20
Methylene Chloride
Concen: 19.282 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.00 min
Lab File: VW010340.D
Acq: 09 May 2019 16:52

Tgt Ion: 84 Resp: 322379
Ion Ratio Lower Upper
84 100
49 130.3 112.3 168.5
51 41.2 33.9 50.9
86 69.3 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 19.119 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.01 min

Lab File: VW010340.D

Acq: 09 May 2019 16:52

Instrument :

MSVOA_W

ClientSampleId :

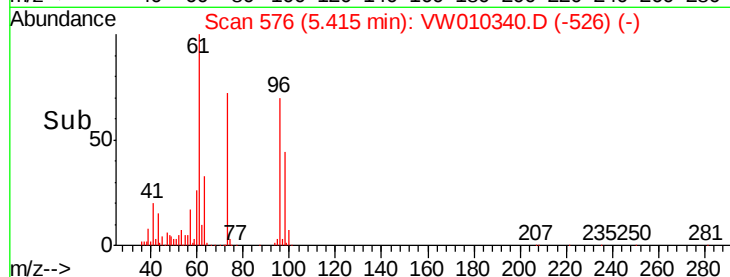
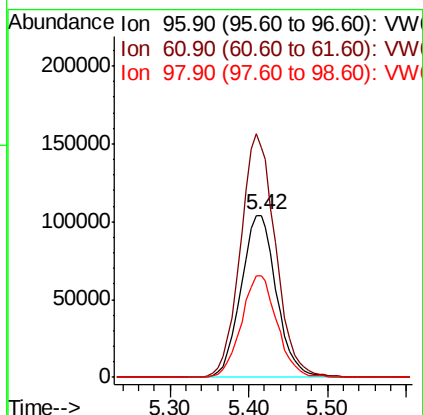
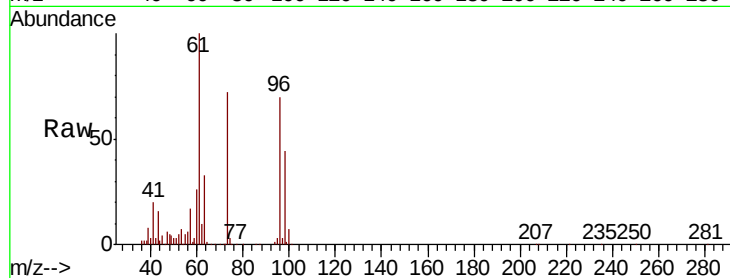
Tot Ion: 96 Resp: 324566

Ion Ratio Lower Upper

96 100

61 142.2 122.3 183.5

98 62.8 50.5 75.7



#22

Diisopropyl ether

Concen: 21.529 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW010340.D

Acq: 09 May 2019 16:52

Tgt Ion: 45 Resp: 983659

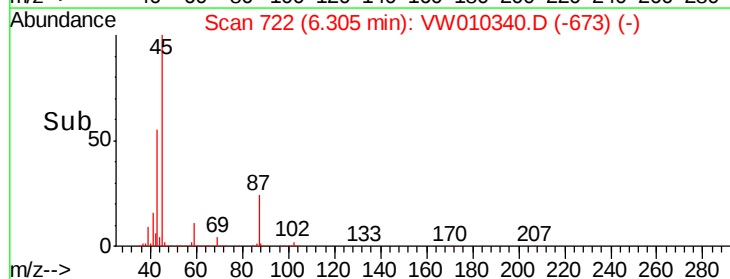
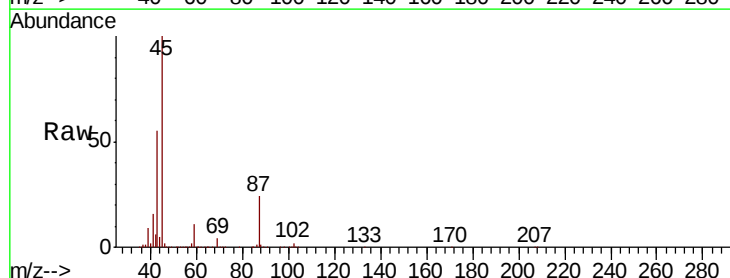
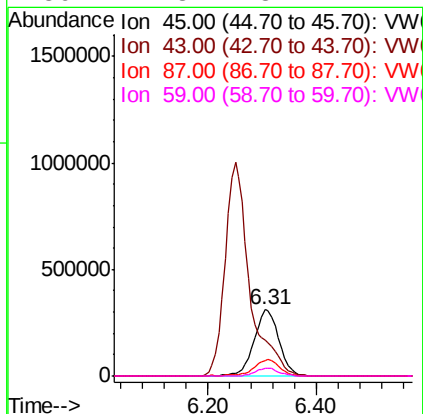
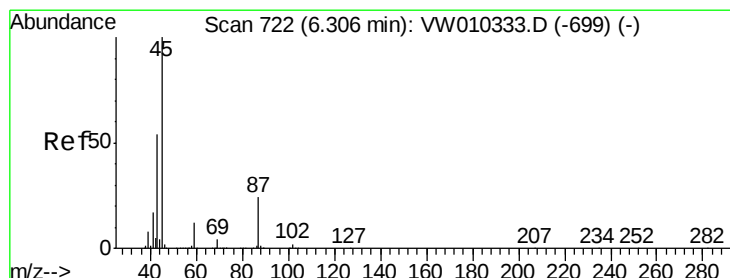
Ion Ratio Lower Upper

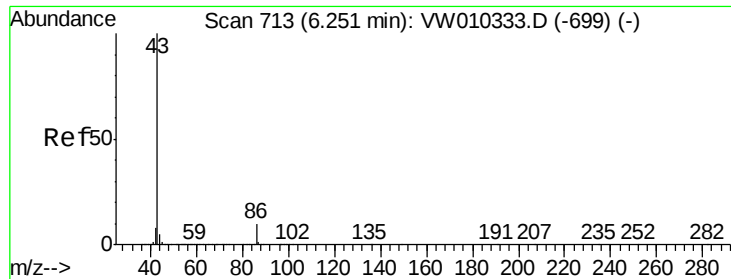
45 100

43 55.0 46.1 69.1

87 23.6 18.3 27.5

59 11.3 8.2 12.4

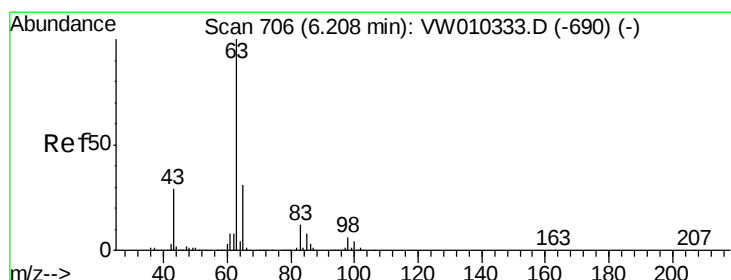
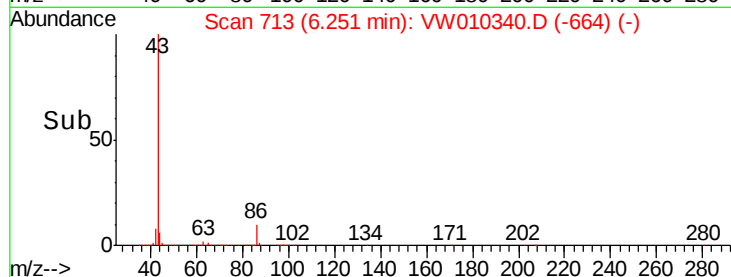
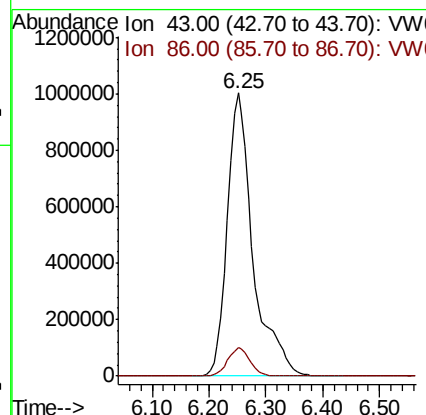
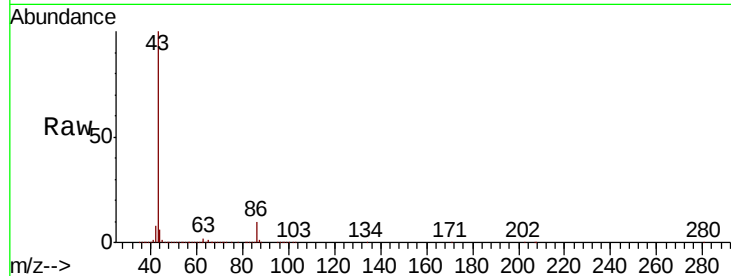




#23
 Vinyl Acetate
 Concen: 100.766 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VW010340.D
 Acq: 09 May 2019 16:52

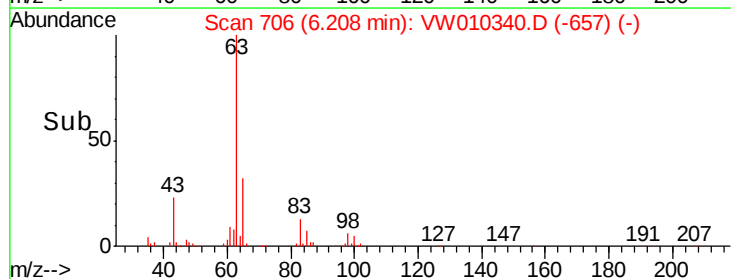
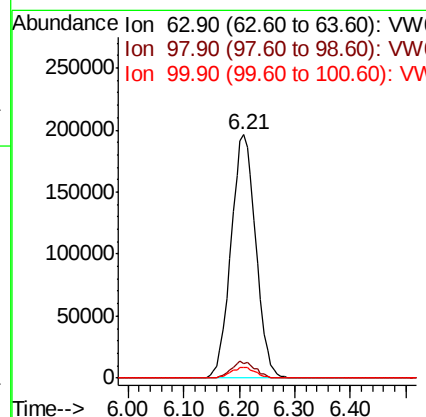
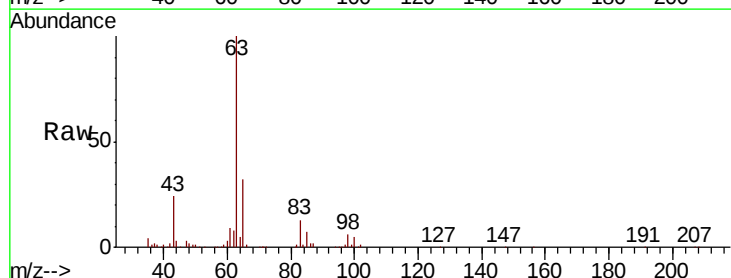
Instrument :
 MSVOA_W
 ClientSampled :

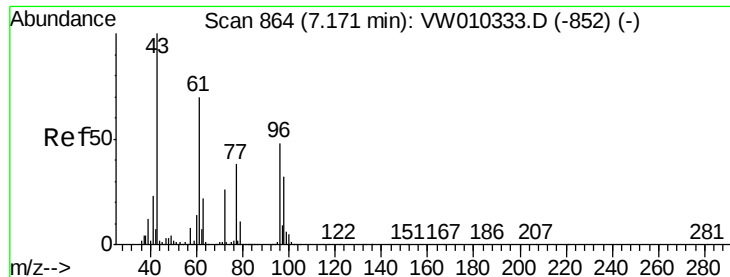
Tot Ion: 43 Resp: 3161316
 Ion Ratio Lower Upper
 43 100
 86 10.3 7.0 10.6



#24
 1,1-Dichloroethane
 Concen: 19.532 ug/l
 RT: 6.21 min Scan# 706
 Delta R.T. -0.00 min
 Lab File: VW010340.D
 Acq: 09 May 2019 16:52

Tgt Ion: 63 Resp: 600842
 Ion Ratio Lower Upper
 63 100
 98 5.9 3.3 9.8
 100 4.6 2.0 6.0





#25

2-Butanone

Concen: 91.090 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010340.D

Acq: 09 May 2019 16:52

Instrument :

MSVOA_W

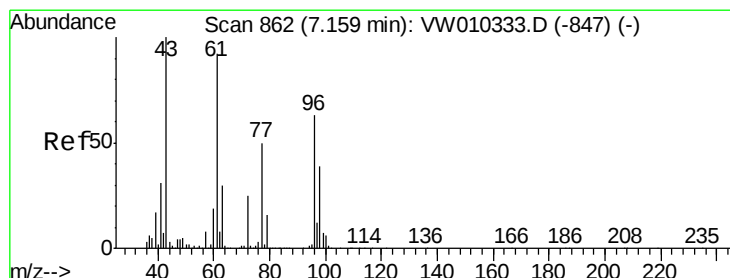
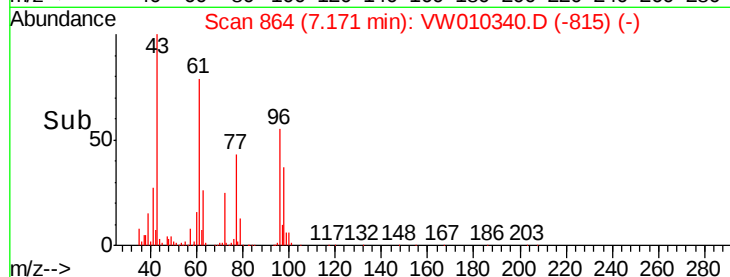
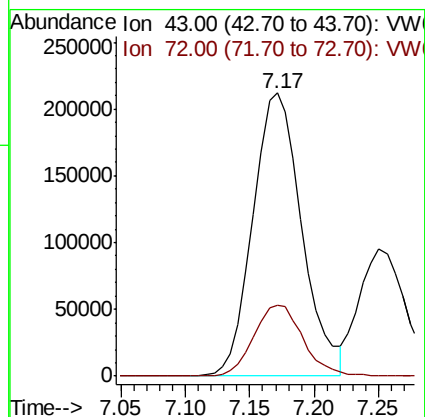
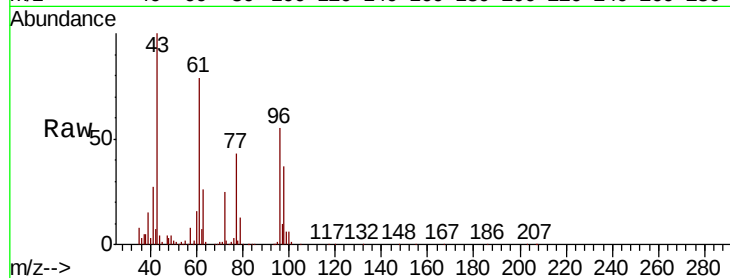
ClientSampleId :

Tot Ion: 43 Resp: 558589

Ion Ratio Lower Upper

43 100

72 25.3 19.1 28.7



#26

2,2-Dichloropropane

Concen: 19.538 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.00 min

Lab File: VW010340.D

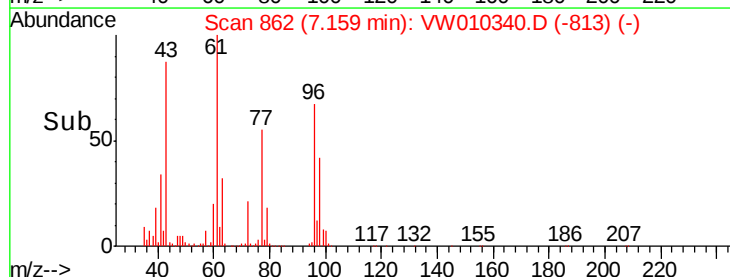
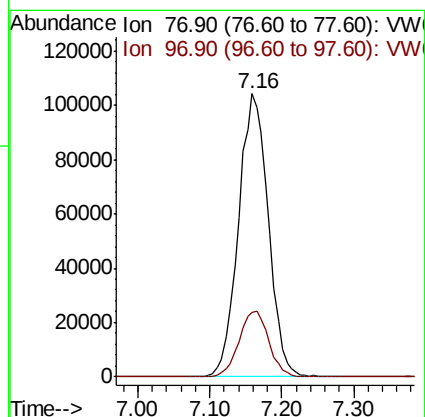
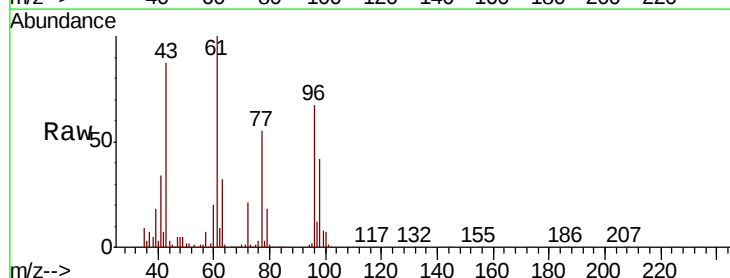
Acq: 09 May 2019 16:52

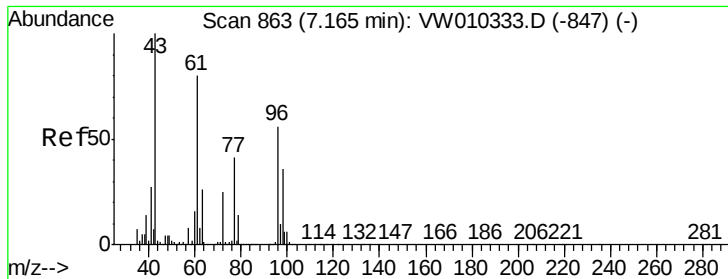
Tgt Ion: 77 Resp: 299034

Ion Ratio Lower Upper

77 100

97 23.2 11.3 33.9



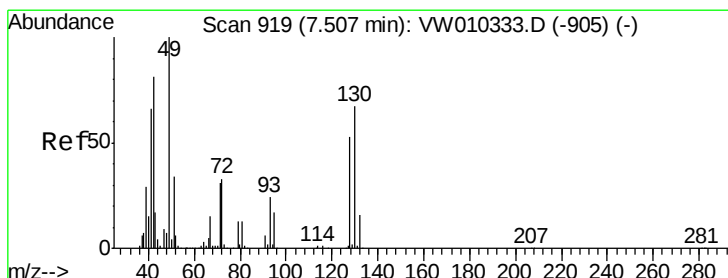
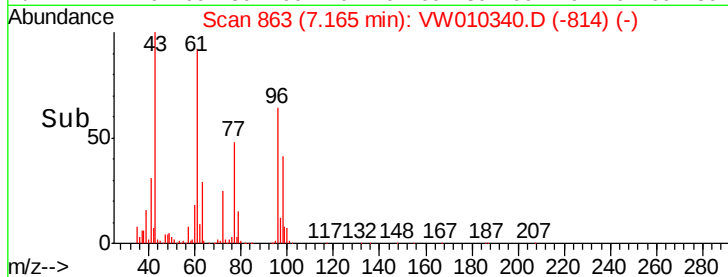
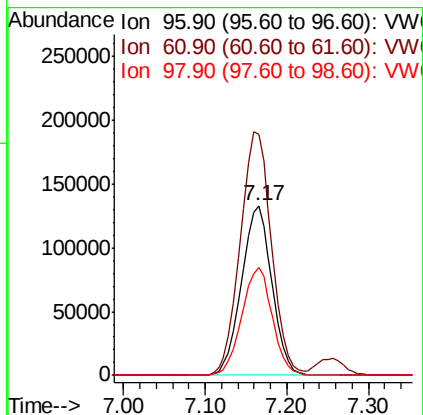
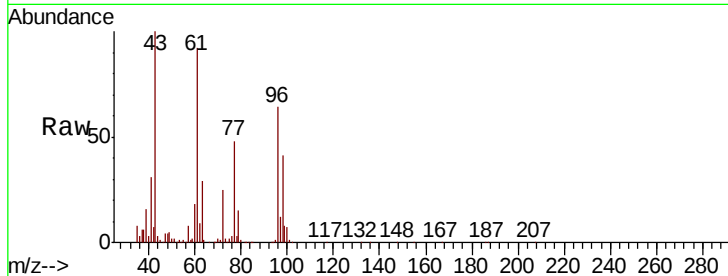


#27

cis-1,2-Dichloroethene
Concen: 19.775 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW010340.D
Acq: 09 May 2019 16:52

Instrument :
MSVOA_W
ClientSampled :

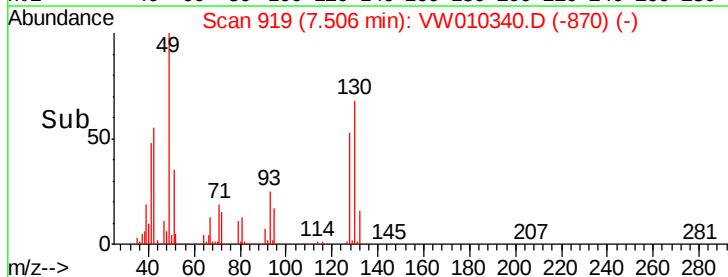
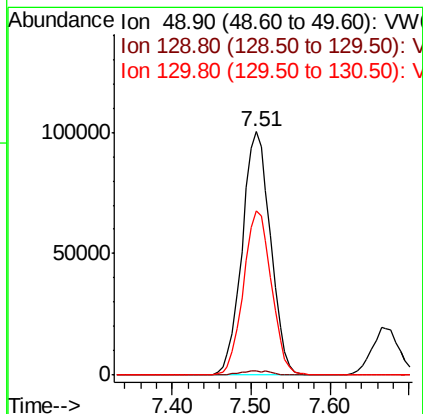
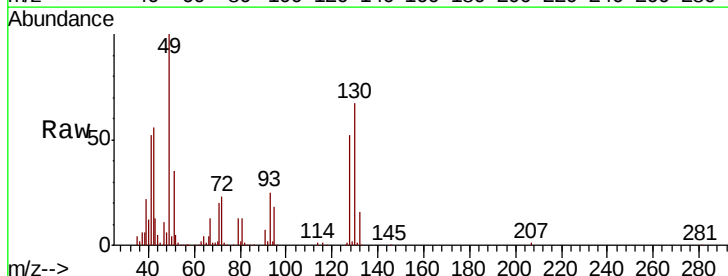
Tot Ion	96	Resp	345250
Ion	Ratio	Lower	Upper
96	100		
61	147.1	0.0	309.4
98	63.9	0.0	128.6

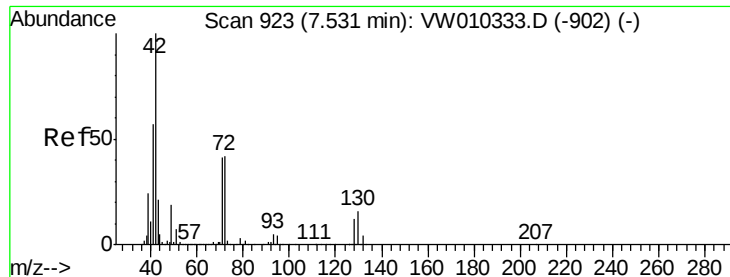


#28

Bromochloromethane
Concen: 22.120 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW010340.D
Acq: 09 May 2019 16:52

Tgt Ion	49	Resp	250862
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.8
130	66.7	54.6	82.0

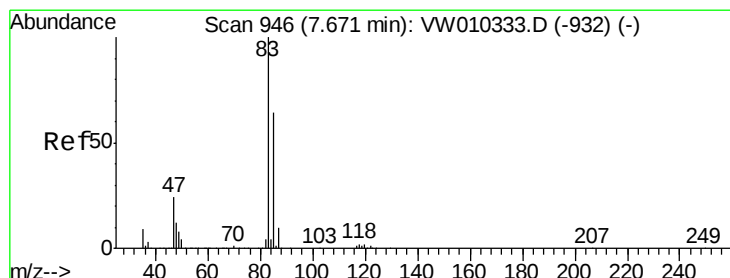
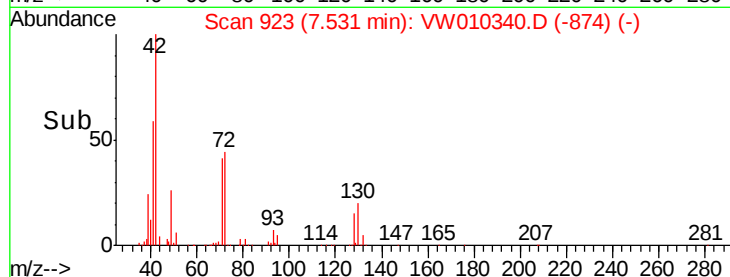
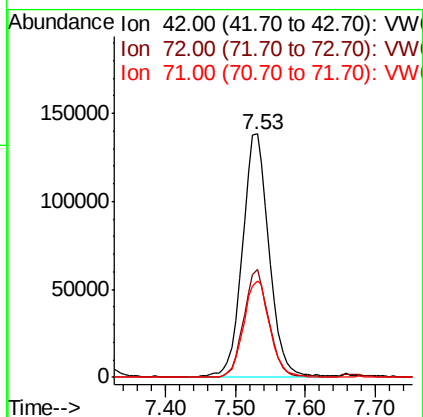
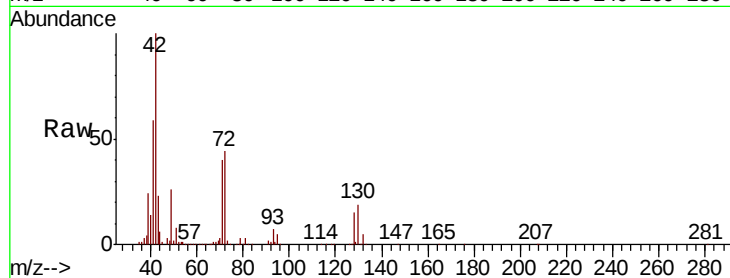




#29
Tetrahydrofuran
Concen: 91.518 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW010340.D
Acq: 09 May 2019 16:52

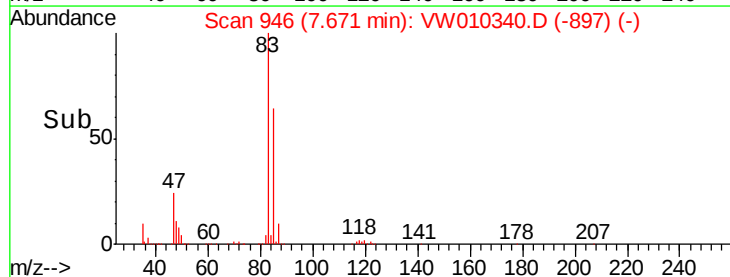
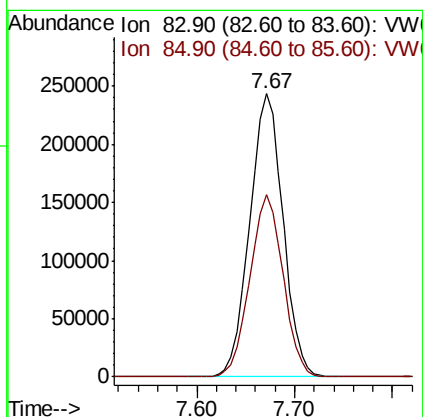
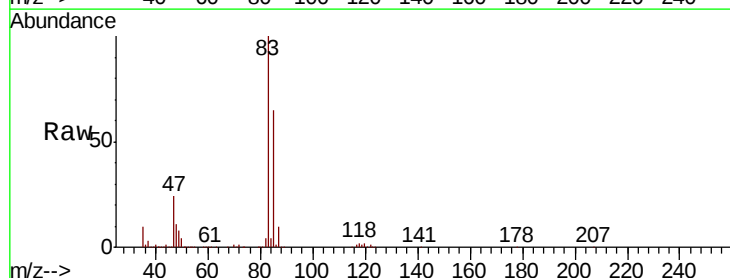
Instrument :
MSVOA_W
ClientSampled :

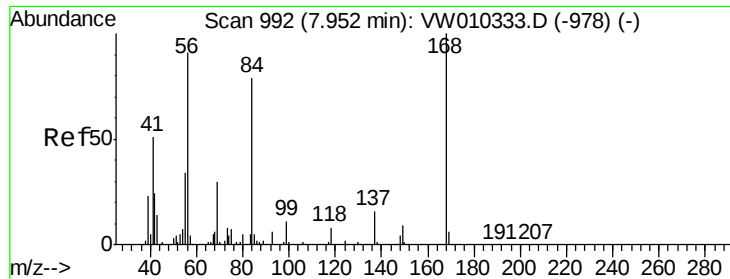
Tot Ion: 42 Resp: 362996
Ion Ratio Lower Upper
42 100
72 42.1 31.0 46.6
71 39.4 29.7 44.5



#30
Chloroform
Concen: 20.099 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW010340.D
Acq: 09 May 2019 16:52

Tgt Ion: 83 Resp: 578617
Ion Ratio Lower Upper
83 100
85 64.5 50.7 76.1





#31

Cyclohexane

Concen: 19.237 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010340.D

Acq: 09 May 2019 16:52

Instrument :
MSVOA_W
ClientSampled :

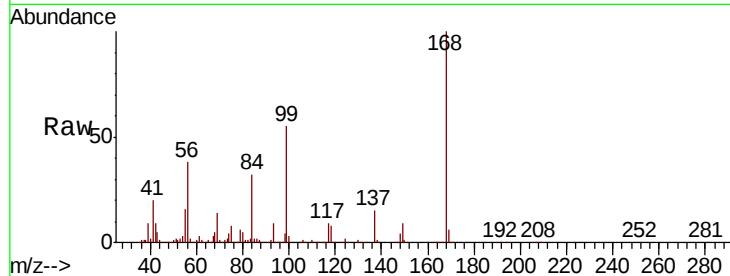
Tot Ion: 56 Resp: 605887

Ion Ratio Lower Upper

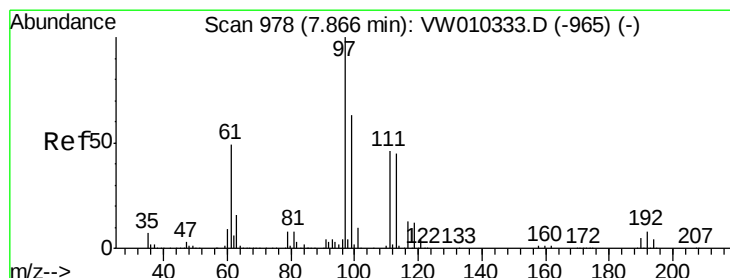
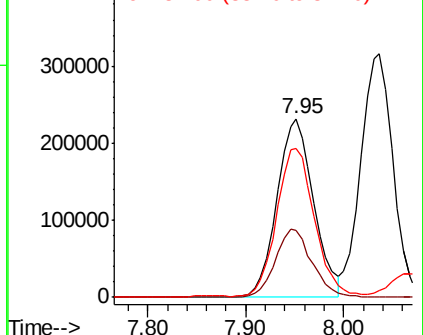
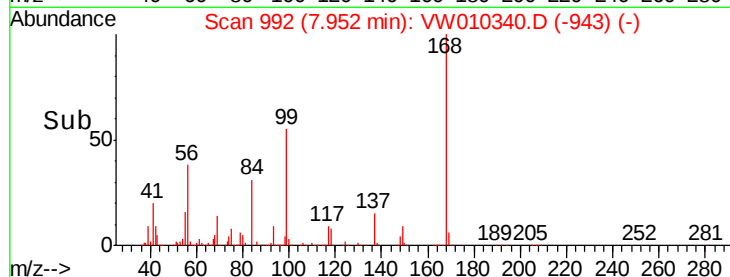
56 100

69 37.3 26.6 40.0

84 83.4 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: 19.423 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.01 min

Lab File: VW010340.D

Acq: 09 May 2019 16:52

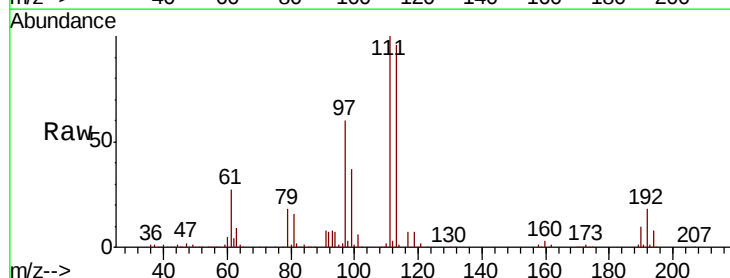
Tgt Ion: 97 Resp: 433115

Ion Ratio Lower Upper

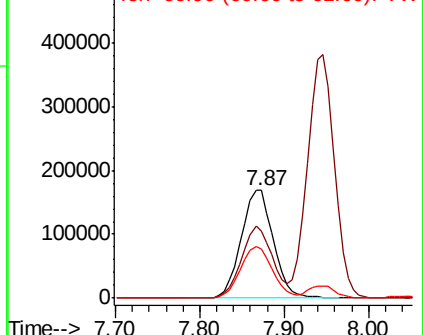
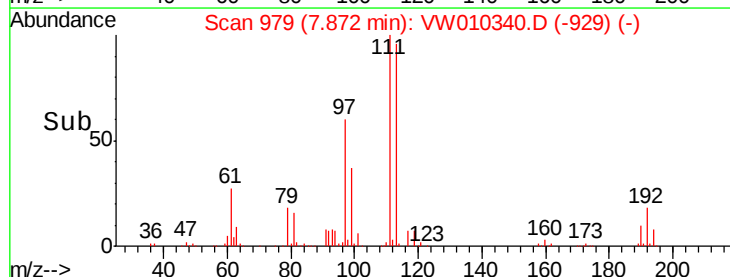
97 100

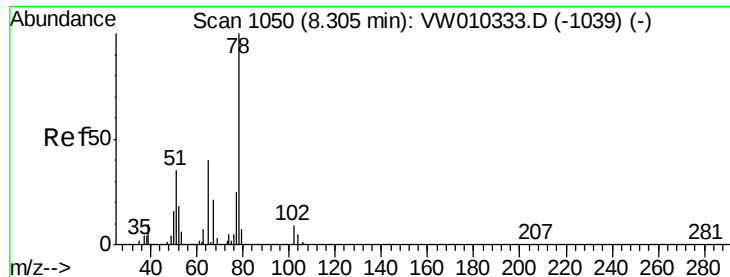
99 64.1 50.2 75.2

61 48.0 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: 53.136 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010340.D

Acq: 09 May 2019 16:52

Instrument :

MSVOA_W

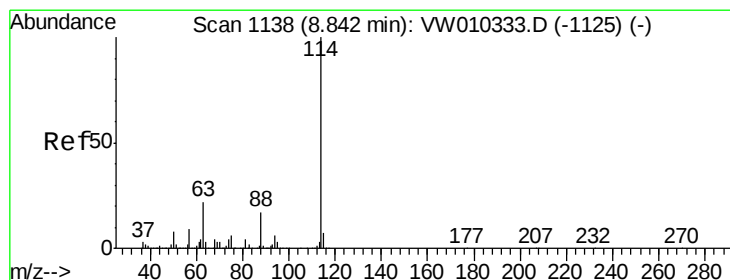
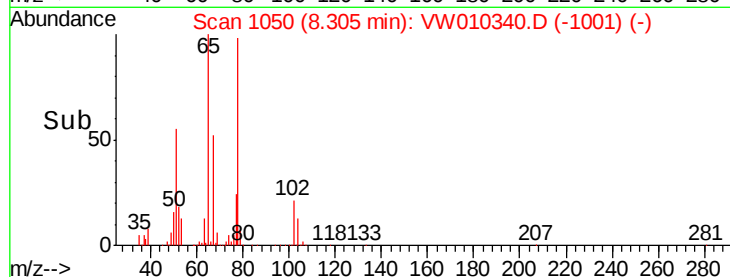
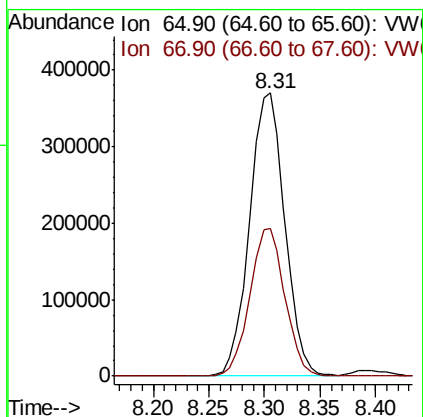
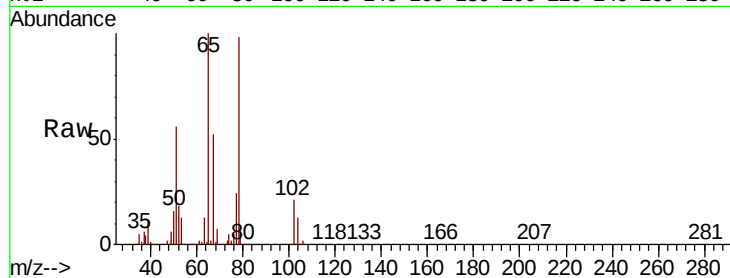
ClientSampleId :

Tot Ion: 65 Resp: 817038

Ion Ratio Lower Upper

65 100

67 51.9 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: VW010340.D

Acq: 09 May 2019 16:52

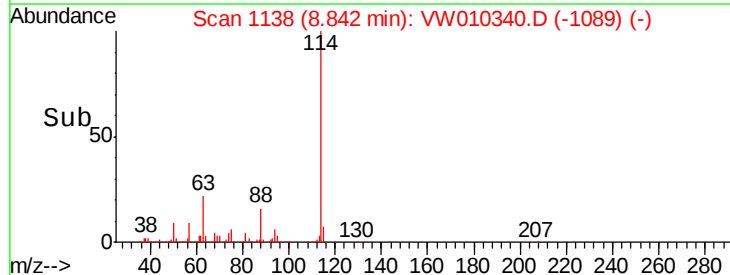
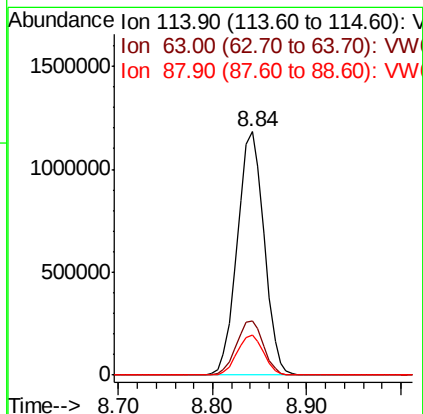
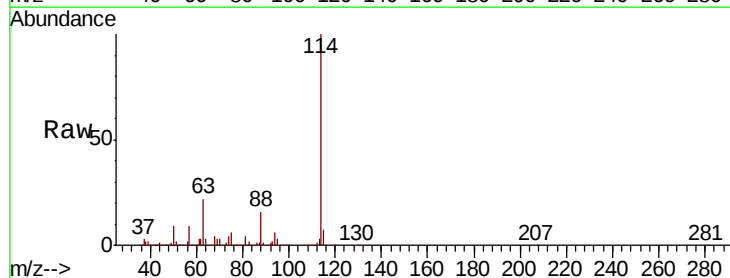
Tgt Ion: 114 Resp: 2333439

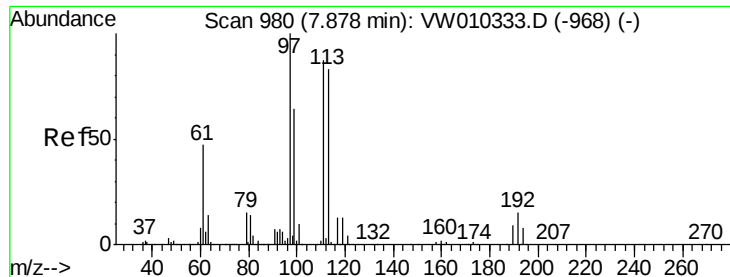
Ion Ratio Lower Upper

114 100

63 22.3 0.0 46.2

88 16.2 0.0 32.6

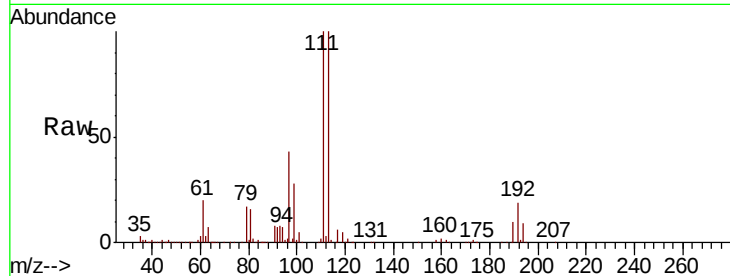




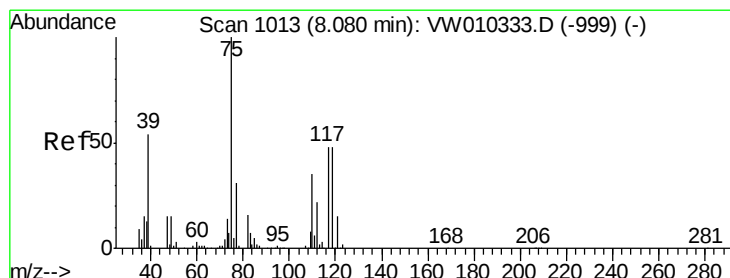
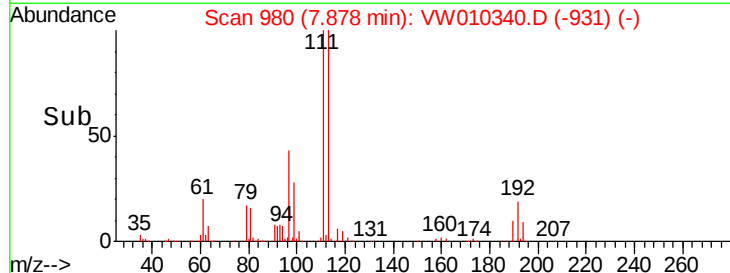
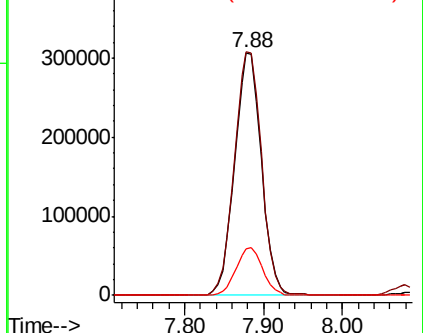
#35
 Dibromofluoromethane
 Concen: 52.715 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW010340.D
 Acq: 09 May 2019 16:52

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.6	123.8
192	19.7	15.4	23.2

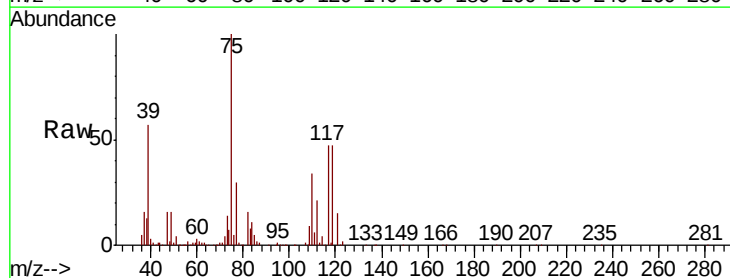


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

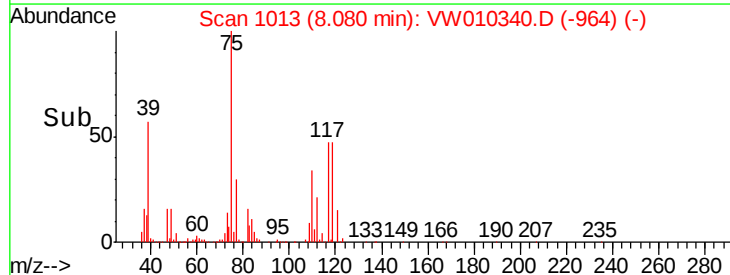
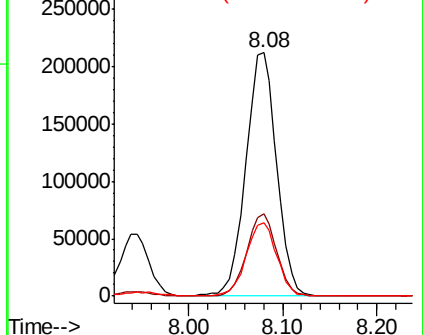


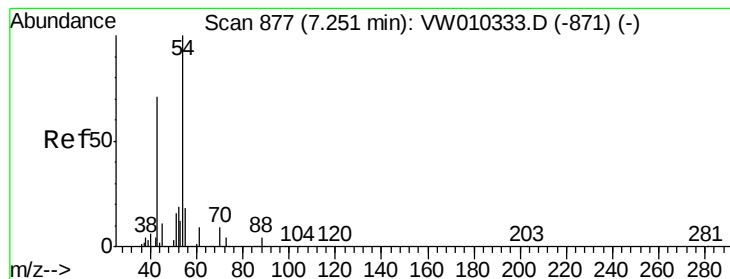
#36
 1,1-Dichloropropene
 Concen: 19.163 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW010340.D
 Acq: 09 May 2019 16:52

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.9	16.6	49.8
77	30.3	24.8	37.2



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 18.038 ug/l

RT: 7.25 min Scan# 877

Delta R.T. -0.00 min

Lab File: VW010340.D

Acq: 09 May 2019 16:52

Instrument :

MSVOA_W

ClientSampled :

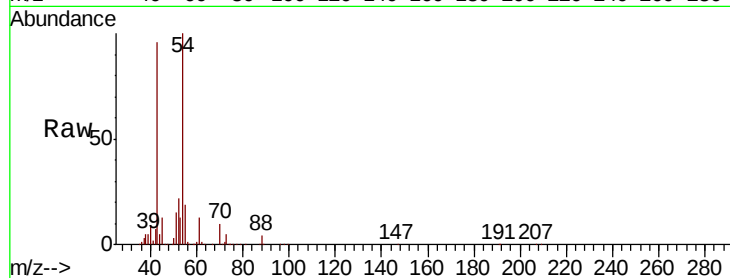
Tot Ion: 43 Resp: 242995

Ion Ratio Lower Upper

43 100

61 13.4 9.8 14.8

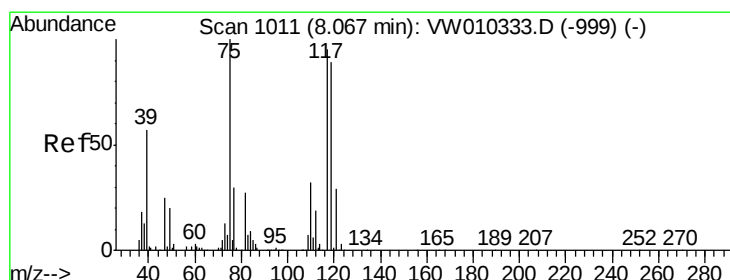
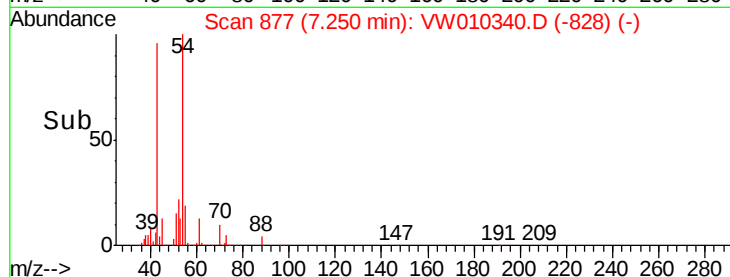
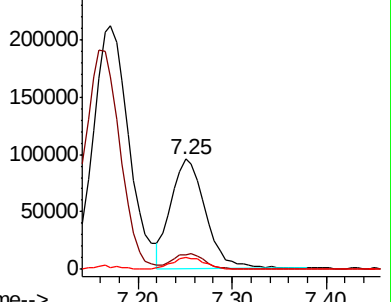
70 10.3 7.4 11.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 19.000 ug/l

RT: 8.06 min Scan# 1010

Delta R.T. -0.01 min

Lab File: VW010340.D

Acq: 09 May 2019 16:52

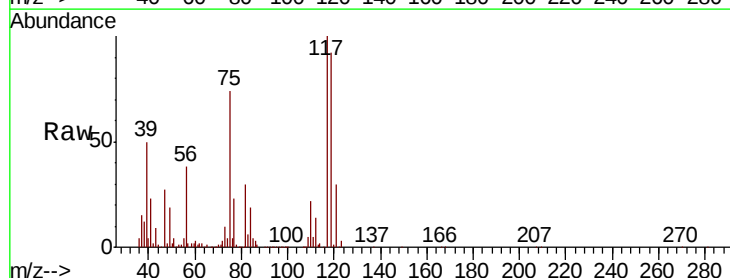
Tgt Ion: 117 Resp: 412076

Ion Ratio Lower Upper

117 100

119 92.3 75.3 112.9

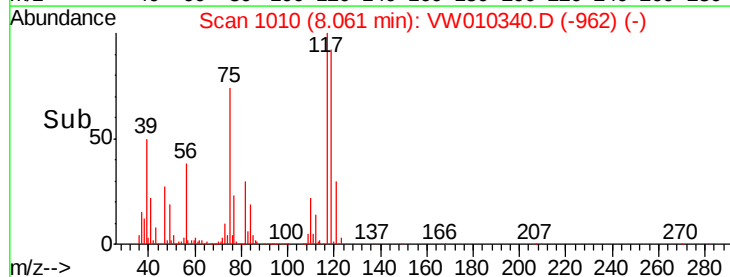
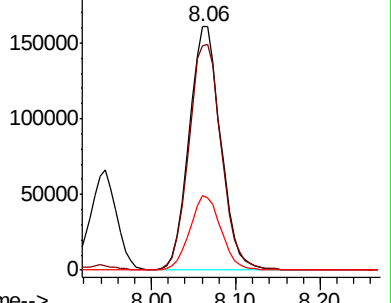
121 30.5 24.4 36.6

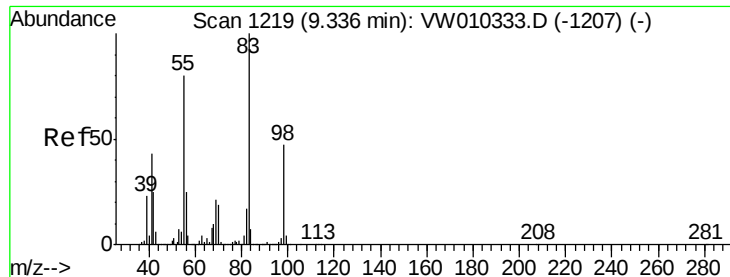


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

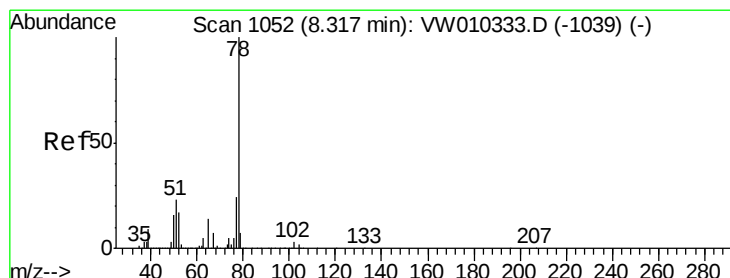
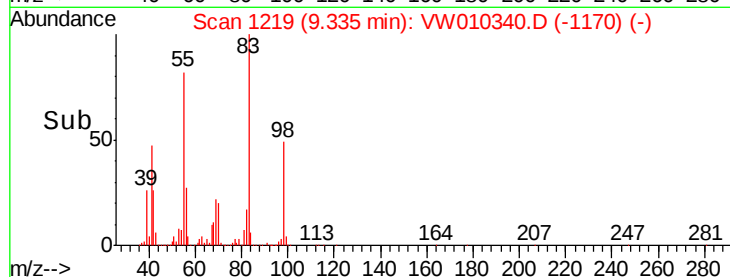
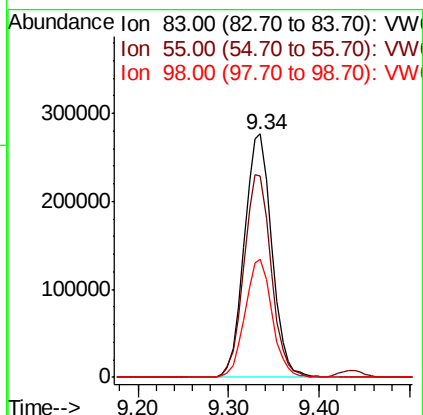
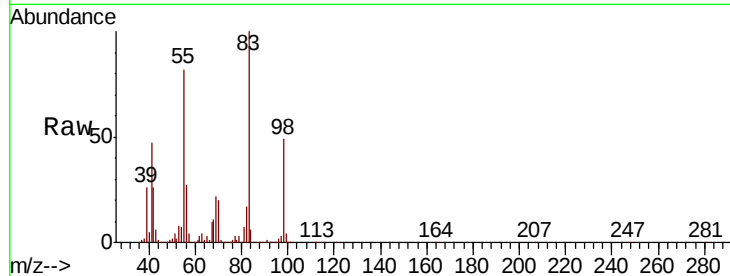




#39
Methvlcvclohexane
Concen: 18.764 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010340.D
Acq: 09 May 2019 16:52

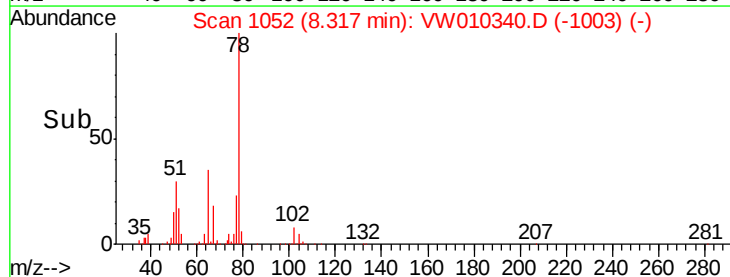
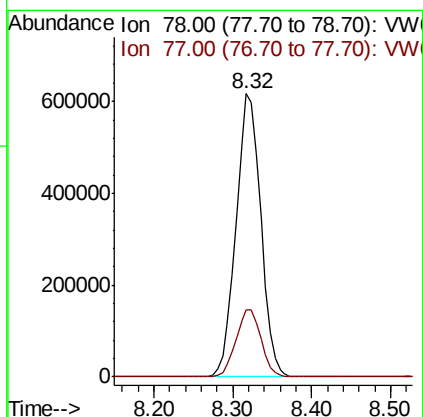
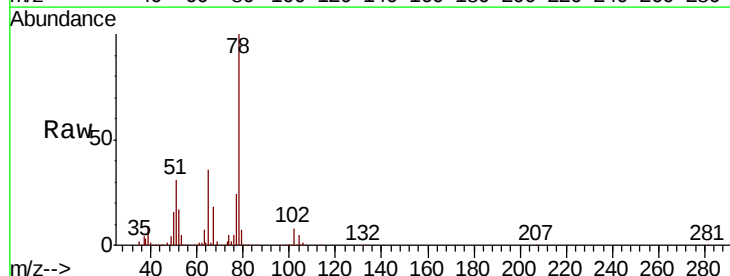
Instrument :
MSVOA_W
ClientSampleId :

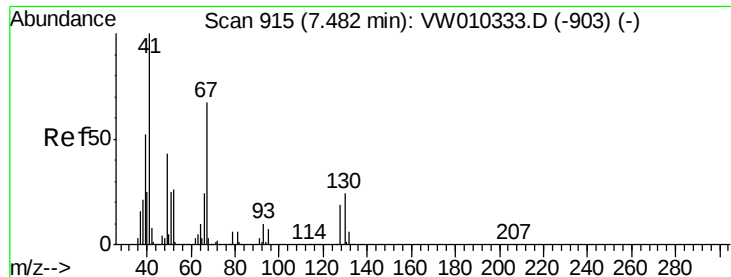
Tot Ion: 83 Resp: 580750
Ion Ratio Lower Upper
83 100
55 82.5 67.1 100.7
98 48.8 39.2 58.8



#40
Benzene
Concen: 19.436 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VW010340.D
Acq: 09 May 2019 16:52

Tgt Ion: 78 Resp: 1346708
Ion Ratio Lower Upper
78 100
77 23.6 19.1 28.7





#41

Methacrylonitrile

Concen: 18.466 ug/l

RT: 7.48 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW010340.D

Acq: 09 May 2019 16:52

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 41 Resp: 139506

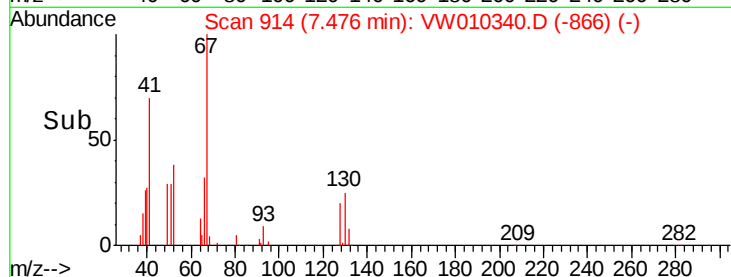
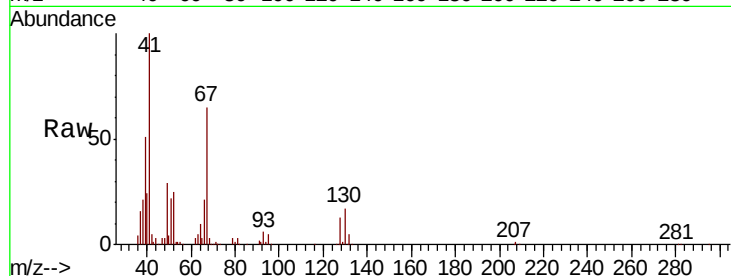
Ion Ratio Lower Upper

41 100

39 56.9 45.0 67.4

67 69.2 50.7 76.1

52 29.5 22.6 33.8

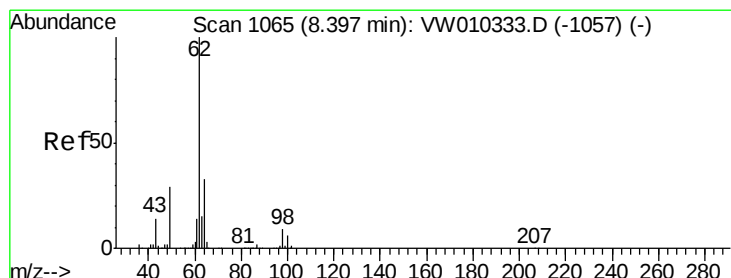
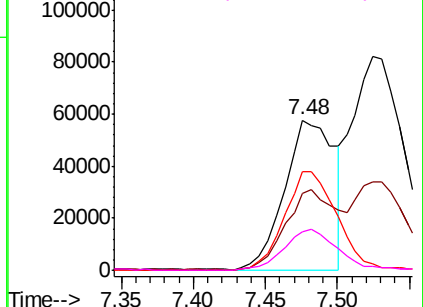


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 20.187 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW010340.D

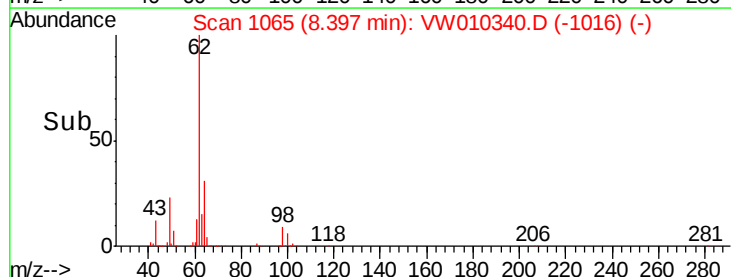
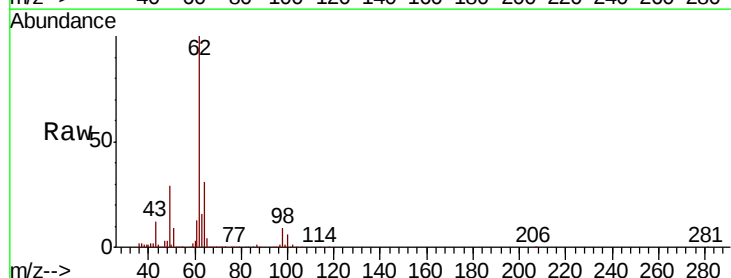
Acq: 09 May 2019 16:52

Tgt Ion: 62 Resp: 400383

Ion Ratio Lower Upper

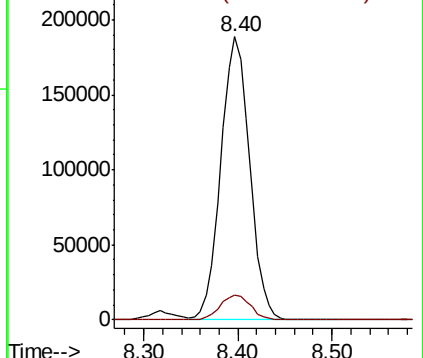
62 100

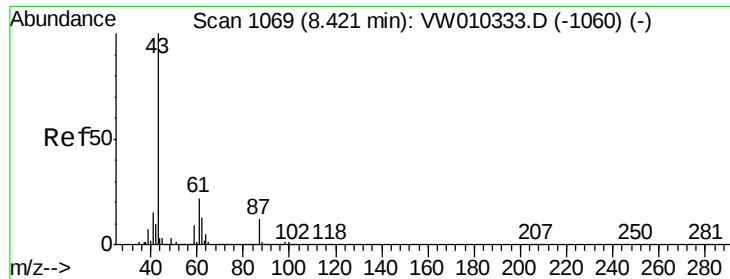
98 9.3 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 18.984 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW010340.D

Acq: 09 May 2019 16:52

Instrument :
MSVOA_W
ClientSampled :

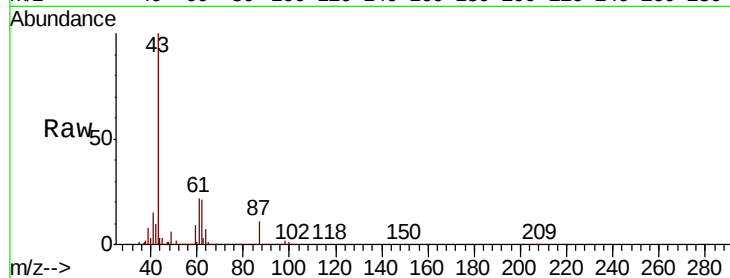
Tot Ion: 43 Resp: 424133

Ion Ratio Lower Upper

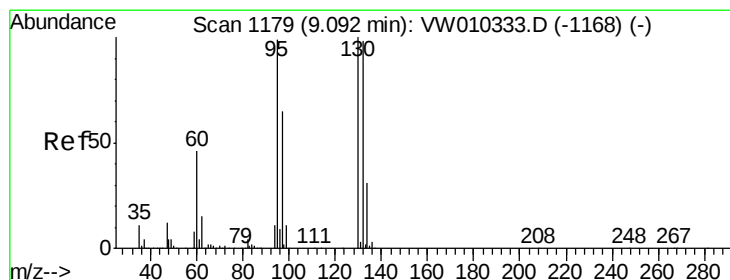
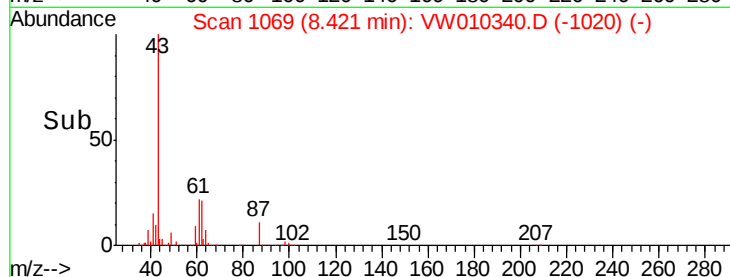
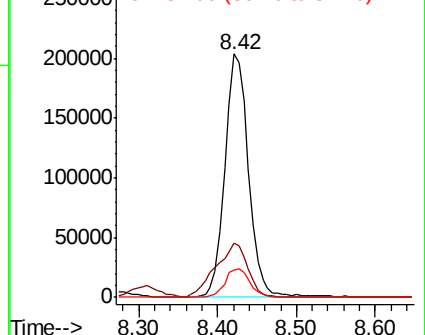
43 100

61 30.0 23.0 34.6

87 12.2 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: 19.218 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW010340.D

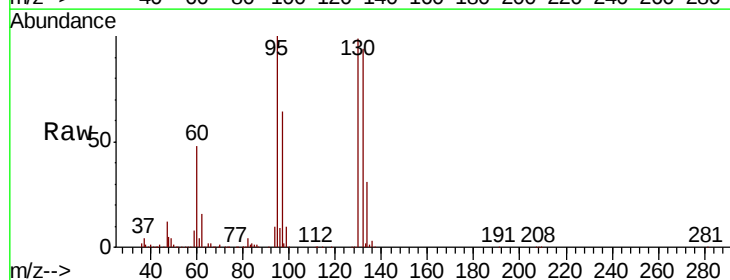
Acq: 09 May 2019 16:52

Tgt Ion:130 Resp: 333365

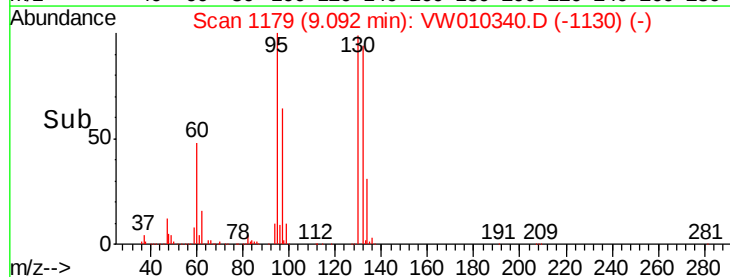
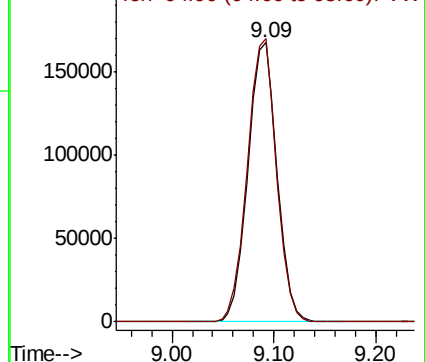
Ion Ratio Lower Upper

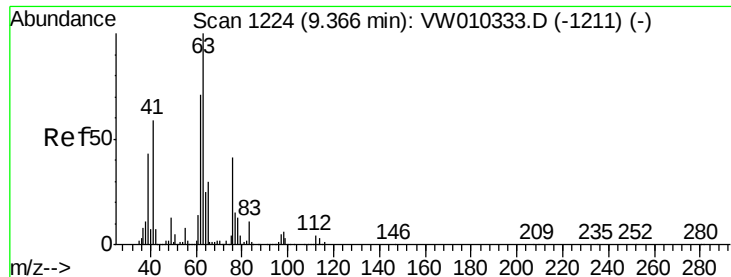
130 100

95 101.4 0.0 205.4



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

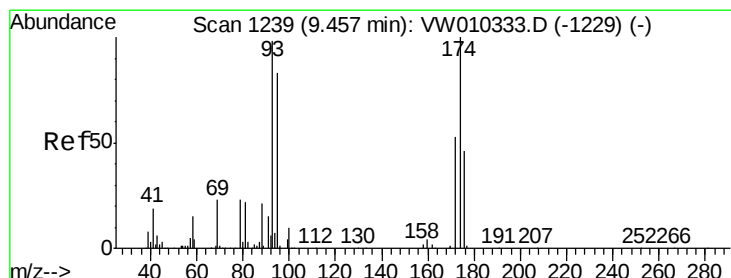
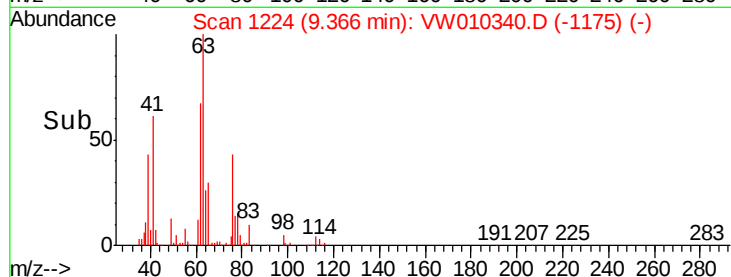
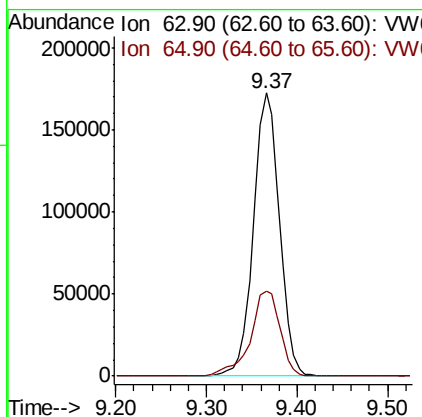
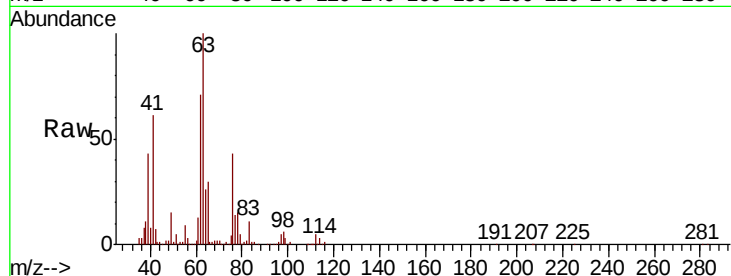




#45
 1,2-Dichloropropane
 Concen: 19.886 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW010340.D
 Acq: 09 May 2019 16:52

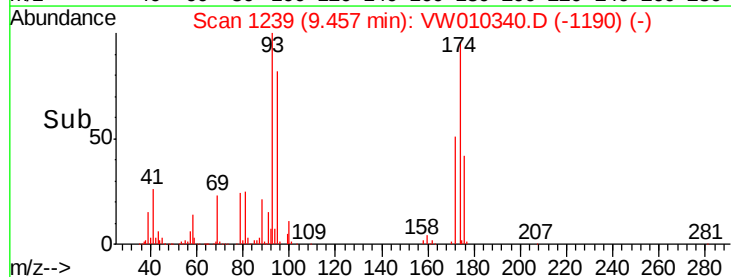
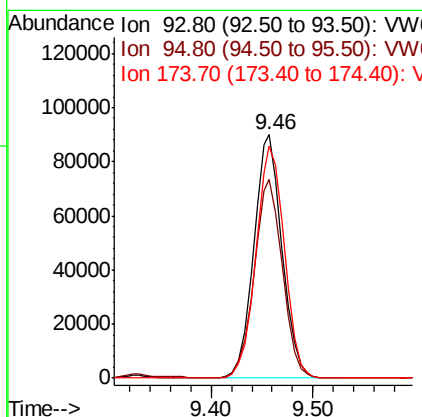
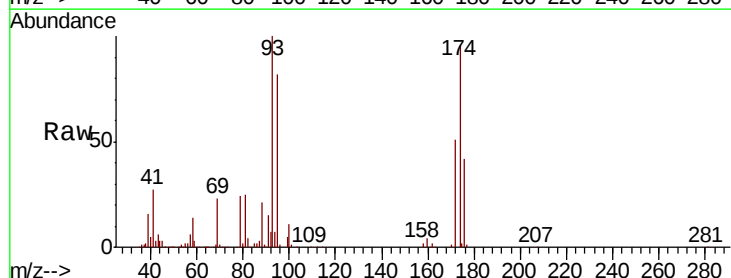
Instrument :
 MSVOA_W
 ClientSampleId :

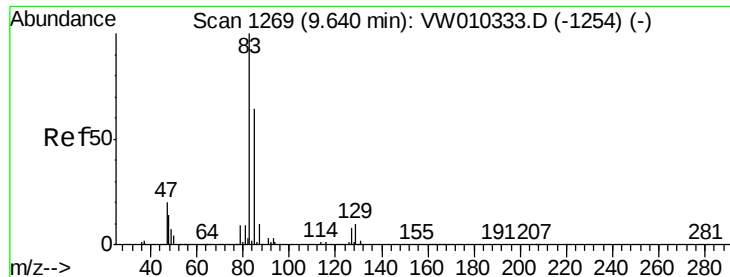
Tot Ion: 63 Resp: 342498
 Ion Ratio Lower Upper
 63 100
 65 30.0 23.8 35.6



#46
 Dibromomethane
 Concen: 19.459 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW010340.D
 Acq: 09 May 2019 16:52

Tgt Ion: 93 Resp: 173142
 Ion Ratio Lower Upper
 93 100
 95 81.9 65.8 98.8
 174 96.5 75.5 113.3





#47

Bromodichloromethane

Concen: 19.654 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW010340.D

Acq: 09 May 2019 16:52

Instrument :

MSVOA_W

ClientSampled :

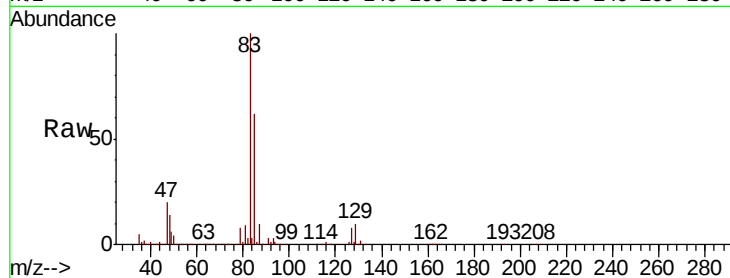
Tot Ion: 83 Resp: 419499

Ion Ratio Lower Upper

83 100

85 61.9 50.6 75.8

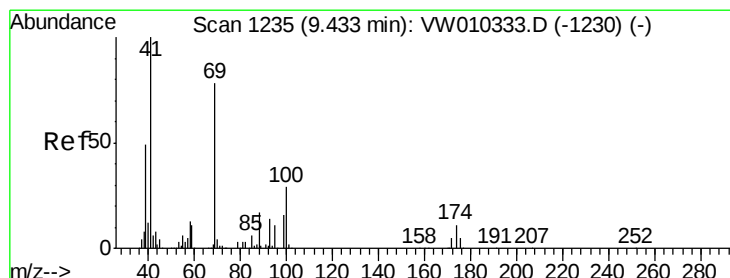
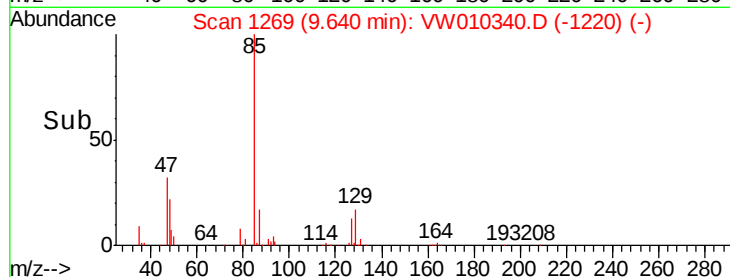
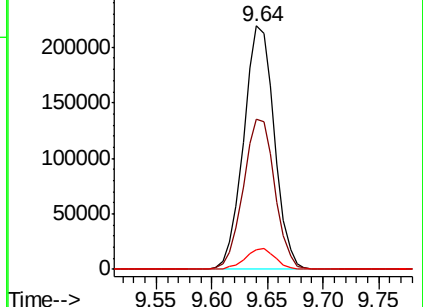
127 7.9 6.6 10.0



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 19.193 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW010340.D

Acq: 09 May 2019 16:52

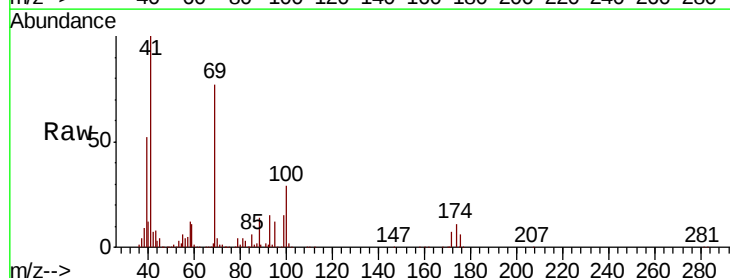
Tgt Ion: 41 Resp: 202752

Ion Ratio Lower Upper

41 100

69 84.2 60.1 90.1

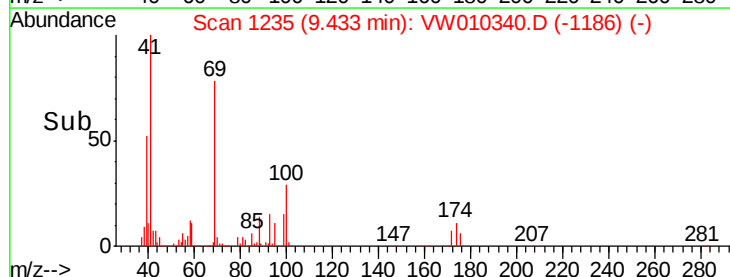
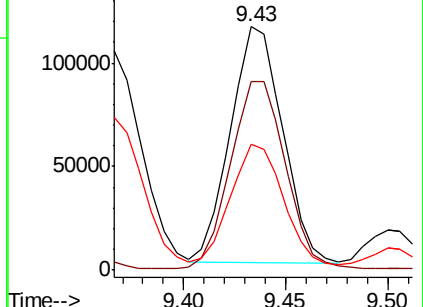
39 50.8 51.0 76.6#

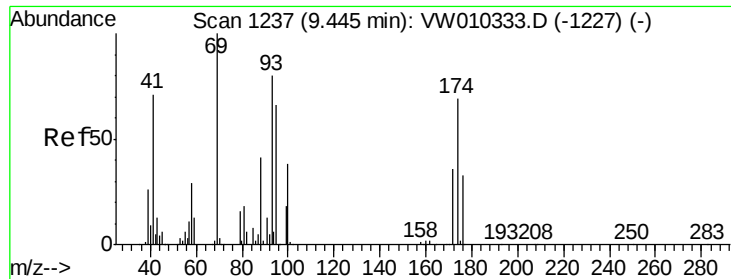


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

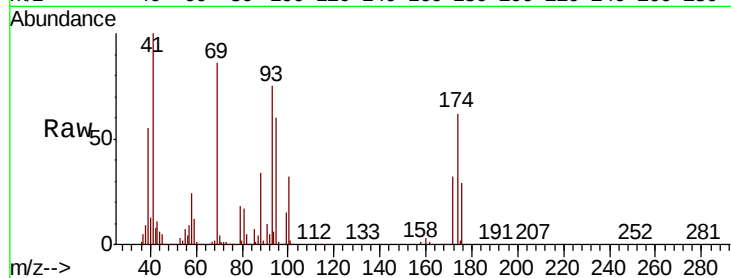




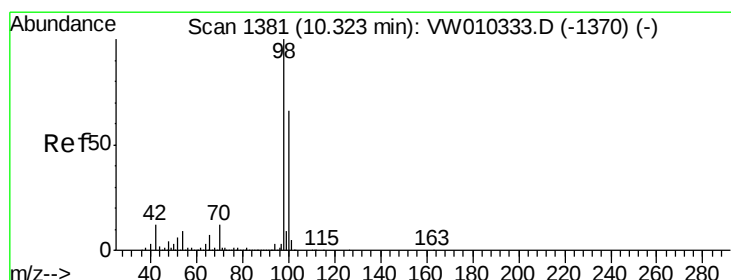
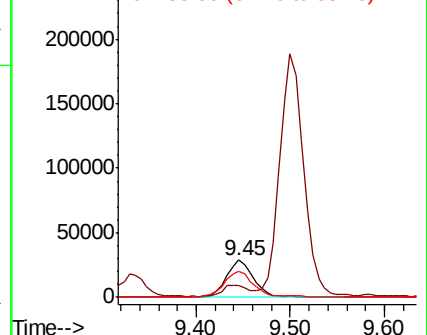
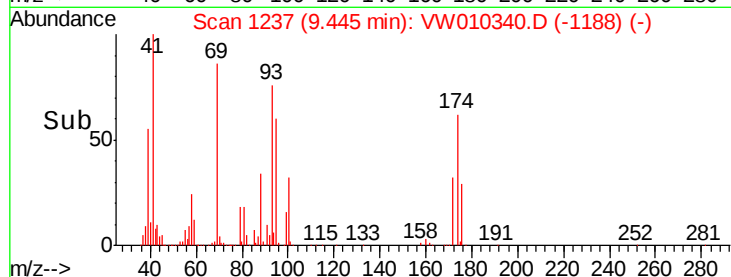
#49
1,4-Dioxane
Concen: 372.785 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW010340.D
Acq: 09 May 2019 16:52

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 88 Resp: 57845
Ion Ratio Lower Upper
88 100
43 32.5 31.9 47.9
58 78.1 61.8 92.6

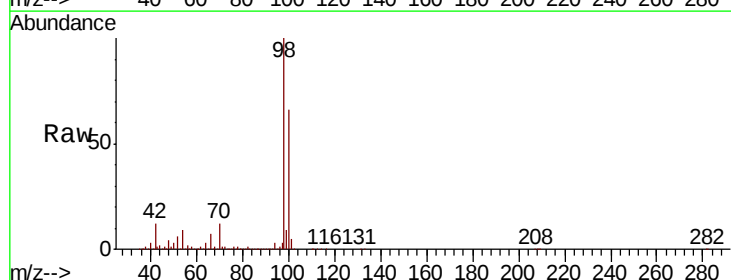


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

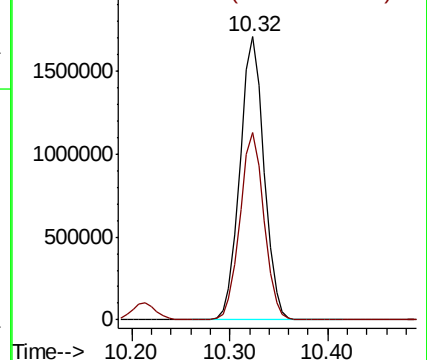
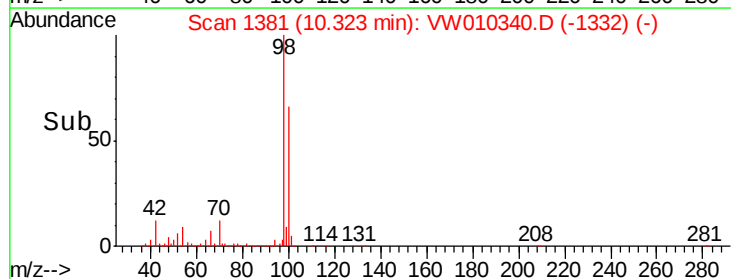


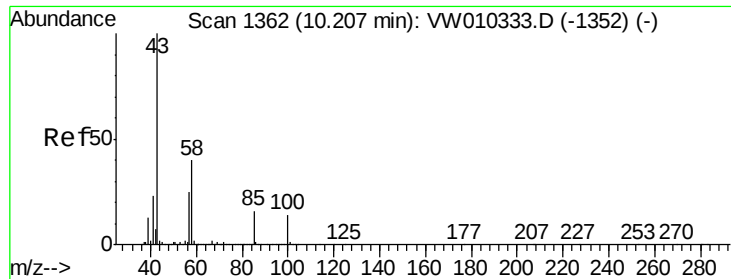
#50
Toluene-d8
Concen: 52.458 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010340.D
Acq: 09 May 2019 16:52

Tgt Ion: 98 Resp: 2916816
Ion Ratio Lower Upper
98 100
100 66.0 52.3 78.5



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





#51

4-Methyl-2-Pentanone

Concen: 95.136 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW010340.D

Acq: 09 May 2019 16:52

Instrument :

MSVOA_W

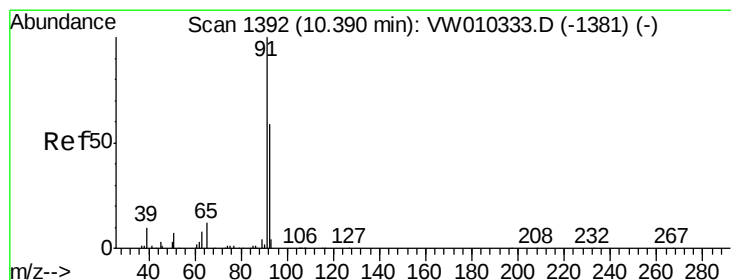
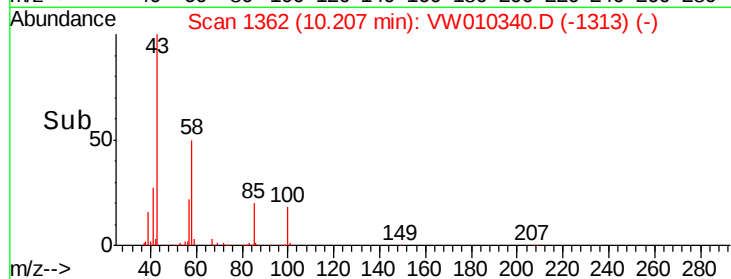
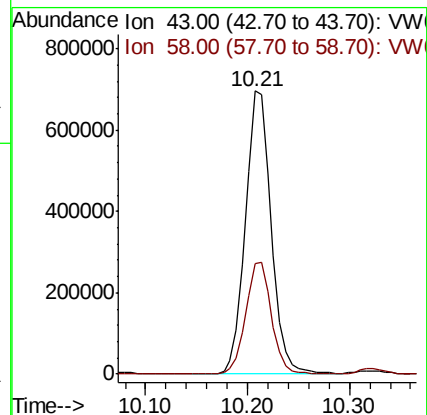
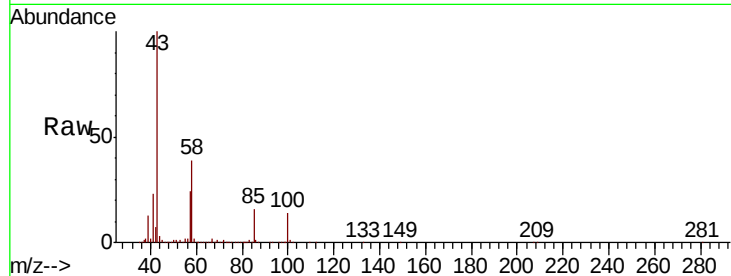
ClientSampleId :

Tot Ion: 43 Resp: 1218760

Ion Ratio Lower Upper

43 100

58 39.6 28.9 43.3



#52

Toluene

Concen: 19.744 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW010340.D

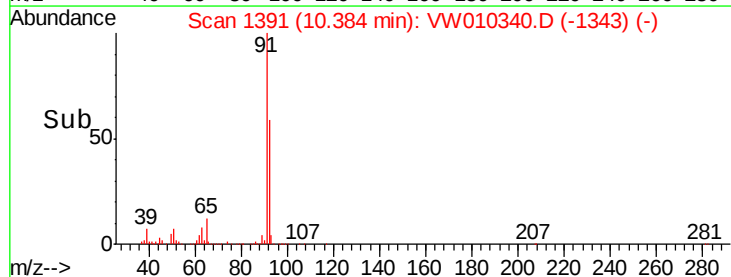
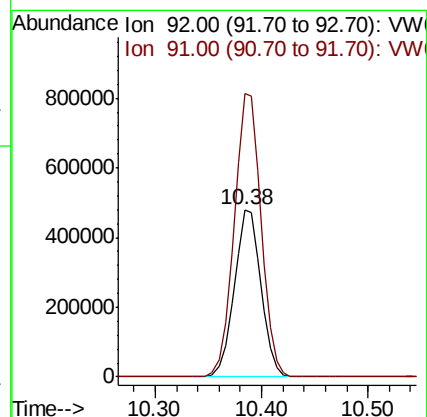
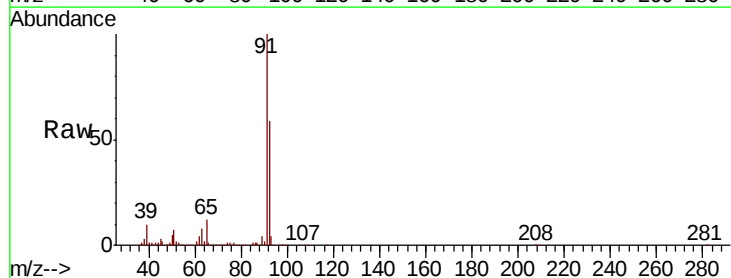
Acq: 09 May 2019 16:52

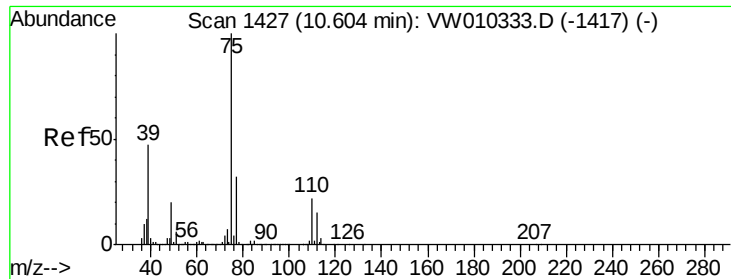
Tgt Ion: 92 Resp: 836184

Ion Ratio Lower Upper

92 100

91 171.9 138.5 207.7





#53

t-1,3-Dichloropropene

Concen: 19.703 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW010340.D

Acq: 09 May 2019 16:52

Instrument :

MSVOA_W

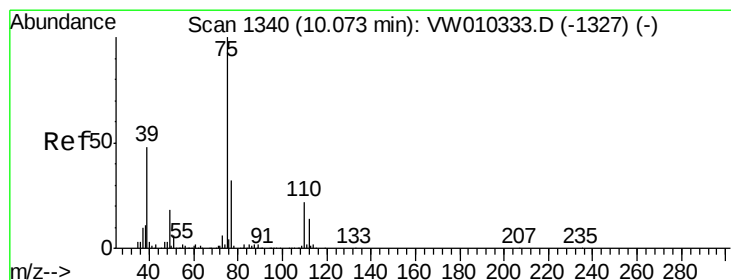
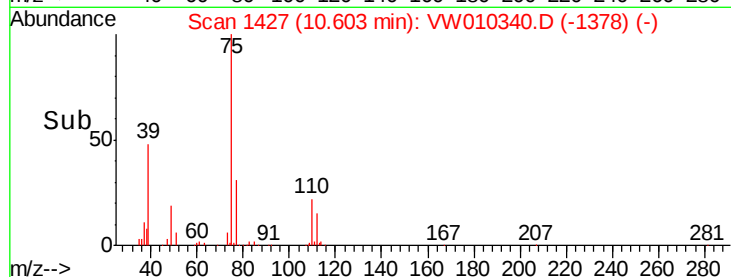
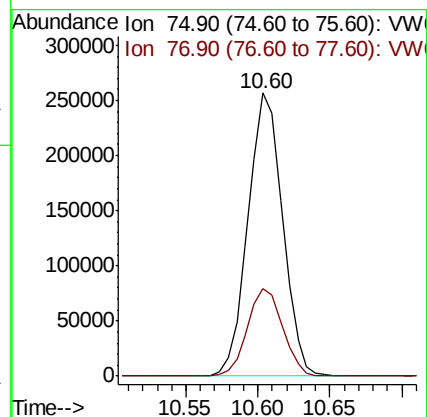
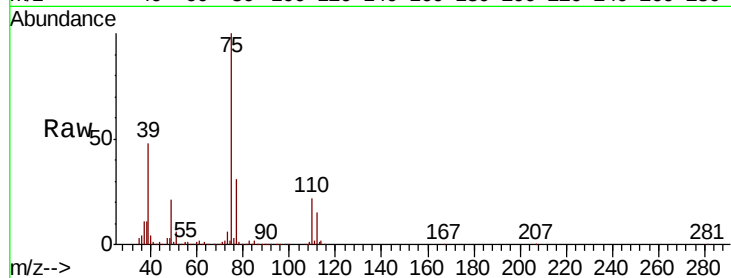
ClientSampleId :

Tot Ion: 75 Resp: 425966

Ion Ratio Lower Upper

75 100

77 30.6 26.9 40.3



#54

cis-1,3-Dichloropropene

Concen: 19.769 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW010340.D

Acq: 09 May 2019 16:52

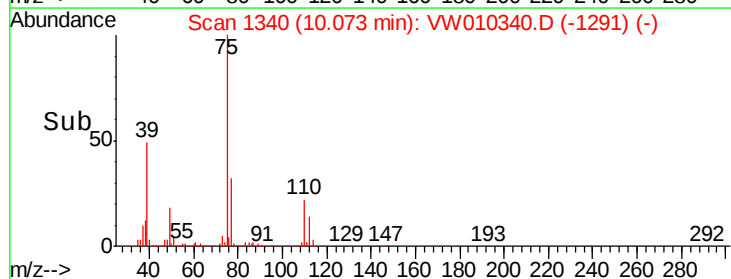
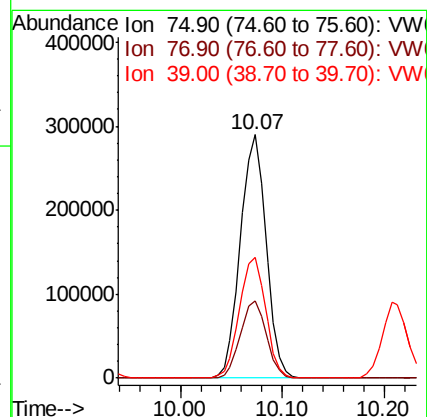
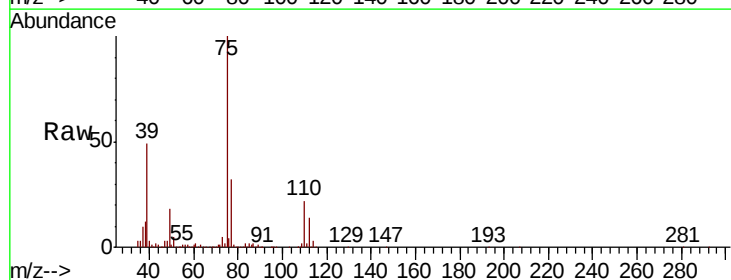
Tgt Ion: 75 Resp: 506165

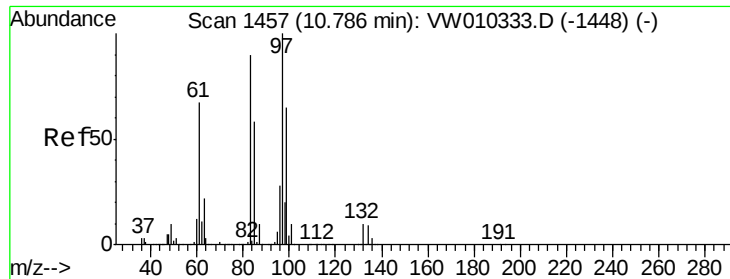
Ion Ratio Lower Upper

75 100

77 31.6 25.6 38.4

39 49.3 47.8 71.6





#55

1,1,2-Trichloroethane

Concen: 19.591 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW010340.D

Acq: 09 May 2019 16:52

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 247583

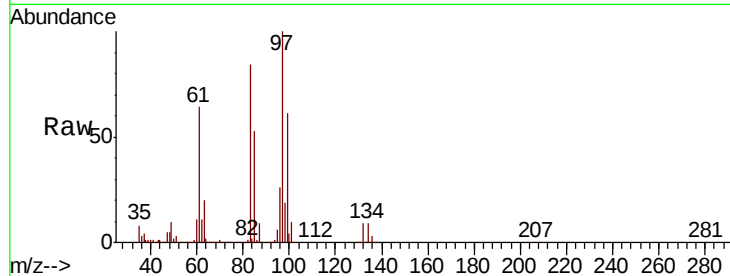
Ion Ratio Lower Upper

97 100

83 84.5 68.9 103.3

85 52.8 42.9 64.3

99 61.1 48.6 72.8

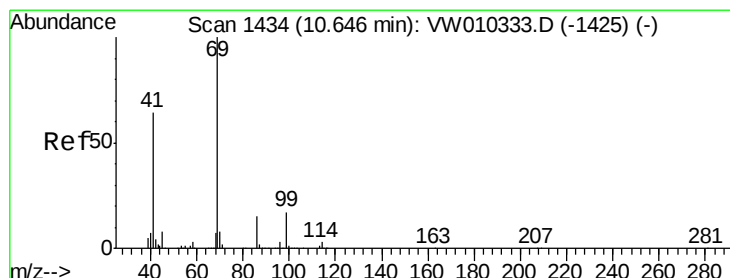
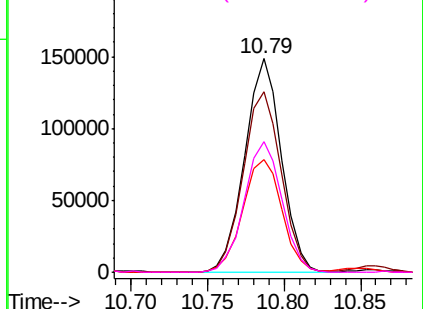
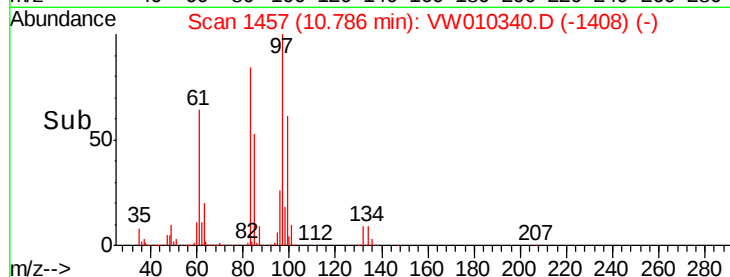


Abundance Ion 96.90 (96.60 to 97.60): VW

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: 19.499 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW010340.D

Acq: 09 May 2019 16:52

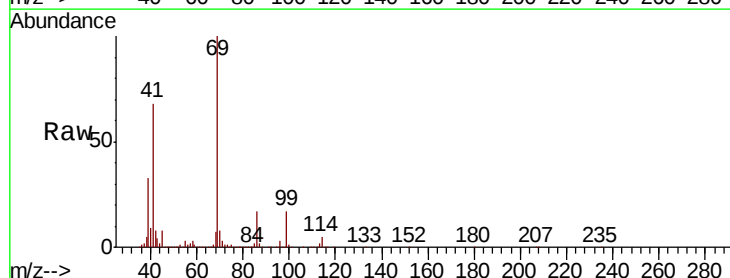
Tgt Ion: 69 Resp: 325409

Ion Ratio Lower Upper

69 100

41 70.0 61.0 91.6

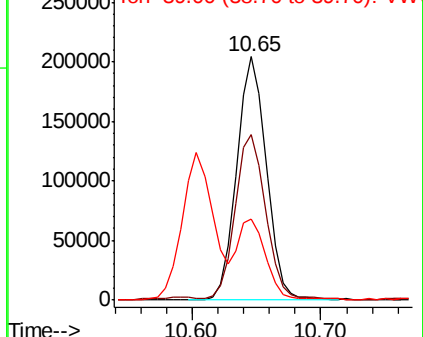
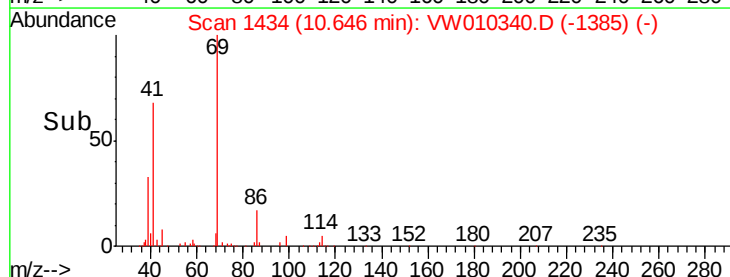
39 31.9 33.8 50.6#

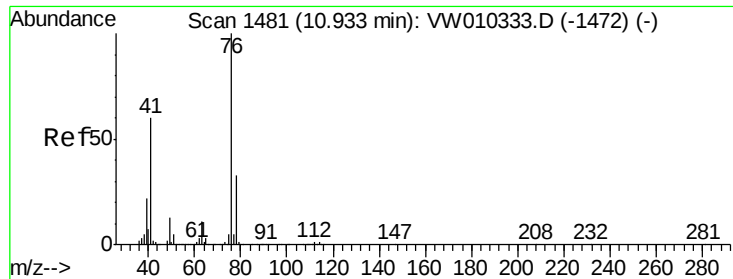


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

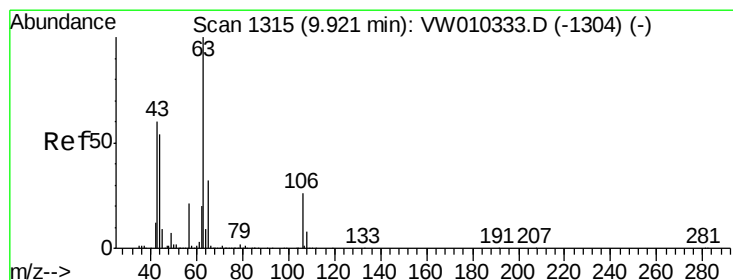
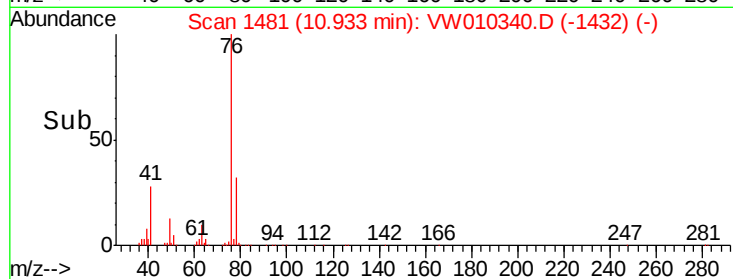
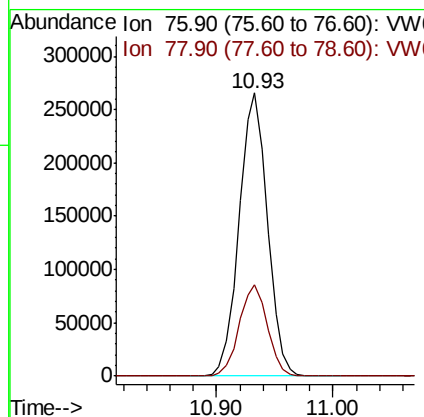
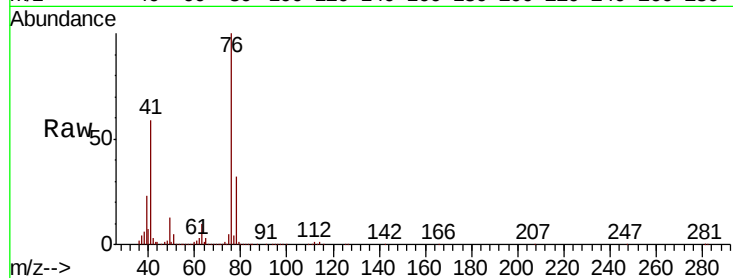




#57
 1,3-Dichloropropane
 Concen: 19.927 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW010340.D
 Acq: 09 May 2019 16:52

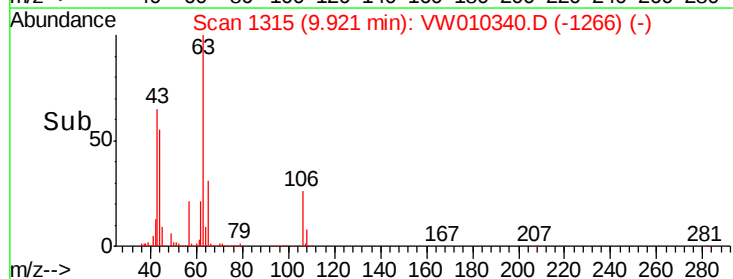
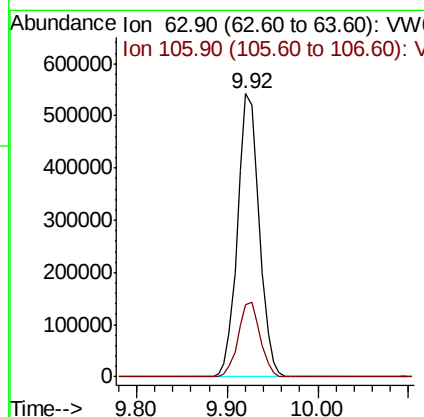
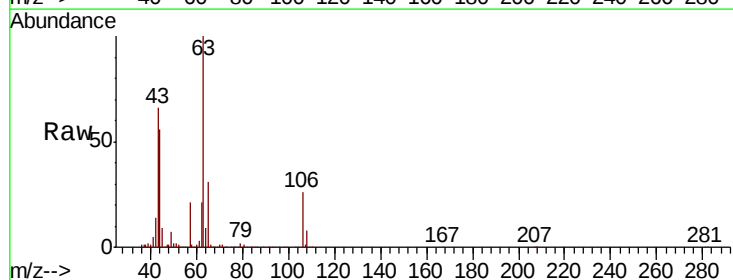
Instrument :
 MSVOA_W
 ClientSampled :

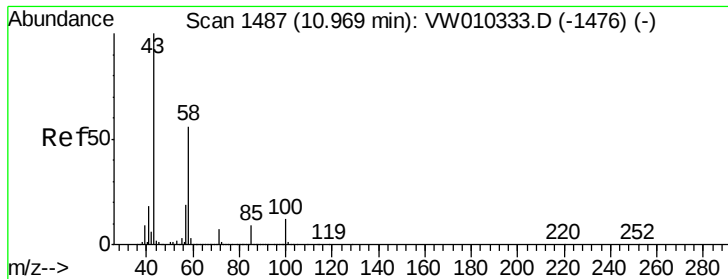
Tot Ion: 76 Resp: 450201
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 112.890 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW010340.D
 Acq: 09 May 2019 16:52

Tgt Ion: 63 Resp: 902024
 Ion Ratio Lower Upper
 63 100
 106 26.6 21.4 32.0

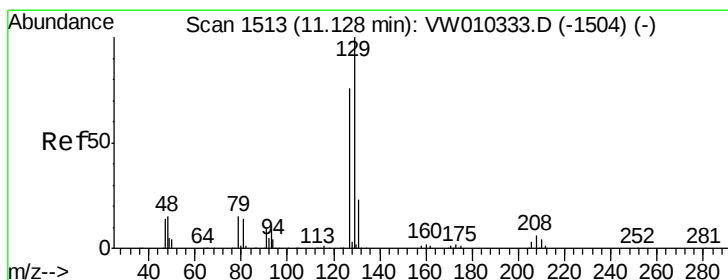
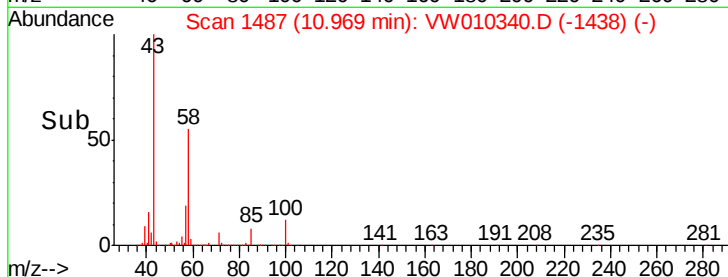
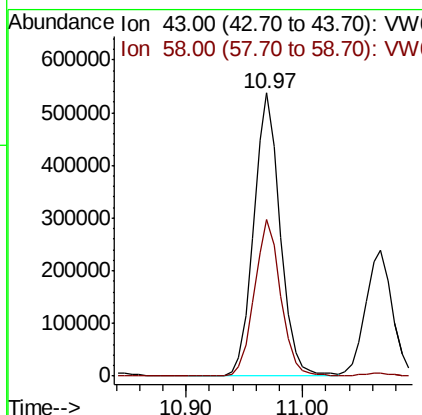
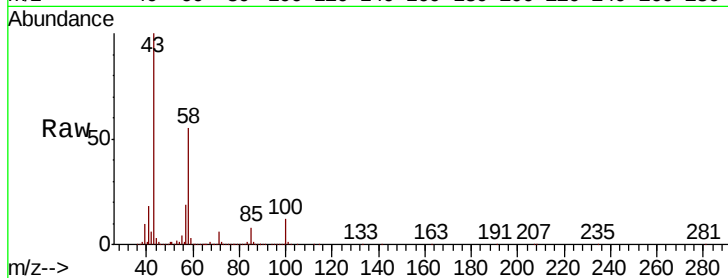




#59
2-Hexanone
Concen: 93.652 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010340.D
Acq: 09 May 2019 16:52

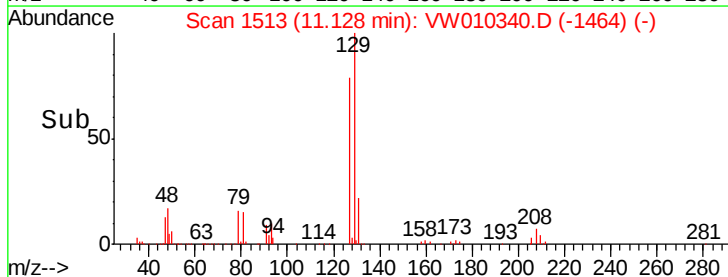
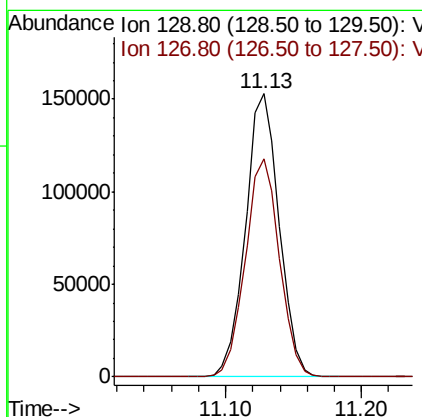
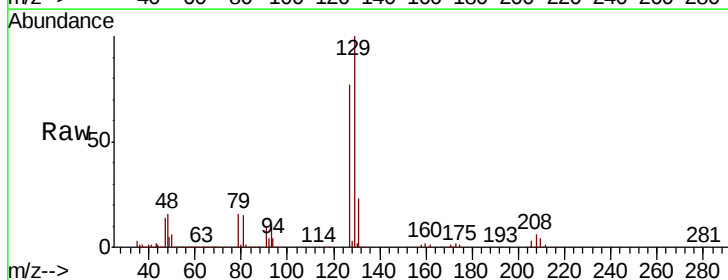
Instrument :
MSVOA_W
ClientSampleId :

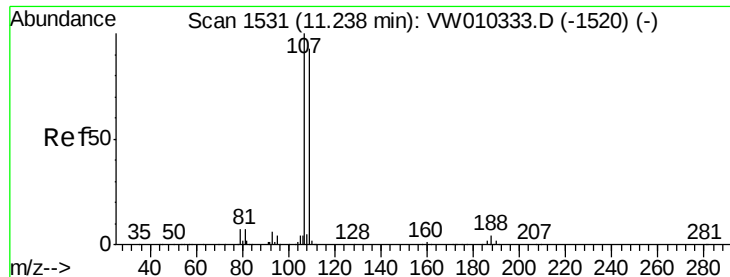
Tot Ion: 43 Resp: 848266
Ion Ratio Lower Upper
43 100
58 55.0 24.9 74.7



#60
Dibromochloromethane
Concen: 19.457 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010340.D
Acq: 09 May 2019 16:52

Tgt Ion: 129 Resp: 264596
Ion Ratio Lower Upper
129 100
127 78.2 38.6 116.0





#61

1,2-Dibromoethane

Concen: 19.382 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW010340.D

Acq: 09 May 2019 16:52

Instrument :

MSVOA_W

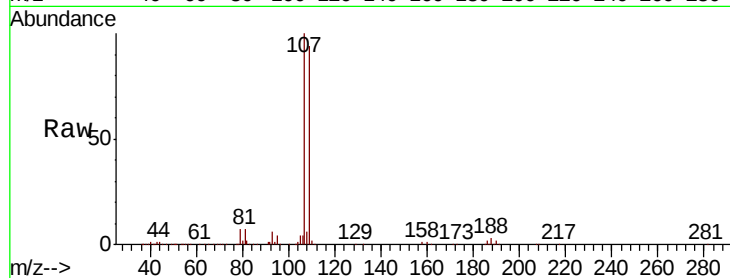
ClientSampleId :

Tot Ion:107 Resp: 235141

Ion Ratio Lower Upper

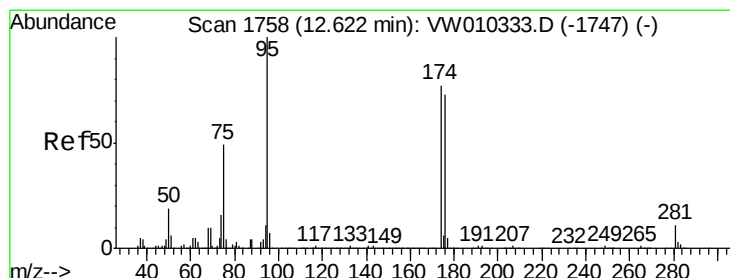
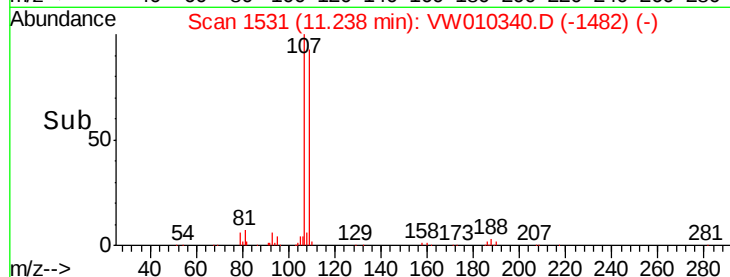
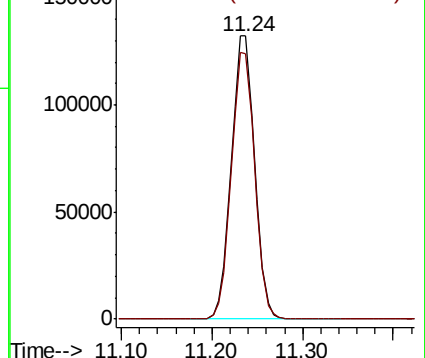
107 100

109 94.7 73.6 110.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 53.503 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010340.D

Acq: 09 May 2019 16:52

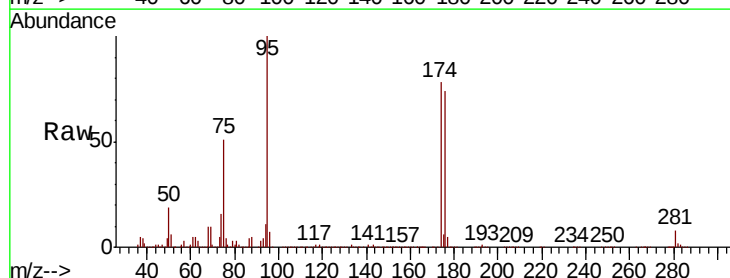
Tgt Ion: 95 Resp: 1047199

Ion Ratio Lower Upper

95 100

174 75.6 0.0 151.4

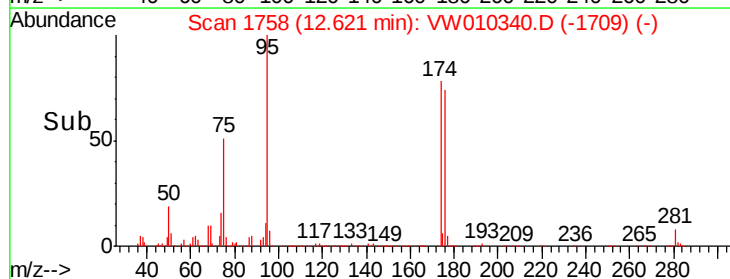
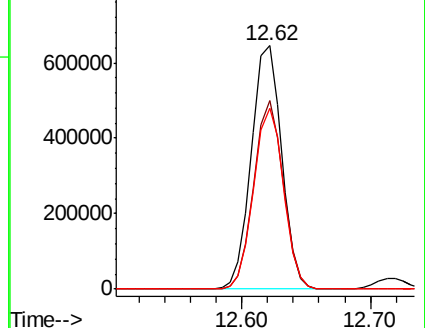
176 73.1 0.0 146.2

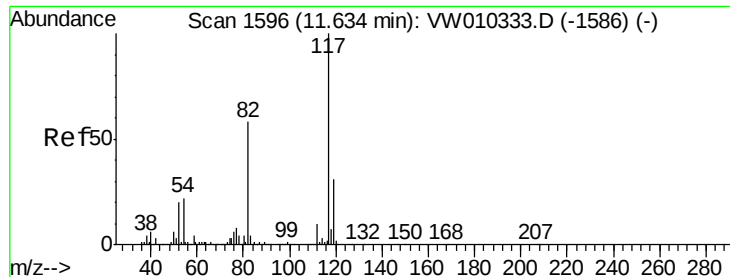


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

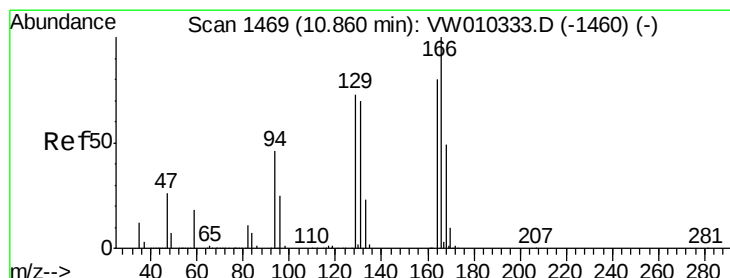
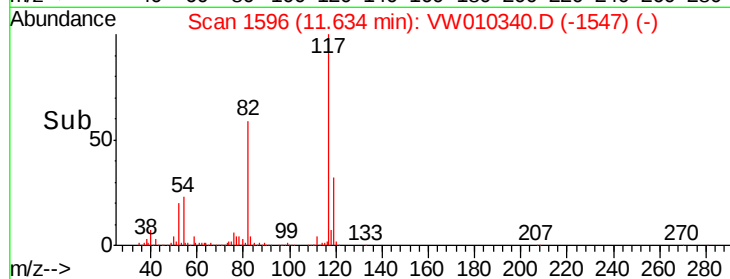
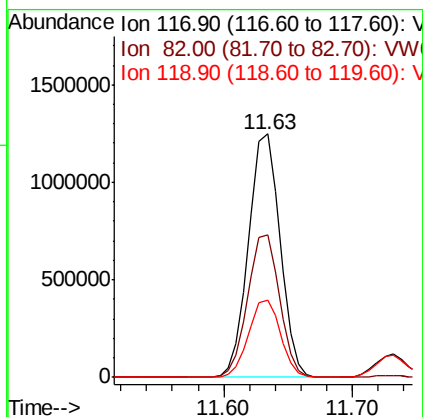
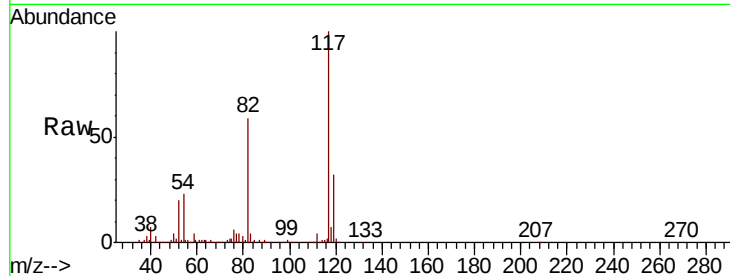




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010340.D
Acq: 09 May 2019 16:52

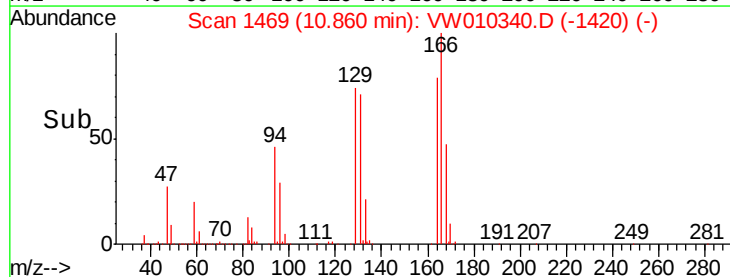
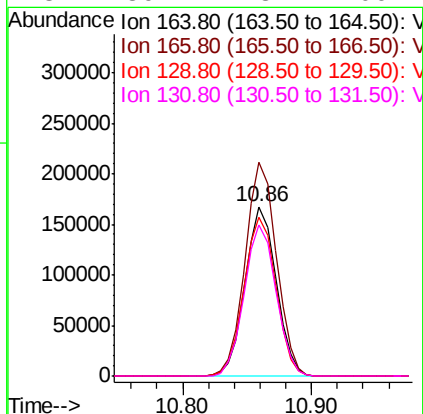
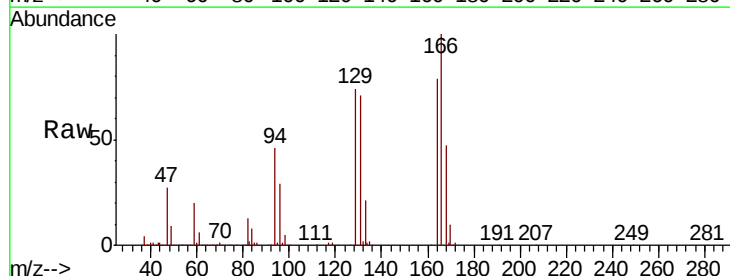
Instrument :
MSVOA_W
ClientSampleId :

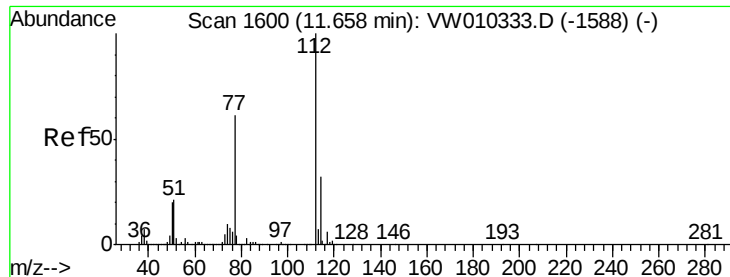
Tot Ion:117 Resp: 2115815
Ion Ratio Lower Upper
117 100
82 58.7 45.2 67.8
119 31.6 25.4 38.2



#64
Tetrachloroethene
Concen: 18.864 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010340.D
Acq: 09 May 2019 16:52

Tgt Ion:164 Resp: 278960
Ion Ratio Lower Upper
164 100
166 126.1 101.2 151.8
129 93.8 77.8 116.6
131 89.2 73.1 109.7

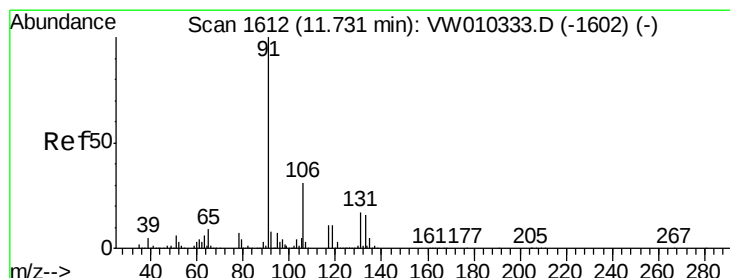
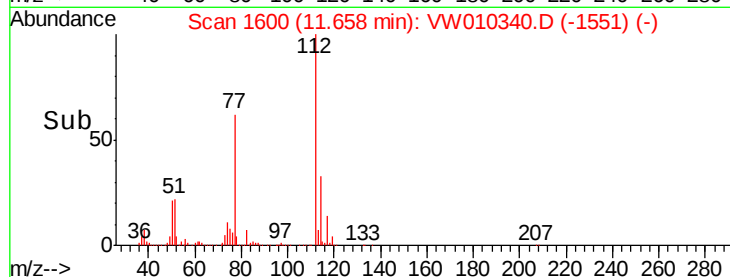
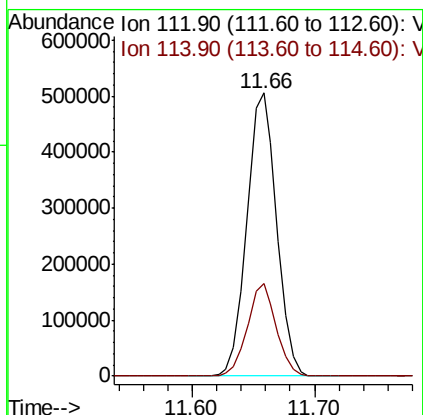
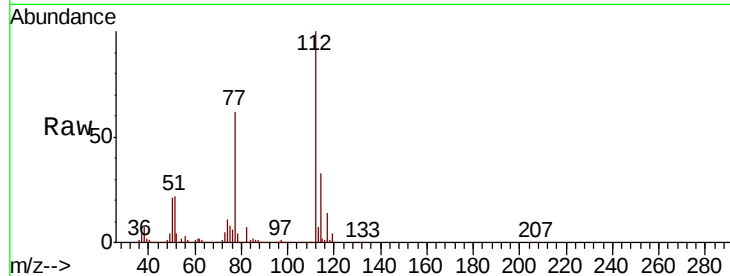




#65
Chlorobenzene
Concen: 19.471 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010340.D
Acq: 09 May 2019 16:52

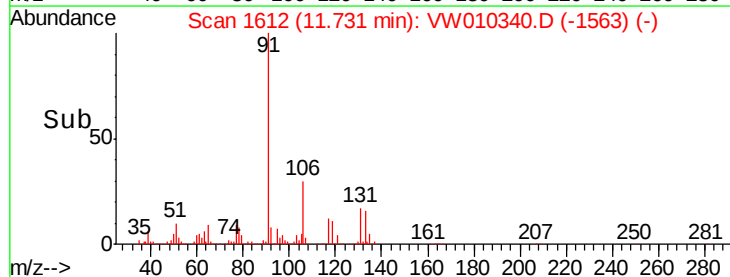
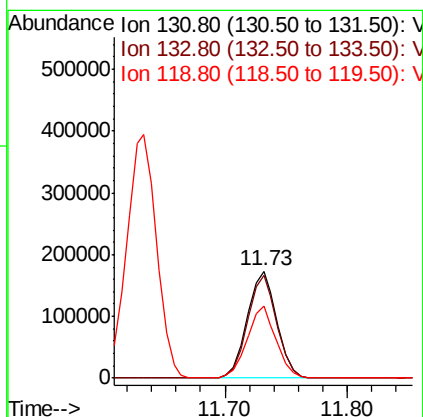
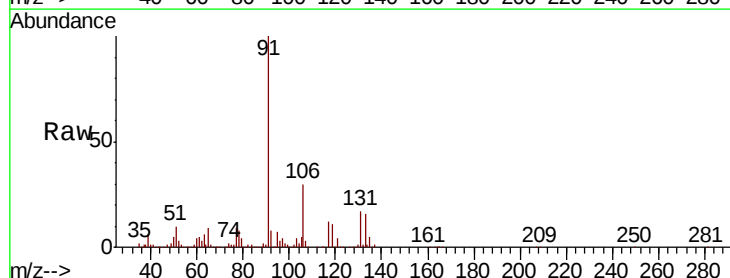
Instrument :
MSVOA_W
ClientSampled :

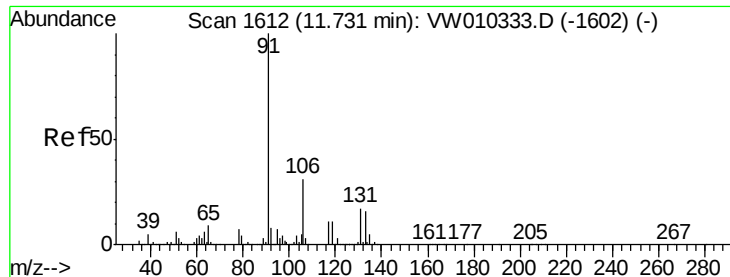
Tot Ion:112 Resp: 852813
Ion Ratio Lower Upper
112 100
114 32.9 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 19.529 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010340.D
Acq: 09 May 2019 16:52

Tgt Ion:131 Resp: 289101
Ion Ratio Lower Upper
131 100
133 95.1 46.5 139.5
119 65.3 31.9 95.5

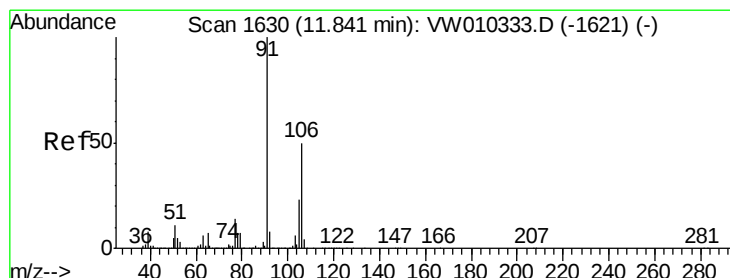
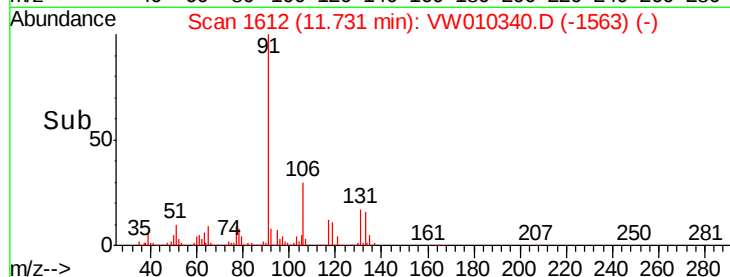
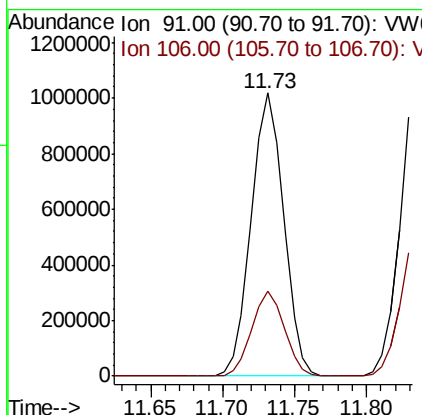
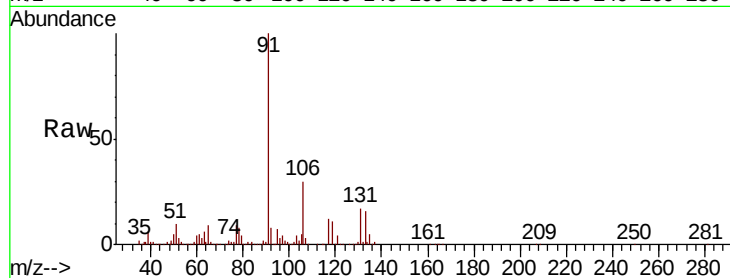




#67
Ethyl Benzene
Concen: 19.742 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010340.D
Acq: 09 May 2019 16:52

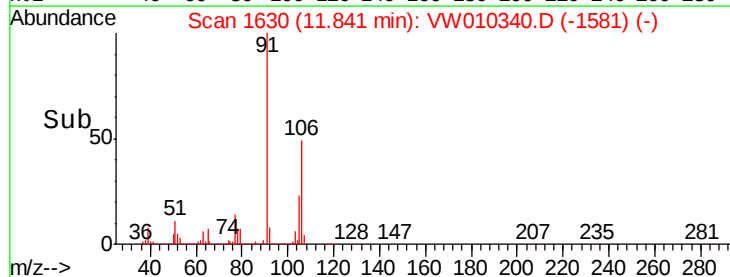
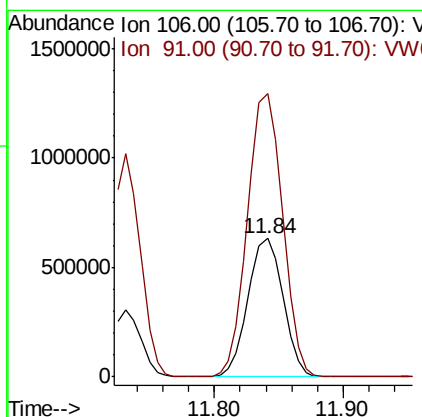
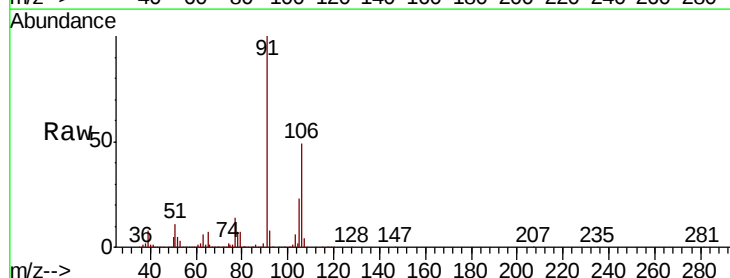
Instrument :
MSVOA_W
ClientSampled :

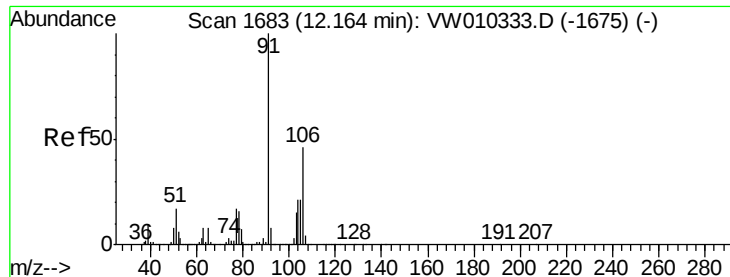
Tot Ion: 91 Resp: 1590702
Ion Ratio Lower Upper
91 100
106 30.0 23.8 35.8



#68
m/p-Xylenes
Concen: 39.909 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010340.D
Acq: 09 May 2019 16:52

Tgt Ion: 106 Resp: 1194734
Ion Ratio Lower Upper
106 100
91 204.8 165.0 247.6

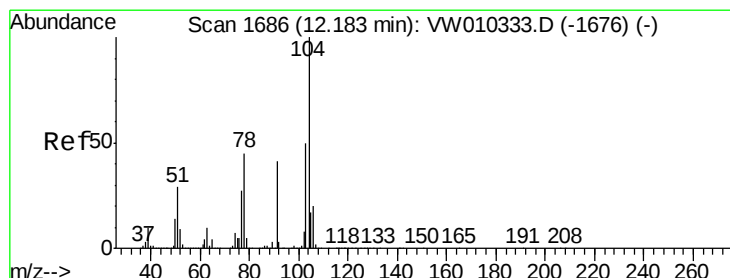
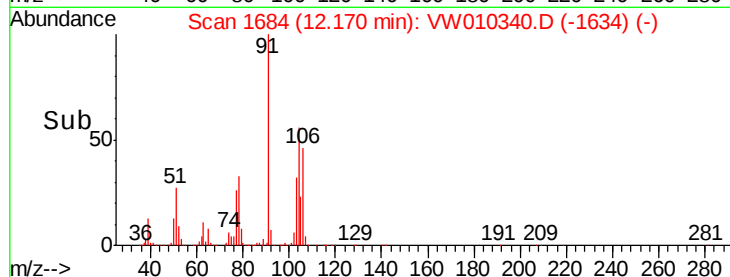
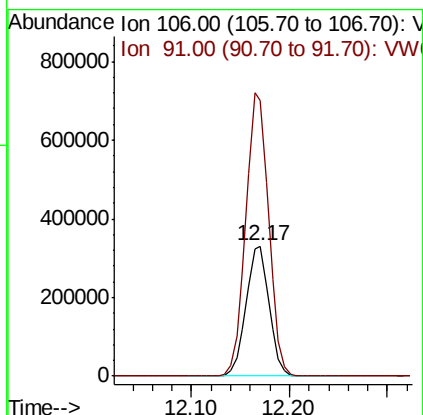
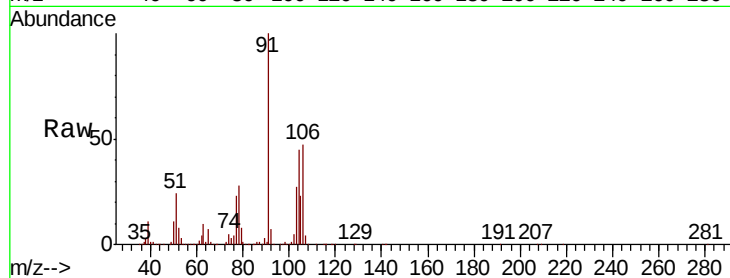




#69
o-Xylene
Concen: 19.920 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW010340.D
Acq: 09 May 2019 16:52

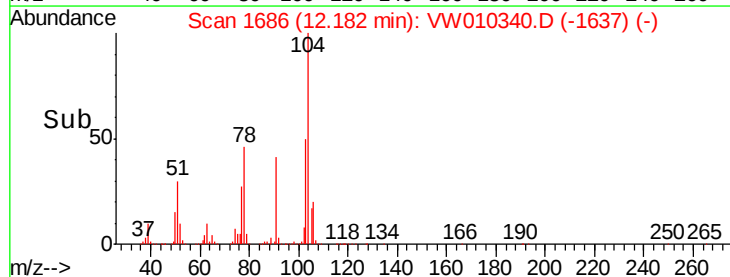
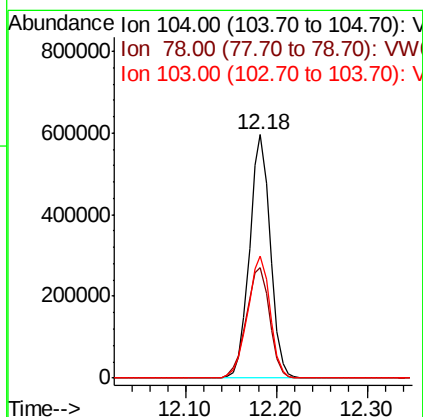
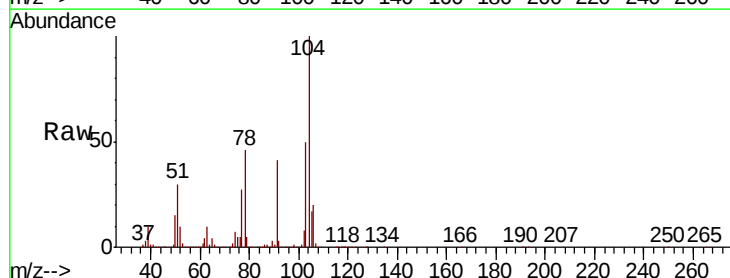
Instrument :
MSVOA_W
ClientSampled :

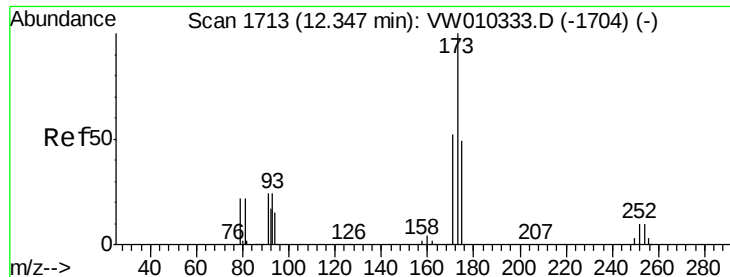
Tot Ion:106 Resp: 539438
Ion Ratio Lower Upper
106 100
91 216.9 110.5 331.4



#70
Styrene
Concen: 20.042 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010340.D
Acq: 09 May 2019 16:52

Tgt Ion:104 Resp: 945707
Ion Ratio Lower Upper
104 100
78 51.3 42.5 63.7
103 54.1 43.6 65.4





#71

Bromoform

Concen: 18.590 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW010340.D

Acq: 09 May 2019 16:52

Instrument :

MSVOA_W

ClientSampleId :

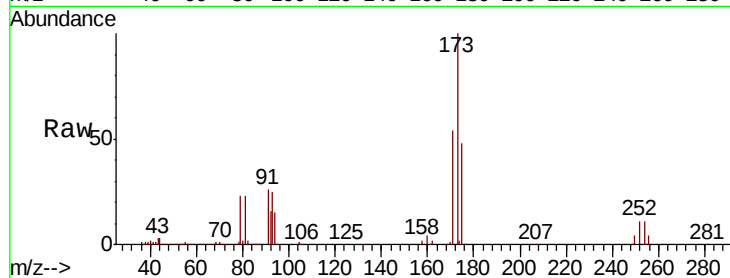
Tot Ion:173 Resp: 157317

Ion Ratio Lower Upper

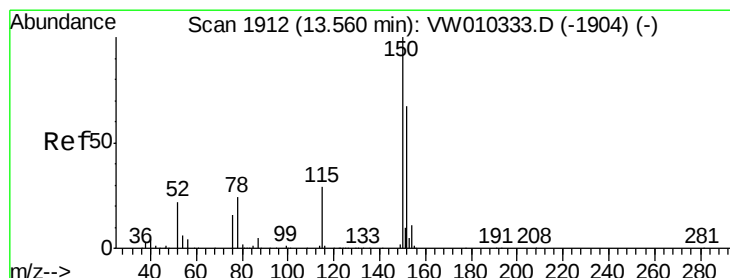
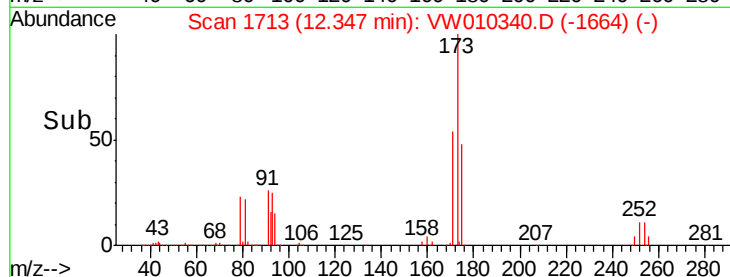
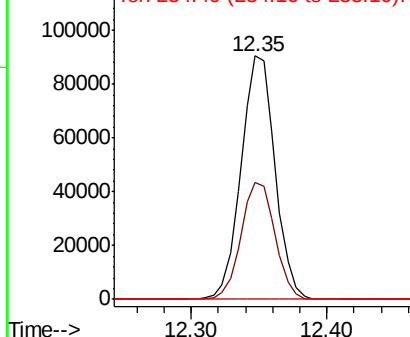
173 100

175 48.3 23.8 71.4

254 0.2 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: VW010340.D

Acq: 09 May 2019 16:52

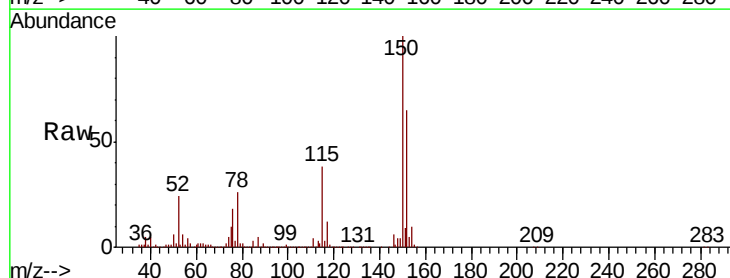
Tgt Ion:152 Resp: 1051350

Ion Ratio Lower Upper

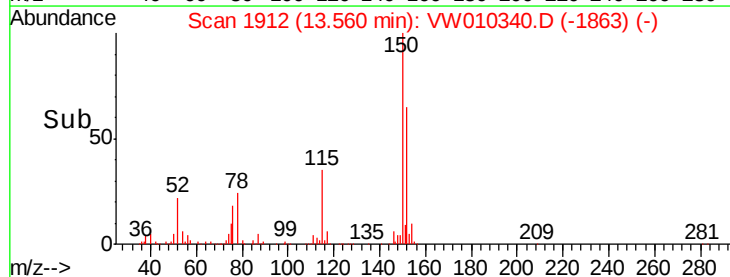
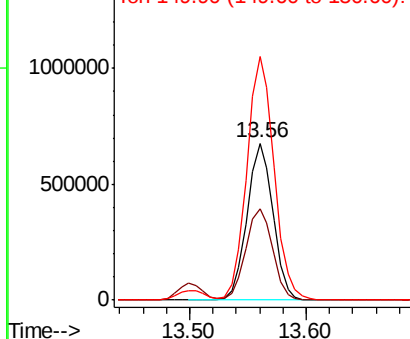
152 100

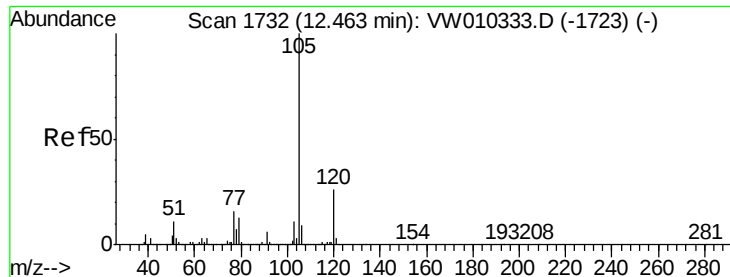
115 60.7 30.4 91.2

150 163.0 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: 19.751 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW010340.D

Acq: 09 May 2019 16:52

Instrument :

MSVOA_W

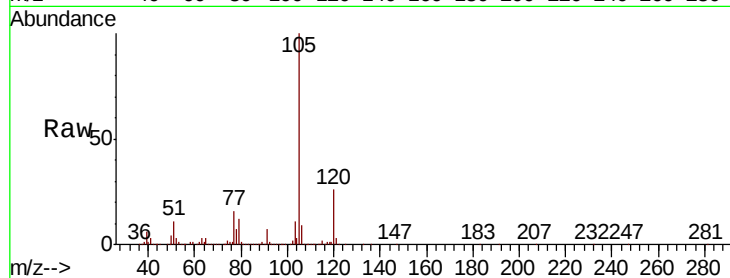
ClientSampleId :

Tot Ion:105 Resp: 1513557

Ion Ratio Lower Upper

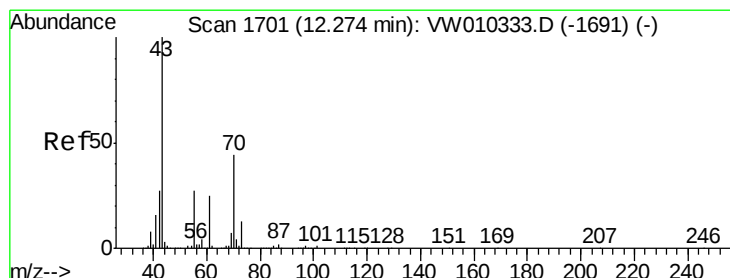
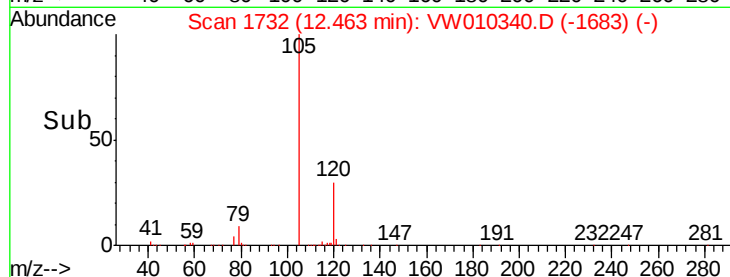
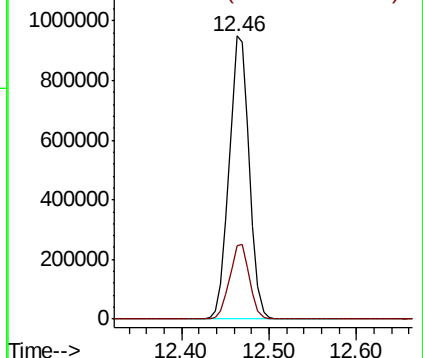
105 100

120 26.1 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.626 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW010340.D

Acq: 09 May 2019 16:52

Tgt Ion: 43 Resp: 388552

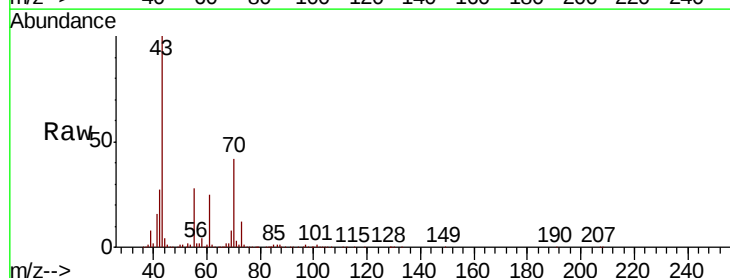
Ion Ratio Lower Upper

43 100

70 43.5 31.3 46.9

55 28.6 20.0 30.0

61 24.4 17.8 26.8

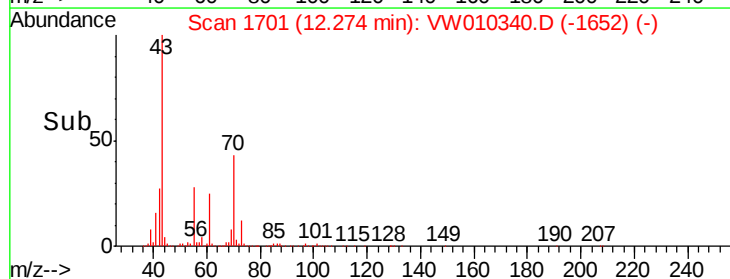
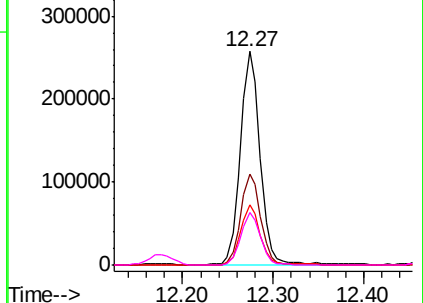


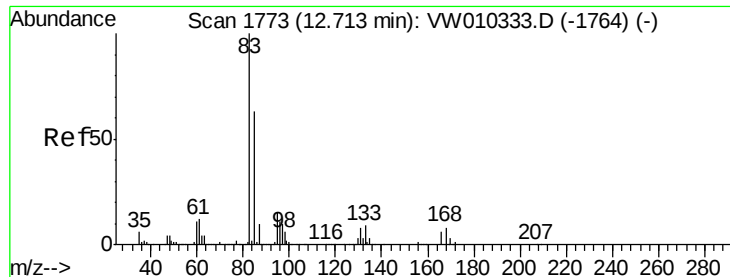
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 18.795 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW010340.D

Acq: 09 May 2019 16:52

Instrument :

MSVOA_W

ClientSampleId :

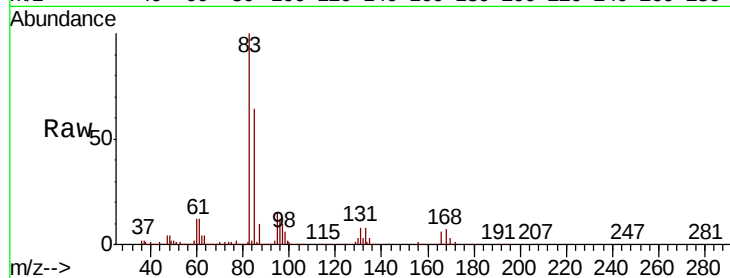
Tot Ion: 83 Resp: 317352

Ion Ratio Lower Upper

83 100

131 9.6 5.3 15.8

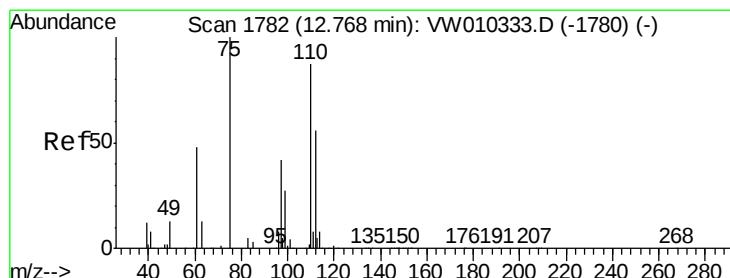
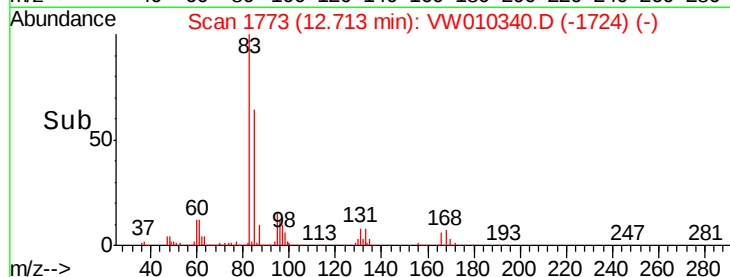
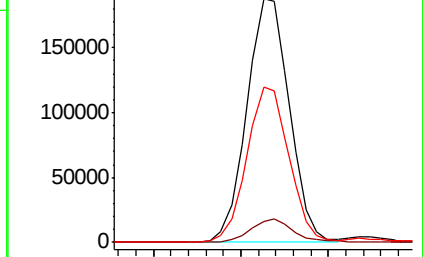
85 63.2 32.0 96.2



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 32.592 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW010340.D

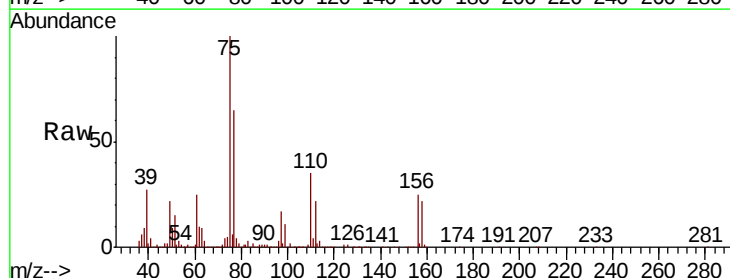
Acq: 09 May 2019 16:52

Tgt Ion: 75 Resp: 399509

Ion Ratio Lower Upper

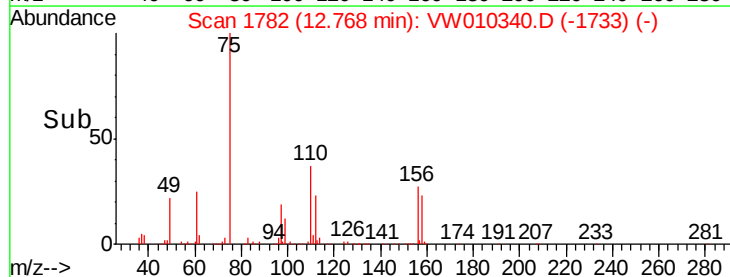
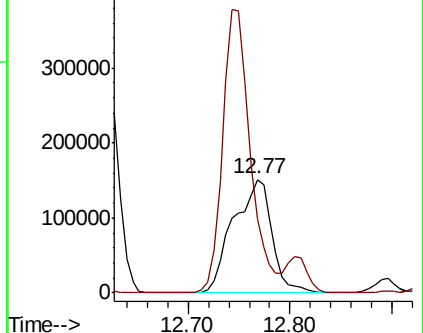
75 100

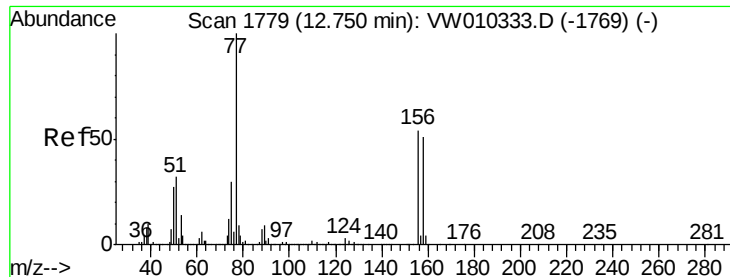
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 19.528 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010340.D

Acq: 09 May 2019 16:52

Instrument :

MSVOA_W

ClientSampleId :

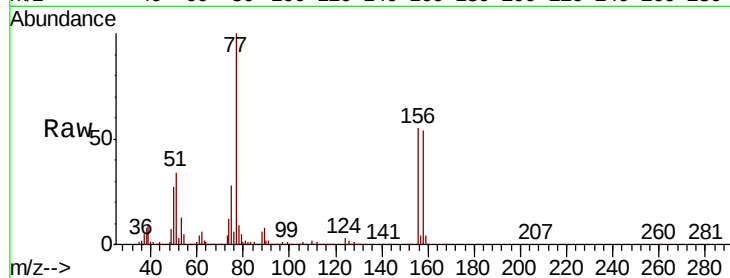
Tot Ion:156 Resp: 337901

Ion Ratio Lower Upper

156 100

77 212.4 102.5 307.4

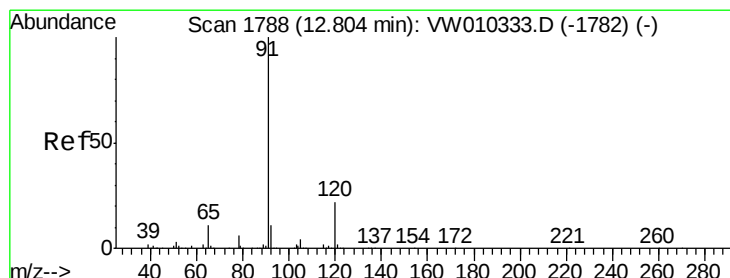
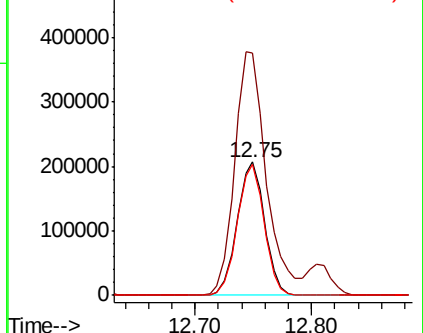
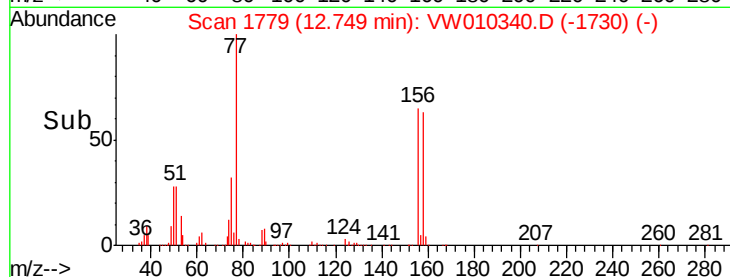
158 96.9 48.8 146.4



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: 19.895 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW010340.D

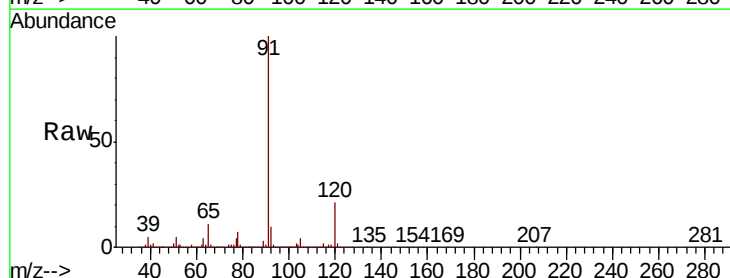
Acq: 09 May 2019 16:52

Tgt Ion: 91 Resp: 1883049

Ion Ratio Lower Upper

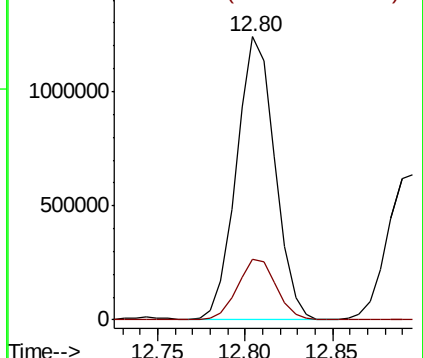
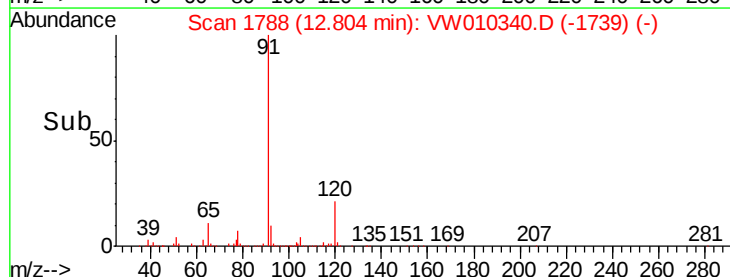
91 100

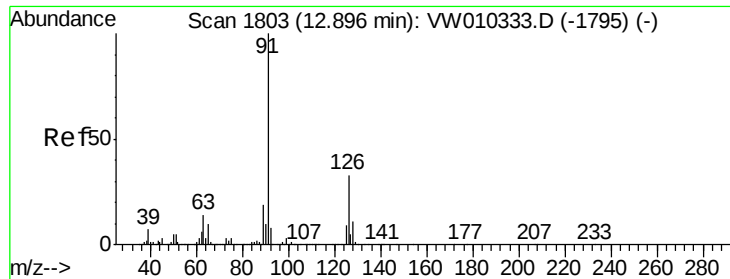
120 21.7 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

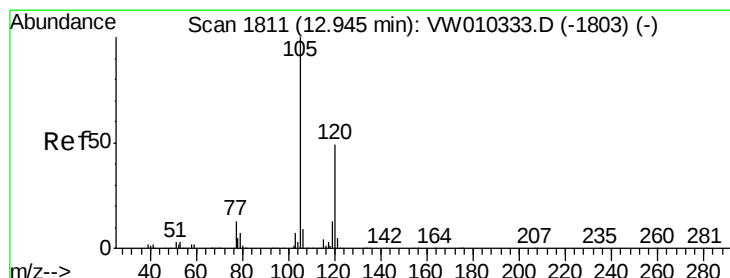
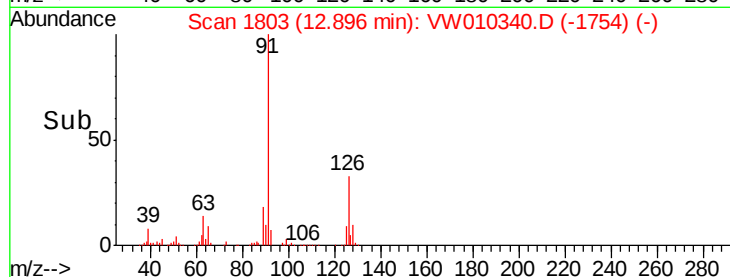
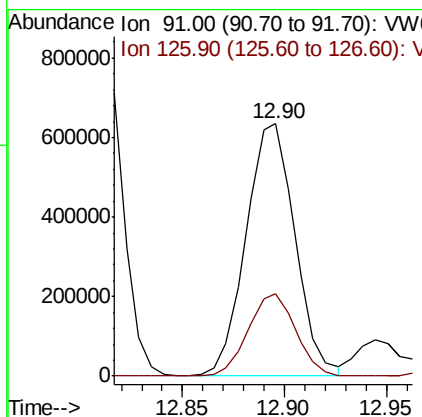
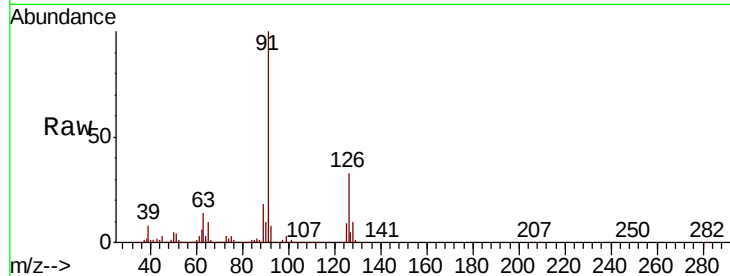




#79
 2-Chlorotoluene
 Concen: 19.622 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VW010340.D
 Acq: 09 May 2019 16:52

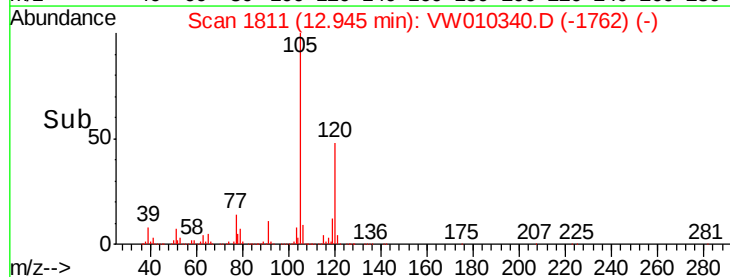
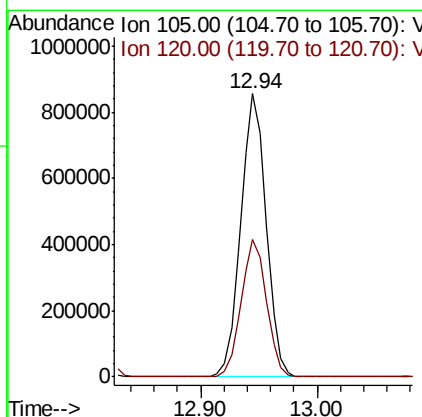
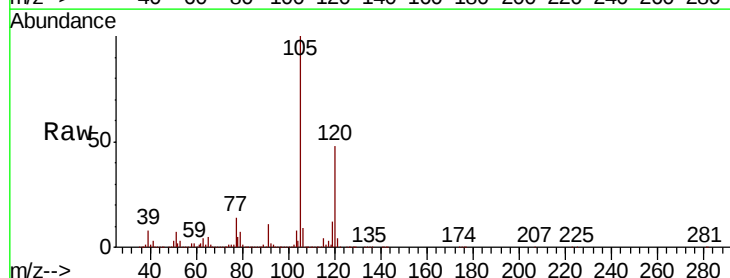
Instrument :
 MSVOA_W
 ClientSampleId :

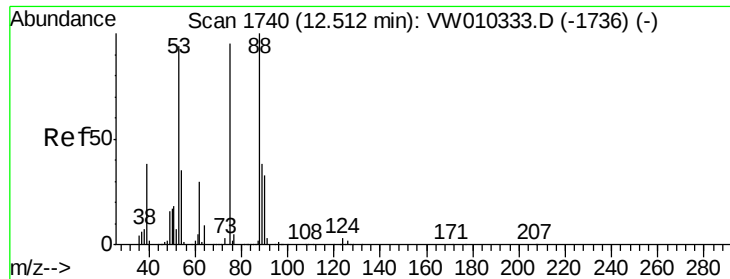
Tot Ion: 91 Resp: 1057651
 Ion Ratio Lower Upper
 91 100
 126 32.0 16.3 48.8



#80
 1,3,5-Trimethylbenzene
 Concen: 20.115 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW010340.D
 Acq: 09 May 2019 16:52

Tgt Ion: 105 Resp: 1299550
 Ion Ratio Lower Upper
 105 100
 120 48.7 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 17.856 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW010340.D

Acq: 09 May 2019 16:52

Instrument :

MSVOA_W

ClientSampleId :

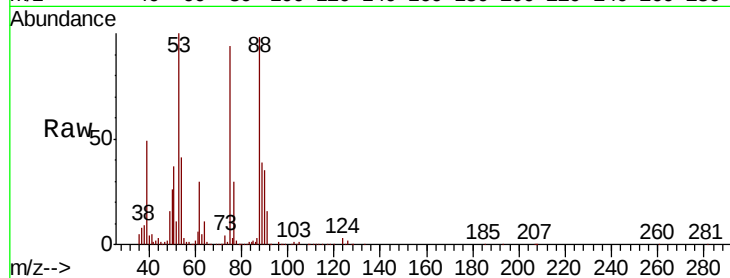
Tot Ion: 75 Resp: 96919

Ion Ratio Lower Upper

75 100

53 102.0 89.8 134.8

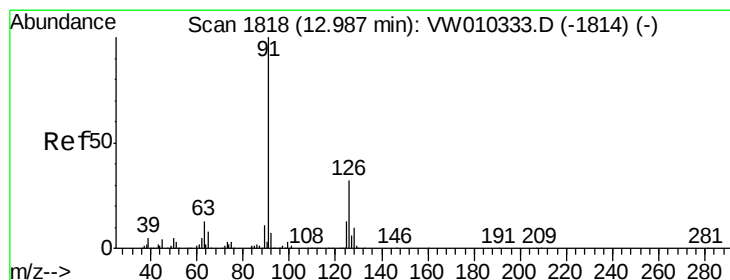
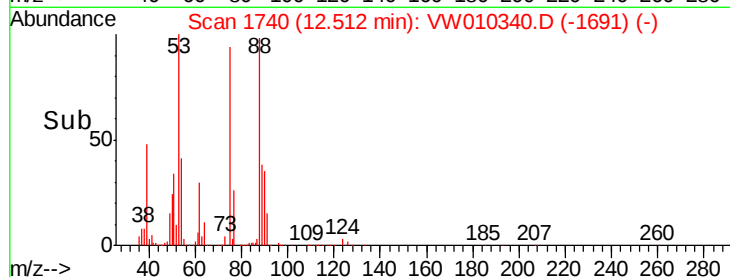
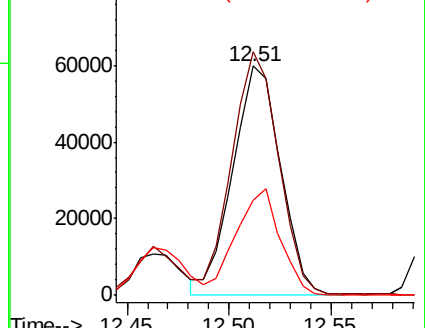
89 43.4 36.6 54.8



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: 19.849 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VW010340.D

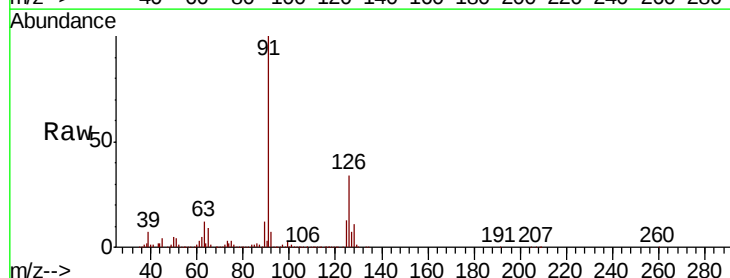
Acq: 09 May 2019 16:52

Tgt Ion: 91 Resp: 1120963

Ion Ratio Lower Upper

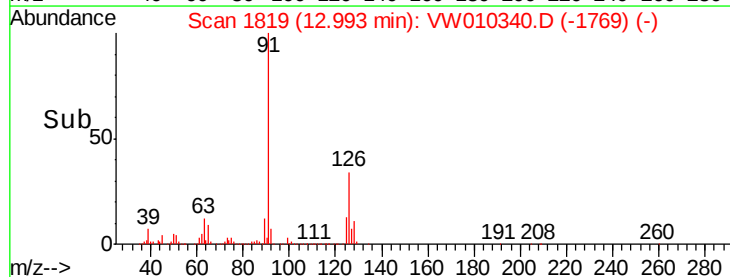
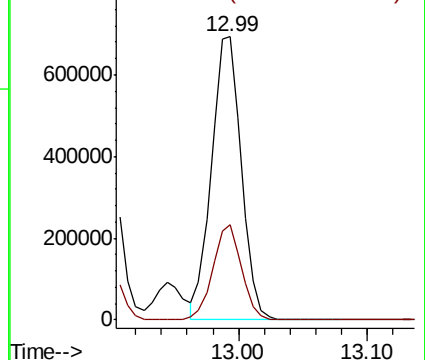
91 100

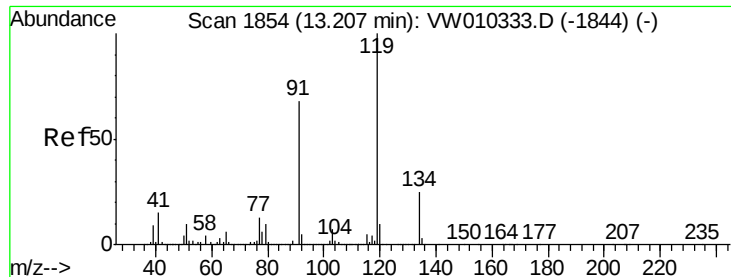
126 32.6 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 19.523 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VW010340.D

Acq: 09 May 2019 16:52

Instrument :

MSVOA_W

ClientSampled :

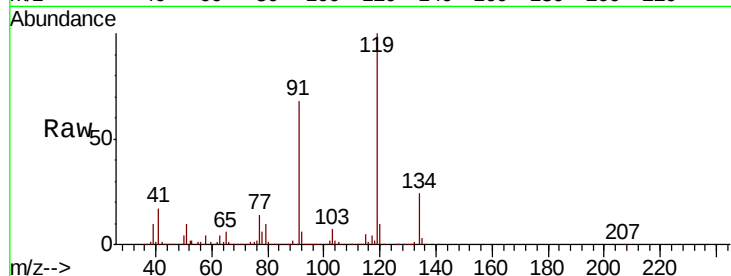
Tot Ion:119 Resp: 1052052

Ion Ratio Lower Upper

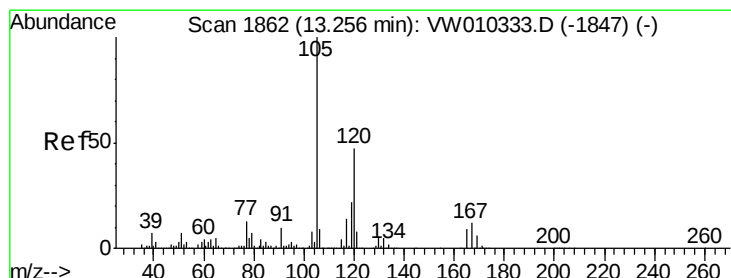
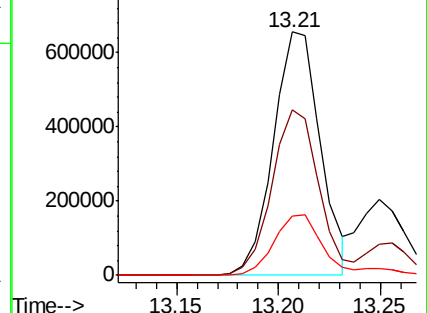
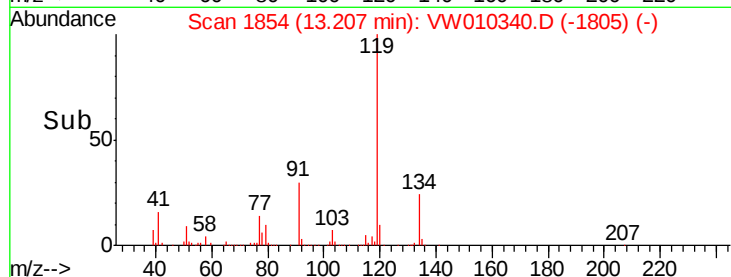
119 100

91 68.4 34.8 104.4

134 25.2 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: 20.465 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. -0.00 min

Lab File: VW010340.D

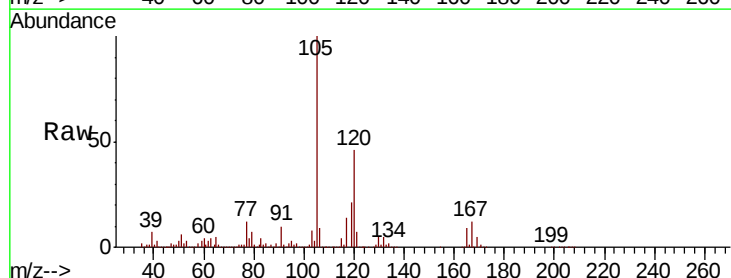
Acq: 09 May 2019 16:52

Tgt Ion:105 Resp: 1313852

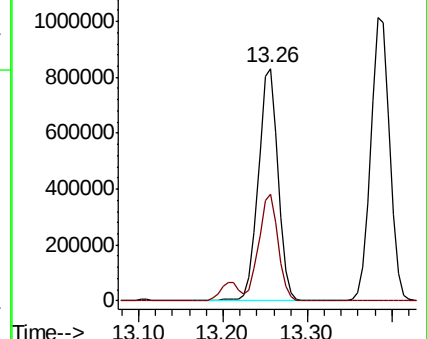
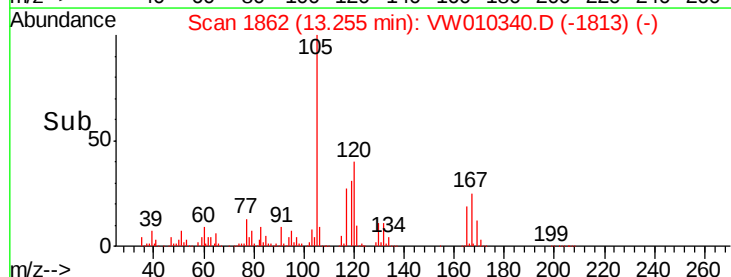
Ion Ratio Lower Upper

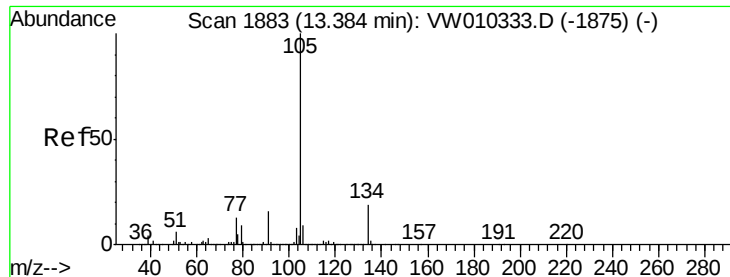
105 100

120 45.0 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: 19.892 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW010340.D

Acq: 09 May 2019 16:52

Instrument :

MSVOA_W

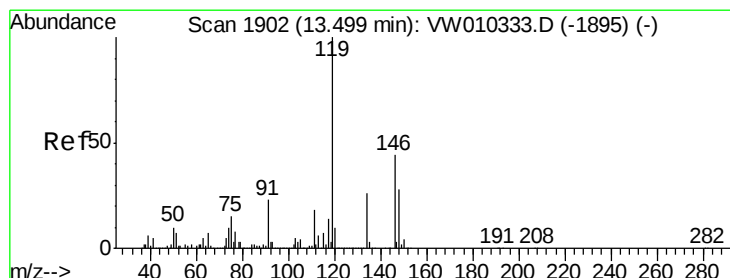
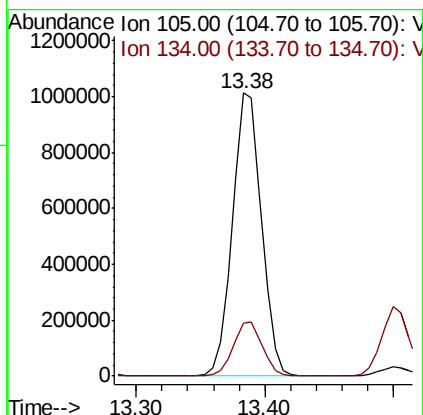
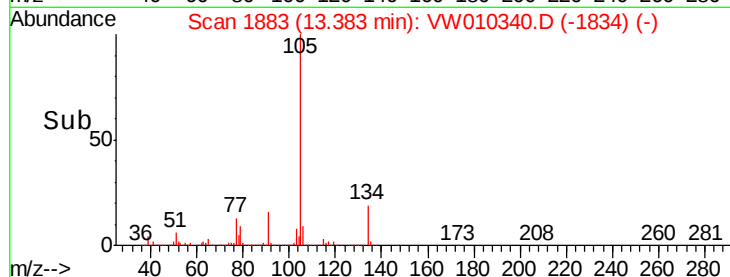
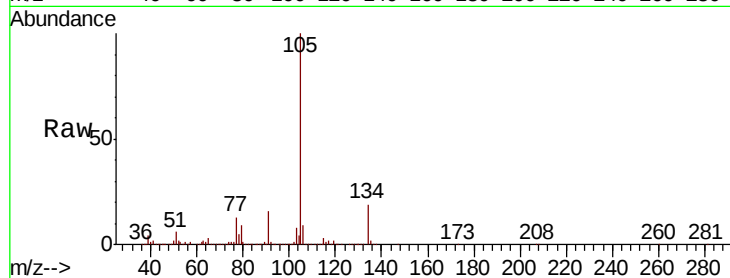
ClientSampled :

Tot Ion:105 Resp: 1582424

Ion Ratio Lower Upper

105 100

134 19.2 9.8 29.5



#86

p-Isopropyltoluene

Concen: 20.113 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010340.D

Acq: 09 May 2019 16:52

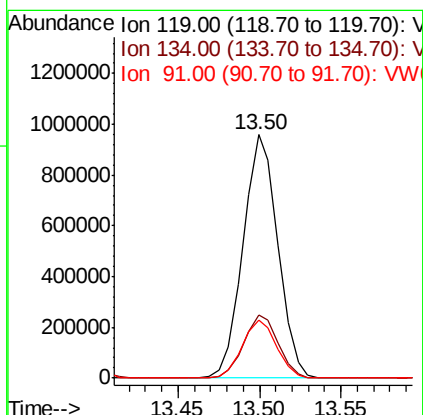
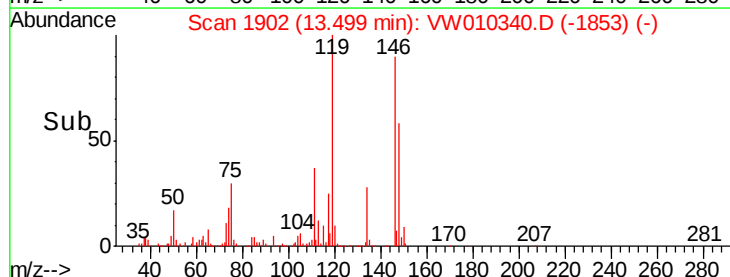
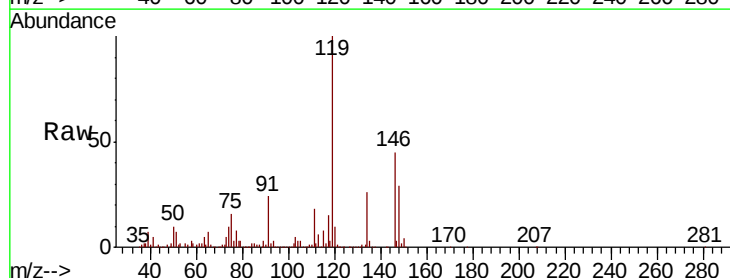
Tgt Ion:119 Resp: 1420573

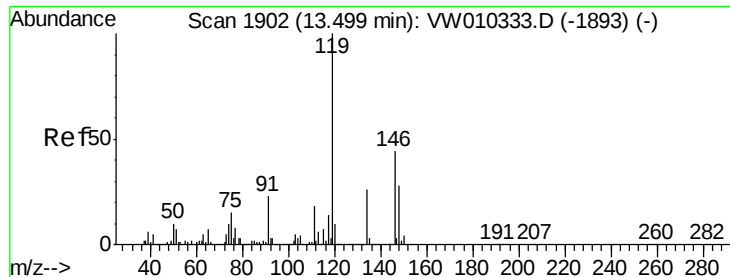
Ion Ratio Lower Upper

119 100

134 25.8 13.0 38.9

91 23.5 12.3 36.9

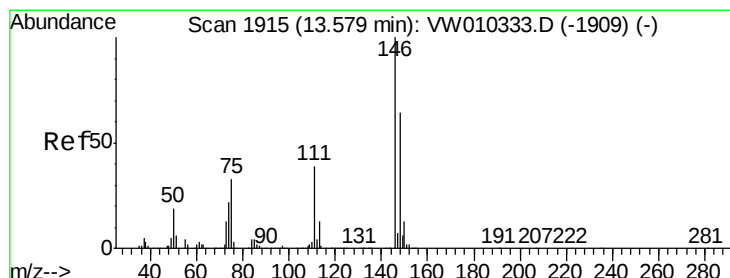
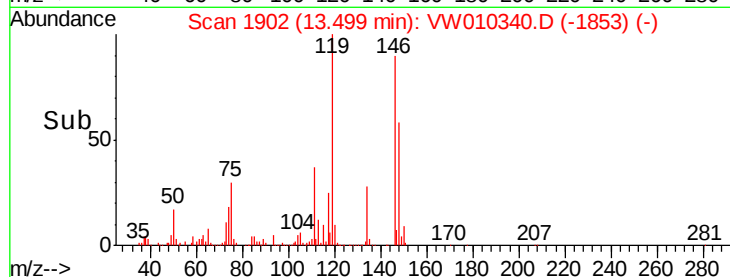
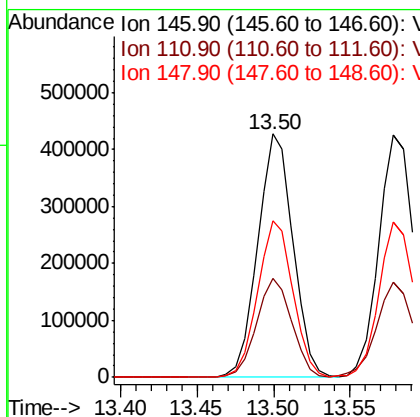
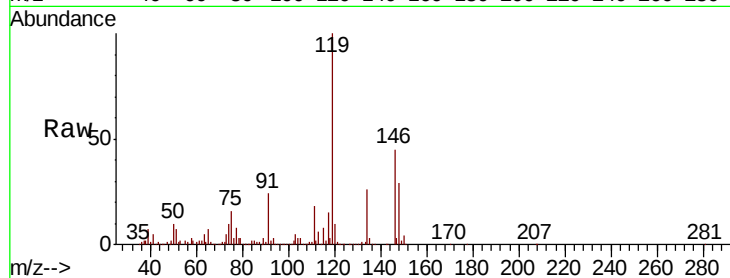




#87
 1,3-Dichlorobenzene
 Concen: 19.873 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010340.D
 Acq: 09 May 2019 16:52

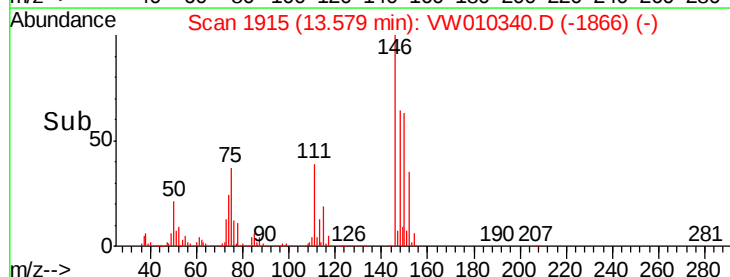
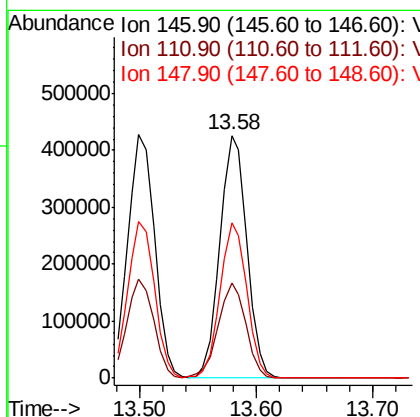
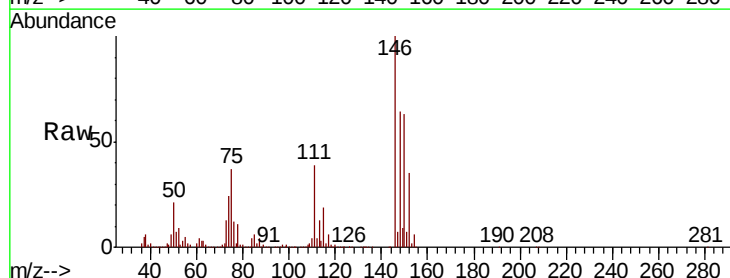
Instrument :
 MSVOA_W
 ClientSampleId :

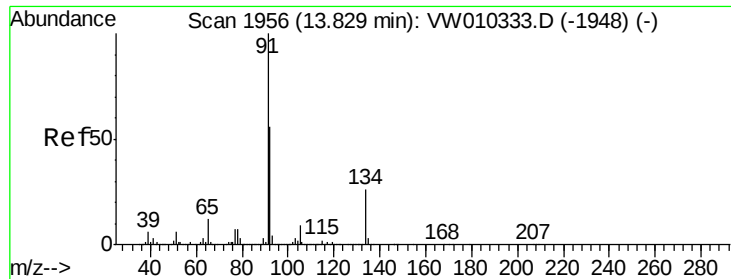
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.3	61.0
148	64.2	32.0	96.2



#88
 1,4-Dichlorobenzene
 Concen: 19.797 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW010340.D
 Acq: 09 May 2019 16:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.1	60.3
148	63.9	31.8	95.3

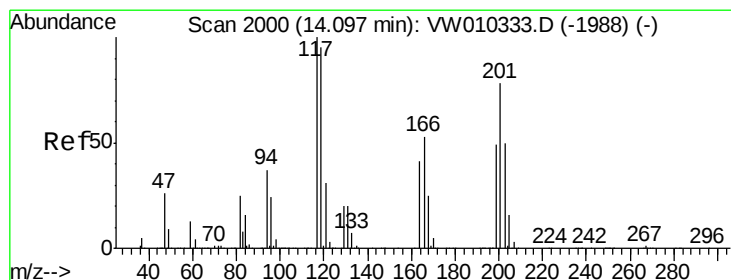
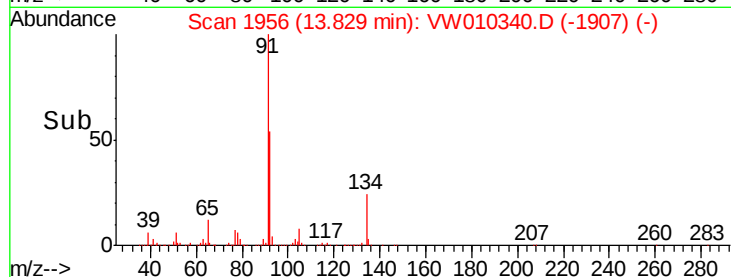
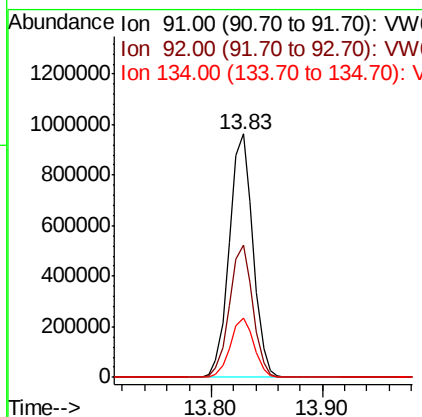
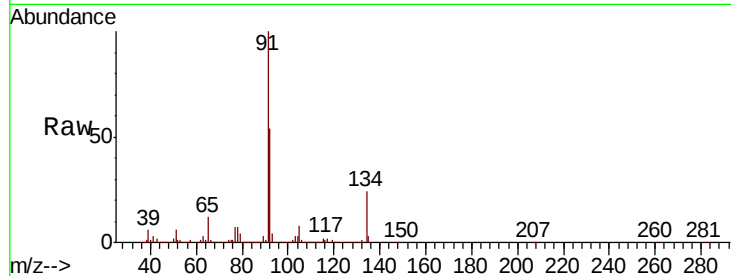




#89
n-Butylbenzene
Concen: 19.897 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW010340.D
Acq: 09 May 2019 16:52

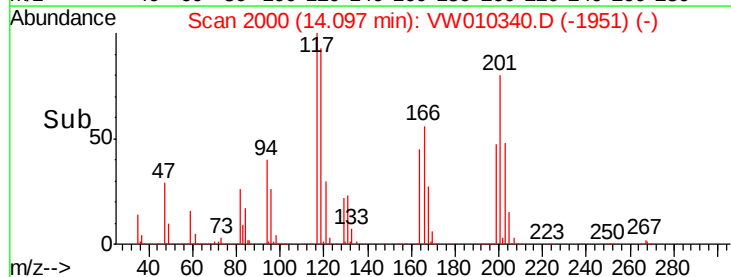
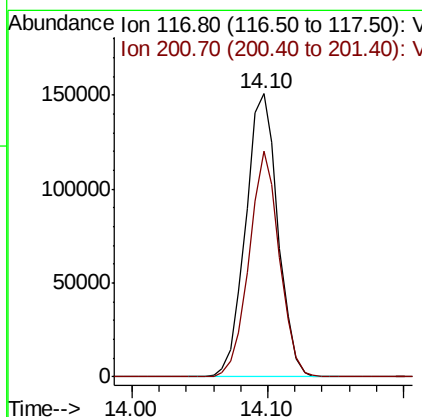
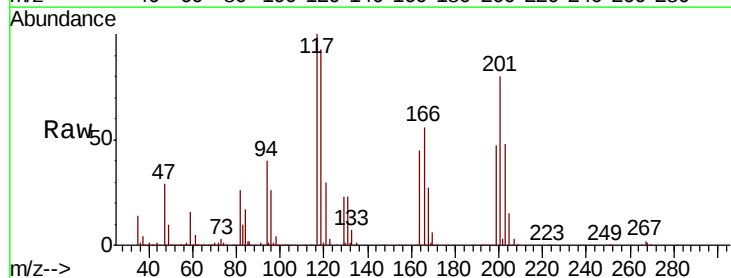
Instrument :
MSVOA_W
ClientSampleId :

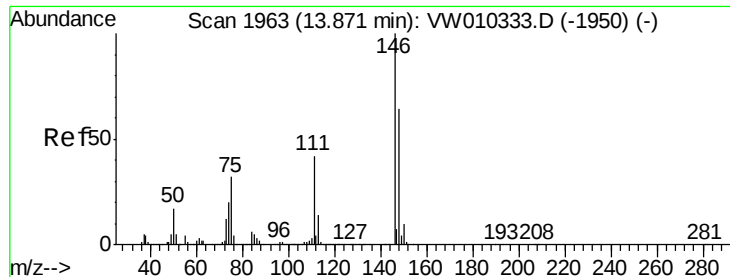
Tot Ion: 91 Resp: 1409143
Ion Ratio Lower Upper
91 100
92 53.8 26.5 79.4
134 24.4 12.4 37.0



#90
Hexachloroethane
Concen: 19.056 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW010340.D
Acq: 09 May 2019 16:52

Tgt Ion: 117 Resp: 249640
Ion Ratio Lower Upper
117 100
201 75.3 36.1 108.3





#91

1,2-Dichlorobenzene

Concen: 19.857 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW010340.D

Acq: 09 May 2019 16:52

Instrument :

MSVOA_W

ClientSampleId :

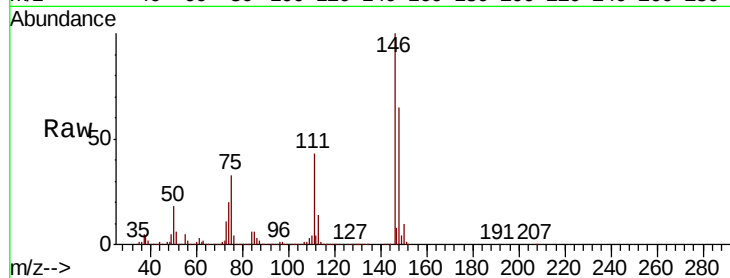
Tot Ion:146 Resp: 607340

Ion Ratio Lower Upper

146 100

111 42.8 20.9 62.8

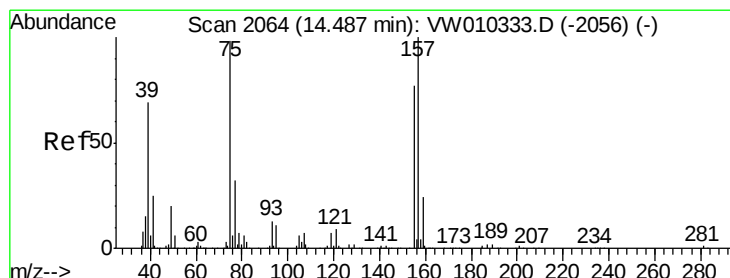
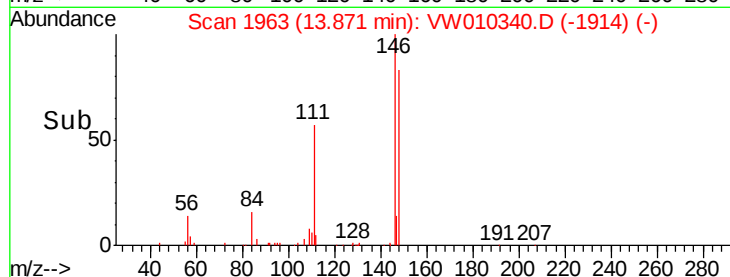
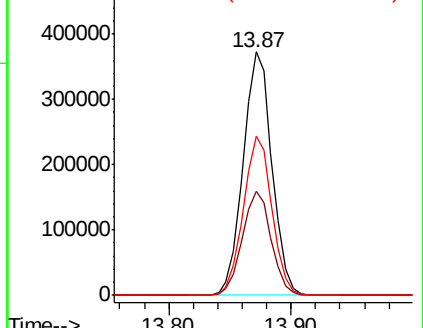
148 65.0 31.9 95.7



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: 17.719 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW010340.D

Acq: 09 May 2019 16:52

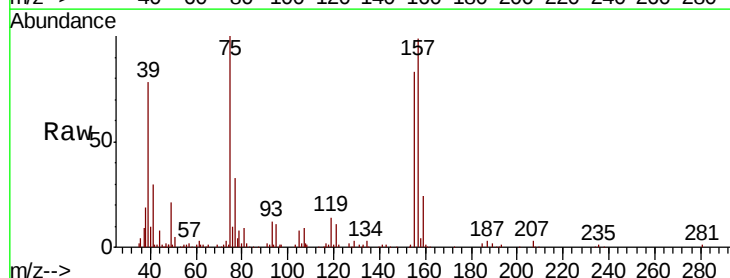
Tgt Ion: 75 Resp: 53876

Ion Ratio Lower Upper

75 100

155 77.5 37.1 111.5

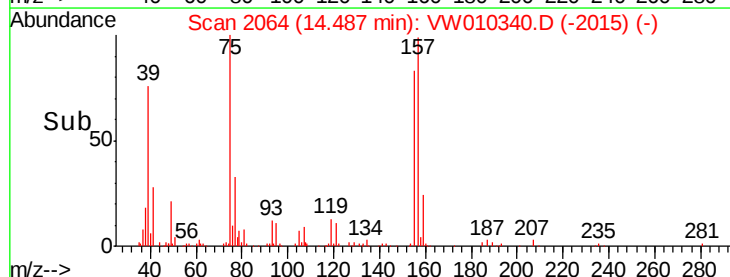
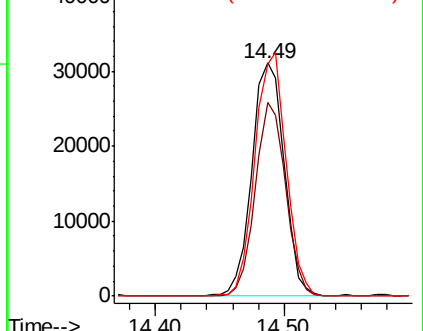
157 100.4 47.3 141.9

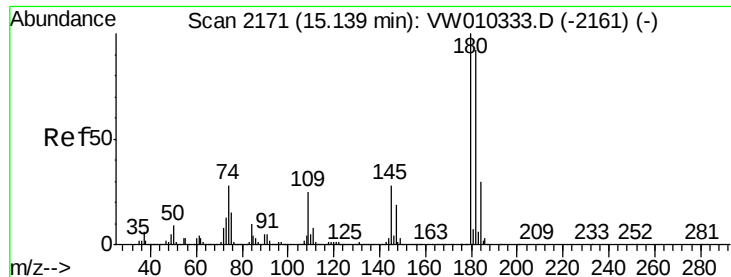


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

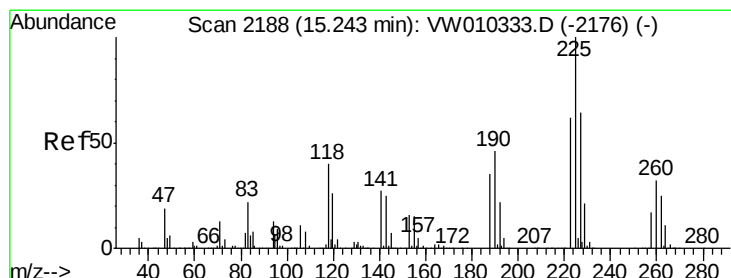
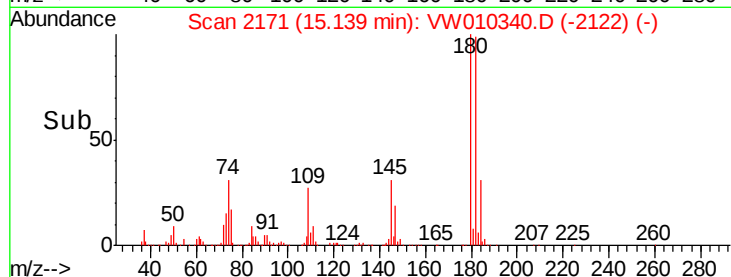
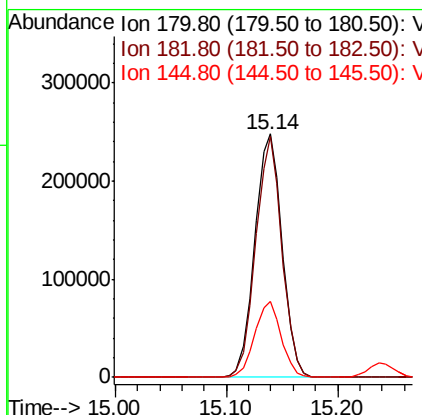
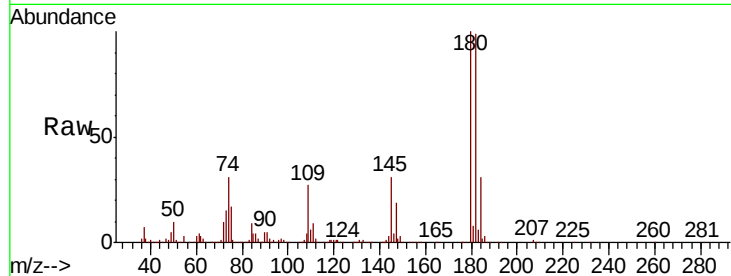




#93
 1,2,4-Trichlorobenzene
 Concen: 20.252 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010340.D
 Acq: 09 May 2019 16:52

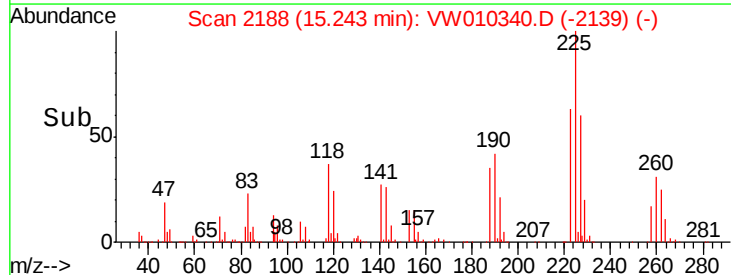
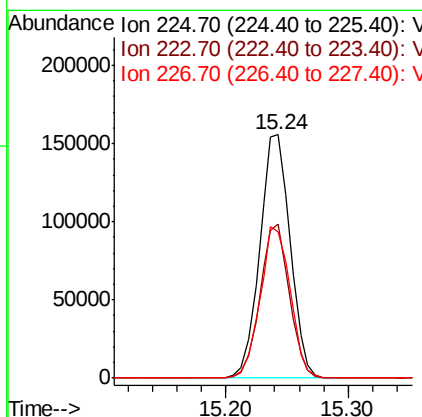
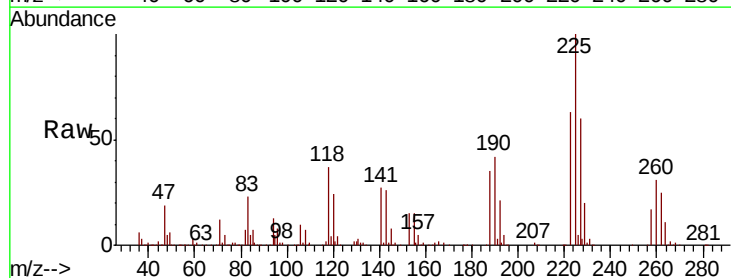
Instrument :
 MSVOA_W
 ClientSampleId :

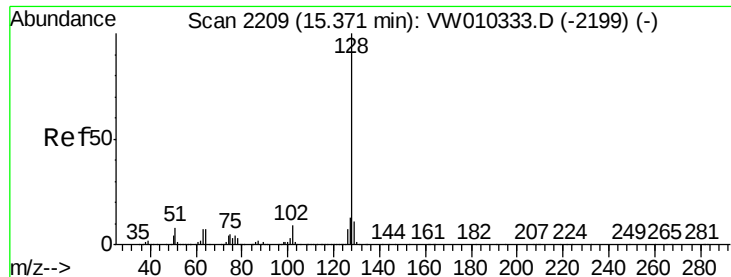
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.1	141.4
145	30.4	15.2	45.6



#94
 Hexachlorobutadiene
 Concen: 20.106 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW010340.D
 Acq: 09 May 2019 16:52

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.0	31.9	95.5
227	61.8	31.8	95.3

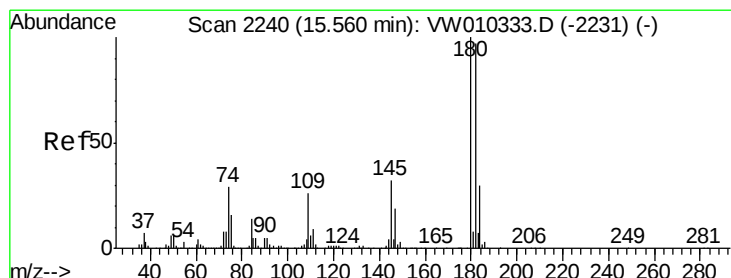
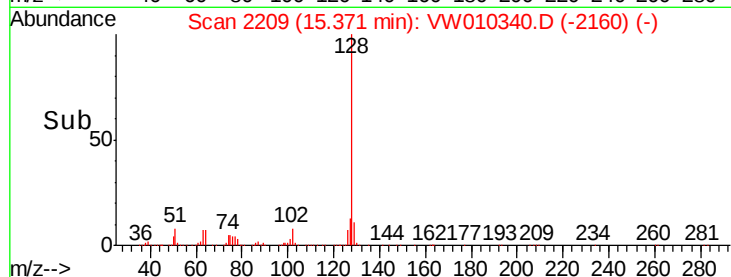
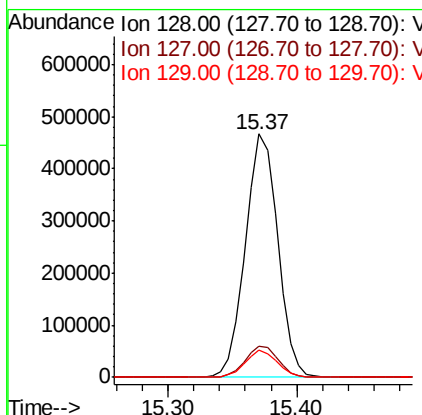
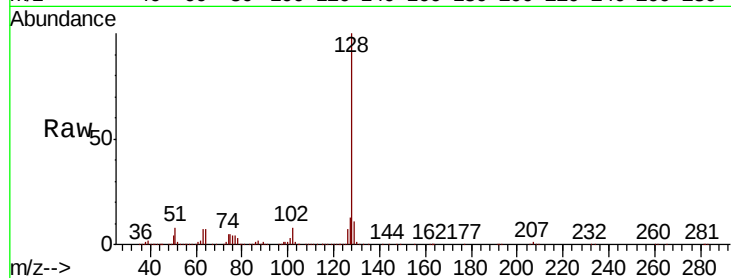




#95
Naphthalene
Concen: 19.368 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010340.D
Acq: 09 May 2019 16:52

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.6	15.8
129	11.0	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 19.852 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010340.D
Acq: 09 May 2019 16:52

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.8	143.3
145	32.8	16.4	49.2

