

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW051119\
 Data File : VW010393.D
 Acq On : 11 May 2019 20:53
 Operator : SY/VA
 Sample : K2719-03MSD
 Misc : 3.48G/5ML/MSVOA W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: May 12 00:29:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050919S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 10 03:41:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	612092	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	938473	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	464372	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	93883	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	491422	75.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	151.04%	
35) Dibromofluoromethane	7.88	113	372694	67.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	135.72%	
50) Toluene-d8	10.32	98	793750	35.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	70.98%	
62) 4-Bromofluorobenzene	12.62	95	147718	18.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	348515	74.026	ug/l	96
3) Chloromethane	2.21	50	327583	52.282	ug/l	96
4) Vinyl Chloride	2.37	62	566058	72.694	ug/l	98
5) Bromomethane	2.78	94	98417	21.917	ug/l	99
6) Chloroethane	2.92	64	370067	82.179	ug/l	99
7) Trichlorofluoromethane	3.25	101	191531	49.134	ug/l	95
8) Diethyl Ether	3.67	74	335400	97.872	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.05	101	316144	49.495	ug/l	98
10) Methyl Iodide	4.27	142	104644	11.569	ug/l	94
11) Tert butyl alcohol	5.18	59	206687	449.752	ug/l	100
12) 1,1-Dichloroethene	4.03	96	363825	54.510	ug/l	94
13) Acrolein	3.88	56	639	1.053	ug/l #	16
14) Allyl chloride	4.65	41	372386	37.377	ug/l	93
15) Acrylonitrile	5.36	53	216253	113.852	ug/l	98
16) Acetone	4.12	43	858777	506.228	ug/l	96
17) Carbon Disulfide	4.37	76	794497	39.358	ug/l	99
18) Methyl Acetate	4.67	43	212012	50.456	ug/l	95
19) Methyl tert-butyl Ether	5.42	73	745919	93.880	ug/l	98
20) Methylene Chloride	4.91	84	589799	83.356	ug/l	93
21) trans-1,2-Dichloroethene	5.42	96	437143	60.845	ug/l	97
22) Diisopropyl ether	6.31	45	1672268	86.485	ug/l	93
23) Vinyl Acetate	6.31	43	856189	64.486	ug/l #	76
24) 1,1-Dichloroethane	6.21	63	950338	73.000	ug/l	99
25) 2-Butanone	7.17	43	486147	187.326	ug/l	95
26) 2,2-Dichloropropane	7.16	77	213887	33.022	ug/l	91
27) cis-1,2-Dichloroethene	7.17	96	457308	61.895	ug/l	94
28) Bromochloromethane	7.51	49	345072	71.897	ug/l	99
29) Tetrahydrofuran	7.53	42	688157	409.963	ug/l	96
30) Chloroform	7.67	83	846225	69.458	ug/l	99
31) Cyclohexane	7.95	56	440481	33.046	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	534785	56.669	ug/l	99
36) 1,1-Dichloropropene	8.08	75	461562	45.360	ug/l	99
37) Ethyl Acetate	7.17	43	486147	89.730	ug/l #	1
38) Carbon Tetrachloride	8.06	117	427155	48.971	ug/l	99

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050919S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 10 03:41:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.33	83	280738	22.553	ug/l	98
40) Benzene	8.32	78	1441009	51.710	ug/l	100
41) Methacrylonitrile	7.52	41	412524	135.770	ug/l #	49
42) 1,2-Dichloroethane	8.40	62	630785	79.078	ug/l	98
44) Trichloroethene	9.09	130	315473	45.219	ug/l	98
45) 1,2-Dichloropropane	9.37	63	473537	68.361	ug/l	100
46) Dibromomethane	9.46	93	267071	74.631	ug/l	99
47) Bromodichloromethane	9.64	83	487834	56.830	ug/l	99
48) Methyl methacrylate	9.37	41	405852	95.528	ug/l #	49
49) 1,4-Dioxane	9.45	88	106002	1698.561	ug/l #	93
51) 4-Methyl-2-Pentanone	10.21	43	1518865	294.795	ug/l	95
52) Toluene	10.39	92	606668	35.617	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	155071	17.834	ug/l	92
54) cis-1,3-Dichloropropene	10.07	75	158021	15.346	ug/l	90
55) 1,1,2-Trichloroethane	10.79	97	315447	62.062	ug/l	98
57) 1,3-Dichloropropane	10.93	76	563976	62.068	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	145132	45.162	ug/l	100
59) 2-Hexanone	10.97	43	466840	128.153	ug/l	96
60) Dibromochloromethane	11.13	129	251019	45.896	ug/l	100
61) 1,2-Dibromoethane	11.24	107	194337	39.829	ug/l	96
64) Tetrachloroethene	10.86	164	179338	55.255	ug/l	99
65) Chlorobenzene	11.66	112	477494	49.673	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	243092	74.821	ug/l	97
67) Ethyl Benzene	11.73	91	808536	45.722	ug/l	100
68) m/p-Xylenes	11.83	106	376620	57.322	ug/l	97
69) o-Xylene	12.17	106	264314	44.471	ug/l	99
70) Styrene	12.18	104	179290	17.312	ug/l #	86
71) Bromoform	12.35	173	110613	59.557	ug/l	97
73) Isopropylbenzene	12.47	105	522883	76.410	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	256286	169.975	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	267328	244.225	ug/l #	100
77) Bromobenzene	12.75	156	137769	89.163	ug/l	83
78) n-propylbenzene	12.80	91	492326	58.251	ug/l	99
79) 2-Chlorotoluene	12.90	91	302520	62.852	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	315759	54.733	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.62	75	75198	155.144	ug/l #	6
82) 4-Chlorotoluene	12.99	91	196183	38.901	ug/l	98
83) tert-Butylbenzene	13.21	119	260451	54.126	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	285888	49.869	ug/l	99
85) sec-Butylbenzene	13.38	105	300726	42.335	ug/l	99
86) p-Isopropyltoluene	13.50	119	49007	7.770	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	146017	47.325	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	148594	48.530	ug/l	99
89) n-Butylbenzene	13.83	91	149543	23.647	ug/l	98
90) Hexachloroethane	14.10	117	34008	29.071	ug/l	93
91) 1,2-Dichlorobenzene	13.87	146	130160	47.656	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	31155	114.744	ug/l	97
93) 1,2,4-Trichlorobenzene	15.14	180	32607	17.493	ug/l	97
94) Hexachlorobutadiene	15.24	225	21767	18.215	ug/l	97
95) Naphthalene	15.37	128	72757	19.452	ug/l	98

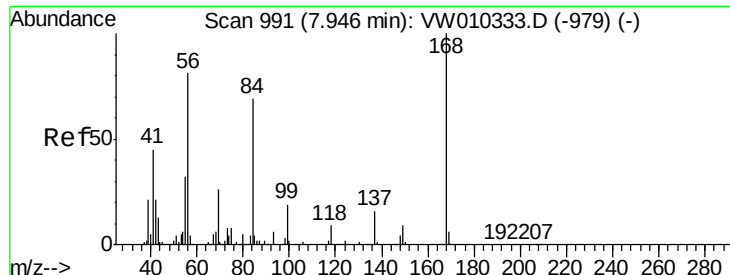
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	15.56	180	27067	16.073	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW010393.D

Acq: 11 May 2019 20:53

Instrument :

MSVOA_W

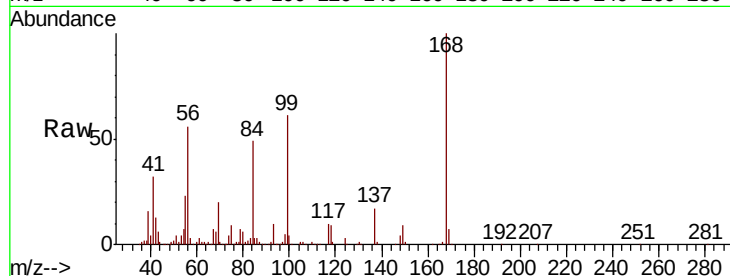
ClientSampleId :

Tot Ion:168 Resp: 612092

Ion Ratio Lower Upper

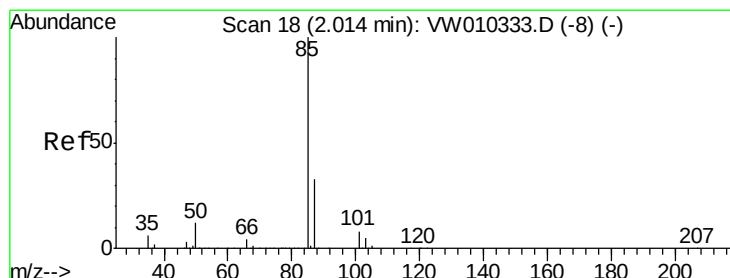
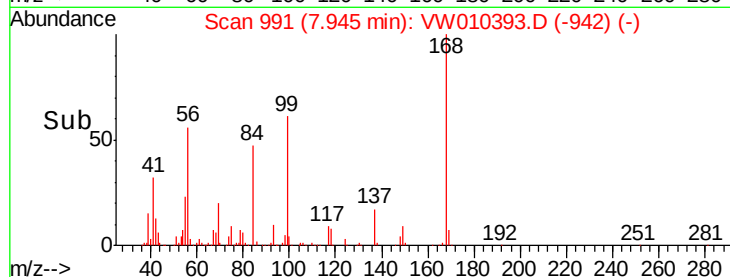
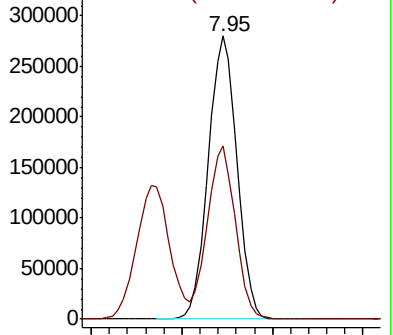
168 100

99 61.2 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 74.026 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW010393.D

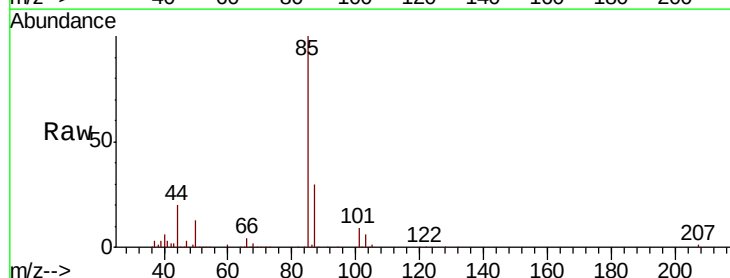
Acq: 11 May 2019 20:53

Tgt Ion: 85 Resp: 348515

Ion Ratio Lower Upper

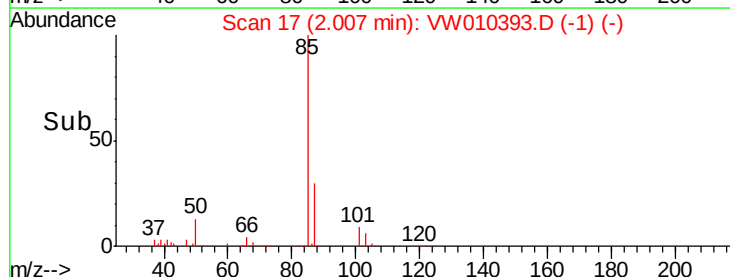
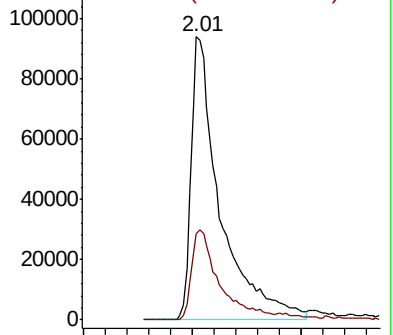
85 100

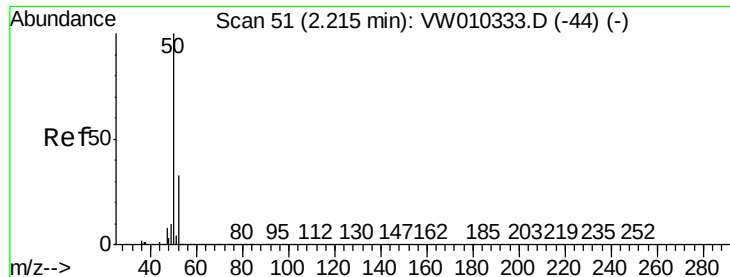
87 30.4 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 52.282 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW010393.D

Acq: 11 May 2019 20:53

Instrument :

MSVOA_W

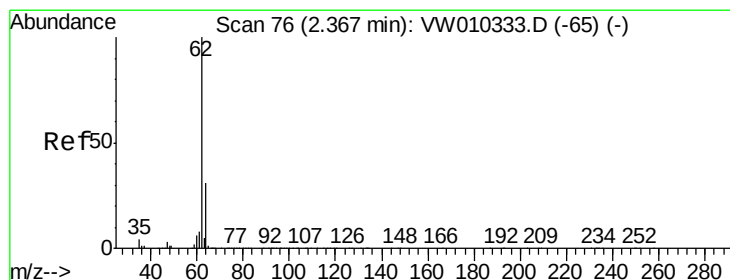
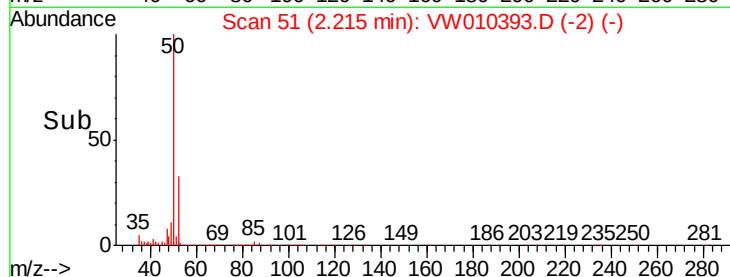
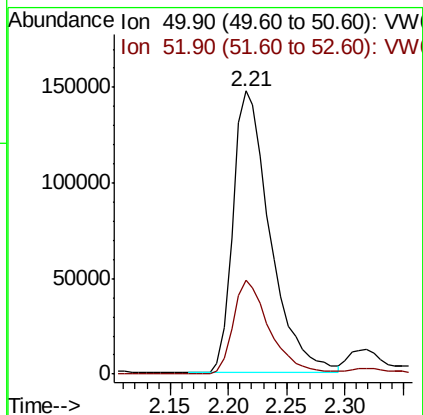
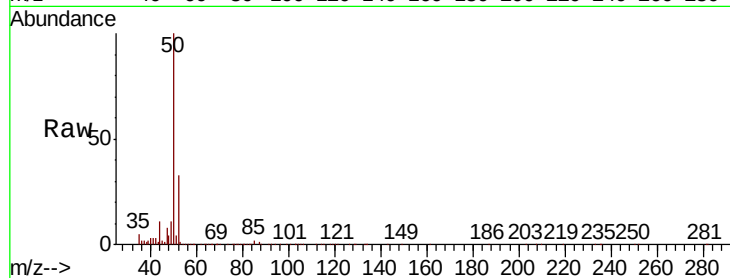
ClientSampleId :

Tot Ion: 50 Resp: 327583

Ion Ratio Lower Upper

50 100

52 33.3 25.0 37.6



#4

Vinyl Chloride

Concen: 72.694 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW010393.D

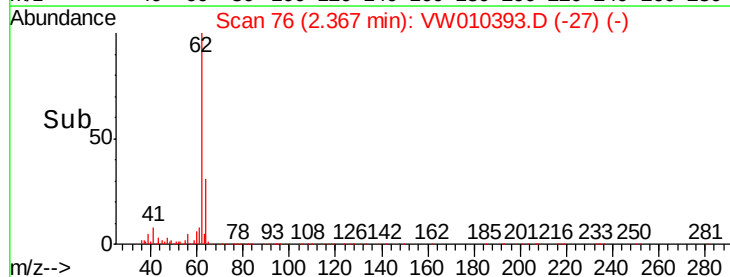
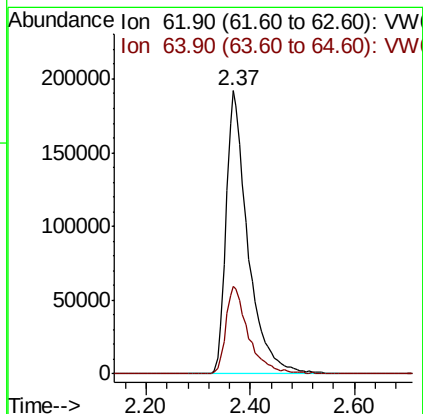
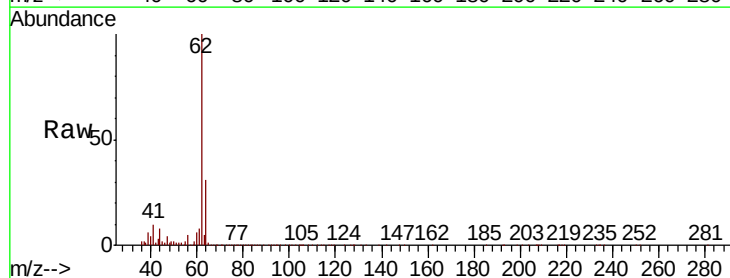
Acq: 11 May 2019 20:53

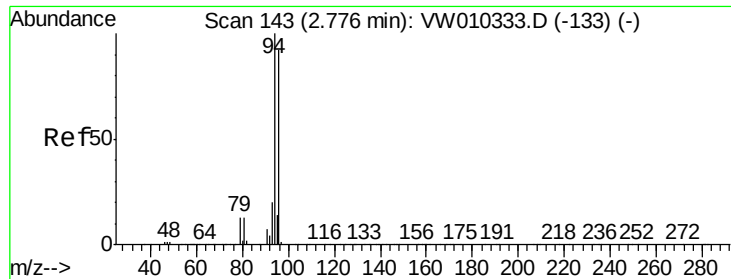
Tgt Ion: 62 Resp: 566058

Ion Ratio Lower Upper

62 100

64 31.1 25.9 38.9





#5

Bromomethane

Concen: 21.917 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW010393.D

Acq: 11 May 2019 20:53

Instrument :

MSVOA_W

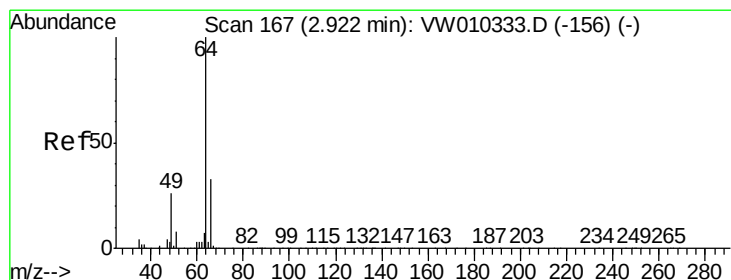
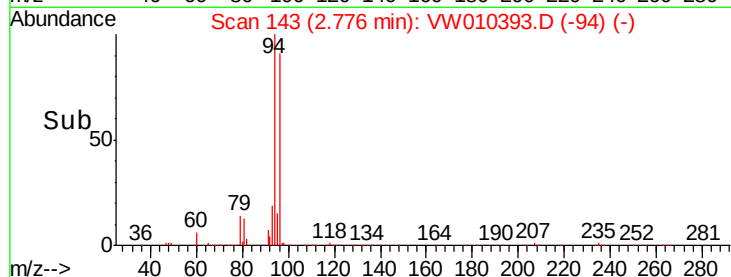
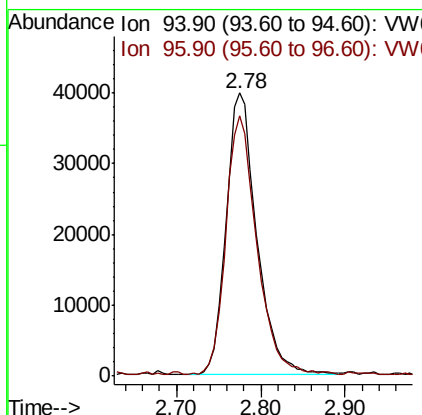
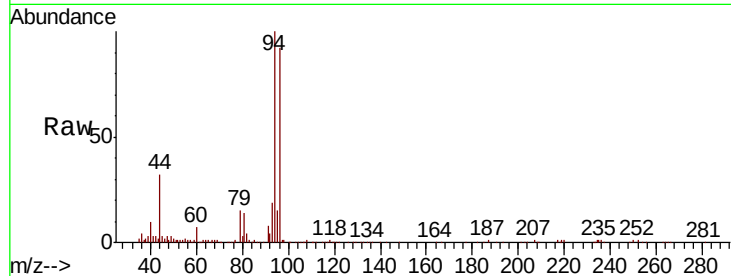
ClientSampleId :

Tot Ion: 94 Resp: 98417

Ion Ratio Lower Upper

94 100

96 91.7 74.2 111.2



#6

Chloroethane

Concen: 82.179 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW010393.D

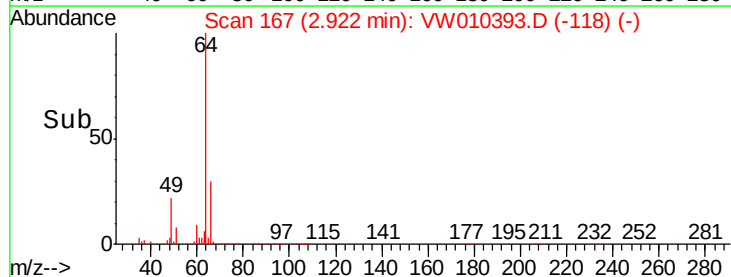
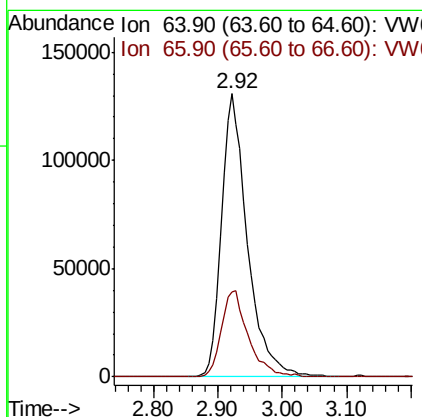
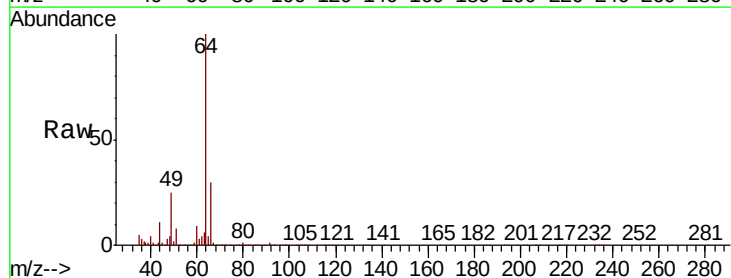
Acq: 11 May 2019 20:53

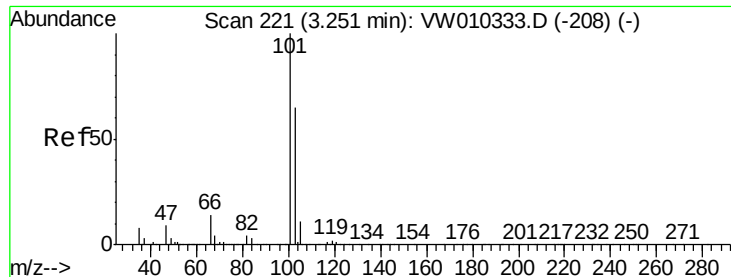
Tgt Ion: 64 Resp: 370067

Ion Ratio Lower Upper

64 100

66 29.8 23.4 35.0



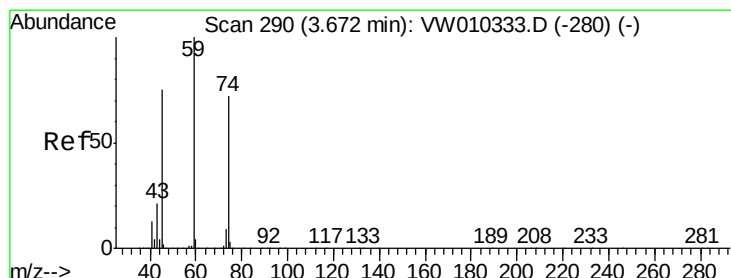
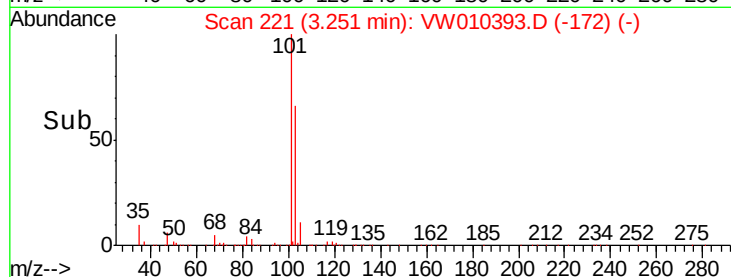
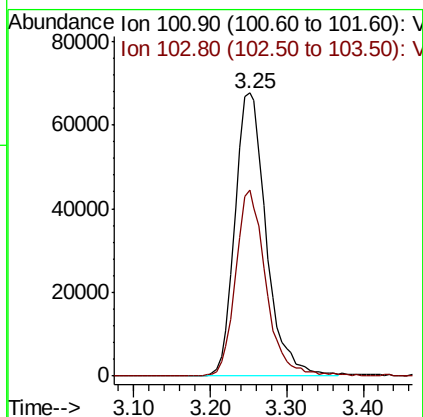
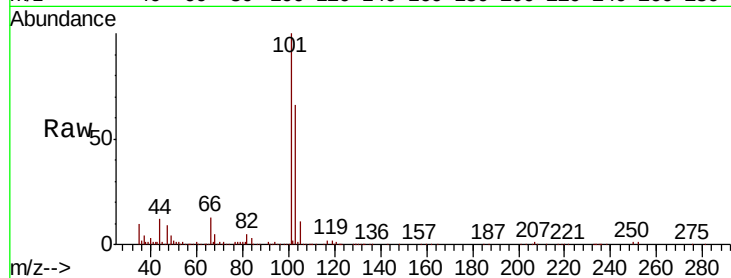


#7

Trichlorofluoromethane
Concen: 49.134 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.00 min
Lab File: VW010393.D
Acq: 11 May 2019 20:53

Instrument :
MSVOA_W
ClientSampleId :

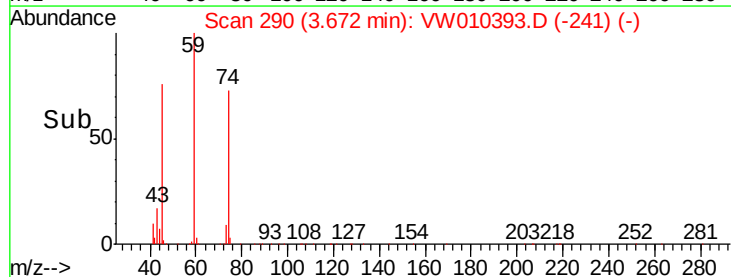
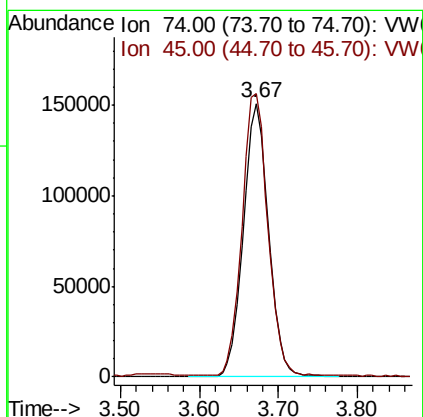
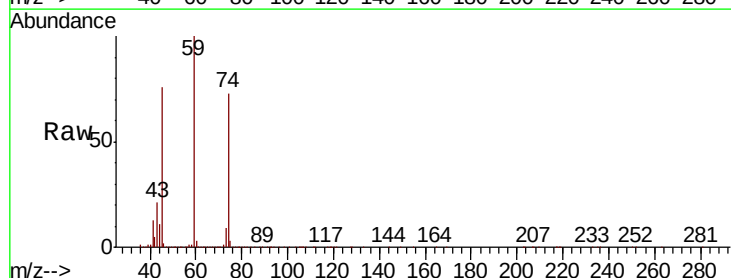
Tot Ion:101 Resp: 191531
Ion Ratio Lower Upper
101 100
103 65.9 49.8 74.6

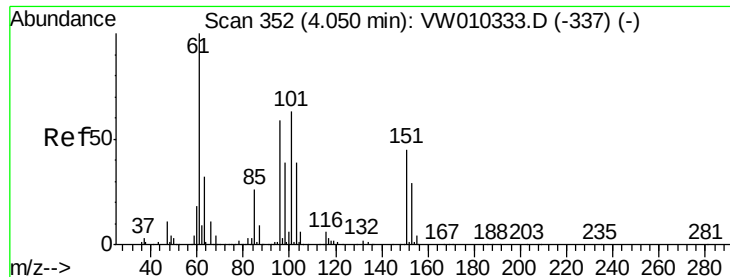


#8

Diethyl Ether
Concen: 97.872 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.00 min
Lab File: VW010393.D
Acq: 11 May 2019 20:53

Tgt Ion: 74 Resp: 335400
Ion Ratio Lower Upper
74 100
45 105.6 56.0 168.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.495 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.00 min

Lab File: VW010393.D

Acq: 11 May 2019 20:53

Instrument :

MSVOA_W

ClientSampleId :

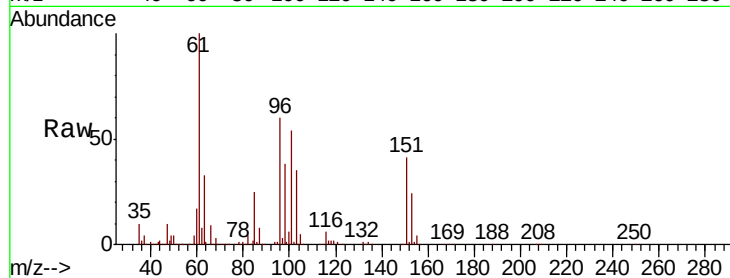
Tot Ion:101 Resp: 316144

Ion Ratio Lower Upper

101 100

85 44.6 36.3 54.5

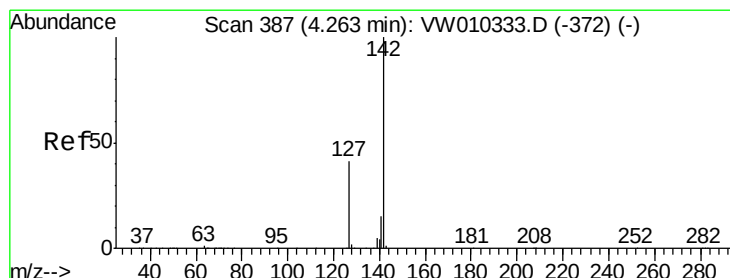
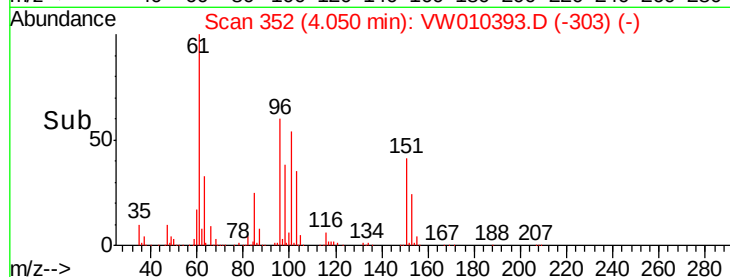
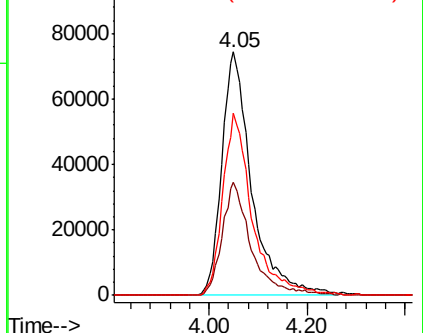
151 73.6 60.2 90.2



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: 11.569 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.01 min

Lab File: VW010393.D

Acq: 11 May 2019 20:53

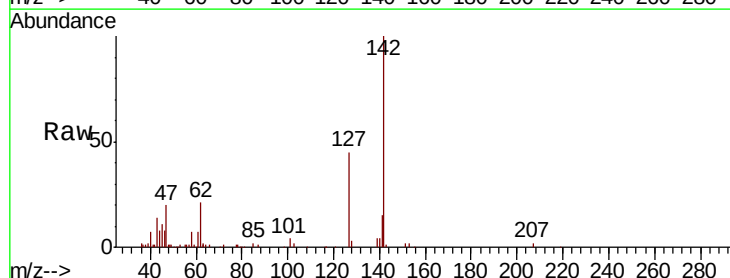
Tgt Ion:142 Resp: 104644

Ion Ratio Lower Upper

142 100

127 42.9 38.1 57.1

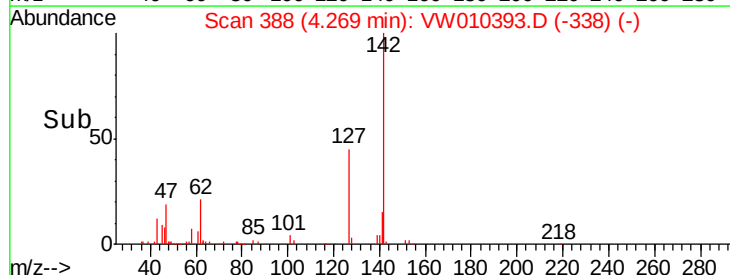
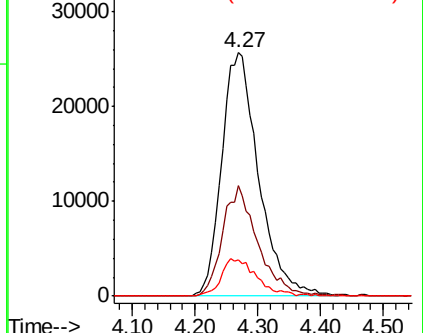
141 14.6 12.2 18.2

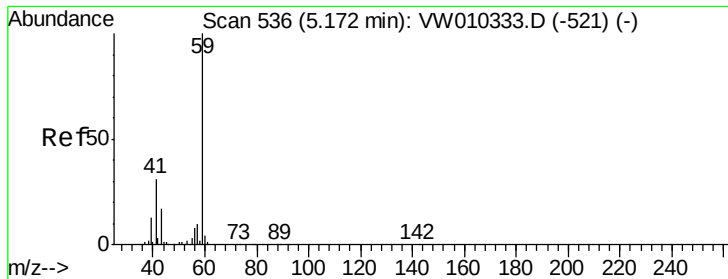


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



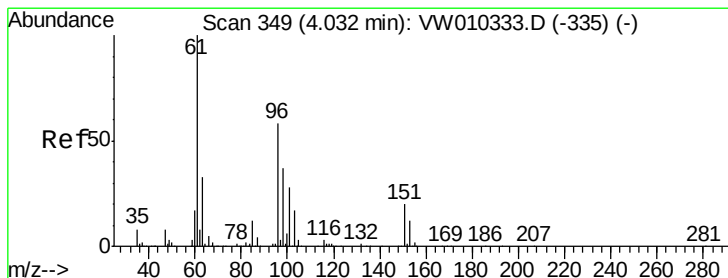
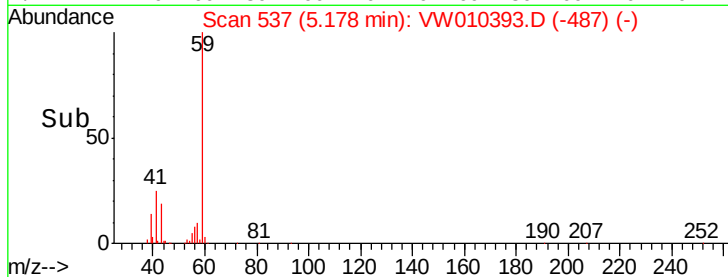
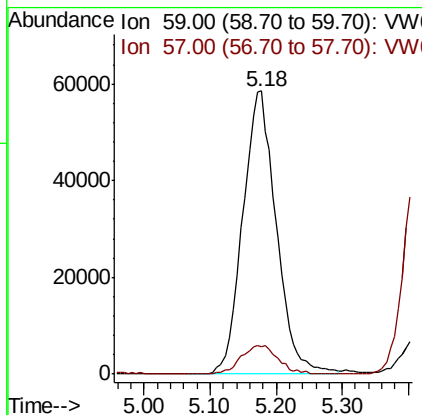
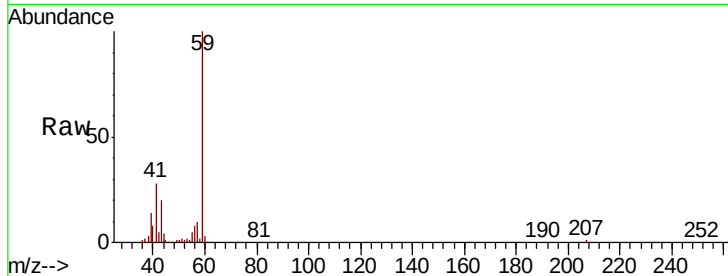


#11

Tert butyl alcohol
Concen: 449.752 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.01 min
Lab File: VW010393.D
Acq: 11 May 2019 20:53

Instrument :
MSVOA_W
ClientSampleId :

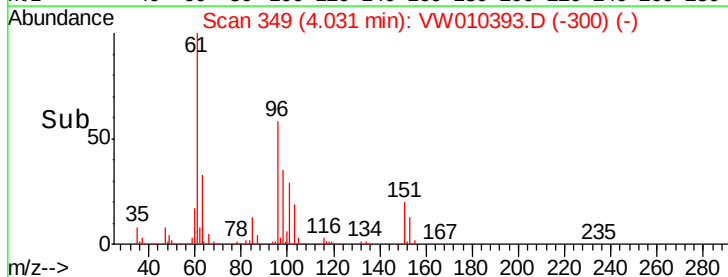
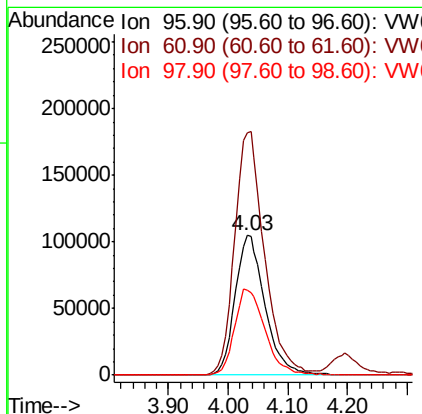
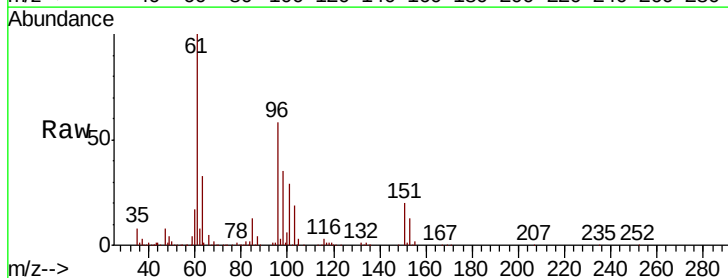
Tot Ion: 59 Resp: 206687
Ion Ratio Lower Upper
59 100
57 11.3 9.0 13.4

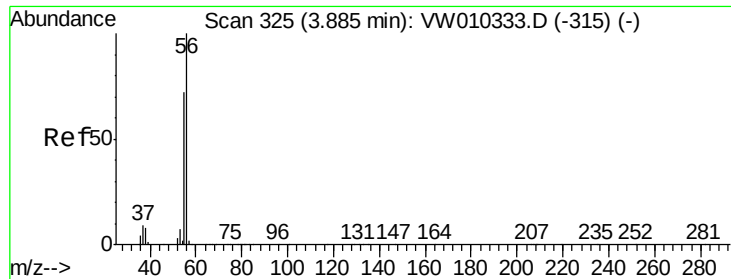


#12

1,1-Dichloroethene
Concen: 54.510 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.00 min
Lab File: VW010393.D
Acq: 11 May 2019 20:53

Tgt Ion: 96 Resp: 363825
Ion Ratio Lower Upper
96 100
61 173.6 147.4 221.2
98 61.1 49.7 74.5

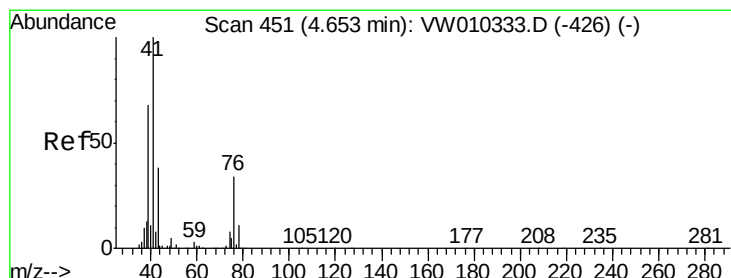
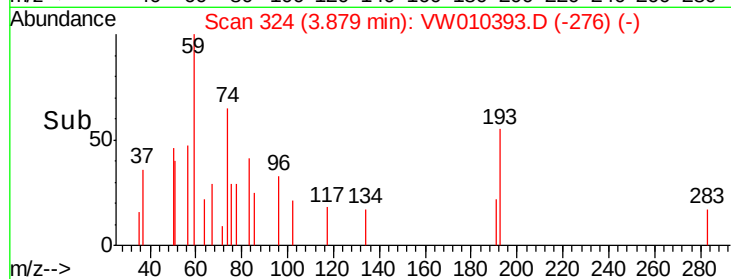
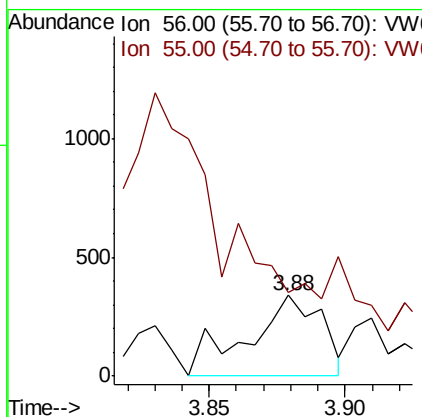
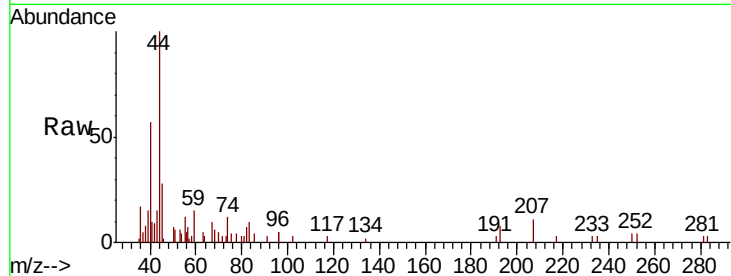




#13
Acrolein
Concen: 1.053 ug/l
RT: 3.88 min Scan# 324
Delta R.T. -0.01 min
Lab File: VW010393.D
Acq: 11 May 2019 20:53

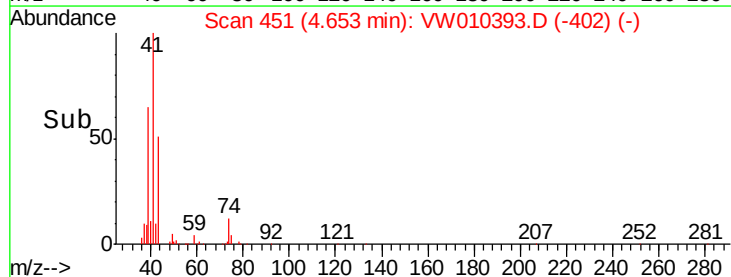
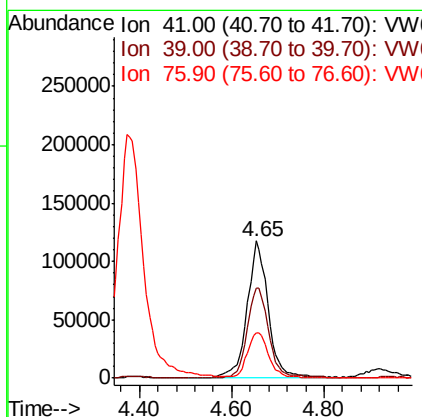
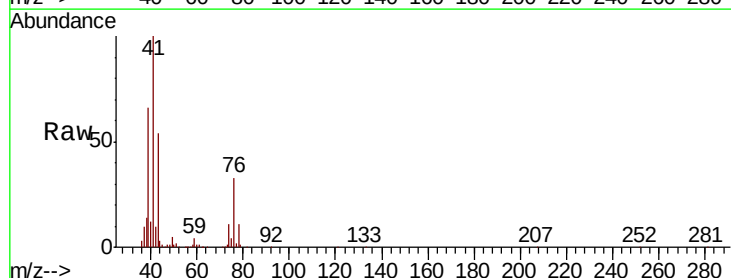
Instrument :
MSVOA_W
ClientSampled :

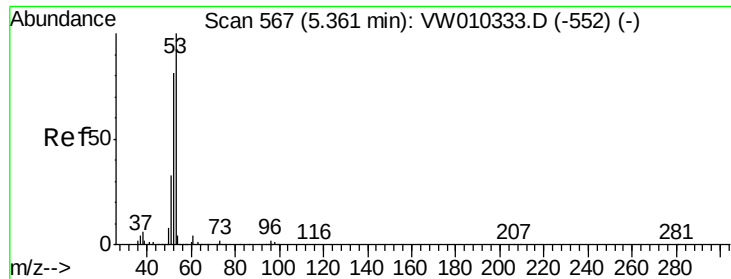
Tot Ion: 56 Resp: 639
Ion Ratio Lower Upper
56 100
55 0.0 54.2 81.2#



#14
Allyl chloride
Concen: 37.377 ug/l
RT: 4.65 min Scan# 451
Delta R.T. -0.00 min
Lab File: VW010393.D
Acq: 11 May 2019 20:53

Tgt Ion: 41 Resp: 372386
Ion Ratio Lower Upper
41 100
39 67.2 60.2 90.4
76 31.1 25.0 37.6





#15

Acrylonitrile

Concen: 113.852 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.00 min

Lab File: VW010393.D

Acq: 11 May 2019 20:53

Instrument :

MSVOA_W

ClientSampleId :

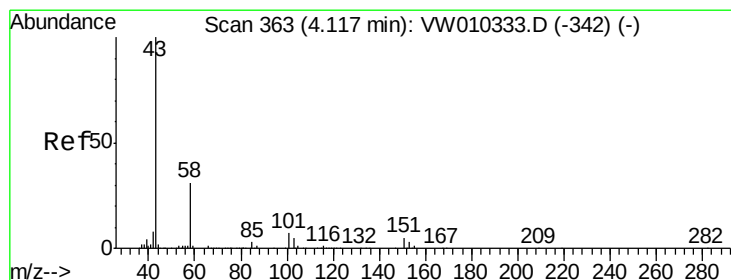
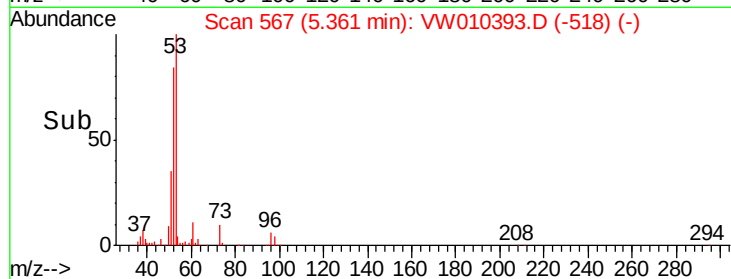
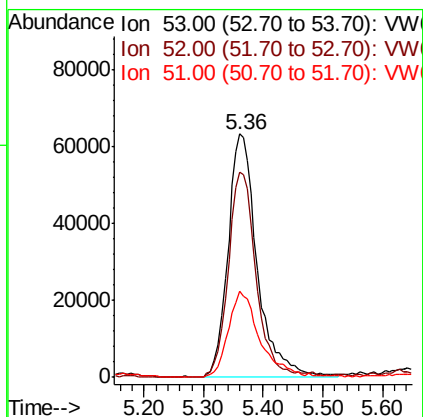
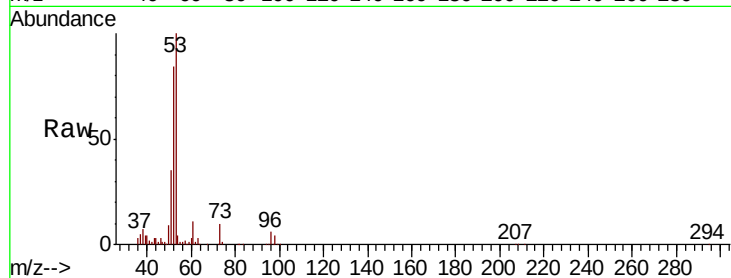
Tot Ion: 53 Resp: 216253

Ion Ratio Lower Upper

53 100

52 80.4 66.6 100.0

51 37.7 30.3 45.5



#16

Acetone

Concen: 506.228 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW010393.D

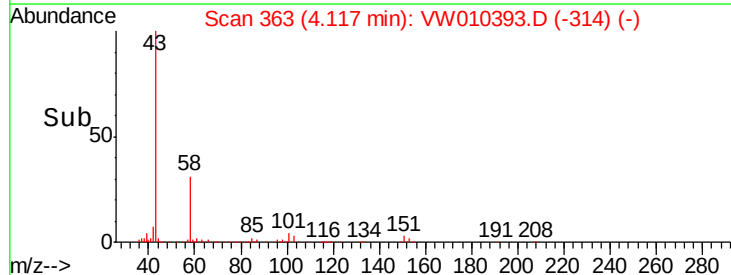
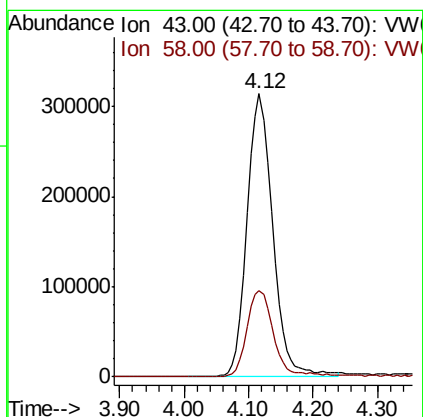
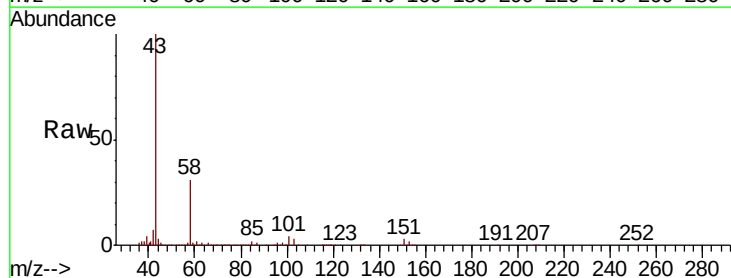
Acq: 11 May 2019 20:53

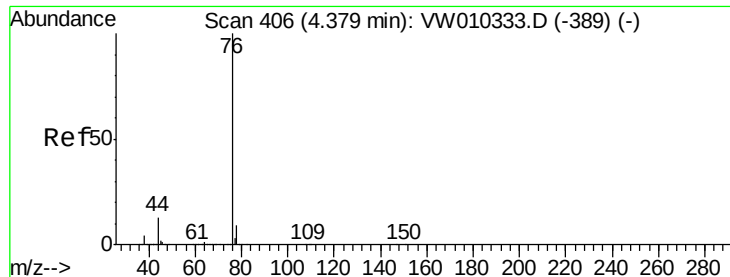
Tgt Ion: 43 Resp: 858777

Ion Ratio Lower Upper

43 100

58 30.5 22.7 34.1





#17

Carbon Disulfide

Concen: 39.358 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW010393.D

Acq: 11 May 2019 20:53

Instrument :

MSVOA_W

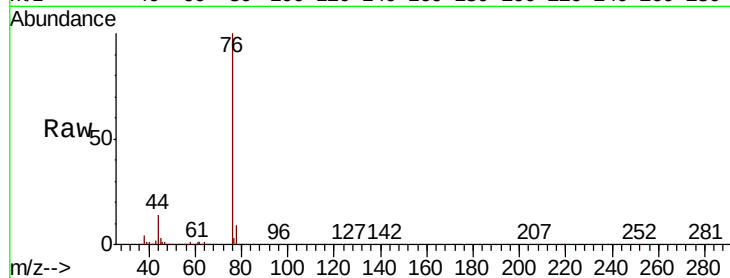
ClientSampleId :

Tot Ion: 76 Resp: 794497

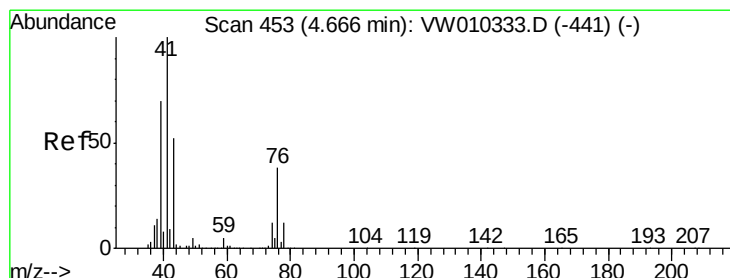
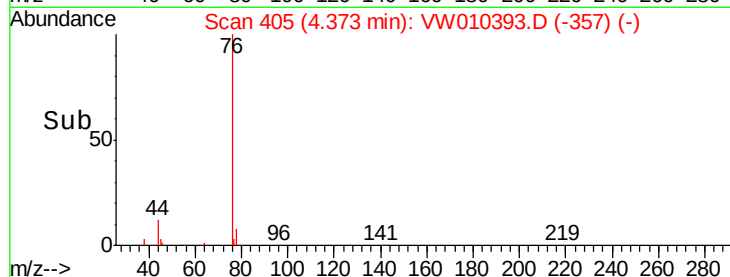
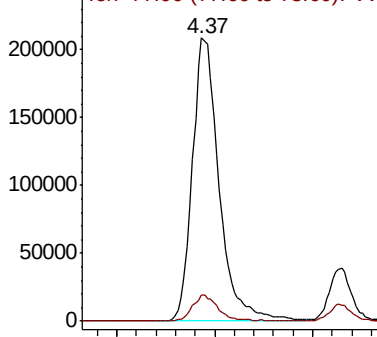
Ion Ratio Lower Upper

76 100

78 9.1 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: 50.456 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW010393.D

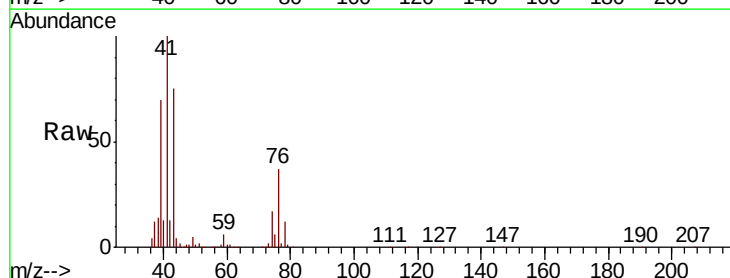
Acq: 11 May 2019 20:53

Tgt Ion: 43 Resp: 212012

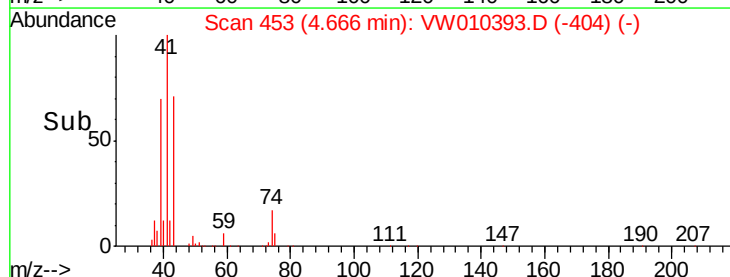
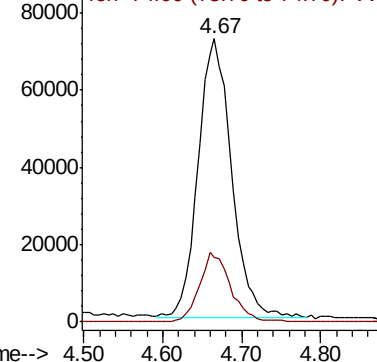
Ion Ratio Lower Upper

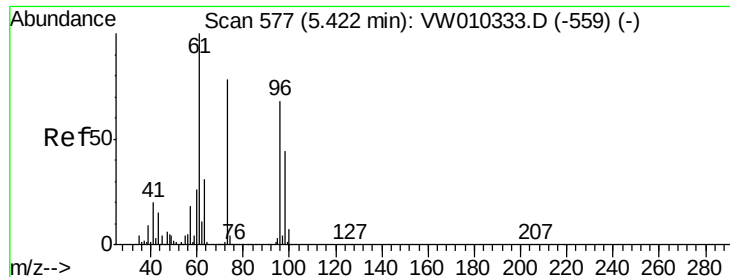
43 100

74 23.3 16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 74.00 (73.70 to 74.70): VW

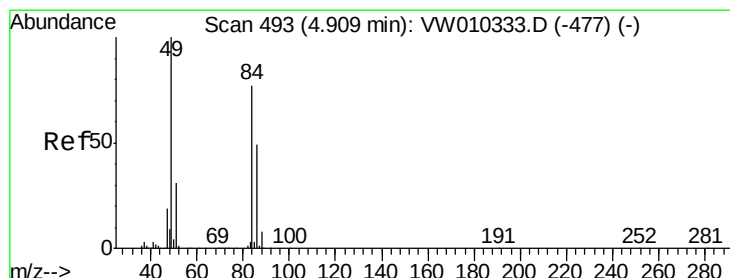
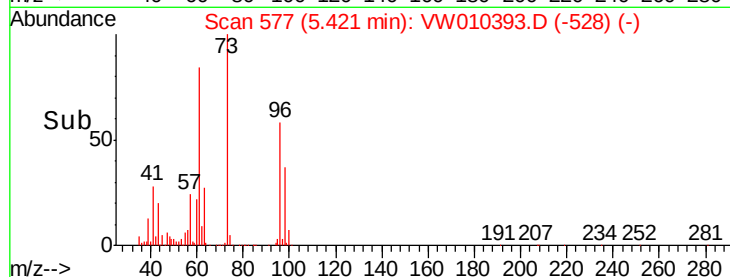
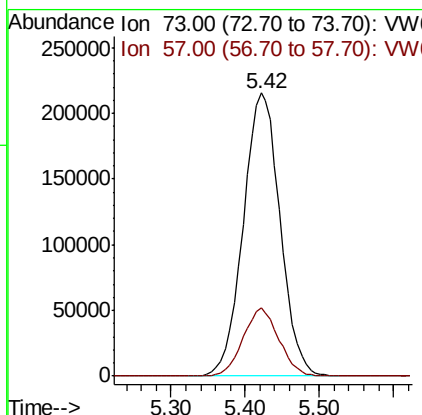
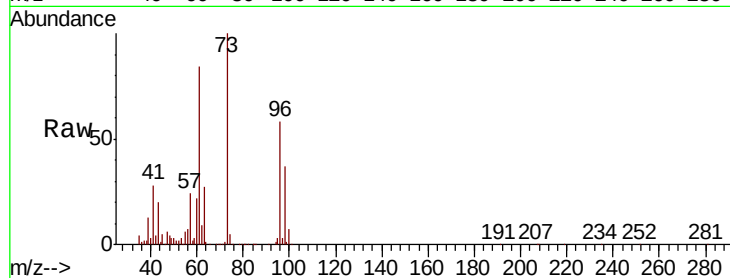




#19
Methyl tert-butyl Ether
Concen: 93.880 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW010393.D
Acq: 11 May 2019 20:53

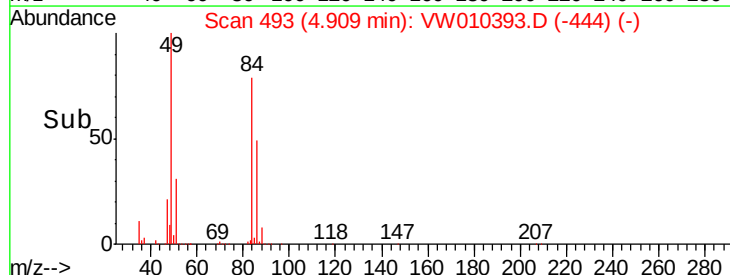
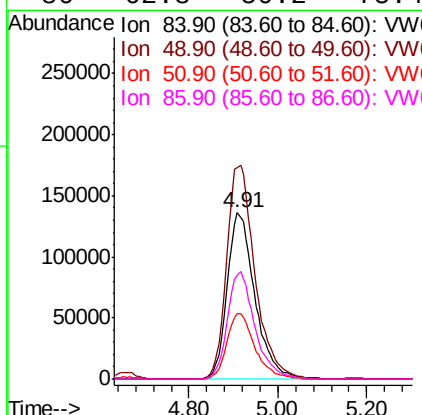
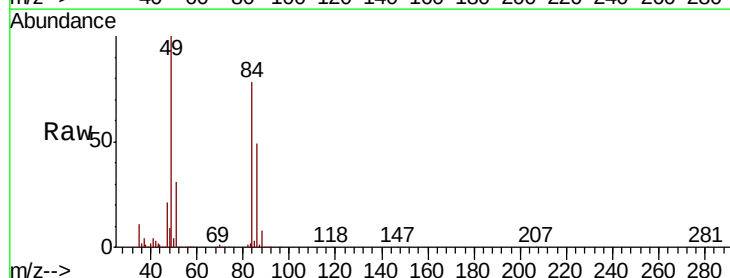
Instrument :
MSVOA_W
ClientSampleId :

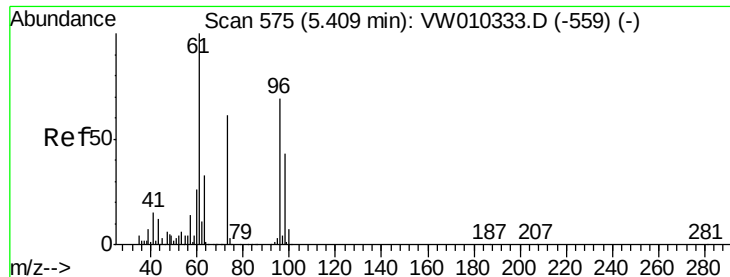
Tot Ion: 73 Resp: 745919
Ion Ratio Lower Upper
73 100
57 24.1 18.5 27.7



#20
Methylene Chloride
Concen: 83.356 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.00 min
Lab File: VW010393.D
Acq: 11 May 2019 20:53

Tgt Ion: 84 Resp: 589799
Ion Ratio Lower Upper
84 100
49 127.5 112.3 168.5
51 39.6 33.9 50.9
86 62.8 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 60.845 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.01 min

Lab File: VW010393.D

Acq: 11 May 2019 20:53

Instrument :
MSVOA_W
ClientSampleId :

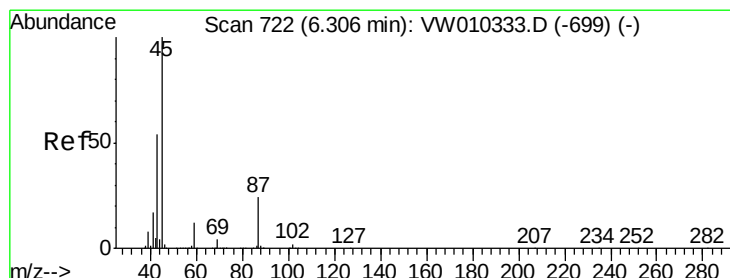
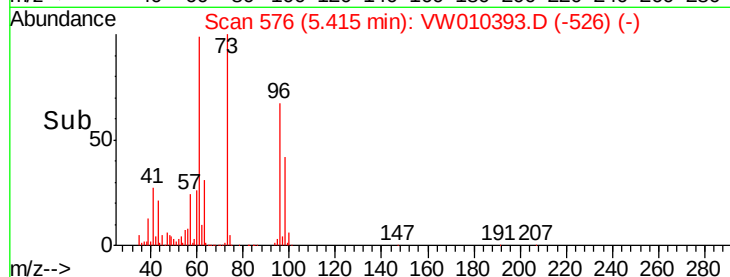
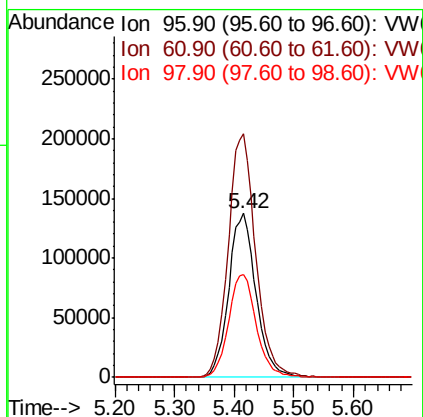
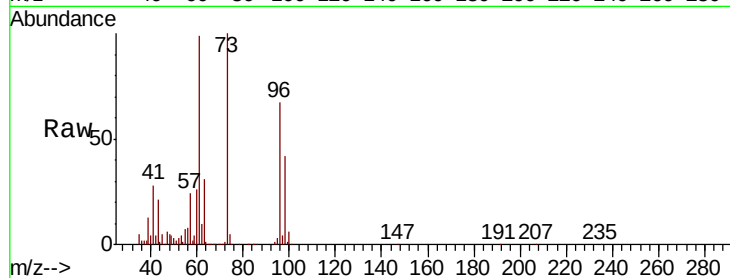
Tot Ion: 96 Resp: 437143

Ion Ratio Lower Upper

96 100

61 148.5 122.3 183.5

98 62.6 50.5 75.7



#22

Diisopropyl ether

Concen: 86.485 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.01 min

Lab File: VW010393.D

Acq: 11 May 2019 20:53

Tgt Ion: 45 Resp: 1672268

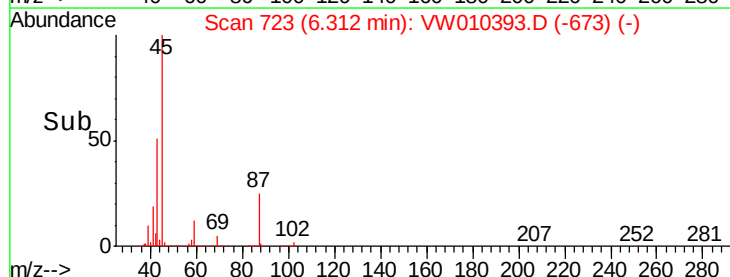
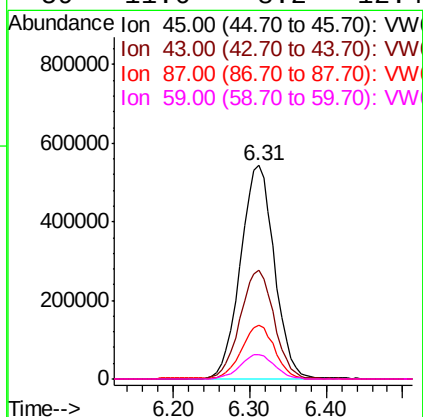
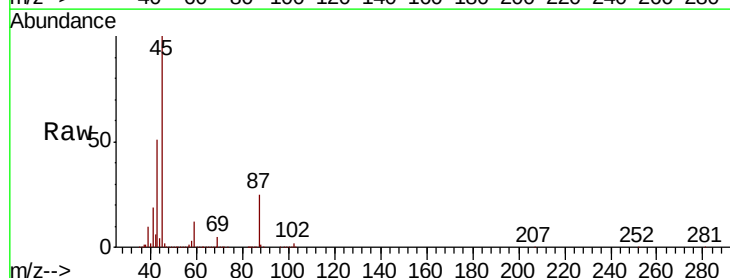
Ion Ratio Lower Upper

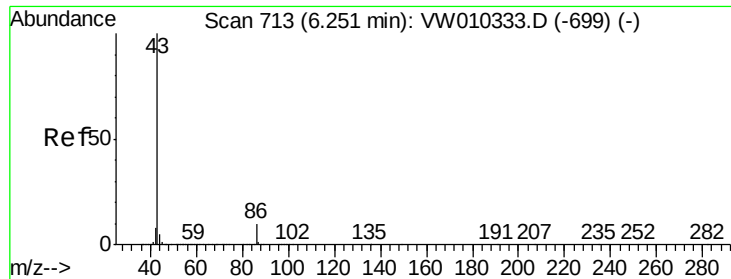
45 100

43 50.9 46.1 69.1

87 25.4 18.3 27.5

59 11.6 8.2 12.4

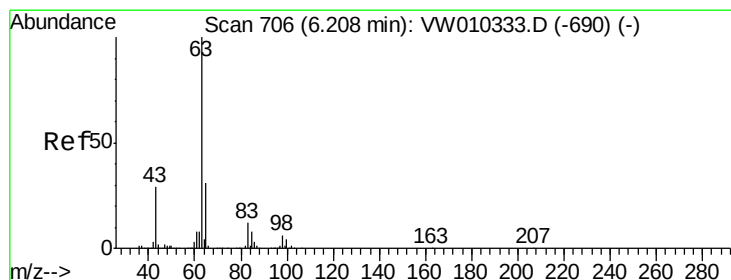
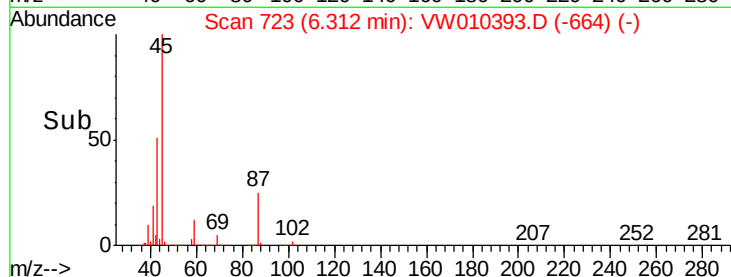
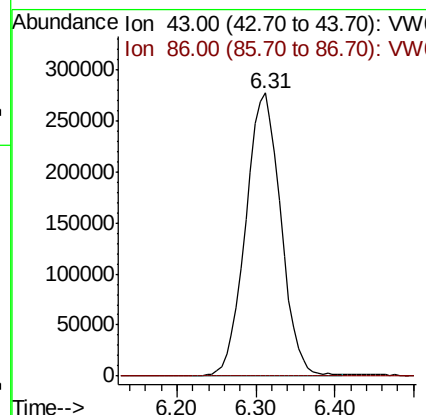
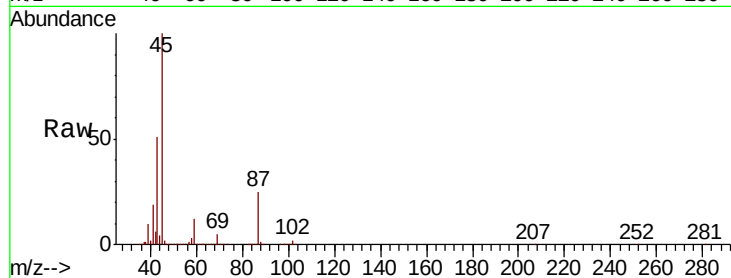




#23
 Vinyl Acetate
 Concen: 64.486 ug/l
 RT: 6.31 min Scan# 723
 Delta R.T. 0.06 min
 Lab File: VW010393.D
 Acq: 11 May 2019 20:53

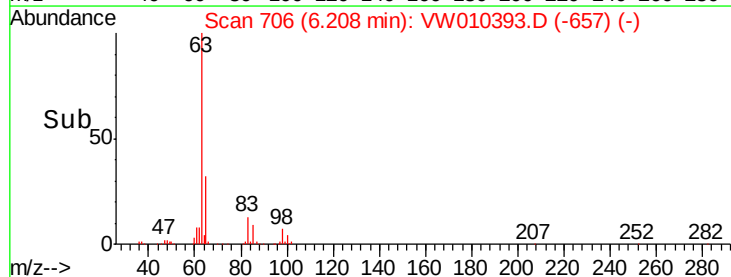
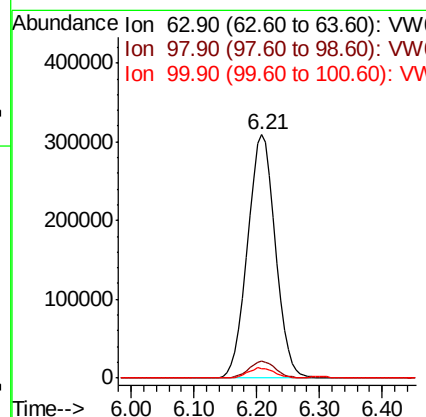
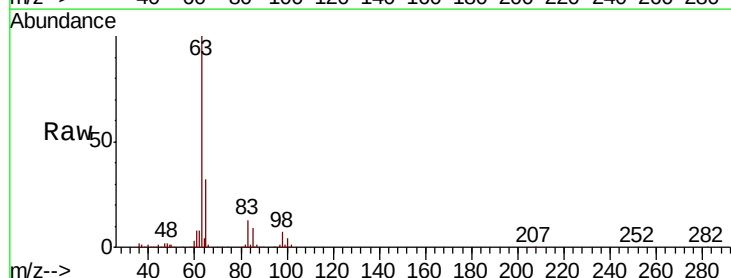
Instrument :
 MSVOA_W
 ClientSampled :

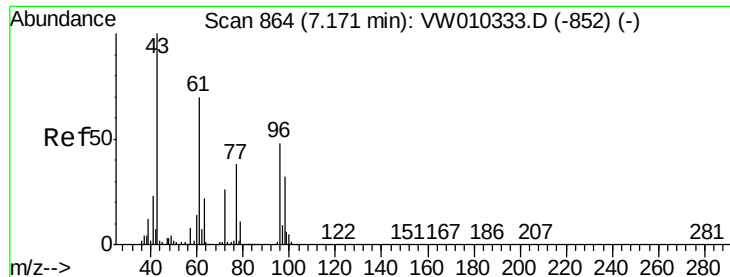
Tot Ion: 43 Resp: 856189
 Ion Ratio Lower Upper
 43 100
 86 0.2 7.0 10.6#



#24
 1,1-Dichloroethane
 Concen: 73.000 ug/l
 RT: 6.21 min Scan# 706
 Delta R.T. -0.00 min
 Lab File: VW010393.D
 Acq: 11 May 2019 20:53

Tgt Ion: 63 Resp: 950338
 Ion Ratio Lower Upper
 63 100
 98 7.0 3.3 9.8
 100 4.1 2.0 6.0





#25

2-Butanone

Concen: 187.326 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010393.D

Acq: 11 May 2019 20:53

Instrument :

MSVOA_W

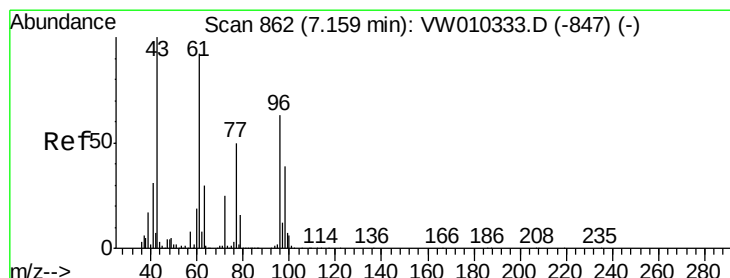
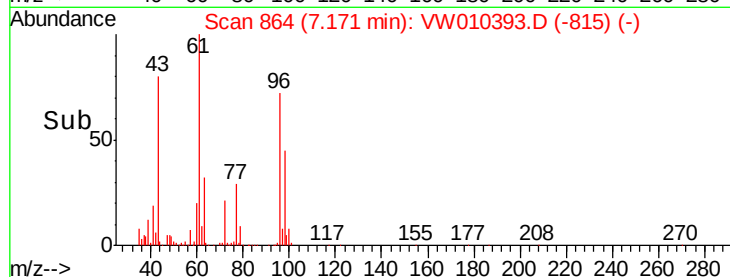
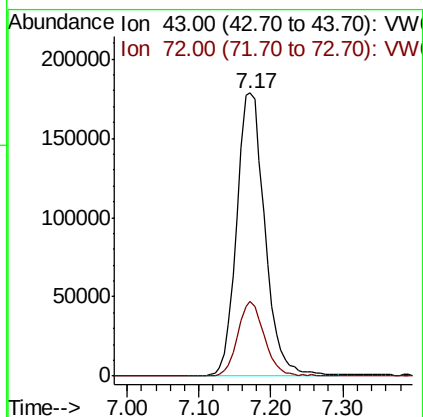
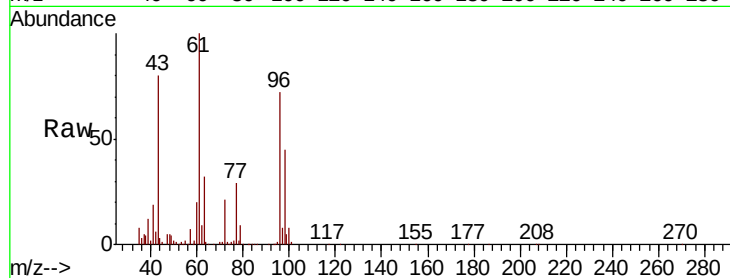
ClientSampled :

Tot Ion: 43 Resp: 486147

Ion Ratio Lower Upper

43 100

72 26.3 19.1 28.7



#26

2,2-Dichloropropane

Concen: 33.022 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.00 min

Lab File: VW010393.D

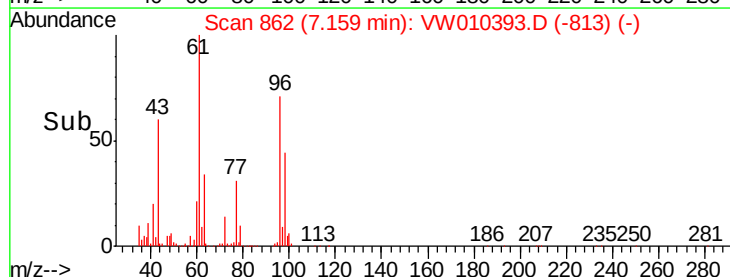
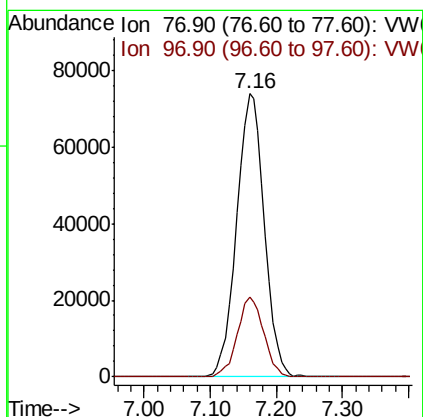
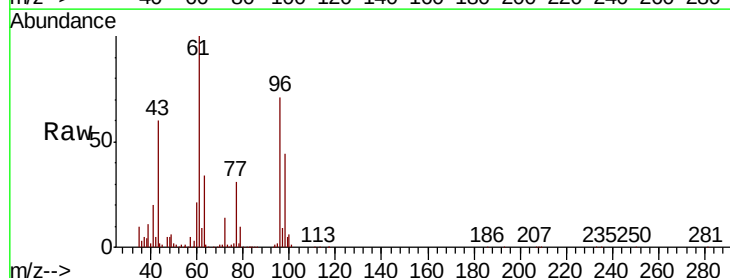
Acq: 11 May 2019 20:53

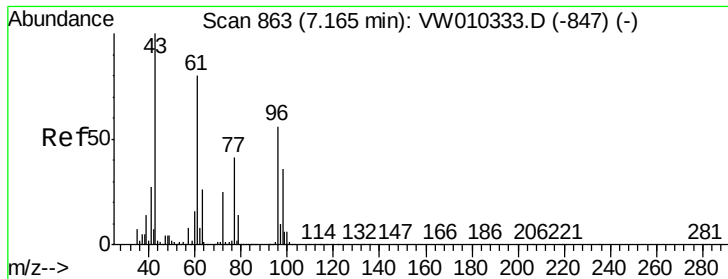
Tgt Ion: 77 Resp: 213887

Ion Ratio Lower Upper

77 100

97 27.0 11.3 33.9



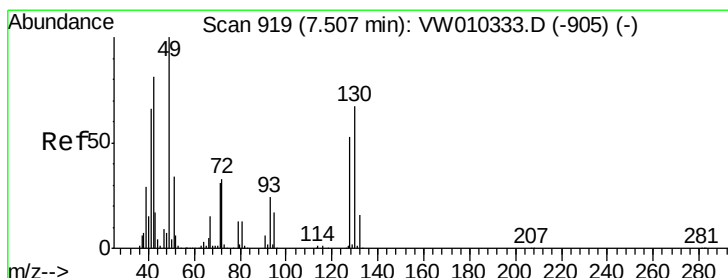
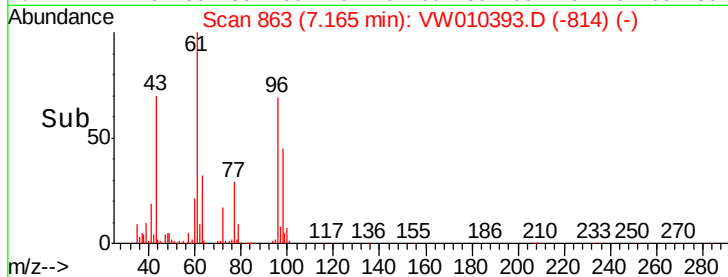
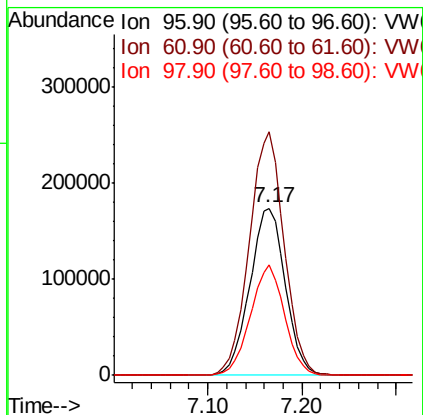
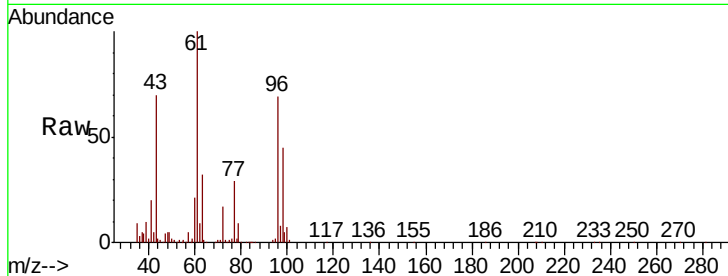


#27

cis-1,2-Dichloroethene
Concen: 61.895 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW010393.D
Acq: 11 May 2019 20:53

Instrument :
MSVOA_W
ClientSampleId :

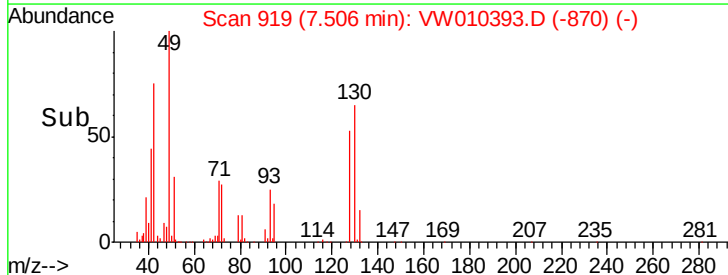
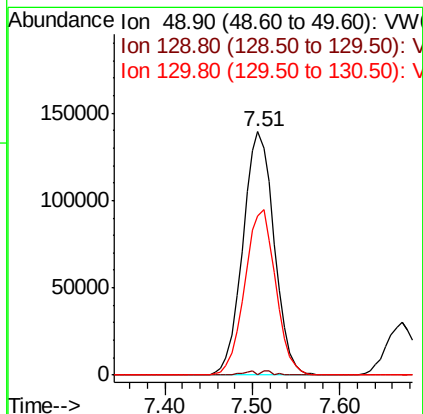
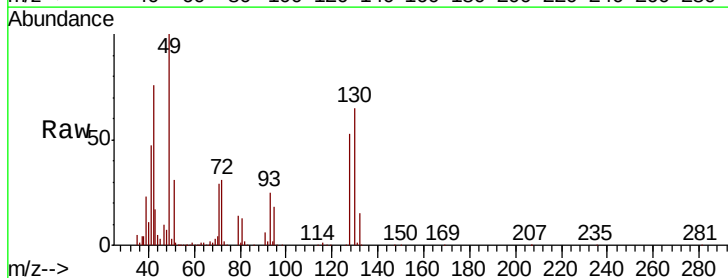
Tot Ion	96	Resp	457308
Ion Ratio	Lower	Upper	
96	100		
61	143.5	0.0	309.4
98	63.5	0.0	128.6

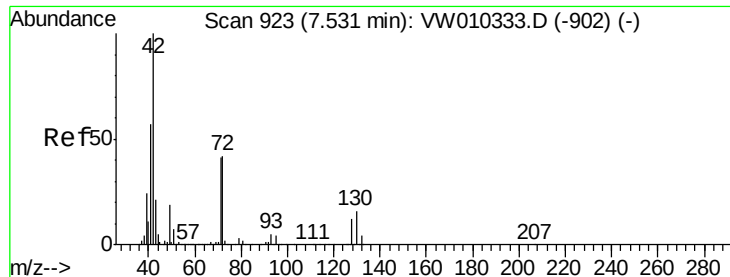


#28

Bromochloromethane
Concen: 71.897 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW010393.D
Acq: 11 May 2019 20:53

Tgt Ion	49	Resp	345072
Ion Ratio	Lower	Upper	
49	100		
129	0.7	0.0	3.8
130	67.4	54.6	82.0





#29

Tetrahydrofuran

Concen: 409.963 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.00 min

Lab File: VW010393.D

Acq: 11 May 2019 20:53

Instrument :

MSVOA_W

ClientSampleId :

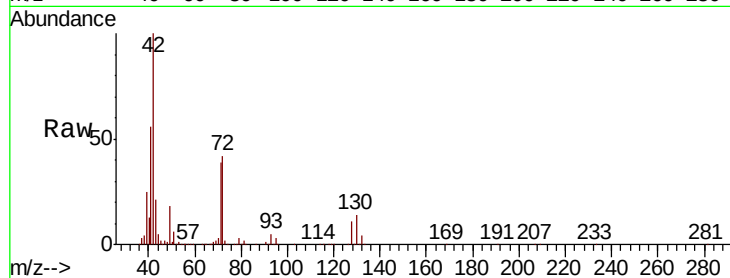
Tot Ion: 42 Resp: 688157

Ion Ratio Lower Upper

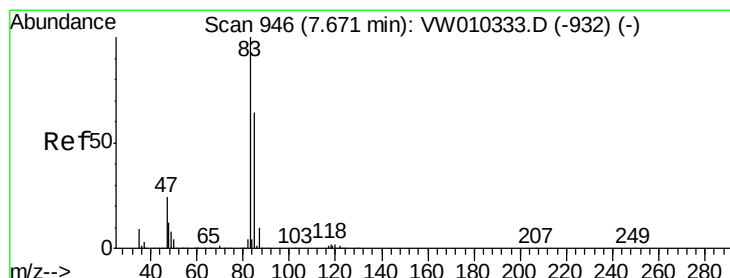
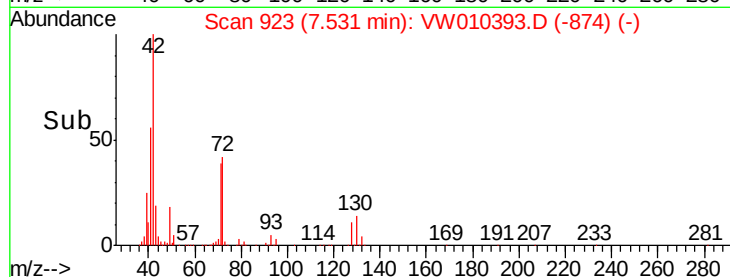
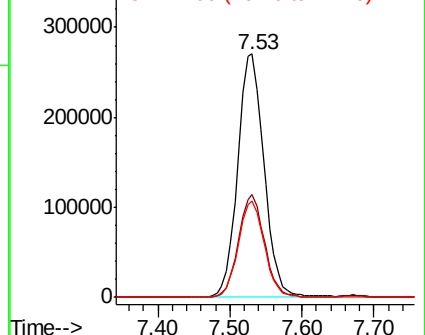
42 100

72 41.7 31.0 46.6

71 39.1 29.7 44.5



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



#30

Chloroform

Concen: 69.458 ug/l

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW010393.D

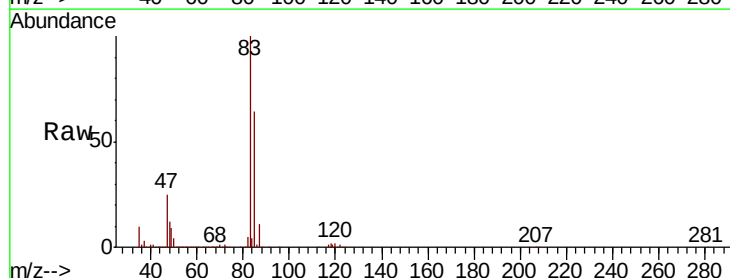
Acq: 11 May 2019 20:53

Tgt Ion: 83 Resp: 846225

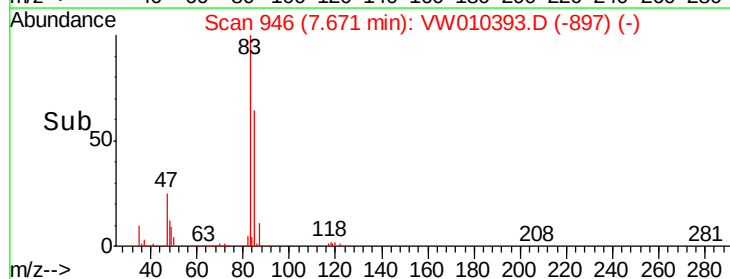
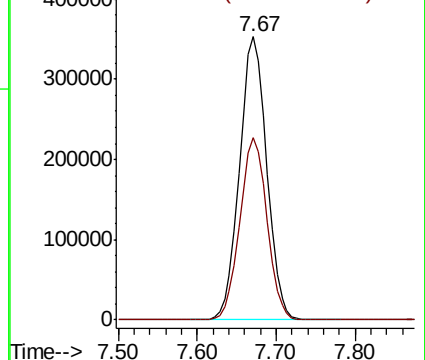
Ion Ratio Lower Upper

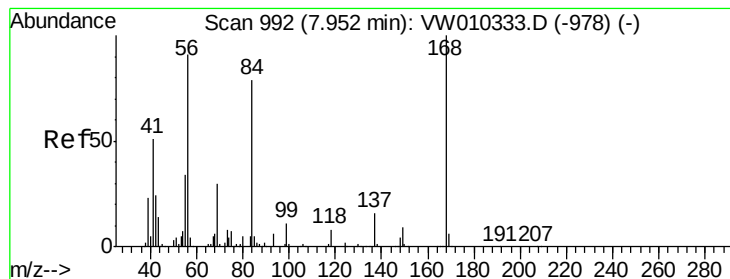
83 100

85 64.4 50.7 76.1



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





#31

Cyclohexane

Concen: 33.046 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010393.D

Acq: 11 May 2019 20:53

Instrument :

MSVOA_W

ClientSampleId :

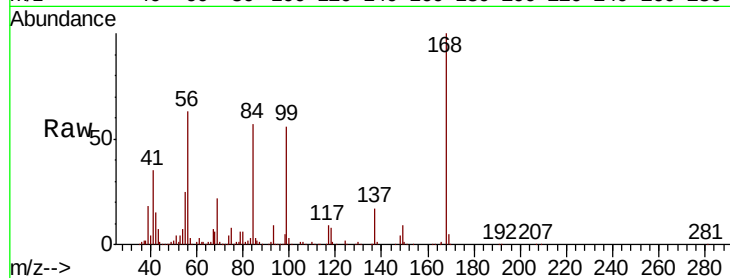
Tot Ion: 56 Resp: 440481

Ion Ratio Lower Upper

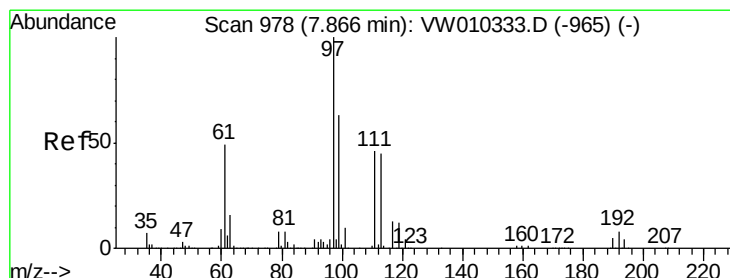
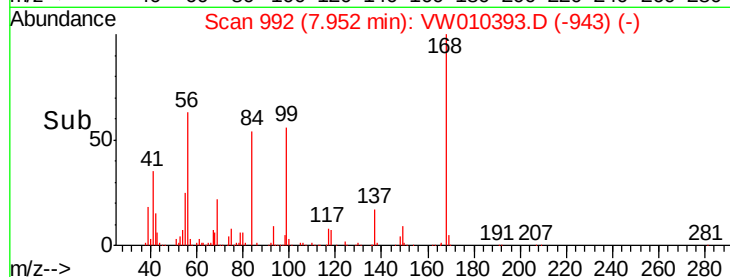
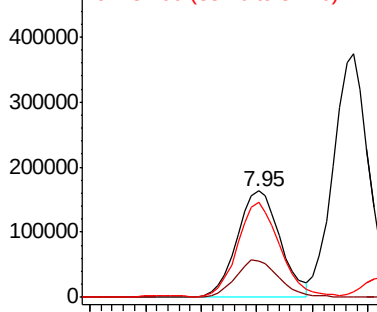
56 100

69 34.0 26.6 40.0

84 87.7 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: 56.669 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.00 min

Lab File: VW010393.D

Acq: 11 May 2019 20:53

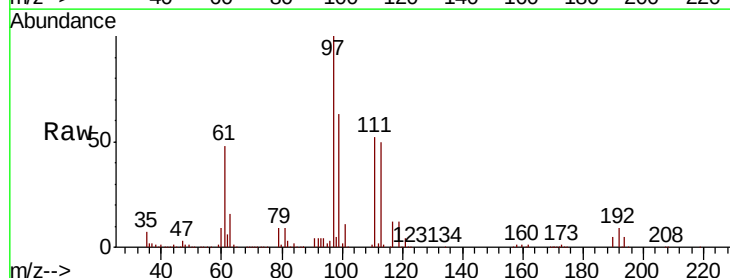
Tgt Ion: 97 Resp: 534785

Ion Ratio Lower Upper

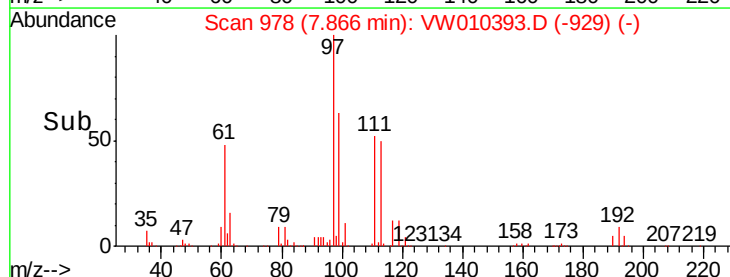
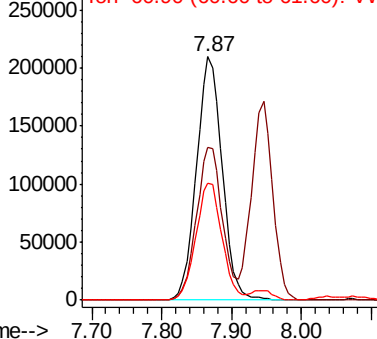
97 100

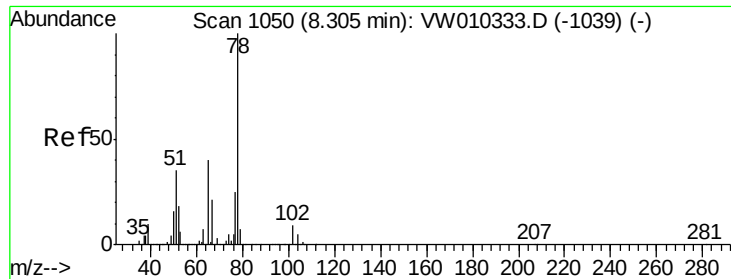
99 63.5 50.2 75.2

61 48.7 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

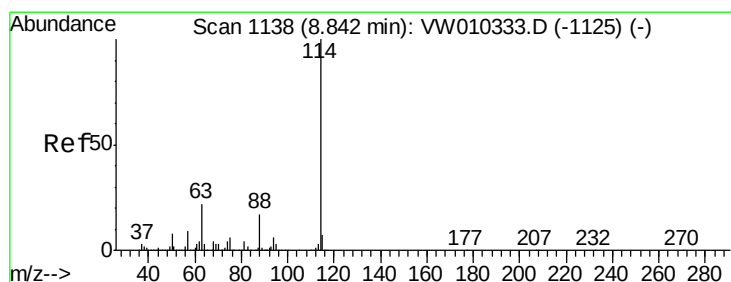
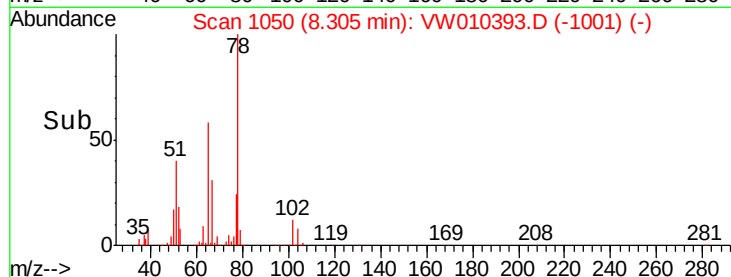
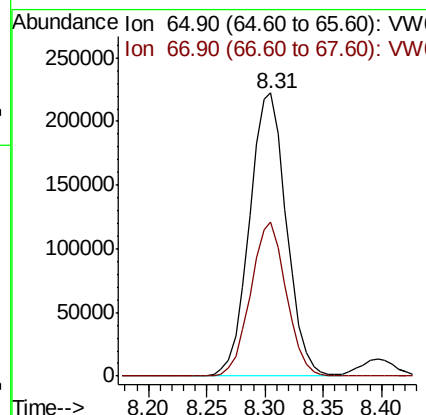
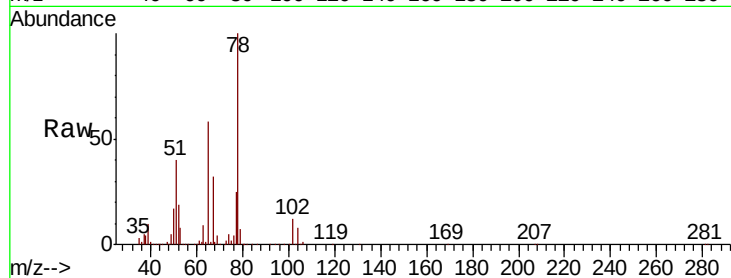




#33
 1,2-Dichloroethane-d4
 Concen: 75.518 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010393.D
 Acq: 11 May 2019 20:53

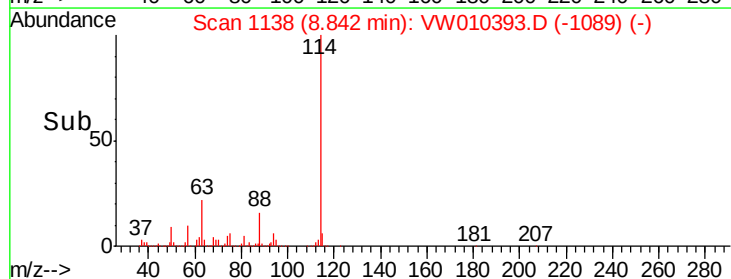
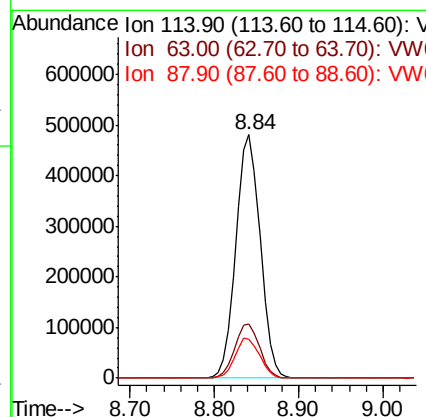
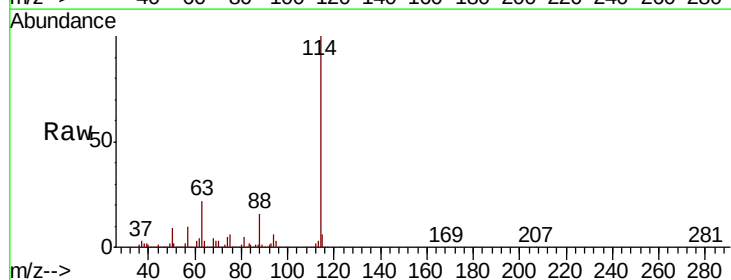
Instrument :
 MSVOA_W
 ClientSampled :

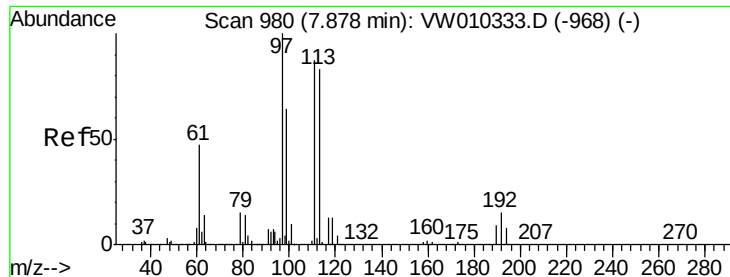
Tot Ion: 65 Resp: 491422
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 100.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010393.D
 Acq: 11 May 2019 20:53

Tgt Ion: 114 Resp: 938473
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 46.2
 88 15.8 0.0 32.6





#35

Dibromofluoromethane

Concen: 67.863 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW010393.D

Acq: 11 May 2019 20:53

Instrument :
MSVOA_W
ClientSampleId :

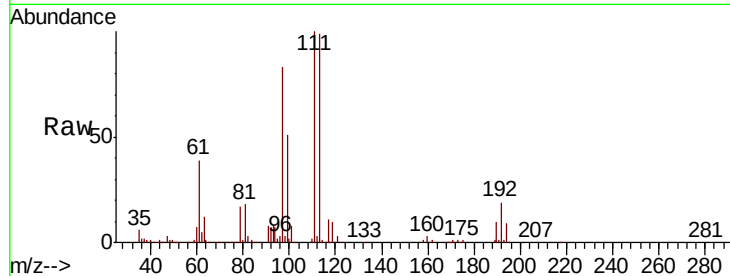
Tot Ion:113 Resp: 372694

Ion Ratio Lower Upper

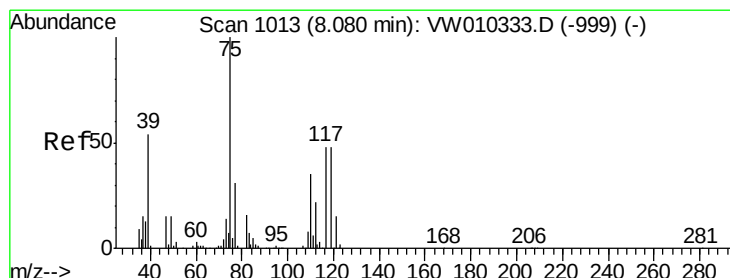
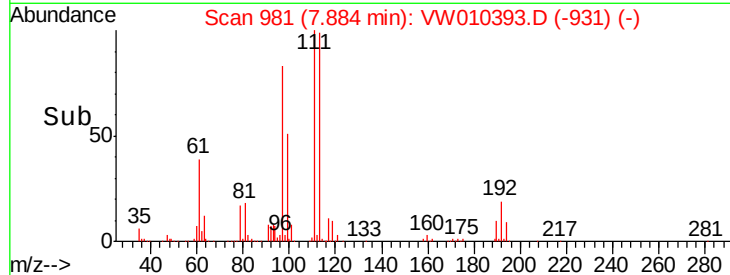
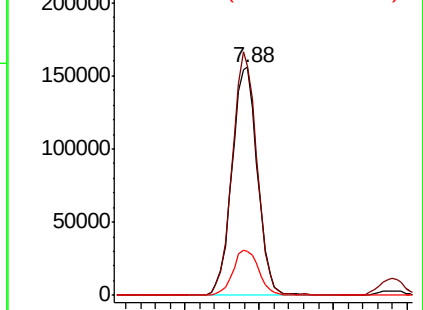
113 100

111 103.5 82.6 123.8

192 20.1 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: 45.360 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW010393.D

Acq: 11 May 2019 20:53

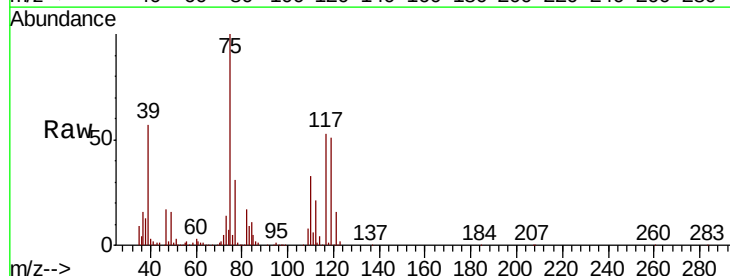
Tgt Ion: 75 Resp: 461562

Ion Ratio Lower Upper

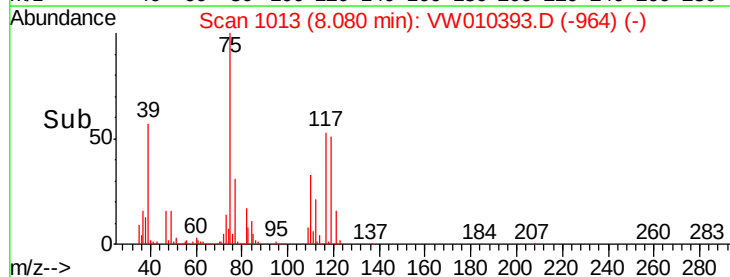
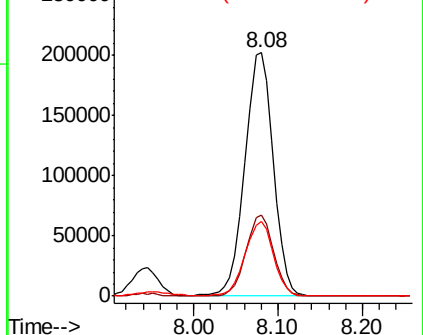
75 100

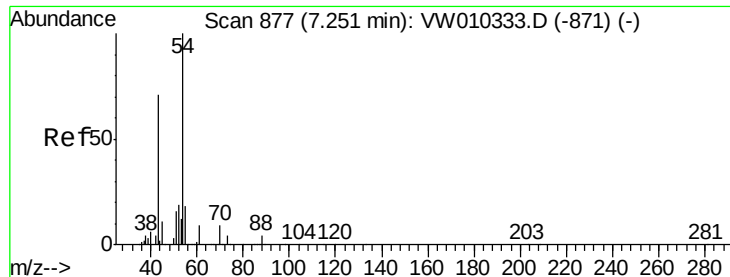
110 32.1 16.6 49.8

77 30.5 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

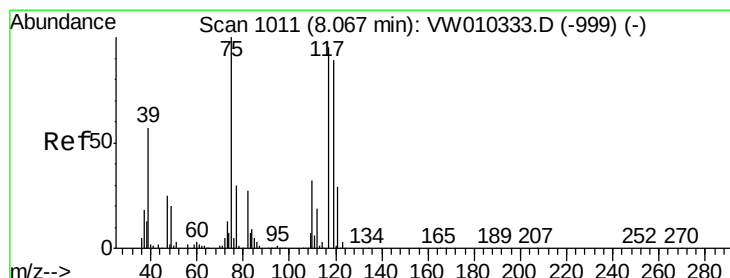
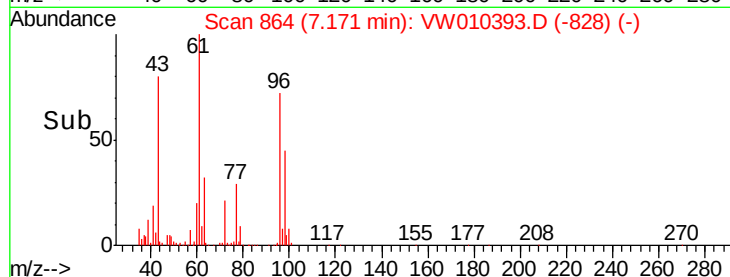
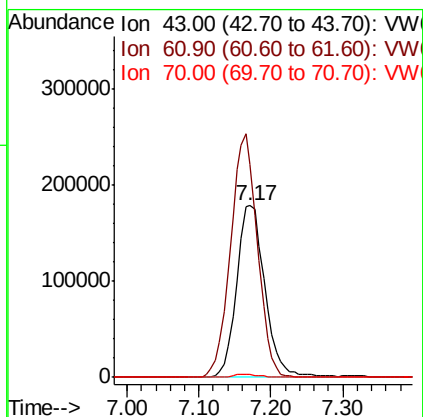
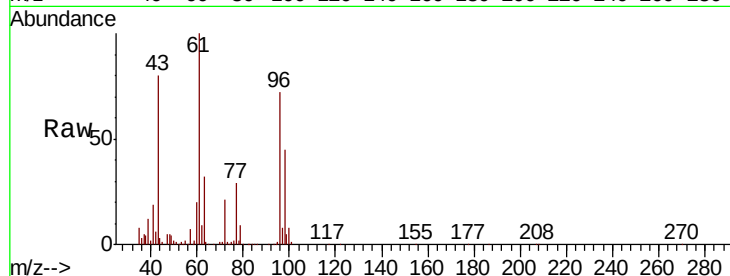




#37
Ethyl Acetate
Concen: 89.730 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.08 min
Lab File: VW010393.D
Acq: 11 May 2019 20:53

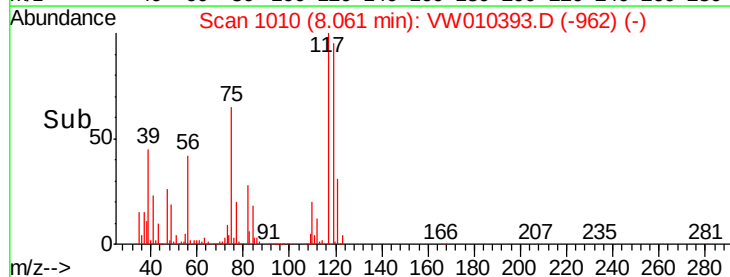
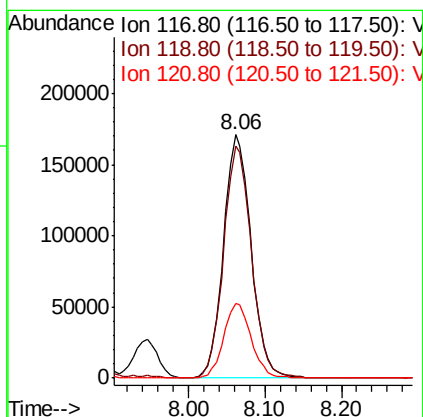
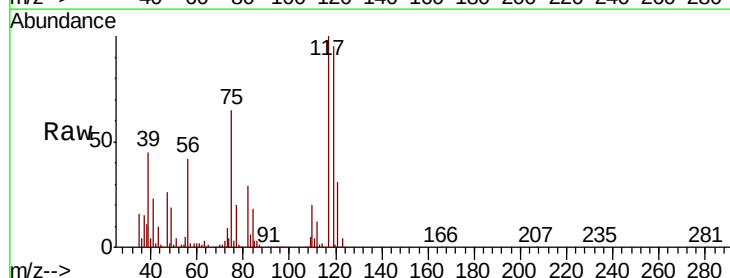
Instrument :
MSVOA_W
ClientSampleId :

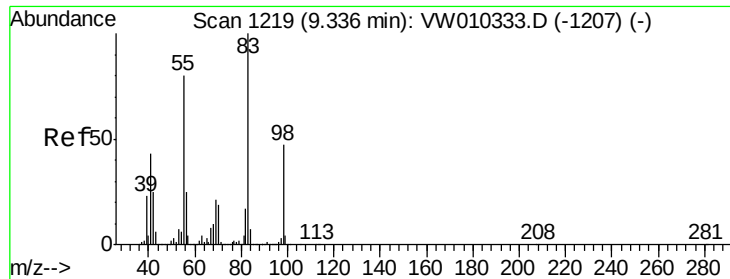
Tot Ion: 43 Resp: 486147
Ion Ratio Lower Upper
43 100
61 135.0 9.8 14.8#
70 1.8 7.4 11.0#



#38
Carbon Tetrachloride
Concen: 48.971 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW010393.D
Acq: 11 May 2019 20:53

Tgt Ion: 117 Resp: 427155
Ion Ratio Lower Upper
117 100
119 95.2 75.3 112.9
121 30.6 24.4 36.6

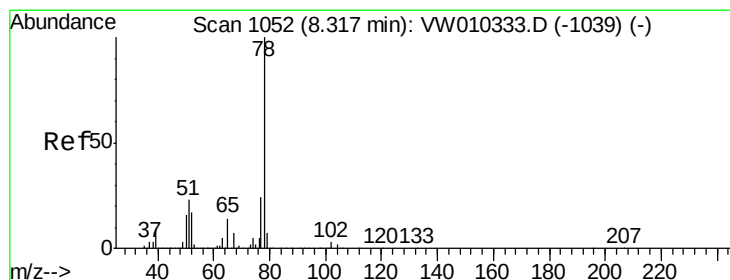
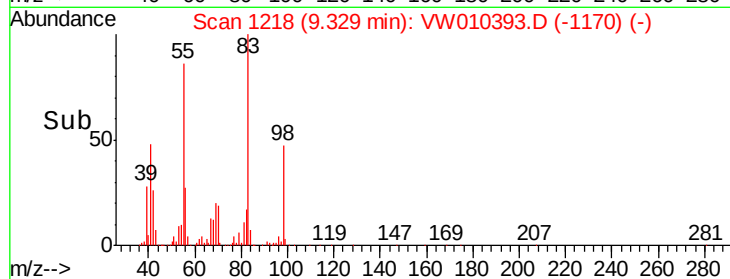
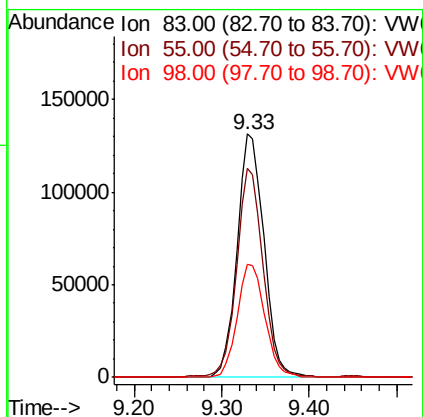
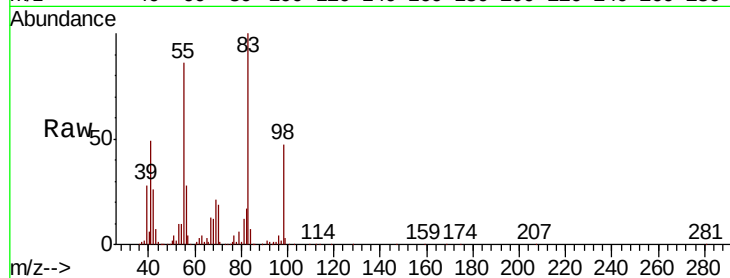




#39
Methylvlcyclohexane
Concen: 22.553 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW010393.D
Acq: 11 May 2019 20:53

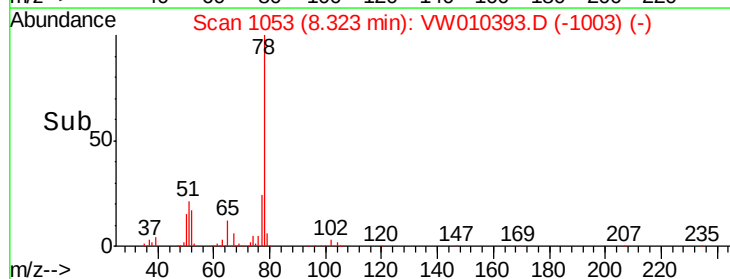
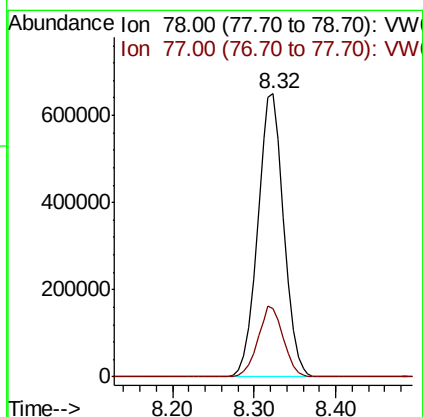
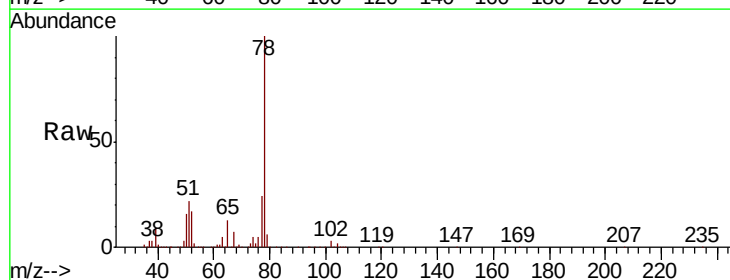
Instrument :
MSVOA_W
ClientSampleId :

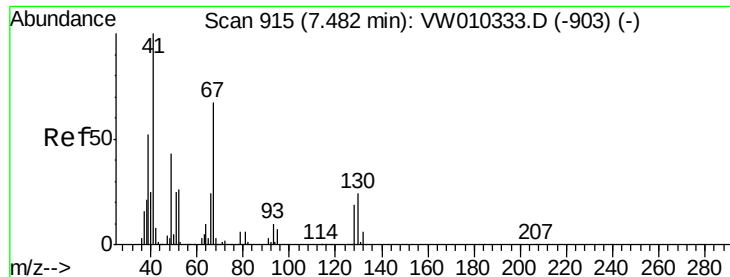
Tot Ion: 83 Resp: 280738
Ion Ratio Lower Upper
83 100
55 85.3 67.1 100.7
98 46.6 39.2 58.8



#40
Benzene
Concen: 51.710 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VW010393.D
Acq: 11 May 2019 20:53

Tgt Ion: 78 Resp: 1441009
Ion Ratio Lower Upper
78 100
77 24.1 19.1 28.7

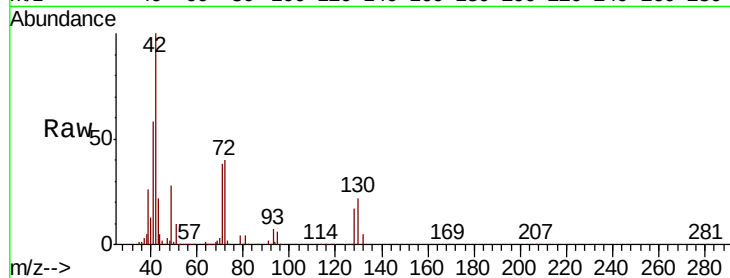




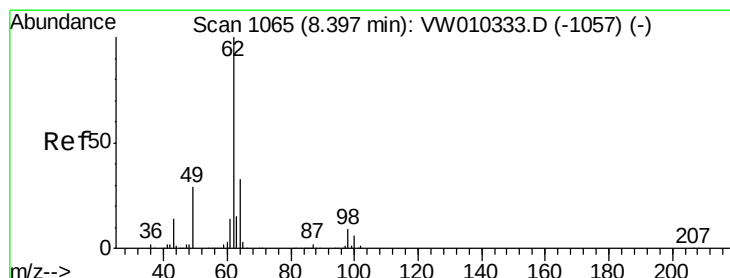
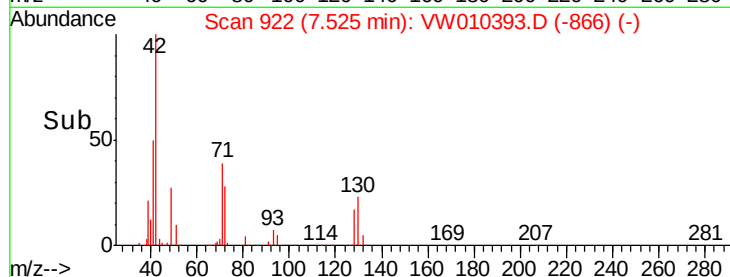
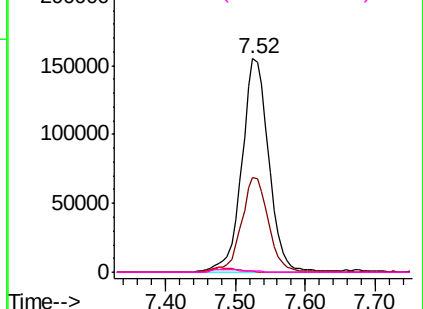
#41
Methacrylonitrile
Concen: 135.770 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.04 min
Lab File: VW010393.D
Acq: 11 May 2019 20:53

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:	41	Resp:	412524
Ion	Ratio	Lower	Upper
41	100		
39	44.8	45.0	67.4#
67	0.0	50.7	76.1#
52	0.0	22.6	33.8#

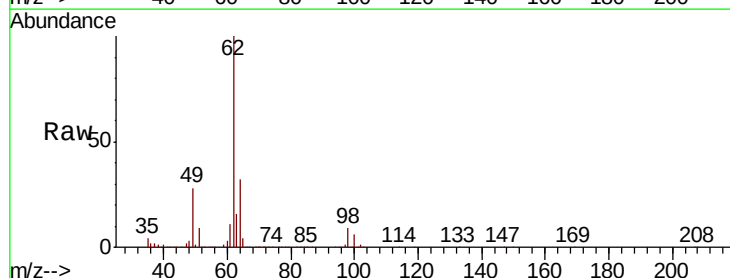


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

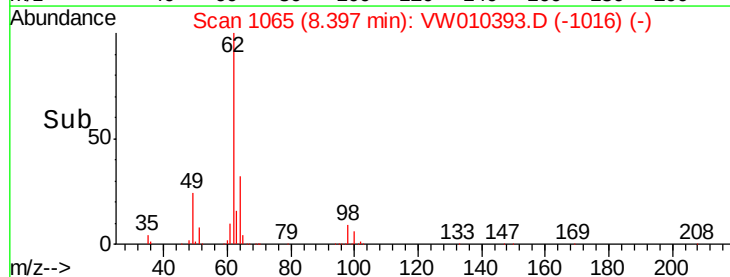
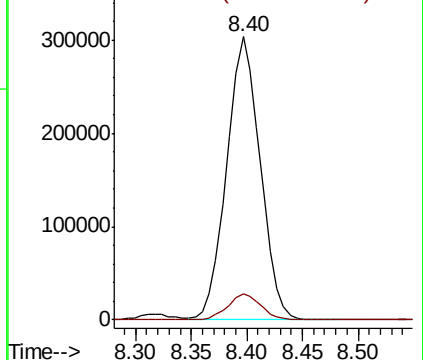


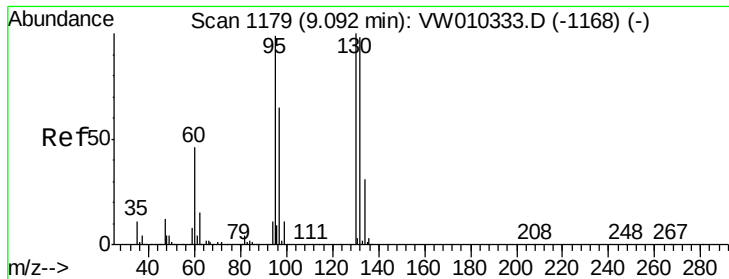
#42
1,2-Dichloroethane
Concen: 79.078 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW010393.D
Acq: 11 May 2019 20:53

Tgt Ion:	62	Resp:	630785
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	16.6



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#44

Trichloroethene

Concen: 45.219 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW010393.D

Acq: 11 May 2019 20:53

Instrument :

MSVOA_W

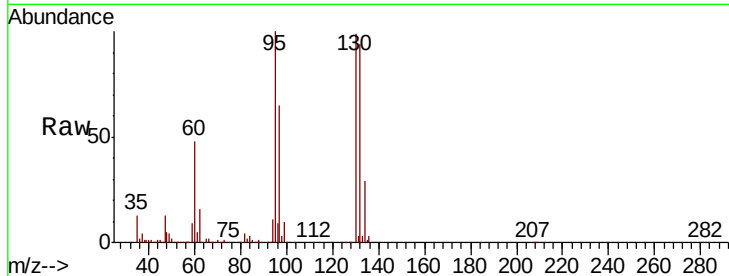
ClientSampleId :

Tot Ion:130 Resp: 315473

Ion Ratio Lower Upper

130 100

95 100.6 0.0 205.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

9.09

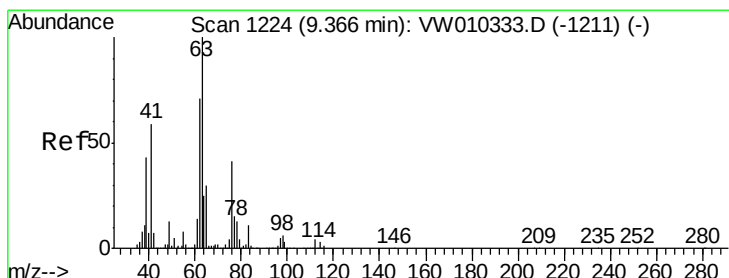
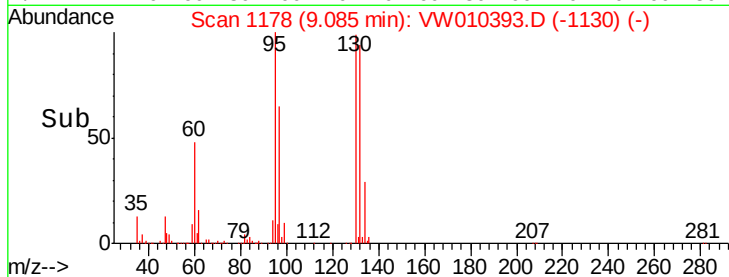
150000

100000

50000

0

Time-->



#45

1,2-Dichloropropane

Concen: 68.361 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW010393.D

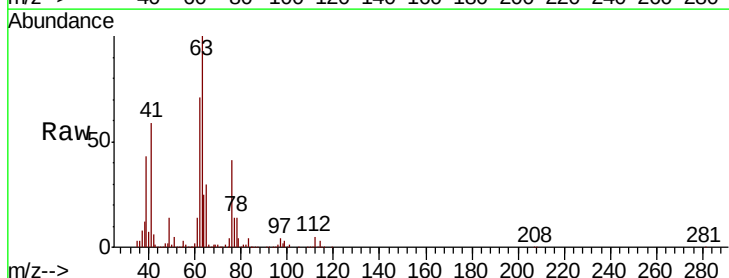
Acq: 11 May 2019 20:53

Tgt Ion: 63 Resp: 473537

Ion Ratio Lower Upper

63 100

65 29.7 23.8 35.6



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW

9.37

250000

200000

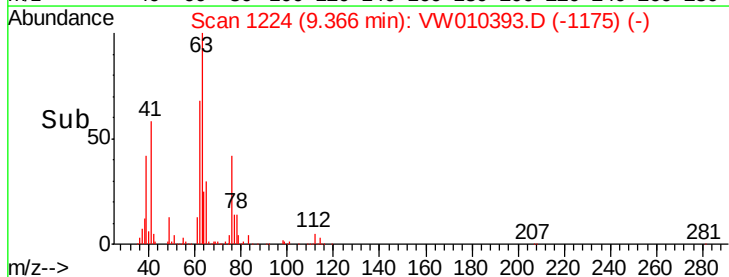
150000

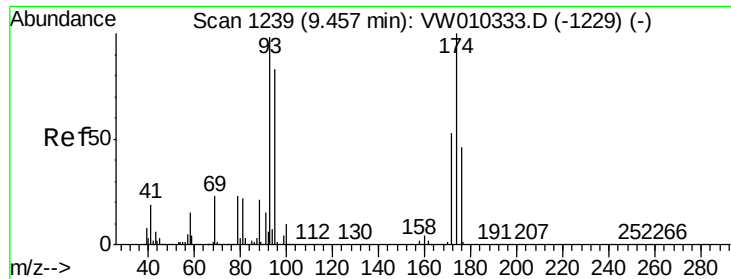
100000

50000

0

Time-->





#46

Dibromomethane

Concen: 74.631 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW010393.D

Acq: 11 May 2019 20:53

Instrument :

MSVOA_W

ClientSampleId :

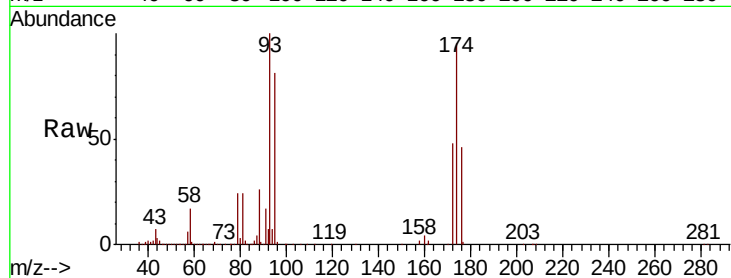
Tot Ion: 93 Resp: 267071

Ion Ratio Lower Upper

93 100

95 82.8 65.8 98.8

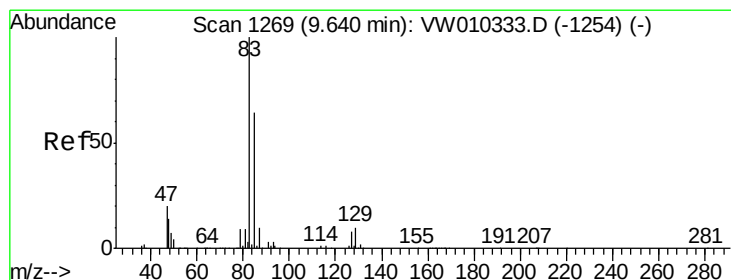
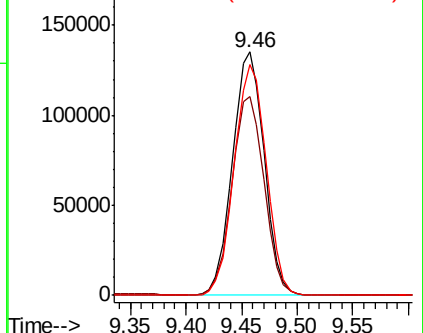
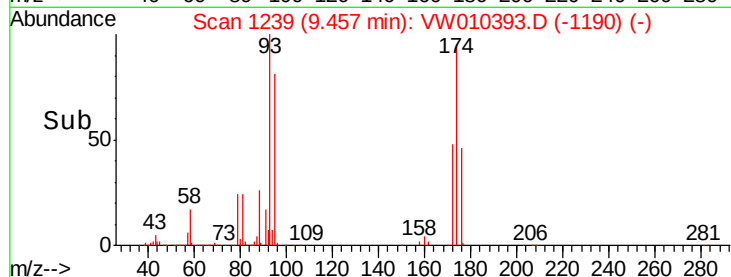
174 95.9 75.5 113.3



Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V



#47

Bromodichloromethane

Concen: 56.830 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW010393.D

Acq: 11 May 2019 20:53

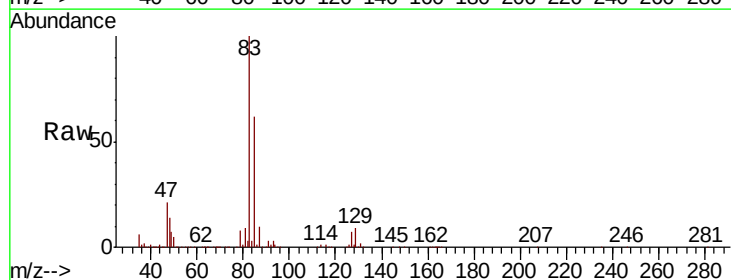
Tgt Ion: 83 Resp: 487834

Ion Ratio Lower Upper

83 100

85 62.2 50.6 75.8

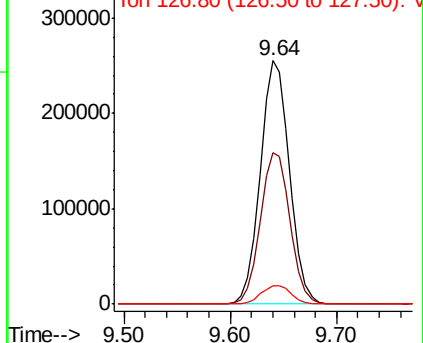
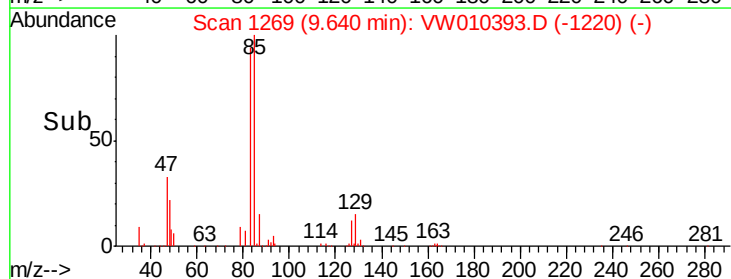
127 7.5 6.6 10.0

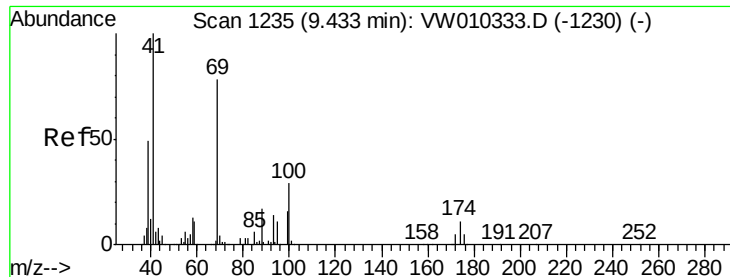


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): V

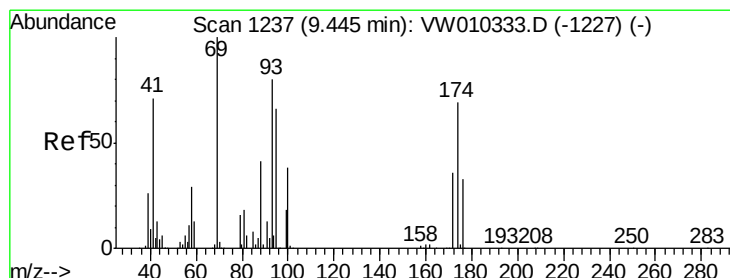
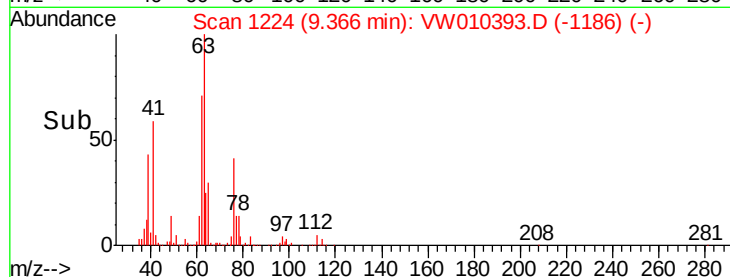
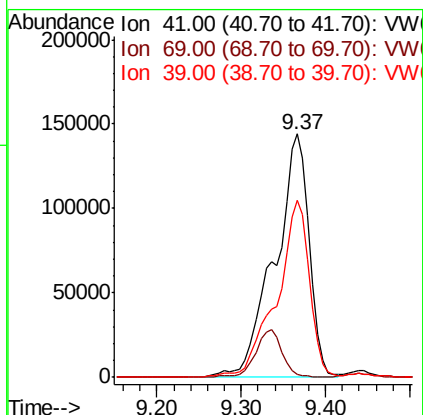
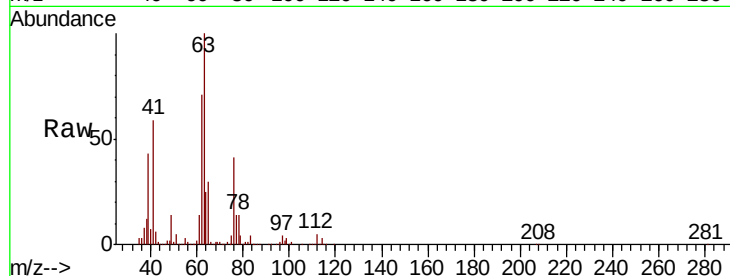




#48
Methyl methacrylate
Concen: 95.528 ug/l
RT: 9.37 min Scan# 1224
Delta R.T. -0.07 min
Lab File: VW010393.D
Acq: 11 May 2019 20:53

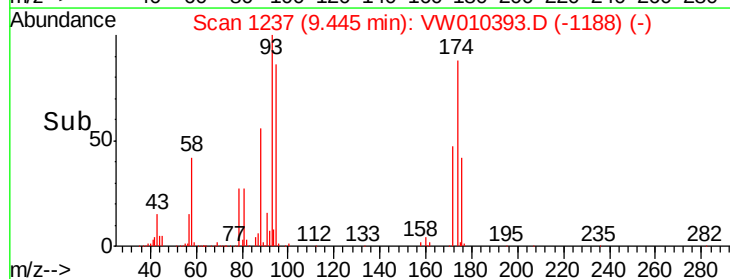
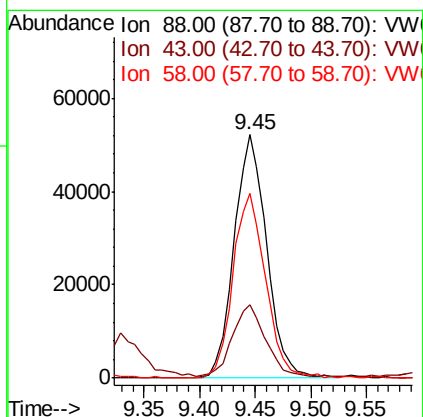
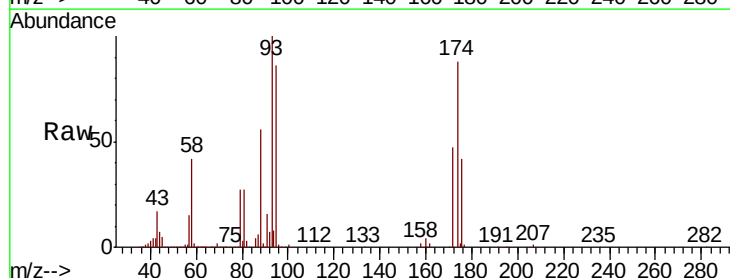
Instrument :
MSVOA_W
ClientSampleId :

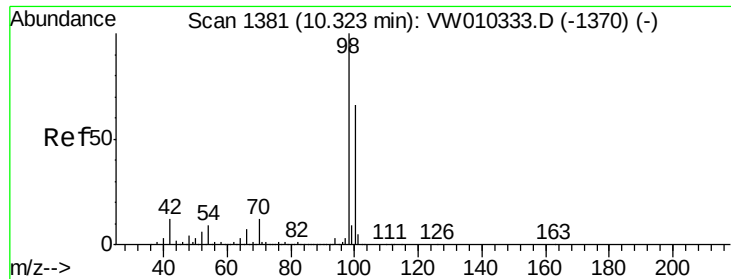
Tot Ion	Ratio	Lower	Upper
41	100		
69	0.0	60.1	90.1#
39	69.1	51.0	76.6



#49
1,4-Dioxane
Concen: 1698.561 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW010393.D
Acq: 11 May 2019 20:53

Tgt Ion	Ratio	Lower	Upper
88	100		
43	29.8	31.9	47.9#
58	75.6	61.8	92.6





#50

Toluene-d8

Concen: 35.494 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010393.D

Acq: 11 May 2019 20:53

Instrument :

MSVOA_W

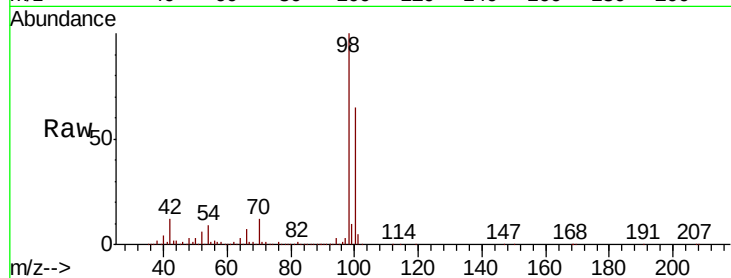
ClientSampled :

Tot Ion: 98 Resp: 793750

Ion Ratio Lower Upper

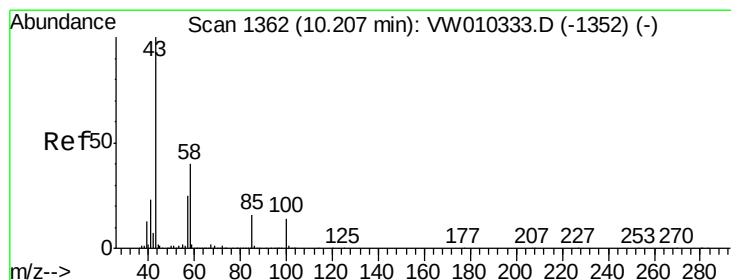
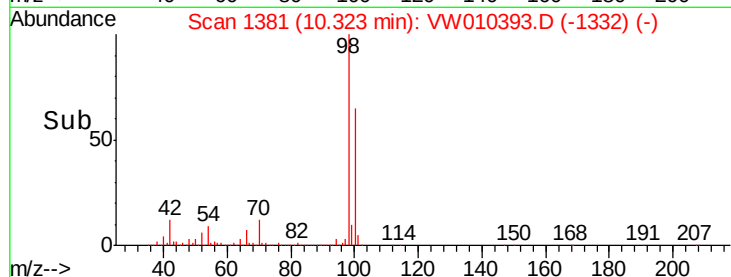
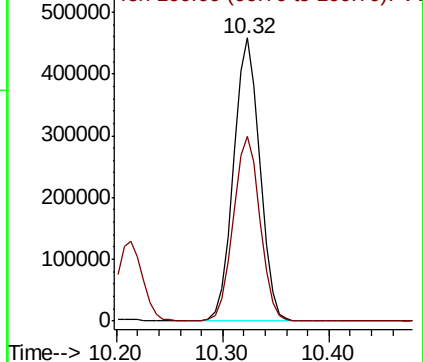
98 100

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: 294.795 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW010393.D

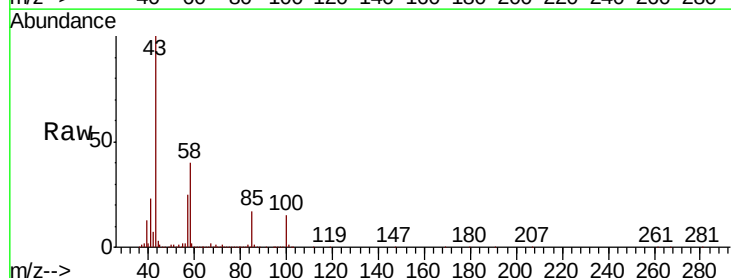
Acq: 11 May 2019 20:53

Tgt Ion: 43 Resp: 1518865

Ion Ratio Lower Upper

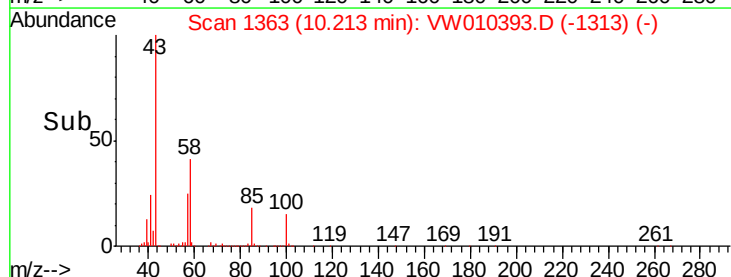
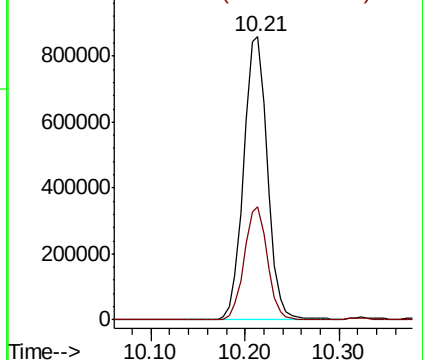
43 100

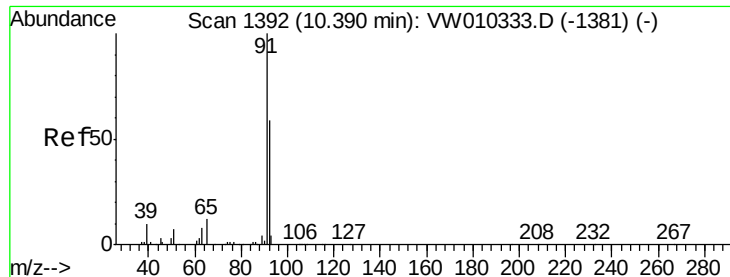
58 38.8 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#52

Toluene

Concen: 35.617 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010393.D

Acq: 11 May 2019 20:53

Instrument :

MSVOA_W

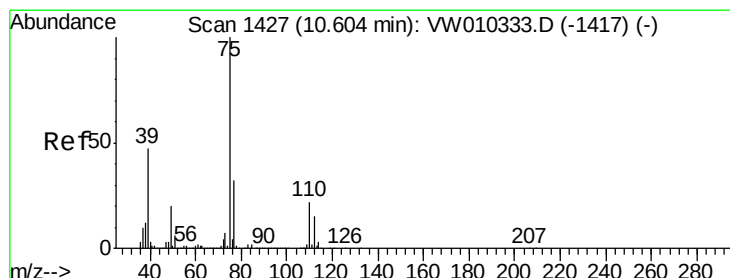
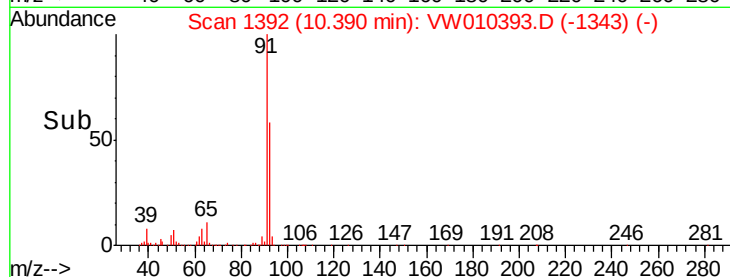
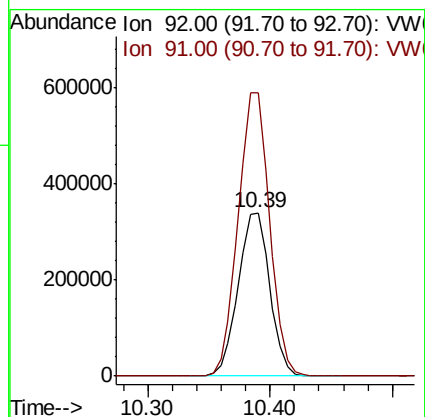
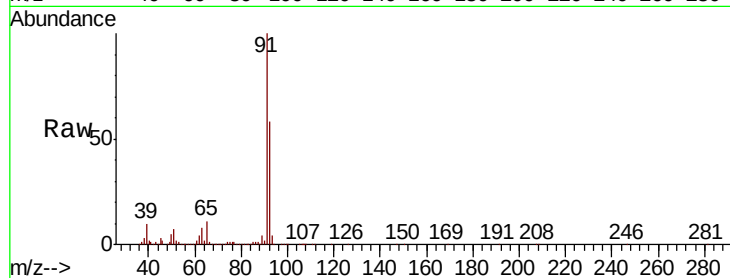
ClientSampled :

Tot Ion: 92 Resp: 606668

Ion Ratio Lower Upper

92 100

91 173.2 138.5 207.7



#53

t-1,3-Dichloropropene

Concen: 17.834 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW010393.D

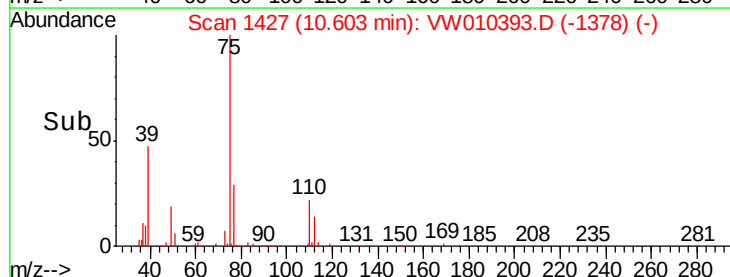
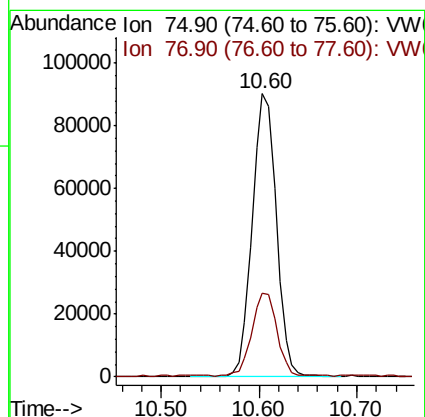
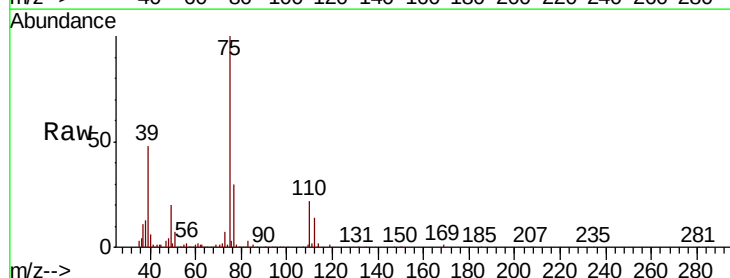
Acq: 11 May 2019 20:53

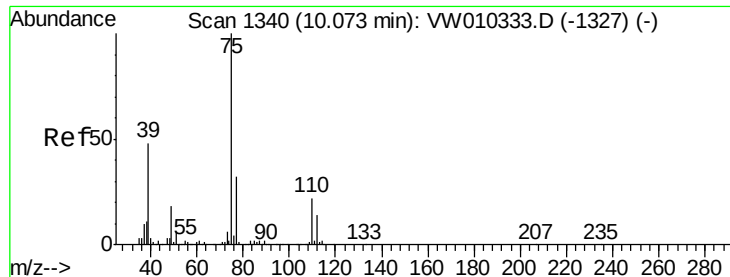
Tgt Ion: 75 Resp: 155071

Ion Ratio Lower Upper

75 100

77 29.1 26.9 40.3





#54

cis-1,3-Dichloropropene

Concen: 15.346 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW010393.D

Acq: 11 May 2019 20:53

Instrument :

MSVOA_W

ClientSampled :

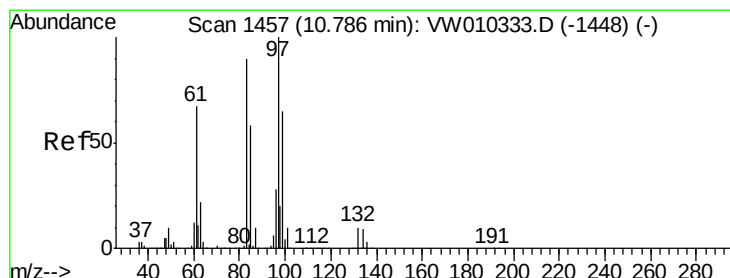
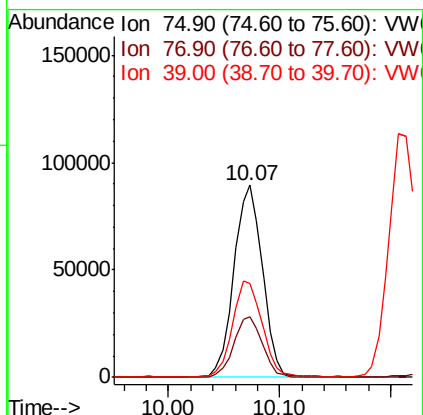
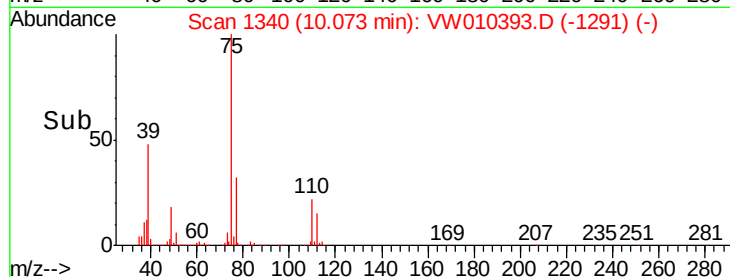
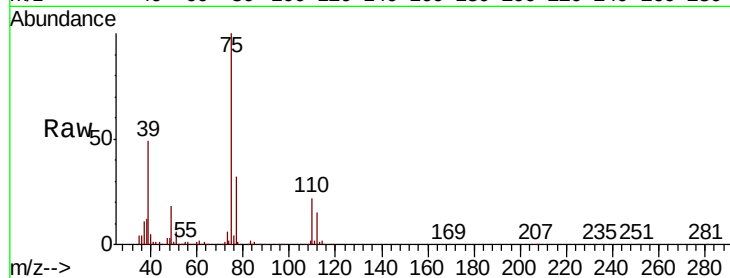
Tot Ion: 75 Resp: 158021

Ion Ratio Lower Upper

75 100

77 31.8 25.6 38.4

39 48.2 47.8 71.6



#55

1,1,2-Trichloroethane

Concen: 62.062 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW010393.D

Acq: 11 May 2019 20:53

Tgt Ion: 97 Resp: 315447

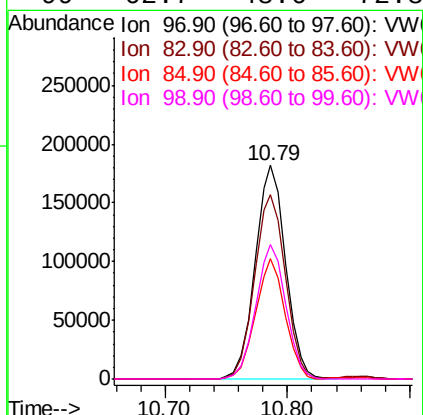
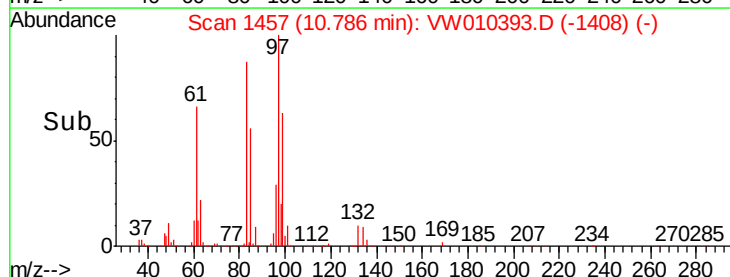
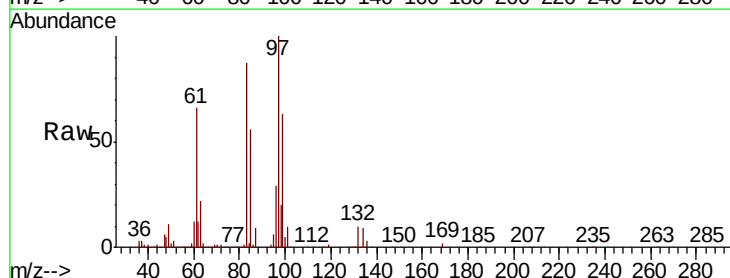
Ion Ratio Lower Upper

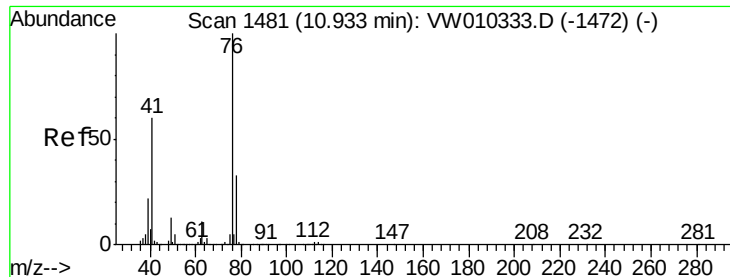
97 100

83 86.6 68.9 103.3

85 56.3 42.9 64.3

99 62.7 48.6 72.8





#57

1,3-Dichloropropane

Concen: 62.068 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW010393.D

Acq: 11 May 2019 20:53

Instrument :

MSVOA_W

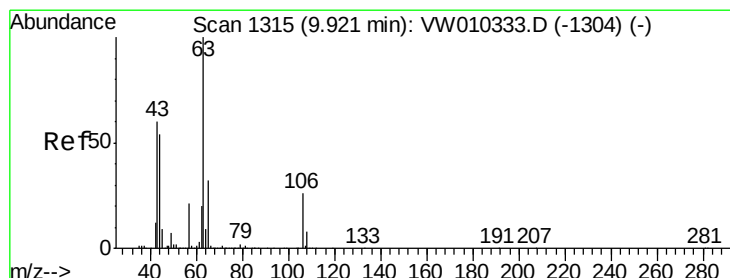
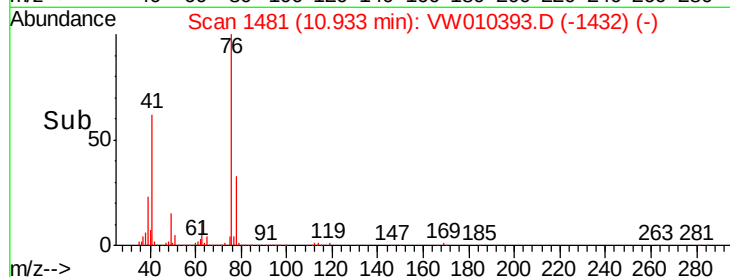
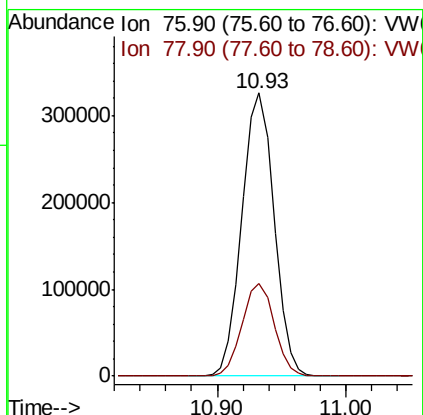
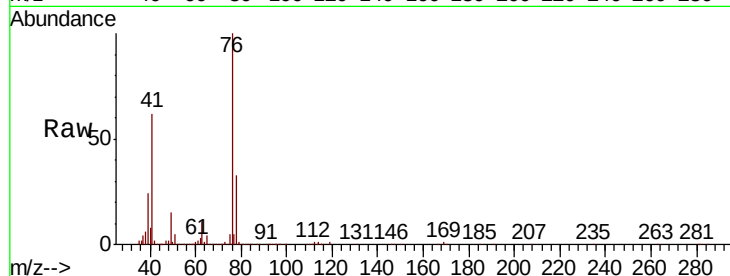
ClientSampleId :

Tot Ion: 76 Resp: 563976

Ion Ratio Lower Upper

76 100

78 32.7 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 45.162 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VW010393.D

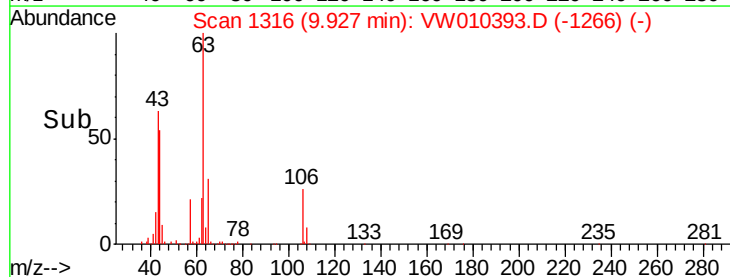
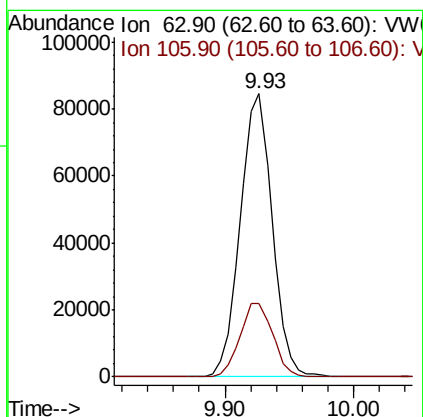
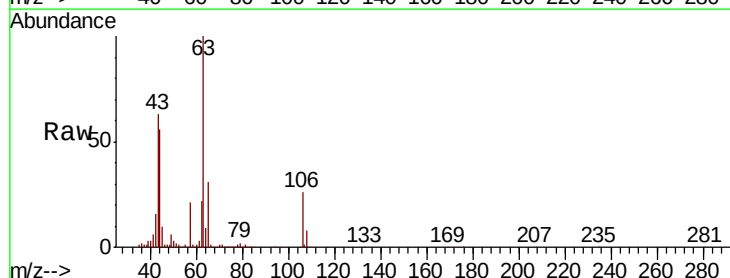
Acq: 11 May 2019 20:53

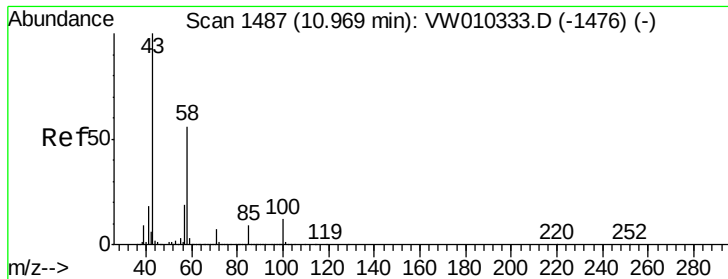
Tgt Ion: 63 Resp: 145132

Ion Ratio Lower Upper

63 100

106 26.9 21.4 32.0

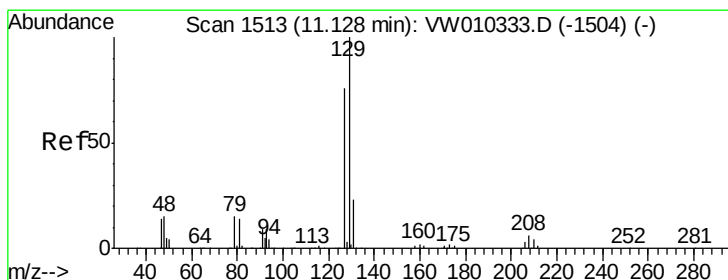
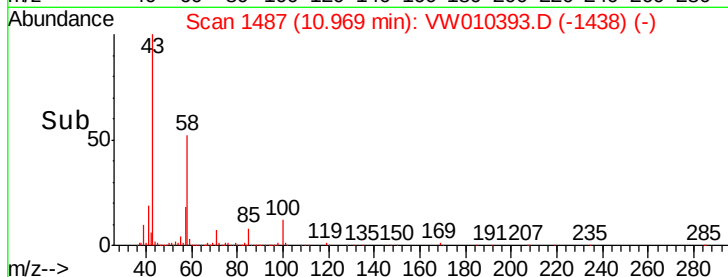
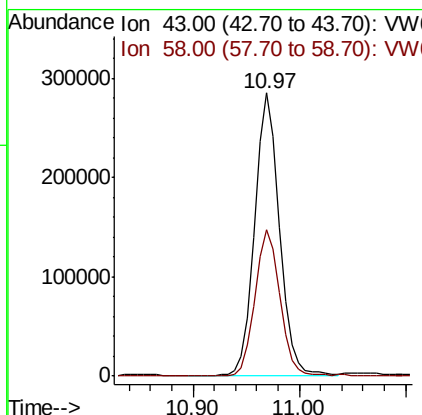
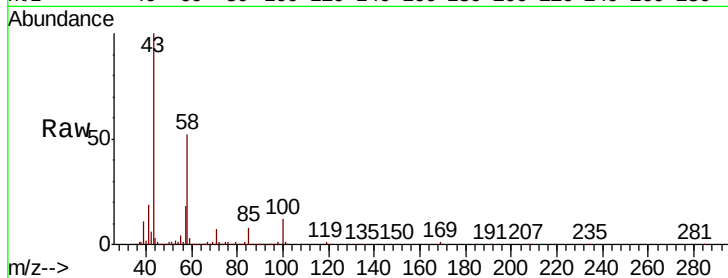




#59
2-Hexanone
Concen: 128.153 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010393.D
Acq: 11 May 2019 20:53

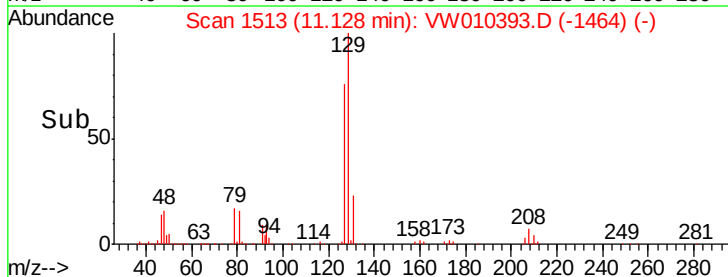
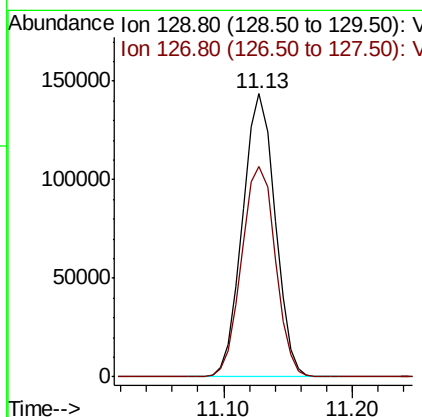
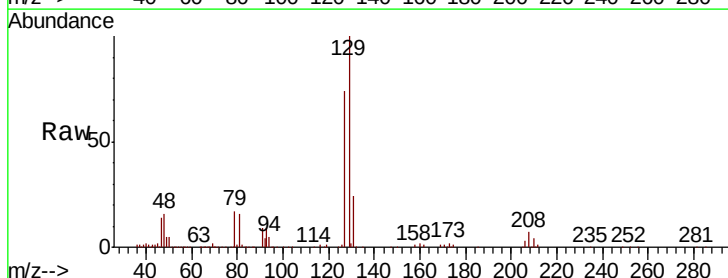
Instrument :
MSVOA_W
ClientSampleId :

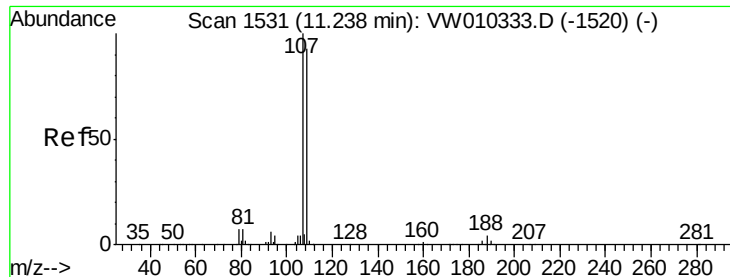
Tot Ion: 43 Resp: 466840
Ion Ratio Lower Upper
43 100
58 52.2 24.9 74.7



#60
Dibromochloromethane
Concen: 45.896 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010393.D
Acq: 11 May 2019 20:53

Tgt Ion:129 Resp: 251019
Ion Ratio Lower Upper
129 100
127 77.0 38.6 116.0

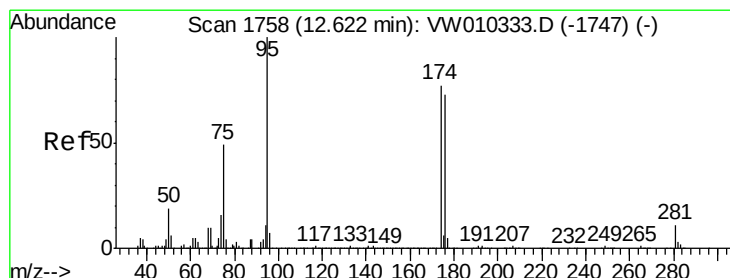
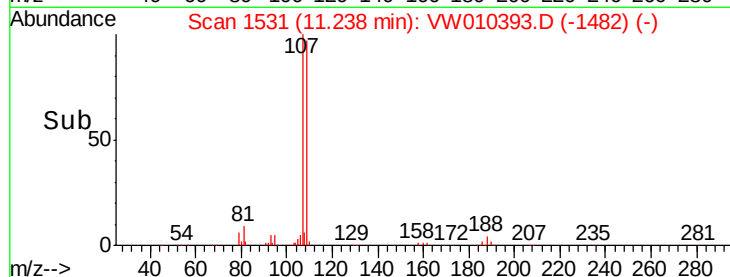
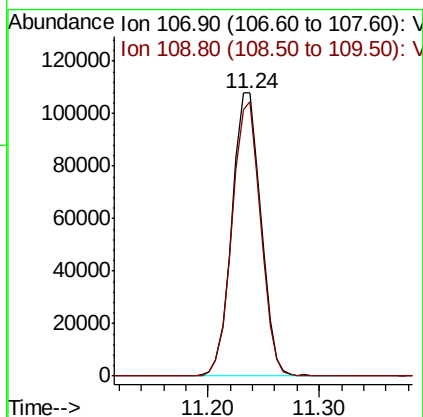
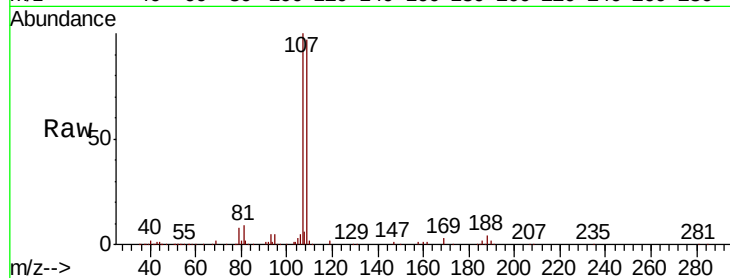




#61
 1,2-Dibromoethane
 Concen: 39.829 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW010393.D
 Acq: 11 May 2019 20:53

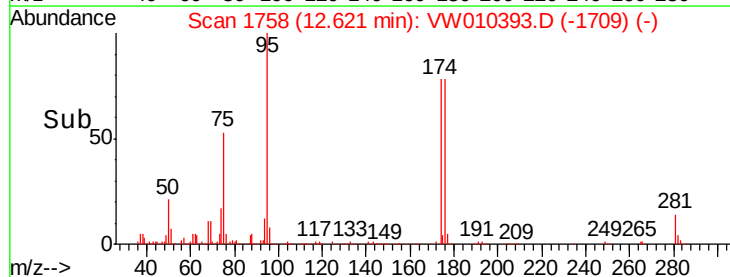
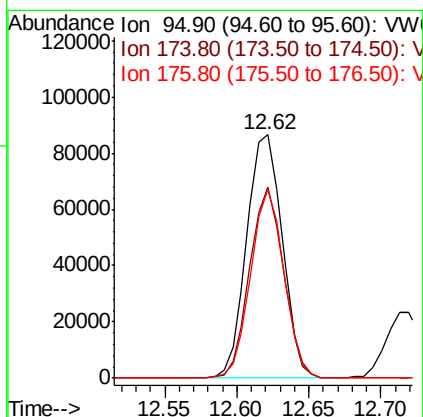
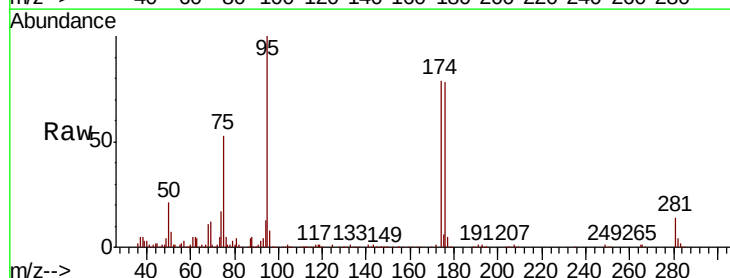
Instrument :
 MSVOA_W
 ClientSampleId :

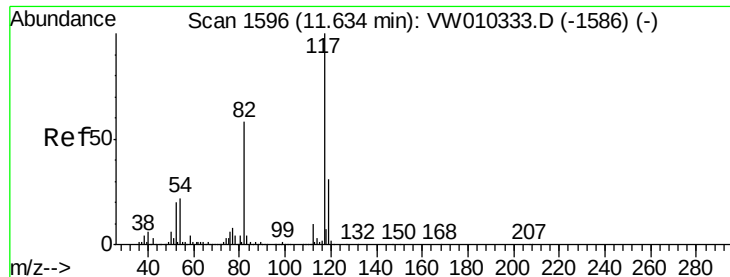
Tot Ion:107 Resp: 194337
 Ion Ratio Lower Upper
 107 100
 109 96.0 73.6 110.4



#62
 4-Bromofluorobenzene
 Concen: 18.765 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW010393.D
 Acq: 11 May 2019 20:53

Tgt Ion: 95 Resp: 147718
 Ion Ratio Lower Upper
 95 100
 174 74.9 0.0 151.4
 176 72.5 0.0 146.2

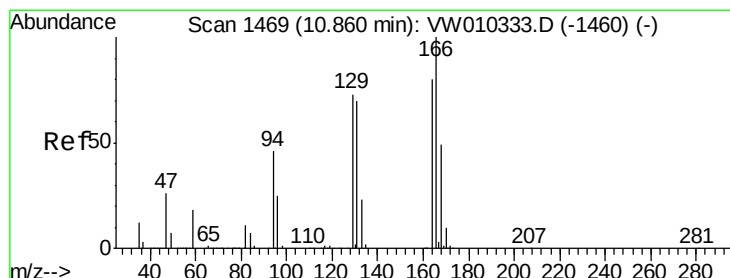
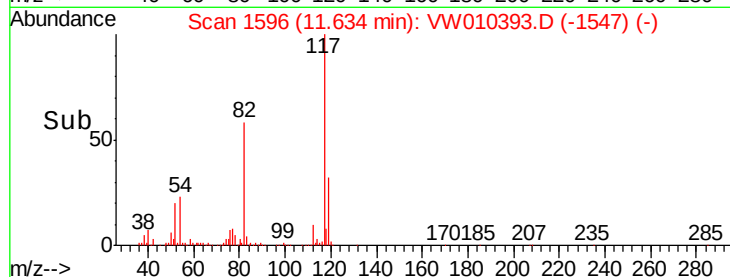
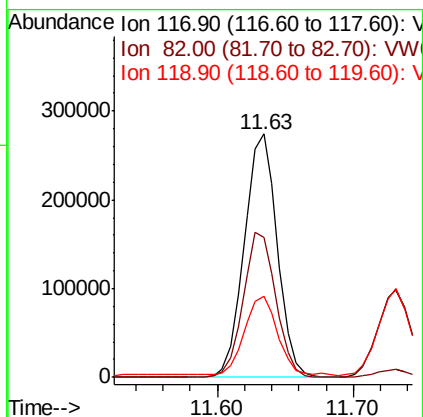
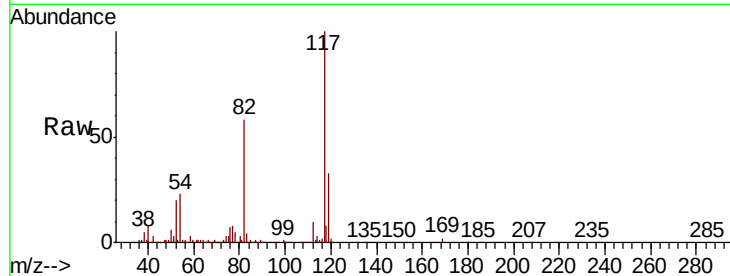




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010393.D
Acq: 11 May 2019 20:53

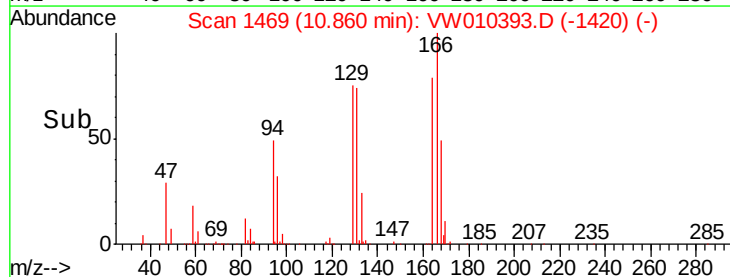
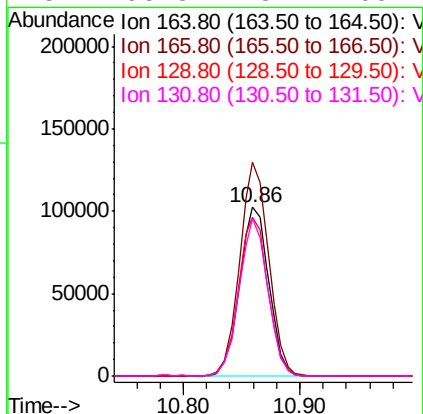
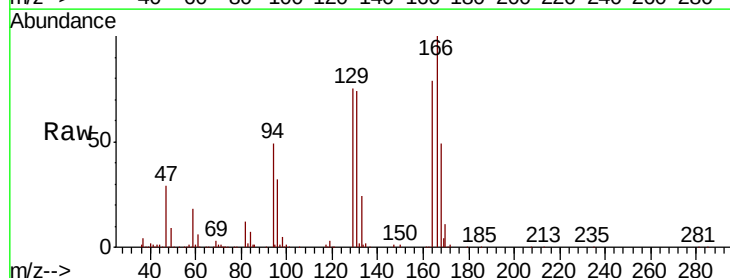
Instrument :
MSVOA_W
ClientSampleId :

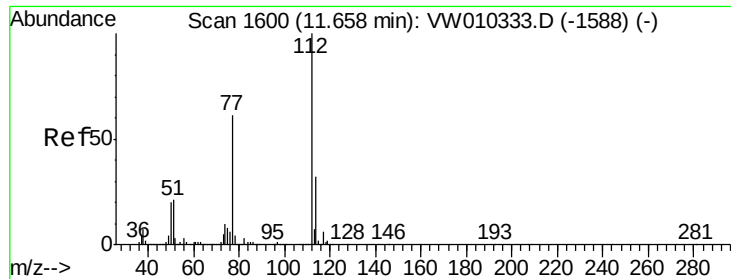
Tot Ion:117 Resp: 464372
Ion Ratio Lower Upper
117 100
82 57.6 45.2 67.8
119 32.6 25.4 38.2



#64
Tetrachloroethene
Concen: 55.255 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010393.D
Acq: 11 May 2019 20:53

Tgt Ion:164 Resp: 179338
Ion Ratio Lower Upper
164 100
166 126.5 101.2 151.8
129 94.3 77.8 116.6
131 93.3 73.1 109.7

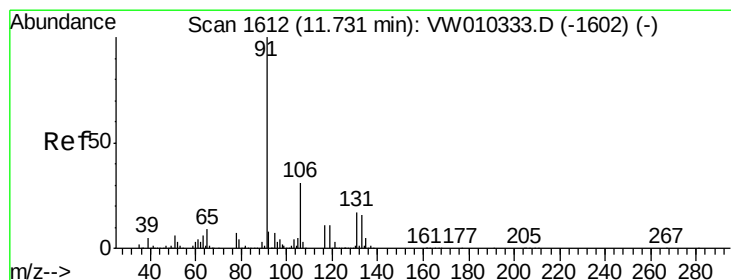
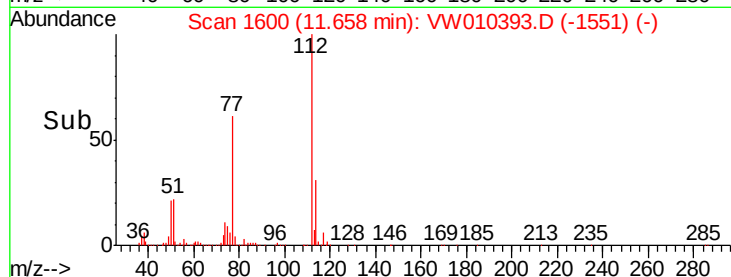
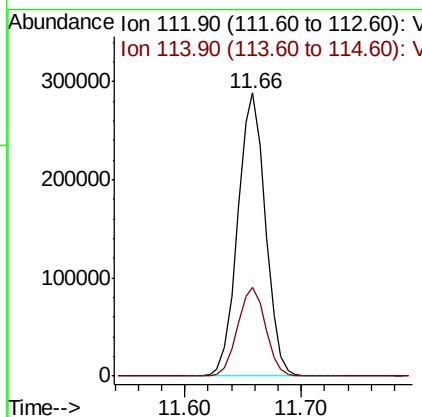
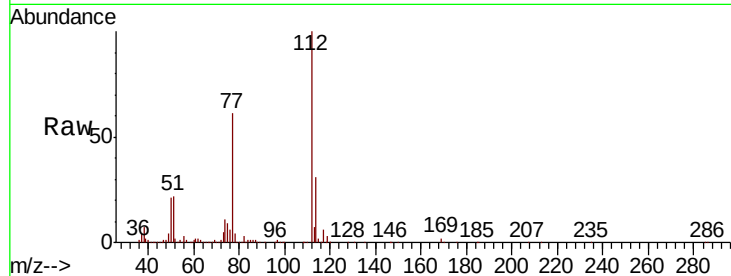




#65
Chlorobenzene
Concen: 49.673 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010393.D
Acq: 11 May 2019 20:53

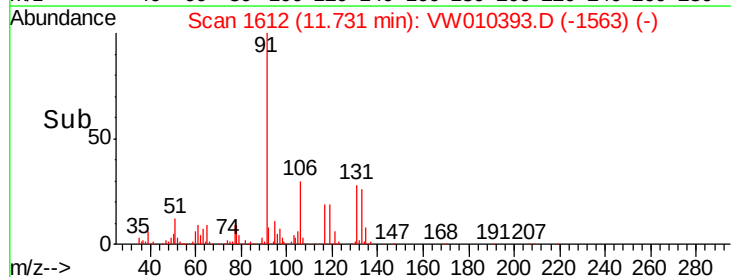
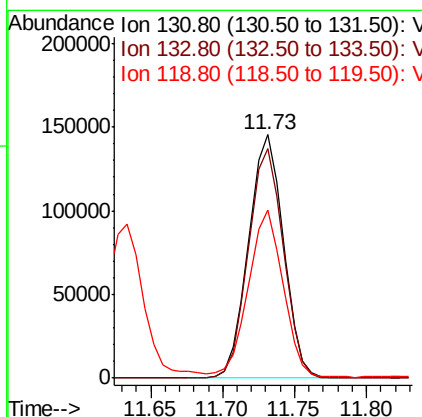
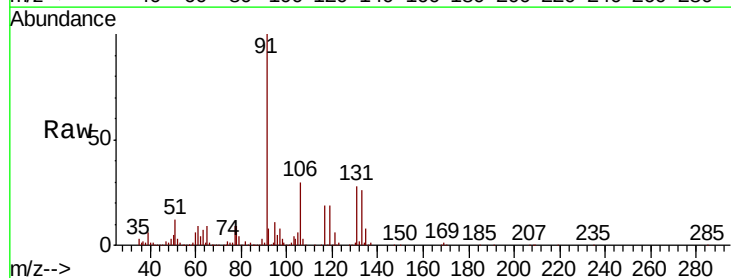
Instrument :
MSVOA_W
ClientSampleId :

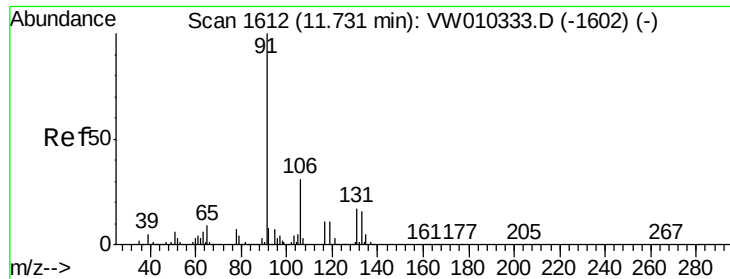
Tot Ion:112 Resp: 477494
Ion Ratio Lower Upper
112 100
114 31.4 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 74.821 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010393.D
Acq: 11 May 2019 20:53

Tgt Ion:131 Resp: 243092
Ion Ratio Lower Upper
131 100
133 94.8 46.5 139.5
119 67.9 31.9 95.5

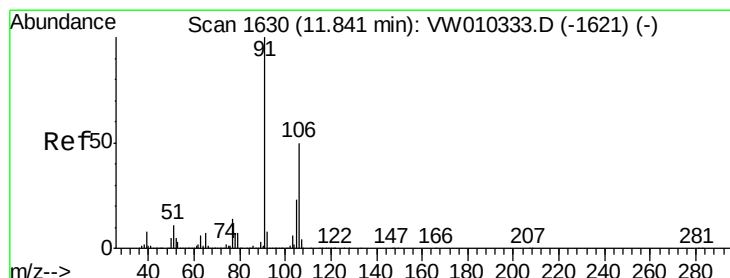
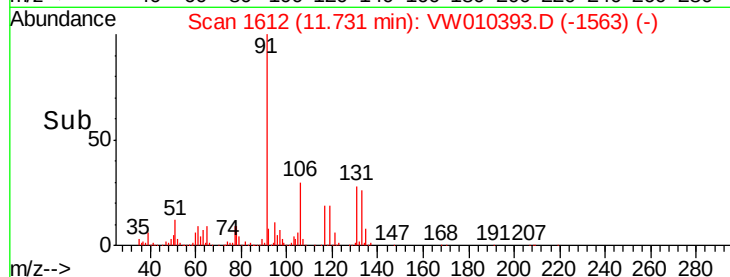
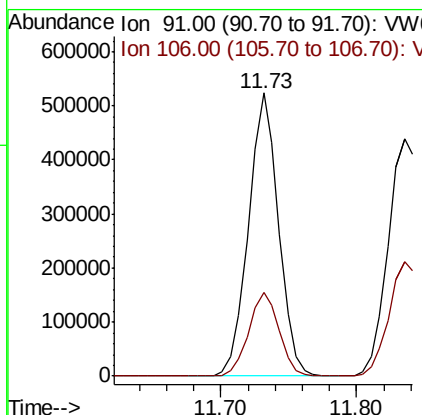
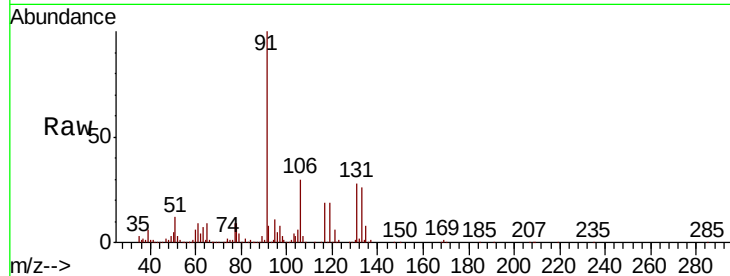




#67
Ethyl Benzene
Concen: 45.722 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010393.D
Acq: 11 May 2019 20:53

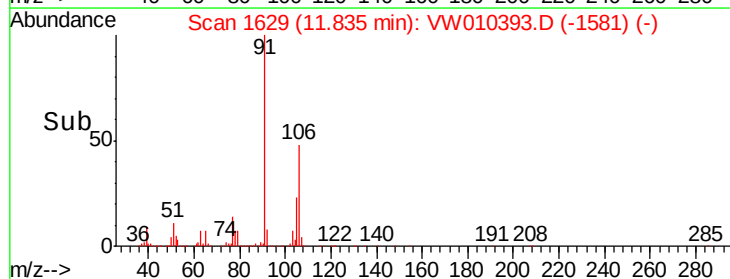
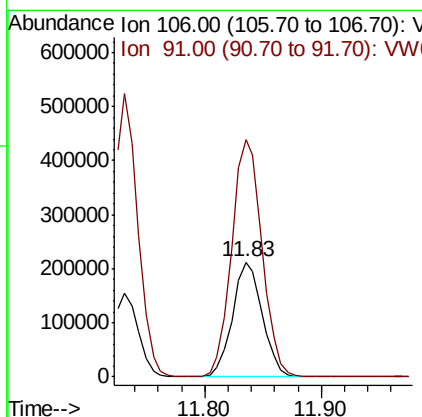
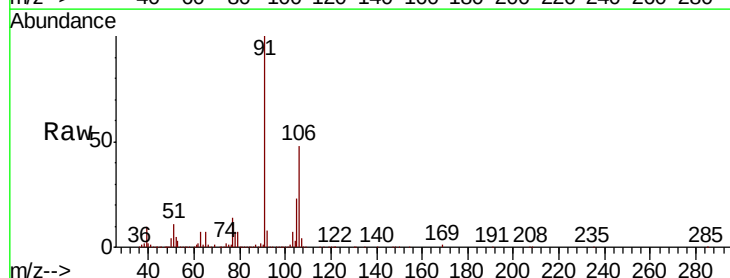
Instrument :
MSVOA_W
ClientSampled :

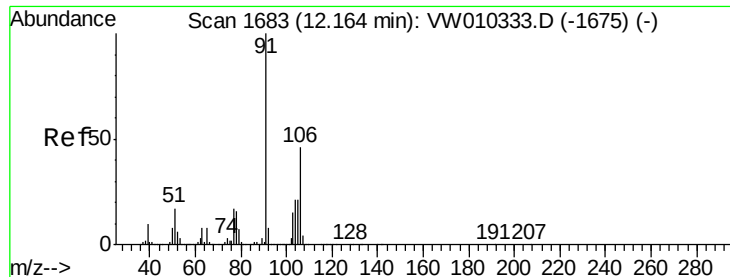
Tot Ion: 91 Resp: 808536
Ion Ratio Lower Upper
91 100
106 29.8 23.8 35.8



#68
m/p-Xylenes
Concen: 57.322 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW010393.D
Acq: 11 May 2019 20:53

Tgt Ion: 106 Resp: 376620
Ion Ratio Lower Upper
106 100
91 210.6 165.0 247.6

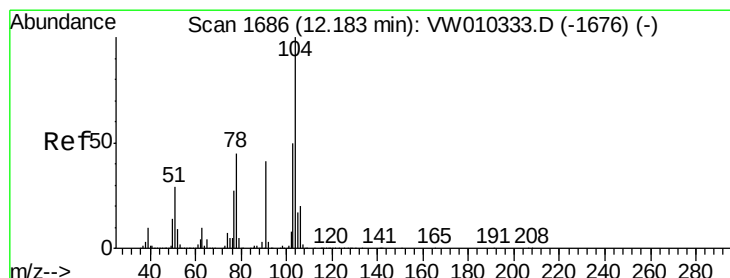
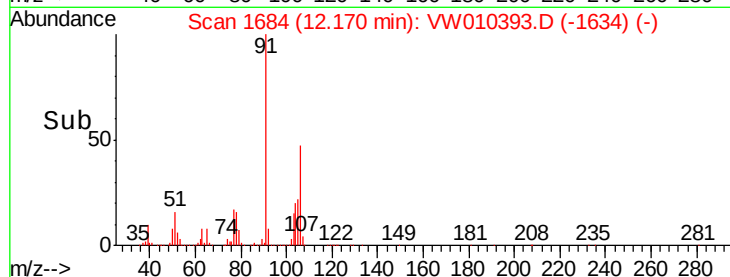
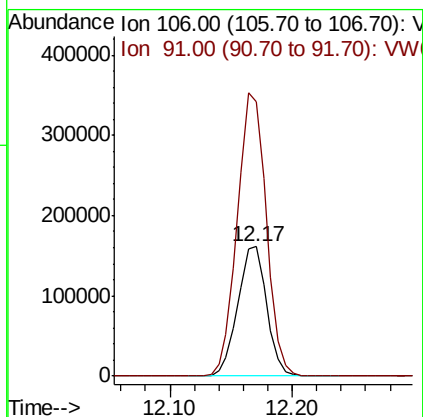
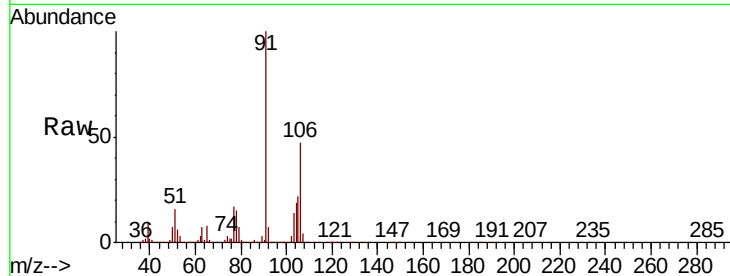




#69
o-Xylene
Concen: 44.471 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW010393.D
Acq: 11 May 2019 20:53

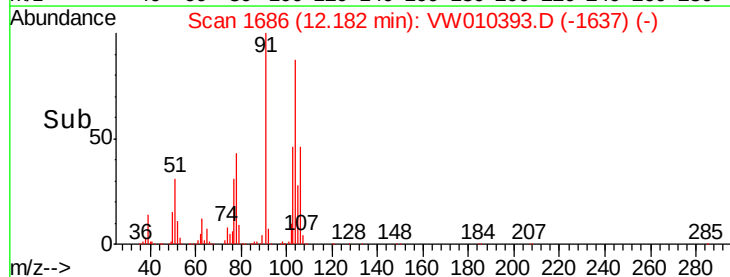
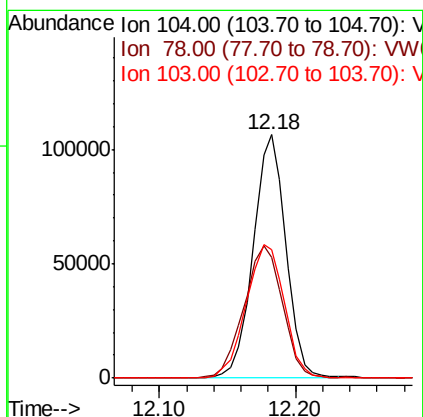
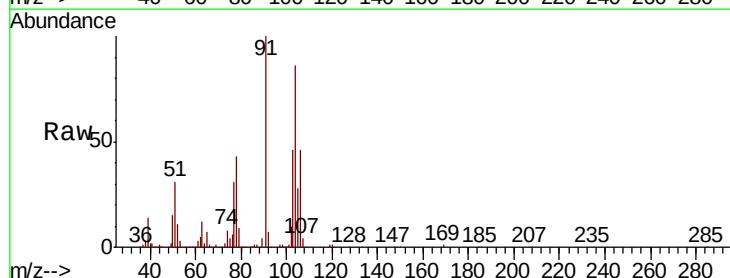
Instrument :
MSVOA_W
ClientSampleId :

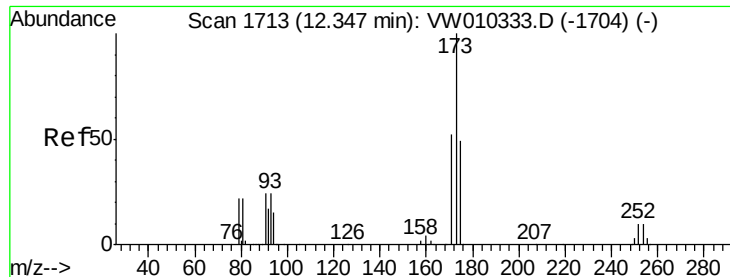
Tot Ion:106 Resp: 264314
Ion Ratio Lower Upper
106 100
91 219.3 110.5 331.4



#70
Styrene
Concen: 17.312 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010393.D
Acq: 11 May 2019 20:53

Tgt Ion:104 Resp: 179290
Ion Ratio Lower Upper
104 100
78 64.1 42.5 63.7#
103 64.2 43.6 65.4





#71

Bromoform

Concen: 59.557 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW010393.D

Acq: 11 May 2019 20:53

Instrument :

MSVOA_W

ClientSampled :

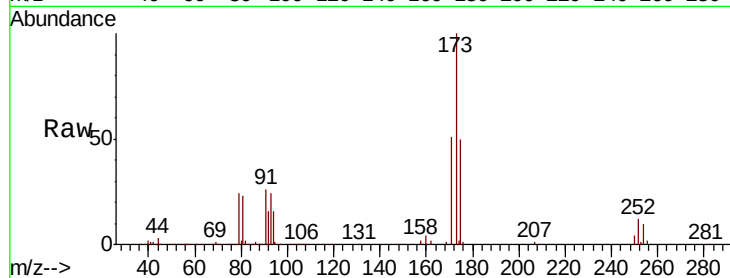
Tot Ion:173 Resp: 110613

Ion Ratio Lower Upper

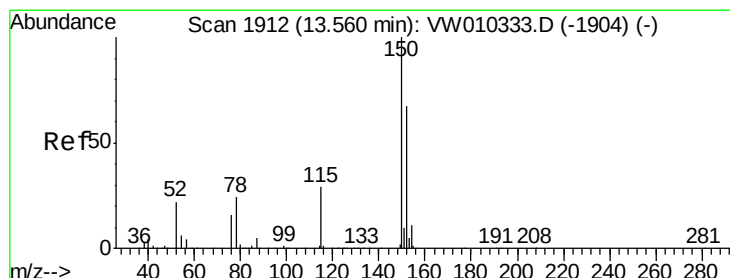
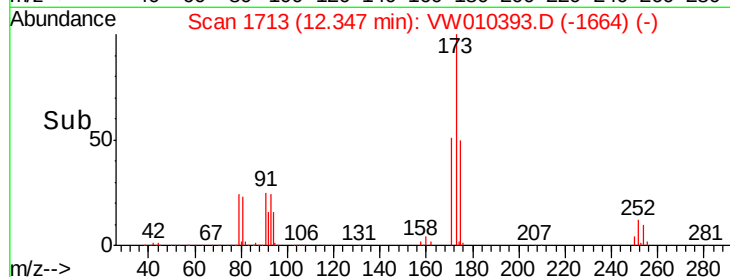
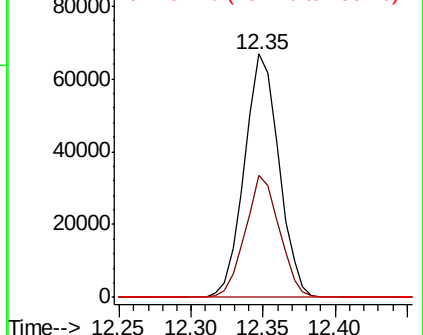
173 100

175 49.8 23.8 71.4

254 0.1 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: VW010393.D

Acq: 11 May 2019 20:53

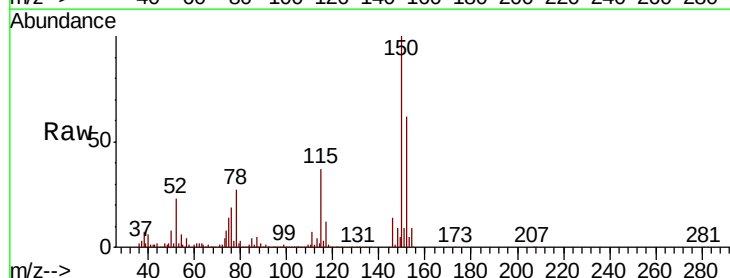
Tgt Ion:152 Resp: 93883

Ion Ratio Lower Upper

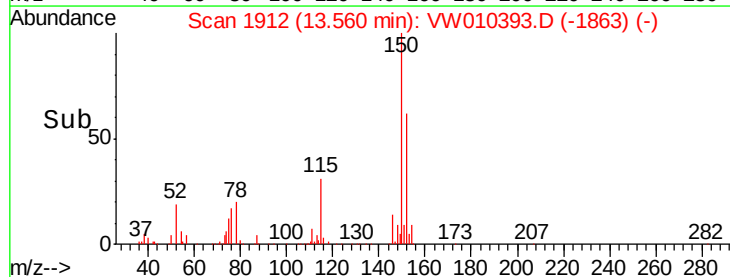
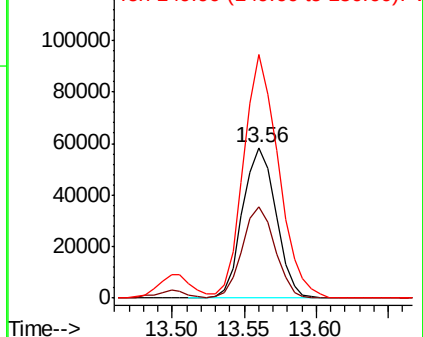
152 100

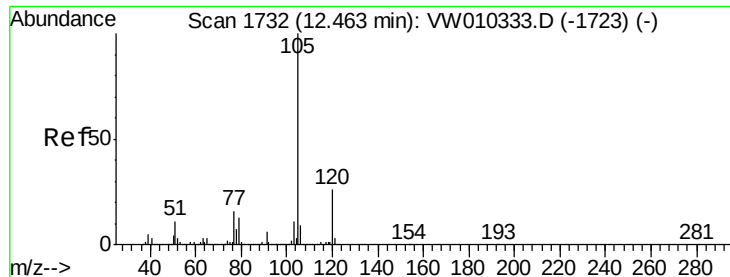
115 59.3 30.4 91.2

150 169.2 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: 76.410 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW010393.D

Acq: 11 May 2019 20:53

Instrument :

MSVOA_W

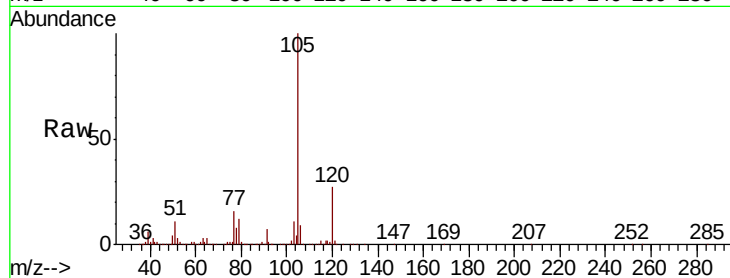
ClientSampleId :

Tot Ion: 105 Resp: 522883

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

12.47

300000

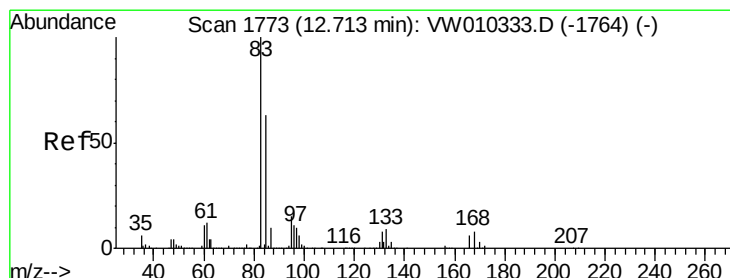
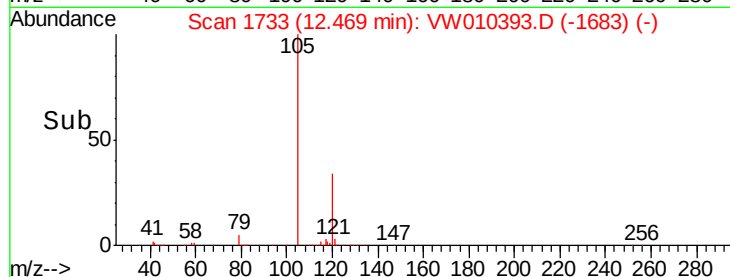
200000

100000

0

Time-->

12.40 12.50



#75

1,1,2,2-Tetrachloroethane

Concen: 169.975 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW010393.D

Acq: 11 May 2019 20:53

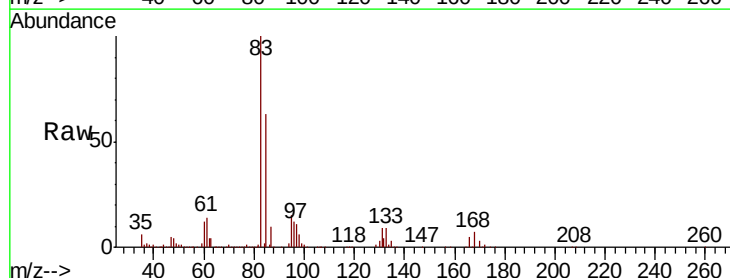
Tgt Ion: 83 Resp: 256286

Ion Ratio Lower Upper

83 100

131 9.9 5.3 15.8

85 64.3 32.0 96.2



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW

200000

150000

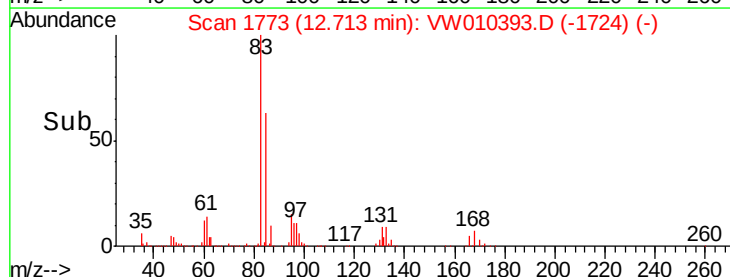
100000

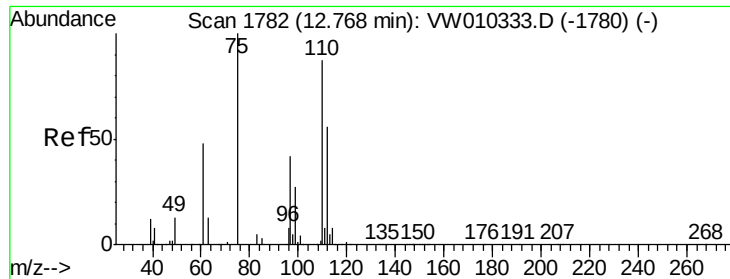
50000

0

Time-->

12.65 12.70 12.75





#76

1,2,3-Trichloropropane

Concen: 244.225 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW010393.D

Acq: 11 May 2019 20:53

Instrument :

MSVOA_W

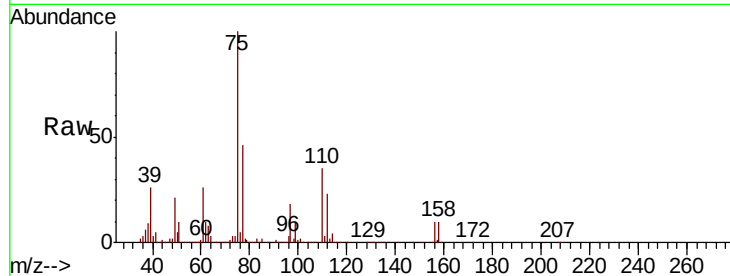
ClientSampleId :

Tot Ion: 75 Resp: 267328

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

12.77

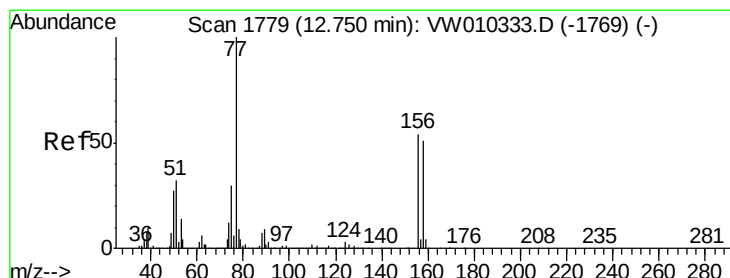
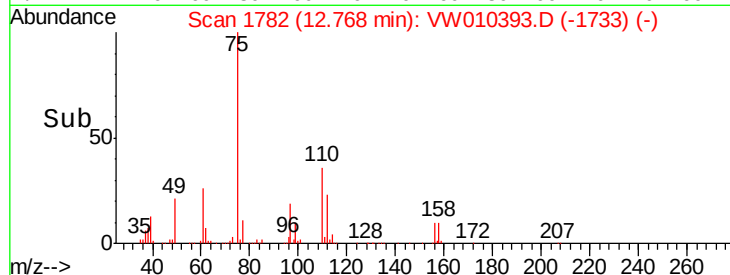
150000

100000

50000

0

Time-->



#77

Bromobenzene

Concen: 89.163 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010393.D

Acq: 11 May 2019 20:53

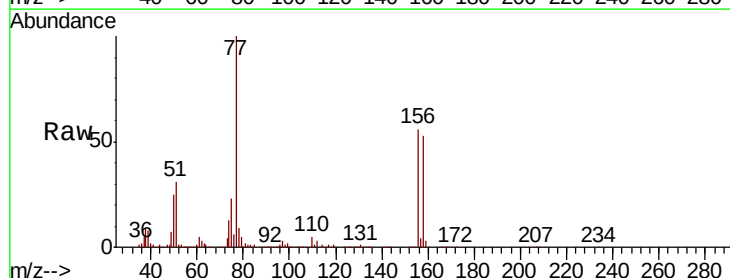
Tgt Ion: 156 Resp: 137769

Ion Ratio Lower Upper

156 100

77 242.0 102.5 307.4

158 95.5 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

200000

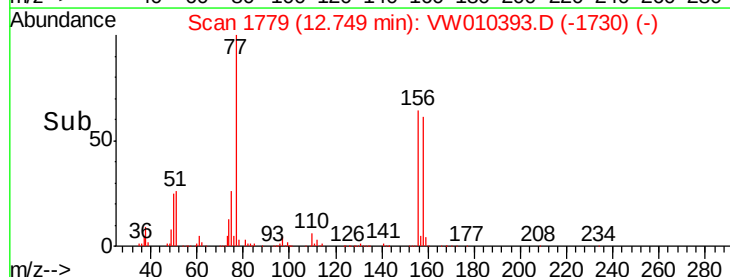
150000

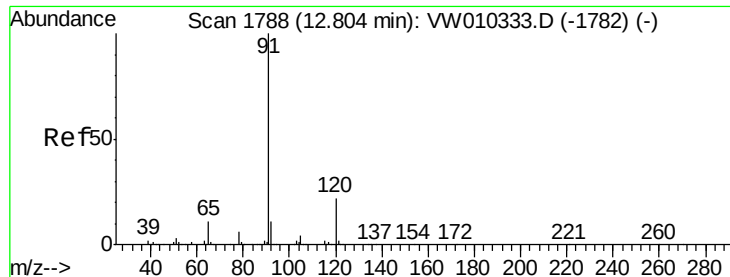
100000

50000

0

Time-->





#78

n-propylbenzene

Concen: 58.251 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW010393.D

Acq: 11 May 2019 20:53

Instrument :

MSVOA_W

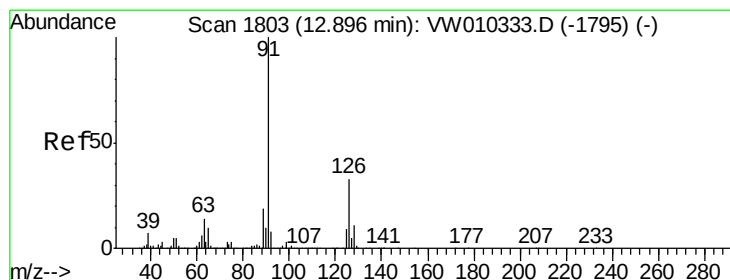
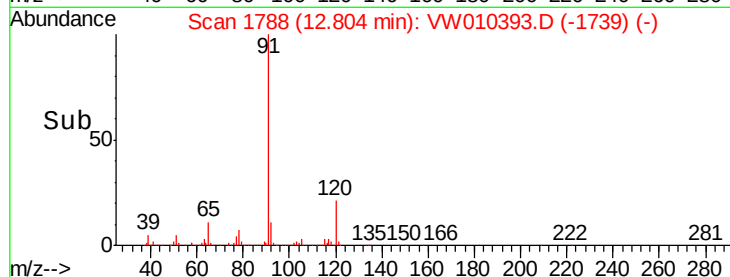
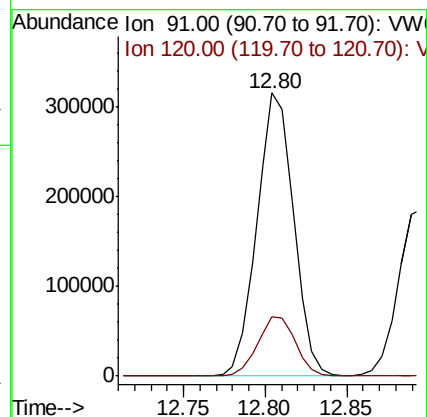
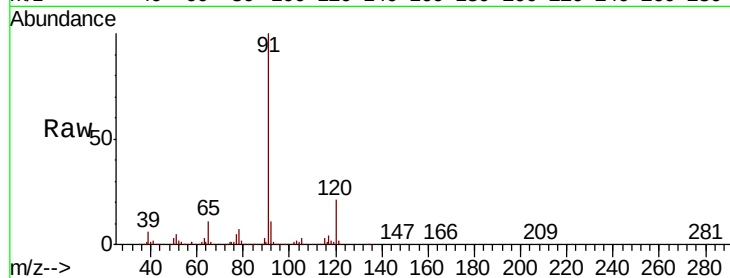
ClientSampleId :

Tot Ion: 91 Resp: 492326

Ion Ratio Lower Upper

91 100

120 21.8 11.1 33.1



#79

2-Chlorotoluene

Concen: 62.852 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW010393.D

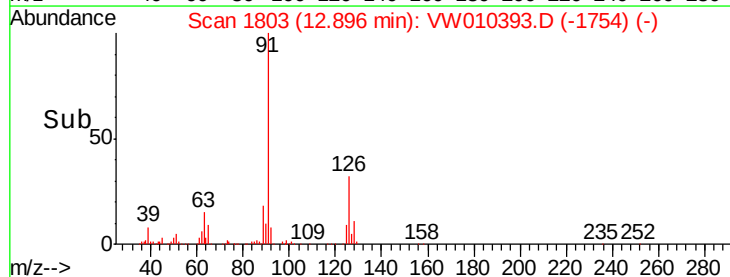
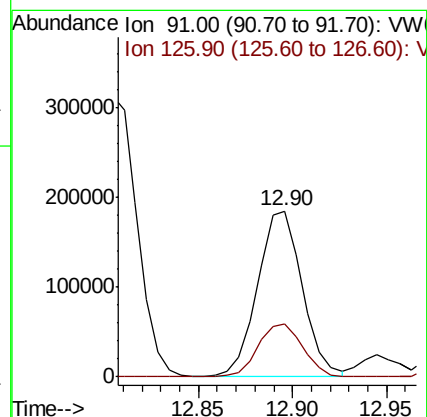
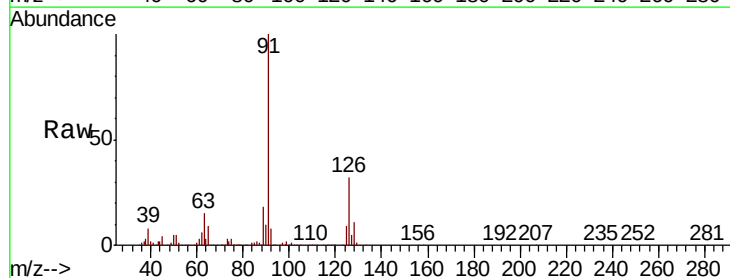
Acq: 11 May 2019 20:53

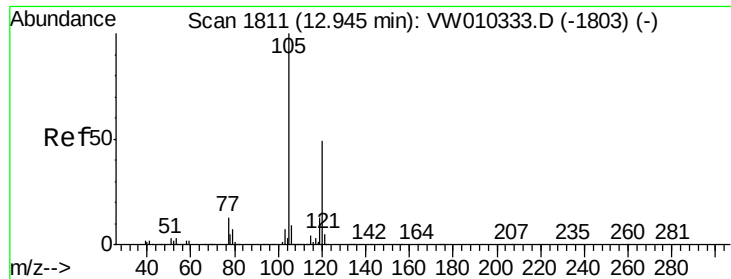
Tgt Ion: 91 Resp: 302520

Ion Ratio Lower Upper

91 100

126 32.3 16.3 48.8

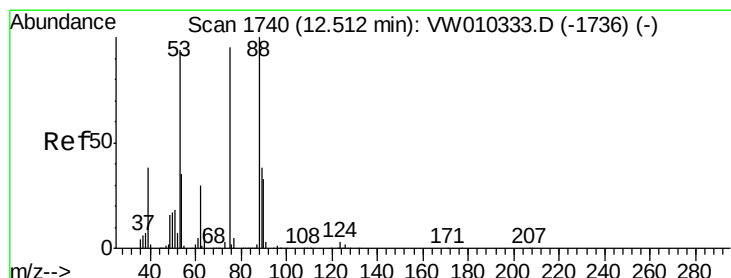
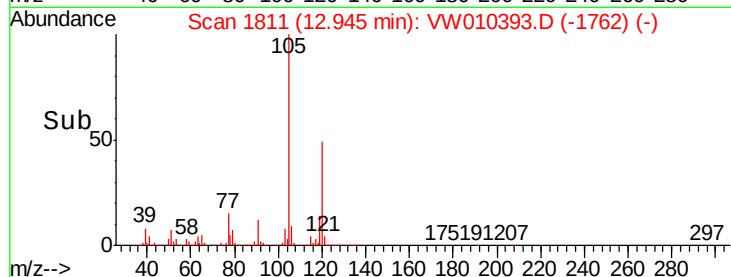
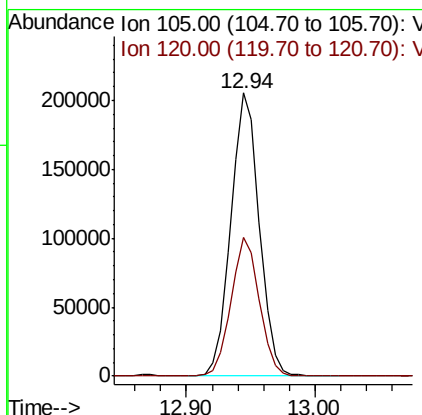
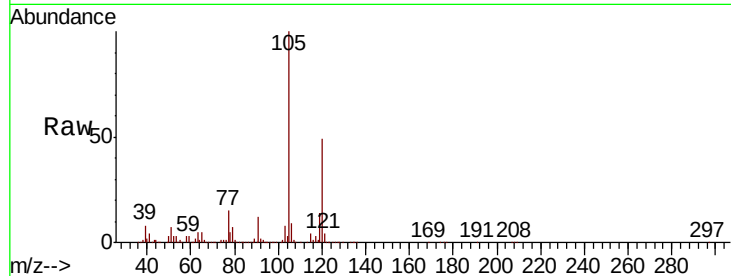




#80
 1,3,5-Trimethylbenzene
 Concen: 54.733 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW010393.D
 Acq: 11 May 2019 20:53

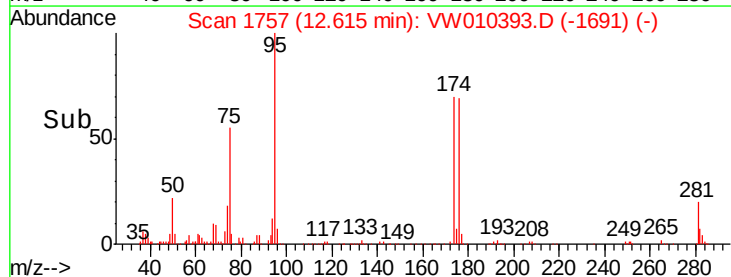
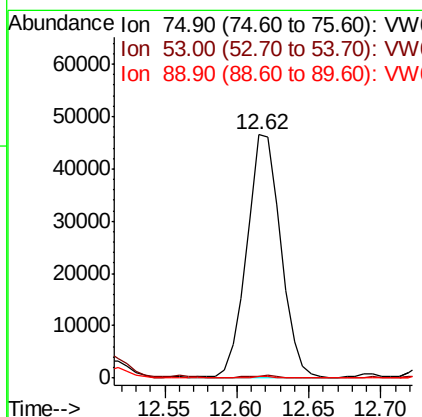
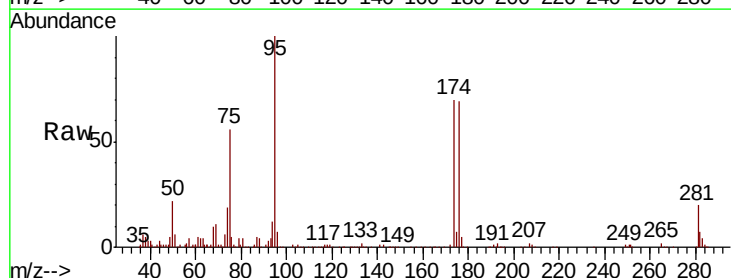
Instrument :
 MSVOA_W
 ClientSampleId :

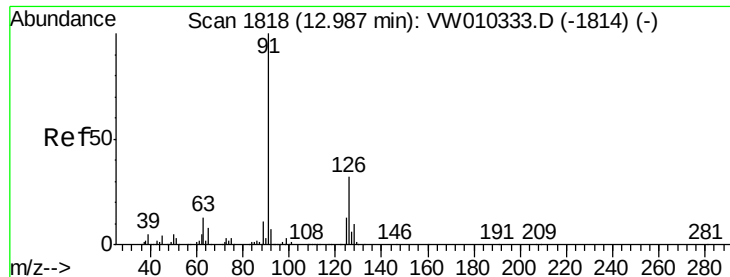
Tot Ion:105 Resp: 315759
 Ion Ratio Lower Upper
 105 100
 120 48.8 24.3 72.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 155.144 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW010393.D
 Acq: 11 May 2019 20:53

Tgt Ion: 75 Resp: 75198
 Ion Ratio Lower Upper
 75 100
 53 0.7 89.8 134.8#
 89 0.5 36.6 54.8#

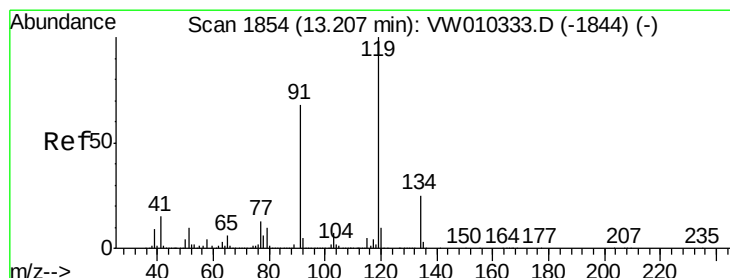
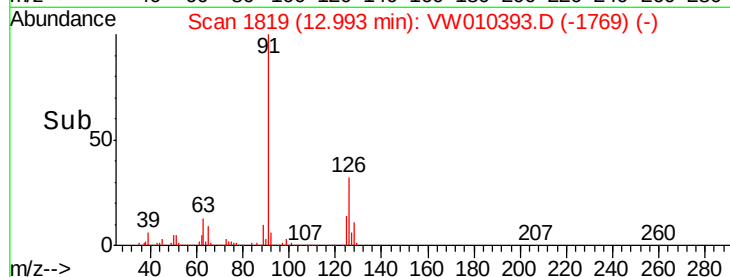
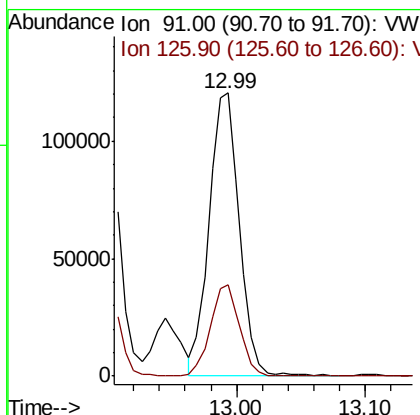
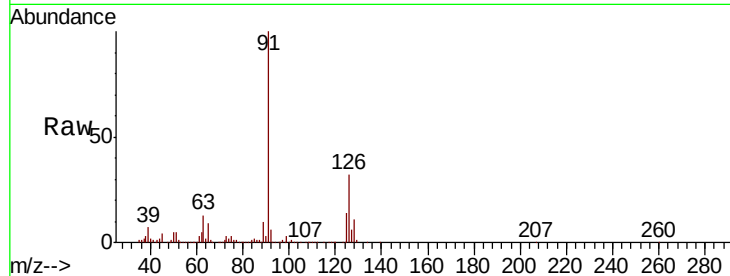




#82
4-Chlorotoluene
Concen: 38.901 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VW010393.D
Acq: 11 May 2019 20:53

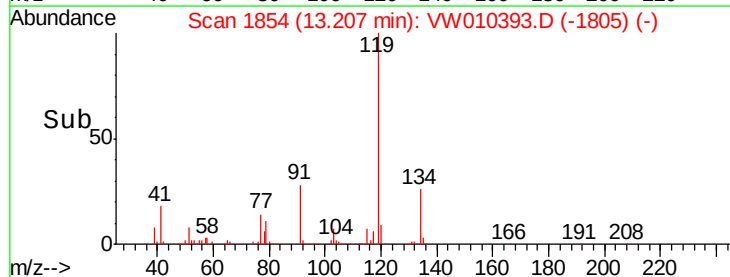
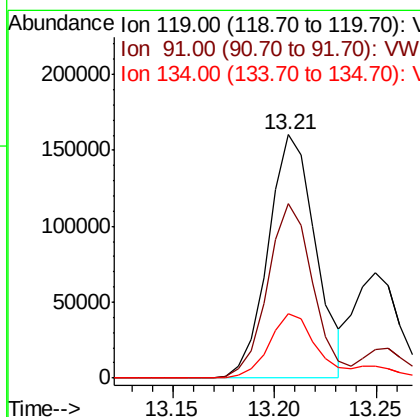
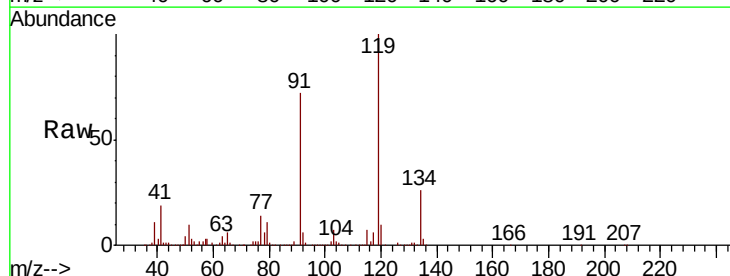
Instrument :
MSVOA_W
ClientSampled :

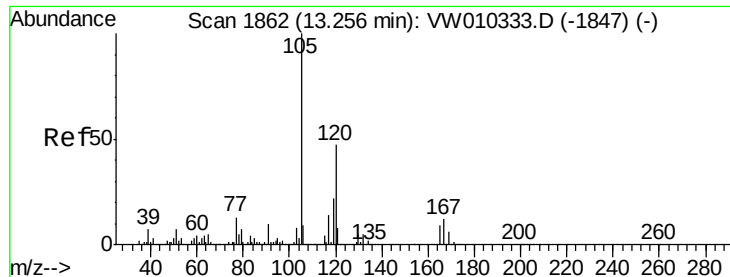
Tot Ion: 91 Resp: 196183
Ion Ratio Lower Upper
91 100
126 31.5 16.4 49.1



#83
tert-Butylbenzene
Concen: 54.126 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW010393.D
Acq: 11 May 2019 20:53

Tgt Ion: 119 Resp: 260451
Ion Ratio Lower Upper
119 100
91 68.7 34.8 104.4
134 26.2 13.7 41.1





#84

1,2,4-Trimethylbenzene

Concen: 49.869 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. -0.00 min

Lab File: VW010393.D

Acq: 11 May 2019 20:53

Instrument :

MSVOA_W

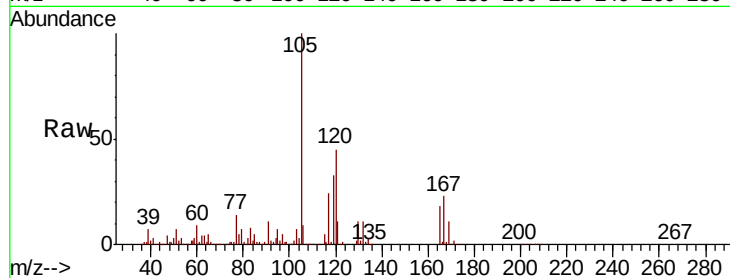
ClientSampleId :

Tot Ion:105 Resp: 285888

Ion Ratio Lower Upper

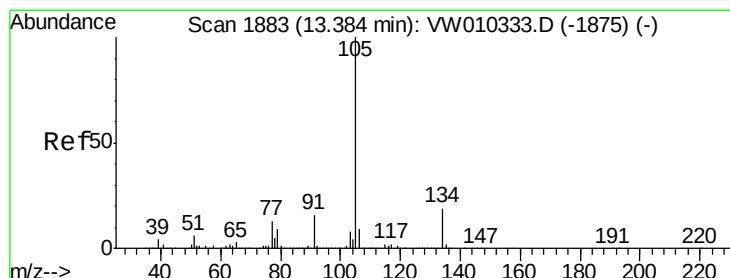
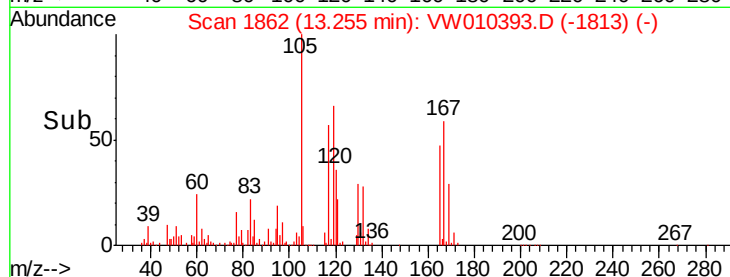
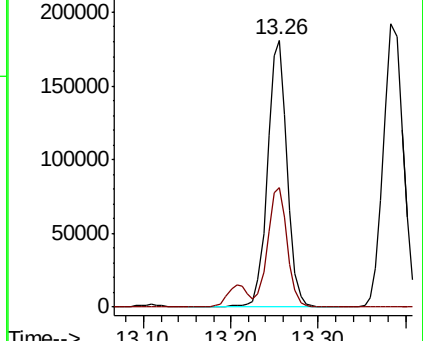
105 100

120 44.4 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: 42.335 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW010393.D

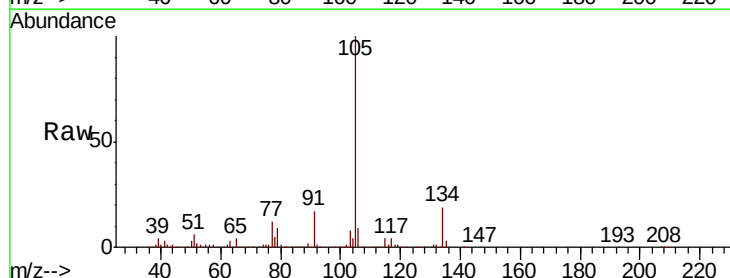
Acq: 11 May 2019 20:53

Tgt Ion:105 Resp: 300726

Ion Ratio Lower Upper

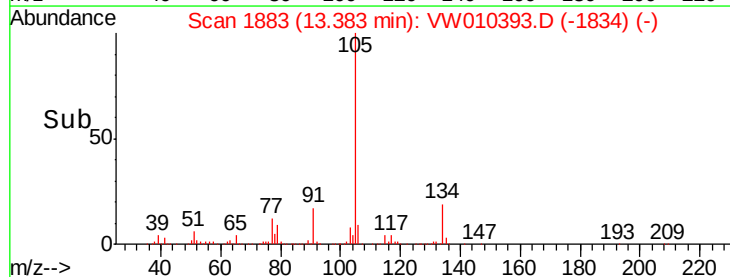
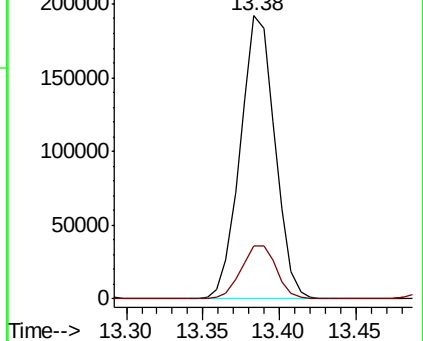
105 100

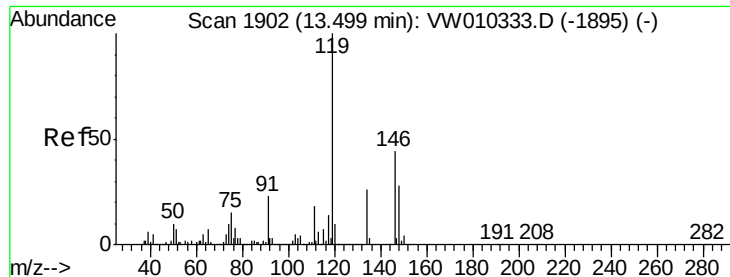
134 19.2 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

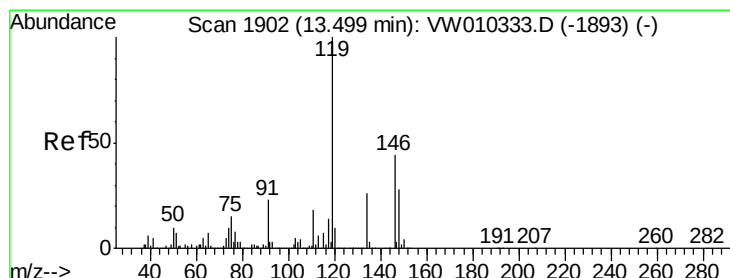
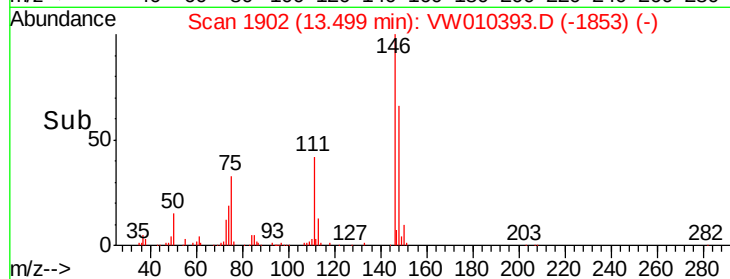
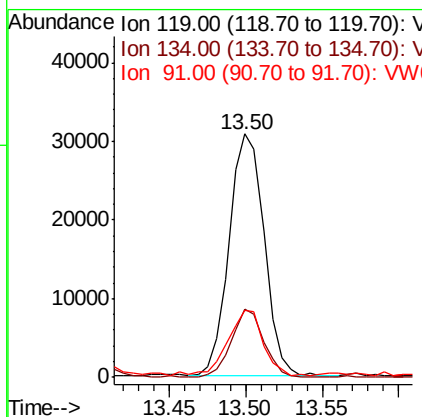
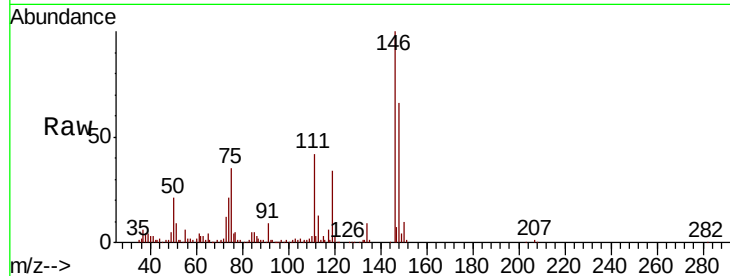




#86
 p-Isopropyltoluene
 Concen: 7.770 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010393.D
 Acq: 11 May 2019 20:53

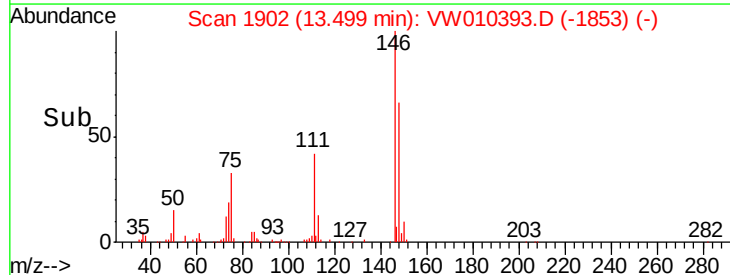
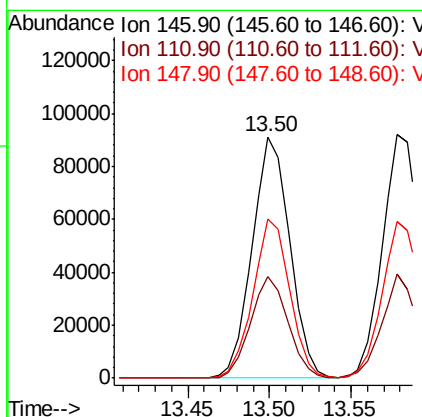
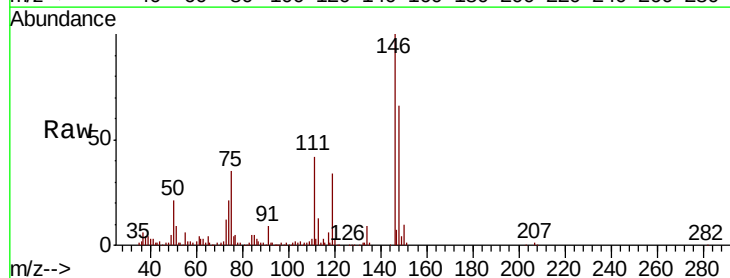
Instrument :
 MSVOA_W
 ClientSampleId :

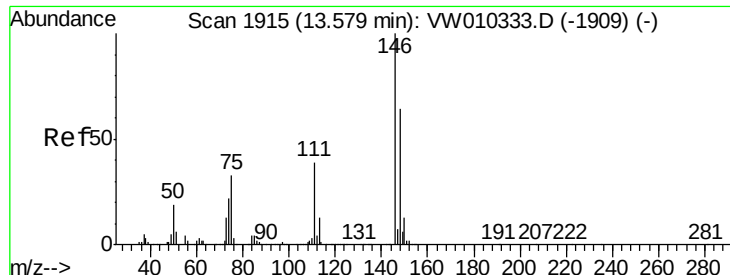
Tot Ion	Ratio	Lower	Upper
119	100		
134	25.9	13.0	38.9
91	26.6	12.3	36.9



#87
 1,3-Dichlorobenzene
 Concen: 47.325 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010393.D
 Acq: 11 May 2019 20:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.3	61.0
148	64.5	32.0	96.2





#88

1,4-Dichlorobenzene

Concen: 48.530 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW010393.D

Acq: 11 May 2019 20:53

Instrument :

MSVOA_W

ClientSampled :

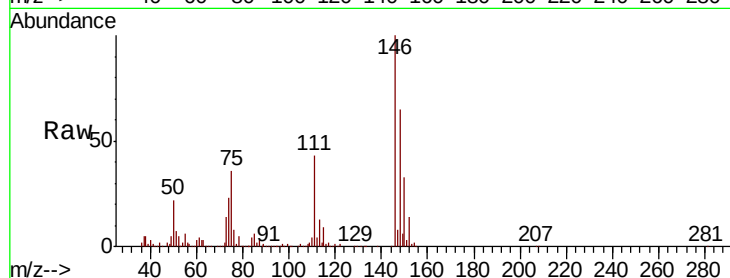
Tot Ion:146 Resp: 148594

Ion Ratio Lower Upper

146 100

111 40.2 20.1 60.3

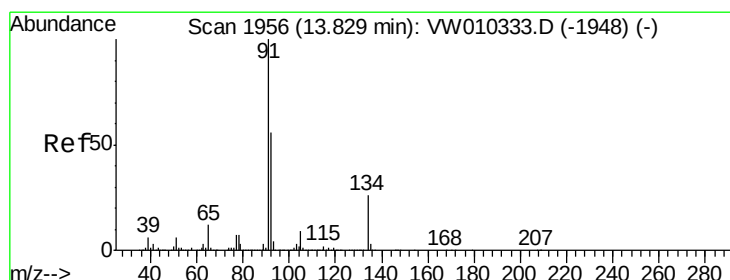
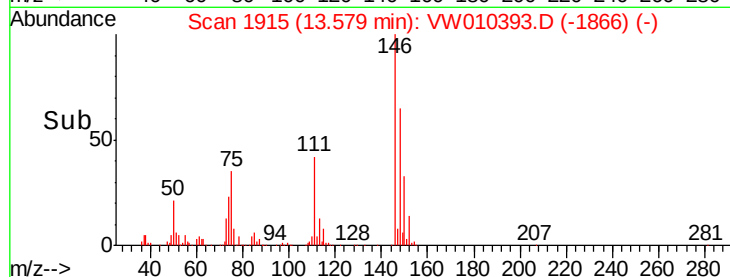
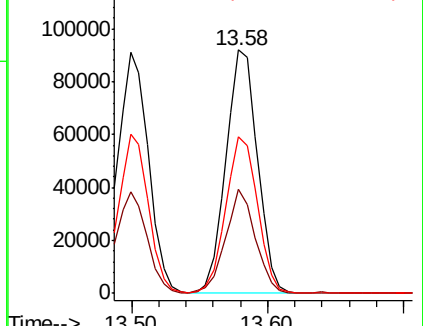
148 64.6 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 23.647 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW010393.D

Acq: 11 May 2019 20:53

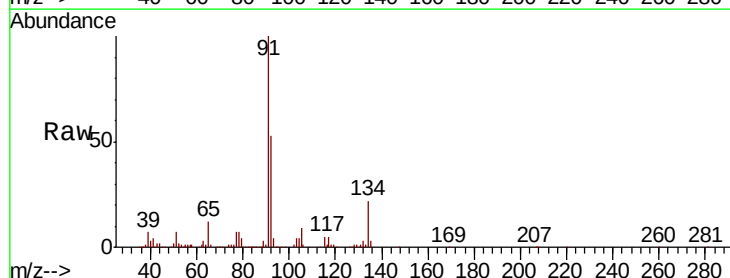
Tgt Ion: 91 Resp: 149543

Ion Ratio Lower Upper

91 100

92 51.6 26.5 79.4

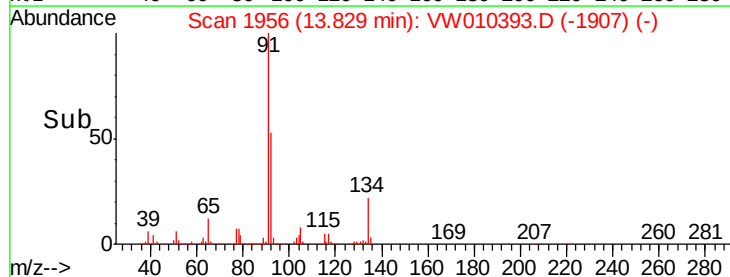
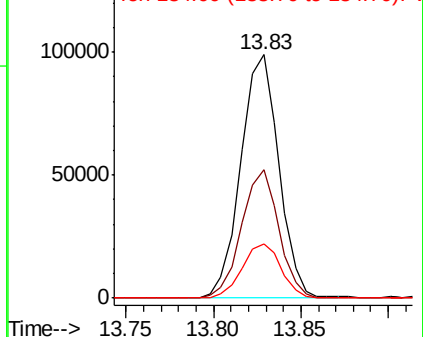
134 22.9 12.4 37.0

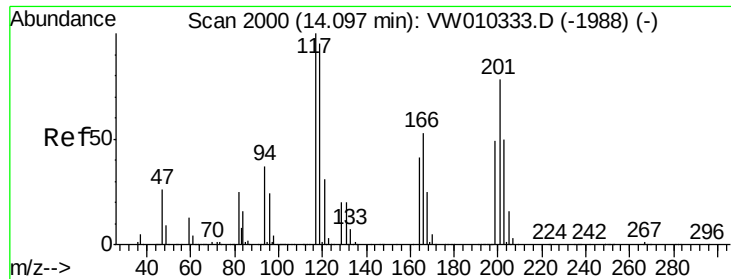


Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V

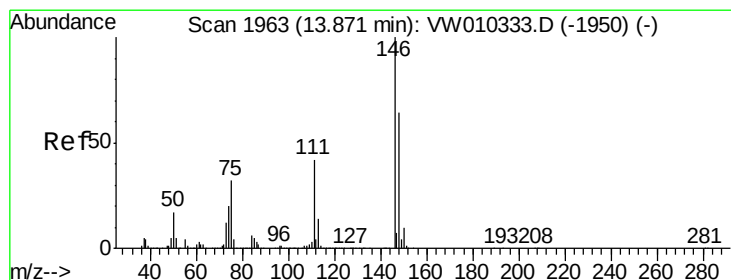
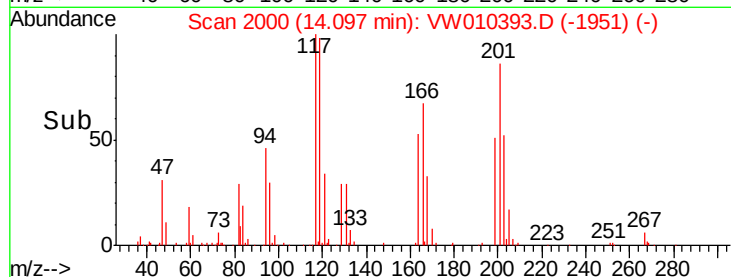
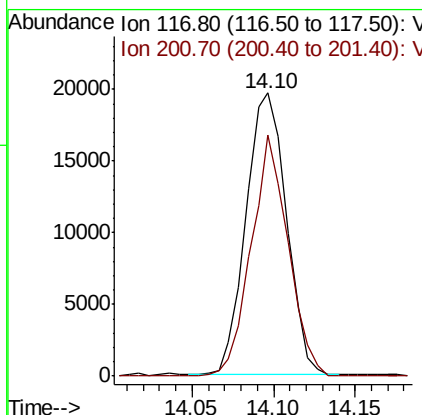
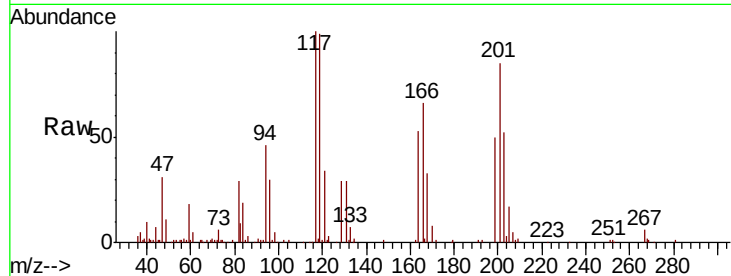




#90
Hexachloroethane
Concen: 29.071 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW010393.D
Acq: 11 May 2019 20:53

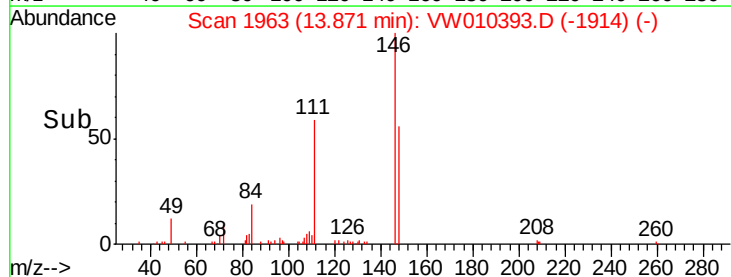
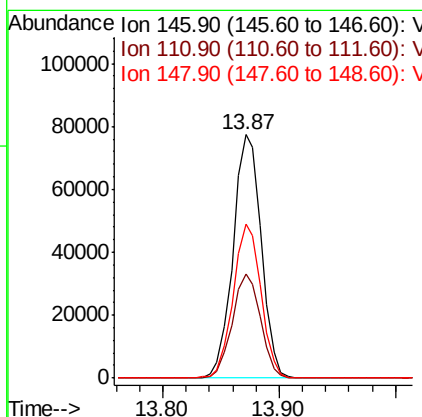
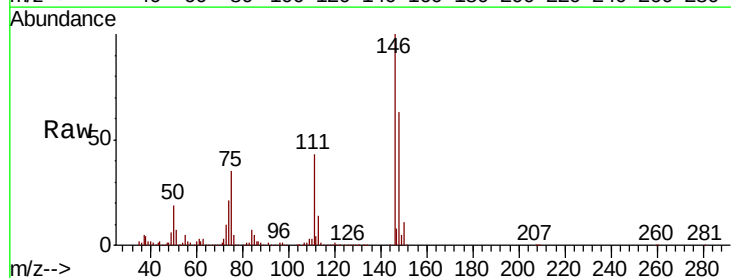
Instrument :
MSVOA_W
ClientSampleId :

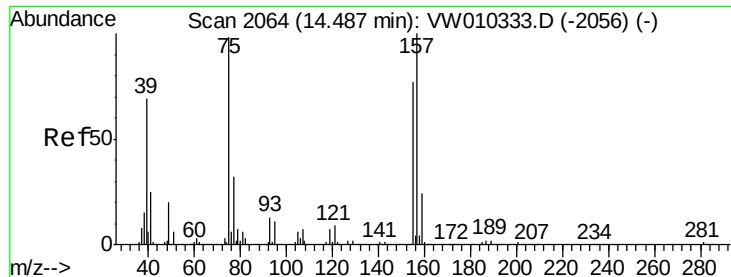
Tot Ion:117 Resp: 34008
Ion Ratio Lower Upper
117 100
201 78.3 36.1 108.3



#91
1,2-Dichlorobenzene
Concen: 47.656 ug/l
RT: 13.87 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VW010393.D
Acq: 11 May 2019 20:53

Tgt Ion:146 Resp: 130160
Ion Ratio Lower Upper
146 100
111 42.9 20.9 62.8
148 62.7 31.9 95.7





#92

1,2-Dibromo-3-Chloropropane

Concen: 114.744 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW010393.D

Acq: 11 May 2019 20:53

Instrument :

MSVOA_W

ClientSampleId :

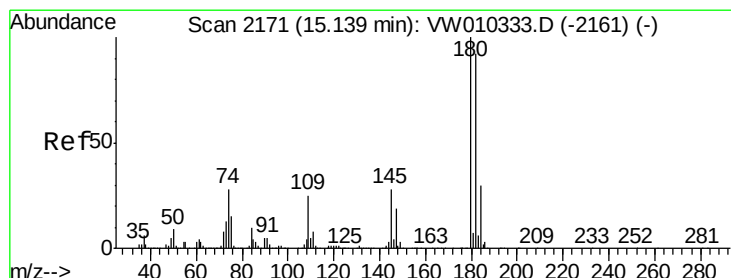
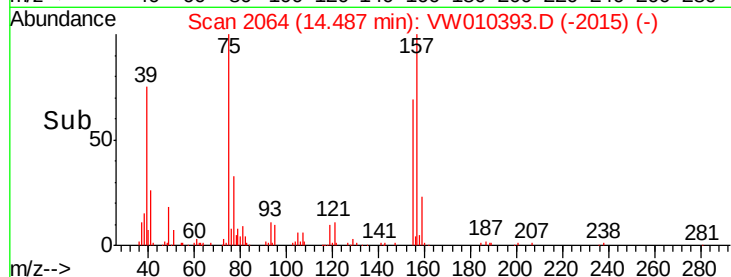
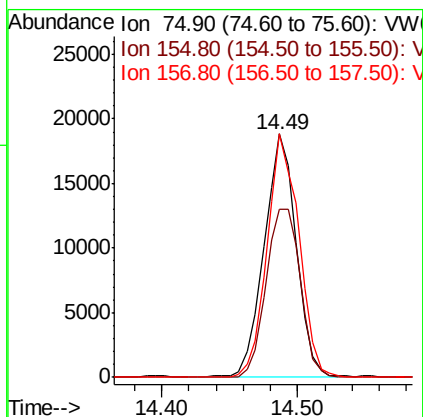
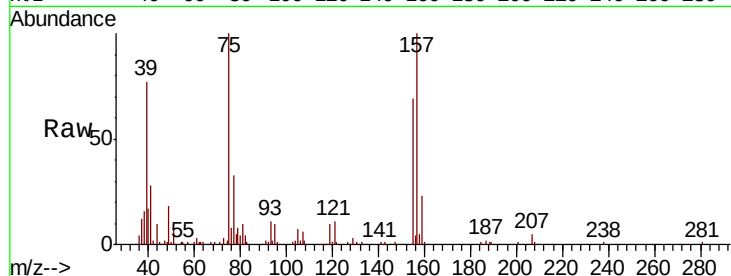
Tot Ion: 75 Resp: 31155

Ion	Ratio	Lower	Upper
75	100		
155	73.6	37.1	111.5
157	99.1	47.3	141.9

75 100

155 73.6 37.1 111.5

157 99.1 47.3 141.9



#93

1,2,4-Trichlorobenzene

Concen: 17.493 ug/l

RT: 15.14 min Scan# 2171

Delta R.T. -0.00 min

Lab File: VW010393.D

Acq: 11 May 2019 20:53

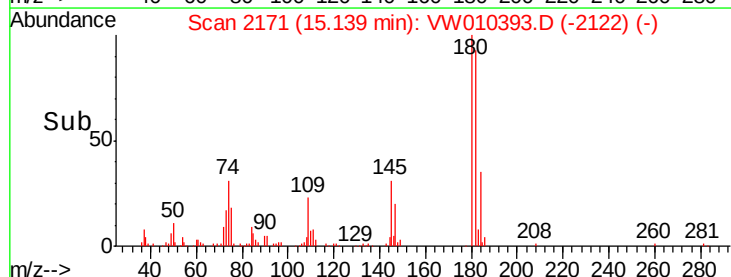
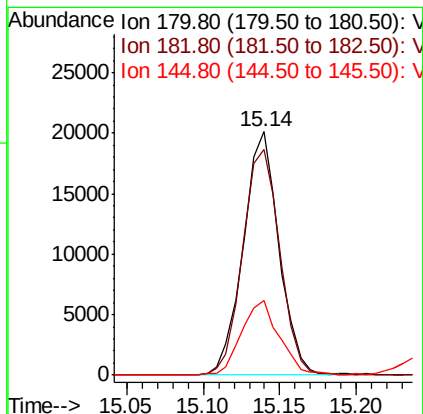
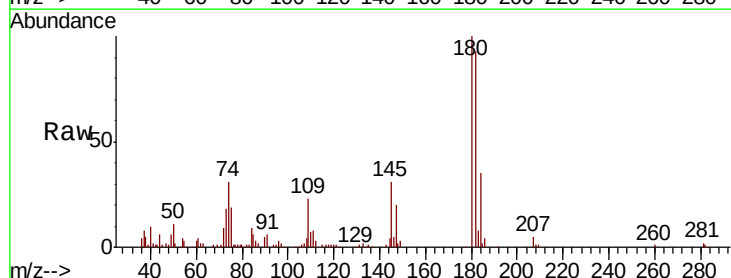
Tgt Ion: 180 Resp: 32607

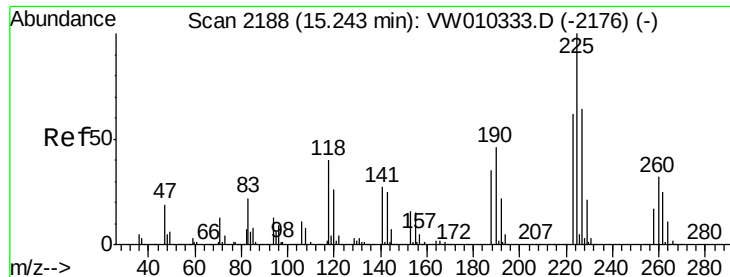
Ion	Ratio	Lower	Upper
180	100		
182	96.7	47.1	141.4
145	32.4	15.2	45.6

180 100

182 96.7 47.1 141.4

145 32.4 15.2 45.6





#94

Hexachlorobutadiene

Concen: 18.215 ug/l

RT: 15.24 min Scan# 2188

Delta R.T. -0.00 min

Lab File: VW010393.D

Acq: 11 May 2019 20:53

Instrument :

MSVOA_W

ClientSampleId :

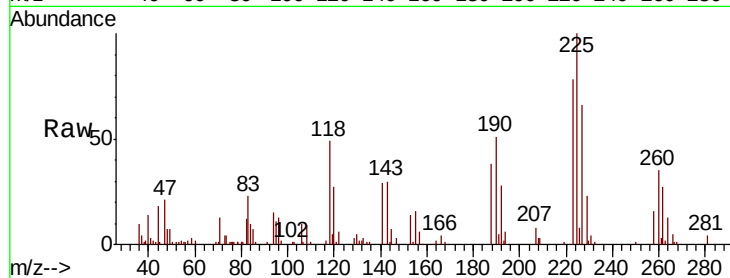
Tot Ion:225 Resp: 21767

Ion Ratio Lower Upper

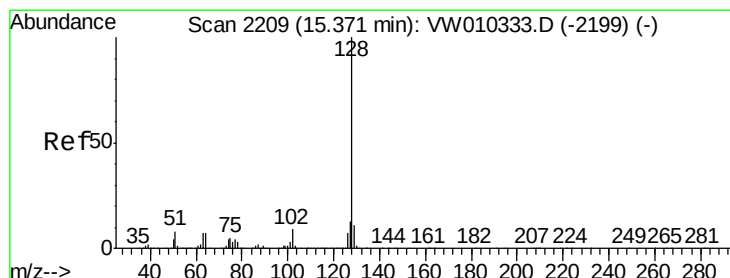
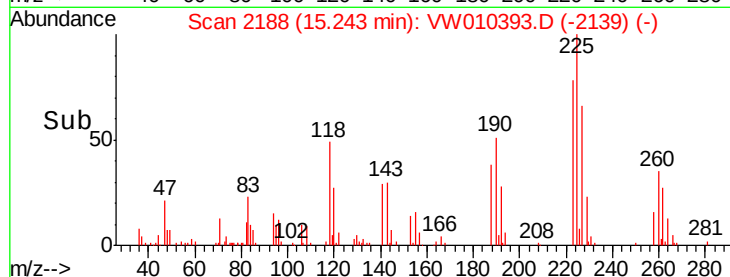
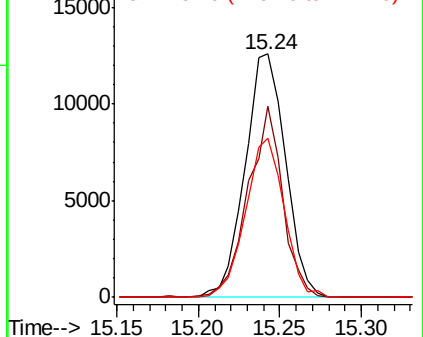
225 100

223 66.9 31.9 95.5

227 62.3 31.8 95.3



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



#95

Naphthalene

Concen: 19.452 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW010393.D

Acq: 11 May 2019 20:53

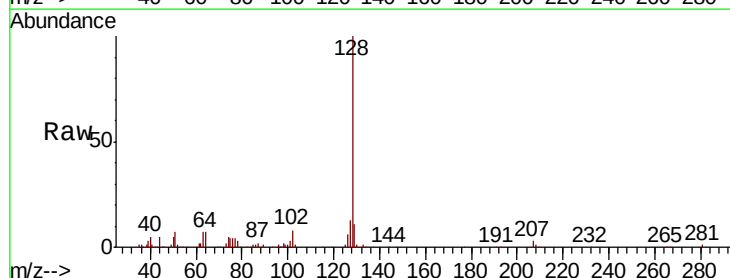
Tgt Ion:128 Resp: 72757

Ion Ratio Lower Upper

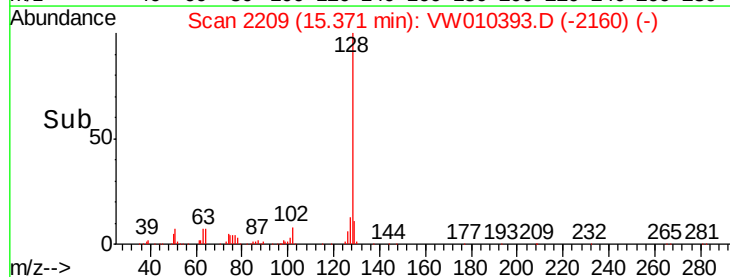
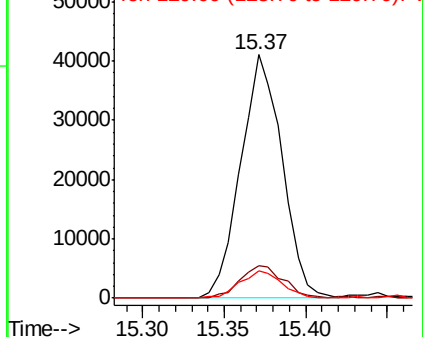
128 100

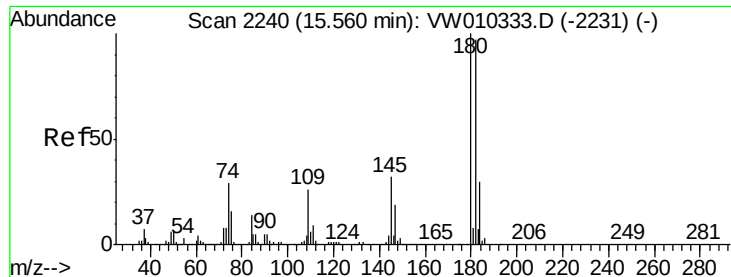
127 14.1 10.6 15.8

129 11.5 8.7 13.1



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

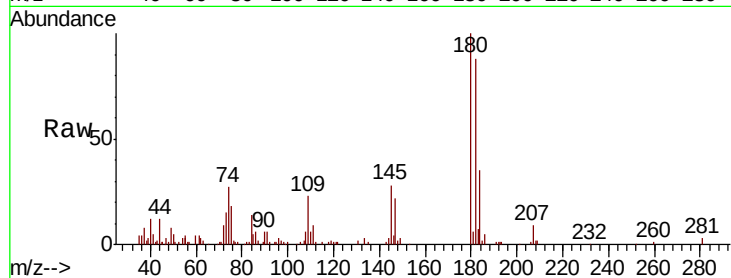




#96
 1,2,3-Trichlorobenzene
 Concen: 16.073 ug/l
 RT: 15.56 min Scan# 2240
 Delta R.T. -0.00 min
 Lab File: VW010393.D
 Acq: 11 May 2019 20:53

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.9	47.8	143.3
145	32.2	16.4	49.2



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

