

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW051119\
 Data File : VW010379.D
 Acq On : 11 May 2019 14:16
 Operator : SY/VA
 Sample : VW0511SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: May 12 00:26:11 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	1394809	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	2258776	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	2046152	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	1026997	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	779999	52.60	ug/l	0.00
Spiked Amount						
			Recovery	=	105.20%	
35) Dibromofluoromethane	7.88	113	682159	51.61	ug/l	0.00
Spiked Amount						
			Recovery	=	103.22%	
50) Toluene-d8	10.32	98	2732723	50.77	ug/l	0.00
Spiked Amount						
			Recovery	=	101.54%	
62) 4-Bromofluorobenzene	12.62	95	994012	52.46	ug/l	0.00
Spiked Amount						
			Recovery	=	104.92%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	201885	19.124	ug/l 100
3) Chloromethane	2.21	50	266792	18.686	ug/l 98
4) Vinyl Chloride	2.37	62	353364	19.914	ug/l 98
5) Bromomethane	2.77	94	204138	19.950	ug/l 99
6) Chloroethane	2.92	64	210521	20.515	ug/l 98
7) Trichlorofluoromethane	3.25	101	154770	17.423	ug/l 97
8) Diethyl Ether	3.67	74	174084	22.292	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	298172	20.485	ug/l 96
10) Methyl Iodide	4.27	142	426107	20.673	ug/l 94
11) Tert butyl alcohol	5.18	59	99128	94.658	ug/l 100
12) 1,1-Dichloroethene	4.03	96	311588	20.486	ug/l 98
13) Acrolein	3.89	56	110373	79.830	ug/l 97
14) Allyl chloride	4.65	41	463257	20.405	ug/l 93
15) Acrylonitrile	5.36	53	404704	93.501	ug/l 99
16) Acetone	4.12	43	364243	94.223	ug/l 94
17) Carbon Disulfide	4.37	76	894595	19.448	ug/l 98
18) Methyl Acetate	4.67	43	182961	19.108	ug/l 95
19) Methyl tert-butyl Ether	5.42	73	415254	22.935	ug/l 96
20) Methylene Chloride	4.92	84	343875	21.327	ug/l 95
21) trans-1,2-Dichloroethene	5.42	96	338456	20.673	ug/l 98
22) Diisopropyl ether	6.31	45	1069422	24.271	ug/l 94
23) Vinyl Acetate	6.25	43	3400282	112.387	ug/l 97
24) 1,1-Dichloroethane	6.21	63	647267	21.819	ug/l 99
25) 2-Butanone	7.17	43	560604	94.796	ug/l 99
26) 2,2-Dichloropropane	7.16	77	319139	21.622	ug/l 97
27) cis-1,2-Dichloroethene	7.17	96	367207	21.810	ug/l 97
28) Bromochloromethane	7.51	49	272241	24.892	ug/l 98
29) Tetrahydrofuran	7.53	42	363107	94.928	ug/l 96
30) Chloroform	7.67	83	625822	22.542	ug/l 98
31) Cyclohexane	7.95	56	622206	20.484	ug/l 96
32) 1,1,1-Trichloroethane	7.87	97	461390	21.455	ug/l 99
36) 1,1-Dichloropropene	8.08	75	510736	20.854	ug/l 99
37) Ethyl Acetate	7.26	43	251690	19.301	ug/l 97
38) Carbon Tetrachloride	8.07	117	435316	20.735	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	610181	20.366	ug/l	98
40) Benzene	8.32	78	1441213	21.487	ug/l	99
41) Methacrylonitrile	7.48	41	140897	19.267	ug/l	95
42) 1,2-Dichloroethane	8.40	62	433740	22.592	ug/l	97
43) Isopropyl Acetate	8.43	43	447320	20.684	ug/l	97
44) Trichloroethene	9.09	130	352104	20.969	ug/l	97
45) 1,2-Dichloropropane	9.37	63	377807	22.661	ug/l	95
46) Dibromomethane	9.46	93	186876	21.697	ug/l	98
47) Bromodichloromethane	9.64	83	463638	22.440	ug/l	98
48) Methyl methacrylate	9.43	41	211454	20.679	ug/l	86
49) 1,4-Dioxane	9.45	88	57143	380.433	ug/l #	93
51) 4-Methyl-2-Pentanone	10.21	43	1250027	100.802	ug/l	95
52) Toluene	10.38	92	898337	21.913	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	461715	22.062	ug/l	95
54) cis-1,3-Dichloropropene	10.07	75	557129	22.479	ug/l	91
55) 1,1,2-Trichloroethane	10.79	97	266344	21.772	ug/l	95
56) Ethyl methacrylate	10.65	69	358163	22.171	ug/l #	88
57) 1,3-Dichloropropane	10.93	76	485556	22.202	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	913613	118.119	ug/l	100
59) 2-Hexanone	10.97	43	870032	99.230	ug/l	93
60) Dibromochloromethane	11.13	129	292583	22.226	ug/l	100
61) 1,2-Dibromoethane	11.24	107	253935	21.623	ug/l	98
64) Tetrachloroethene	10.86	164	293504	20.523	ug/l	98
65) Chlorobenzene	11.66	112	922573	21.781	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	315233	22.020	ug/l	97
67) Ethyl Benzene	11.73	91	1698009	21.792	ug/l	99
68) m/p-Xylenes	11.84	106	1284354	44.364	ug/l	99
69) o-Xylene	12.16	106	580643	22.171	ug/l	99
70) Styrene	12.18	104	1032511	22.627	ug/l	99
71) Bromoform	12.35	173	167976	20.526	ug/l	98
73) Isopropylbenzene	12.47	105	1616299	21.592	ug/l	99
74) N-amyl acetate	12.27	43	413167	21.364	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.71	83	332157	20.138	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	419313	35.019	ug/l #	100
77) Bromobenzene	12.75	156	367060	21.716	ug/l	98
78) n-propylbenzene	12.80	91	2013570	21.779	ug/l	99
79) 2-Chlorotoluene	12.90	91	1142838	21.706	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	1394986	22.104	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	100149	18.888	ug/l	97
82) 4-Chlorotoluene	12.99	91	1205164	21.846	ug/l	99
83) tert-Butylbenzene	13.21	119	1114653	21.176	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	1414538	22.556	ug/l	99
85) sec-Butylbenzene	13.38	105	1663745	21.411	ug/l	100
86) p-Isopropyltoluene	13.50	119	1516055	21.974	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	738742	21.888	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	727945	21.733	ug/l	99
89) n-Butylbenzene	13.83	91	1496428	21.631	ug/l	99
90) Hexachloroethane	14.10	117	261786	20.457	ug/l	94
91) 1,2-Dichlorobenzene	13.87	146	658872	22.052	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	54442	18.330	ug/l	98

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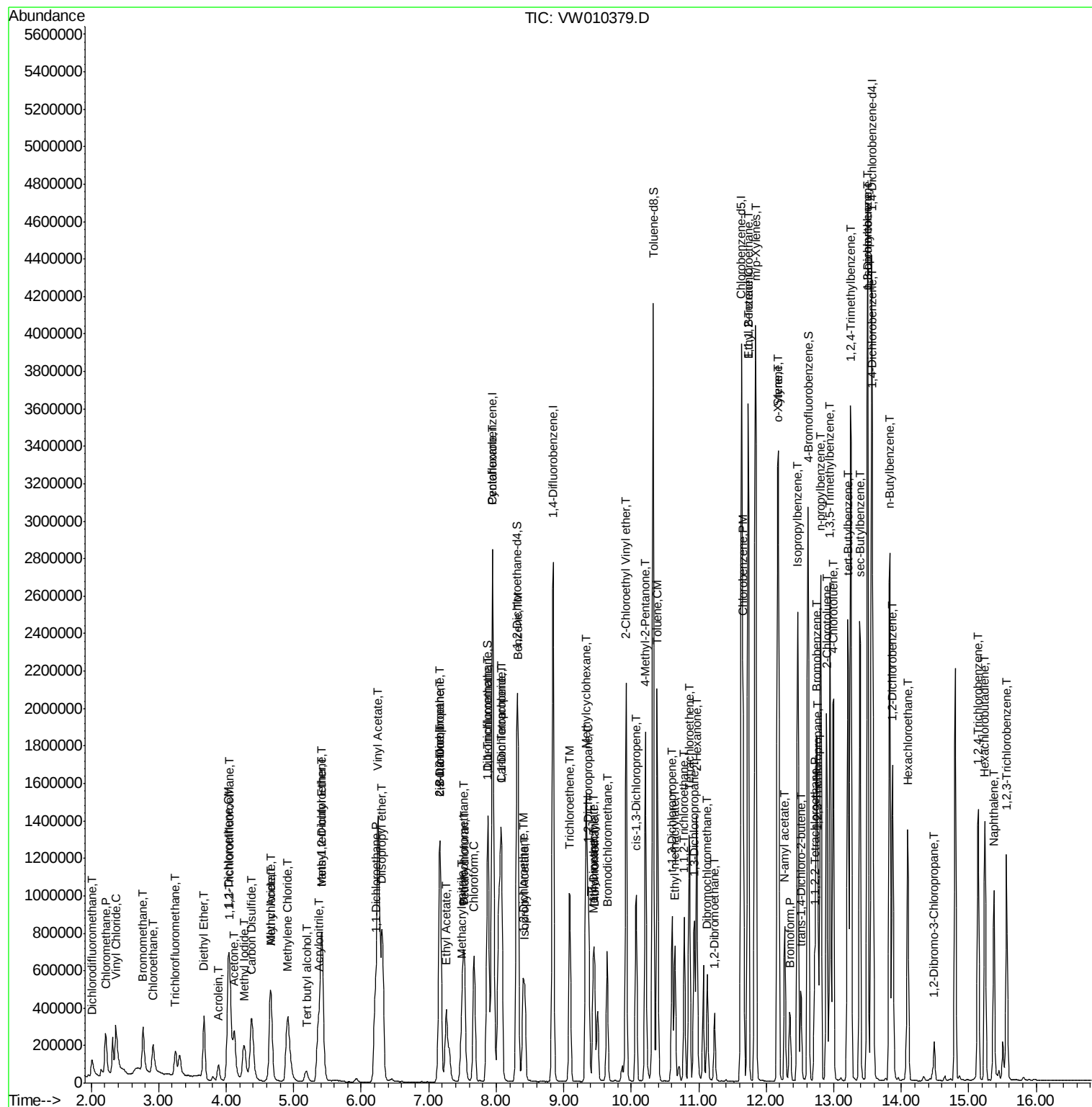
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	456594	22.392	ug/l	99
94) Hexachlorobutadiene	15.24	225	274090	20.967	ug/l	99
95) Naphthalene	15.37	128	860853	20.746	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	417760	22.678	ug/l	98

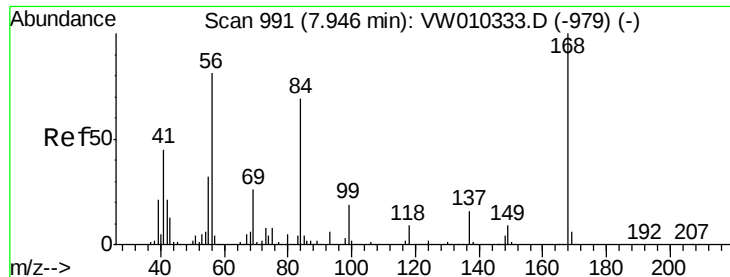
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW010379.D

Acq: 11 May 2019 14:16

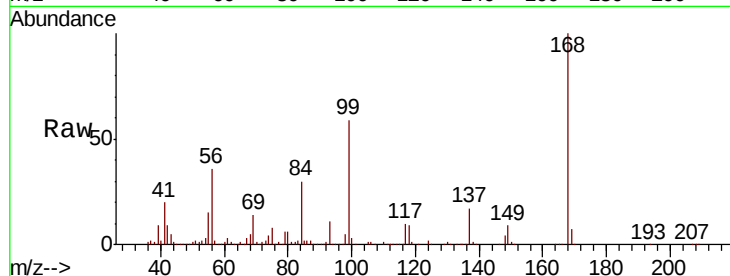
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 1394809

Ion Ratio Lower Upper

168 100

99 59.4 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

600000

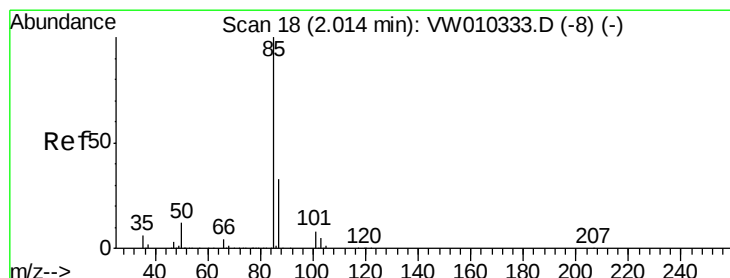
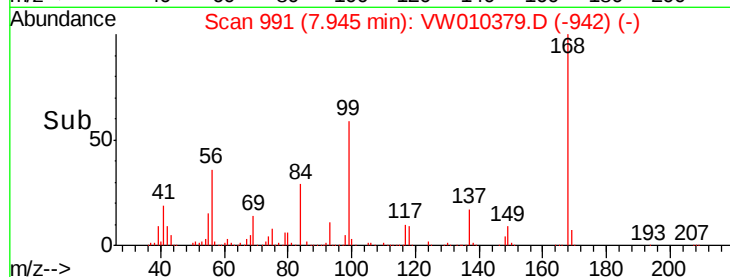
400000

200000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 19.124 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW010379.D

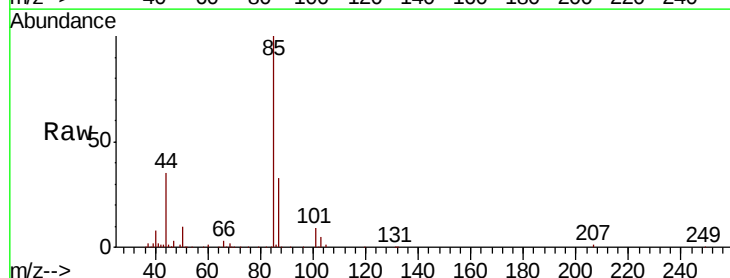
Acq: 11 May 2019 14:16

Tgt Ion: 85 Resp: 201885

Ion Ratio Lower Upper

85 100

87 32.7 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

60000

50000

40000

30000

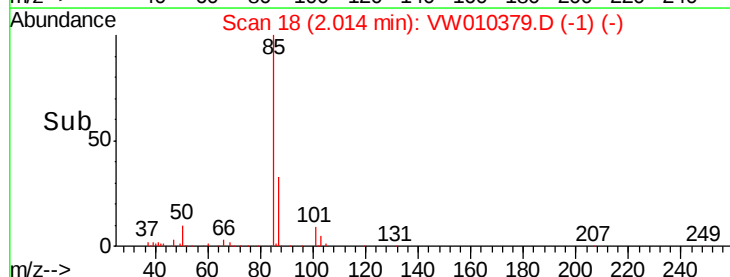
20000

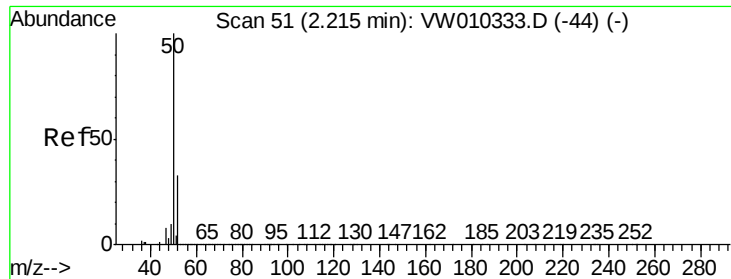
10000

0

1.90 2.00 2.10 2.20 2.30

Time-->





#3

Chloromethane

Concen: 18.686 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW010379.D

Acq: 11 May 2019 14:16

Instrument :

MSVOA_W

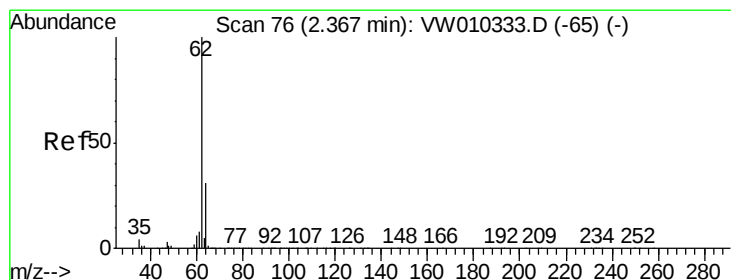
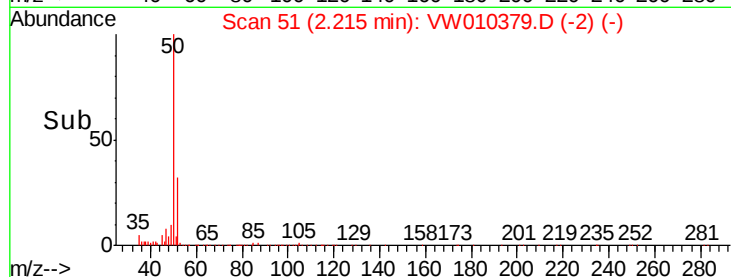
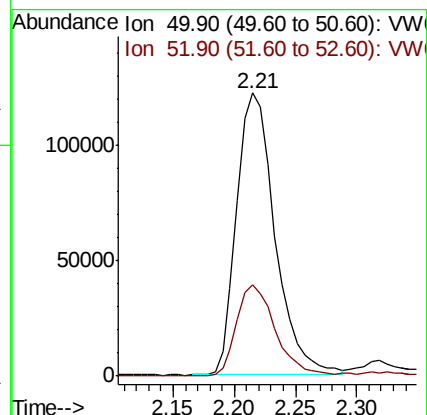
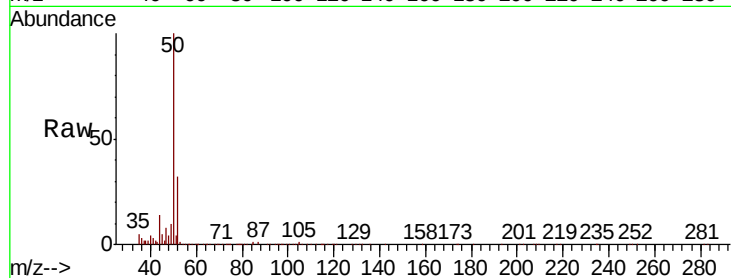
ClientSampleId :

Tot Ion: 50 Resp: 266792

Ion Ratio Lower Upper

50 100

52 32.3 25.0 37.6



#4

Vinyl Chloride

Concen: 19.914 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW010379.D

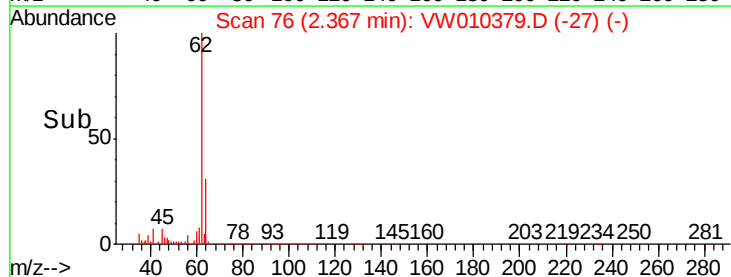
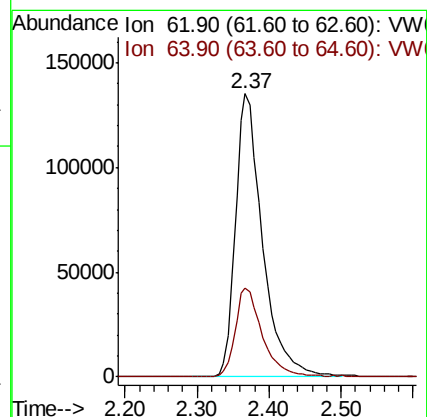
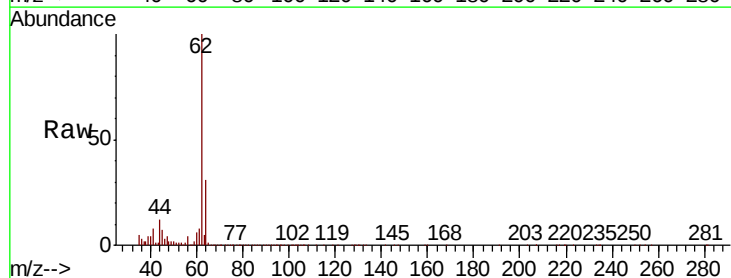
Acq: 11 May 2019 14:16

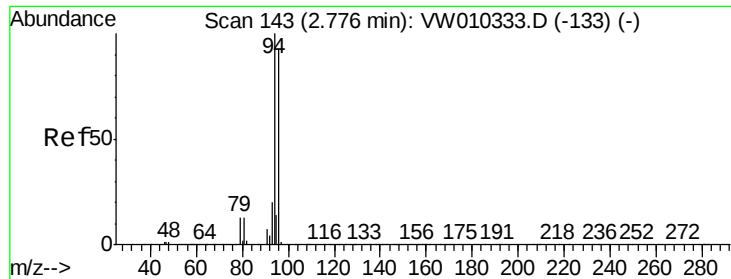
Tgt Ion: 62 Resp: 353364

Ion Ratio Lower Upper

62 100

64 31.1 25.9 38.9





#5

Bromomethane

Concen: 19.950 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW010379.D

Acq: 11 May 2019 14:16

Instrument :

MSVOA_W

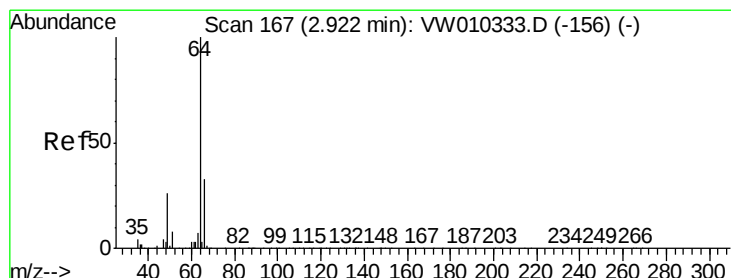
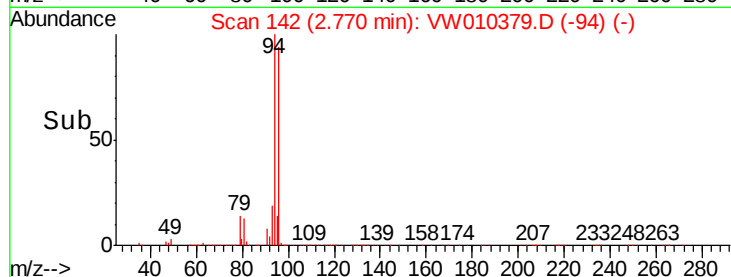
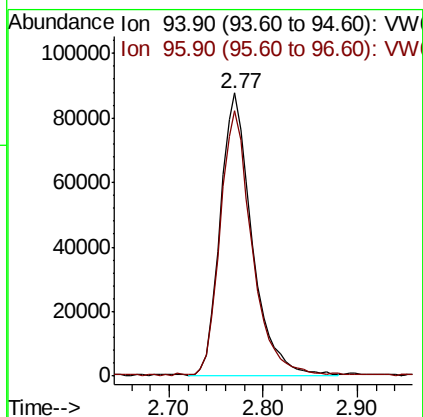
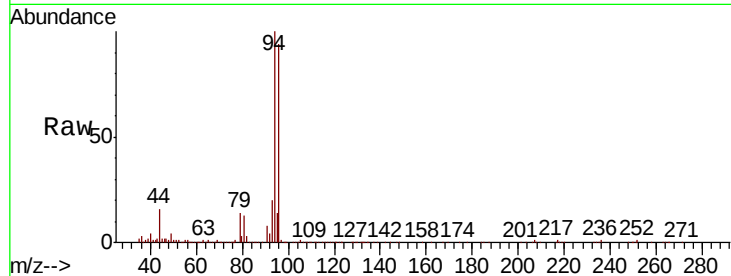
ClientSampleId :

Tot Ion: 94 Resp: 204138

Ion Ratio Lower Upper

94 100

96 93.7 74.2 111.2



#6

Chloroethane

Concen: 20.515 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW010379.D

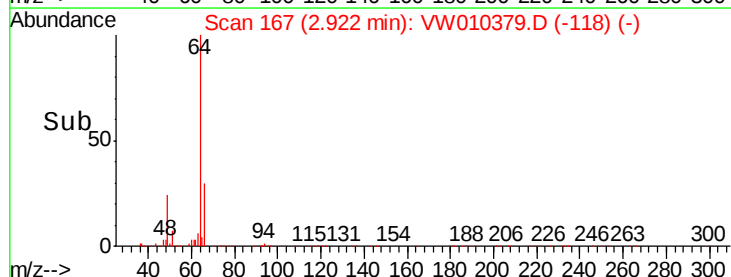
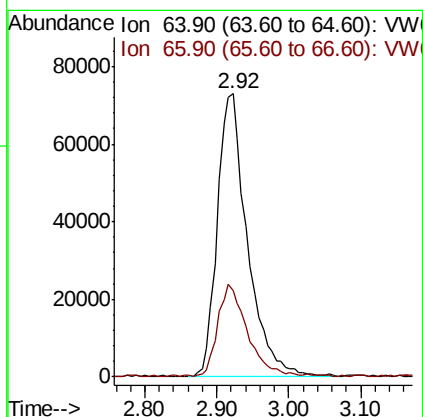
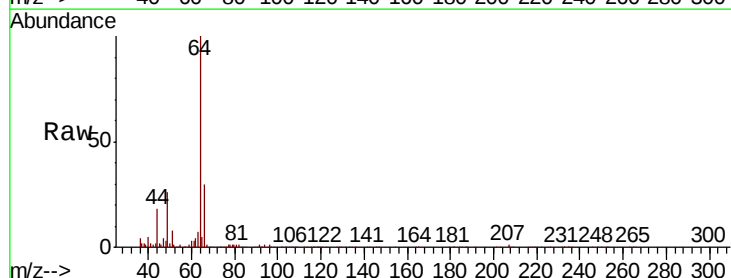
Acq: 11 May 2019 14:16

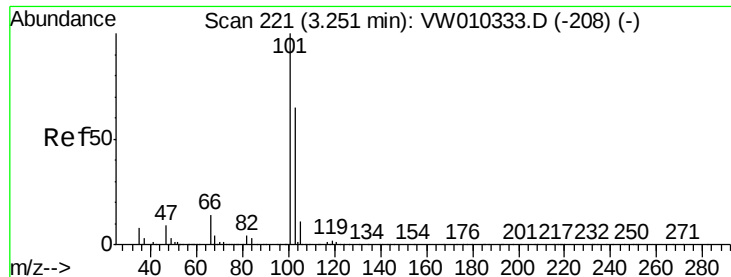
Tgt Ion: 64 Resp: 210521

Ion Ratio Lower Upper

64 100

66 30.5 23.4 35.0



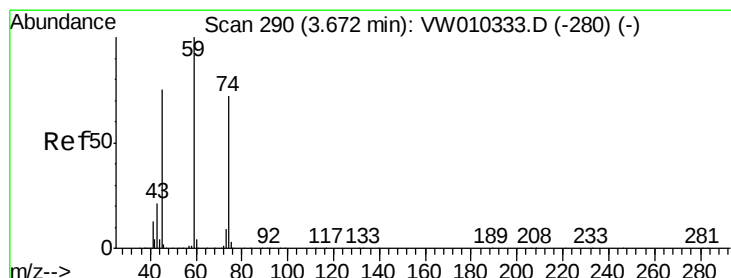
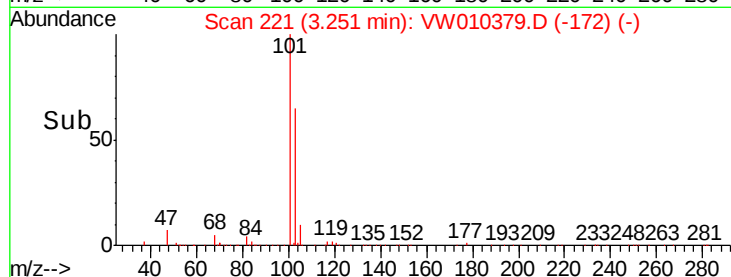
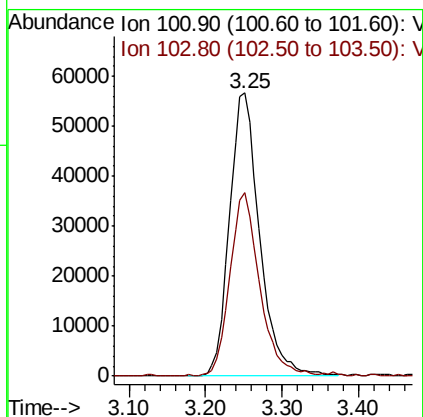
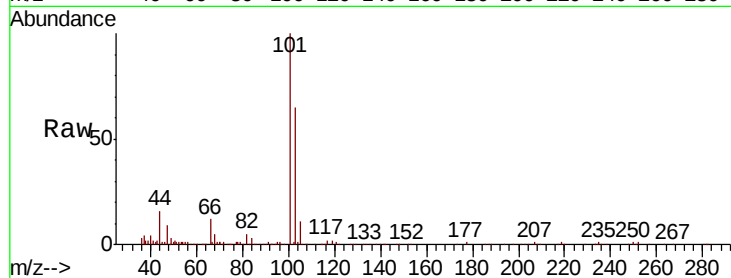


#7

Trichlorofluoromethane
Concen: 17.423 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.00 min
Lab File: VW010379.D
Acq: 11 May 2019 14:16

Instrument :
MSVOA_W
ClientSampleId :

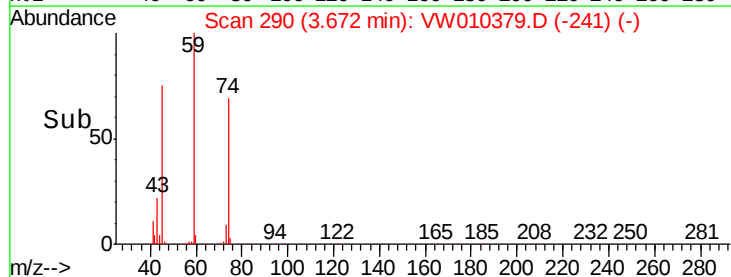
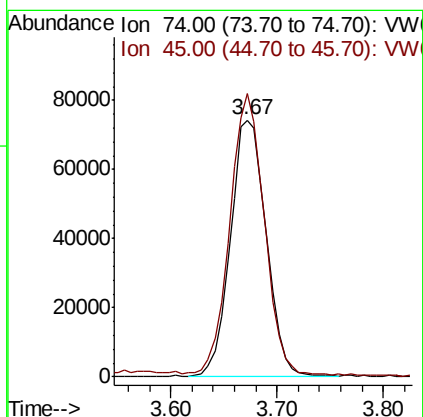
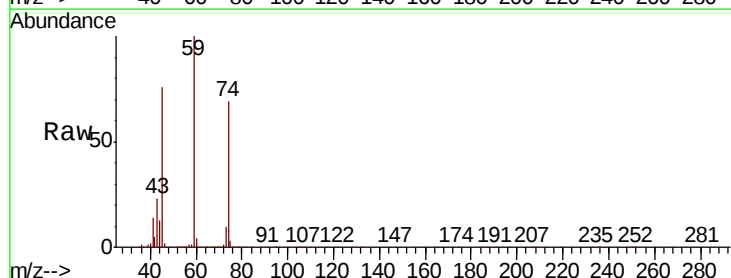
Tot Ion:101 Resp: 154770
Ion Ratio Lower Upper
101 100
103 64.5 49.8 74.6

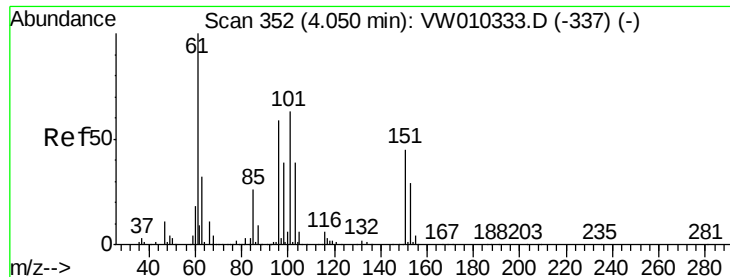


#8

Diethyl Ether
Concen: 22.292 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.00 min
Lab File: VW010379.D
Acq: 11 May 2019 14:16

Tgt Ion: 74 Resp: 174084
Ion Ratio Lower Upper
74 100
45 106.6 56.0 168.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.485 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.01 min

Lab File: VW010379.D

Acq: 11 May 2019 14:16

Instrument :

MSVOA_W

ClientSampleId :

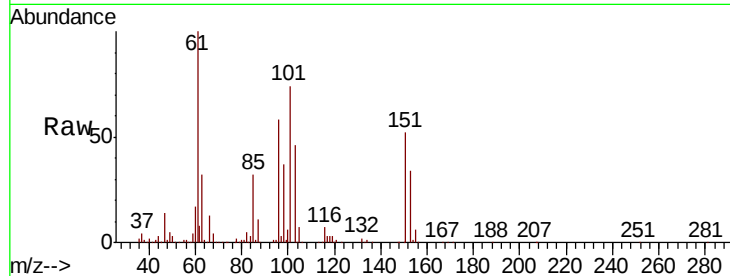
Tot Ion:101 Resp: 298172

Ion Ratio Lower Upper

101 100

85 41.1 36.3 54.5

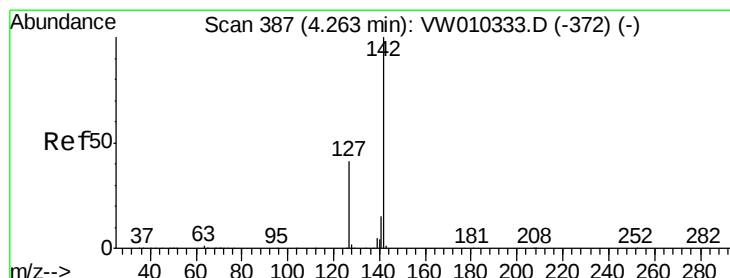
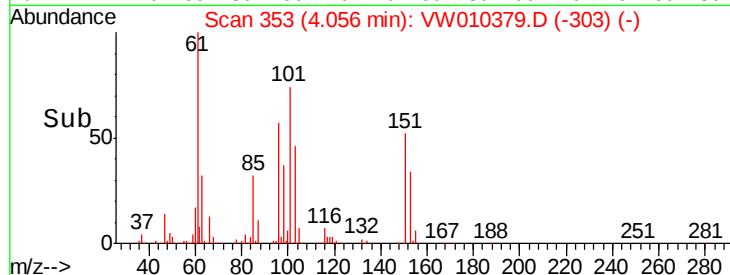
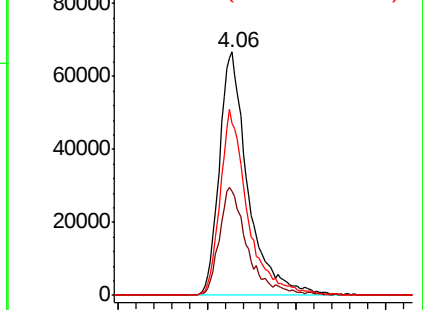
151 73.0 60.2 90.2



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: 20.673 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.01 min

Lab File: VW010379.D

Acq: 11 May 2019 14:16

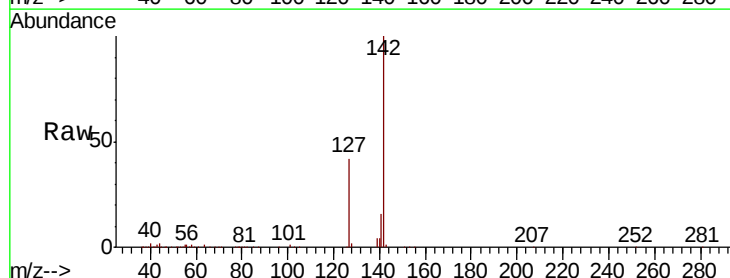
Tgt Ion:142 Resp: 426107

Ion Ratio Lower Upper

142 100

127 42.5 38.1 57.1

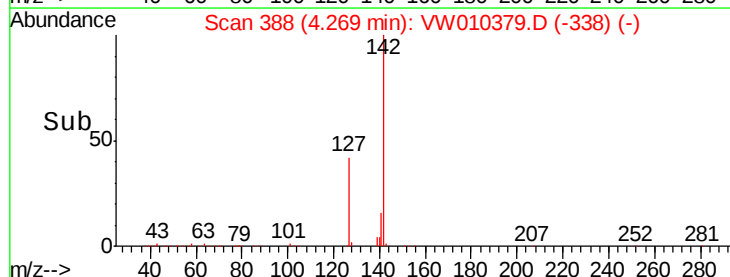
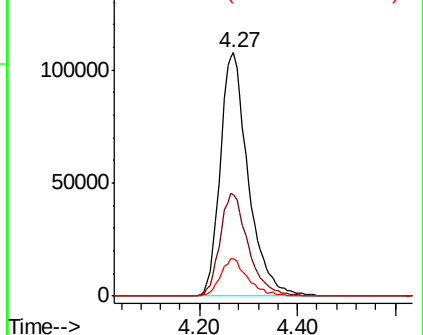
141 15.1 12.2 18.2

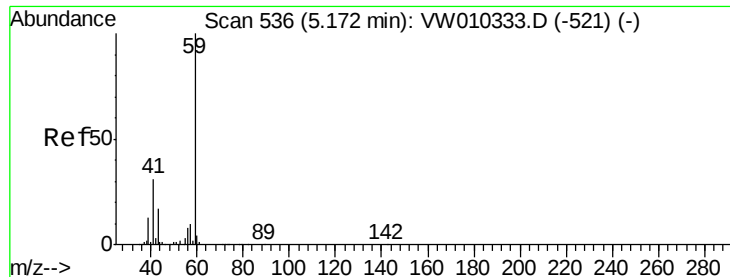


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

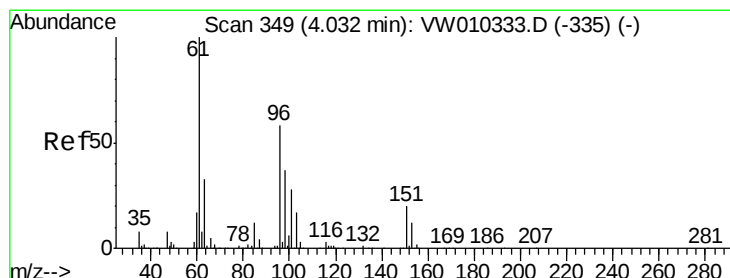
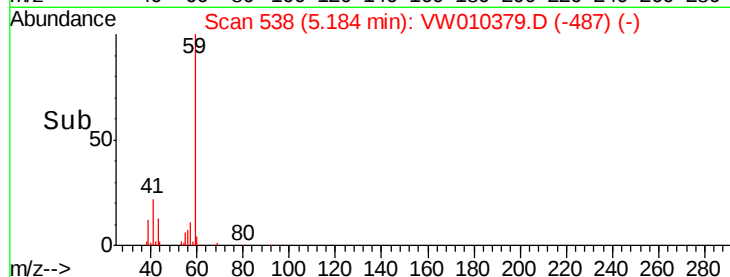
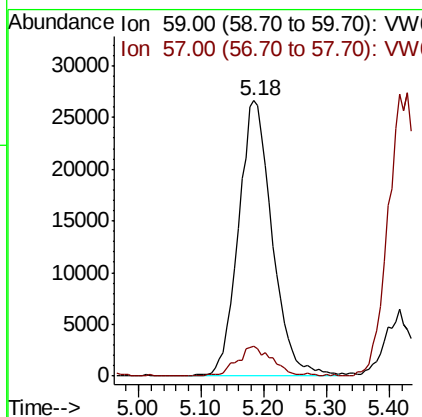
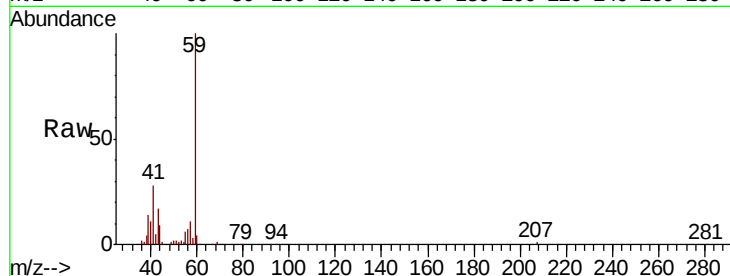




#11
Tert butyl alcohol
Concen: 94.658 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.01 min
Lab File: VW010379.D
Acq: 11 May 2019 14:16

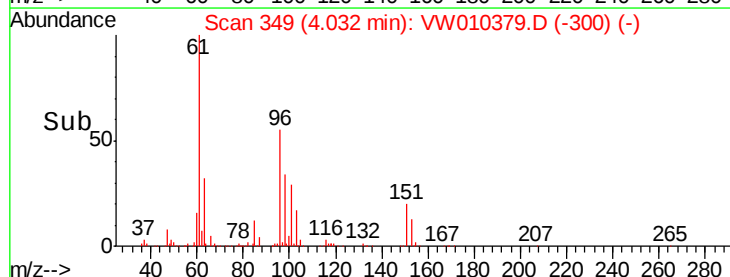
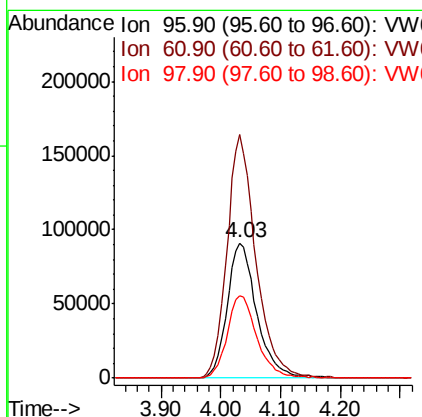
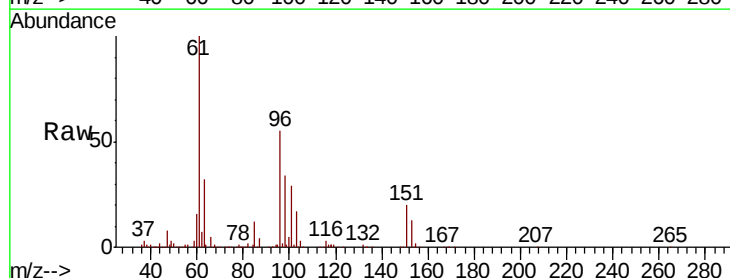
Instrument :
MSVOA_W
ClientSampleId :

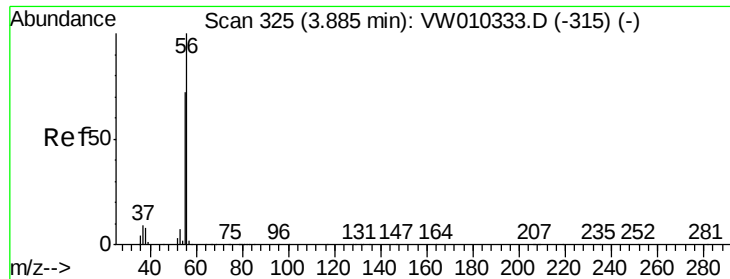
Tot Ion: 59 Resp: 99128
Ion Ratio Lower Upper
59 100
57 11.1 9.0 13.4



#12
1,1-Dichloroethene
Concen: 20.486 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.00 min
Lab File: VW010379.D
Acq: 11 May 2019 14:16

Tgt Ion: 96 Resp: 311588
Ion Ratio Lower Upper
96 100
61 180.6 147.4 221.2
98 61.4 49.7 74.5





#13

Acrolein

Concen: 79.830 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.00 min

Lab File: VW010379.D

Acq: 11 May 2019 14:16

Instrument :

MSVOA_W

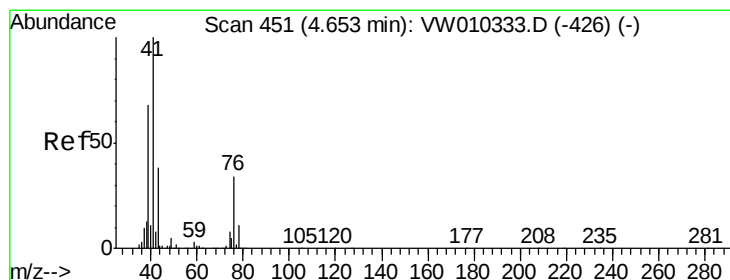
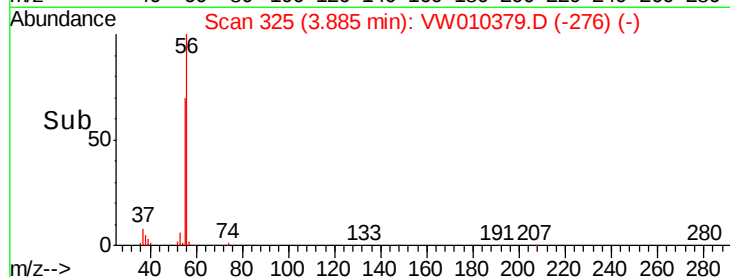
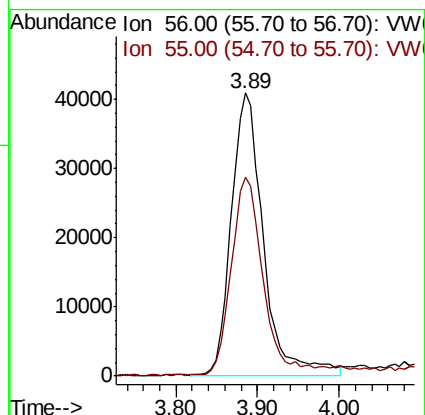
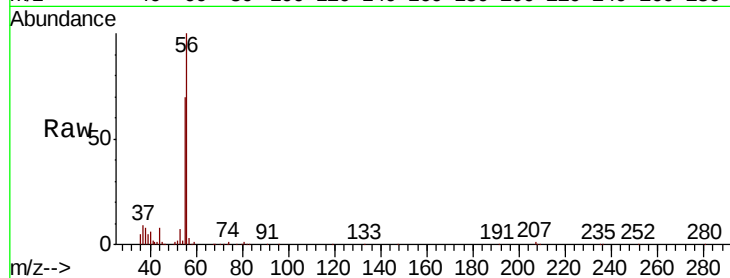
ClientSampleId :

Tot Ion: 56 Resp: 110373

Ion Ratio Lower Upper

56 100

55 70.3 54.2 81.2



#14

Allyl chloride

Concen: 20.405 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.00 min

Lab File: VW010379.D

Acq: 11 May 2019 14:16

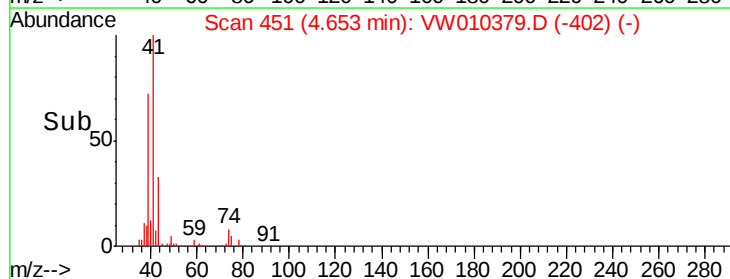
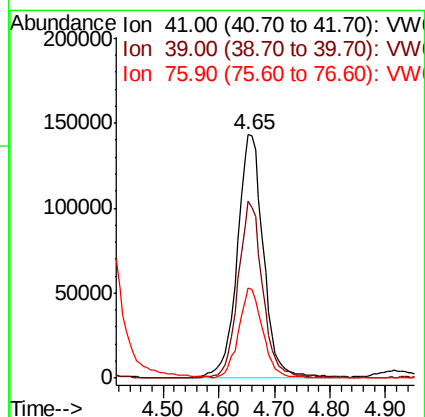
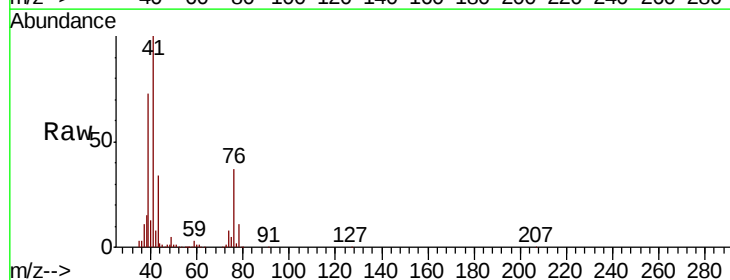
Tgt Ion: 41 Resp: 463257

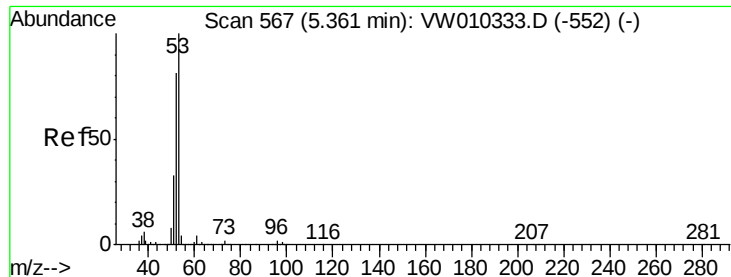
Ion Ratio Lower Upper

41 100

39 68.1 60.2 90.4

76 34.1 25.0 37.6





#15

Acrylonitrile

Concen: 93.501 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.00 min

Lab File: VW010379.D

Acq: 11 May 2019 14:16

Instrument :
MSVOA_W
ClientSampleId :

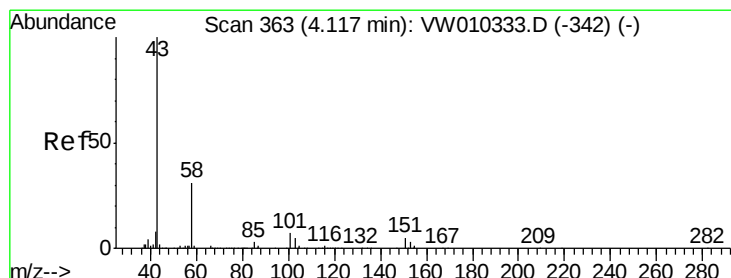
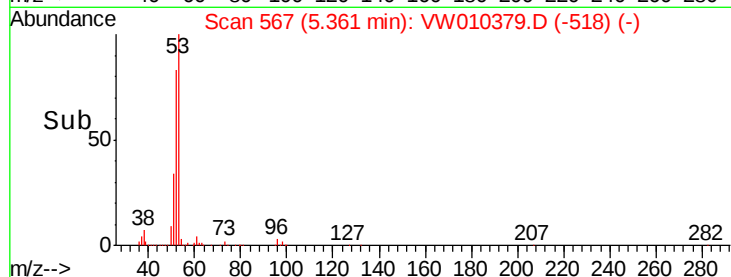
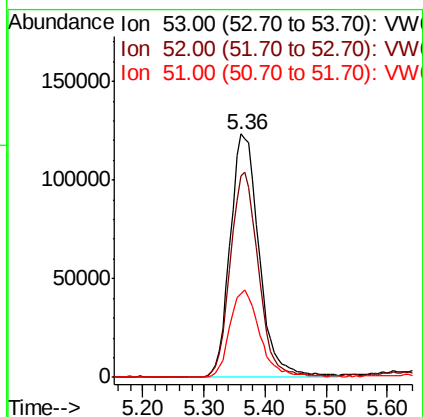
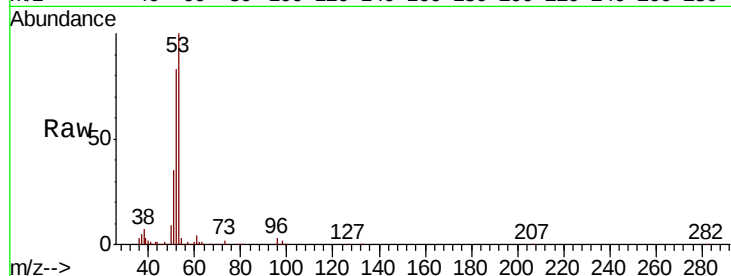
Tot Ion: 53 Resp: 404704

Ion Ratio Lower Upper

53 100

52 82.0 66.6 100.0

51 36.9 30.3 45.5



#16

Acetone

Concen: 94.223 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW010379.D

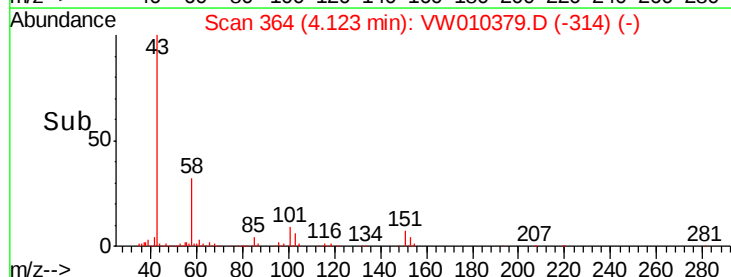
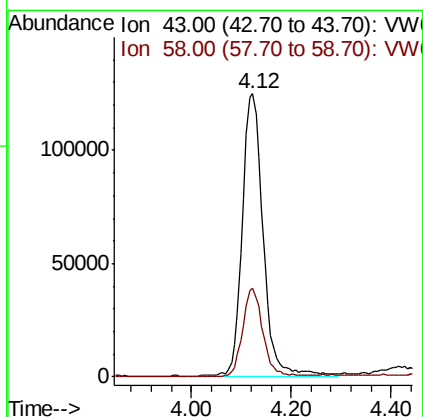
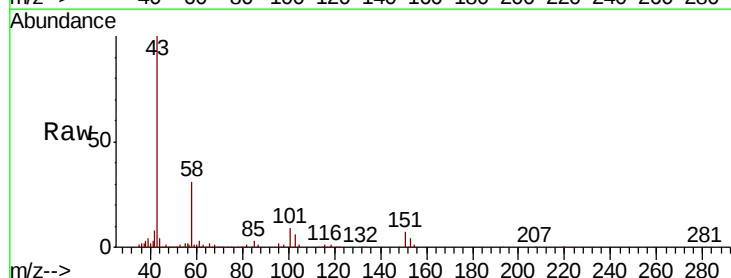
Acq: 11 May 2019 14:16

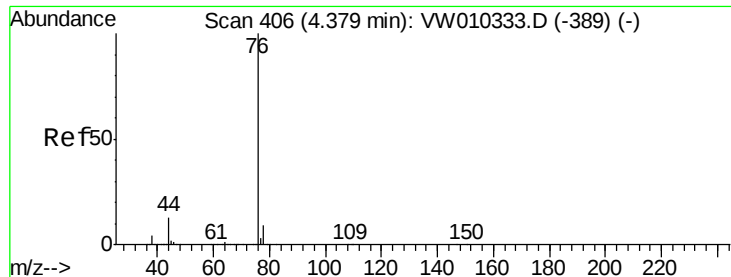
Tgt Ion: 43 Resp: 364243

Ion Ratio Lower Upper

43 100

58 31.4 22.7 34.1

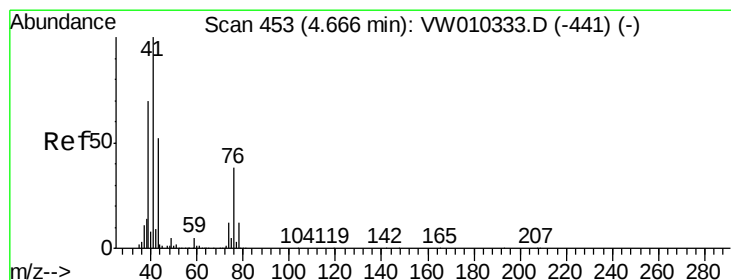
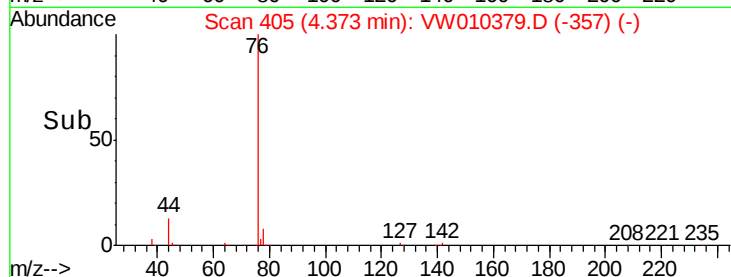
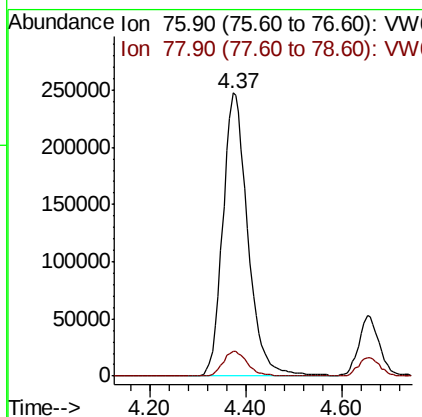
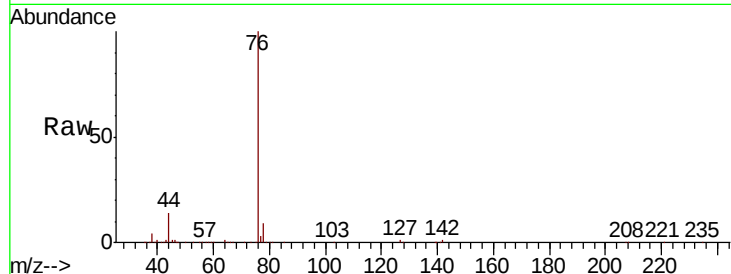




#17
Carbon Disulfide
Concen: 19.448 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW010379.D
Acq: 11 May 2019 14:16

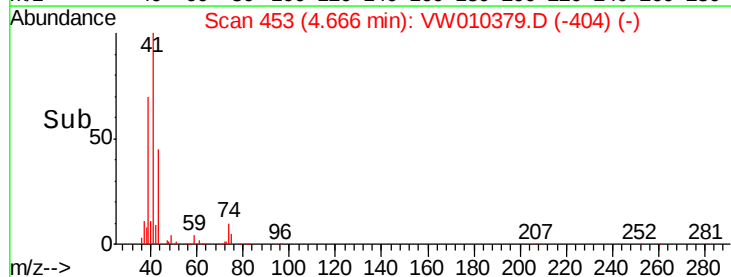
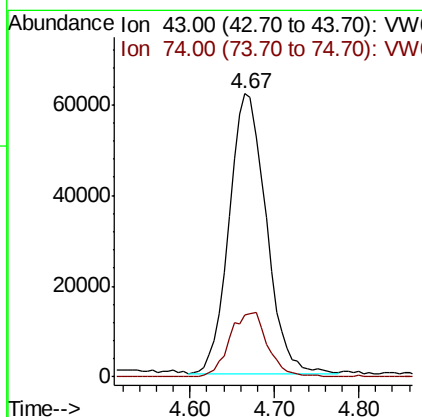
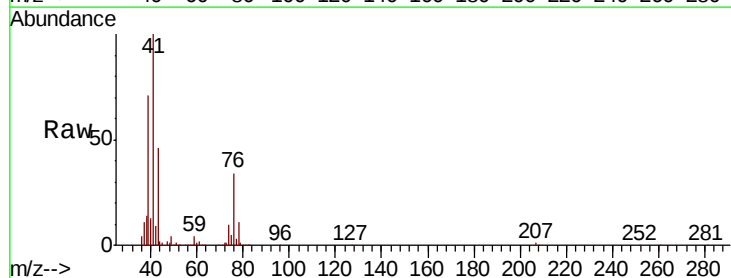
Instrument :
MSVOA_W
ClientSampled :

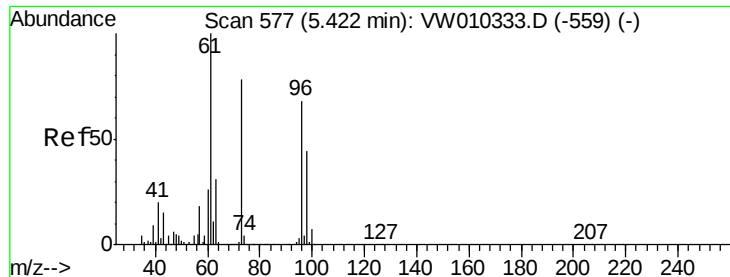
Tot Ion: 76 Resp: 894595
Ion Ratio Lower Upper
76 100
78 8.7 7.4 11.2



#18
Methyl Acetate
Concen: 19.108 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW010379.D
Acq: 11 May 2019 14:16

Tgt Ion: 43 Resp: 182961
Ion Ratio Lower Upper
43 100
74 23.6 16.8 25.2

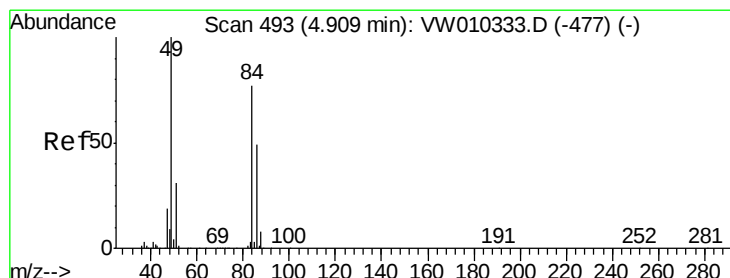
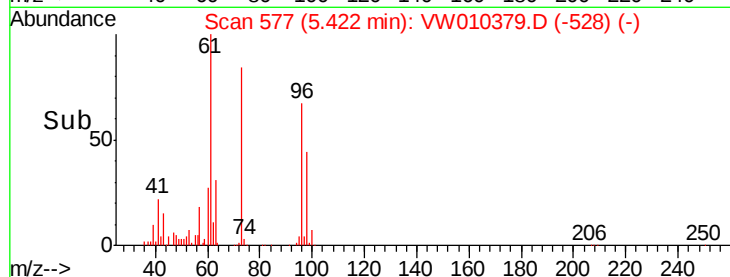
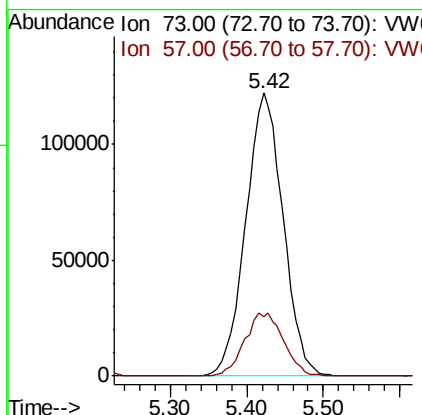
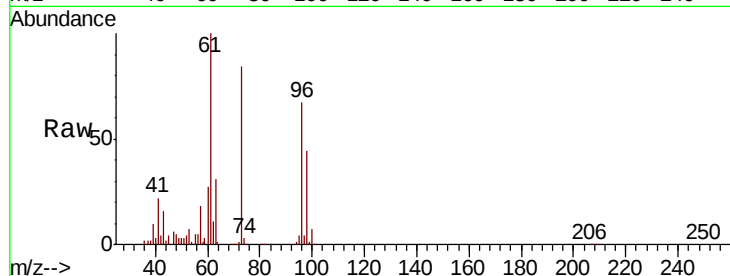




#19
Methvl tert-butvl Ether
Concen: 22.935 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW010379.D
Acq: 11 May 2019 14:16

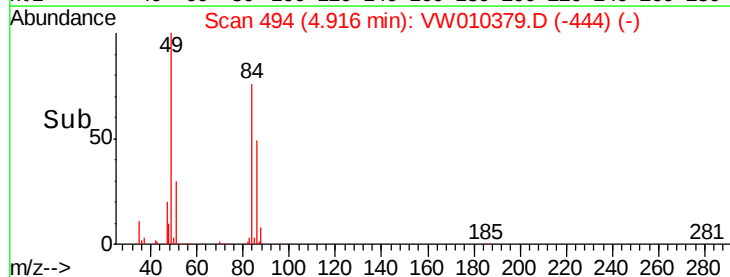
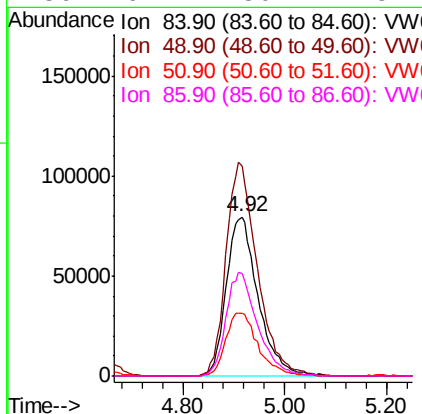
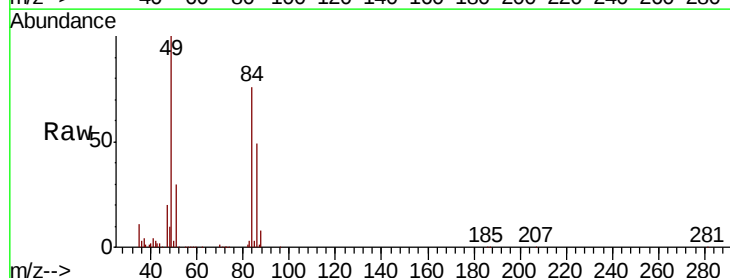
Instrument :
MSVOA_W
ClientSampleId :

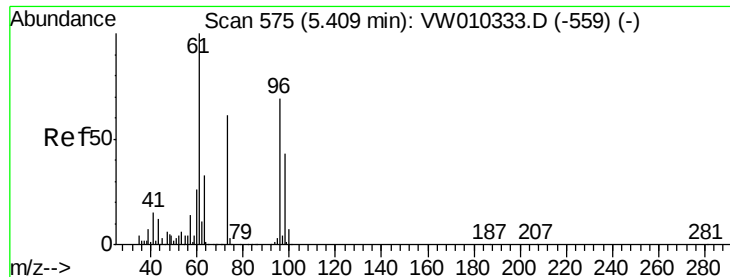
Tot Ion: 73 Resp: 415254
Ion Ratio Lower Upper
73 100
57 21.0 18.5 27.7



#20
Methylene Chloride
Concen: 21.327 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW010379.D
Acq: 11 May 2019 14:16

Tgt Ion: 84 Resp: 343875
Ion Ratio Lower Upper
84 100
49 131.8 112.3 168.5
51 39.5 33.9 50.9
86 64.1 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 20.673 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.01 min

Lab File: VW010379.D

Acq: 11 May 2019 14:16

Instrument :
MSVOA_W
ClientSampleId :

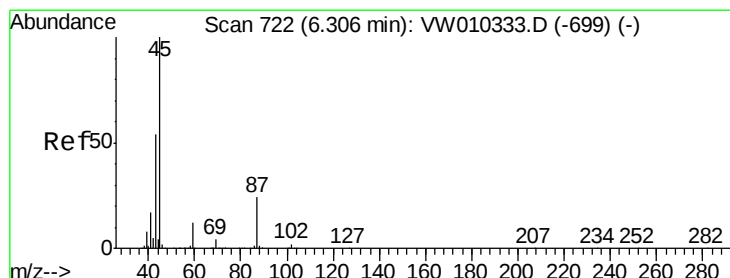
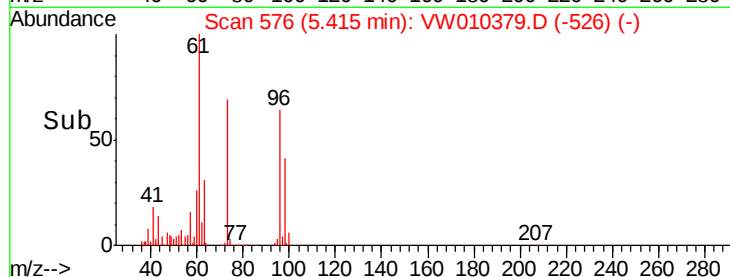
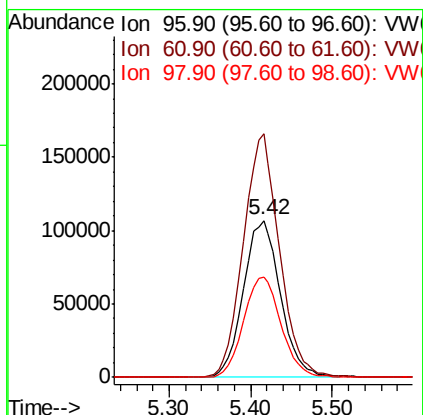
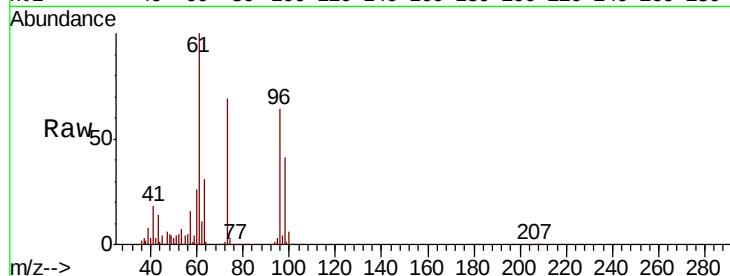
Tot Ion: 96 Resp: 338456

Ion Ratio Lower Upper

96 100

61 155.4 122.3 183.5

98 63.7 50.5 75.7



#22

Diisopropyl ether

Concen: 24.271 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.01 min

Lab File: VW010379.D

Acq: 11 May 2019 14:16

Tgt Ion: 45 Resp: 1069422

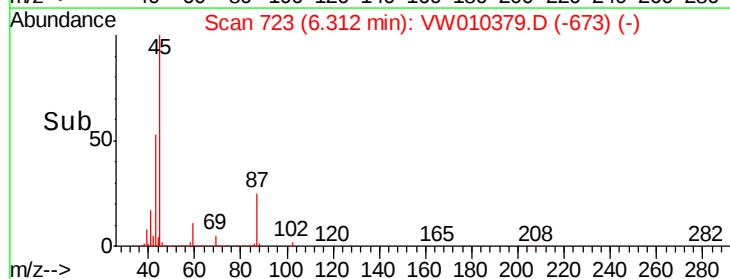
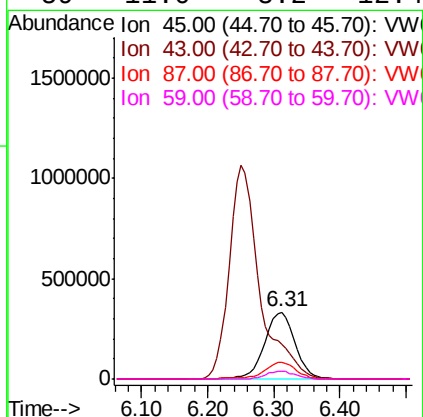
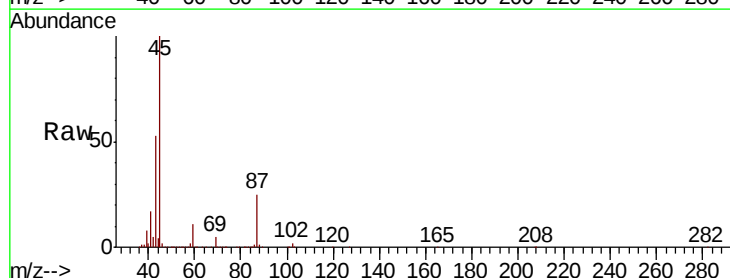
Ion Ratio Lower Upper

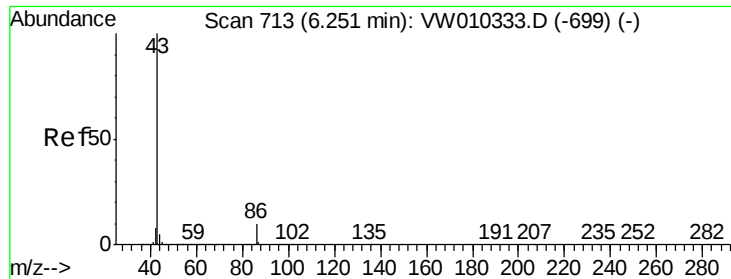
45 100

43 52.5 46.1 69.1

87 24.8 18.3 27.5

59 11.0 8.2 12.4

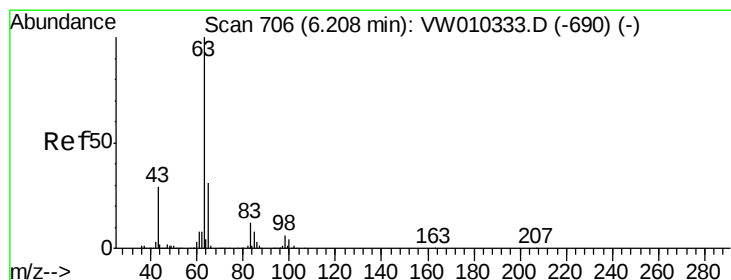
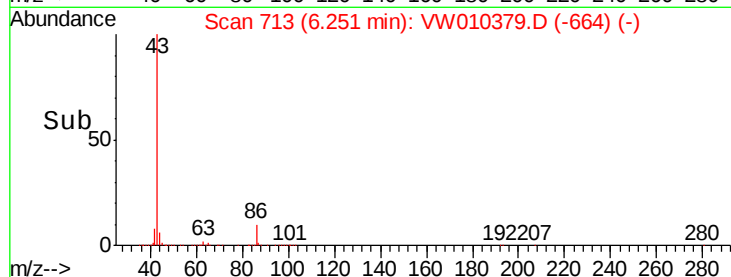
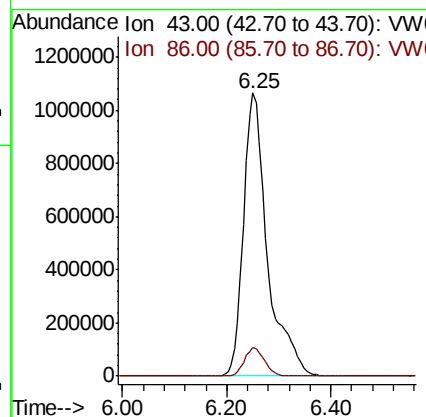
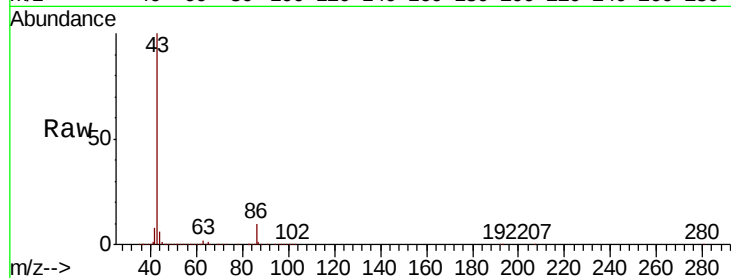




#23
 Vinyl Acetate
 Concen: 112.387 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VW010379.D
 Acq: 11 May 2019 14:16

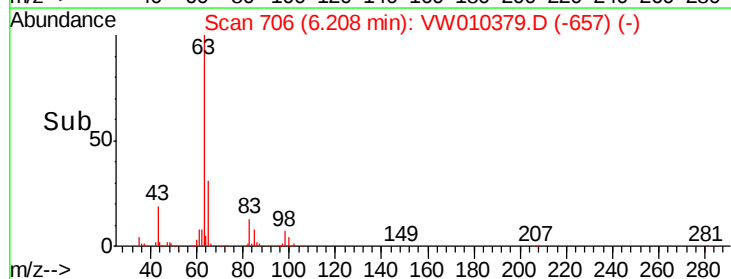
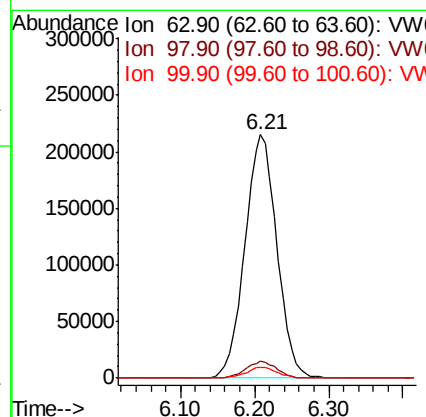
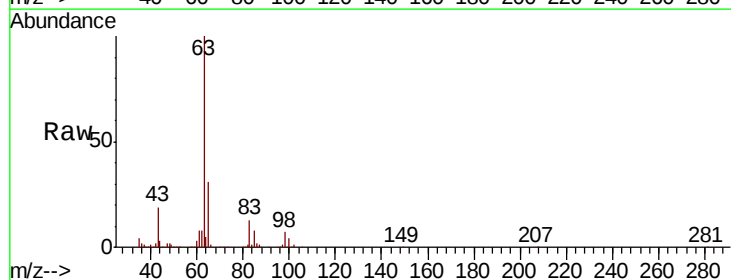
Instrument :
 MSVOA_W
 ClientSampleId :

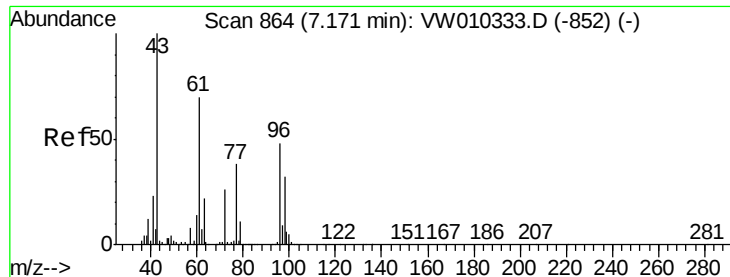
Tot Ion: 43 Resp: 3400282
 Ion Ratio Lower Upper
 43 100
 86 9.9 7.0 10.6



#24
 1,1-Dichloroethane
 Concen: 21.819 ug/l
 RT: 6.21 min Scan# 706
 Delta R.T. -0.00 min
 Lab File: VW010379.D
 Acq: 11 May 2019 14:16

Tgt Ion: 63 Resp: 647267
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.3 9.8
 100 4.2 2.0 6.0





#25

2-Butanone

Concen: 94.796 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010379.D

Acq: 11 May 2019 14:16

Instrument :

MSVOA_W

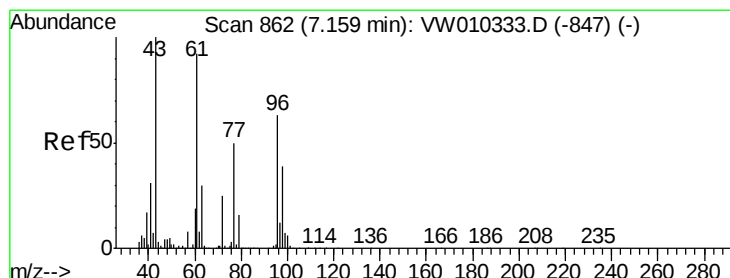
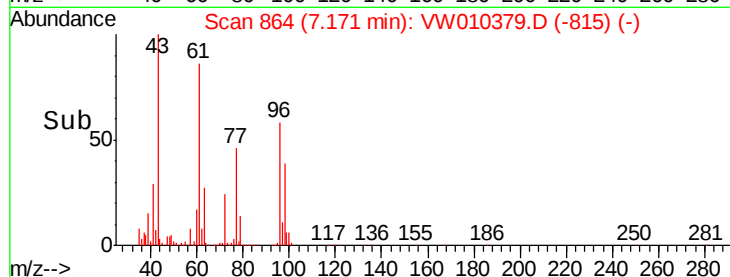
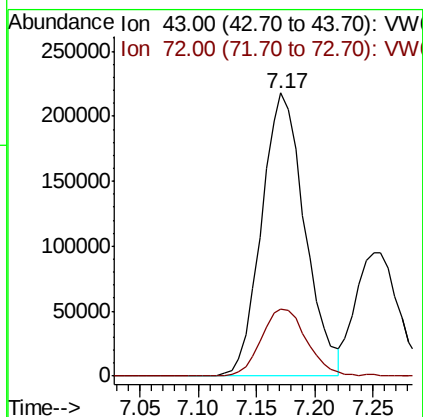
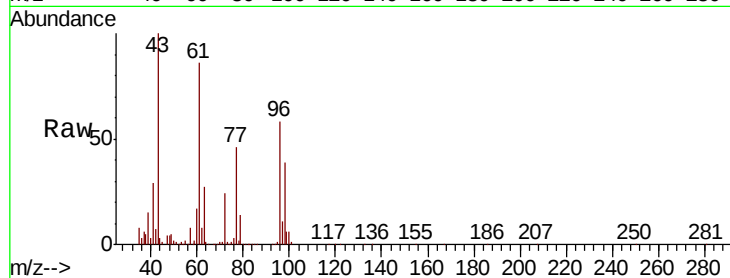
ClientSampled :

Tot Ion: 43 Resp: 560604

Ion Ratio Lower Upper

43 100

72 23.6 19.1 28.7



#26

2,2-Dichloropropane

Concen: 21.622 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.00 min

Lab File: VW010379.D

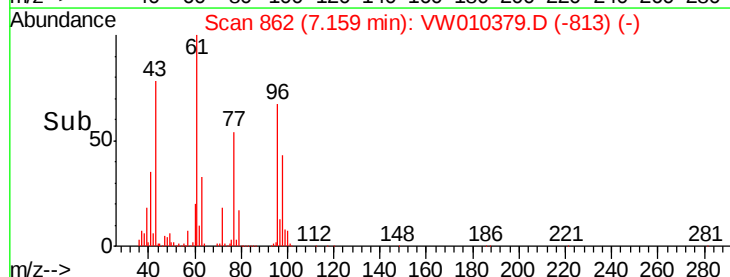
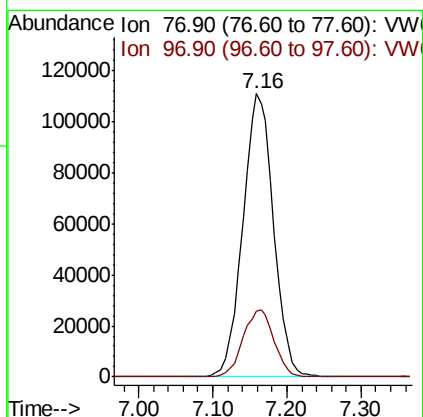
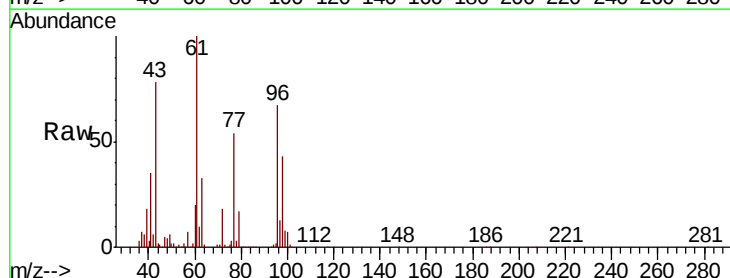
Acq: 11 May 2019 14:16

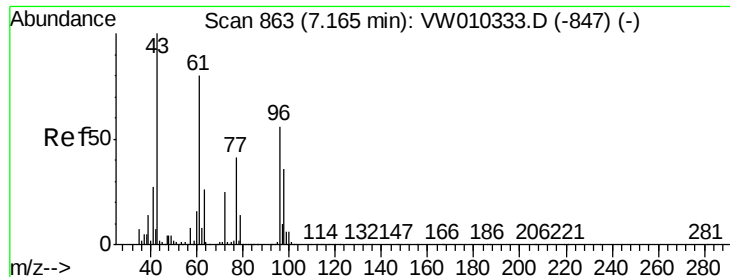
Tgt Ion: 77 Resp: 319139

Ion Ratio Lower Upper

77 100

97 24.0 11.3 33.9



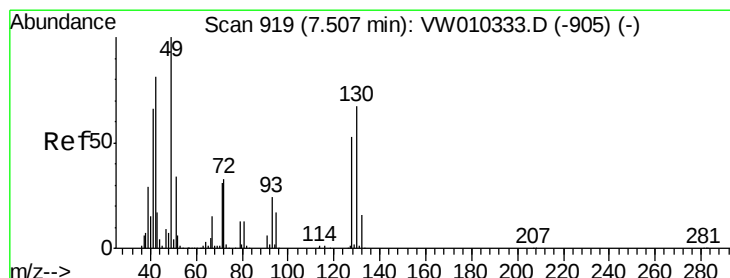
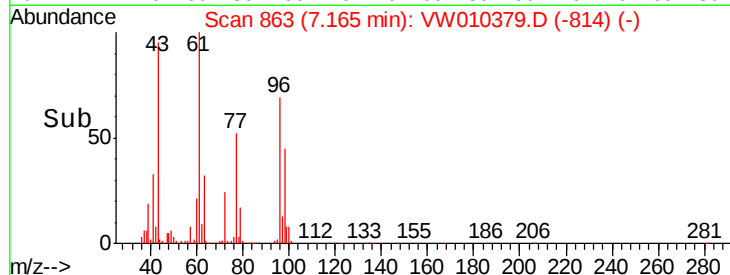
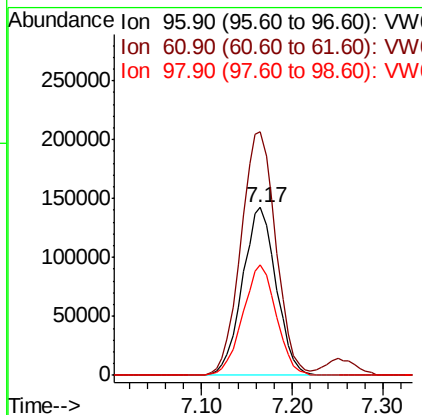
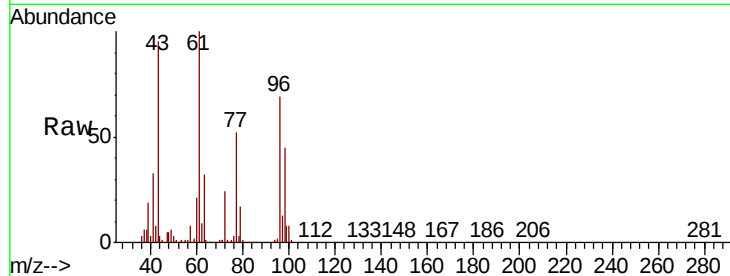


#27

cis-1,2-Dichloroethene
Concen: 21.810 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW010379.D
Acq: 11 May 2019 14:16

Instrument :
MSVOA_W
ClientSampleId :

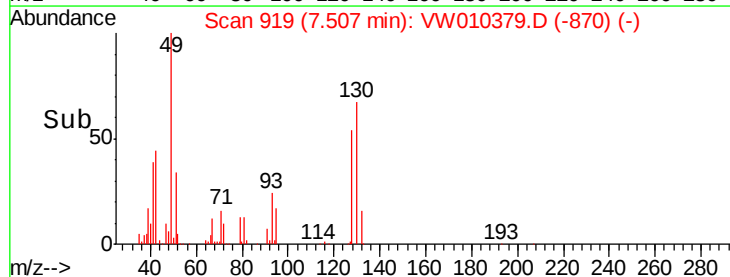
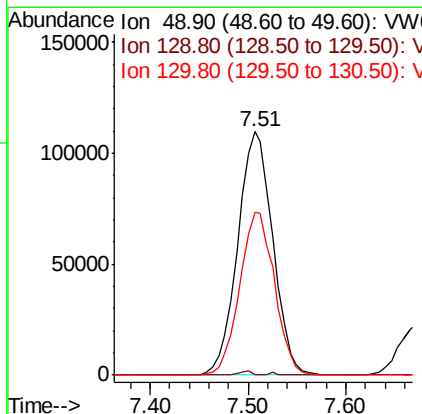
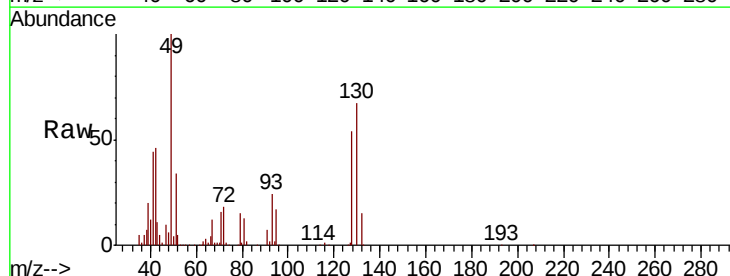
Tot Ion	96	Resp	367207
Ion	Ratio	Lower	Upper
96	100		
61	150.1	0.0	309.4
98	65.4	0.0	128.6

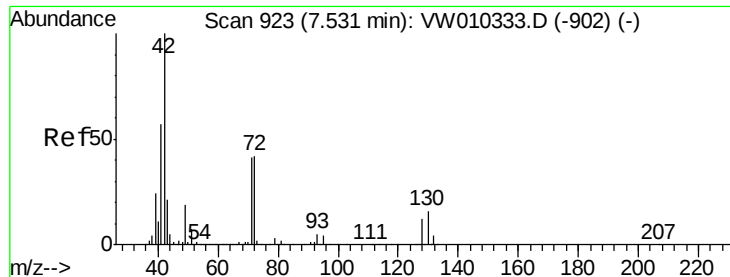


#28

Bromochloromethane
Concen: 24.892 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW010379.D
Acq: 11 May 2019 14:16

Tgt Ion	49	Resp	272241
Ion	Ratio	Lower	Upper
49	100		
129	0.6	0.0	3.8
130	66.4	54.6	82.0

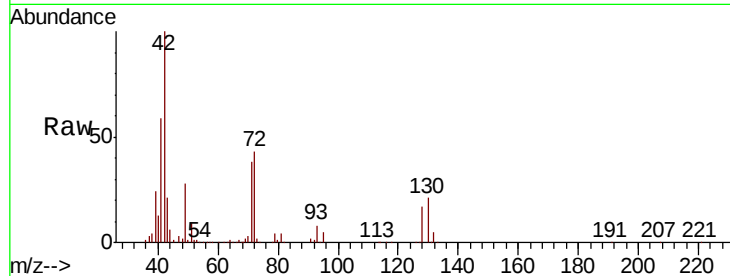




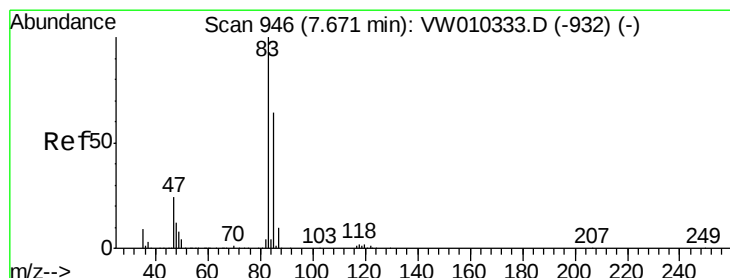
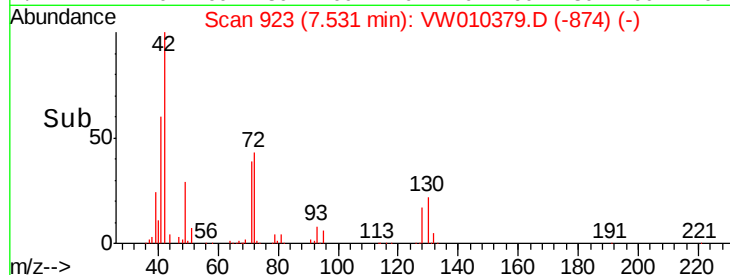
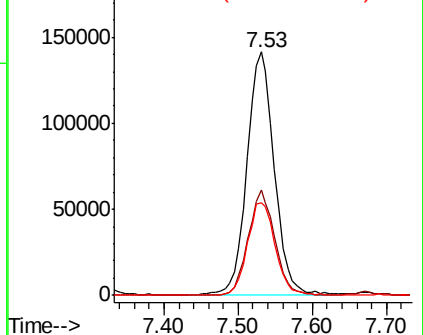
#29
Tetrahydrofuran
Concen: 94.928 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW010379.D
Acq: 11 May 2019 14:16

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.0	31.0	46.6
71	39.0	29.7	44.5

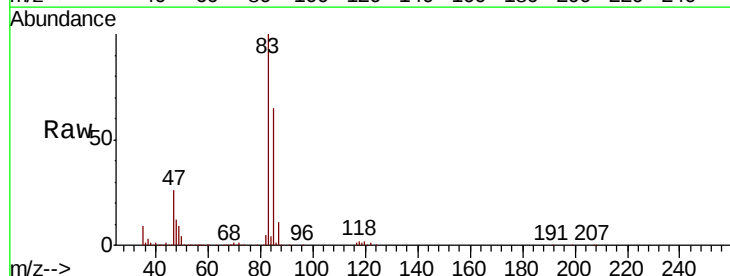


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

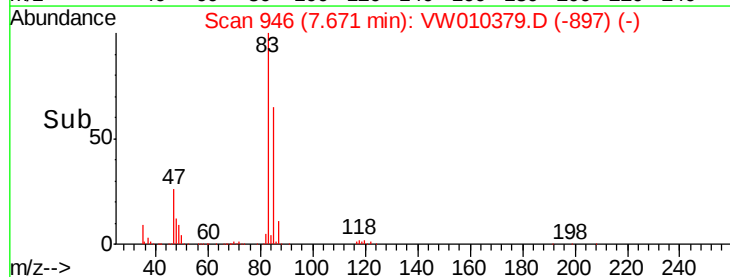
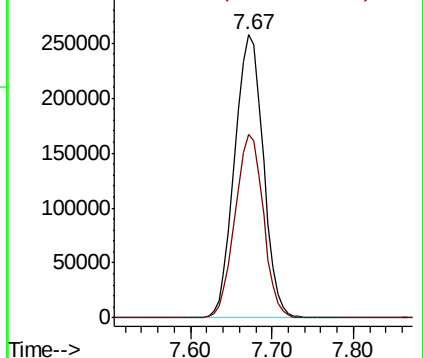


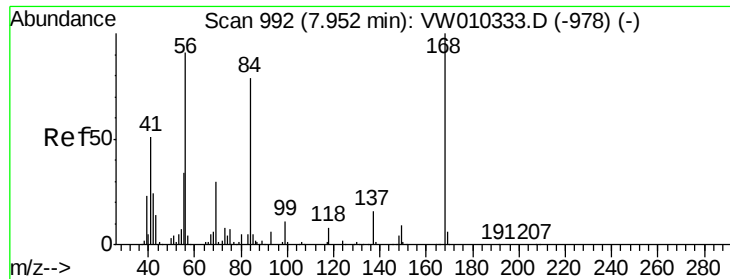
#30
Chloroform
Concen: 22.542 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW010379.D
Acq: 11 May 2019 14:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	50.7	76.1



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

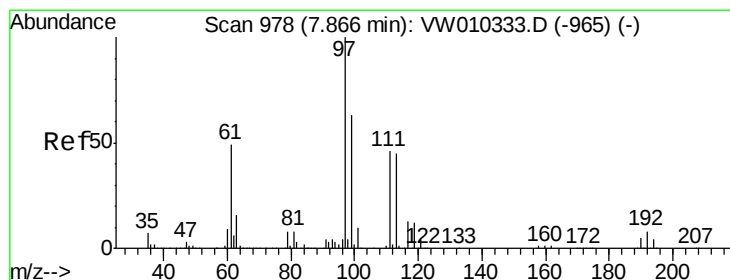
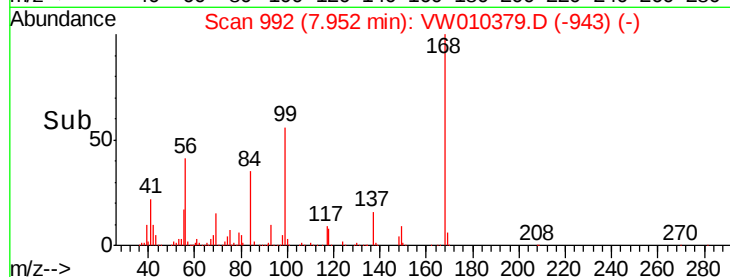
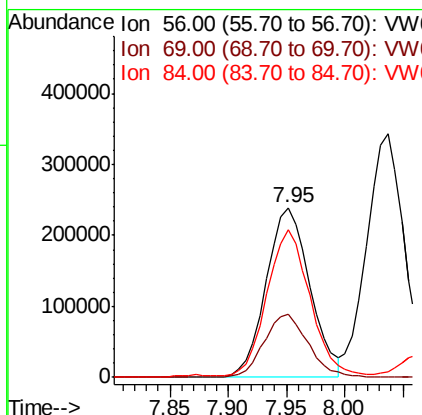
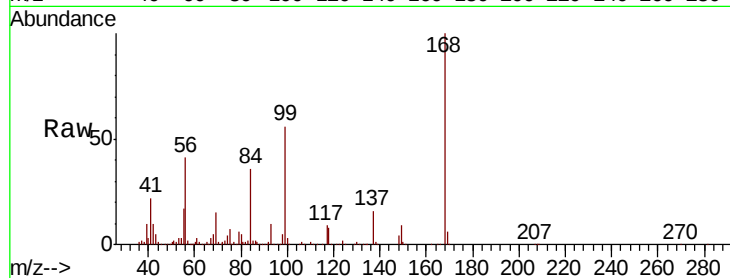




#31
Cyclohexane
Concen: 20.484 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW010379.D
Acq: 11 May 2019 14:16

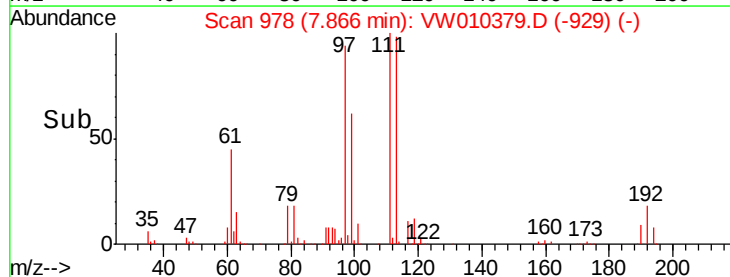
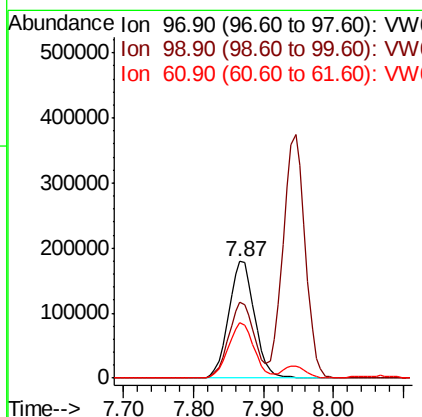
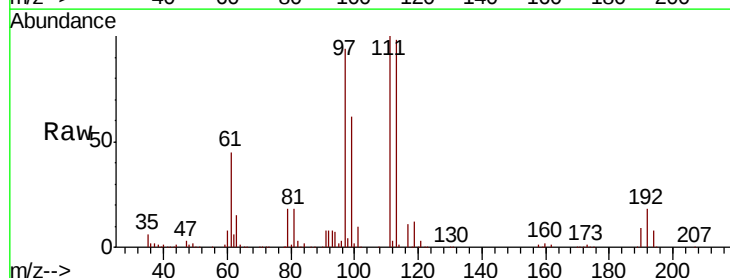
Instrument :
MSVOA_W
ClientSampled :

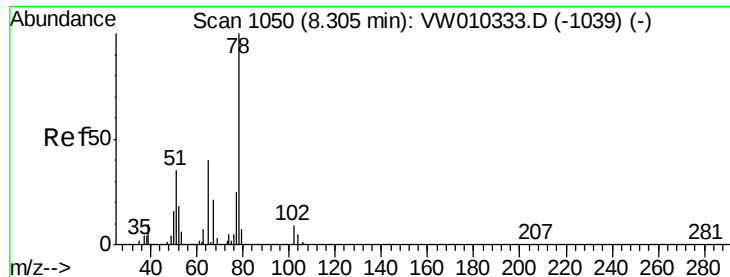
Tot Ion: 56 Resp: 622206
Ion Ratio Lower Upper
56 100
69 37.0 26.6 40.0
84 85.8 66.2 99.2



#32
1,1,1-Trichloroethane
Concen: 21.455 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.00 min
Lab File: VW010379.D
Acq: 11 May 2019 14:16

Tgt Ion: 97 Resp: 461390
Ion Ratio Lower Upper
97 100
99 63.7 50.2 75.2
61 47.4 38.2 57.2





#33

1,2-Dichloroethane-d4

Concen: 52.601 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010379.D

Acq: 11 May 2019 14:16

Instrument :

MSVOA_W

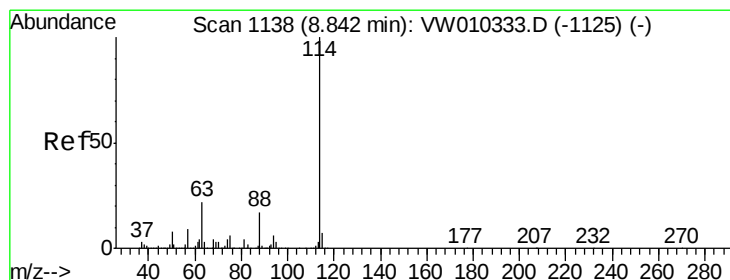
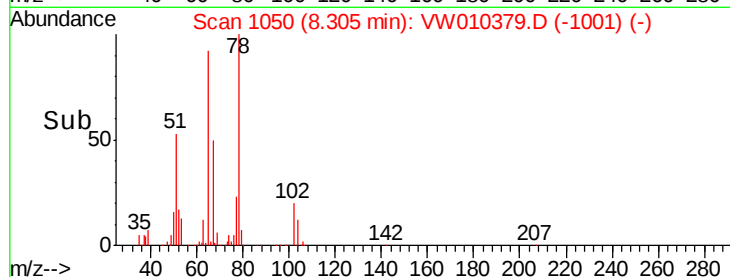
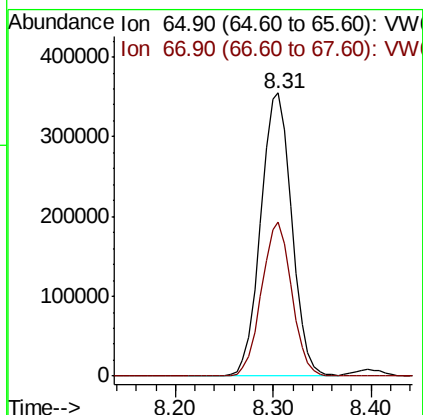
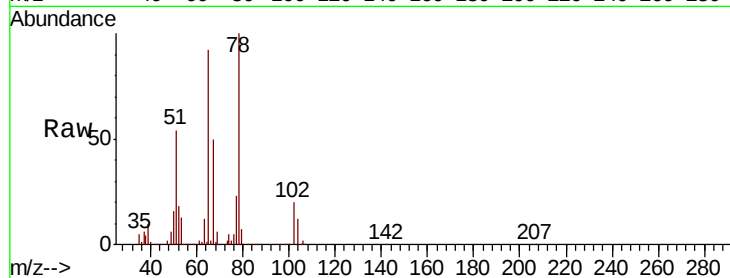
ClientSampleId :

Tot Ion: 65 Resp: 779999

Ion Ratio Lower Upper

65 100

67 52.9 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW010379.D

Acq: 11 May 2019 14:16

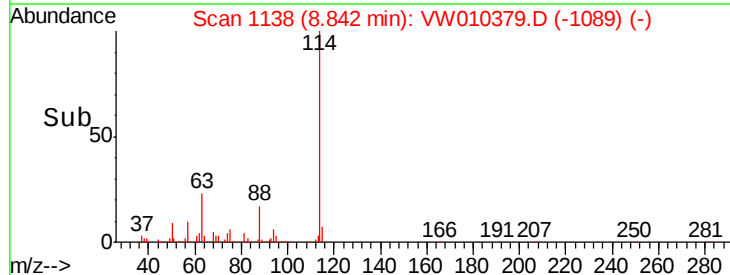
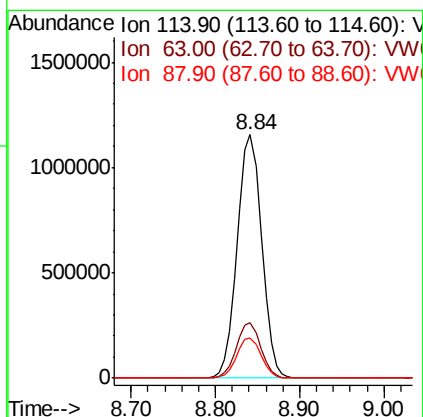
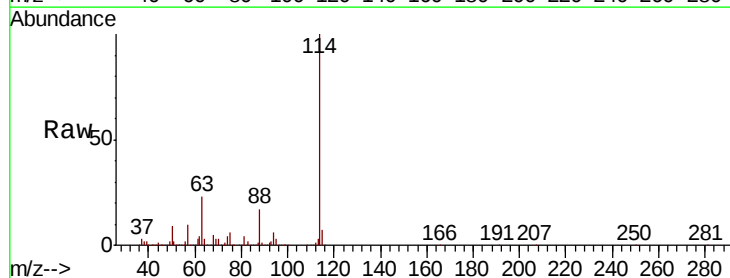
Tgt Ion: 114 Resp: 2258776

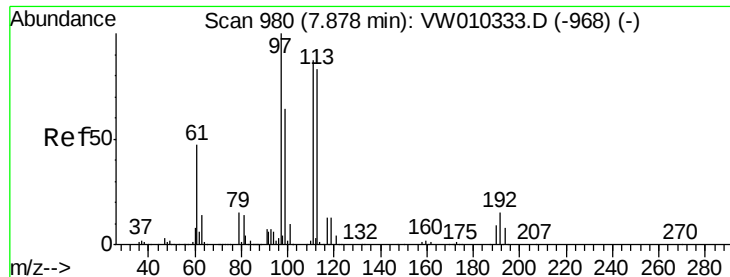
Ion Ratio Lower Upper

114 100

63 22.6 0.0 46.2

88 16.6 0.0 32.6





#35

Dibromofluoromethane

Concen: 51.608 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW010379.D

Acq: 11 May 2019 14:16

Instrument :
MSVOA_W
ClientSampleId :

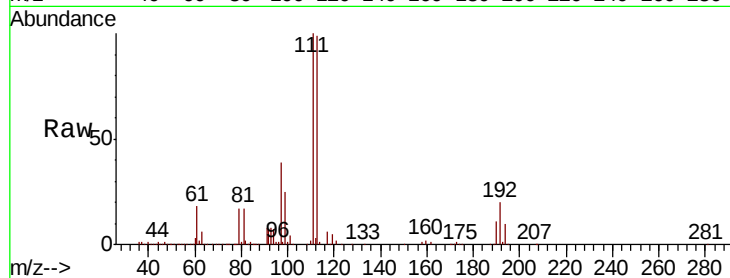
Tot Ion:113 Resp: 682159

Ion Ratio Lower Upper

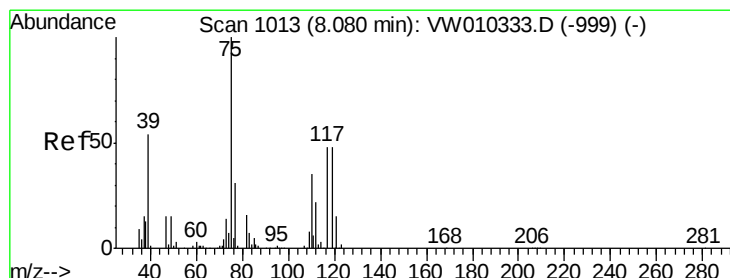
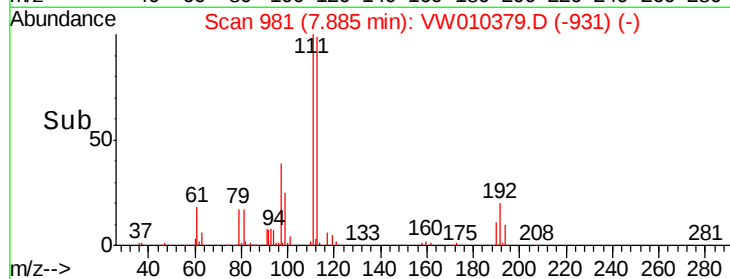
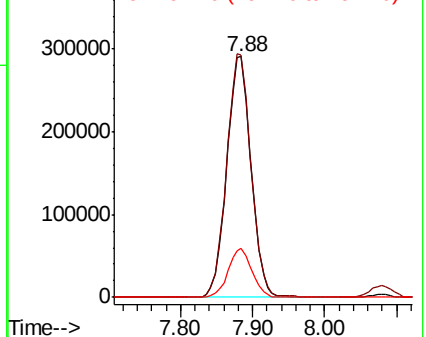
113 100

111 101.5 82.6 123.8

192 19.9 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: 20.854 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW010379.D

Acq: 11 May 2019 14:16

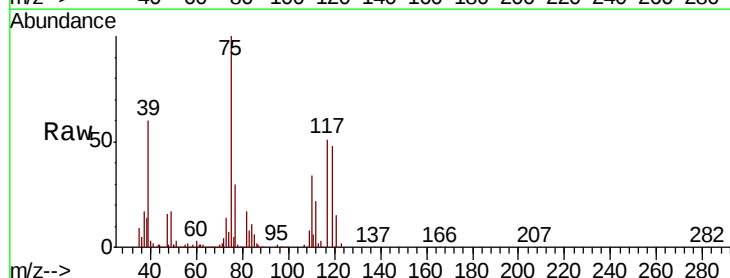
Tgt Ion: 75 Resp: 510736

Ion Ratio Lower Upper

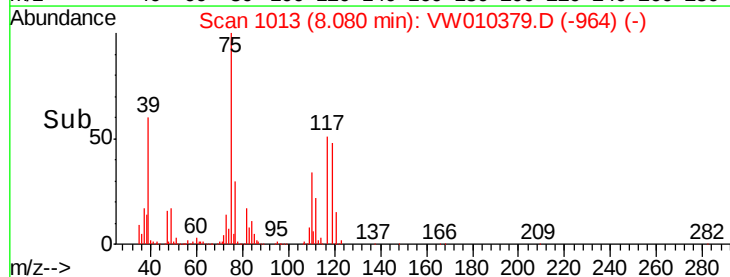
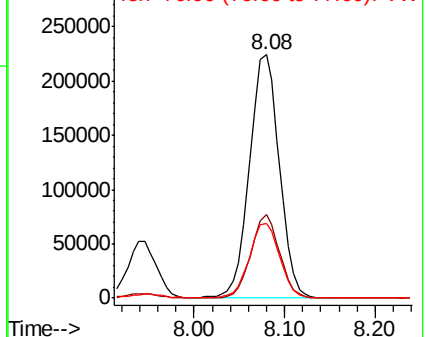
75 100

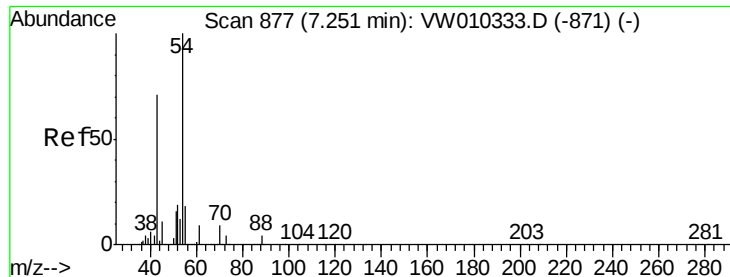
110 32.9 16.6 49.8

77 31.3 24.8 37.2



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

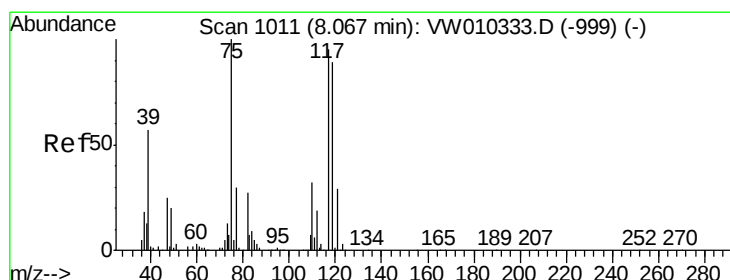
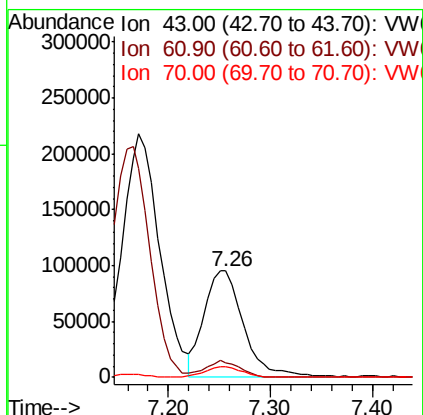
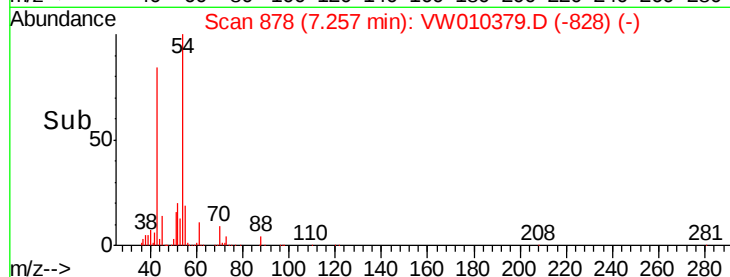
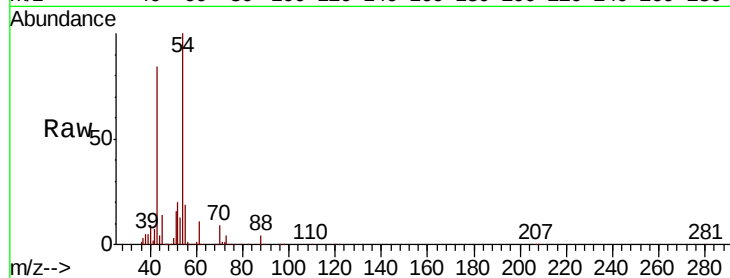




#37
Ethyl Acetate
Concen: 19.301 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW010379.D
Acq: 11 May 2019 14:16

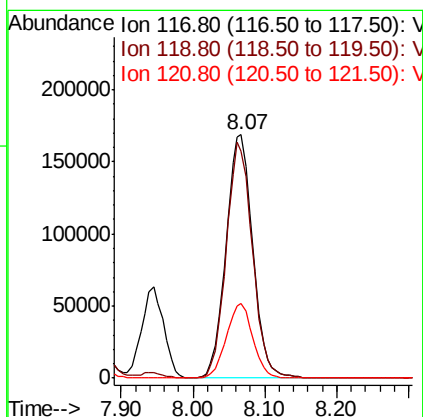
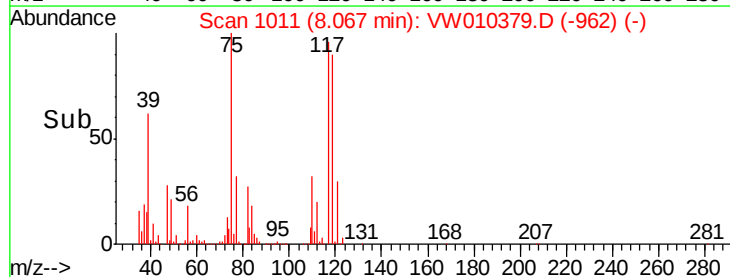
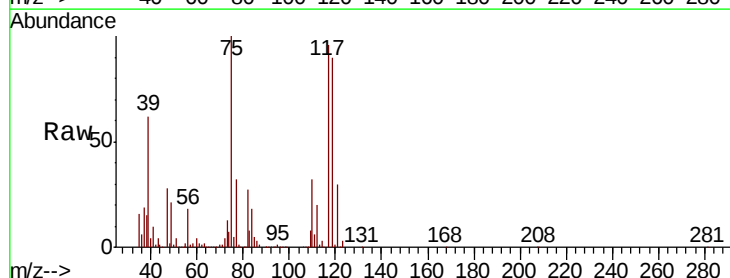
Instrument :
MSVOA_W
ClientSampled :

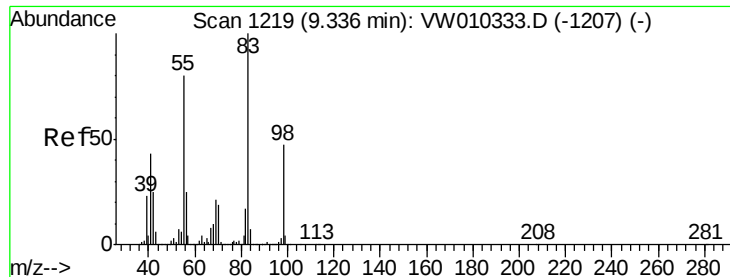
Tot Ion: 43 Resp: 251690
Ion Ratio Lower Upper
43 100
61 13.9 9.8 14.8
70 10.1 7.4 11.0



#38
Carbon Tetrachloride
Concen: 20.735 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW010379.D
Acq: 11 May 2019 14:16

Tgt Ion: 117 Resp: 435316
Ion Ratio Lower Upper
117 100
119 93.5 75.3 112.9
121 30.7 24.4 36.6

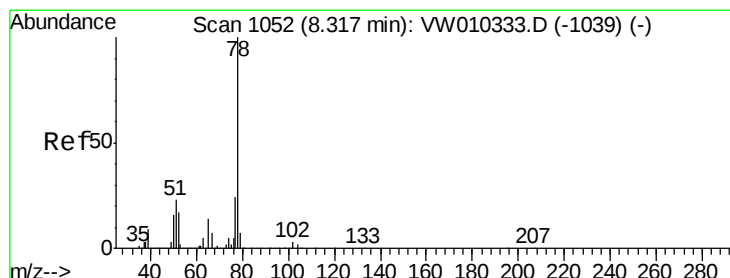
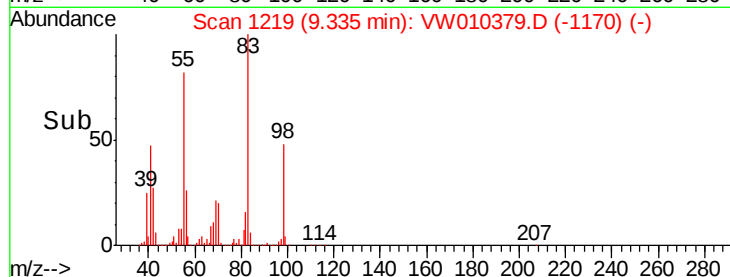
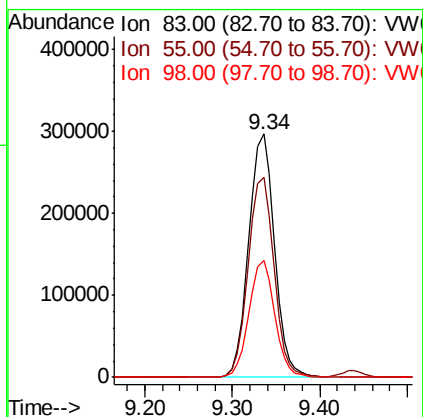
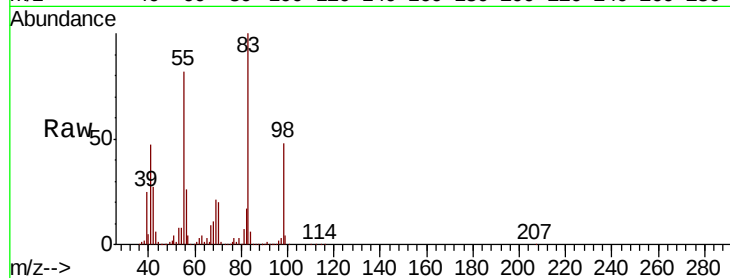




#39
Methylcyclohexane
Concen: 20.366 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010379.D
Acq: 11 May 2019 14:16

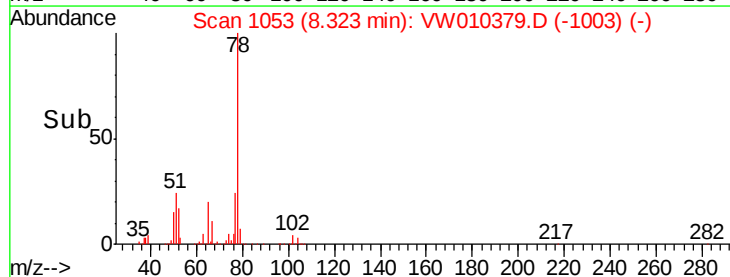
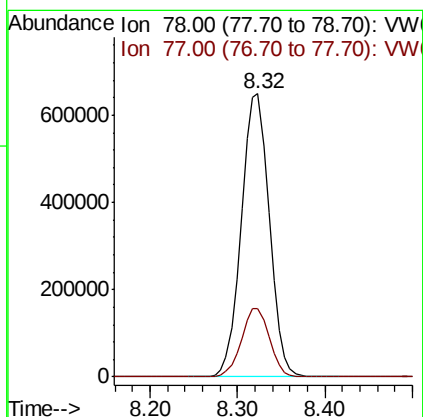
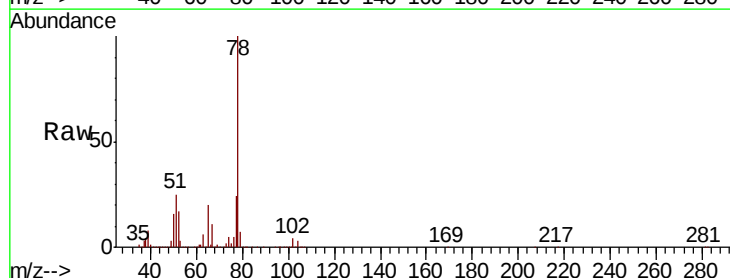
Instrument :
MSVOA_W
ClientSampleId :

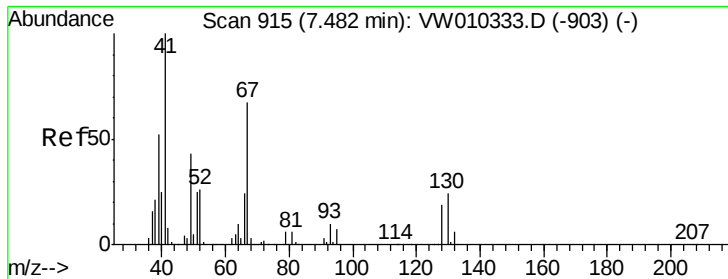
Tot Ion: 83 Resp: 610181
Ion Ratio Lower Upper
83 100
55 82.3 67.1 100.7
98 48.1 39.2 58.8



#40
Benzene
Concen: 21.487 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VW010379.D
Acq: 11 May 2019 14:16

Tgt Ion: 78 Resp: 1441213
Ion Ratio Lower Upper
78 100
77 24.3 19.1 28.7





#41

Methacrylonitrile

Concen: 19.267 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW010379.D

Acq: 11 May 2019 14:16

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 41 Resp: 140897

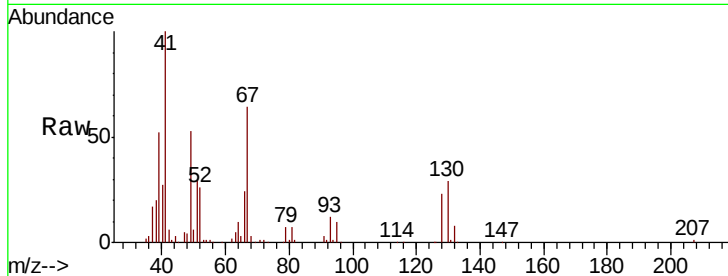
Ion Ratio Lower Upper

41 100

39 57.7 45.0 67.4

67 70.6 50.7 76.1

52 29.2 22.6 33.8



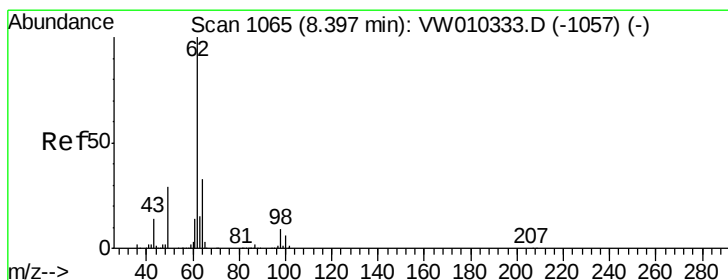
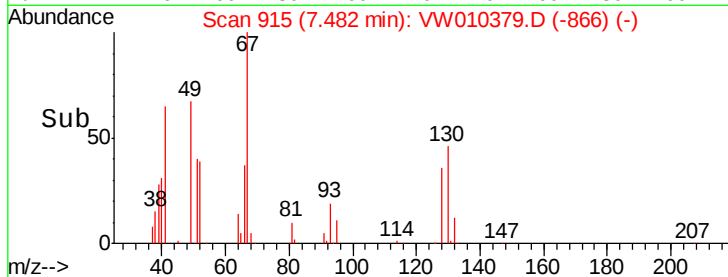
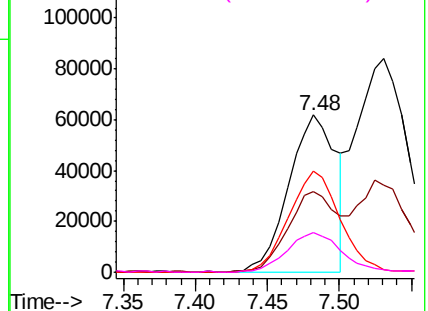
Abundance

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: 22.592 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW010379.D

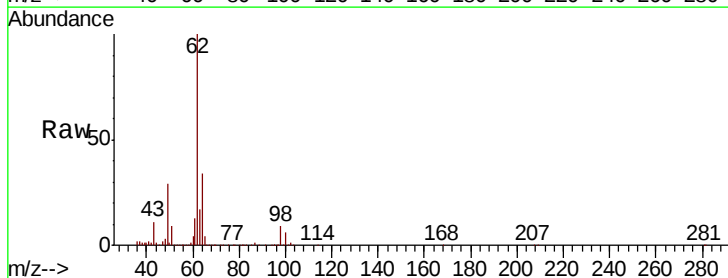
Acq: 11 May 2019 14:16

Tgt Ion: 62 Resp: 433740

Ion Ratio Lower Upper

62 100

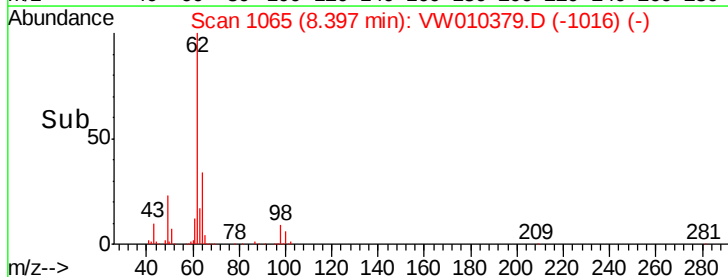
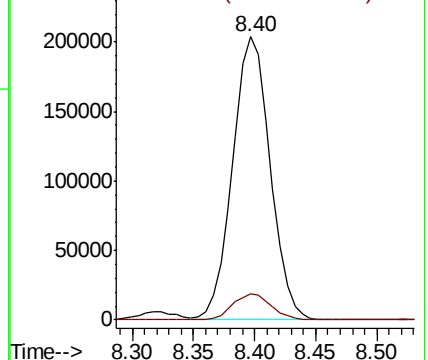
98 9.4 0.0 16.6

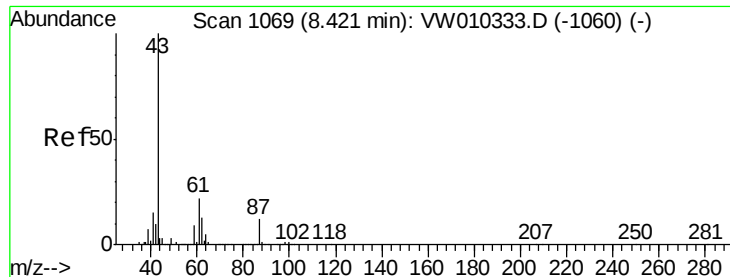


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 20.684 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW010379.D

Acq: 11 May 2019 14:16

Instrument :
MSVOA_W
ClientSampled :

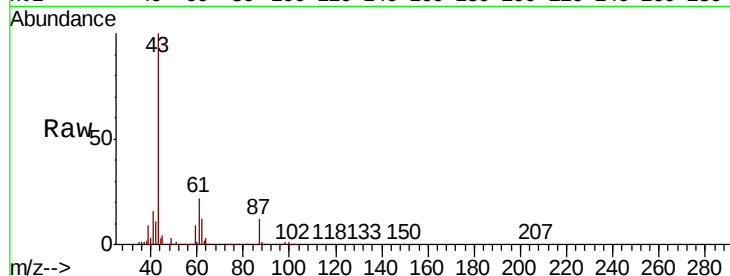
Tot Ion: 43 Resp: 447320

Ion Ratio Lower Upper

43 100

61 30.5 23.0 34.6

87 12.3 9.3 13.9



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 87.00 (86.70 to 87.70): VW

250000

200000

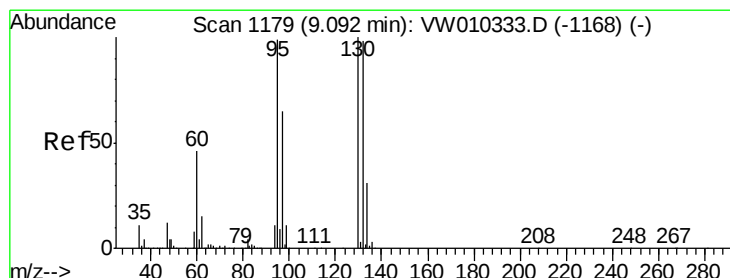
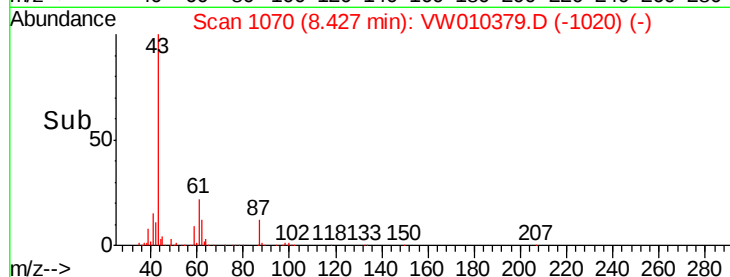
150000

100000

50000

0

Time-->



#44

Trichloroethene

Concen: 20.969 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW010379.D

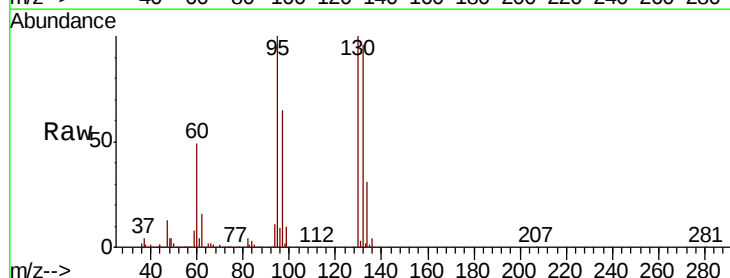
Acq: 11 May 2019 14:16

Tgt Ion: 130 Resp: 352104

Ion Ratio Lower Upper

130 100

95 99.8 0.0 205.4



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

200000

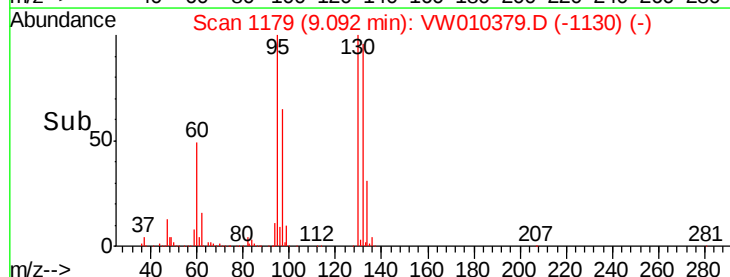
150000

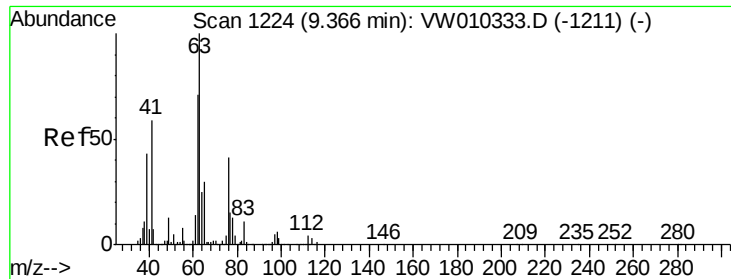
100000

50000

0

Time-->

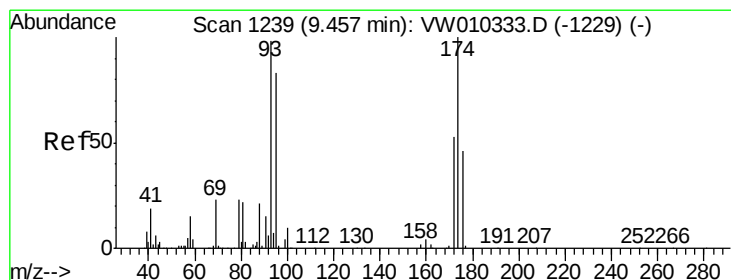
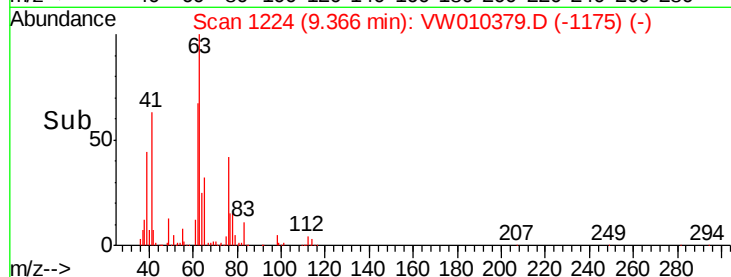
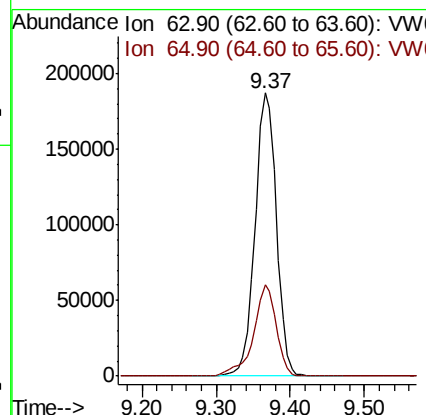
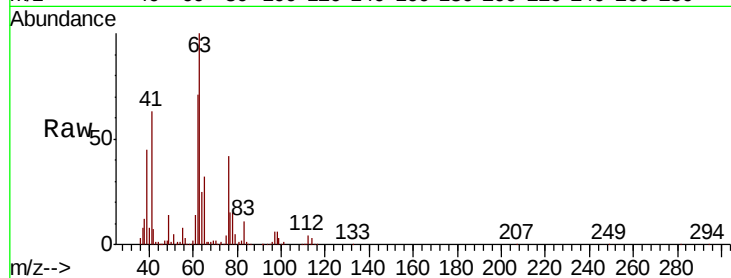




#45
 1,2-Dichloropropane
 Concen: 22.661 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW010379.D
 Acq: 11 May 2019 14:16

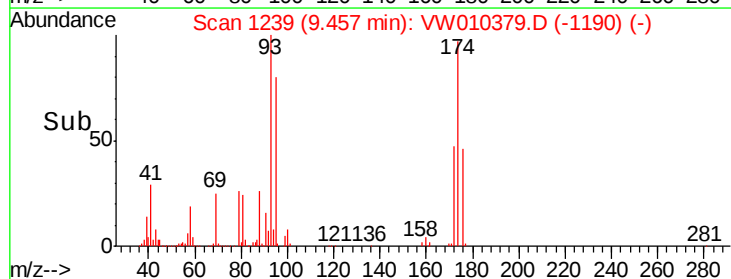
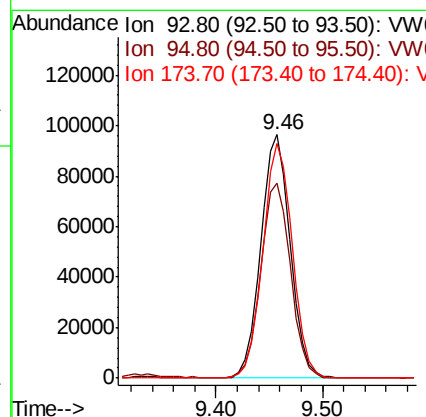
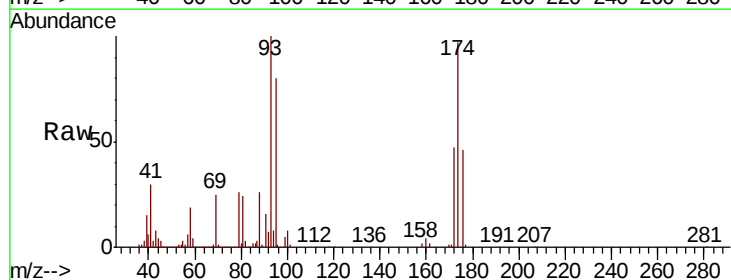
Instrument :
 MSVOA_W
 ClientSampled :

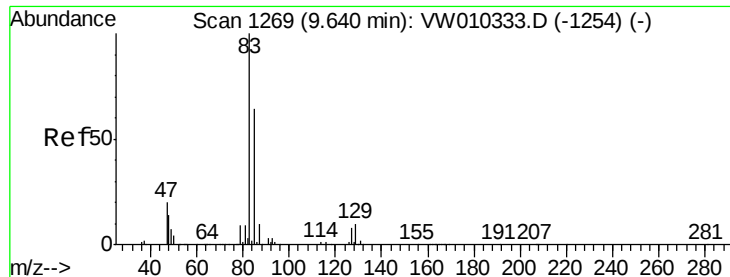
Tot Ion: 63 Resp: 377807
 Ion Ratio Lower Upper
 63 100
 65 32.4 23.8 35.6



#46
 Dibromomethane
 Concen: 21.697 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW010379.D
 Acq: 11 May 2019 14:16

Tgt Ion: 93 Resp: 186876
 Ion Ratio Lower Upper
 93 100
 95 81.2 65.8 98.8
 174 96.6 75.5 113.3





#47

Bromodichloromethane

Concen: 22.440 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW010379.D

Acq: 11 May 2019 14:16

Instrument :

MSVOA_W

ClientSampled :

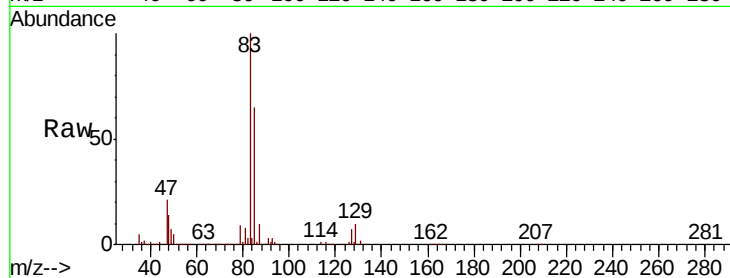
Tot Ion: 83 Resp: 463638

Ion Ratio Lower Upper

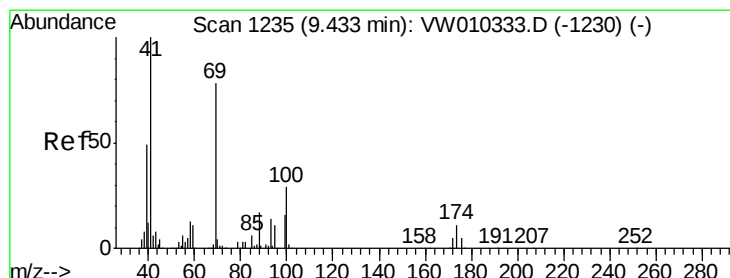
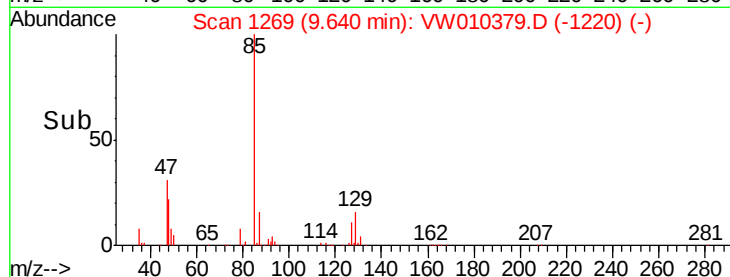
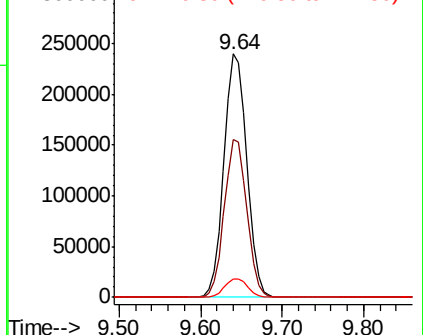
83 100

85 64.9 50.6 75.8

127 7.3 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: 20.679 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW010379.D

Acq: 11 May 2019 14:16

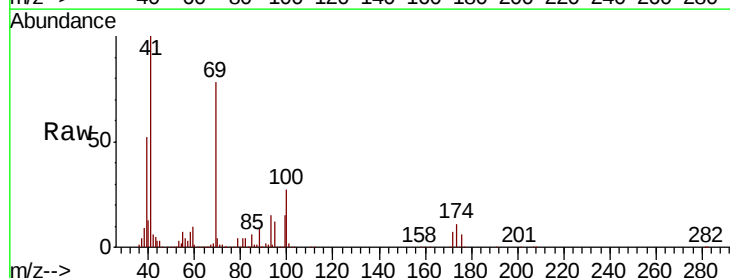
Tgt Ion: 41 Resp: 211454

Ion Ratio Lower Upper

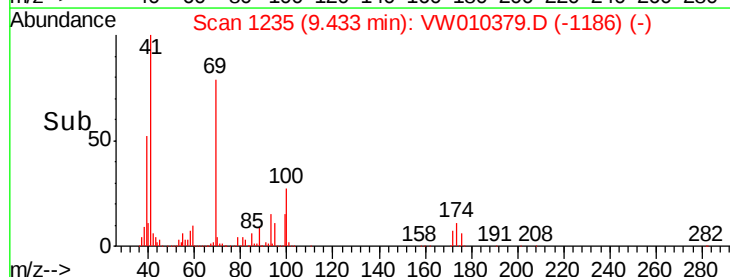
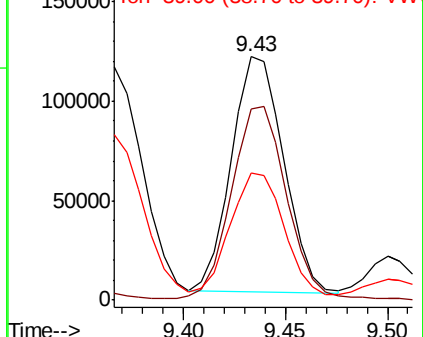
41 100

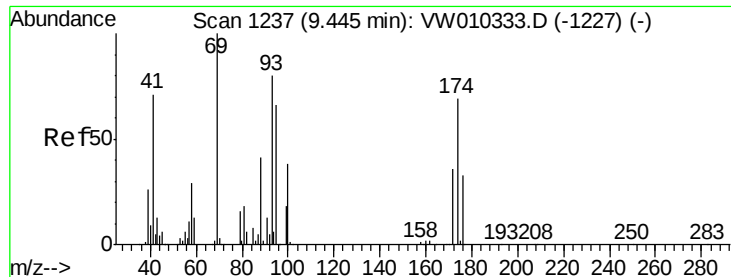
69 86.9 60.1 90.1

39 52.2 51.0 76.6



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





#49

1,4-Dioxane

Concen: 380.433 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.01 min

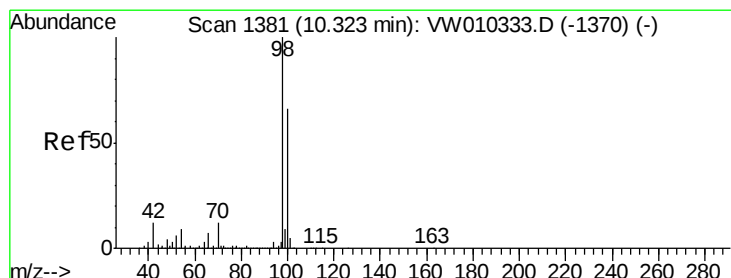
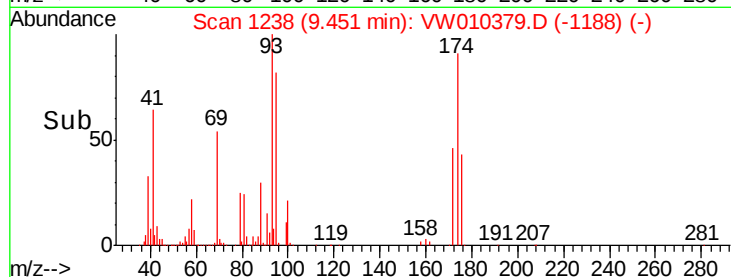
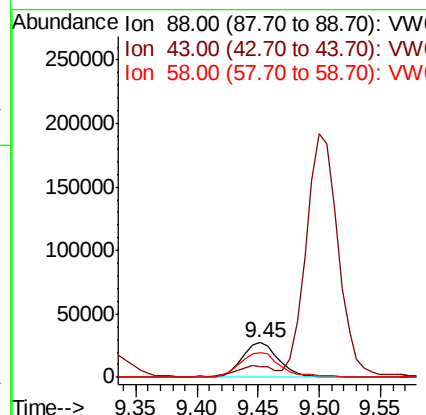
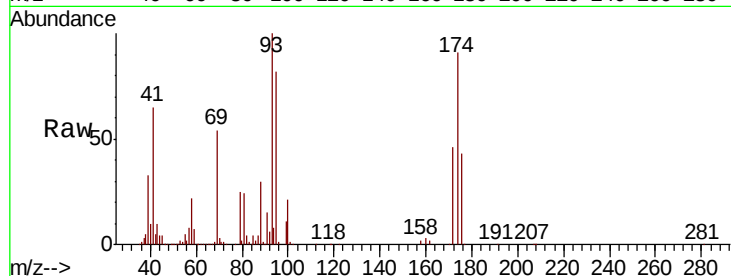
Lab File: VW010379.D

Acq: 11 May 2019 14:16

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 88 Resp: 57143

Ion	Ratio	Lower	Upper
88	100		
43	30.5	31.9	47.9#
58	79.7	61.8	92.6



#50

Toluene-d8

Concen: 50.771 ug/l

RT: 10.32 min Scan# 1381

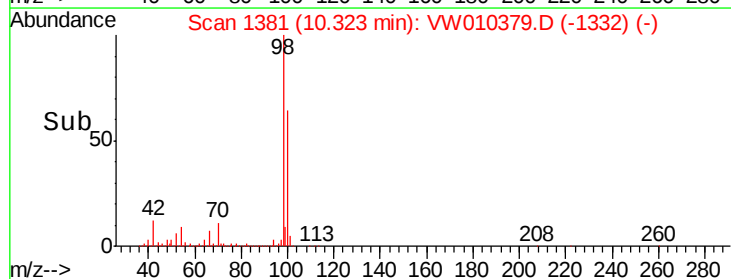
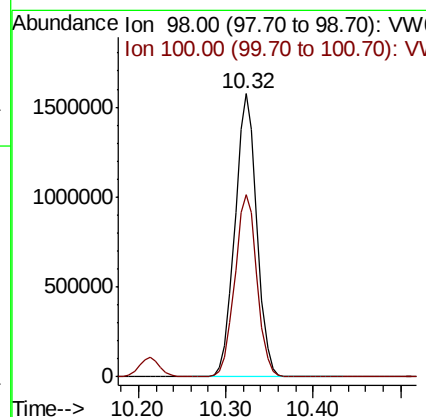
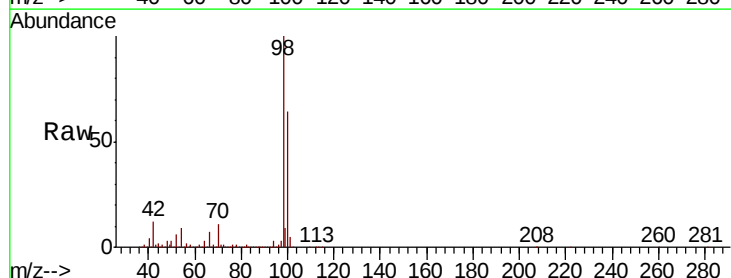
Delta R.T. -0.00 min

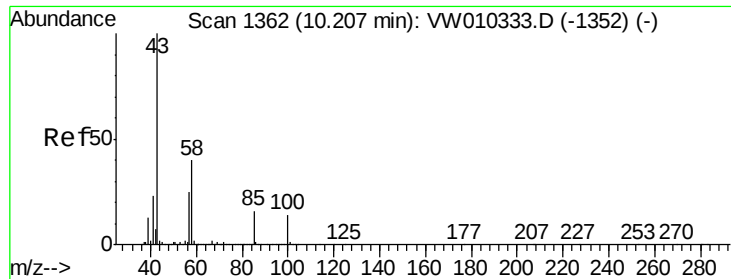
Lab File: VW010379.D

Acq: 11 May 2019 14:16

Tgt Ion: 98 Resp: 2732723

Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.3	78.5





#51

4-Methyl-2-Pentanone

Concen: 100.802 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW010379.D

Acq: 11 May 2019 14:16

Instrument :

MSVOA_W

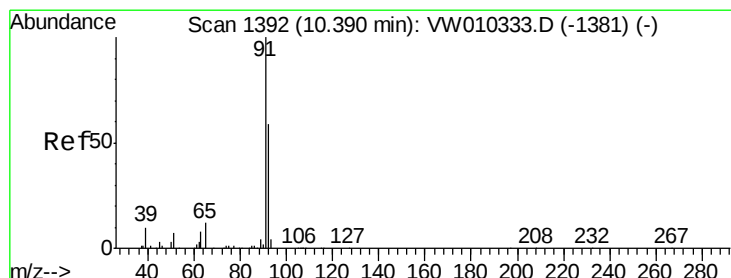
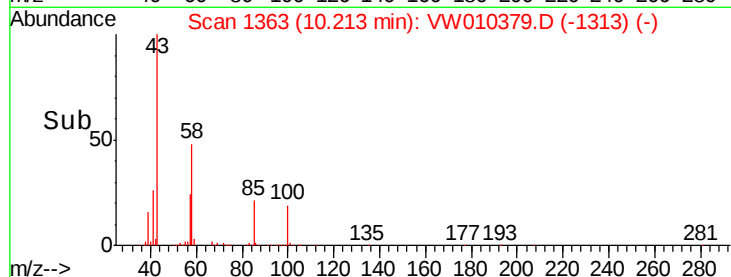
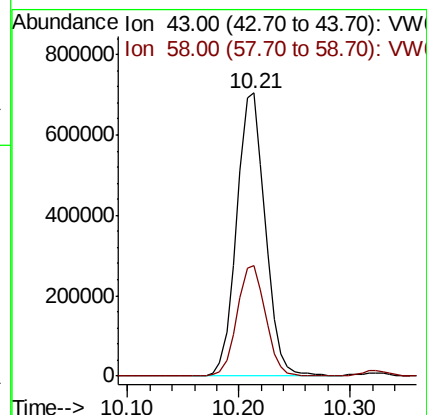
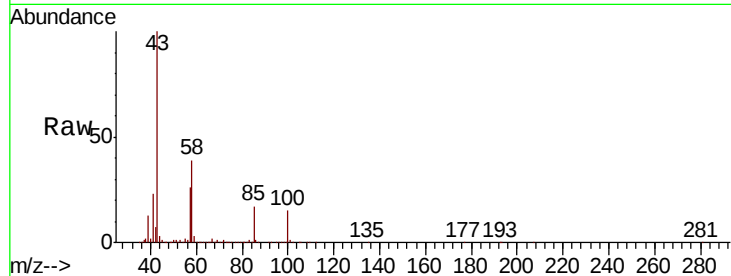
ClientSampled :

Tot Ion: 43 Resp: 1250027

Ion Ratio Lower Upper

43 100

58 39.2 28.9 43.3



#52

Toluene

Concen: 21.913 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW010379.D

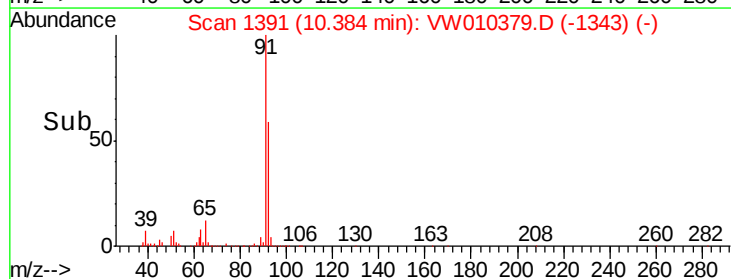
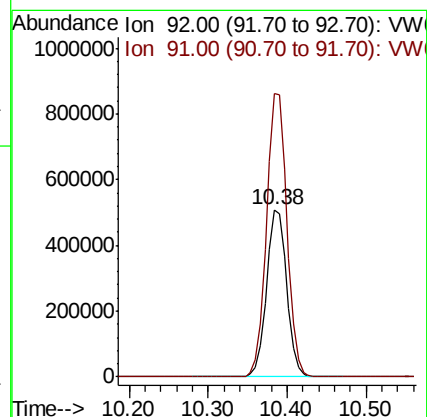
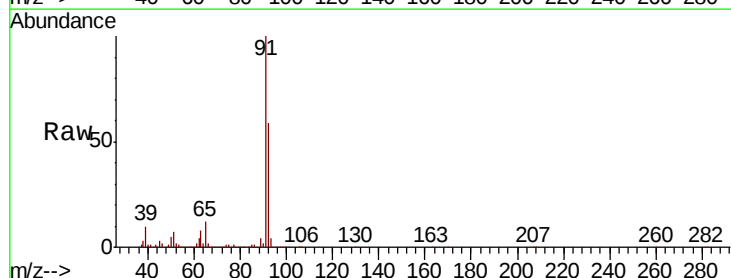
Acq: 11 May 2019 14:16

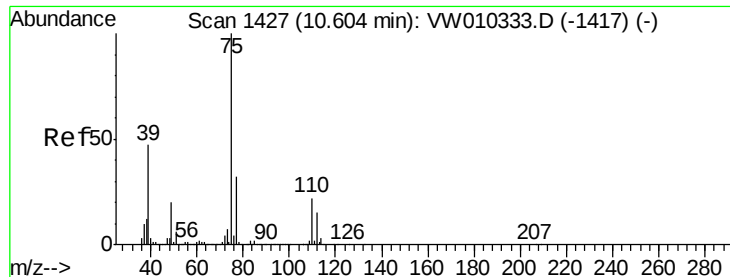
Tgt Ion: 92 Resp: 898337

Ion Ratio Lower Upper

92 100

91 171.4 138.5 207.7





#53

t-1,3-Dichloropropene

Concen: 22.062 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW010379.D

Acq: 11 May 2019 14:16

Instrument :

MSVOA_W

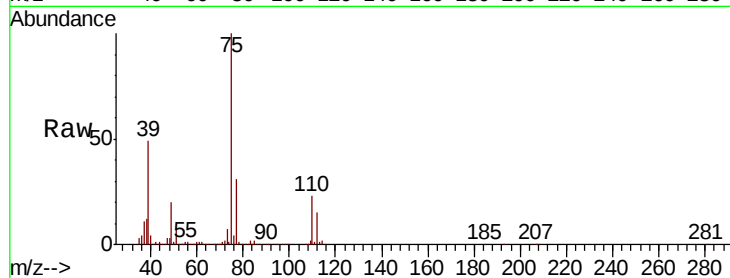
ClientSampleId :

Tot Ion: 75 Resp: 461715

Ion Ratio Lower Upper

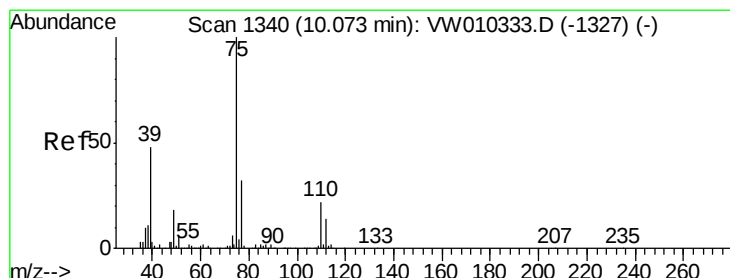
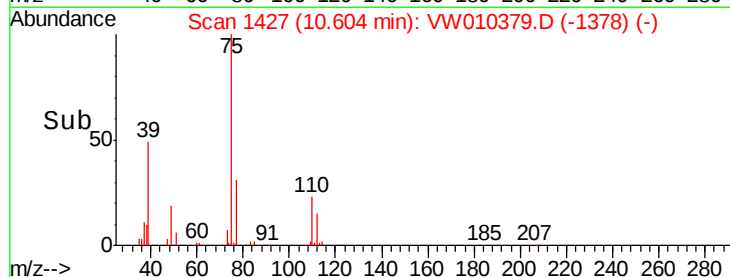
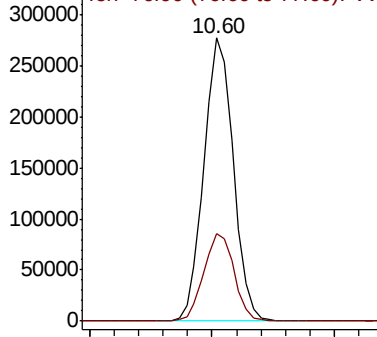
75 100

77 31.0 26.9 40.3



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#54

cis-1,3-Dichloropropene

Concen: 22.479 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW010379.D

Acq: 11 May 2019 14:16

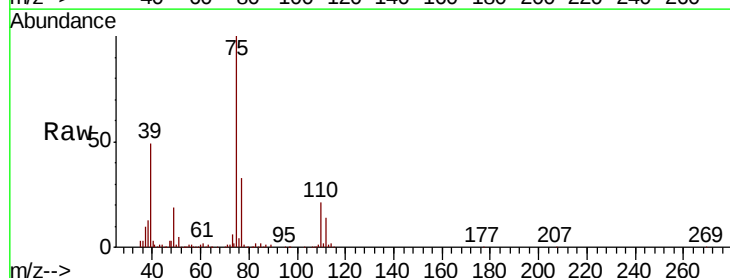
Tgt Ion: 75 Resp: 557129

Ion Ratio Lower Upper

75 100

77 32.6 25.6 38.4

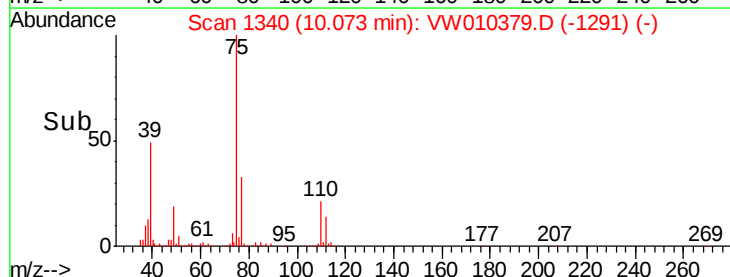
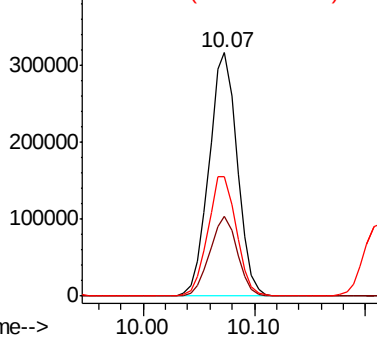
39 49.1 47.8 71.6

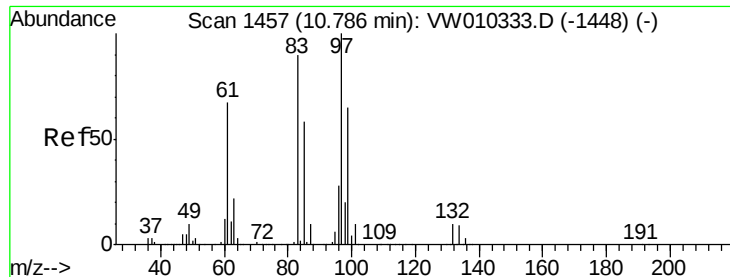


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW





#55

1,1,2-Trichloroethane

Concen: 21.772 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW010379.D

Acq: 11 May 2019 14:16

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 266344

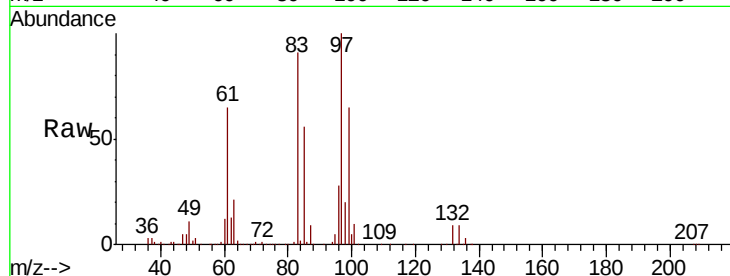
Ion Ratio Lower Upper

97 100

83 90.9 68.9 103.3

85 55.6 42.9 64.3

99 65.1 48.6 72.8



Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW

200000

150000

100000

50000

0

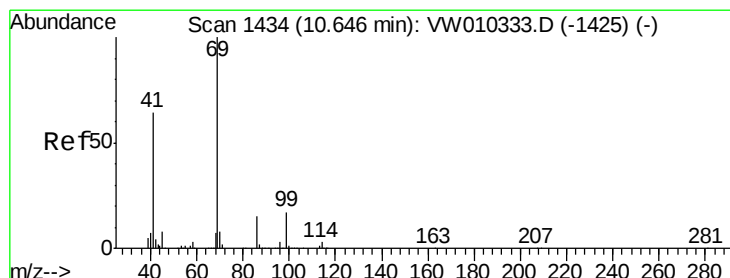
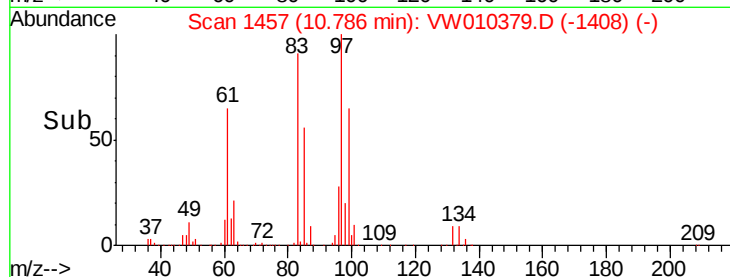
10.79

10.75

10.80

10.85

Time-->



#56

Ethyl methacrylate

Concen: 22.171 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW010379.D

Acq: 11 May 2019 14:16

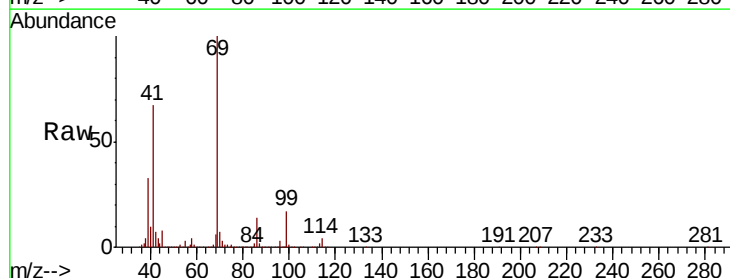
Tgt Ion: 69 Resp: 358163

Ion Ratio Lower Upper

69 100

41 67.7 61.0 91.6

39 32.6 33.8 50.6#



Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

300000

250000

200000

150000

100000

50000

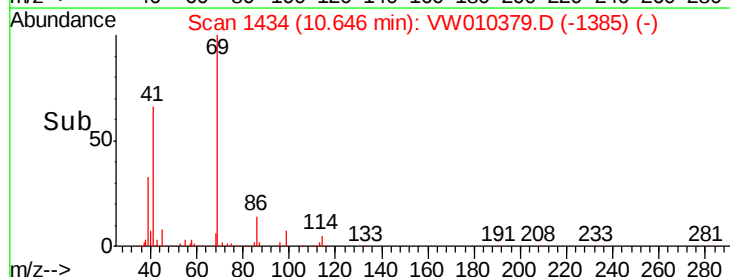
0

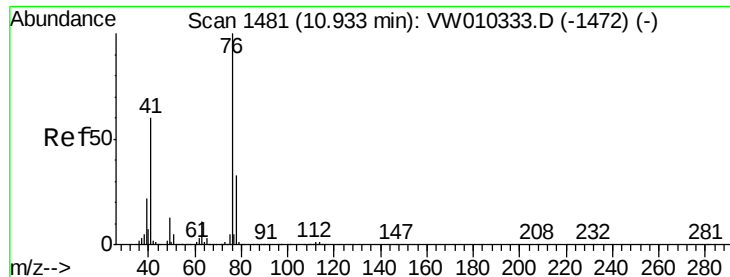
10.65

10.60

10.70

Time-->





#57

1,3-Dichloropropane

Concen: 22.202 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW010379.D

Acq: 11 May 2019 14:16

Instrument :

MSVOA_W

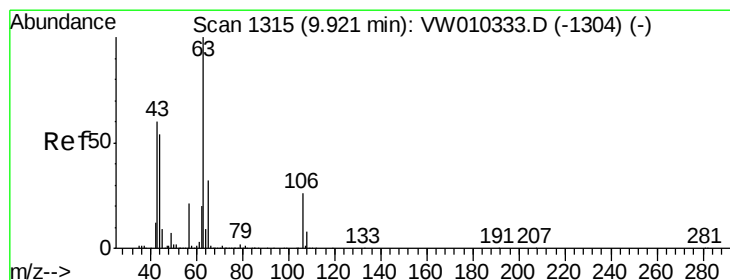
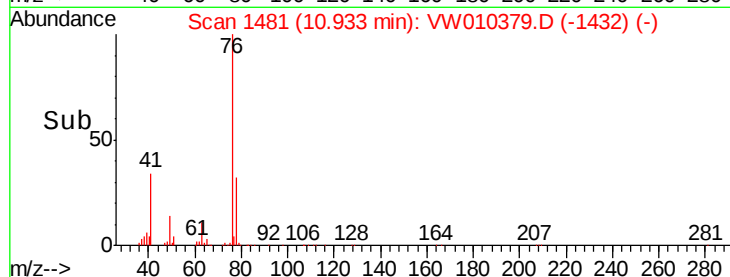
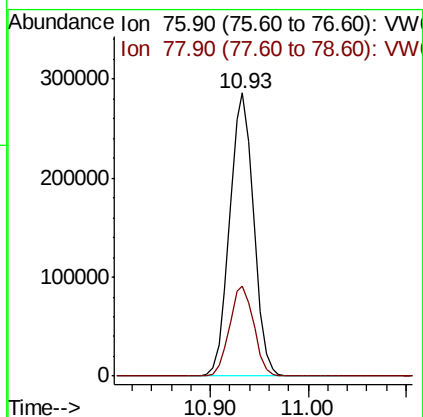
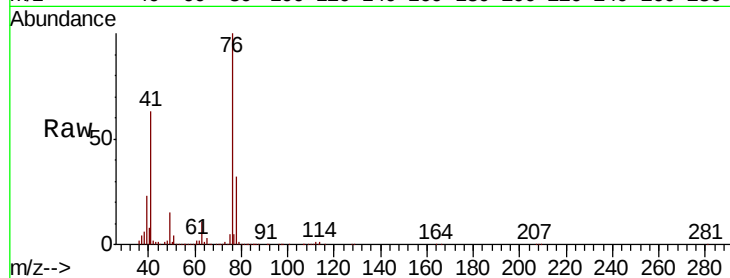
ClientSampleId :

Tot Ion: 76 Resp: 485556

Ion Ratio Lower Upper

76 100

78 32.4 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 118.119 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VW010379.D

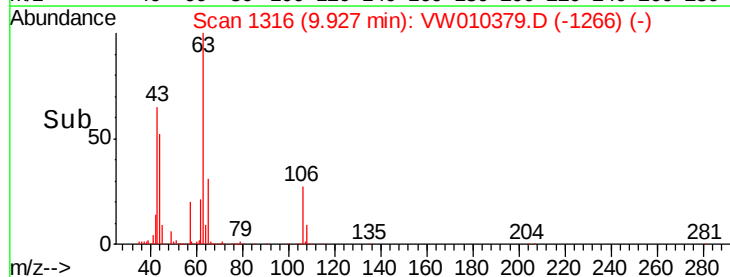
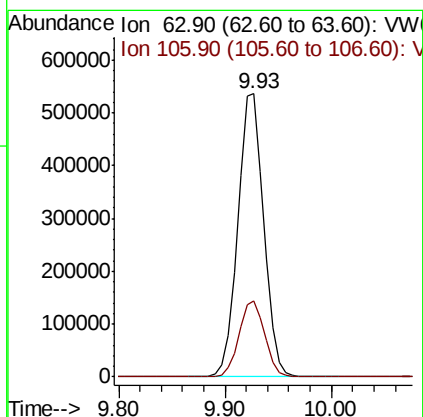
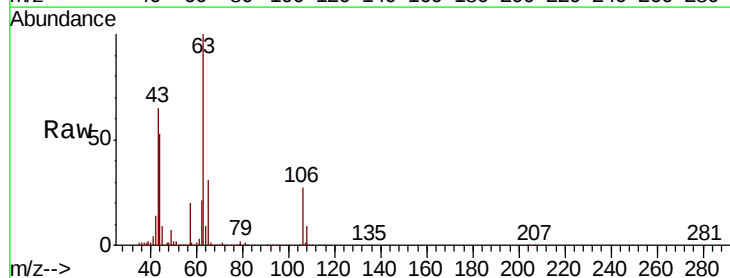
Acq: 11 May 2019 14:16

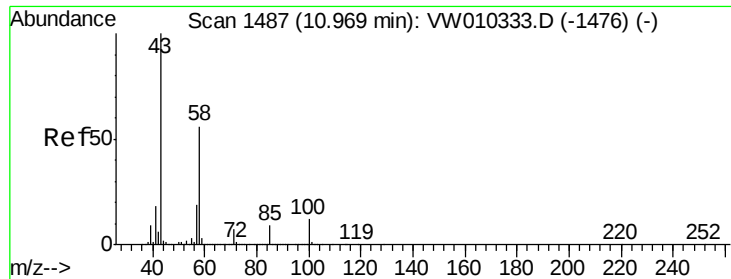
Tgt Ion: 63 Resp: 913613

Ion Ratio Lower Upper

63 100

106 26.5 21.4 32.0

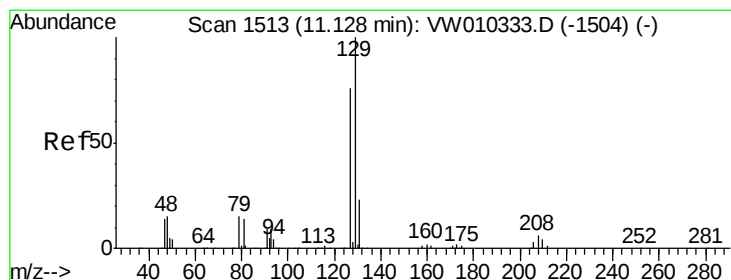
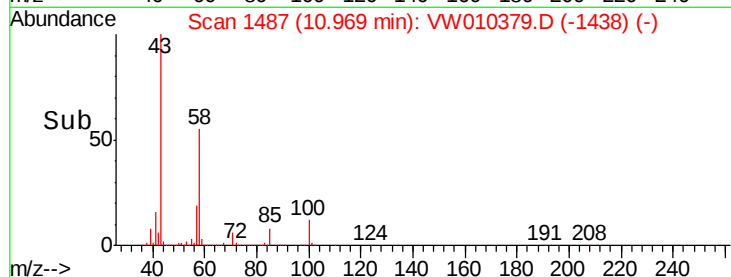
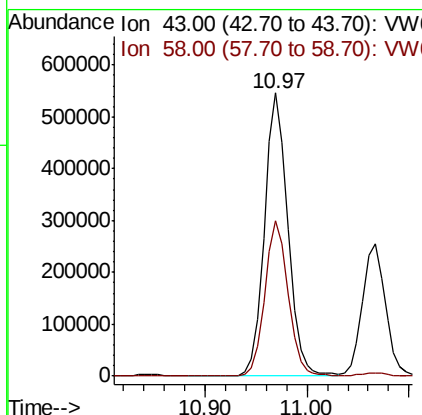
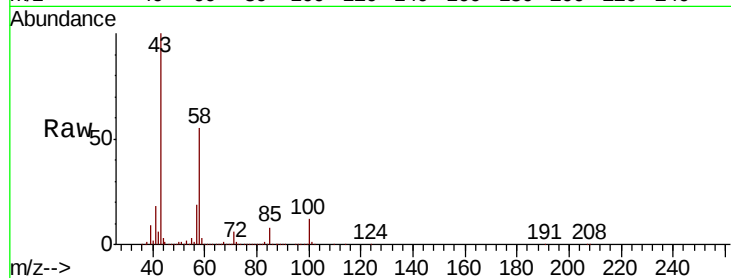




#59
2-Hexanone
Concen: 99.230 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010379.D
Acq: 11 May 2019 14:16

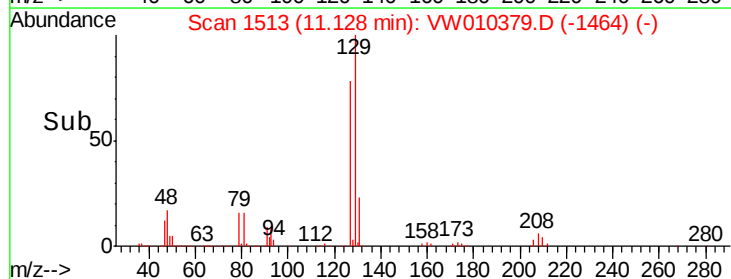
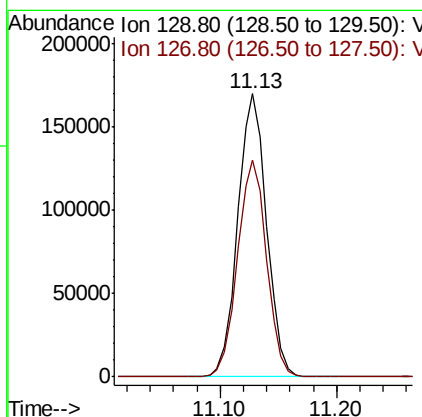
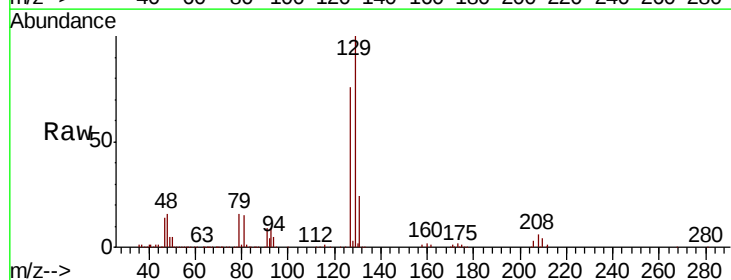
Instrument :
MSVOA_W
ClientSampled :

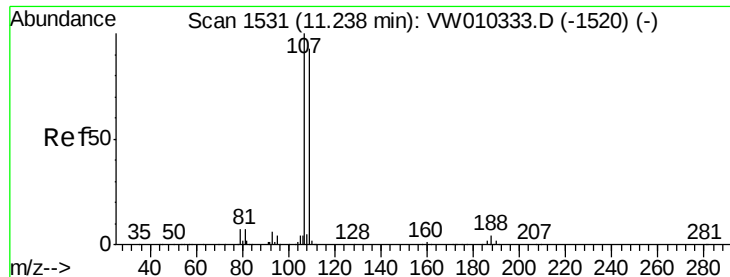
Tot Ion: 43 Resp: 870032
Ion Ratio Lower Upper
43 100
58 54.5 24.9 74.7



#60
Dibromochloromethane
Concen: 22.226 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010379.D
Acq: 11 May 2019 14:16

Tgt Ion: 129 Resp: 292583
Ion Ratio Lower Upper
129 100
127 77.0 38.6 116.0

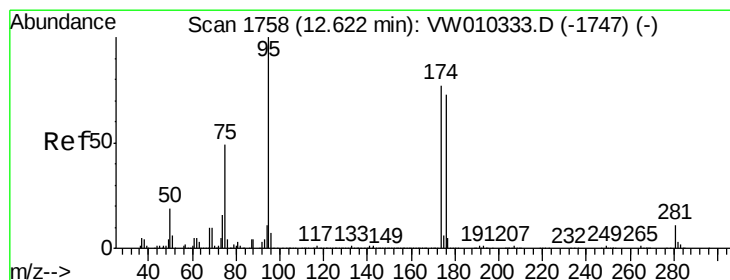
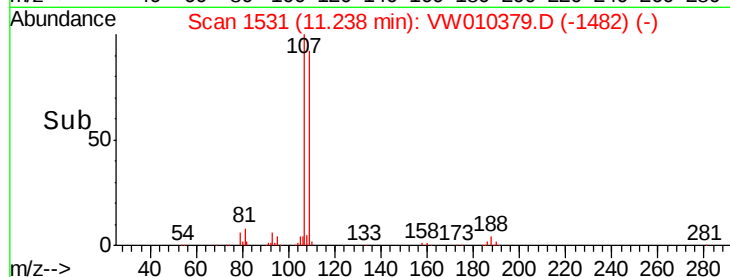
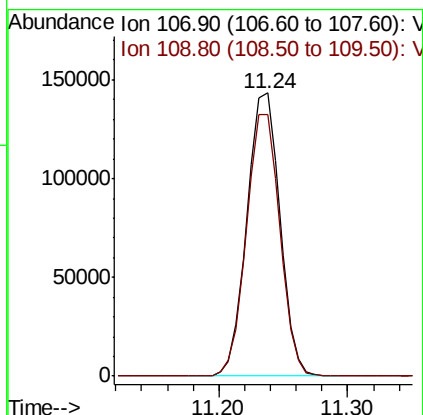
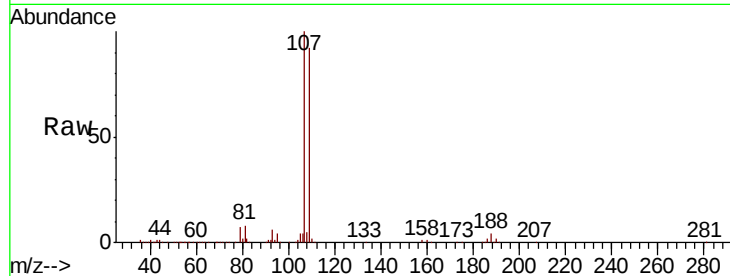




#61
 1,2-Dibromoethane
 Concen: 21.623 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW010379.D
 Acq: 11 May 2019 14:16

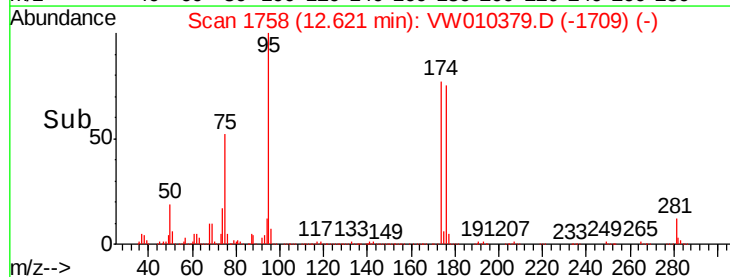
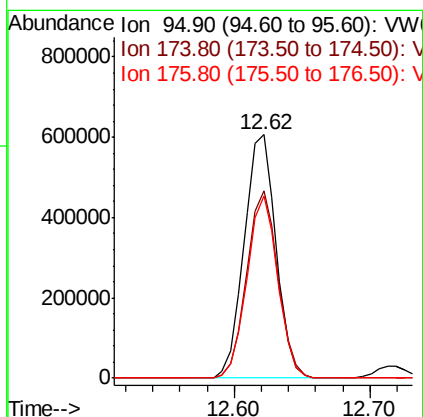
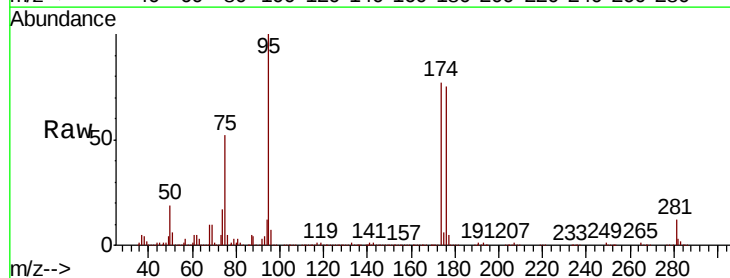
Instrument :
 MSVOA_W
 ClientSampleId :

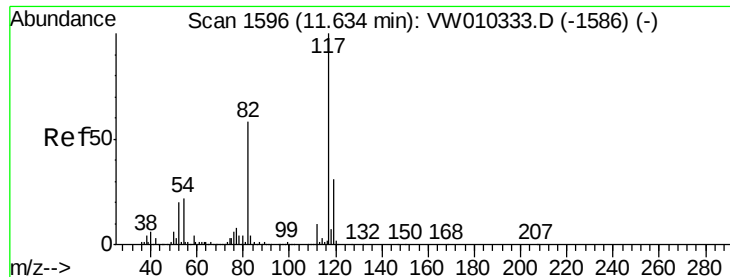
Tot Ion:107 Resp: 253935
 Ion Ratio Lower Upper
 107 100
 109 93.7 73.6 110.4



#62
 4-Bromofluorobenzene
 Concen: 52.464 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW010379.D
 Acq: 11 May 2019 14:16

Tgt Ion: 95 Resp: 994012
 Ion Ratio Lower Upper
 95 100
 174 75.6 0.0 151.4
 176 72.7 0.0 146.2

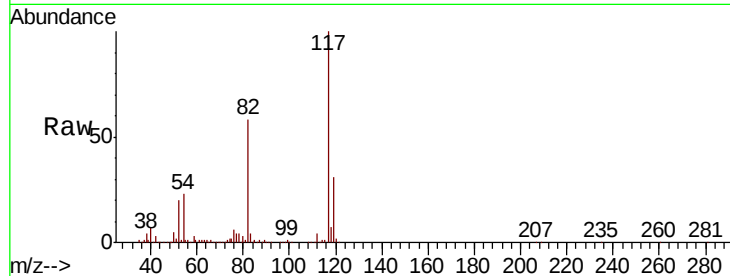




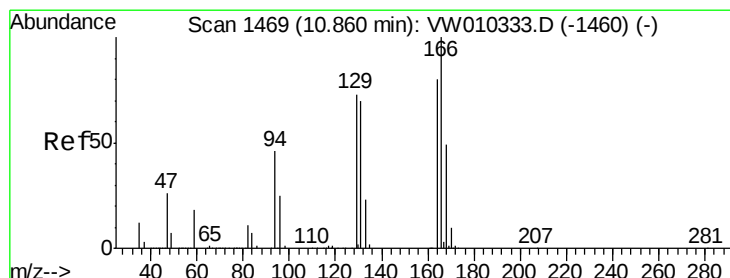
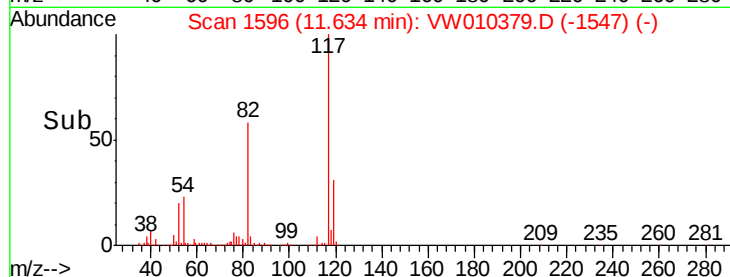
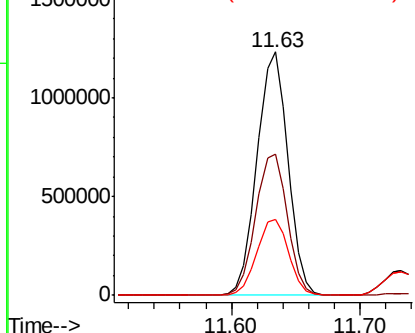
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010379.D
Acq: 11 May 2019 14:16

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 2046152
Ion Ratio Lower Upper
117 100
82 58.0 45.2 67.8
119 31.4 25.4 38.2

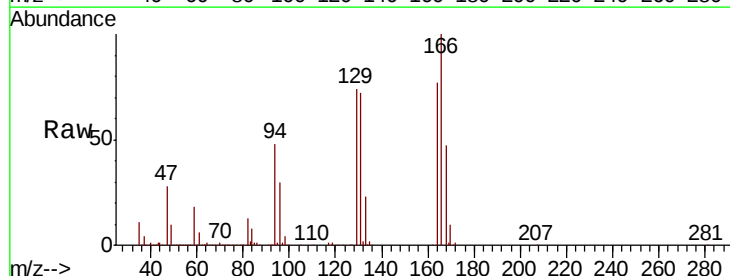


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

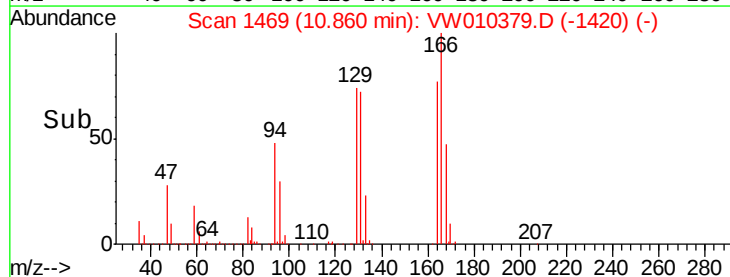
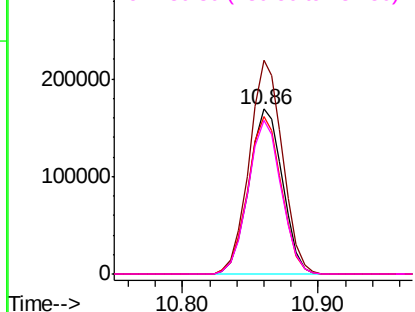


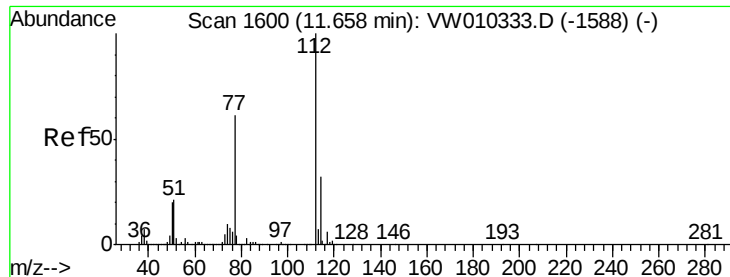
#64
Tetrachloroethene
Concen: 20.523 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010379.D
Acq: 11 May 2019 14:16

Tgt Ion:164 Resp: 293504
Ion Ratio Lower Upper
164 100
166 129.7 101.2 151.8
129 95.5 77.8 116.6
131 92.8 73.1 109.7



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





#65

Chlorobenzene

Concen: 21.781 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW010379.D

Acq: 11 May 2019 14:16

Instrument :

MSVOA_W

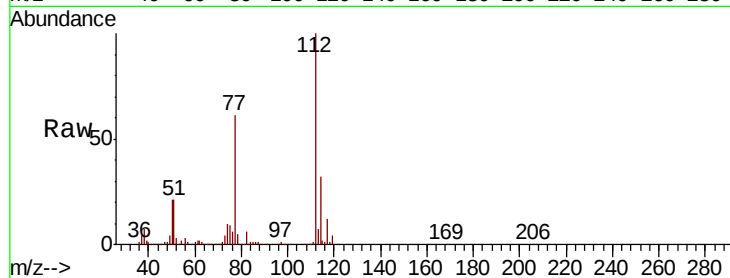
ClientSampleId :

Tot Ion:112 Resp: 922573

Ion Ratio Lower Upper

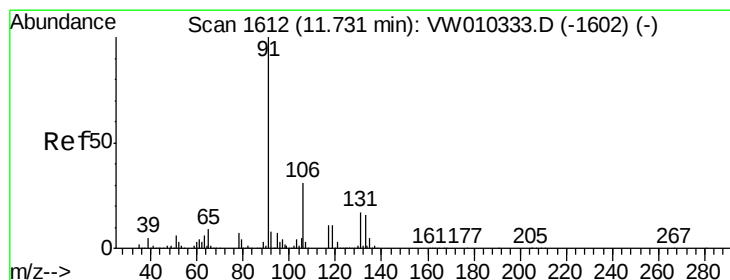
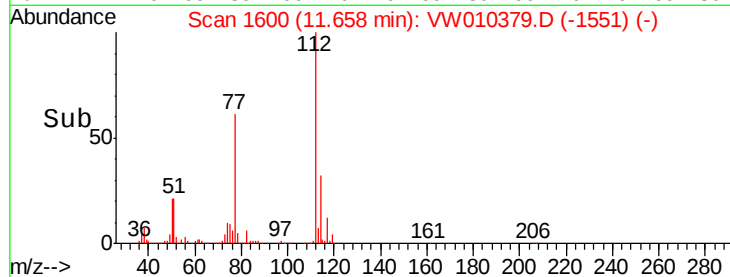
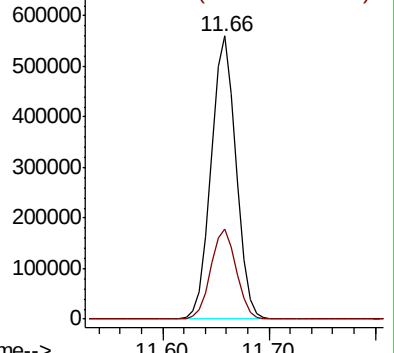
112 100

114 32.0 26.5 39.7



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 22.020 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW010379.D

Acq: 11 May 2019 14:16

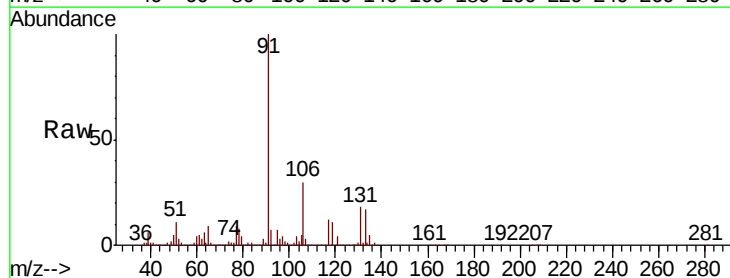
Tgt Ion:131 Resp: 315233

Ion Ratio Lower Upper

131 100

133 94.9 46.5 139.5

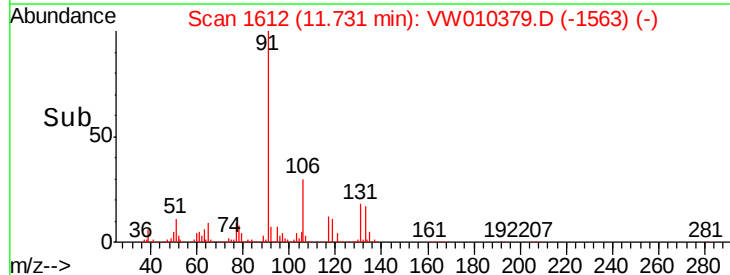
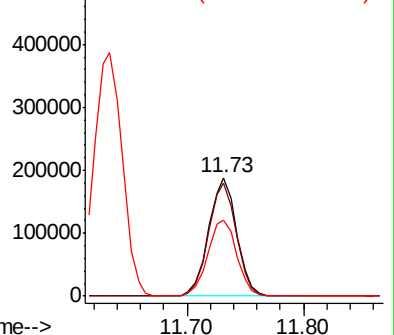
119 66.4 31.9 95.5

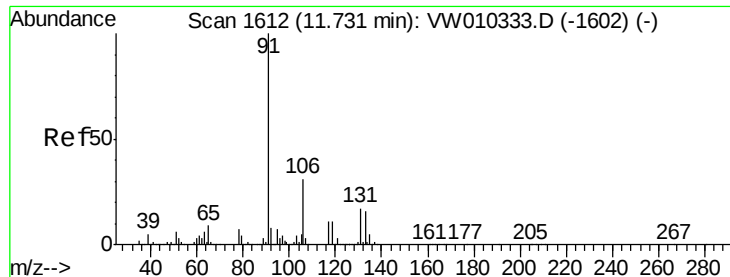


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

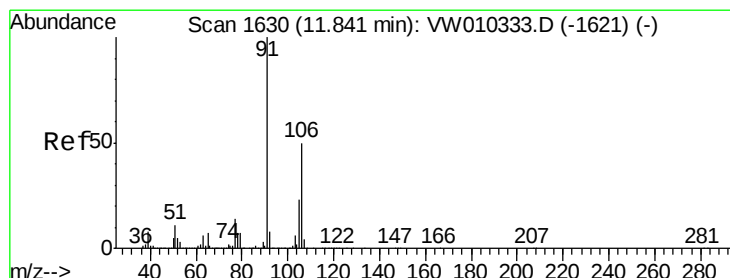
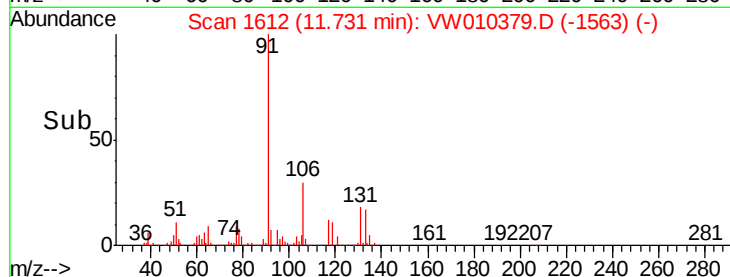
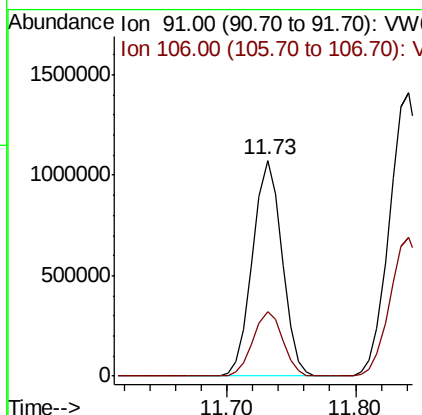
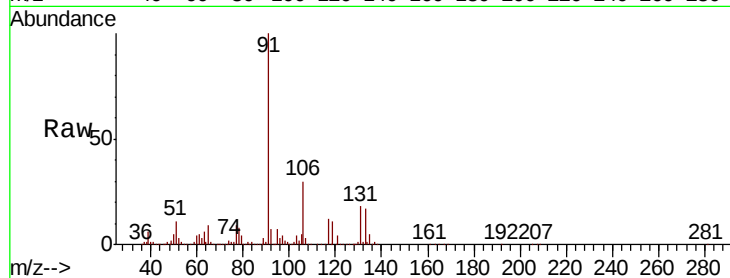




#67
Ethyl Benzene
Concen: 21.792 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010379.D
Acq: 11 May 2019 14:16

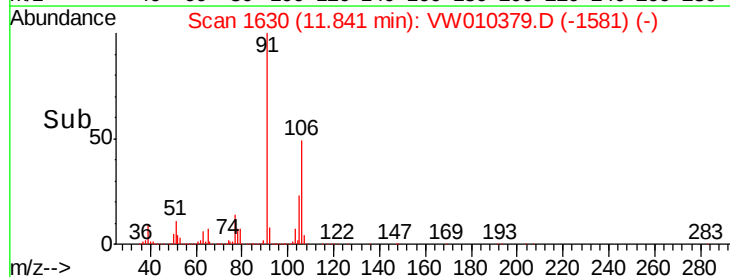
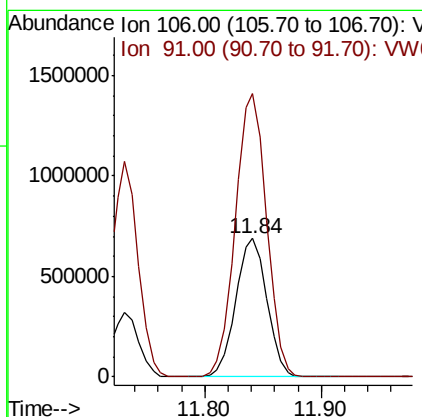
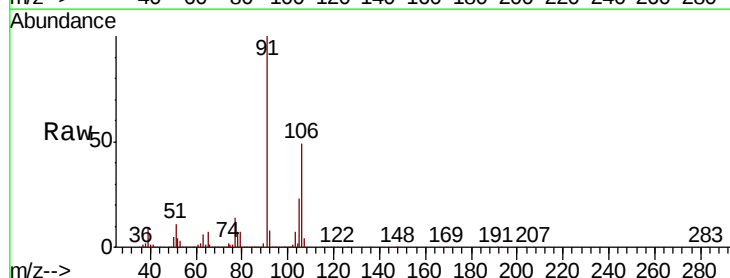
Instrument :
MSVOA_W
ClientSampled :

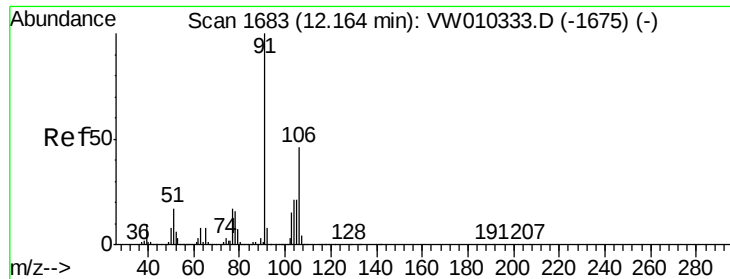
Tot Ion: 91 Resp: 1698009
Ion Ratio Lower Upper
91 100
106 30.1 23.8 35.8



#68
m/p-Xylenes
Concen: 44.364 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010379.D
Acq: 11 May 2019 14:16

Tgt Ion:106 Resp: 1284354
Ion Ratio Lower Upper
106 100
91 205.3 165.0 247.6

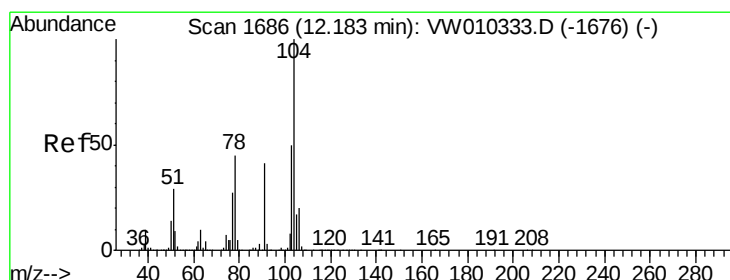
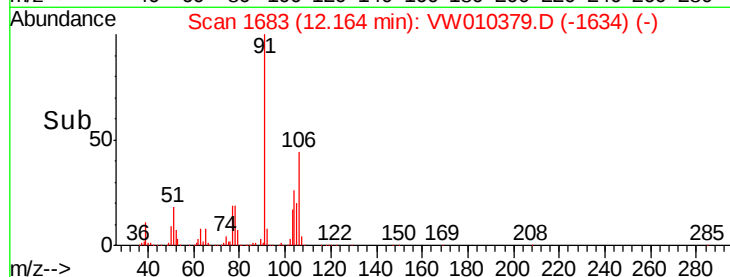
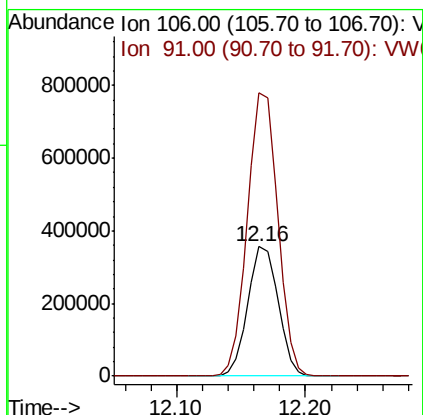
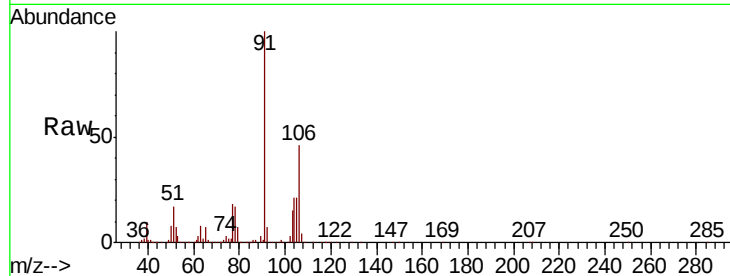




#69
o-Xylene
Concen: 22.171 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW010379.D
Acq: 11 May 2019 14:16

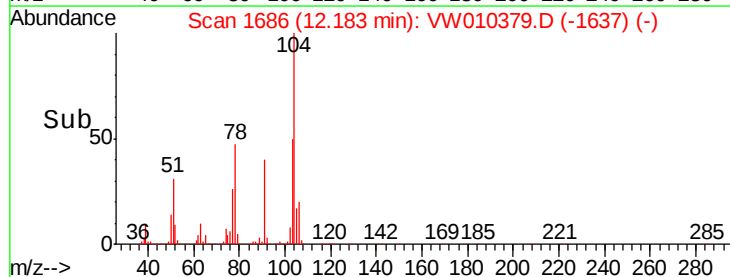
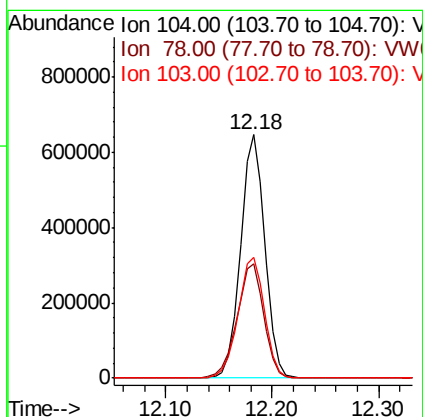
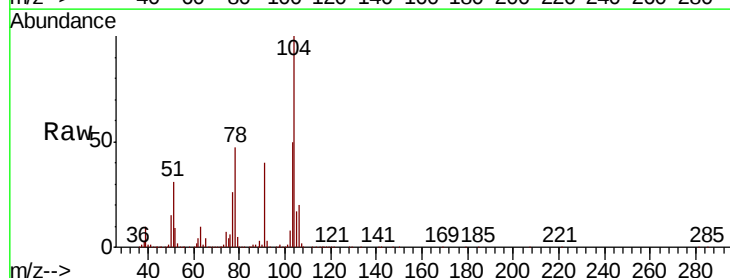
Instrument :
MSVOA_W
ClientSampled :

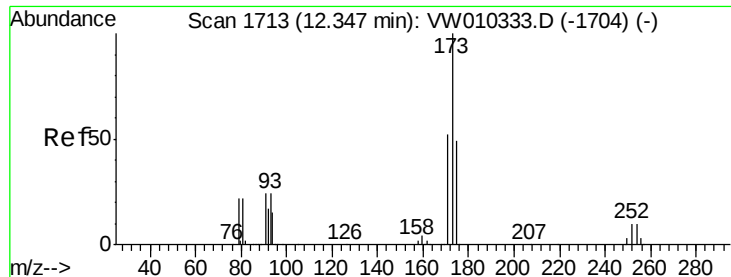
Tot Ion:106 Resp: 580643
Ion Ratio Lower Upper
106 100
91 218.7 110.5 331.4



#70
Styrene
Concen: 22.627 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010379.D
Acq: 11 May 2019 14:16

Tgt Ion:104 Resp: 1032511
Ion Ratio Lower Upper
104 100
78 51.9 42.5 63.7
103 54.0 43.6 65.4





#71

Bromoform

Concen: 20.526 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW010379.D

Acq: 11 May 2019 14:16

Instrument :

MSVOA_W

ClientSampled :

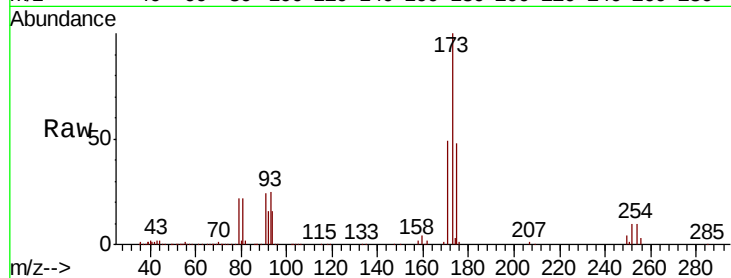
Tot Ion:173 Resp: 167976

Ion Ratio Lower Upper

173 100

175 48.8 23.8 71.4

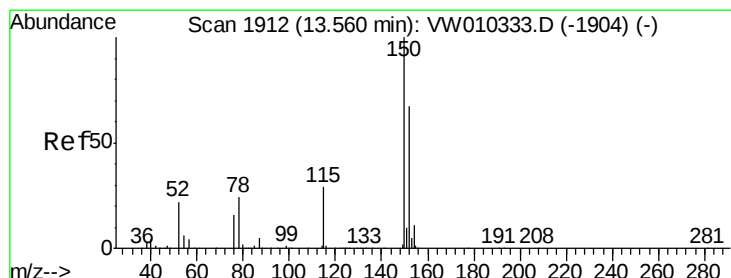
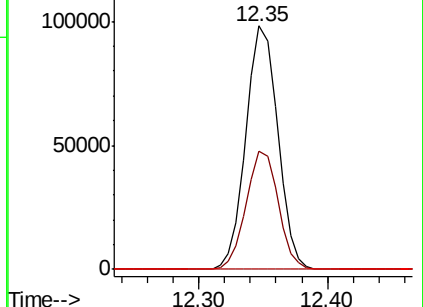
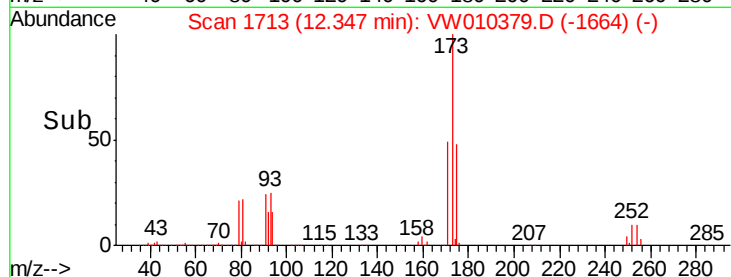
254 0.1 0.1 0.1



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: VW010379.D

Acq: 11 May 2019 14:16

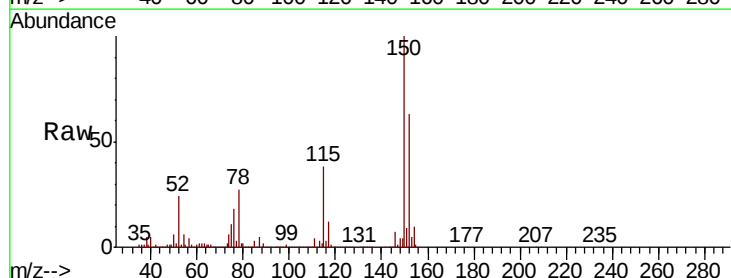
Tgt Ion:152 Resp: 1026997

Ion Ratio Lower Upper

152 100

115 60.5 30.4 91.2

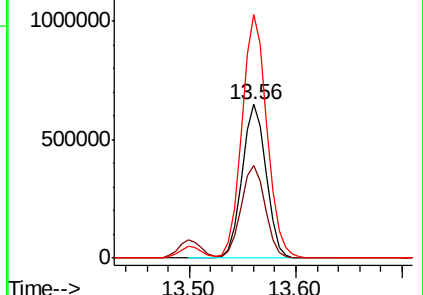
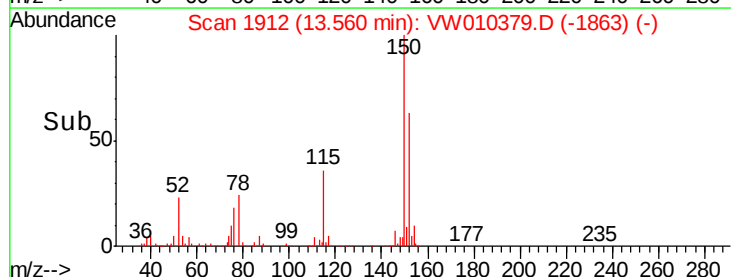
150 164.9 0.0 347.0

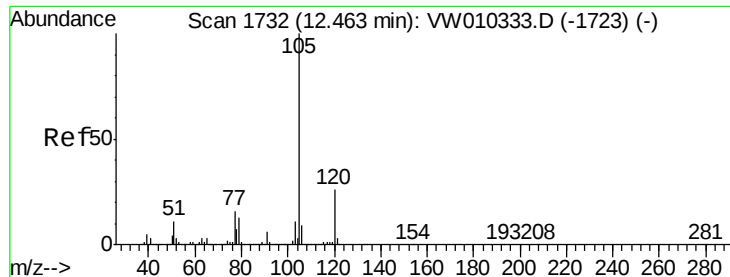


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.592 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW010379.D

Acq: 11 May 2019 14:16

Instrument :

MSVOA_W

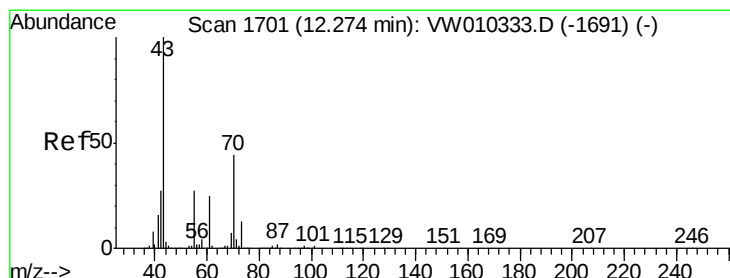
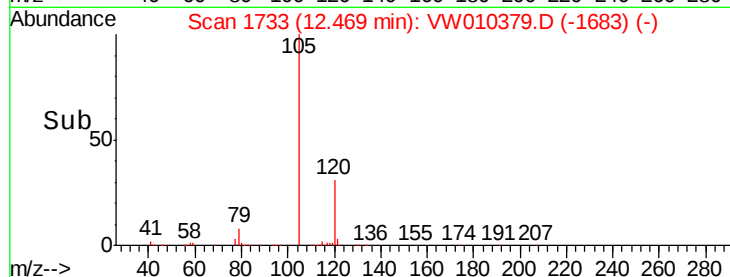
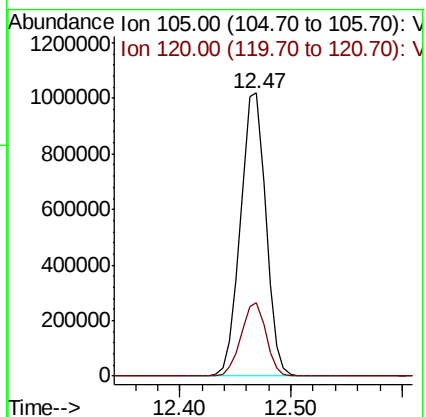
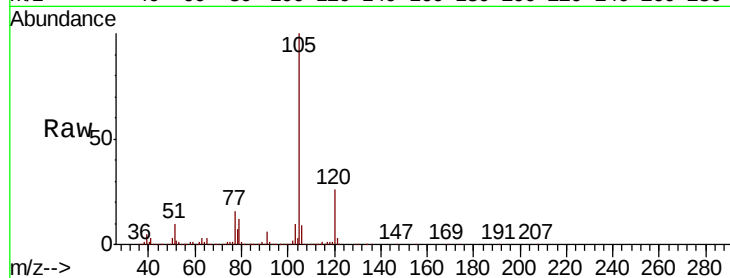
ClientSampled :

Tot Ion: 105 Resp: 1616299

Ion Ratio Lower Upper

105 100

120 25.5 13.1 39.1



#74

N-ethyl acetate

Concen: 21.364 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW010379.D

Acq: 11 May 2019 14:16

Tgt Ion: 43 Resp: 413167

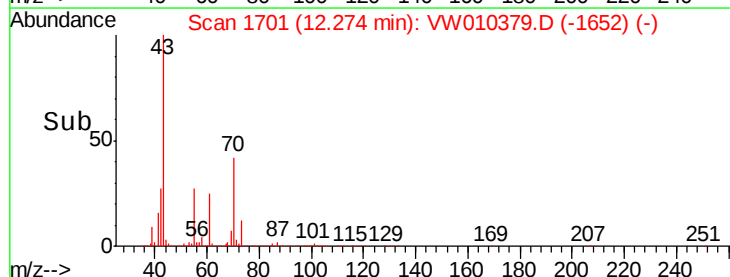
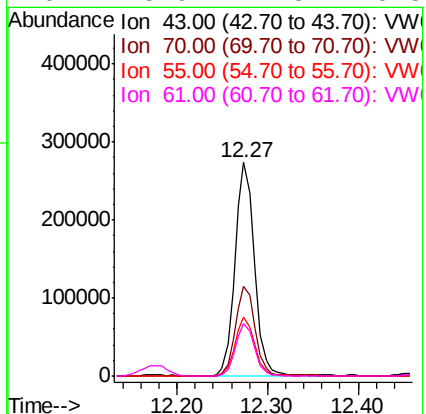
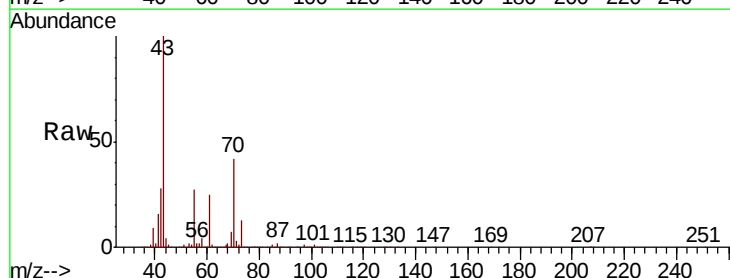
Ion Ratio Lower Upper

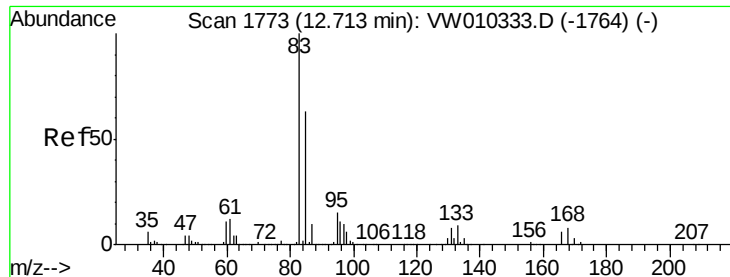
43 100

70 42.3 31.3 46.9

55 27.6 20.0 30.0

61 23.9 17.8 26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 20.138 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW010379.D

Acq: 11 May 2019 14:16

Instrument :

MSVOA_W

ClientSampled :

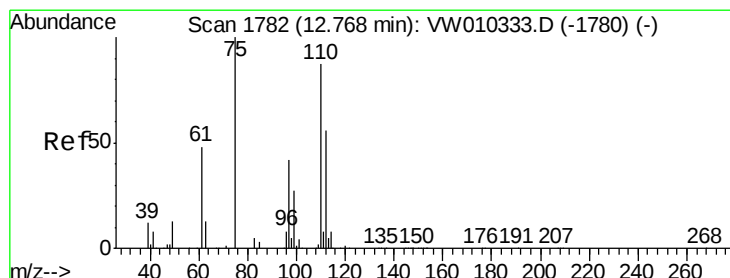
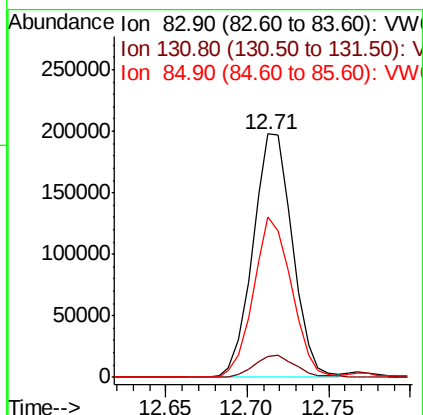
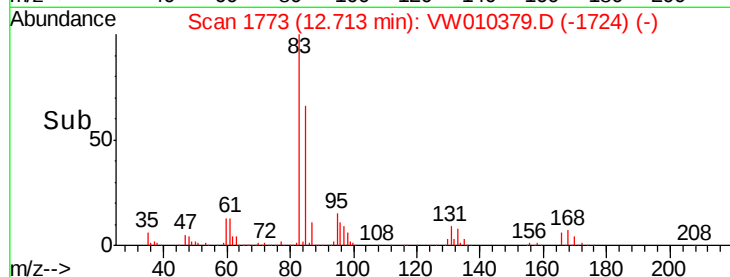
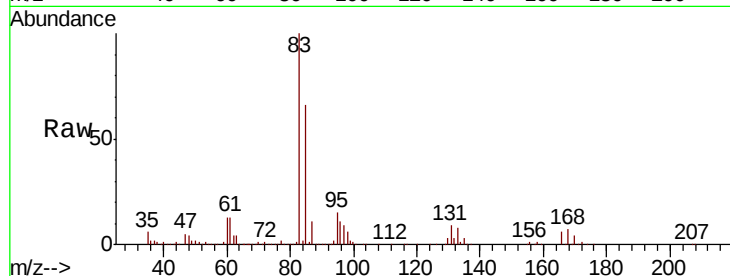
Tot Ion: 83 Resp: 332157

Ion Ratio Lower Upper

83 100

131 9.6 5.3 15.8

85 63.8 32.0 96.2



#76

1,2,3-Trichloropropane

Concen: 35.019 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW010379.D

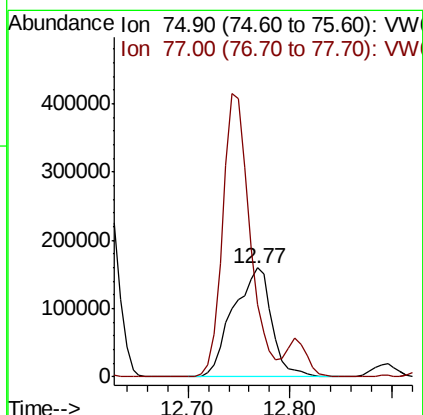
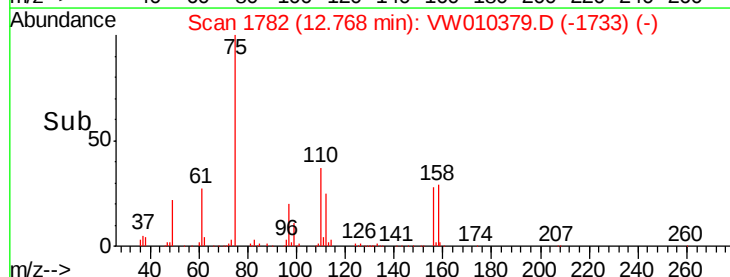
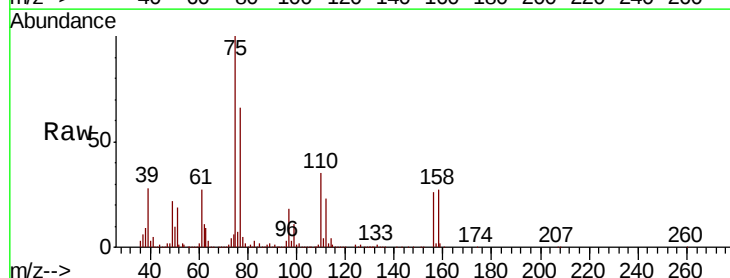
Acq: 11 May 2019 14:16

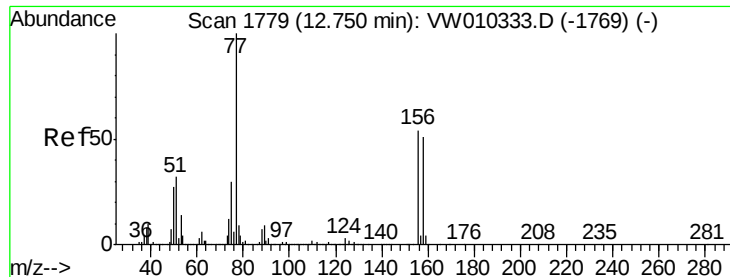
Tgt Ion: 75 Resp: 419313

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

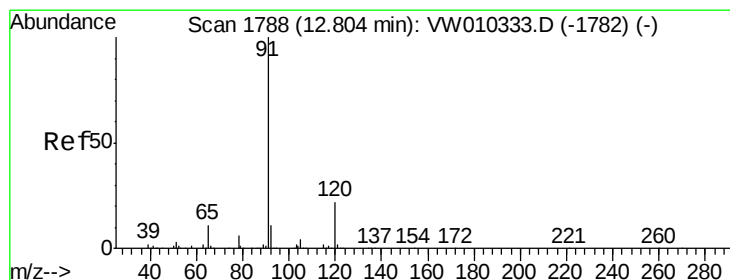
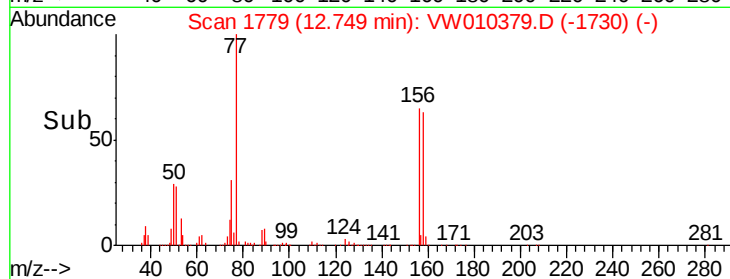
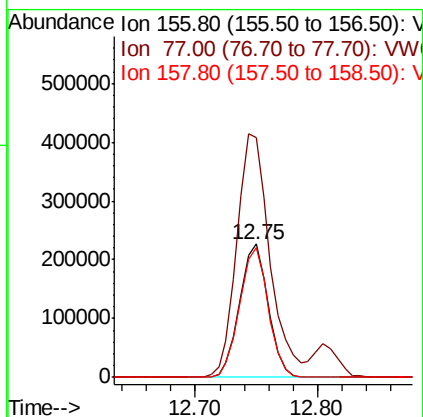
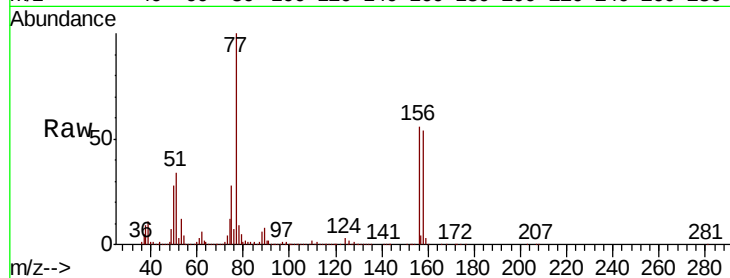




#77
Bromobenzene
Concen: 21.716 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. -0.00 min
Lab File: VW010379.D
Acq: 11 May 2019 14:16

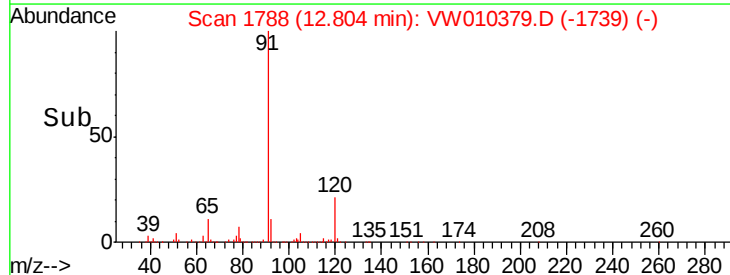
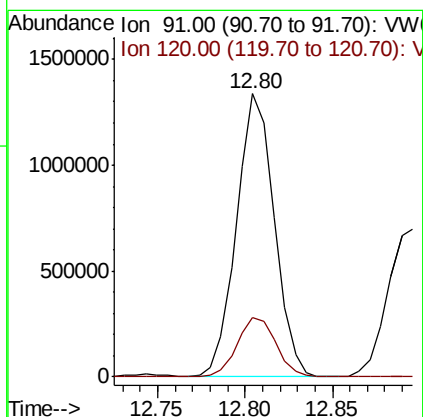
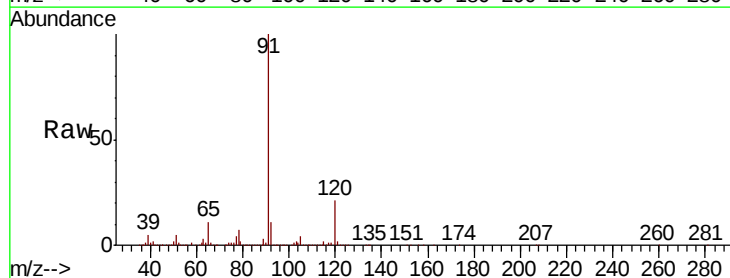
Instrument :
MSVOA_W
ClientSampleId :

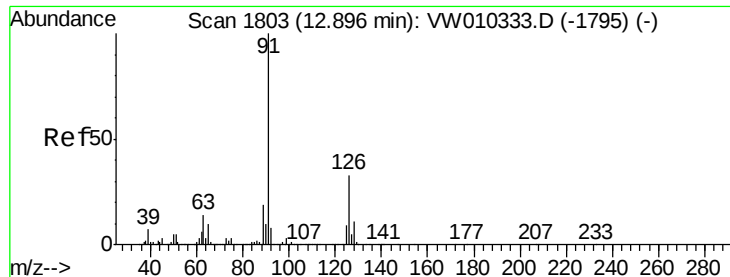
Tot Ion:156 Resp: 367060
Ion Ratio Lower Upper
156 100
77 210.4 102.5 307.4
158 97.5 48.8 146.4



#78
n-propylbenzene
Concen: 21.779 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW010379.D
Acq: 11 May 2019 14:16

Tgt Ion: 91 Resp: 2013570
Ion Ratio Lower Upper
91 100
120 21.7 11.1 33.1





#79

2-Chlorotoluene

Concen: 21.706 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW010379.D

Acq: 11 May 2019 14:16

Instrument :

MSVOA_W

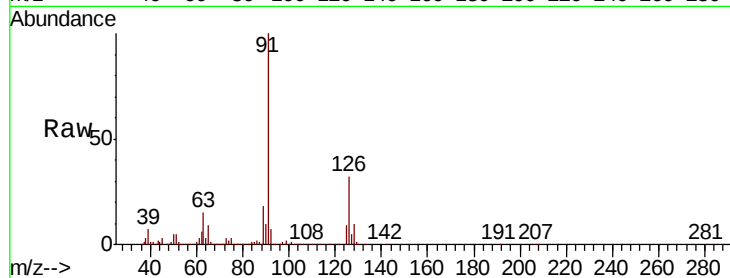
ClientSampleId :

Tot Ion: 91 Resp: 1142838

Ion Ratio Lower Upper

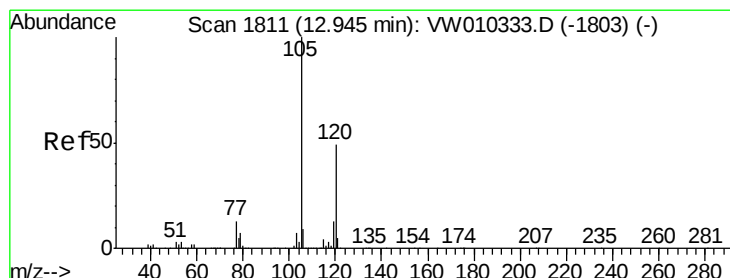
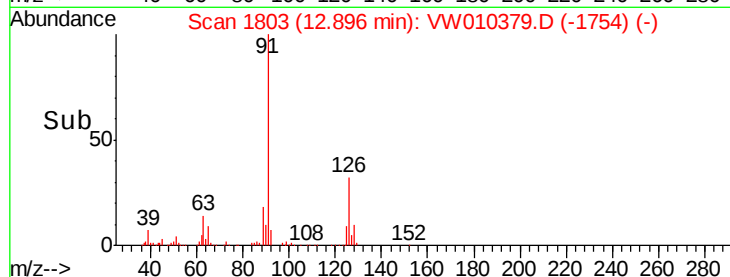
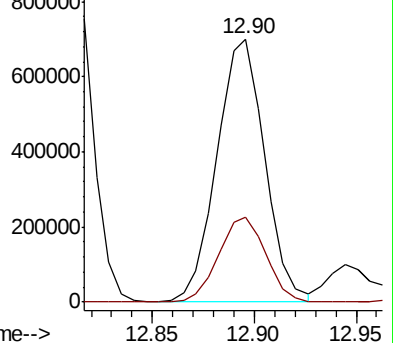
91 100

126 31.9 16.3 48.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 22.104 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010379.D

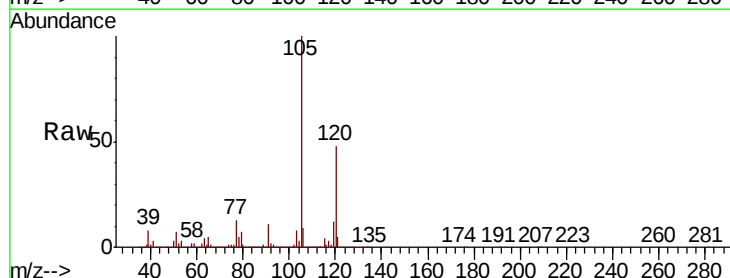
Acq: 11 May 2019 14:16

Tgt Ion:105 Resp: 1394986

Ion Ratio Lower Upper

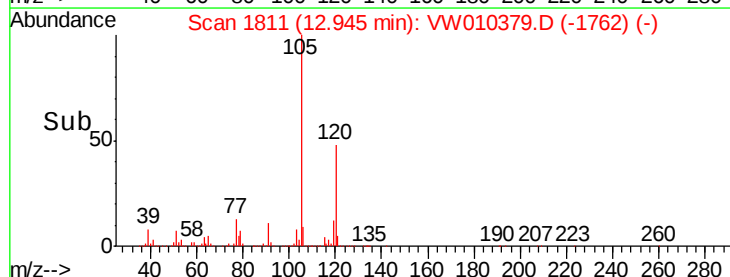
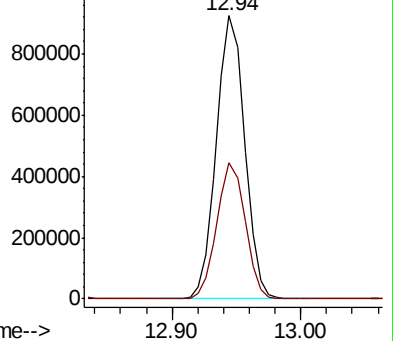
105 100

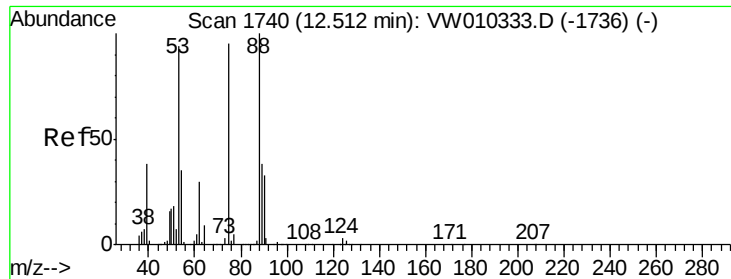
120 48.3 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 18.888 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW010379.D

Acq: 11 May 2019 14:16

Instrument :

MSVOA_W

ClientSampleId :

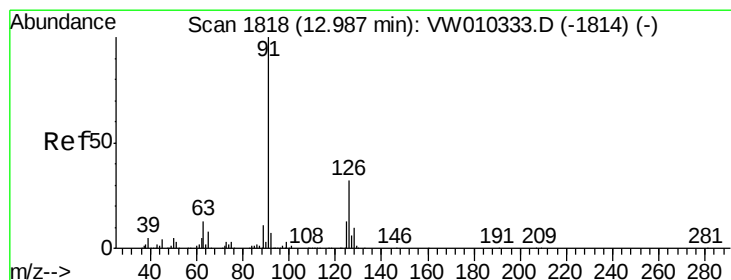
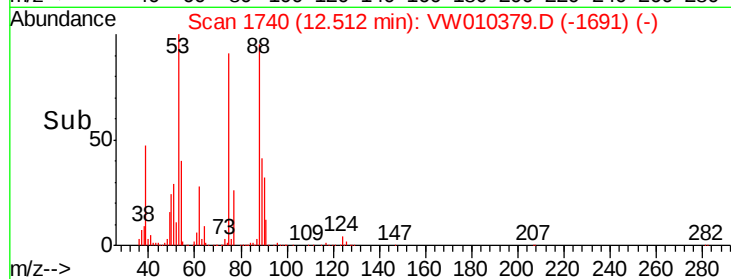
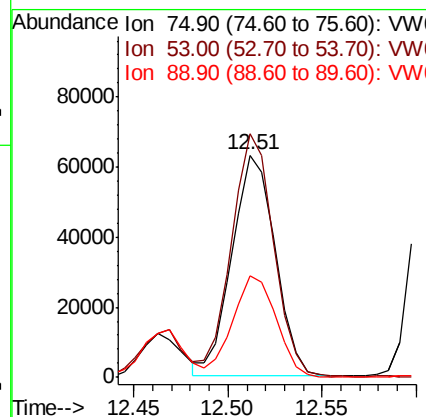
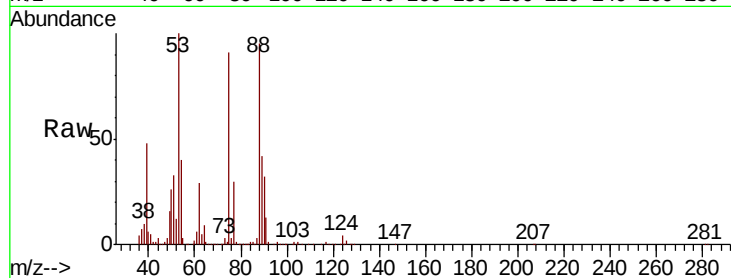
Tot Ion: 75 Resp: 100149

Ion	Ratio	Lower	Upper
75	100		
53	108.4	89.8	134.8
89	46.8	36.6	54.8

75 100

53 108.4 89.8 134.8

89 46.8 36.6 54.8



#82

4-Chlorotoluene

Concen: 21.846 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VW010379.D

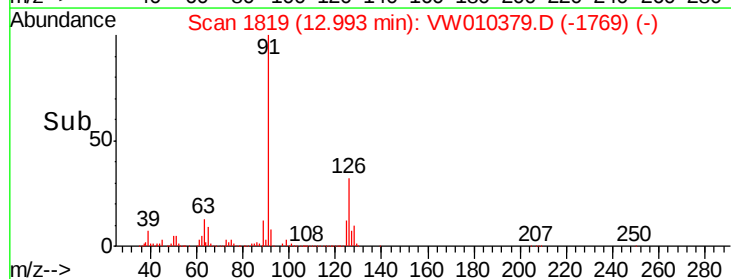
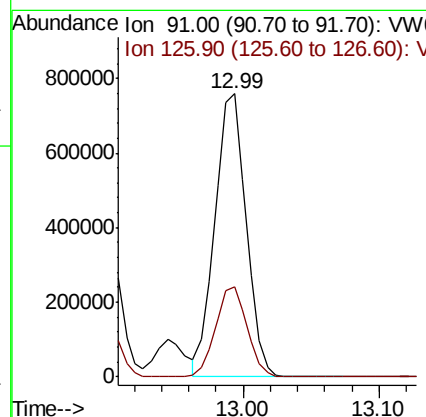
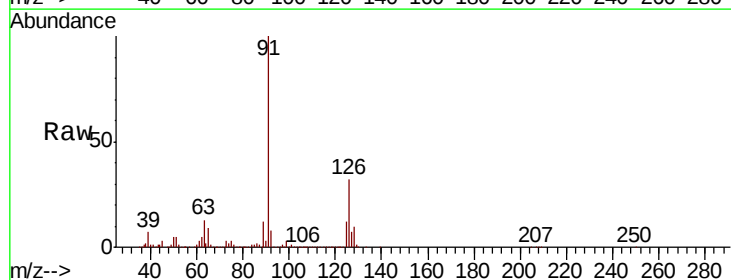
Acq: 11 May 2019 14:16

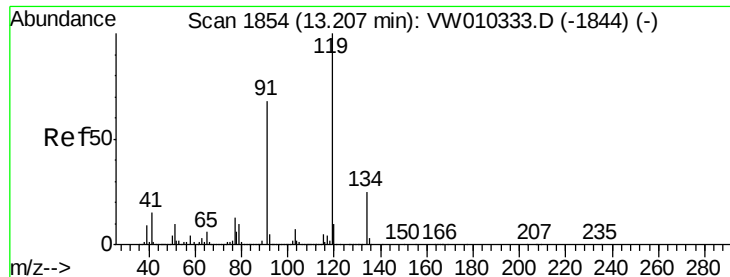
Tgt Ion: 91 Resp: 1205164

Ion	Ratio	Lower	Upper
91	100		
126	32.1	16.4	49.1

91 100

126 32.1 16.4 49.1





#83

tert-Butylbenzene

Concen: 21.176 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VW010379.D

Acq: 11 May 2019 14:16

Instrument :

MSVOA_W

ClientSampleId :

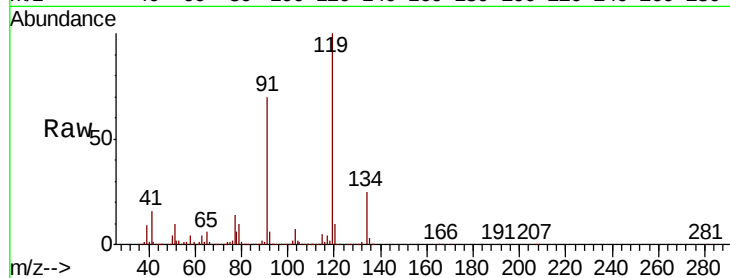
Tot Ion:119 Resp: 1114653

Ion Ratio Lower Upper

119 100

91 69.3 34.8 104.4

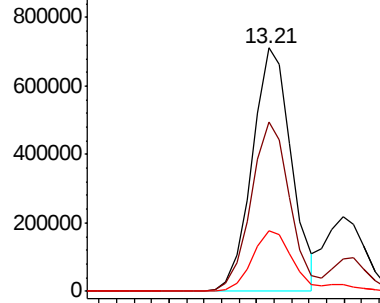
134 27.7 13.7 41.1



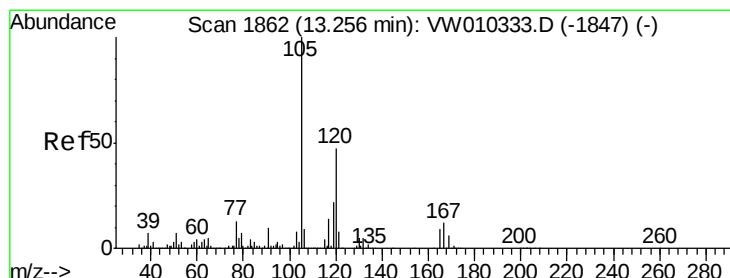
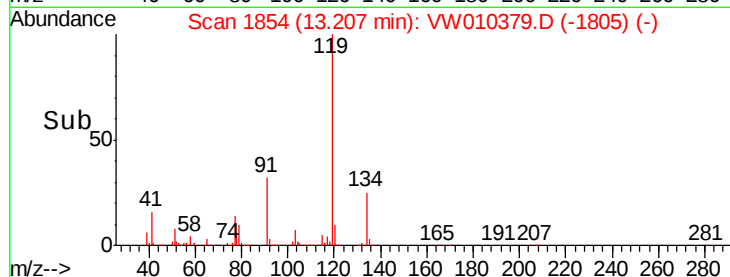
Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#84

1,2,4-Trimethylbenzene

Concen: 22.556 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. -0.00 min

Lab File: VW010379.D

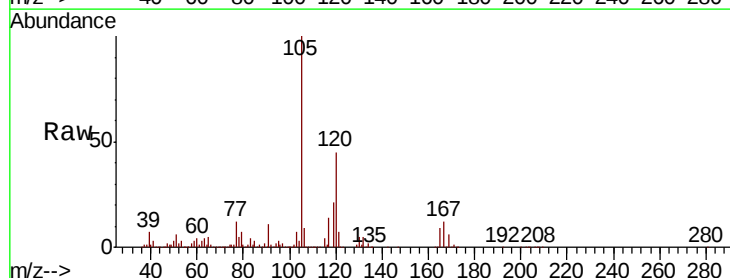
Acq: 11 May 2019 14:16

Tgt Ion:105 Resp: 1414538

Ion Ratio Lower Upper

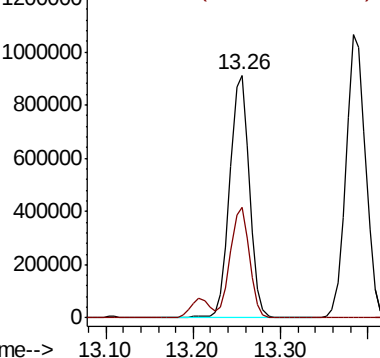
105 100

120 44.8 22.6 67.7

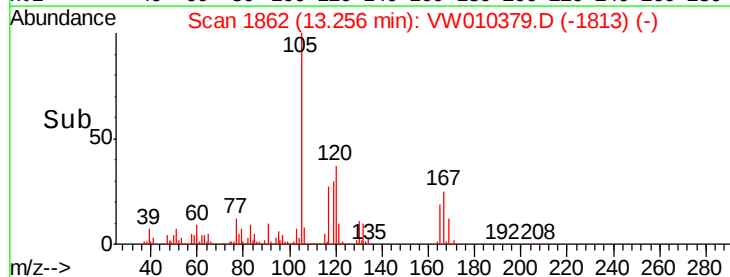


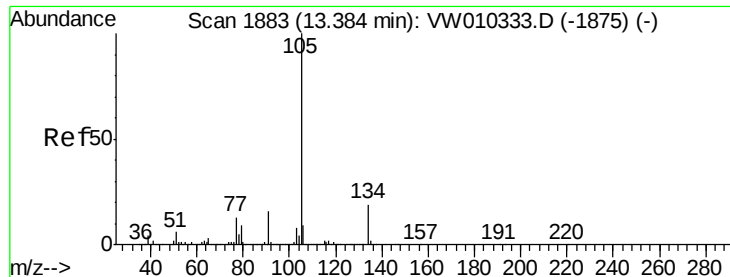
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->

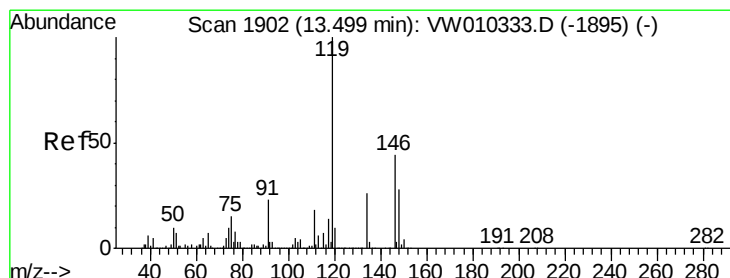
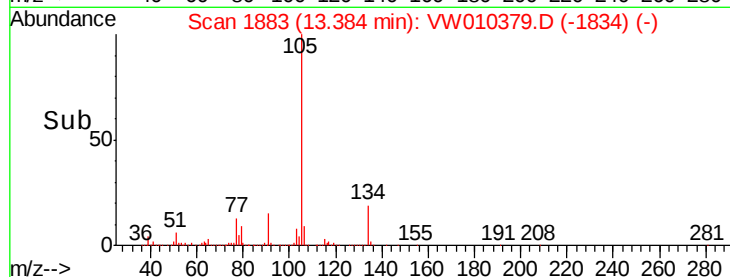
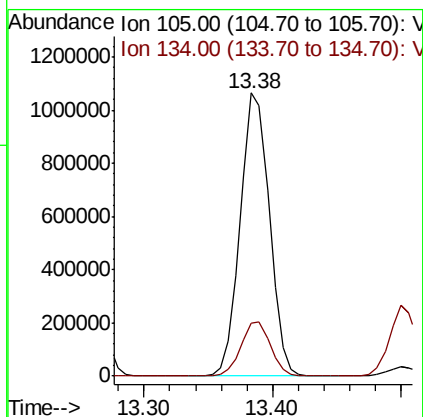
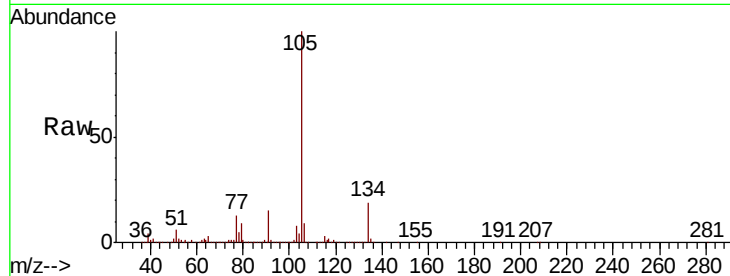




#85
 sec-Butylbenzene
 Concen: 21.411 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW010379.D
 Acq: 11 May 2019 14:16

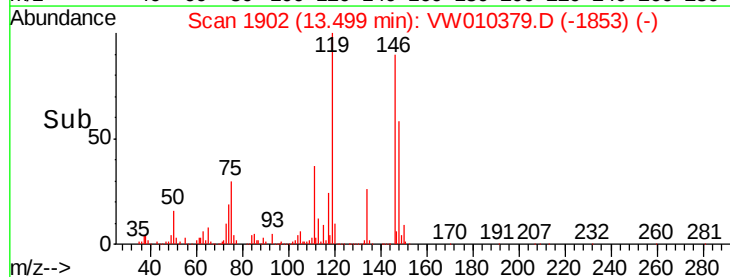
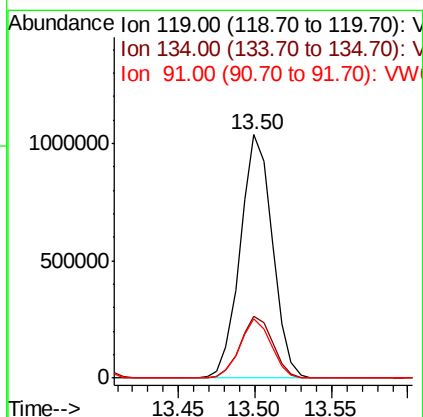
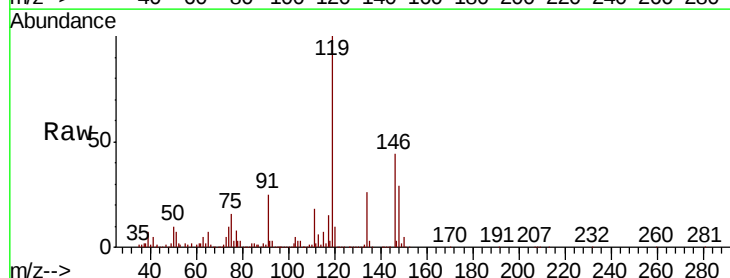
Instrument :
 MSVOA_W
 ClientSampled :

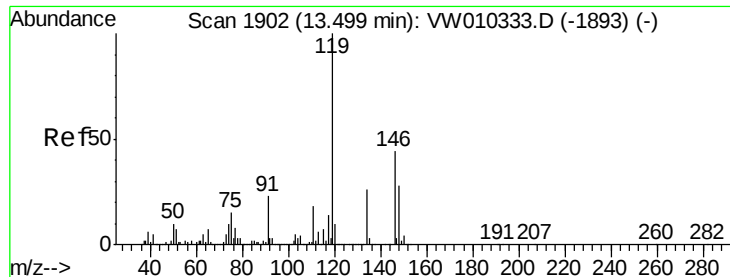
Tot Ion:105 Resp: 1663745
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 21.974 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010379.D
 Acq: 11 May 2019 14:16

Tgt Ion:119 Resp: 1516055
 Ion Ratio Lower Upper
 119 100
 134 25.6 13.0 38.9
 91 23.6 12.3 36.9

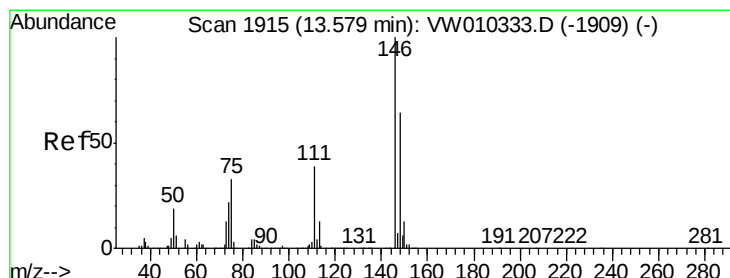
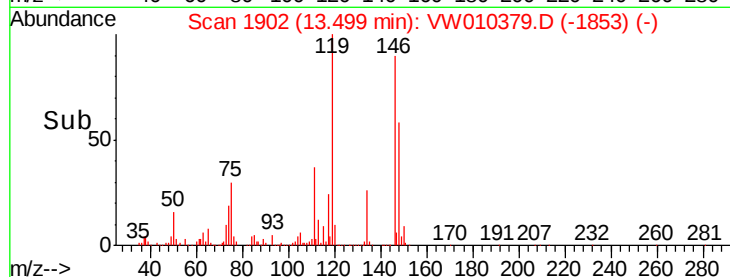
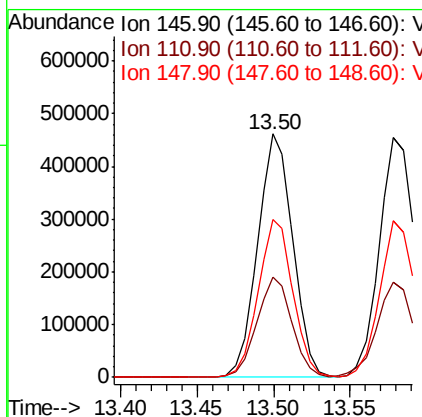
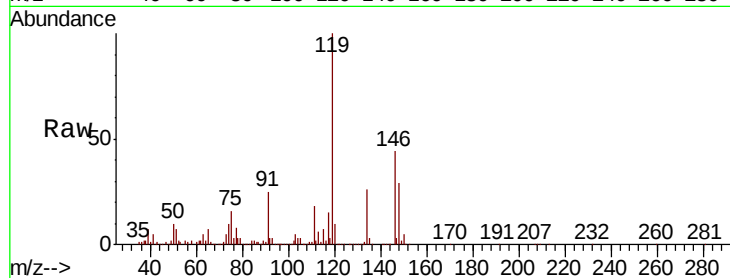




#87
 1,3-Dichlorobenzene
 Concen: 21.888 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010379.D
 Acq: 11 May 2019 14:16

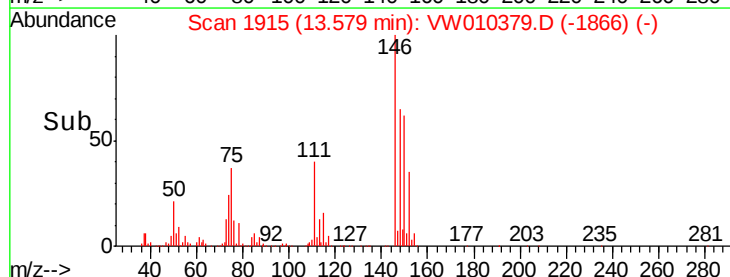
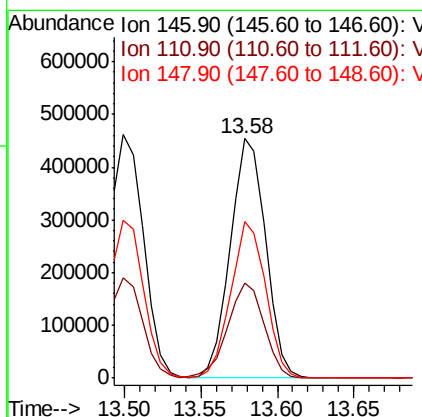
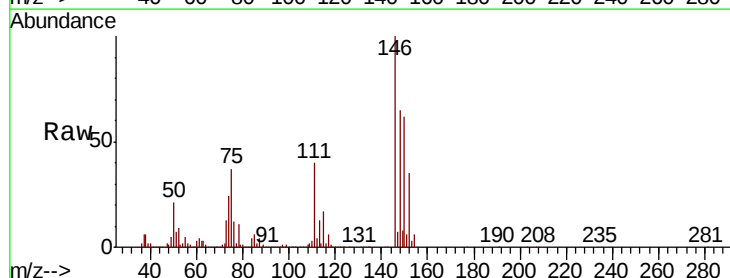
Instrument :
 MSVOA_W
 ClientSampleId :

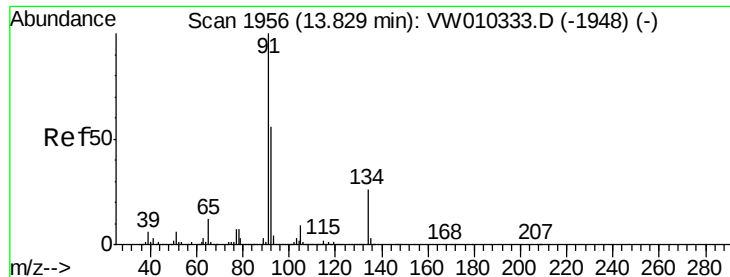
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.3	61.0
148	64.1	32.0	96.2



#88
 1,4-Dichlorobenzene
 Concen: 21.733 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW010379.D
 Acq: 11 May 2019 14:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.1	60.3
148	64.4	31.8	95.3

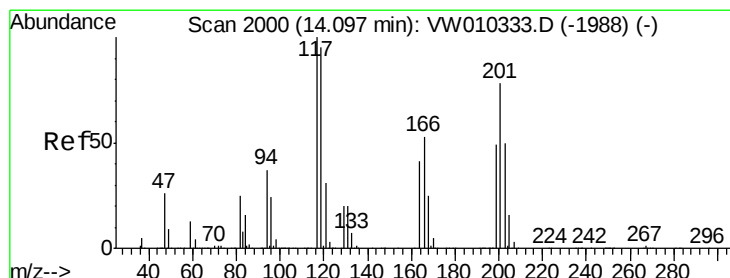
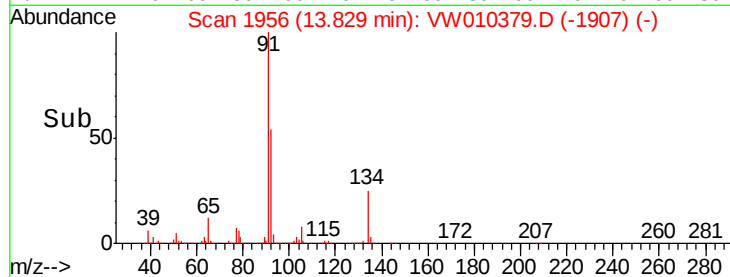
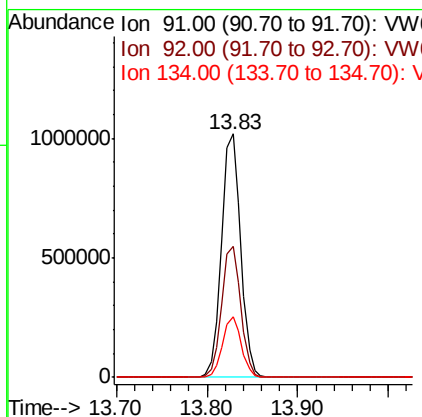
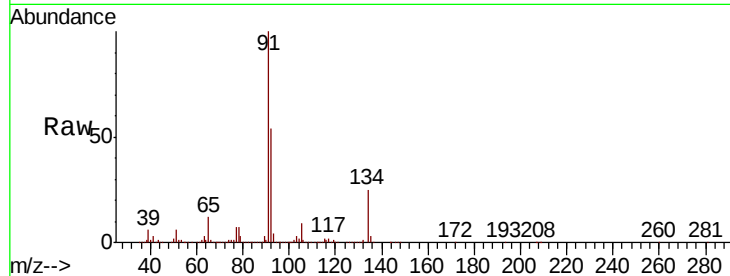




#89
n-Butylbenzene
Concen: 21.631 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW010379.D
Acq: 11 May 2019 14:16

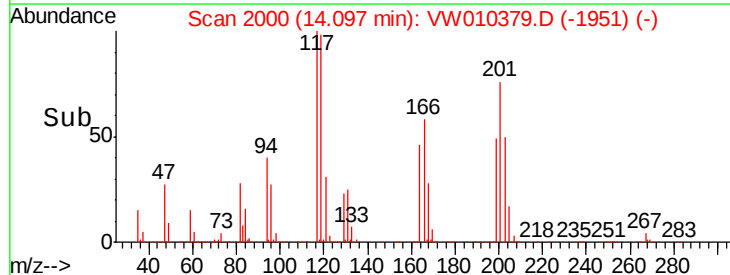
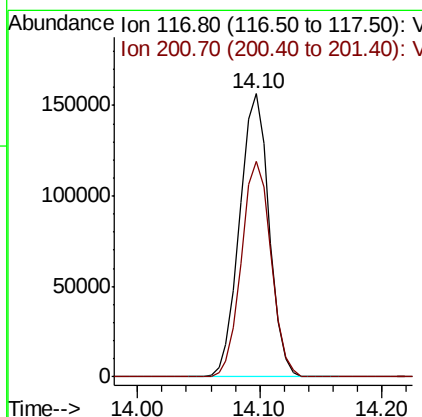
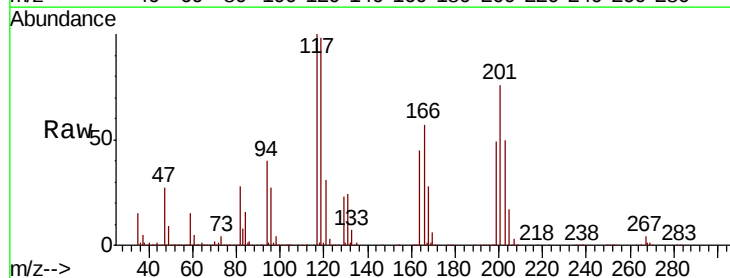
Instrument :
MSVOA_W
ClientSampleId :

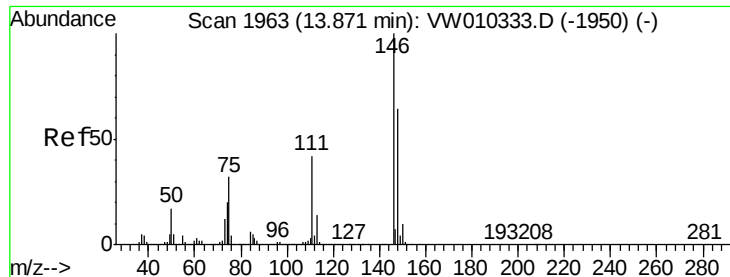
Tot Ion: 91 Resp: 1496428
Ion Ratio Lower Upper
91 100
92 54.1 26.5 79.4
134 24.4 12.4 37.0



#90
Hexachloroethane
Concen: 20.457 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW010379.D
Acq: 11 May 2019 14:16

Tgt Ion: 117 Resp: 261786
Ion Ratio Lower Upper
117 100
201 76.8 36.1 108.3

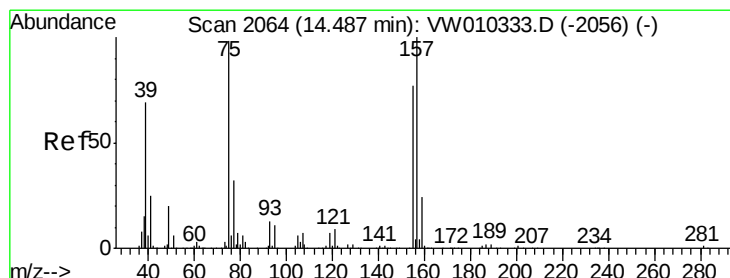
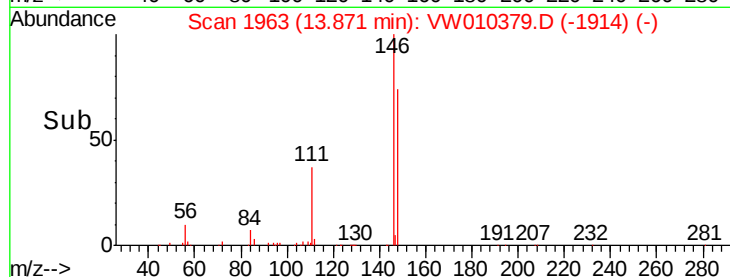
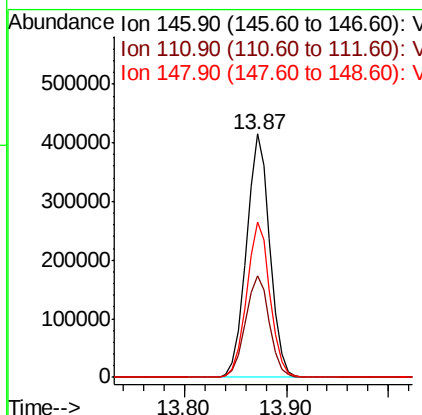
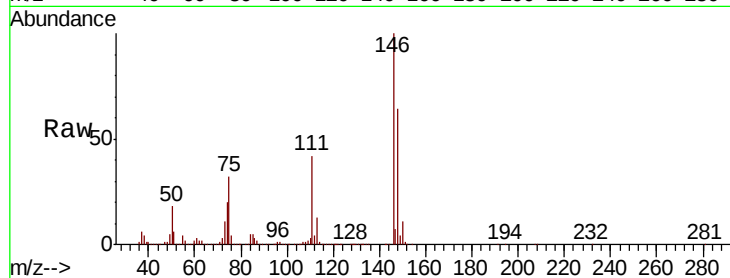




#91
 1,2-Dichlorobenzene
 Concen: 22.052 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW010379.D
 Acq: 11 May 2019 14:16

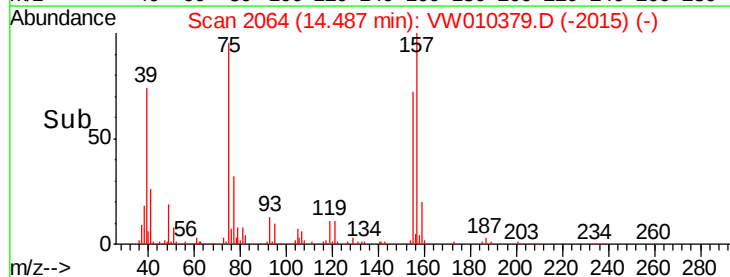
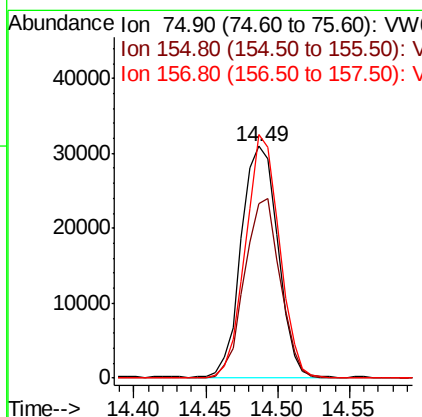
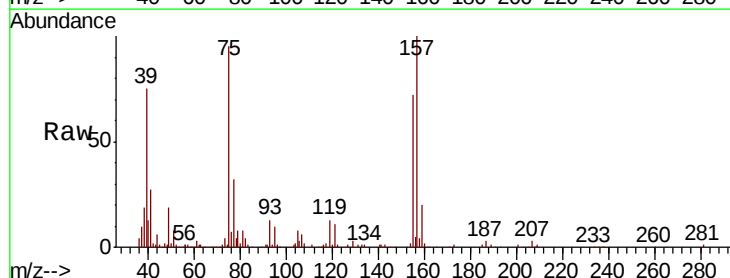
Instrument :
 MSVOA_W
 ClientSampleId :

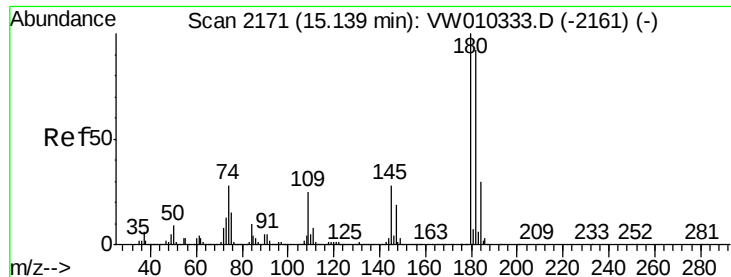
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	20.9	62.8
148	63.9	31.9	95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.330 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW010379.D
 Acq: 11 May 2019 14:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.5	37.1	111.5
157	97.1	47.3	141.9

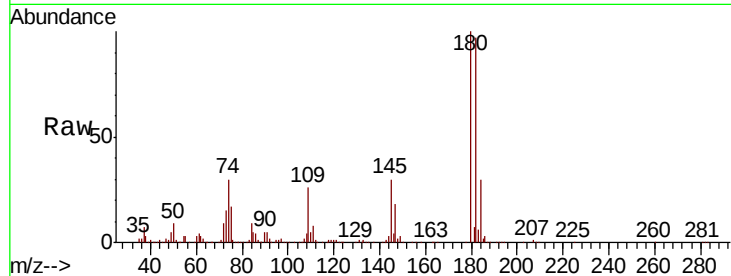




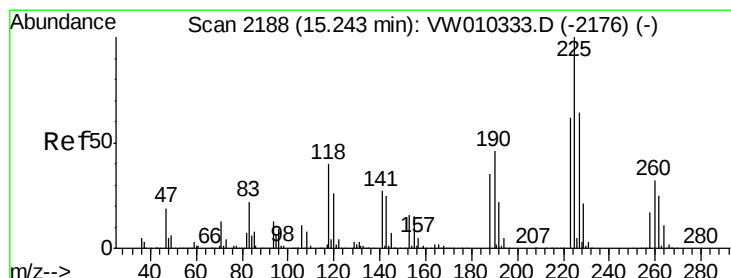
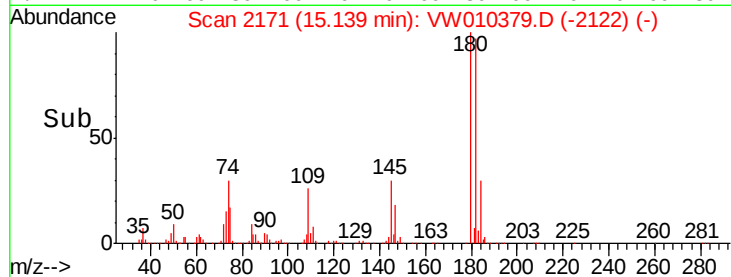
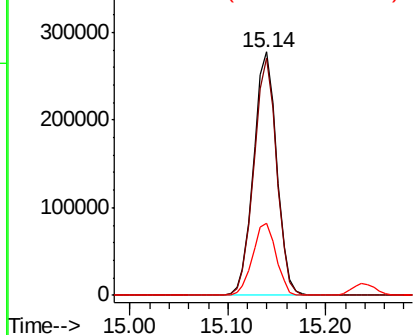
#93
 1,2,4-Trichlorobenzene
 Concen: 22.392 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010379.D
 Acq: 11 May 2019 14:16

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.1	141.4
145	30.2	15.2	45.6

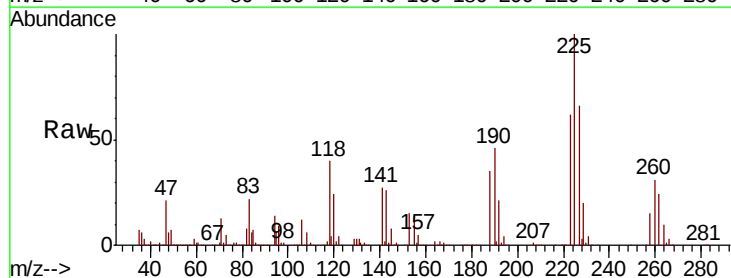


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

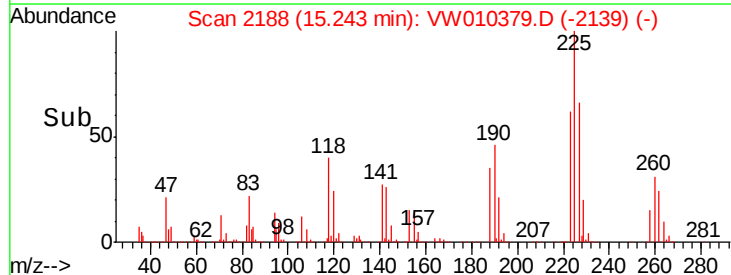
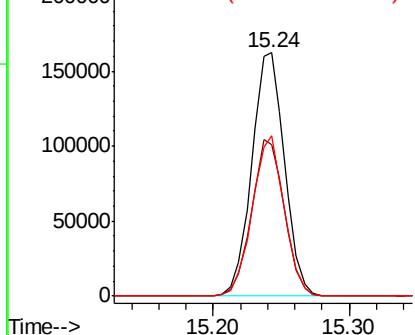


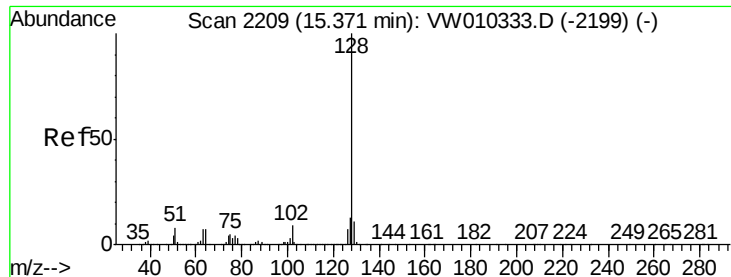
#94
 Hexachlorobutadiene
 Concen: 20.967 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW010379.D
 Acq: 11 May 2019 14:16

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.1	31.9	95.5
227	64.0	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

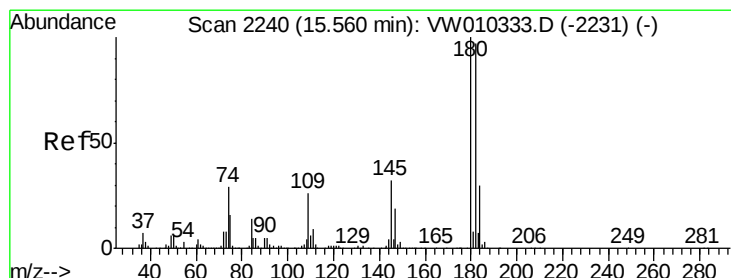
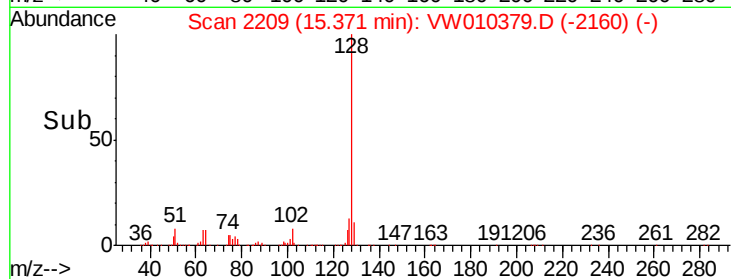
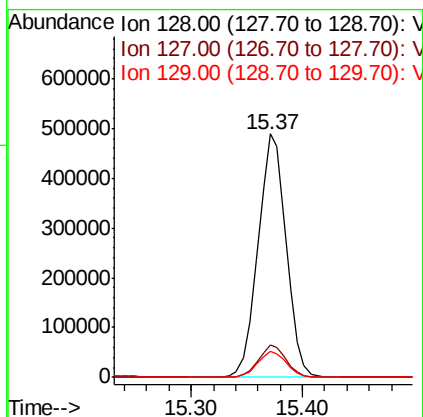
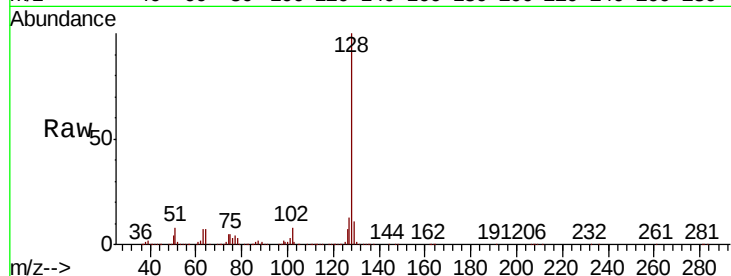




#95
Naphthalene
Concen: 20.746 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010379.D
Acq: 11 May 2019 14:16

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 860853
Ion Ratio Lower Upper
128 100
127 13.2 10.6 15.8
129 10.7 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 22.678 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010379.D
Acq: 11 May 2019 14:16

Tgt Ion:180 Resp: 417760
Ion Ratio Lower Upper
180 100
182 93.9 47.8 143.3
145 32.0 16.4 49.2

