

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091719\
 Data File : VW013084.D
 Acq On : 17 Sep 2019 12:37
 Operator : SY/VA
 Sample : K4851-03MSD
 Misc : 4.88G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 18 05:32:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 13 17:26:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	61672	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	92323	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	81806	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	40802	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	30596	53.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.44%	
35) Dibromofluoromethane	7.88	113	25605	51.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.22%	
50) Toluene-d8	10.32	98	105821	53.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.96%	
62) 4-Bromofluorobenzene	12.62	95	37639	53.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	6326	24.516	ug/l	92
3) Chloromethane	2.21	50	18823	64.870	ug/l	97
4) Vinyl Chloride	2.36	62	24467	55.427	ug/l	99
5) Bromomethane	2.78	94	14069	52.190	ug/l	88
6) Chloroethane	2.92	64	15525	57.344	ug/l	97
7) Trichlorofluoromethane	3.26	101	34727	112.499	ug/l	97
8) Diethyl Ether	3.68	74	13517	56.079	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.07	101	26158	55.871	ug/l	99
10) Methyl Iodide	4.26	142	34963	59.671	ug/l	100
11) Tert butyl alcohol	5.15	59	11722	310.010	ug/l	96
12) 1,1-Dichloroethene	4.04	96	22330	52.455	ug/l	99
13) Acrolein	3.90	56	4727	108.612	ug/l	92
14) Allyl chloride	4.67	41	42700	52.836	ug/l	100
15) Acrylonitrile	5.37	53	37975	308.472	ug/l	98
16) Acetone	4.12	43	49376	412.186	ug/l	98
17) Carbon Disulfide	4.37	76	44119	52.006	ug/l	99
18) Methyl Acetate	4.67	43	24950	76.886	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	67135	79.894	ug/l	97
20) Methylene Chloride	4.92	84	26891	59.415	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	24542	53.828	ug/l	95
22) Diisopropyl ether	6.31	45	101272	60.321	ug/l	97
23) Vinyl Acetate	6.25	43	196069	194.987	ug/l	99
24) 1,1-Dichloroethane	6.21	63	52725	54.468	ug/l	98
25) 2-Butanone	7.16	43	56204	310.323	ug/l	97
26) 2,2-Dichloropropane	7.16	77	47473	79.868	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	31137	57.043	ug/l	97
28) Bromochloromethane	7.51	49	24764	60.781	ug/l #	99
29) Tetrahydrofuran	7.53	42	31949	309.596	ug/l	98
30) Chloroform	7.68	83	52992	53.878	ug/l	100
31) Cyclohexane	7.96	56	42834	59.780	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	46937	57.949	ug/l	100
36) 1,1-Dichloropropene	8.08	75	38336	51.964	ug/l	99
37) Ethyl Acetate	7.26	43	21385	54.612	ug/l	99
38) Carbon Tetrachloride	8.06	117	39080	51.692	ug/l	90

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 Quant Title : SW846 8260
 QLast Update : Fri Sep 13 17:26:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	42334	52.367	ug/l	96
40) Benzene	8.32	78	110460	53.634	ug/l	98
41) Methacrylonitrile	7.48	41	14553	56.435	ug/l	93
42) 1,2-Dichloroethane	8.40	62	36682	53.132	ug/l	96
43) Isopropyl Acetate	8.43	43	42211	56.142	ug/l	98
44) Trichloroethene	9.09	130	30790	54.580	ug/l	92
45) 1,2-Dichloropropane	9.37	63	31177	56.977	ug/l	92
46) Dibromomethane	9.46	93	14363	54.788	ug/l	99
47) Bromodichloromethane	9.65	83	38552	52.427	ug/l	97
48) Methyl methacrylate	9.44	41	19133	54.223	ug/l	97
49) 1,4-Dioxane	9.44	88	4968	1130.956	ug/l	88
51) 4-Methyl-2-Pentanone	10.21	43	118547	305.403	ug/l	100
52) Toluene	10.39	92	72354	55.287	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	38822	52.494	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	45638	53.934	ug/l	94
55) 1,1,2-Trichloroethane	10.79	97	23463	58.751	ug/l	99
56) Ethyl methacrylate	10.65	69	30041	55.884	ug/l	99
57) 1,3-Dichloropropane	10.93	76	41218	58.181	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	75036	260.215	ug/l	99
59) 2-Hexanone	10.97	43	86188	318.880	ug/l	99
60) Dibromochloromethane	11.13	129	26703	55.305	ug/l	97
61) 1,2-Dibromoethane	11.23	107	20767	57.003	ug/l	96
64) Tetrachloroethene	10.86	164	41145	84.544	ug/l	95
65) Chlorobenzene	11.66	112	77753	53.360	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	30561	54.729	ug/l	99
67) Ethyl Benzene	11.73	91	143500	53.322	ug/l	99
68) m/p-Xylenes	11.84	106	105036	106.839	ug/l	100
69) o-Xylene	12.16	106	51378	55.743	ug/l	99
70) Styrene	12.18	104	87269	53.226	ug/l	98
71) Bromoform	12.35	173	16560	56.458	ug/l #	100
73) Isopropylbenzene	12.46	105	147835	54.663	ug/l	99
74) N-amyl acetate	12.27	43	34120	49.044	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	27786	58.496	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	35917	100.497	ug/l #	100
77) Bromobenzene	12.74	156	34975	56.136	ug/l	97
78) n-propylbenzene	12.80	91	171921	54.042	ug/l	100
79) 2-Chlorotoluene	12.89	91	101295	55.389	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	126083	55.107	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	8646	54.879	ug/l	98
82) 4-Chlorotoluene	12.99	91	105017	54.426	ug/l	99
83) tert-Butylbenzene	13.21	119	109995	53.747	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	123825	54.768	ug/l	98
85) sec-Butylbenzene	13.38	105	152473	54.684	ug/l	99
86) p-Isopropyltoluene	13.50	119	136535	53.335	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	65319	52.960	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	64120	52.903	ug/l	99
89) n-Butylbenzene	13.82	91	122883	50.899	ug/l	99
90) Hexachloroethane	14.09	117	23027	50.195	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	58894	54.299	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	4514	51.917	ug/l	97

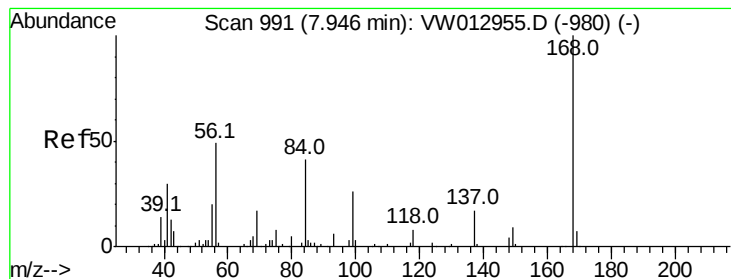
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	30741	39.742	ug/l	97
94) Hexachlorobutadiene	15.24	225	23602	43.102	ug/l	96
95) Naphthalene	15.37	128	48318	37.385	ug/l	98
96) 1,2,3-Trichlorobenzene	15.55	180	28018	40.975	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013084.D

Acq: 17 Sep 2019 12:37

Instrument :

MSVOA_W

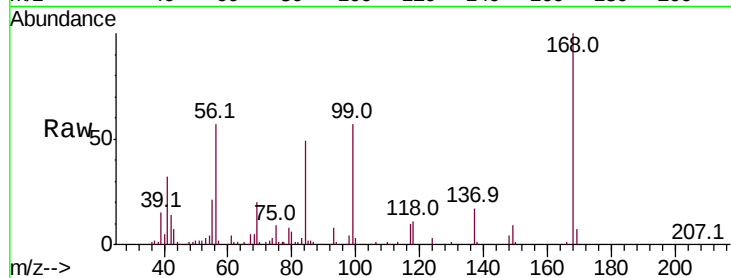
ClientSampled :

Tot Ion:168 Resp: 61672

Ion Ratio Lower Upper

168 100

99 57.4 46.2 69.2



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

30000

25000

20000

15000

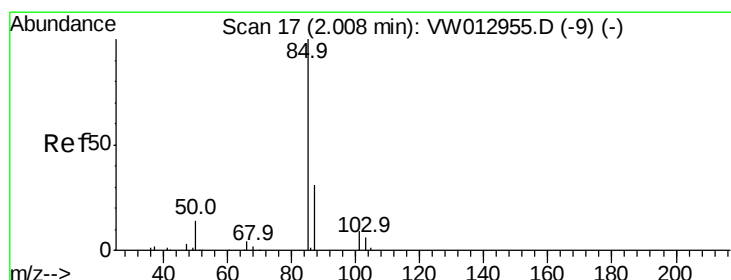
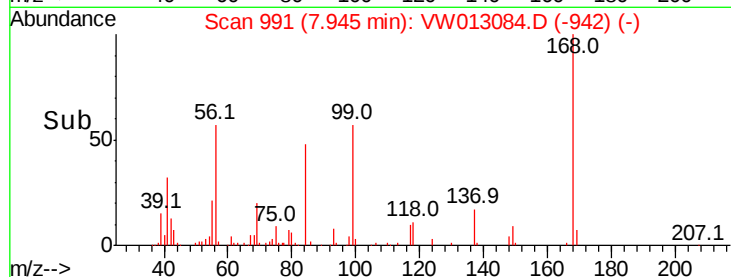
10000

5000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 24.516 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW013084.D

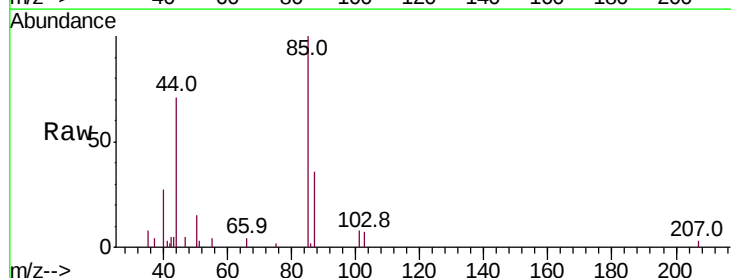
Acq: 17 Sep 2019 12:37

Tgt Ion: 85 Resp: 6326

Ion Ratio Lower Upper

85 100

87 35.5 15.4 46.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

3000

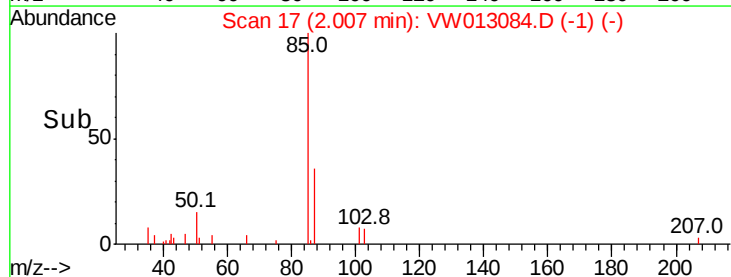
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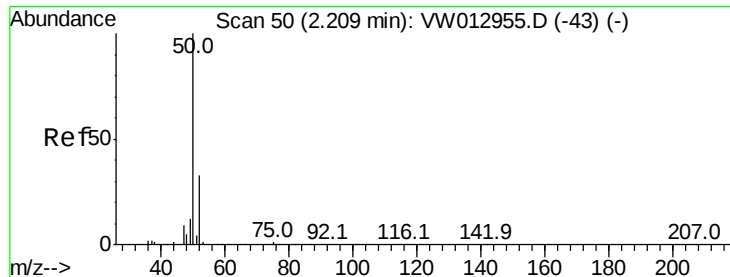
1000

0

1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 64.870 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW013084.D

Acq: 17 Sep 2019 12:37

Instrument :

MSVOA_W

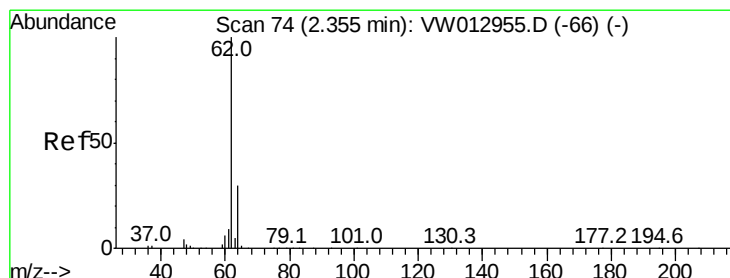
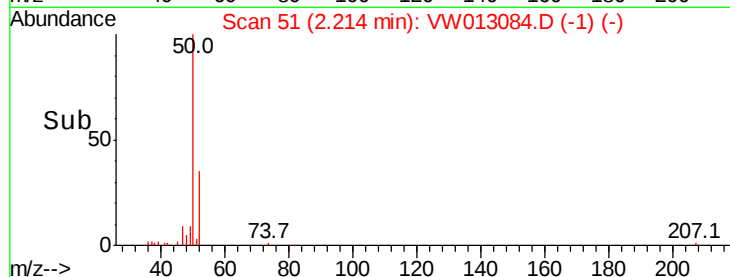
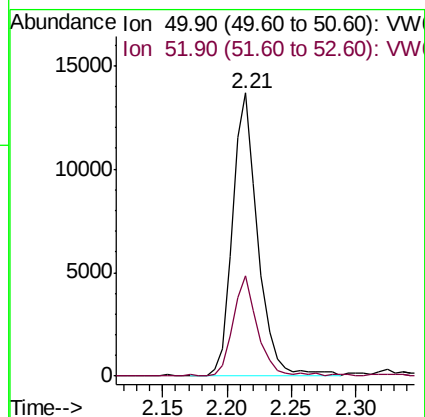
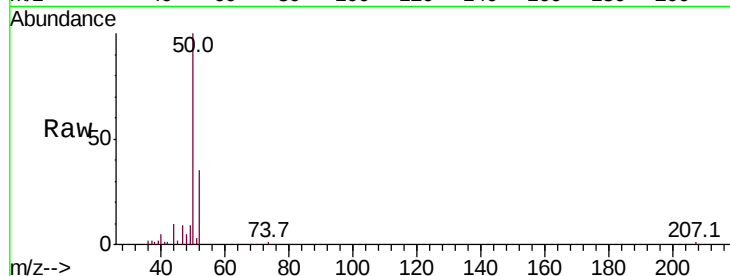
ClientSampled :

Tot Ion: 50 Resp: 18823

Ion Ratio Lower Upper

50 100

52 34.7 26.6 39.8



#4

Vinyl Chloride

Concen: 55.427 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.01 min

Lab File: VW013084.D

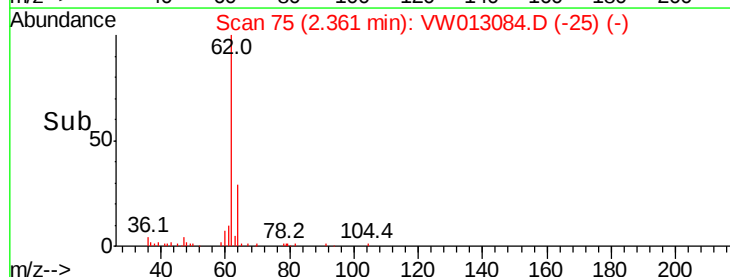
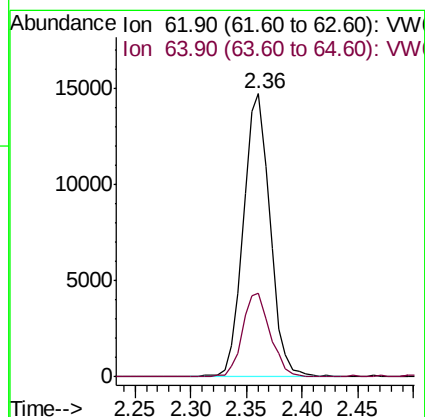
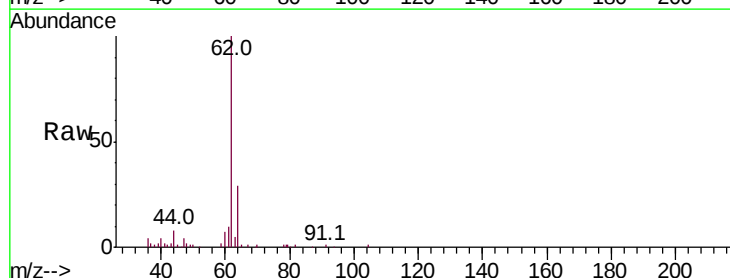
Acq: 17 Sep 2019 12:37

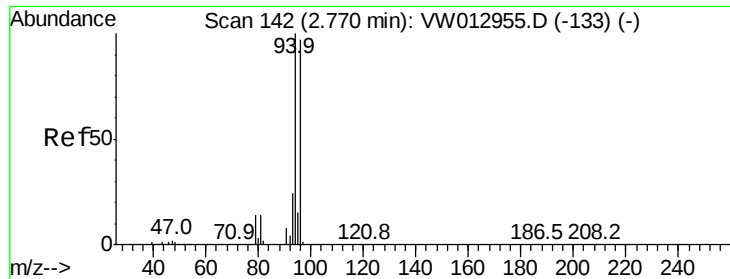
Tgt Ion: 62 Resp: 24467

Ion Ratio Lower Upper

62 100

64 29.5 24.2 36.4





#5

Bromomethane

Concen: 52.190 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.01 min

Lab File: VW013084.D

Acq: 17 Sep 2019 12:37

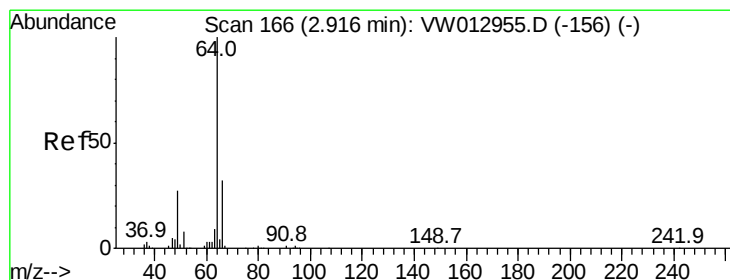
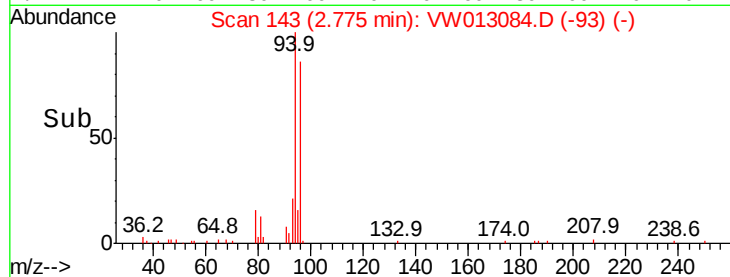
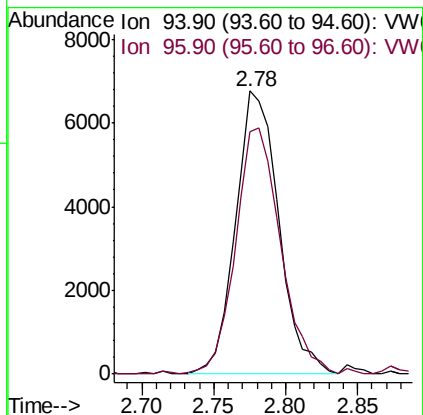
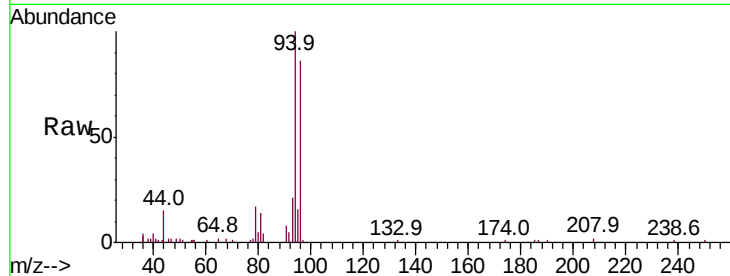
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 94 Resp: 14069

Ion Ratio Lower Upper

94 100

96 85.6 77.8 116.6



#6

Chloroethane

Concen: 57.344 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.01 min

Lab File: VW013084.D

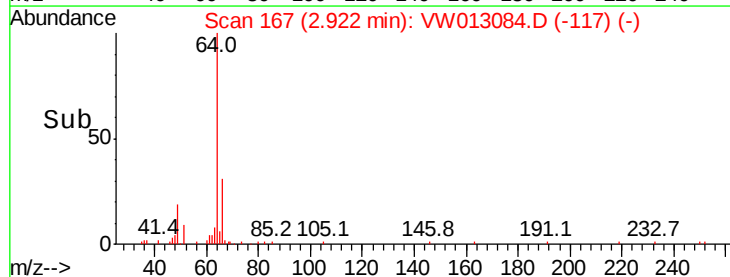
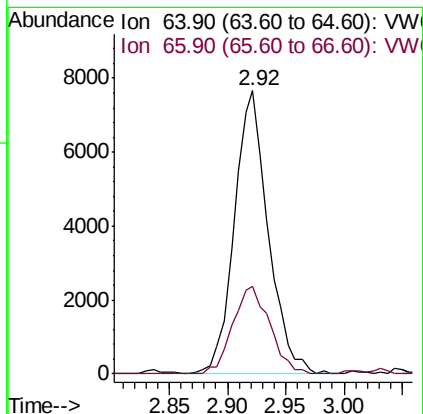
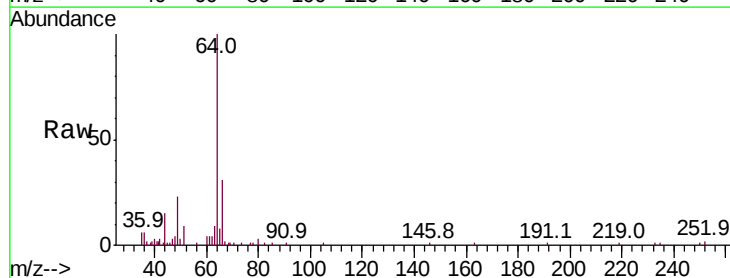
Acq: 17 Sep 2019 12:37

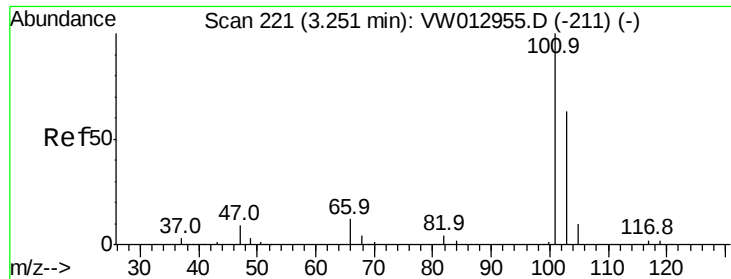
Tgt Ion: 64 Resp: 15525

Ion Ratio Lower Upper

64 100

66 30.7 25.9 38.9



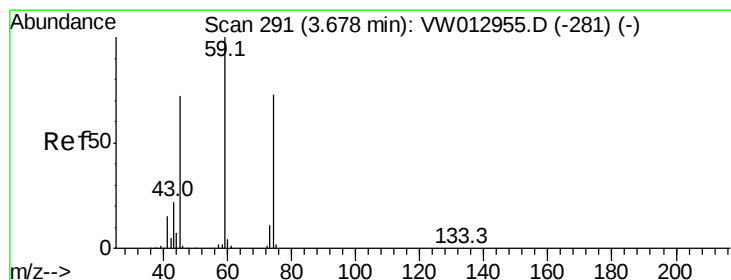
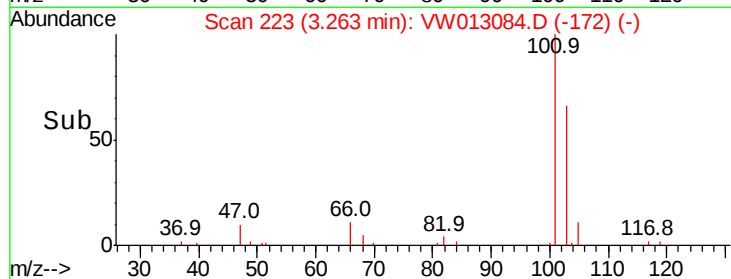
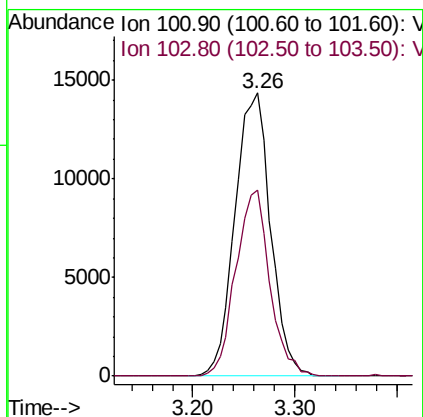
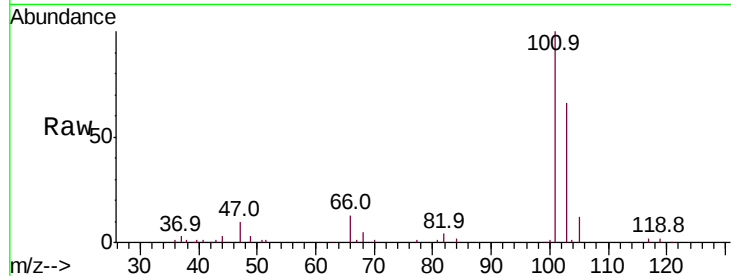


#7

Trichlorofluoromethane
 Concen: 112.499 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. 0.01 min
 Lab File: VW013084.D
 Acq: 17 Sep 2019 12:37

Instrument :
 MSVOA_W
 ClientSampleId :

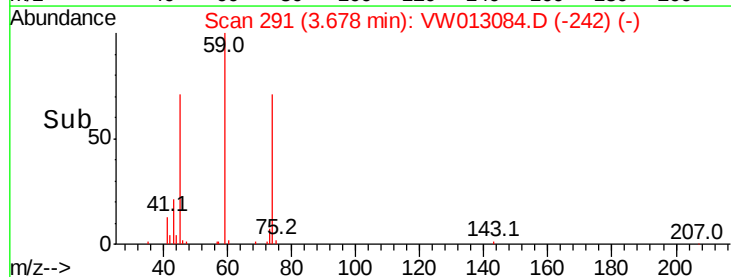
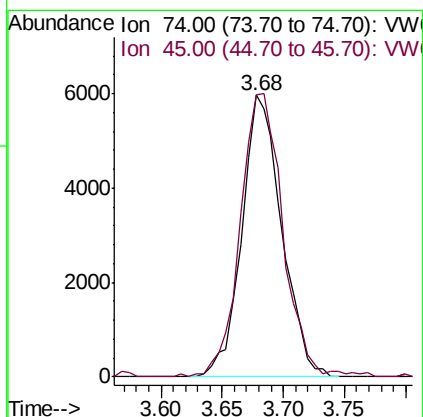
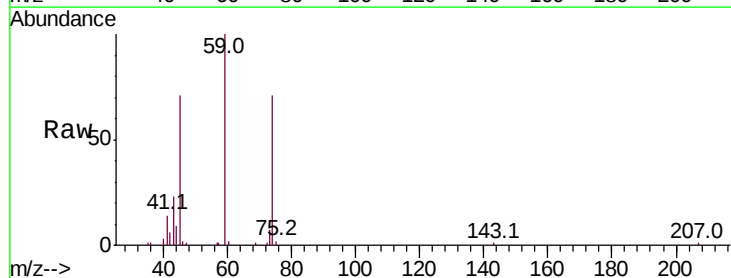
Tot Ion:101 Resp: 34727
 Ion Ratio Lower Upper
 101 100
 103 65.6 50.7 76.1

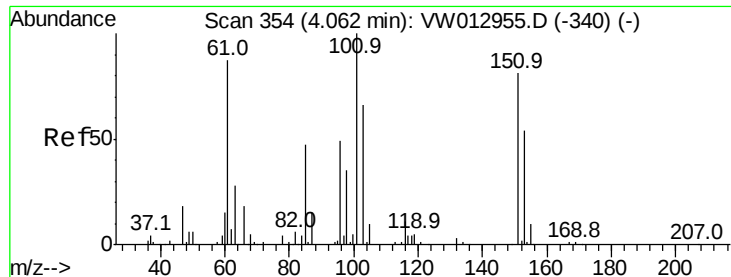


#8

Diethyl Ether
 Concen: 56.079 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW013084.D
 Acq: 17 Sep 2019 12:37

Tgt Ion: 74 Resp: 13517
 Ion Ratio Lower Upper
 74 100
 45 108.0 53.8 161.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 55.871 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW013084.D

Acq: 17 Sep 2019 12:37

Instrument :

MSVOA_W

ClientSampled :

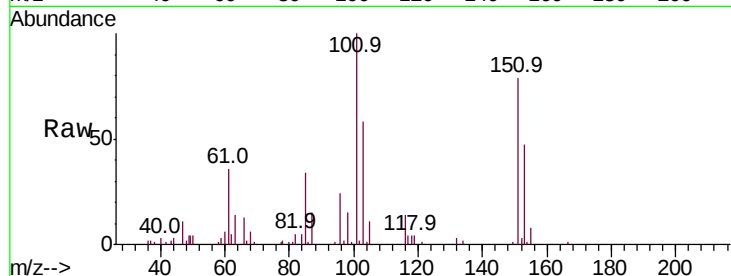
Tot Ion:101 Resp: 26158

Ion Ratio Lower Upper

101 100

85 42.4 34.9 52.3

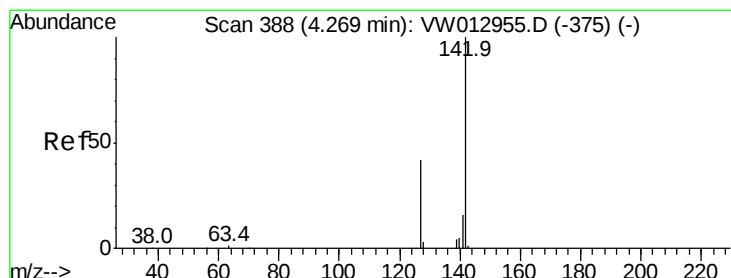
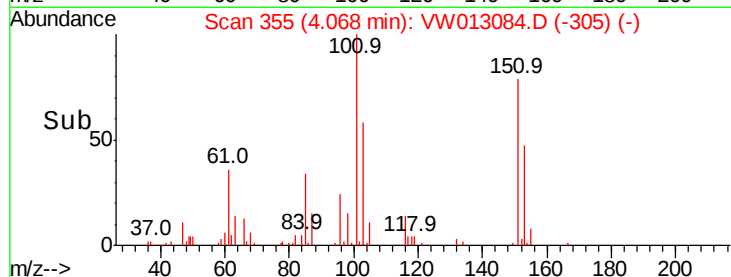
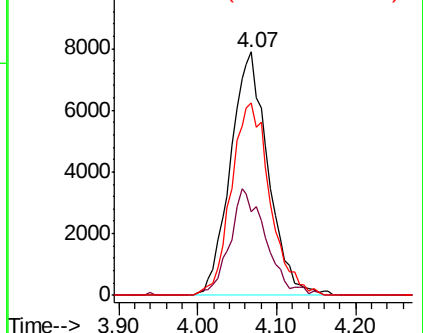
151 81.6 66.0 99.0



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: 59.671 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW013084.D

Acq: 17 Sep 2019 12:37

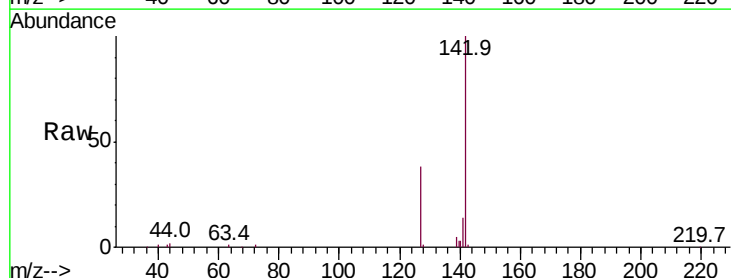
Tgt Ion:142 Resp: 34963

Ion Ratio Lower Upper

142 100

127 43.2 34.7 52.1

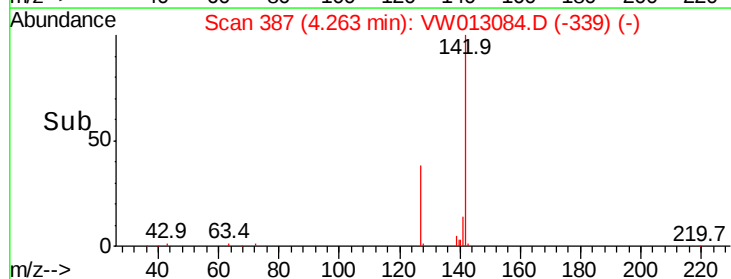
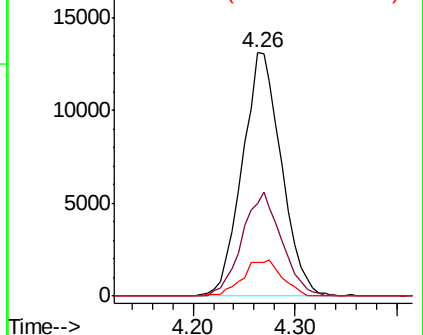
141 15.0 12.2 18.2

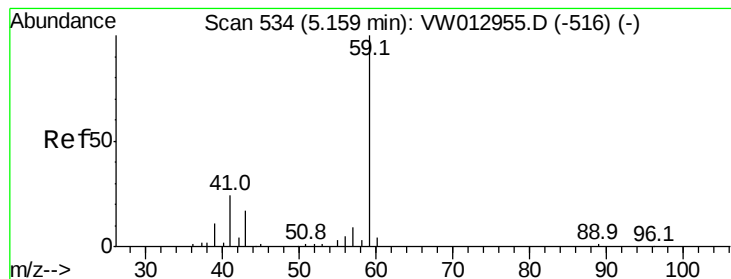


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



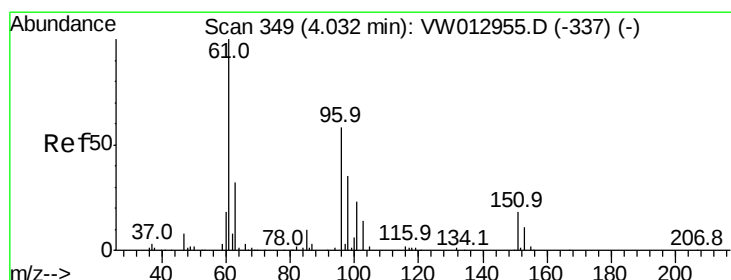
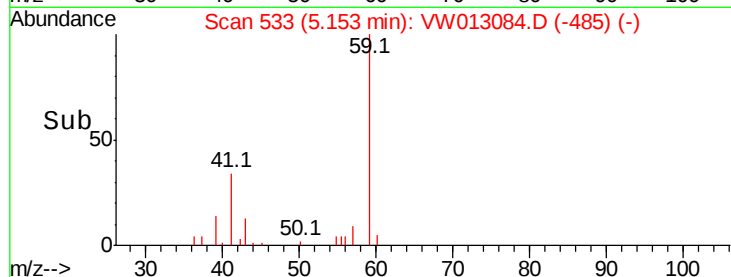
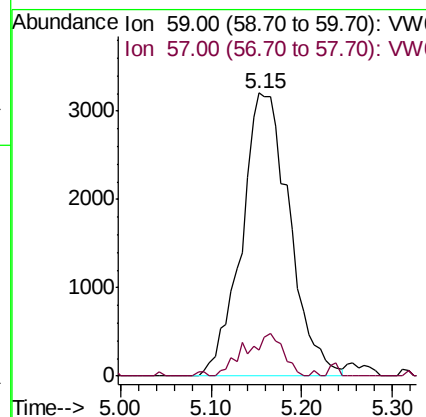
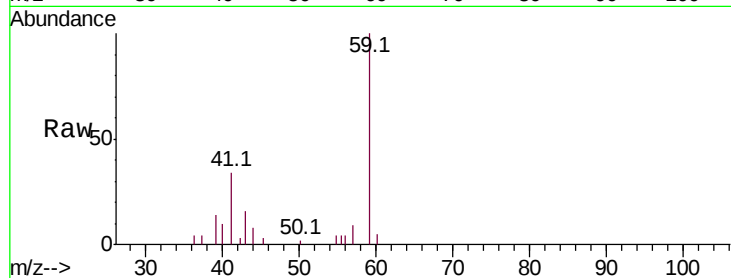


#11

Tert butyl alcohol
 Concen: 310.010 ug/l
 RT: 5.15 min Scan# 533
 Delta R.T. -0.01 min
 Lab File: VW013084.D
 Acq: 17 Sep 2019 12:37

Instrument :
 MSVOA_W
 ClientSampled :

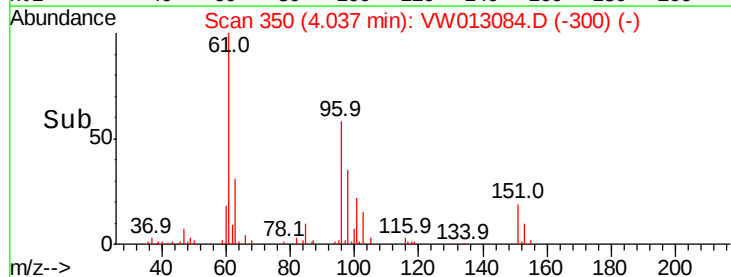
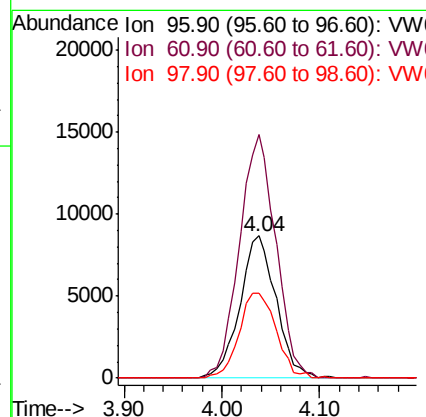
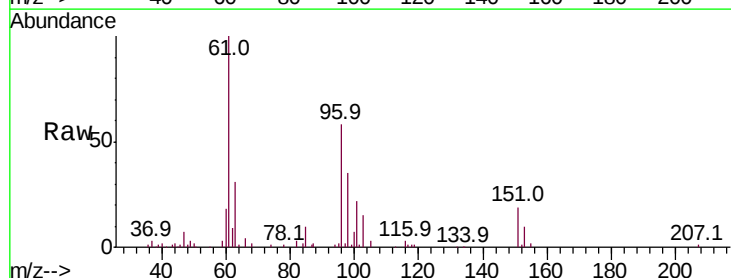
Tot Ion: 59 Resp: 11722
 Ion Ratio Lower Upper
 59 100
 57 12.0 8.5 12.7

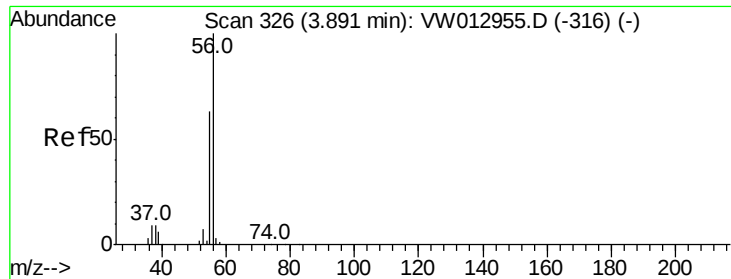


#12

1,1-Dichloroethene
 Concen: 52.455 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.01 min
 Lab File: VW013084.D
 Acq: 17 Sep 2019 12:37

Tgt Ion: 96 Resp: 22330
 Ion Ratio Lower Upper
 96 100
 61 171.2 137.9 206.9
 98 60.1 48.9 73.3





#13

Acrolein

Concen: 108.612 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW013084.D

Acq: 17 Sep 2019 12:37

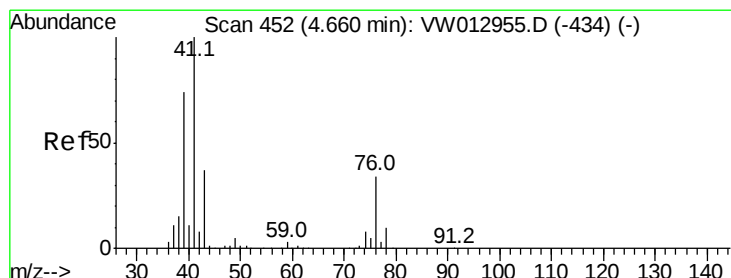
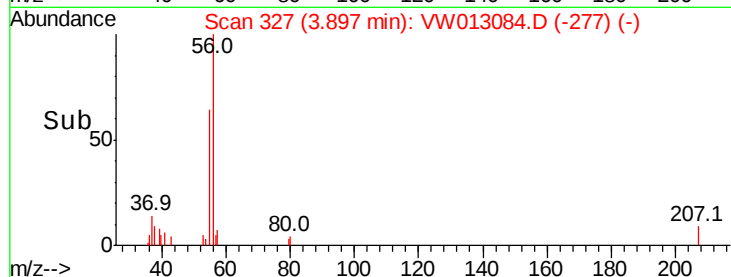
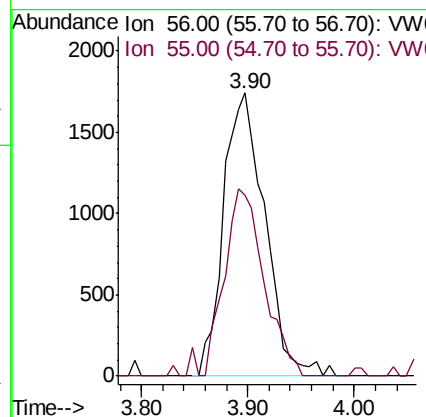
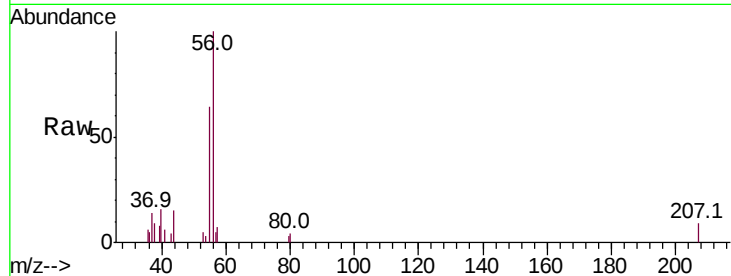
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 4727

Ion Ratio Lower Upper

56 100

55 63.2 55.8 83.8



#14

Allyl chloride

Concen: 52.836 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW013084.D

Acq: 17 Sep 2019 12:37

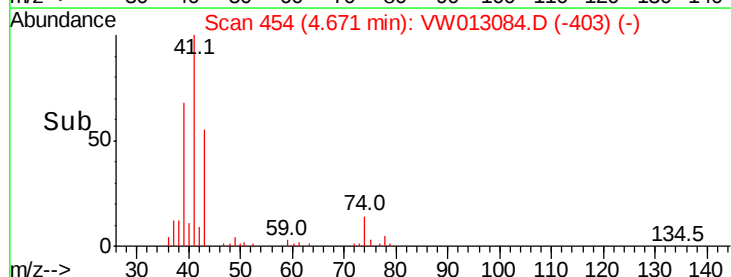
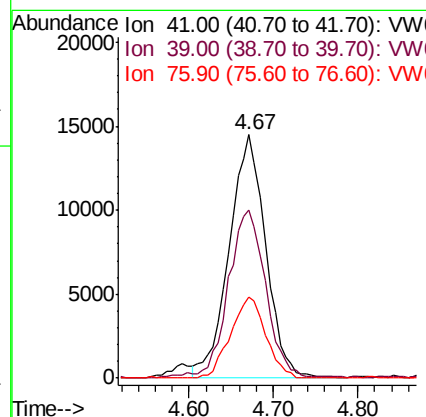
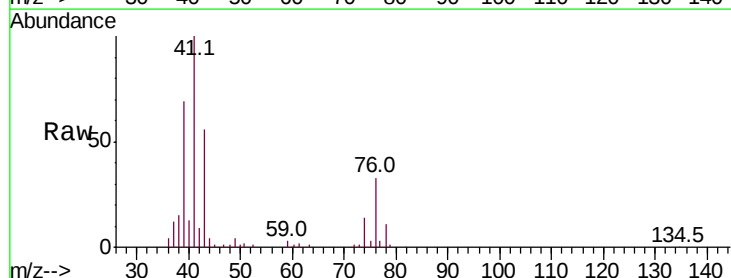
Tgt Ion: 41 Resp: 42700

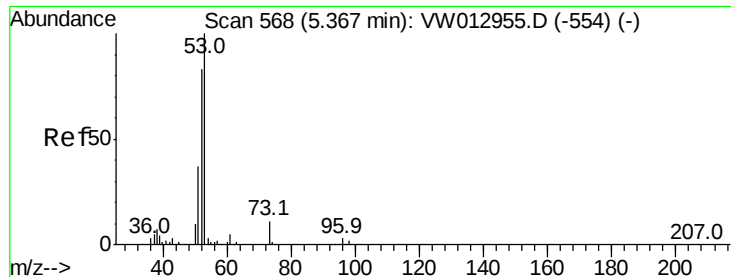
Ion Ratio Lower Upper

41 100

39 71.0 56.7 85.1

76 31.9 25.1 37.7





#15

Acrylonitrile

Concen: 308.472 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW013084.D

Acq: 17 Sep 2019 12:37

Instrument :

MSVOA_W

ClientSampleId :

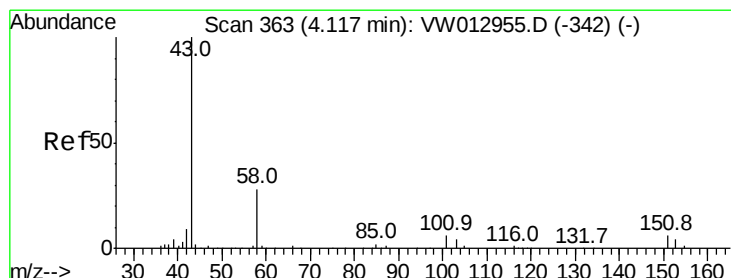
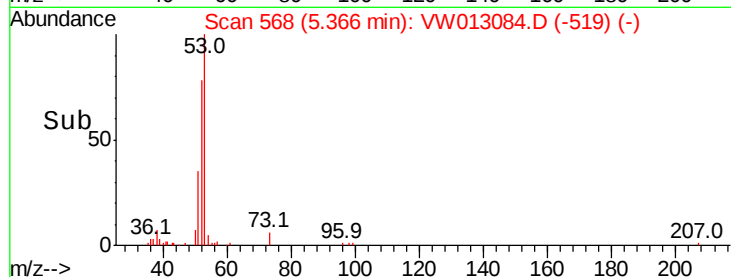
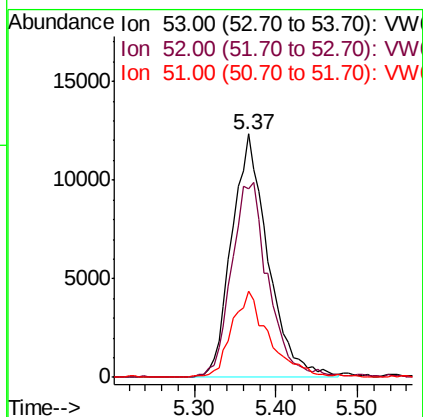
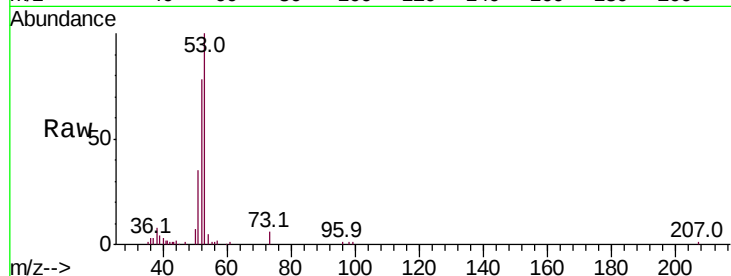
Tot Ion: 53 Resp: 37975

Ion Ratio Lower Upper

53 100

52 81.6 66.6 100.0

51 36.4 29.8 44.8



#16

Acetone

Concen: 412.186 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW013084.D

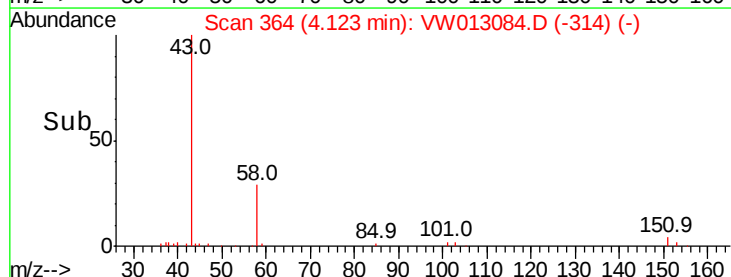
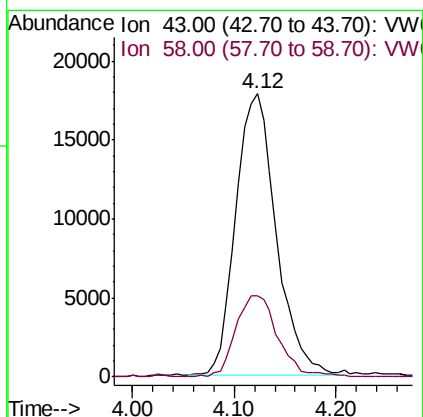
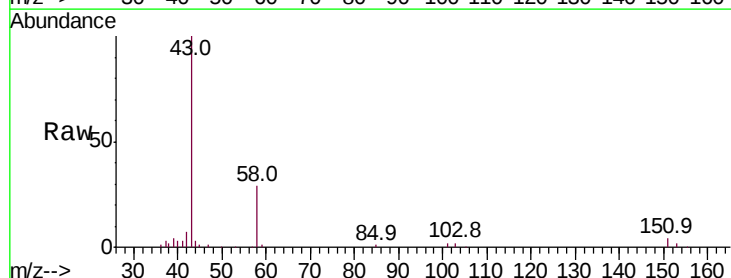
Acq: 17 Sep 2019 12:37

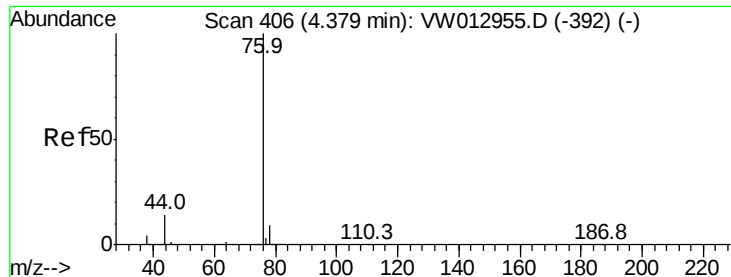
Tgt Ion: 43 Resp: 49376

Ion Ratio Lower Upper

43 100

58 28.9 22.3 33.5

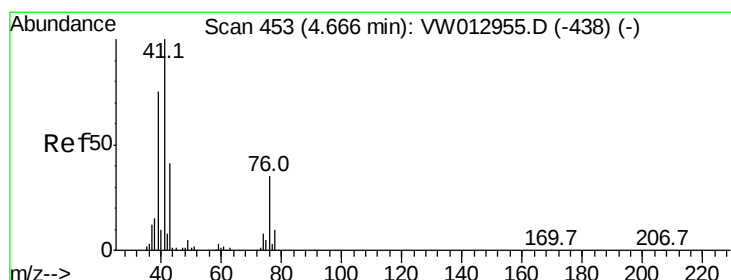
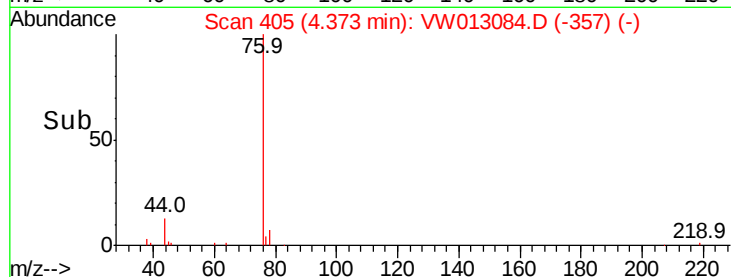
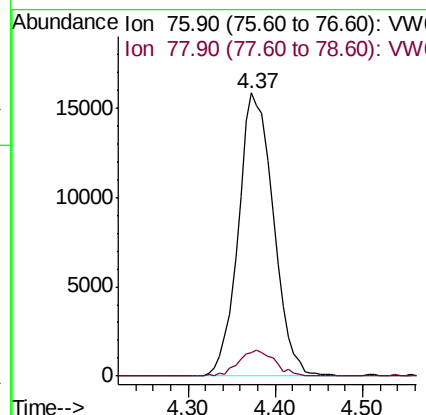
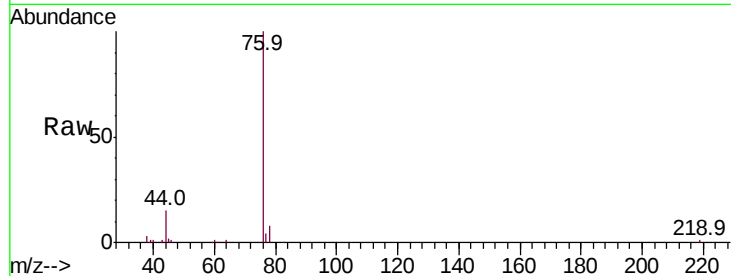




#17
Carbon Disulfide
Concen: 52.006 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW013084.D
Acq: 17 Sep 2019 12:37

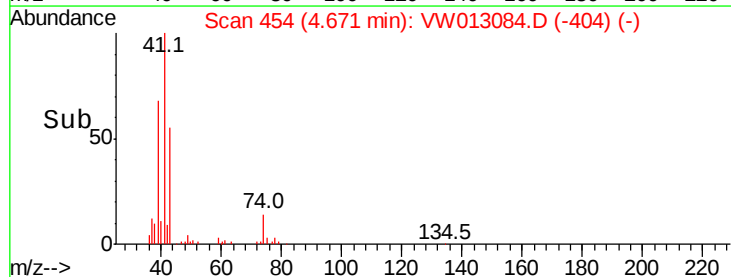
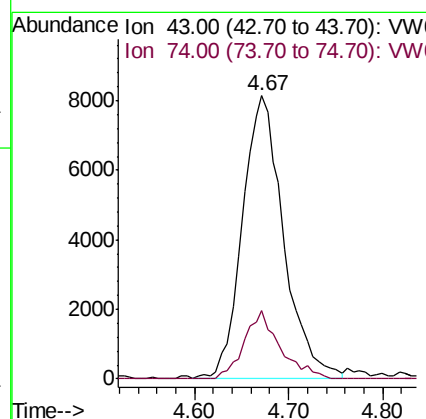
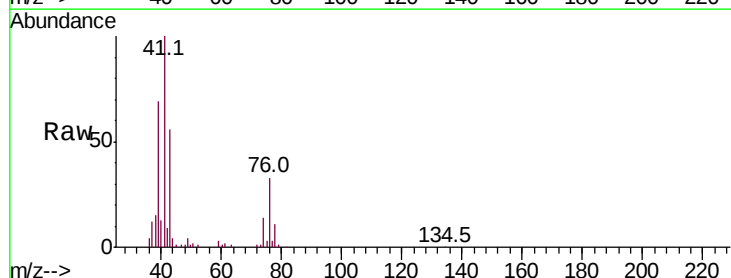
Instrument :
MSVOA_W
ClientSampleId :

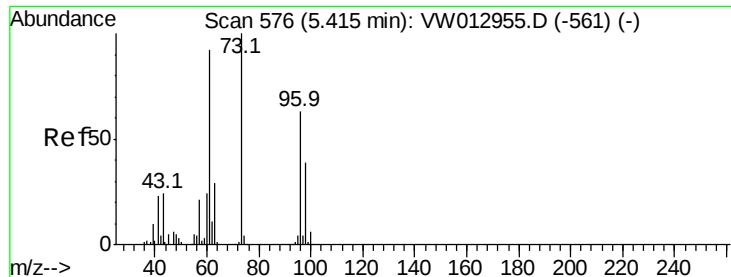
Tot Ion: 76 Resp: 44119
Ion Ratio Lower Upper
76 100
78 8.3 7.0 10.4



#18
Methyl Acetate
Concen: 76.886 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW013084.D
Acq: 17 Sep 2019 12:37

Tgt Ion: 43 Resp: 24950
Ion Ratio Lower Upper
43 100
74 21.0 17.8 26.8



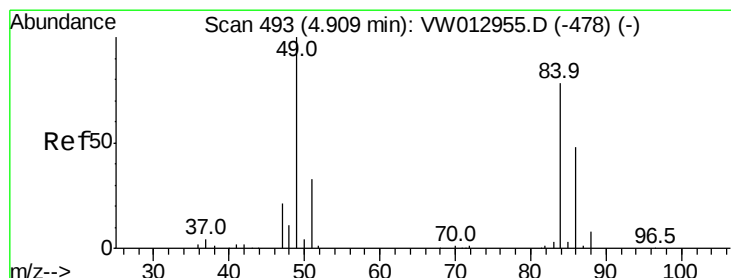
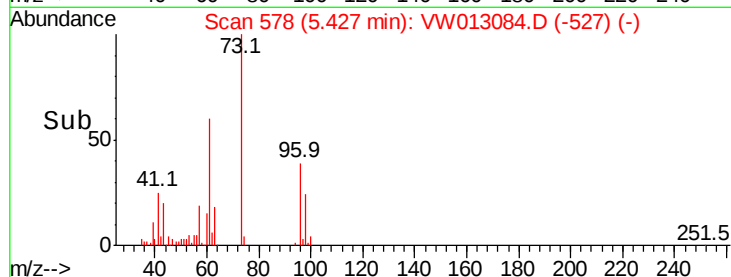
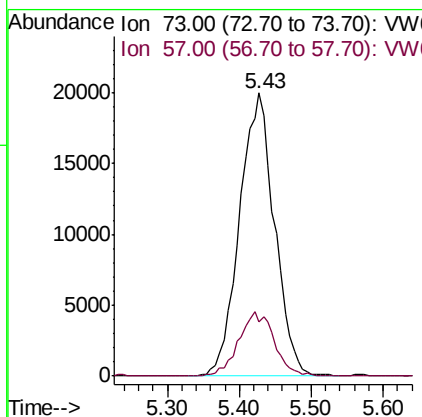
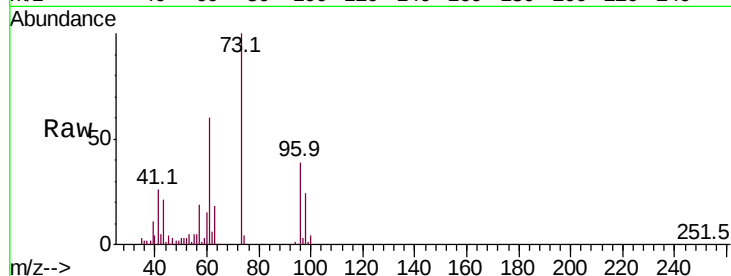


#19

Methyl tert-butyl Ether
 Concen: 79.894 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: VW013084.D
 Acq: 17 Sep 2019 12:37

Instrument :
 MSVOA_W
 ClientSampled :

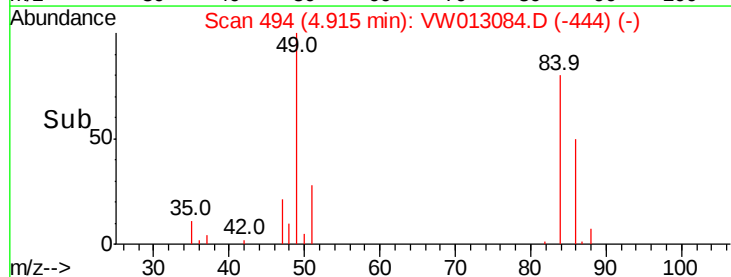
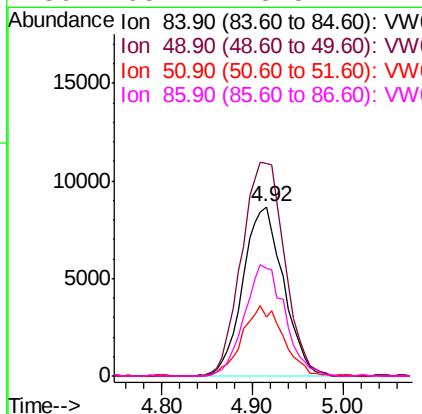
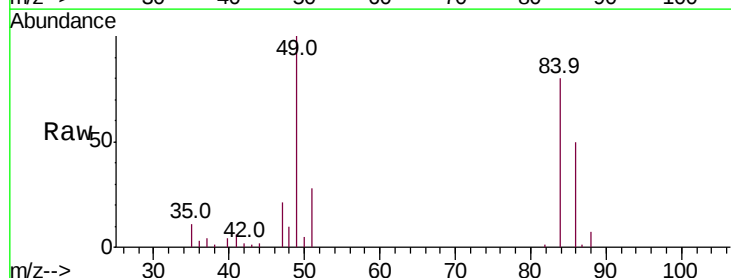
Tot Ion: 73 Resp: 67135
 Ion Ratio Lower Upper
 73 100
 57 19.3 16.4 24.6

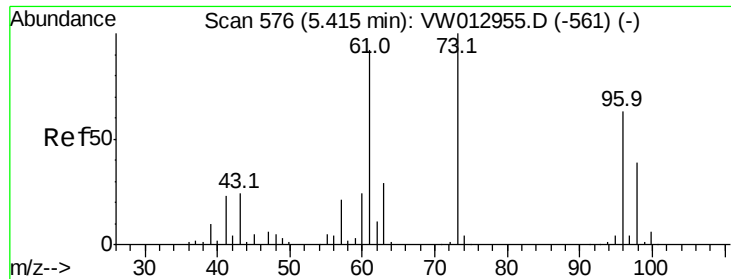


#20

Methylene Chloride
 Concen: 59.415 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.01 min
 Lab File: VW013084.D
 Acq: 17 Sep 2019 12:37

Tgt Ion: 84 Resp: 26891
 Ion Ratio Lower Upper
 84 100
 49 125.5 102.0 153.0
 51 34.9 34.0 51.0
 86 63.1 48.5 72.7





#21

trans-1,2-Dichloroethene

Concen: 53.828 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

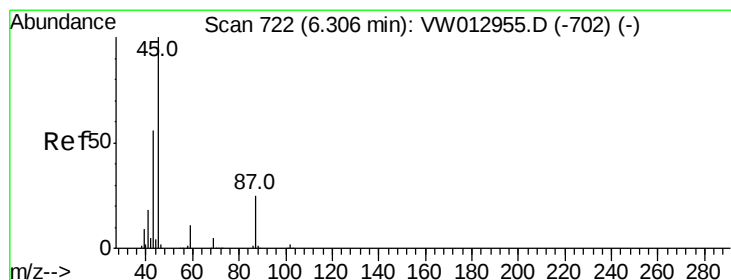
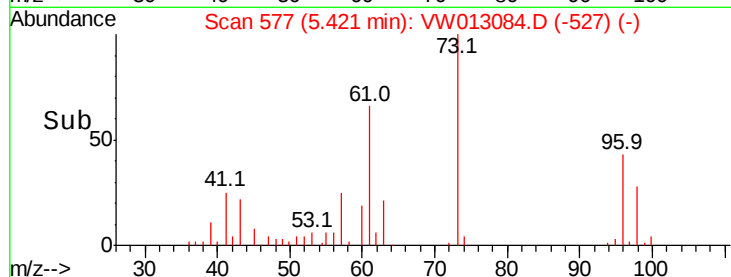
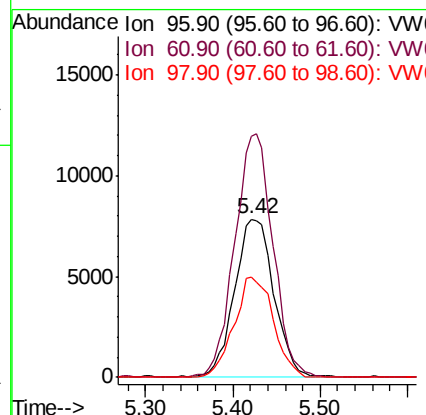
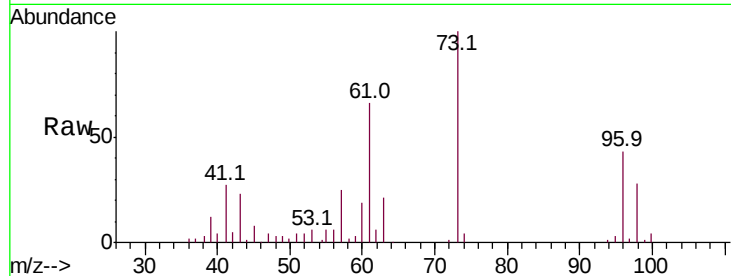
Lab File: VW013084.D

Acq: 17 Sep 2019 12:37

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 96 Resp: 24542

Ion	Ratio	Lower	Upper
96	100		
61	152.6	116.2	174.2
98	63.8	49.8	74.6



#22

Diisopropyl ether

Concen: 60.321 ug/l

RT: 6.31 min Scan# 723

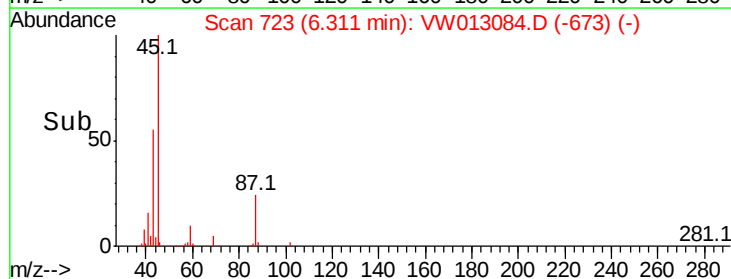
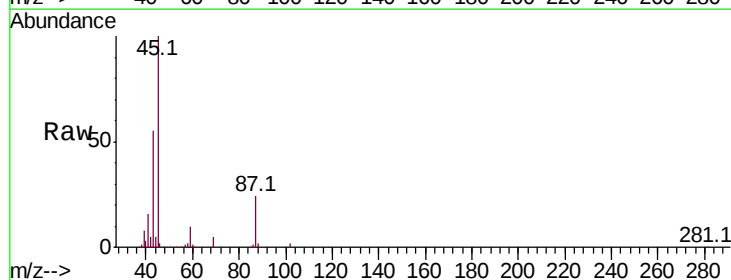
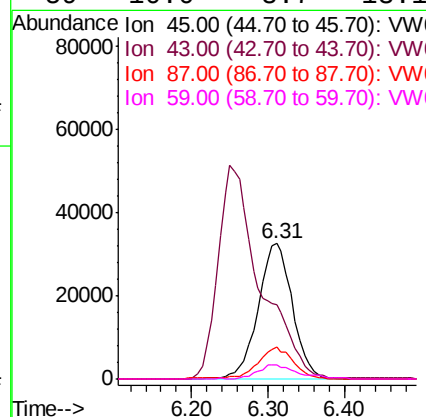
Delta R.T. 0.01 min

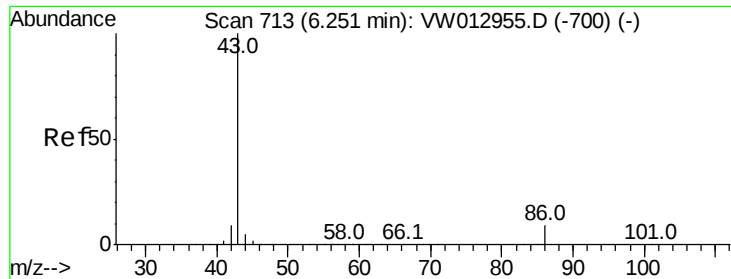
Lab File: VW013084.D

Acq: 17 Sep 2019 12:37

Tgt Ion: 45 Resp: 101272

Ion	Ratio	Lower	Upper
45	100		
43	53.9	44.6	67.0
87	23.8	20.0	30.0
59	10.0	8.7	13.1





#23

Vinyl Acetate

Concen: 194.987 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013084.D

Acq: 17 Sep 2019 12:37

Instrument :

MSVOA_W

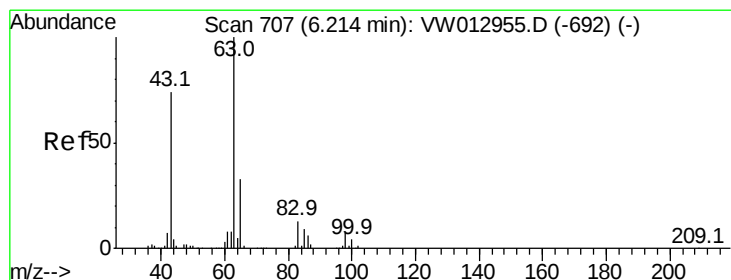
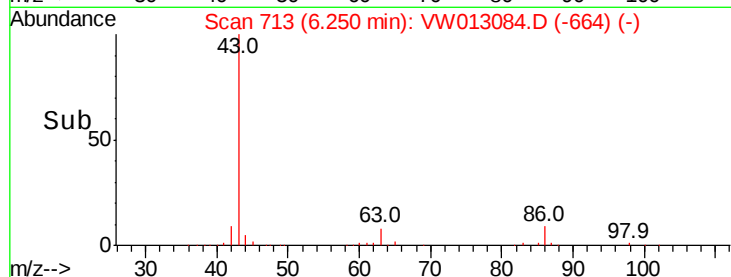
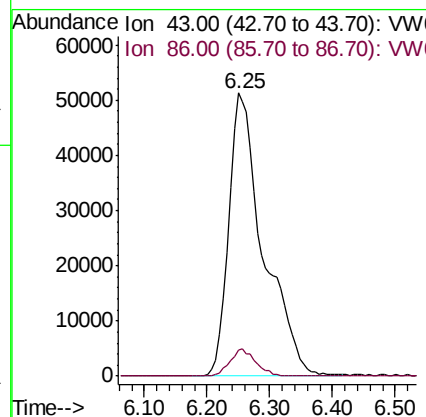
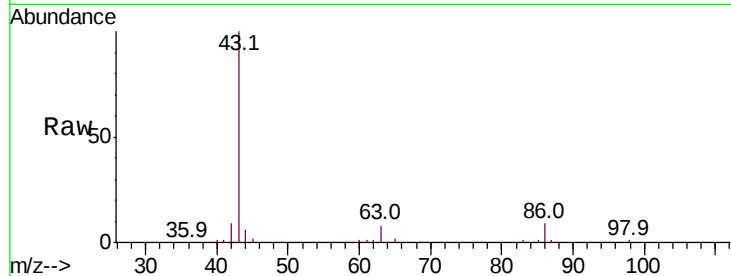
ClientSampled :

Tot Ion: 43 Resp: 196069

Ion Ratio Lower Upper

43 100

86 9.3 7.0 10.6



#24

1,1-Dichloroethane

Concen: 54.468 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW013084.D

Acq: 17 Sep 2019 12:37

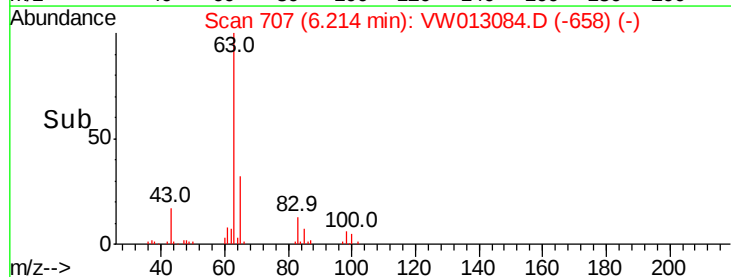
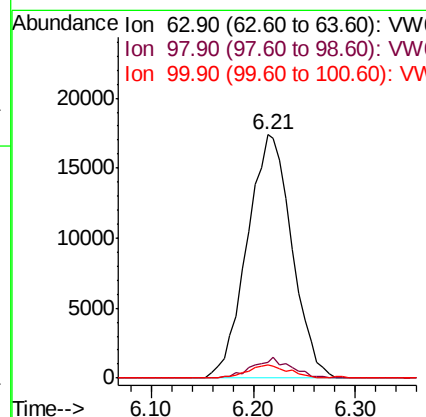
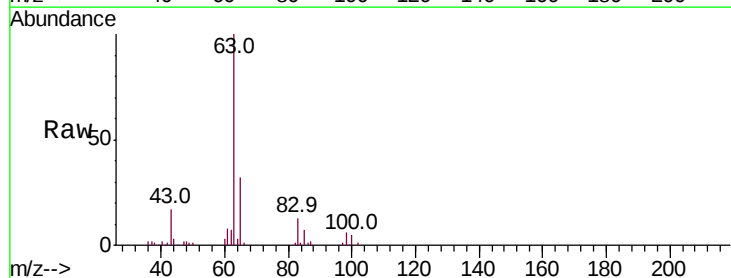
Tgt Ion: 63 Resp: 52725

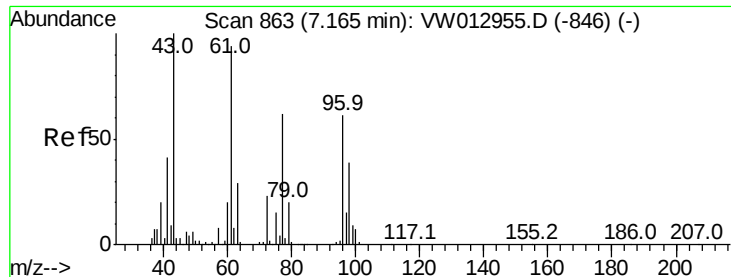
Ion Ratio Lower Upper

63 100

98 6.4 3.3 9.9

100 5.4 1.8 5.5





#25

2-Butanone

Concen: 310.323 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW013084.D

Acq: 17 Sep 2019 12:37

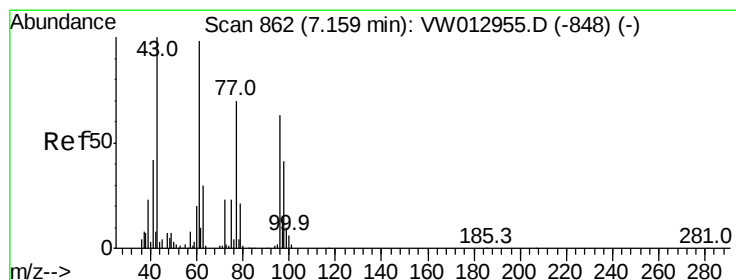
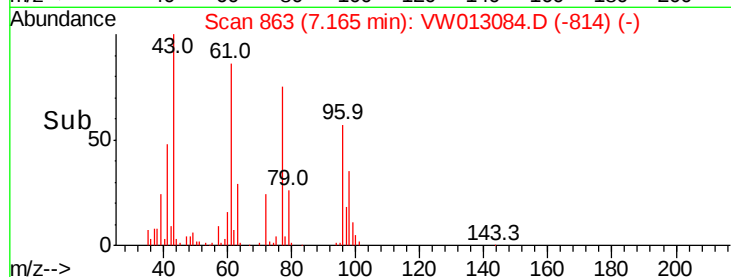
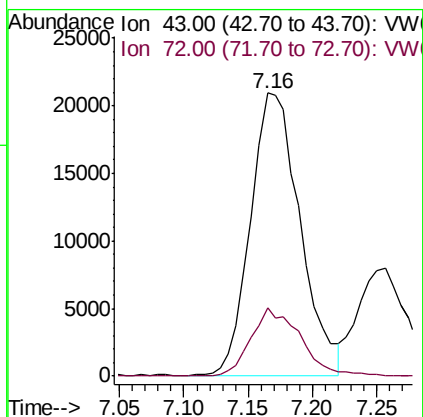
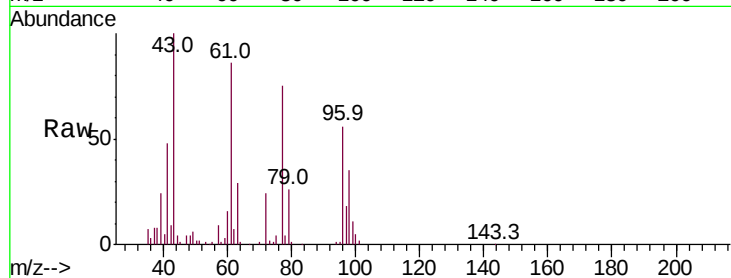
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 56204

Ion Ratio Lower Upper

43 100

72 24.4 18.2 27.4



#26

2,2-Dichloropropane

Concen: 79.868 ug/l

RT: 7.16 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW013084.D

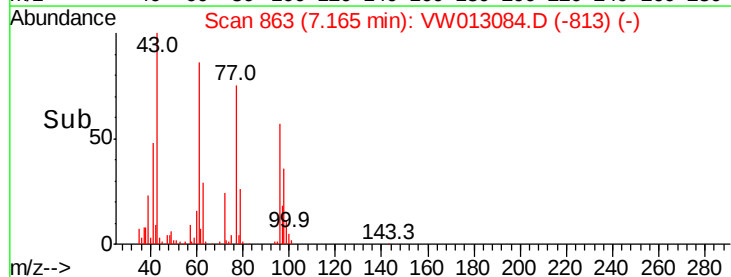
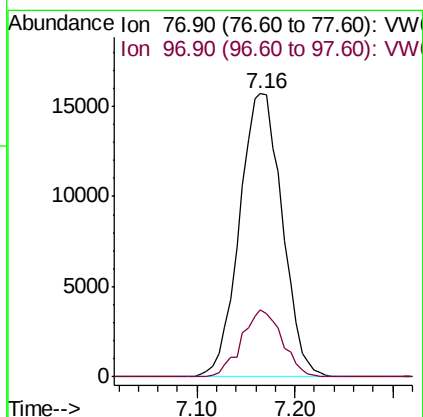
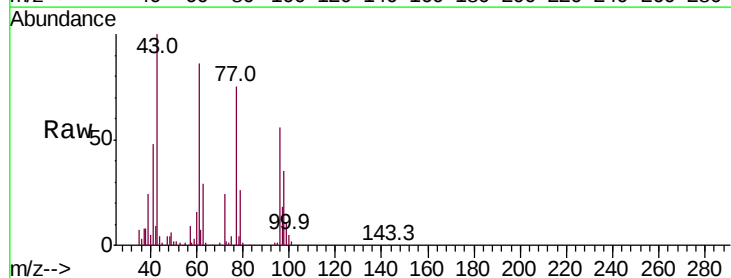
Acq: 17 Sep 2019 12:37

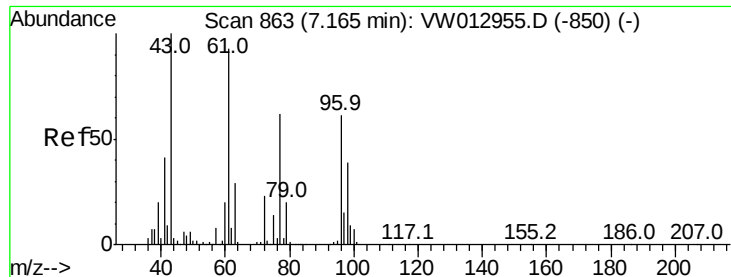
Tgt Ion: 77 Resp: 47473

Ion Ratio Lower Upper

77 100

97 22.3 10.7 32.1



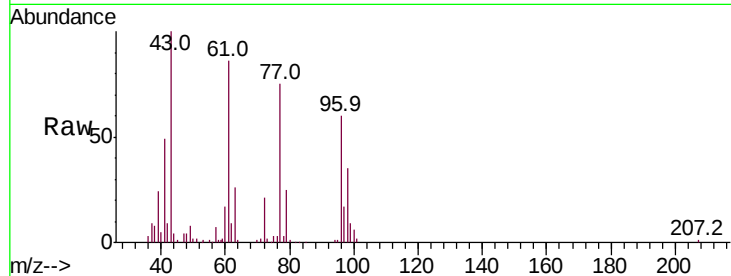


#27

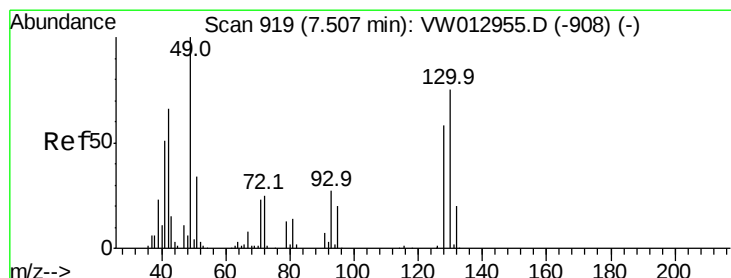
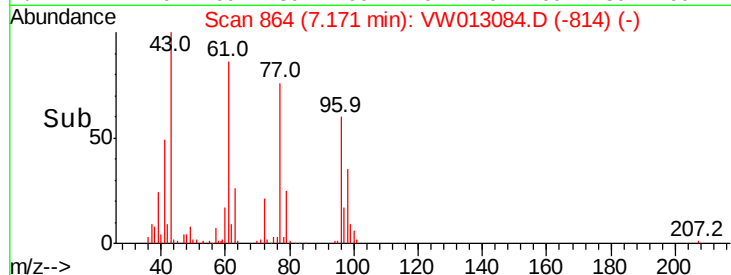
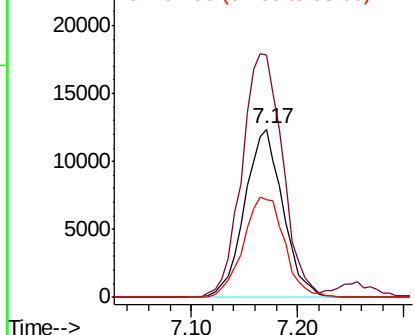
cis-1,2-Dichloroethene
Concen: 57.043 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW013084.D
Acq: 17 Sep 2019 12:37

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 96 Resp: 31137
Ion Ratio Lower Upper
96 100
61 153.8 0.0 315.4
98 64.0 0.0 131.0



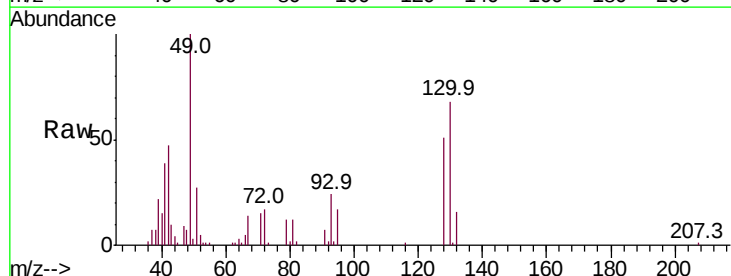
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



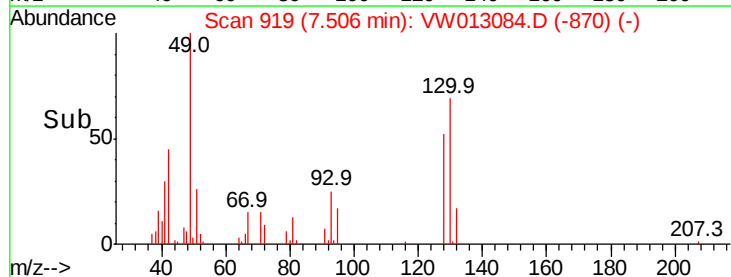
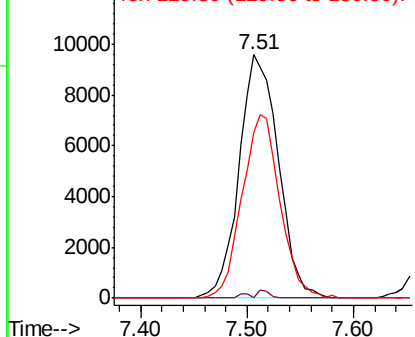
#28

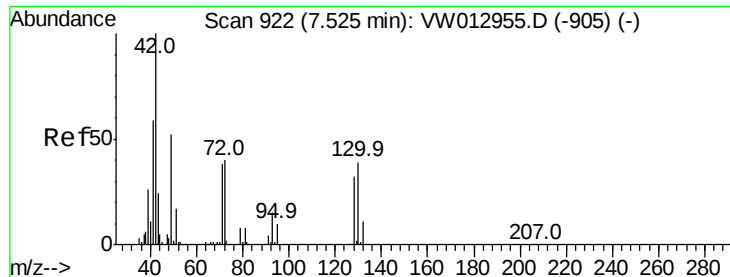
Bromochloromethane
Concen: 60.781 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW013084.D
Acq: 17 Sep 2019 12:37

Tgt Ion: 49 Resp: 24764
Ion Ratio Lower Upper
49 100
129 1.5 0.0 1.4#
130 72.9 57.8 86.6



Abundance Ion 48.90 (48.60 to 49.60): VW
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 309.596 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.01 min

Lab File: VW013084.D

Acq: 17 Sep 2019 12:37

Instrument :

MSVOA_W

ClientSampleId :

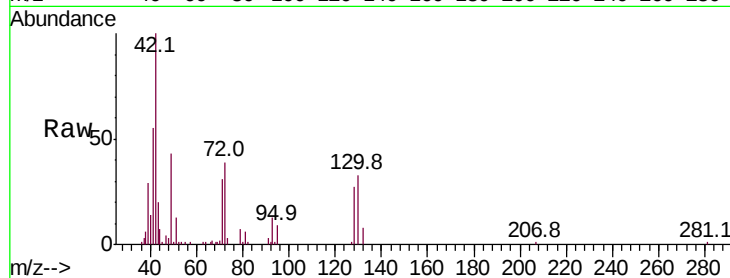
Tot Ion: 42 Resp: 31949

Ion Ratio Lower Upper

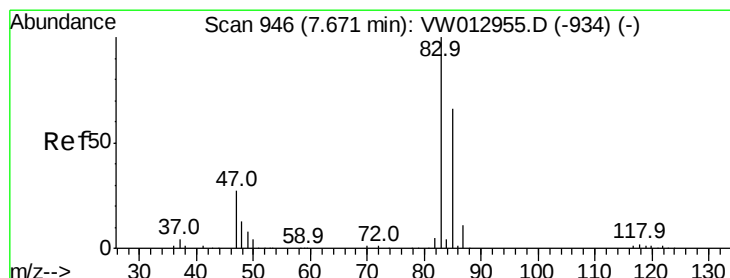
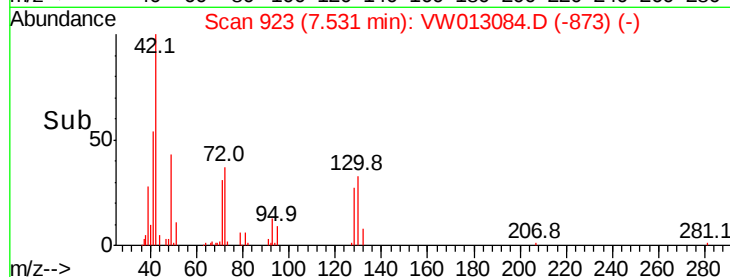
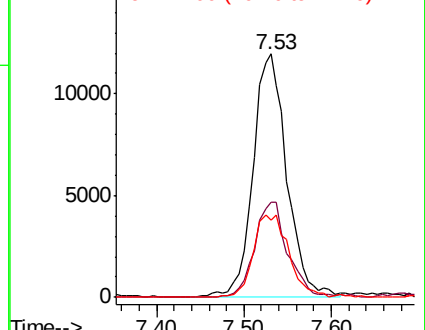
42 100

72 39.0 31.4 47.0

71 35.6 29.8 44.8



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: 53.878 ug/l

RT: 7.68 min Scan# 947

Delta R.T. 0.01 min

Lab File: VW013084.D

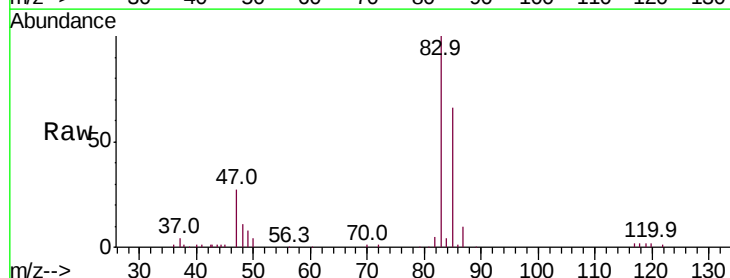
Acq: 17 Sep 2019 12:37

Tgt Ion: 83 Resp: 52992

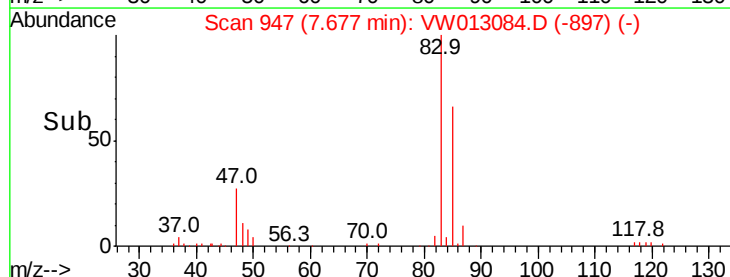
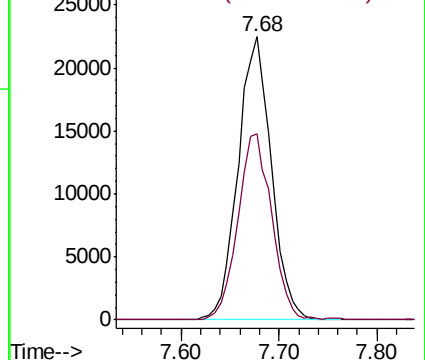
Ion Ratio Lower Upper

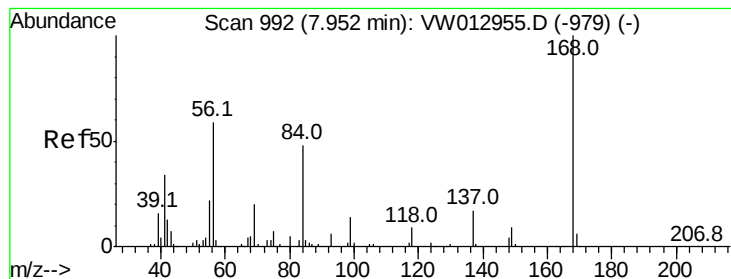
83 100

85 65.8 52.8 79.2



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





#31

Cyclohexane

Concen: 59.780 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW013084.D

Acq: 17 Sep 2019 12:37

Instrument :
MSVOA_W
ClientSampleId :

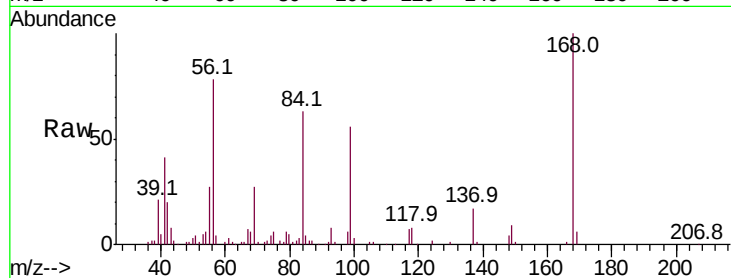
Tot Ion: 56 Resp: 42834

Ion Ratio Lower Upper

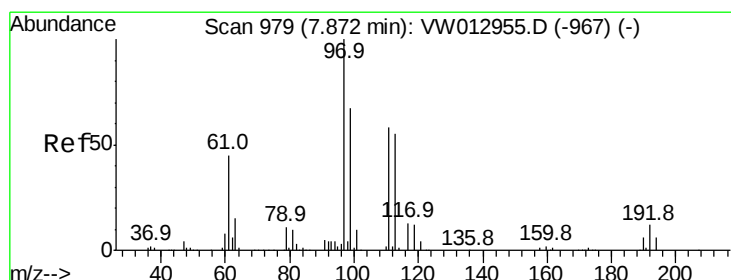
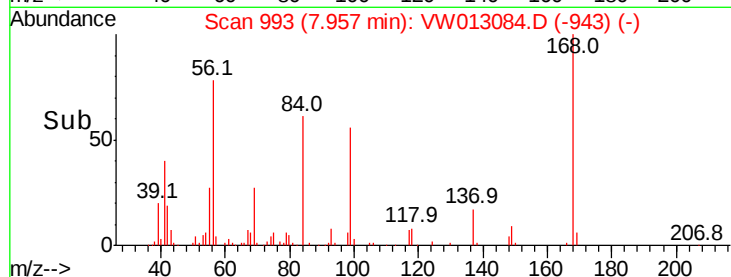
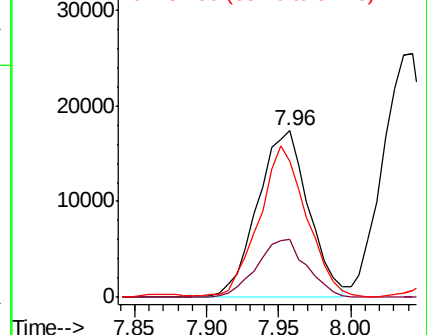
56 100

69 34.9 27.0 40.6

84 80.5 66.2 99.2



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



#32

1,1,1-Trichloroethane

Concen: 57.949 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW013084.D

Acq: 17 Sep 2019 12:37

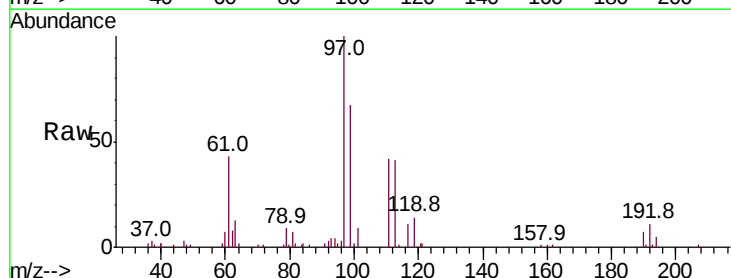
Tgt Ion: 97 Resp: 46937

Ion Ratio Lower Upper

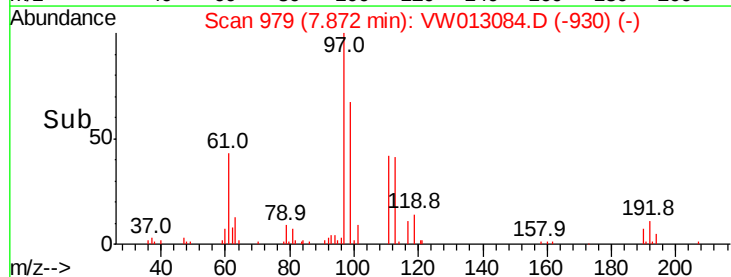
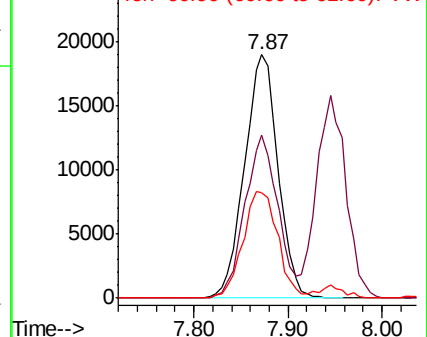
97 100

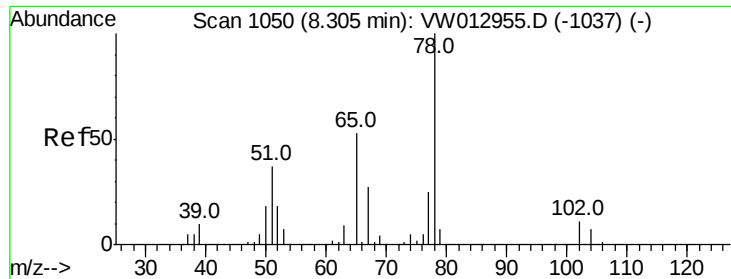
99 65.9 53.0 79.4

61 45.6 36.5 54.7



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW

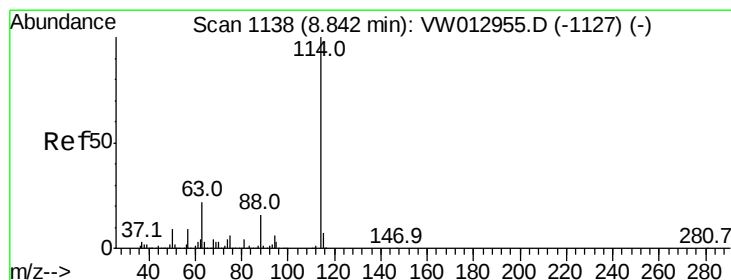
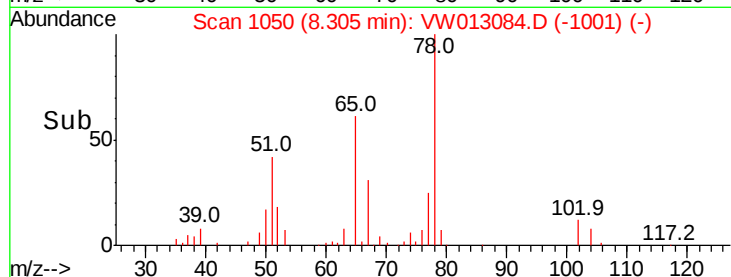
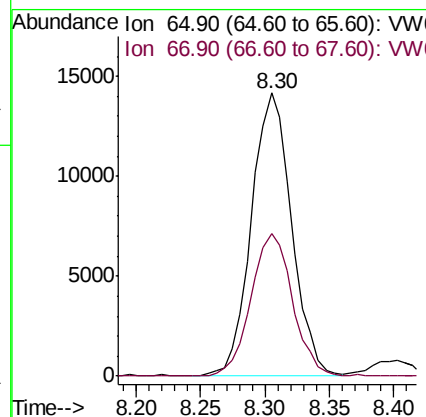
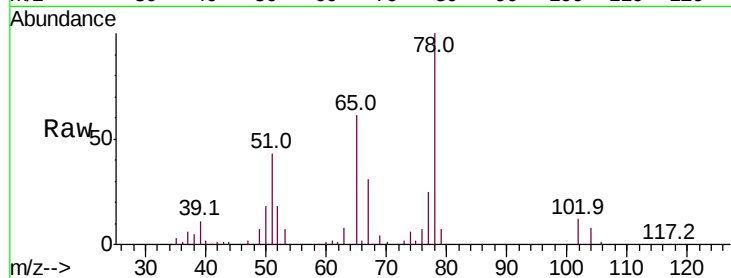




#33
 1,2-Dichloroethane-d4
 Concen: 53.716 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013084.D
 Acq: 17 Sep 2019 12:37

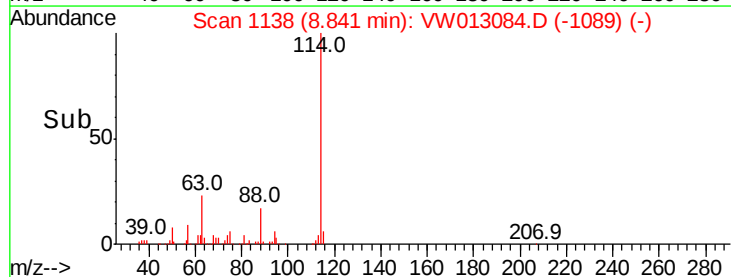
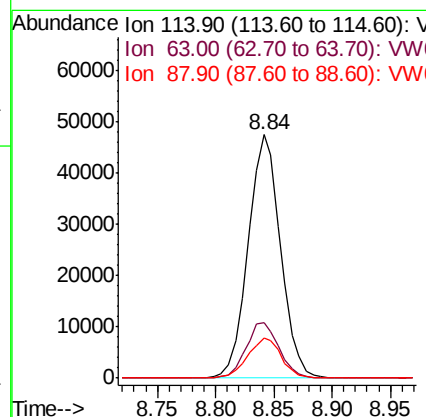
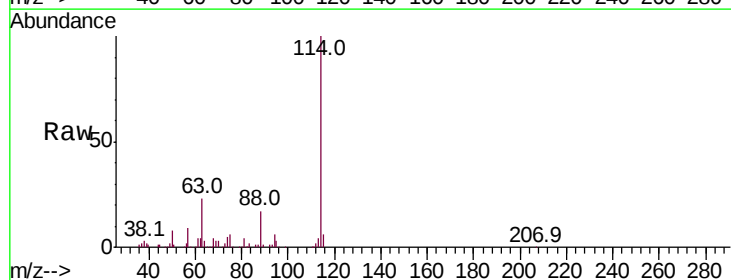
Instrument :
 MSVOA_W
 ClientSampled :

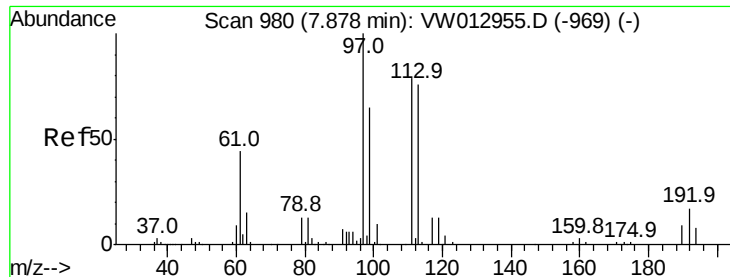
Tot Ion: 65 Resp: 30596
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013084.D
 Acq: 17 Sep 2019 12:37

Tgt Ion: 114 Resp: 92323
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 43.4
 88 16.6 0.0 31.6

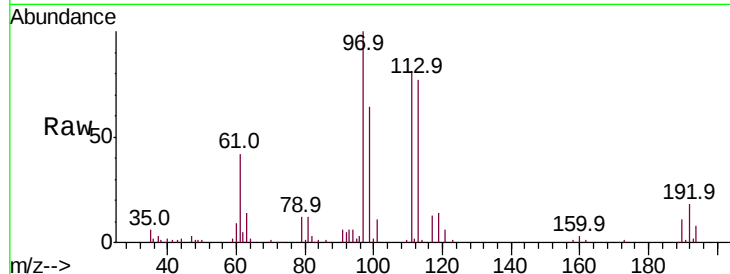




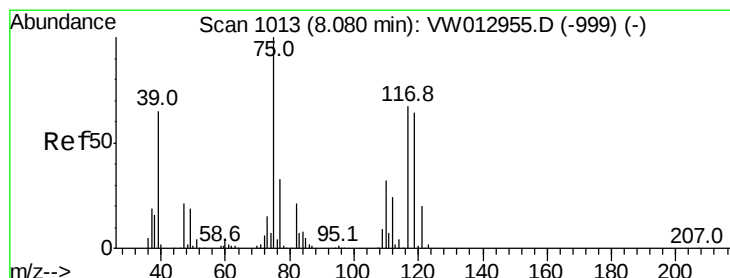
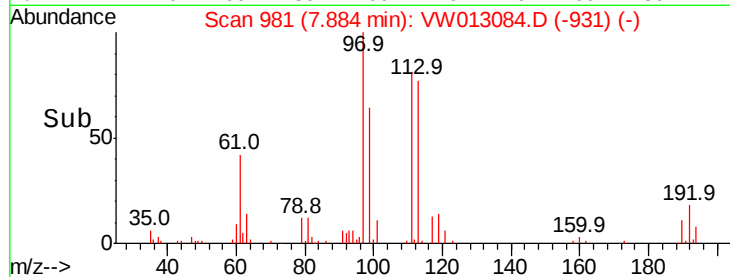
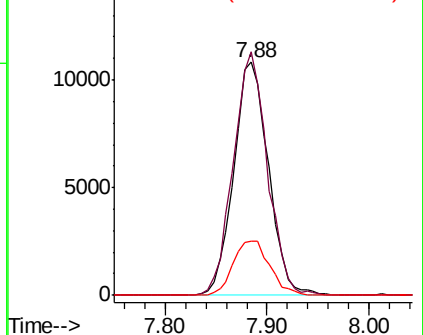
#35
 Dibromofluoromethane
 Concen: 51.112 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW013084.D
 Acq: 17 Sep 2019 12:37

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion:113 Resp: 25605
 Ion Ratio Lower Upper
 113 100
 111 102.2 82.8 124.2
 192 24.5 17.8 26.8

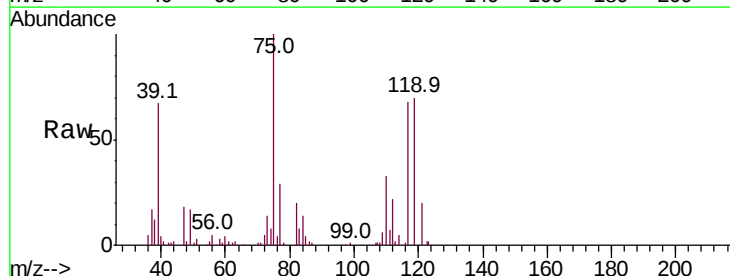


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

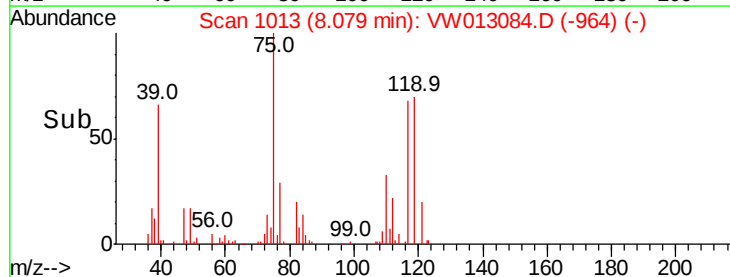
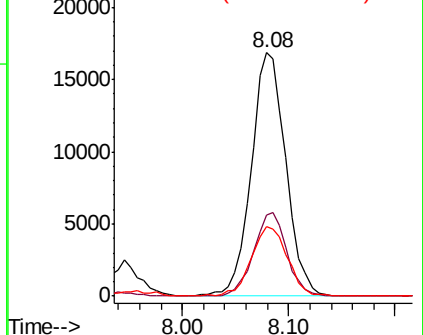


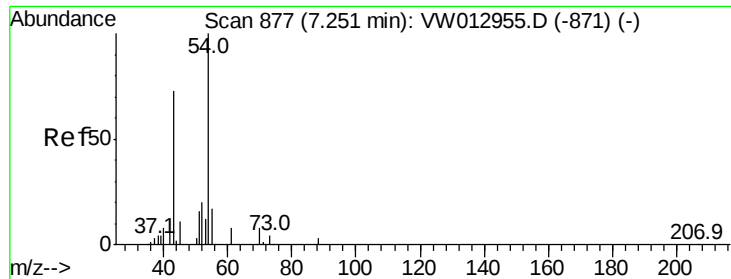
#36
 1,1-Dichloropropene
 Concen: 51.964 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW013084.D
 Acq: 17 Sep 2019 12:37

Tgt Ion: 75 Resp: 38336
 Ion Ratio Lower Upper
 75 100
 110 32.8 16.4 49.1
 77 29.9 25.1 37.7



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

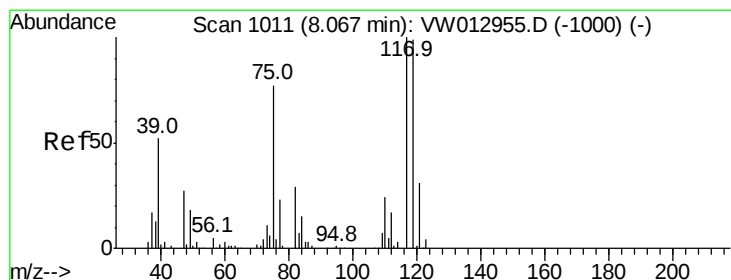
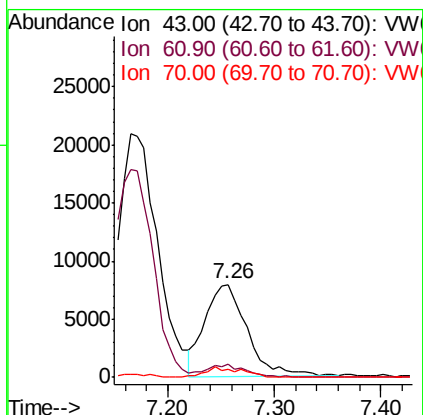
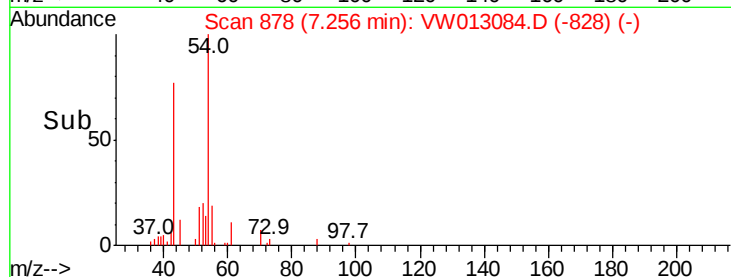
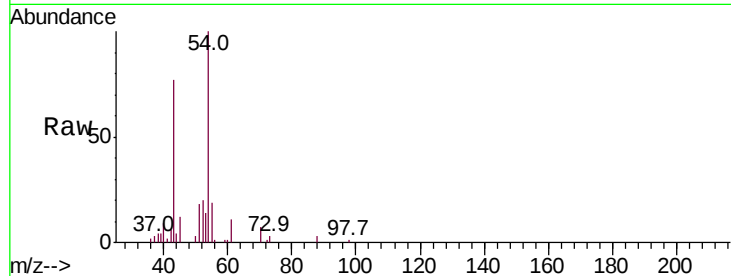




#37
Ethyl Acetate
Concen: 54.612 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW013084.D
Acq: 17 Sep 2019 12:37

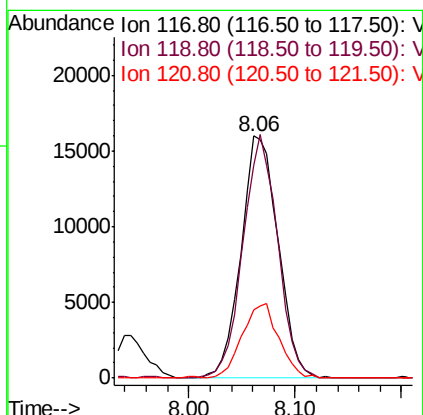
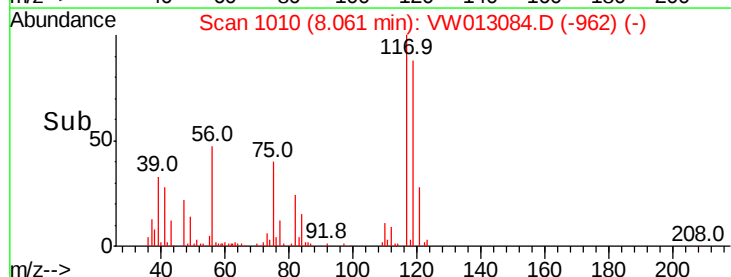
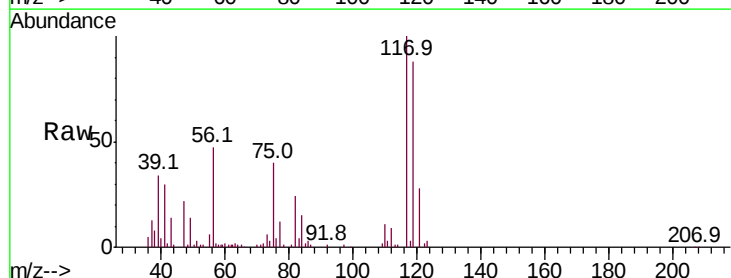
Instrument :
MSVOA_W
ClientSampled :

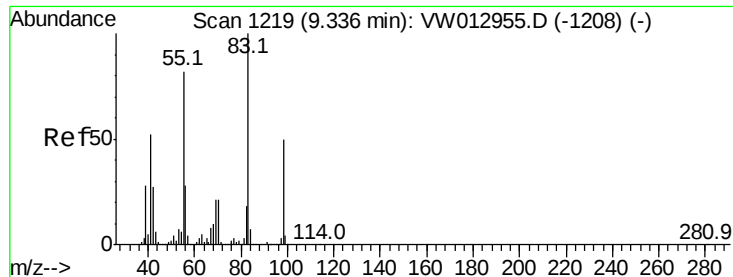
Tot Ion: 43 Resp: 21385
Ion Ratio Lower Upper
43 100
61 12.6 9.6 14.4
70 9.6 7.6 11.4



#38
Carbon Tetrachloride
Concen: 51.692 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW013084.D
Acq: 17 Sep 2019 12:37

Tgt Ion: 117 Resp: 39080
Ion Ratio Lower Upper
117 100
119 87.8 79.4 119.0
121 28.4 24.6 36.8

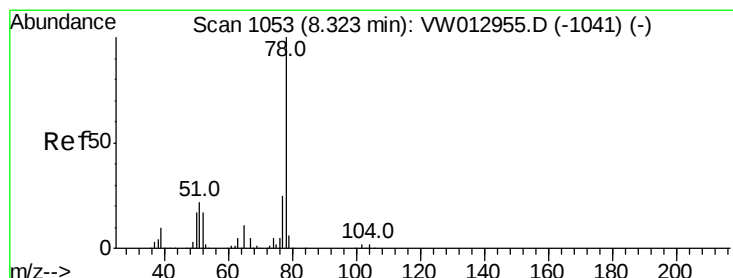
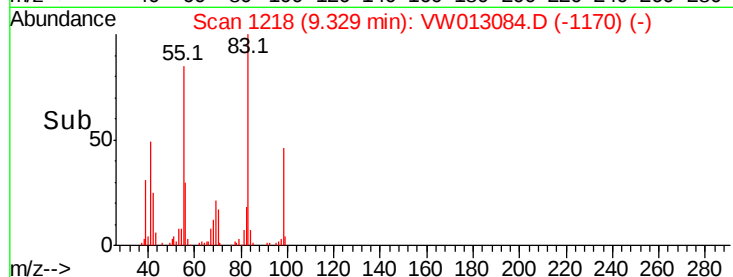
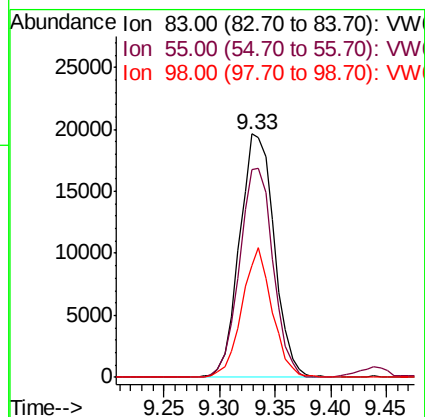
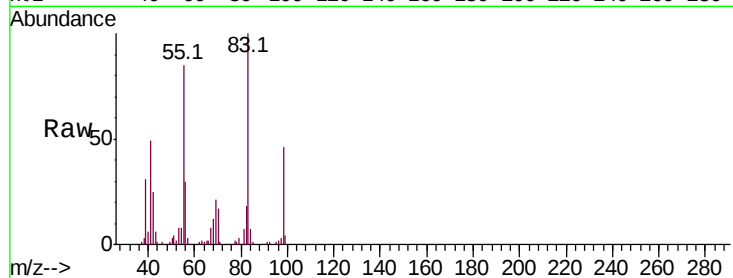




#39
Methvlcvclohexane
Concen: 52.367 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW013084.D
Acq: 17 Sep 2019 12:37

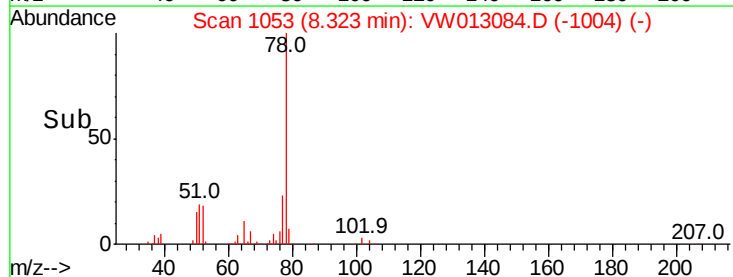
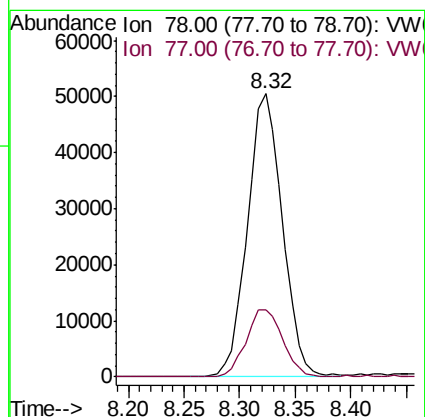
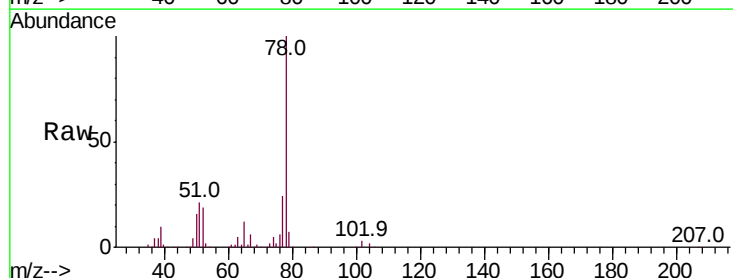
Instrument :
MSVOA_W
ClientSampleId :

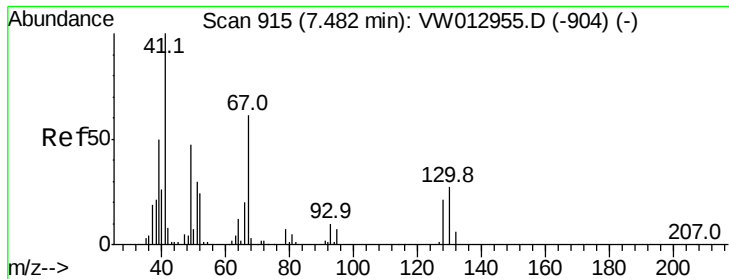
Tot Ion: 83 Resp: 42334
Ion Ratio Lower Upper
83 100
55 85.5 65.9 98.9
98 46.1 39.6 59.4



#40
Benzene
Concen: 53.634 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013084.D
Acq: 17 Sep 2019 12:37

Tgt Ion: 78 Resp: 110460
Ion Ratio Lower Upper
78 100
77 23.5 19.6 29.4





#41

Methacrylonitrile

Concen: 56.435 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW013084.D

Acq: 17 Sep 2019 12:37

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 41 Resp: 14553

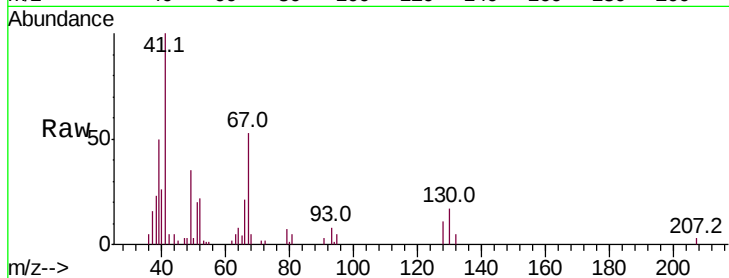
Ion Ratio Lower Upper

41 100

39 53.4 48.2 72.4

67 56.4 47.5 71.3

52 29.6 21.0 31.4

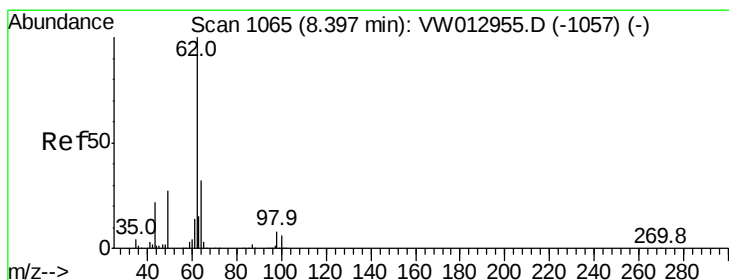
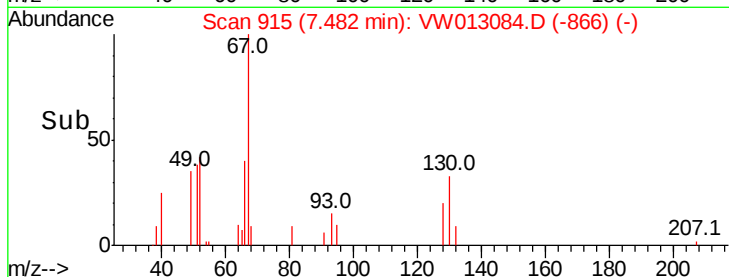
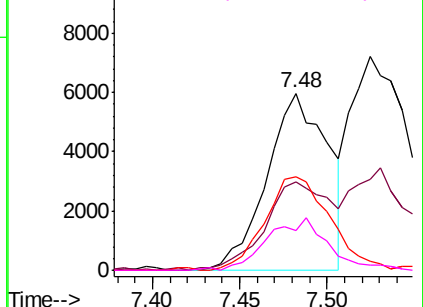


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 53.132 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW013084.D

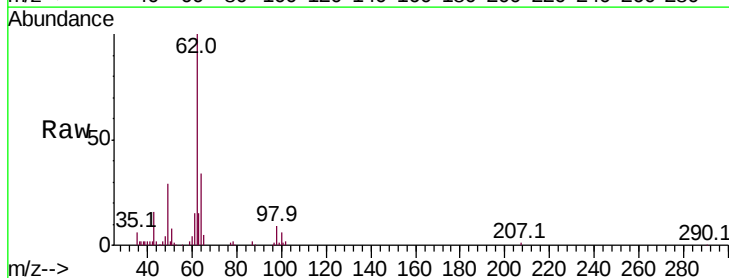
Acq: 17 Sep 2019 12:37

Tgt Ion: 62 Resp: 36682

Ion Ratio Lower Upper

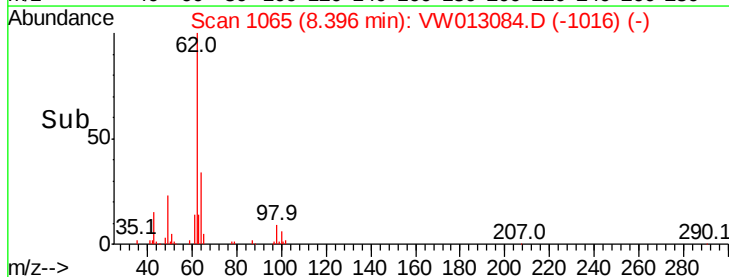
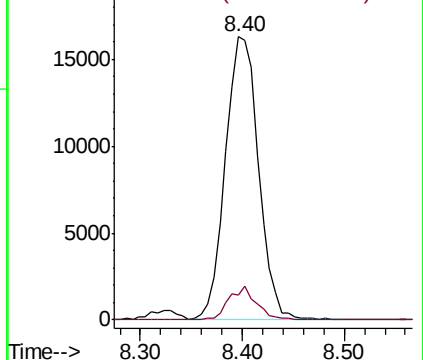
62 100

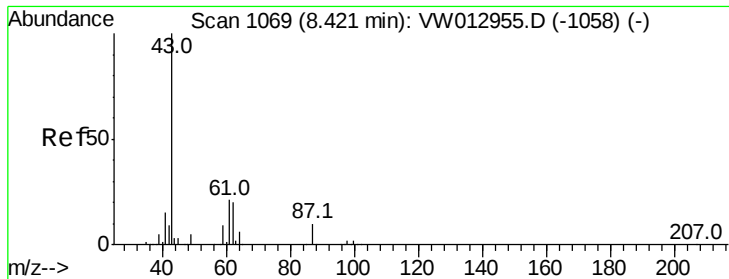
98 9.8 0.0 16.8



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW



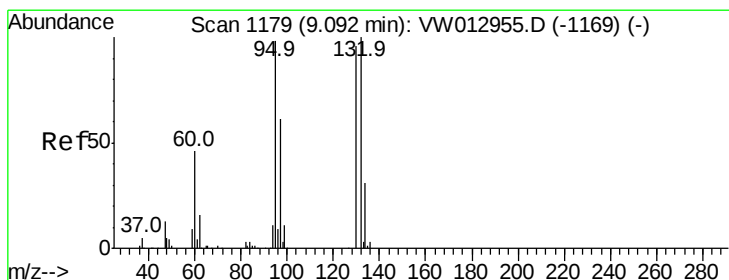
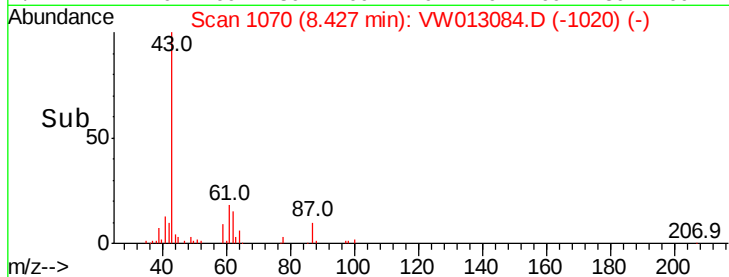
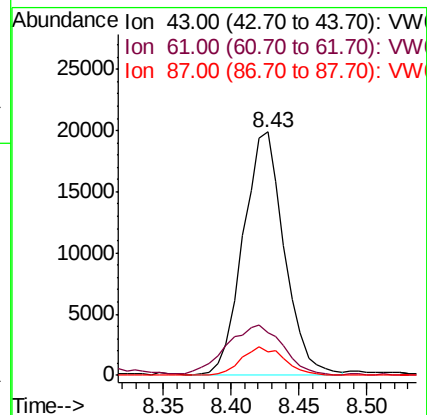
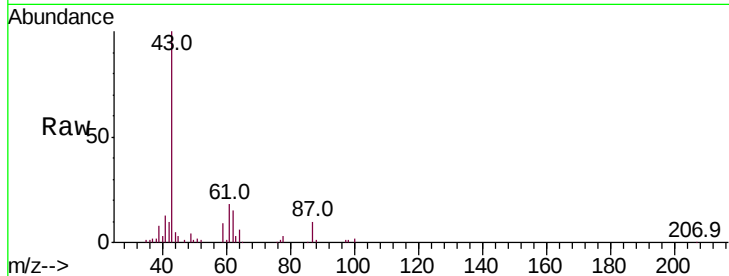


#43

Isopropyl Acetate
 Concen: 56.142 ug/l
 RT: 8.43 min Scan# 1070
 Delta R.T. 0.01 min
 Lab File: VW013084.D
 Acq: 17 Sep 2019 12:37

Instrument :
 MSVOA_W
 ClientSampled :

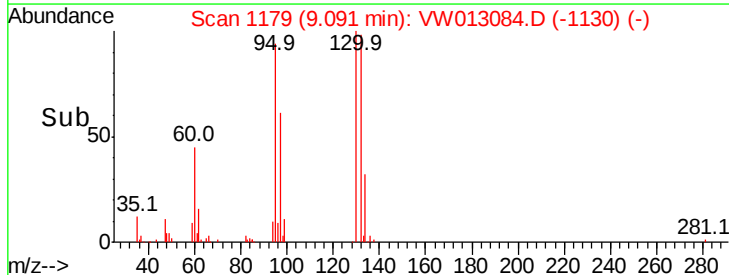
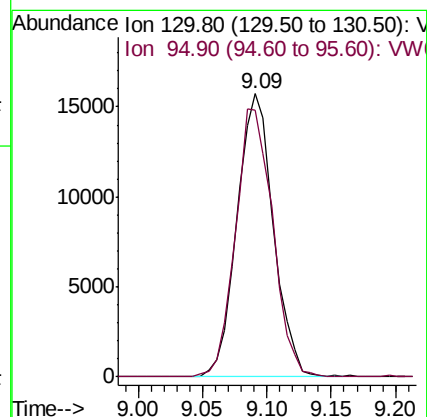
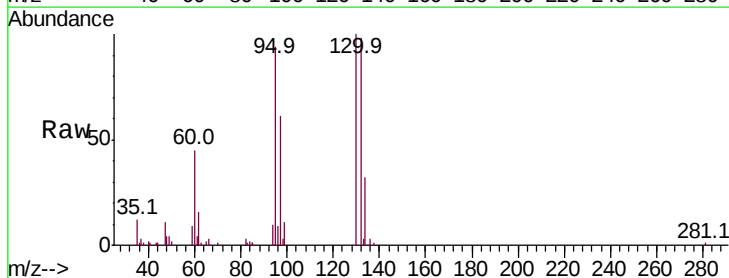
Tot Ion: 43 Resp: 42211
 Ion Ratio Lower Upper
 43 100
 61 27.3 22.7 34.1
 87 12.4 9.4 14.2

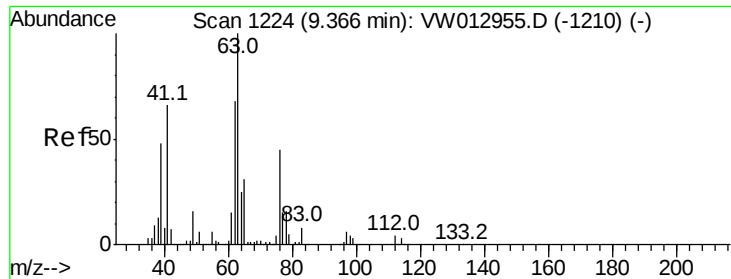


#44

Trichloroethene
 Concen: 54.580 ug/l
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW013084.D
 Acq: 17 Sep 2019 12:37

Tgt Ion: 130 Resp: 30790
 Ion Ratio Lower Upper
 130 100
 95 94.4 0.0 204.4





#45

1,2-Dichloropropane

Concen: 56.977 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW013084.D

Acq: 17 Sep 2019 12:37

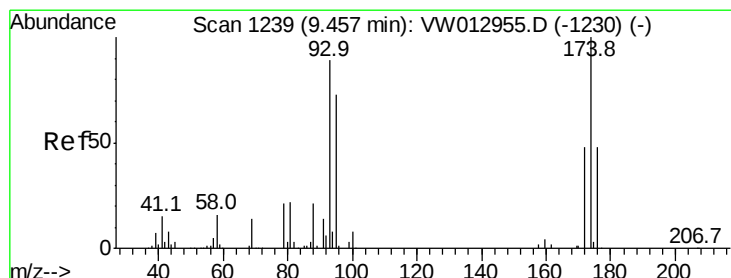
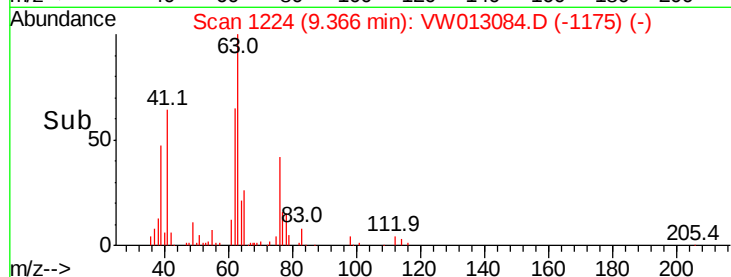
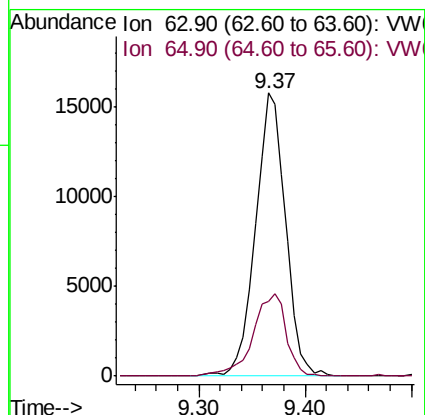
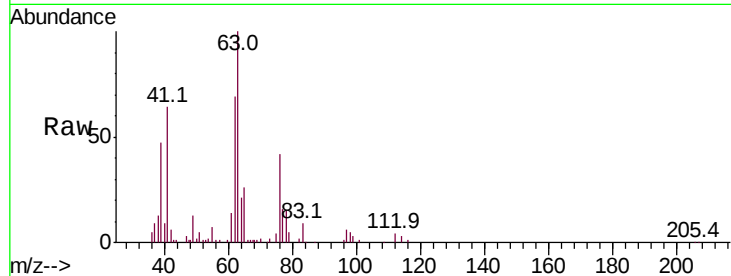
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 63 Resp: 31177

Ion Ratio Lower Upper

63 100

65 26.3 24.6 37.0



#46

Dibromomethane

Concen: 54.788 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW013084.D

Acq: 17 Sep 2019 12:37

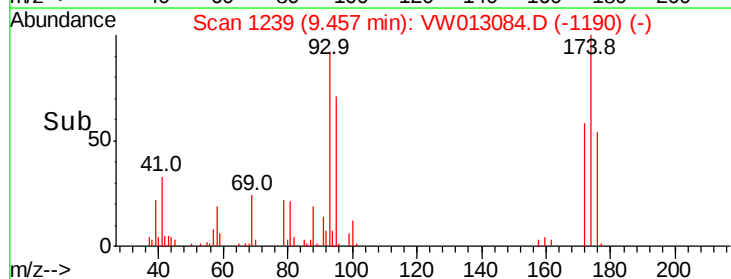
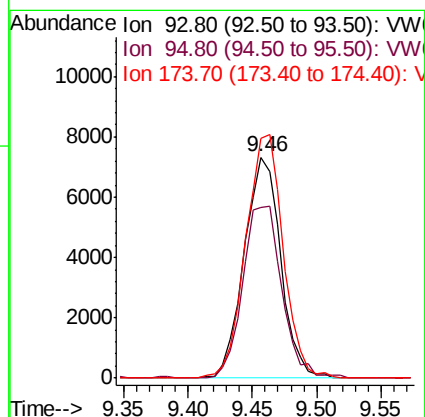
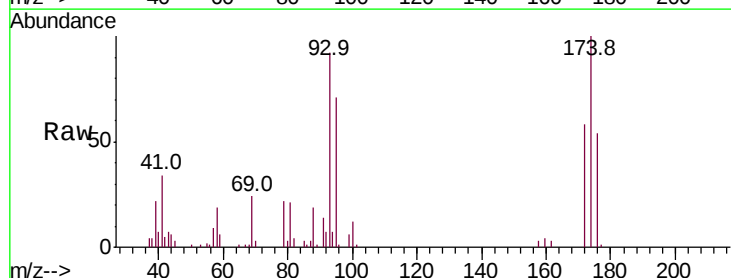
Tgt Ion: 93 Resp: 14363

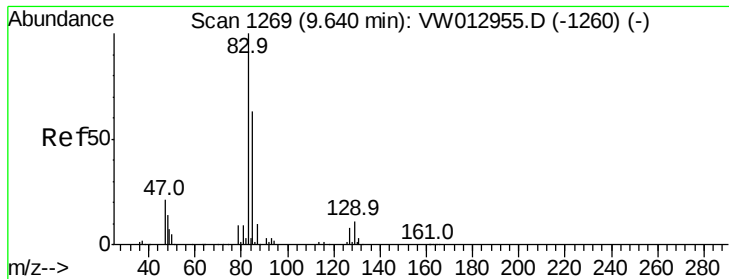
Ion Ratio Lower Upper

93 100

95 83.1 67.0 100.4

174 112.6 90.5 135.7





#47

Bromodichloromethane

Concen: 52.427 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW013084.D

Acq: 17 Sep 2019 12:37

Instrument :

MSVOA_W

ClientSampled :

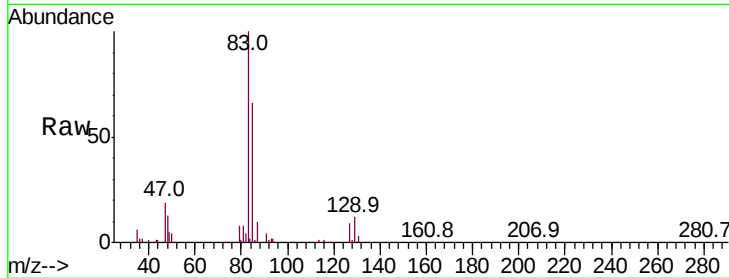
Tot Ion: 83 Resp: 38552

Ion Ratio Lower Upper

83 100

85 65.9 50.6 75.8

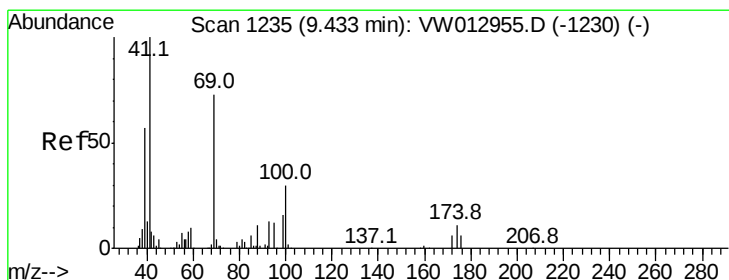
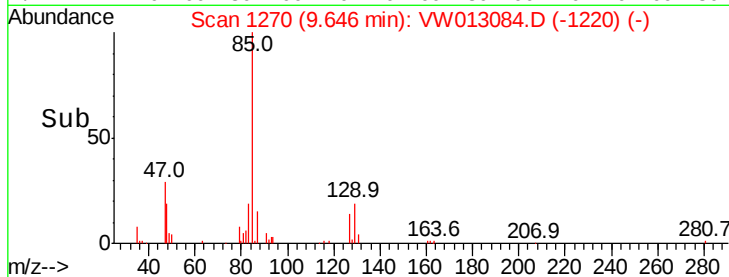
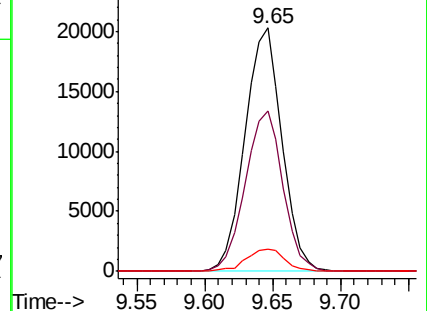
127 9.3 6.7 10.1



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): VW



#48

Methyl methacrylate

Concen: 54.223 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.01 min

Lab File: VW013084.D

Acq: 17 Sep 2019 12:37

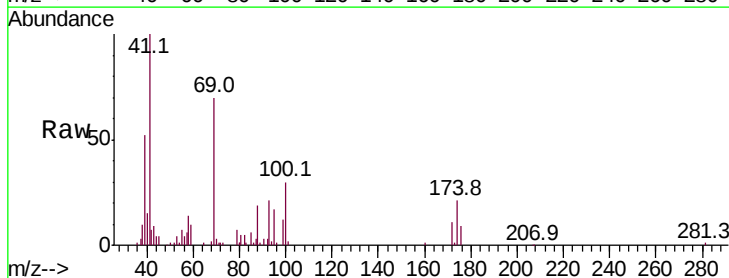
Tgt Ion: 41 Resp: 19133

Ion Ratio Lower Upper

41 100

69 83.7 62.8 94.2

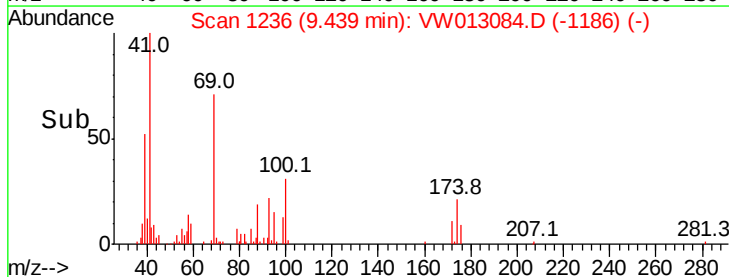
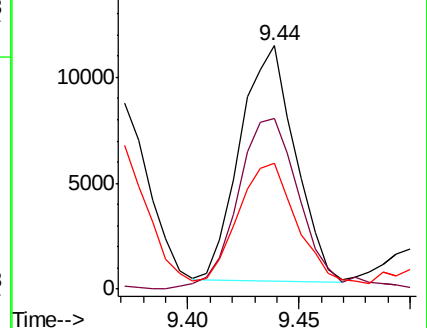
39 60.6 48.5 72.7

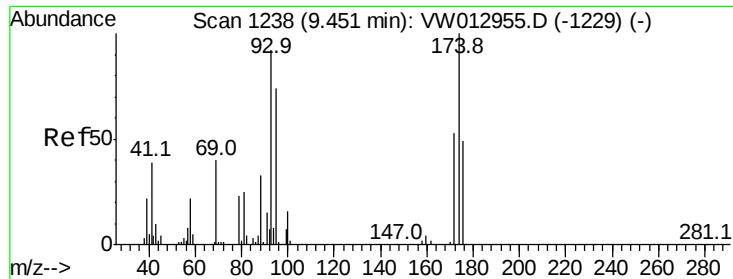


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 1130.956 ug/l

RT: 9.44 min Scan# 1237

Delta R.T. -0.01 min

Lab File: VW013084.D

Acq: 17 Sep 2019 12:37

Instrument :
MSVOA_W
ClientSampled :

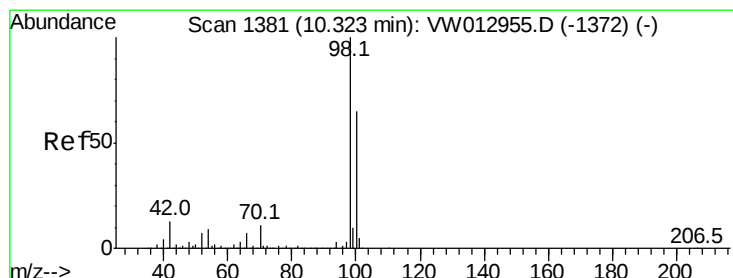
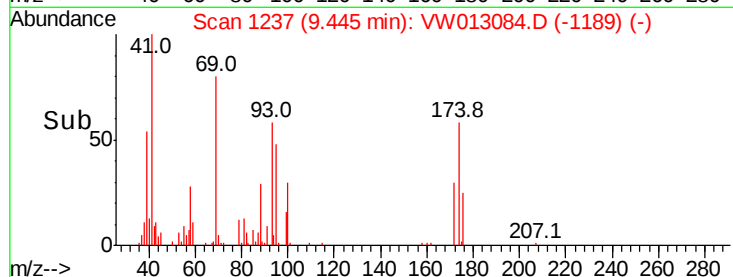
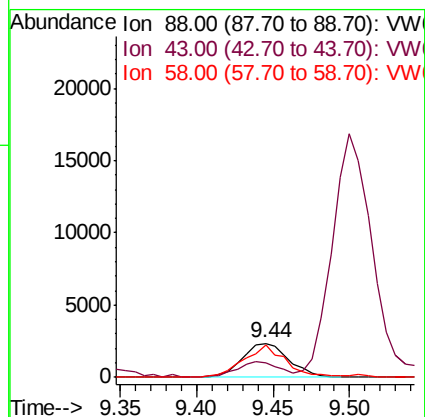
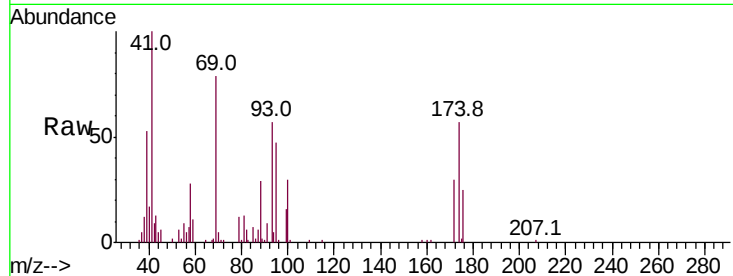
Tot Ion: 88 Resp: 4968

Ion Ratio Lower Upper

88 100

43 43.6 31.3 46.9

58 87.2 60.2 90.2



#50

Toluene-d8

Concen: 53.982 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013084.D

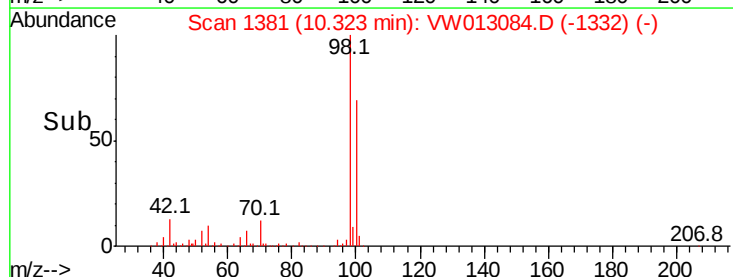
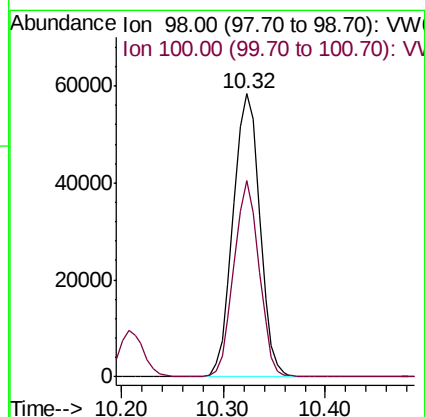
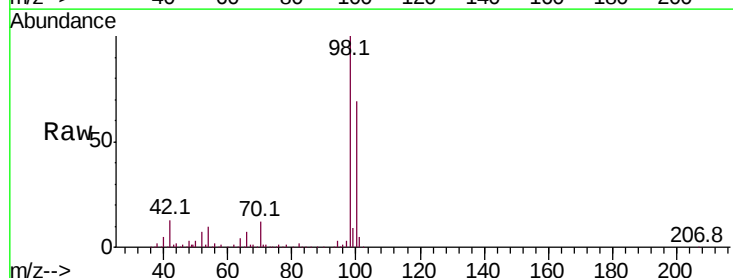
Acq: 17 Sep 2019 12:37

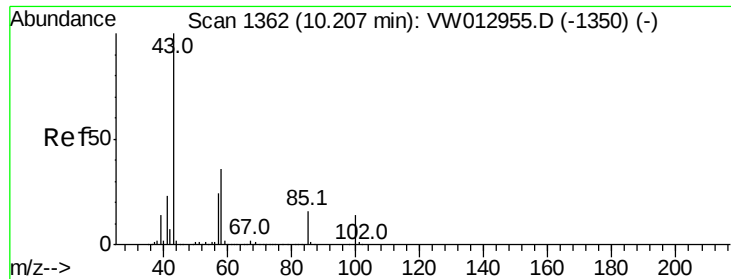
Tgt Ion: 98 Resp: 105821

Ion Ratio Lower Upper

98 100

100 65.4 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 305.403 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013084.D

Acq: 17 Sep 2019 12:37

Instrument :

MSVOA_W

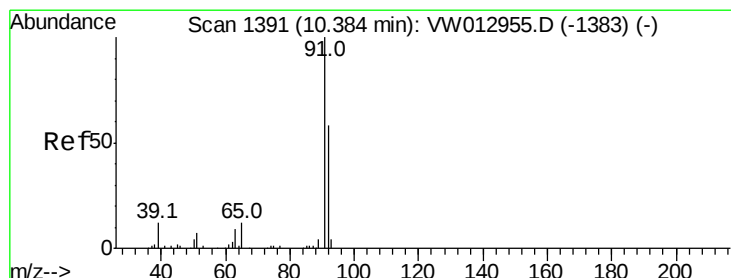
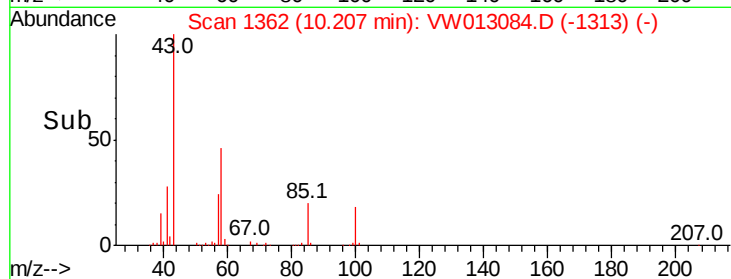
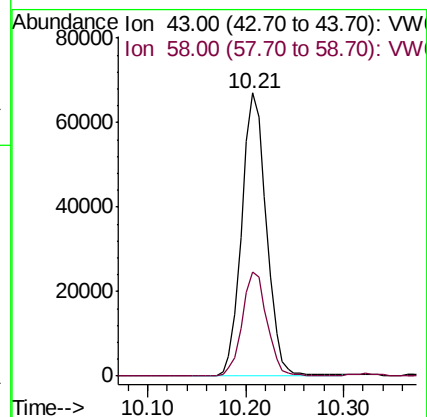
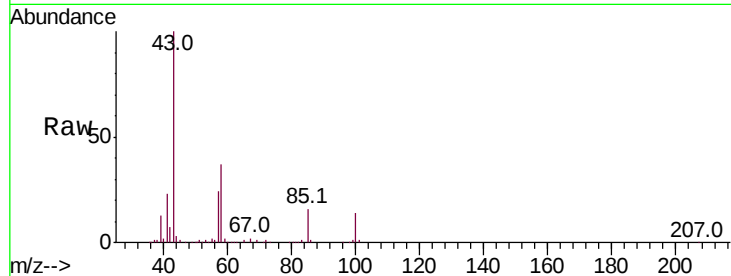
ClientSampleId :

Tot Ion: 43 Resp: 118547

Ion Ratio Lower Upper

43 100

58 36.6 29.5 44.3



#52

Toluene

Concen: 55.287 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW013084.D

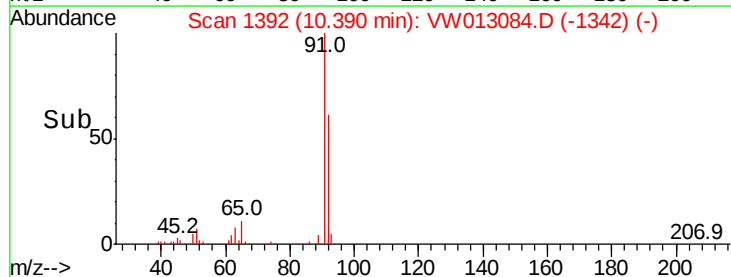
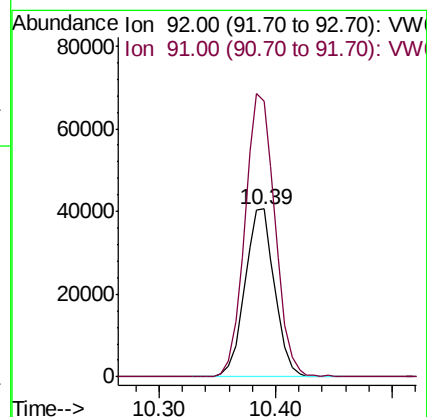
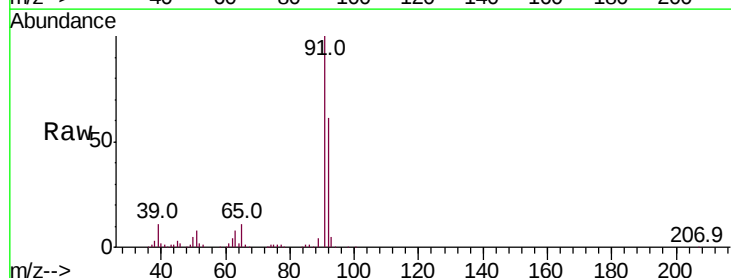
Acq: 17 Sep 2019 12:37

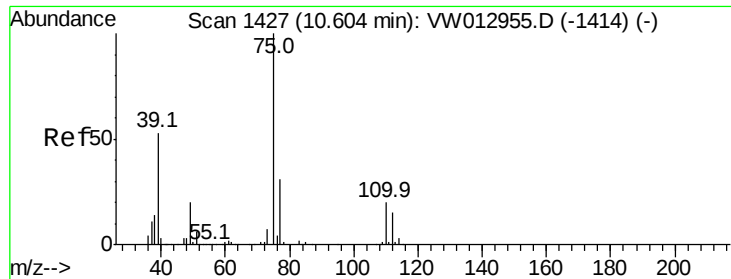
Tgt Ion: 92 Resp: 72354

Ion Ratio Lower Upper

92 100

91 170.6 137.5 206.3





#53

t-1,3-Dichloropropene

Concen: 52.494 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013084.D

Acq: 17 Sep 2019 12:37

Instrument :

MSVOA_W

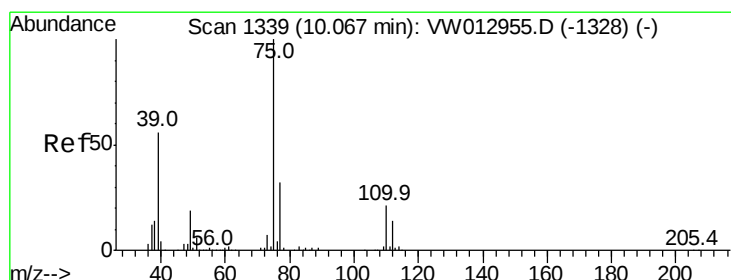
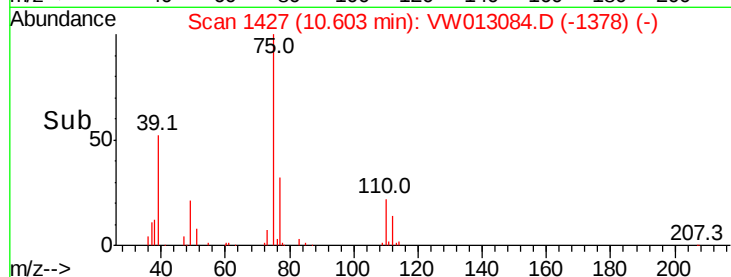
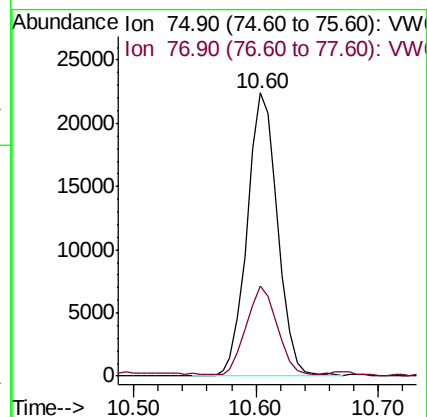
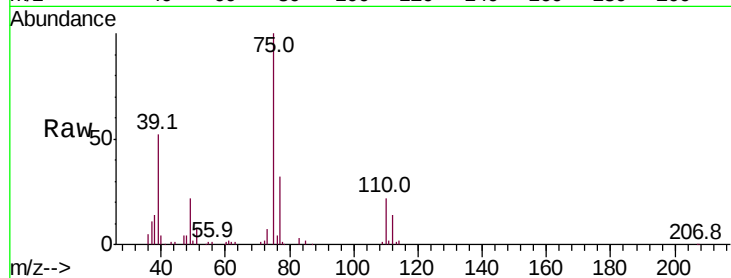
ClientSampled :

Tot Ion: 75 Resp: 38822

Ion Ratio Lower Upper

75 100

77 30.9 24.6 37.0



#54

cis-1,3-Dichloropropene

Concen: 53.934 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.01 min

Lab File: VW013084.D

Acq: 17 Sep 2019 12:37

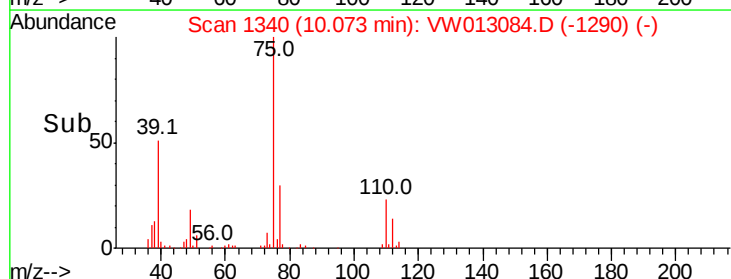
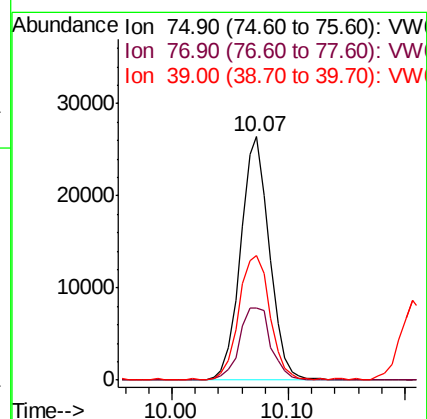
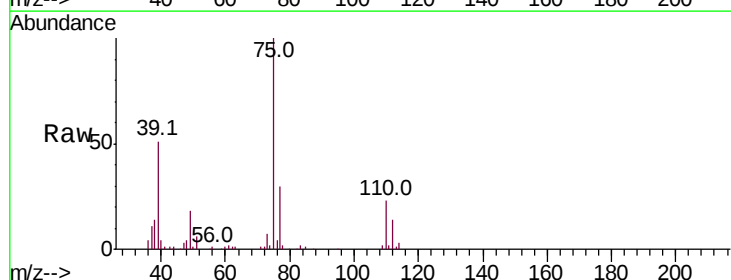
Tgt Ion: 75 Resp: 45638

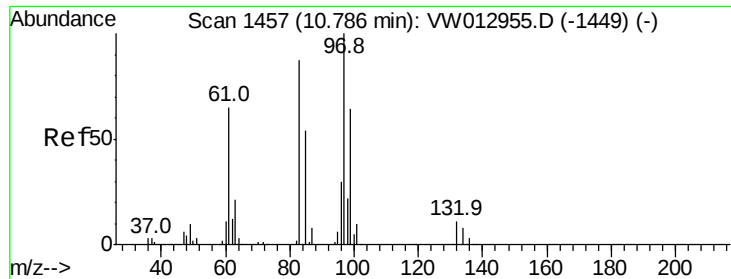
Ion Ratio Lower Upper

75 100

77 29.8 25.5 38.3

39 50.7 45.0 67.6



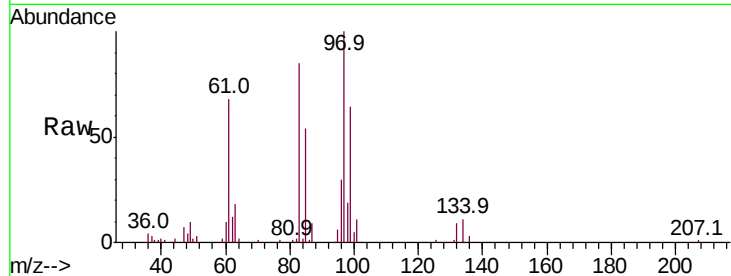


#55
 1,1,2-Trichloroethane
 Concen: 58.751 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013084.D
 Acq: 17 Sep 2019 12:37

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 97 Resp: 23463

Ion	Ratio	Lower	Upper
97	100		
83	85.4	69.4	104.0
85	54.3	43.3	64.9
99	64.4	50.9	76.3



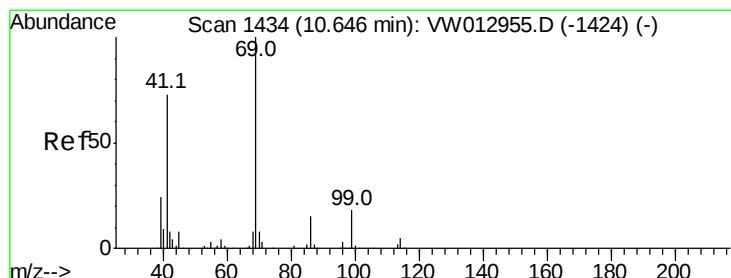
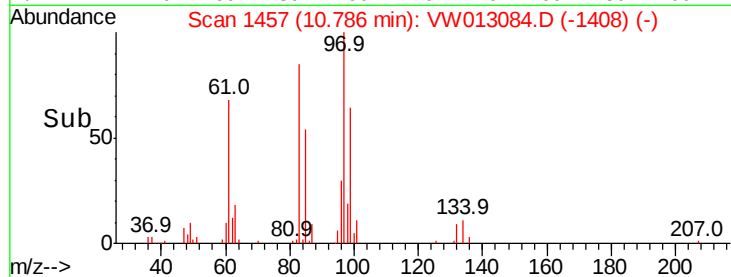
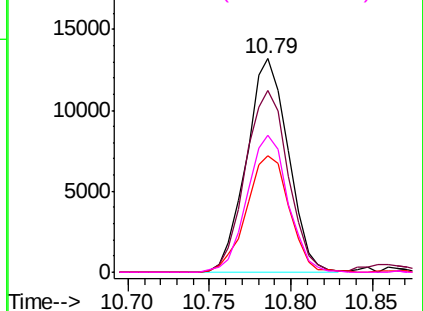
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

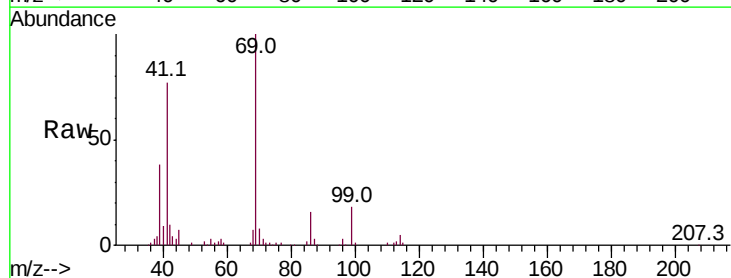
Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 55.884 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW013084.D
 Acq: 17 Sep 2019 12:37

Tgt Ion: 69 Resp: 30041

Ion	Ratio	Lower	Upper
69	100		
41	76.0	60.8	91.2
39	35.6	29.4	44.0

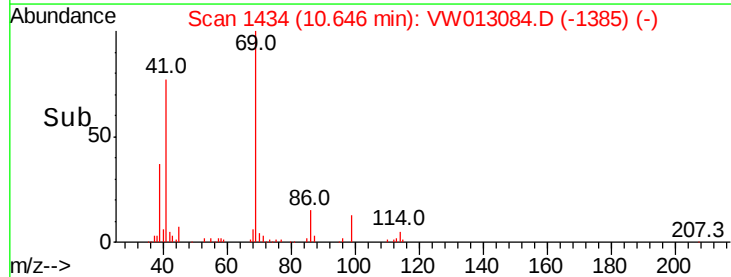
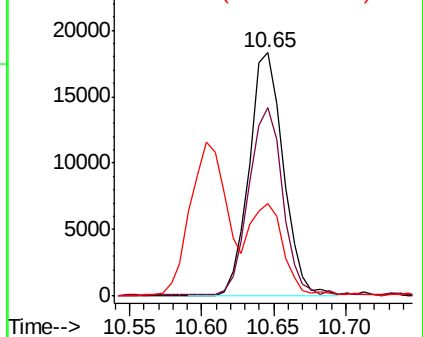


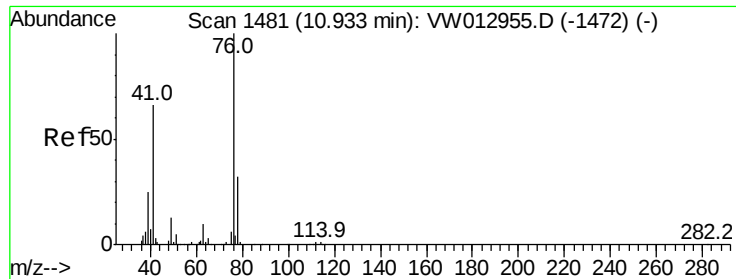
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 58.181 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW013084.D

Acq: 17 Sep 2019 12:37

Instrument :

MSVOA_W

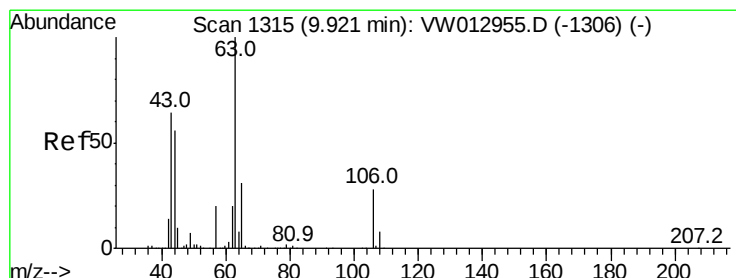
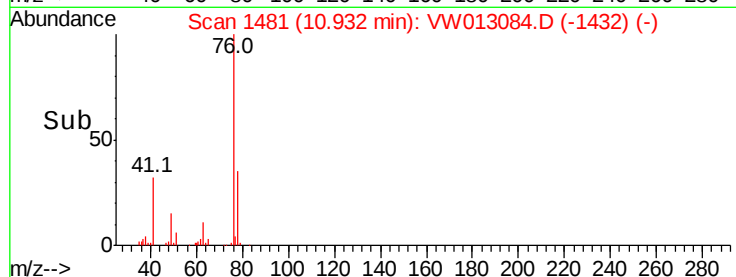
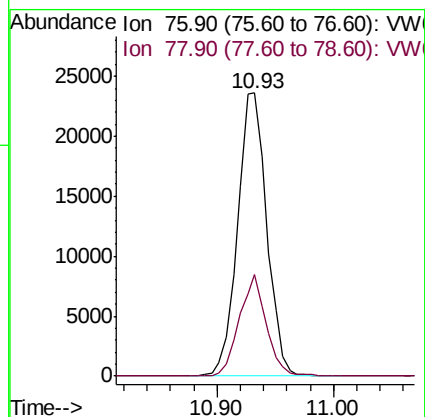
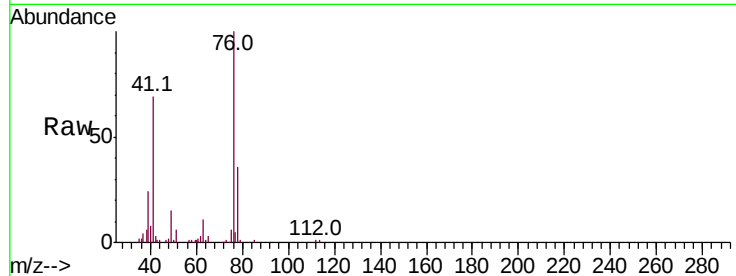
ClientSampled :

Tot Ion: 76 Resp: 41218

Ion Ratio Lower Upper

76 100

78 33.2 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 260.215 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW013084.D

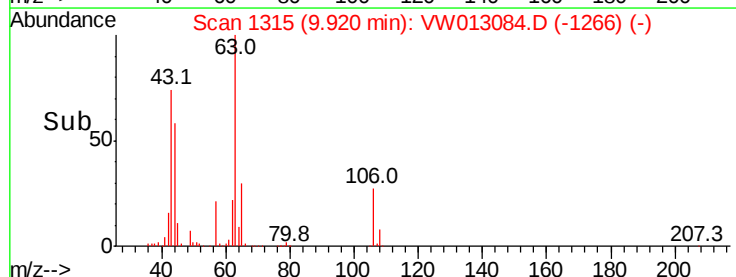
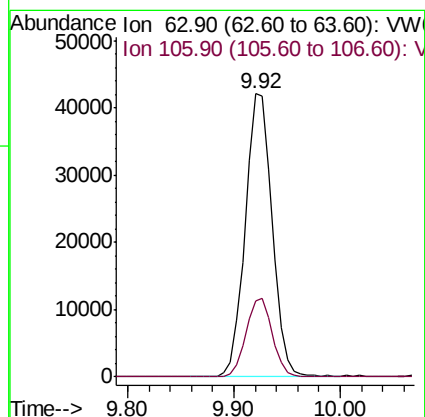
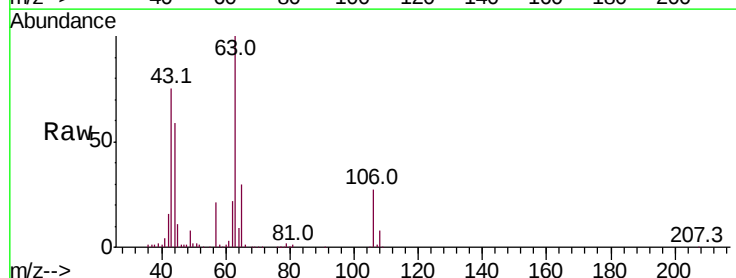
Acq: 17 Sep 2019 12:37

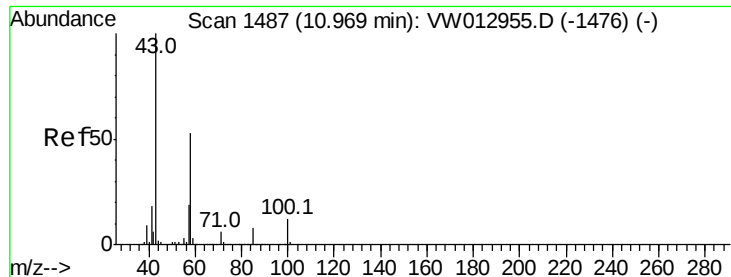
Tgt Ion: 63 Resp: 75036

Ion Ratio Lower Upper

63 100

106 27.1 22.2 33.2

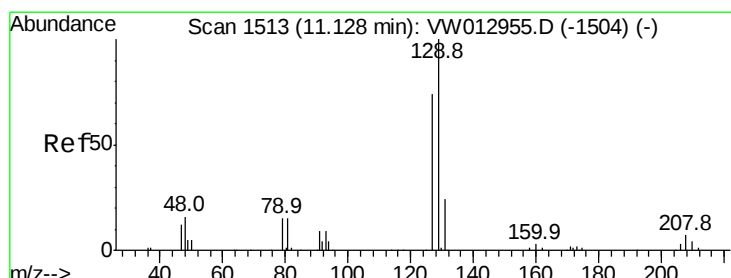
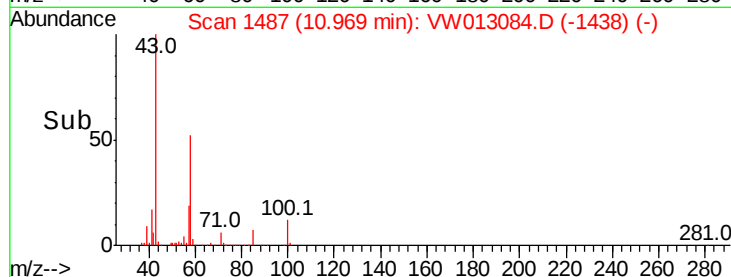
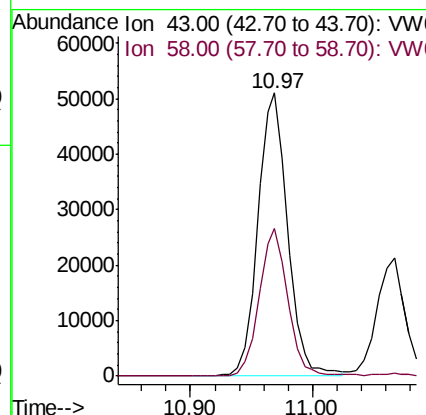
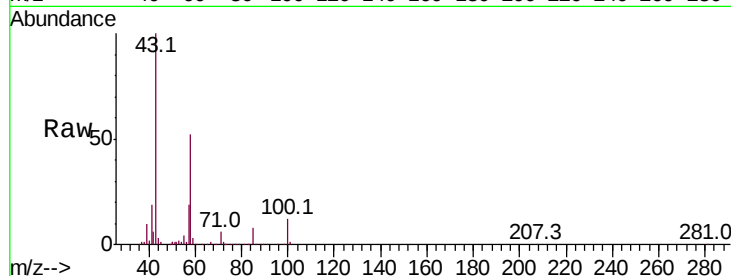




#59
2-Hexanone
Concen: 318.880 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW013084.D
Acq: 17 Sep 2019 12:37

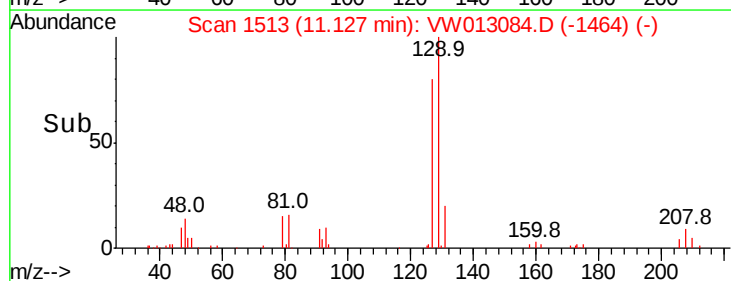
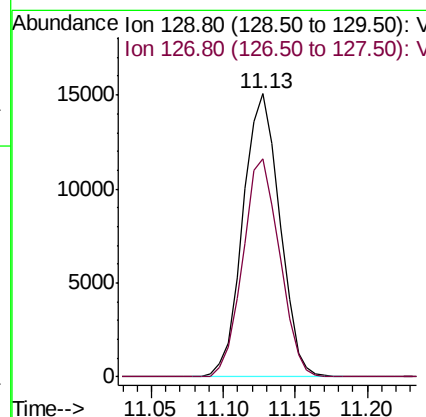
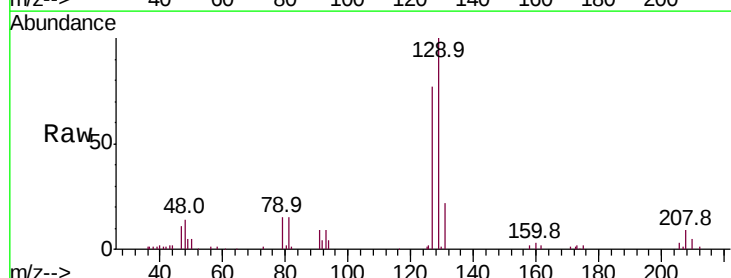
Instrument :
MSVOA_W
ClientSampleId :

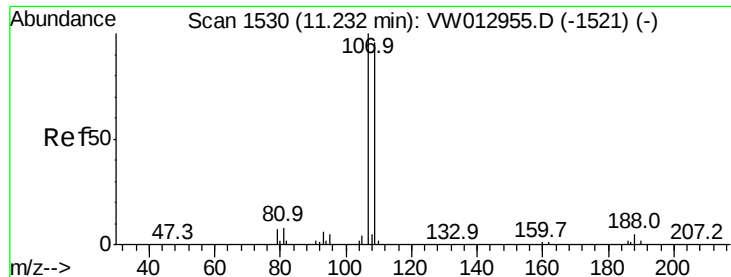
Tot Ion: 43 Resp: 86188
Ion Ratio Lower Upper
43 100
58 50.5 25.8 77.3



#60
Dibromochloromethane
Concen: 55.305 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013084.D
Acq: 17 Sep 2019 12:37

Tgt Ion: 129 Resp: 26703
Ion Ratio Lower Upper
129 100
127 77.0 37.4 112.2

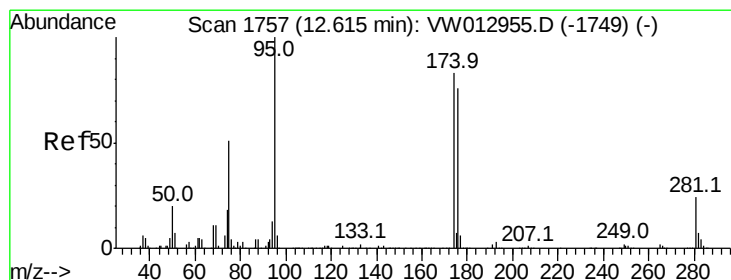
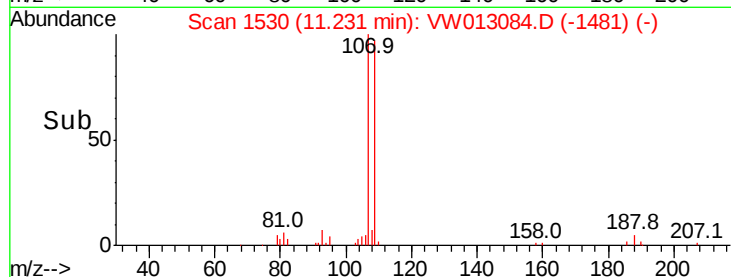
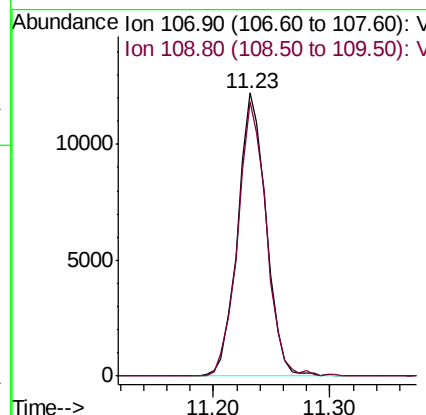
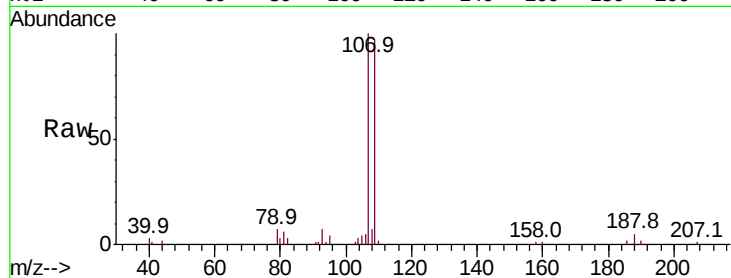




#61
 1,2-Dibromoethane
 Concen: 57.003 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW013084.D
 Acq: 17 Sep 2019 12:37

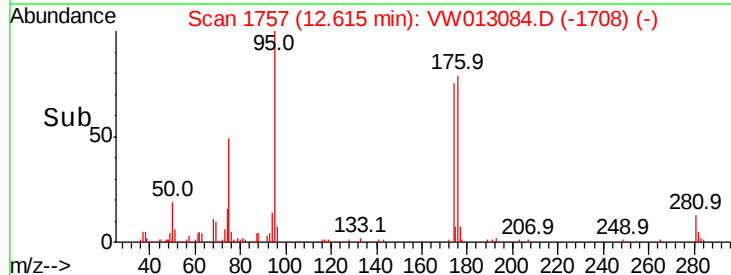
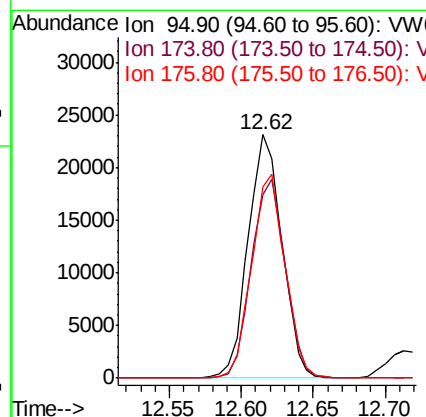
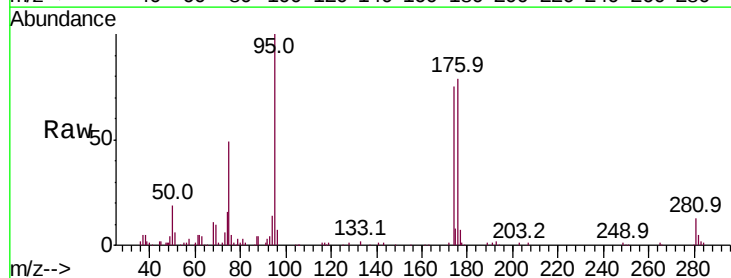
Instrument :
 MSVOA_W
 ClientSampleId :

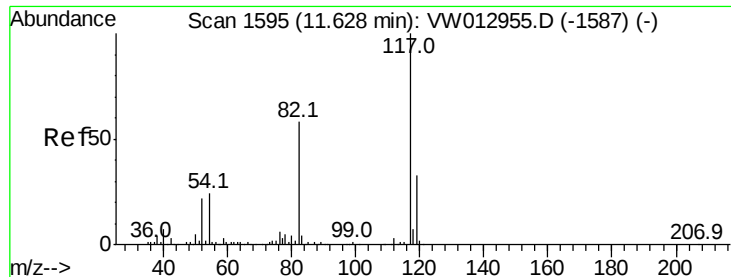
Tot Ion:107 Resp: 20767
 Ion Ratio Lower Upper
 107 100
 109 97.3 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 53.398 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013084.D
 Acq: 17 Sep 2019 12:37

Tgt Ion: 95 Resp: 37639
 Ion Ratio Lower Upper
 95 100
 174 81.8 0.0 170.4
 176 82.1 0.0 164.6

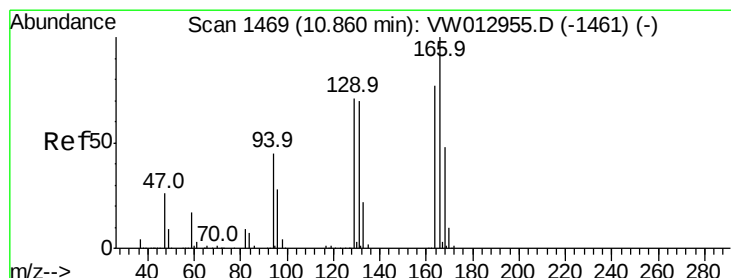
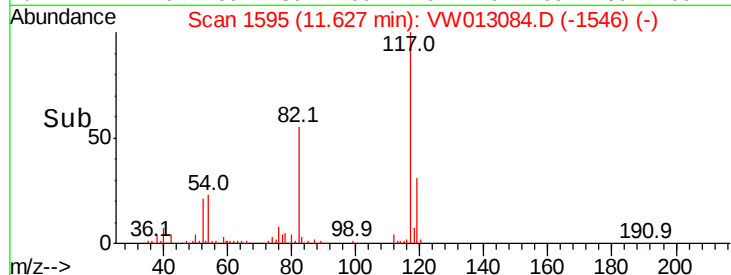
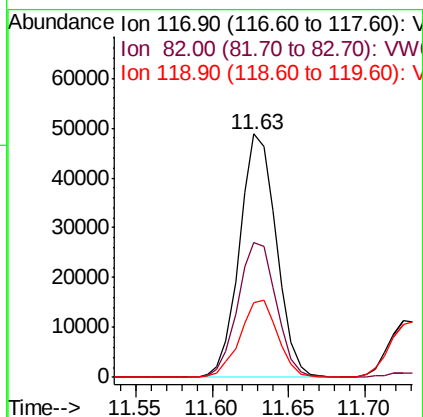
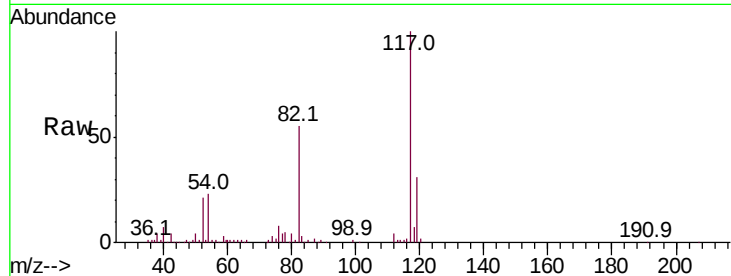




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013084.D
Acq: 17 Sep 2019 12:37

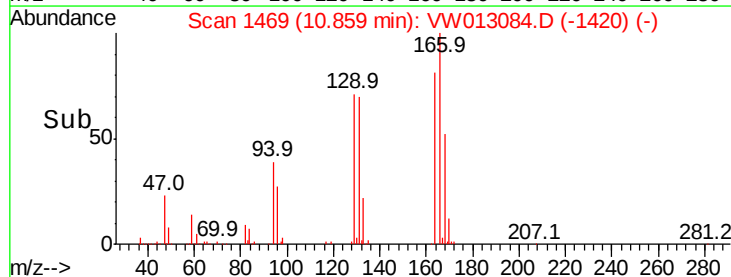
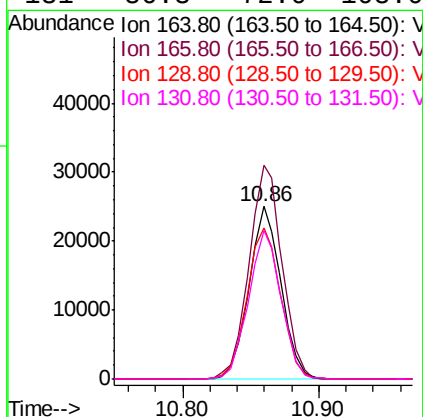
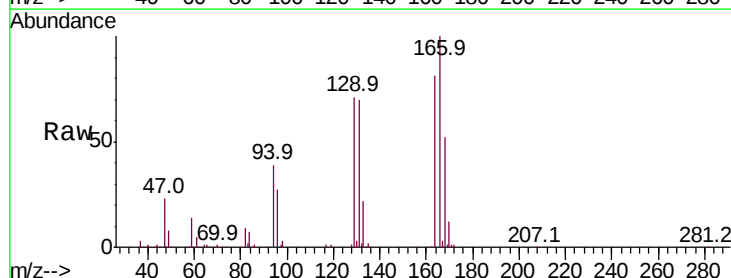
Instrument :
MSVOA_W
ClientSampleId :

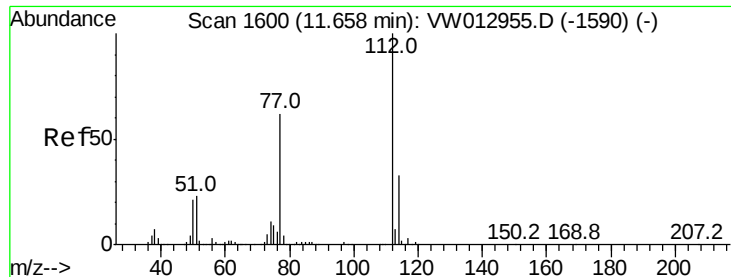
Tot Ion:117 Resp: 81806
Ion Ratio Lower Upper
117 100
82 55.5 46.3 69.5
119 30.9 26.2 39.4



#64
Tetrachloroethene
Concen: 84.544 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013084.D
Acq: 17 Sep 2019 12:37

Tgt Ion:164 Resp: 41145
Ion Ratio Lower Upper
164 100
166 123.8 103.3 154.9
129 87.3 73.8 110.8
131 86.3 72.0 108.0

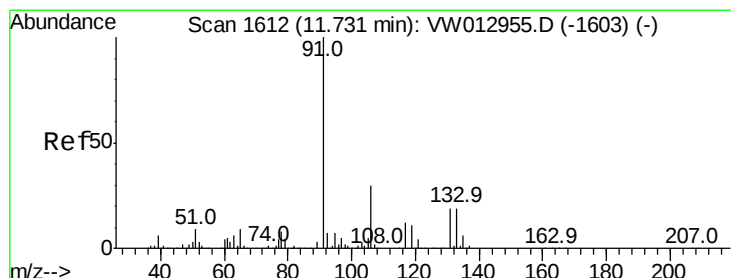
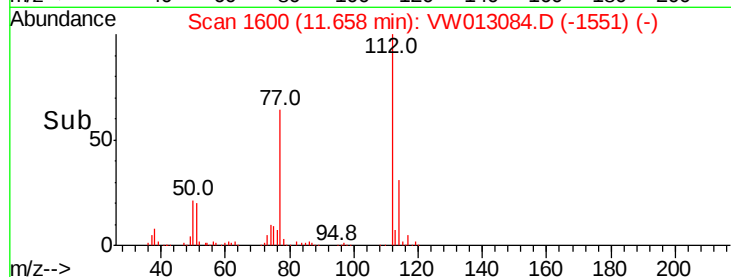
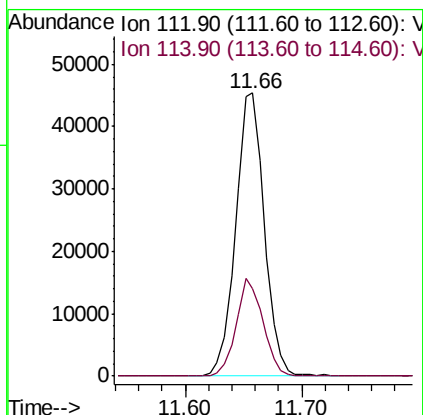
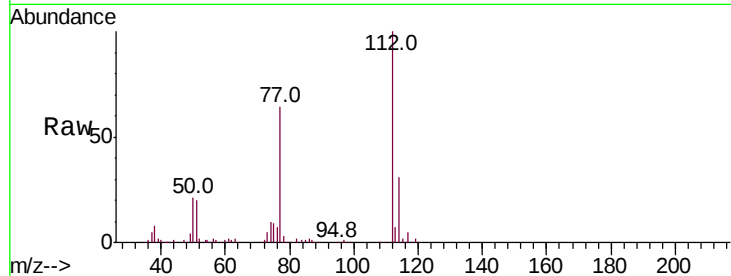




#65
Chlorobenzene
Concen: 53.360 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013084.D
Acq: 17 Sep 2019 12:37

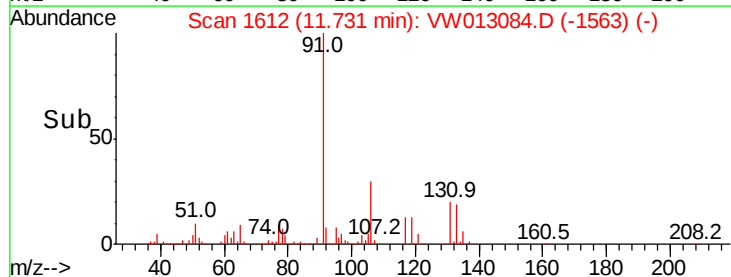
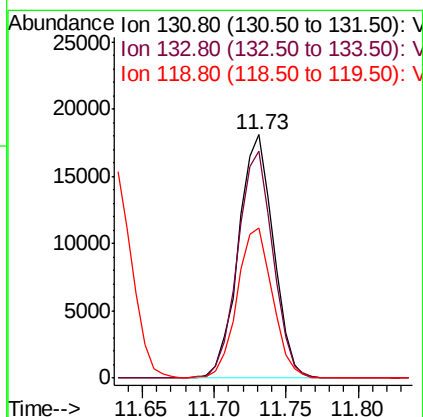
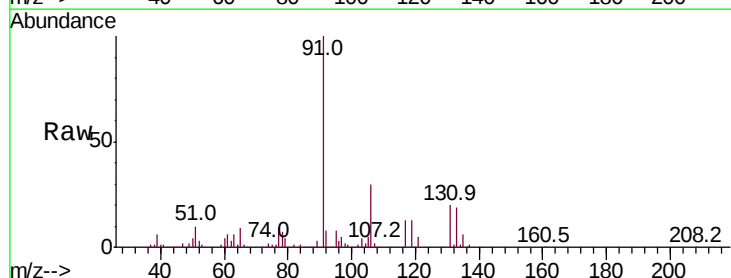
Instrument :
MSVOA_W
ClientSampled :

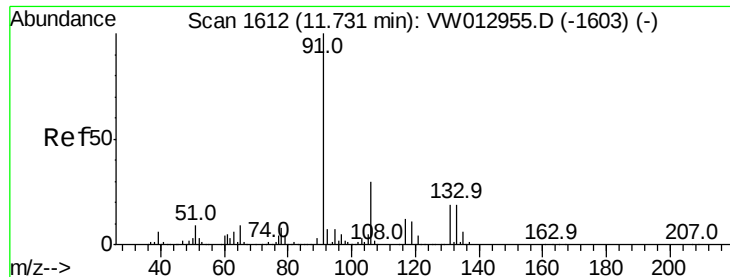
Tot Ion:112 Resp: 77753
Ion Ratio Lower Upper
112 100
114 31.1 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 54.729 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013084.D
Acq: 17 Sep 2019 12:37

Tgt Ion:131 Resp: 30561
Ion Ratio Lower Upper
131 100
133 94.1 47.9 143.8
119 62.4 30.9 92.7

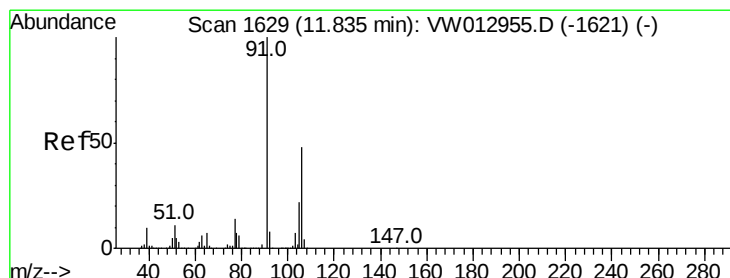
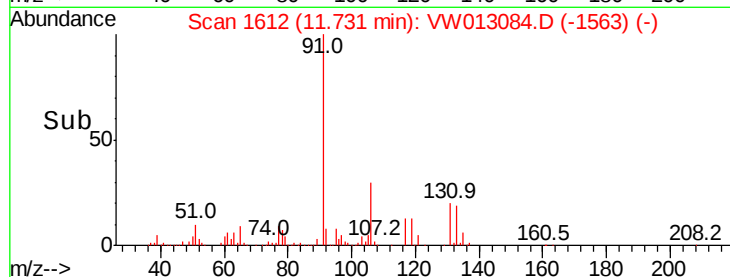
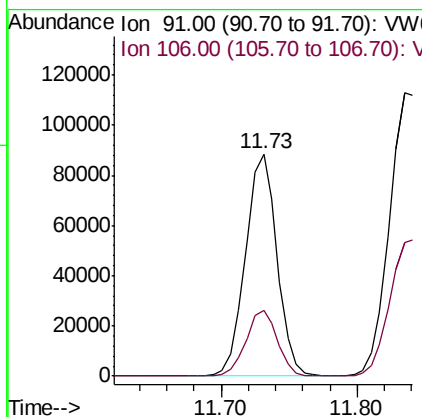
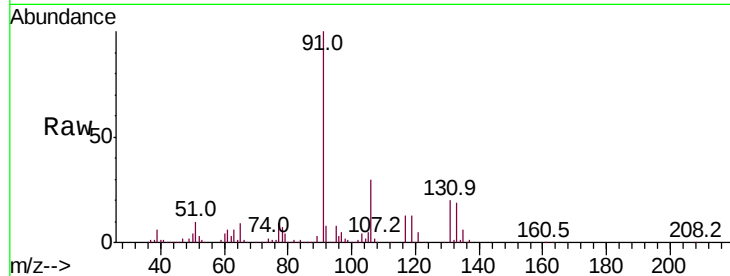




#67
Ethyl Benzene
Concen: 53.322 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013084.D
Acq: 17 Sep 2019 12:37

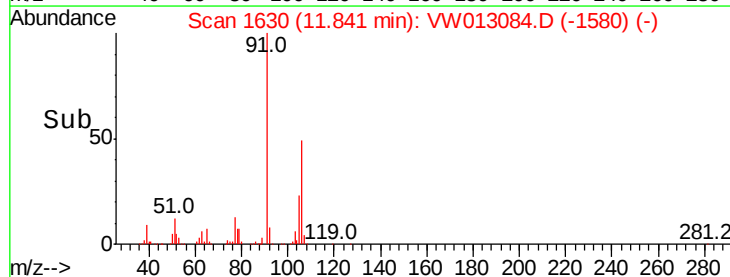
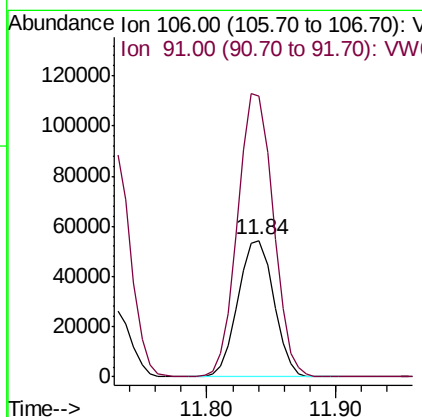
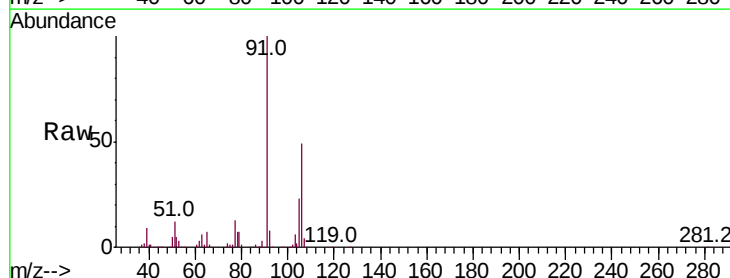
Instrument :
MSVOA_W
ClientSampled :

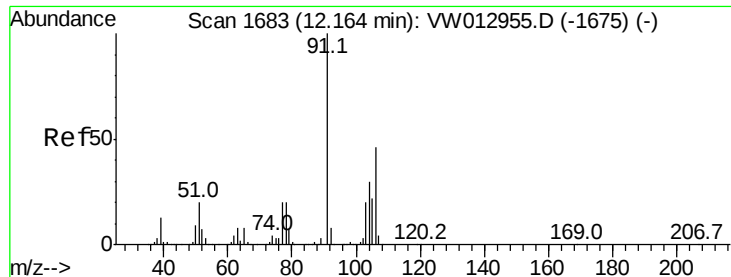
Tot Ion: 91 Resp: 143500
Ion Ratio Lower Upper
91 100
106 29.8 24.3 36.5



#68
m/p-Xylenes
Concen: 106.839 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW013084.D
Acq: 17 Sep 2019 12:37

Tgt Ion:106 Resp: 105036
Ion Ratio Lower Upper
106 100
91 207.7 165.8 248.8

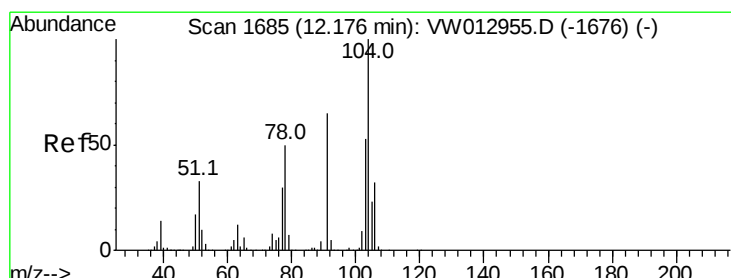
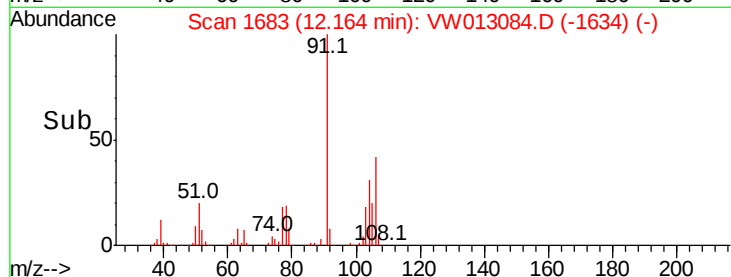
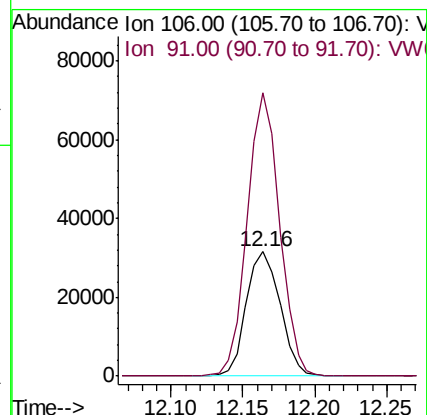
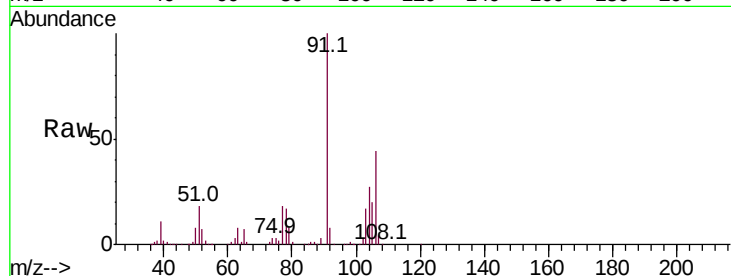




#69
o-Xylene
Concen: 55.743 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013084.D
Acq: 17 Sep 2019 12:37

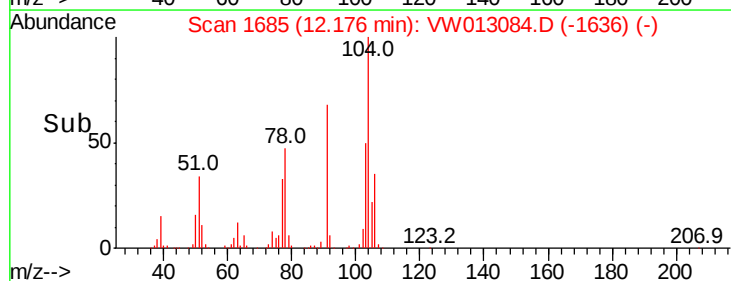
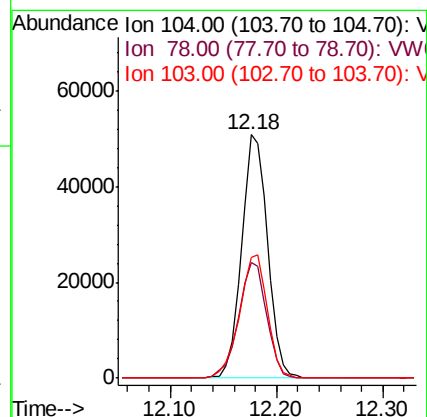
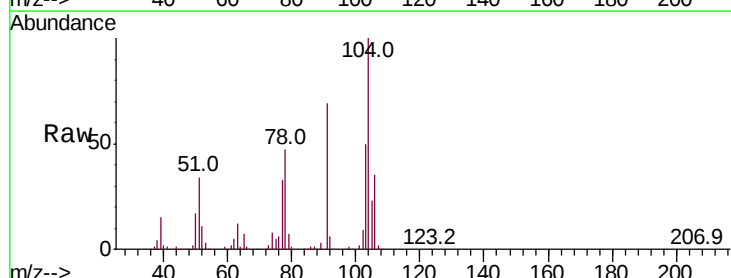
Instrument :
MSVOA_W
ClientSampled :

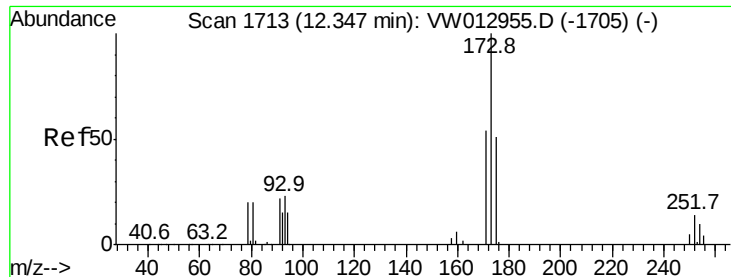
Tot Ion:106 Resp: 51378
Ion Ratio Lower Upper
106 100
91 217.5 109.7 329.0



#70
Styrene
Concen: 53.226 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW013084.D
Acq: 17 Sep 2019 12:37

Tgt Ion:104 Resp: 87269
Ion Ratio Lower Upper
104 100
78 51.3 42.1 63.1
103 54.3 44.2 66.4





#71

Bromoform

Concen: 56.458 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013084.D

Acq: 17 Sep 2019 12:37

Instrument :

MSVOA_W

ClientSampleId :

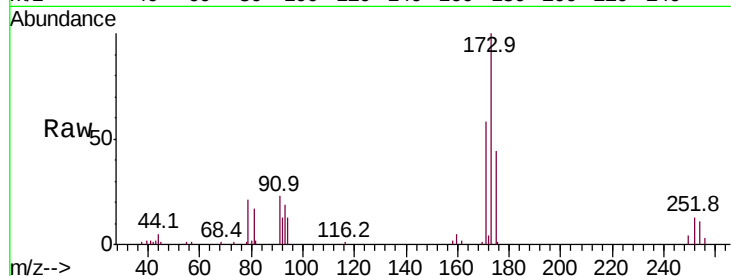
Tot Ion:173 Resp: 16560

Ion Ratio Lower Upper

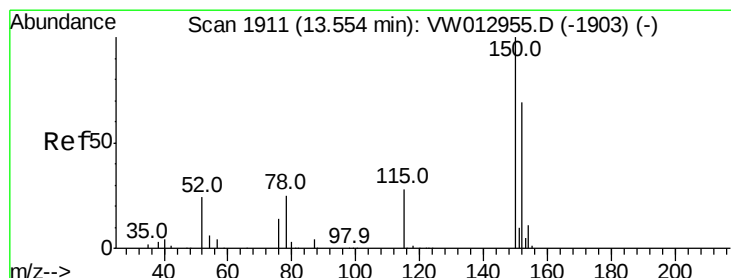
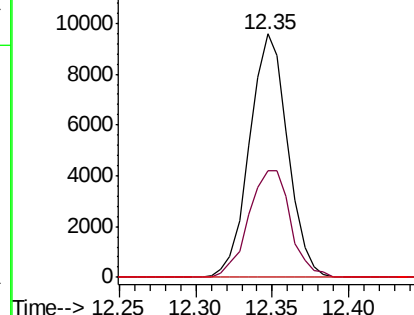
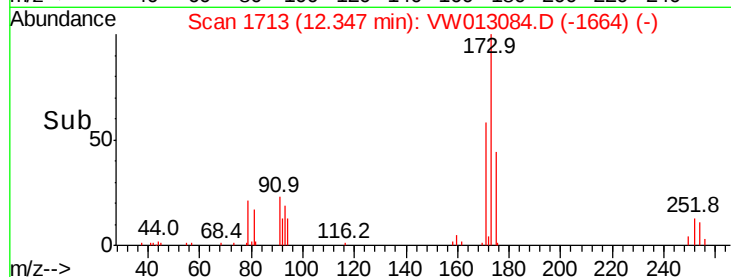
173 100

175 48.3 24.2 72.6

254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.00 min

Lab File: VW013084.D

Acq: 17 Sep 2019 12:37

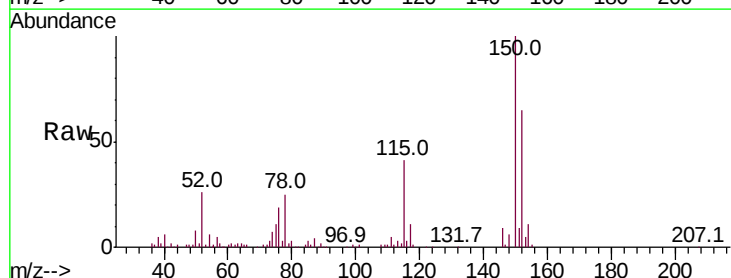
Tgt Ion:152 Resp: 40802

Ion Ratio Lower Upper

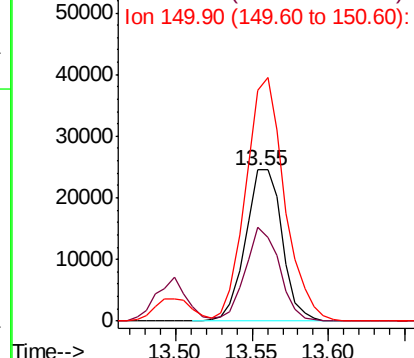
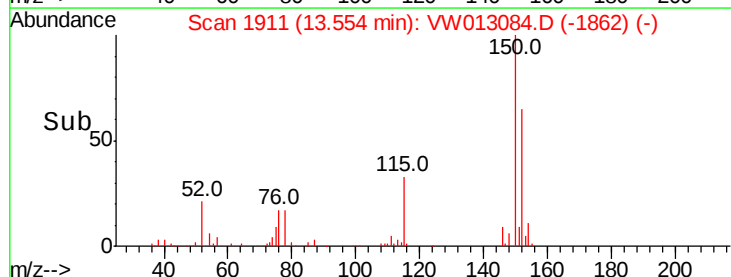
152 100

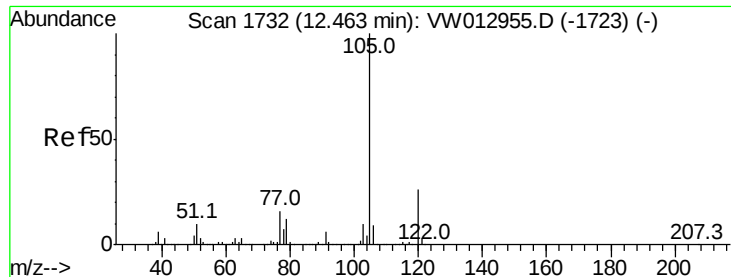
115 57.5 28.8 86.4

150 170.6 0.0 340.2



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

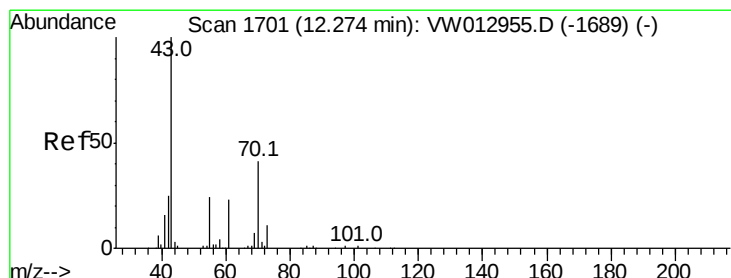
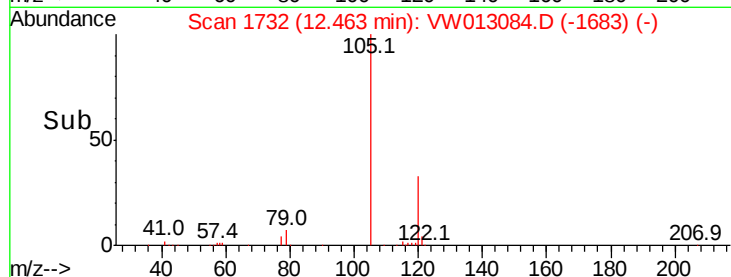
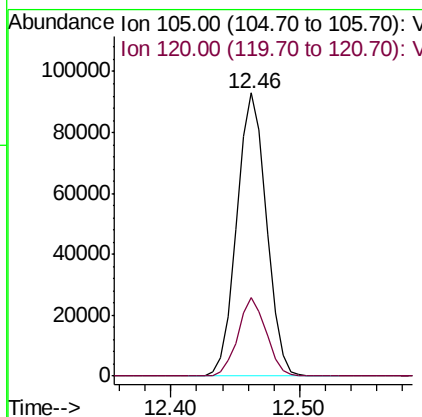
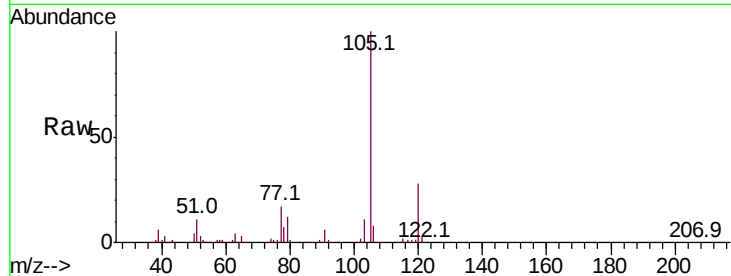




#73
Isopropylbenzene
Concen: 54.663 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW013084.D
Acq: 17 Sep 2019 12:37

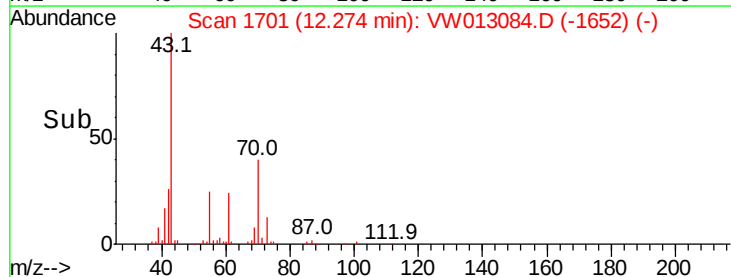
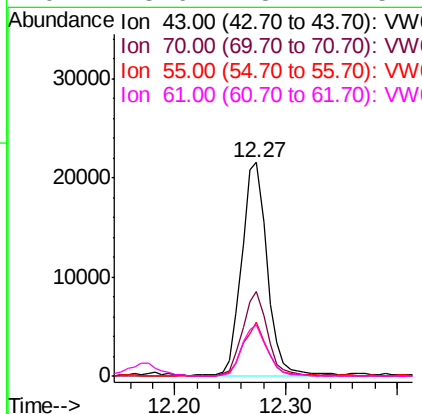
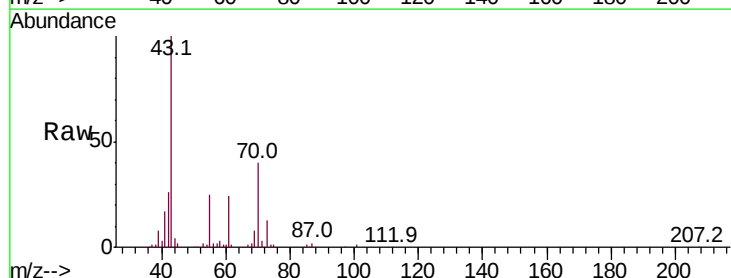
Instrument :
MSVOA_W
ClientSampled :

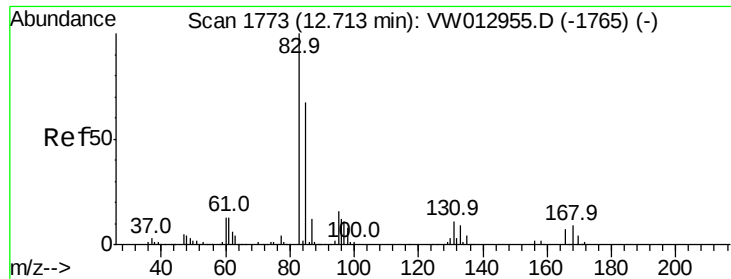
Tot Ion:105 Resp: 147835
Ion Ratio Lower Upper
105 100
120 26.4 13.0 39.0



#74
N-ethyl acetate
Concen: 49.044 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW013084.D
Acq: 17 Sep 2019 12:37

Tgt Ion: 43 Resp: 34120
Ion Ratio Lower Upper
43 100
70 38.6 31.7 47.5
55 24.5 19.4 29.2
61 23.6 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 58.496 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013084.D

Acq: 17 Sep 2019 12:37

Instrument :

MSVOA_W

ClientSampleId :

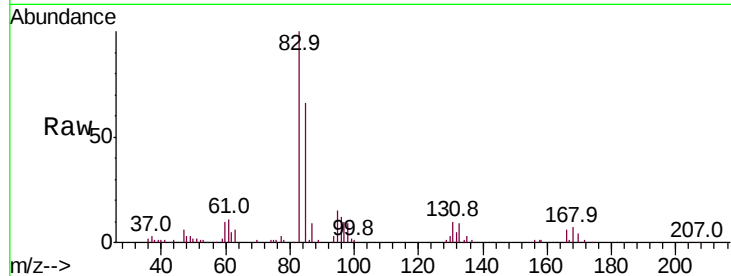
Tot Ion: 83 Resp: 27786

Ion Ratio Lower Upper

83 100

131 11.2 5.7 17.1

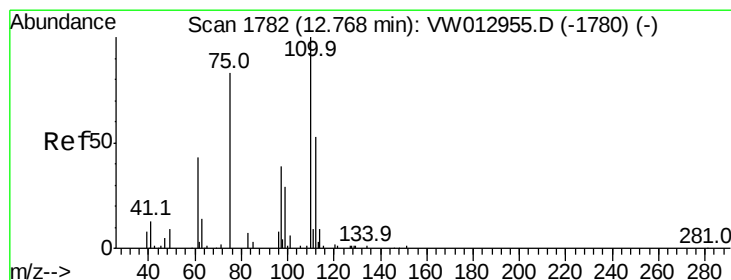
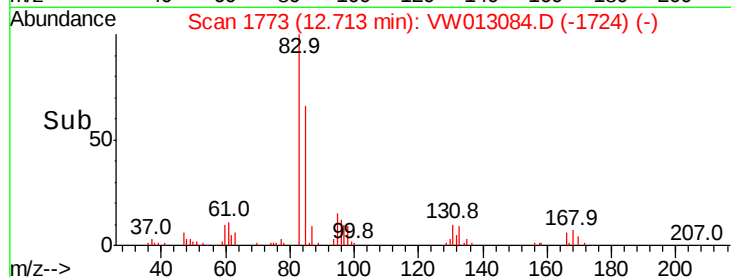
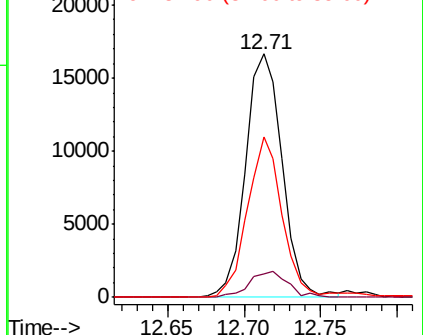
85 62.3 31.4 94.3



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 100.497 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW013084.D

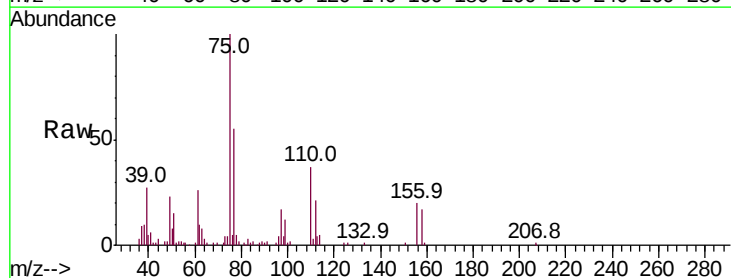
Acq: 17 Sep 2019 12:37

Tgt Ion: 75 Resp: 35917

Ion Ratio Lower Upper

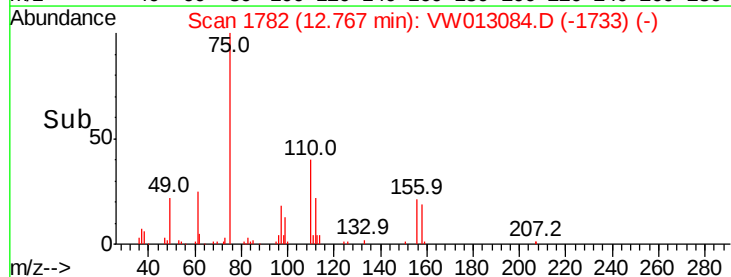
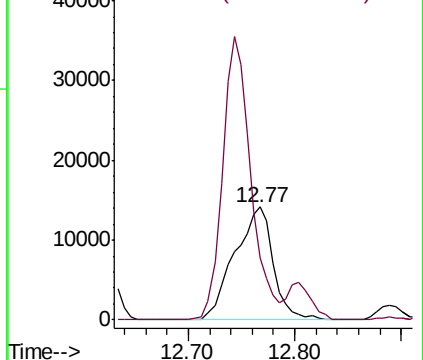
75 100

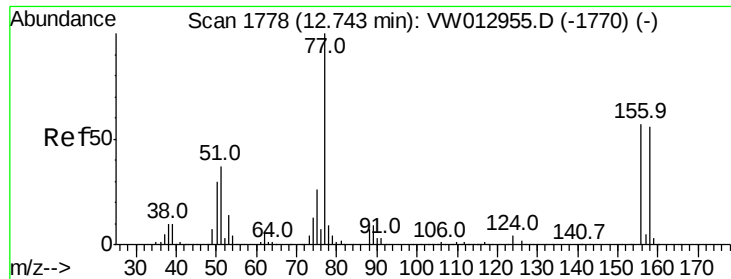
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 56.136 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013084.D

Acq: 17 Sep 2019 12:37

Instrument :

MSVOA_W

ClientSampleId :

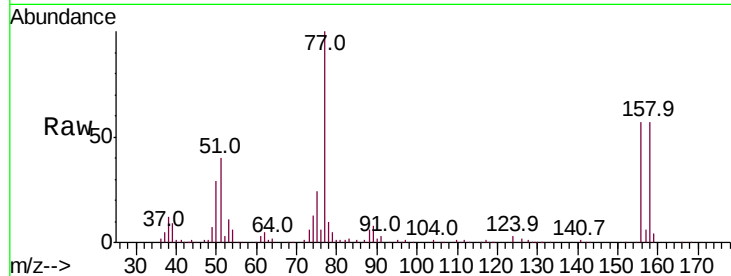
Tot Ion:156 Resp: 34975

Ion Ratio Lower Upper

156 100

77 187.9 95.2 285.6

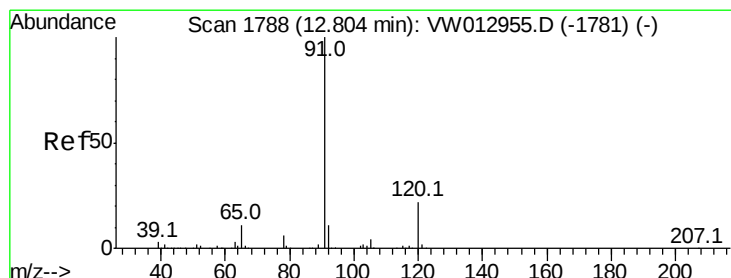
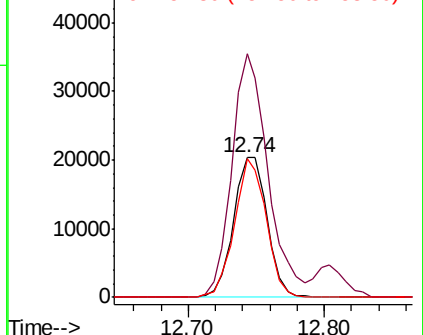
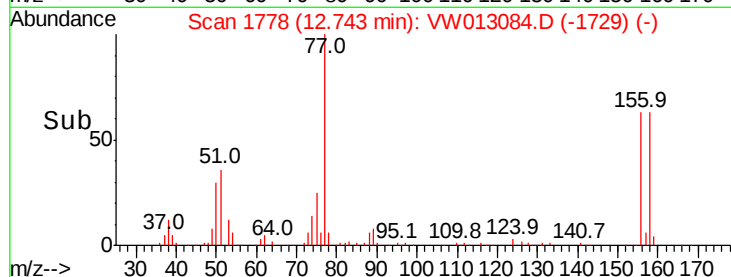
158 93.3 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 54.042 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013084.D

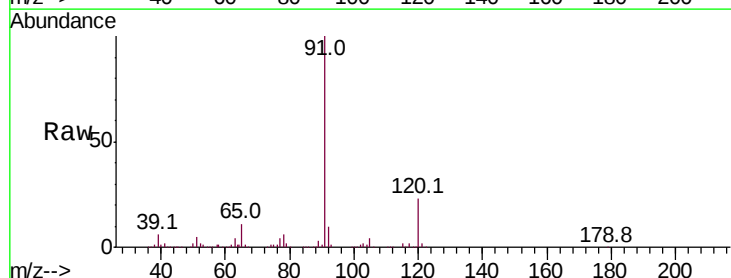
Acq: 17 Sep 2019 12:37

Tgt Ion: 91 Resp: 171921

Ion Ratio Lower Upper

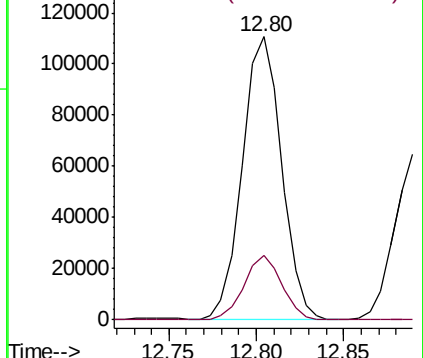
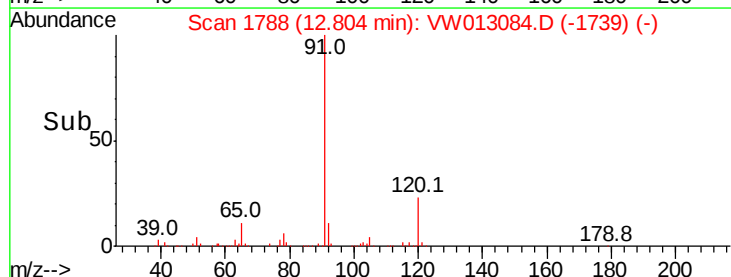
91 100

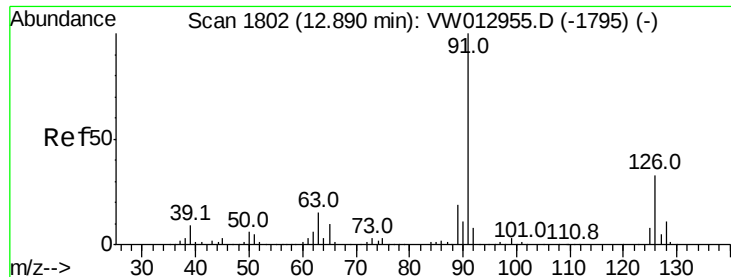
120 22.1 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

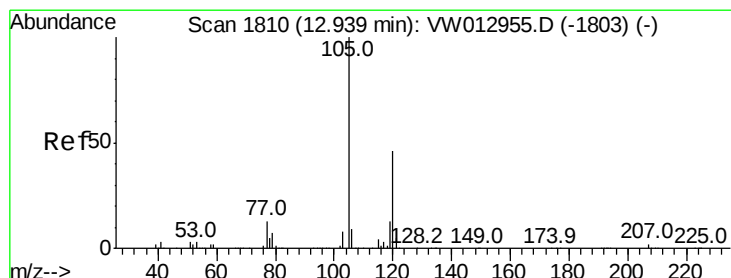
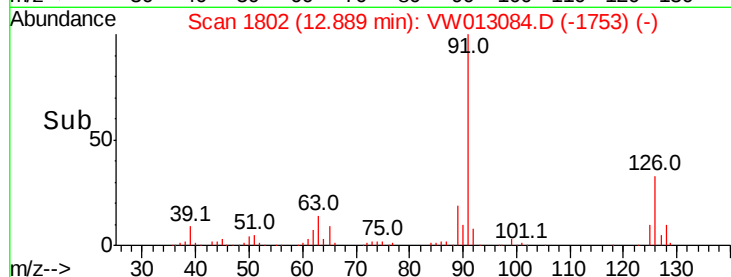
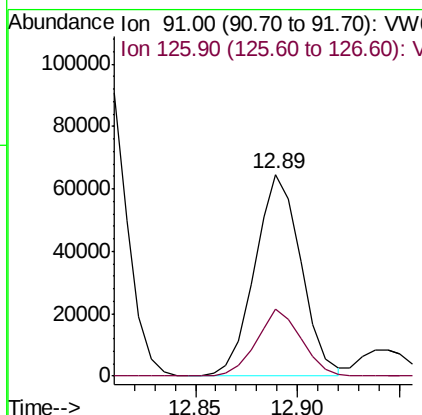
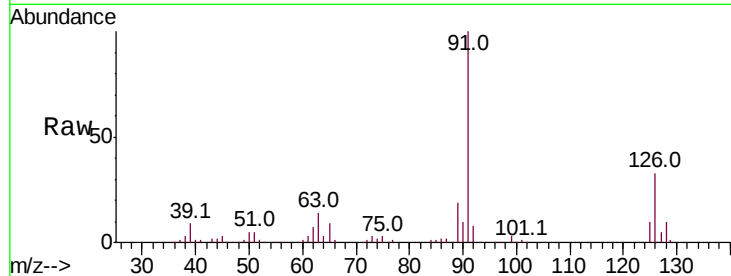




#79
 2-Chlorotoluene
 Concen: 55.389 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VW013084.D
 Acq: 17 Sep 2019 12:37

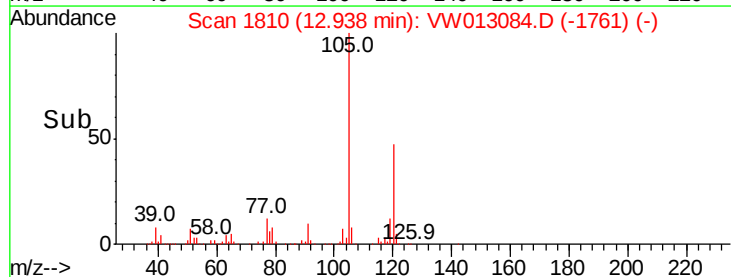
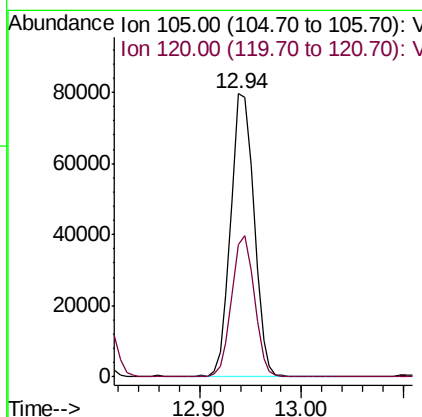
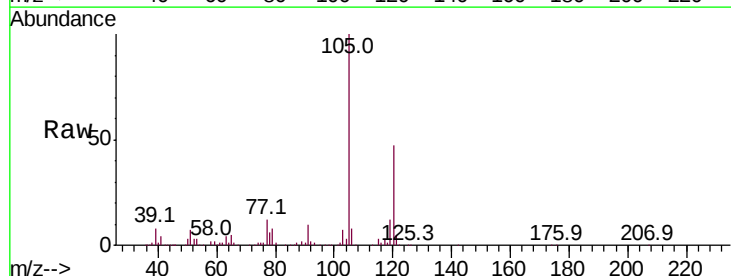
Instrument :
 MSVOA_W
 ClientSampleId :

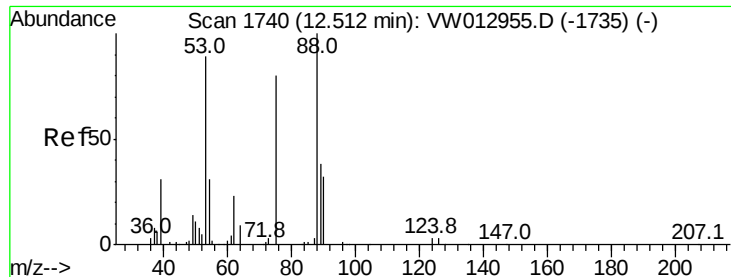
Tot Ion: 91 Resp: 101295
 Ion Ratio Lower Upper
 91 100
 126 32.4 16.5 49.5



#80
 1,3,5-Trimethylbenzene
 Concen: 55.107 ug/l
 RT: 12.94 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VW013084.D
 Acq: 17 Sep 2019 12:37

Tgt Ion:105 Resp: 126083
 Ion Ratio Lower Upper
 105 100
 120 48.5 24.2 72.6

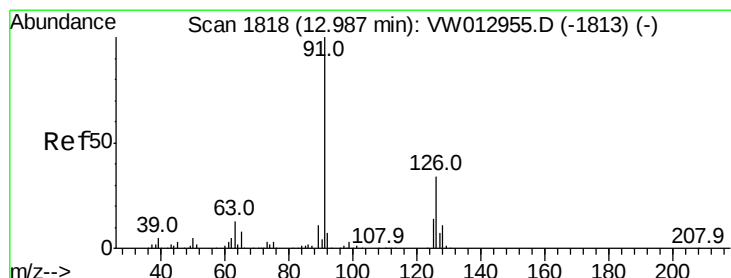
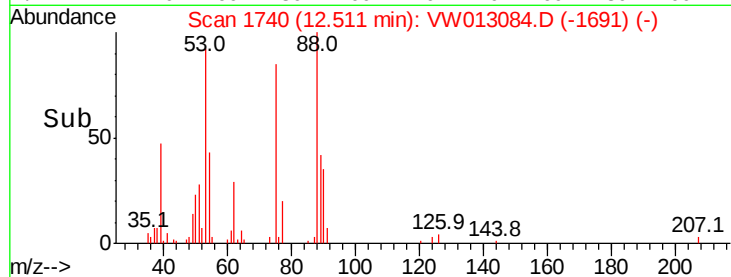
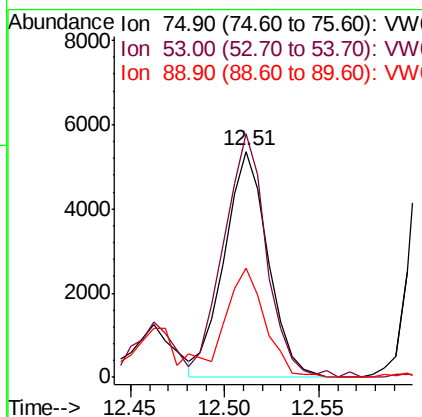
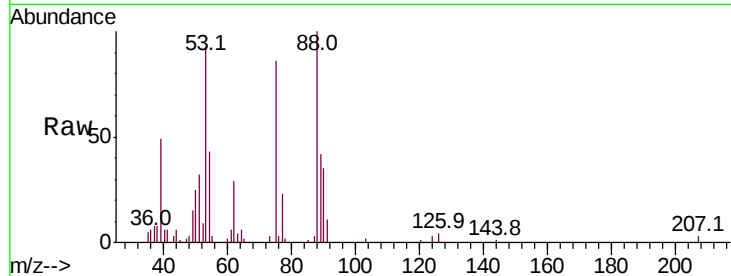




#81
trans-1,4-Dichloro-2-butene
Concen: 54.879 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW013084.D
Acq: 17 Sep 2019 12:37

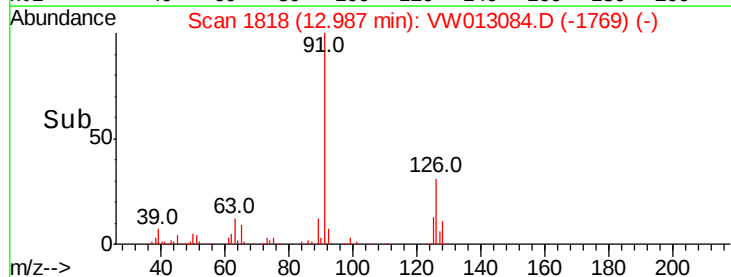
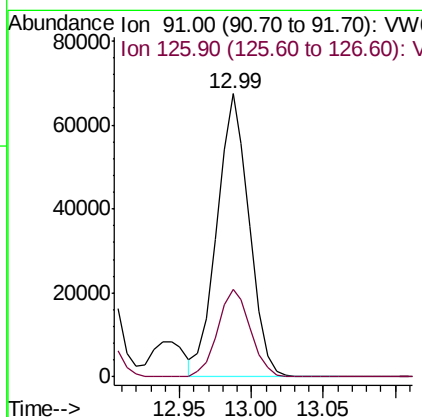
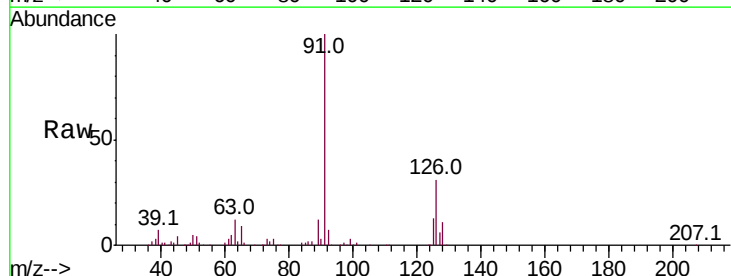
Instrument :
MSVOA_W
ClientSampleId :

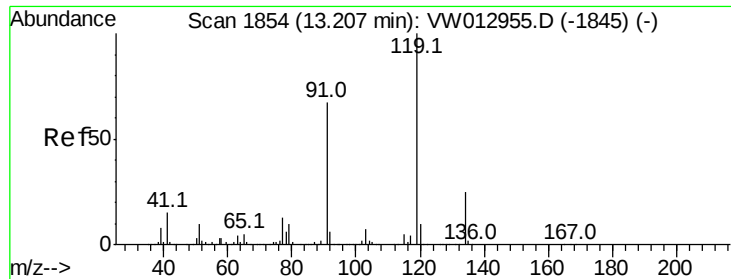
Tot Ion: 75 Resp: 8646
Ion Ratio Lower Upper
75 100
53 106.0 85.6 128.4
89 42.9 37.2 55.8



#82
4-Chlorotoluene
Concen: 54.426 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW013084.D
Acq: 17 Sep 2019 12:37

Tgt Ion: 91 Resp: 105017
Ion Ratio Lower Upper
91 100
126 31.6 16.1 48.3





#83

tert-Butylbenzene

Concen: 53.747 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VW013084.D

Acq: 17 Sep 2019 12:37

Instrument :

MSVOA_W

ClientSampleId :

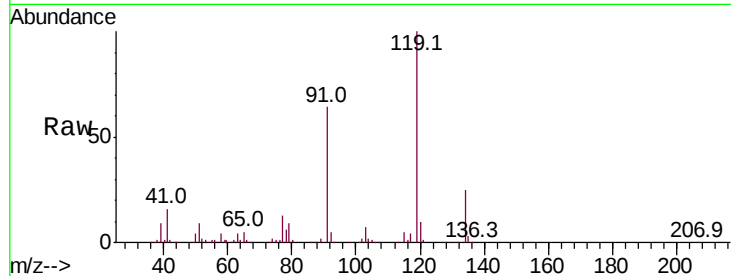
Tot Ion:119 Resp: 109995

Ion Ratio Lower Upper

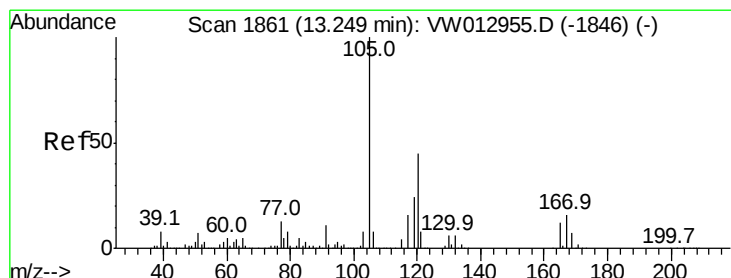
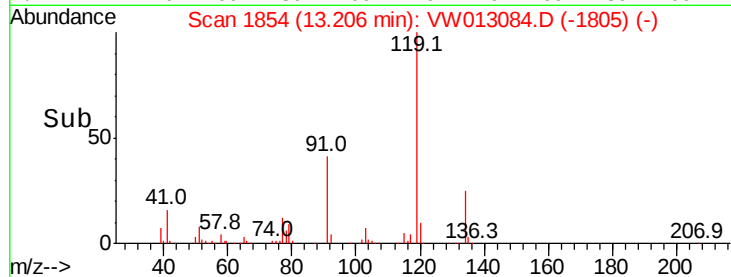
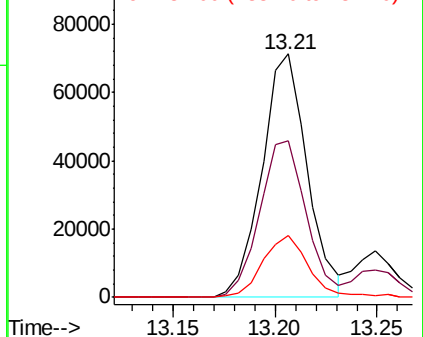
119 100

91 66.4 32.6 98.0

134 25.9 12.4 37.4



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 54.768 ug/l

RT: 13.25 min Scan# 1861

Delta R.T. -0.00 min

Lab File: VW013084.D

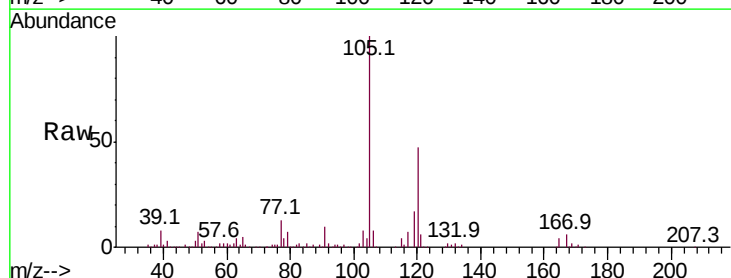
Acq: 17 Sep 2019 12:37

Tgt Ion:105 Resp: 123825

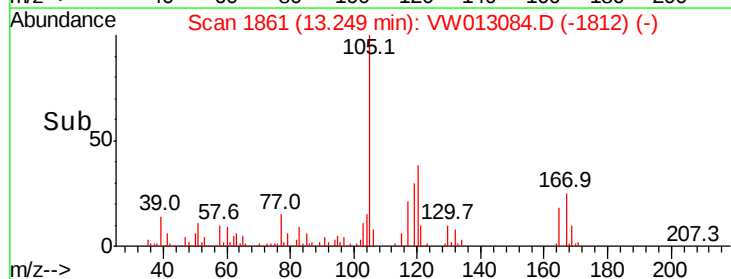
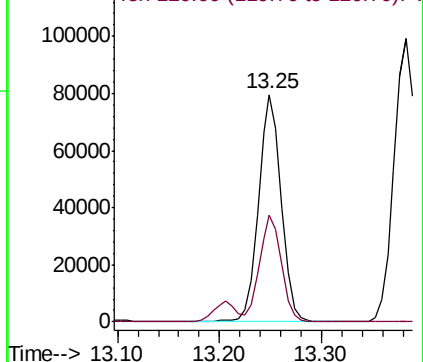
Ion Ratio Lower Upper

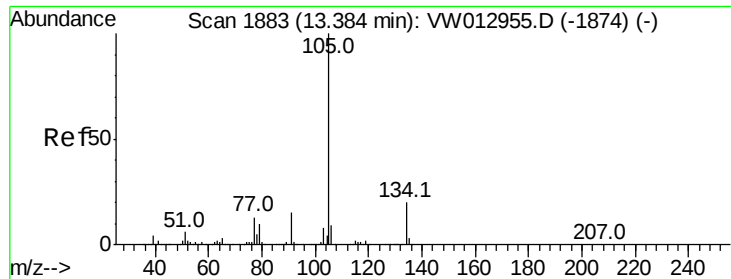
105 100

120 44.9 21.9 65.7



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 54.684 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW013084.D

Acq: 17 Sep 2019 12:37

Instrument :

MSVOA_W

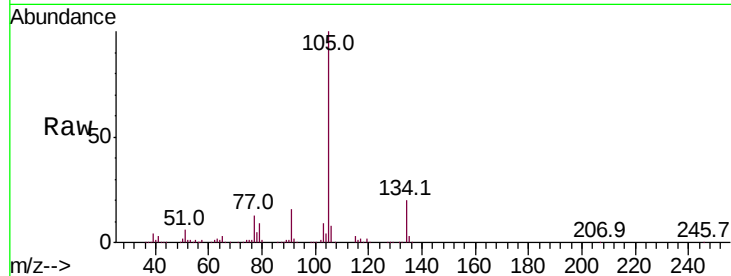
ClientSampled :

Tot Ion:105 Resp: 152473

Ion Ratio Lower Upper

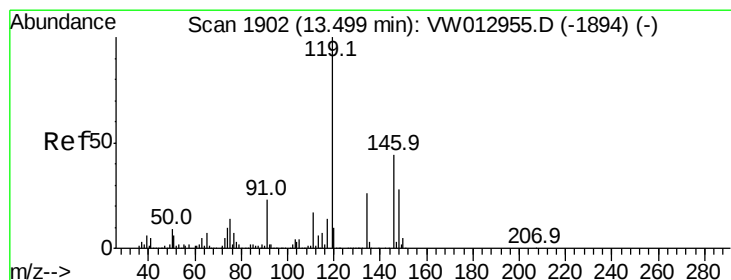
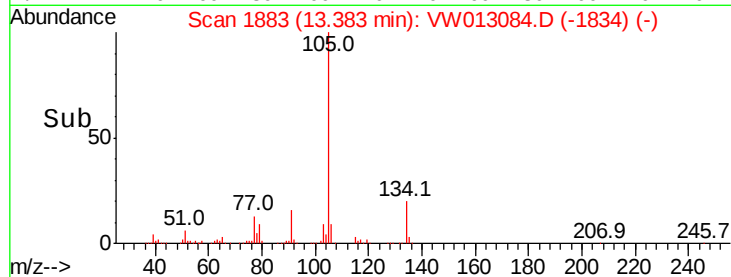
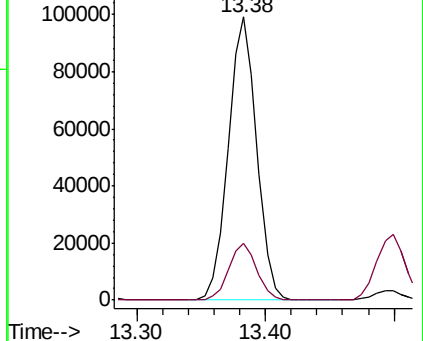
105 100

134 19.8 10.2 30.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 53.335 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW013084.D

Acq: 17 Sep 2019 12:37

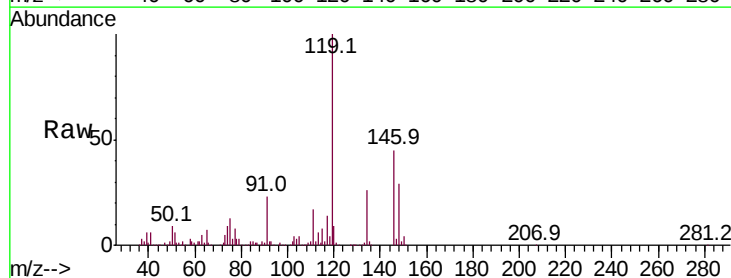
Tgt Ion:119 Resp: 136535

Ion Ratio Lower Upper

119 100

134 25.7 12.8 38.3

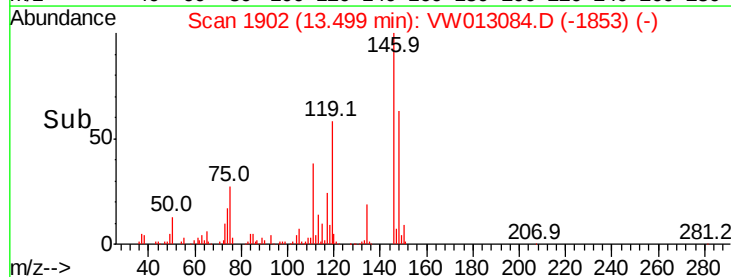
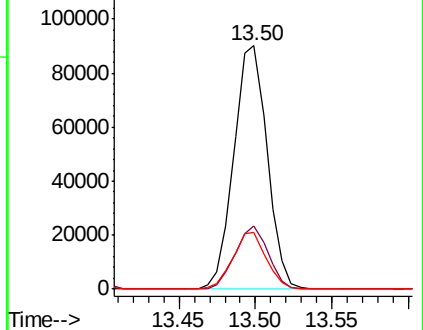
91 23.4 11.8 35.4

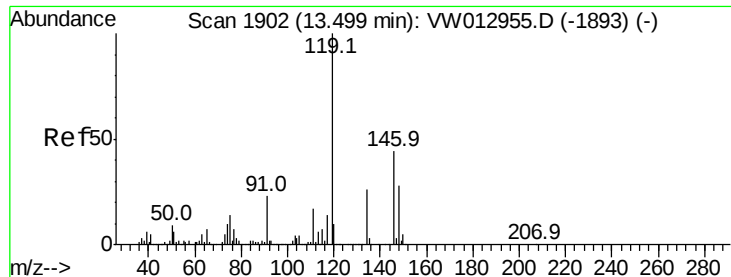


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

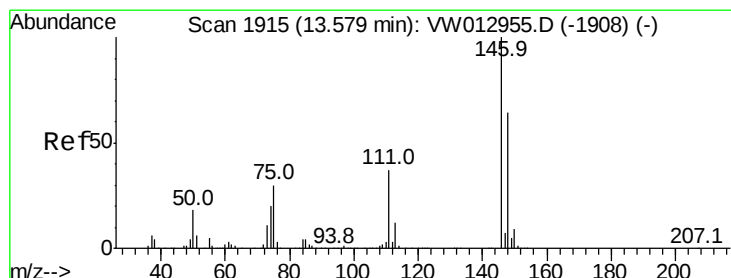
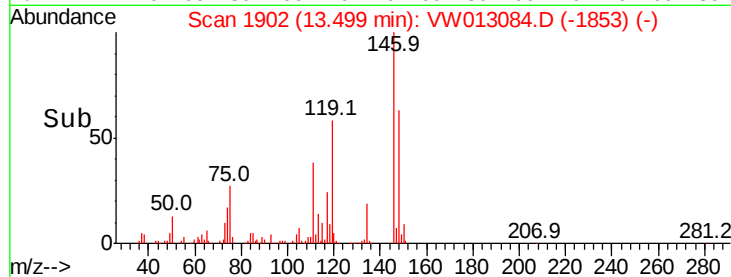
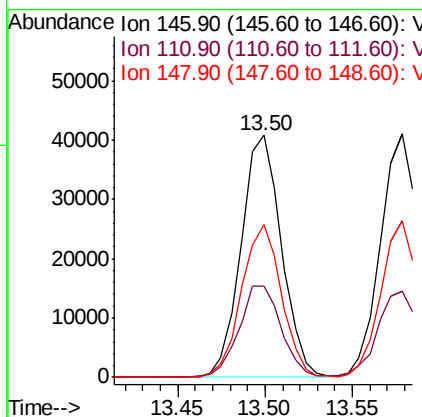
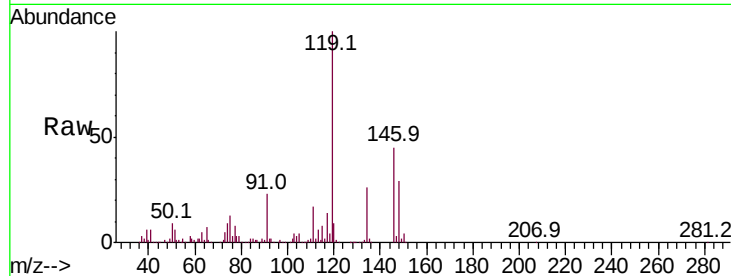




#87
 1,3-Dichlorobenzene
 Concen: 52.960 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013084.D
 Acq: 17 Sep 2019 12:37

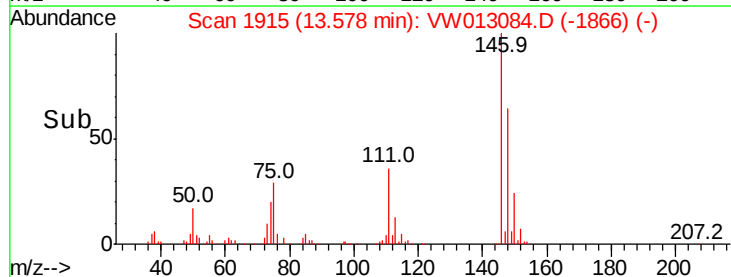
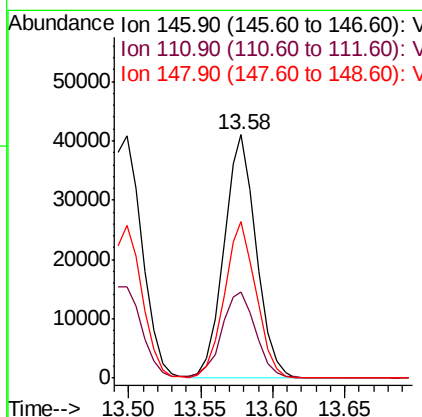
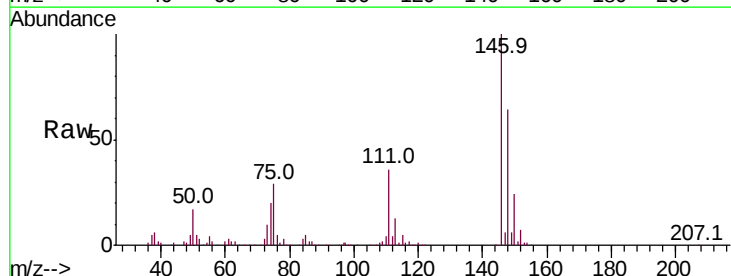
Instrument :
 MSVOA_W
 ClientSampleId :

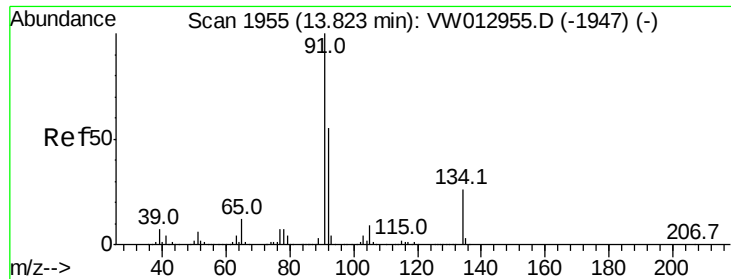
Tot Ion:146 Resp: 65319
 Ion Ratio Lower Upper
 146 100
 111 39.8 19.8 59.4
 148 62.9 31.9 95.7



#88
 1,4-Dichlorobenzene
 Concen: 52.903 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013084.D
 Acq: 17 Sep 2019 12:37

Tgt Ion:146 Resp: 64120
 Ion Ratio Lower Upper
 146 100
 111 37.7 19.4 58.2
 148 63.4 31.9 95.5

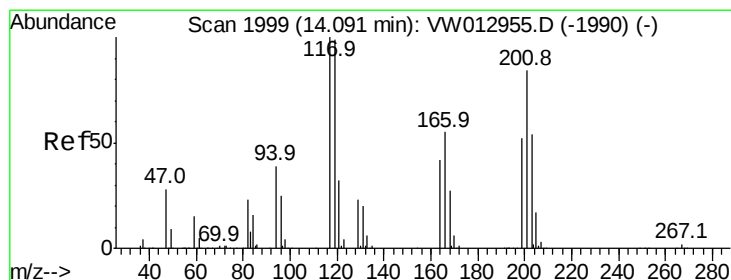
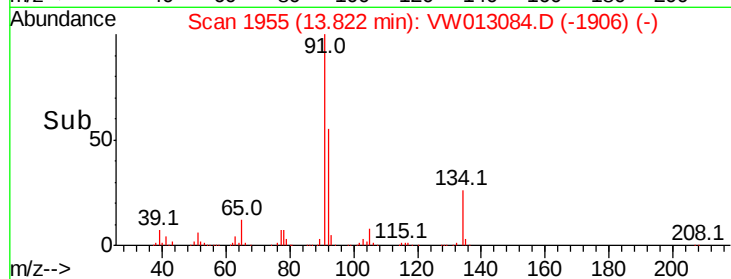
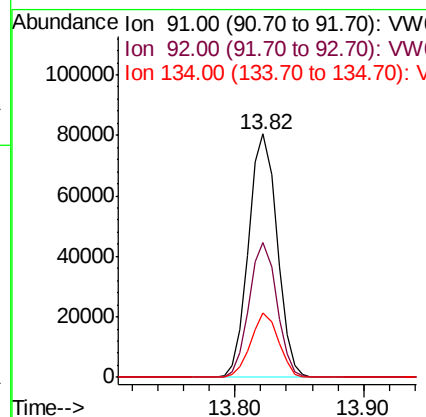
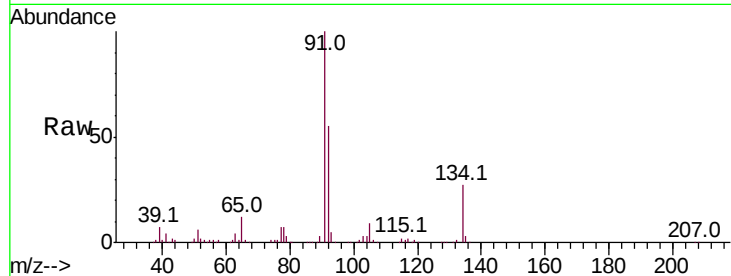




#89
n-Butylbenzene
Concen: 50.899 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW013084.D
Acq: 17 Sep 2019 12:37

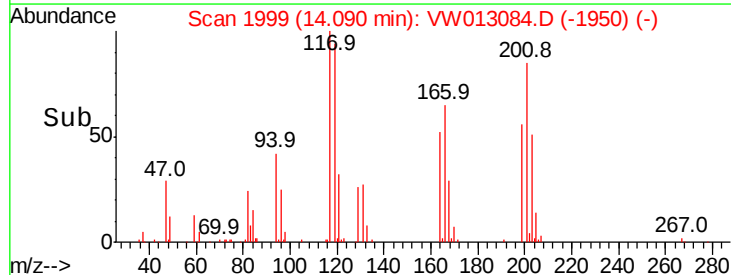
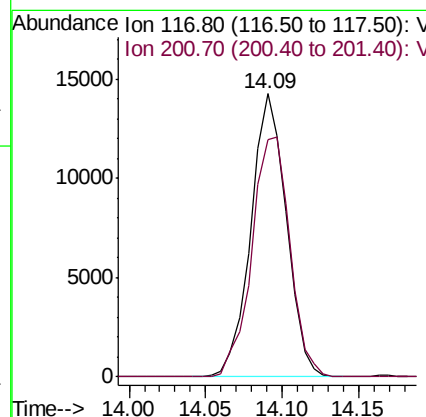
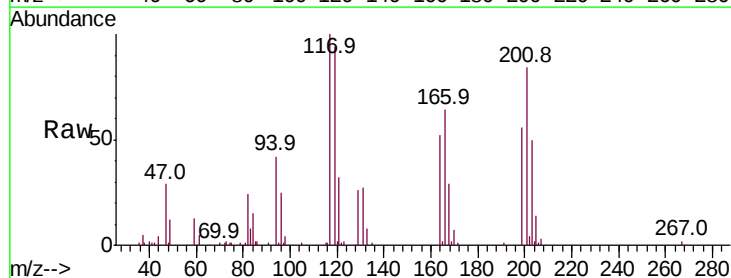
Instrument :
MSVOA_W
ClientSampleId :

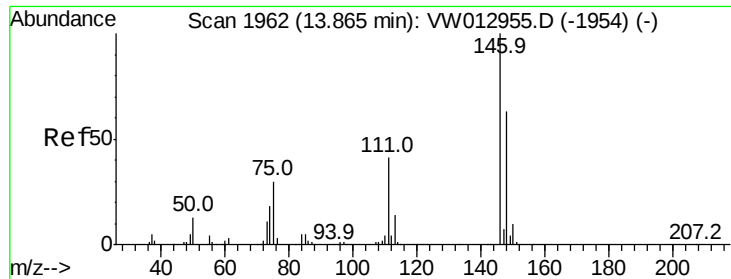
Tot Ion: 91 Resp: 122883
Ion Ratio Lower Upper
91 100
92 53.9 27.2 81.5
134 25.8 13.1 39.1



#90
Hexachloroethane
Concen: 50.195 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW013084.D
Acq: 17 Sep 2019 12:37

Tgt Ion: 117 Resp: 23027
Ion Ratio Lower Upper
117 100
201 91.1 45.3 135.9





#91

1,2-Dichlorobenzene

Concen: 54.299 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.01 min

Lab File: VW013084.D

Acq: 17 Sep 2019 12:37

Instrument :

MSVOA_W

ClientSampled :

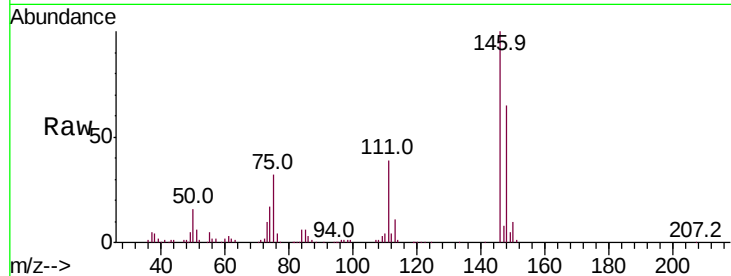
Tot Ion:146 Resp: 58894

Ion Ratio Lower Upper

146 100

111 40.5 20.8 62.5

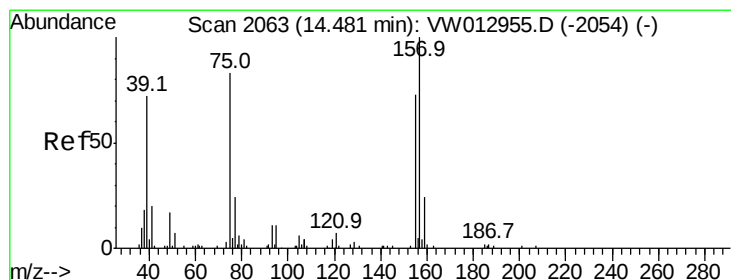
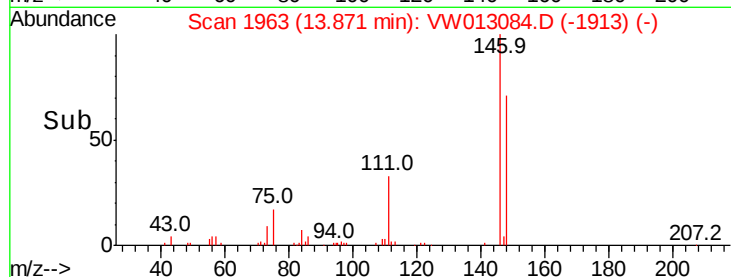
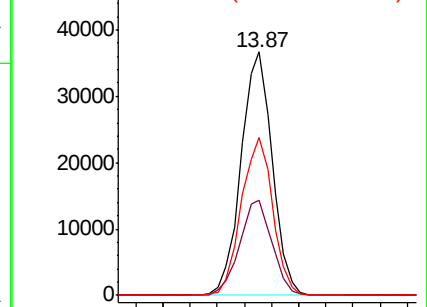
148 65.1 32.7 98.1



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 51.917 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.01 min

Lab File: VW013084.D

Acq: 17 Sep 2019 12:37

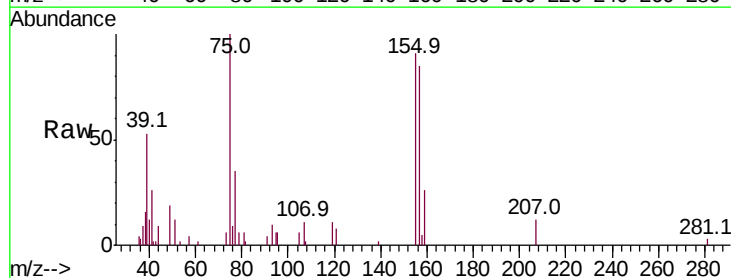
Tgt Ion: 75 Resp: 4514

Ion Ratio Lower Upper

75 100

155 85.0 43.3 129.9

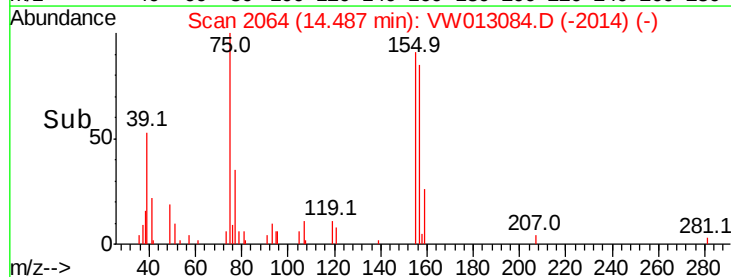
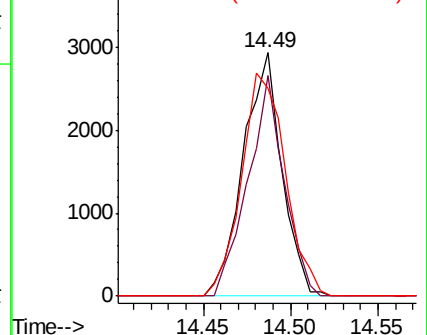
157 104.6 54.7 164.1

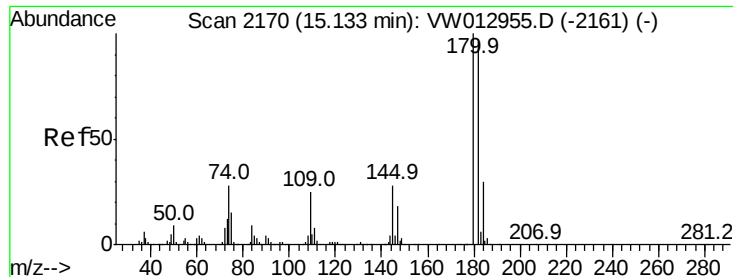


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 39.742 ug/l

RT: 15.13 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VW013084.D

Acq: 17 Sep 2019 12:37

Instrument :

MSVOA_W

ClientSampleId :

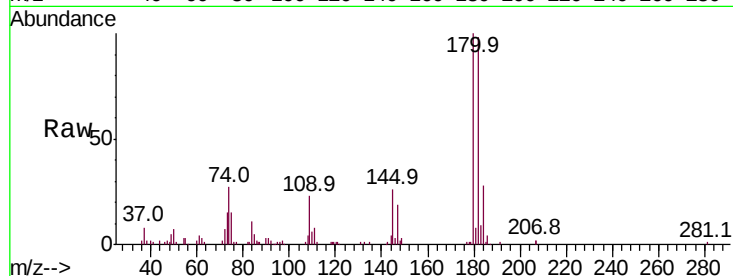
Tot Ion:180 Resp: 30741

Ion Ratio Lower Upper

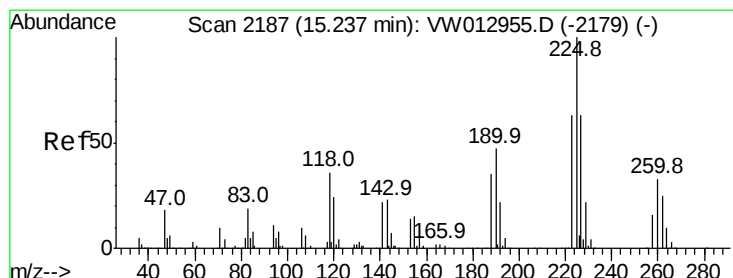
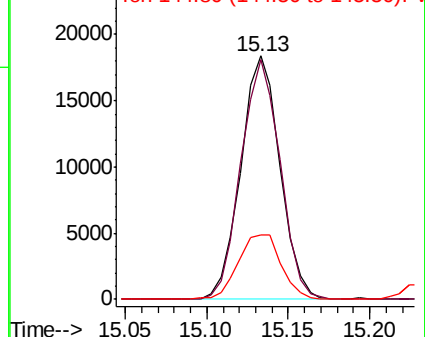
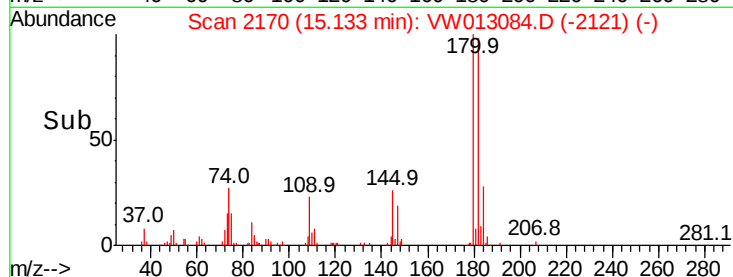
180 100

182 98.3 47.4 142.2

145 29.2 14.9 44.7



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: 43.102 ug/l

RT: 15.24 min Scan# 2187

Delta R.T. -0.00 min

Lab File: VW013084.D

Acq: 17 Sep 2019 12:37

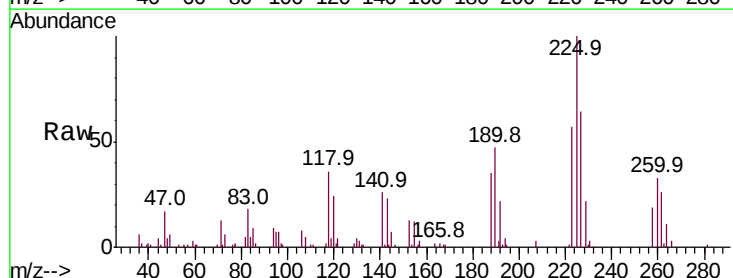
Tgt Ion:225 Resp: 23602

Ion Ratio Lower Upper

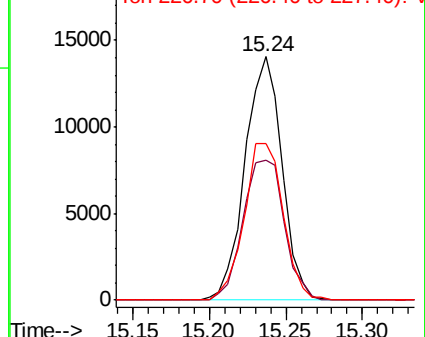
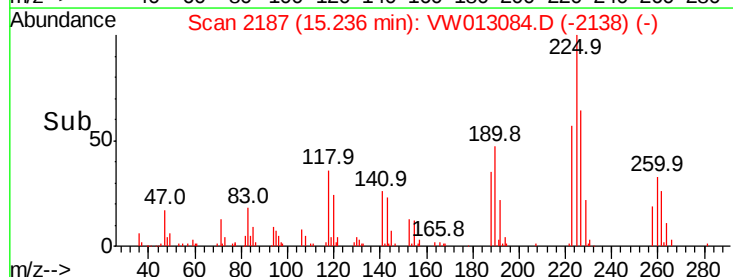
225 100

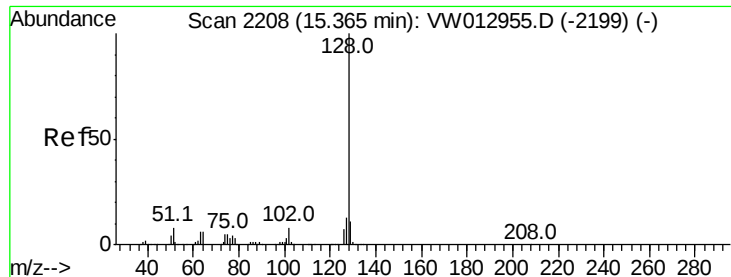
223 64.5 31.8 95.3

227 68.1 31.3 93.8



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

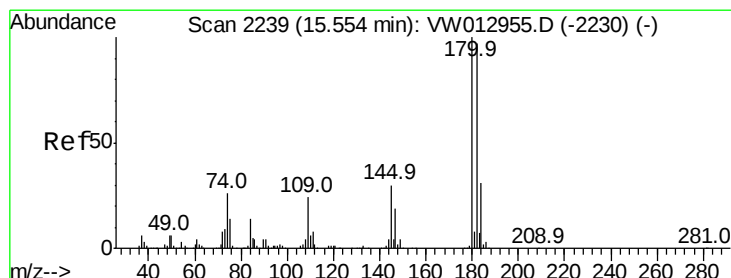
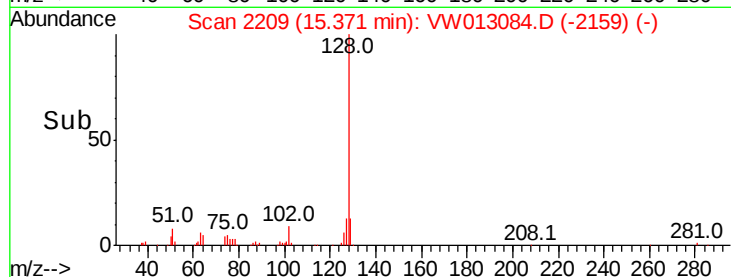
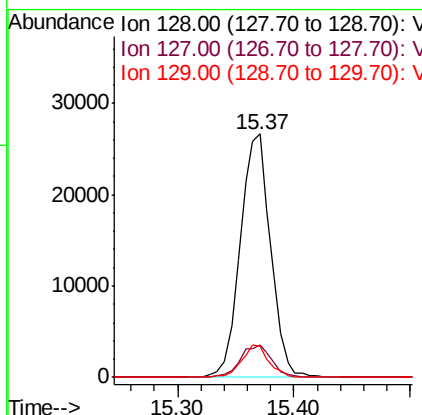
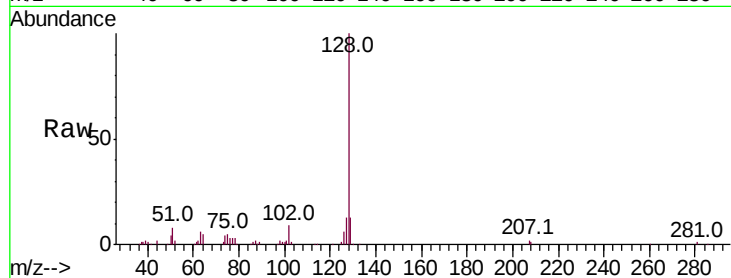




#95
Naphthalene
Concen: 37.385 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW013084.D
Acq: 17 Sep 2019 12:37

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 48318
Ion Ratio Lower Upper
128 100
127 13.9 11.0 16.6
129 11.9 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 40.975 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013084.D
Acq: 17 Sep 2019 12:37

Tgt Ion:180 Resp: 28018
Ion Ratio Lower Upper
180 100
182 92.1 47.6 142.8
145 30.6 15.4 46.2

