

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091419\
 Data File : VW012952.D
 Acq On : 13 Sep 2019 14:05
 Operator : SY/VA
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 13 17:02:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 13 16:59:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	283947	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	416515	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	360021	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	180953	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	13785	5.26	ug/l	0.00
Spiked Amount			Recovery	=	10.52%	
35) Dibromofluoromethane	7.88	113	11940	5.28	ug/l	0.00
Spiked Amount			Recovery	=	10.56%	
50) Toluene-d8	10.32	98	45535	5.15	ug/l	0.00
Spiked Amount			Recovery	=	10.30%	
62) 4-Bromofluorobenzene	12.62	95	17461	5.49	ug/l	0.00
Spiked Amount			Recovery	=	10.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	6457	5.319	ug/l	91
3) Chloromethane	2.21	50	8267	5.325	ug/l	96
4) Vinyl Chloride	2.36	62	9877	4.860	ug/l	96
5) Bromomethane	2.78	94	6855	5.523	ug/l	82
6) Chloroethane	2.92	64	5931	4.758	ug/l	99
7) Trichlorofluoromethane	3.26	101	6620	4.658	ug/l	96
8) Diethyl Ether	3.68	74	5542	4.994	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.06	101	11676	5.417	ug/l	98
10) Methyl Iodide	4.27	142	12461	4.619	ug/l	98
11) Tert butyl alcohol	5.15	59	6832	33.239	ug/l #	92
12) 1,1-Dichloroethene	4.03	96	9846	5.024	ug/l	96
13) Acrolein	3.88	56	3360	17.467	ug/l	92
14) Allyl chloride	4.65	41	17902	4.811	ug/l	99
15) Acrylonitrile	5.36	53	13735	24.232	ug/l	94
16) Acetone	4.12	43	18750	30.098	ug/l	100
17) Carbon Disulfide	4.37	76	17284	4.425	ug/l	96
18) Methyl Acetate	4.66	43	9147	6.122	ug/l #	74
19) Methyl tert-butyl Ether	5.42	73	19195	4.961	ug/l	92
20) Methylene Chloride	4.92	84	15808	6.413	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	10889	5.187	ug/l	94
22) Diisopropyl ether	6.31	45	38296	4.954	ug/l	98
23) Vinyl Acetate	6.25	43	105196	22.722	ug/l	98
24) 1,1-Dichloroethane	6.21	63	22981	5.156	ug/l	95
25) 2-Butanone	7.17	43	21768	26.105	ug/l	94
26) 2,2-Dichloropropane	7.16	77	18840	5.962	ug/l	93
27) cis-1,2-Dichloroethene	7.17	96	12691	5.050	ug/l	91
28) Bromochloromethane	7.51	49	9841	5.246	ug/l #	97
29) Tetrahydrofuran	7.53	42	11263	23.705	ug/l	96
30) Chloroform	7.68	83	24304	5.367	ug/l	91
31) Cyclohexane	7.95	56	23385	6.158	ug/l #	83
32) 1,1,1-Trichloroethane	7.87	97	19220	5.154	ug/l	94
36) 1,1-Dichloropropene	8.08	75	16934	5.088	ug/l	96
37) Ethyl Acetate	7.26	43	9019	5.105	ug/l	99
38) Carbon Tetrachloride	8.06	117	17049	4.999	ug/l	95

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 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 13 17:02:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

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

39) Methylcyclohexane	9.34	83	17535	4.808	ug/l	98
40) Benzene	8.32	78	46474	5.002	ug/l	96
41) Methacrylonitrile	7.48	41	5822	5.004	ug/l #	86
42) 1,2-Dichloroethane	8.40	62	16019	5.143	ug/l	100
43) Isopropyl Acetate	8.42	43	16371	4.826	ug/l	99
44) Trichloroethene	9.09	130	12930	5.080	ug/l	89
45) 1,2-Dichloropropane	9.37	63	12526	5.074	ug/l	97
46) Dibromomethane	9.46	93	5869	4.962	ug/l	97
47) Bromodichloromethane	9.64	83	16027	4.831	ug/l	93
48) Methyl methacrylate	9.43	41	7224	4.538	ug/l	99
49) 1,4-Dioxane	9.44	88	2075	104.704	ug/l #	61
51) 4-Methyl-2-Pentanone	10.21	43	41723	23.825	ug/l	99
52) Toluene	10.38	92	29133	4.934	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	15901	4.766	ug/l	90
54) cis-1,3-Dichloropropene	10.07	75	17919	4.694	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	9125	5.065	ug/l	97
56) Ethyl methacrylate	10.65	69	10760	4.437	ug/l #	94
57) 1,3-Dichloropropane	10.93	76	16090	5.034	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	30696	23.595	ug/l	96
59) 2-Hexanone	10.97	43	28367	23.263	ug/l	100
60) Dibromochloromethane	11.13	129	10792	4.954	ug/l	95
61) 1,2-Dibromoethane	11.23	107	7942	4.832	ug/l	92
64) Tetrachloroethene	10.86	164	11131	5.197	ug/l	93
65) Chlorobenzene	11.66	112	34575	5.392	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	12842	5.226	ug/l	96
67) Ethyl Benzene	11.73	91	59373	5.013	ug/l	100
68) m/p-Xylenes	11.84	106	42295	9.775	ug/l	97
69) o-Xylene	12.16	106	20226	4.986	ug/l	98
70) Styrene	12.18	104	34980	4.848	ug/l	99
71) Bromoform	12.35	173	6157	4.770	ug/l #	99
73) Isopropylbenzene	12.46	105	58857	4.907	ug/l	100
74) N-amyl acetate	12.27	43	14542	4.713	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	10639	5.050	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	14396	9.429	ug/l #	100
77) Bromobenzene	12.74	156	14456	5.232	ug/l	97
78) n-propylbenzene	12.80	91	70465	4.994	ug/l	99
79) 2-Chlorotoluene	12.89	91	41419	5.107	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	51876	5.112	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	3366	4.817	ug/l	97
82) 4-Chlorotoluene	12.99	91	44859	5.242	ug/l	99
83) tert-Butylbenzene	13.21	119	46863	5.163	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	50742	5.061	ug/l	99
85) sec-Butylbenzene	13.38	105	63693	5.151	ug/l	99
86) p-Isopropyltoluene	13.50	119	58000	5.109	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	29851	5.457	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	29208	5.434	ug/l	92
89) n-Butylbenzene	13.82	91	54016	5.045	ug/l	99
90) Hexachloroethane	14.09	117	10694	5.256	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	25940	5.393	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.48	75	2012	5.218	ug/l	94

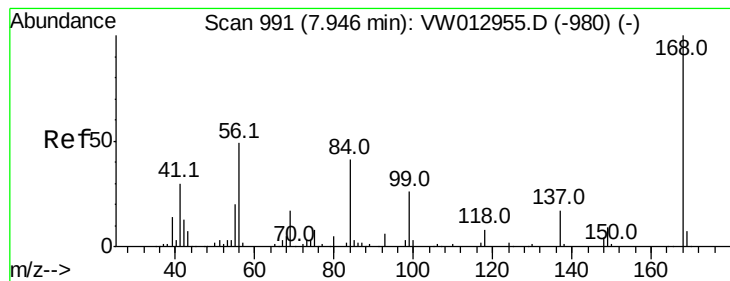
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW091419\
Data File : VW012952.D
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Instrument :
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ClientSampleId :

Quant Time: Sep 13 17:02:00 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 13 16:59:20 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	16913	4.930	ug/l	96
94) Hexachlorobutadiene	15.23	225	13397	5.517	ug/l	96
95) Naphthalene	15.36	128	24447	4.265	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	15461	5.098	ug/l	98

(#) = 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: VW012952.D

Acq: 13 Sep 2019 14:05

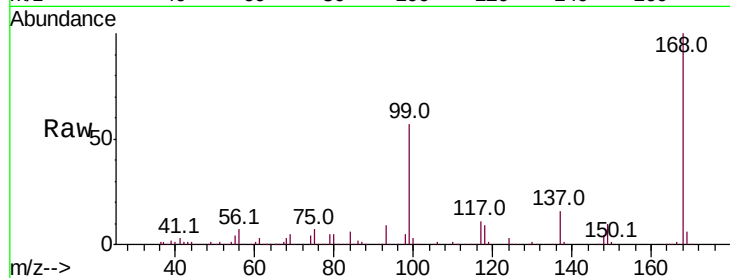
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 283947

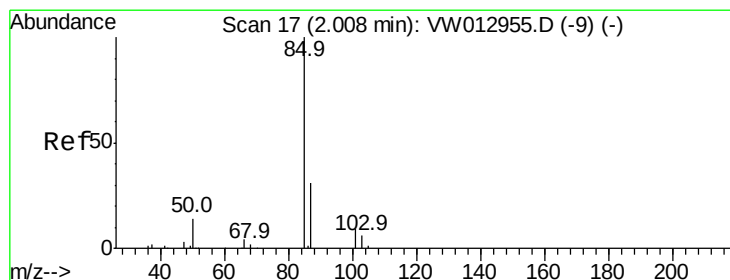
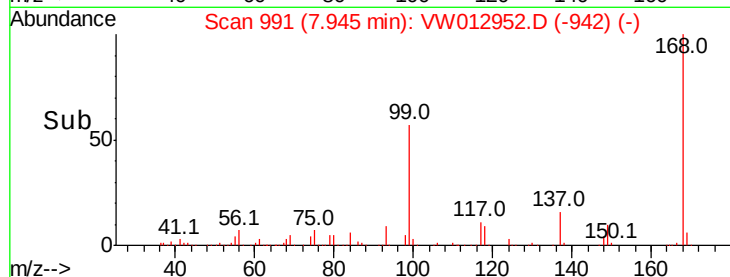
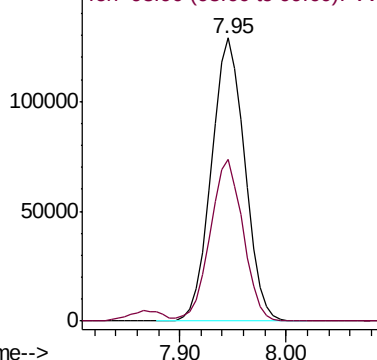
Ion Ratio Lower Upper

168 100

99 56.9 46.2 69.2



Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 5.319 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012952.D

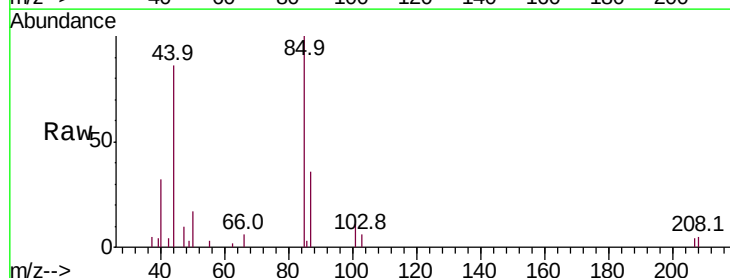
Acq: 13 Sep 2019 14:05

Tgt Ion: 85 Resp: 6457

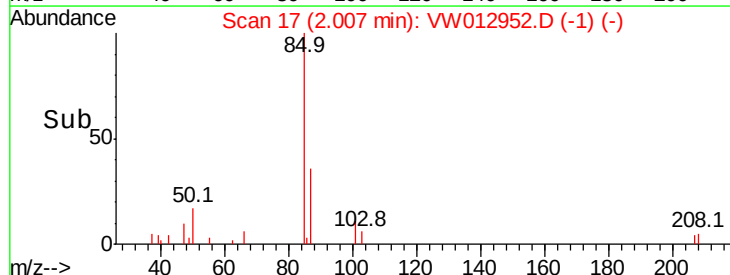
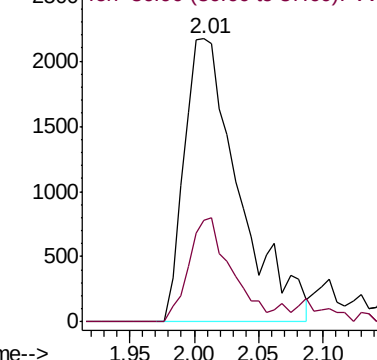
Ion Ratio Lower Upper

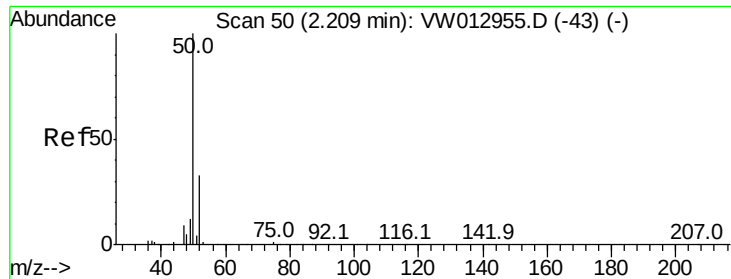
85 100

87 36.0 15.4 46.4



Abundance Ion 84.90 (84.60 to 85.60): VW
Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 5.325 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW012952.D

Acq: 13 Sep 2019 14:05

Instrument :

MSVOA_W

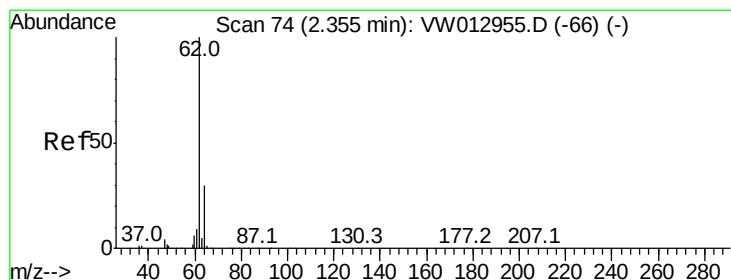
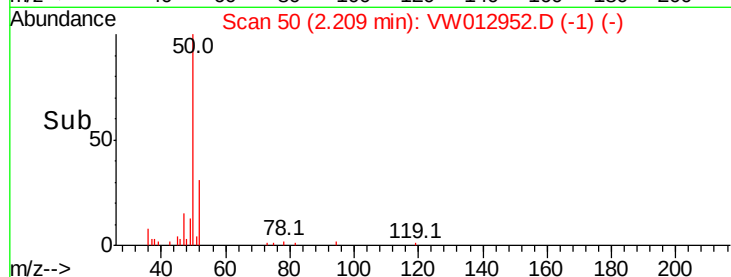
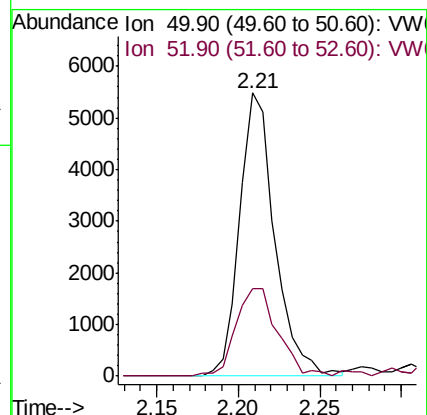
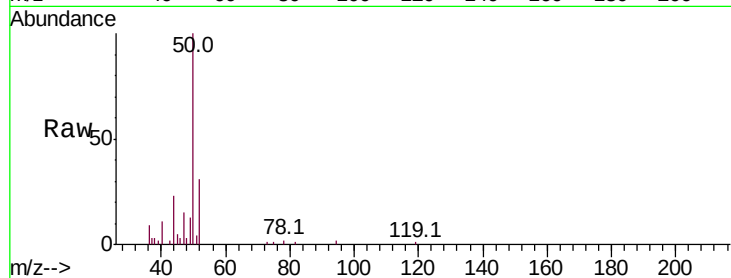
ClientSampleId :

Tot Ion: 50 Resp: 8267

Ion Ratio Lower Upper

50 100

52 31.1 26.6 39.8



#4

Vinyl Chloride

Concen: 4.860 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.01 min

Lab File: VW012952.D

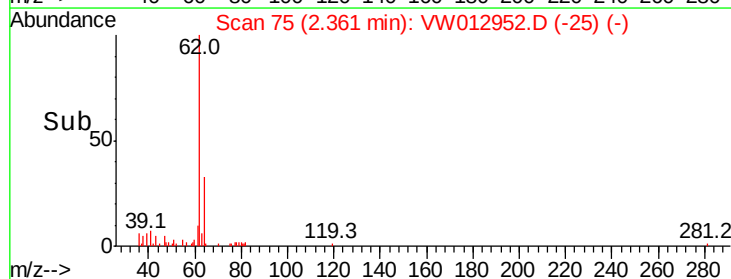
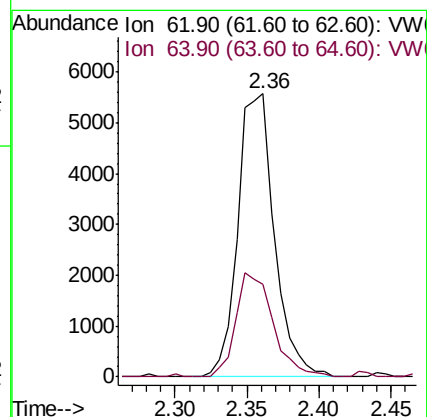
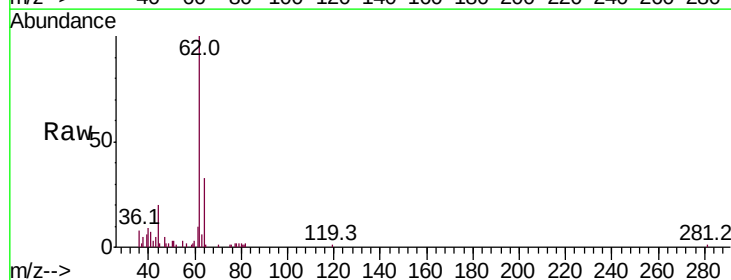
Acq: 13 Sep 2019 14:05

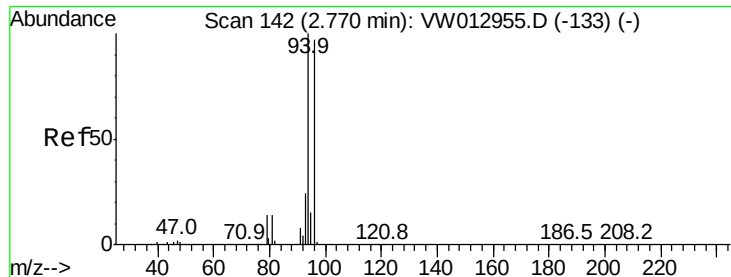
Tgt Ion: 62 Resp: 9877

Ion Ratio Lower Upper

62 100

64 32.5 24.2 36.4





#5

Bromomethane

Concen: 5.523 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.01 min

Lab File: VW012952.D

Acq: 13 Sep 2019 14:05

Instrument :

MSVOA_W

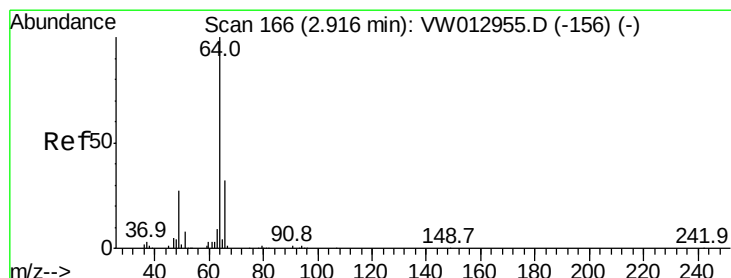
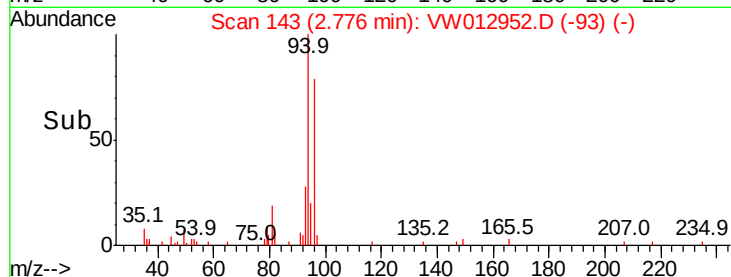
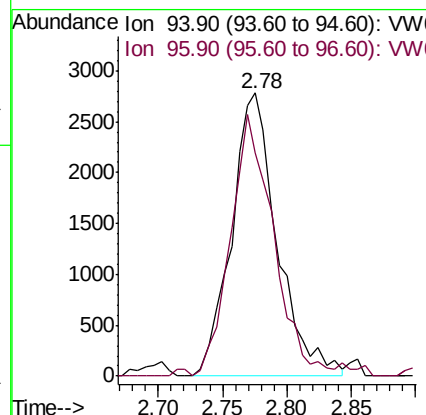
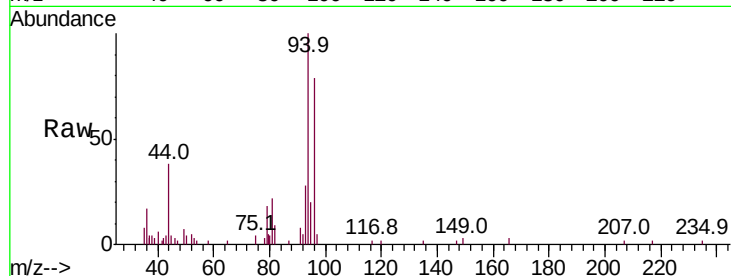
ClientSampled :

Tot Ion: 94 Resp: 6855

Ion Ratio Lower Upper

94 100

96 79.1 77.8 116.6



#6

Chloroethane

Concen: 4.758 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.01 min

Lab File: VW012952.D

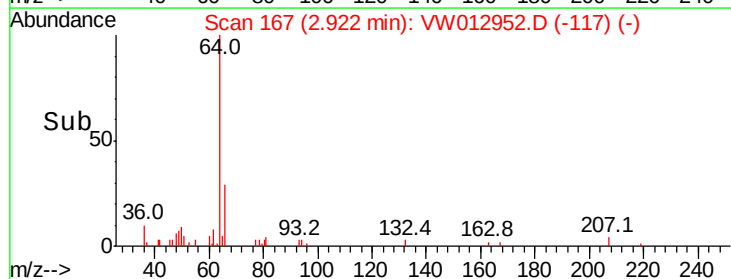
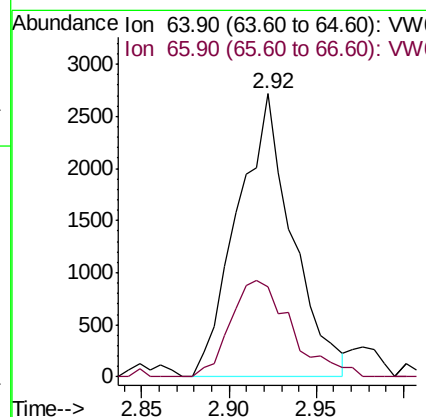
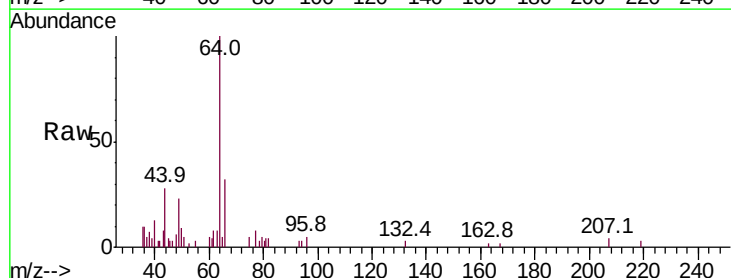
Acq: 13 Sep 2019 14:05

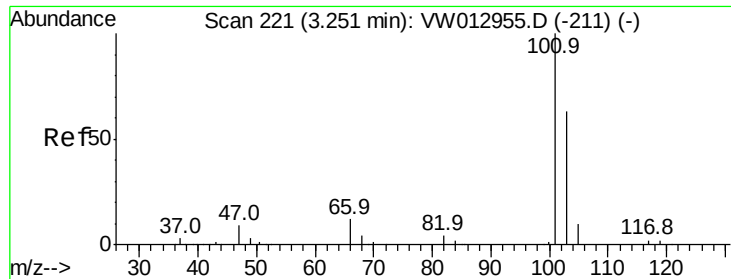
Tgt Ion: 64 Resp: 5931

Ion Ratio Lower Upper

64 100

66 32.0 25.9 38.9



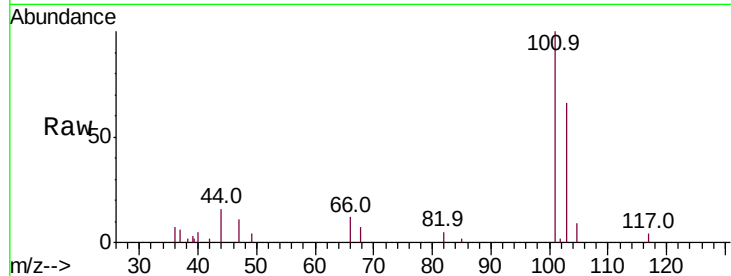


#7

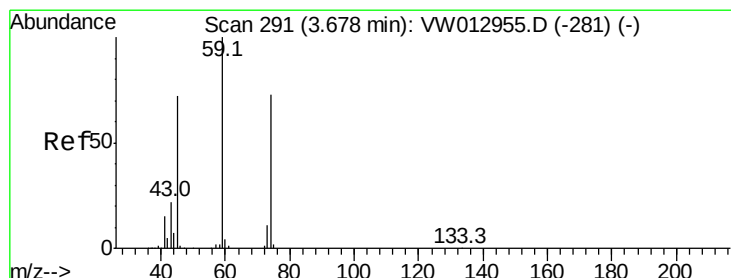
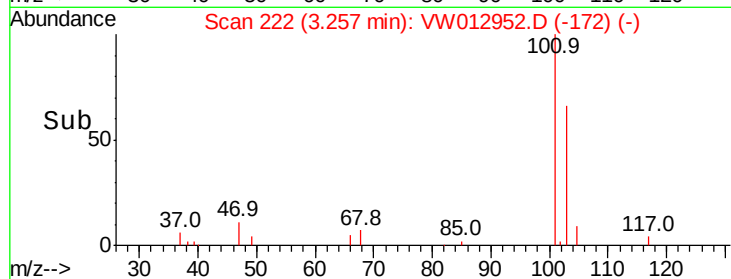
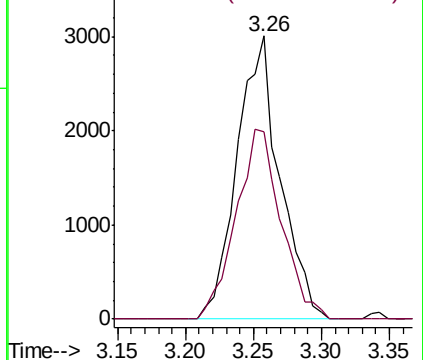
Trichlorofluoromethane
Concen: 4.658 ug/l
RT: 3.26 min Scan# 222
Delta R.T. 0.01 min
Lab File: VW012952.D
Acq: 13 Sep 2019 14:05

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:101 Resp: 6620
Ion Ratio Lower Upper
101 100
103 66.2 50.7 76.1



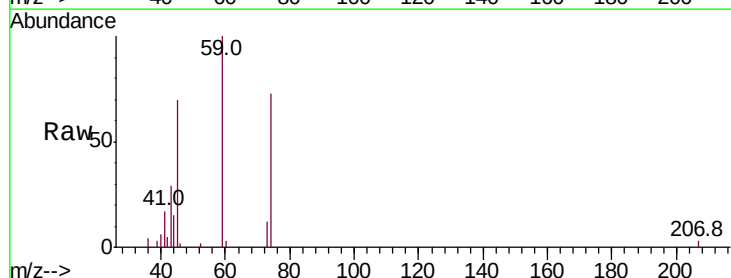
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



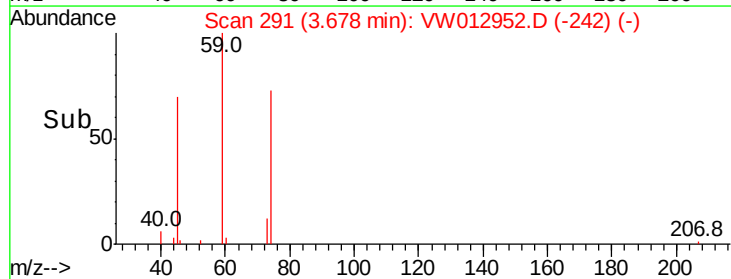
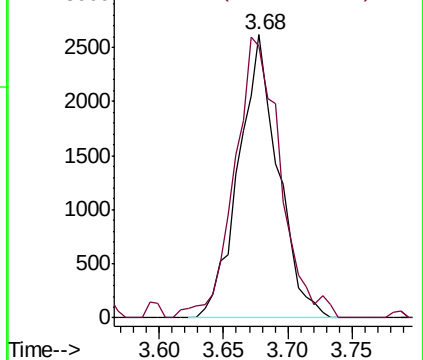
#8

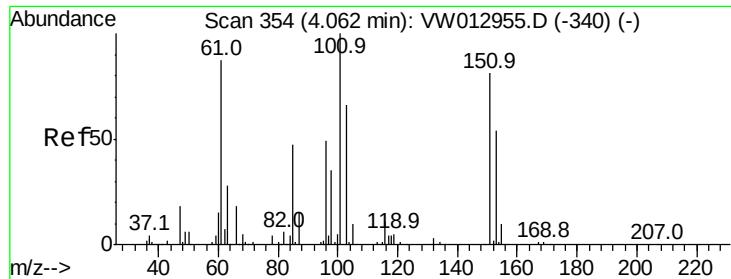
Diethyl Ether
Concen: 4.994 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW012952.D
Acq: 13 Sep 2019 14:05

Tgt Ion: 74 Resp: 5542
Ion Ratio Lower Upper
74 100
45 115.3 53.8 161.4



Abundance Ion 74.00 (73.70 to 74.70): VW
Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.417 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW012952.D

Acq: 13 Sep 2019 14:05

Instrument :

MSVOA_W

ClientSampleId :

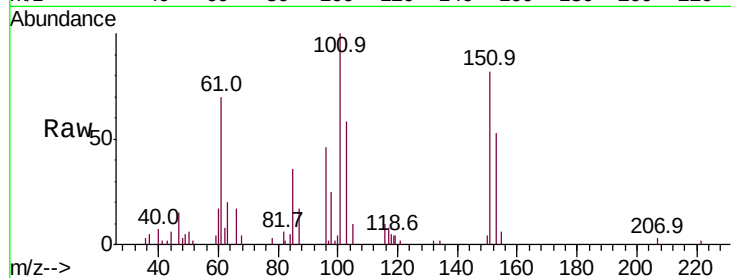
Tot Ion:101 Resp: 11676

Ion Ratio Lower Upper

101 100

85 42.4 34.9 52.3

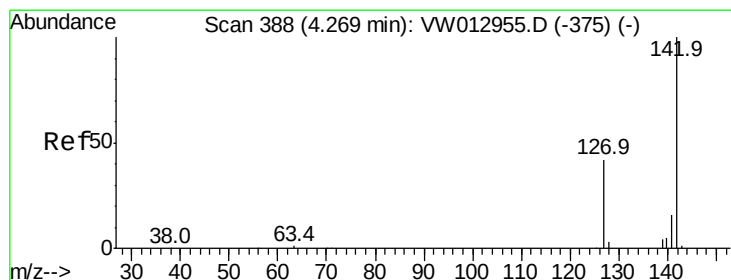
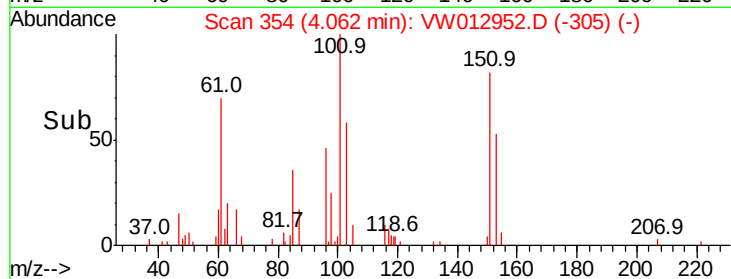
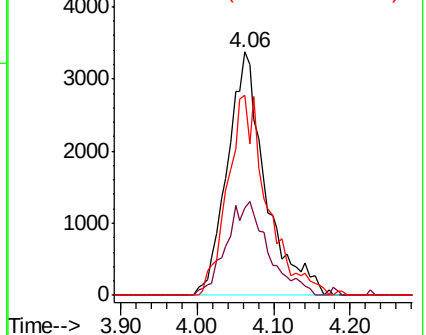
151 84.9 66.0 99.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 4.619 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW012952.D

Acq: 13 Sep 2019 14:05

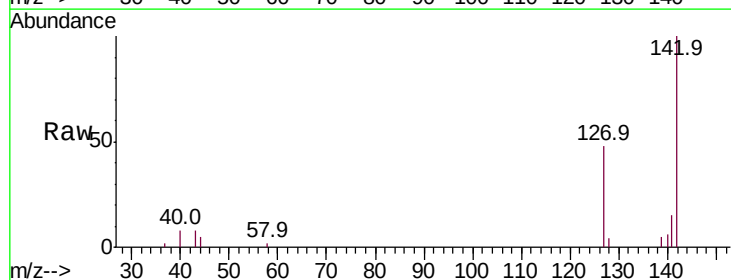
Tgt Ion:142 Resp: 12461

Ion Ratio Lower Upper

142 100

127 44.8 34.7 52.1

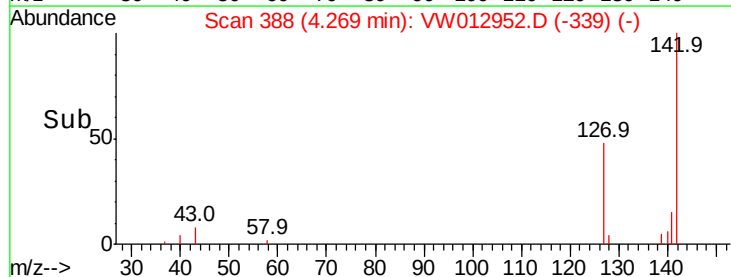
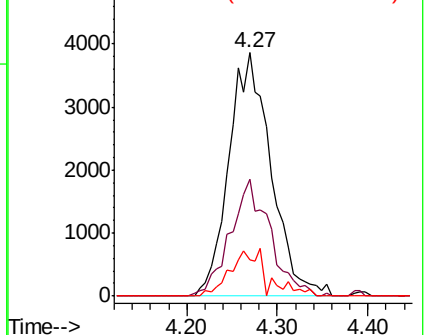
141 14.8 12.2 18.2

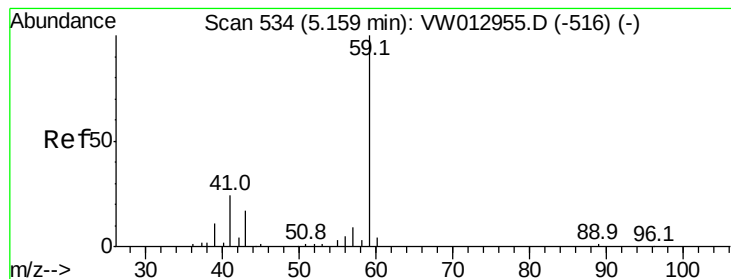


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



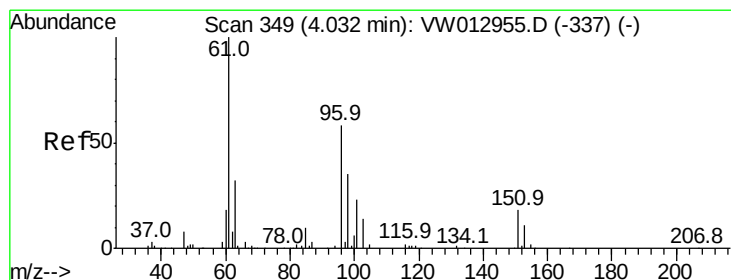
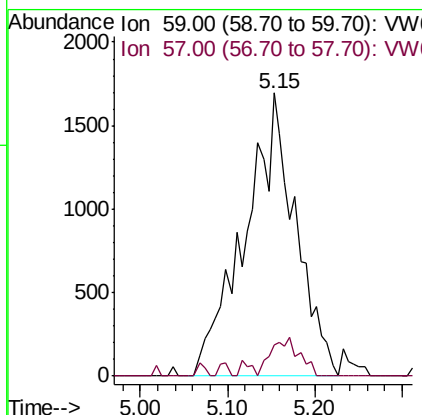
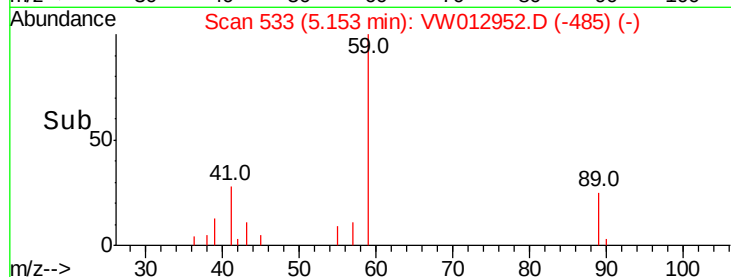
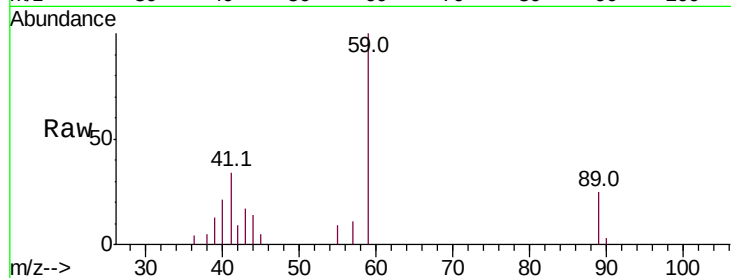


#11

Tert butyl alcohol
 Concen: 33.239 ug/l
 RT: 5.15 min Scan# 533
 Delta R.T. -0.01 min
 Lab File: VW012952.D
 Acq: 13 Sep 2019 14:05

Instrument :
 MSVOA_W
 ClientSampled :

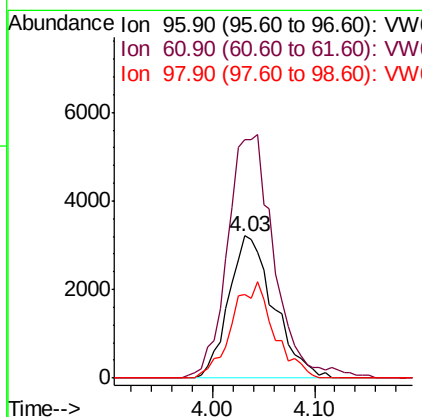
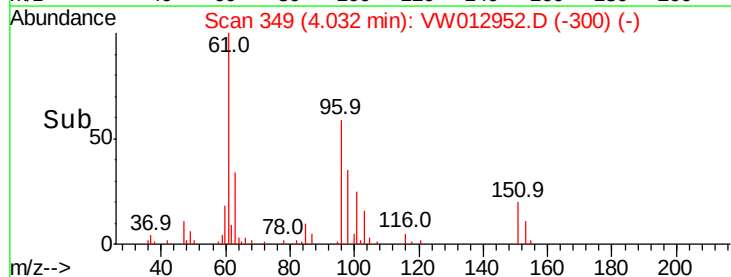
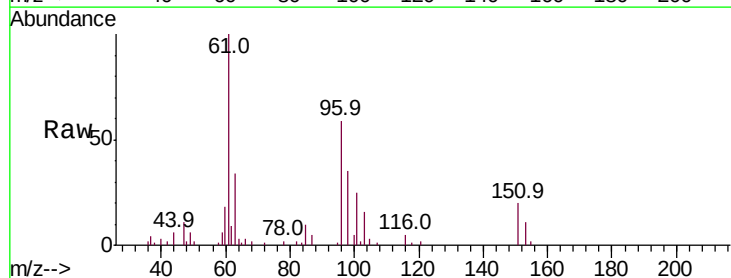
Tot Ion: 59 Resp: 6832
 Ion Ratio Lower Upper
 59 100
 57 7.7 8.5 12.7#

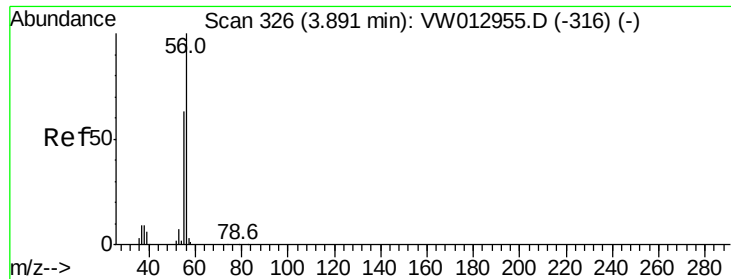


#12

1,1-Dichloroethene
 Concen: 5.024 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.00 min
 Lab File: VW012952.D
 Acq: 13 Sep 2019 14:05

Tgt Ion: 96 Resp: 9846
 Ion Ratio Lower Upper
 96 100
 61 166.5 137.9 206.9
 98 58.5 48.9 73.3





#13

Acrolein

Concen: 17.467 ug/l

RT: 3.88 min Scan# 324

Delta R.T. -0.01 min

Lab File: VW012952.D

Acq: 13 Sep 2019 14:05

Instrument :

MSVOA_W

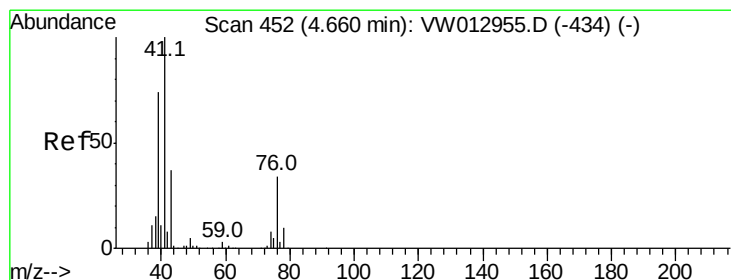
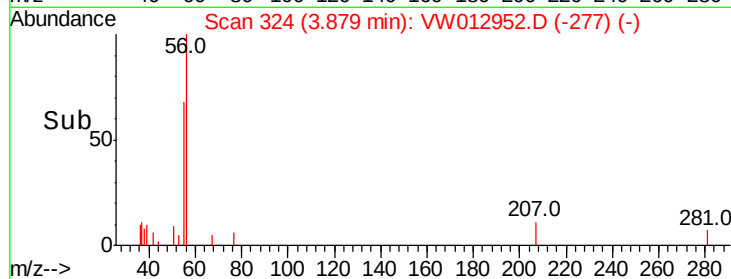
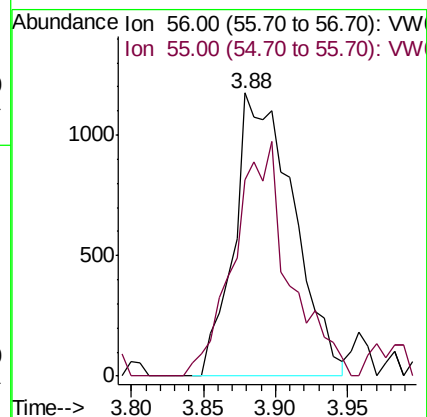
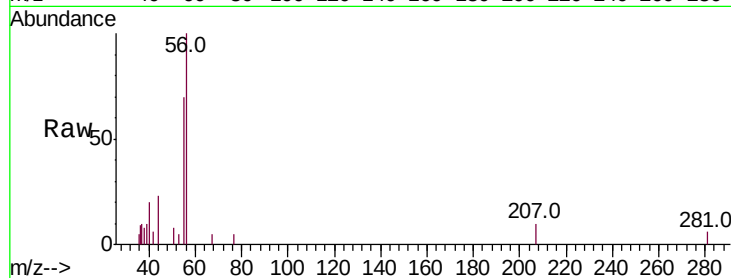
ClientSampled :

Tot Ion: 56 Resp: 3360

Ion Ratio Lower Upper

56 100

55 76.7 55.8 83.8



#14

Allyl chloride

Concen: 4.811 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.01 min

Lab File: VW012952.D

Acq: 13 Sep 2019 14:05

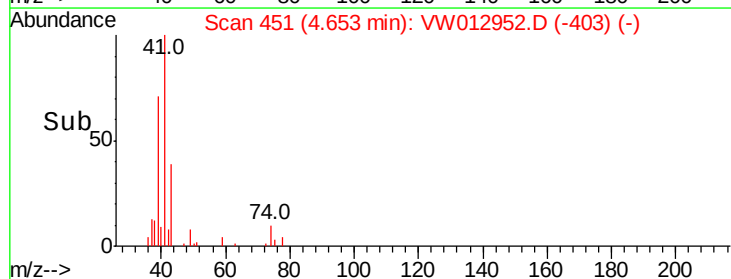
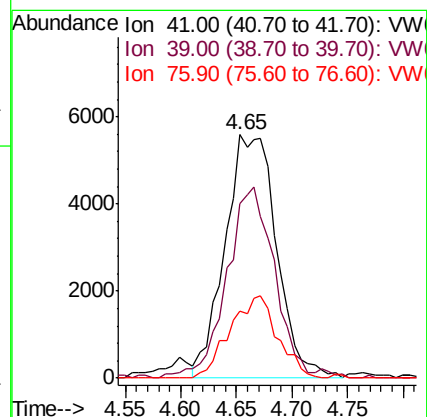
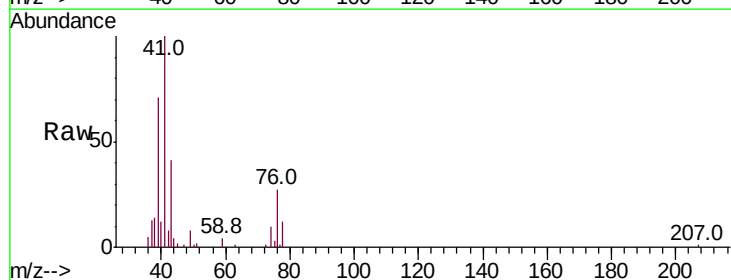
Tgt Ion: 41 Resp: 17902

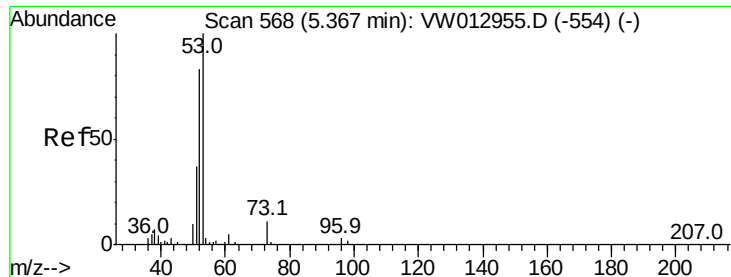
Ion Ratio Lower Upper

41 100

39 72.5 56.7 85.1

76 31.4 25.1 37.7





#15

Acrylonitrile

Concen: 24.232 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW012952.D

Acq: 13 Sep 2019 14:05

Instrument :

MSVOA_W

ClientSampleId :

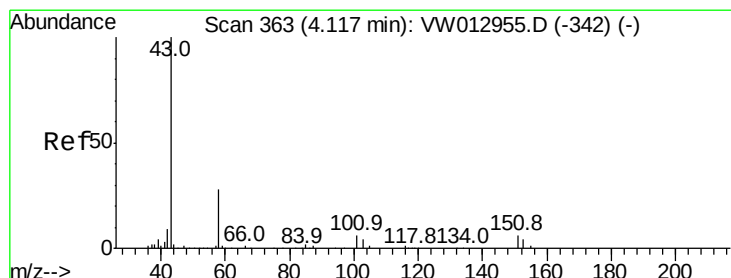
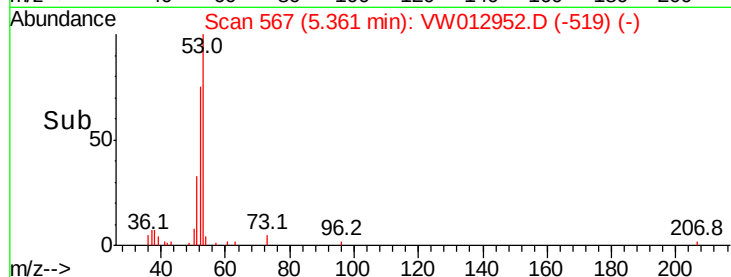
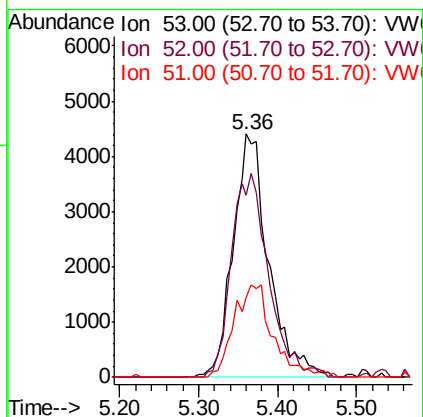
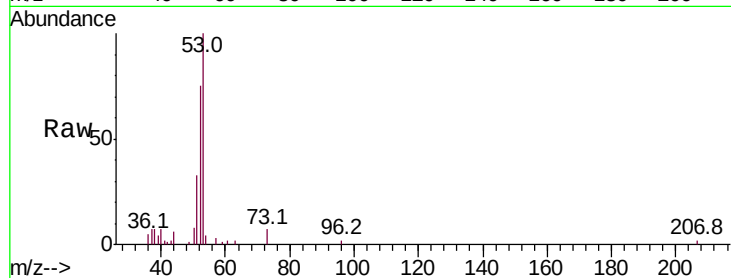
Tot Ion: 53 Resp: 13735

Ion Ratio Lower Upper

53 100

52 87.7 66.6 100.0

51 42.1 29.8 44.8



#16

Acetone

Concen: 30.098 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW012952.D

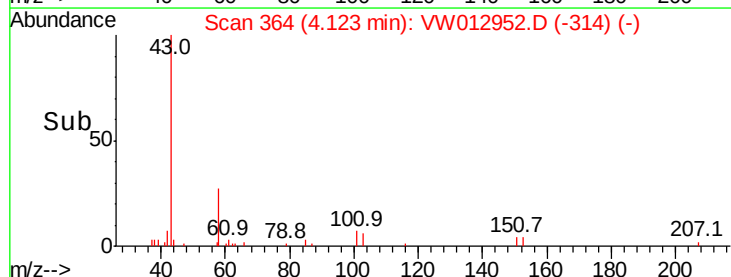
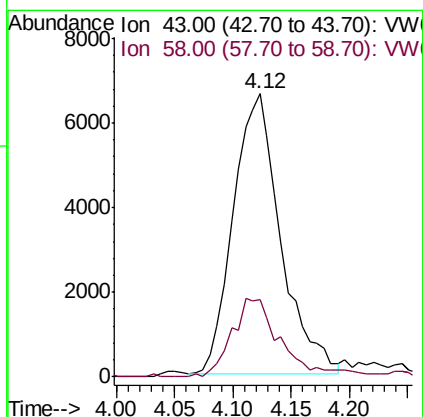
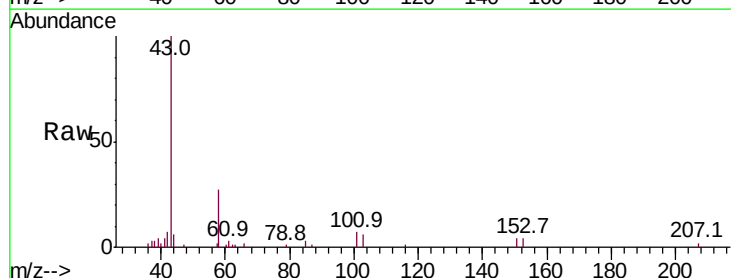
Acq: 13 Sep 2019 14:05

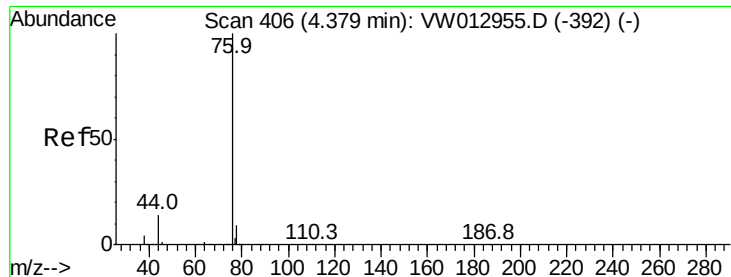
Tgt Ion: 43 Resp: 18750

Ion Ratio Lower Upper

43 100

58 27.7 22.3 33.5

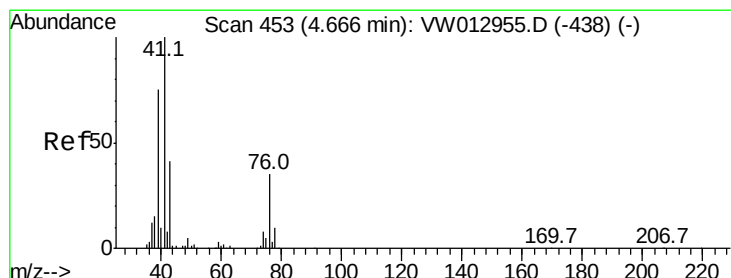
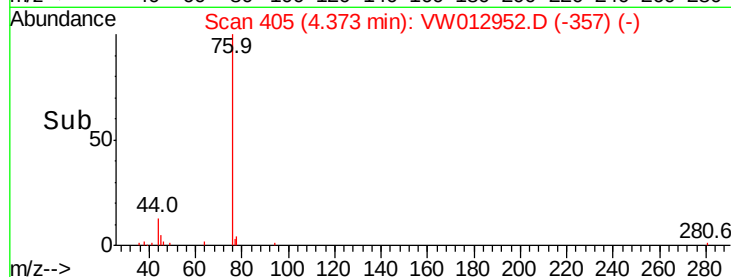
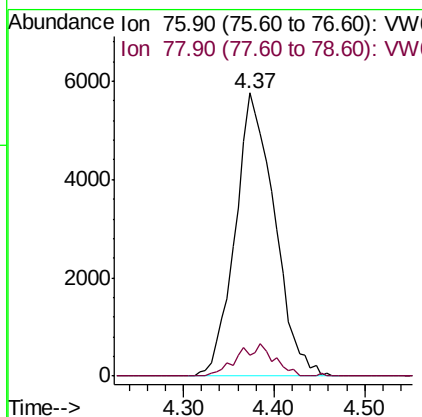
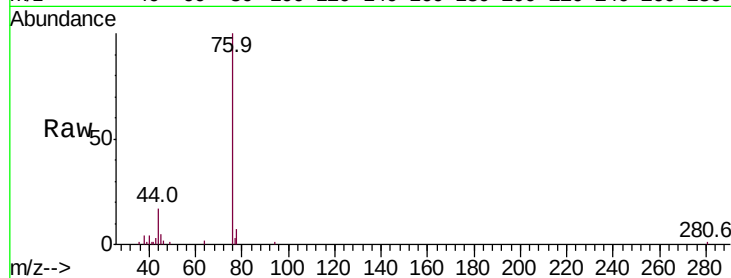




#17
Carbon Disulfide
Concen: 4.425 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW012952.D
Acq: 13 Sep 2019 14:05

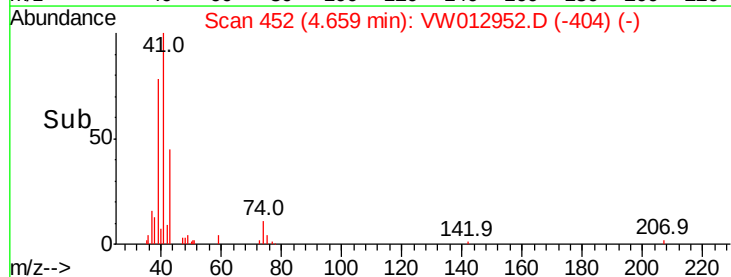
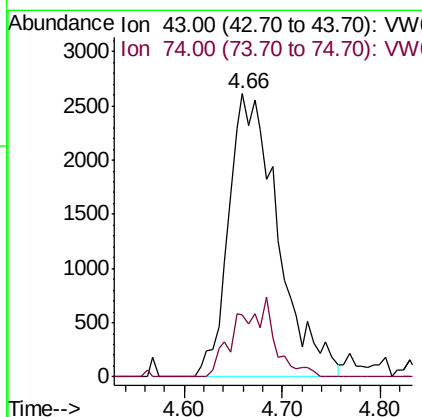
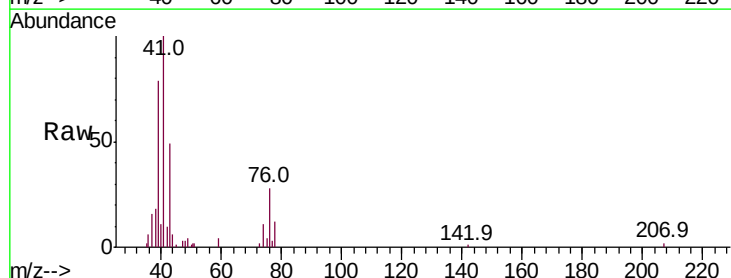
Instrument :
MSVOA_W
ClientSampleId :

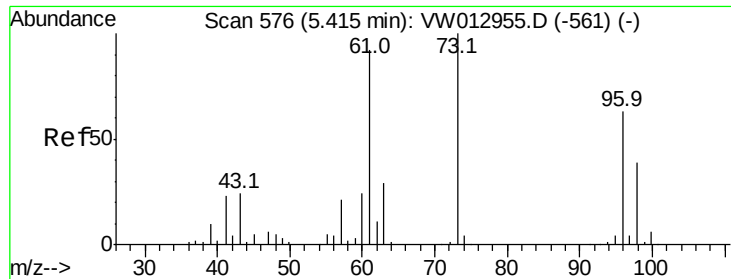
Tot Ion: 76 Resp: 17284
Ion Ratio Lower Upper
76 100
78 7.4 7.0 10.4



#18
Methyl Acetate
Concen: 6.122 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW012952.D
Acq: 13 Sep 2019 14:05

Tgt Ion: 43 Resp: 9147
Ion Ratio Lower Upper
43 100
74 10.1 17.8 26.8#

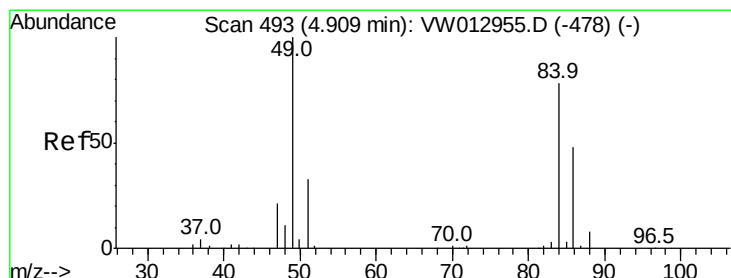
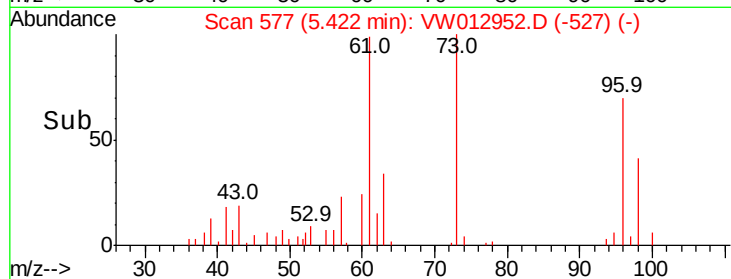
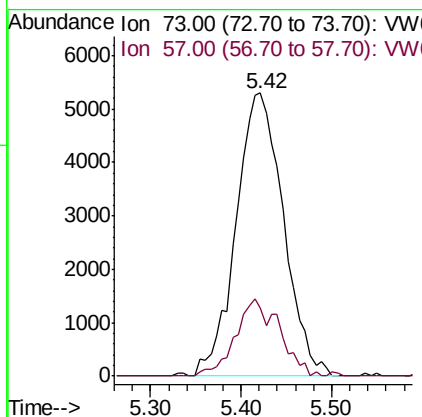
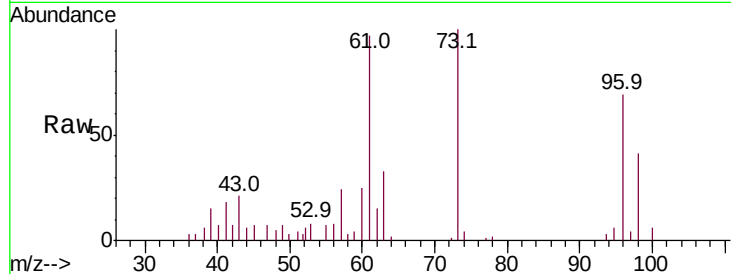




#19
Methyl tert-butyl Ether
Concen: 4.961 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.01 min
Lab File: VW012952.D
Acq: 13 Sep 2019 14:05

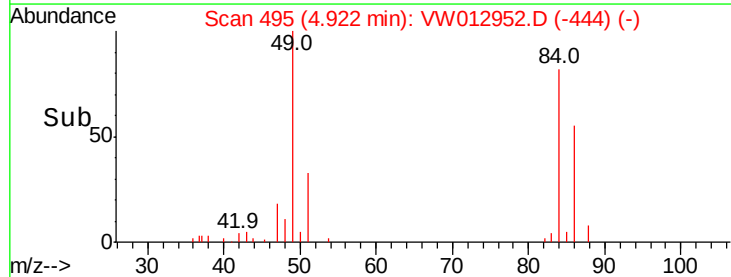
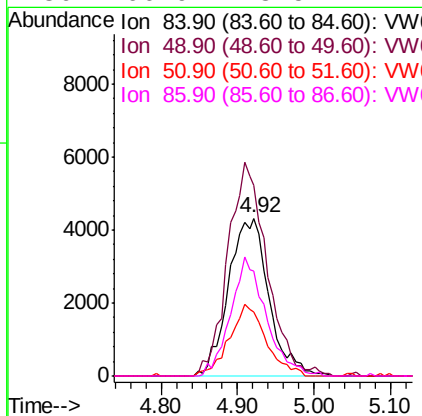
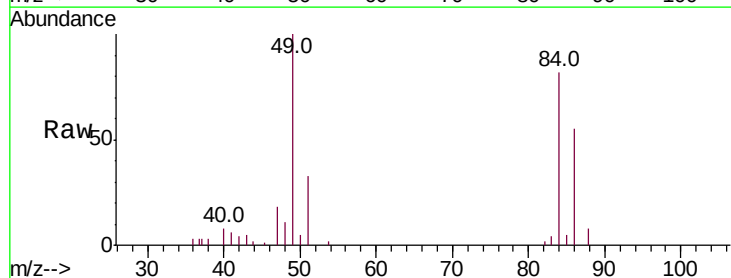
Instrument :
MSVOA_W
ClientSampled :

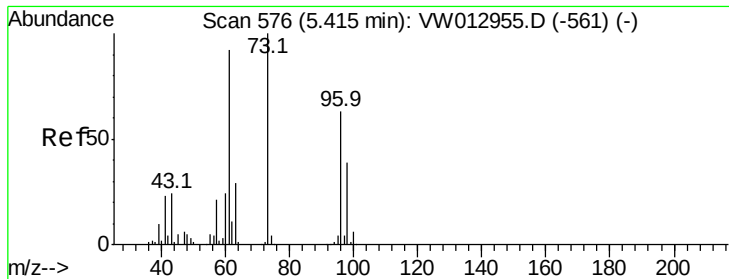
Tot Ion: 73 Resp: 19195
Ion Ratio Lower Upper
73 100
57 24.2 16.4 24.6



#20
Methylene Chloride
Concen: 6.413 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW012952.D
Acq: 13 Sep 2019 14:05

Tgt Ion: 84 Resp: 15808
Ion Ratio Lower Upper
84 100
49 121.3 102.0 153.0
51 40.5 34.0 51.0
86 66.9 48.5 72.7





#21

trans-1,2-Dichloroethene

Concen: 5.187 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW012952.D

Acq: 13 Sep 2019 14:05

Instrument :

MSVOA_W

ClientSampled :

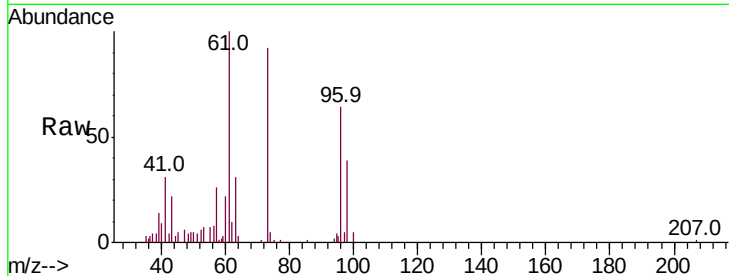
Tot Ion: 96 Resp: 10889

Ion Ratio Lower Upper

96 100

61 155.4 116.2 174.2

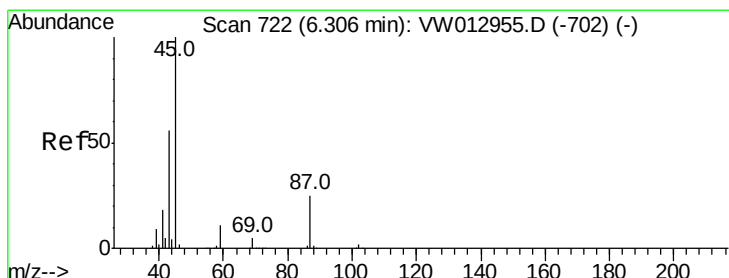
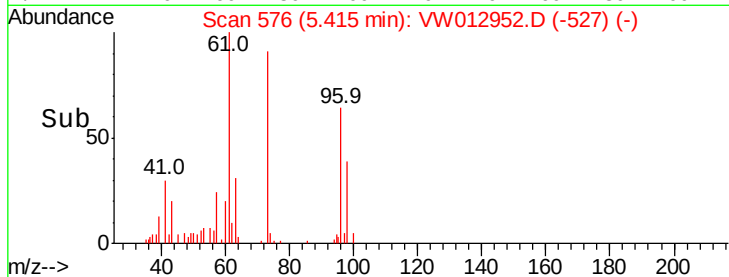
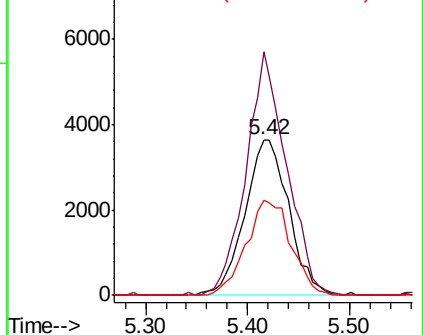
98 61.4 49.8 74.6



Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 4.954 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.01 min

Lab File: VW012952.D

Acq: 13 Sep 2019 14:05

Tgt Ion: 45 Resp: 38296

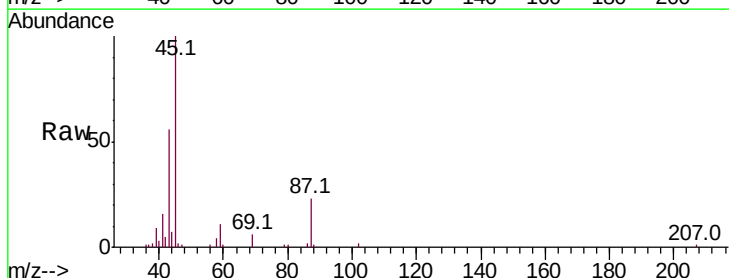
Ion Ratio Lower Upper

45 100

43 54.6 44.6 67.0

87 22.9 20.0 30.0

59 10.7 8.7 13.1

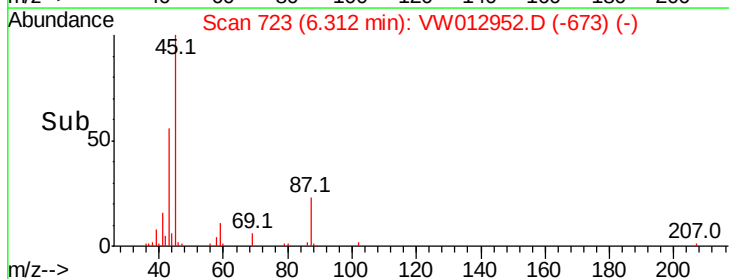
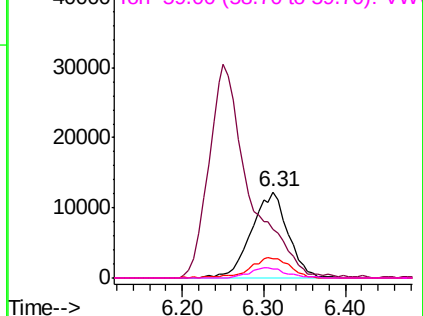


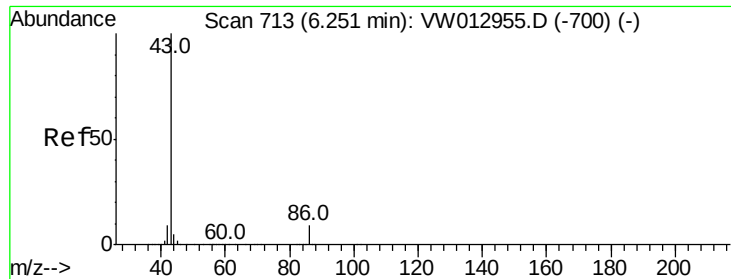
Abundance Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 22.722 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012952.D

Acq: 13 Sep 2019 14:05

Instrument :

MSVOA_W

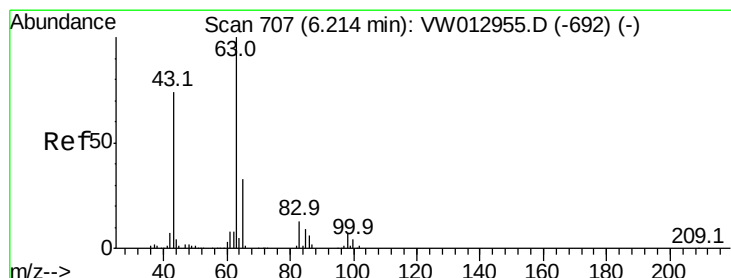
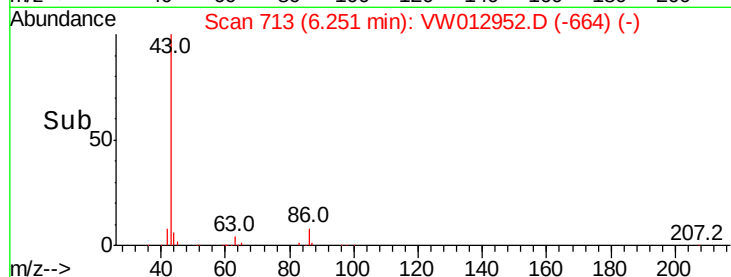
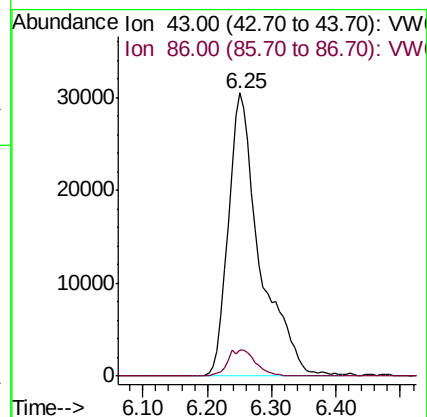
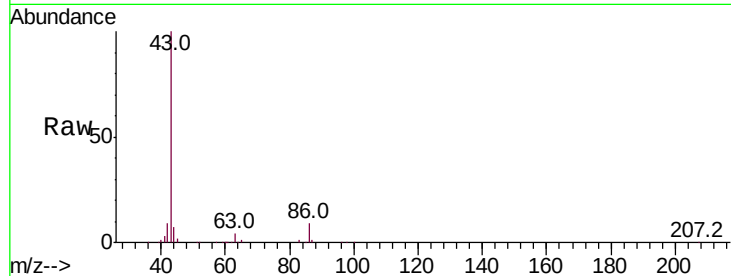
ClientSampleId :

Tot Ion: 43 Resp: 105196

Ion Ratio Lower Upper

43 100

86 9.4 7.0 10.6



#24

1,1-Dichloroethane

Concen: 5.156 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW012952.D

Acq: 13 Sep 2019 14:05

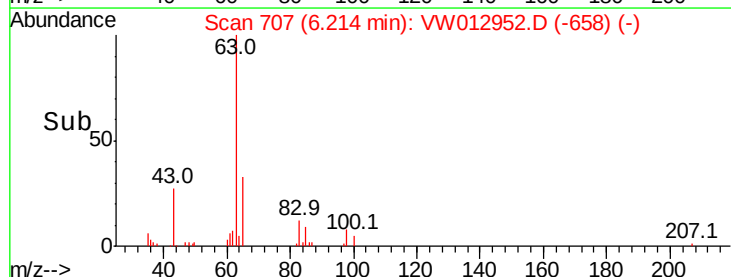
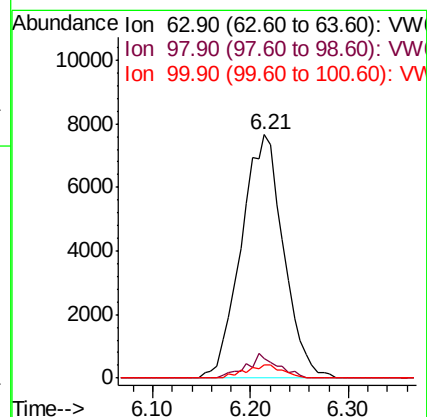
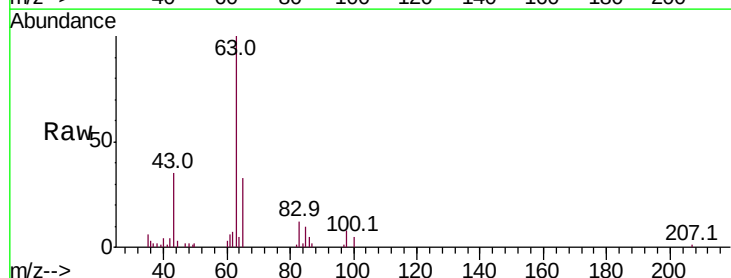
Tgt Ion: 63 Resp: 22981

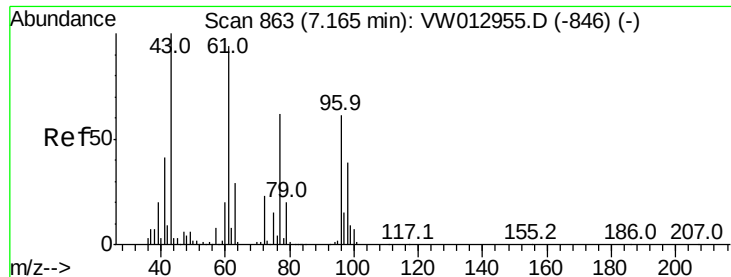
Ion Ratio Lower Upper

63 100

98 8.1 3.3 9.9

100 5.3 1.8 5.5





#25

2-Butanone

Concen: 26.105 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW012952.D

Acq: 13 Sep 2019 14:05

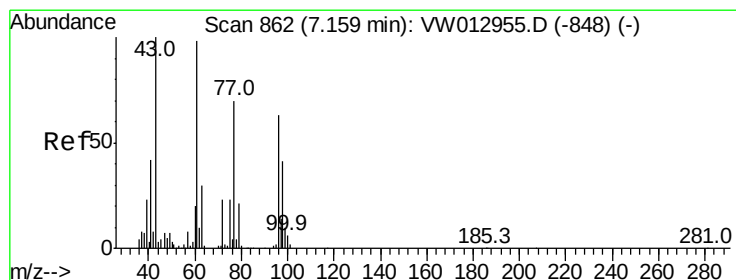
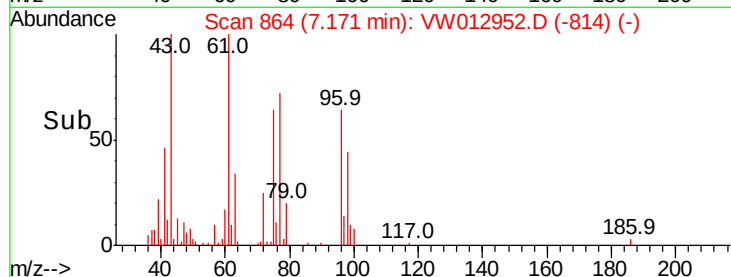
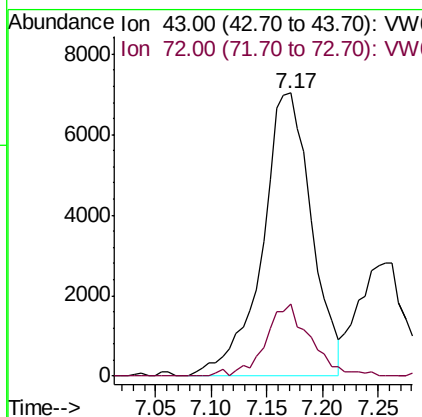
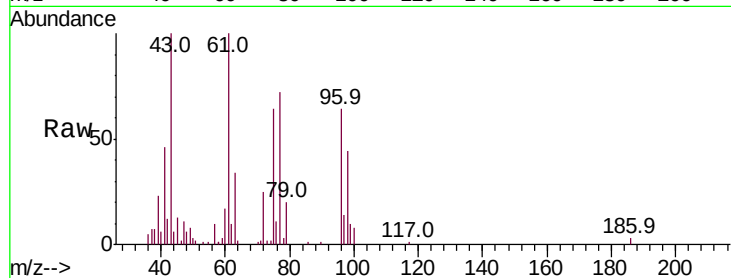
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 21768

Ion Ratio Lower Upper

43 100

72 25.5 18.2 27.4



#26

2,2-Dichloropropane

Concen: 5.962 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.00 min

Lab File: VW012952.D

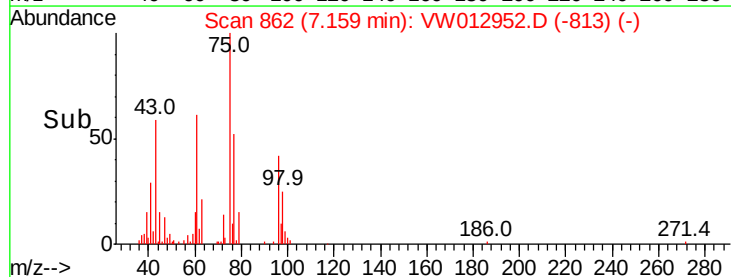
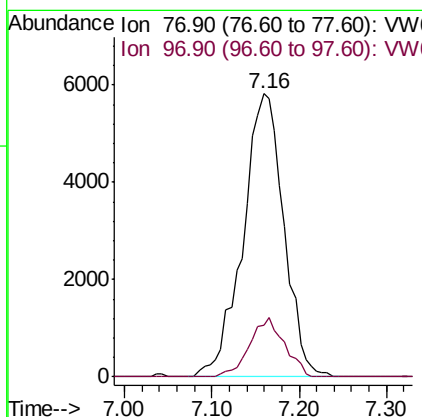
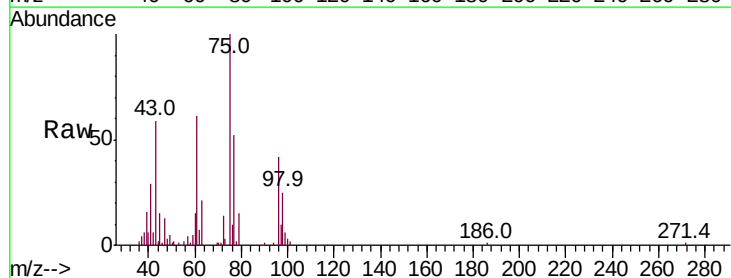
Acq: 13 Sep 2019 14:05

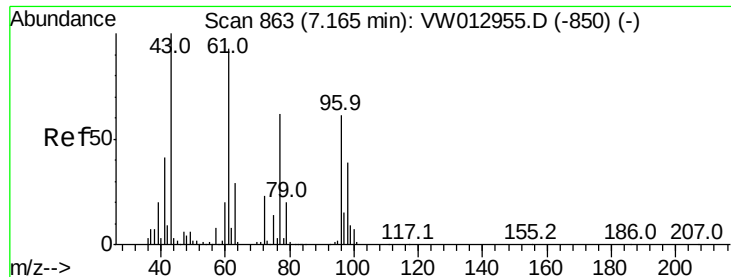
Tgt Ion: 77 Resp: 18840

Ion Ratio Lower Upper

77 100

97 18.0 10.7 32.1



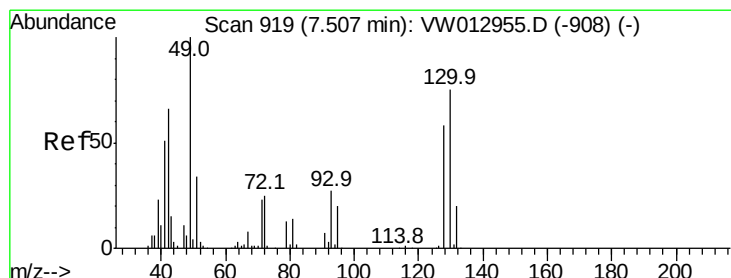
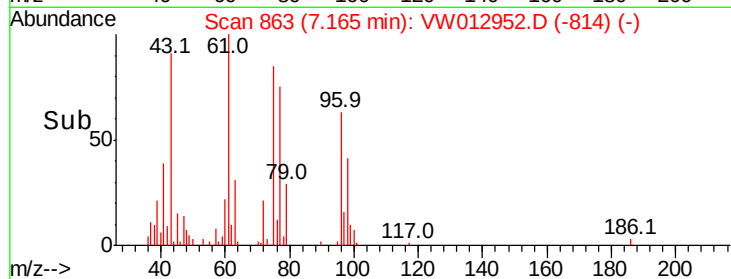
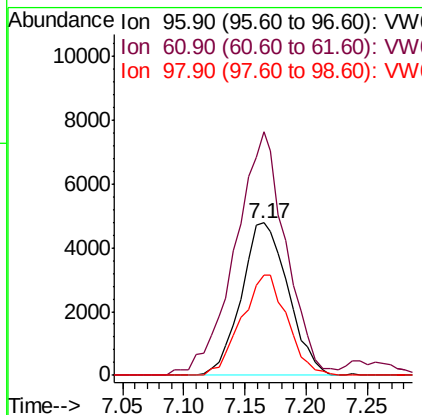
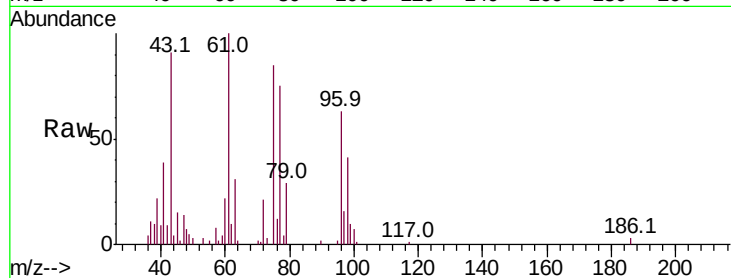


#27

cis-1,2-Dichloroethene
Concen: 5.050 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW012952.D
Acq: 13 Sep 2019 14:05

Instrument :
MSVOA_W
ClientSampled :

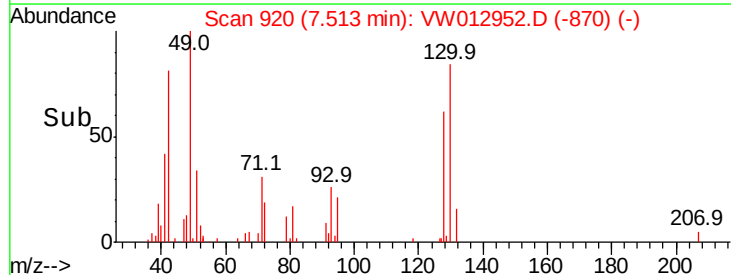
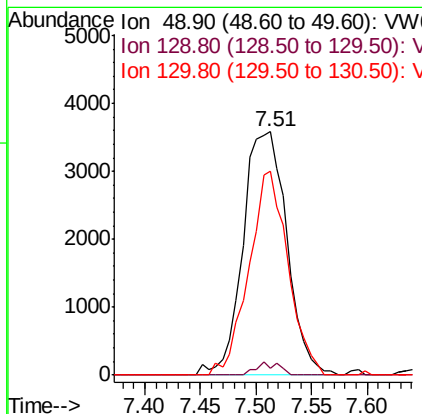
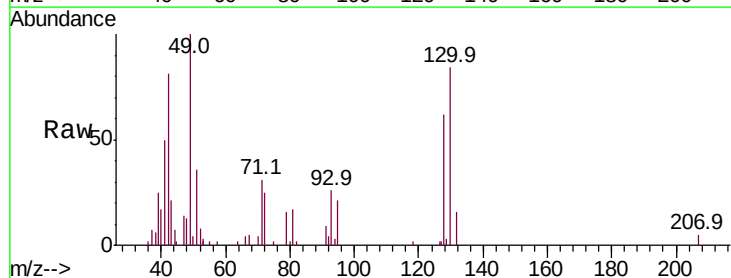
Tot Ion	96	Resp	12691
Ion	Ratio	Lower	Upper
96	100		
61	173.9	0.0	315.4
98	64.3	0.0	131.0

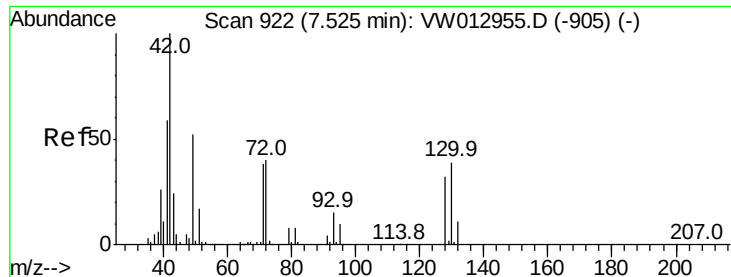


#28

Bromochloromethane
Concen: 5.246 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW012952.D
Acq: 13 Sep 2019 14:05

Tgt Ion	49	Resp	9841
Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	1.4#
130	74.5	57.8	86.6

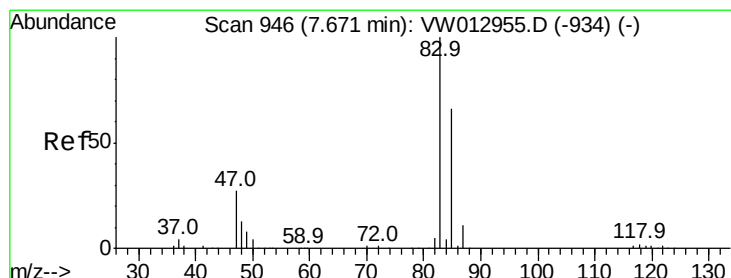
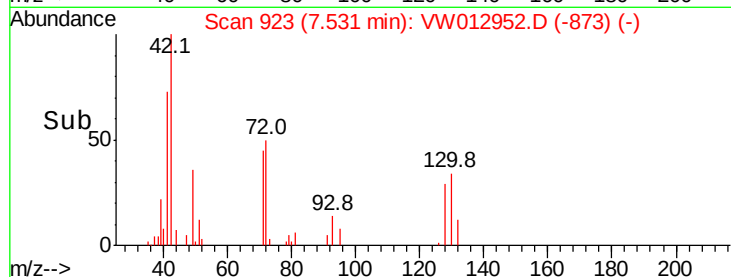
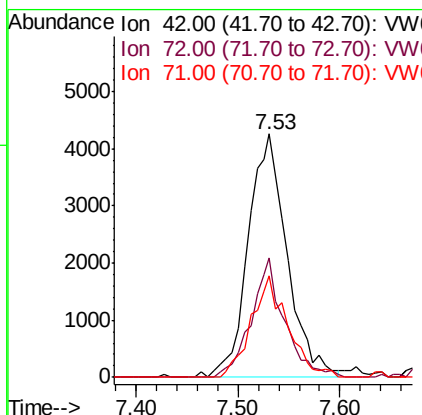
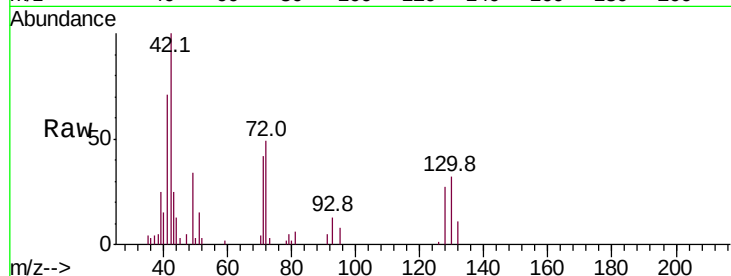




#29
Tetrahydrofuran
Concen: 23.705 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW012952.D
Acq: 13 Sep 2019 14:05

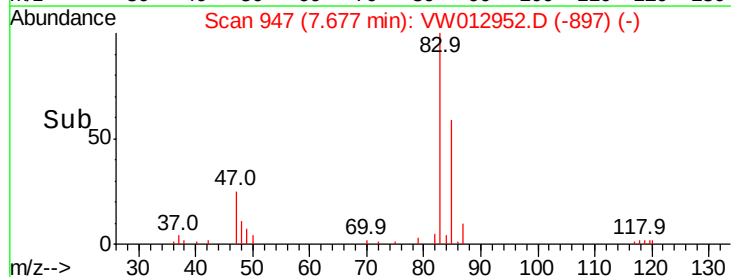
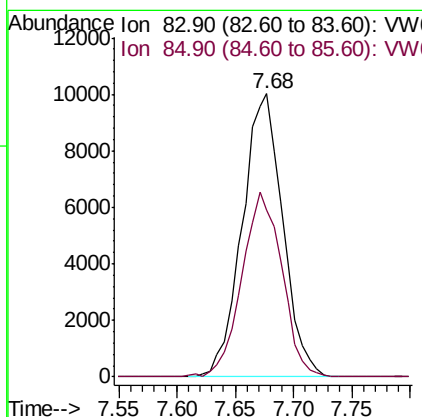
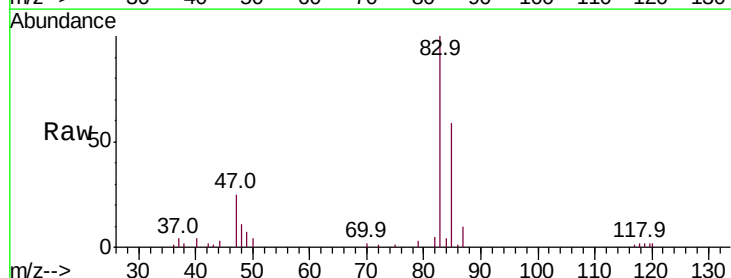
Instrument :
MSVOA_W
ClientSampled :

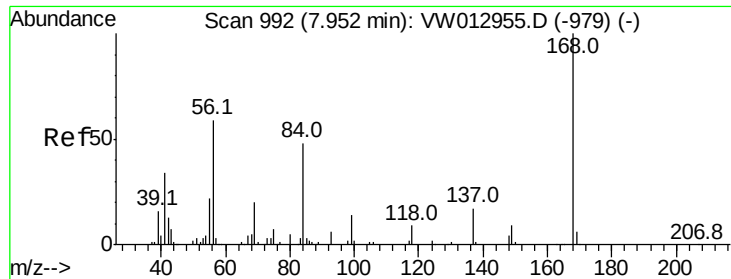
Tot Ion: 42 Resp: 11263
Ion Ratio Lower Upper
42 100
72 42.2 31.4 47.0
71 39.1 29.8 44.8



#30
Chloroform
Concen: 5.367 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW012952.D
Acq: 13 Sep 2019 14:05

Tgt Ion: 83 Resp: 24304
Ion Ratio Lower Upper
83 100
85 58.8 52.8 79.2

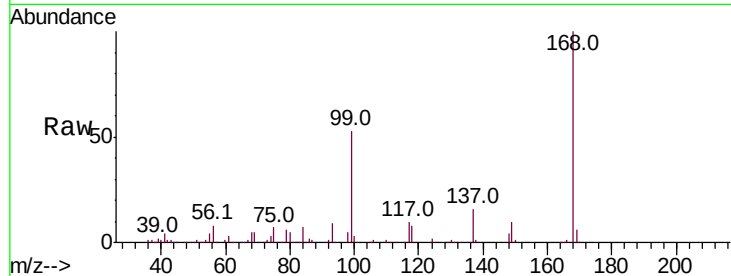




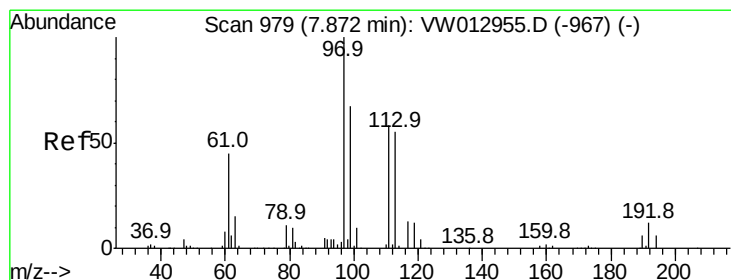
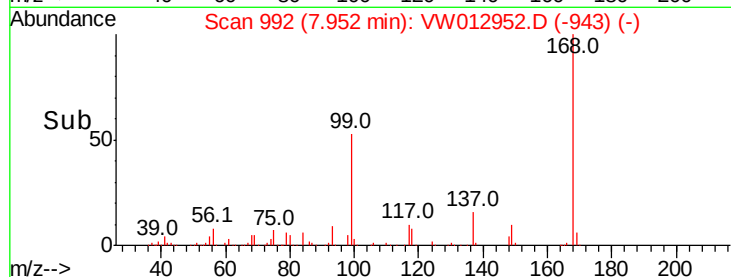
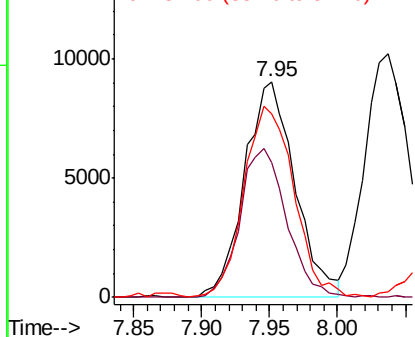
#31
Cyclohexane
Concen: 6.158 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW012952.D
Acq: 13 Sep 2019 14:05

Instrument :
MSVOA_W
ClientSampled :

Tot Ion	56	Resp	23385
Ion Ratio	Lower	Upper	
56	100		
69	62.7	27.0	40.6#
84	85.0	66.2	99.2

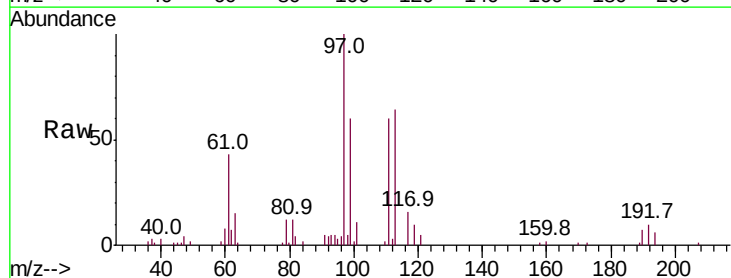


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

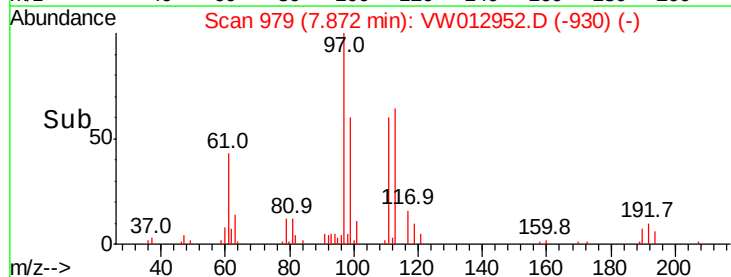
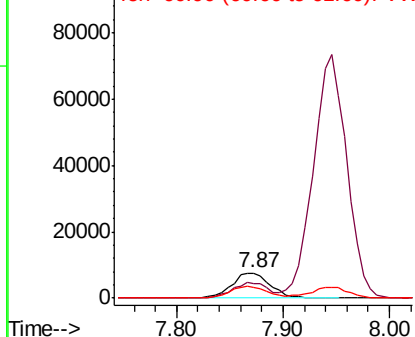


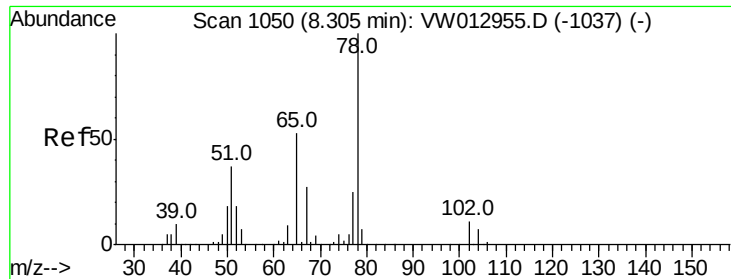
#32
1,1,1-Trichloroethane
Concen: 5.154 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW012952.D
Acq: 13 Sep 2019 14:05

Tgt Ion	97	Resp	19220
Ion Ratio	Lower	Upper	
97	100		
99	58.9	53.0	79.4
61	46.6	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

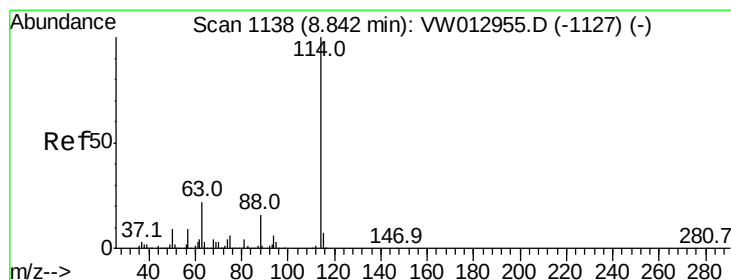
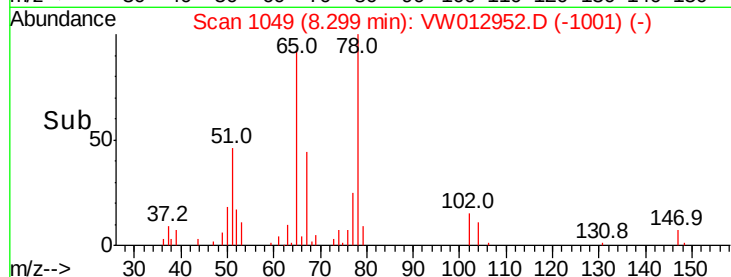
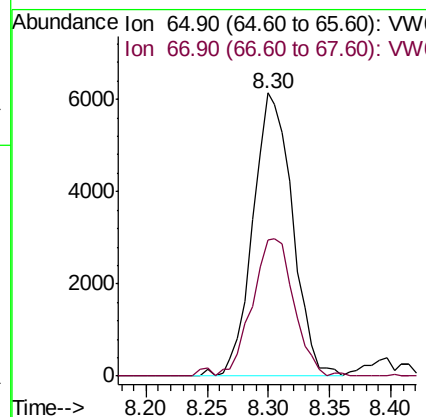
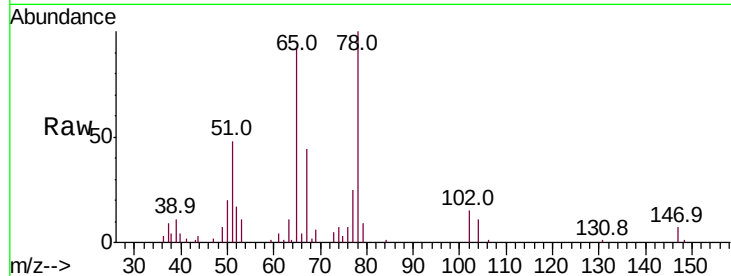




#33
 1,2-Dichloroethane-d4
 Concen: 5.257 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW012952.D
 Acq: 13 Sep 2019 14:05

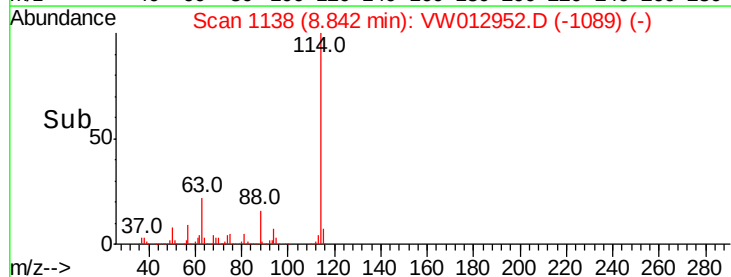
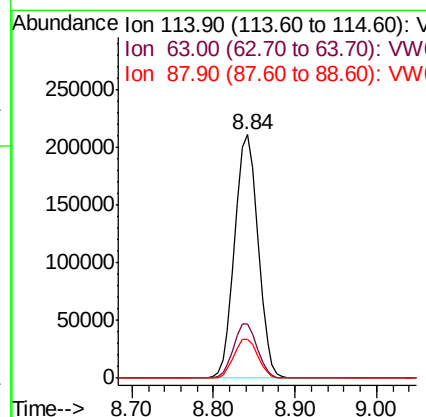
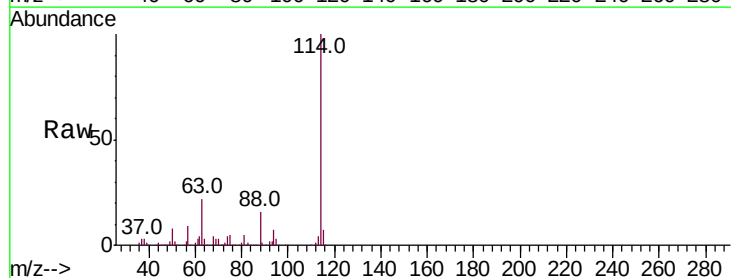
Instrument :
 MSVOA_W
 ClientSampleId :

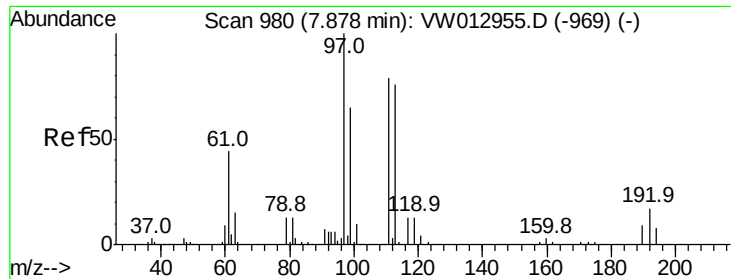
Tot Ion: 65 Resp: 13785
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012952.D
 Acq: 13 Sep 2019 14:05

Tgt Ion: 114 Resp: 416515
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 43.4
 88 16.0 0.0 31.6





#35

Dibromofluoromethane

Concen: 5.283 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW012952.D

Acq: 13 Sep 2019 14:05

Instrument :

MSVOA_W

ClientSampleId :

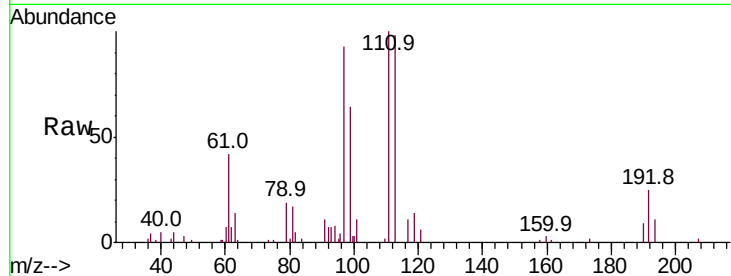
Tot Ion:113 Resp: 11940

Ion Ratio Lower Upper

113 100

111 100.9 82.8 124.2

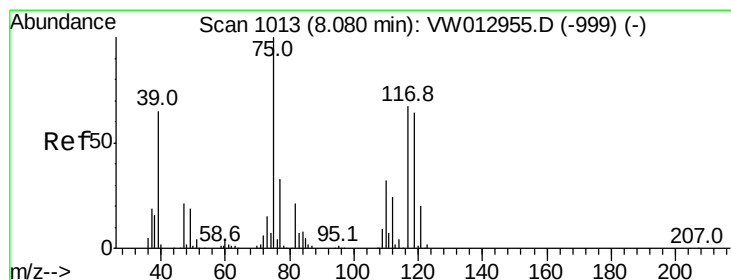
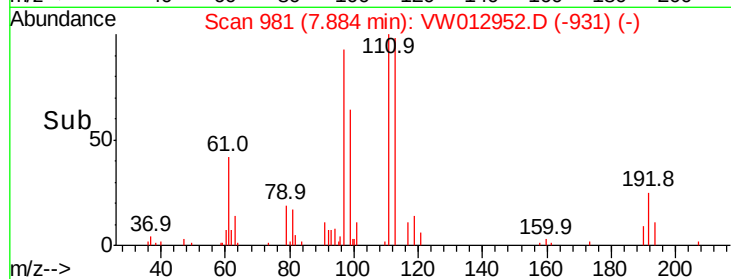
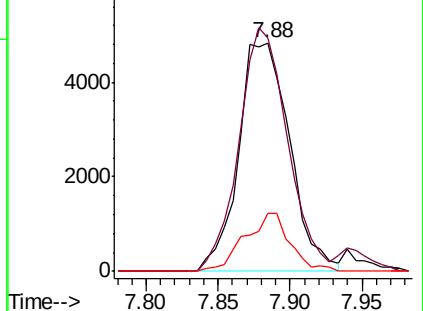
192 22.4 17.8 26.8



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: 5.088 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW012952.D

Acq: 13 Sep 2019 14:05

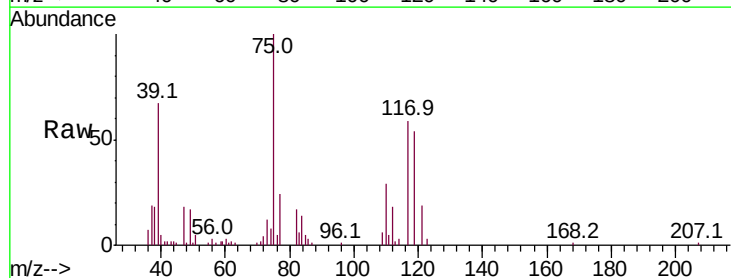
Tgt Ion: 75 Resp: 16934

Ion Ratio Lower Upper

75 100

110 32.1 16.4 49.1

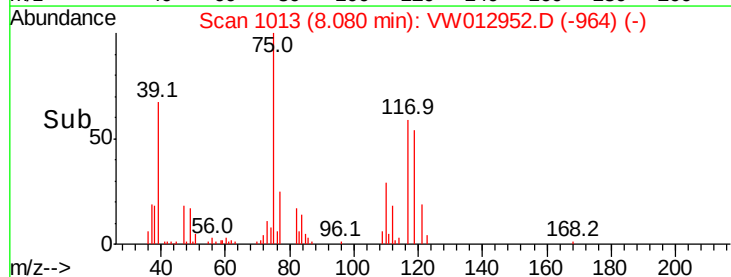
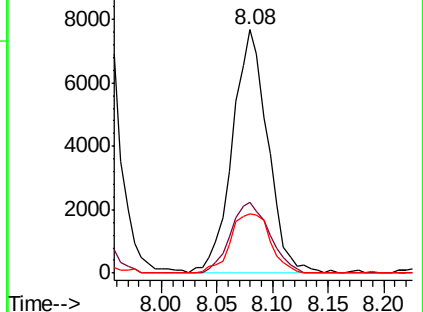
77 27.4 25.1 37.7

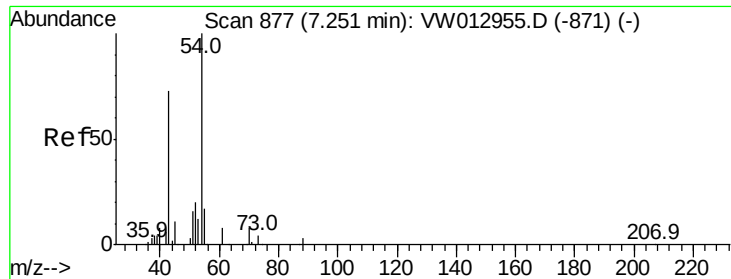


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

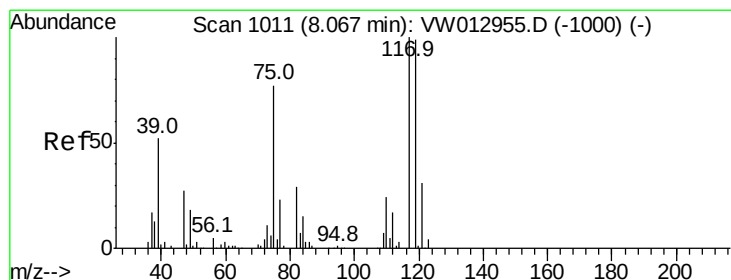
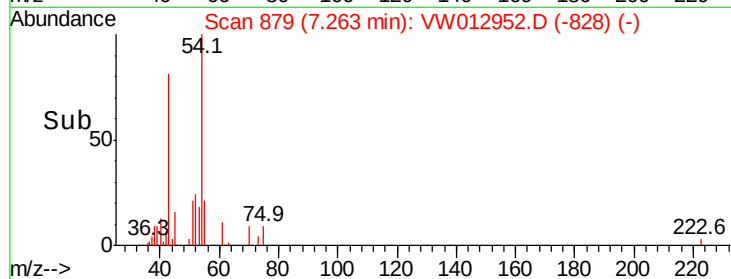
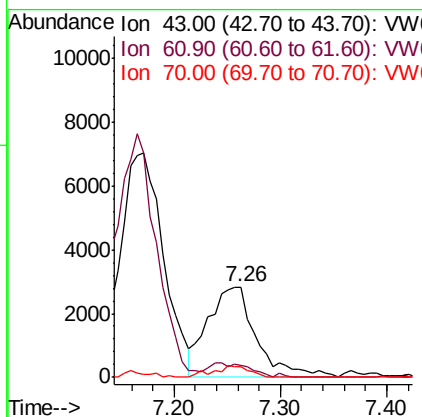
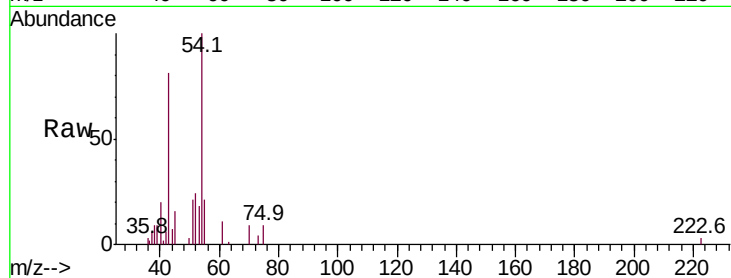




#37
Ethyl Acetate
Concen: 5.105 ug/l
RT: 7.26 min Scan# 879
Delta R.T. 0.01 min
Lab File: VW012952.D
Acq: 13 Sep 2019 14:05

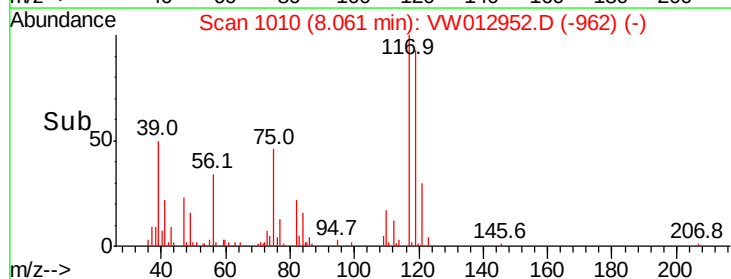
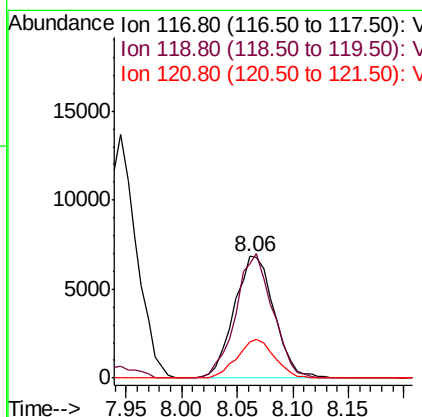
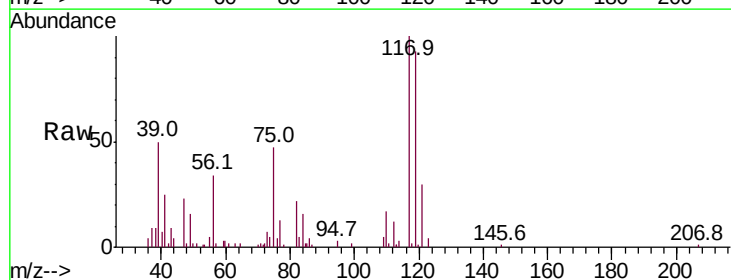
Instrument :
MSVOA_W
ClientSampled :

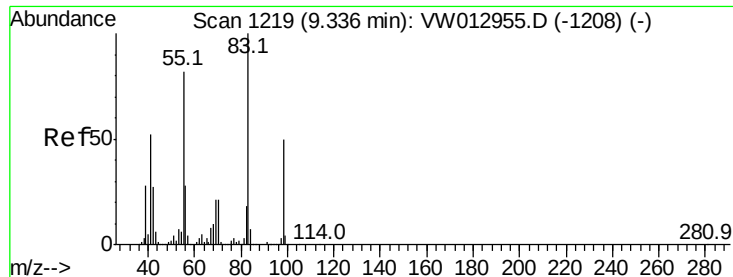
Tot Ion: 43 Resp: 9019
Ion Ratio Lower Upper
43 100
61 12.7 9.6 14.4
70 9.5 7.6 11.4



#38
Carbon Tetrachloride
Concen: 4.999 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW012952.D
Acq: 13 Sep 2019 14:05

Tgt Ion: 117 Resp: 17049
Ion Ratio Lower Upper
117 100
119 93.5 79.4 119.0
121 30.2 24.6 36.8

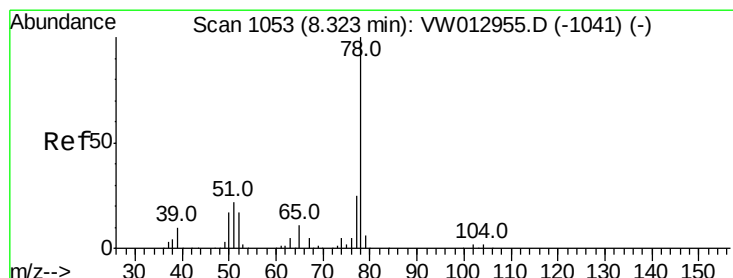
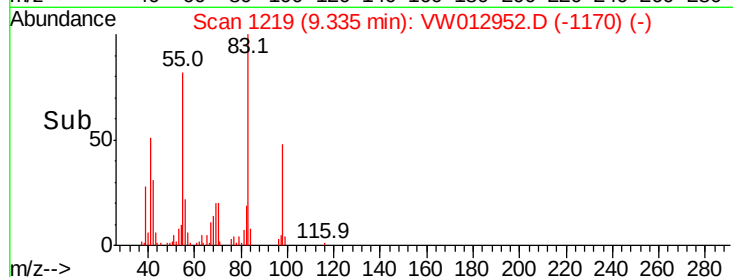
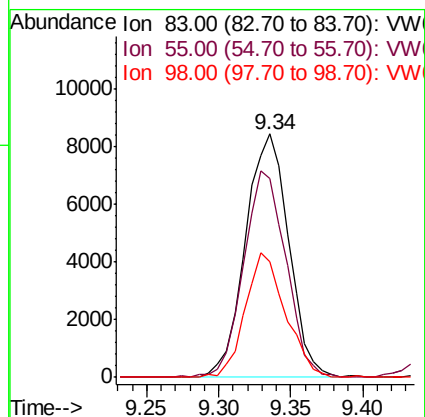
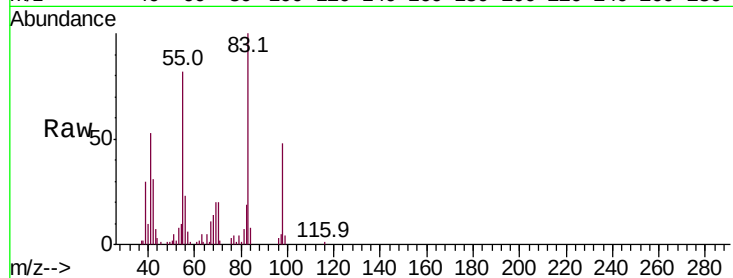




#39
Methylvlcyclohexane
Concen: 4.808 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012952.D
Acq: 13 Sep 2019 14:05

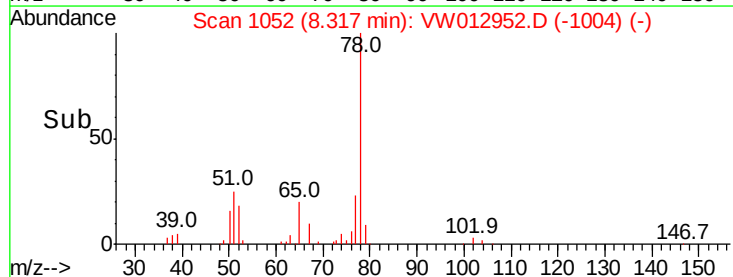
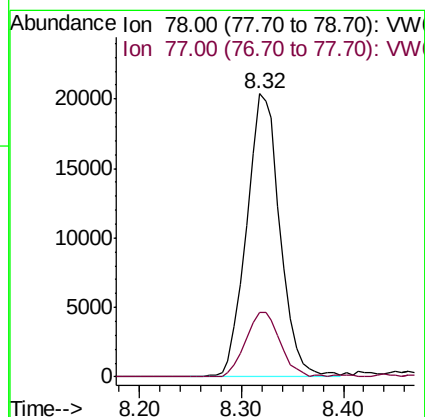
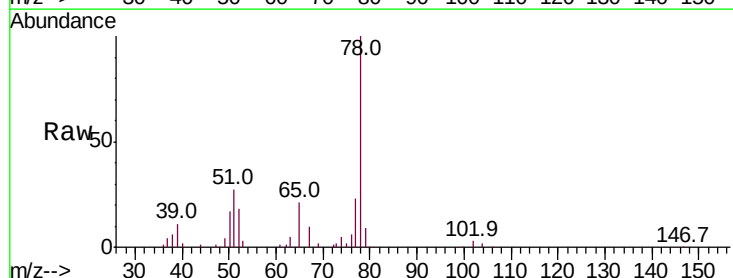
Instrument :
MSVOA_W
ClientSampled :

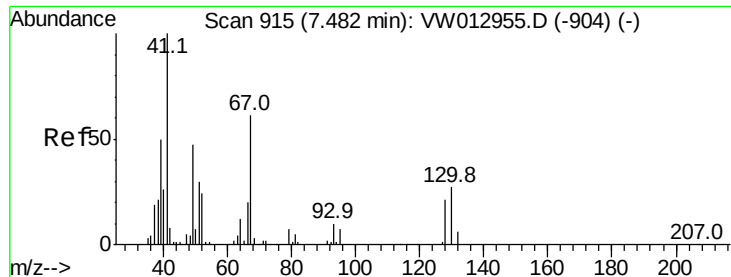
Tot Ion: 83 Resp: 17535
Ion Ratio Lower Upper
83 100
55 81.8 65.9 98.9
98 47.5 39.6 59.4



#40
Benzene
Concen: 5.002 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW012952.D
Acq: 13 Sep 2019 14:05

Tgt Ion: 78 Resp: 46474
Ion Ratio Lower Upper
78 100
77 22.7 19.6 29.4

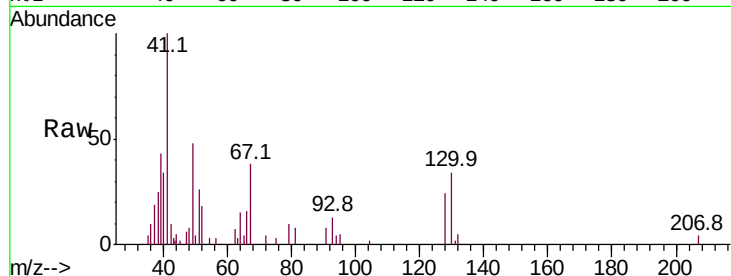




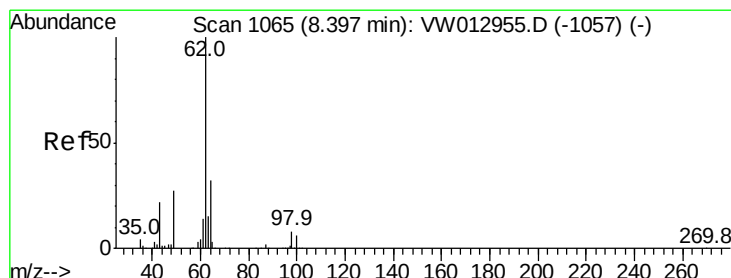
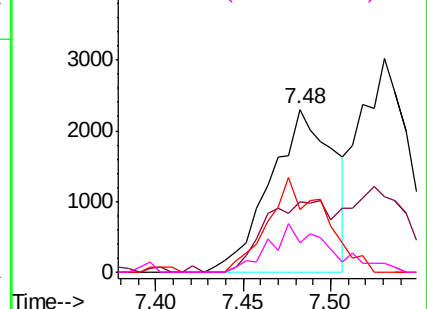
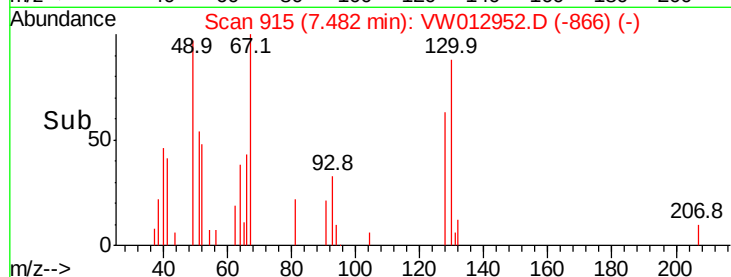
#41
Methacrylonitrile
Concen: 5.004 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW012952.D
Acq: 13 Sep 2019 14:05

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 41 Resp: 5822
Ion Ratio Lower Upper
41 100
39 44.5 48.2 72.4#
67 51.7 47.5 71.3
52 28.3 21.0 31.4

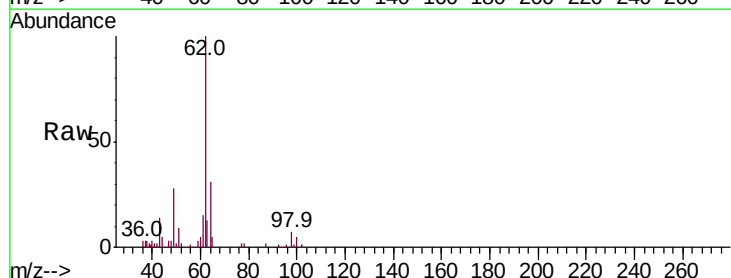


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

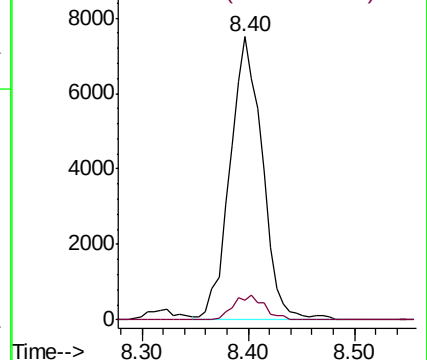
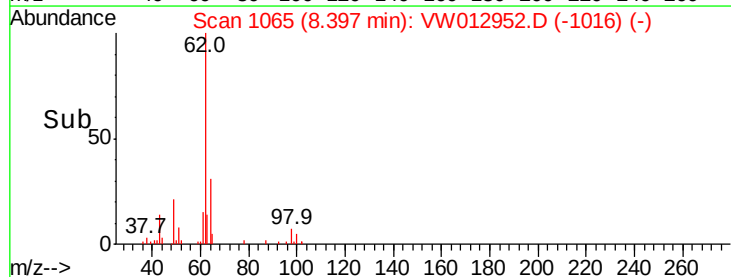


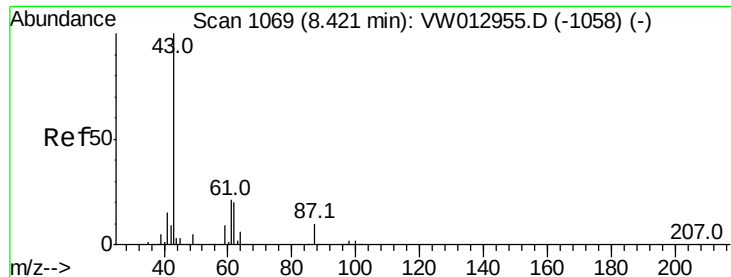
#42
1,2-Dichloroethane
Concen: 5.143 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012952.D
Acq: 13 Sep 2019 14:05

Tgt Ion: 62 Resp: 16019
Ion Ratio Lower Upper
62 100
98 8.3 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: 4.826 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012952.D

Acq: 13 Sep 2019 14:05

Instrument :

MSVOA_W

ClientSampleId :

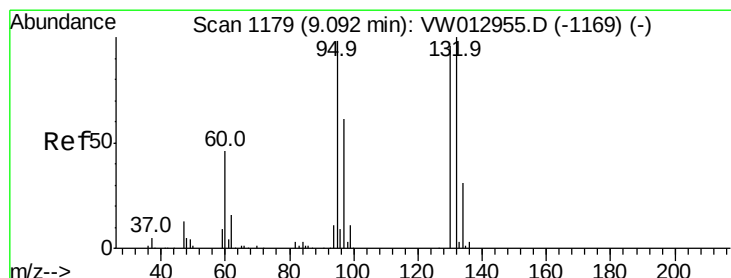
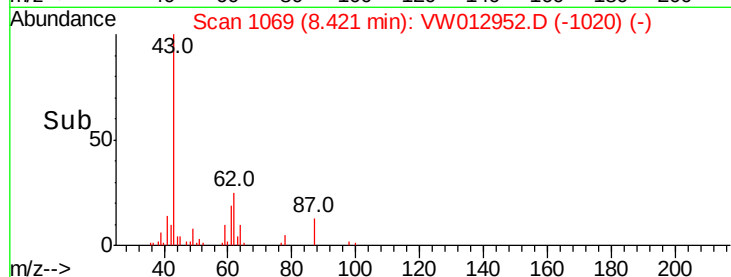
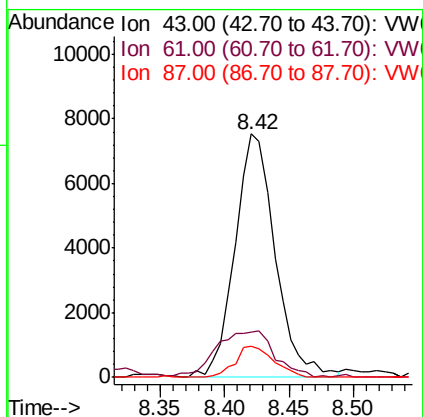
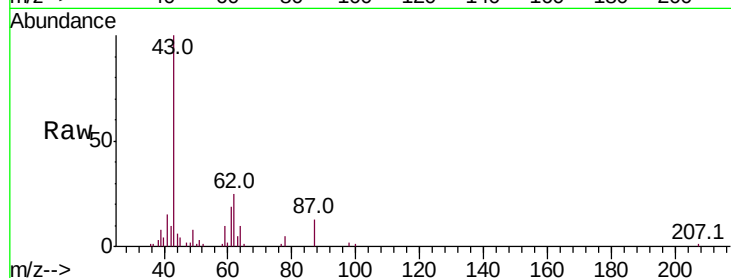
Tot Ion: 43 Resp: 16371

Ion Ratio Lower Upper

43 100

61 27.9 22.7 34.1

87 12.1 9.4 14.2



#44

Trichloroethene

Concen: 5.080 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW012952.D

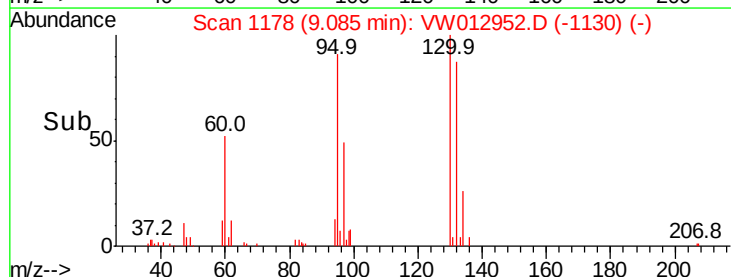
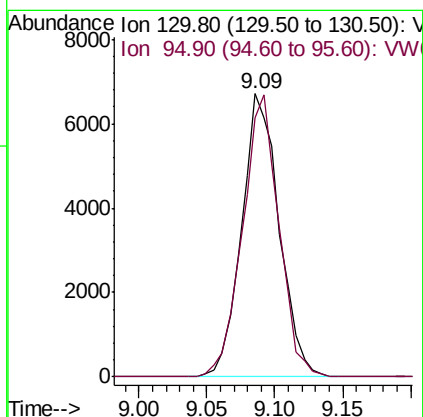
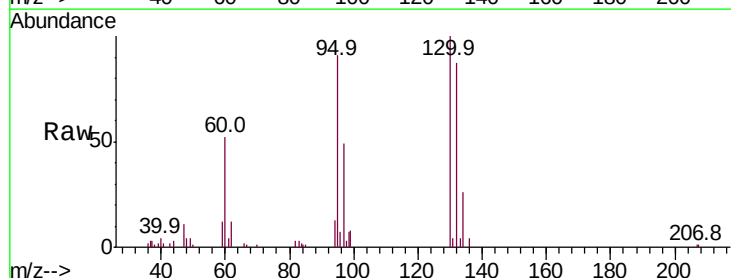
Acq: 13 Sep 2019 14:05

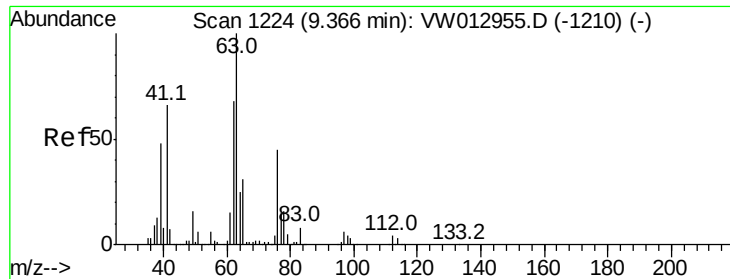
Tgt Ion: 130 Resp: 12930

Ion Ratio Lower Upper

130 100

95 91.4 0.0 204.4

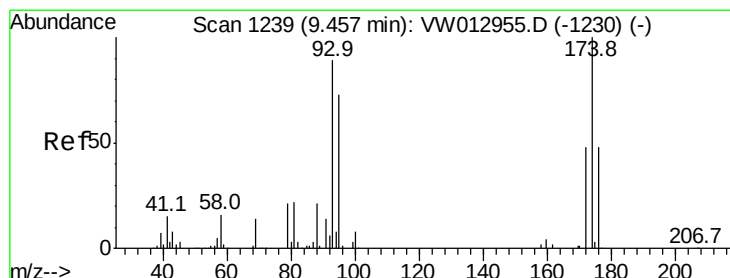
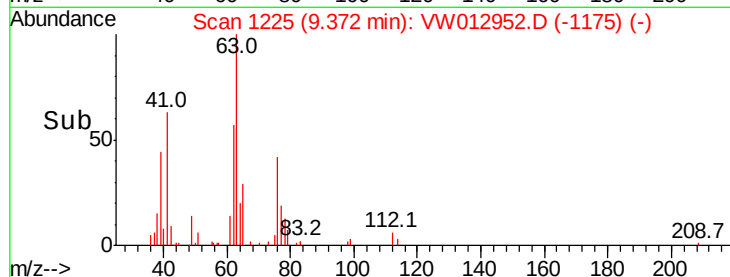
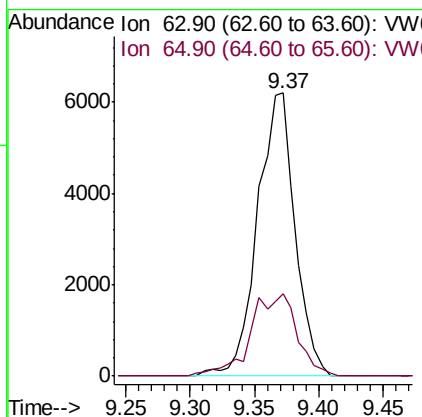
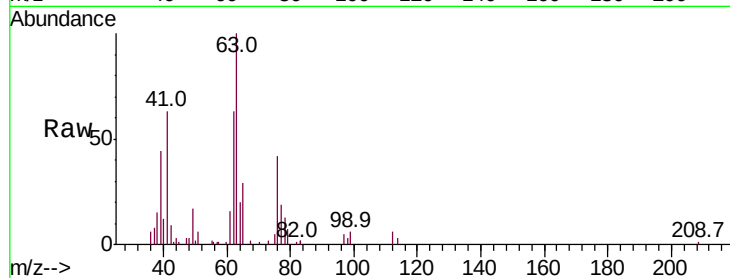




#45
 1,2-Dichloropropane
 Concen: 5.074 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.01 min
 Lab File: VW012952.D
 Acq: 13 Sep 2019 14:05

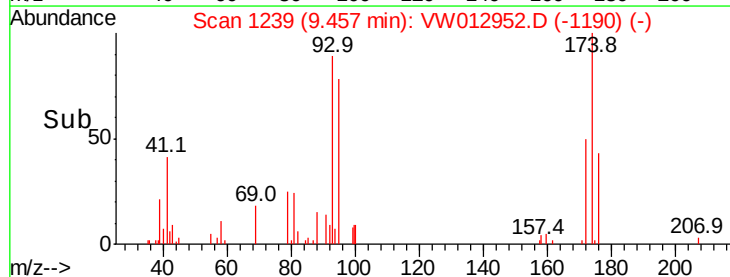
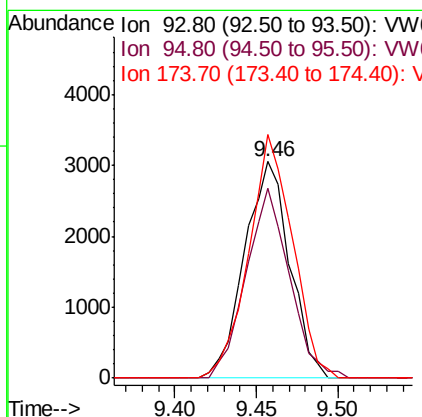
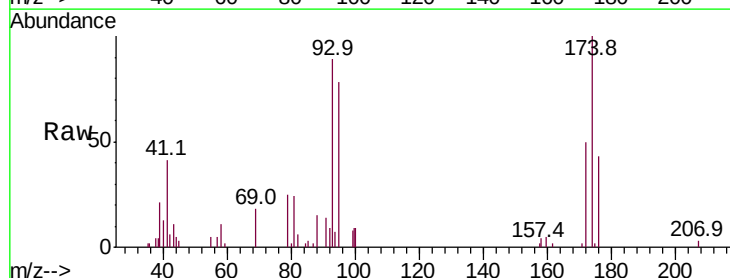
Instrument :
 MSVOA_W
 ClientSampleId :

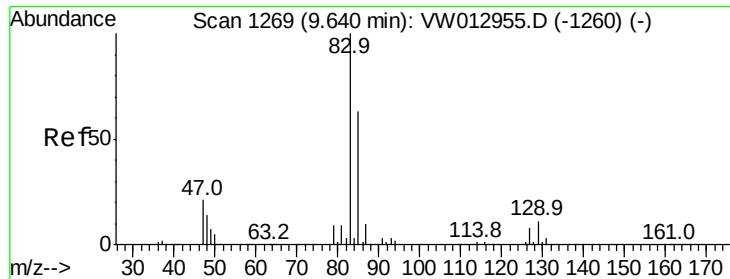
Tot Ion: 63 Resp: 12526
 Ion Ratio Lower Upper
 63 100
 65 29.1 24.6 37.0



#46
 Dibromomethane
 Concen: 4.962 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW012952.D
 Acq: 13 Sep 2019 14:05

Tgt Ion: 93 Resp: 5869
 Ion Ratio Lower Upper
 93 100
 95 84.4 67.0 100.4
 174 108.6 90.5 135.7

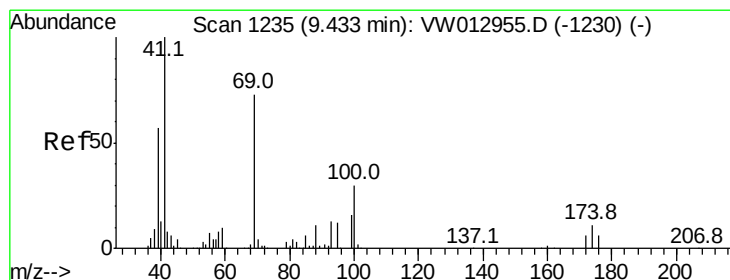
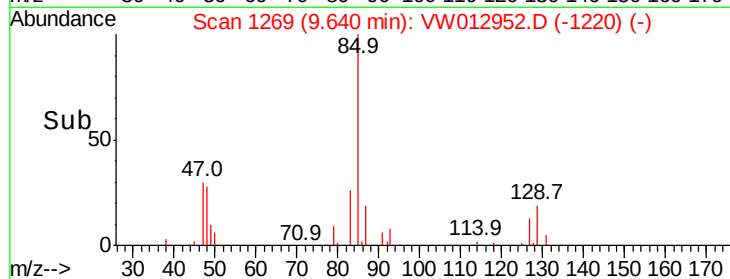
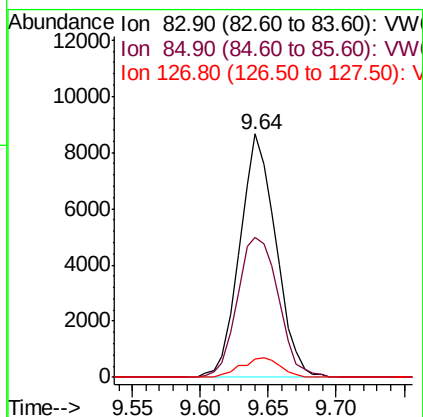
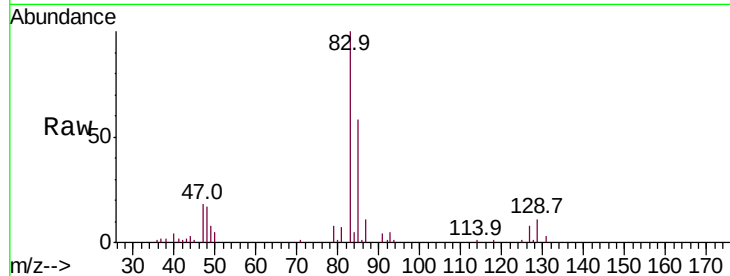




#47
 Bromodichloromethane
 Concen: 4.831 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW012952.D
 Acq: 13 Sep 2019 14:05

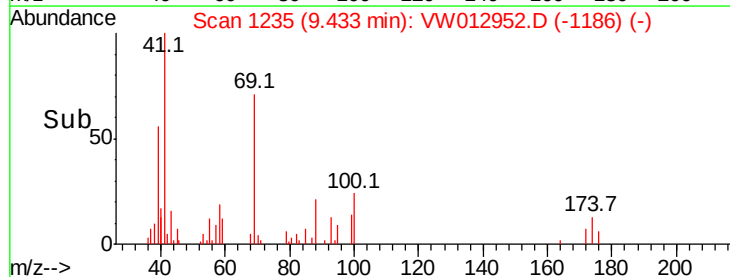
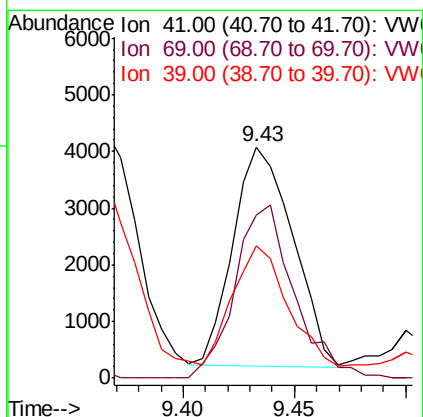
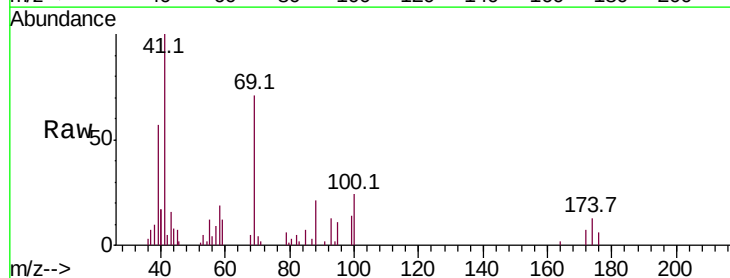
Instrument :
 MSVOA_W
 ClientSampleId :

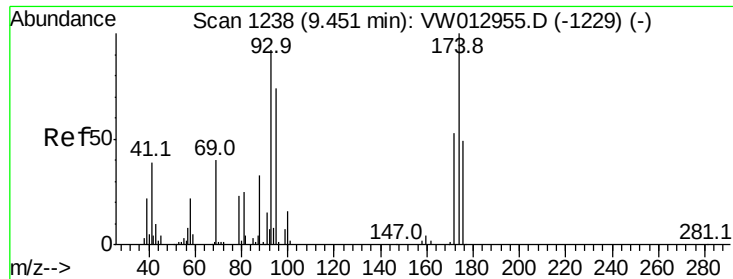
Tot Ion	83	Resp	16027
Ion Ratio	100		
Lower	50.6		
Upper	75.8		
85	57.5		
127	7.6		



#48
 Methyl methacrylate
 Concen: 4.538 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. -0.00 min
 Lab File: VW012952.D
 Acq: 13 Sep 2019 14:05

Tgt Ion	41	Resp	7224
Ion Ratio	100		
Lower	62.8		
Upper	94.2		
69	78.3		
39	61.7		

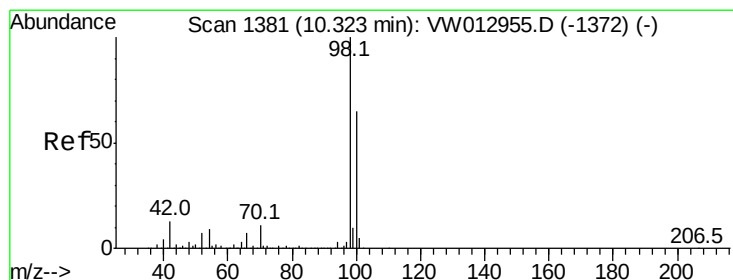
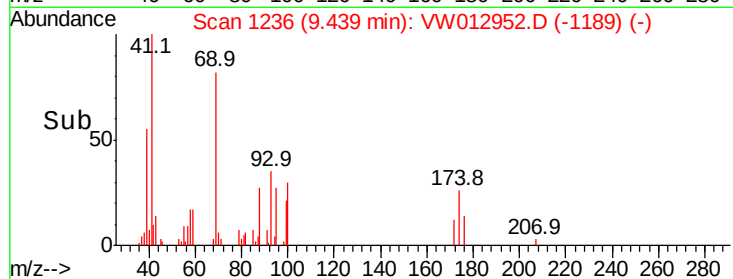
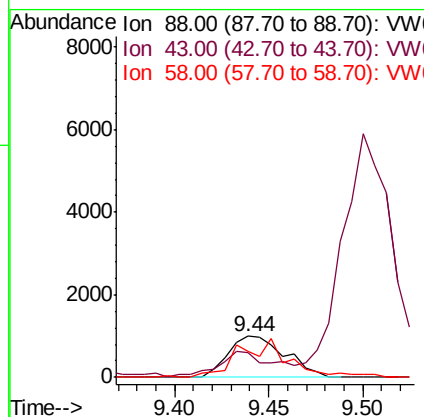
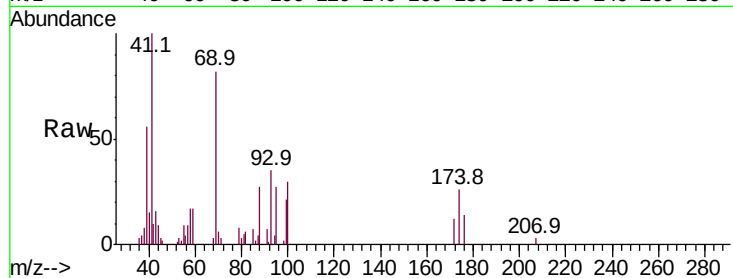




#49
1,4-Dioxane
Concen: 104.704 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.01 min
Lab File: VW012952.D
Acq: 13 Sep 2019 14:05

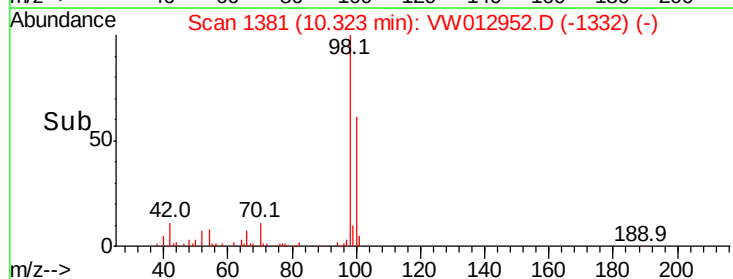
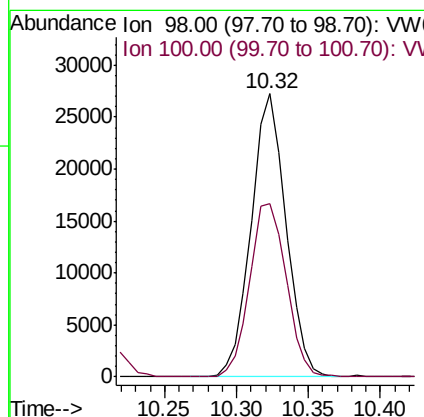
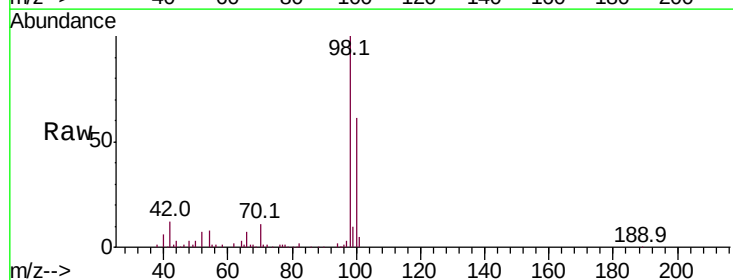
Instrument :
MSVOA_W
ClientSampleId :

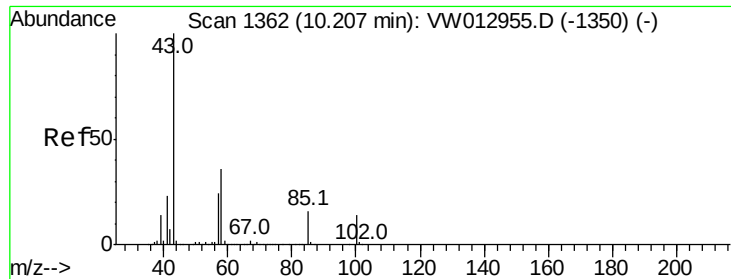
Tot Ion: 88 Resp: 2075
Ion Ratio Lower Upper
88 100
43 62.4 31.3 46.9#
58 41.6 60.2 90.2#



#50
Toluene-d8
Concen: 5.149 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012952.D
Acq: 13 Sep 2019 14:05

Tgt Ion: 98 Resp: 45535
Ion Ratio Lower Upper
98 100
100 64.9 52.1 78.1

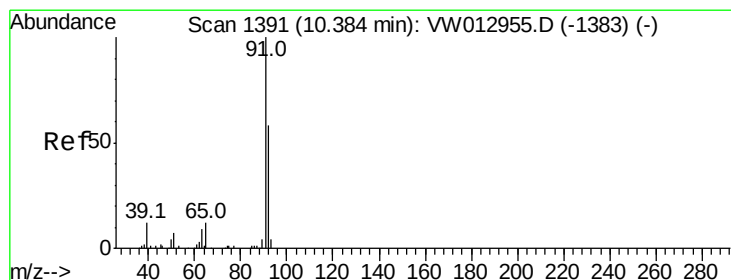
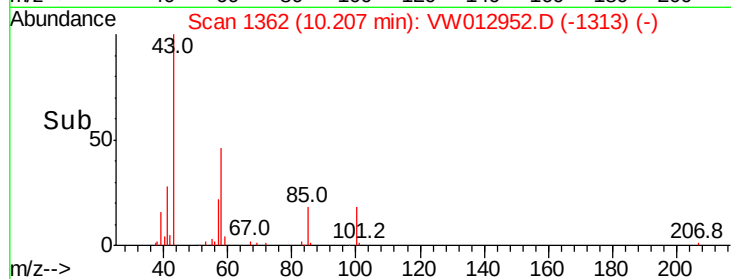
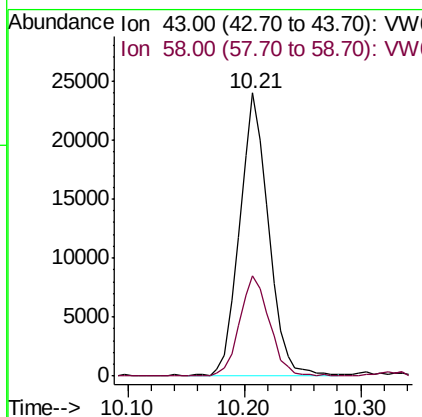
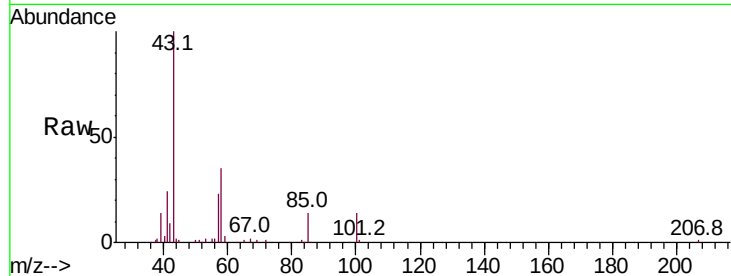




#51
4-Methyl-2-Pentanone
Concen: 23.825 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VW012952.D
Acq: 13 Sep 2019 14:05

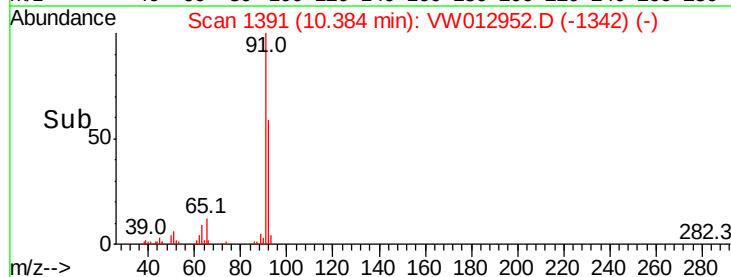
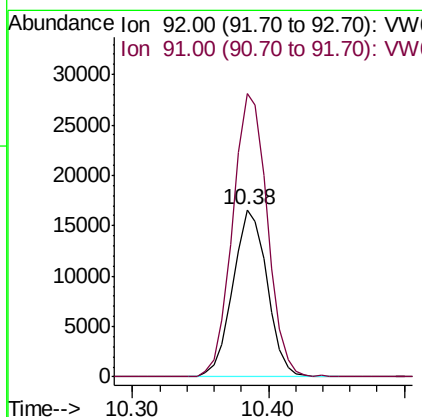
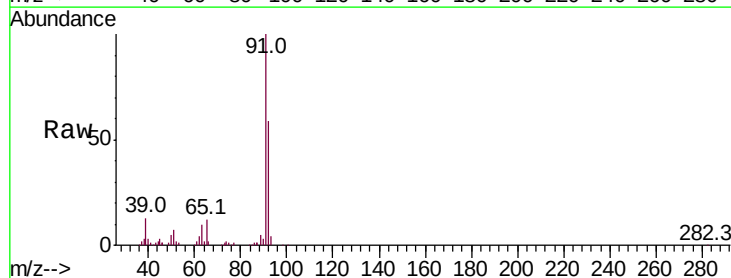
Instrument :
MSVOA_W
ClientSampled :

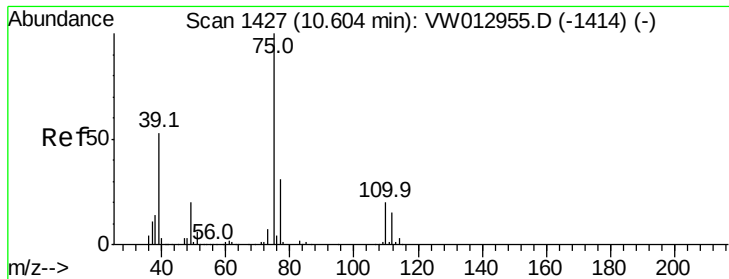
Tot Ion: 43 Resp: 41723
Ion Ratio Lower Upper
43 100
58 36.3 29.5 44.3



#52
Toluene
Concen: 4.934 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VW012952.D
Acq: 13 Sep 2019 14:05

Tgt Ion: 92 Resp: 29133
Ion Ratio Lower Upper
92 100
91 172.0 137.5 206.3





#53

t-1,3-Dichloropropene

Concen: 4.766 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW012952.D

Acq: 13 Sep 2019 14:05

Instrument :

MSVOA_W

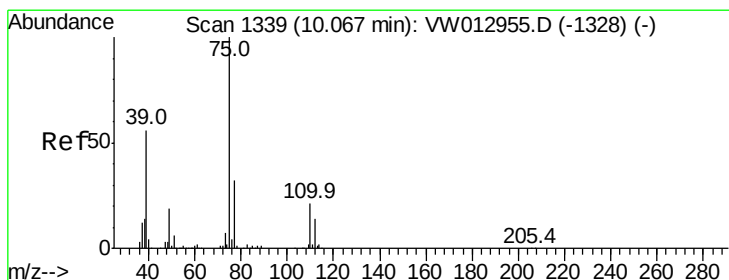
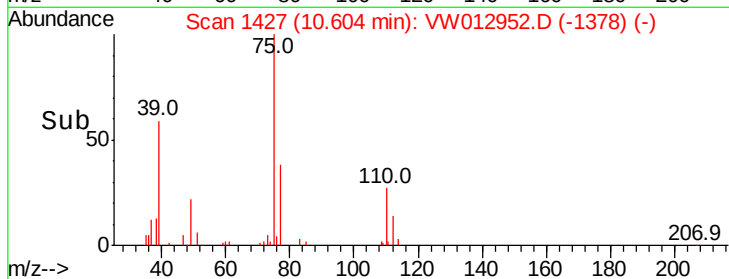
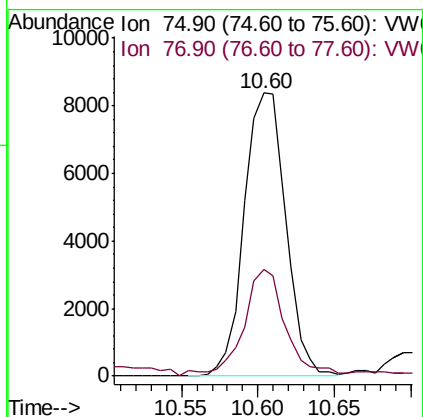
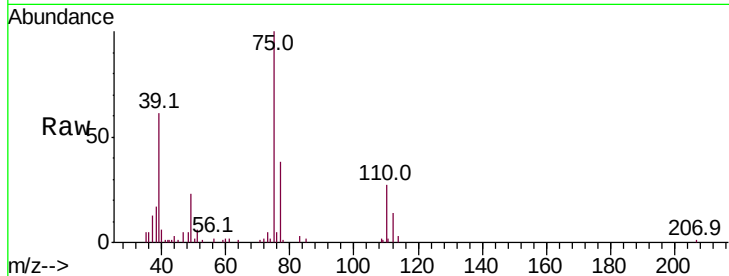
ClientSampleId :

Tot Ion: 75 Resp: 15901

Ion Ratio Lower Upper

75 100

77 36.5 24.6 37.0



#54

cis-1,3-Dichloropropene

Concen: 4.694 ug/l

RT: 10.07 min Scan# 1339

Delta R.T. -0.00 min

Lab File: VW012952.D

Acq: 13 Sep 2019 14:05

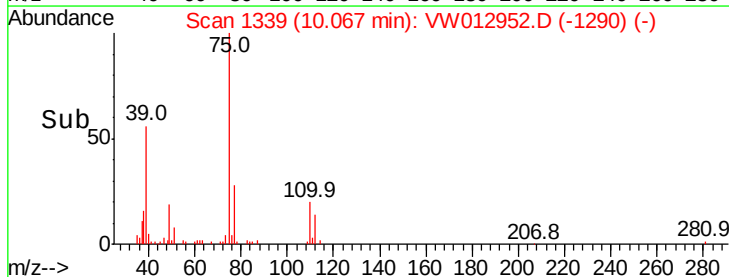
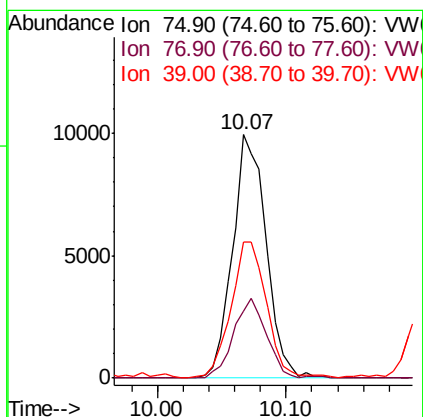
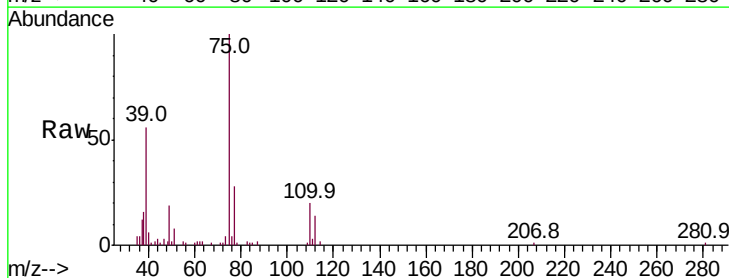
Tgt Ion: 75 Resp: 17919

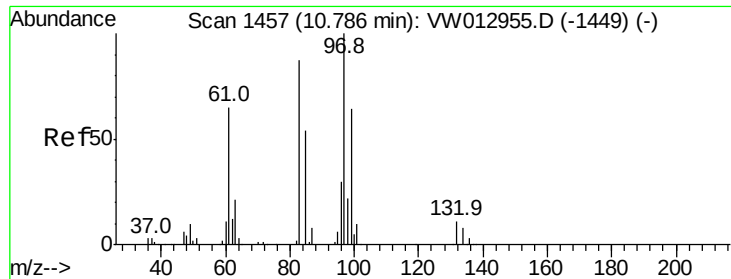
Ion Ratio Lower Upper

75 100

77 27.6 25.5 38.3

39 56.1 45.0 67.6





#55

1,1,2-Trichloroethane

Concen: 5.065 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW012952.D

Acq: 13 Sep 2019 14:05

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 9125

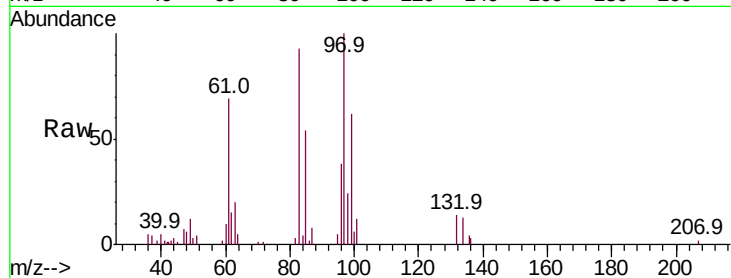
Ion	Ratio	Lower	Upper
97	100		
83	92.8	69.4	104.0
85	54.1	43.3	64.9
99	62.0	50.9	76.3

97 100

83 92.8 69.4 104.0

85 54.1 43.3 64.9

99 62.0 50.9 76.3



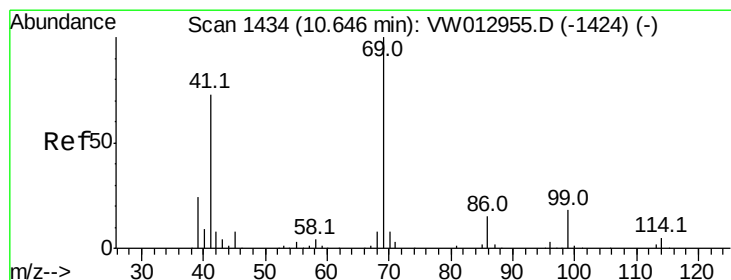
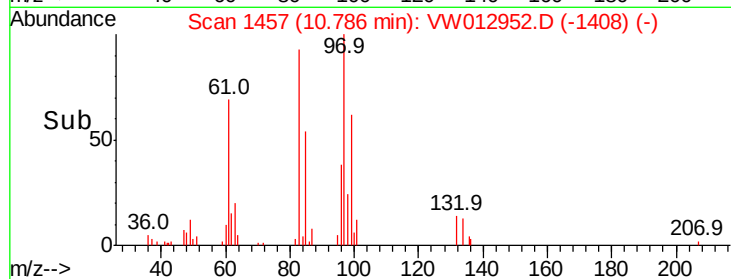
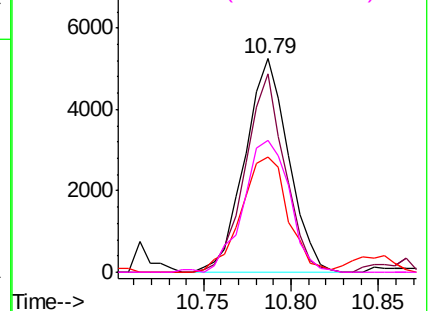
Abundance

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: 4.437 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW012952.D

Acq: 13 Sep 2019 14:05

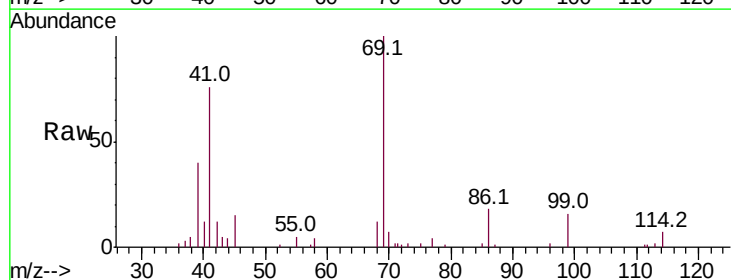
Tgt Ion: 69 Resp: 10760

Ion	Ratio	Lower	Upper
69	100		
41	78.6	60.8	91.2
39	44.1	29.4	44.0#

69 100

41 78.6 60.8 91.2

39 44.1 29.4 44.0#

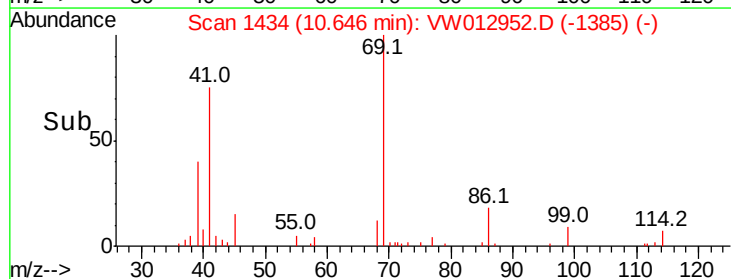
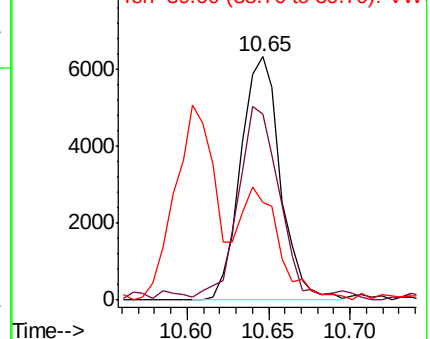


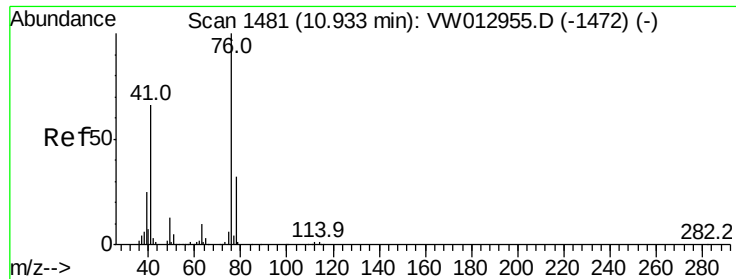
Abundance

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: 5.034 ug/l

RT: 10.93 min Scan# 1480

Delta R.T. -0.01 min

Lab File: VW012952.D

Acq: 13 Sep 2019 14:05

Instrument :

MSVOA_W

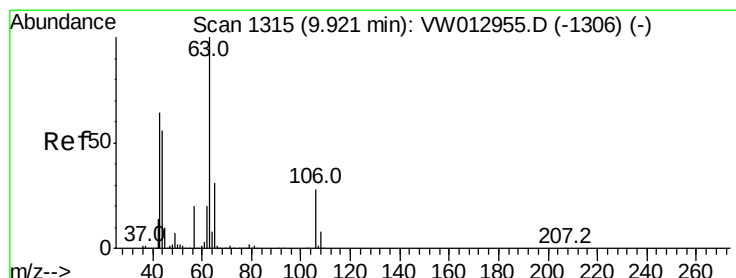
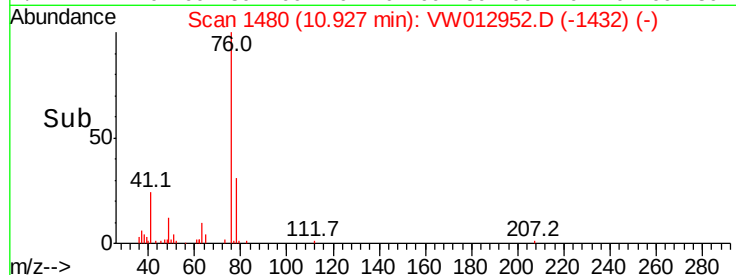
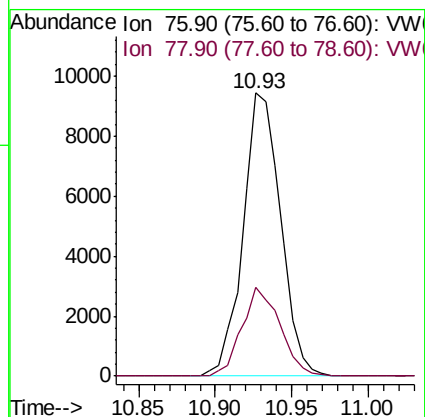
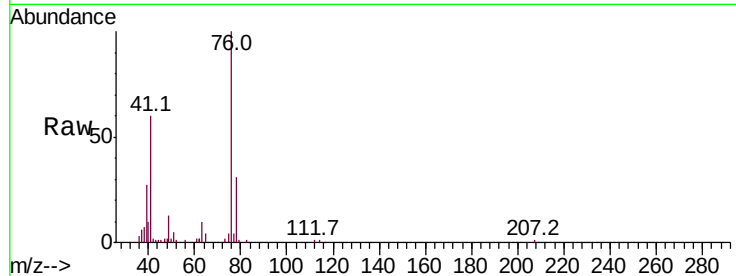
ClientSampled :

Tot Ion: 76 Resp: 16090

Ion Ratio Lower Upper

76 100

78 31.9 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 23.595 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW012952.D

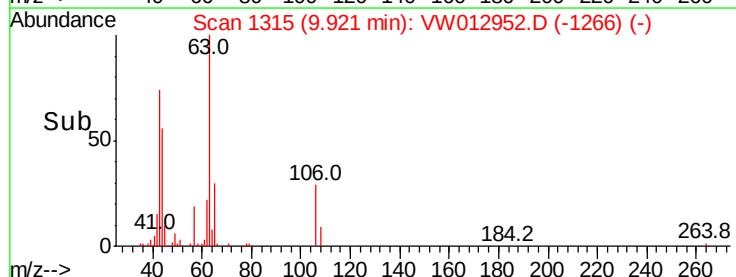
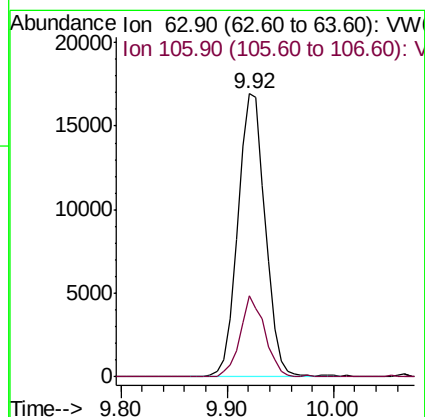
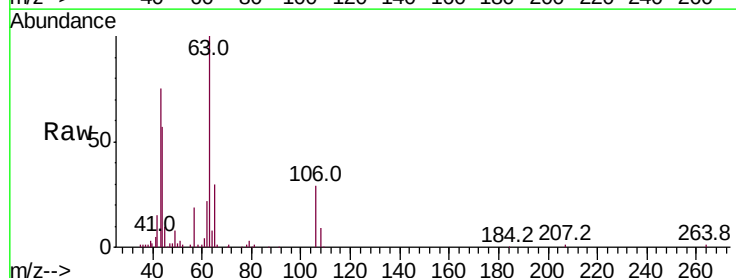
Acq: 13 Sep 2019 14:05

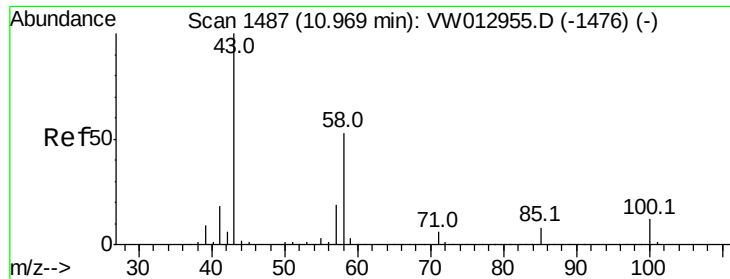
Tgt Ion: 63 Resp: 30696

Ion Ratio Lower Upper

63 100

106 25.8 22.2 33.2

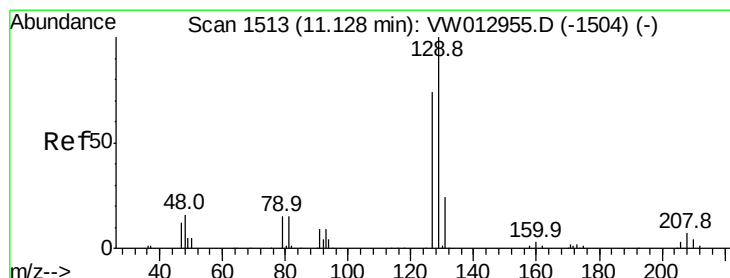
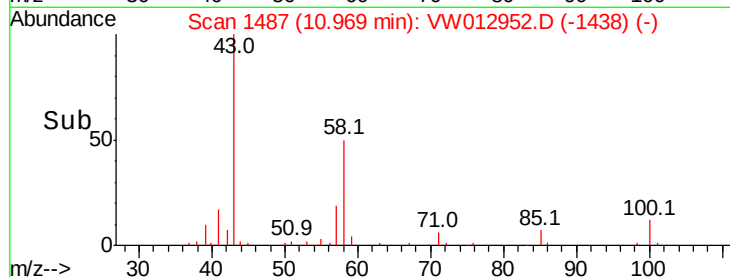
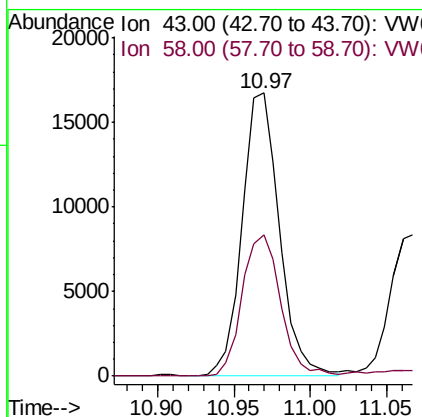
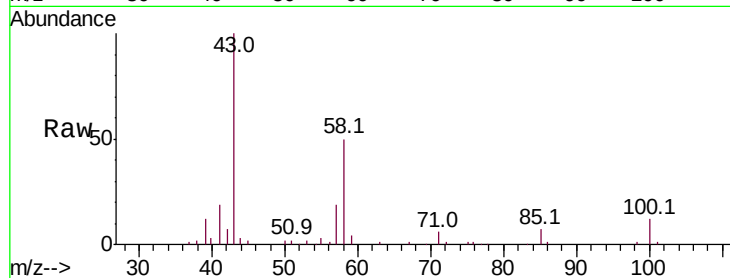




#59
2-Hexanone
Concen: 23.263 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012952.D
Acq: 13 Sep 2019 14:05

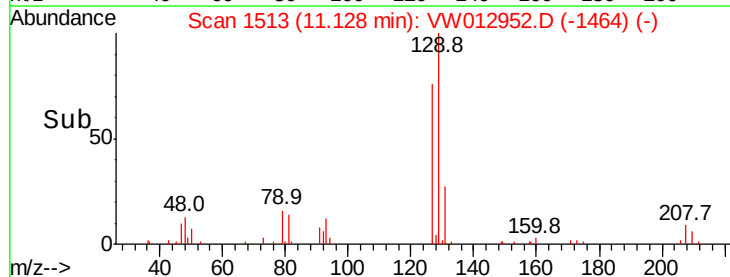
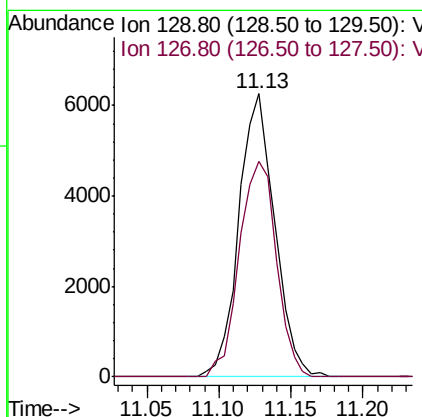
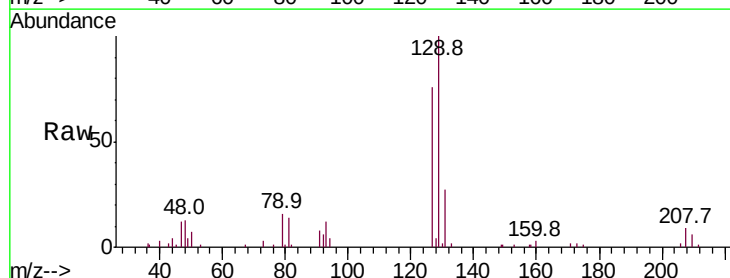
Instrument :
MSVOA_W
ClientSampled :

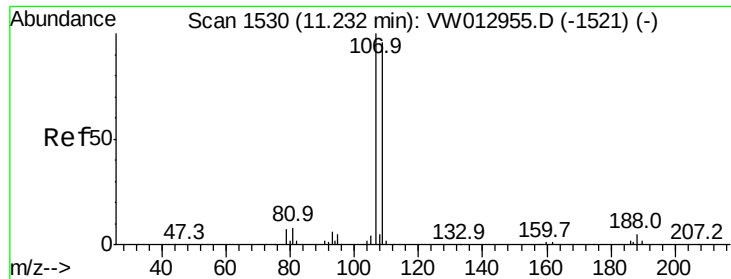
Tot Ion: 43 Resp: 28367
Ion Ratio Lower Upper
43 100
58 51.5 25.8 77.3



#60
Dibromochloromethane
Concen: 4.954 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012952.D
Acq: 13 Sep 2019 14:05

Tgt Ion: 129 Resp: 10792
Ion Ratio Lower Upper
129 100
127 79.1 37.4 112.2

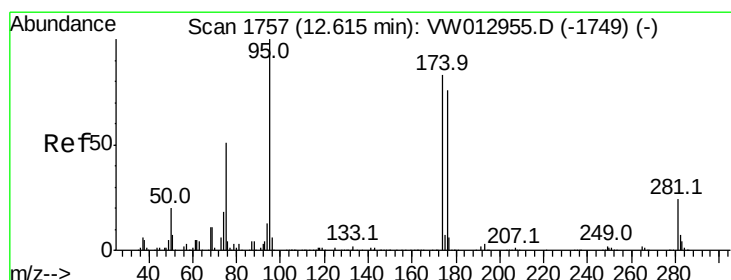
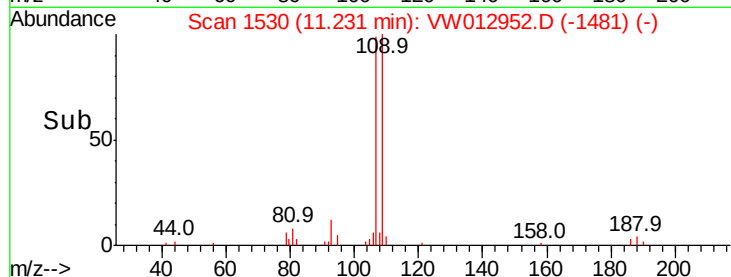
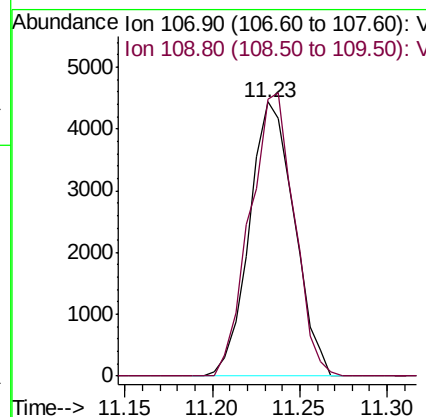
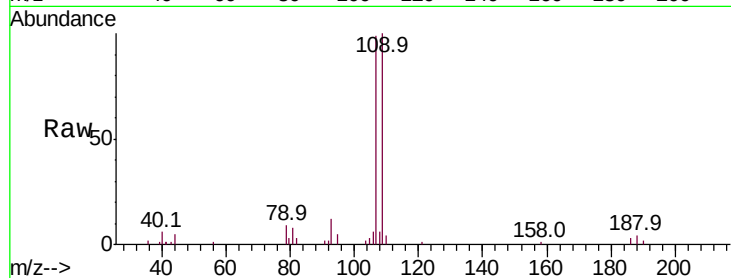




#61
 1,2-Dibromoethane
 Concen: 4.832 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW012952.D
 Acq: 13 Sep 2019 14:05

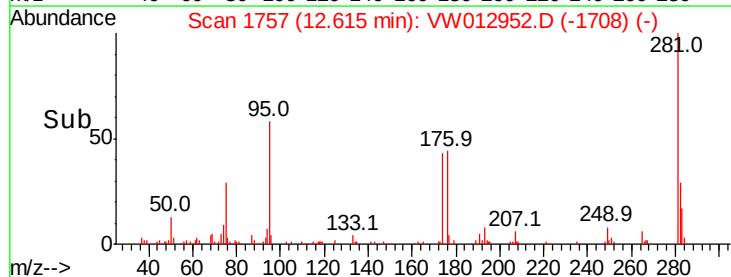
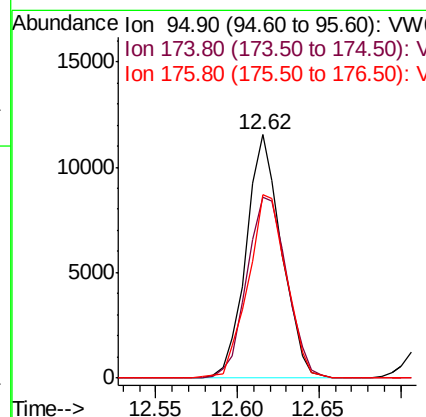
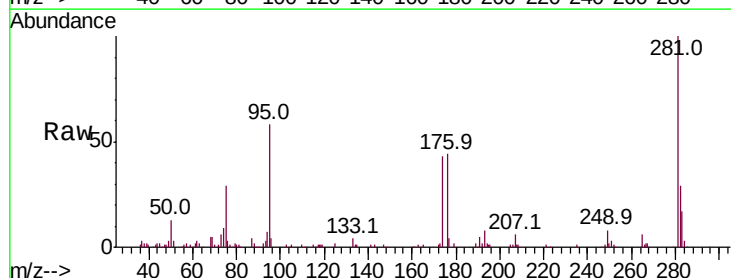
Instrument :
 MSVOA_W
 ClientSampled :

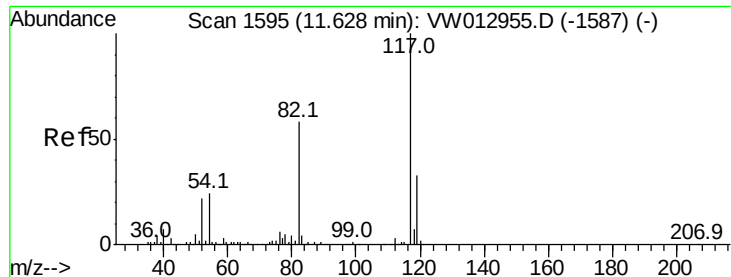
Tot Ion:107 Resp: 7942
 Ion Ratio Lower Upper
 107 100
 109 101.5 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 5.491 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW012952.D
 Acq: 13 Sep 2019 14:05

Tgt Ion: 95 Resp: 17461
 Ion Ratio Lower Upper
 95 100
 174 84.2 0.0 170.4
 176 81.8 0.0 164.6

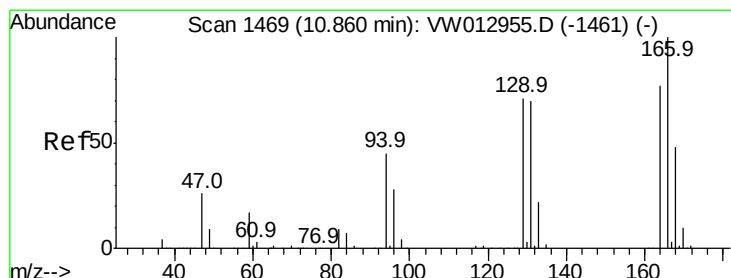
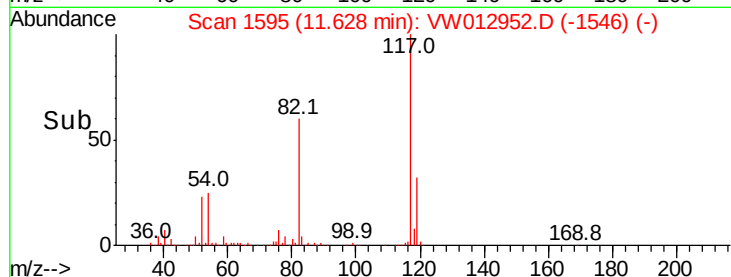
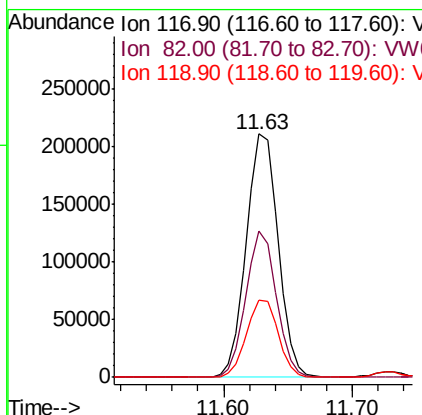
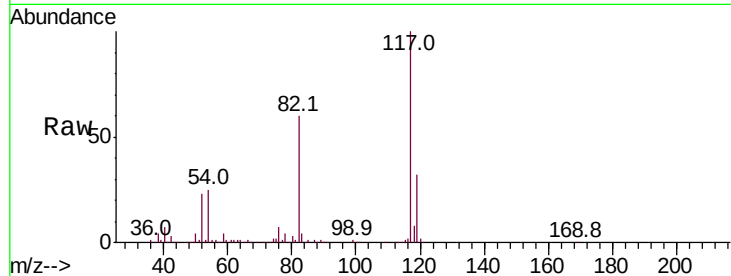




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW012952.D
Acq: 13 Sep 2019 14:05

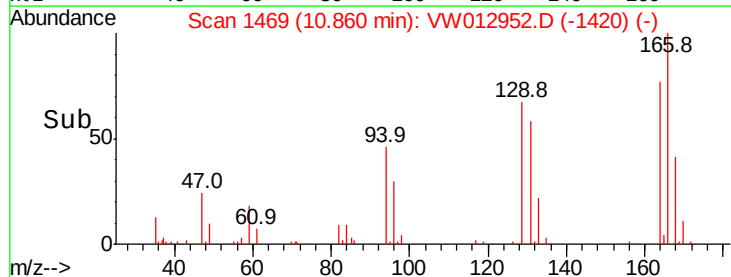
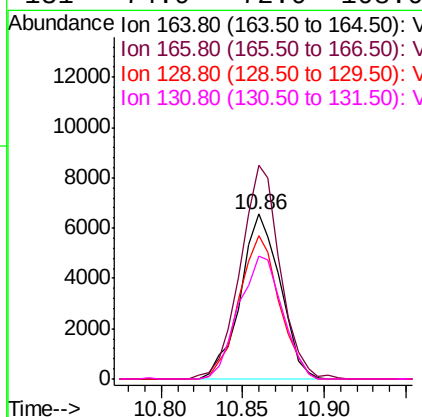
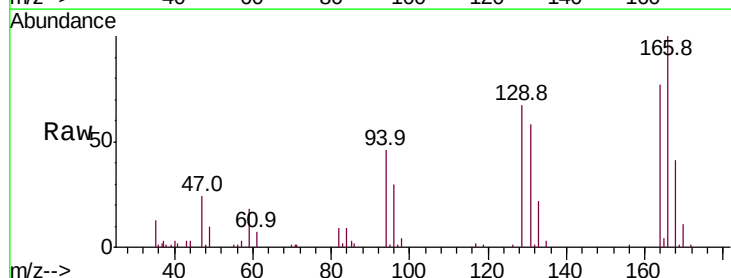
Instrument :
MSVOA_W
ClientSampleId :

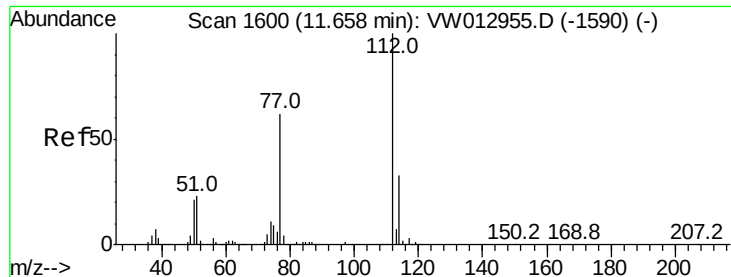
Tot Ion:117 Resp: 360021
Ion Ratio Lower Upper
117 100
82 59.9 46.3 69.5
119 31.8 26.2 39.4



#64
Tetrachloroethene
Concen: 5.197 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012952.D
Acq: 13 Sep 2019 14:05

Tgt Ion:164 Resp: 11131
Ion Ratio Lower Upper
164 100
166 129.8 103.3 154.9
129 87.0 73.8 110.8
131 74.9 72.0 108.0





#65

Chlorobenzene

Concen: 5.392 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW012952.D

Acq: 13 Sep 2019 14:05

Instrument :

MSVOA_W

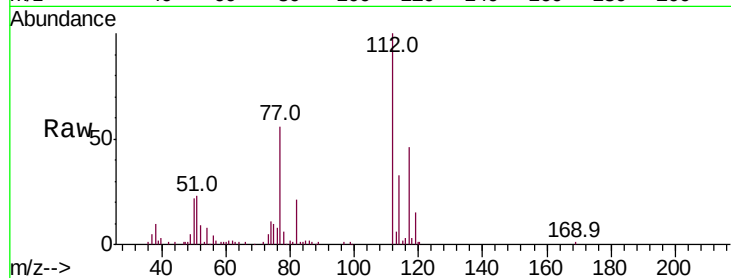
ClientSampleId :

Tot Ion:112 Resp: 34575

Ion Ratio Lower Upper

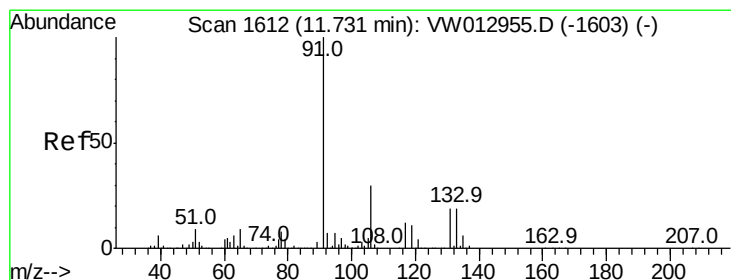
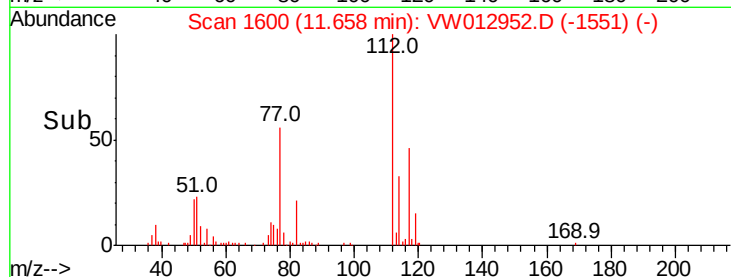
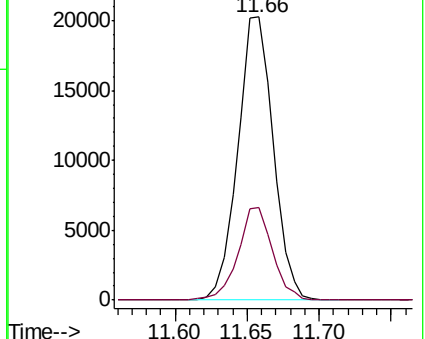
112 100

114 32.6 26.4 39.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 5.226 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW012952.D

Acq: 13 Sep 2019 14:05

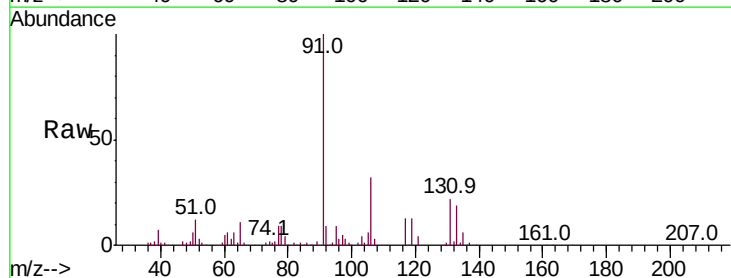
Tgt Ion:131 Resp: 12842

Ion Ratio Lower Upper

131 100

133 90.4 47.9 143.8

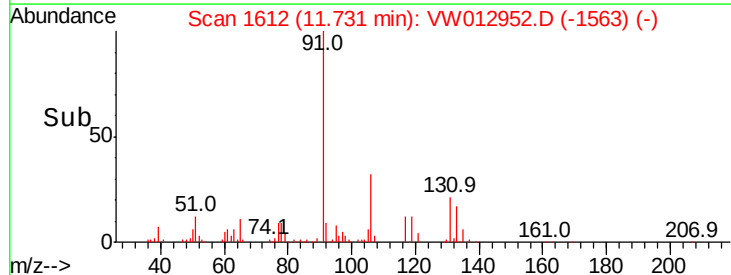
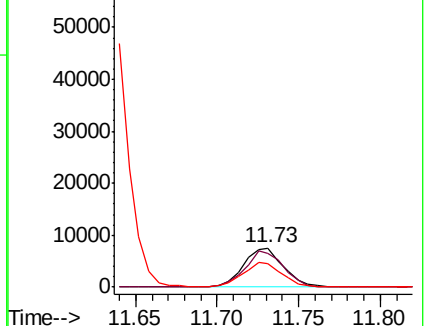
119 62.6 30.9 92.7

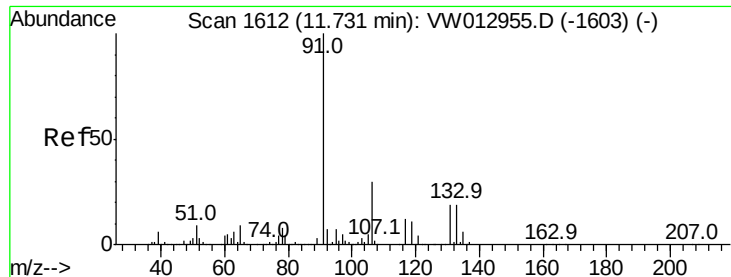


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 5.013 ug/l

RT: 11.73 min Scan# 1611

Delta R.T. -0.01 min

Lab File: VW012952.D

Acq: 13 Sep 2019 14:05

Instrument :

MSVOA_W

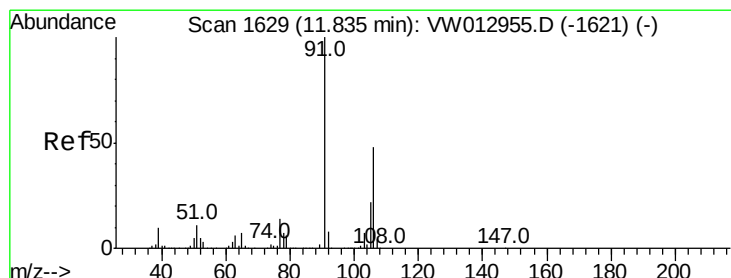
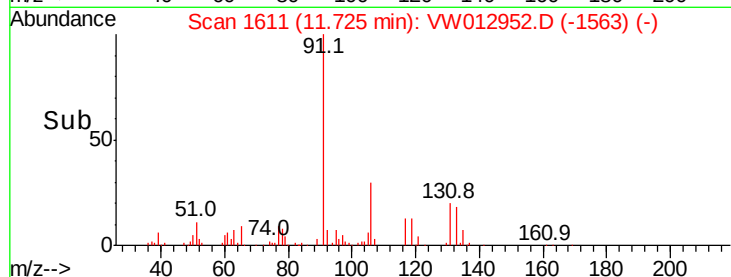
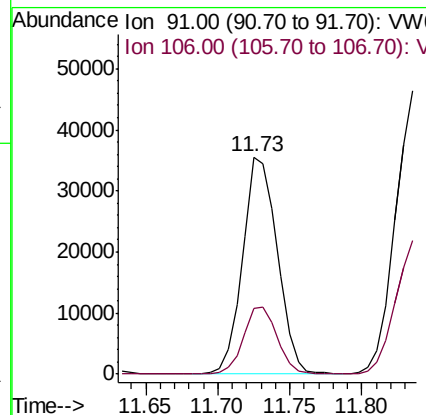
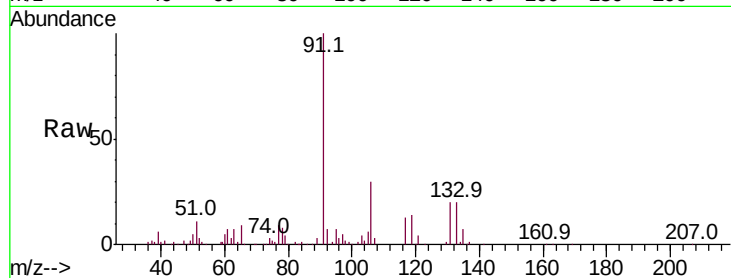
ClientSampleId :

Tot Ion: 91 Resp: 59373

Ion Ratio Lower Upper

91 100

106 30.3 24.3 36.5



#68

m/p-Xylenes

Concen: 9.775 ug/l

RT: 11.84 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VW012952.D

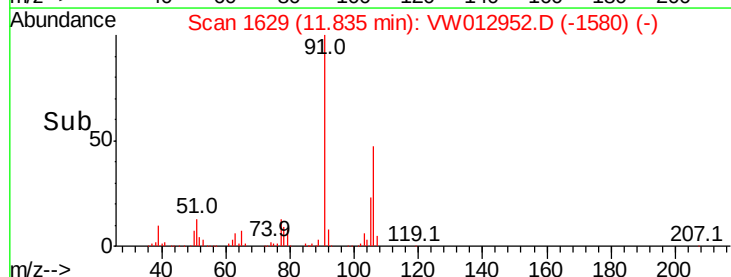
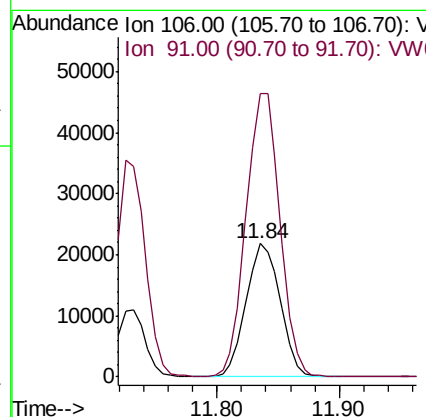
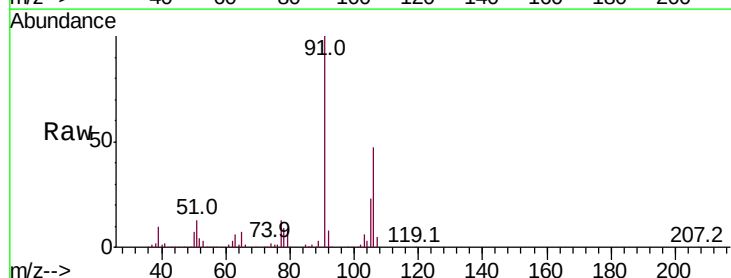
Acq: 13 Sep 2019 14:05

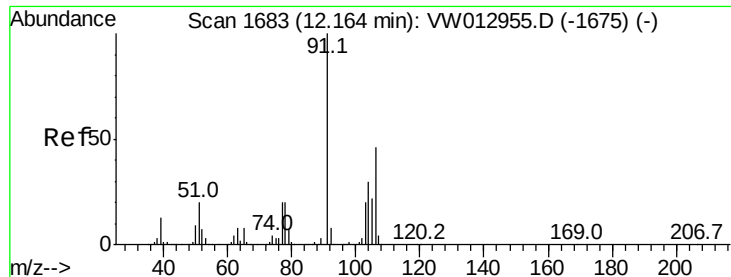
Tgt Ion: 106 Resp: 42295

Ion Ratio Lower Upper

106 100

91 212.3 165.8 248.8

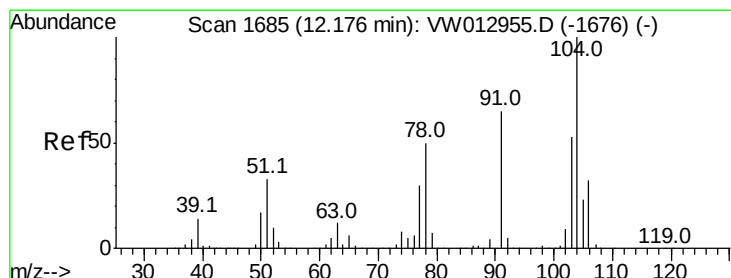
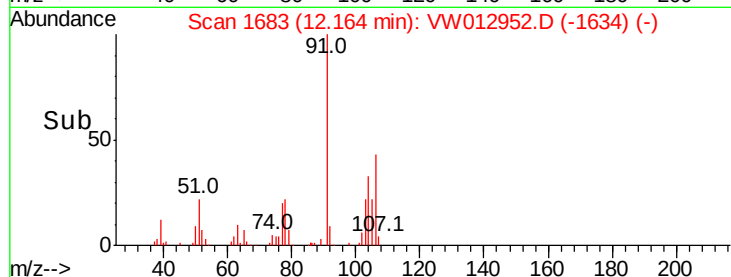
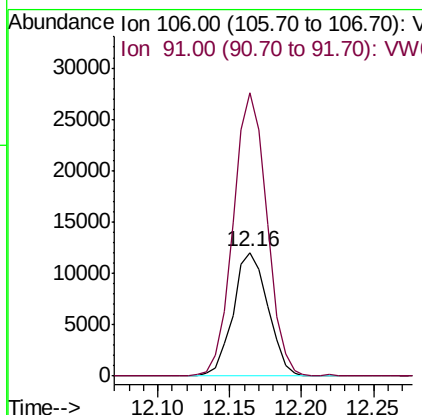
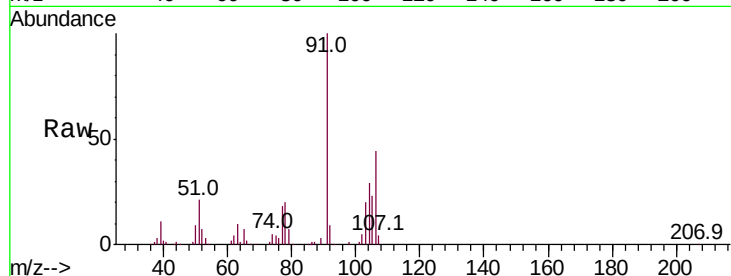




#69
o-Xylene
Concen: 4.986 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012952.D
Acq: 13 Sep 2019 14:05

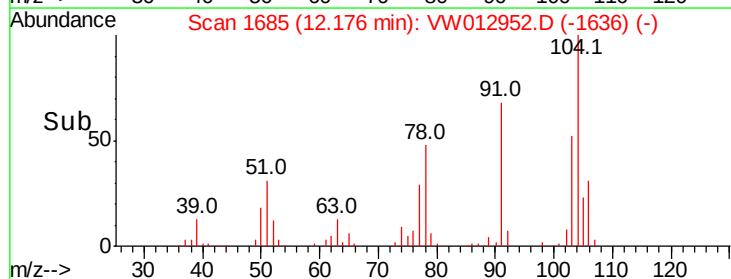
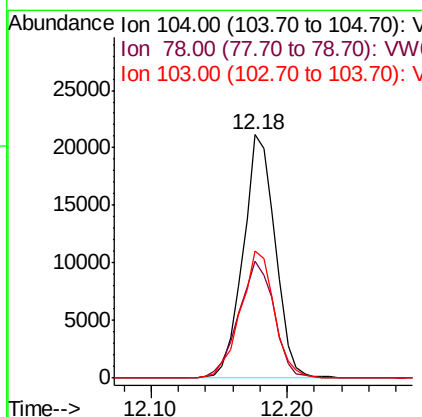
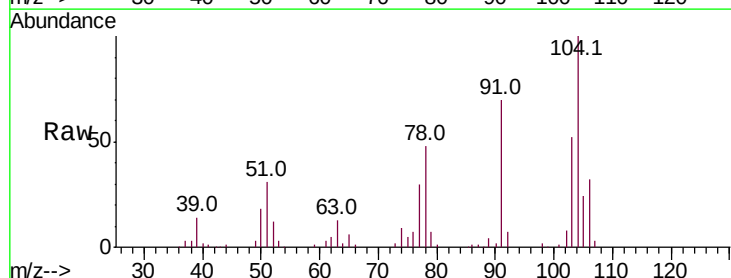
Instrument :
MSVOA_W
ClientSampled :

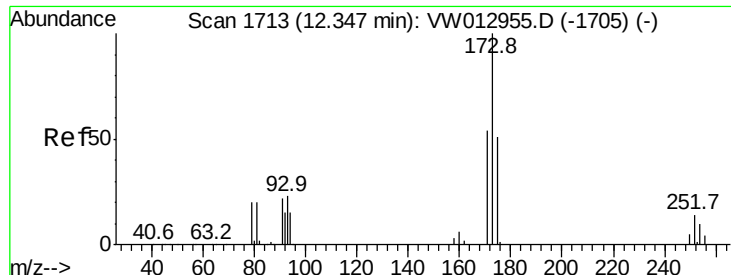
Tot Ion:106 Resp: 20226
Ion Ratio Lower Upper
106 100
91 222.6 109.7 329.0



#70
Styrene
Concen: 4.848 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW012952.D
Acq: 13 Sep 2019 14:05

Tgt Ion:104 Resp: 34980
Ion Ratio Lower Upper
104 100
78 53.0 42.1 63.1
103 54.6 44.2 66.4

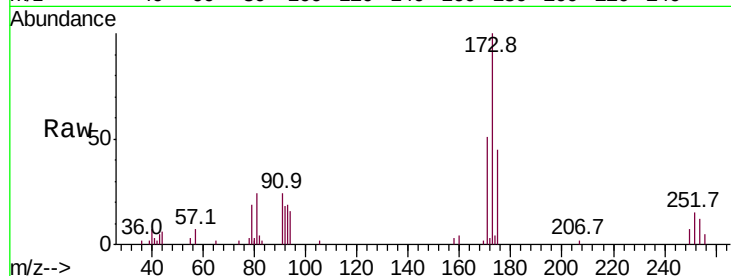




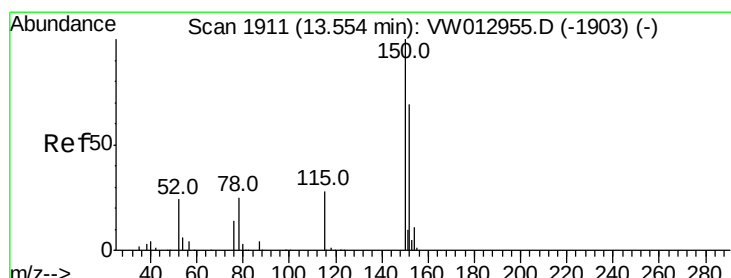
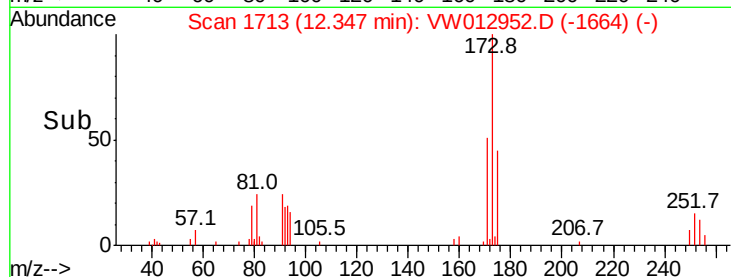
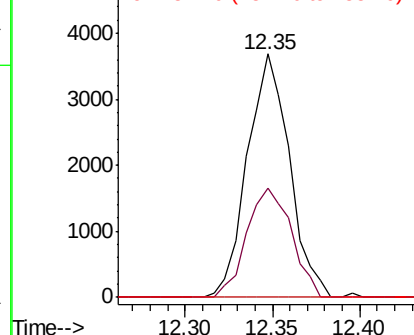
#71
Bromoform
Concen: 4.770 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW012952.D
Acq: 13 Sep 2019 14:05

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:173 Resp: 6157
Ion Ratio Lower Upper
173 100
175 47.6 24.2 72.6
254 0.0 0.1 0.1#

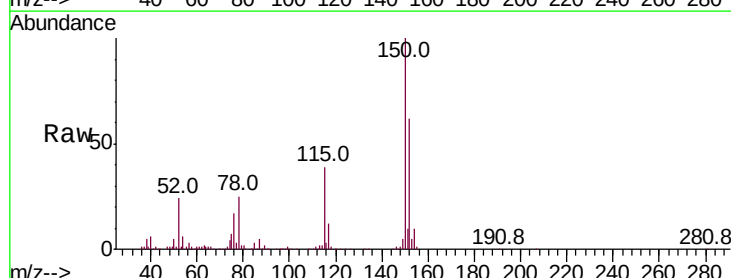


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

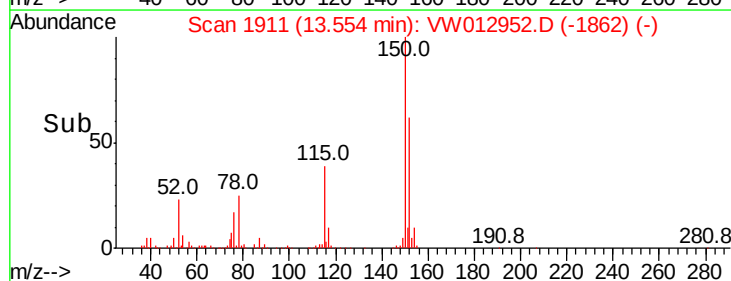
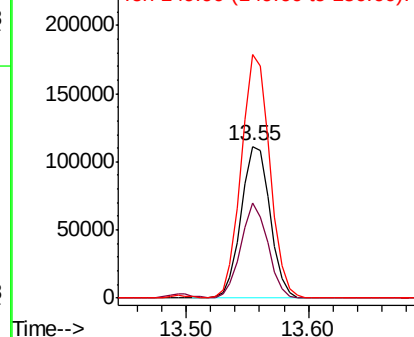


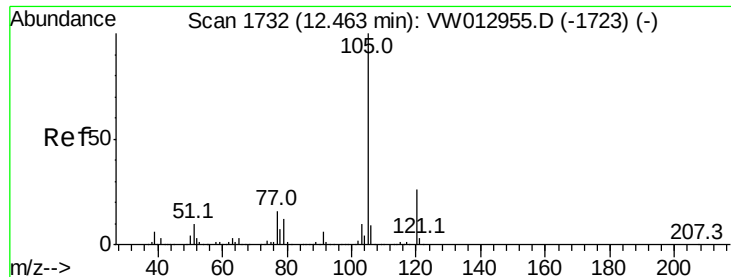
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.00 min
Lab File: VW012952.D
Acq: 13 Sep 2019 14:05

Tgt Ion:152 Resp: 180953
Ion Ratio Lower Upper
152 100
115 58.7 28.8 86.4
150 159.5 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: 4.907 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012952.D

Acq: 13 Sep 2019 14:05

Instrument :

MSVOA_W

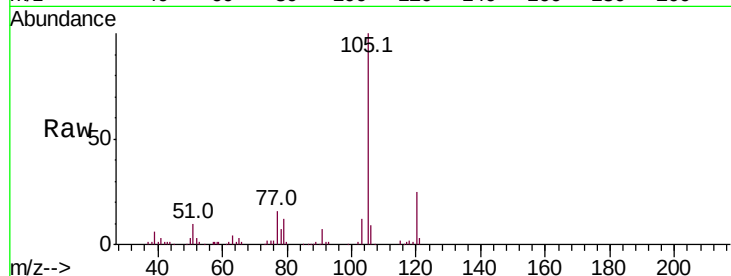
ClientSampleId :

Tot Ion:105 Resp: 58857

Ion Ratio Lower Upper

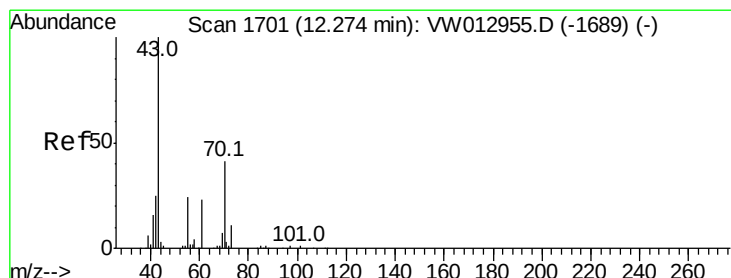
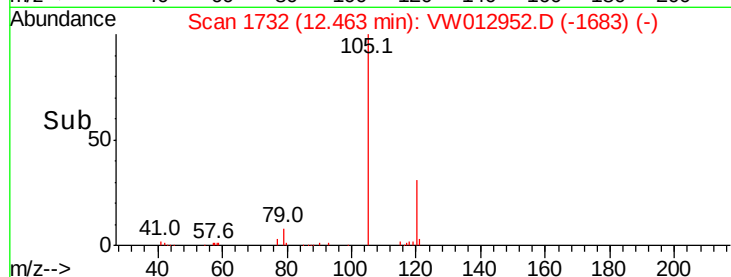
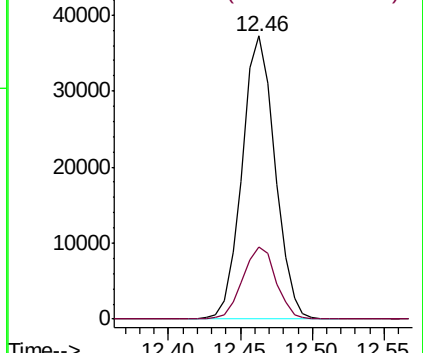
105 100

120 25.8 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 4.713 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. -0.01 min

Lab File: VW012952.D

Acq: 13 Sep 2019 14:05

Tgt Ion: 43 Resp: 14542

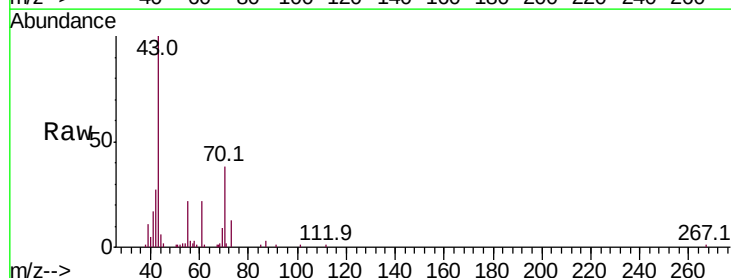
Ion Ratio Lower Upper

43 100

70 36.7 31.7 47.5

55 23.8 19.4 29.2

61 22.9 18.7 28.1

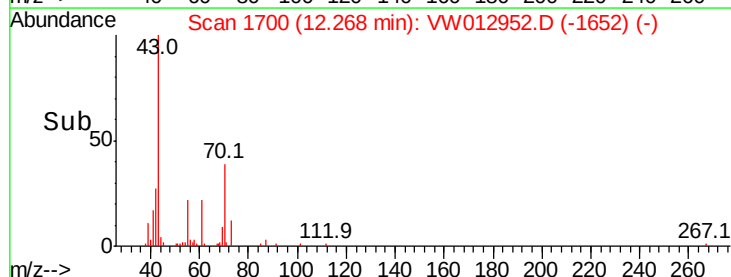
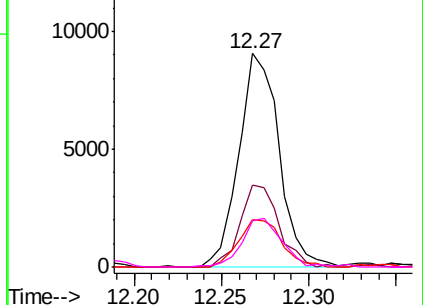


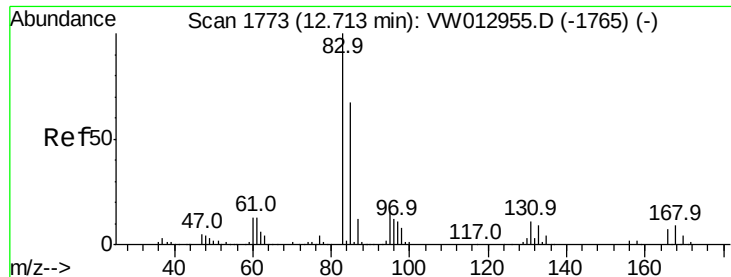
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#75

1,1,2,2-Tetrachloroethane

Concen: 5.050 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012952.D

Acq: 13 Sep 2019 14:05

Instrument :

MSVOA_W

ClientSampleId :

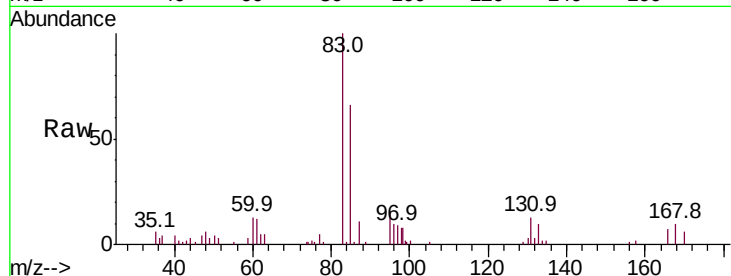
Tot Ion: 83 Resp: 10639

Ion Ratio Lower Upper

83 100

131 11.7 5.7 17.1

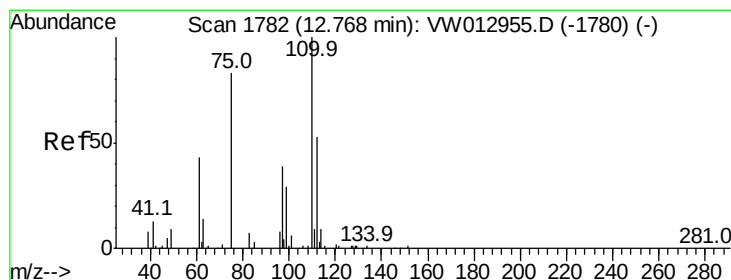
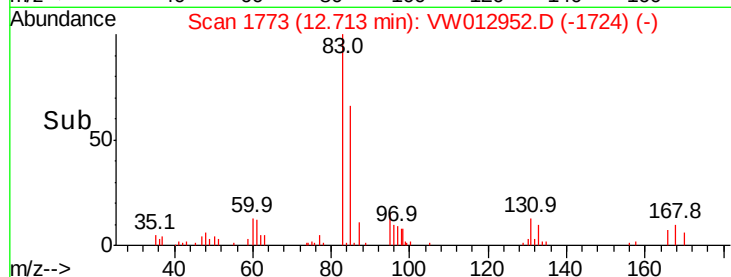
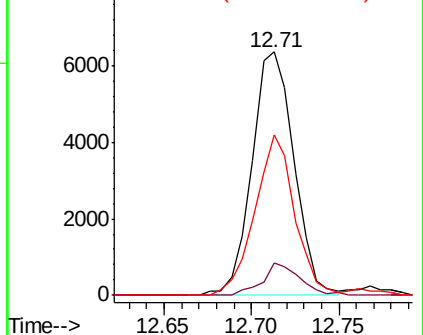
85 62.8 31.4 94.3



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 9.429 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW012952.D

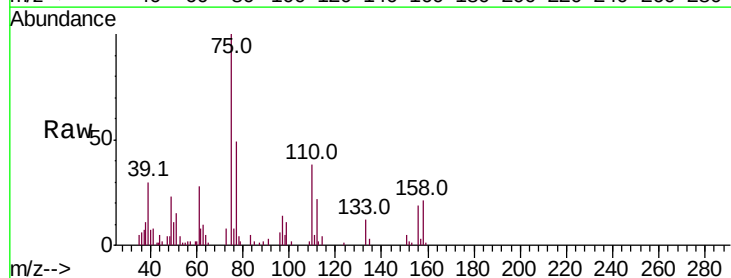
Acq: 13 Sep 2019 14:05

Tgt Ion: 75 Resp: 14396

Ion Ratio Lower Upper

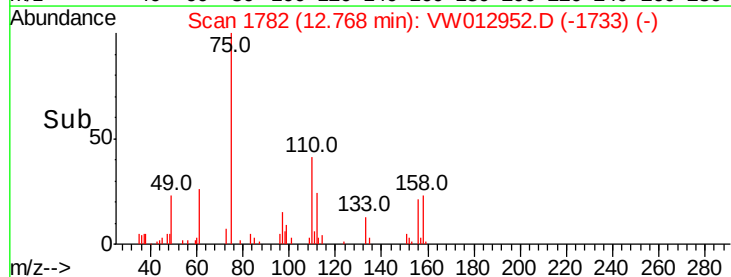
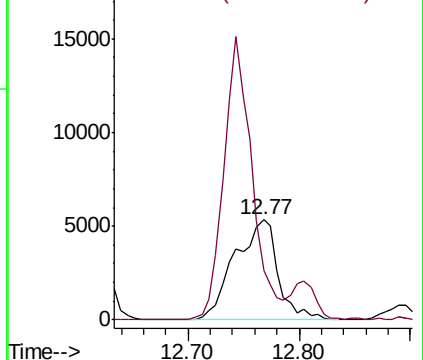
75 100

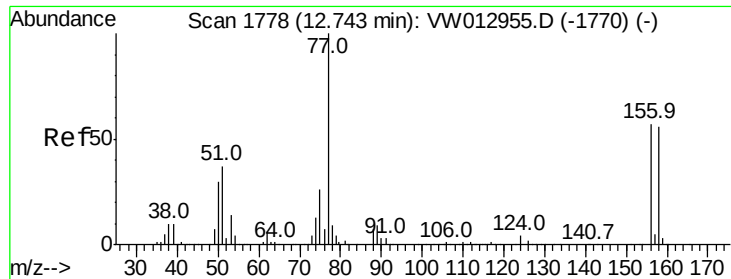
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 5.232 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW012952.D

Acq: 13 Sep 2019 14:05

Instrument :

MSVOA_W

ClientSampled :

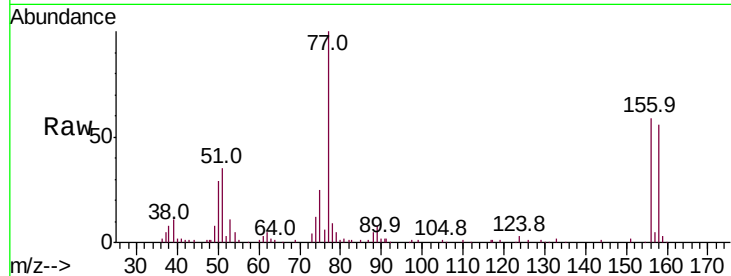
Tot Ion:156 Resp: 14456

Ion Ratio Lower Upper

156 100

77 184.5 95.2 285.6

158 96.4 49.0 147.2



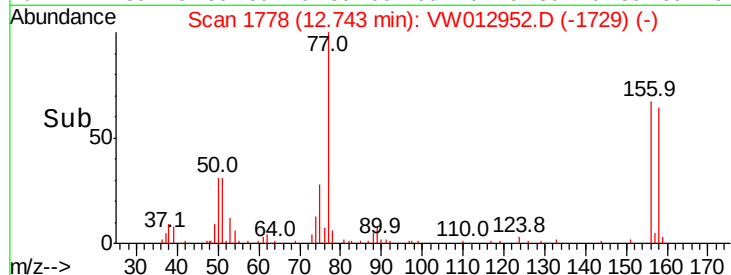
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V

Time-->

12.70 12.75 12.80



Abundance

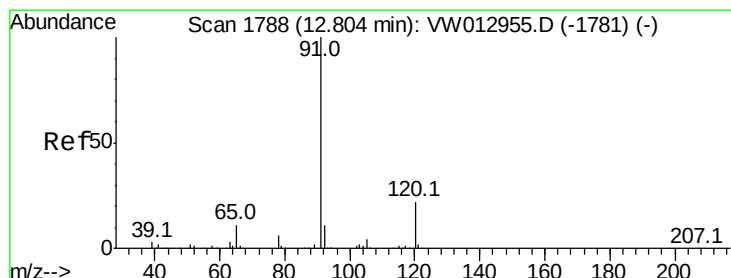
Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V

Time-->

12.70 12.75 12.80



#78

n-propylbenzene

Concen: 4.994 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012952.D

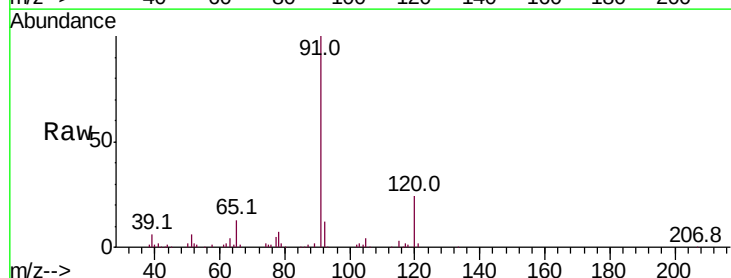
Acq: 13 Sep 2019 14:05

Tgt Ion: 91 Resp: 70465

Ion Ratio Lower Upper

91 100

120 22.6 11.2 33.5

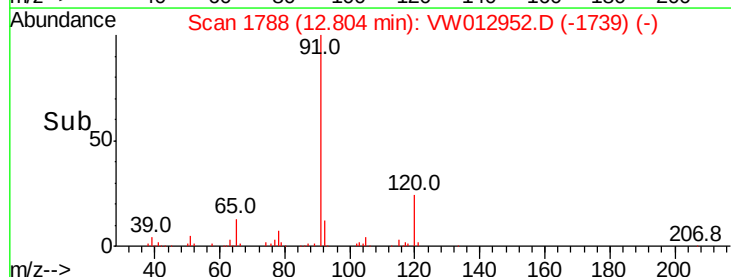


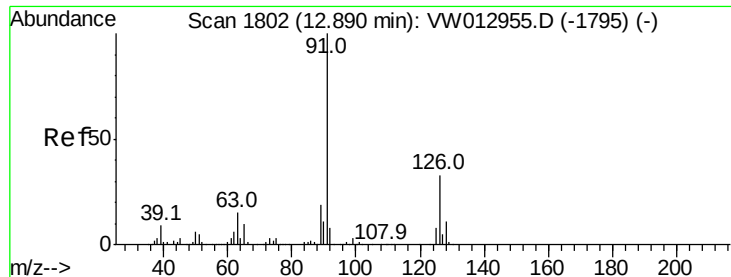
Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

Time-->

12.75 12.80 12.85





#79

2-Chlorotoluene

Concen: 5.107 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012952.D

Acq: 13 Sep 2019 14:05

Instrument :

MSVOA_W

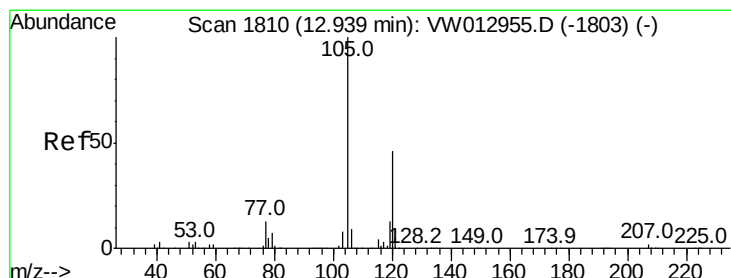
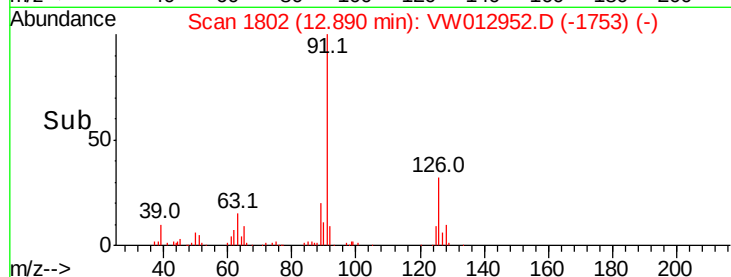
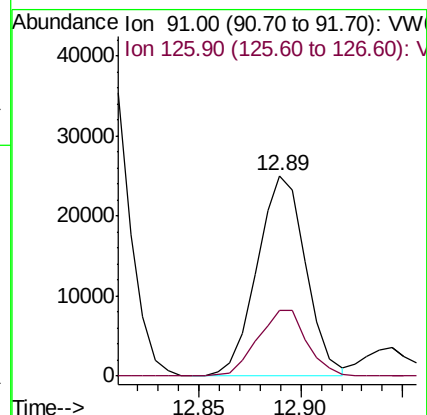
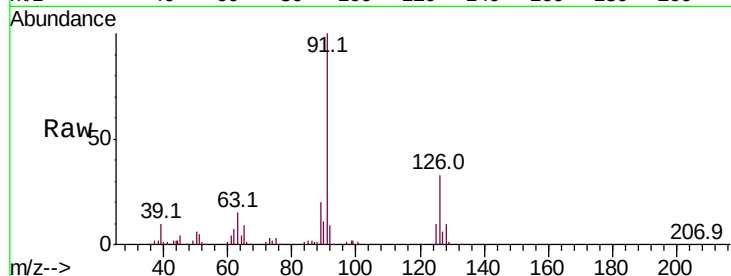
ClientSampleId :

Tot Ion: 91 Resp: 41419

Ion Ratio Lower Upper

91 100

126 33.5 16.5 49.5



#80

1,3,5-Trimethylbenzene

Concen: 5.112 ug/l

RT: 12.94 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW012952.D

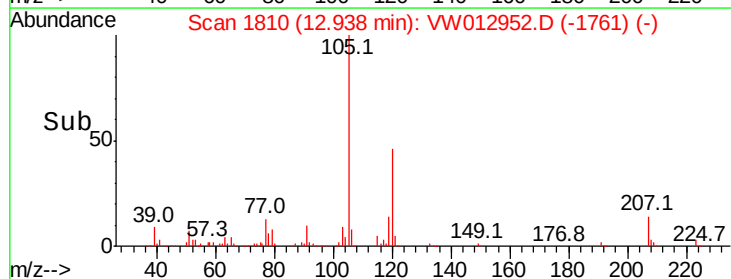
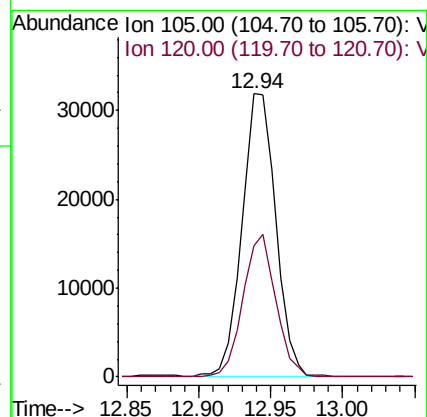
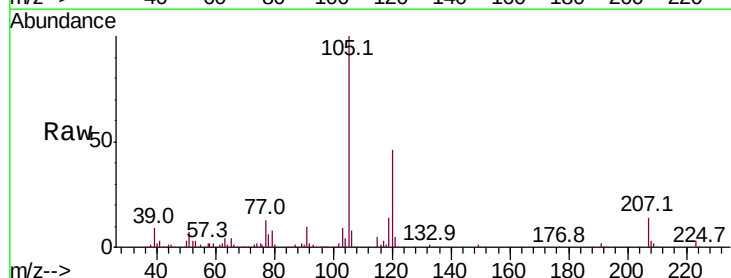
Acq: 13 Sep 2019 14:05

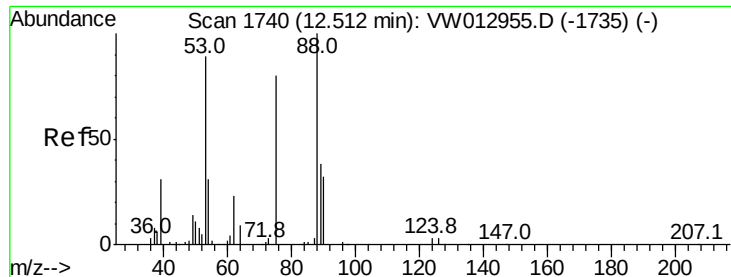
Tgt Ion:105 Resp: 51876

Ion Ratio Lower Upper

105 100

120 48.6 24.2 72.6

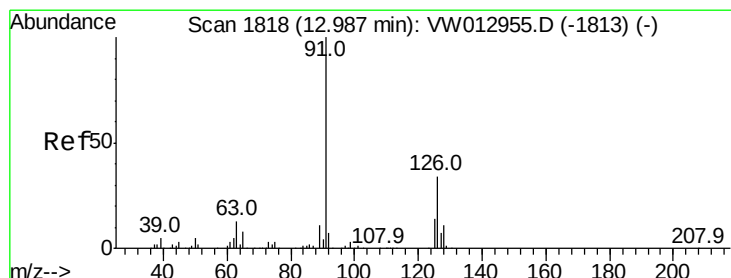
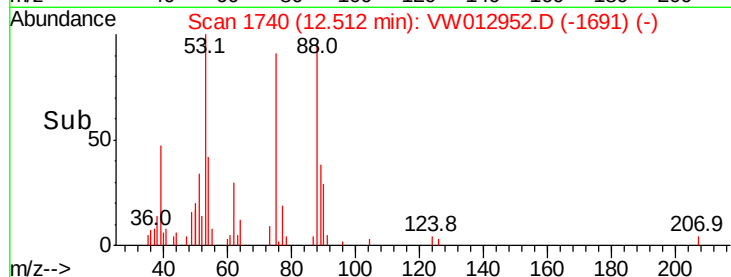
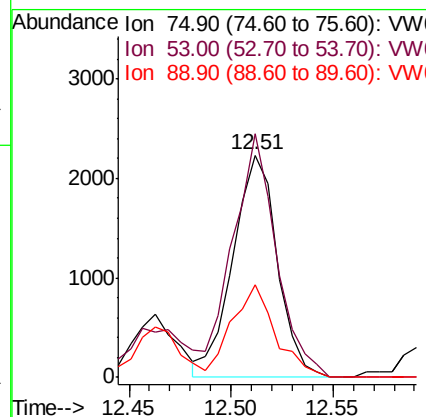
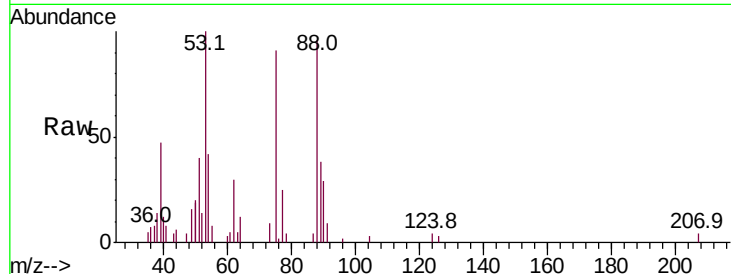




#81
trans-1,4-Dichloro-2-butene
Concen: 4.817 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW012952.D
Acq: 13 Sep 2019 14:05

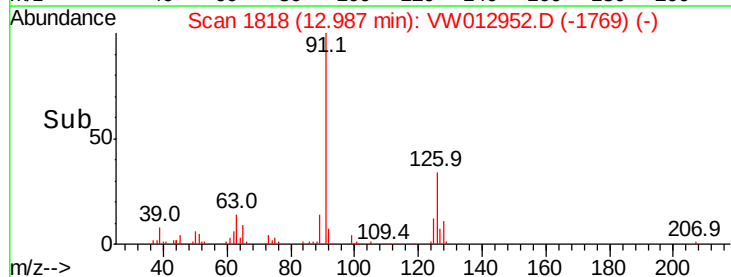
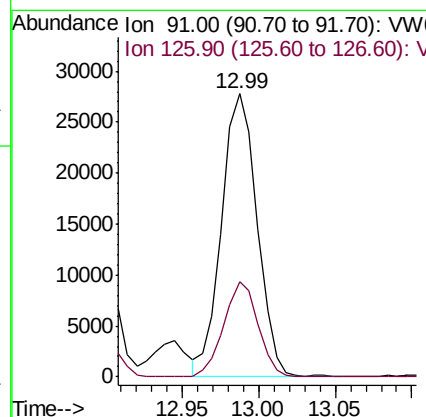
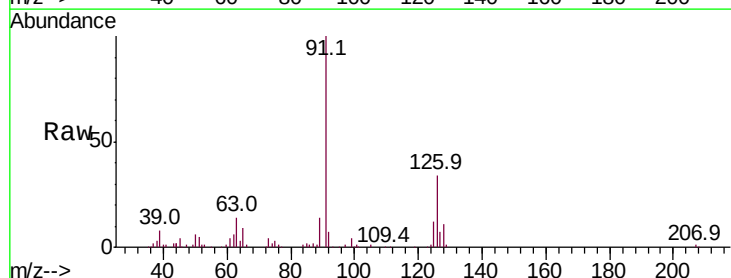
Instrument :
MSVOA_W
ClientSampleId :

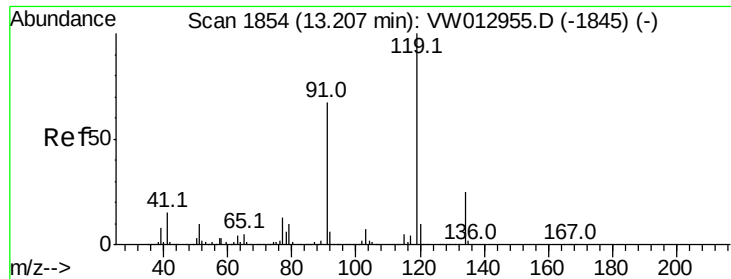
Tot Ion: 75 Resp: 3366
Ion Ratio Lower Upper
75 100
53 106.6 85.6 128.4
89 41.1 37.2 55.8



#82
4-Chlorotoluene
Concen: 5.242 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW012952.D
Acq: 13 Sep 2019 14:05

Tgt Ion: 91 Resp: 44859
Ion Ratio Lower Upper
91 100
126 32.5 16.1 48.3





#83

tert-Butylbenzene

Concen: 5.163 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VW012952.D

Acq: 13 Sep 2019 14:05

Instrument :

MSVOA_W

ClientSampleId :

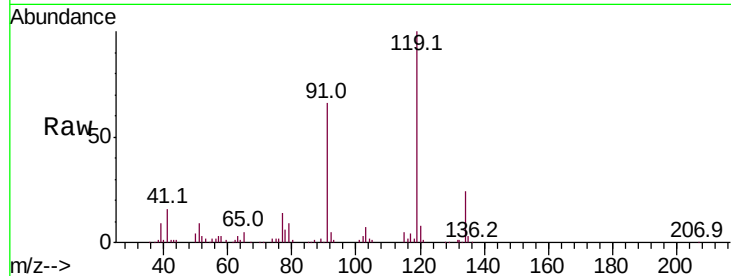
Tot Ion:119 Resp: 46863

Ion Ratio Lower Upper

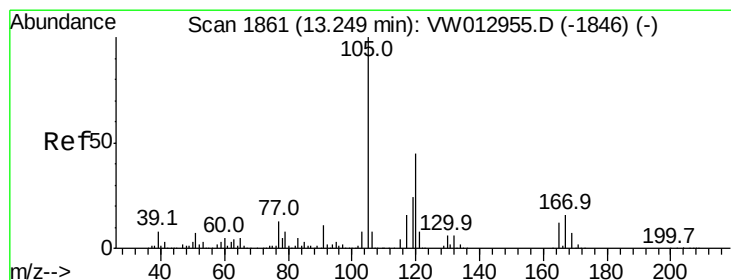
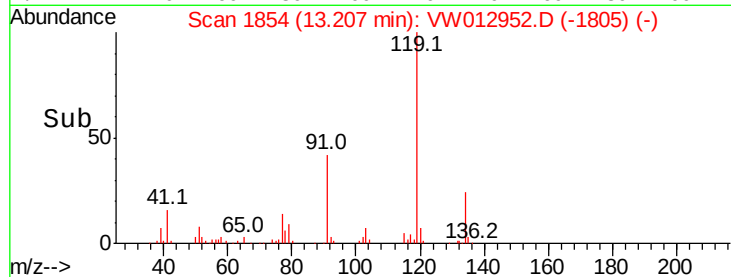
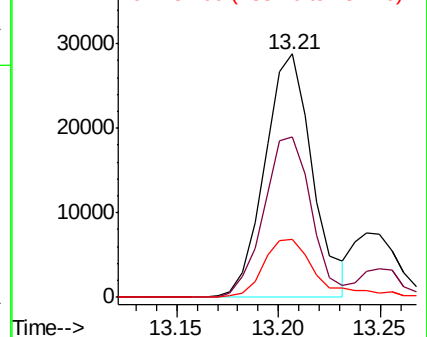
119 100

91 65.9 32.6 98.0

134 27.0 12.4 37.4



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



#84

1,2,4-Trimethylbenzene

Concen: 5.061 ug/l

RT: 13.25 min Scan# 1861

Delta R.T. -0.00 min

Lab File: VW012952.D

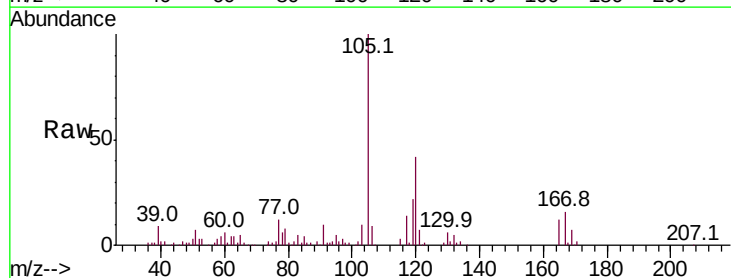
Acq: 13 Sep 2019 14:05

Tgt Ion:105 Resp: 50742

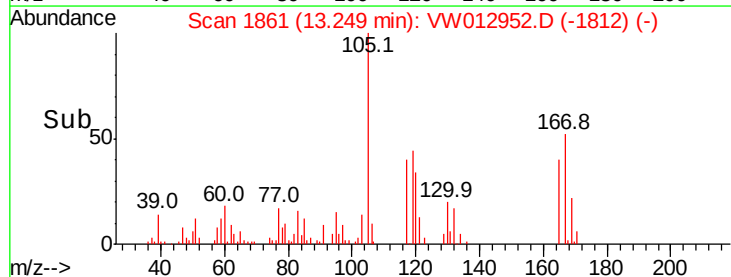
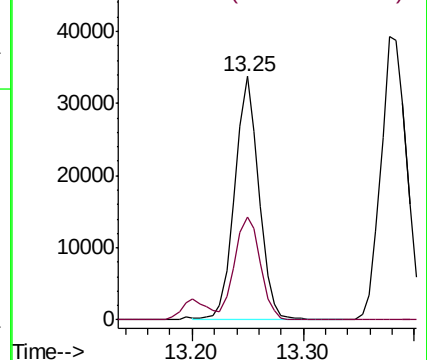
Ion Ratio Lower Upper

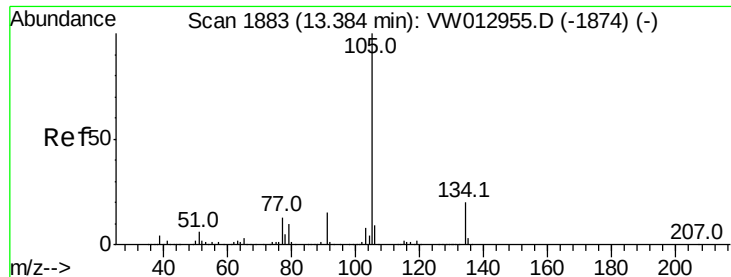
105 100

120 44.6 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: 5.151 ug/l

RT: 13.38 min Scan# 1882

Delta R.T. -0.01 min

Lab File: VW012952.D

Acq: 13 Sep 2019 14:05

Instrument :

MSVOA_W

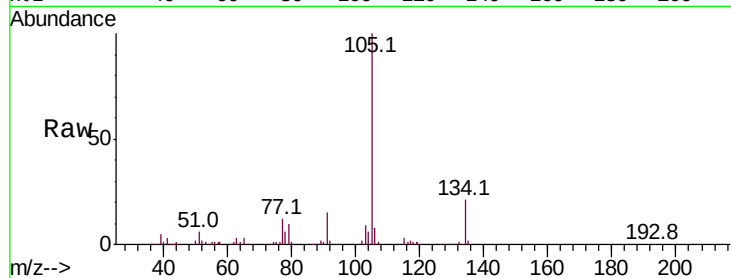
ClientSampleId :

Tot Ion:105 Resp: 63693

Ion Ratio Lower Upper

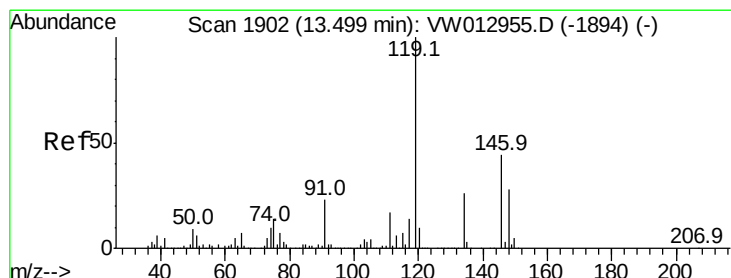
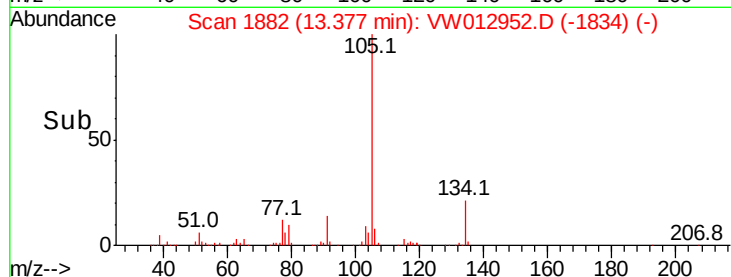
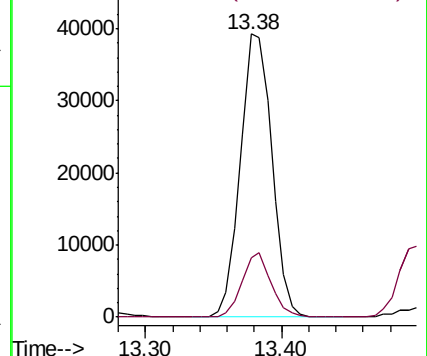
105 100

134 20.8 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: 5.109 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012952.D

Acq: 13 Sep 2019 14:05

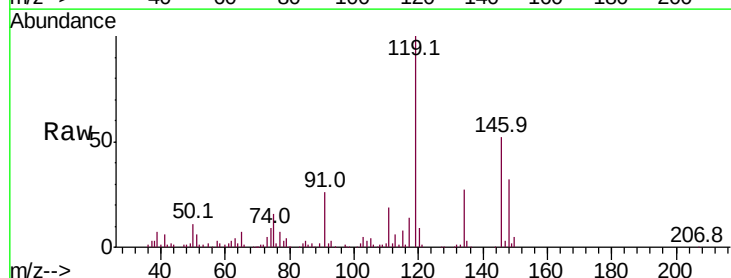
Tgt Ion:119 Resp: 58000

Ion Ratio Lower Upper

119 100

134 26.2 12.8 38.3

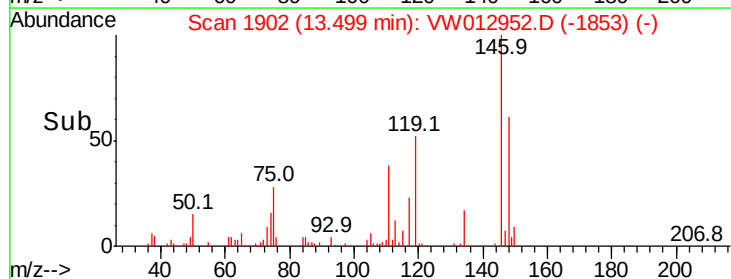
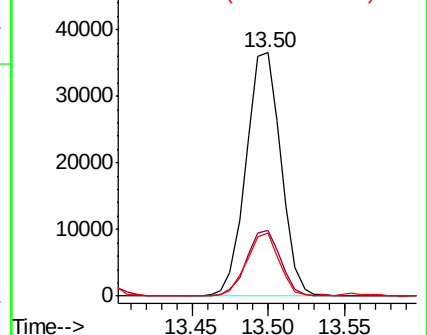
91 24.4 11.8 35.4

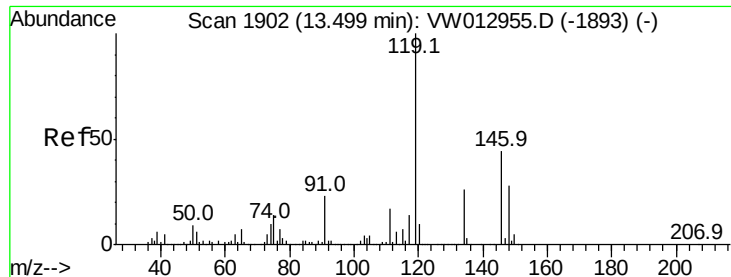


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 5.457 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

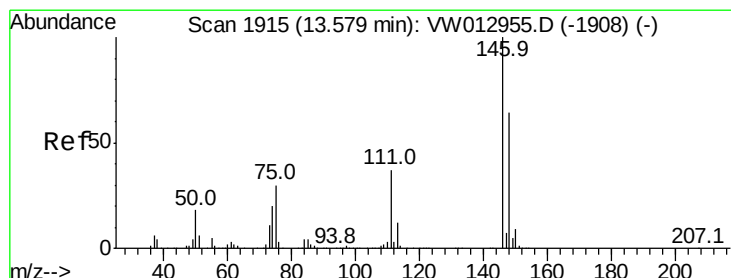
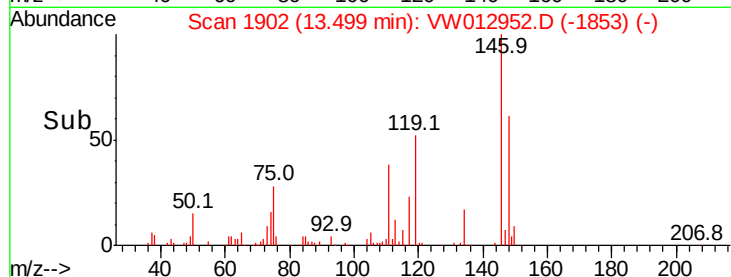
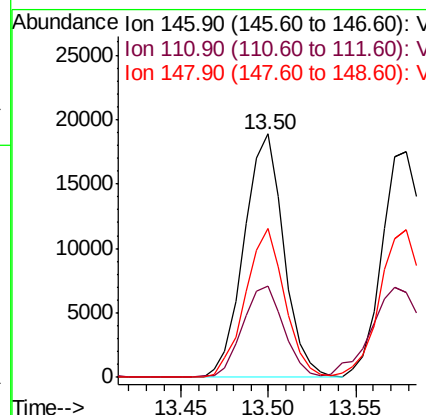
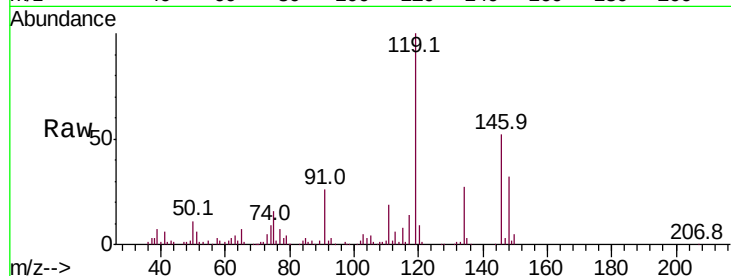
Lab File: VW012952.D

Acq: 13 Sep 2019 14:05

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:146 Resp: 29851

Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.8	59.4
148	60.6	31.9	95.7



#88

1,4-Dichlorobenzene

Concen: 5.434 ug/l

RT: 13.58 min Scan# 1915

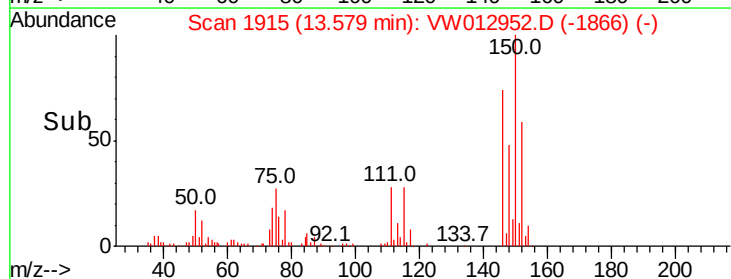
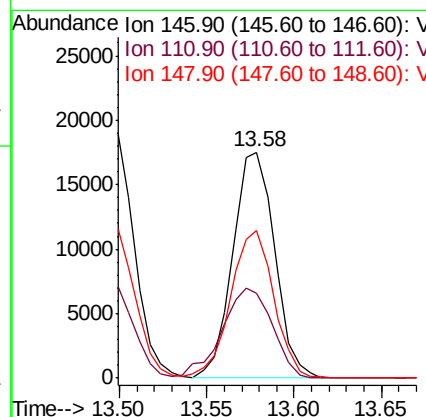
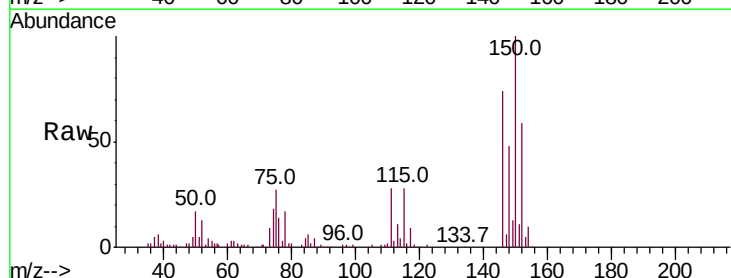
Delta R.T. -0.00 min

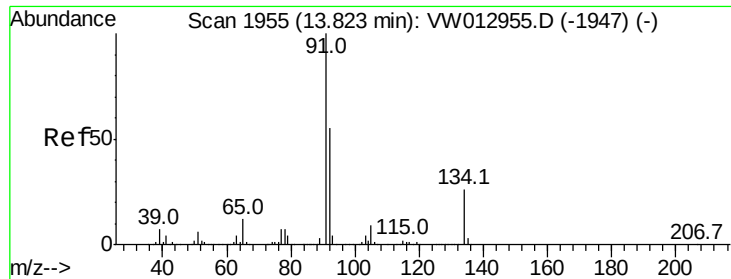
Lab File: VW012952.D

Acq: 13 Sep 2019 14:05

Tgt Ion:146 Resp: 29208

Ion	Ratio	Lower	Upper
146	100		
111	47.5	19.4	58.2
148	67.5	31.9	95.5

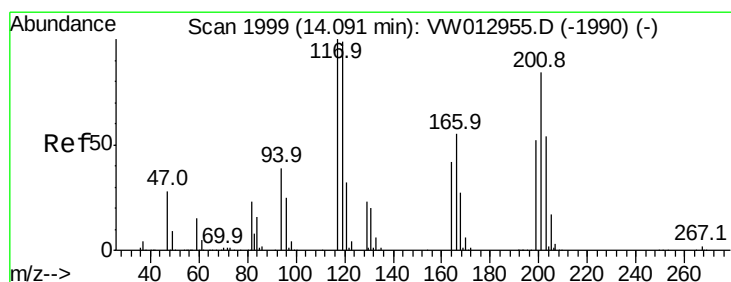
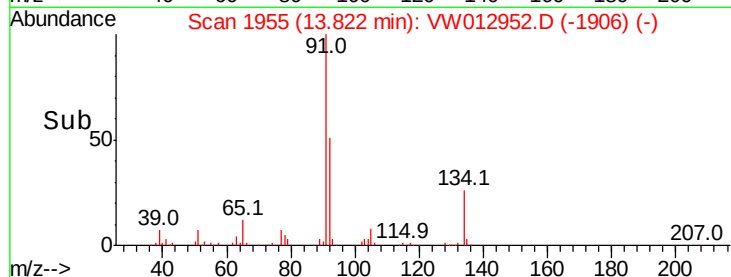
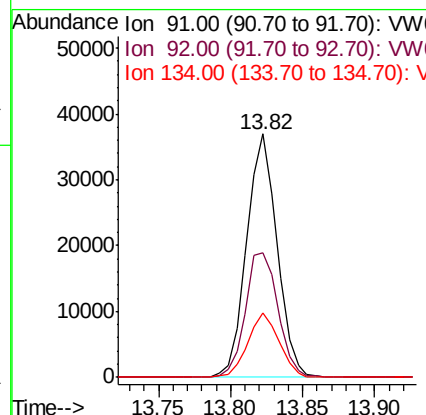
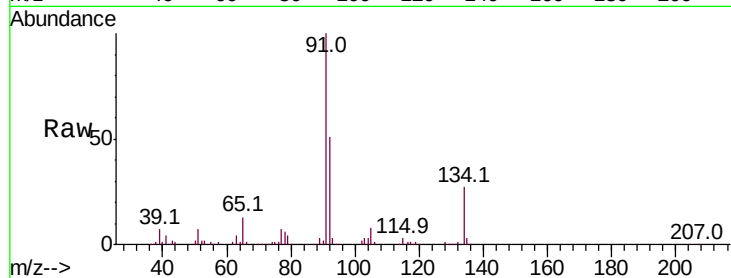




#89
n-Butylbenzene
Concen: 5.045 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW012952.D
Acq: 13 Sep 2019 14:05

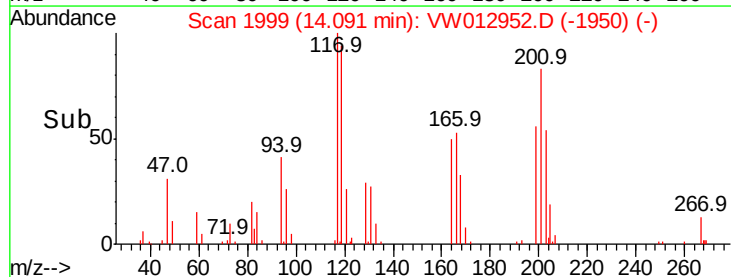
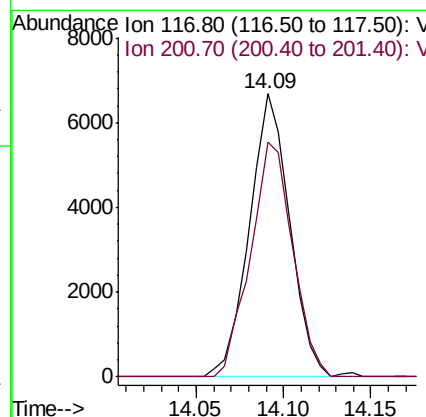
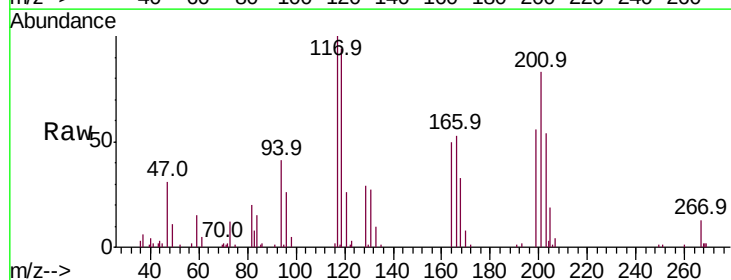
Instrument :
MSVOA_W
ClientSampled :

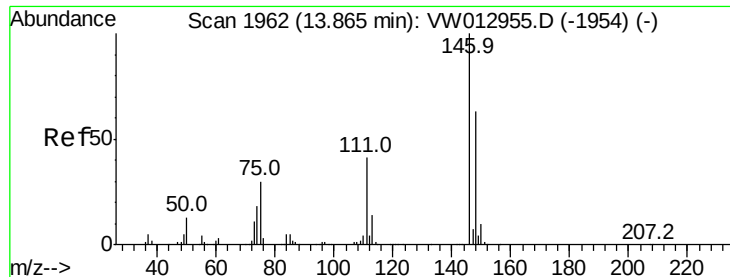
Tot Ion: 91 Resp: 54016
Ion Ratio Lower Upper
91 100
92 54.9 27.2 81.5
134 27.2 13.1 39.1



#90
Hexachloroethane
Concen: 5.256 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW012952.D
Acq: 13 Sep 2019 14:05

Tgt Ion: 117 Resp: 10694
Ion Ratio Lower Upper
117 100
201 86.7 45.3 135.9

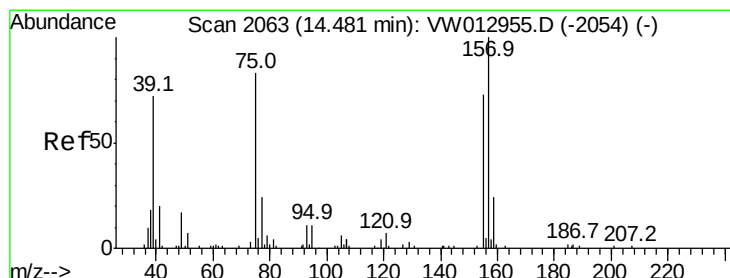
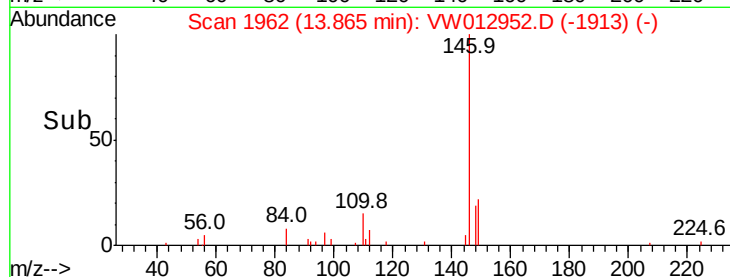
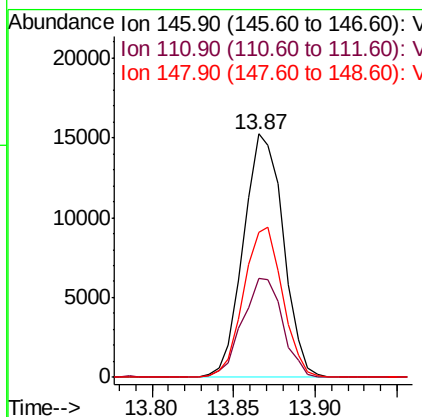
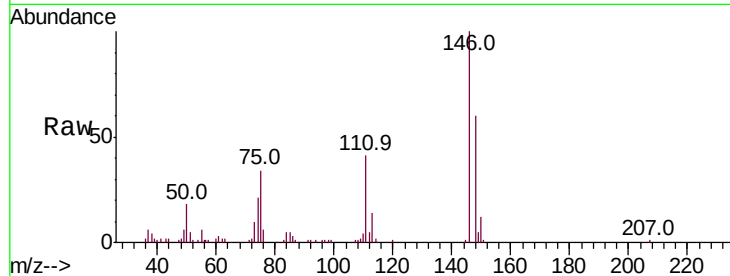




#91
 1,2-Dichlorobenzene
 Concen: 5.393 ug/l
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.00 min
 Lab File: VW012952.D
 Acq: 13 Sep 2019 14:05

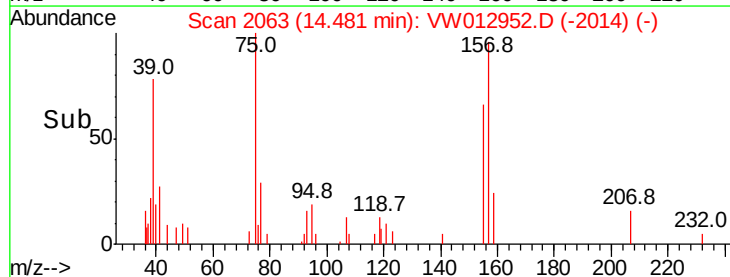
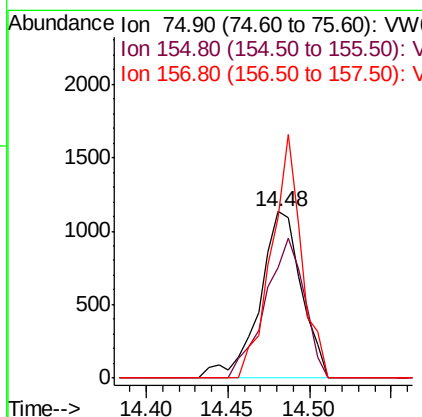
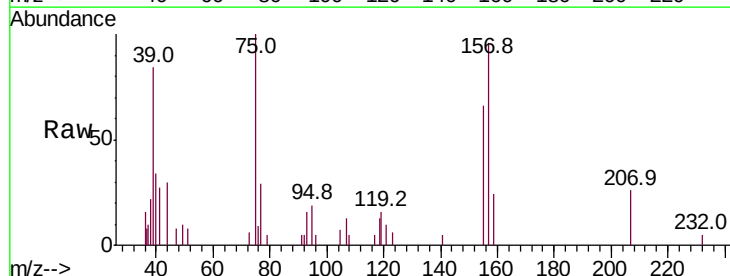
Instrument :
 MSVOA_W
 ClientSampled :

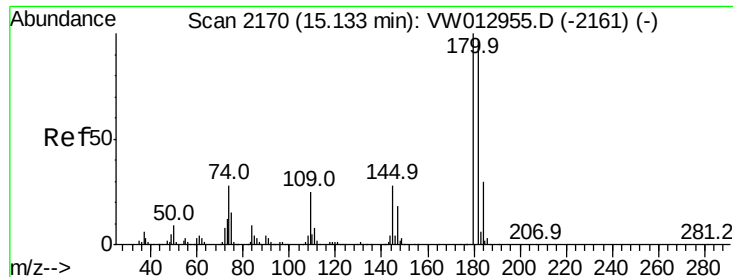
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.8	62.5
148	60.1	32.7	98.1



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.218 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW012952.D
 Acq: 13 Sep 2019 14:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.1	43.3	129.9
157	105.3	54.7	164.1

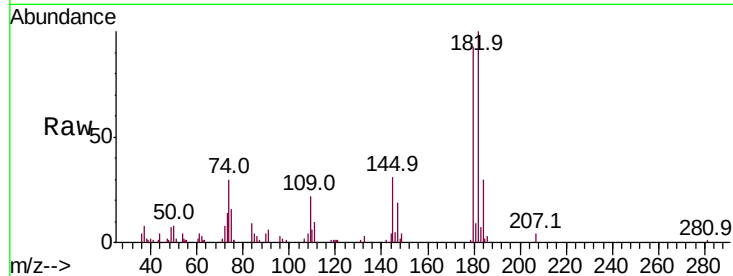




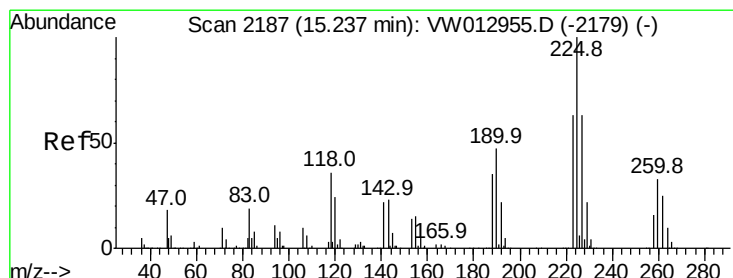
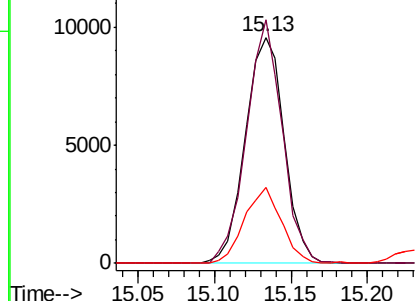
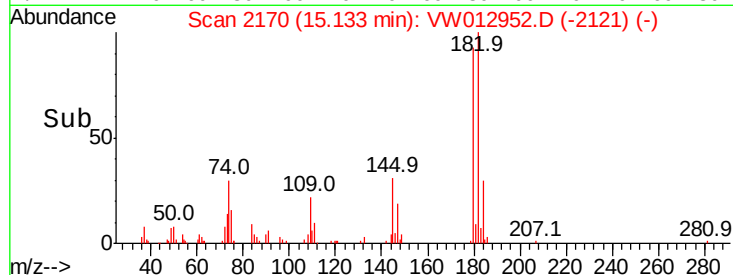
#93
 1,2,4-Trichlorobenzene
 Concen: 4.930 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012952.D
 Acq: 13 Sep 2019 14:05

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.7	47.4	142.2
145	31.8	14.9	44.7

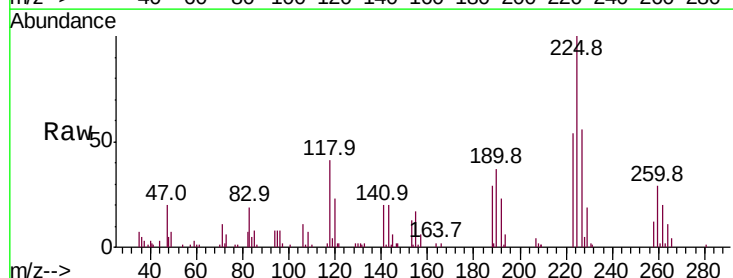


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

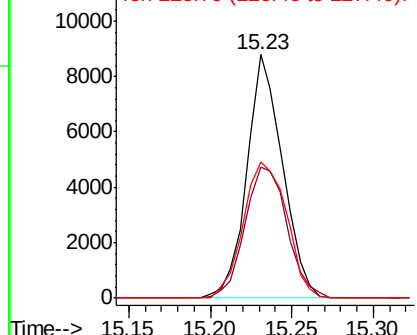
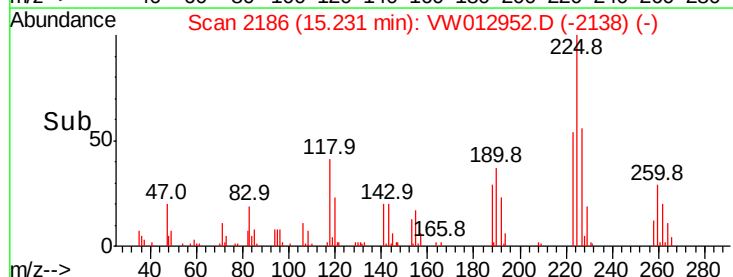


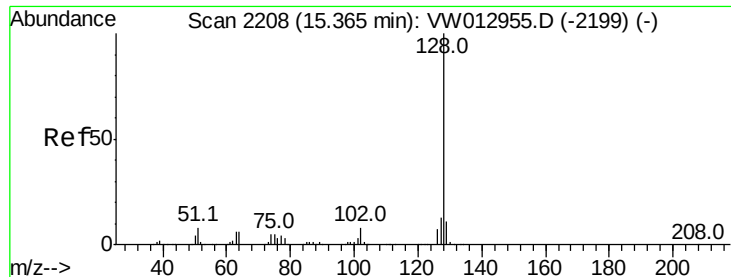
#94
 Hexachlorobutadiene
 Concen: 5.517 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. -0.01 min
 Lab File: VW012952.D
 Acq: 13 Sep 2019 14:05

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.7	31.8	95.3
227	67.8	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

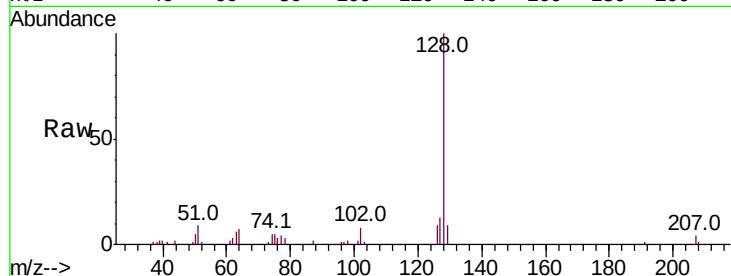




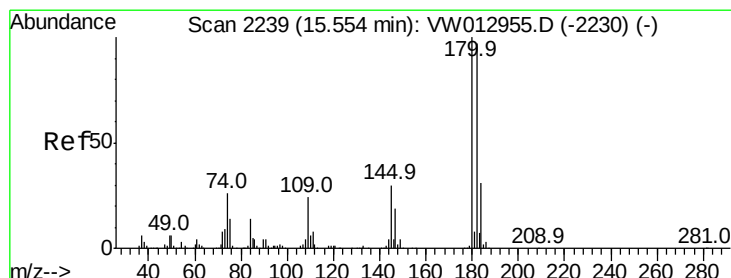
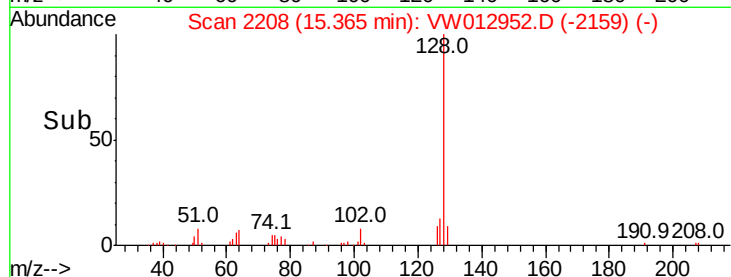
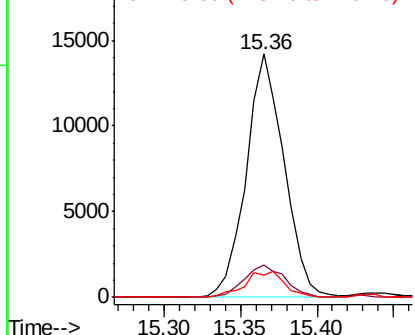
#95
Naphthalene
Concen: 4.265 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW012952.D
Acq: 13 Sep 2019 14:05

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.4	11.0	16.6
129	11.2	8.6	12.8

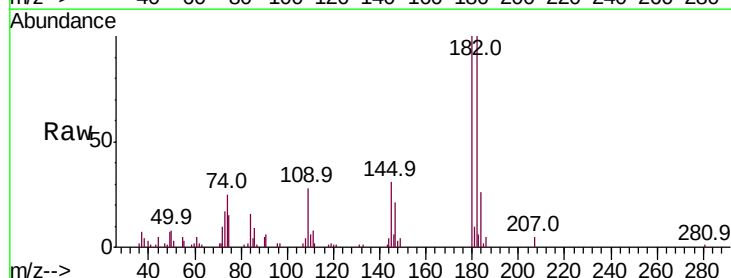


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 5.098 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW012952.D
Acq: 13 Sep 2019 14:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.6	142.8
145	34.4	15.4	46.2



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

