

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091519\
 Data File : VW012983.D
 Acq On : 14 Sep 2019 10:27
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 16 06:50:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 13 17:26:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	273675	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	392922	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	340207	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	172274	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	128330	50.77	ug/l	0.00
Spiked Amount			Recovery	=	101.54%	
35) Dibromofluoromethane	7.88	113	109904	51.55	ug/l	0.00
Spiked Amount			Recovery	=	103.10%	
50) Toluene-d8	10.32	98	432898	51.89	ug/l	0.00
Spiked Amount			Recovery	=	103.78%	
62) 4-Bromofluorobenzene	12.62	95	151809	50.60	ug/l	0.00
Spiked Amount			Recovery	=	101.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	55424	53.196	ug/l	95
3) Chloromethane	2.21	50	71243	54.538	ug/l	99
4) Vinyl Chloride	2.36	62	98747	50.410	ug/l	99
5) Bromomethane	2.78	94	58232	48.678	ug/l	94
6) Chloroethane	2.92	64	62707	52.194	ug/l	95
7) Trichlorofluoromethane	3.26	101	72088	52.626	ug/l	99
8) Diethyl Ether	3.68	74	51941	48.561	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	103638	49.883	ug/l	99
10) Methyl Iodide	4.27	142	134293	51.649	ug/l	100
11) Tert butyl alcohol	5.19	59	43036	252.438	ug/l #	94
12) 1,1-Dichloroethene	4.04	96	95264	50.429	ug/l	94
13) Acrolein	3.90	56	51759	278.578	ug/l	100
14) Allyl chloride	4.67	41	185462	51.715	ug/l	99
15) Acrylonitrile	5.37	53	143242	262.205	ug/l	100
16) Acetone	4.14	43	162772	300.750	ug/l	98
17) Carbon Disulfide	4.38	76	181515	48.217	ug/l	99
18) Methyl Acetate	4.67	43	69250	48.089	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	195337	52.384	ug/l	96
20) Methylene Chloride	4.91	84	106490	52.398	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	99817	49.335	ug/l	98
22) Diisopropyl ether	6.31	45	386268	51.847	ug/l	98
23) Vinyl Acetate	6.25	43	1199131	268.730	ug/l	99
24) 1,1-Dichloroethane	6.21	63	215839	50.247	ug/l	99
25) 2-Butanone	7.17	43	214703	267.139	ug/l	97
26) 2,2-Dichloropropane	7.16	77	147593	54.534	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	122213	50.454	ug/l	99
28) Bromochloromethane	7.51	49	94576	52.310	ug/l	99
29) Tetrahydrofuran	7.53	42	121061	264.360	ug/l	99
30) Chloroform	7.67	83	218338	50.025	ug/l	99
31) Cyclohexane	7.95	56	172402	53.788	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	182139	50.674	ug/l	98
36) 1,1-Dichloropropene	8.08	75	157791	50.255	ug/l	98
37) Ethyl Acetate	7.25	43	83223	49.937	ug/l	98
38) Carbon Tetrachloride	8.07	117	163949	50.954	ug/l	97

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	171818	49.939	ug/l	97
40) Benzene	8.32	78	440782	50.288	ug/l	100
41) Methacrylonitrile	7.48	41	59008	53.766	ug/l	95
42) 1,2-Dichloroethane	8.40	62	148548	50.556	ug/l	99
43) Isopropyl Acetate	8.42	43	166687	52.092	ug/l	99
44) Trichloroethene	9.09	130	120107	50.026	ug/l	96
45) 1,2-Dichloropropane	9.37	63	117552	50.478	ug/l	100
46) Dibromomethane	9.46	93	57236	51.300	ug/l	99
47) Bromodichloromethane	9.64	83	162312	51.864	ug/l	100
48) Methyl methacrylate	9.43	41	79708	53.077	ug/l	99
49) 1,4-Dioxane	9.46	88	19209	1027.478	ug/l #	75
51) 4-Methyl-2-Pentanone	10.21	43	433091	262.160	ug/l	100
52) Toluene	10.38	92	283035	50.816	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	164118	52.143	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	187967	52.194	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	87698	51.597	ug/l	97
56) Ethyl methacrylate	10.65	69	121033	52.903	ug/l	100
57) 1,3-Dichloropropane	10.93	76	153842	51.024	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	311291	253.649	ug/l	99
59) 2-Hexanone	10.97	43	321302	279.317	ug/l	99
60) Dibromochloromethane	11.13	129	106286	51.723	ug/l	97
61) 1,2-Dibromoethane	11.23	107	80639	52.008	ug/l	100
64) Tetrachloroethene	10.86	164	99231	49.029	ug/l	96
65) Chlorobenzene	11.66	112	307227	50.699	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	117942	50.788	ug/l	99
67) Ethyl Benzene	11.73	91	576307	51.493	ug/l	99
68) m/p-Xylenes	11.84	106	422271	103.282	ug/l	99
69) o-Xylene	12.16	106	199562	52.063	ug/l	99
70) Styrene	12.18	104	354135	51.936	ug/l	99
71) Bromoform	12.35	173	65258	53.499	ug/l #	97
73) Isopropylbenzene	12.46	105	582707	51.031	ug/l	100
74) N-amyl acetate	12.27	43	154922	52.742	ug/l	99
75) 1,1,1,2-Tetrachloroethane	12.71	83	102675	51.195	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	138305	91.654	ug/l #	100
77) Bromobenzene	12.74	156	131952	50.160	ug/l	100
78) n-propylbenzene	12.80	91	690024	51.372	ug/l	100
79) 2-Chlorotoluene	12.89	91	390282	50.545	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	488355	50.553	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	35535	53.420	ug/l	99
82) 4-Chlorotoluene	12.99	91	415283	50.974	ug/l	100
83) tert-Butylbenzene	13.21	119	438676	50.768	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	486808	50.996	ug/l	99
85) sec-Butylbenzene	13.38	105	602490	51.177	ug/l	99
86) p-Isopropyltoluene	13.50	119	557109	51.543	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	261460	50.208	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	257469	50.312	ug/l	99
89) n-Butylbenzene	13.82	91	528684	51.865	ug/l	100
90) Hexachloroethane	14.09	117	100163	51.712	ug/l	95
91) 1,2-Dichlorobenzene	13.87	146	231957	50.651	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	18312	49.882	ug/l	99

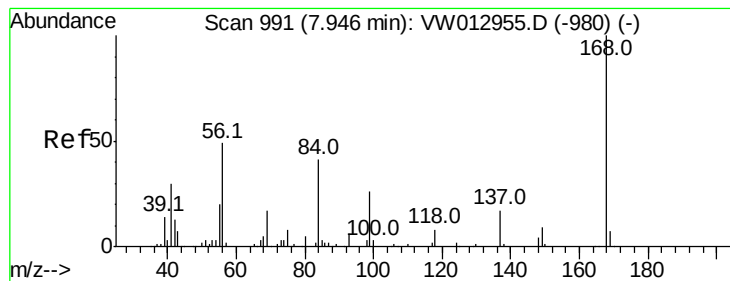
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Quant Title : SW846 8260
QLast Update : Fri Sep 13 17:26:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	167751	51.363	ug/l	99
94) Hexachlorobutadiene	15.24	225	116413	50.351	ug/l	99
95) Naphthalene	15.36	128	297425	54.503	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	147878	51.221	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012983.D

Acq: 14 Sep 2019 10:27

Instrument :

MSVOA_W

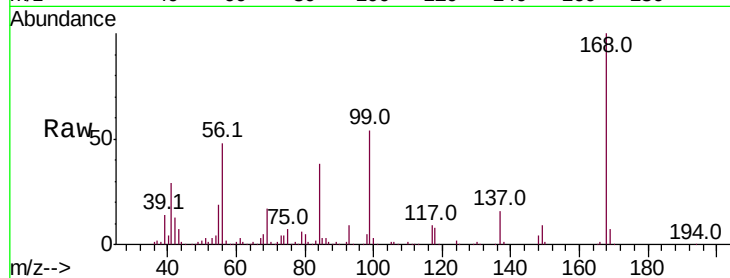
ClientSampleId :

Tot Ion:168 Resp: 273675

Ion Ratio Lower Upper

168 100

99 53.7 46.2 69.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

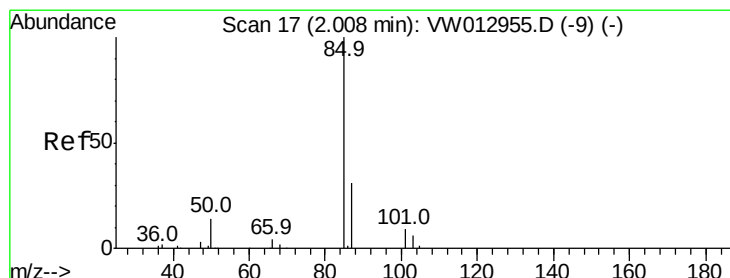
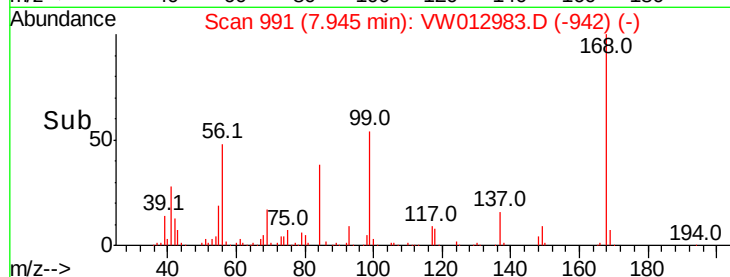
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 53.196 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW012983.D

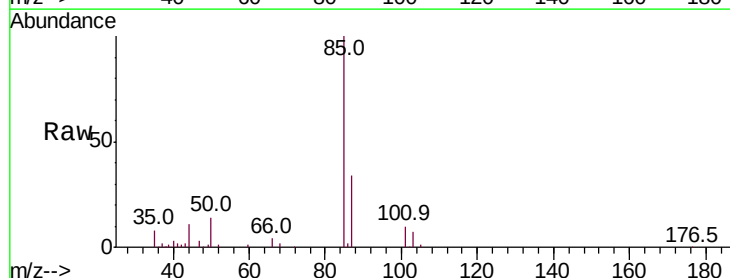
Acq: 14 Sep 2019 10:27

Tgt Ion: 85 Resp: 55424

Ion Ratio Lower Upper

85 100

87 33.8 15.4 46.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

20000

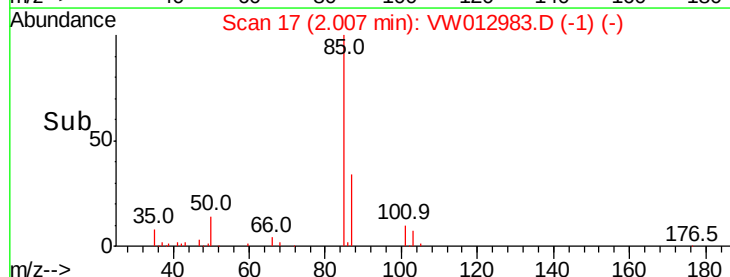
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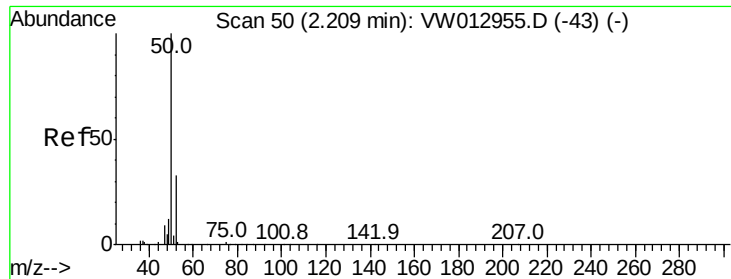
10000

5000

0

Time-->





#3

Chloromethane

Concen: 54.538 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW012983.D

Acq: 14 Sep 2019 10:27

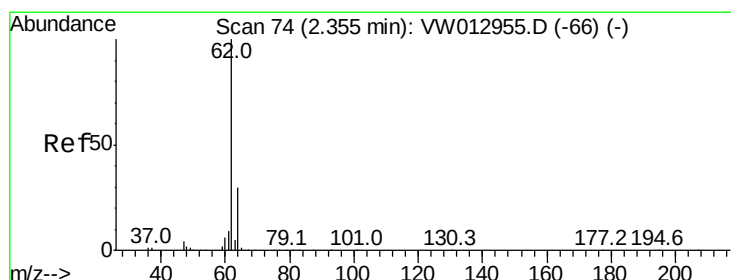
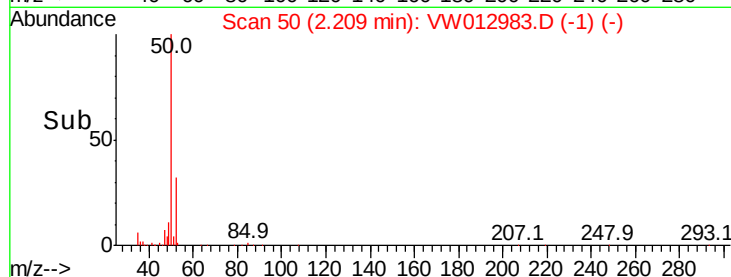
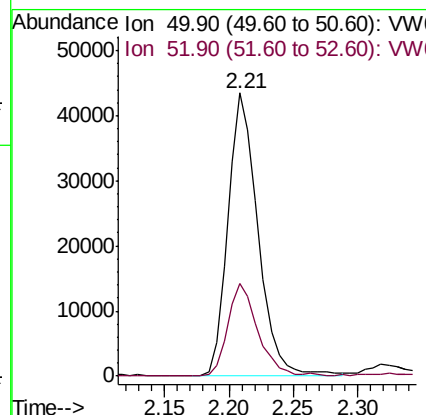
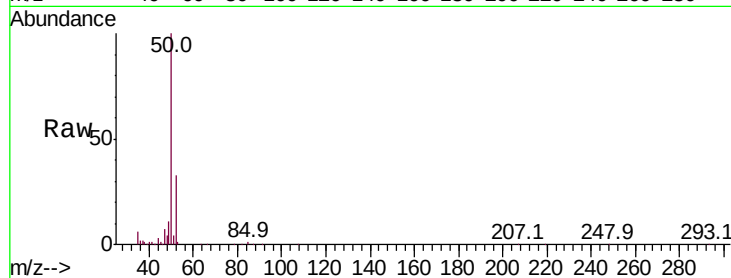
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 50 Resp: 71243

Ion Ratio Lower Upper

50 100

52 32.6 26.6 39.8



#4

Vinyl Chloride

Concen: 50.410 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.01 min

Lab File: VW012983.D

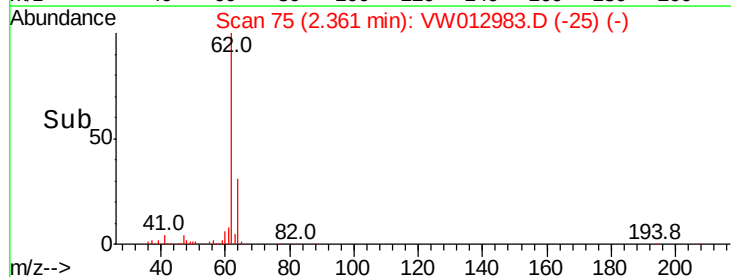
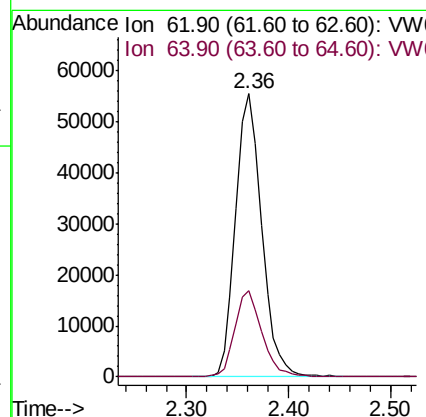
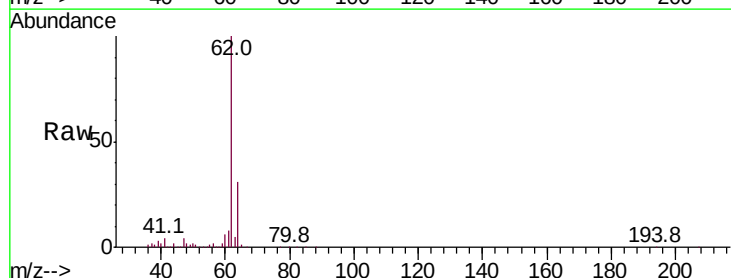
Acq: 14 Sep 2019 10:27

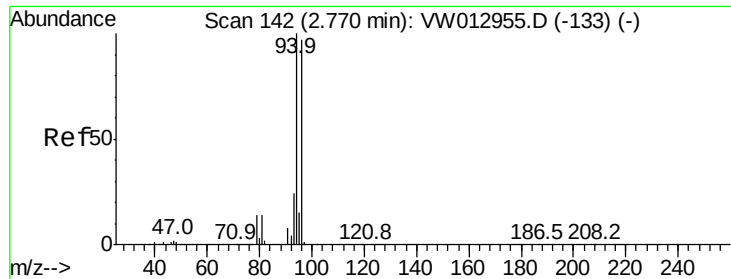
Tgt Ion: 62 Resp: 98747

Ion Ratio Lower Upper

62 100

64 30.7 24.2 36.4





#5

Bromomethane

Concen: 48.678 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.01 min

Lab File: VW012983.D

Acq: 14 Sep 2019 10:27

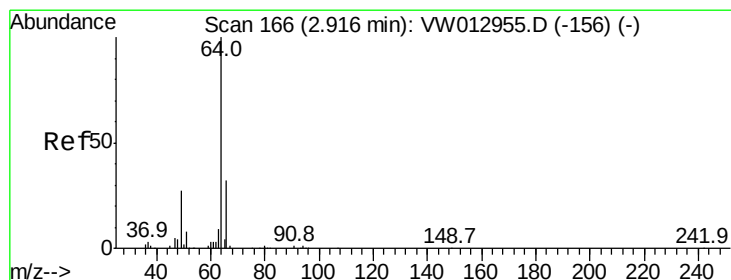
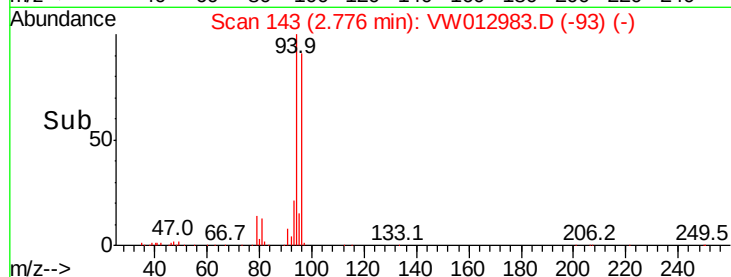
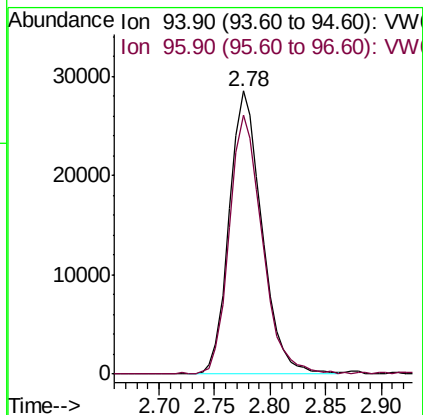
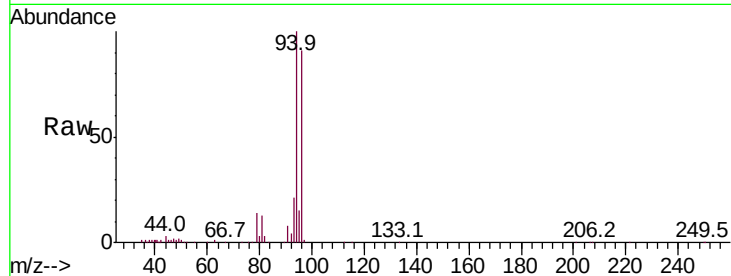
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 94 Resp: 58232

Ion Ratio Lower Upper

94 100

96 91.2 77.8 116.6



#6

Chloroethane

Concen: 52.194 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.01 min

Lab File: VW012983.D

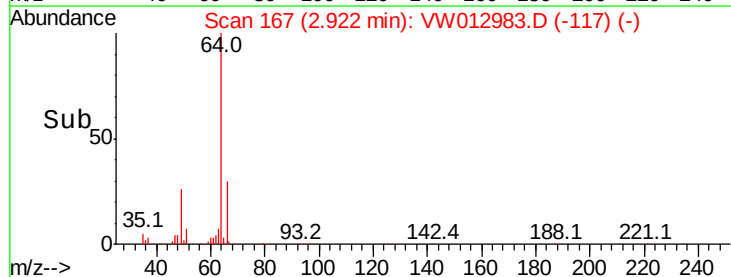
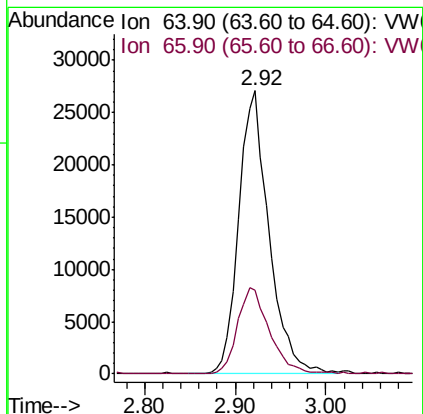
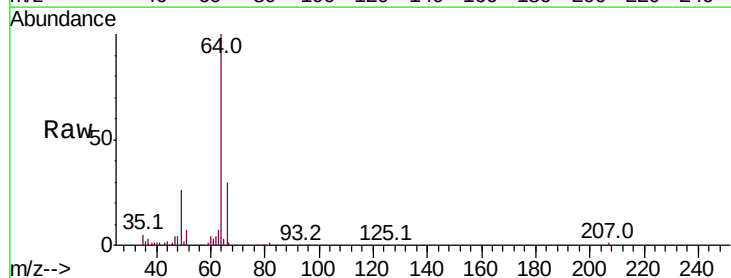
Acq: 14 Sep 2019 10:27

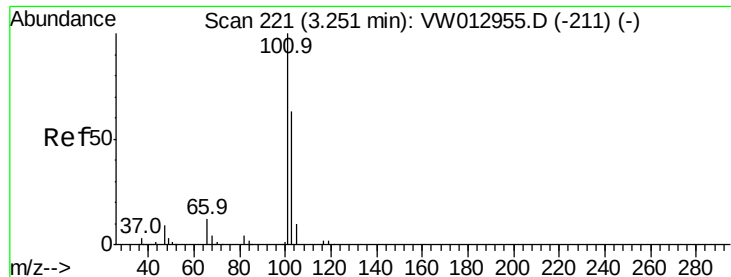
Tgt Ion: 64 Resp: 62707

Ion Ratio Lower Upper

64 100

66 29.4 25.9 38.9



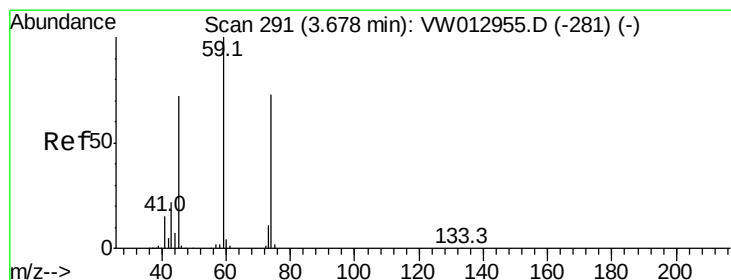
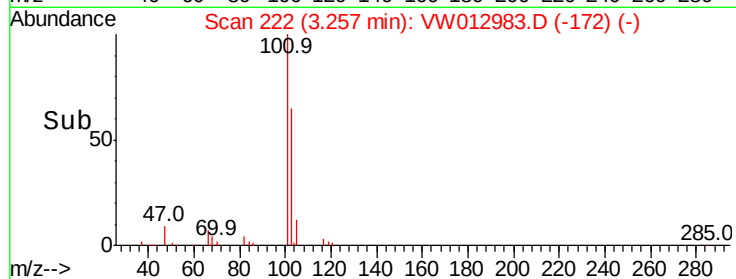
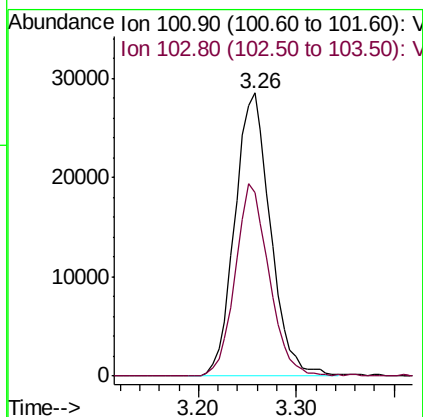
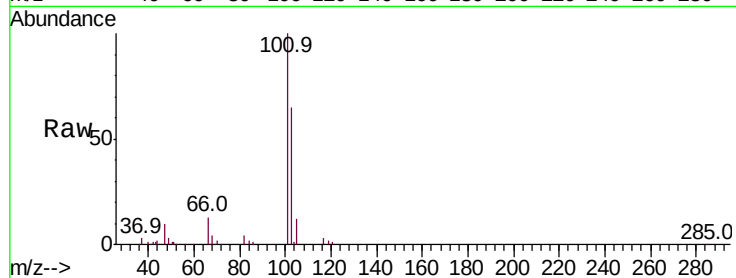


#7

Trichlorofluoromethane
Concen: 52.626 ug/l
RT: 3.26 min Scan# 222
Delta R.T. 0.01 min
Lab File: VW012983.D
Acq: 14 Sep 2019 10:27

Instrument :
MSVOA_W
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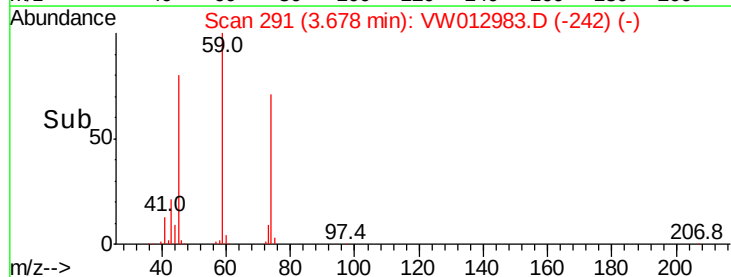
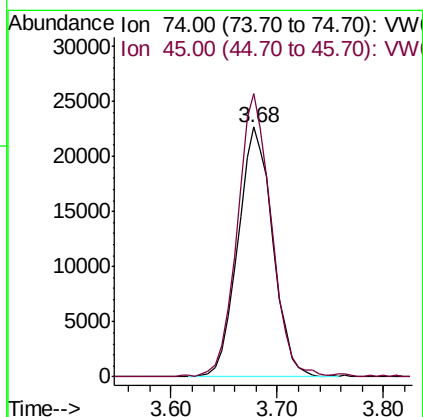
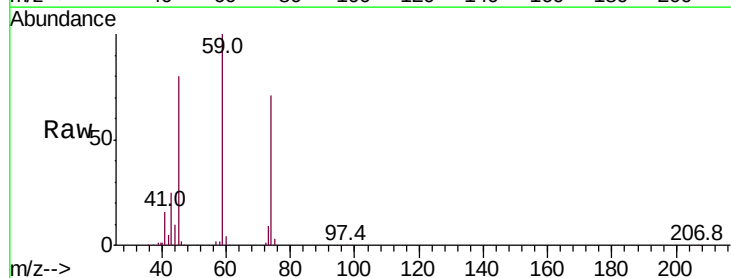
Tot Ion:101 Resp: 72088
Ion Ratio Lower Upper
101 100
103 64.5 50.7 76.1

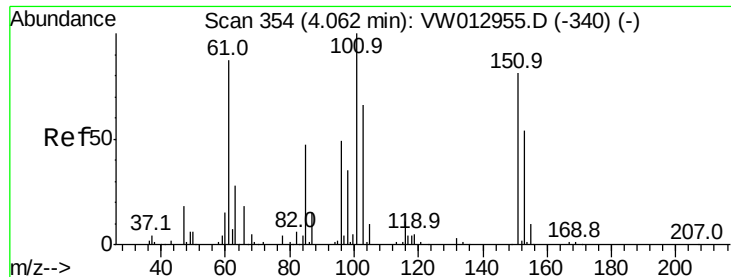


#8

Diethyl Ether
Concen: 48.561 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW012983.D
Acq: 14 Sep 2019 10:27

Tgt Ion: 74 Resp: 51941
Ion Ratio Lower Upper
74 100
45 111.3 53.8 161.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.883 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW012983.D

Acq: 14 Sep 2019 10:27

Instrument :

MSVOA_W

ClientSampleId :

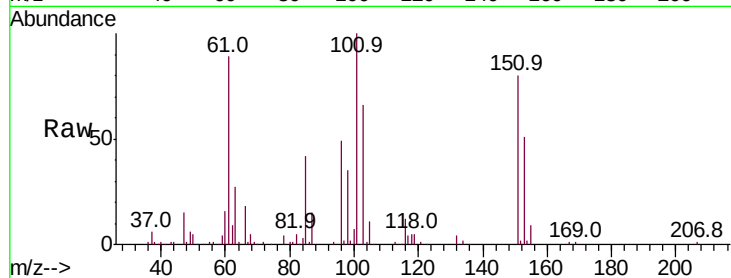
Tot Ion:101 Resp: 103638

Ion Ratio Lower Upper

101 100

85 44.6 34.9 52.3

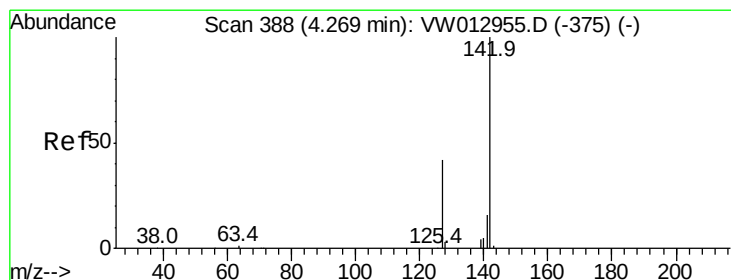
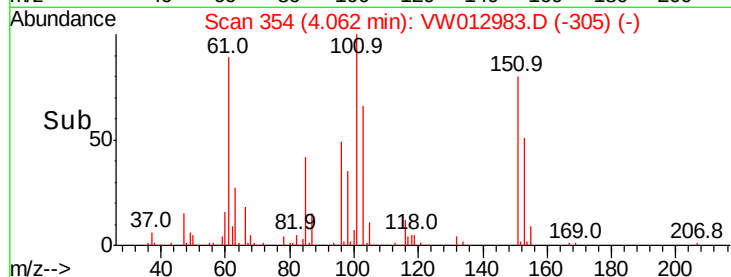
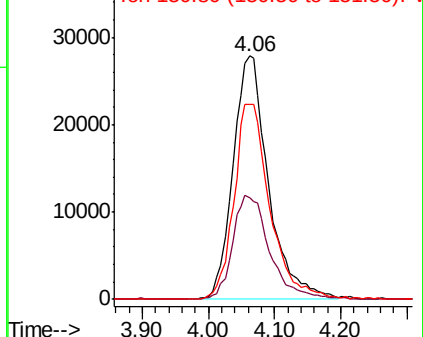
151 81.3 66.0 99.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 51.649 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW012983.D

Acq: 14 Sep 2019 10:27

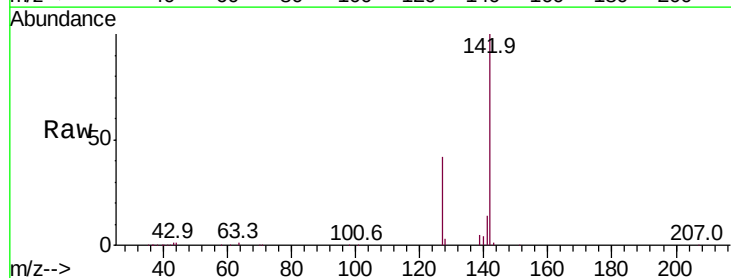
Tgt Ion:142 Resp: 134293

Ion Ratio Lower Upper

142 100

127 43.6 34.7 52.1

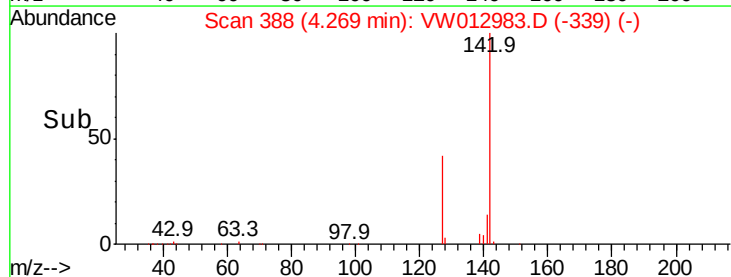
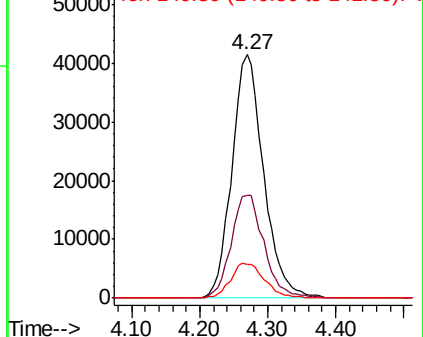
141 15.3 12.2 18.2

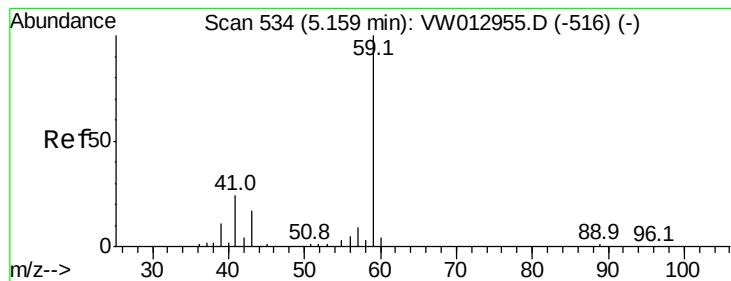


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 252.438 ug/l

RT: 5.19 min Scan# 539

Delta R.T. 0.03 min

Lab File: VW012983.D

Acq: 14 Sep 2019 10:27

Instrument :

MSVOA_W

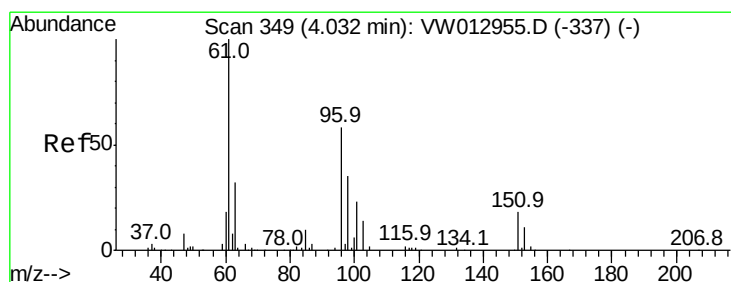
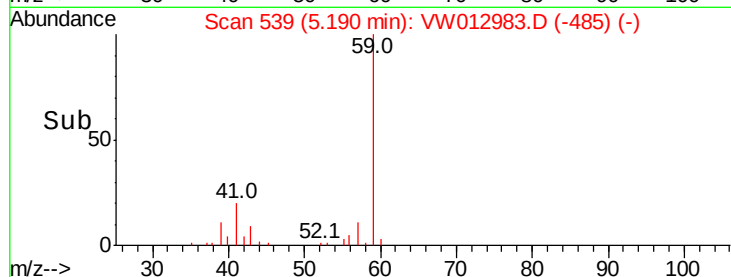
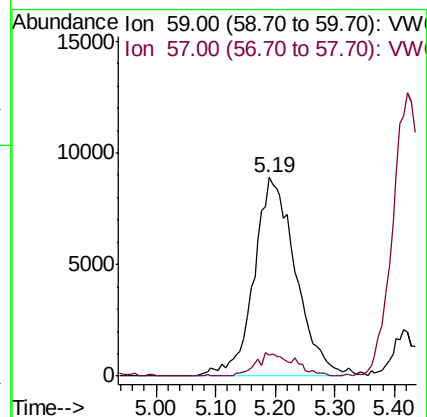
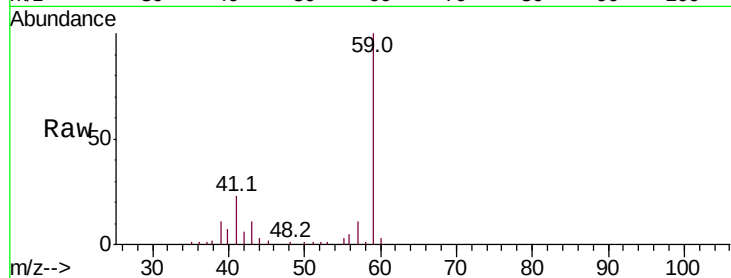
ClientSampleId :

Tot Ion: 59 Resp: 43036

Ion Ratio Lower Upper

59 100

57 8.2 8.5 12.7#



#12

1,1-Dichloroethene

Concen: 50.429 ug/l

RT: 4.04 min Scan# 350

Delta R.T. 0.01 min

Lab File: VW012983.D

Acq: 14 Sep 2019 10:27

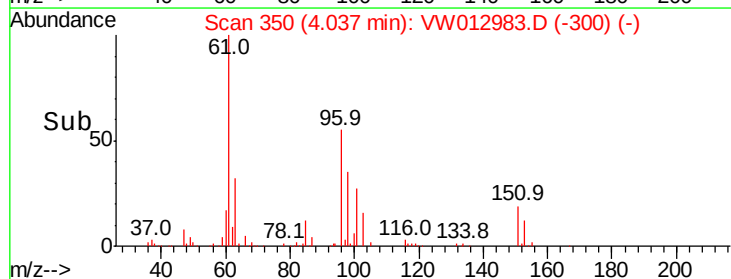
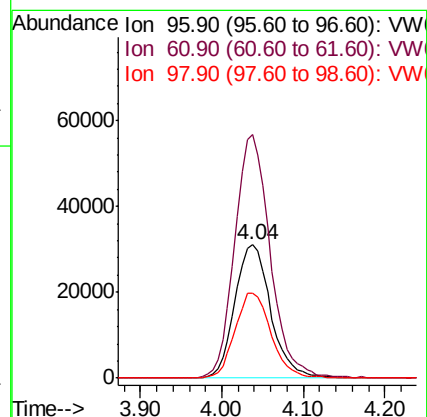
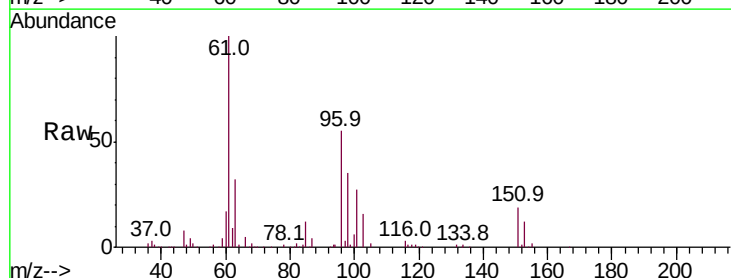
Tgt Ion: 96 Resp: 95264

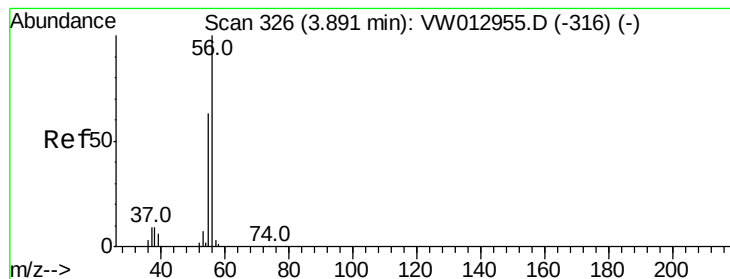
Ion Ratio Lower Upper

96 100

61 183.0 137.9 206.9

98 63.5 48.9 73.3





#13

Acrolein

Concen: 278.578 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW012983.D

Acq: 14 Sep 2019 10:27

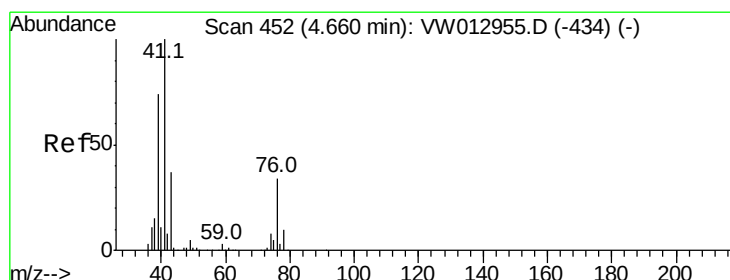
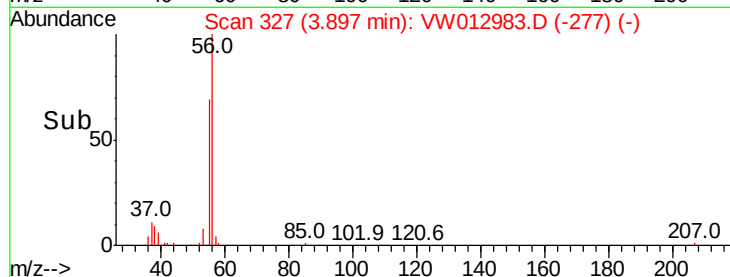
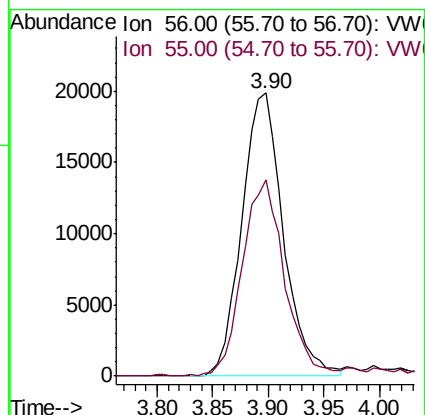
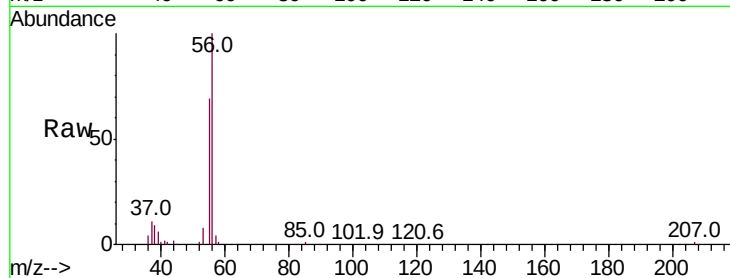
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 51759

Ion Ratio Lower Upper

56 100

55 70.0 55.8 83.8



#14

Allyl chloride

Concen: 51.715 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW012983.D

Acq: 14 Sep 2019 10:27

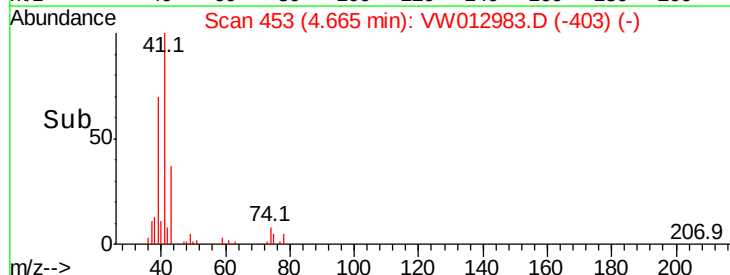
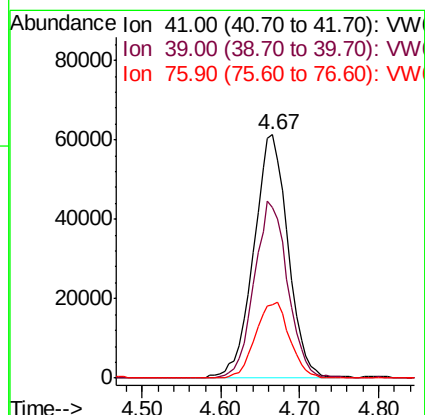
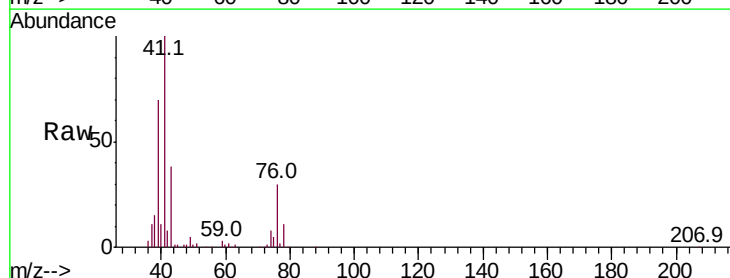
Tgt Ion: 41 Resp: 185462

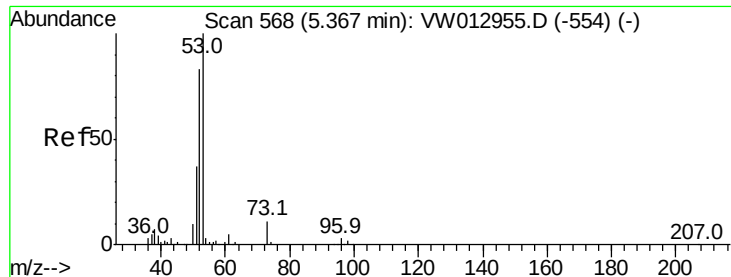
Ion Ratio Lower Upper

41 100

39 70.5 56.7 85.1

76 30.9 25.1 37.7





#15

Acrylonitrile

Concen: 262.205 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW012983.D

Acq: 14 Sep 2019 10:27

Instrument :

MSVOA_W

ClientSampleId :

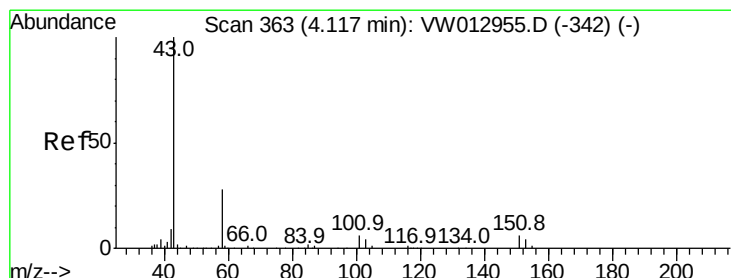
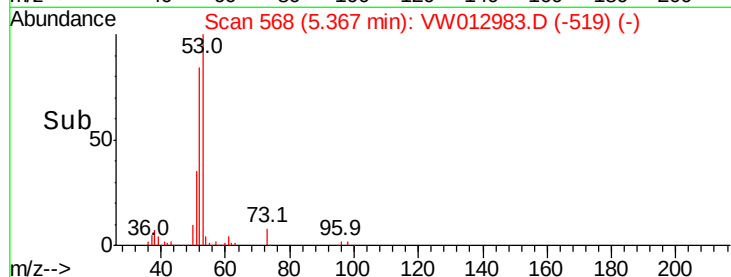
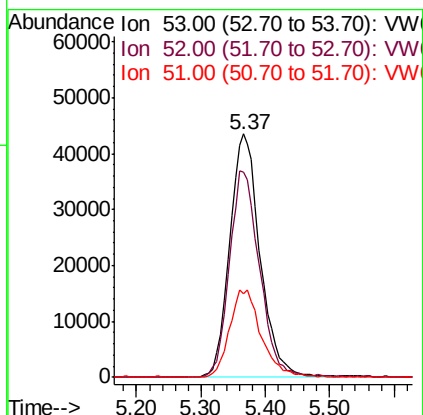
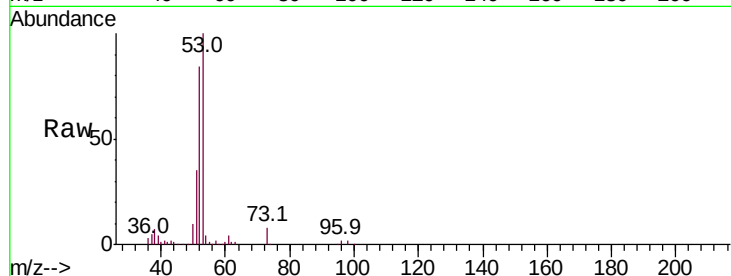
Tot Ion: 53 Resp: 143242

Ion Ratio Lower Upper

53 100

52 83.5 66.6 100.0

51 37.7 29.8 44.8



#16

Acetone

Concen: 300.750 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW012983.D

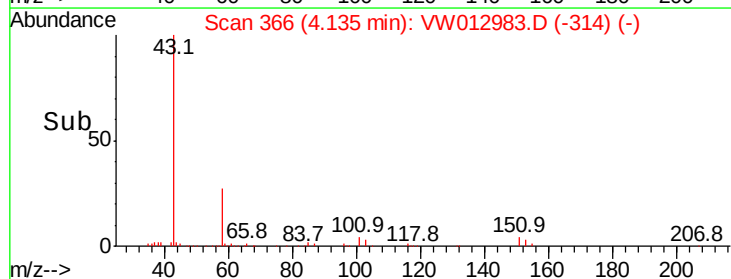
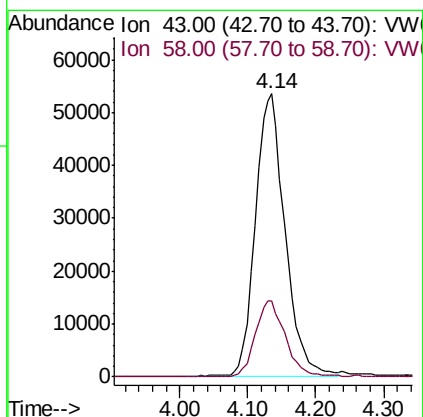
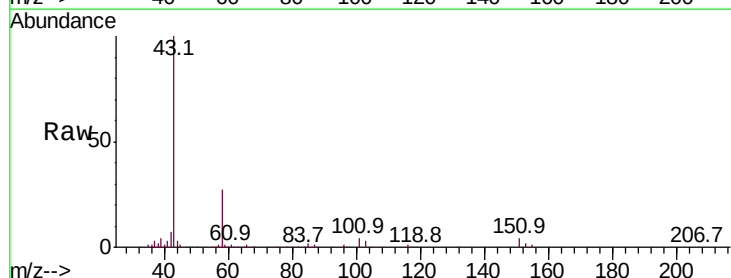
Acq: 14 Sep 2019 10:27

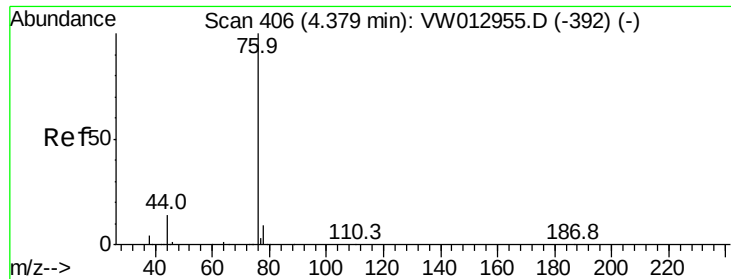
Tgt Ion: 43 Resp: 162772

Ion Ratio Lower Upper

43 100

58 26.7 22.3 33.5

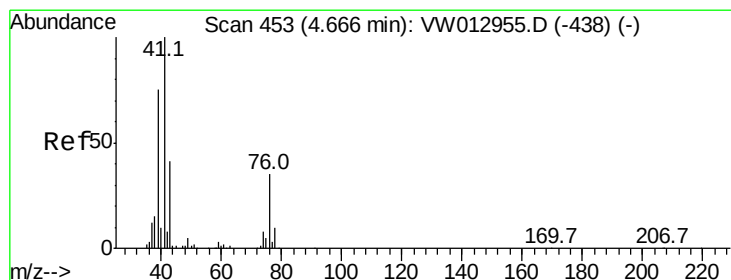
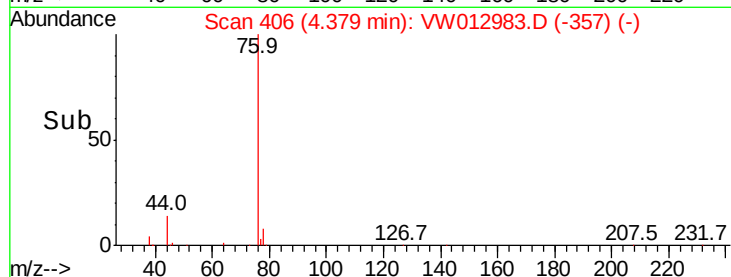
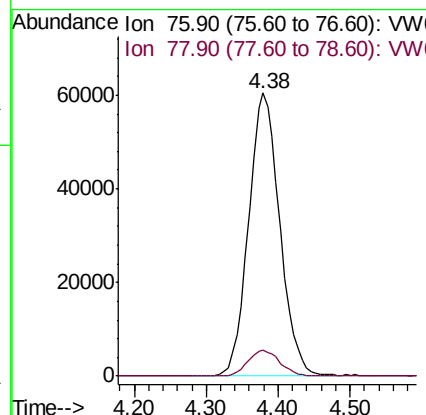
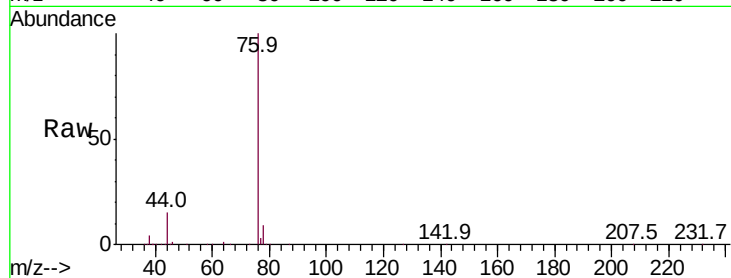




#17
Carbon Disulfide
Concen: 48.217 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW012983.D
Acq: 14 Sep 2019 10:27

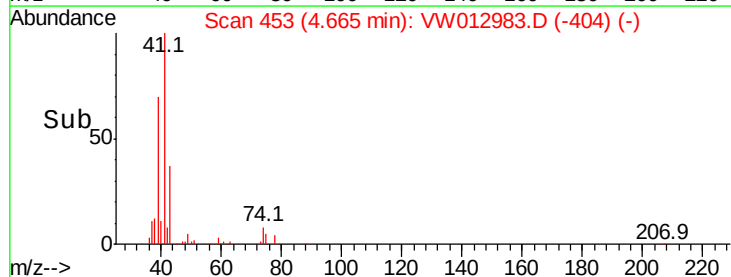
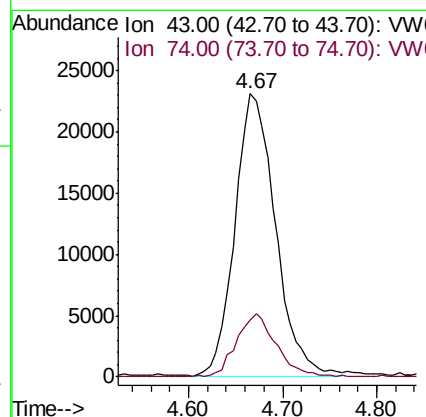
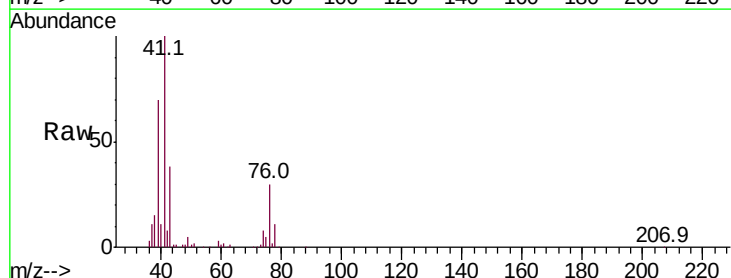
Instrument :
MSVOA_W
ClientSampled :

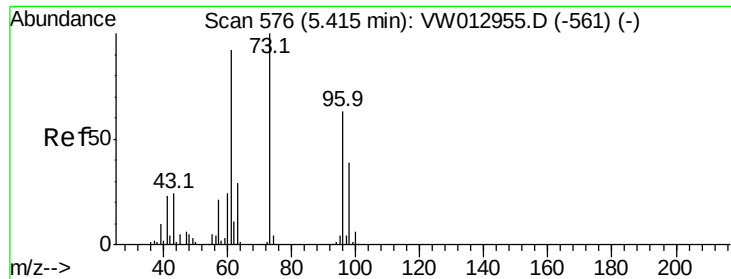
Tot Ion: 76 Resp: 181515
Ion Ratio Lower Upper
76 100
78 9.2 7.0 10.4



#18
Methyl Acetate
Concen: 48.089 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW012983.D
Acq: 14 Sep 2019 10:27

Tgt Ion: 43 Resp: 69250
Ion Ratio Lower Upper
43 100
74 21.9 17.8 26.8

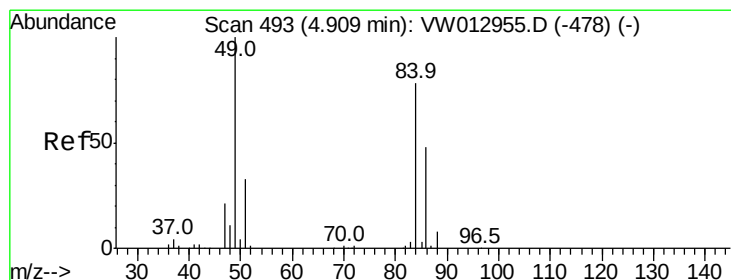
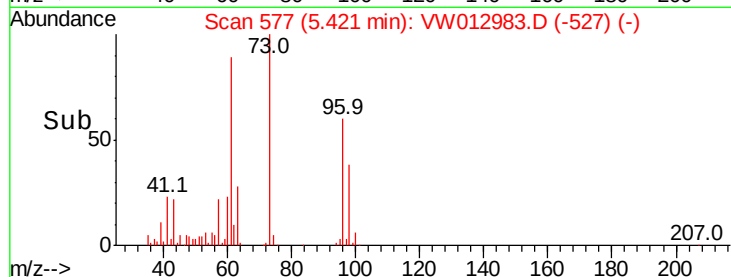
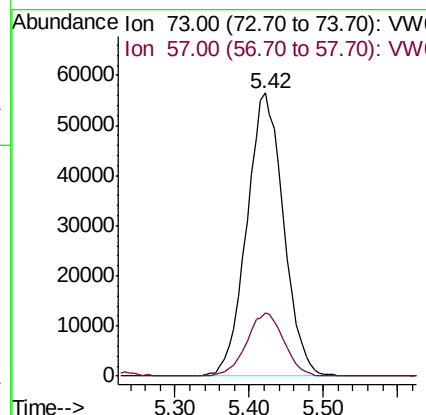
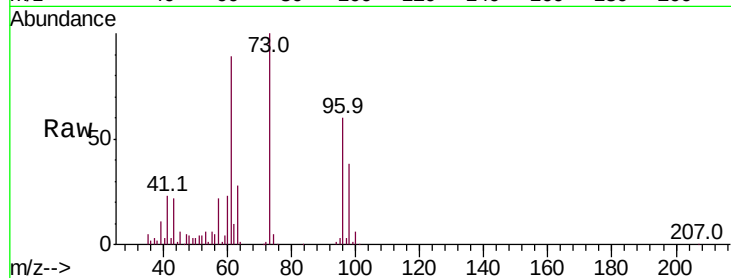




#19
Methyl tert-butyl Ether
Concen: 52.384 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.01 min
Lab File: VW012983.D
Acq: 14 Sep 2019 10:27

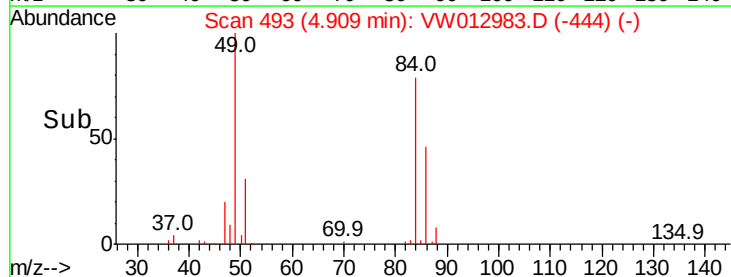
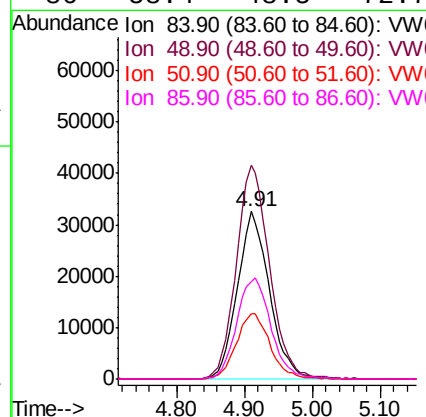
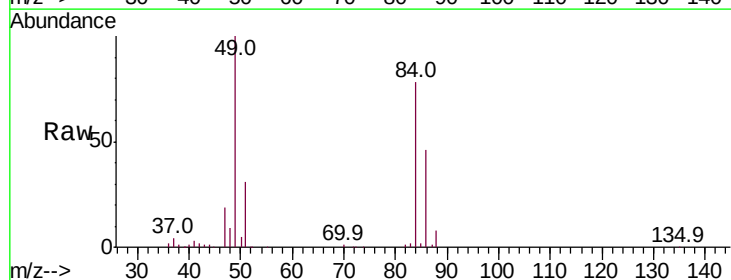
Instrument :
MSVOA_W
ClientSampled :

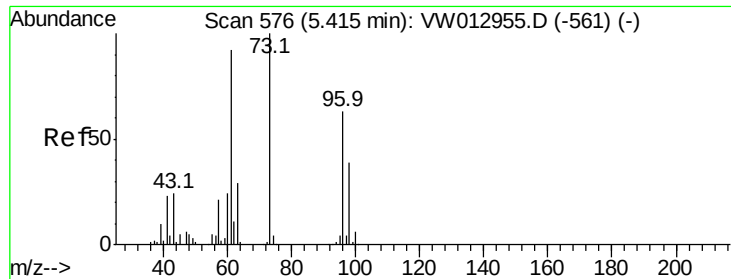
Tot Ion: 73 Resp: 195337
Ion Ratio Lower Upper
73 100
57 22.5 16.4 24.6



#20
Methylene Chloride
Concen: 52.398 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW012983.D
Acq: 14 Sep 2019 10:27

Tgt Ion: 84 Resp: 106490
Ion Ratio Lower Upper
84 100
49 127.6 102.0 153.0
51 39.1 34.0 51.0
86 58.4 48.5 72.7





#21

trans-1,2-Dichloroethene

Concen: 49.335 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW012983.D

Acq: 14 Sep 2019 10:27

Instrument :

MSVOA_W

ClientSampleId :

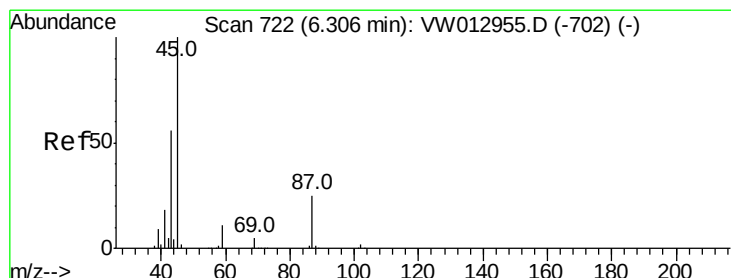
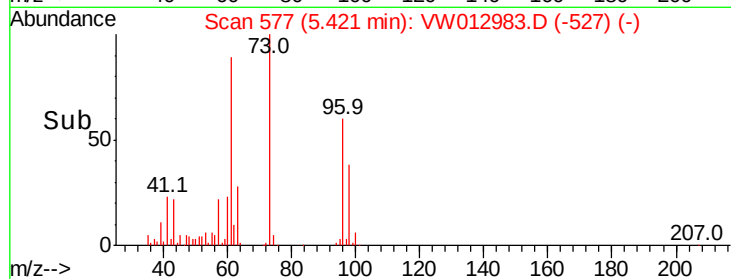
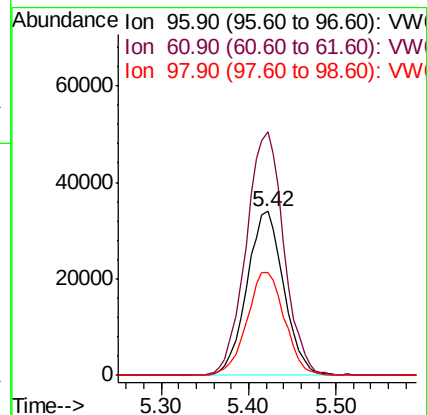
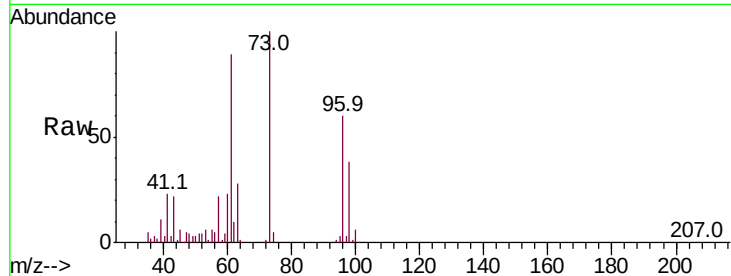
Tot Ion: 96 Resp: 99817

Ion Ratio Lower Upper

96 100

61 148.5 116.2 174.2

98 62.4 49.8 74.6



#22

Diisopropyl ether

Concen: 51.847 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW012983.D

Acq: 14 Sep 2019 10:27

Tgt Ion: 45 Resp: 386268

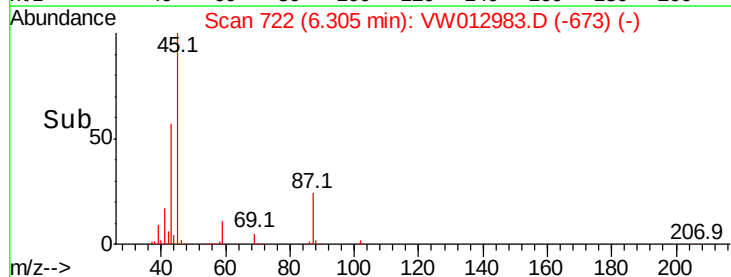
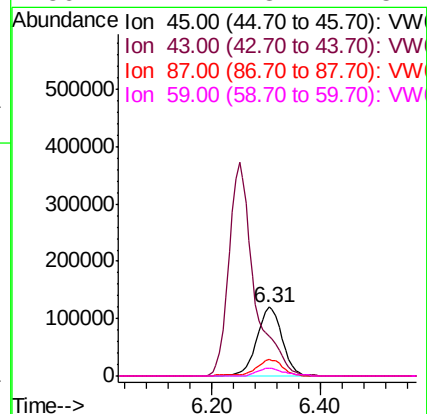
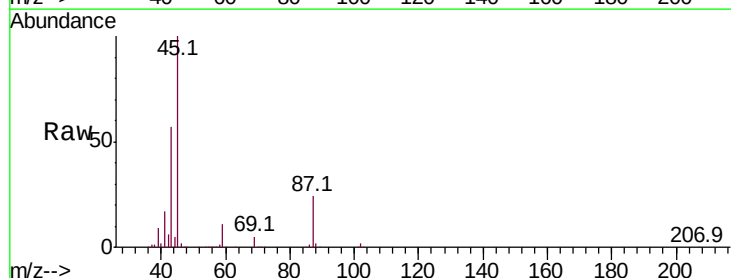
Ion Ratio Lower Upper

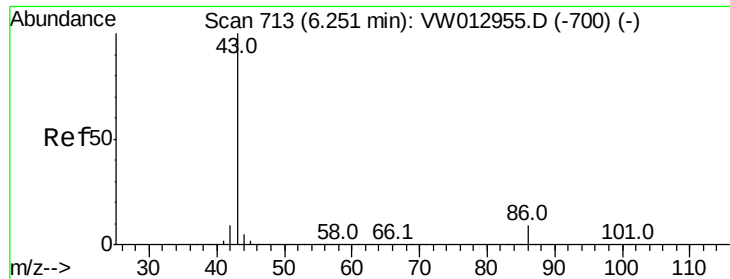
45 100

43 57.4 44.6 67.0

87 23.6 20.0 30.0

59 11.1 8.7 13.1





#23

Vinyl Acetate

Concen: 268.730 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012983.D

Acq: 14 Sep 2019 10:27

Instrument :

MSVOA_W

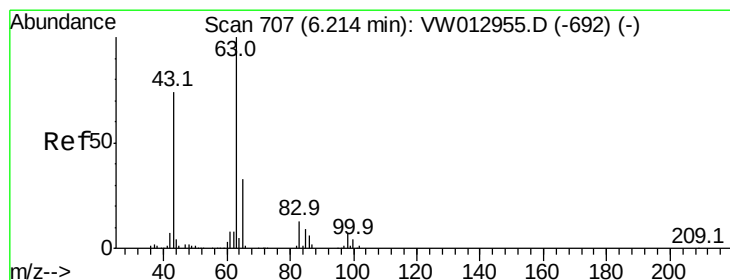
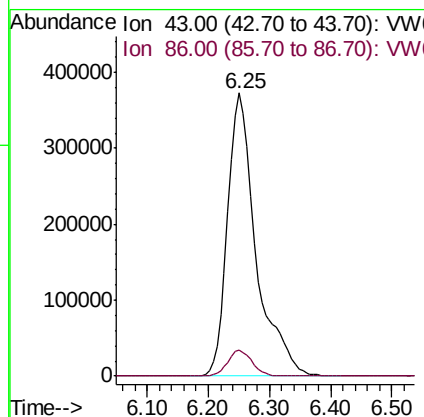
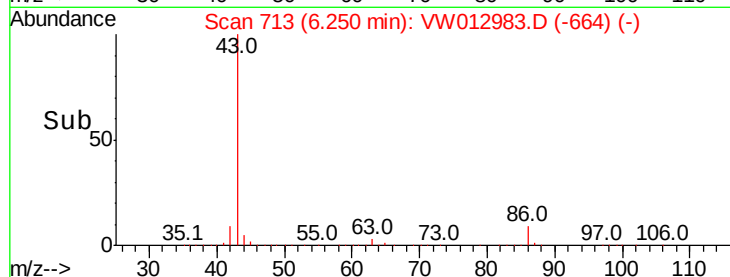
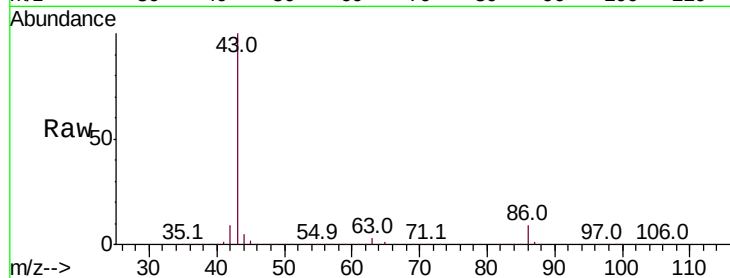
ClientSampleId :

Tot Ion: 43 Resp: 1199131

Ion Ratio Lower Upper

43 100

86 9.1 7.0 10.6



#24

1,1-Dichloroethane

Concen: 50.247 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW012983.D

Acq: 14 Sep 2019 10:27

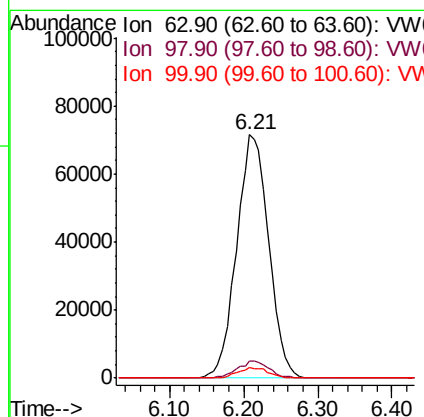
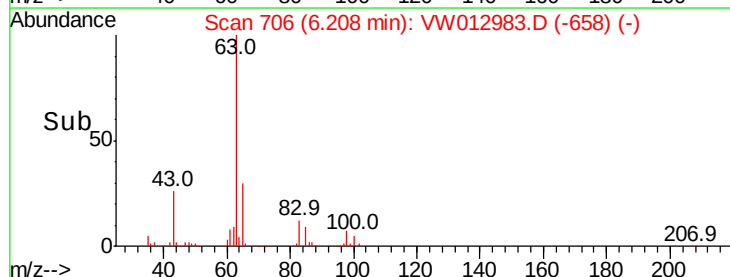
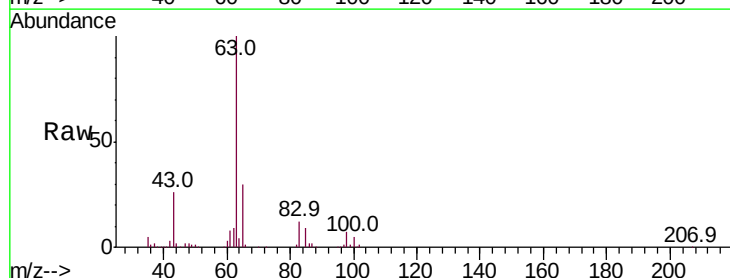
Tgt Ion: 63 Resp: 215839

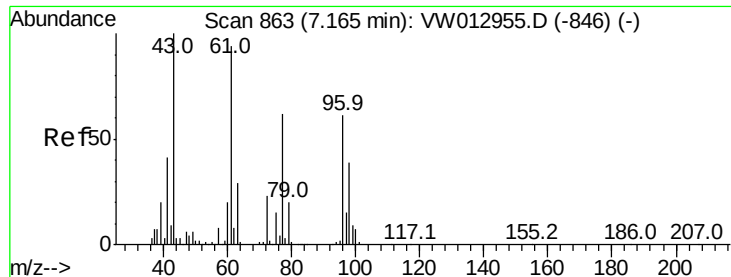
Ion Ratio Lower Upper

63 100

98 6.8 3.3 9.9

100 4.5 1.8 5.5





#25

2-Butanone

Concen: 267.139 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW012983.D

Acq: 14 Sep 2019 10:27

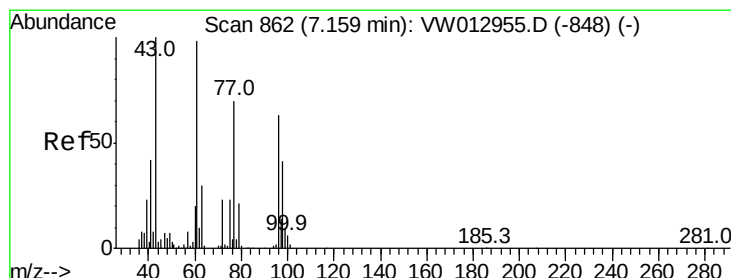
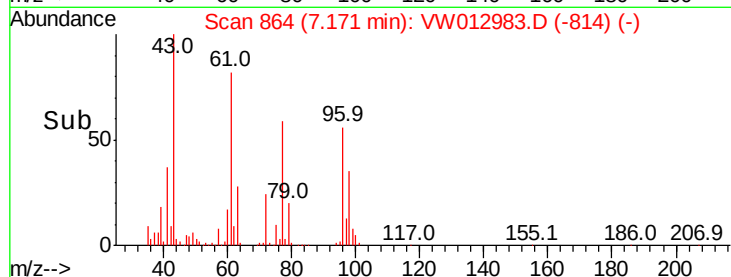
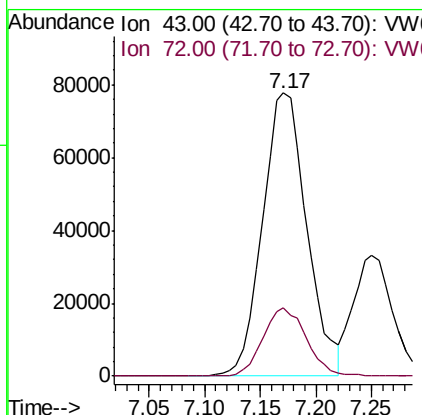
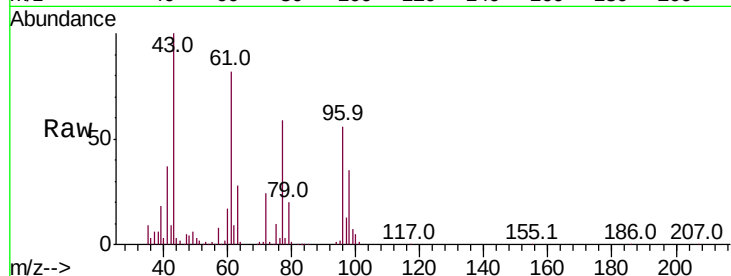
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 214703

Ion Ratio Lower Upper

43 100

72 24.3 18.2 27.4



#26

2,2-Dichloropropane

Concen: 54.534 ug/l

RT: 7.16 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW012983.D

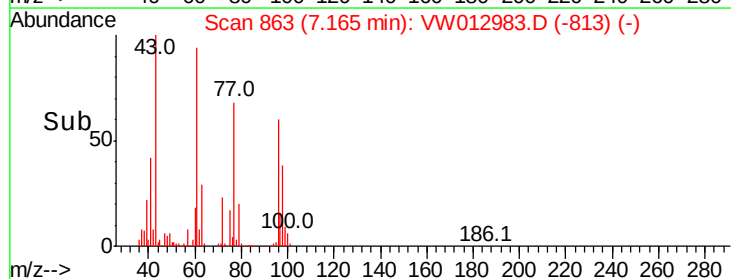
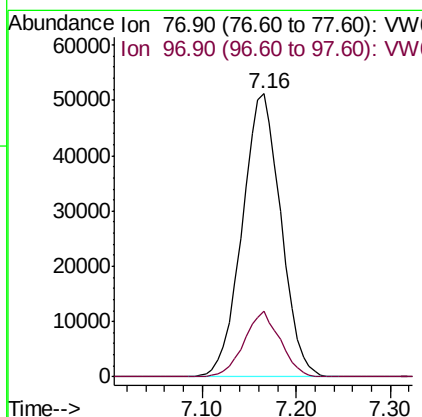
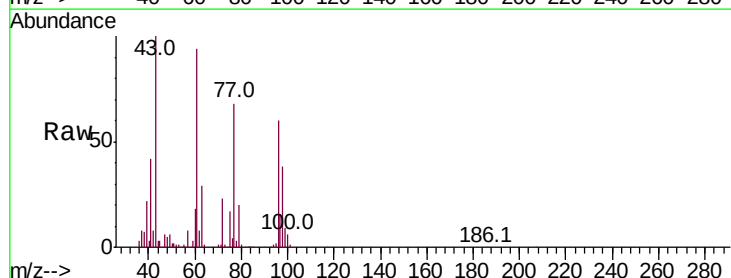
Acq: 14 Sep 2019 10:27

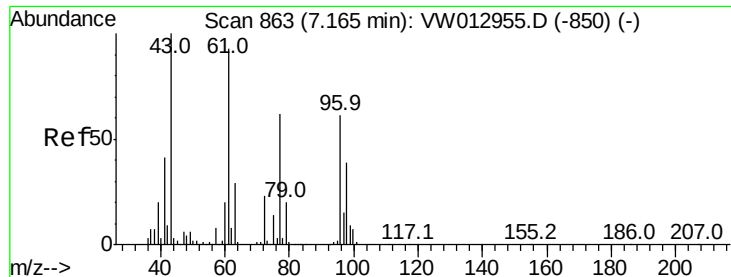
Tgt Ion: 77 Resp: 147593

Ion Ratio Lower Upper

77 100

97 21.8 10.7 32.1



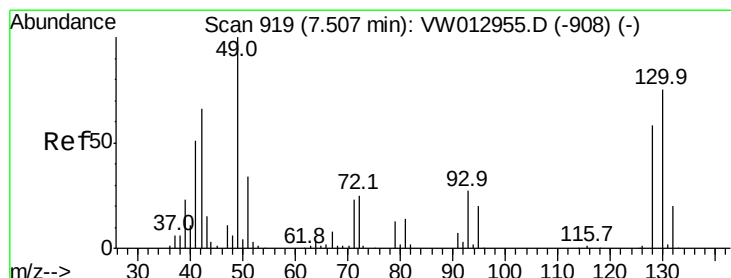
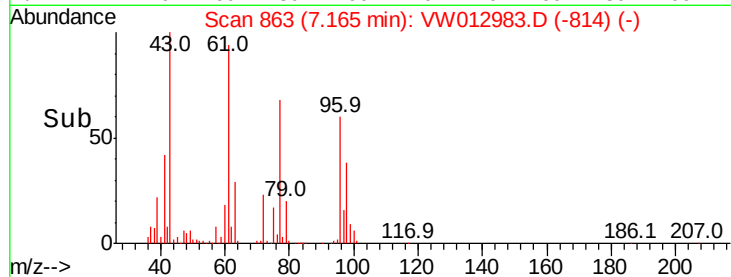
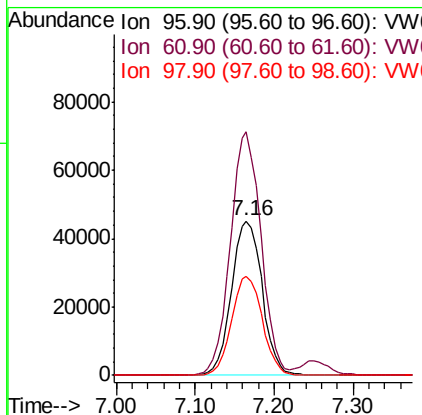
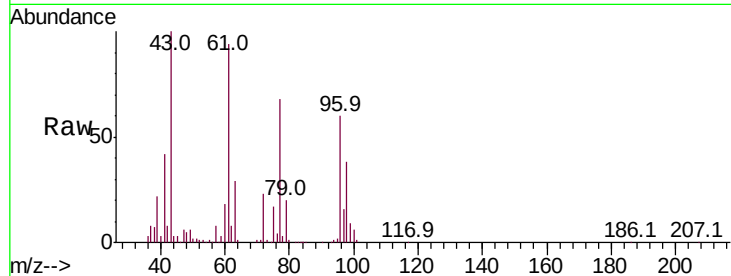


#27

cis-1,2-Dichloroethene
Concen: 50.454 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW012983.D
Acq: 14 Sep 2019 10:27

Instrument :
MSVOA_W
ClientSampled :

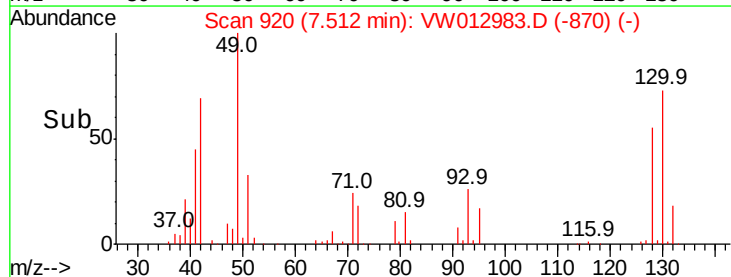
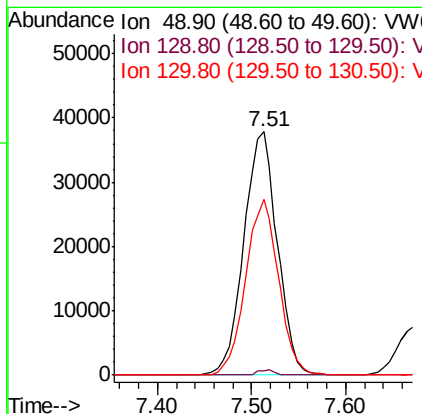
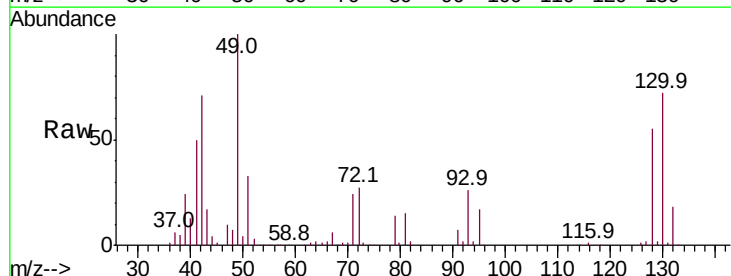
Tot Ion	Ratio	Lower	Upper
96	100		
61	157.1	0.0	315.4
98	64.1	0.0	131.0

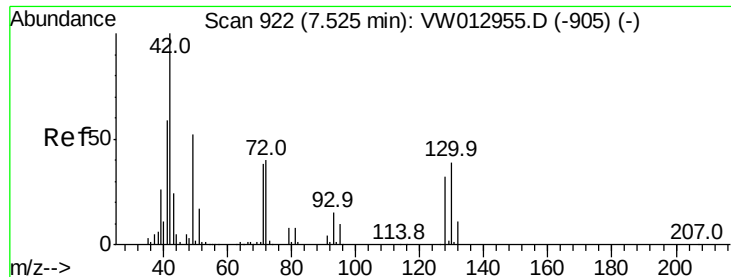


#28

Bromochloromethane
Concen: 52.310 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW012983.D
Acq: 14 Sep 2019 10:27

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	1.4
130	71.0	57.8	86.6

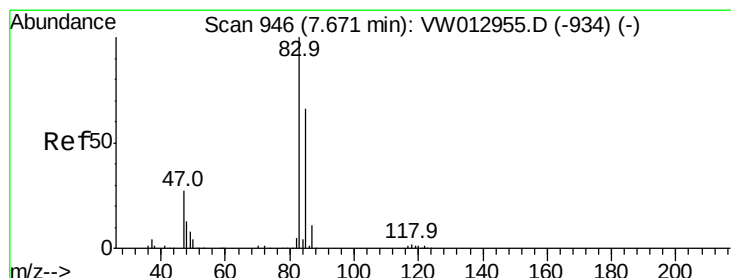
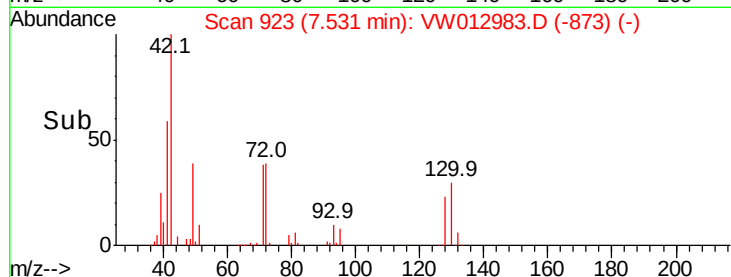
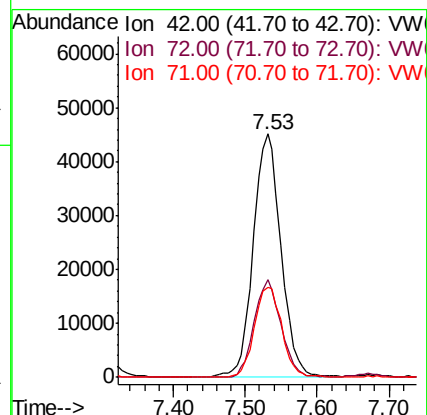
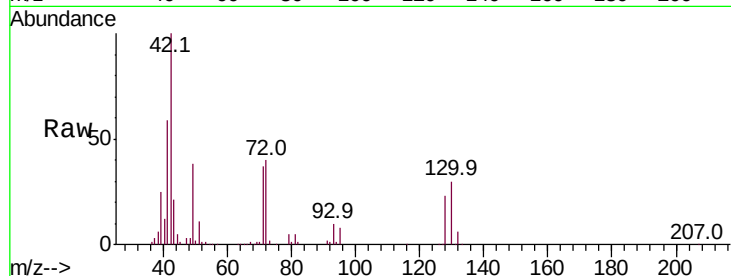




#29
Tetrahydrofuran
Concen: 264.360 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW012983.D
Acq: 14 Sep 2019 10:27

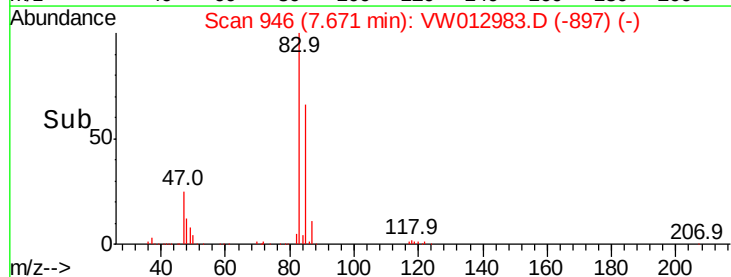
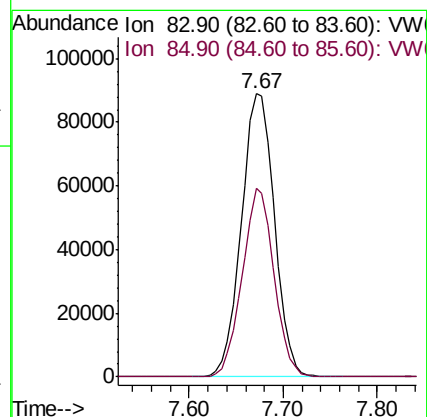
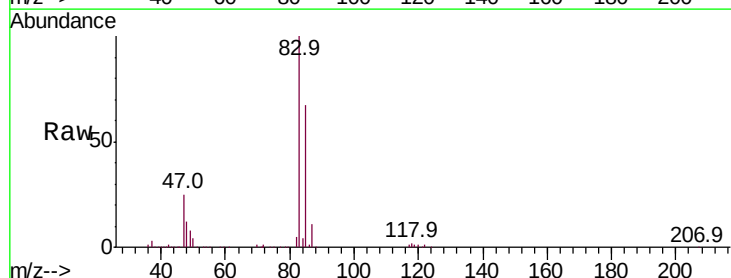
Instrument :
MSVOA_W
ClientSampled :

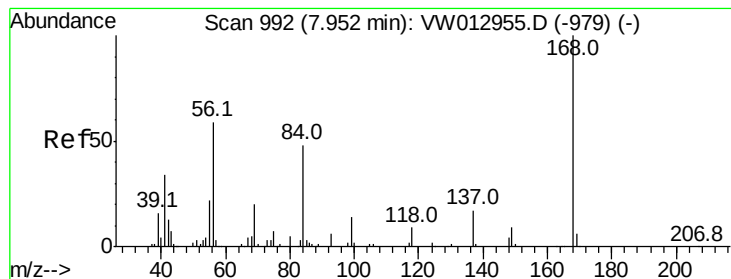
Tot Ion: 42 Resp: 121061
Ion Ratio Lower Upper
42 100
72 38.6 31.4 47.0
71 36.9 29.8 44.8



#30
Chloroform
Concen: 50.025 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW012983.D
Acq: 14 Sep 2019 10:27

Tgt Ion: 83 Resp: 218338
Ion Ratio Lower Upper
83 100
85 66.7 52.8 79.2





#31

Cyclohexane

Concen: 53.788 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW012983.D

Acq: 14 Sep 2019 10:27

Instrument :

MSVOA_W

ClientSampled :

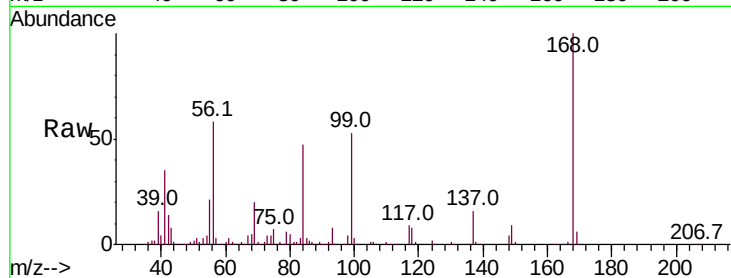
Tot Ion: 56 Resp: 172402

Ion Ratio Lower Upper

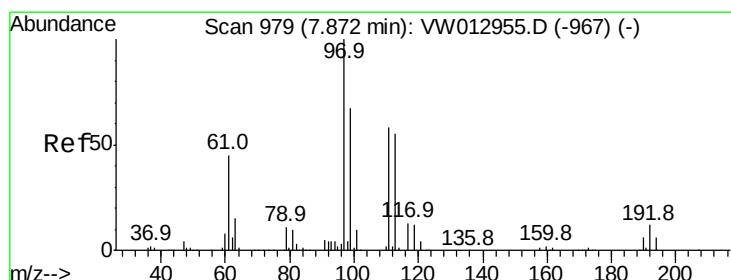
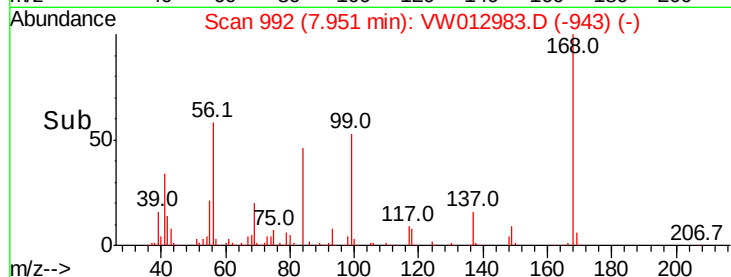
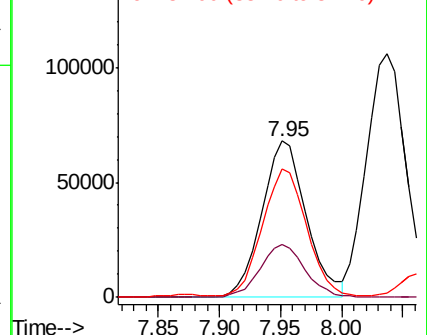
56 100

69 34.2 27.0 40.6

84 80.9 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: 50.674 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW012983.D

Acq: 14 Sep 2019 10:27

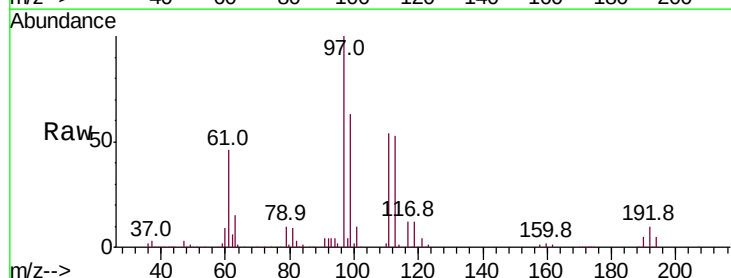
Tgt Ion: 97 Resp: 182139

Ion Ratio Lower Upper

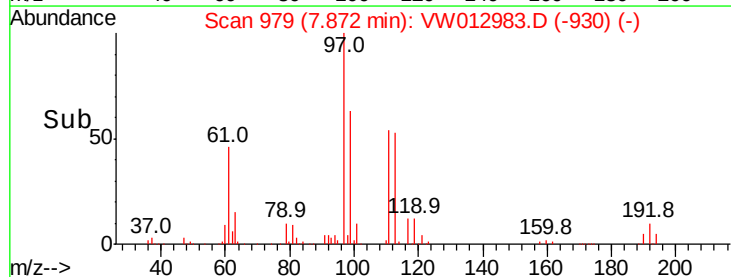
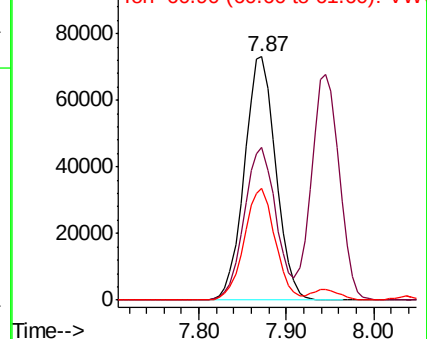
97 100

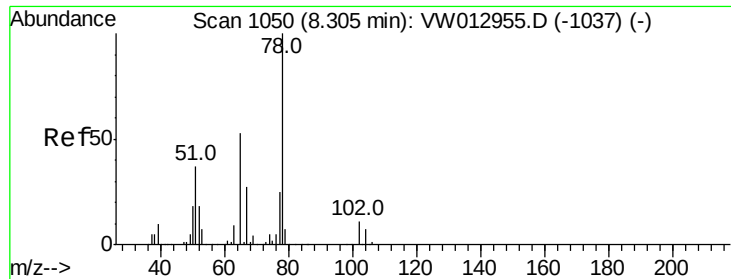
99 63.6 53.0 79.4

61 45.2 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

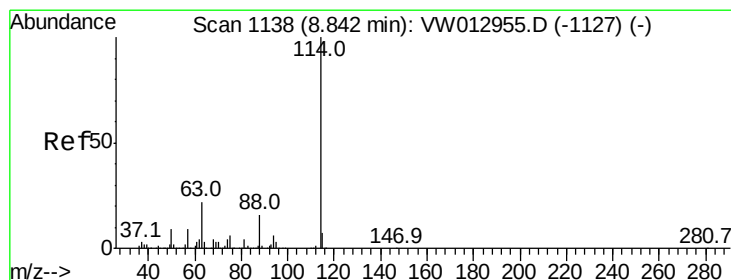
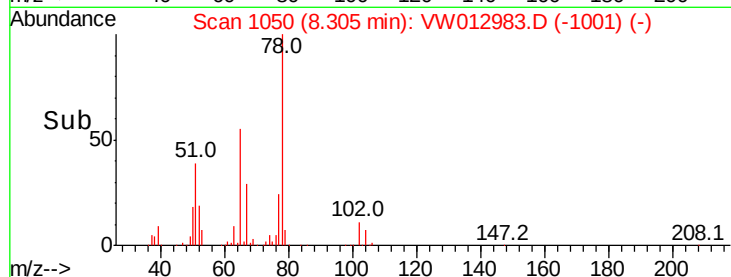
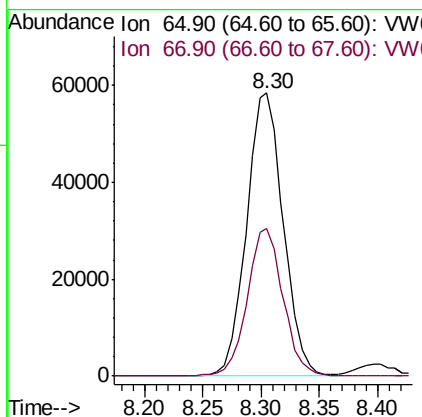
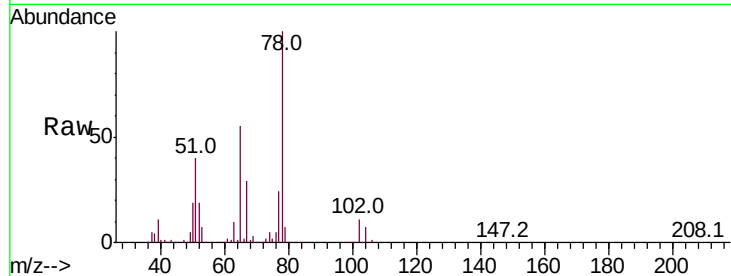




#33
 1,2-Dichloroethane-d4
 Concen: 50.772 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012983.D
 Acq: 14 Sep 2019 10:27

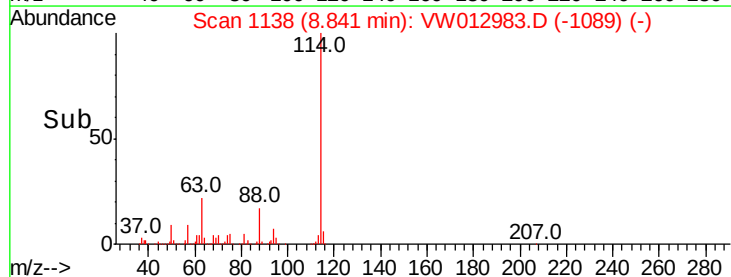
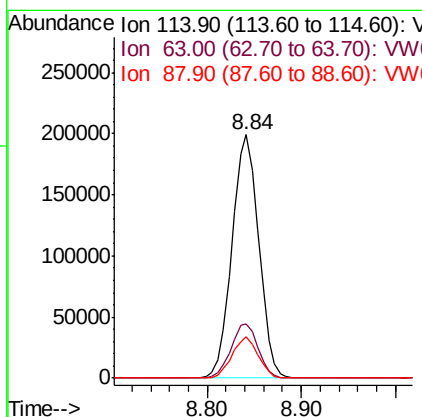
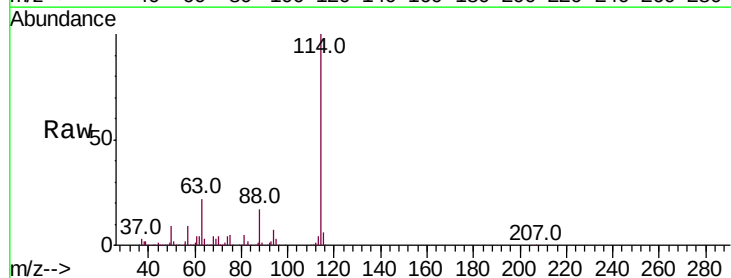
Instrument :
 MSVOA_W
 ClientSampleId :

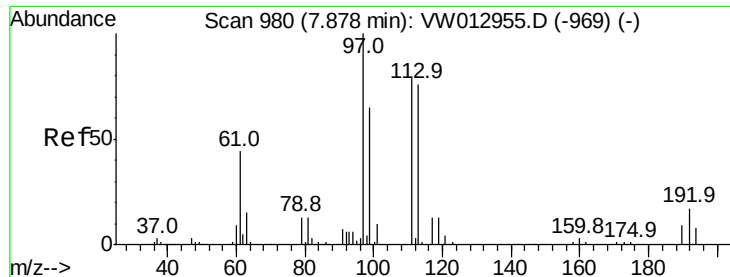
Tot Ion: 65 Resp: 128330
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012983.D
 Acq: 14 Sep 2019 10:27

Tgt Ion: 114 Resp: 392922
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 43.4
 88 17.2 0.0 31.6

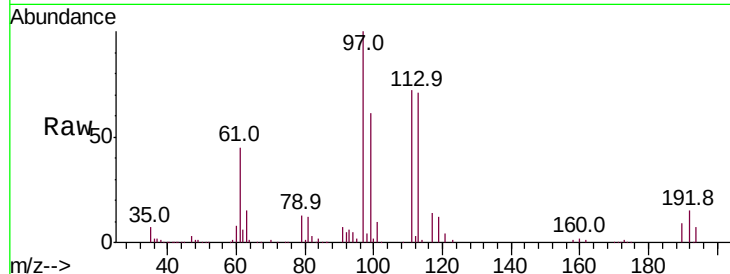




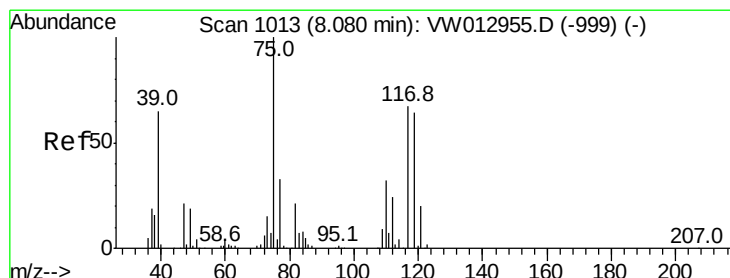
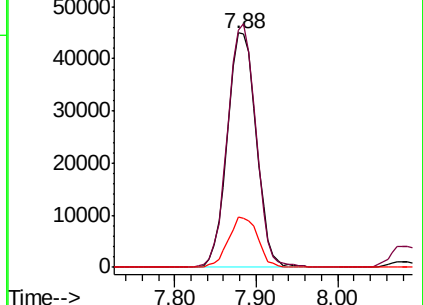
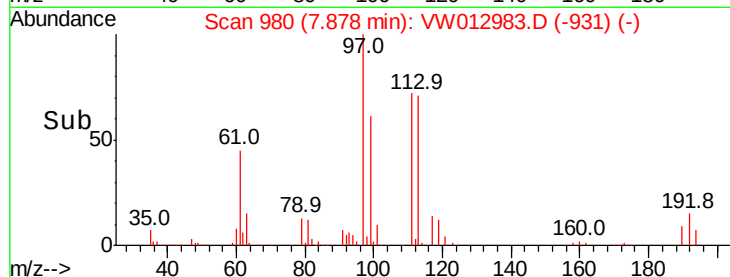
#35
 Dibromofluoromethane
 Concen: 51.549 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW012983.D
 Acq: 14 Sep 2019 10:27

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:113 Resp: 109904
 Ion Ratio Lower Upper
 113 100
 111 101.8 82.8 124.2
 192 21.6 17.8 26.8

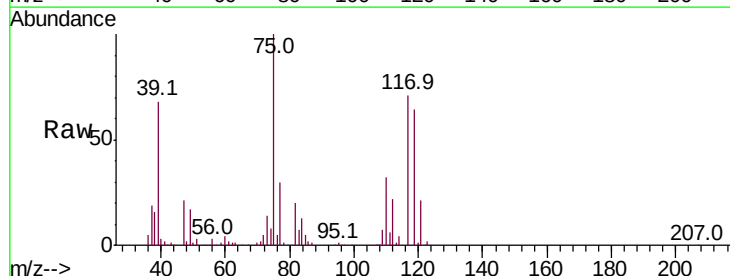


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

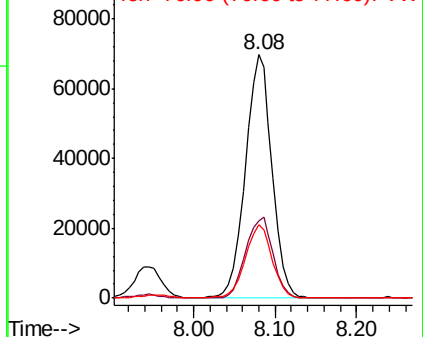
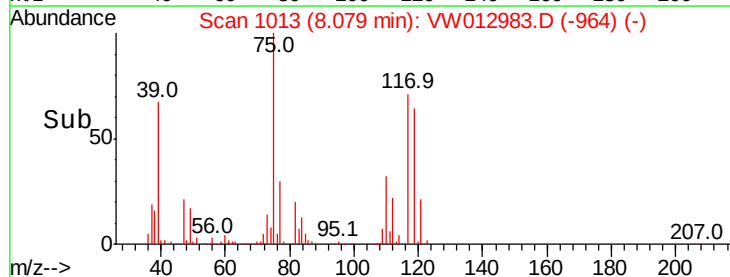


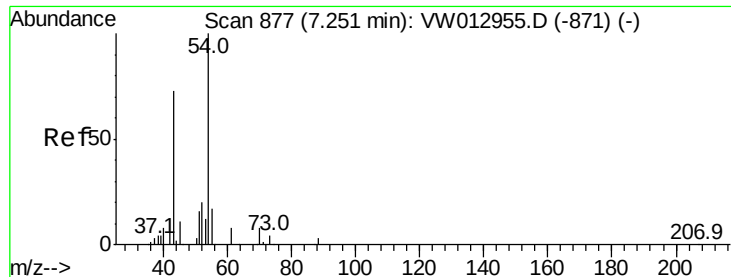
#36
 1,1-Dichloropropene
 Concen: 50.255 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW012983.D
 Acq: 14 Sep 2019 10:27

Tgt Ion: 75 Resp: 157791
 Ion Ratio Lower Upper
 75 100
 110 34.2 16.4 49.1
 77 30.5 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

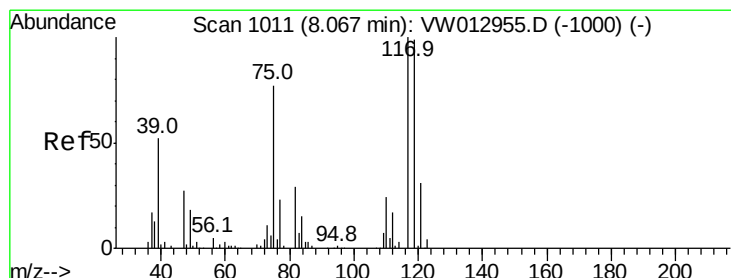
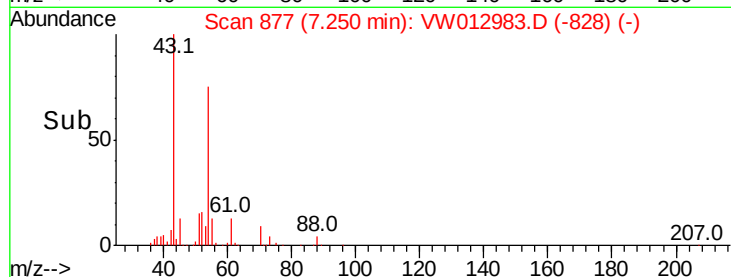
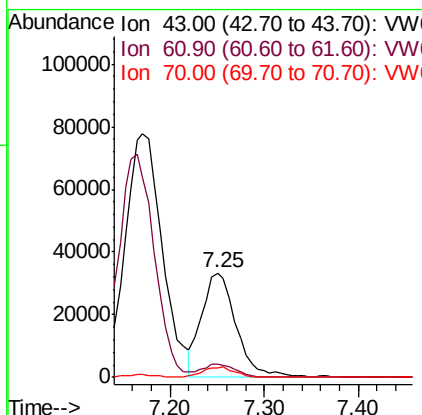
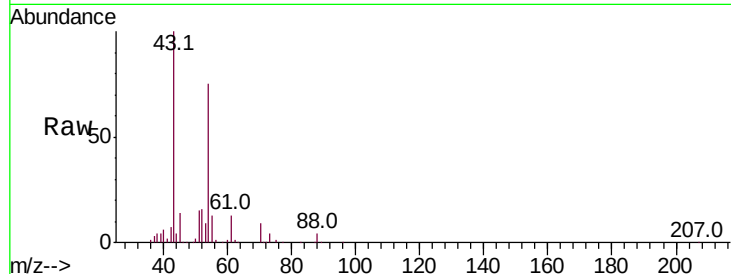




#37
Ethyl Acetate
Concen: 49.937 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012983.D
Acq: 14 Sep 2019 10:27

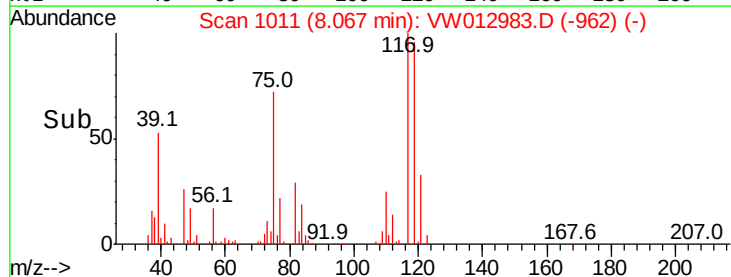
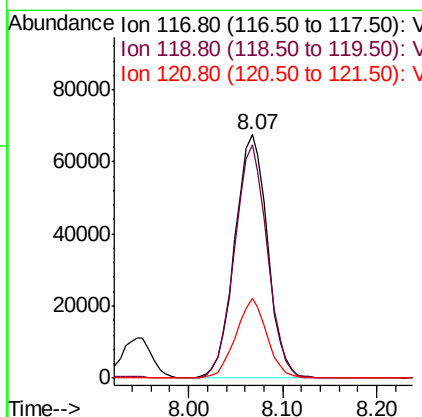
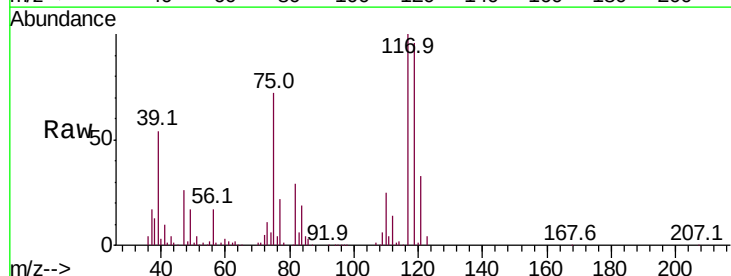
Instrument :
MSVOA_W
ClientSampled :

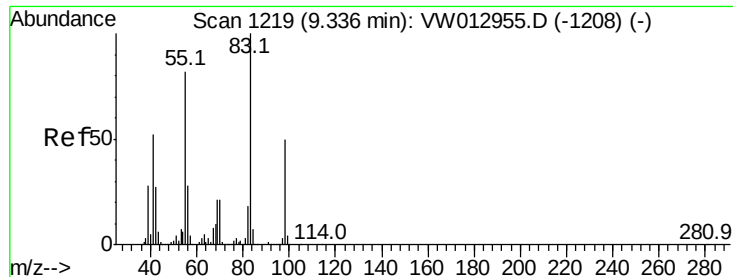
Tot Ion: 43 Resp: 83223
Ion Ratio Lower Upper
43 100
61 13.2 9.6 14.4
70 9.5 7.6 11.4



#38
Carbon Tetrachloride
Concen: 50.954 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012983.D
Acq: 14 Sep 2019 10:27

Tgt Ion: 117 Resp: 163949
Ion Ratio Lower Upper
117 100
119 96.1 79.4 119.0
121 32.7 24.6 36.8

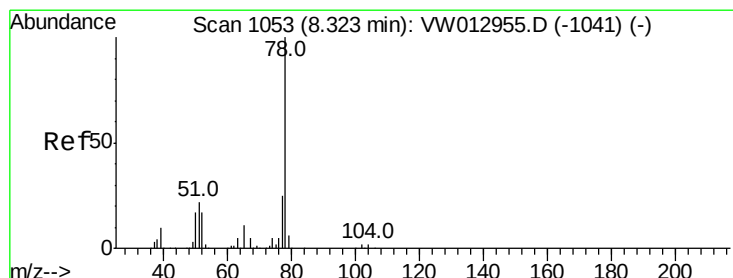
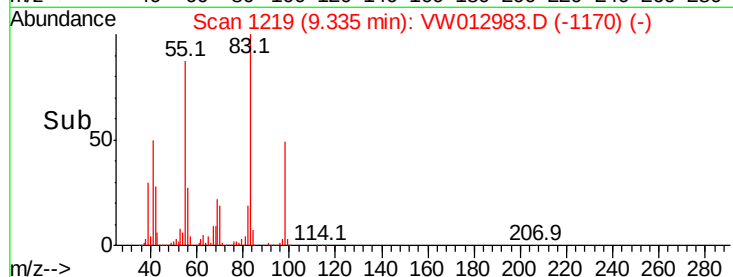
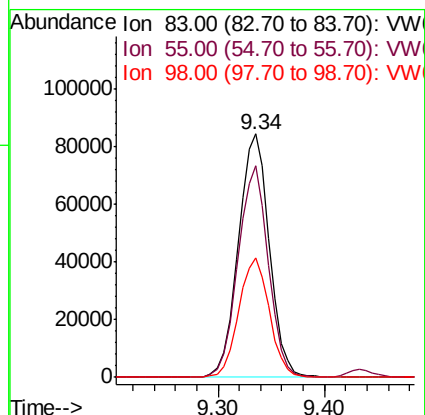
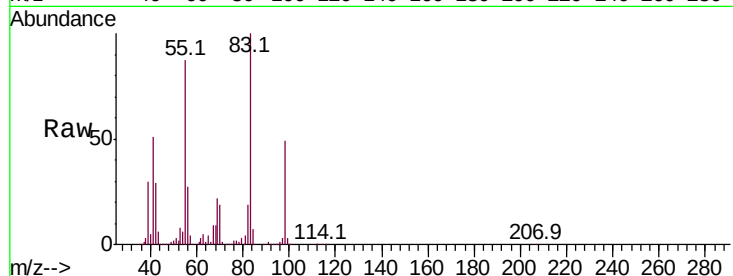




#39
Methylvlcyclohexane
Concen: 49.939 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012983.D
Acq: 14 Sep 2019 10:27

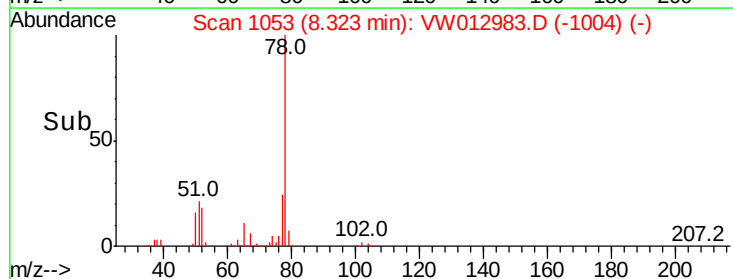
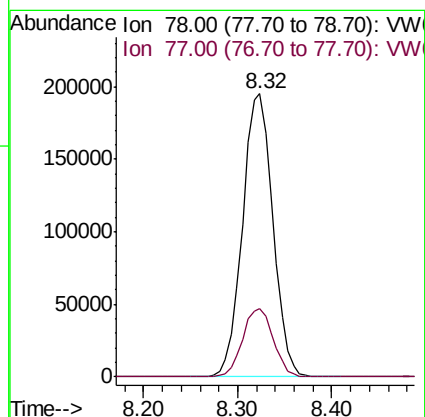
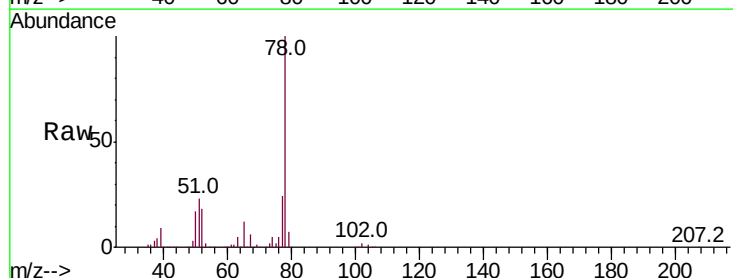
Instrument :
MSVOA_W
ClientSampled :

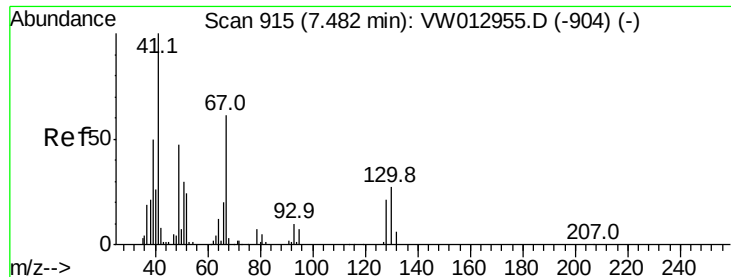
Tot Ion	83	Resp	171818
Ion	Ratio	Lower	Upper
83	100		
55	86.8	65.9	98.9
98	49.1	39.6	59.4



#40
Benzene
Concen: 50.288 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012983.D
Acq: 14 Sep 2019 10:27

Tgt Ion	78	Resp	440782
Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.6	29.4

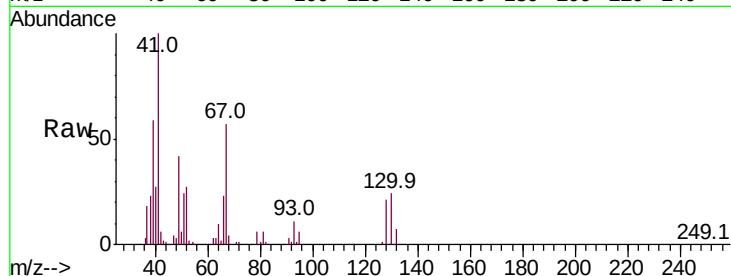




#41
Methacrylonitrile
Concen: 53.766 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW012983.D
Acq: 14 Sep 2019 10:27

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:	41	Resp:	59008
Ion	Ratio	Lower	Upper
41	100		
39	53.6	48.2	72.4
67	56.3	47.5	71.3
52	25.9	21.0	31.4



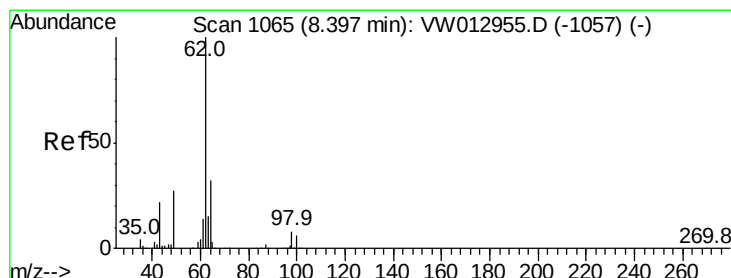
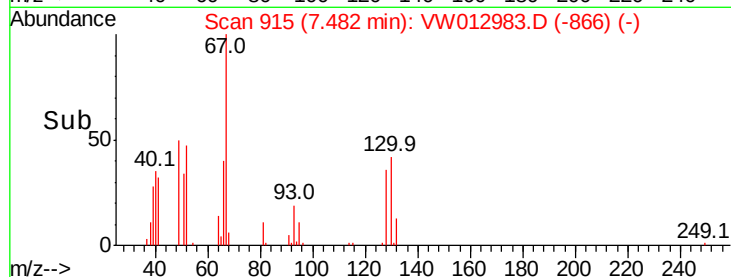
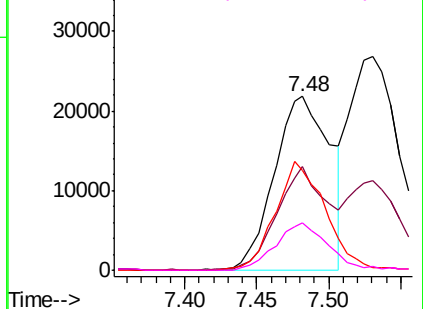
Abundance

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

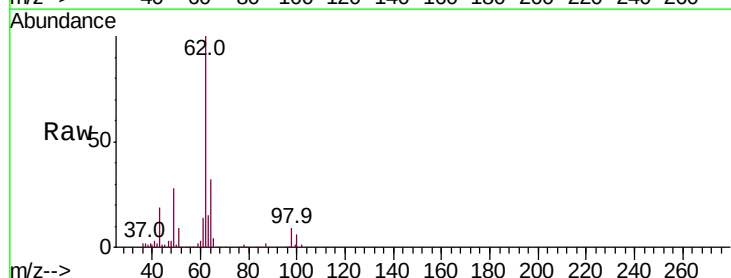
Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42
1,2-Dichloroethane
Concen: 50.556 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012983.D
Acq: 14 Sep 2019 10:27

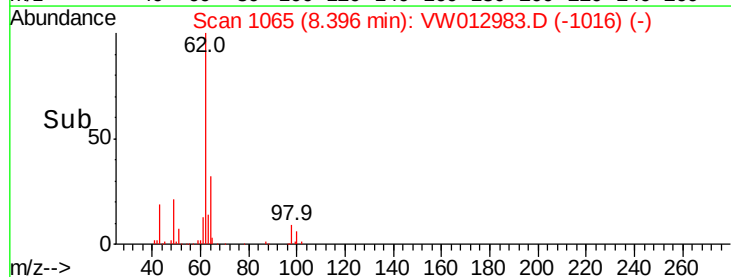
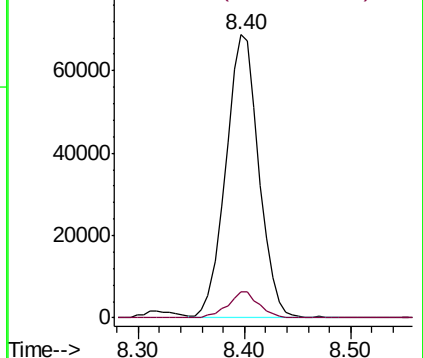
Tgt Ion:	62	Resp:	148548
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	16.8

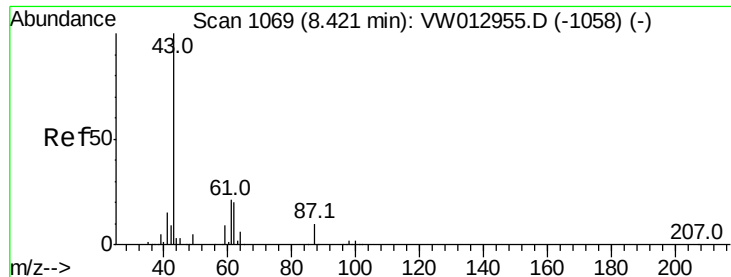


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 52.092 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012983.D

Acq: 14 Sep 2019 10:27

Instrument :

MSVOA_W

ClientSampleId :

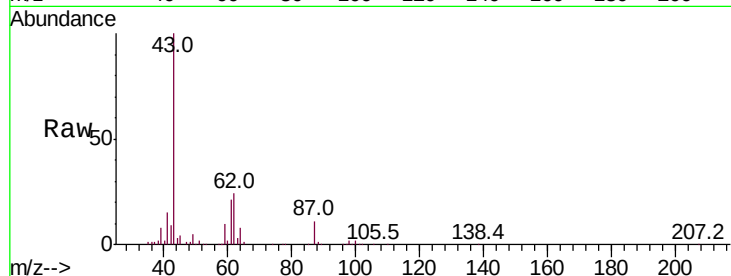
Tot Ion: 43 Resp: 166687

Ion Ratio Lower Upper

43 100

61 28.8 22.7 34.1

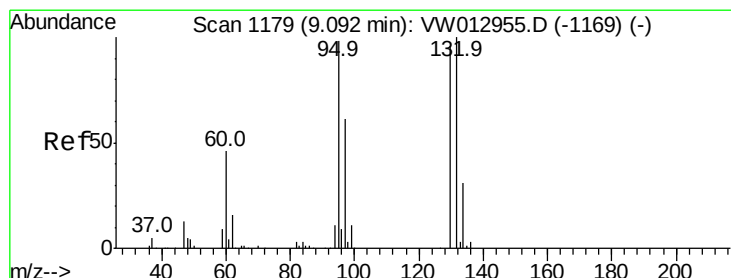
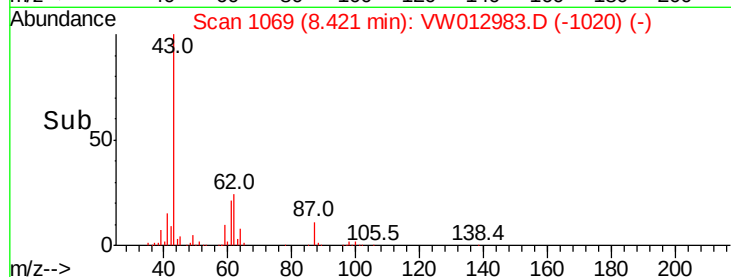
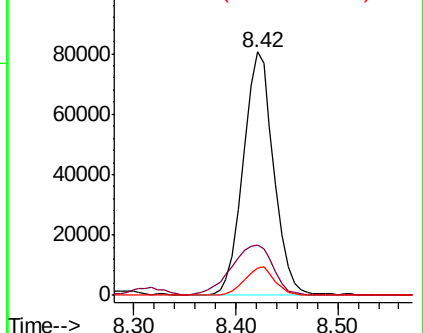
87 11.6 9.4 14.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 50.026 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW012983.D

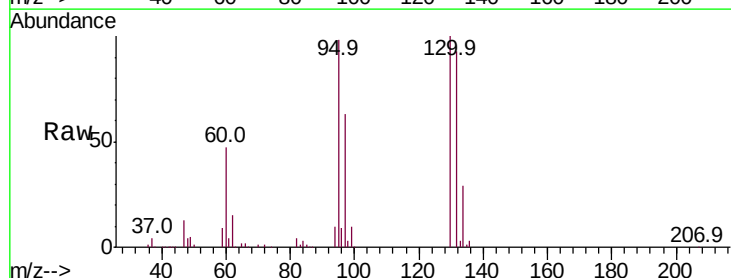
Acq: 14 Sep 2019 10:27

Tgt Ion:130 Resp: 120107

Ion Ratio Lower Upper

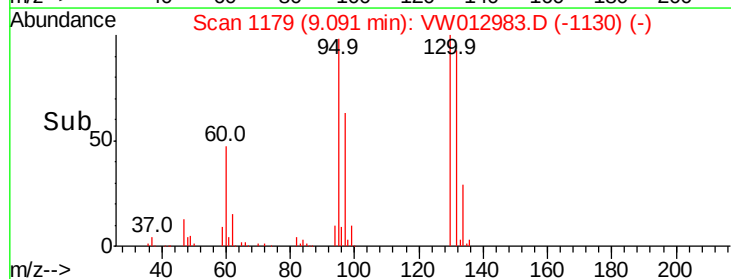
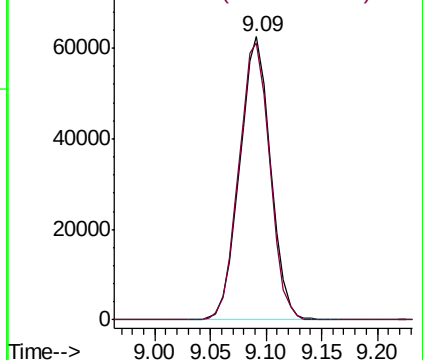
130 100

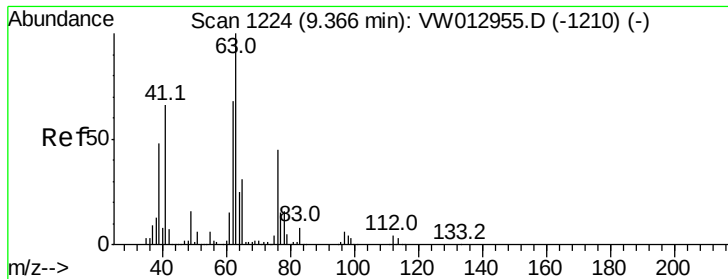
95 97.6 0.0 204.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 50.478 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW012983.D

Acq: 14 Sep 2019 10:27

Instrument :

MSVOA_W

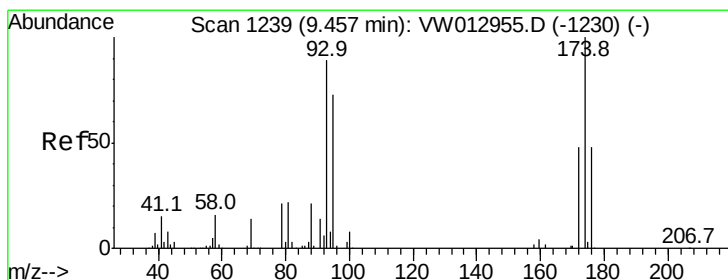
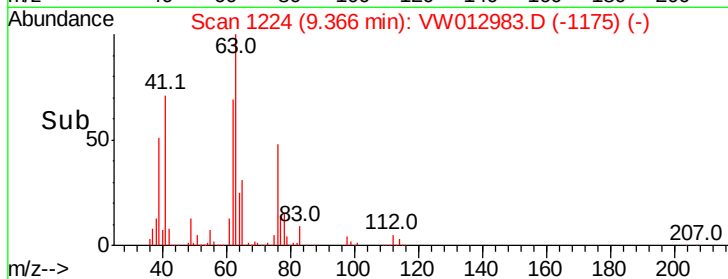
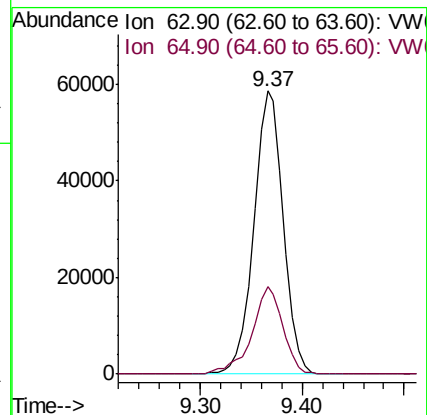
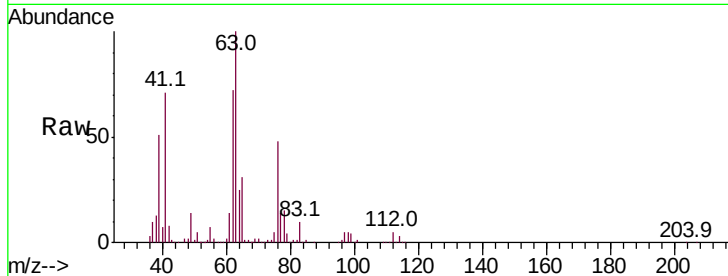
ClientSampleId :

Tot Ion: 63 Resp: 117552

Ion Ratio Lower Upper

63 100

65 31.0 24.6 37.0



#46

Dibromomethane

Concen: 51.300 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW012983.D

Acq: 14 Sep 2019 10:27

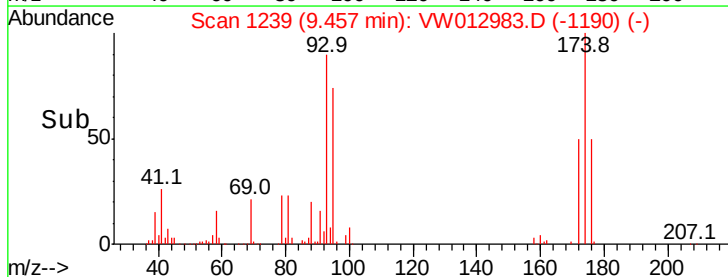
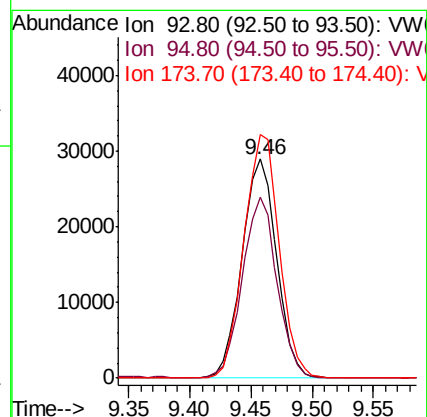
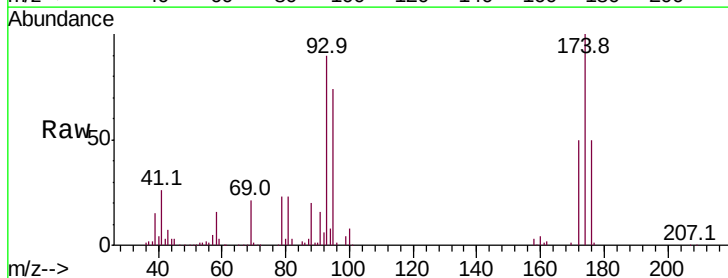
Tgt Ion: 93 Resp: 57236

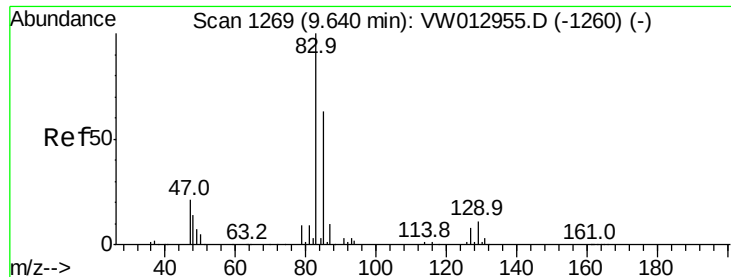
Ion Ratio Lower Upper

93 100

95 82.2 67.0 100.4

174 112.9 90.5 135.7





#47

Bromodichloromethane

Concen: 51.864 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW012983.D

Acq: 14 Sep 2019 10:27

Instrument :
MSVOA_W
ClientSampled :

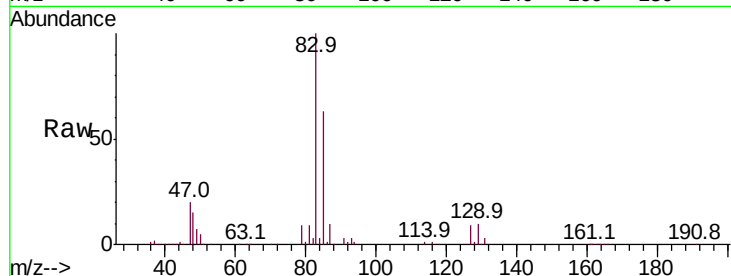
Tot Ion: 83 Resp: 162312

Ion Ratio Lower Upper

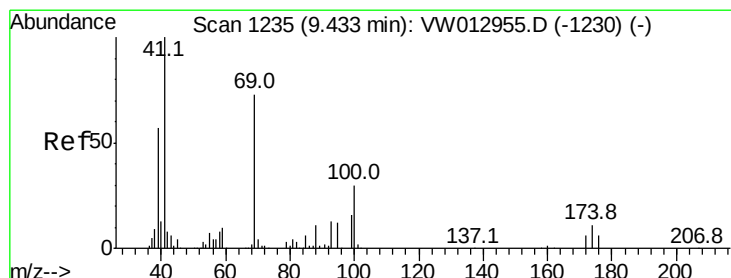
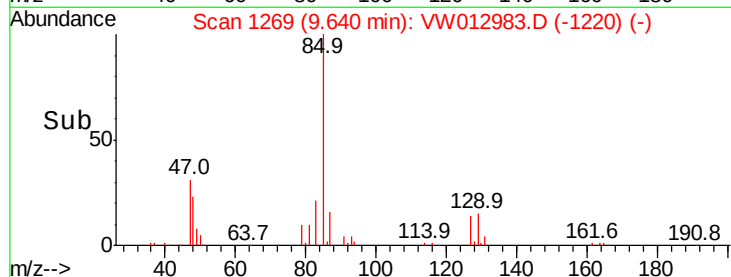
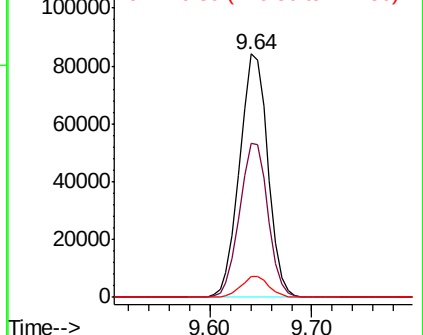
83 100

85 63.4 50.6 75.8

127 8.7 6.7 10.1



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 53.077 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW012983.D

Acq: 14 Sep 2019 10:27

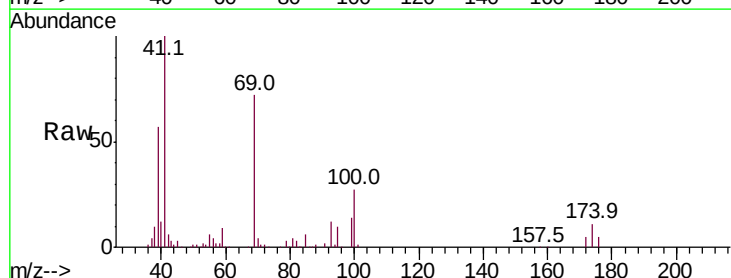
Tgt Ion: 41 Resp: 79708

Ion Ratio Lower Upper

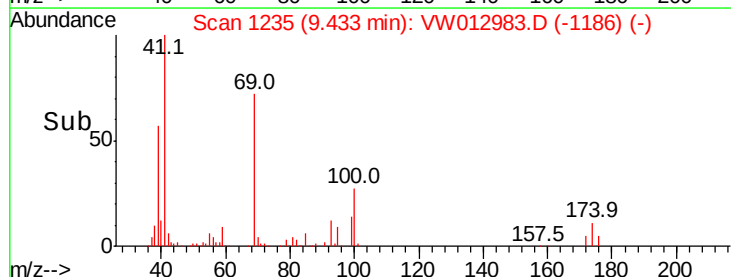
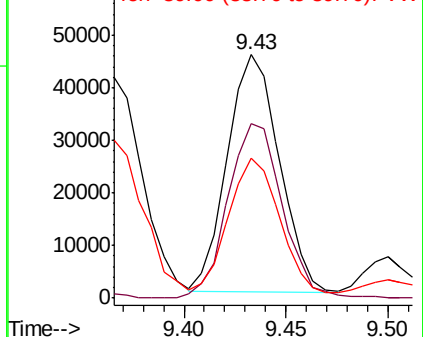
41 100

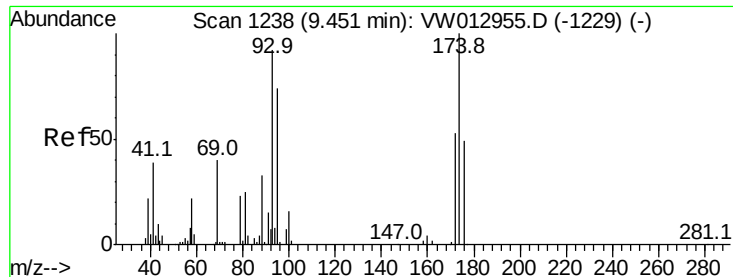
69 76.8 62.8 94.2

39 60.5 48.5 72.7



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





#49

1,4-Dioxane

Concen: 1027.478 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.01 min

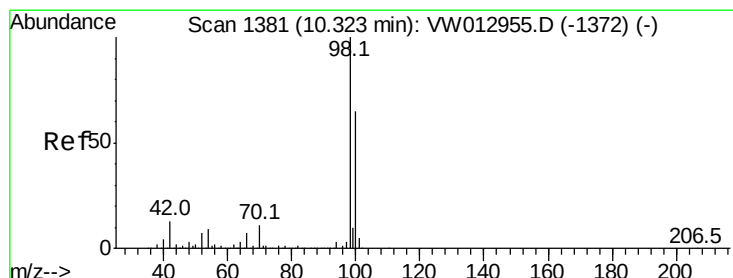
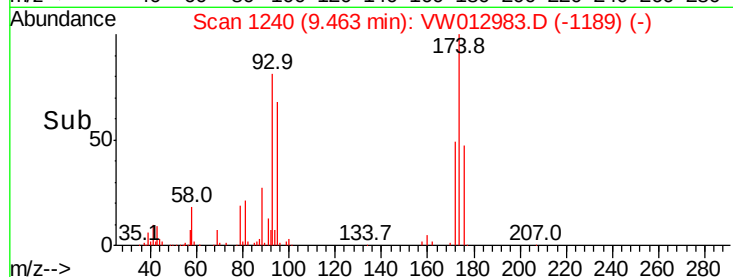
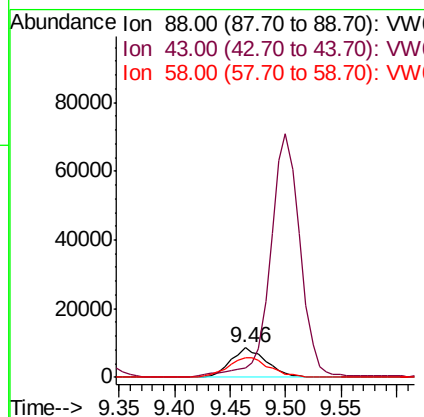
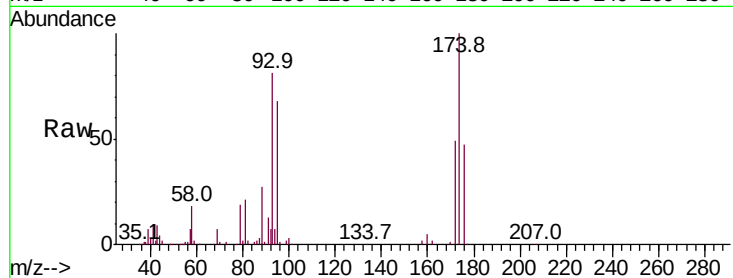
Lab File: VW012983.D

Acq: 14 Sep 2019 10:27

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 88 Resp: 19209

Ion	Ratio	Lower	Upper
88	100		
43	0.0	31.3	46.9#
58	79.3	60.2	90.2



#50

Toluene-d8

Concen: 51.888 ug/l

RT: 10.32 min Scan# 1381

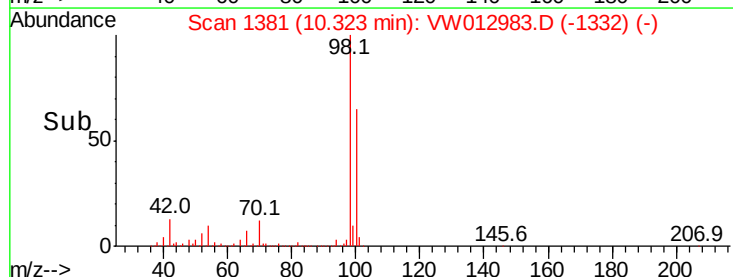
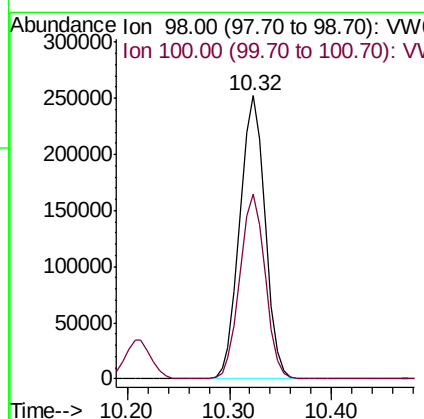
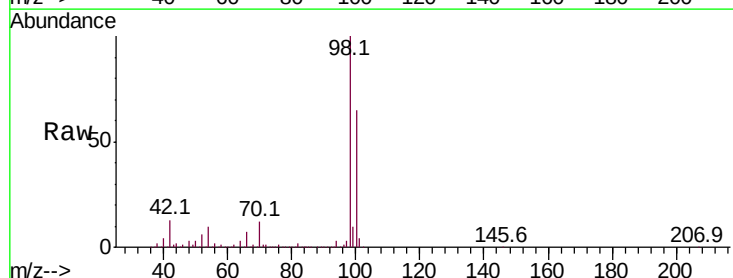
Delta R.T. -0.00 min

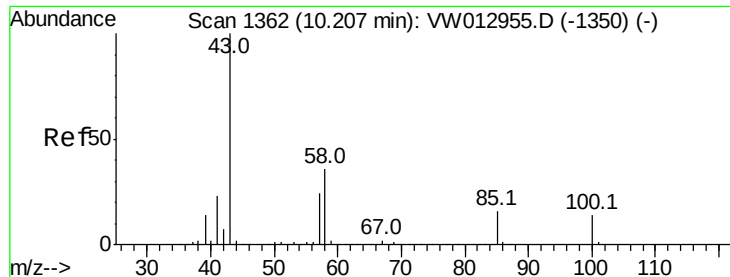
Lab File: VW012983.D

Acq: 14 Sep 2019 10:27

Tgt Ion: 98 Resp: 432898

Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 262.160 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW012983.D

Acq: 14 Sep 2019 10:27

Instrument :

MSVOA_W

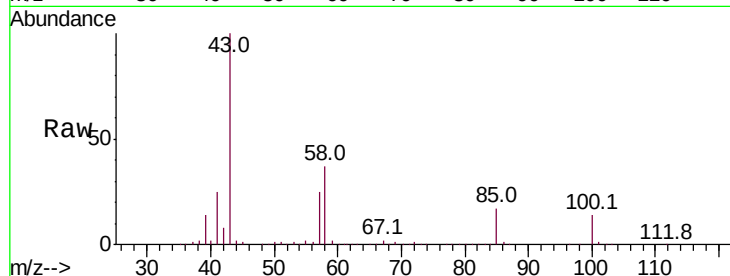
ClientSampled :

Tot Ion: 43 Resp: 433091

Ion Ratio Lower Upper

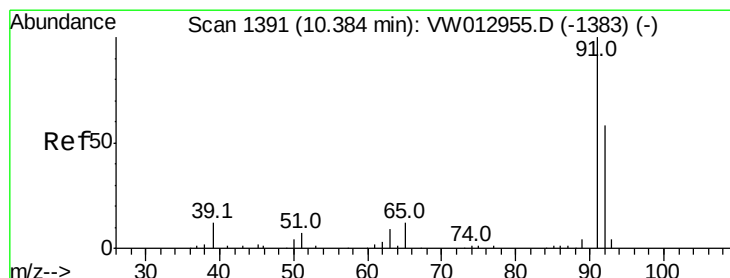
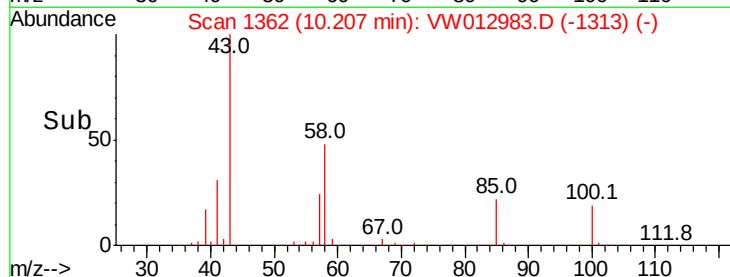
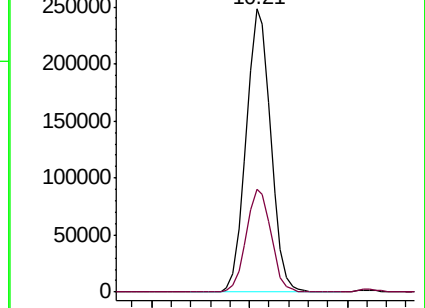
43 100

58 36.7 29.5 44.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 50.816 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW012983.D

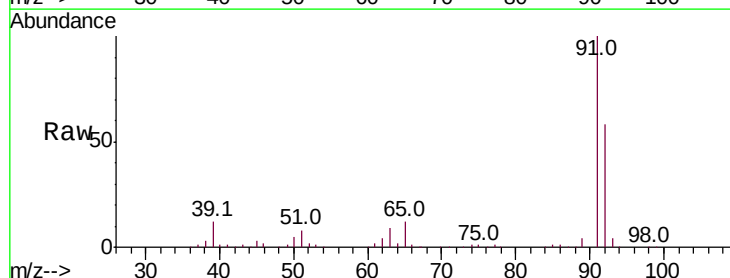
Acq: 14 Sep 2019 10:27

Tgt Ion: 92 Resp: 283035

Ion Ratio Lower Upper

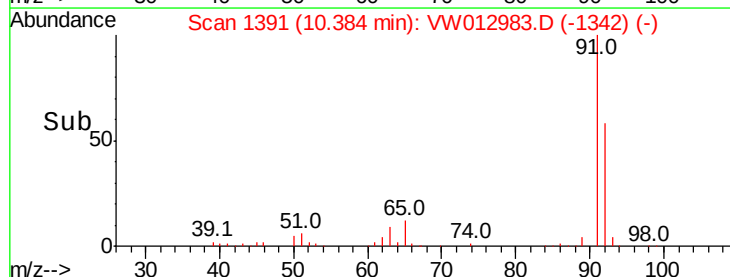
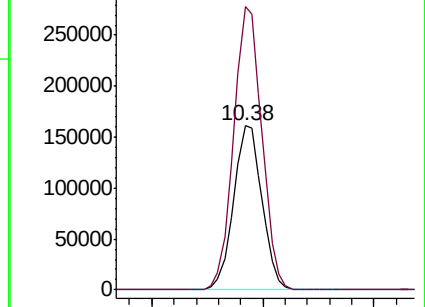
92 100

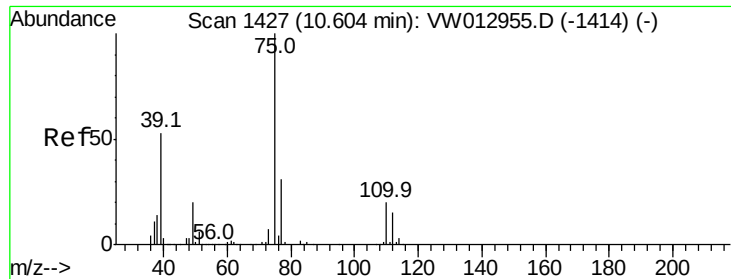
91 172.2 137.5 206.3



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#53

t-1,3-Dichloropropene

Concen: 52.143 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW012983.D

Acq: 14 Sep 2019 10:27

Instrument :

MSVOA_W

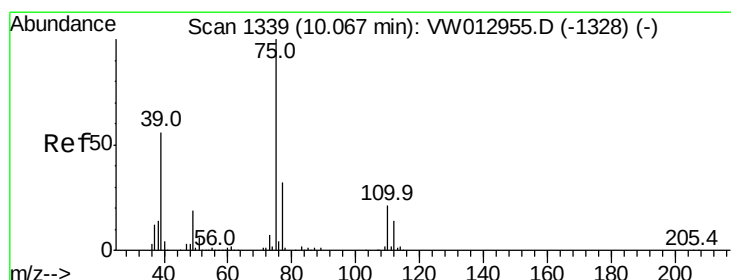
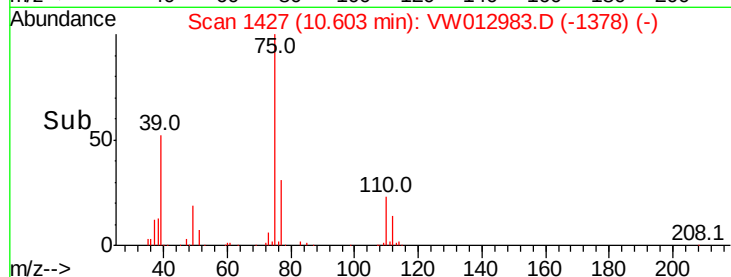
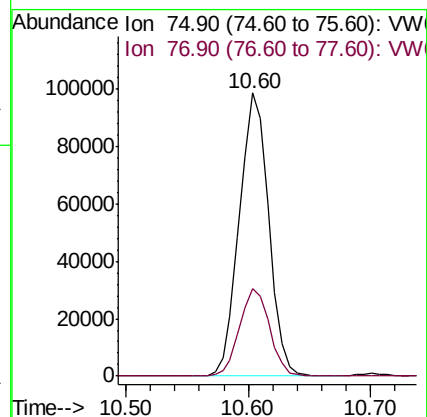
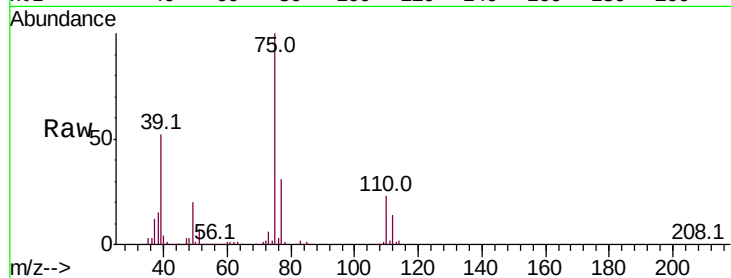
ClientSampled :

Tot Ion: 75 Resp: 164118

Ion Ratio Lower Upper

75 100

77 30.8 24.6 37.0



#54

cis-1,3-Dichloropropene

Concen: 52.194 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.01 min

Lab File: VW012983.D

Acq: 14 Sep 2019 10:27

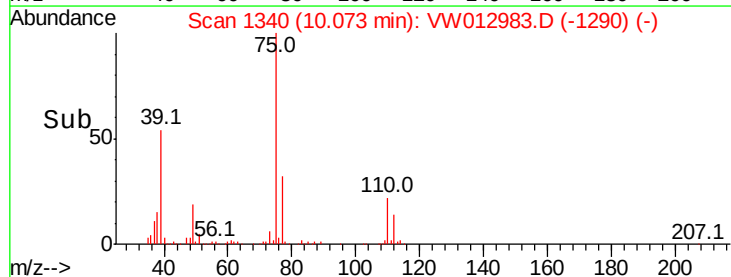
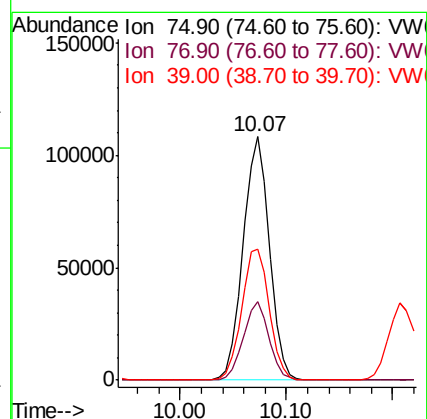
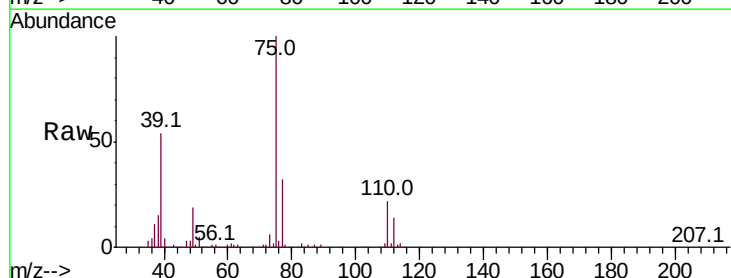
Tgt Ion: 75 Resp: 187967

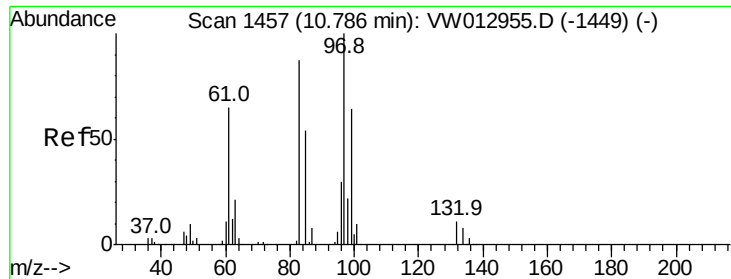
Ion Ratio Lower Upper

75 100

77 32.2 25.5 38.3

39 53.7 45.0 67.6





#55

1,1,2-Trichloroethane

Concen: 51.597 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW012983.D

Acq: 14 Sep 2019 10:27

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 87698

Ion	Ratio	Lower	Upper
97	100		
83	81.8	69.4	104.0
85	53.0	43.3	64.9
99	61.7	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

10.79

Time-->

Abundance

Scan 1457 (10.786 min): VW012983.D (-1408) (-)

Sub 50

61.0 96.9 133.9

37.0 206.9

m/z-->

Abundance

Scan 1434 (10.646 min): VW012955.D (-1424) (-)

Ref 50

41.1 69.0 86.0 99.0 114.1

58.1

m/z-->

Abundance

Scan 1434 (10.646 min): VW012983.D (-1385) (-)

Raw 50

41.1 69.0 86.0 99.0 114.0

58.0

m/z-->

Abundance

Scan 1434 (10.646 min): VW012983.D (-1385) (-)

Sub 50

41.0 69.0 86.0 99.0 114.0

58.0

m/z-->

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

10.65

Time-->

Abundance

Scan 1434 (10.646 min): VW012983.D (-1385) (-)

Sub 50

41.0 69.0 86.0 99.0 114.0

58.0

m/z-->

Abundance

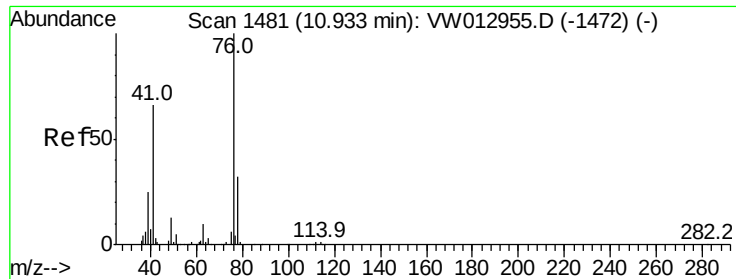
Scan 1434 (10.646 min): VW012983.D (-1385) (-)

Sub 50

41.0 69.0 86.0 99.0 114.0

58.0

m/z-->



#57

1,3-Dichloropropane

Concen: 51.024 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW012983.D

Acq: 14 Sep 2019 10:27

Instrument :

MSVOA_W

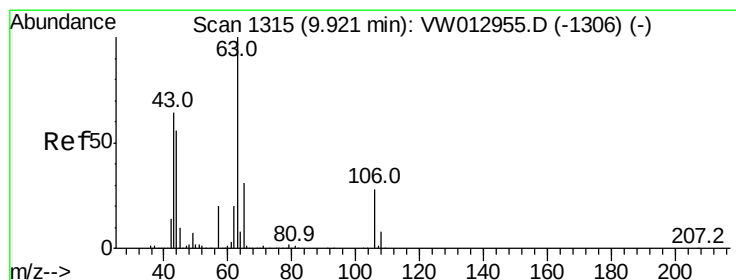
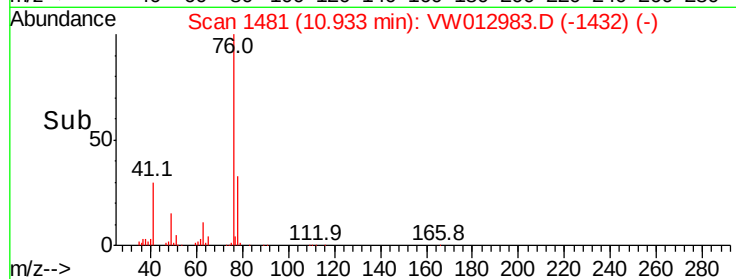
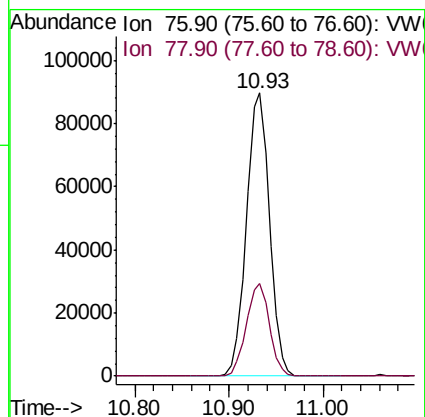
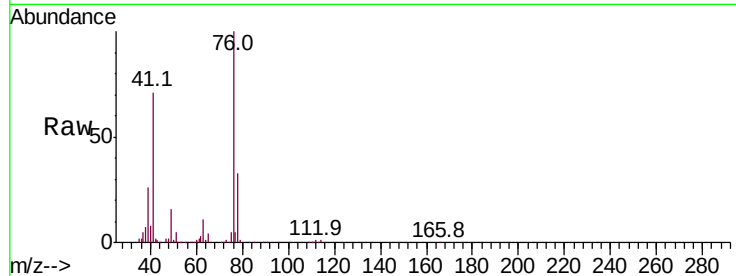
ClientSampled :

Tot Ion: 76 Resp: 153842

Ion Ratio Lower Upper

76 100

78 32.9 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 253.649 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW012983.D

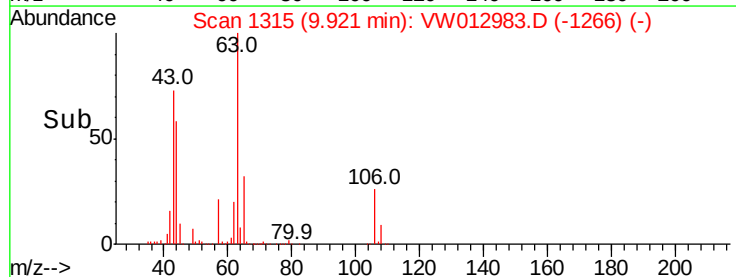
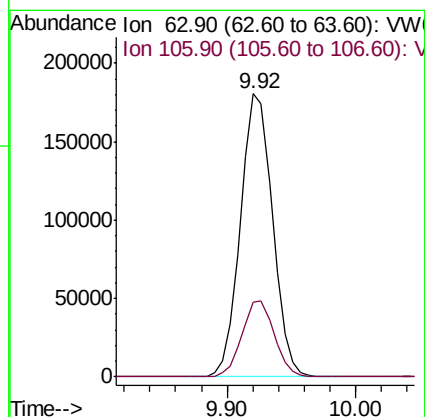
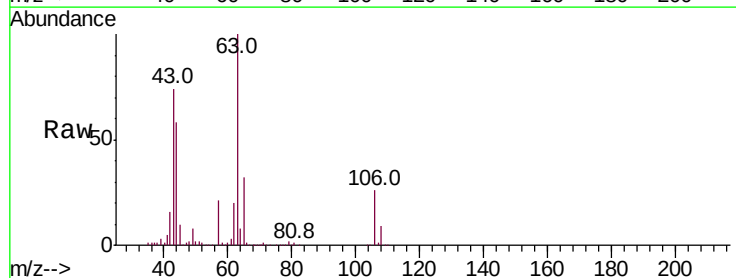
Acq: 14 Sep 2019 10:27

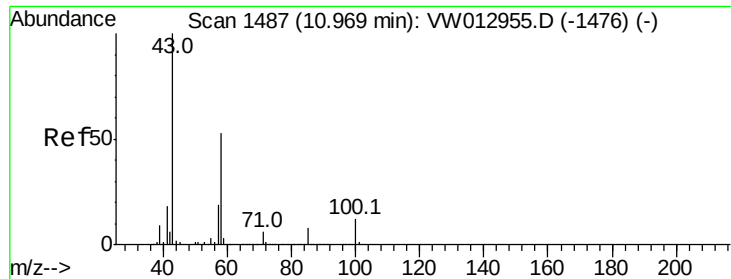
Tgt Ion: 63 Resp: 311291

Ion Ratio Lower Upper

63 100

106 27.1 22.2 33.2

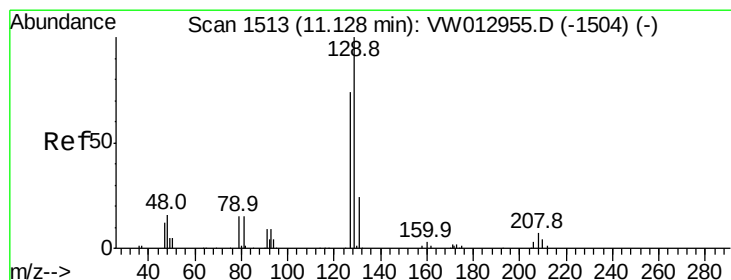
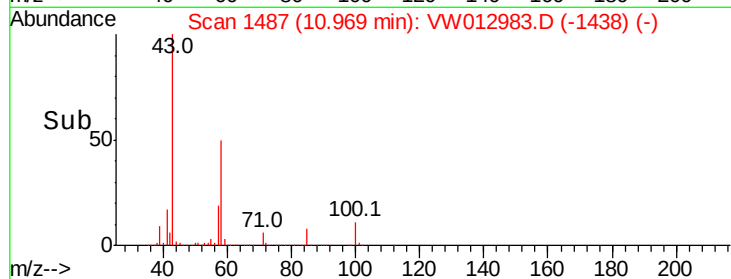
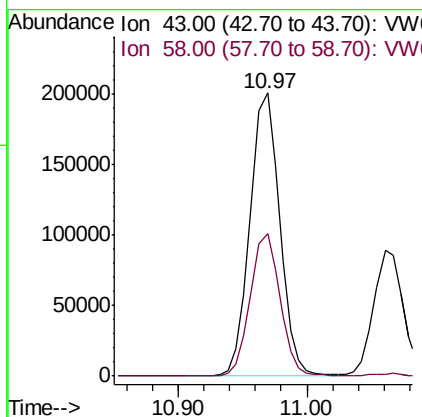
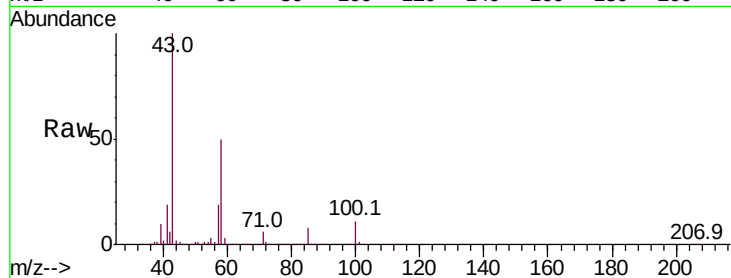




#59
2-Hexanone
Concen: 279.317 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012983.D
Acq: 14 Sep 2019 10:27

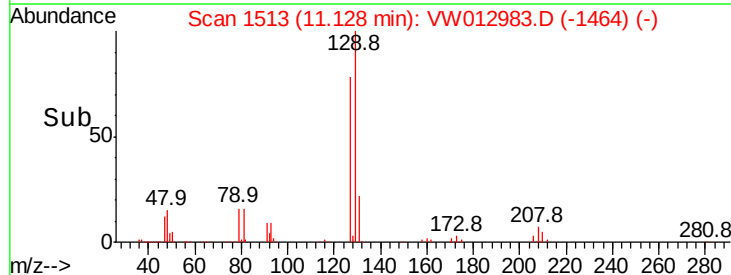
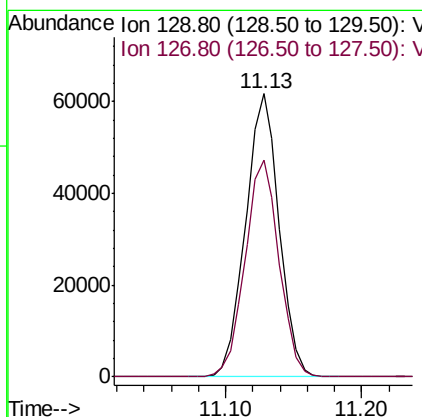
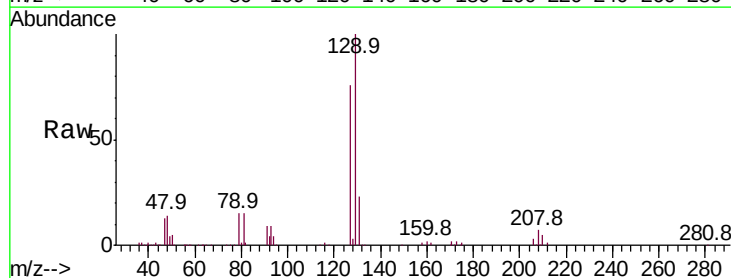
Instrument :
MSVOA_W
ClientSampleId :

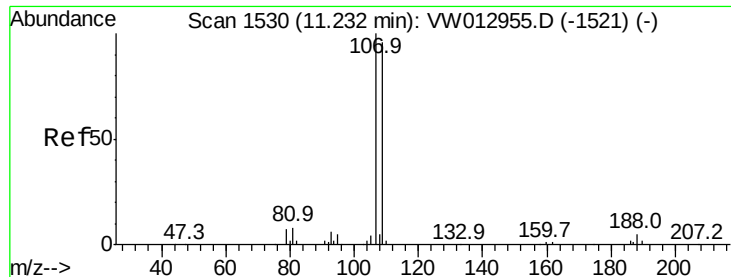
Tot Ion: 43 Resp: 321302
Ion Ratio Lower Upper
43 100
58 50.5 25.8 77.3



#60
Dibromochloromethane
Concen: 51.723 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012983.D
Acq: 14 Sep 2019 10:27

Tgt Ion: 129 Resp: 106286
Ion Ratio Lower Upper
129 100
127 77.5 37.4 112.2

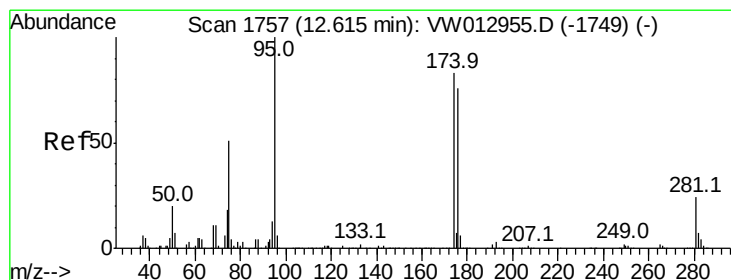
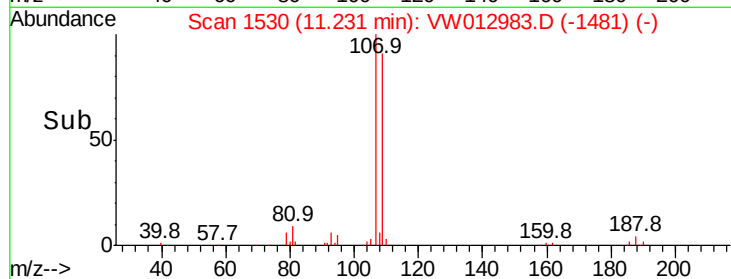
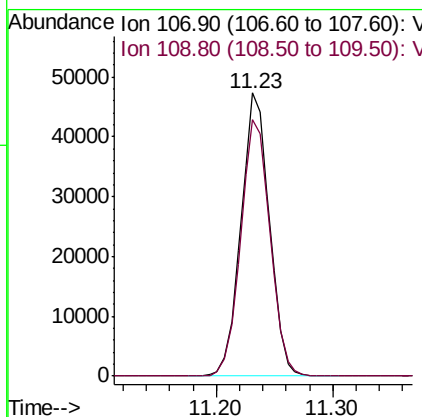
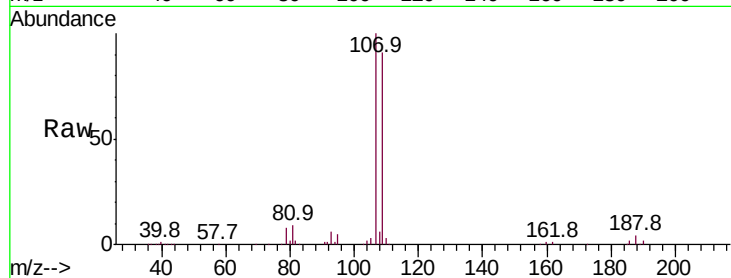




#61
 1,2-Dibromoethane
 Concen: 52.008 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW012983.D
 Acq: 14 Sep 2019 10:27

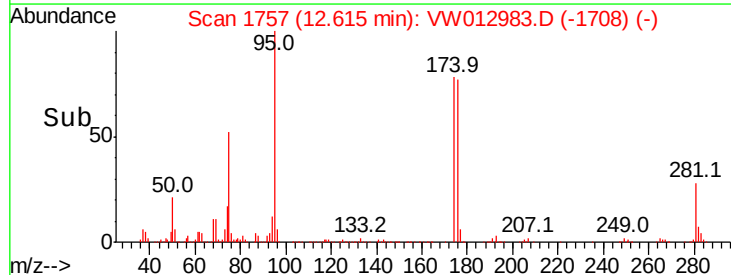
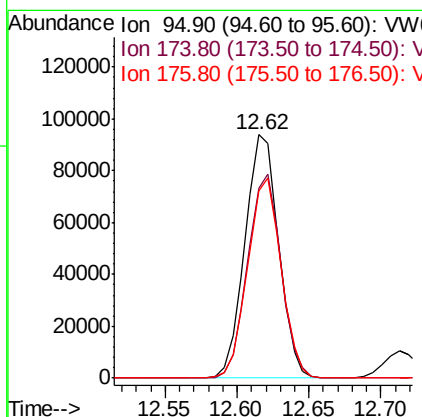
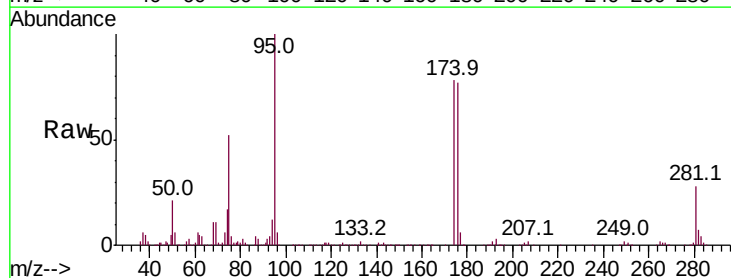
Instrument :
 MSVOA_W
 ClientSampled :

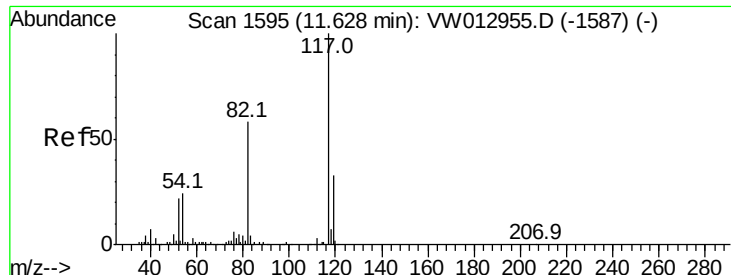
Tot Ion:107 Resp: 80639
 Ion Ratio Lower Upper
 107 100
 109 93.7 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 50.604 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW012983.D
 Acq: 14 Sep 2019 10:27

Tgt Ion: 95 Resp: 151809
 Ion Ratio Lower Upper
 95 100
 174 82.7 0.0 170.4
 176 81.4 0.0 164.6

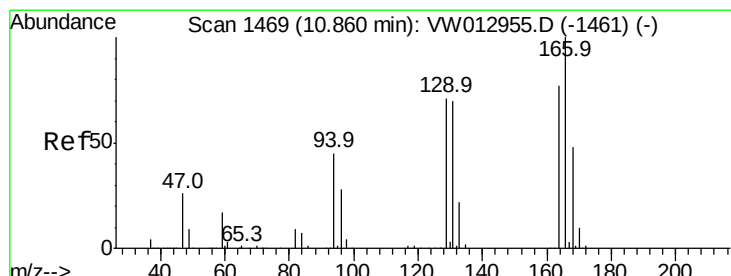
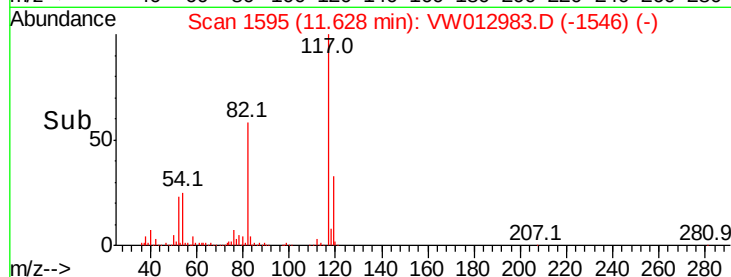
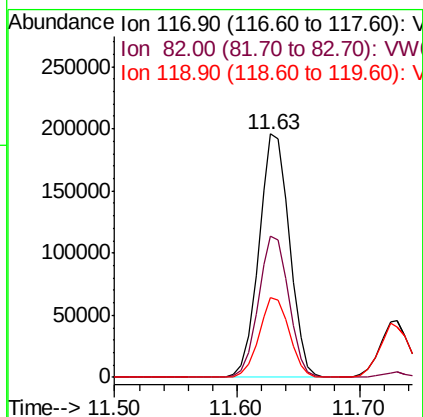
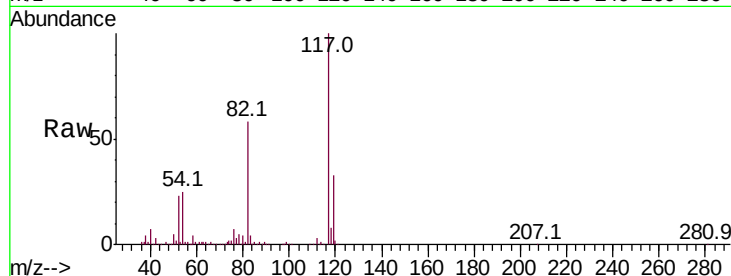




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW012983.D
Acq: 14 Sep 2019 10:27

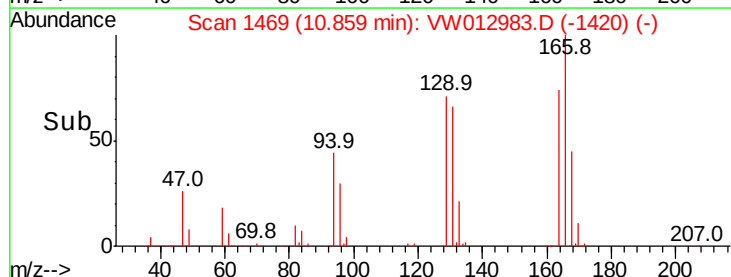
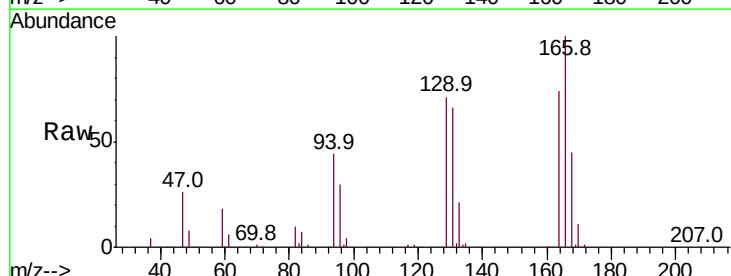
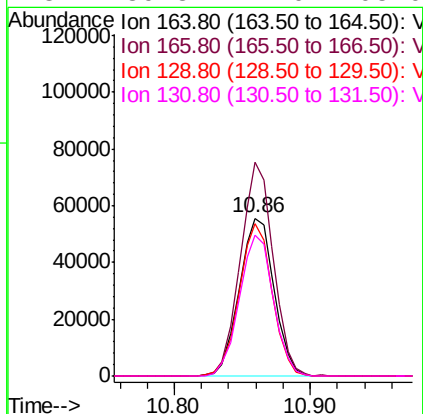
Instrument :
MSVOA_W
ClientSampled :

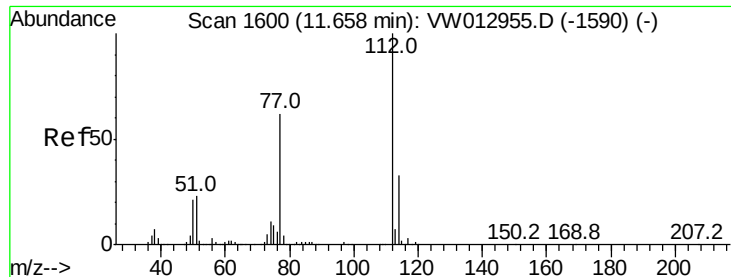
Tot Ion:117 Resp: 340207
Ion Ratio Lower Upper
117 100
82 57.9 46.3 69.5
119 32.8 26.2 39.4



#64
Tetrachloroethene
Concen: 49.029 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012983.D
Acq: 14 Sep 2019 10:27

Tgt Ion:164 Resp: 99231
Ion Ratio Lower Upper
164 100
166 135.6 103.3 154.9
129 96.4 73.8 110.8
131 89.3 72.0 108.0

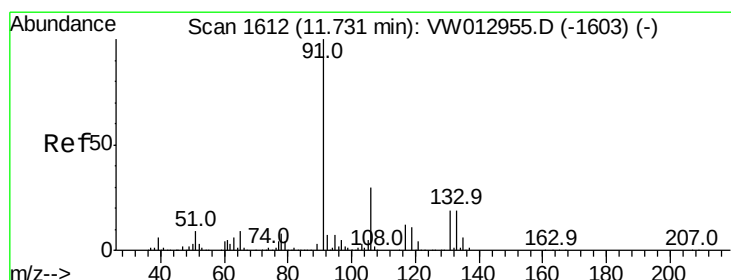
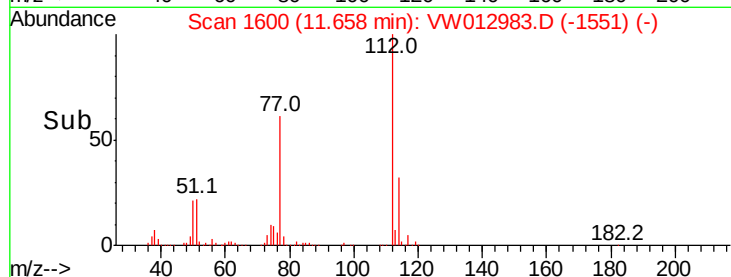
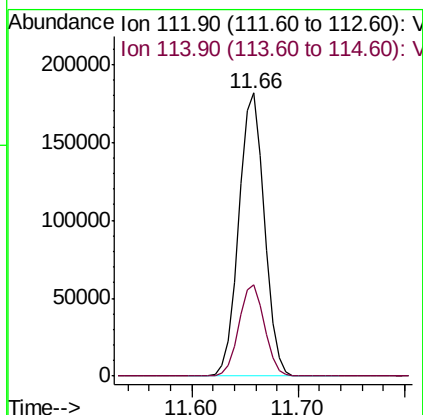
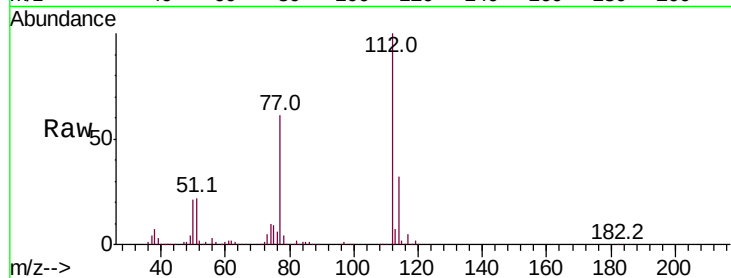




#65
Chlorobenzene
Concen: 50.699 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012983.D
Acq: 14 Sep 2019 10:27

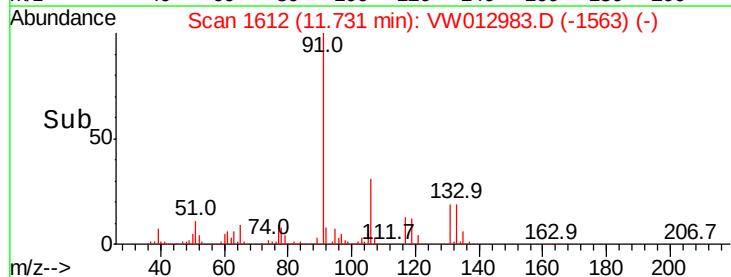
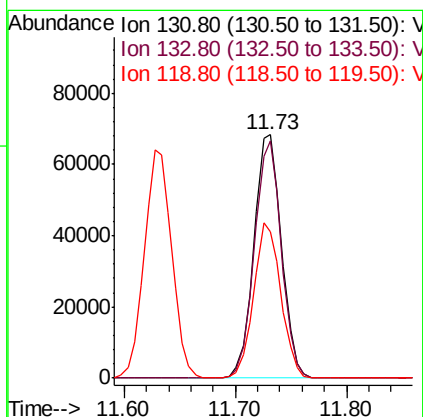
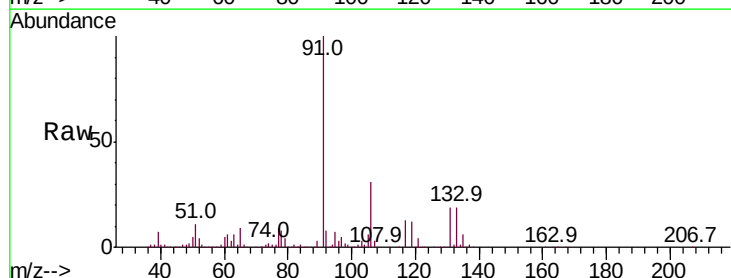
Instrument :
MSVOA_W
ClientSampleId :

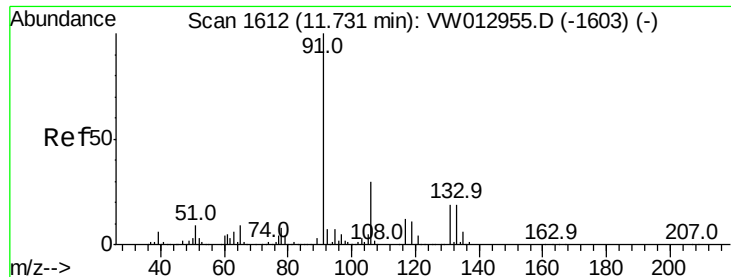
Tot Ion:112 Resp: 307227
Ion Ratio Lower Upper
112 100
114 32.2 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 50.788 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012983.D
Acq: 14 Sep 2019 10:27

Tgt Ion:131 Resp: 117942
Ion Ratio Lower Upper
131 100
133 95.3 47.9 143.8
119 62.8 30.9 92.7

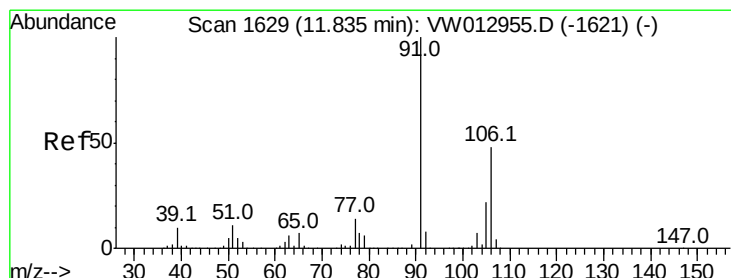
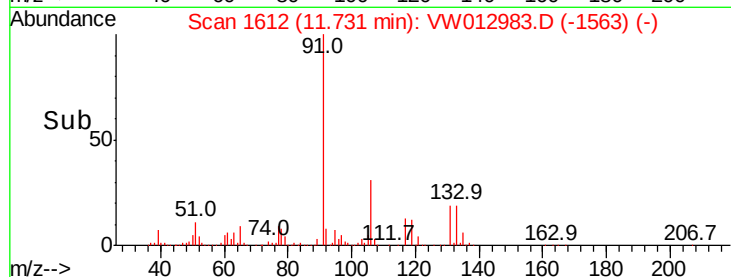
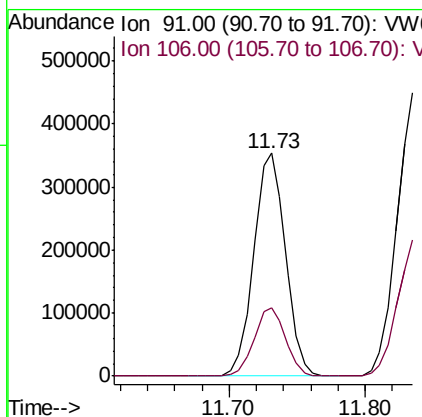
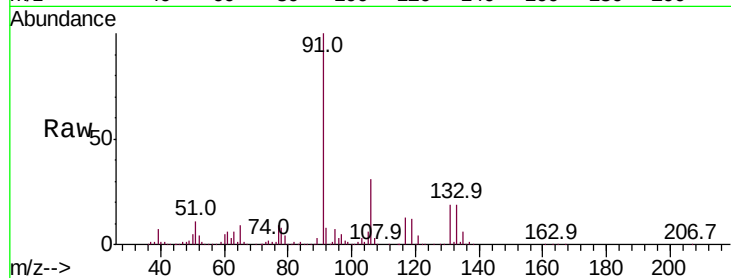




#67
Ethyl Benzene
Concen: 51.493 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012983.D
Acq: 14 Sep 2019 10:27

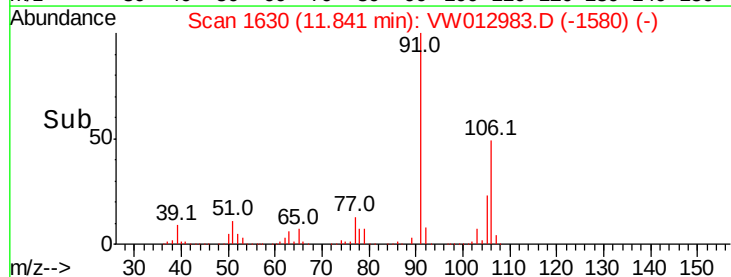
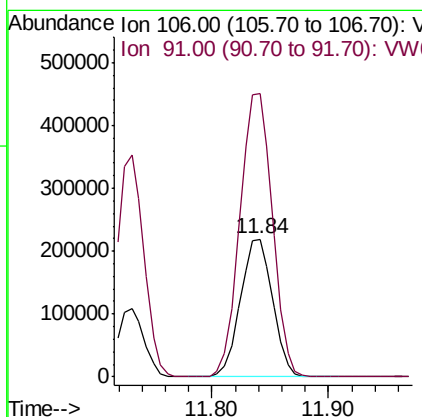
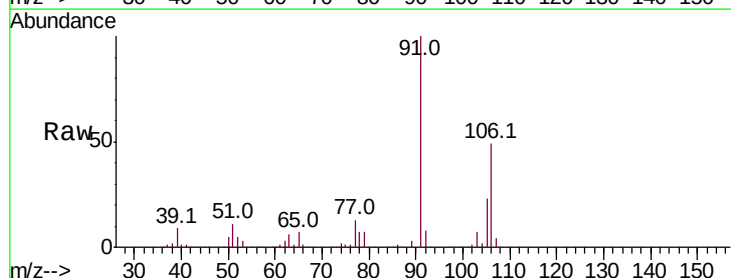
Instrument :
MSVOA_W
ClientSampleId :

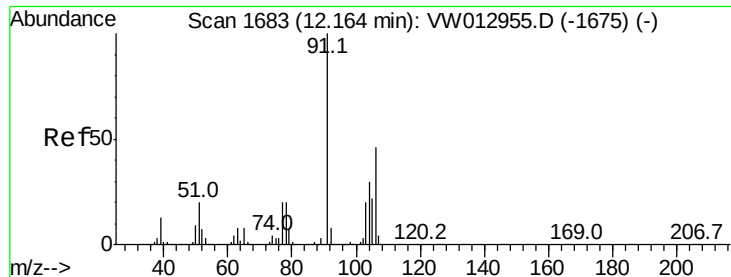
Tot Ion: 91 Resp: 576307
Ion Ratio Lower Upper
91 100
106 30.9 24.3 36.5



#68
m/p-Xylenes
Concen: 103.282 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW012983.D
Acq: 14 Sep 2019 10:27

Tgt Ion:106 Resp: 422271
Ion Ratio Lower Upper
106 100
91 208.3 165.8 248.8

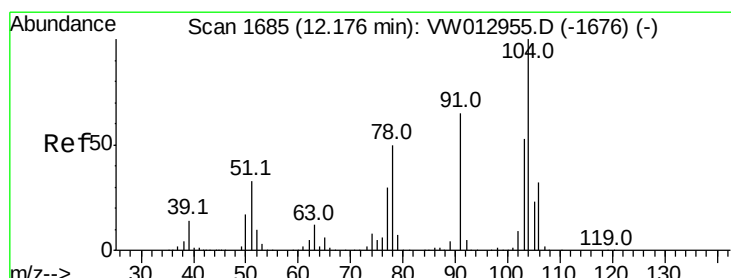
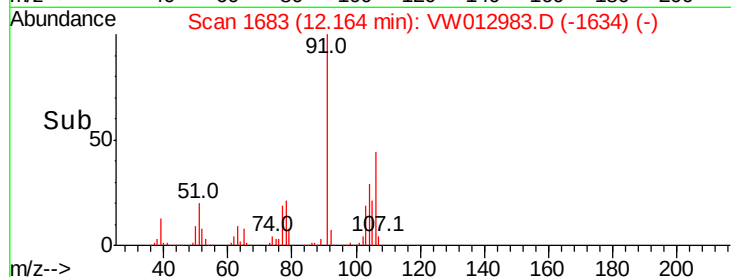
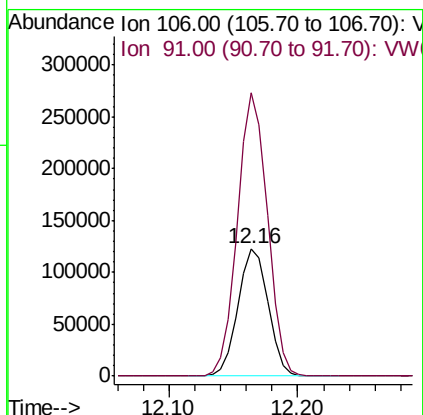
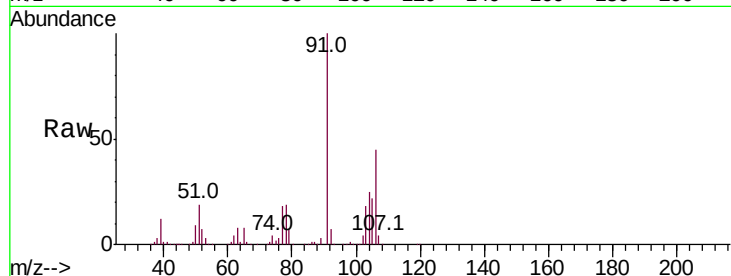




#69
o-Xylene
Concen: 52.063 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012983.D
Acq: 14 Sep 2019 10:27

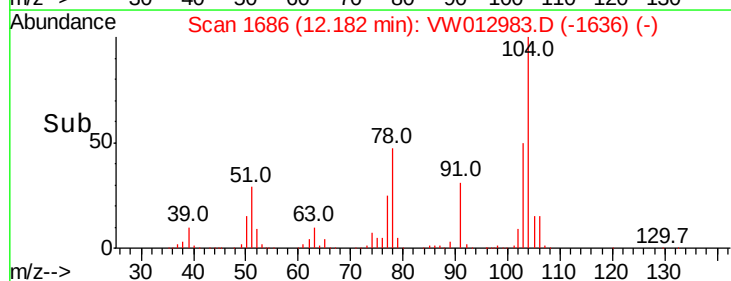
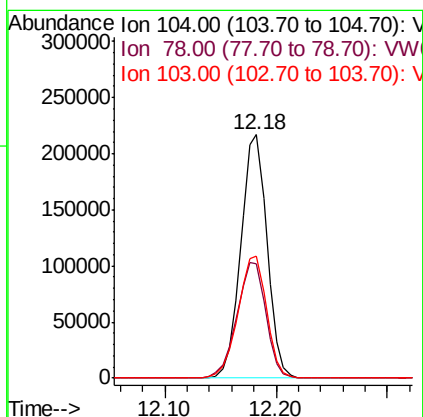
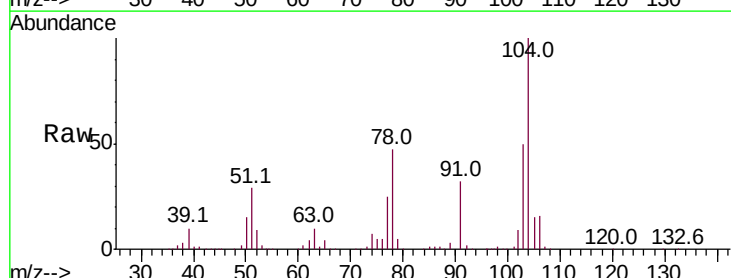
Instrument :
MSVOA_W
ClientSampleId :

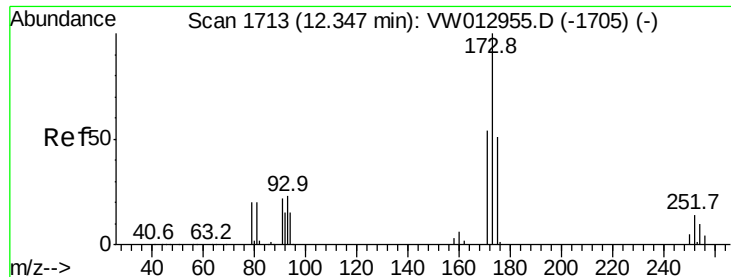
Tot Ion:106 Resp: 199562
Ion Ratio Lower Upper
106 100
91 220.5 109.7 329.0



#70
Styrene
Concen: 51.936 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VW012983.D
Acq: 14 Sep 2019 10:27

Tgt Ion:104 Resp: 354135
Ion Ratio Lower Upper
104 100
78 52.4 42.1 63.1
103 54.4 44.2 66.4





#71

Bromoform

Concen: 53.499 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012983.D

Acq: 14 Sep 2019 10:27

Instrument :

MSVOA_W

ClientSampleId :

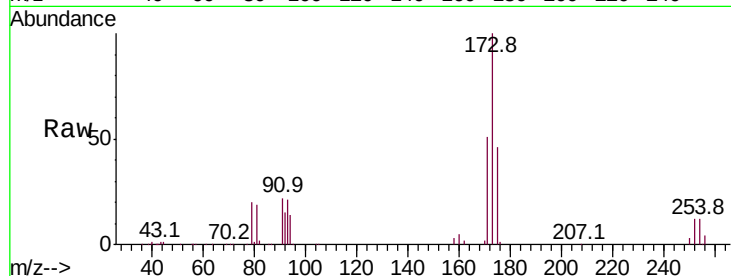
Tot Ion:173 Resp: 65258

Ion Ratio Lower Upper

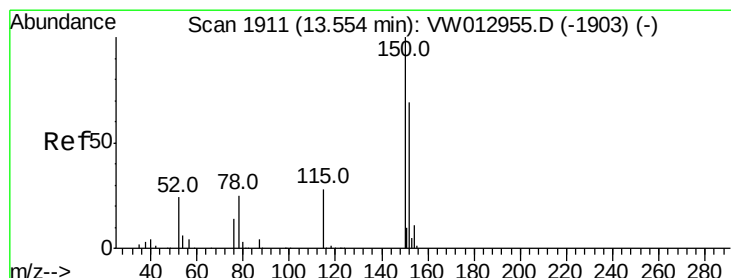
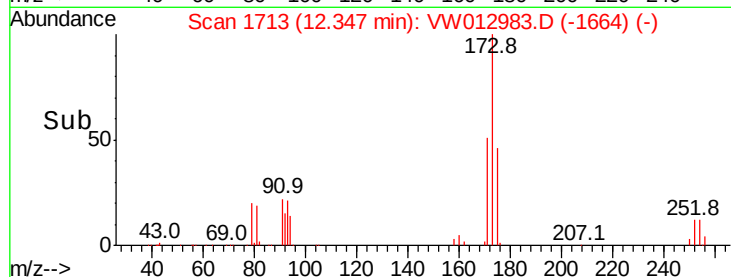
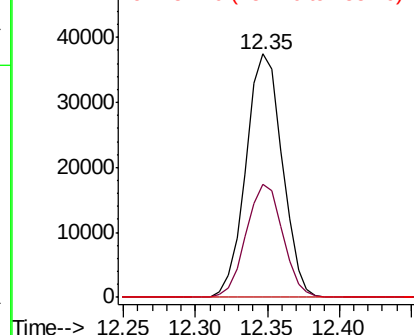
173 100

175 46.7 24.2 72.6

254 0.1 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.01 min

Lab File: VW012983.D

Acq: 14 Sep 2019 10:27

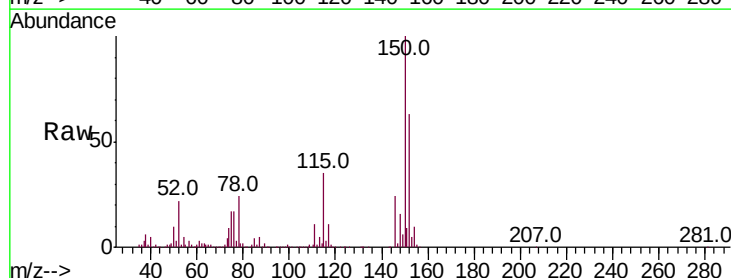
Tgt Ion:152 Resp: 172274

Ion Ratio Lower Upper

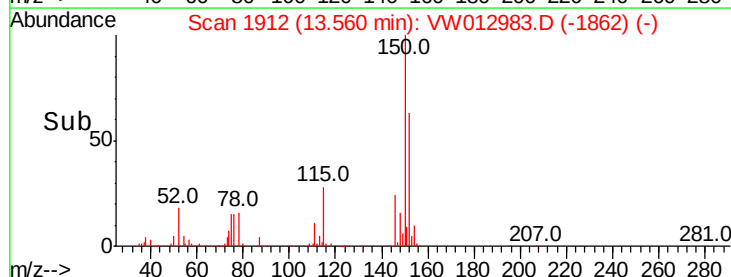
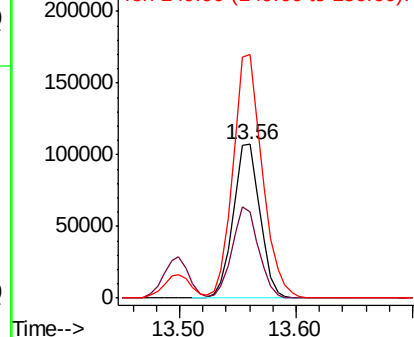
152 100

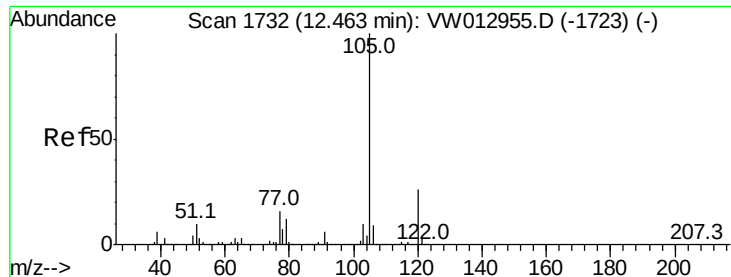
115 58.1 28.8 86.4

150 172.3 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: 51.031 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012983.D

Acq: 14 Sep 2019 10:27

Instrument :

MSVOA_W

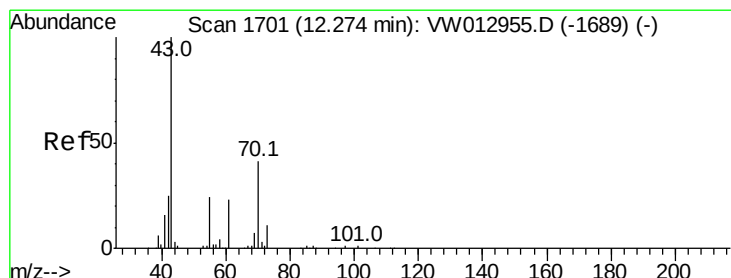
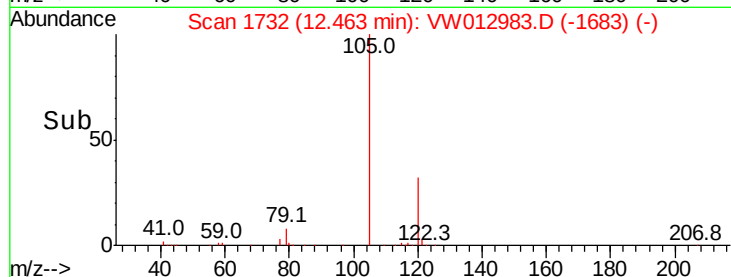
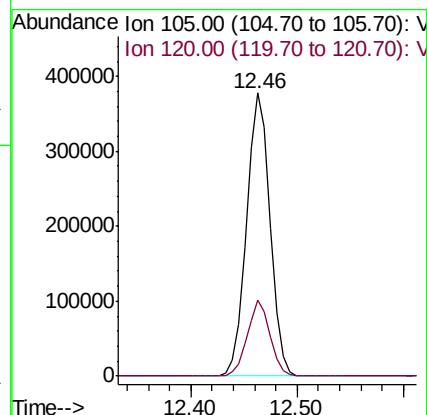
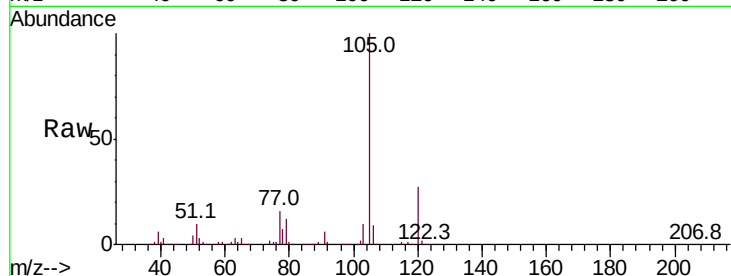
ClientSampled :

Tot Ion:105 Resp: 582707

Ion Ratio Lower Upper

105 100

120 25.9 13.0 39.0



#74

N-ethyl acetate

Concen: 52.742 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. -0.01 min

Lab File: VW012983.D

Acq: 14 Sep 2019 10:27

Tgt Ion: 43 Resp: 154922

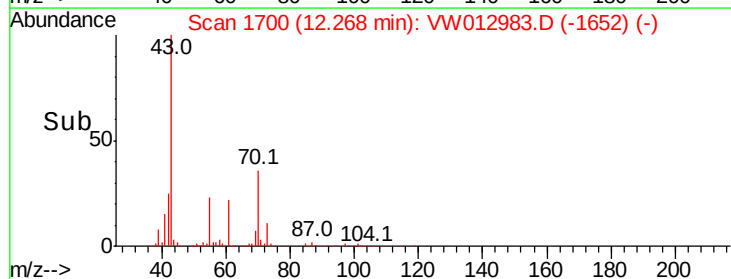
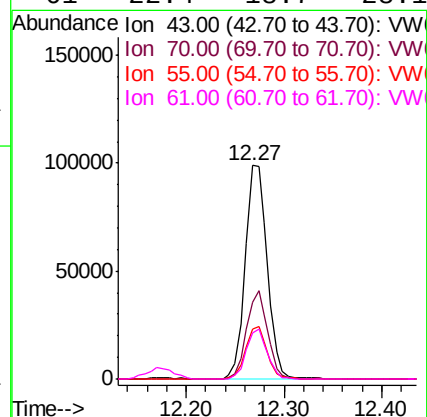
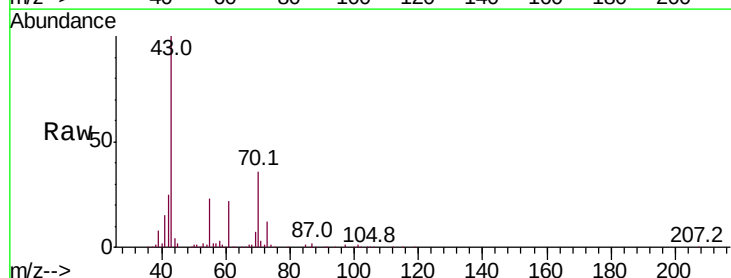
Ion Ratio Lower Upper

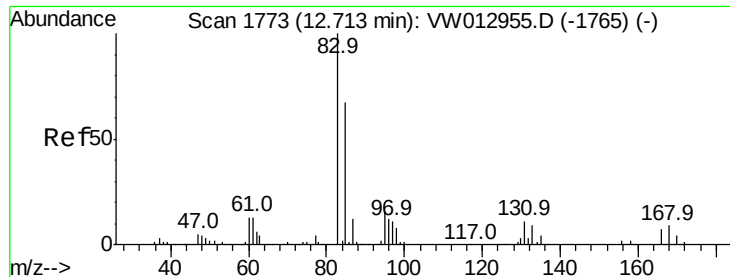
43 100

70 39.1 31.7 47.5

55 24.0 19.4 29.2

61 22.4 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 51.195 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012983.D

Acq: 14 Sep 2019 10:27

Instrument :

MSVOA_W

ClientSampled :

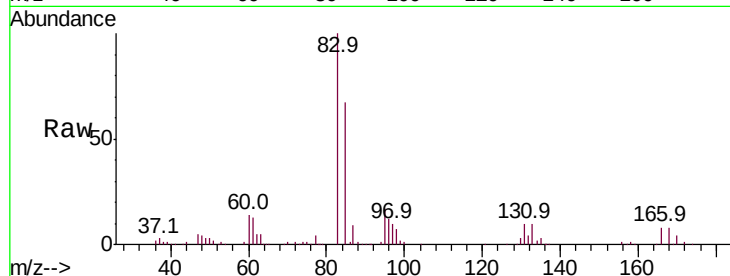
Tot Ion: 83 Resp: 102675

Ion Ratio Lower Upper

83 100

131 10.9 5.7 17.1

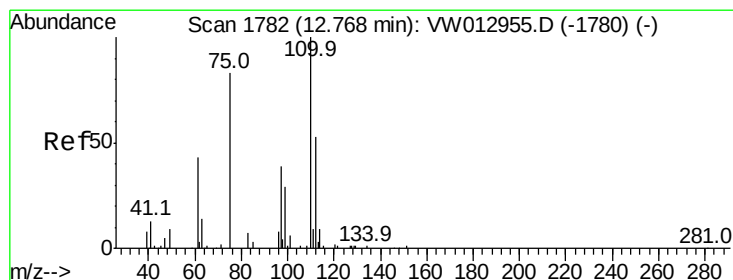
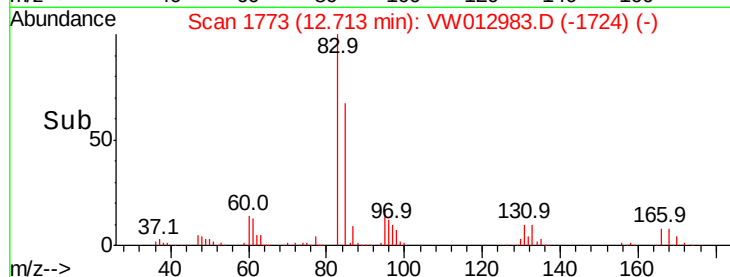
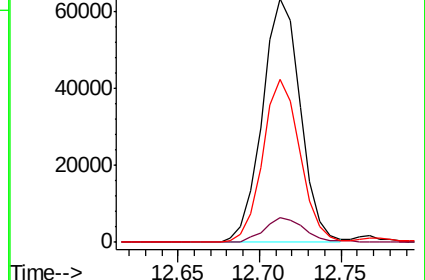
85 65.5 31.4 94.3



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: 91.654 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW012983.D

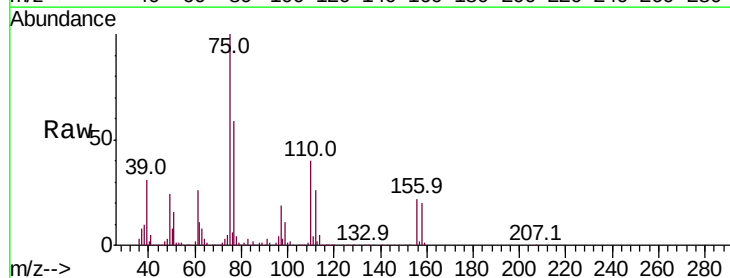
Acq: 14 Sep 2019 10:27

Tgt Ion: 75 Resp: 138305

Ion Ratio Lower Upper

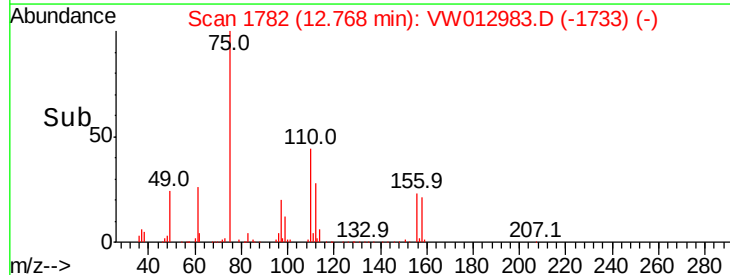
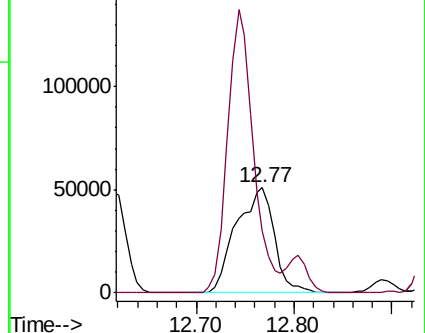
75 100

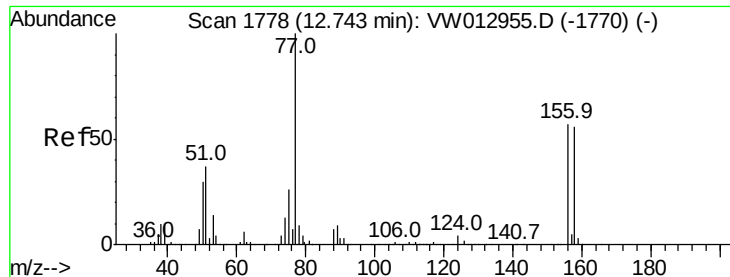
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 50.160 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW012983.D

Acq: 14 Sep 2019 10:27

Instrument :

MSVOA_W

ClientSampled :

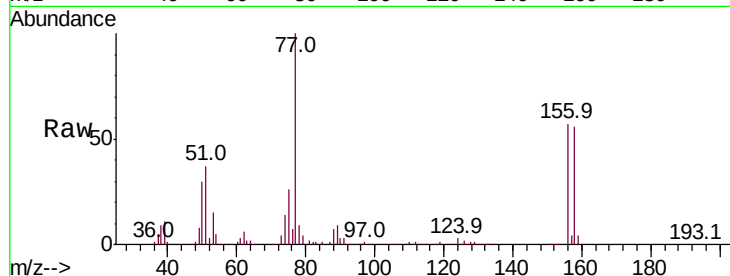
Tot Ion:156 Resp: 131952

Ion Ratio Lower Upper

156 100

77 191.4 95.2 285.6

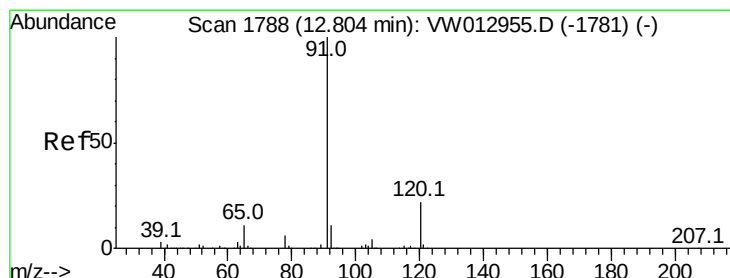
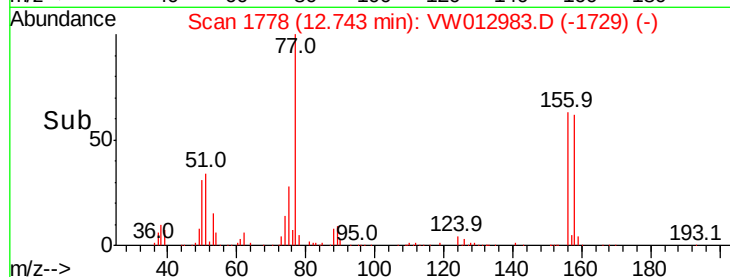
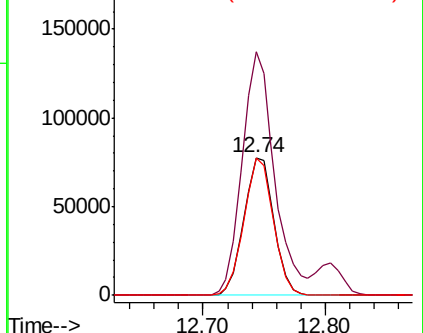
158 98.1 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.372 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012983.D

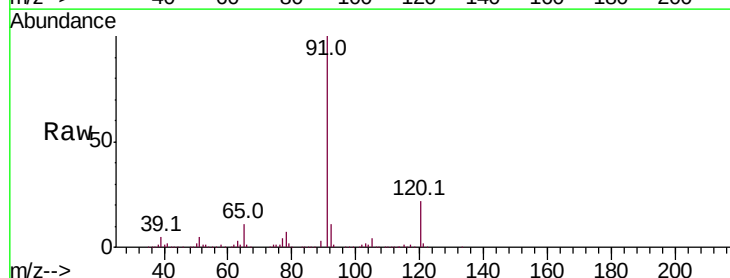
Acq: 14 Sep 2019 10:27

Tgt Ion: 91 Resp: 690024

Ion Ratio Lower Upper

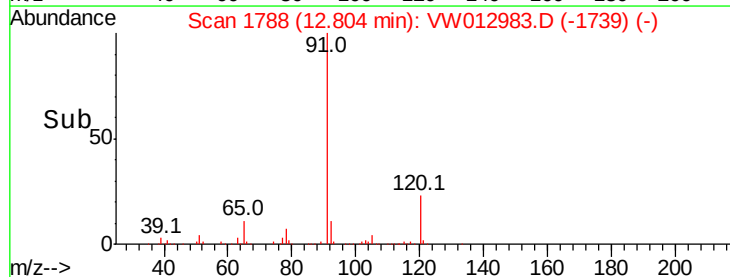
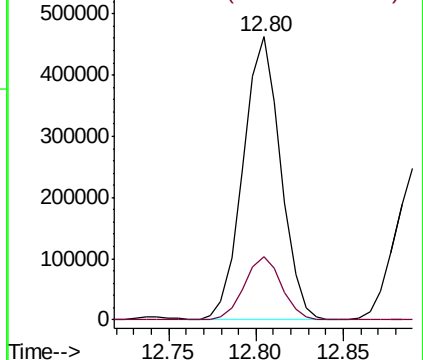
91 100

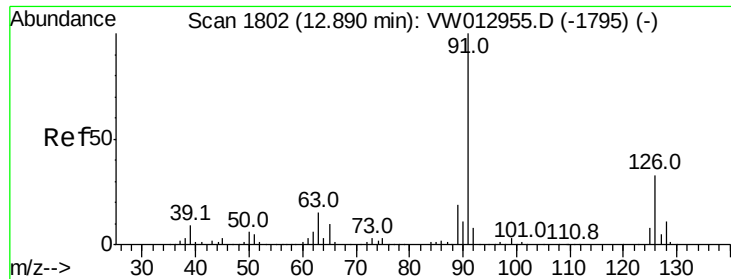
120 22.2 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.545 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012983.D

Acq: 14 Sep 2019 10:27

Instrument :

MSVOA_W

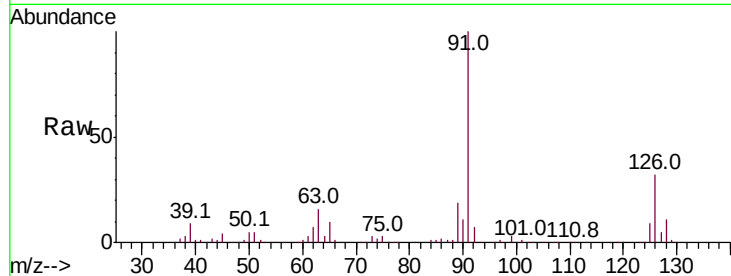
ClientSampleId :

Tot Ion: 91 Resp: 390282

Ion Ratio Lower Upper

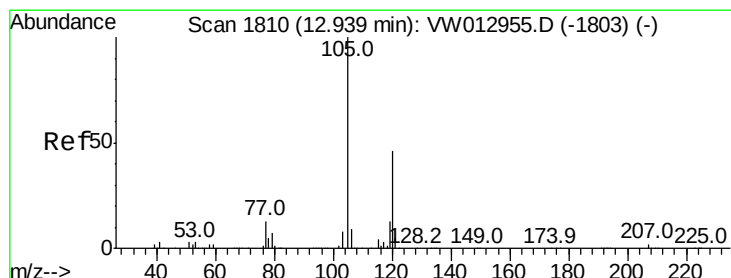
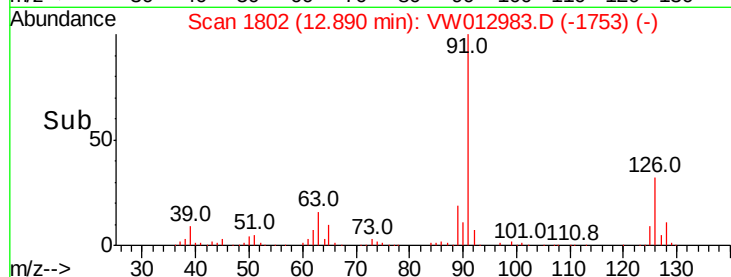
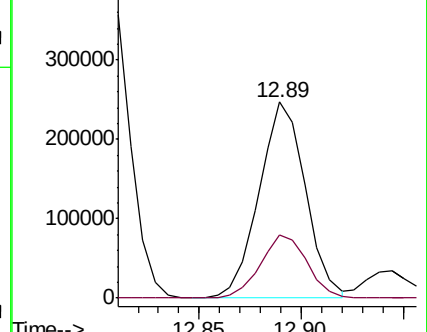
91 100

126 32.8 16.5 49.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 50.553 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.01 min

Lab File: VW012983.D

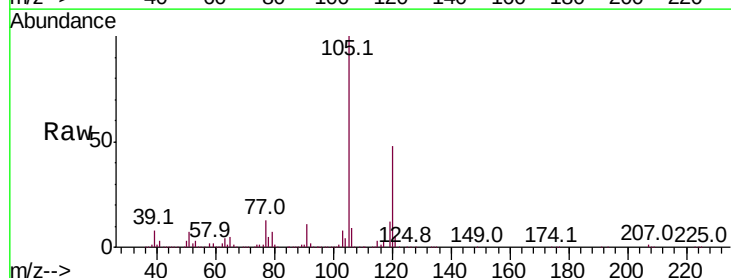
Acq: 14 Sep 2019 10:27

Tgt Ion:105 Resp: 488355

Ion Ratio Lower Upper

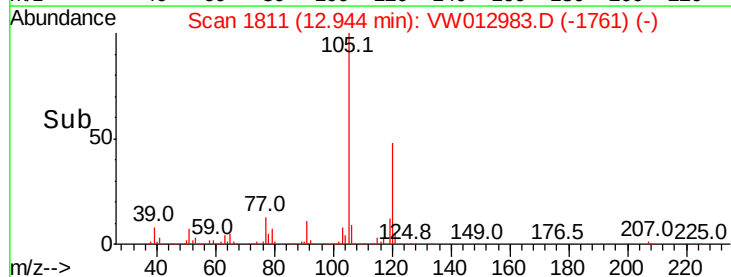
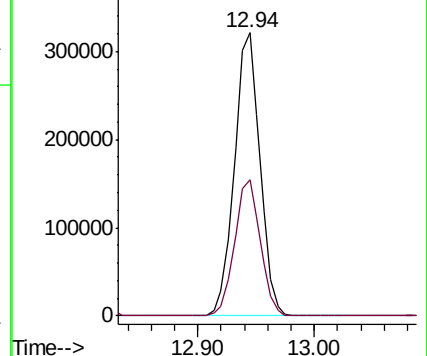
105 100

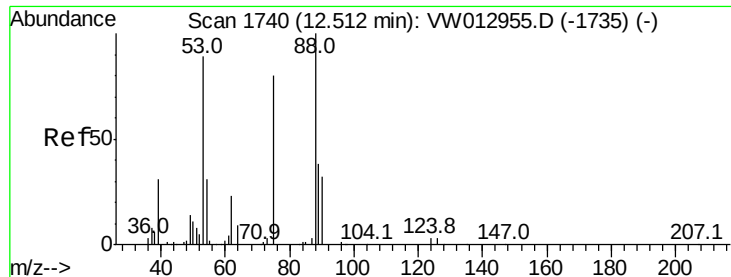
120 48.4 24.2 72.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 53.420 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW012983.D

Acq: 14 Sep 2019 10:27

Instrument :

MSVOA_W

ClientSampled :

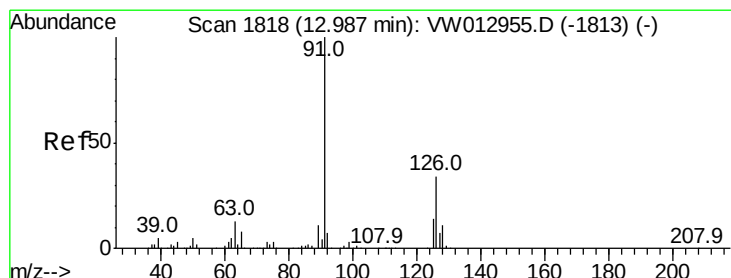
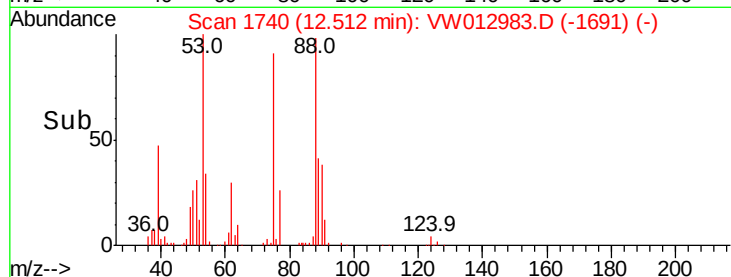
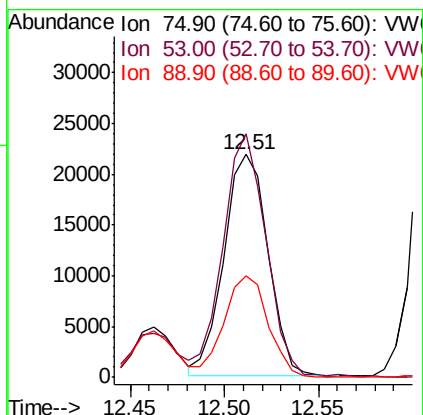
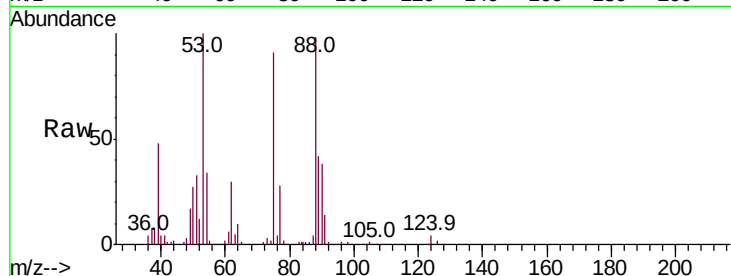
Tot Ion: 75 Resp: 35535

Ion Ratio Lower Upper

75 100

53 107.6 85.6 128.4

89 46.2 37.2 55.8



#82

4-Chlorotoluene

Concen: 50.974 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW012983.D

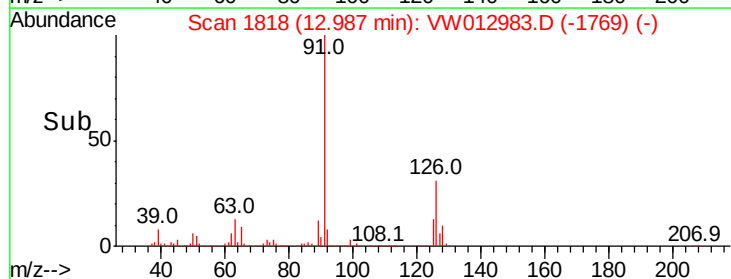
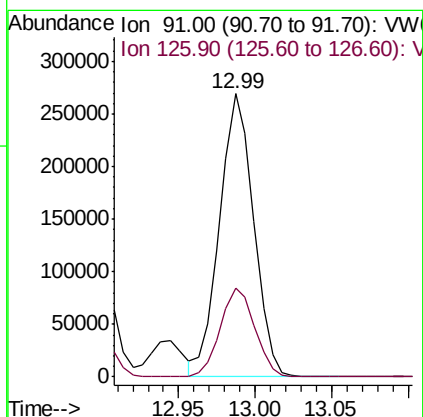
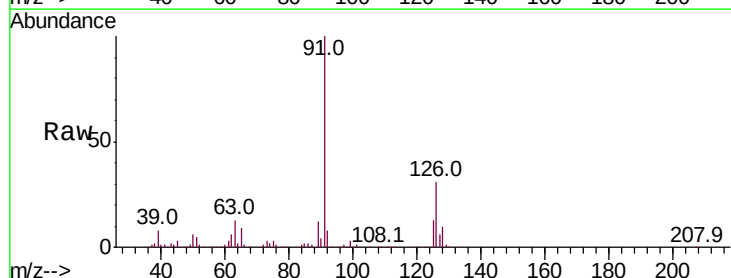
Acq: 14 Sep 2019 10:27

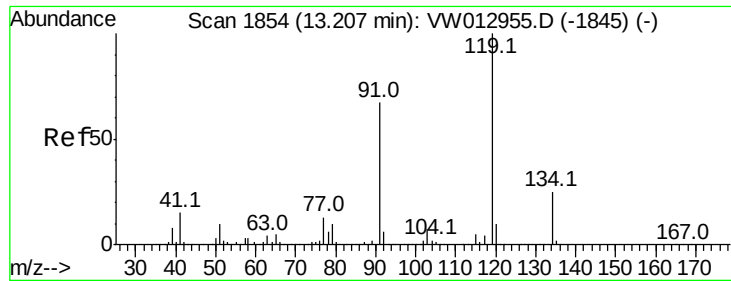
Tgt Ion: 91 Resp: 415283

Ion Ratio Lower Upper

91 100

126 31.9 16.1 48.3

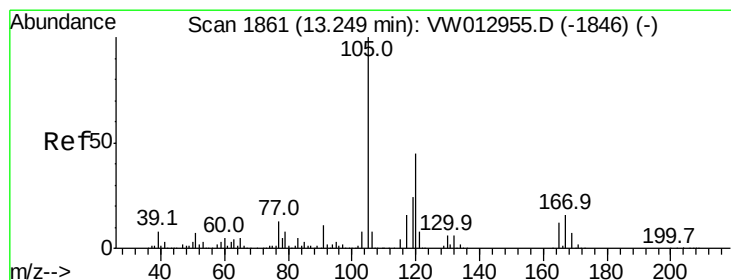
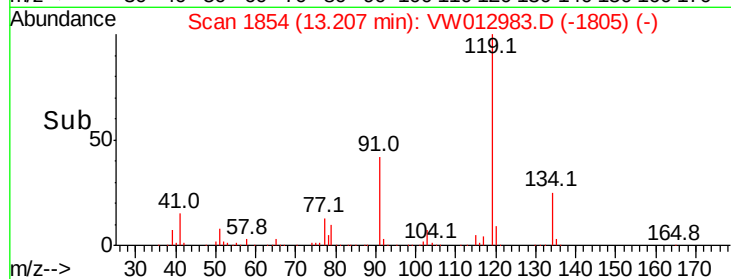
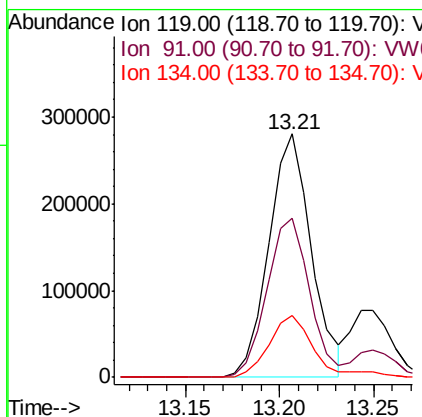
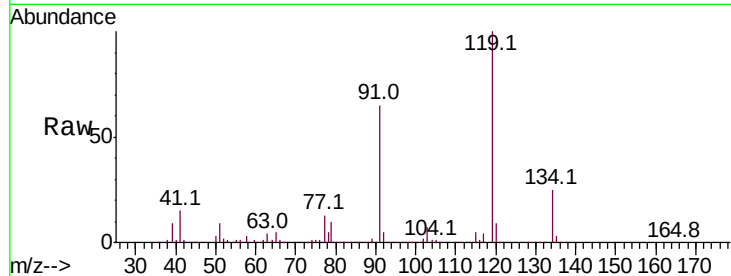




#83
 tert-Butylbenzene
 Concen: 50.768 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW012983.D
 Acq: 14 Sep 2019 10:27

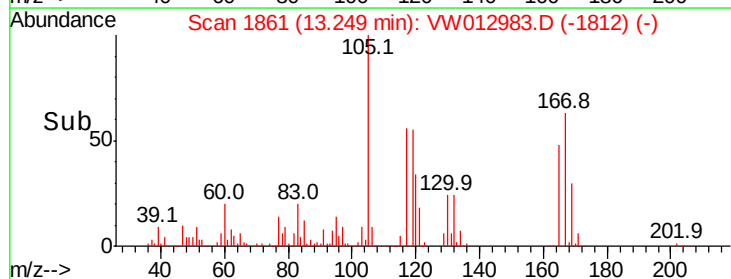
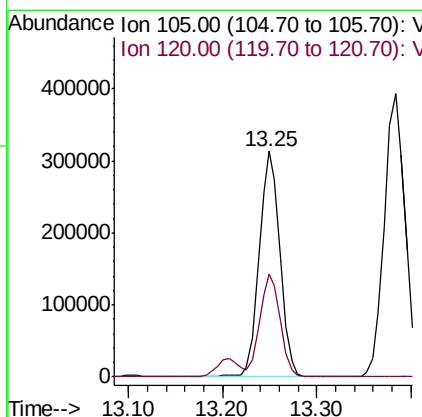
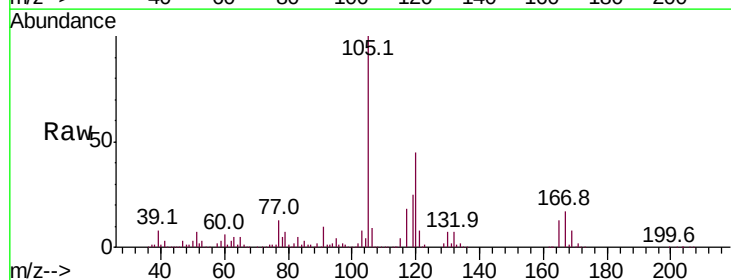
Instrument :
 MSVOA_W
 ClientSampleId :

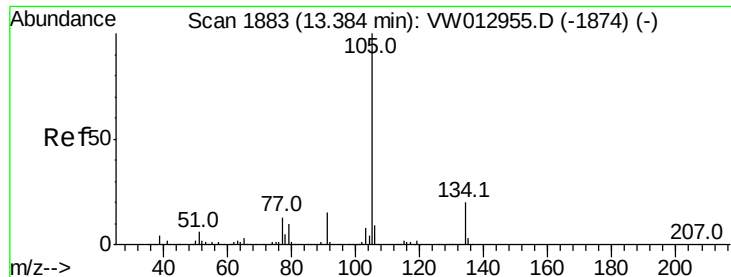
Tot Ion:119 Resp: 438676
 Ion Ratio Lower Upper
 119 100
 91 65.7 32.6 98.0
 134 26.8 12.4 37.4



#84
 1,2,4-Trimethylbenzene
 Concen: 50.996 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW012983.D
 Acq: 14 Sep 2019 10:27

Tgt Ion:105 Resp: 486808
 Ion Ratio Lower Upper
 105 100
 120 44.4 21.9 65.7

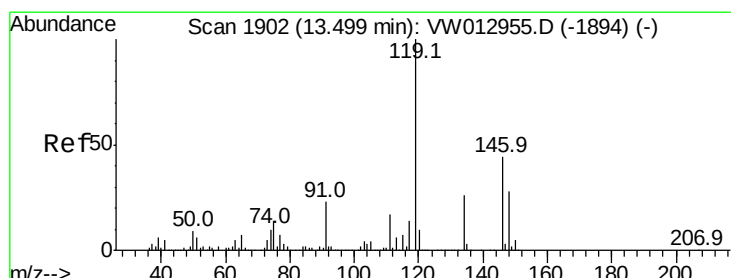
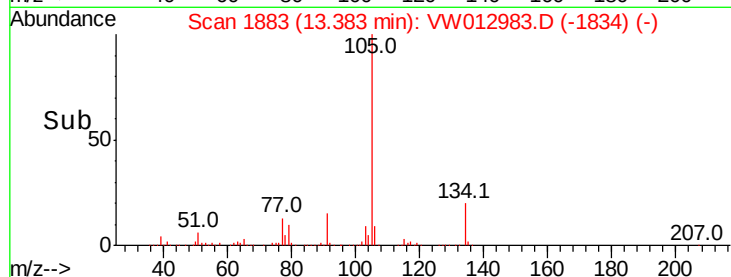
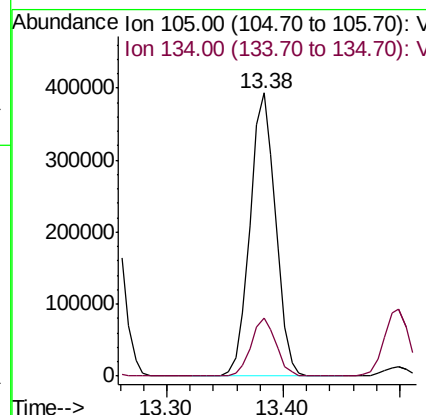
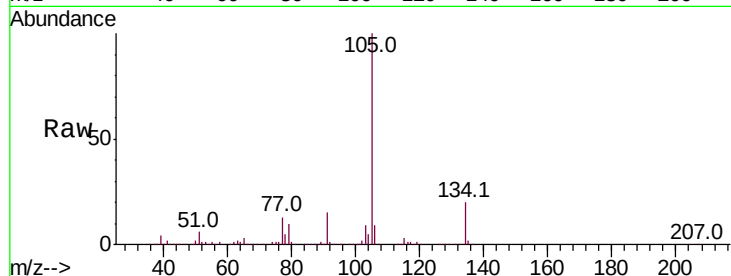




#85
 sec-Butylbenzene
 Concen: 51.177 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW012983.D
 Acq: 14 Sep 2019 10:27

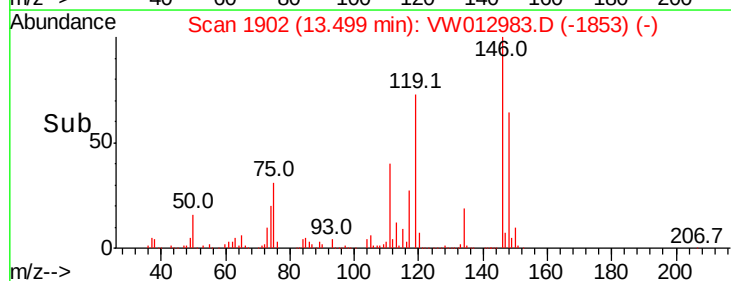
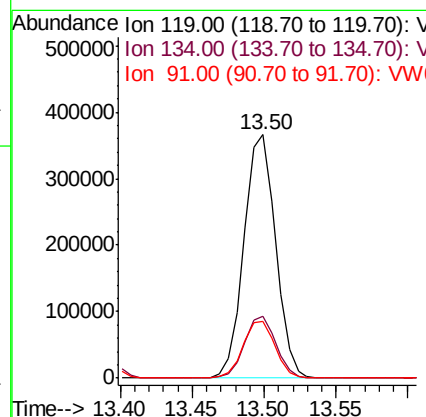
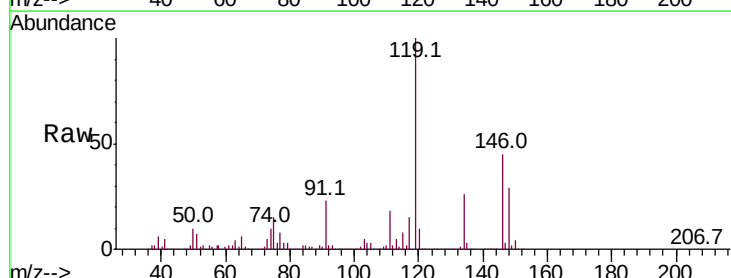
Instrument :
 MSVOA_W
 ClientSampled :

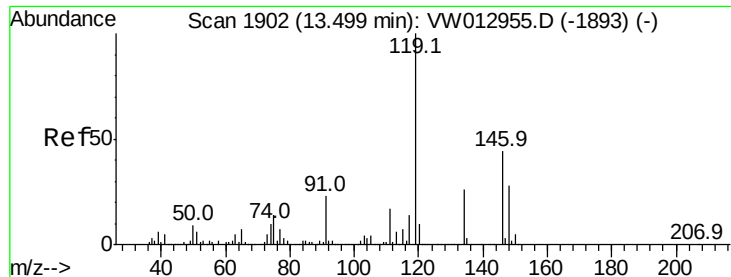
Tot Ion:105 Resp: 602490
 Ion Ratio Lower Upper
 105 100
 134 20.0 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 51.543 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012983.D
 Acq: 14 Sep 2019 10:27

Tgt Ion:119 Resp: 557109
 Ion Ratio Lower Upper
 119 100
 134 25.2 12.8 38.3
 91 23.5 11.8 35.4

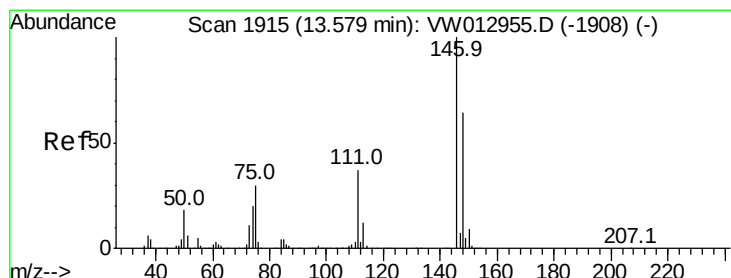
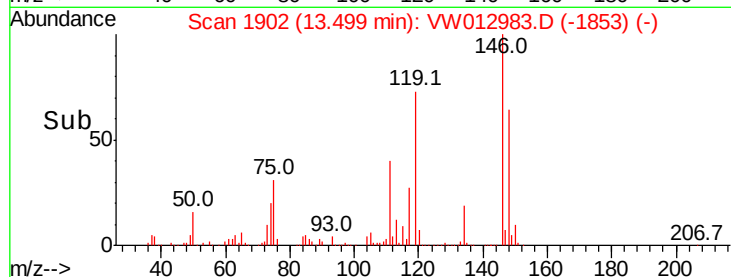
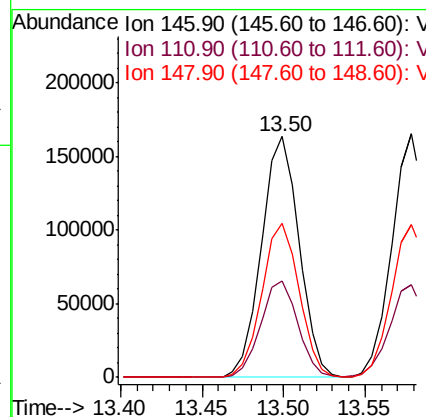
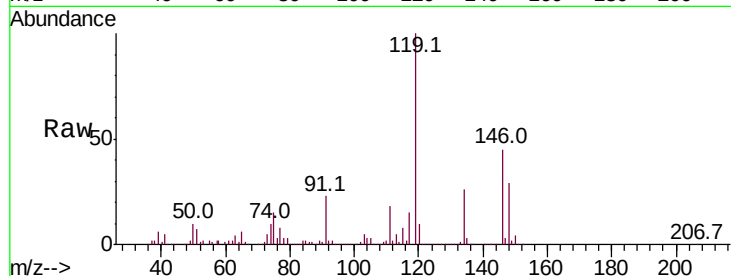




#87
 1,3-Dichlorobenzene
 Concen: 50.208 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012983.D
 Acq: 14 Sep 2019 10:27

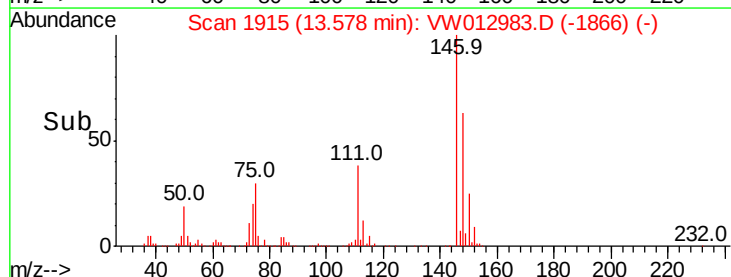
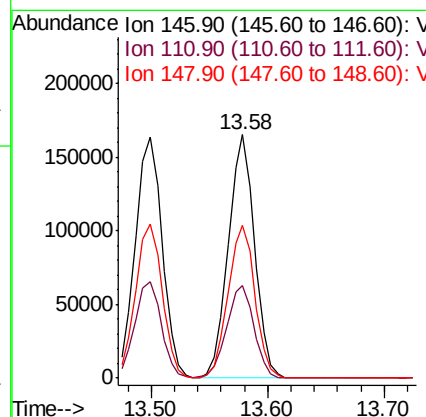
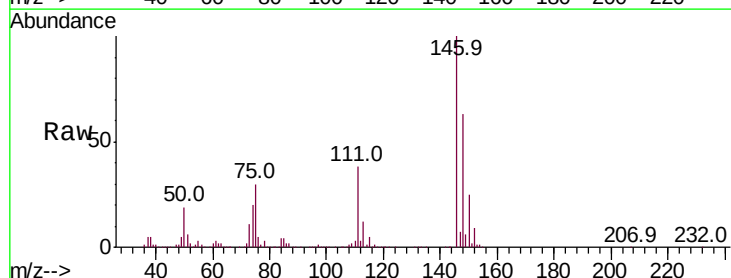
Instrument :
 MSVOA_W
 ClientSampleId :

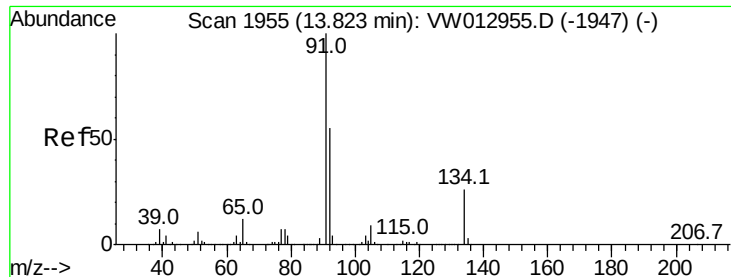
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.8	59.4
148	63.4	31.9	95.7



#88
 1,4-Dichlorobenzene
 Concen: 50.312 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW012983.D
 Acq: 14 Sep 2019 10:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.4	58.2
148	64.3	31.9	95.5





#89

n-Butylbenzene

Concen: 51.865 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW012983.D

Acq: 14 Sep 2019 10:27

Instrument :

MSVOA_W

ClientSampled :

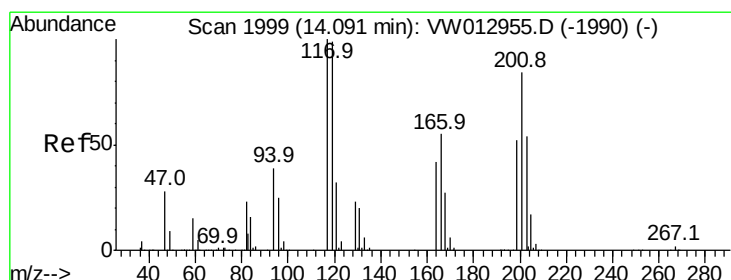
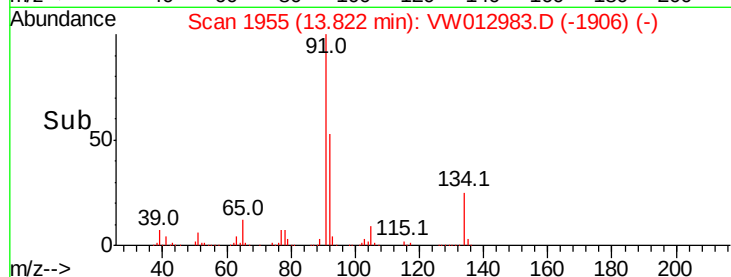
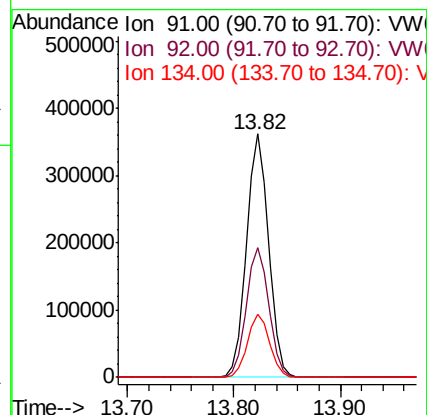
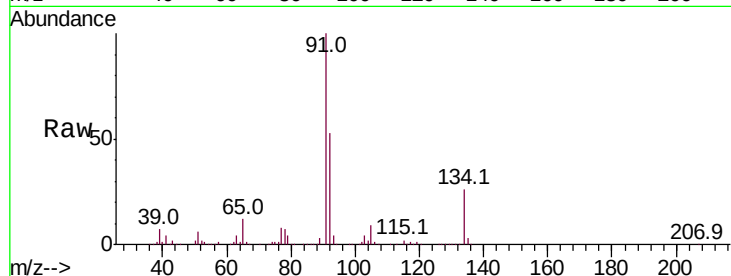
Tot Ion: 91 Resp: 528684

Ion Ratio Lower Upper

91 100

92 54.3 27.2 81.5

134 26.1 13.1 39.1



#90

Hexachloroethane

Concen: 51.712 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW012983.D

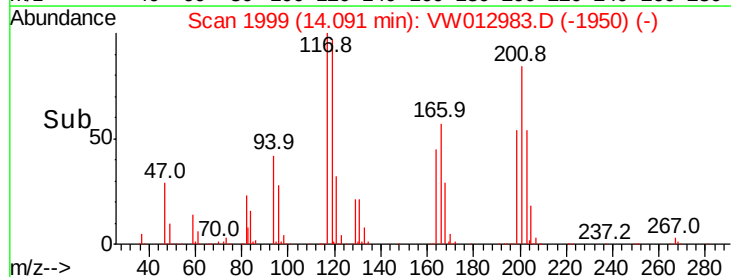
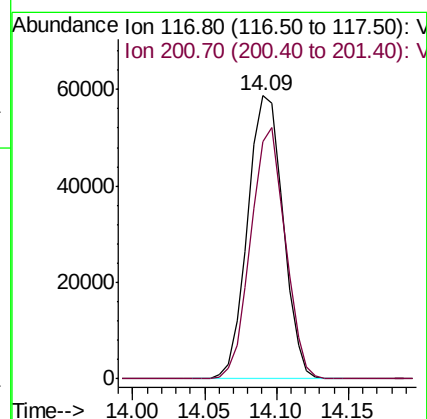
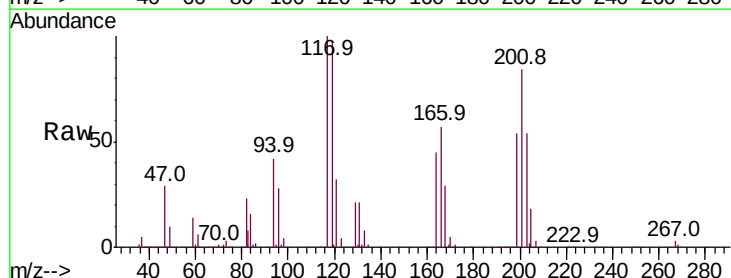
Acq: 14 Sep 2019 10:27

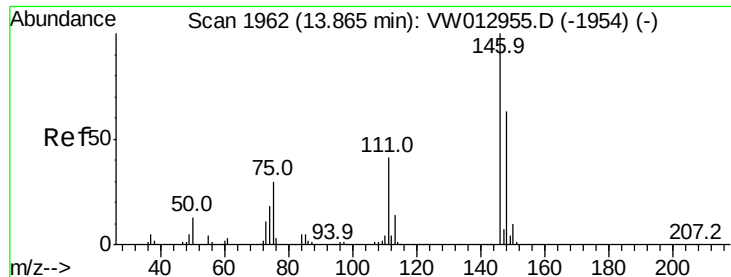
Tgt Ion: 117 Resp: 100163

Ion Ratio Lower Upper

117 100

201 86.2 45.3 135.9

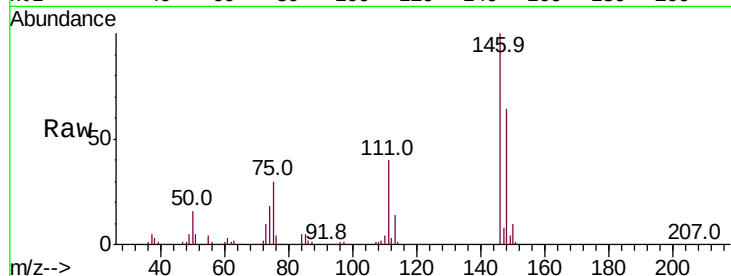




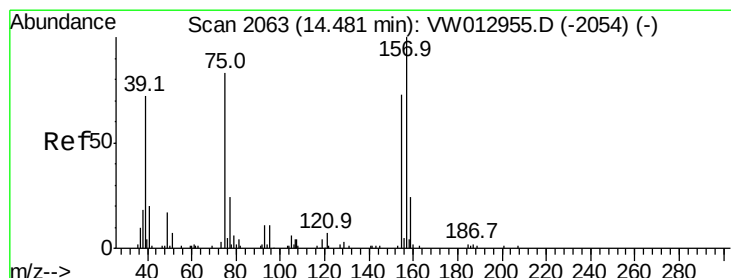
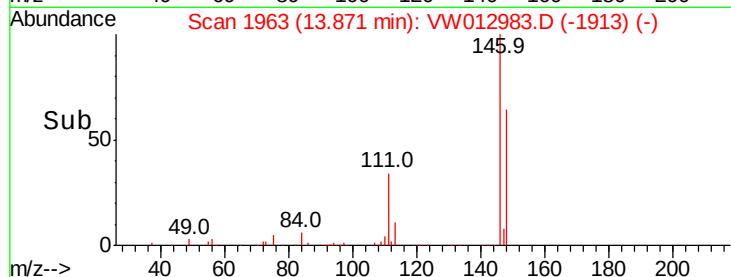
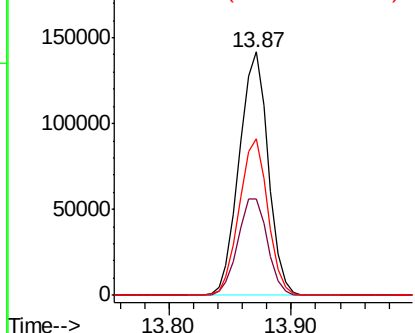
#91
 1,2-Dichlorobenzene
 Concen: 50.651 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.01 min
 Lab File: VW012983.D
 Acq: 14 Sep 2019 10:27

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.8	62.5
148	63.6	32.7	98.1

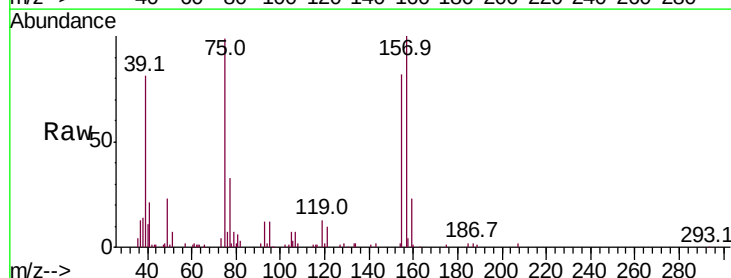


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

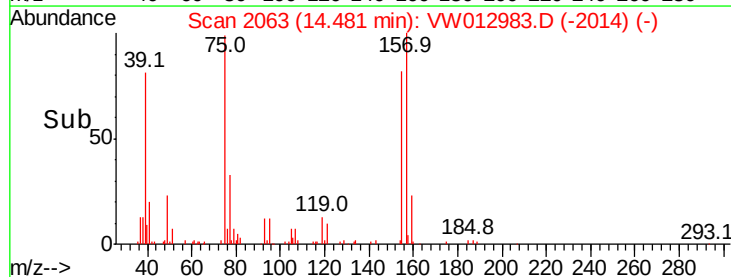
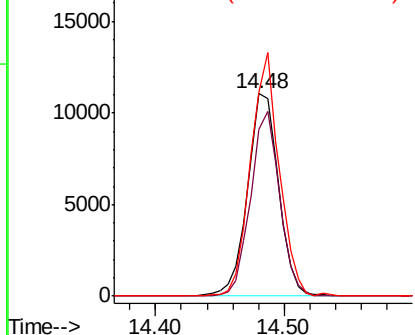


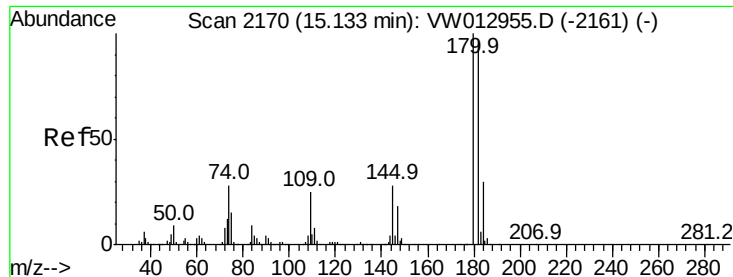
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.882 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW012983.D
 Acq: 14 Sep 2019 10:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.3	43.3	129.9
157	110.0	54.7	164.1



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

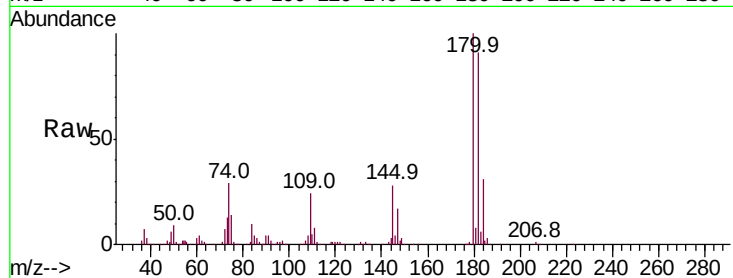




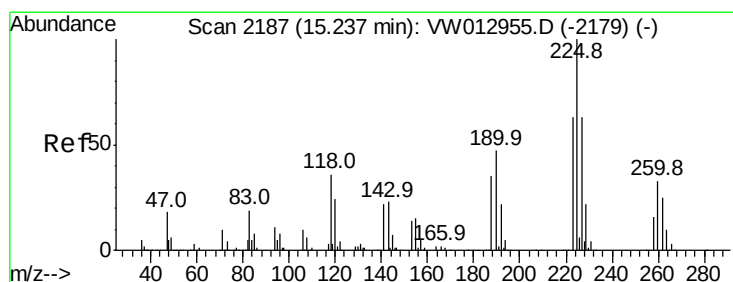
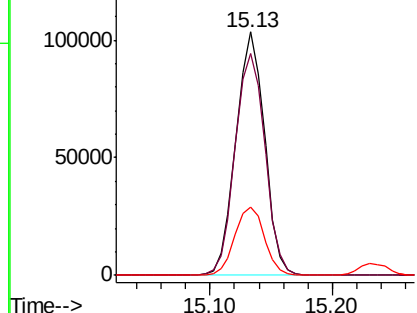
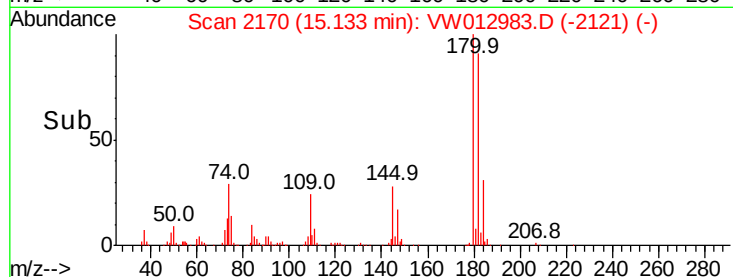
#93
 1,2,4-Trichlorobenzene
 Concen: 51.363 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012983.D
 Acq: 14 Sep 2019 10:27

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.4	142.2
145	29.0	14.9	44.7

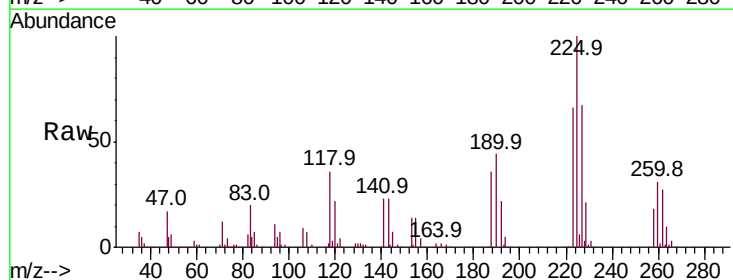


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

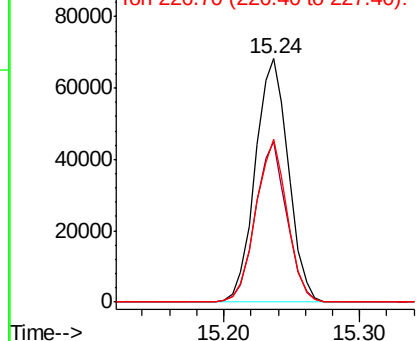
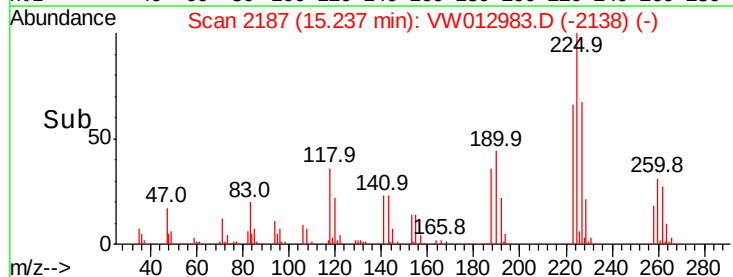


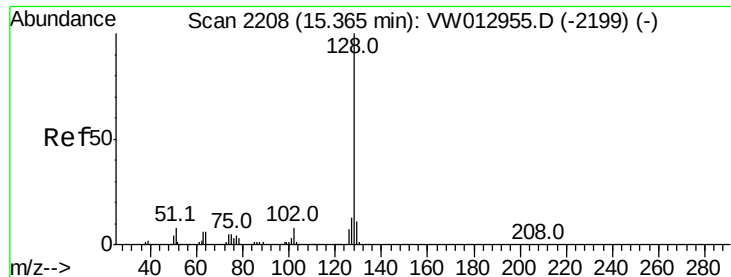
#94
 Hexachlorobutadiene
 Concen: 50.351 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012983.D
 Acq: 14 Sep 2019 10:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.8	95.3
227	63.6	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

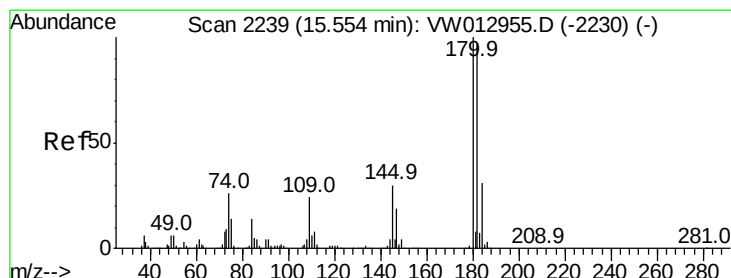
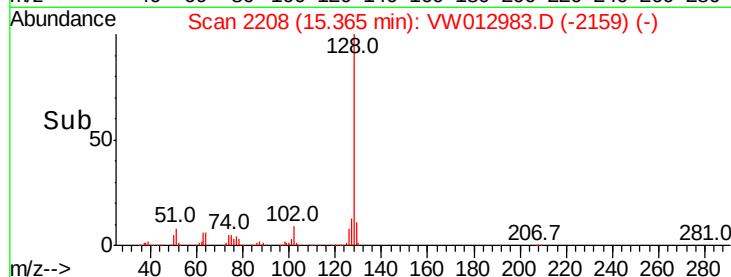
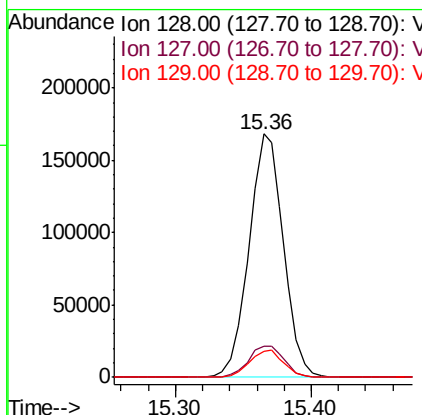
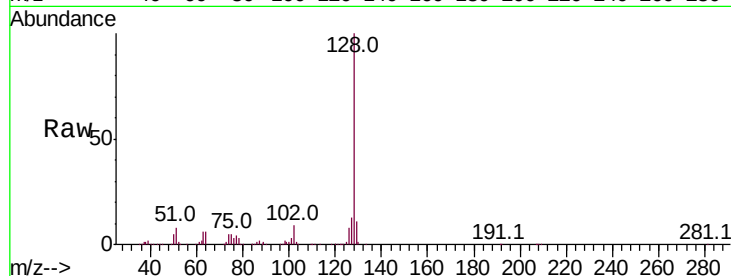




#95
Naphthalene
Concen: 54.503 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW012983.D
Acq: 14 Sep 2019 10:27

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	11.0	16.6
129	11.0	8.6	12.8



#96
1,2,3-Trichlorobenzene
Concen: 51.221 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW012983.D
Acq: 14 Sep 2019 10:27

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.6	142.8
145	30.3	15.4	46.2

