

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092519\
 Data File : VW013292.D
 Acq On : 25 Sep 2019 11:41
 Operator : SY/VA
 Sample : VW0925SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 25 17:20:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	286272	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	406187	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	350511	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	183082	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	117248	50.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.36%	
35) Dibromofluoromethane	7.88	113	113511	50.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.62%	
50) Toluene-d8	10.32	98	475272	50.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.66%	
62) 4-Bromofluorobenzene	12.62	95	164439	51.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	30397	18.408	ug/l	92
3) Chloromethane	2.21	50	42229	19.894	ug/l	98
4) Vinyl Chloride	2.35	62	56494	20.644	ug/l	94
5) Bromomethane	2.78	94	34432	19.854	ug/l	89
6) Chloroethane	2.91	64	31941	19.801	ug/l	95
7) Trichlorofluoromethane	3.25	101	29565	18.736	ug/l	96
8) Diethyl Ether	3.68	74	28392	21.064	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	53516	20.831	ug/l	99
10) Methyl Iodide	4.27	142	78513	19.711	ug/l	99
11) Tert butyl alcohol	5.20	59	21290	121.384	ug/l	95
12) 1,1-Dichloroethene	4.03	96	53145	19.977	ug/l	97
13) Acrolein	3.89	56	15076	112.093	ug/l	97
14) Allyl chloride	4.67	41	85312	20.149	ug/l	98
15) Acrylonitrile	5.37	53	74158	127.470	ug/l	97
16) Acetone	4.13	43	62086	117.836	ug/l	98
17) Carbon Disulfide	4.38	76	150194	19.532	ug/l	98
18) Methyl Acetate	4.67	43	37549	25.353	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	92080	22.583	ug/l	100
20) Methylene Chloride	4.92	84	58857	20.105	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	58327	20.285	ug/l	98
22) Diisopropyl ether	6.31	45	163850	20.351	ug/l	97
23) Vinyl Acetate	6.25	43	540508	113.161	ug/l	100
24) 1,1-Dichloroethane	6.21	63	96169	19.794	ug/l	97
25) 2-Butanone	7.17	43	101163	127.902	ug/l	99
26) 2,2-Dichloropropane	7.16	77	64295	20.127	ug/l	97
27) cis-1,2-Dichloroethene	7.16	96	61438	20.247	ug/l	99
28) Bromochloromethane	7.51	49	32207	17.272	ug/l #	94
29) Tetrahydrofuran	7.53	42	65175	134.366	ug/l	98
30) Chloroform	7.67	83	93482	19.653	ug/l	96
31) Cyclohexane	7.95	56	105996	20.930	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	77251	20.053	ug/l	99
36) 1,1-Dichloropropene	8.08	75	82891	21.069	ug/l	99
37) Ethyl Acetate	7.25	43	43399	25.956	ug/l	98
38) Carbon Tetrachloride	8.06	117	72598	20.585	ug/l	98

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

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

39) Methylcyclohexane	9.34	83	108113	21.384	ug/l	98
40) Benzene	8.32	78	226628	20.652	ug/l	100
41) Methacrylonitrile	7.48	41	23979	24.029	ug/l	92
42) 1,2-Dichloroethane	8.40	62	62379	21.146	ug/l	99
43) Isopropyl Acetate	8.42	43	78281	24.428	ug/l	97
44) Trichloroethene	9.09	130	63513	20.629	ug/l	96
45) 1,2-Dichloropropane	9.37	63	56171	20.966	ug/l	98
46) Dibromomethane	9.46	93	28353	21.798	ug/l	96
47) Bromodichloromethane	9.65	83	66647	20.137	ug/l	99
48) Methyl methacrylate	9.44	41	36613	24.297	ug/l	97
49) 1,4-Dioxane	9.47	88	11224	574.865	ug/l #	93
51) 4-Methyl-2-Pentanone	10.21	43	209500	130.404	ug/l	100
52) Toluene	10.38	92	149002	21.186	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	71387	20.994	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	85935	20.785	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	43877	22.569	ug/l	97
56) Ethyl methacrylate	10.65	69	59823	23.512	ug/l	98
57) 1,3-Dichloropropane	10.93	76	76533	22.559	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	136406	115.804	ug/l	98
59) 2-Hexanone	10.97	43	148708	134.541	ug/l	100
60) Dibromochloromethane	11.13	129	46686	21.148	ug/l	98
61) 1,2-Dibromoethane	11.23	107	42521	23.003	ug/l	97
64) Tetrachloroethene	10.86	164	55726	20.954	ug/l	97
65) Chlorobenzene	11.66	112	151226	20.661	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	51636	20.650	ug/l	98
67) Ethyl Benzene	11.73	91	277179	20.900	ug/l	97
68) m/p-Xylenes	11.84	106	215434	42.630	ug/l	100
69) o-Xylene	12.16	106	97988	20.855	ug/l	99
70) Styrene	12.18	104	169466	21.009	ug/l	100
71) Bromoform	12.35	173	30442	23.044	ug/l #	100
73) Isopropylbenzene	12.46	105	274870	20.324	ug/l	100
74) N-amyl acetate	12.27	43	70371	23.449	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	54416	24.058	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	66323	41.020	ug/l #	100
77) Bromobenzene	12.75	156	66371	20.709	ug/l	98
78) n-propylbenzene	12.80	91	323810	20.454	ug/l	99
79) 2-Chlorotoluene	12.89	91	180866	20.393	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	230933	20.313	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	16381	22.734	ug/l	94
82) 4-Chlorotoluene	12.99	91	191620	20.488	ug/l	99
83) tert-Butylbenzene	13.21	119	205516	20.596	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	229110	20.252	ug/l	99
85) sec-Butylbenzene	13.38	105	285723	20.769	ug/l	100
86) p-Isopropyltoluene	13.50	119	262678	20.586	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	124580	20.198	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	125718	20.782	ug/l	99
89) n-Butylbenzene	13.82	91	240040	20.602	ug/l	99
90) Hexachloroethane	14.09	117	42513	19.833	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	112193	21.025	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8688	25.113	ug/l	94

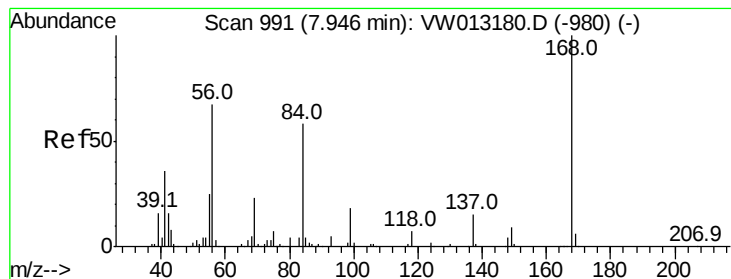
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092519\
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ClientSampleId :

Quant Time: Sep 25 17:20:15 2019
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Quant Title : SW846 8260
QLast Update : Fri Sep 20 15:58:08 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	79716	20.848	ug/l	99
94) Hexachlorobutadiene	15.24	225	55479	21.207	ug/l	99
95) Naphthalene	15.36	128	151053	24.154	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	70871	21.450	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: VW013292.D

Acq: 25 Sep 2019 11:41

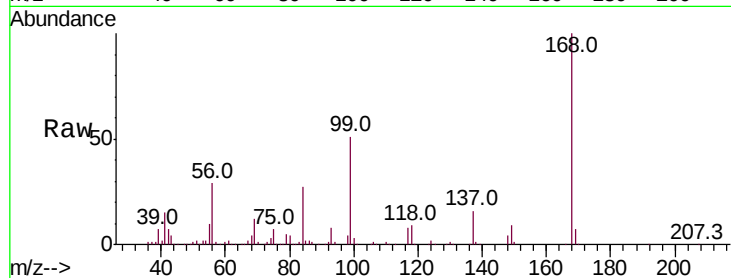
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 286272

Ion Ratio Lower Upper

168 100

99 51.4 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

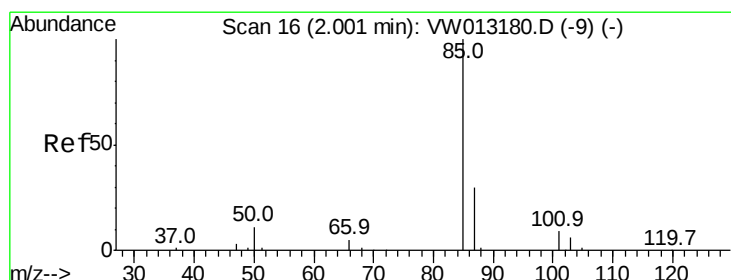
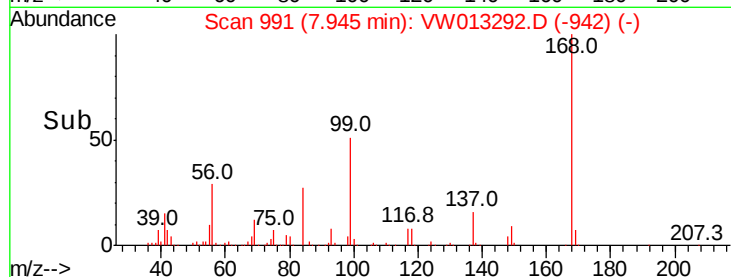
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.408 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.01 min

Lab File: VW013292.D

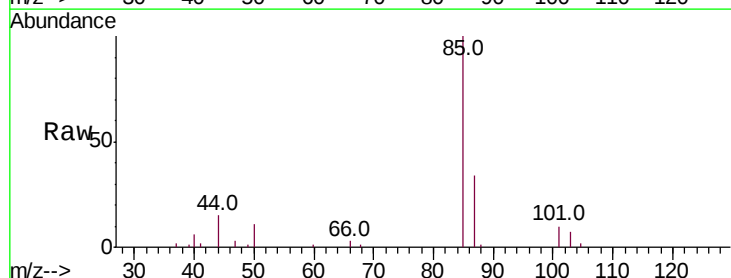
Acq: 25 Sep 2019 11:41

Tgt Ion: 85 Resp: 30397

Ion Ratio Lower Upper

85 100

87 34.4 15.1 45.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

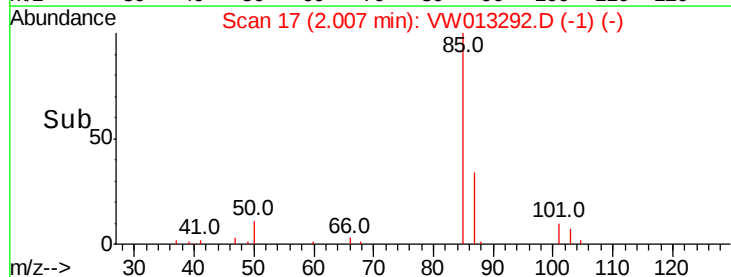
2.01

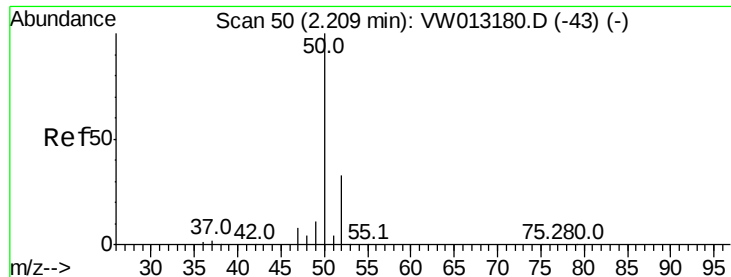
10000

5000

0

Time-->





#3

Chloromethane

Concen: 19.894 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW013292.D

Acq: 25 Sep 2019 11:41

Instrument :

MSVOA_W

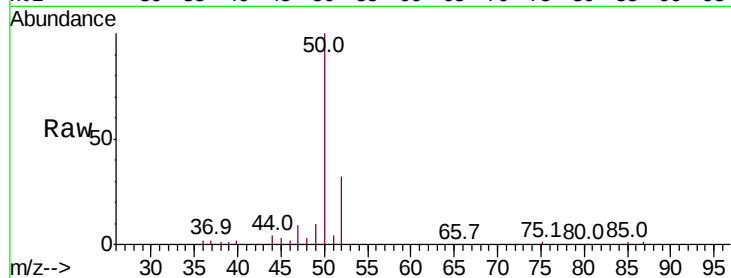
ClientSampleId :

Tot Ion: 50 Resp: 42229

Ion Ratio Lower Upper

50 100

52 31.7 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW

2.21

25000

20000

15000

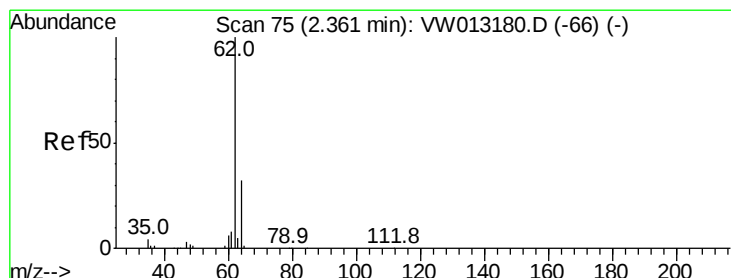
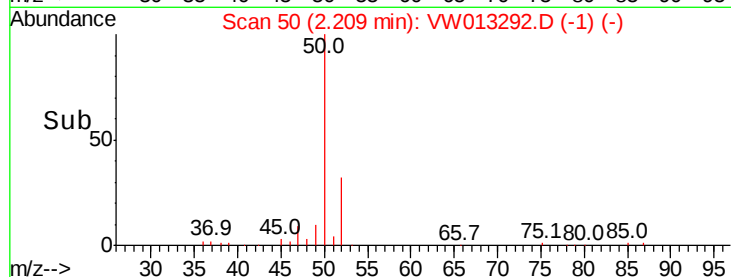
10000

5000

0

Time-->

2.15 2.20 2.25 2.30



#4

Vinyl Chloride

Concen: 20.644 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW013292.D

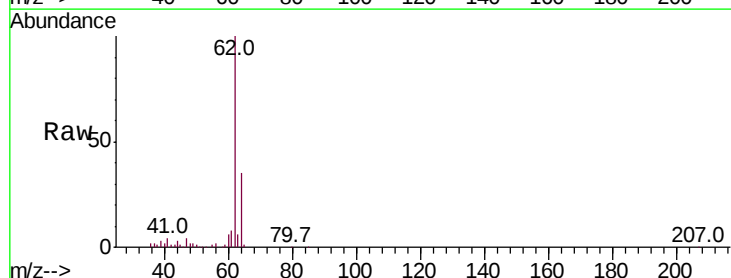
Acq: 25 Sep 2019 11:41

Tgt Ion: 62 Resp: 56494

Ion Ratio Lower Upper

62 100

64 35.2 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW

2.35

30000

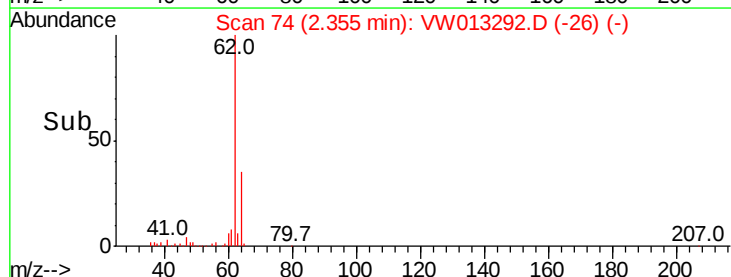
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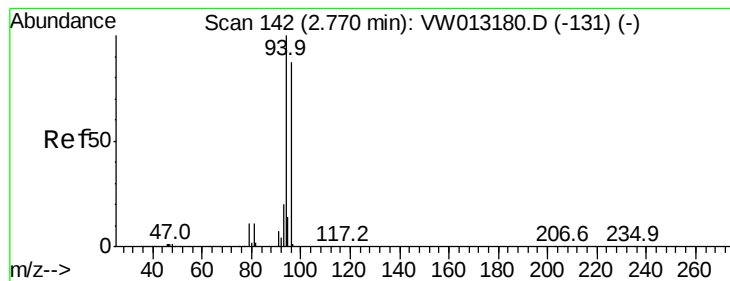
10000

0

Time-->

2.25 2.30 2.35 2.40 2.45





#5

Bromomethane

Concen: 19.854 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.01 min

Lab File: VW013292.D

Acq: 25 Sep 2019 11:41

Instrument :

MSVOA_W

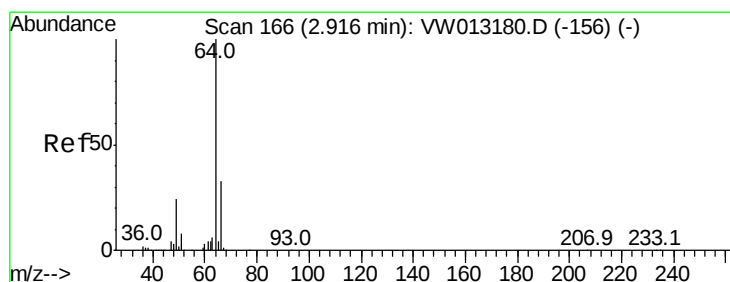
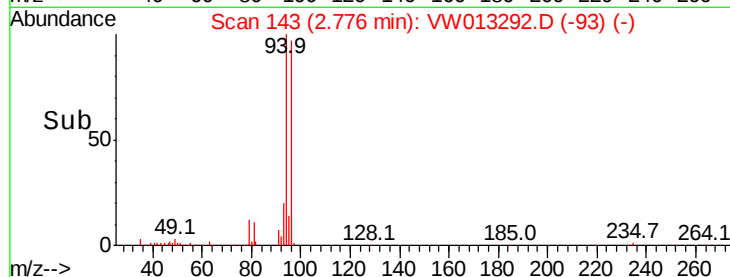
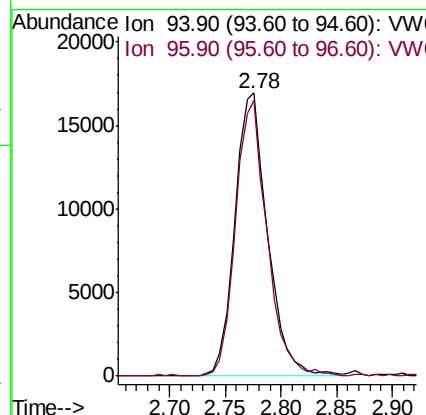
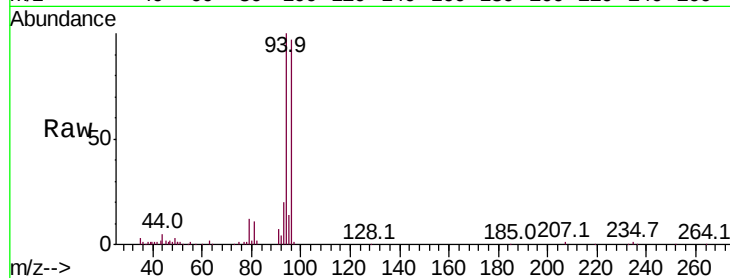
ClientSampleId :

Tot Ion: 94 Resp: 34432

Ion Ratio Lower Upper

94 100

96 97.4 69.7 104.5



#6

Chloroethane

Concen: 19.801 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW013292.D

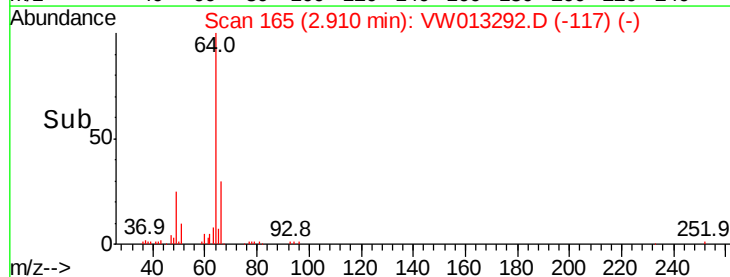
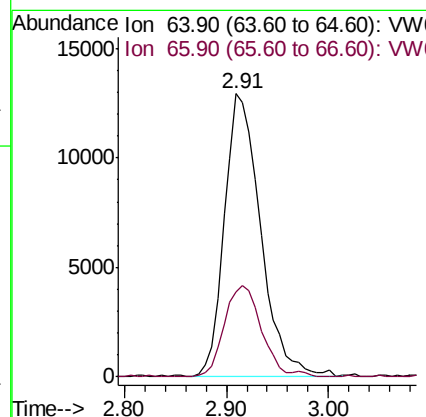
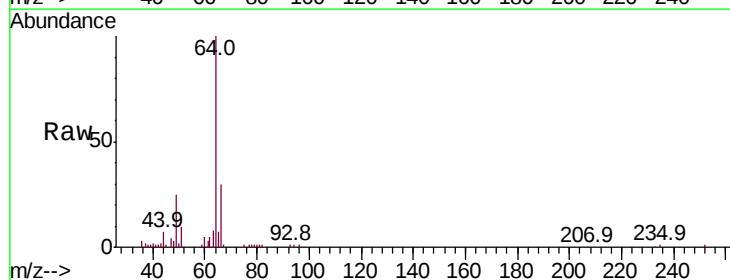
Acq: 25 Sep 2019 11:41

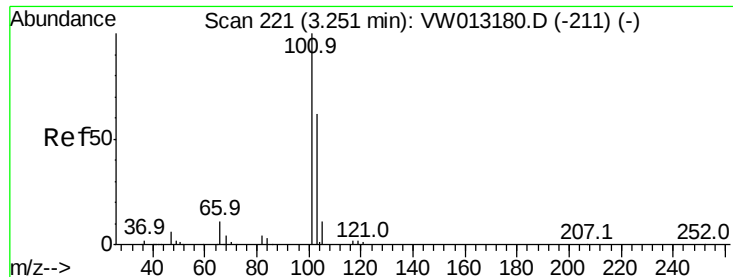
Tgt Ion: 64 Resp: 31941

Ion Ratio Lower Upper

64 100

66 30.2 26.6 39.8



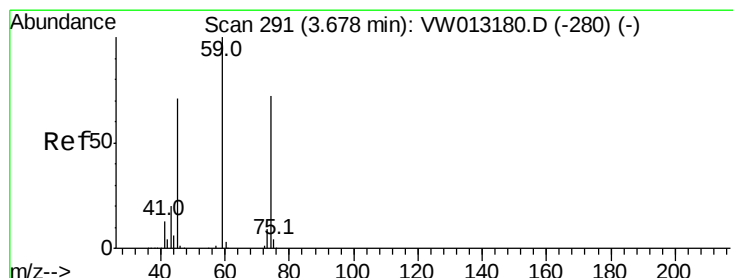
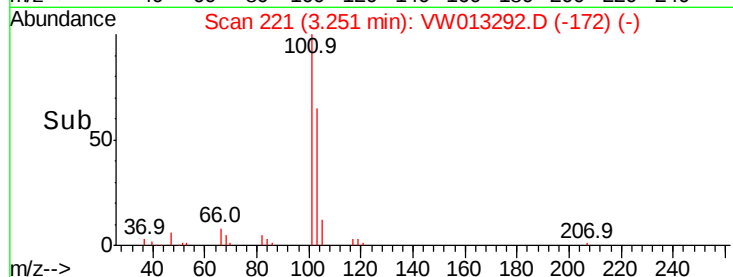
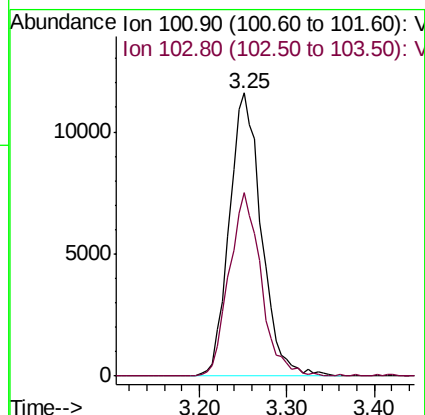
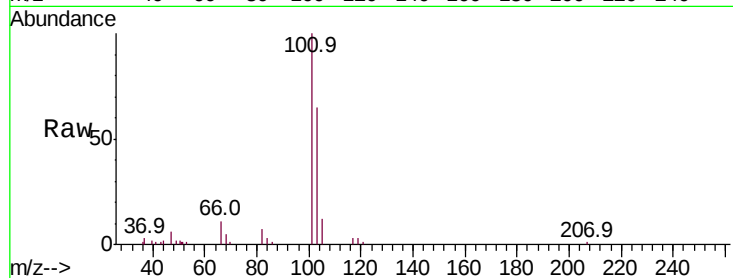


#7

Trichlorofluoromethane
 Concen: 18.736 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW013292.D
 Acq: 25 Sep 2019 11:41

Instrument :
 MSVOA_W
 ClientSampleId :

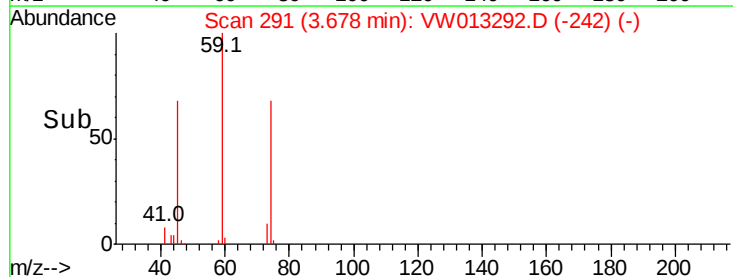
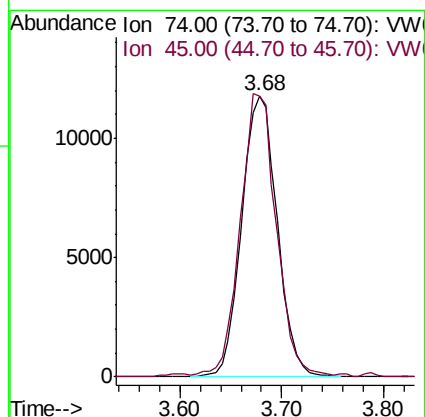
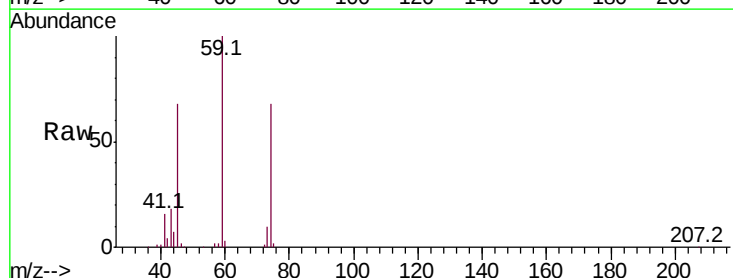
Tot Ion:101 Resp: 29565
 Ion Ratio Lower Upper
 101 100
 103 64.8 49.7 74.5

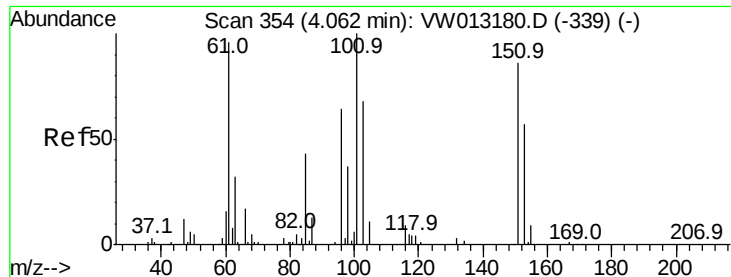


#8

Diethyl Ether
 Concen: 21.064 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW013292.D
 Acq: 25 Sep 2019 11:41

Tgt Ion: 74 Resp: 28392
 Ion Ratio Lower Upper
 74 100
 45 103.3 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.831 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW013292.D

Acq: 25 Sep 2019 11:41

Instrument :

MSVOA_W

ClientSampleId :

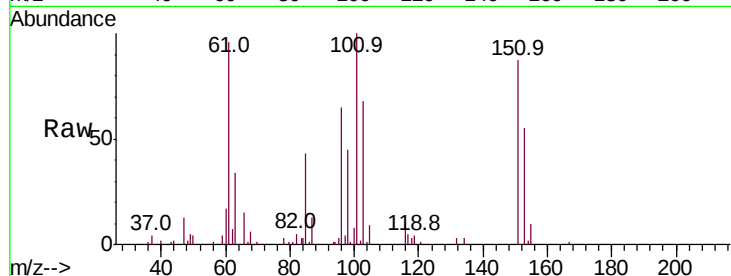
Tot Ion:101 Resp: 53516

Ion Ratio Lower Upper

101 100

85 41.2 33.4 50.0

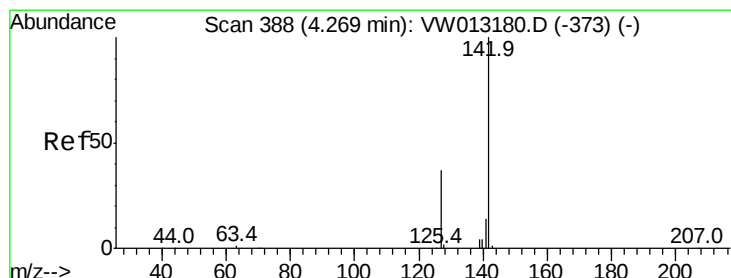
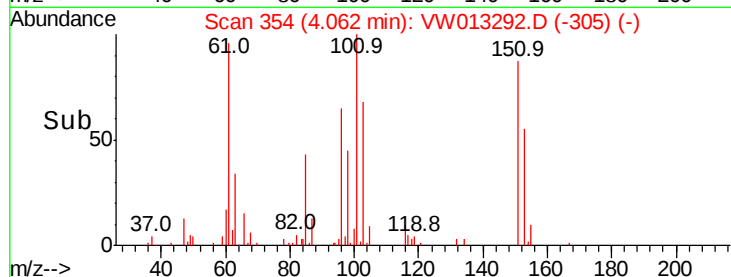
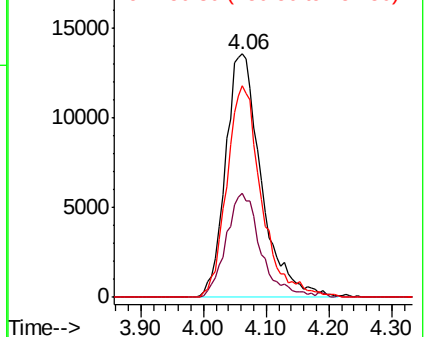
151 83.9 66.9 100.3



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: 19.711 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW013292.D

Acq: 25 Sep 2019 11:41

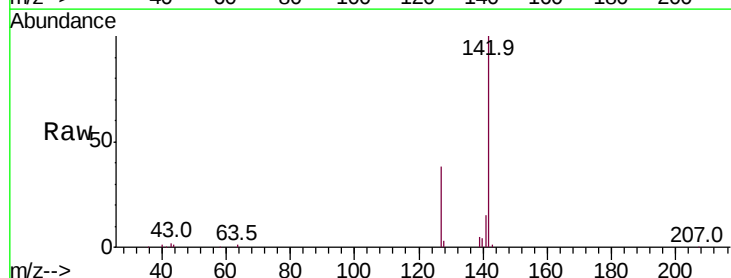
Tgt Ion:142 Resp: 78513

Ion Ratio Lower Upper

142 100

127 37.9 30.9 46.3

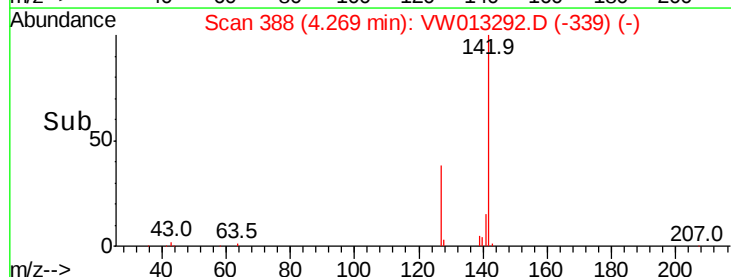
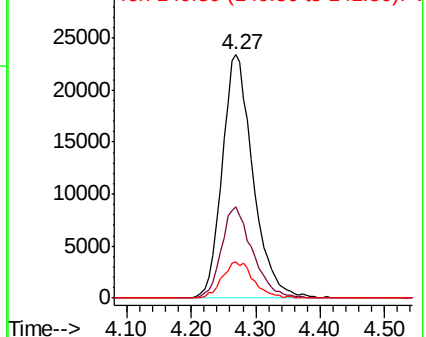
141 15.1 11.7 17.5

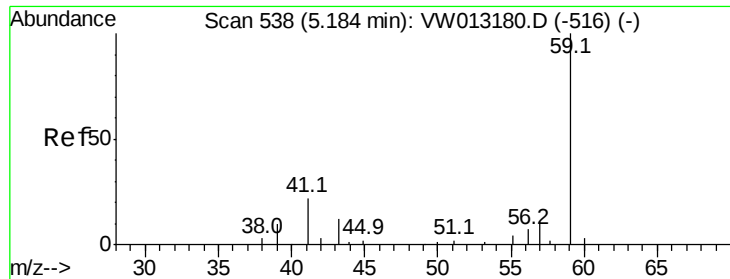


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

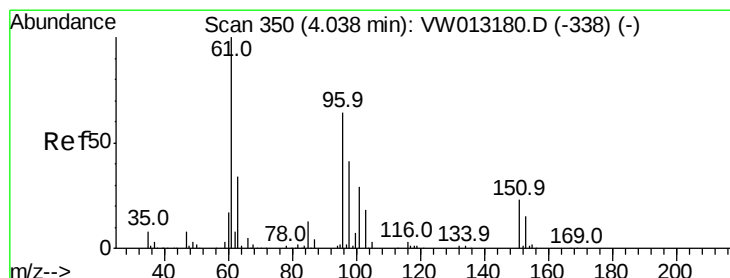
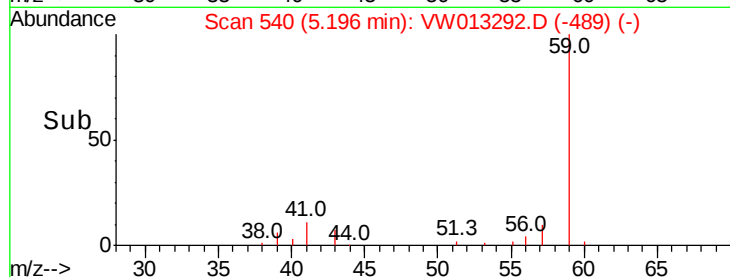
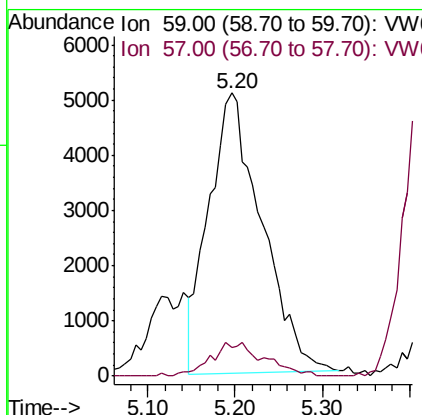
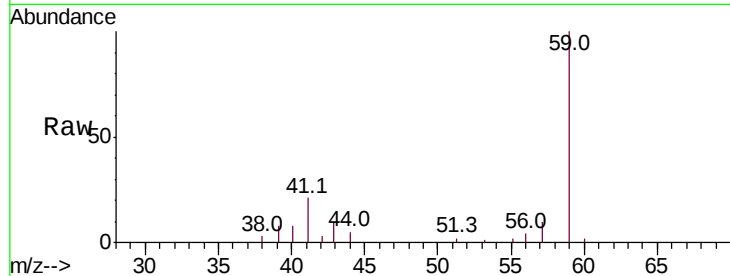




#11
Tert butyl alcohol
Concen: 121.384 ug/l
RT: 5.20 min Scan# 540
Delta R.T. 0.01 min
Lab File: VW013292.D
Acq: 25 Sep 2019 11:41

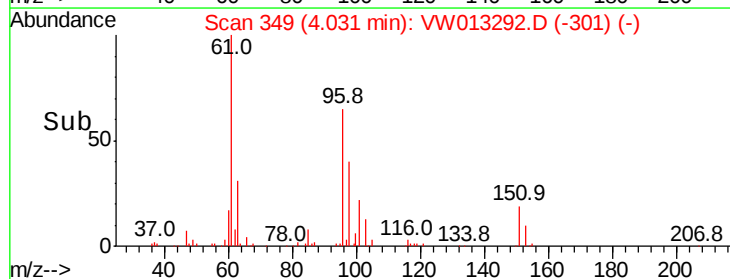
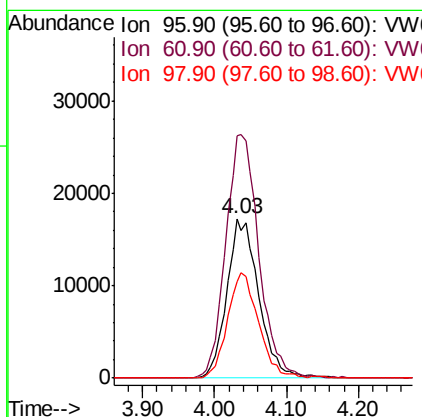
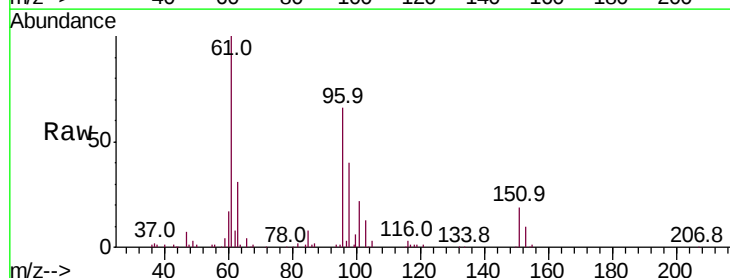
Instrument :
MSVOA_W
ClientSampled :

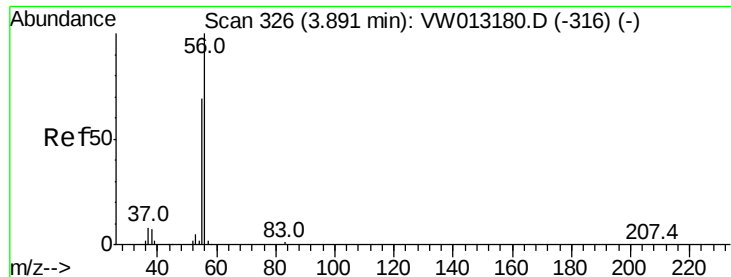
Tot Ion: 59 Resp: 21290
Ion Ratio Lower Upper
59 100
57 12.2 8.2 12.2



#12
1,1-Dichloroethene
Concen: 19.977 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW013292.D
Acq: 25 Sep 2019 11:41

Tgt Ion: 96 Resp: 53145
Ion Ratio Lower Upper
96 100
61 152.4 125.1 187.7
98 60.4 50.8 76.2





#13

Acrolein

Concen: 112.093 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW013292.D

Acq: 25 Sep 2019 11:41

Instrument :

MSVOA_W

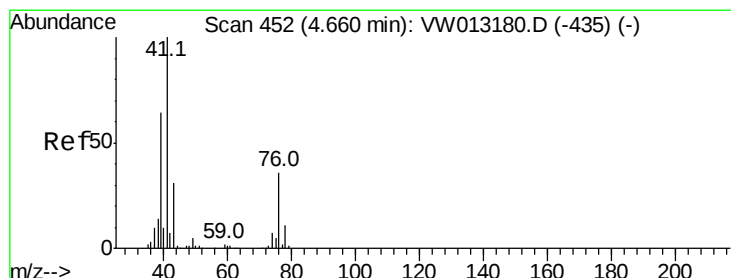
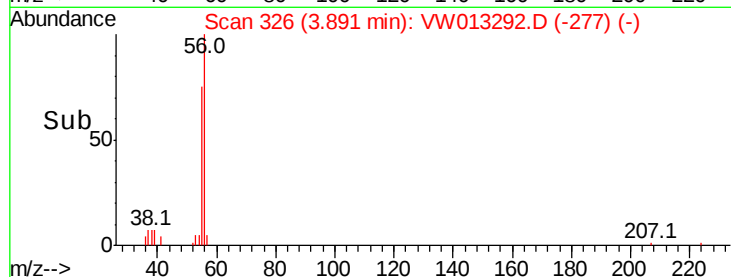
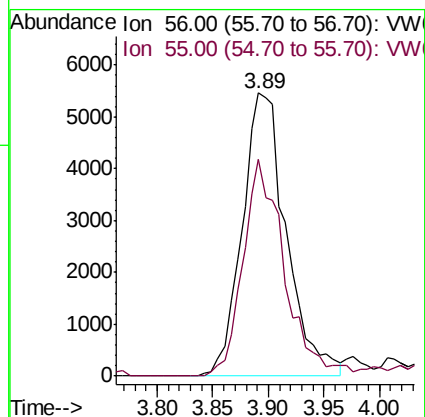
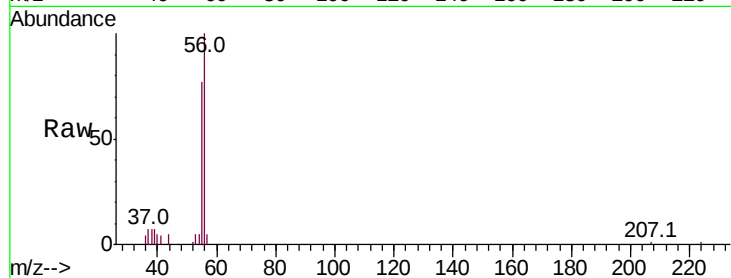
ClientSampleId :

Tot Ion: 56 Resp: 15076

Ion Ratio Lower Upper

56 100

55 71.4 55.4 83.0



#14

Allyl chloride

Concen: 20.149 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW013292.D

Acq: 25 Sep 2019 11:41

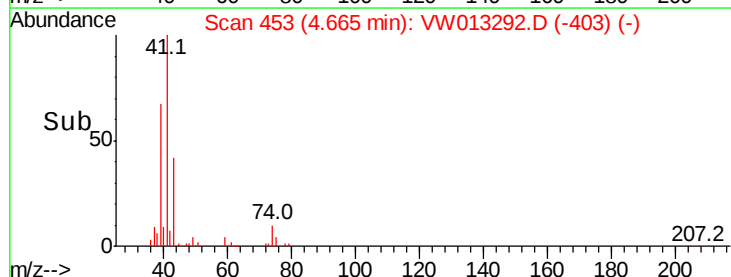
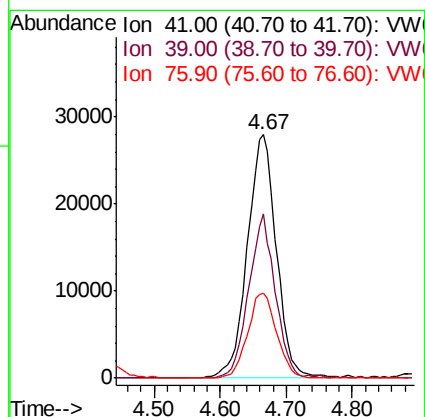
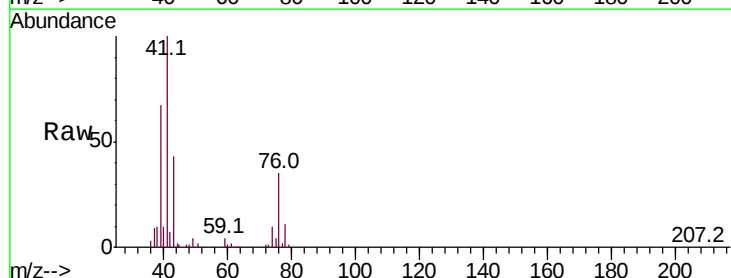
Tgt Ion: 41 Resp: 85312

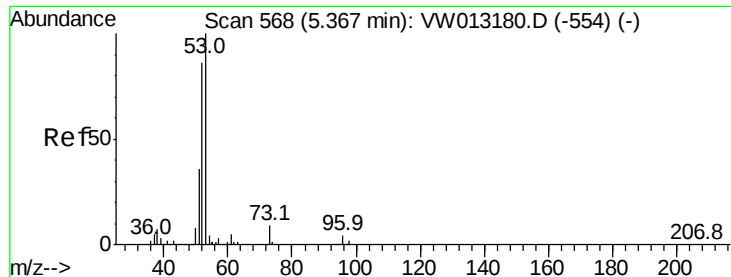
Ion Ratio Lower Upper

41 100

39 61.8 51.0 76.4

76 34.6 28.4 42.6





#15

Acrylonitrile

Concen: 127.470 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW013292.D

Acq: 25 Sep 2019 11:41

Instrument :

MSVOA_W

ClientSampleId :

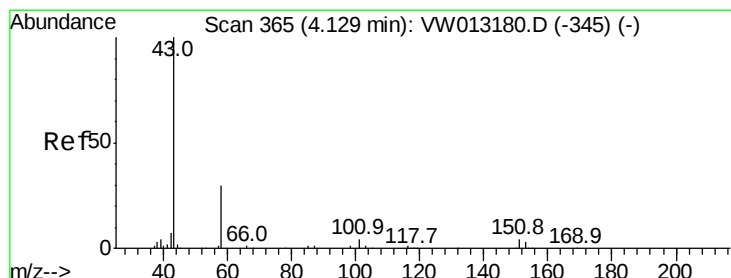
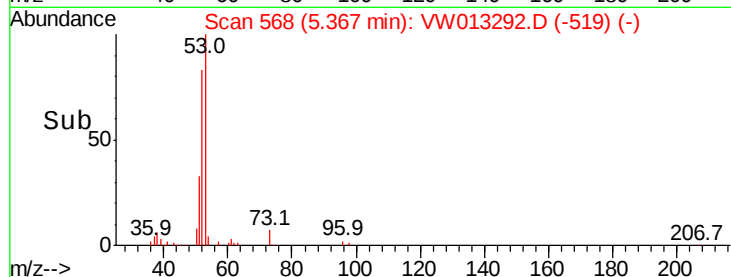
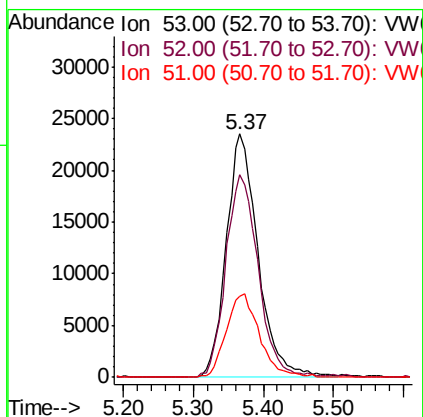
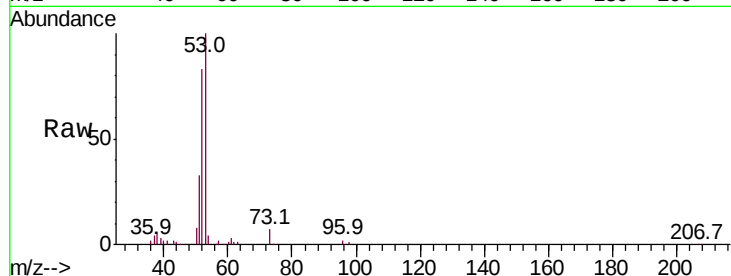
Tot Ion: 53 Resp: 74158

Ion Ratio Lower Upper

53 100

52 84.7 65.3 97.9

51 35.9 29.0 43.4



#16

Acetone

Concen: 117.836 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.00 min

Lab File: VW013292.D

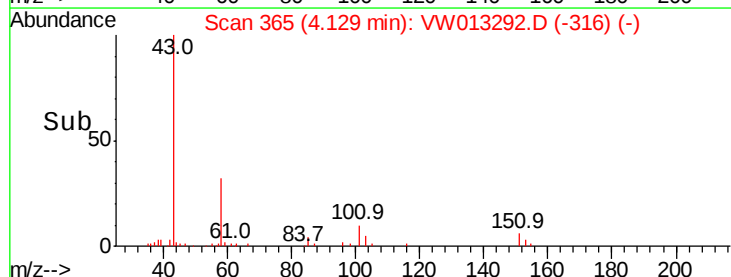
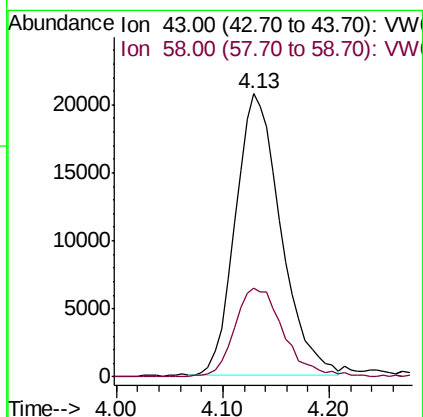
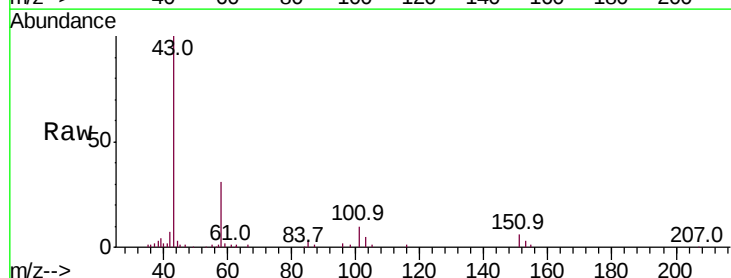
Acq: 25 Sep 2019 11:41

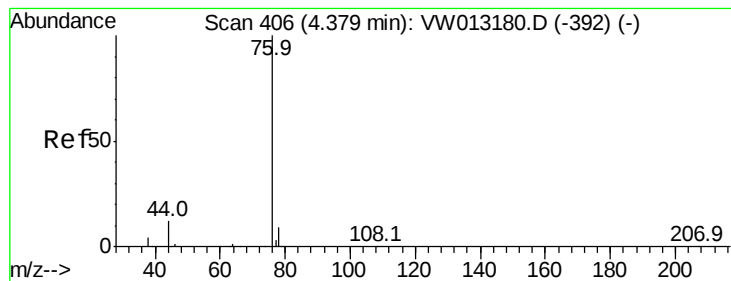
Tgt Ion: 43 Resp: 62086

Ion Ratio Lower Upper

43 100

58 31.2 24.1 36.1





#17

Carbon Disulfide

Concen: 19.532 ug/l

RT: 4.38 min Scan# 407

Delta R.T. 0.01 min

Lab File: VW013292.D

Acq: 25 Sep 2019 11:41

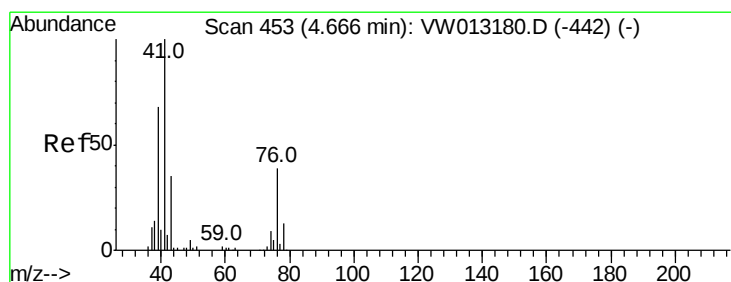
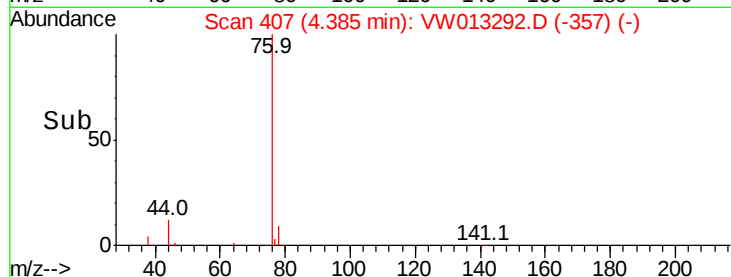
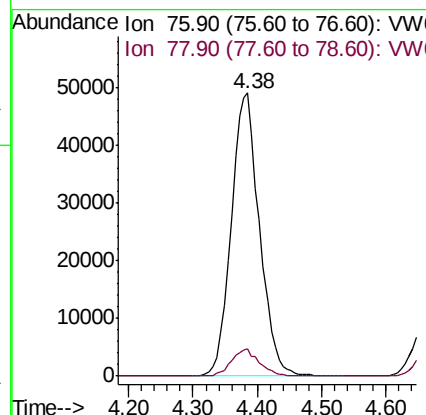
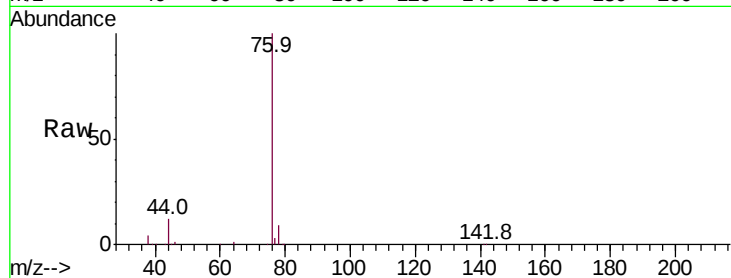
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 76 Resp: 150194

Ion Ratio Lower Upper

76 100

78 9.5 7.0 10.4



#18

Methyl Acetate

Concen: 25.353 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW013292.D

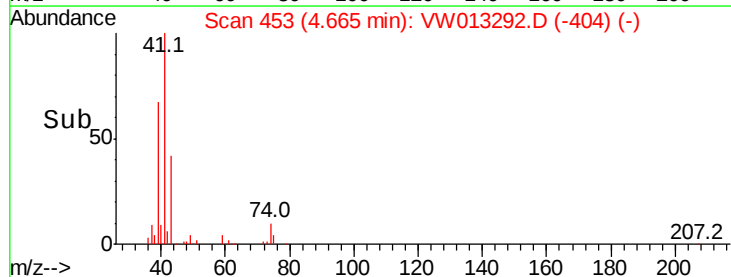
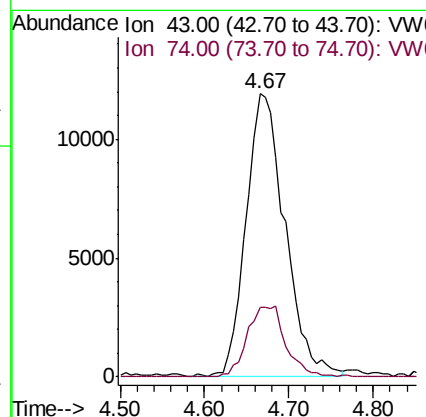
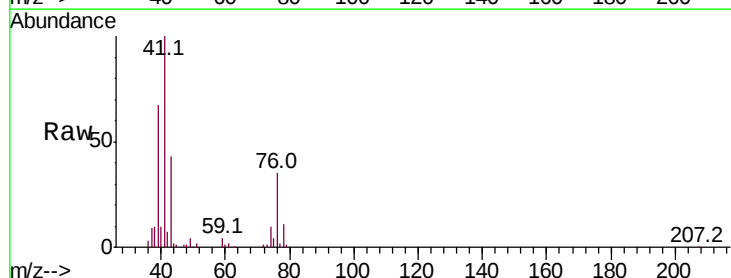
Acq: 25 Sep 2019 11:41

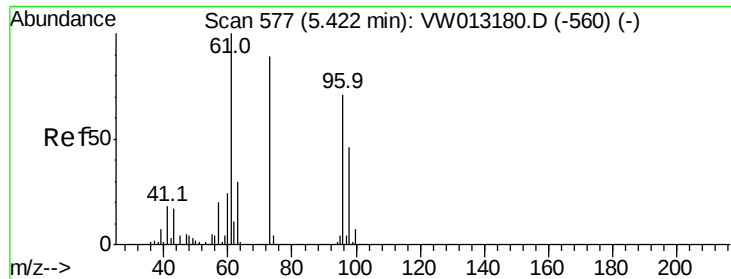
Tgt Ion: 43 Resp: 37549

Ion Ratio Lower Upper

43 100

74 24.4 19.3 28.9

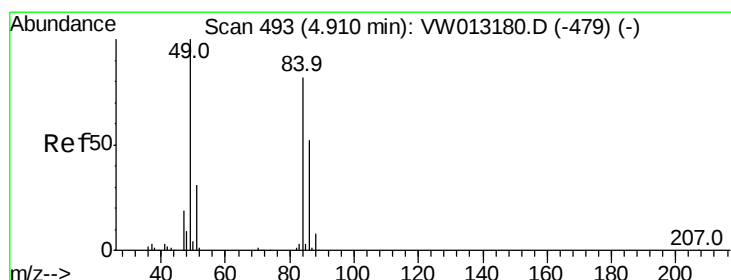
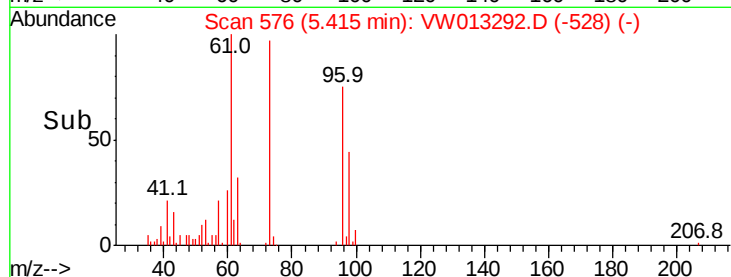
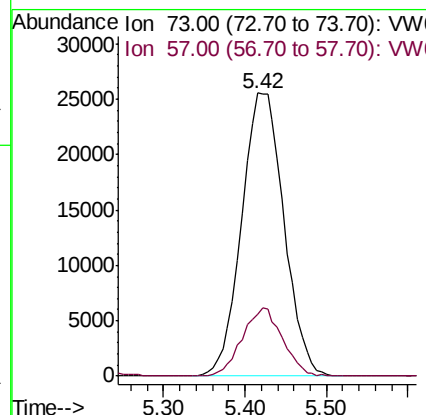
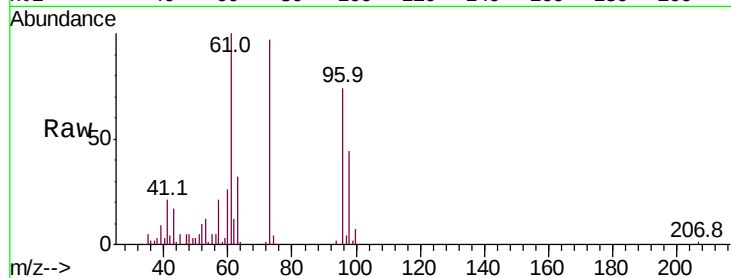




#19
Methvl tert-butvl Ether
Concen: 22.583 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW013292.D
Acq: 25 Sep 2019 11:41

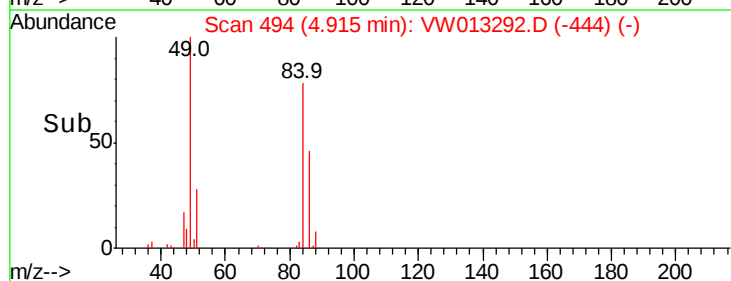
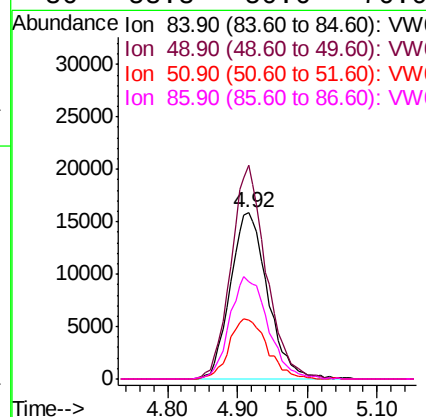
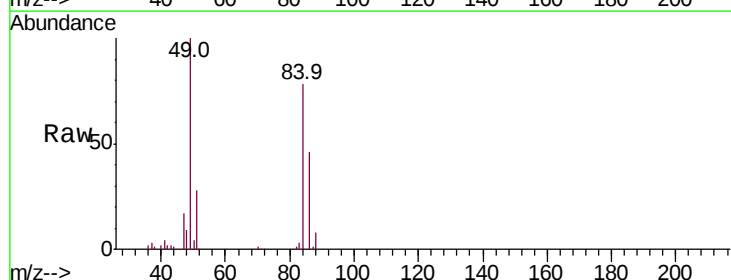
Instrument :
MSVOA_W
ClientSampleId :

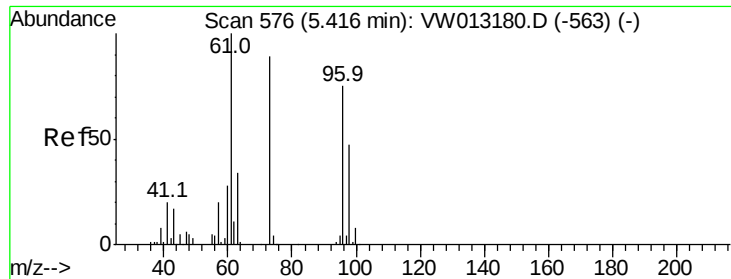
Tot Ion: 73 Resp: 92080
Ion Ratio Lower Upper
73 100
57 21.9 17.6 26.4



#20
Methylene Chloride
Concen: 20.105 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW013292.D
Acq: 25 Sep 2019 11:41

Tgt Ion: 84 Resp: 58857
Ion Ratio Lower Upper
84 100
49 128.8 97.6 146.4
51 35.7 30.2 45.2
86 58.8 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 20.285 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW013292.D

Acq: 25 Sep 2019 11:41

Instrument :

MSVOA_W

ClientSampleId :

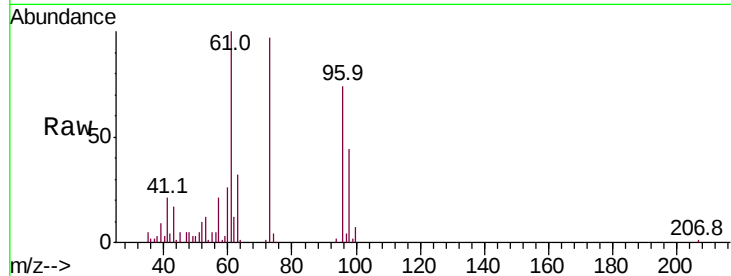
Tot Ion: 96 Resp: 58327

Ion Ratio Lower Upper

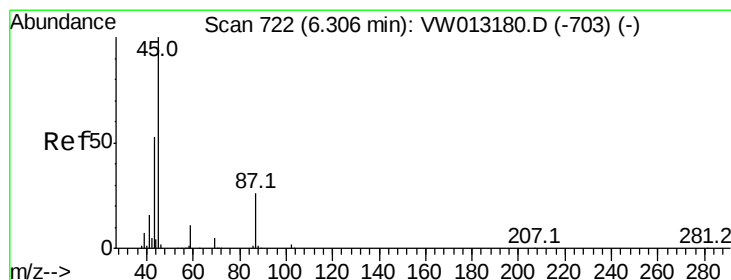
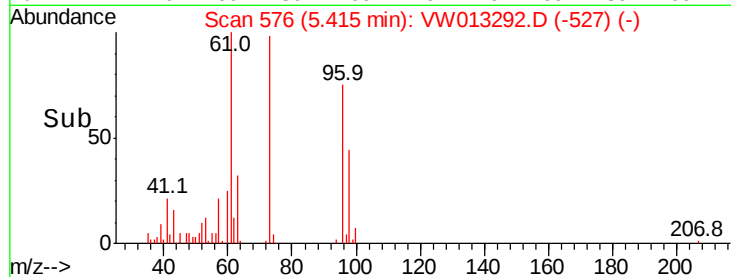
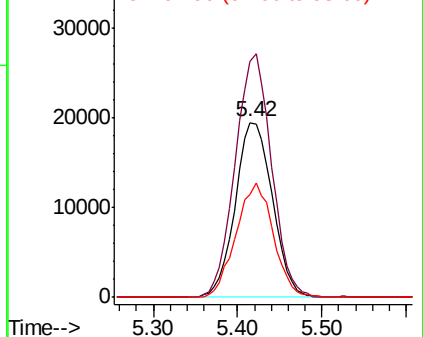
96 100

61 134.6 106.6 159.8

98 59.1 49.8 74.8



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



#22

Diisopropyl ether

Concen: 20.351 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW013292.D

Acq: 25 Sep 2019 11:41

Tgt Ion: 45 Resp: 163850

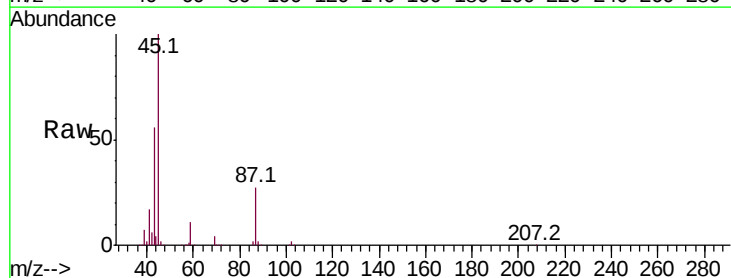
Ion Ratio Lower Upper

45 100

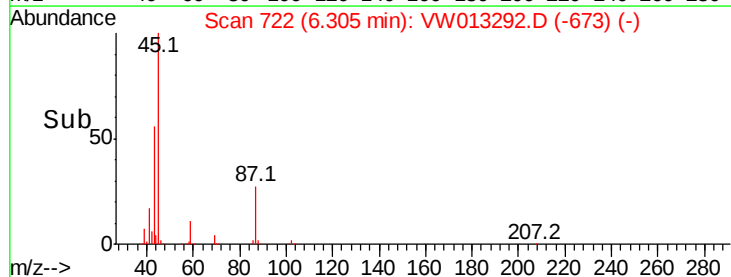
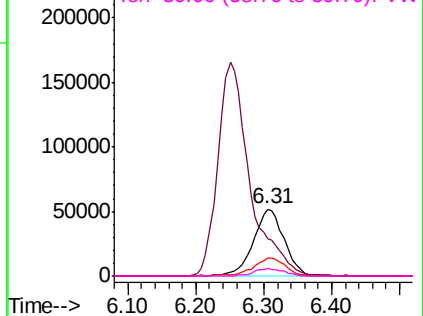
43 55.7 42.4 63.6

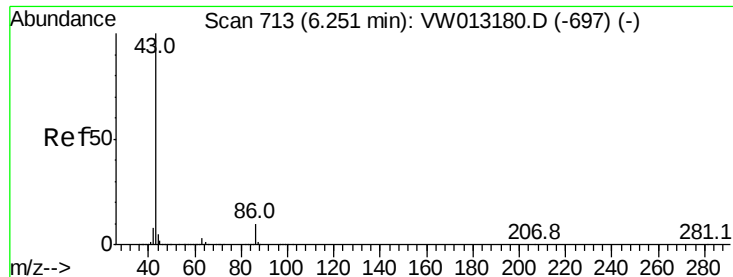
87 26.7 20.4 30.6

59 10.9 8.8 13.2



Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 113.161 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013292.D

Acq: 25 Sep 2019 11:41

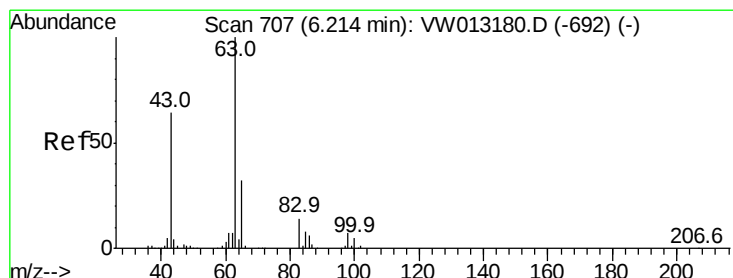
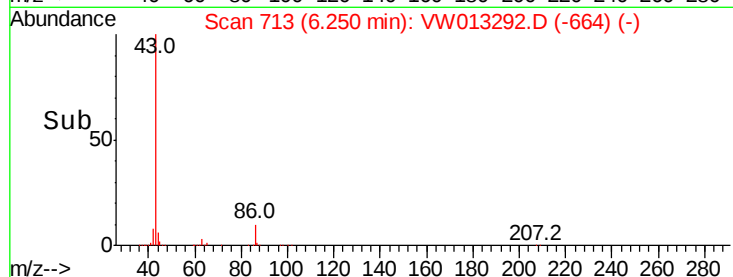
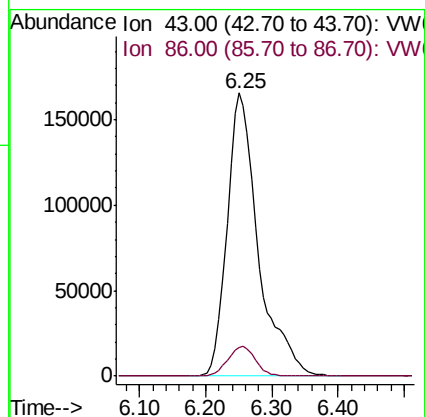
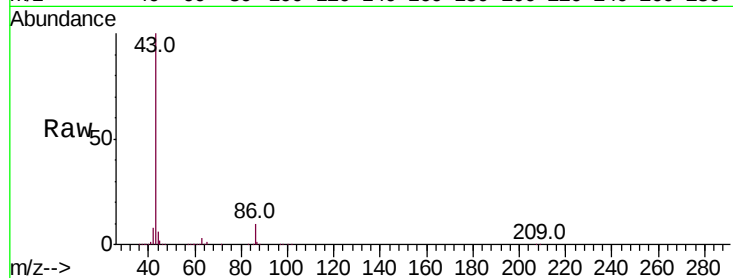
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 540508

Ion Ratio Lower Upper

43 100

86 10.3 8.3 12.5



#24

1,1-Dichloroethane

Concen: 19.794 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW013292.D

Acq: 25 Sep 2019 11:41

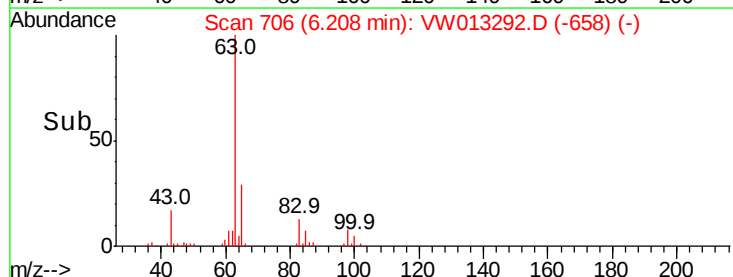
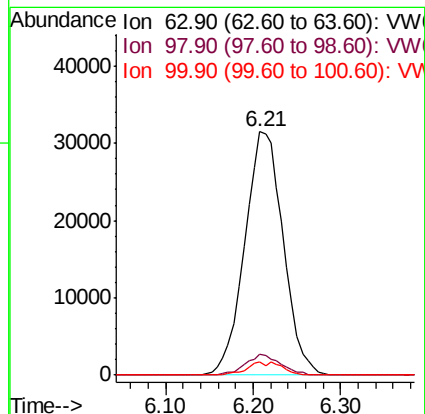
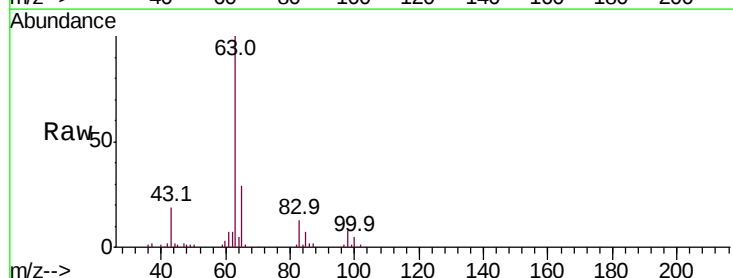
Tgt Ion: 63 Resp: 96169

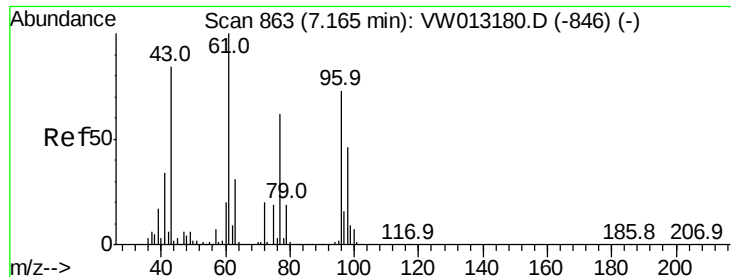
Ion Ratio Lower Upper

63 100

98 8.5 3.5 10.5

100 5.3 2.4 7.1

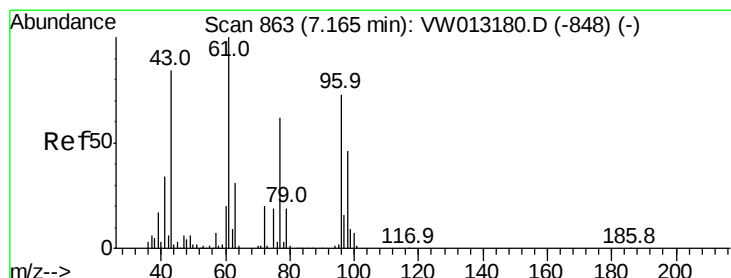
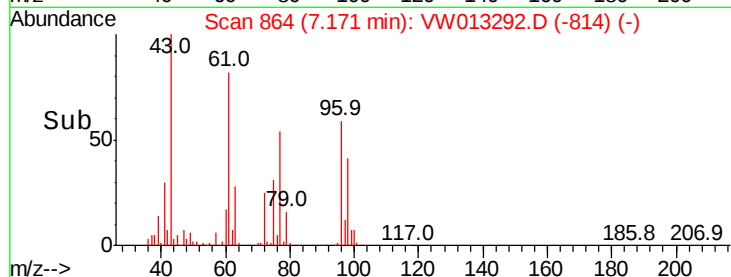
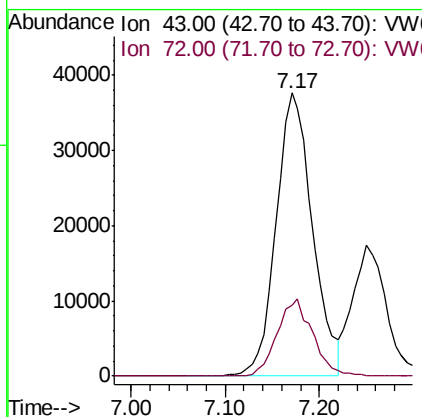
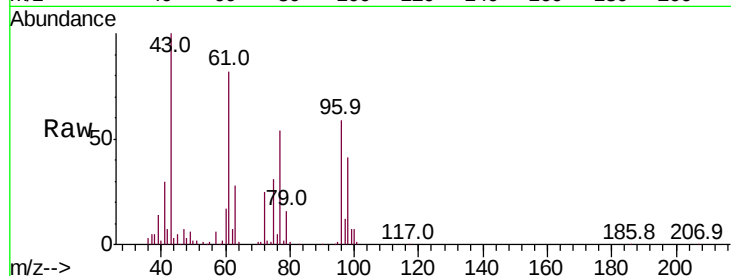




#25
2-Butanone
Concen: 127.902 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW013292.D
Acq: 25 Sep 2019 11:41

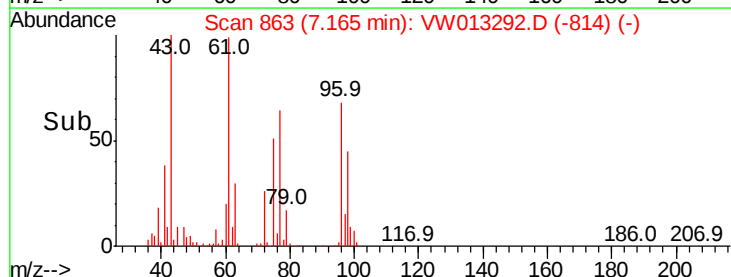
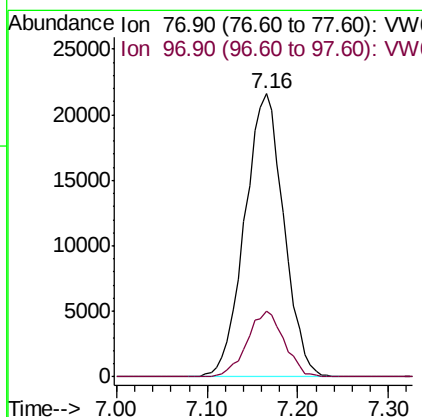
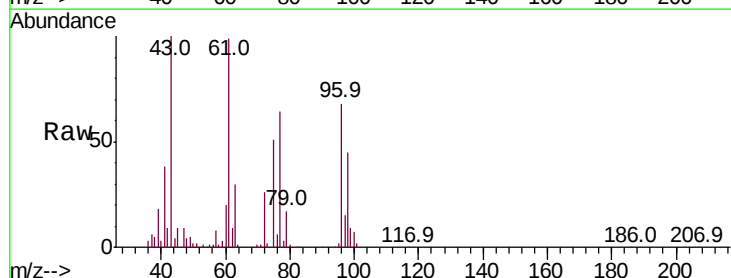
Instrument :
MSVOA_W
ClientSampled :

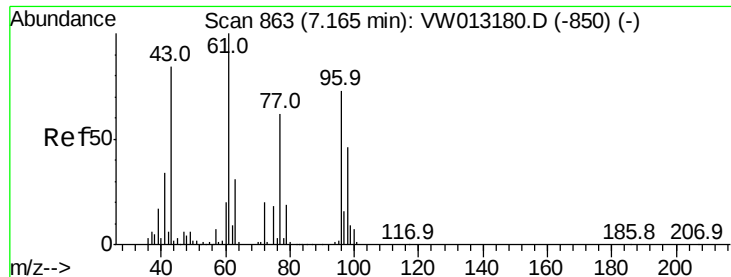
Tot Ion: 43 Resp: 101163
Ion Ratio Lower Upper
43 100
72 24.9 19.4 29.0



#26
2,2-Dichloropropane
Concen: 20.127 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW013292.D
Acq: 25 Sep 2019 11:41

Tgt Ion: 77 Resp: 64295
Ion Ratio Lower Upper
77 100
97 21.9 11.8 35.4



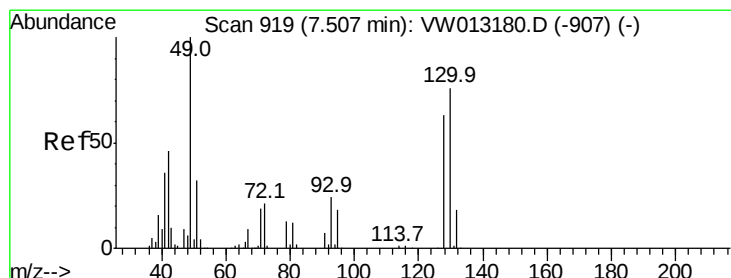
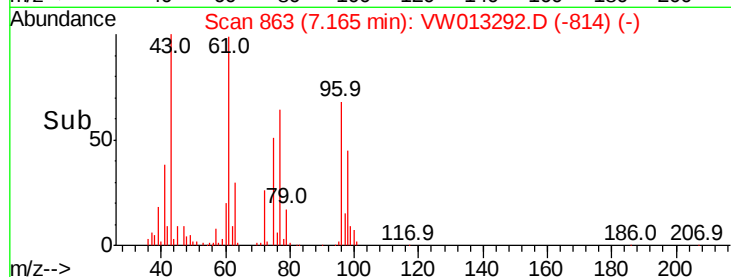
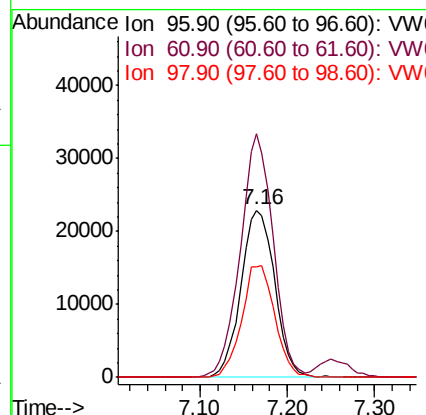
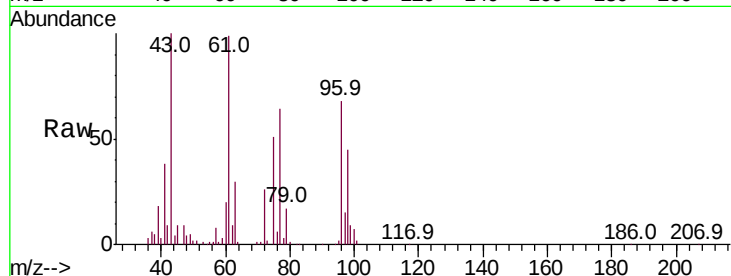


#27

cis-1,2-Dichloroethene
Concen: 20.247 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW013292.D
Acq: 25 Sep 2019 11:41

Instrument :
MSVOA_W
ClientSampled :

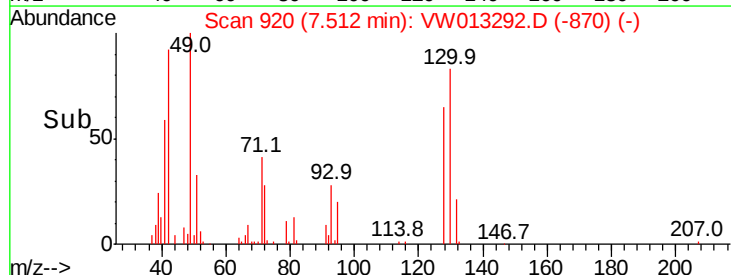
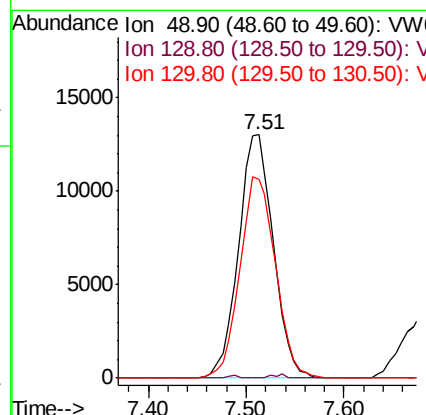
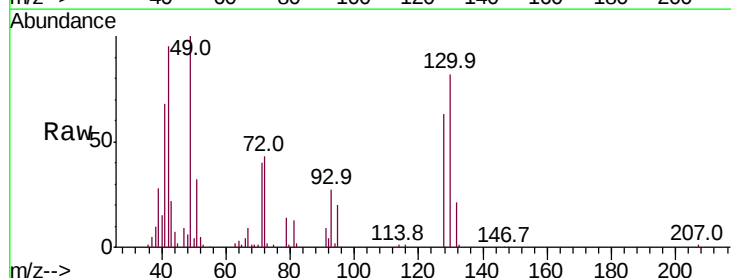
Tot Ion	96	Resp	61438
Ion	Ratio	Lower	Upper
96	100		
61	141.8	0.0	282.4
98	65.7	0.0	128.2

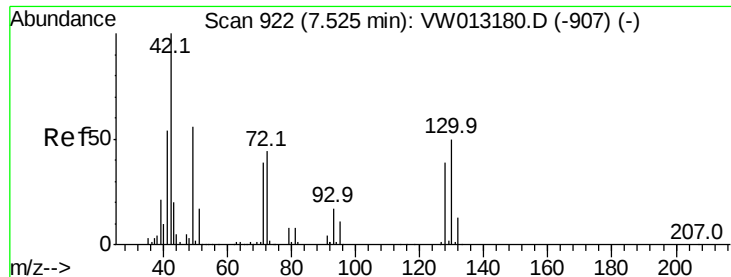


#28

Bromochloromethane
Concen: 17.272 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW013292.D
Acq: 25 Sep 2019 11:41

Tgt Ion	49	Resp	32207
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	1.0
130	84.4	63.4	95.2

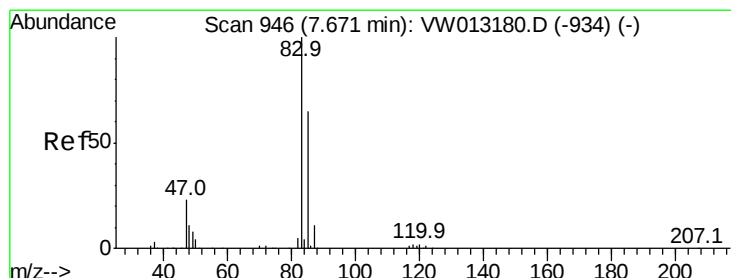
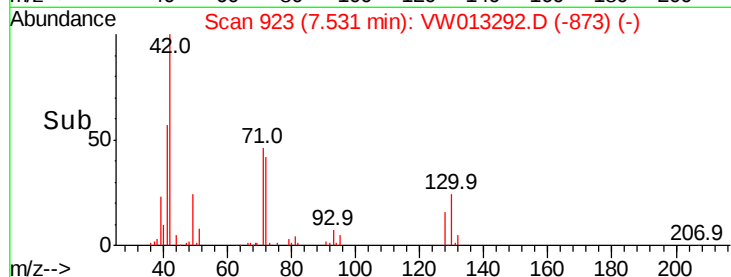
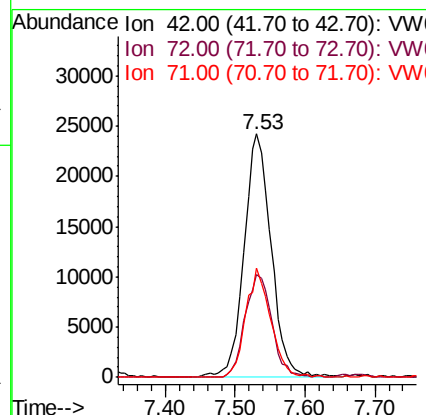
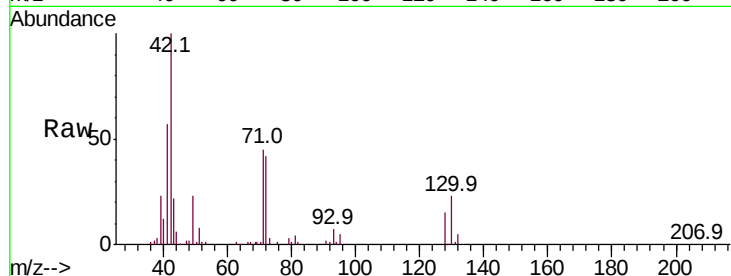




#29
Tetrahydrofuran
Concen: 134.366 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW013292.D
Acq: 25 Sep 2019 11:41

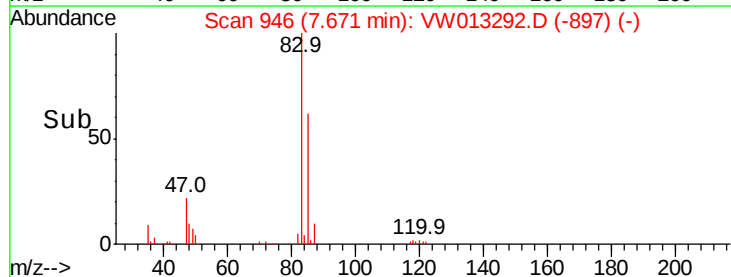
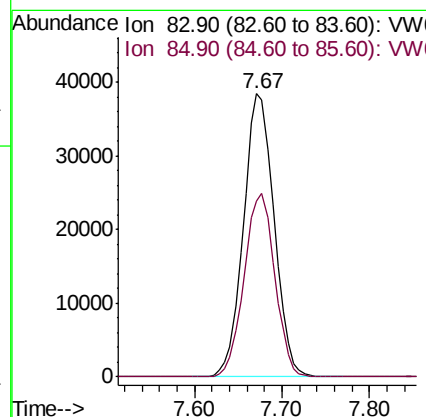
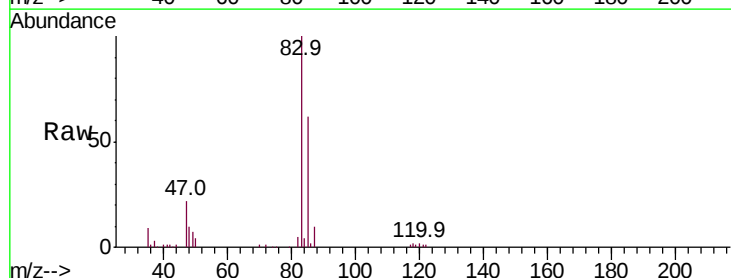
Instrument :
MSVOA_W
ClientSampleId :

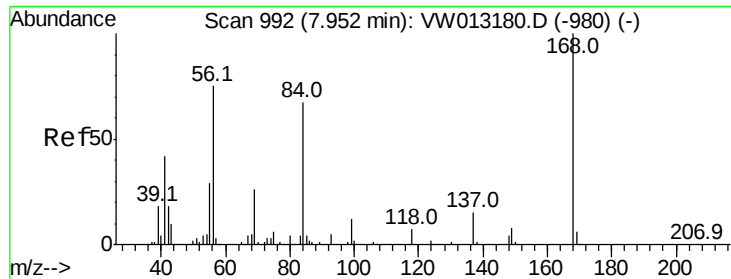
Tot Ion: 42 Resp: 65175
Ion Ratio Lower Upper
42 100
72 41.7 33.9 50.9
71 41.3 31.9 47.9



#30
Chloroform
Concen: 19.653 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW013292.D
Acq: 25 Sep 2019 11:41

Tgt Ion: 83 Resp: 93482
Ion Ratio Lower Upper
83 100
85 62.1 52.3 78.5

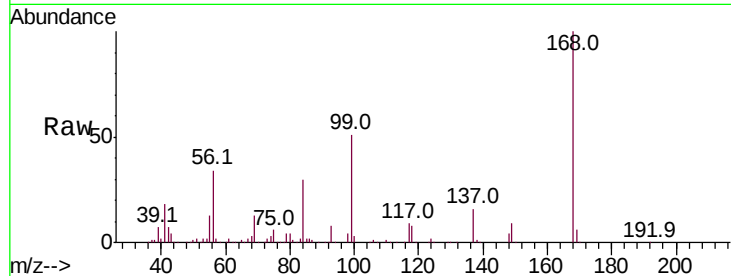




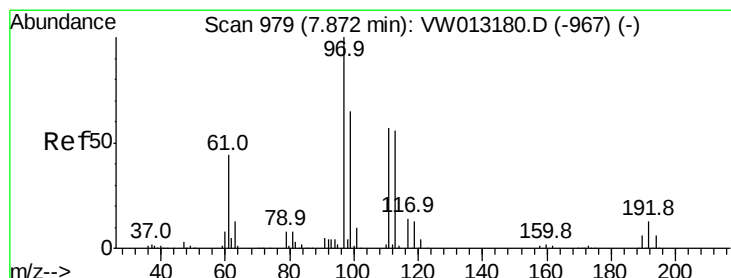
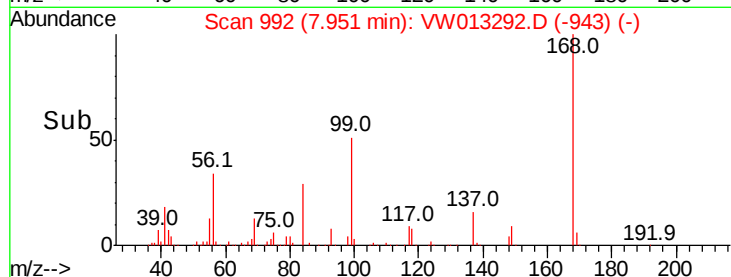
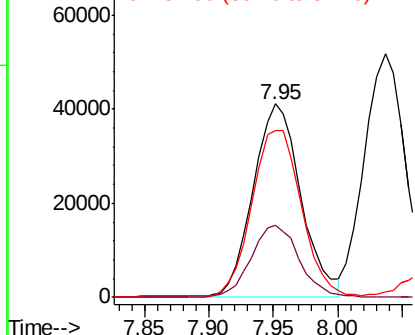
#31
Cyclohexane
Concen: 20.930 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW013292.D
Acq: 25 Sep 2019 11:41

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 105996
Ion Ratio Lower Upper
56 100
69 36.9 27.2 40.8
84 85.5 70.8 106.2

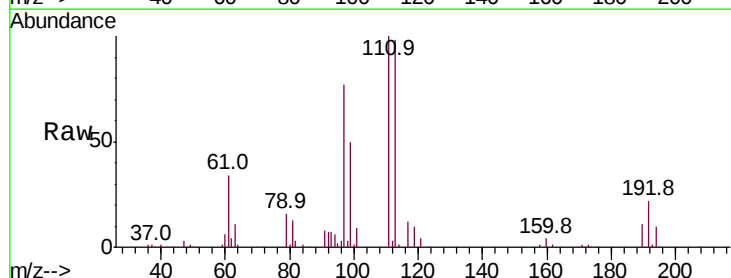


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

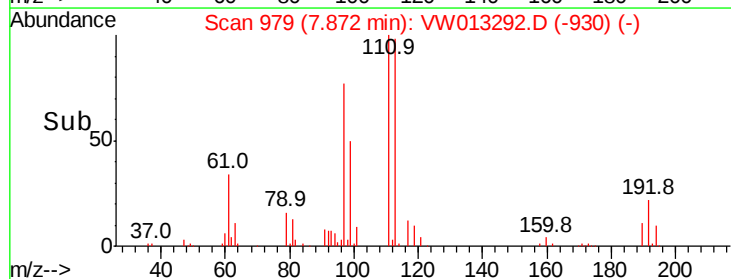
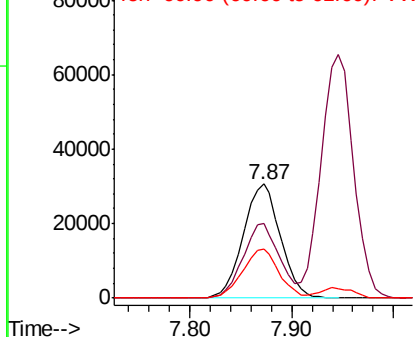


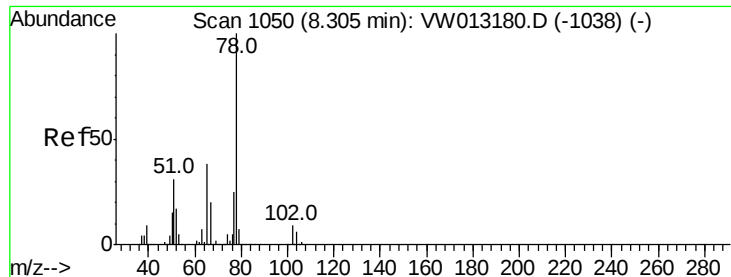
#32
1,1,1-Trichloroethane
Concen: 20.053 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW013292.D
Acq: 25 Sep 2019 11:41

Tgt Ion: 97 Resp: 77251
Ion Ratio Lower Upper
97 100
99 64.0 51.7 77.5
61 42.9 34.6 51.8



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: 50.183 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW013292.D

Acq: 25 Sep 2019 11:41

Instrument :

MSVOA_W

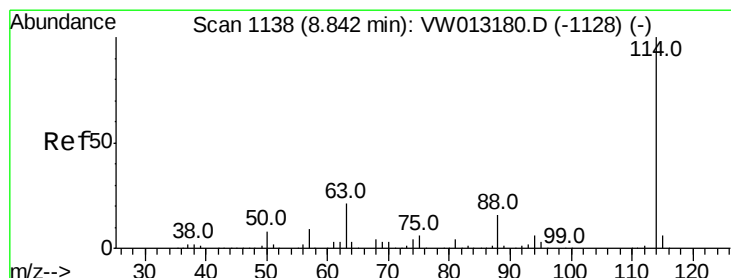
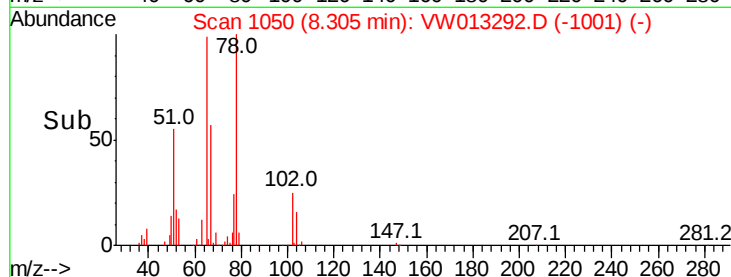
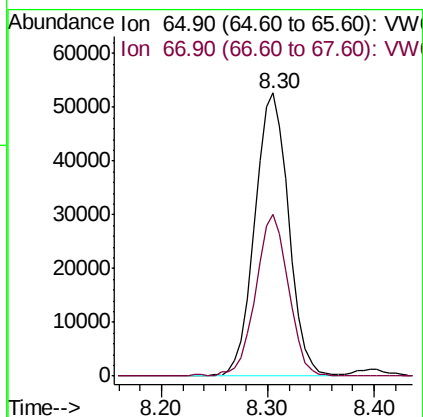
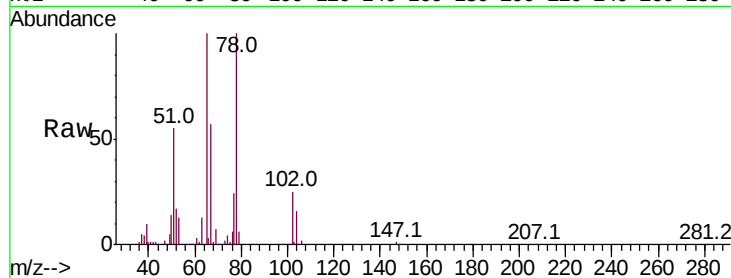
ClientSampleId :

Tot Ion: 65 Resp: 117248

Ion Ratio Lower Upper

65 100

67 55.4 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW013292.D

Acq: 25 Sep 2019 11:41

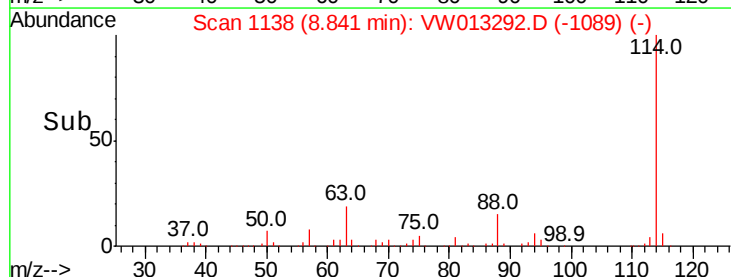
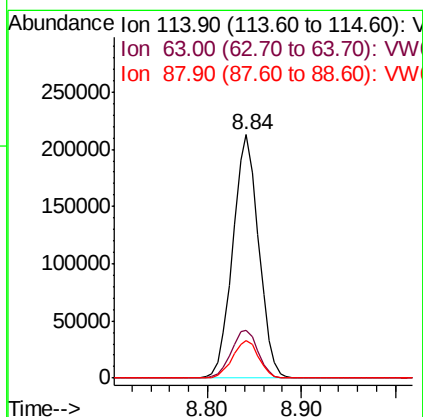
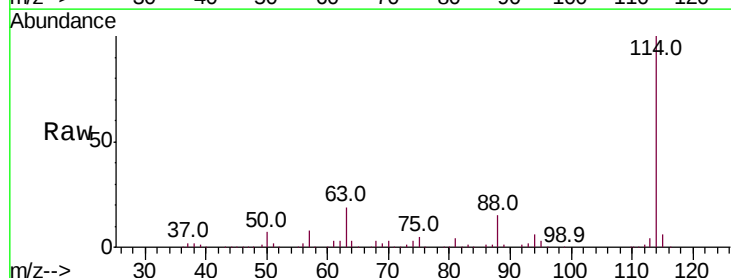
Tgt Ion: 114 Resp: 406187

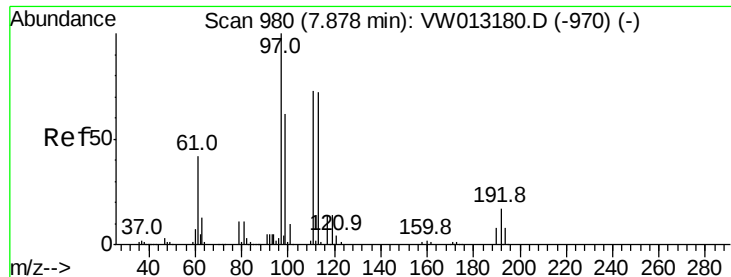
Ion Ratio Lower Upper

114 100

63 19.4 0.0 41.4

88 15.5 0.0 32.0





#35

Dibromofluoromethane

Concen: 50.810 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW013292.D

Acq: 25 Sep 2019 11:41

Instrument :

MSVOA_W

ClientSampleId :

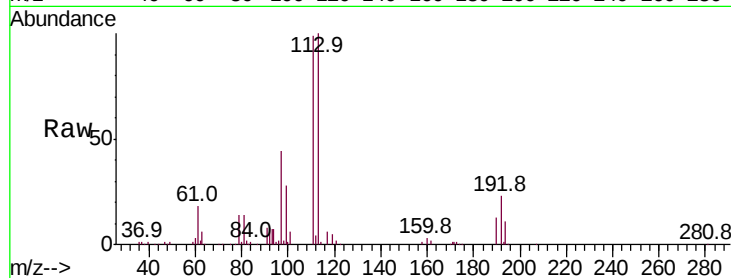
Tot Ion:113 Resp: 113511

Ion Ratio Lower Upper

113 100

111 102.4 81.9 122.9

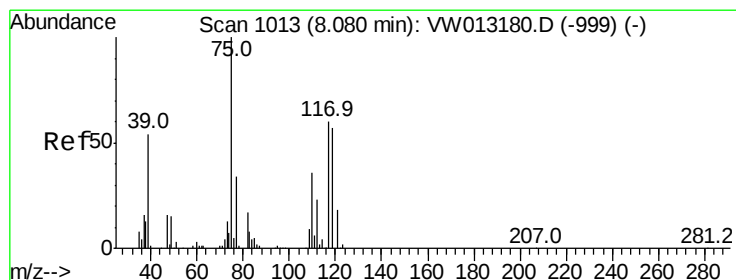
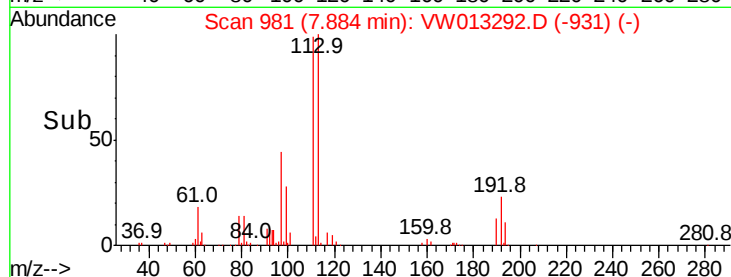
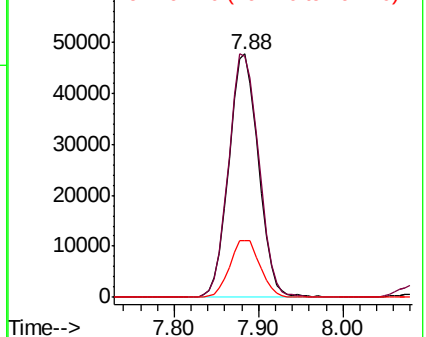
192 24.0 19.1 28.7



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: 21.069 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW013292.D

Acq: 25 Sep 2019 11:41

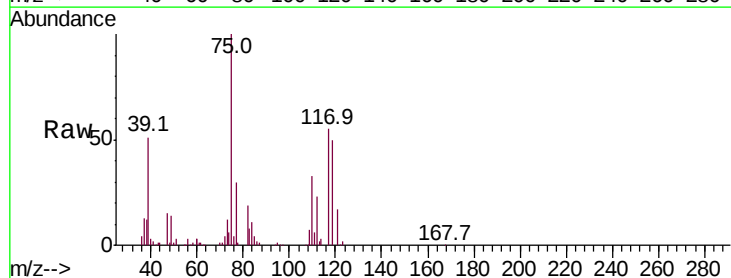
Tgt Ion: 75 Resp: 82891

Ion Ratio Lower Upper

75 100

110 35.3 18.1 54.3

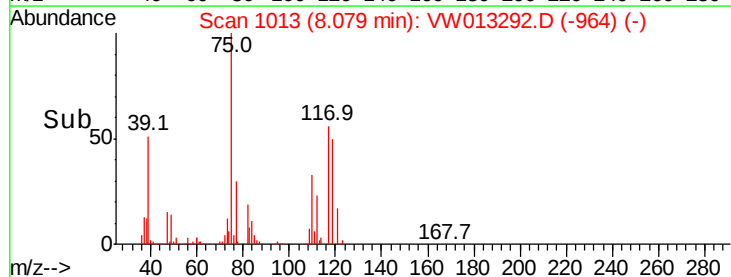
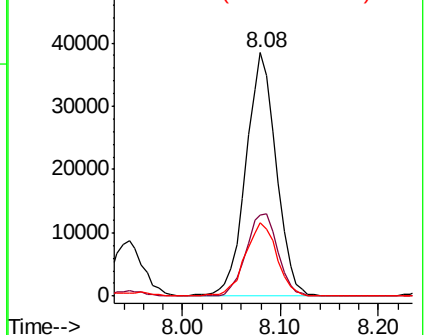
77 31.4 25.8 38.6

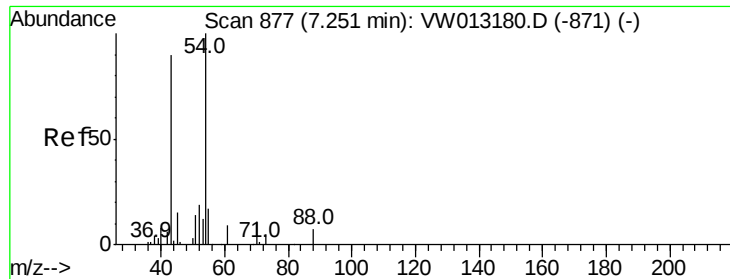


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

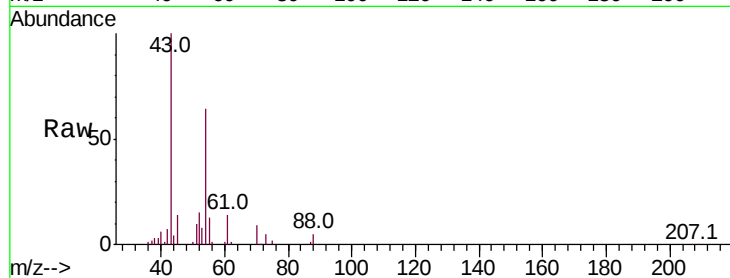




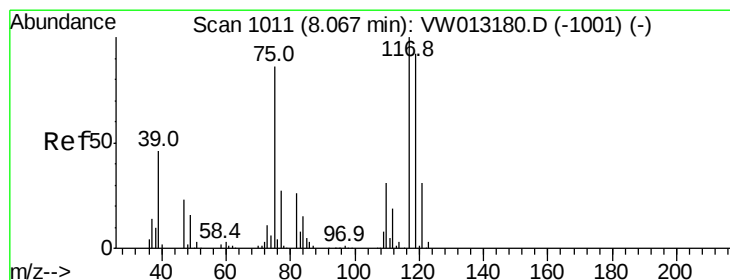
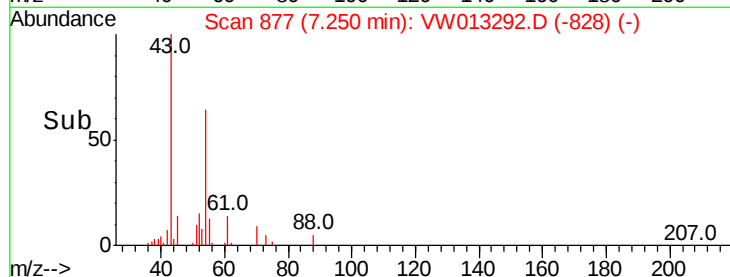
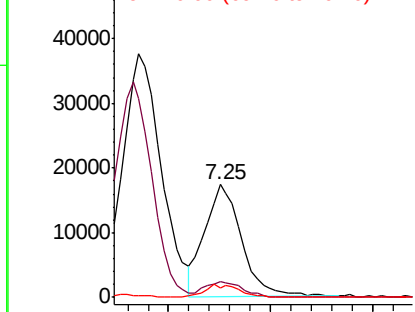
#37
Ethyl Acetate
Concen: 25.956 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW013292.D
Acq: 25 Sep 2019 11:41

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 43399
Ion Ratio Lower Upper
43 100
61 14.7 10.9 16.3
70 10.4 8.2 12.2

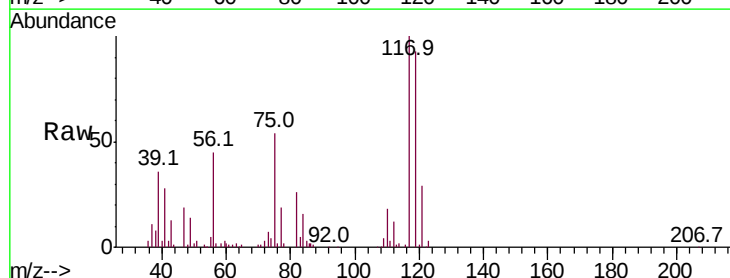


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

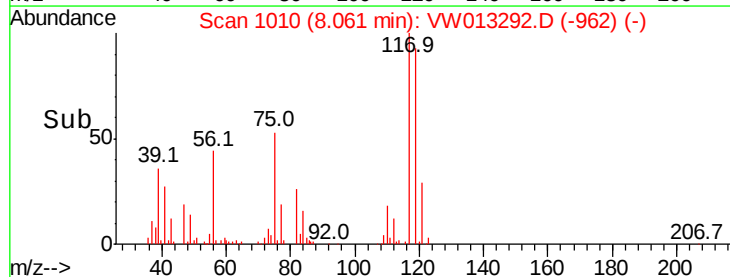
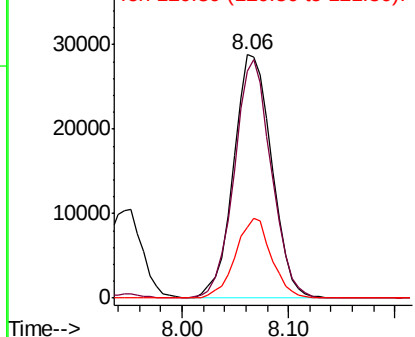


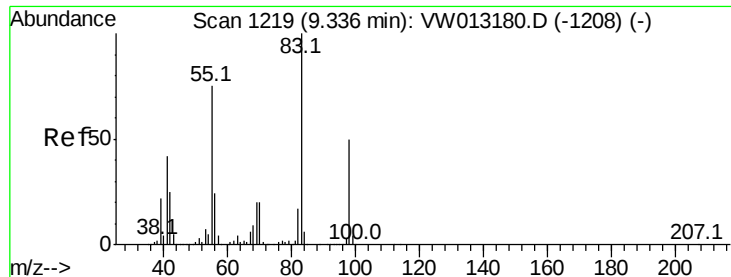
#38
Carbon Tetrachloride
Concen: 20.585 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW013292.D
Acq: 25 Sep 2019 11:41

Tgt Ion: 117 Resp: 72598
Ion Ratio Lower Upper
117 100
119 93.1 73.5 110.3
121 29.2 25.0 37.6



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

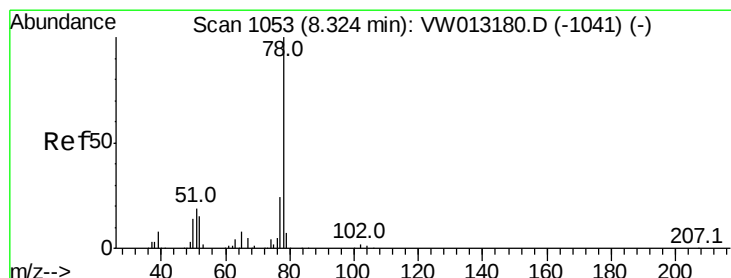
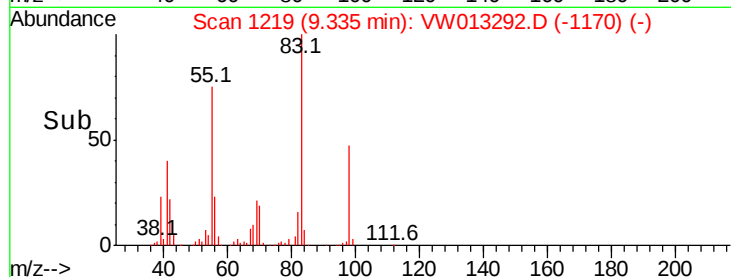
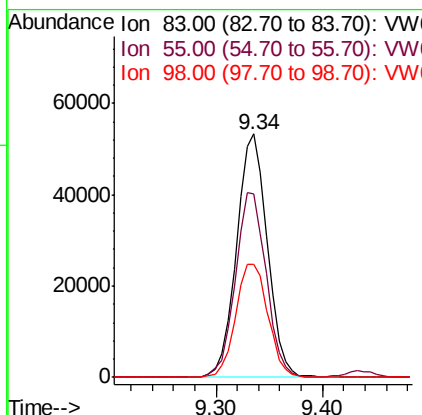
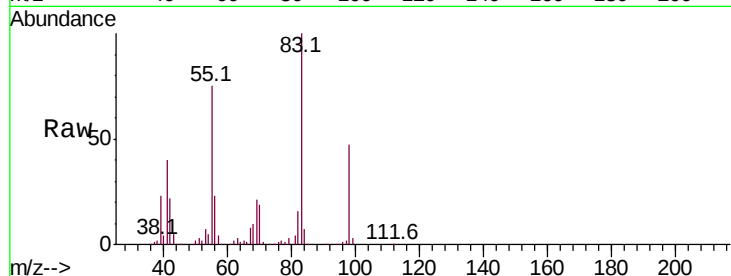




#39
Methylvlcyclohexane
Concen: 21.384 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013292.D
Acq: 25 Sep 2019 11:41

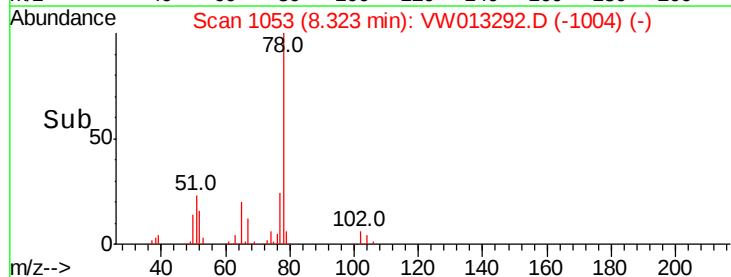
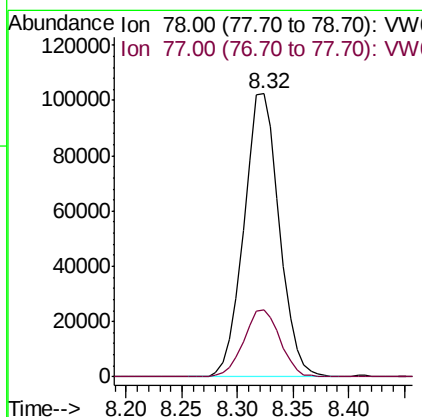
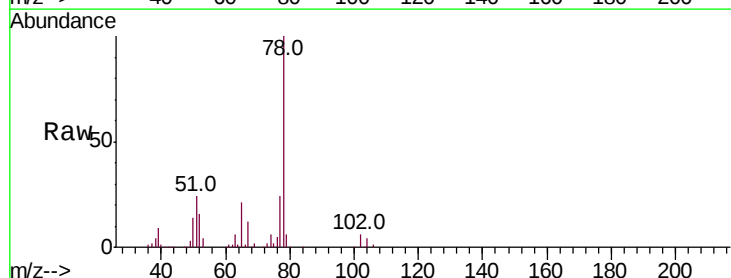
Instrument :
MSVOA_W
ClientSampleId :

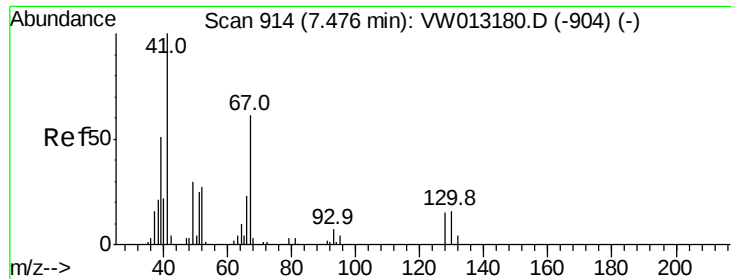
Tot Ion	83	Resp	108113
Ion Ratio	Lower	Upper	
83	100		
55	75.2	60.4	90.6
98	46.6	40.0	60.0



#40
Benzene
Concen: 20.652 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013292.D
Acq: 25 Sep 2019 11:41

Tgt Ion	78	Resp	226628
Ion Ratio	Lower	Upper	
78	100		
77	23.8	19.1	28.7

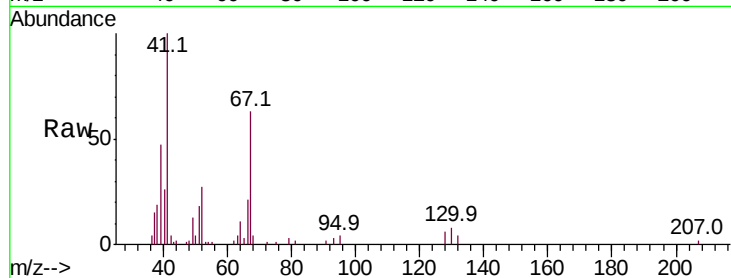




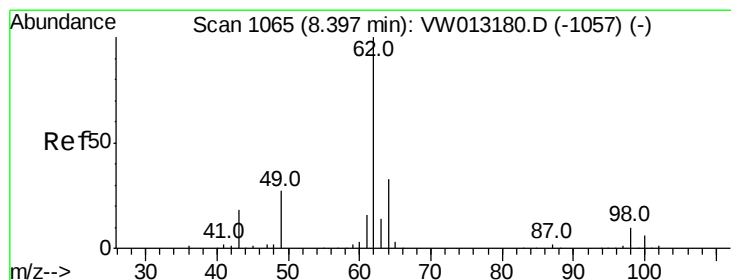
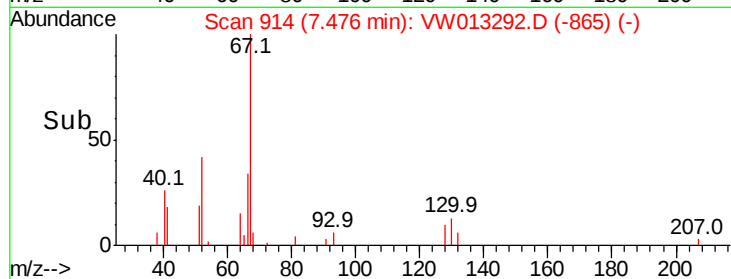
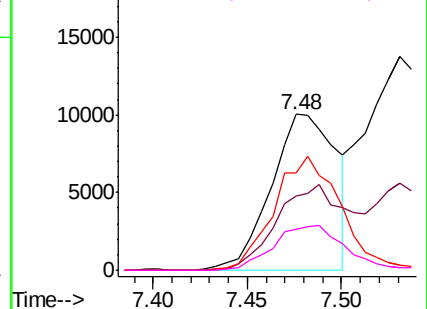
#41
Methacrylonitrile
Concen: 24.029 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.00 min
Lab File: VW013292.D
Acq: 25 Sep 2019 11:41

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:	41	Resp:	23979
Ion	Ratio	Lower	Upper
41	100		
39	62.8	45.9	68.9
67	75.1	54.5	81.7
52	31.8	22.5	33.7

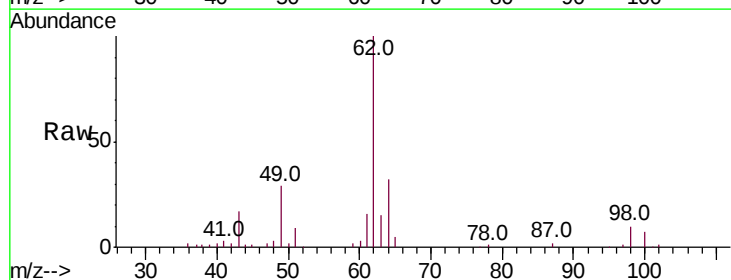


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

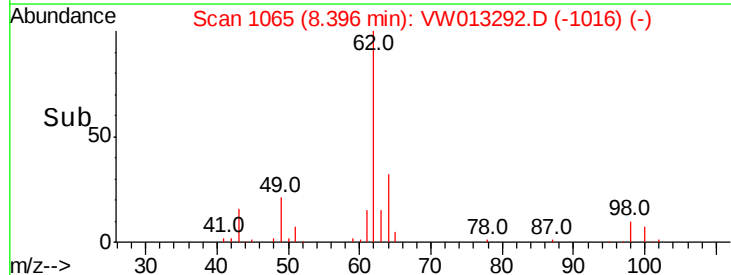
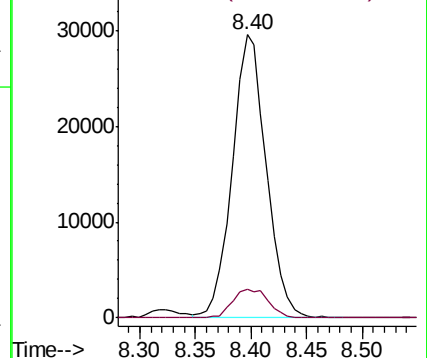


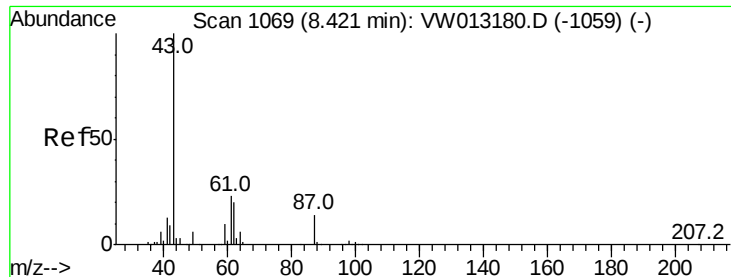
#42
1,2-Dichloroethane
Concen: 21.146 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013292.D
Acq: 25 Sep 2019 11:41

Tgt Ion:	62	Resp:	62379
Ion	Ratio	Lower	Upper
62	100		
98	10.9	0.0	20.6



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





#43

Isopropyl Acetate

Concen: 24.428 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013292.D

Acq: 25 Sep 2019 11:41

Instrument :

MSVOA_W

ClientSampleId :

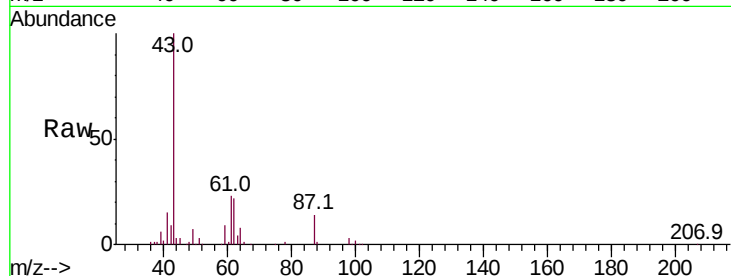
Tot Ion: 43 Resp: 78281

Ion Ratio Lower Upper

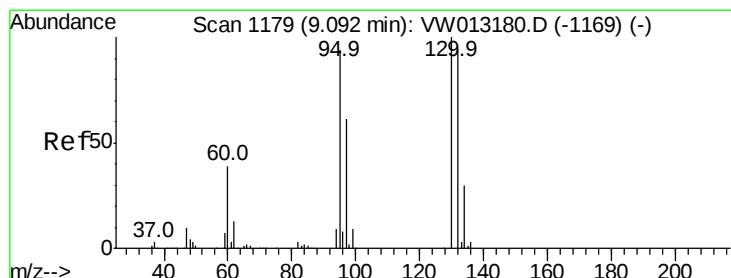
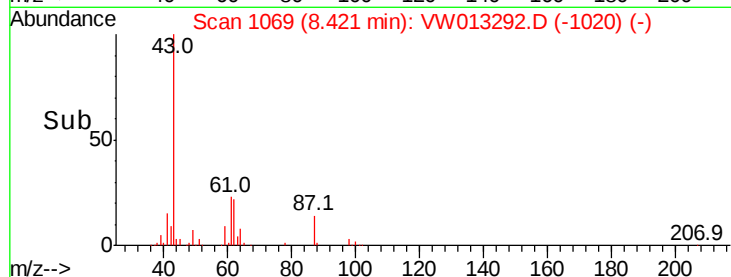
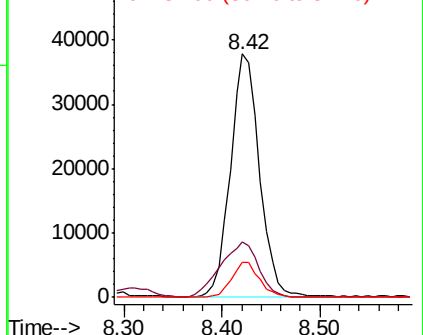
43 100

61 29.6 25.5 38.3

87 13.8 11.0 16.4



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: 20.629 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW013292.D

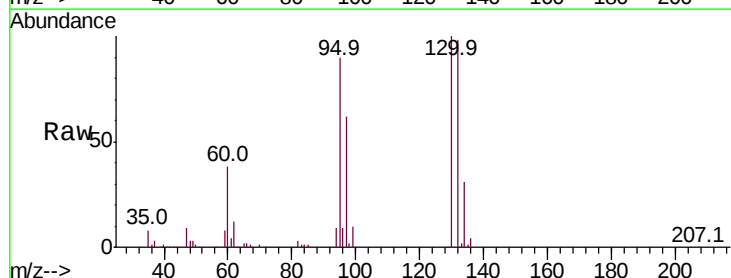
Acq: 25 Sep 2019 11:41

Tgt Ion: 130 Resp: 63513

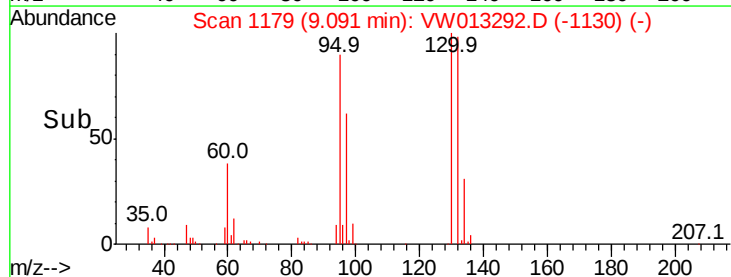
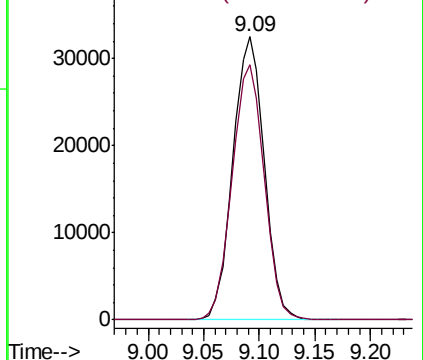
Ion Ratio Lower Upper

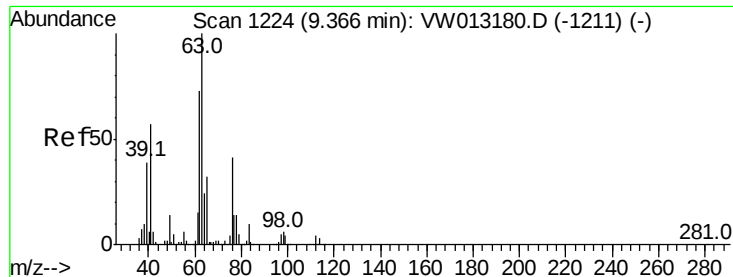
130 100

95 90.1 0.0 188.0



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





#45

1,2-Dichloropropane

Concen: 20.966 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW013292.D

Acq: 25 Sep 2019 11:41

Instrument :

MSVOA_W

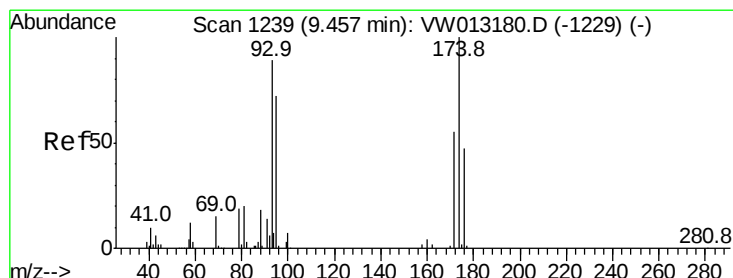
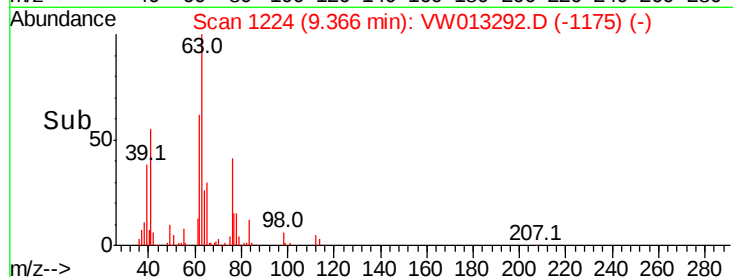
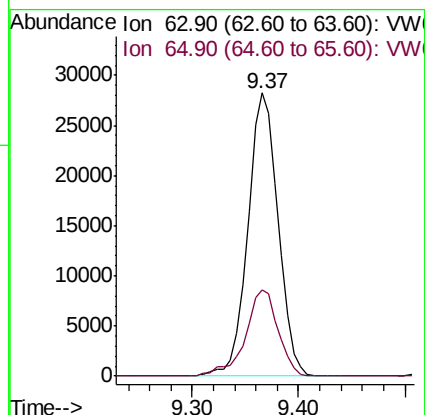
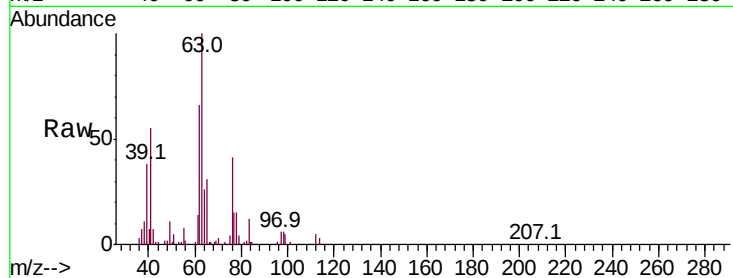
ClientSampleId :

Tot Ion: 63 Resp: 56171

Ion Ratio Lower Upper

63 100

65 30.7 25.3 37.9



#46

Dibromomethane

Concen: 21.798 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW013292.D

Acq: 25 Sep 2019 11:41

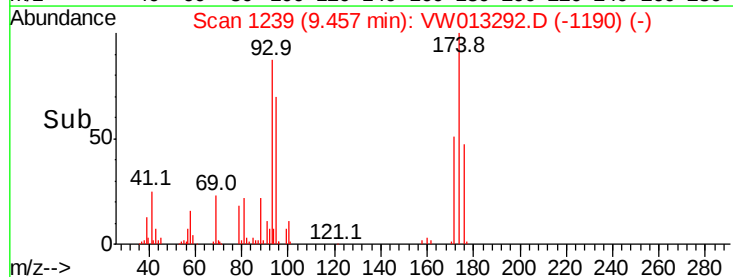
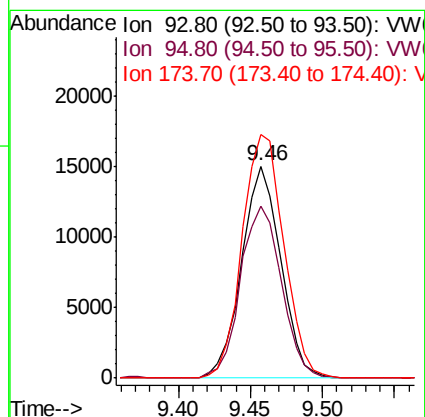
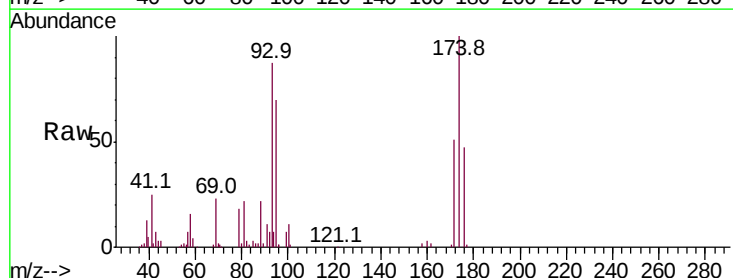
Tgt Ion: 93 Resp: 28353

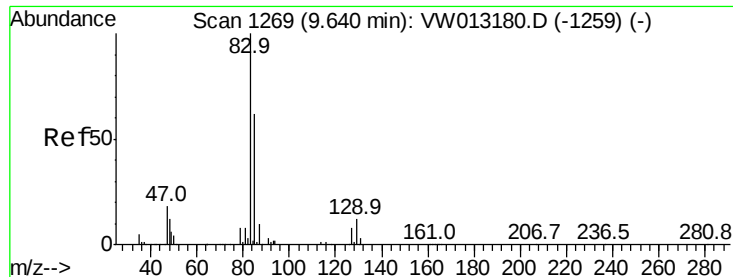
Ion Ratio Lower Upper

93 100

95 85.0 66.4 99.6

174 122.3 93.0 139.6





#47

Bromodichloromethane

Concen: 20.137 ug/l

RT: 9.65 min Scan# 1270

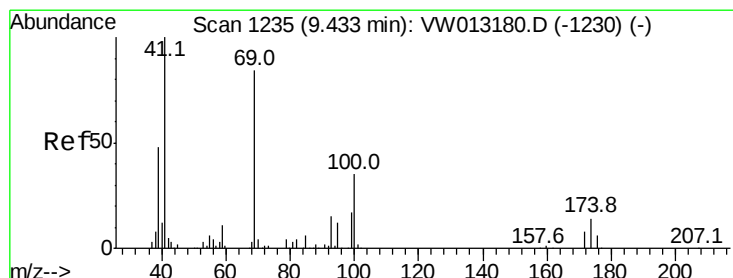
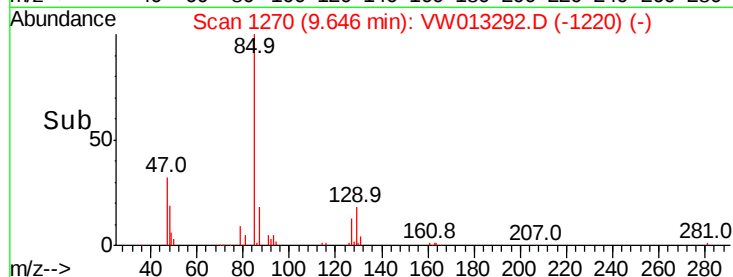
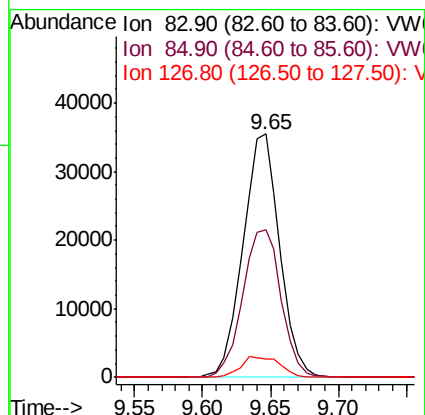
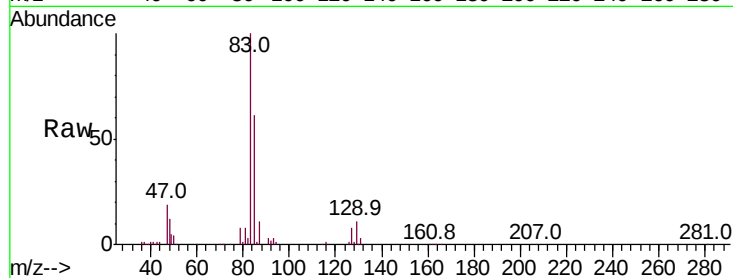
Delta R.T. 0.01 min

Lab File: VW013292.D

Acq: 25 Sep 2019 11:41

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:	83	Resp:	66647
Ion	Ratio	Lower	Upper
83	100		
85	60.8	49.4	74.2
127	7.7	6.5	9.7



#48

Methyl methacrylate

Concen: 24.297 ug/l

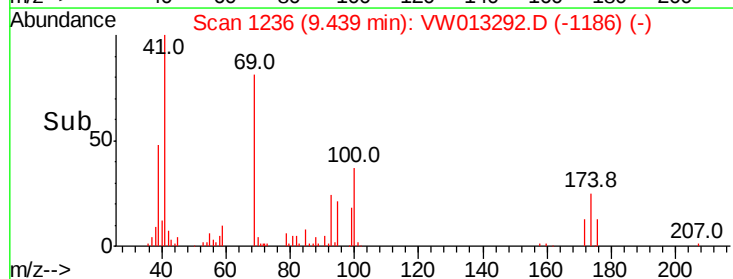
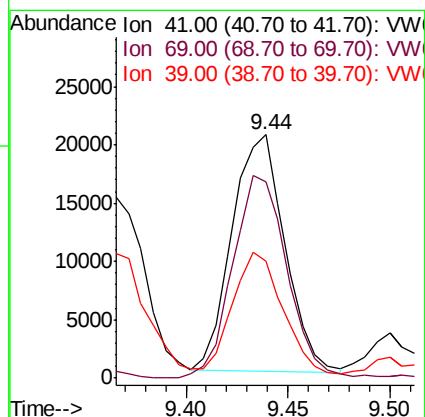
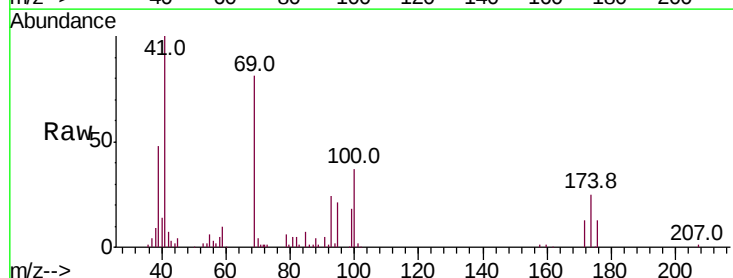
RT: 9.44 min Scan# 1236

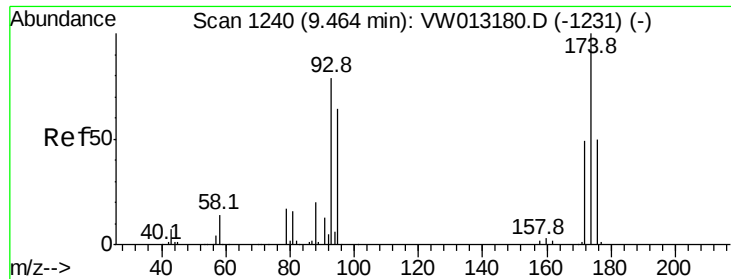
Delta R.T. 0.01 min

Lab File: VW013292.D

Acq: 25 Sep 2019 11:41

Tgt Ion:	41	Resp:	36613
Ion	Ratio	Lower	Upper
41	100		
69	88.0	69.7	104.5
39	47.8	41.1	61.7

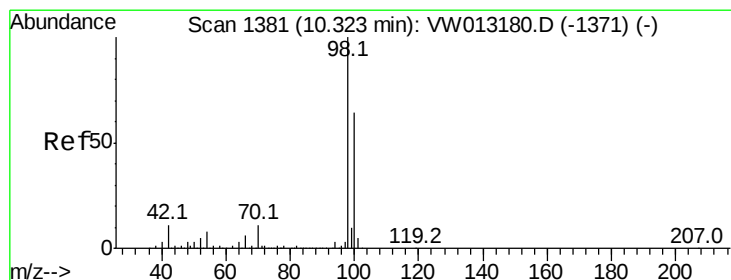
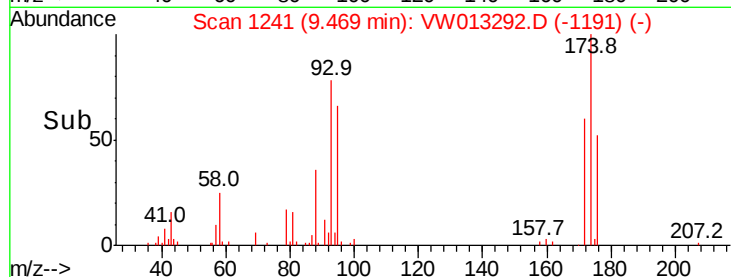
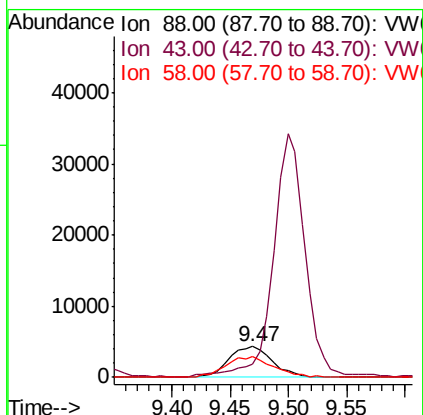
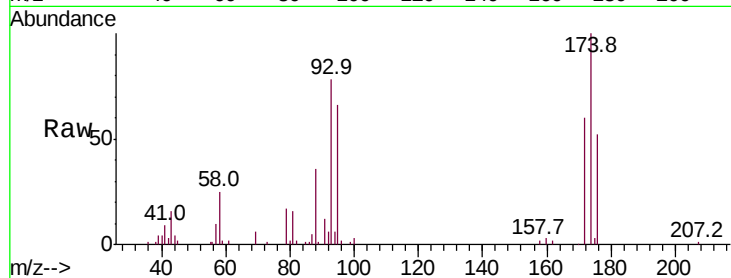




#49
1,4-Dioxane
Concen: 574.865 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VW013292.D
Acq: 25 Sep 2019 11:41

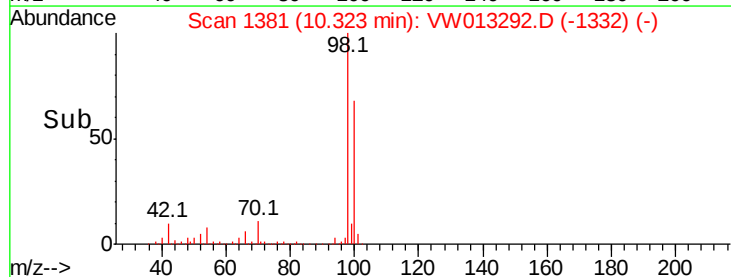
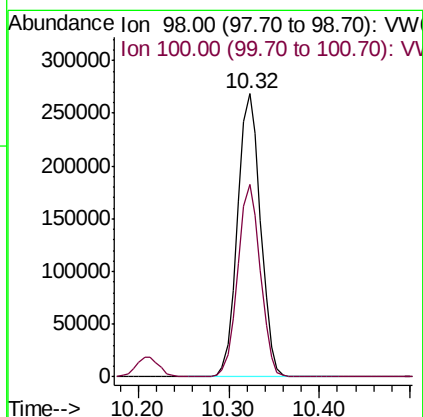
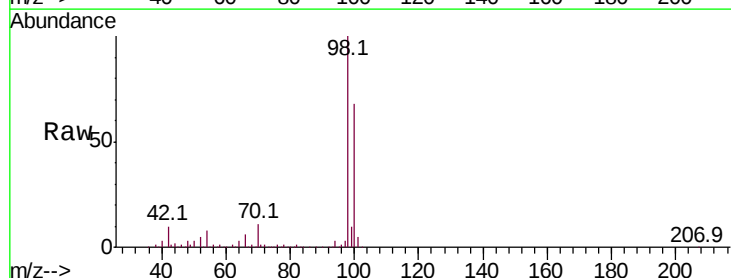
Instrument :
MSVOA_W
ClientSampleId :

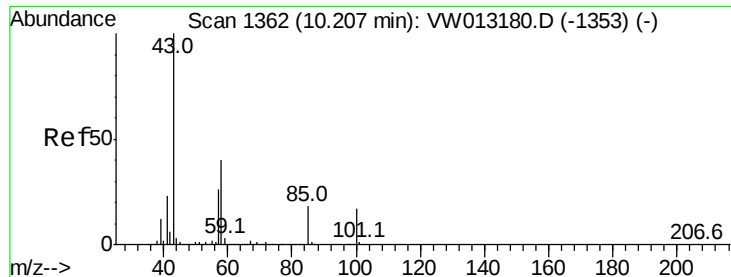
Tot Ion: 88 Resp: 11224
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 75.5 65.4 98.0



#50
Toluene-d8
Concen: 50.833 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013292.D
Acq: 25 Sep 2019 11:41

Tgt Ion: 98 Resp: 475272
Ion Ratio Lower Upper
98 100
100 66.5 52.9 79.3





#51

4-Methyl-2-Pentanone

Concen: 130.404 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013292.D

Acq: 25 Sep 2019 11:41

Instrument :

MSVOA_W

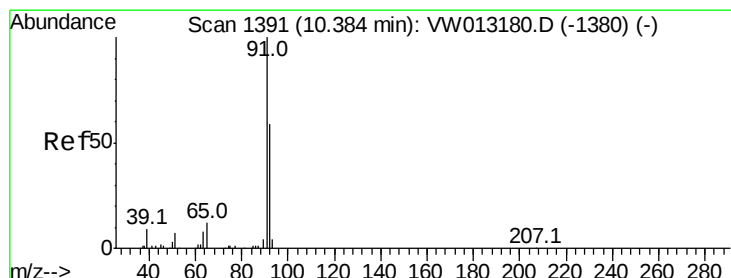
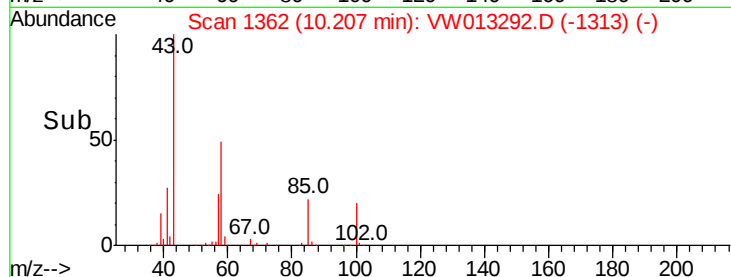
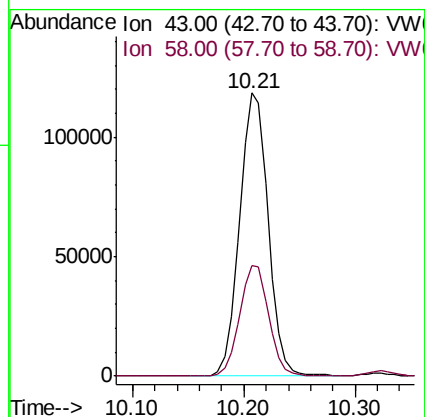
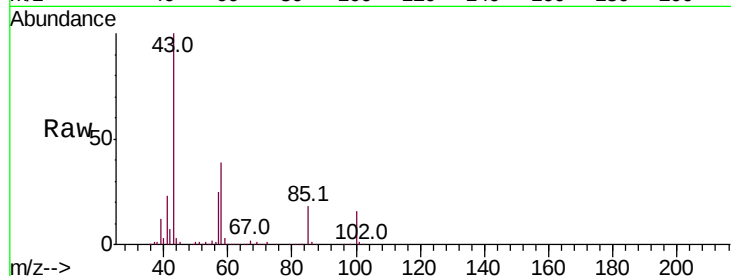
ClientSampleId :

Tot Ion: 43 Resp: 209500

Ion Ratio Lower Upper

43 100

58 39.9 31.7 47.5



#52

Toluene

Concen: 21.186 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013292.D

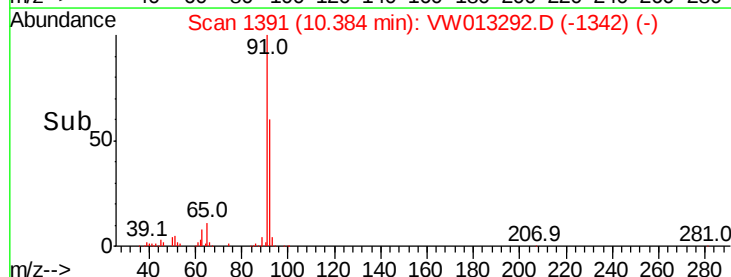
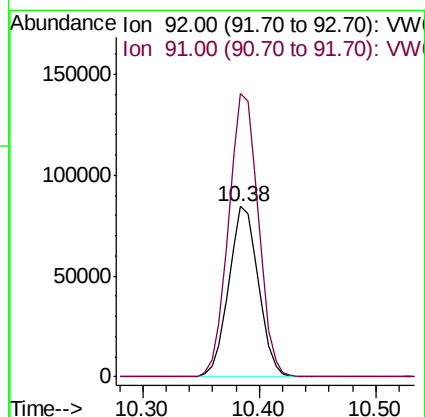
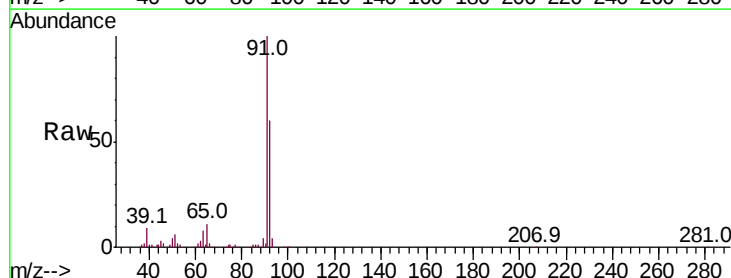
Acq: 25 Sep 2019 11:41

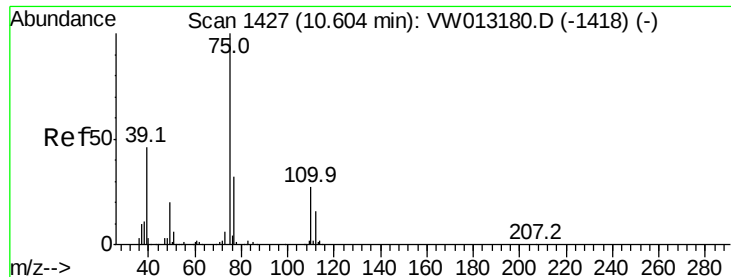
Tgt Ion: 92 Resp: 149002

Ion Ratio Lower Upper

92 100

91 168.1 135.7 203.5





#53

t-1,3-Dichloropropene

Concen: 20.994 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013292.D

Acq: 25 Sep 2019 11:41

Instrument :

MSVOA_W

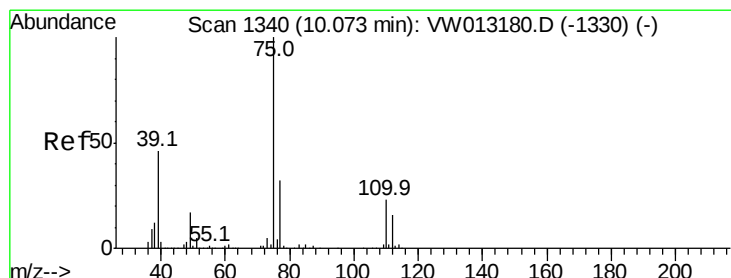
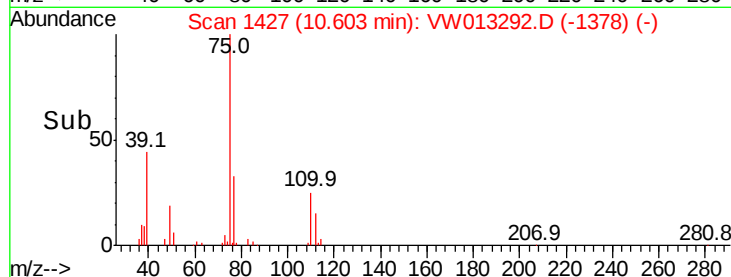
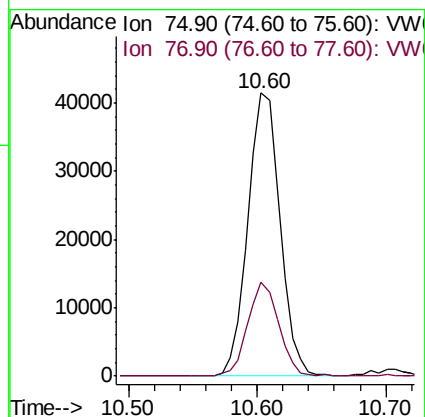
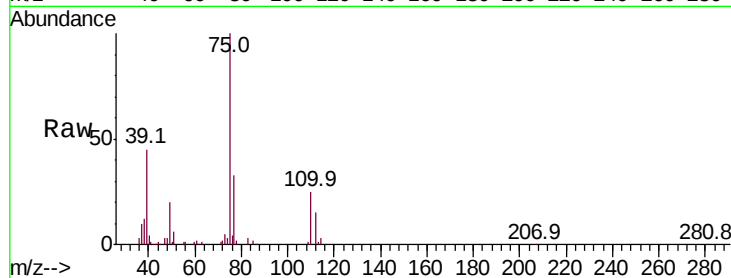
ClientSampleId :

Tot Ion: 75 Resp: 71387

Ion Ratio Lower Upper

75 100

77 33.1 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 20.785 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW013292.D

Acq: 25 Sep 2019 11:41

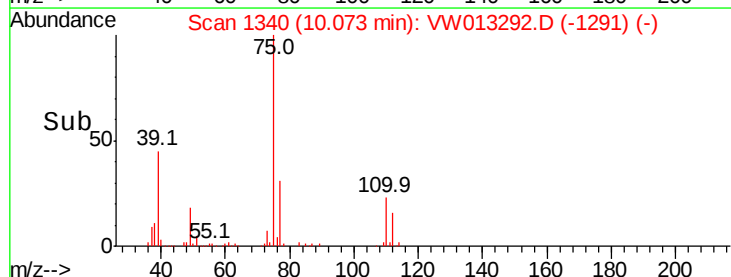
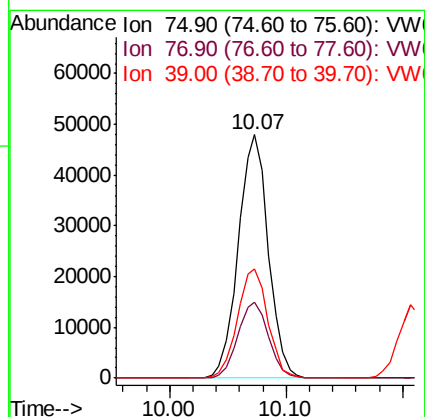
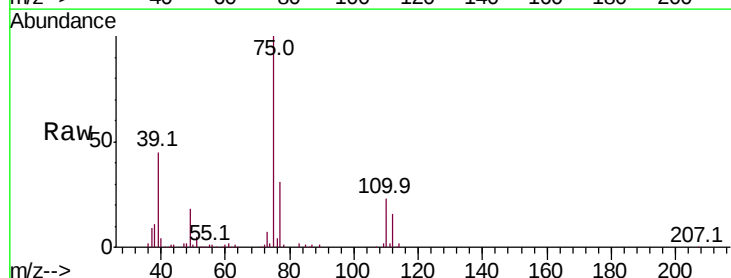
Tgt Ion: 75 Resp: 85935

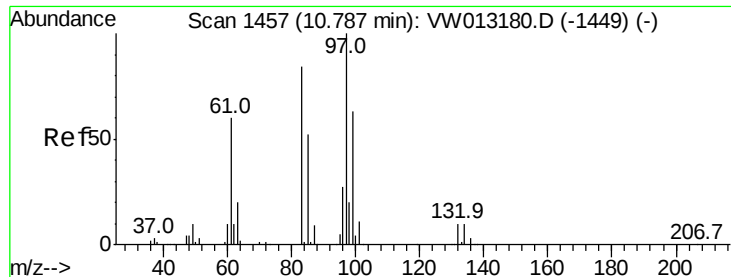
Ion Ratio Lower Upper

75 100

77 31.0 25.2 37.8

39 44.9 36.6 55.0





#55

1,1,2-Trichloroethane

Concen: 22.569 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW013292.D

Acq: 25 Sep 2019 11:41

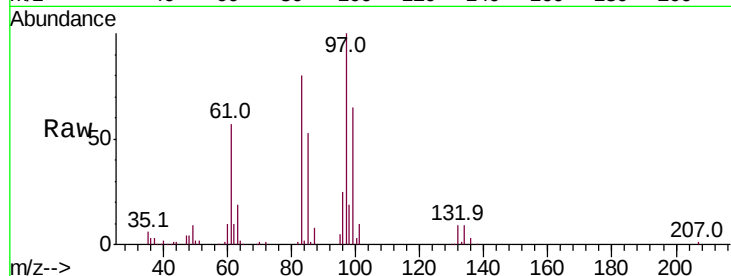
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 43877

Ion	Ratio	Lower	Upper
97	100		
83	79.6	67.6	101.4
85	52.3	41.9	62.9
99	65.2	50.1	75.1



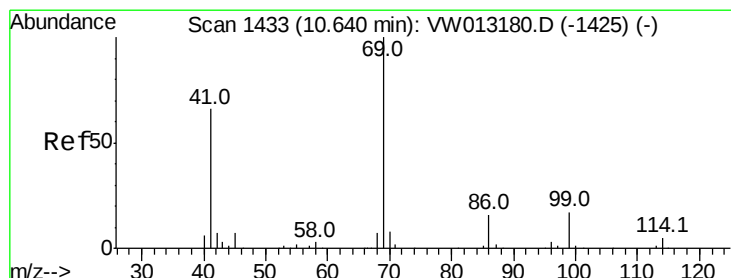
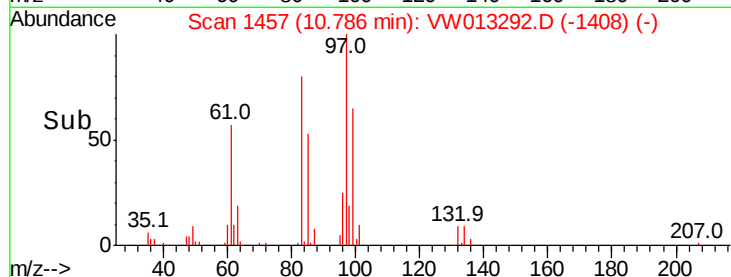
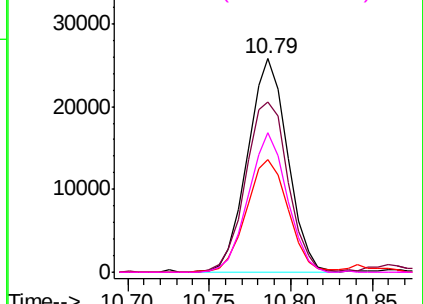
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 23.512 ug/l

RT: 10.65 min Scan# 1434

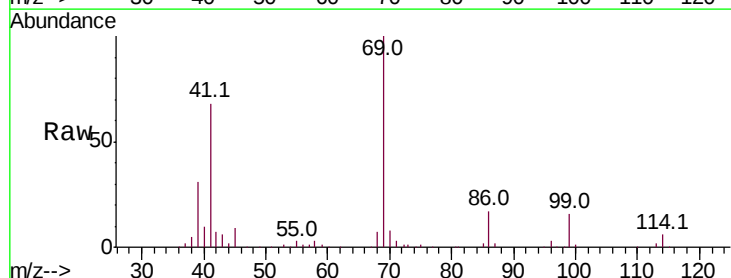
Delta R.T. 0.01 min

Lab File: VW013292.D

Acq: 25 Sep 2019 11:41

Tgt Ion: 69 Resp: 59823

Ion	Ratio	Lower	Upper
69	100		
41	68.9	53.9	80.9
39	30.4	23.8	35.6

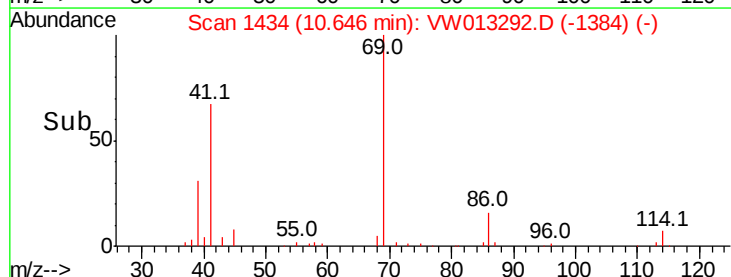
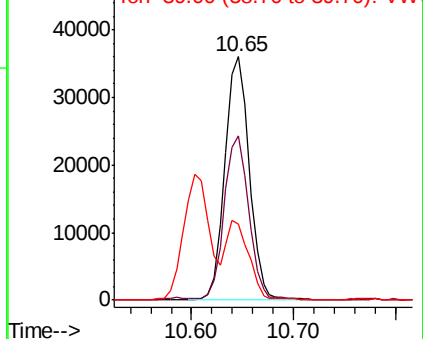


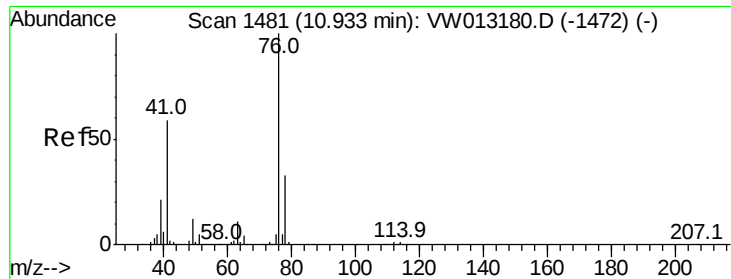
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 22.559 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

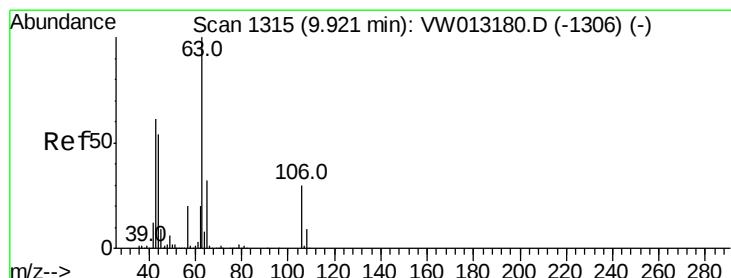
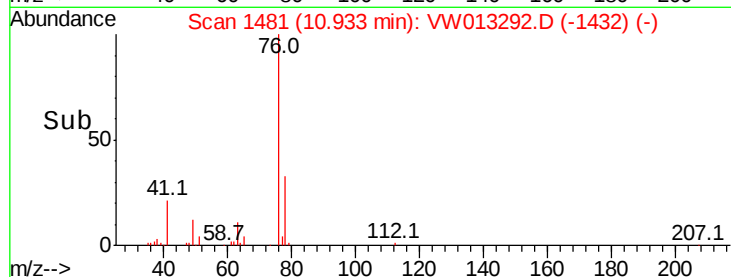
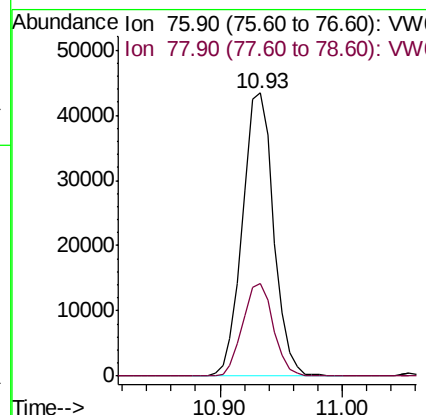
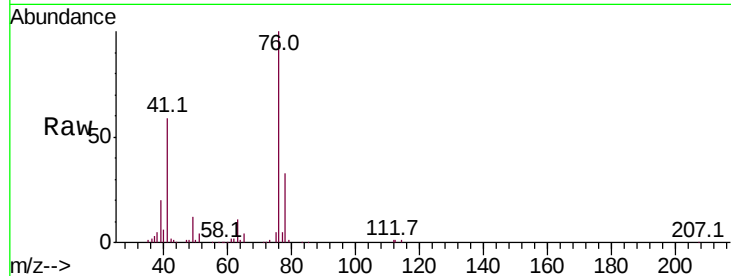
Lab File: VW013292.D

Acq: 25 Sep 2019 11:41

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 76 Resp: 76533

Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.5	38.3



#58

2-Chloroethyl Vinyl ether

Concen: 115.804 ug/l

RT: 9.92 min Scan# 1315

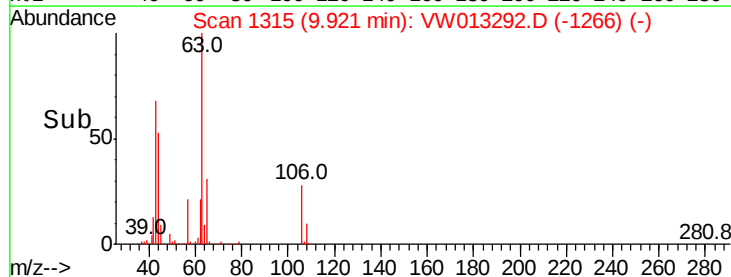
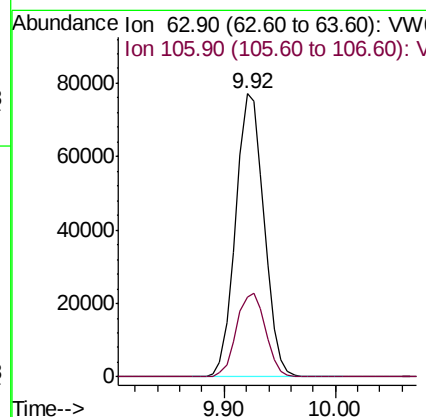
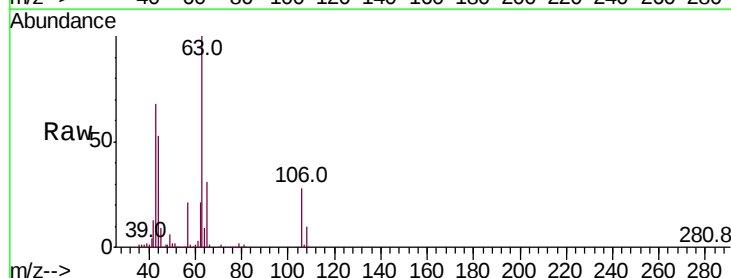
Delta R.T. -0.00 min

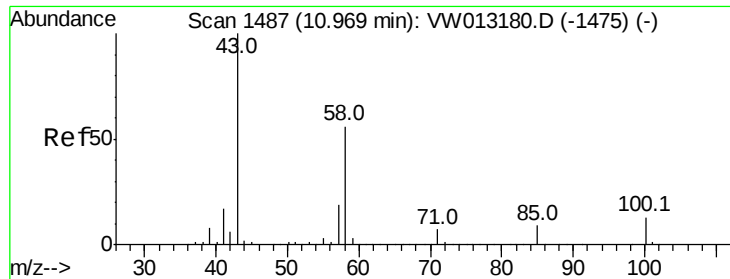
Lab File: VW013292.D

Acq: 25 Sep 2019 11:41

Tgt Ion: 63 Resp: 136406

Ion	Ratio	Lower	Upper
63	100		
106	30.3	23.4	35.0

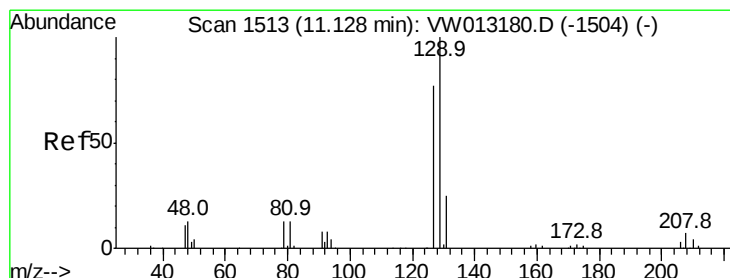
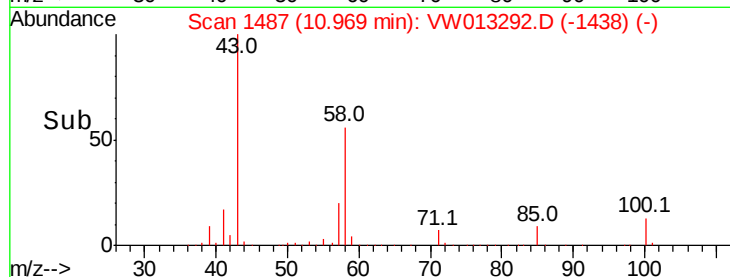
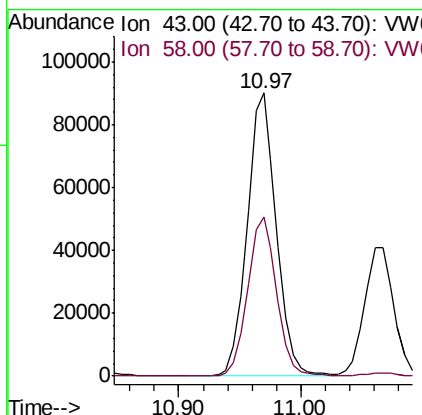
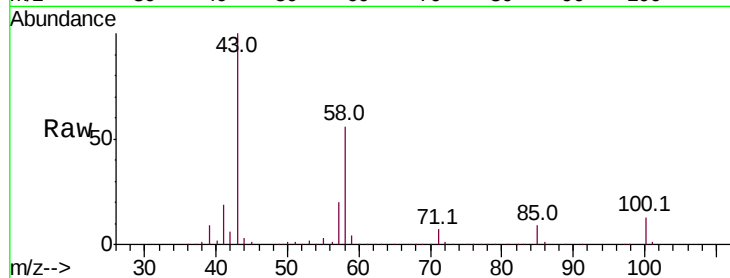




#59
2-Hexanone
Concen: 134.541 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW013292.D
Acq: 25 Sep 2019 11:41

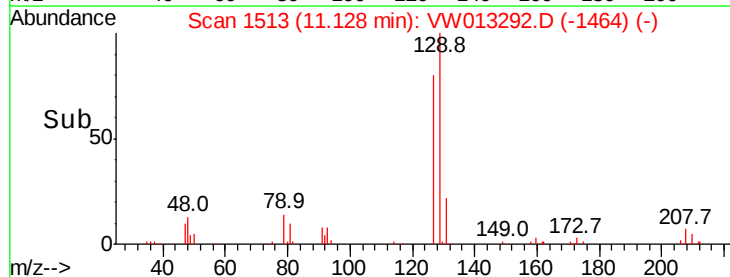
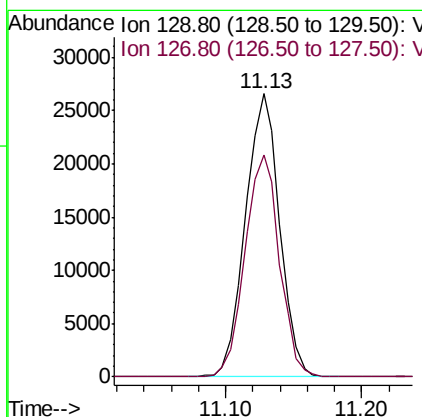
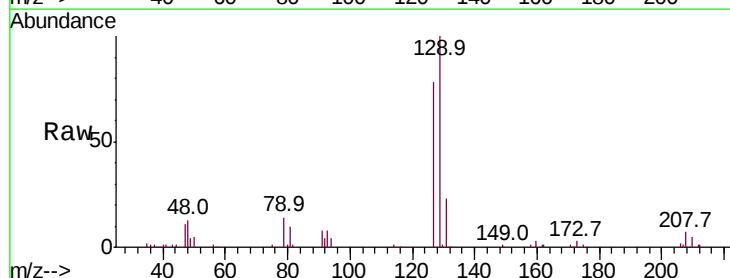
Instrument :
MSVOA_W
ClientSampled :

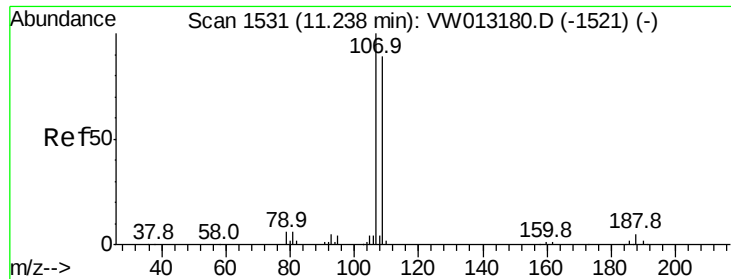
Tot Ion: 43 Resp: 148708
Ion Ratio Lower Upper
43 100
58 56.1 28.1 84.2



#60
Dibromochloromethane
Concen: 21.148 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013292.D
Acq: 25 Sep 2019 11:41

Tgt Ion: 129 Resp: 46686
Ion Ratio Lower Upper
129 100
127 79.0 38.8 116.4

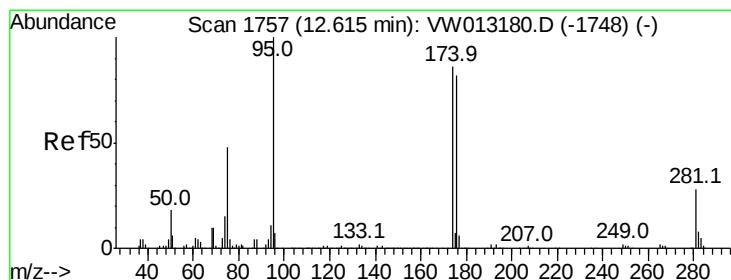
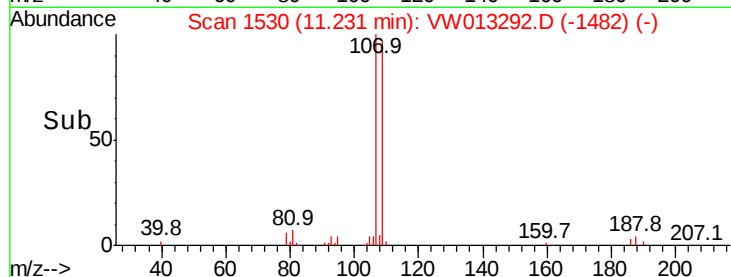
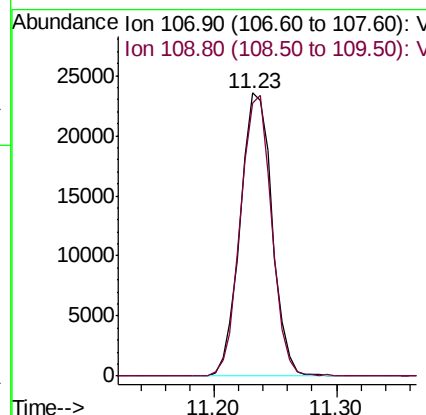
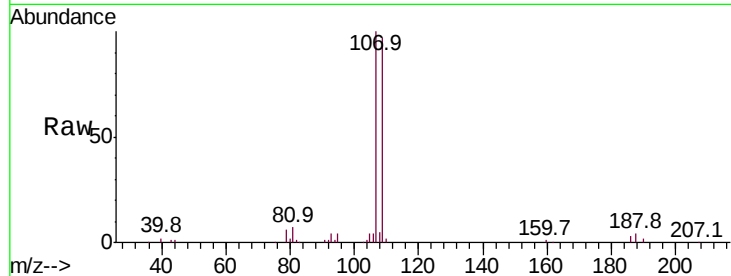




#61
 1,2-Dibromoethane
 Concen: 23.003 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW013292.D
 Acq: 25 Sep 2019 11:41

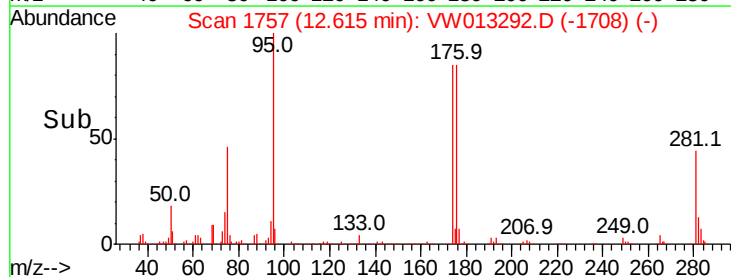
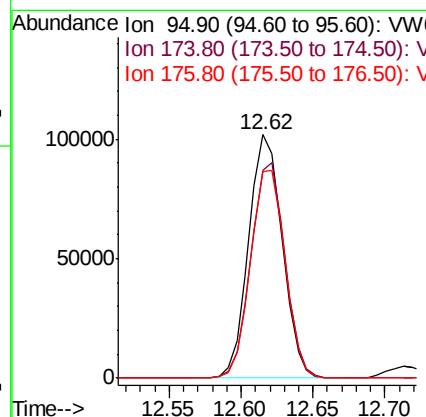
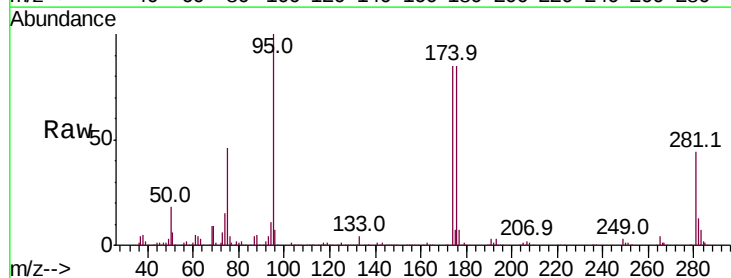
Instrument :
 MSVOA_W
 ClientSampled :

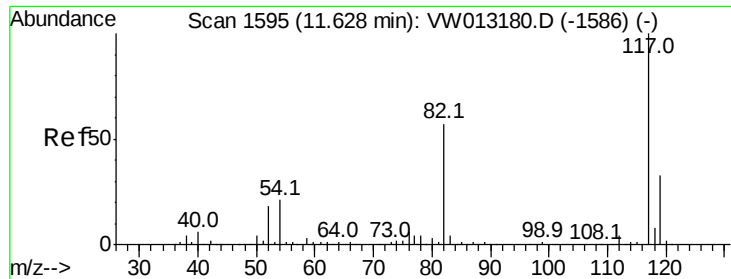
Tot Ion:107 Resp: 42521
 Ion Ratio Lower Upper
 107 100
 109 96.6 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 51.487 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013292.D
 Acq: 25 Sep 2019 11:41

Tgt Ion: 95 Resp: 164439
 Ion Ratio Lower Upper
 95 100
 174 89.1 0.0 178.4
 176 87.6 0.0 172.2

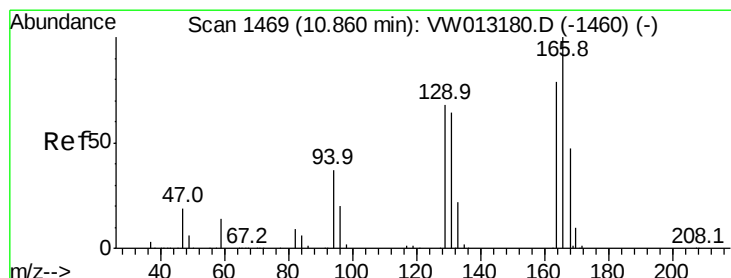
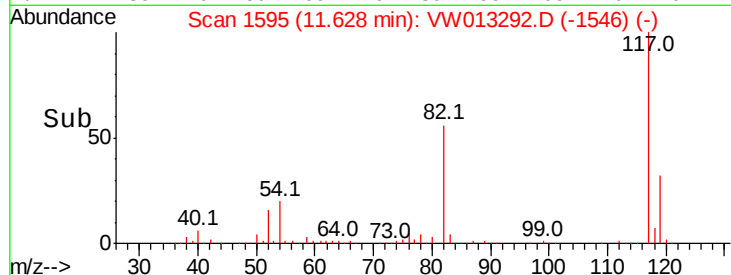
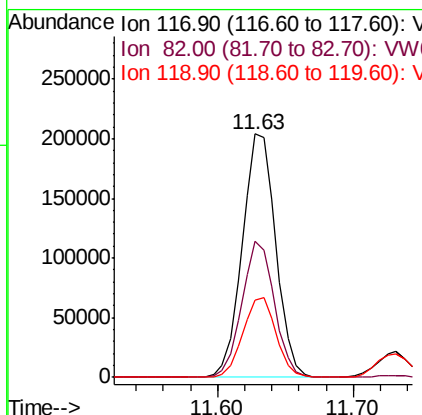
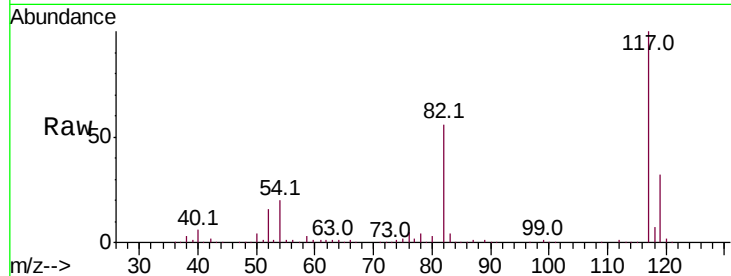




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013292.D
Acq: 25 Sep 2019 11:41

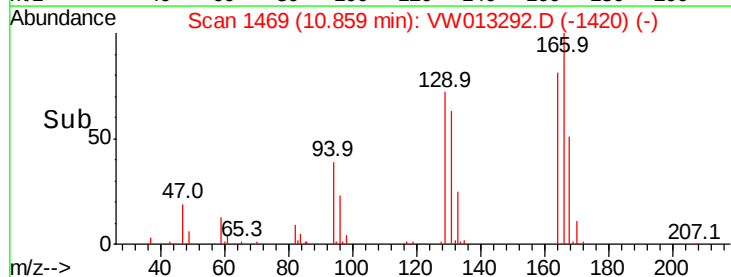
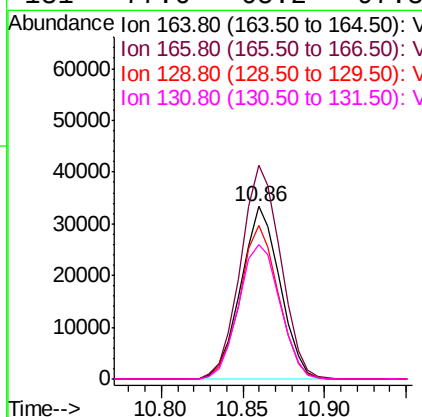
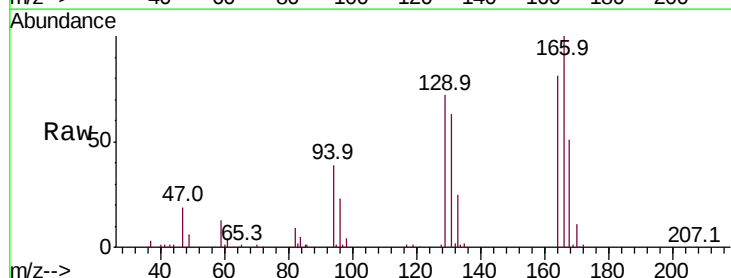
Instrument :
MSVOA_W
ClientSampled :

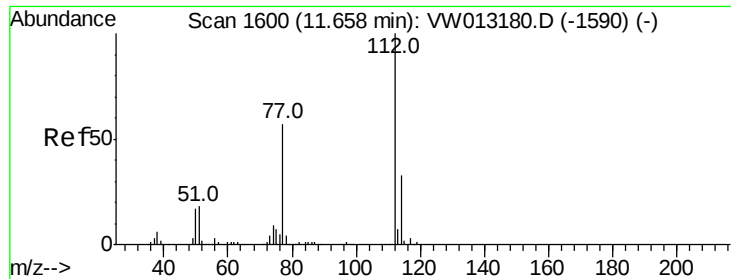
Tot Ion:117 Resp: 350511
Ion Ratio Lower Upper
117 100
82 55.9 45.9 68.9
119 31.9 26.2 39.2



#64
Tetrachloroethene
Concen: 20.954 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013292.D
Acq: 25 Sep 2019 11:41

Tgt Ion:164 Resp: 55726
Ion Ratio Lower Upper
164 100
166 123.6 101.2 151.8
129 89.0 68.8 103.2
131 77.6 65.2 97.8

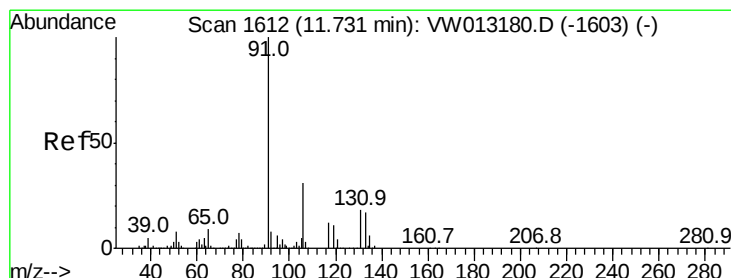
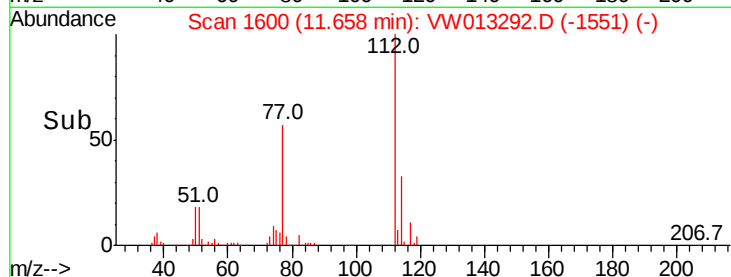
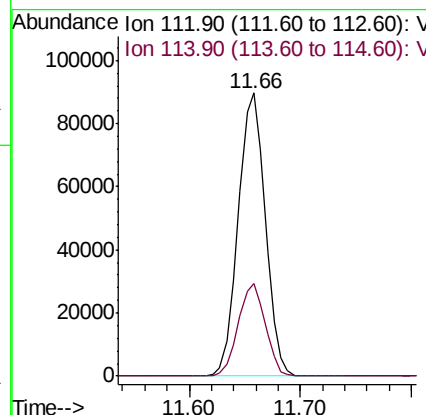
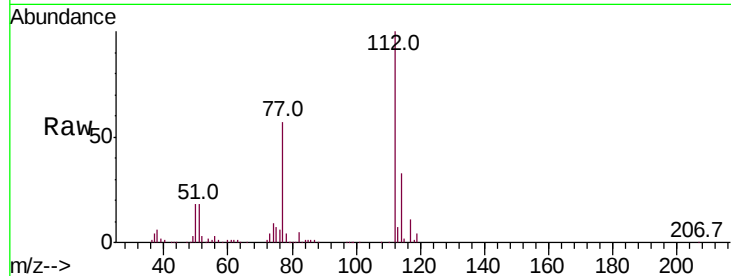




#65
Chlorobenzene
Concen: 20.661 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013292.D
Acq: 25 Sep 2019 11:41

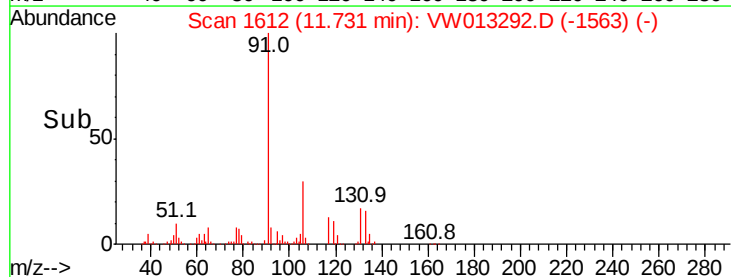
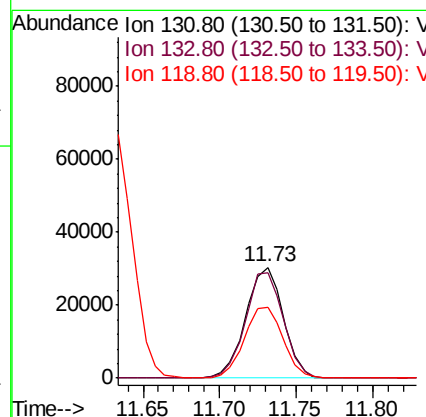
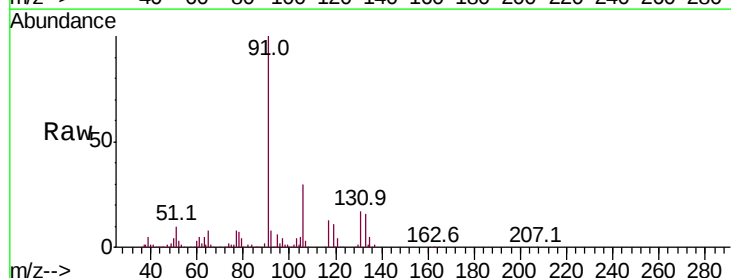
Instrument :
MSVOA_W
ClientSampleId :

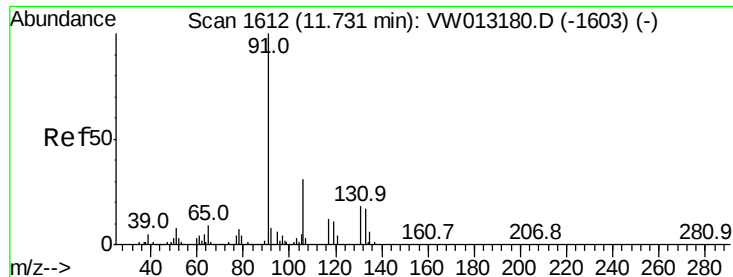
Tot Ion:112 Resp: 151226
Ion Ratio Lower Upper
112 100
114 32.7 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 20.650 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013292.D
Acq: 25 Sep 2019 11:41

Tgt Ion:131 Resp: 51636
Ion Ratio Lower Upper
131 100
133 96.8 47.5 142.6
119 66.2 32.5 97.5

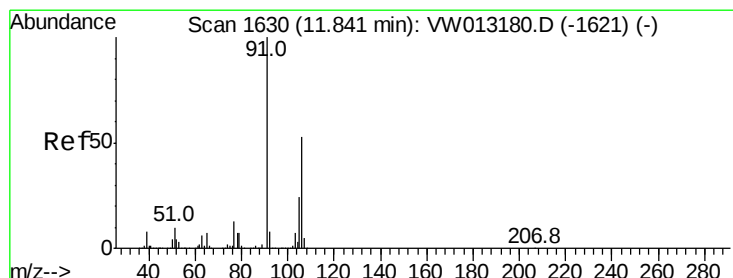
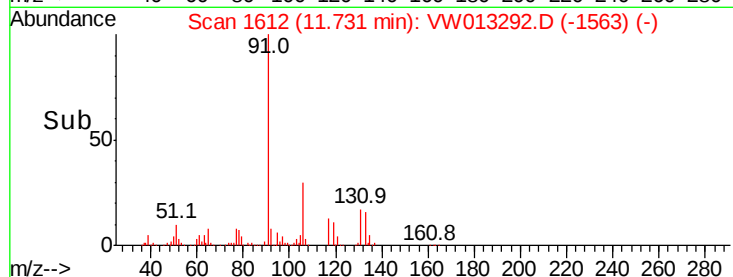
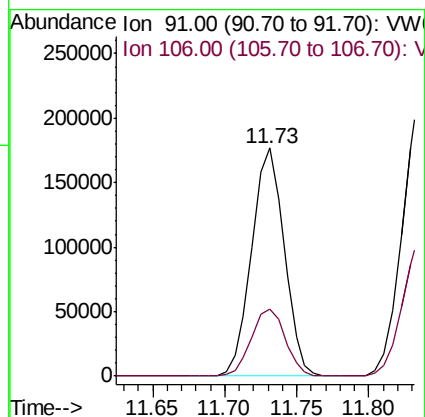
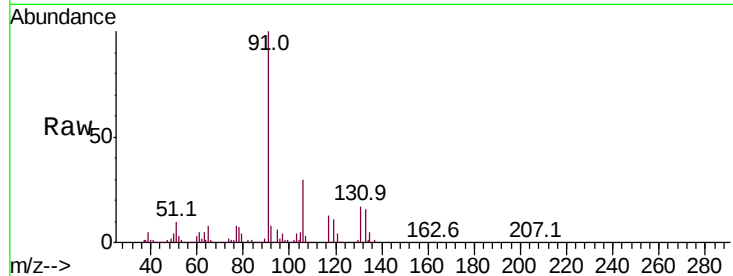




#67
Ethyl Benzene
Concen: 20.900 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013292.D
Acq: 25 Sep 2019 11:41

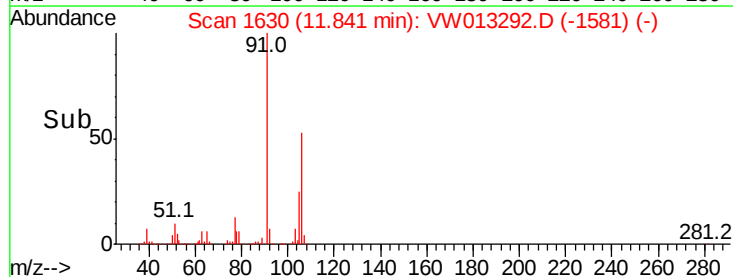
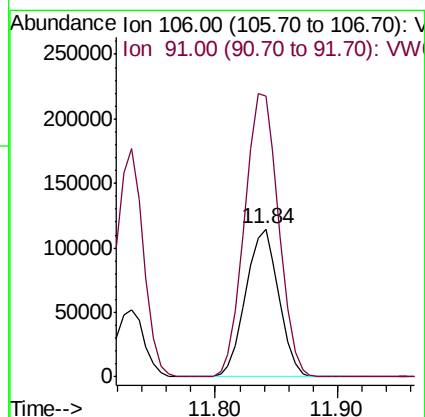
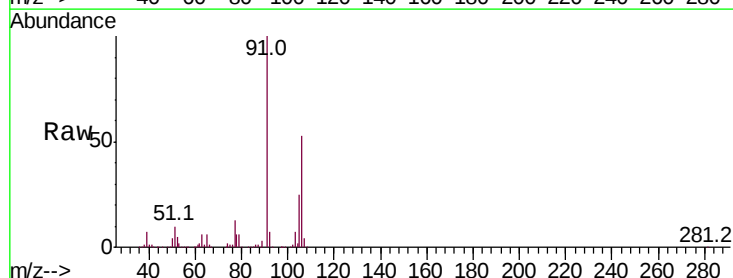
Instrument :
MSVOA_W
ClientSampled :

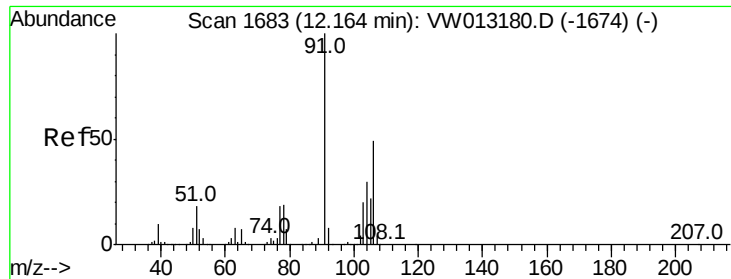
Tot Ion: 91 Resp: 277179
Ion Ratio Lower Upper
91 100
106 29.7 24.9 37.3



#68
m/p-Xylenes
Concen: 42.630 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW013292.D
Acq: 25 Sep 2019 11:41

Tgt Ion:106 Resp: 215434
Ion Ratio Lower Upper
106 100
91 197.3 157.9 236.9

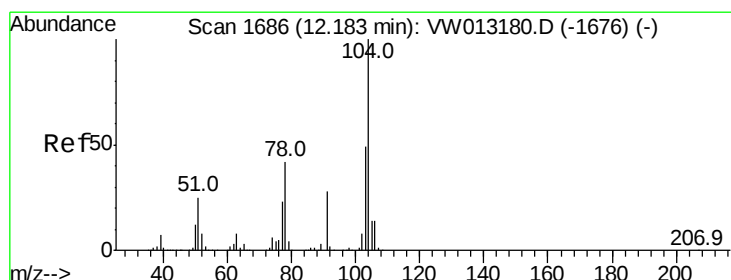
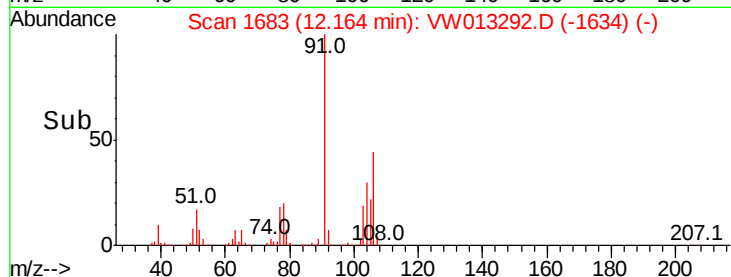
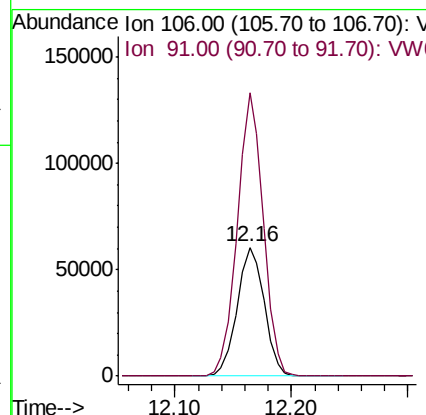
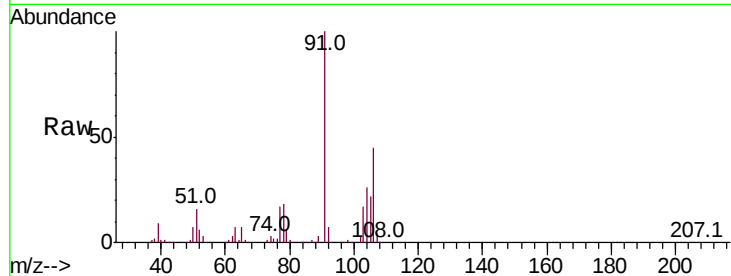




#69
o-Xylene
Concen: 20.855 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013292.D
Acq: 25 Sep 2019 11:41

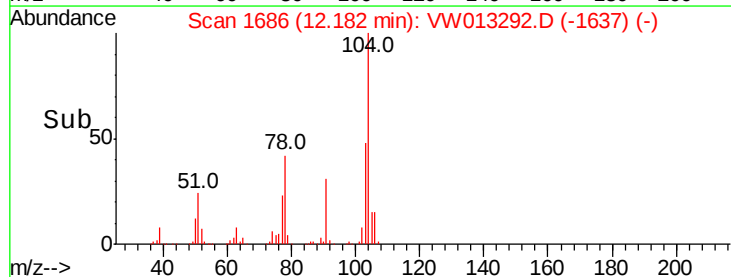
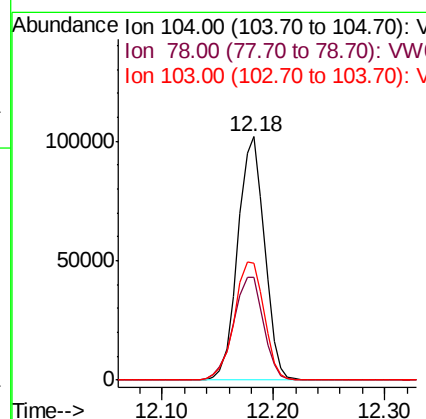
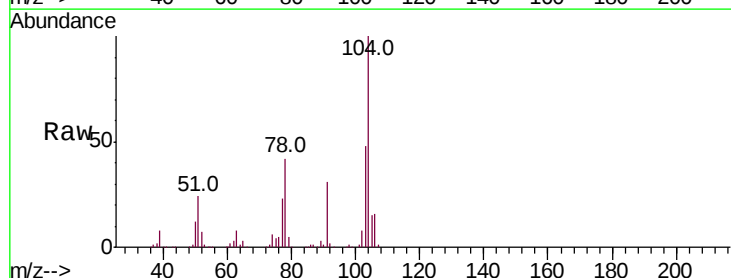
Instrument :
MSVOA_W
ClientSampled :

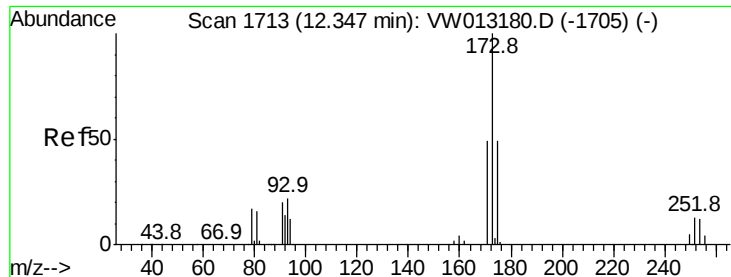
Tot Ion:106 Resp: 97988
Ion Ratio Lower Upper
106 100
91 211.2 106.5 319.5



#70
Styrene
Concen: 21.009 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW013292.D
Acq: 25 Sep 2019 11:41

Tgt Ion:104 Resp: 169466
Ion Ratio Lower Upper
104 100
78 47.5 38.4 57.6
103 54.0 43.3 64.9

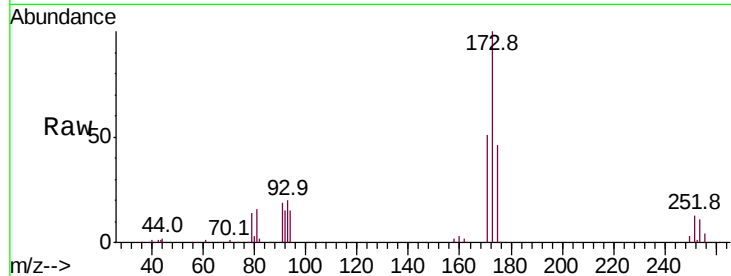




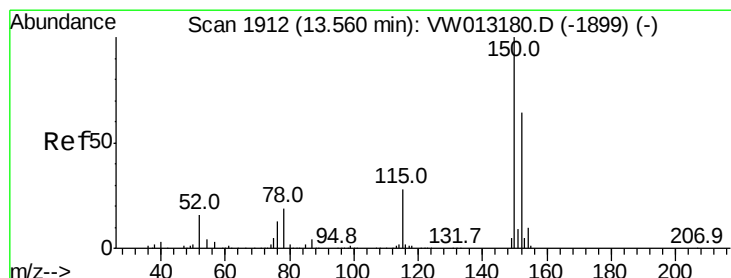
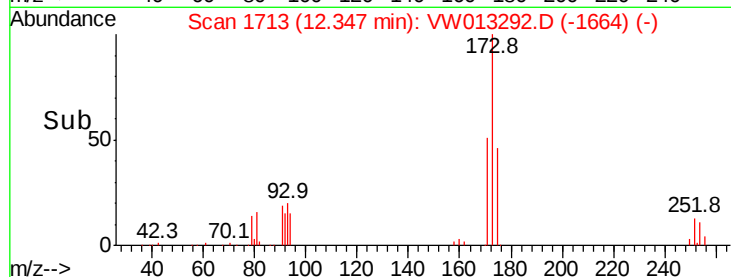
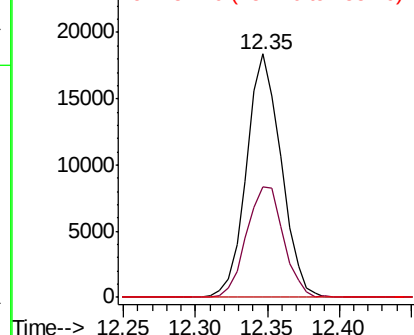
#71
Bromoform
Concen: 23.044 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW013292.D
Acq: 25 Sep 2019 11:41

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:173 Resp: 30442
Ion Ratio Lower Upper
173 100
175 48.6 24.3 73.0
254 0.0 0.1 0.1#

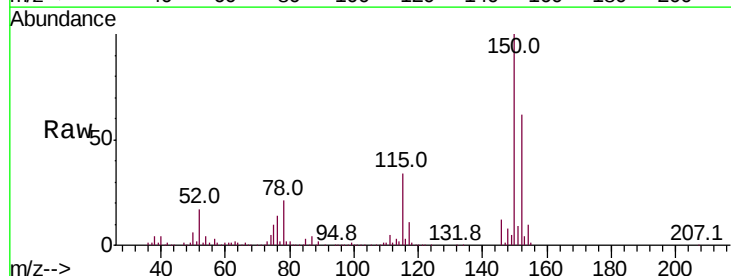


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

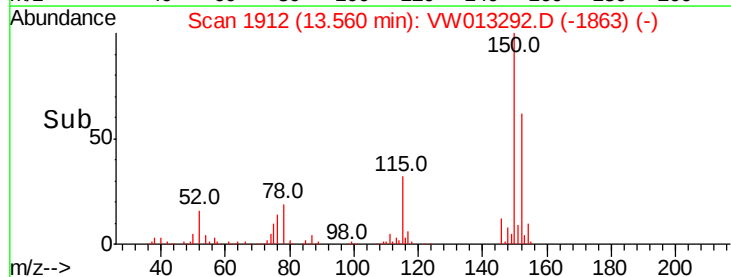
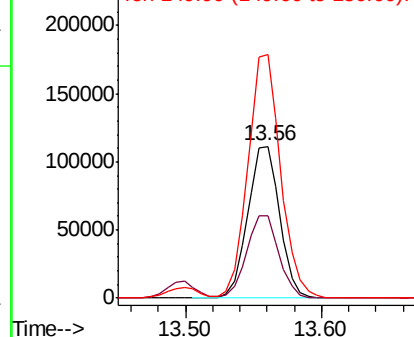


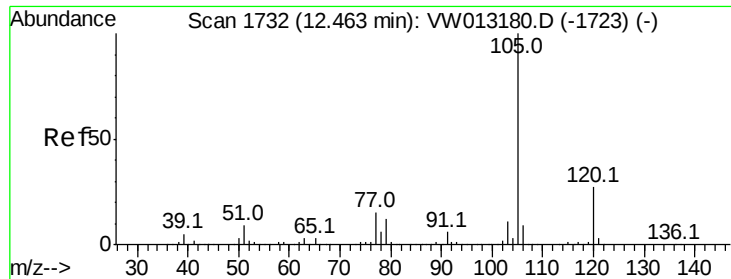
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW013292.D
Acq: 25 Sep 2019 11:41

Tgt Ion:152 Resp: 183082
Ion Ratio Lower Upper
152 100
115 54.5 27.3 81.9
150 164.6 0.0 349.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.324 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013292.D

Acq: 25 Sep 2019 11:41

Instrument :

MSVOA_W

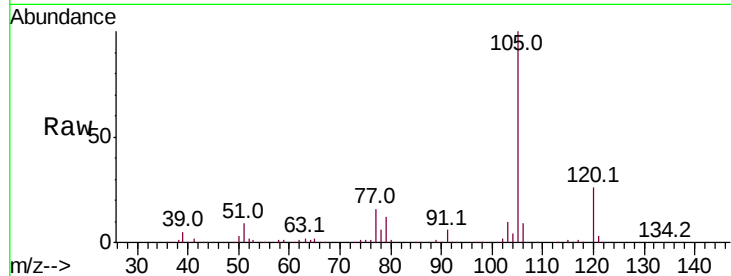
ClientSampleId :

Tot Ion:105 Resp: 274870

Ion Ratio Lower Upper

105 100

120 26.5 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

100000

50000

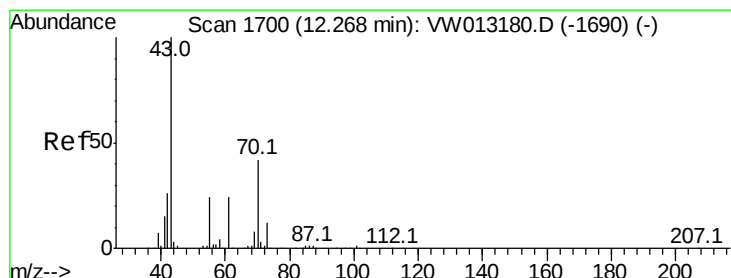
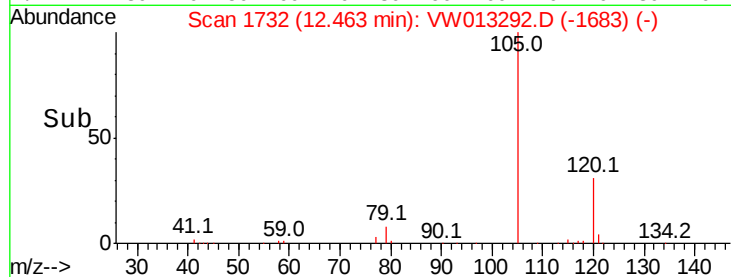
0

12.46

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 23.449 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.01 min

Lab File: VW013292.D

Acq: 25 Sep 2019 11:41

Tgt Ion: 43 Resp: 70371

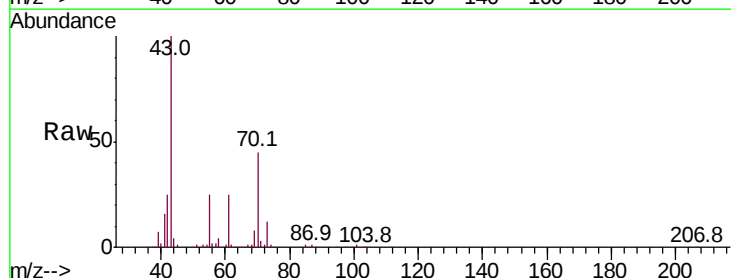
Ion Ratio Lower Upper

43 100

70 45.1 35.1 52.7

55 25.4 19.9 29.9

61 25.2 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

60000

40000

20000

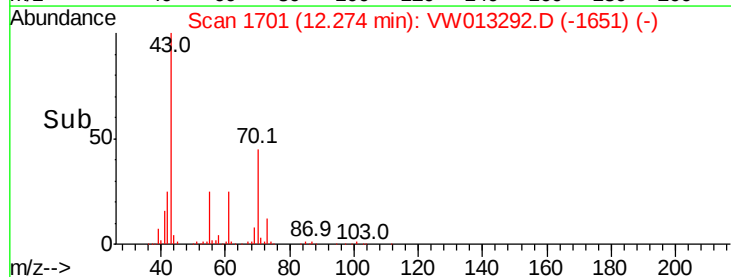
0

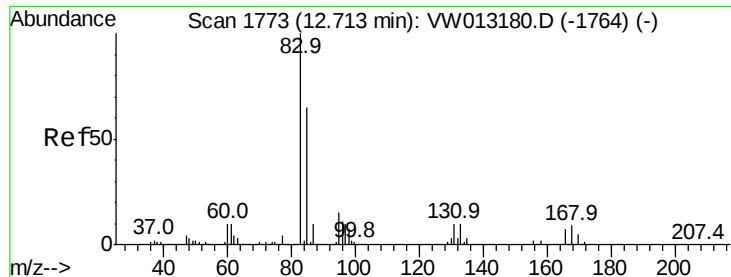
12.27

12.20

12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 24.058 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013292.D

Acq: 25 Sep 2019 11:41

Instrument :

MSVOA_W

ClientSampleId :

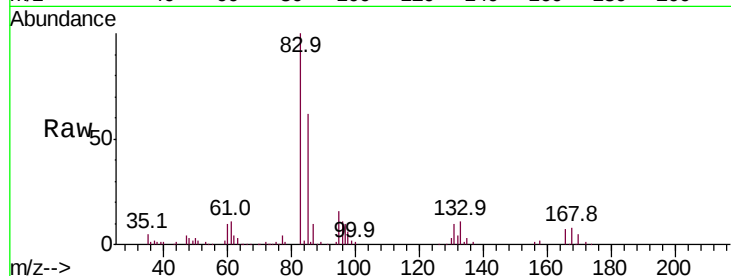
Tot Ion: 83 Resp: 54416

Ion Ratio Lower Upper

83 100

131 10.5 5.4 16.2

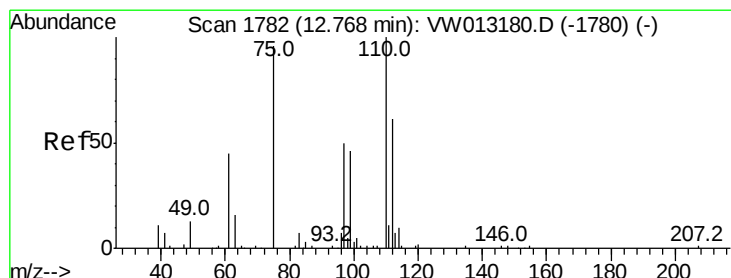
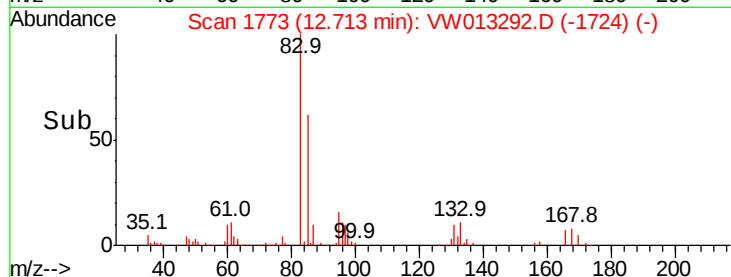
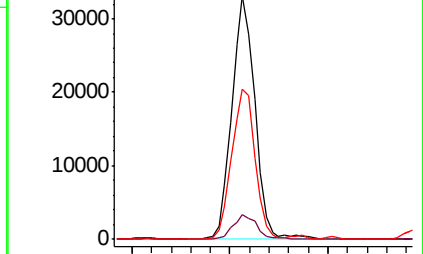
85 62.3 31.9 95.9



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: 41.020 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW013292.D

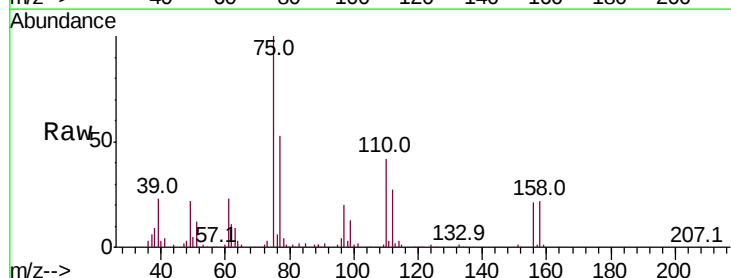
Acq: 25 Sep 2019 11:41

Tgt Ion: 75 Resp: 66323

Ion Ratio Lower Upper

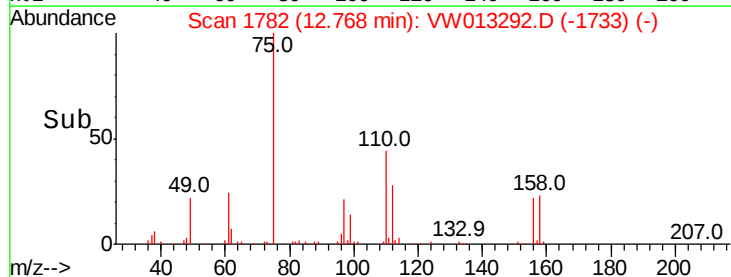
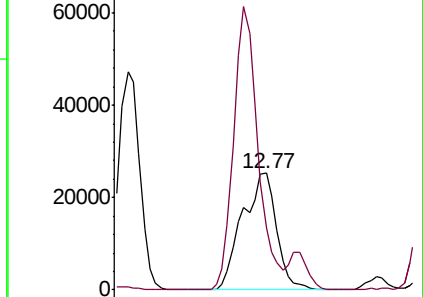
75 100

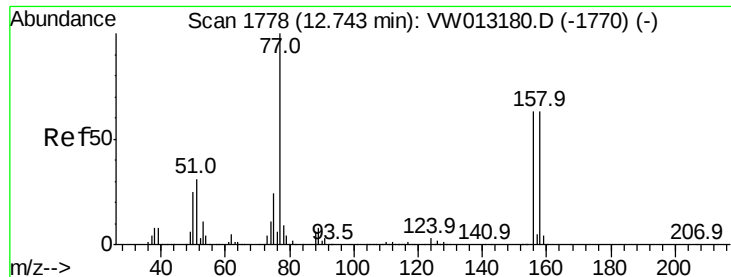
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.709 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VW013292.D

Acq: 25 Sep 2019 11:41

Instrument :

MSVOA_W

ClientSampled :

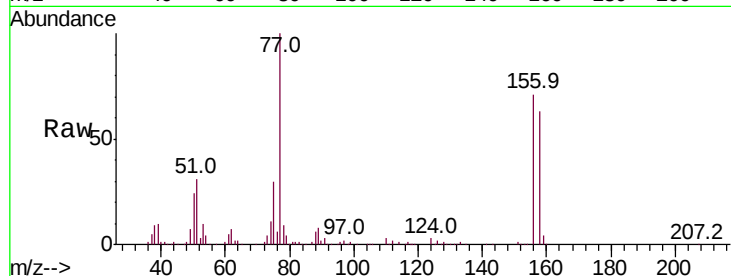
Tot Ion:156 Resp: 66371

Ion Ratio Lower Upper

156 100

77 173.2 85.7 257.1

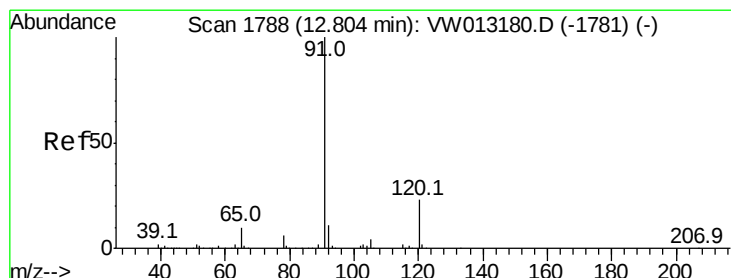
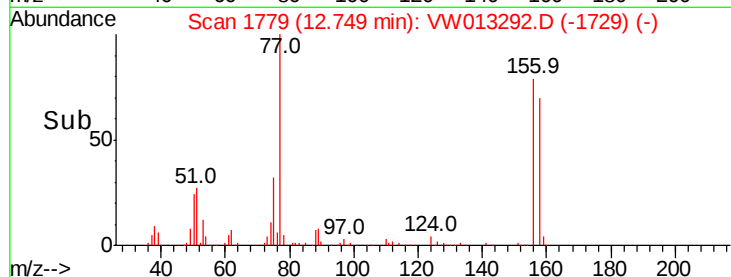
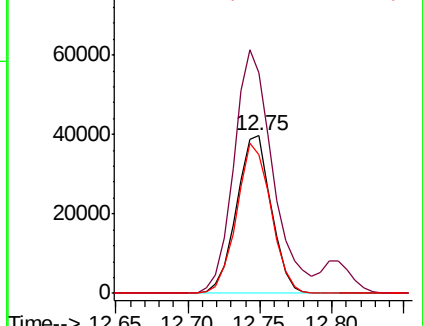
158 94.1 48.1 144.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.454 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013292.D

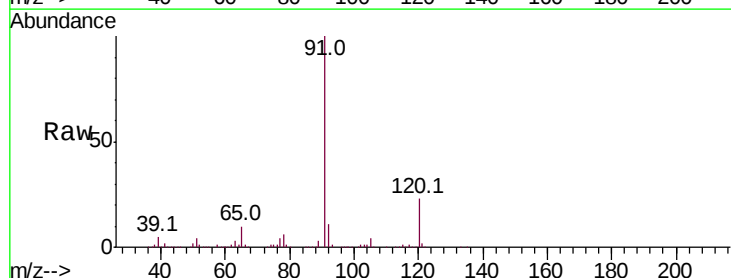
Acq: 25 Sep 2019 11:41

Tgt Ion: 91 Resp: 323810

Ion Ratio Lower Upper

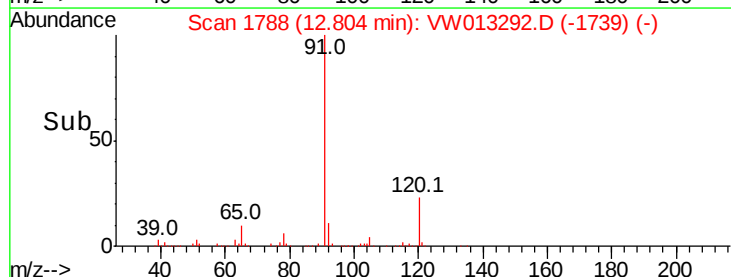
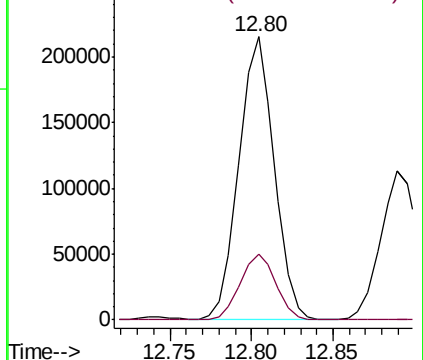
91 100

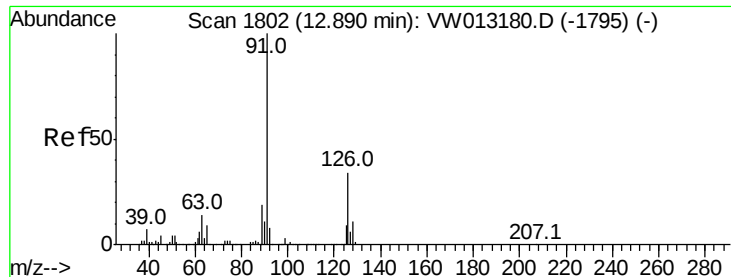
120 23.7 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.393 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013292.D

Acq: 25 Sep 2019 11:41

Instrument :

MSVOA_W

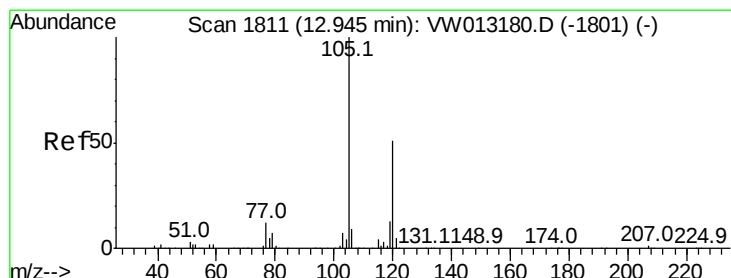
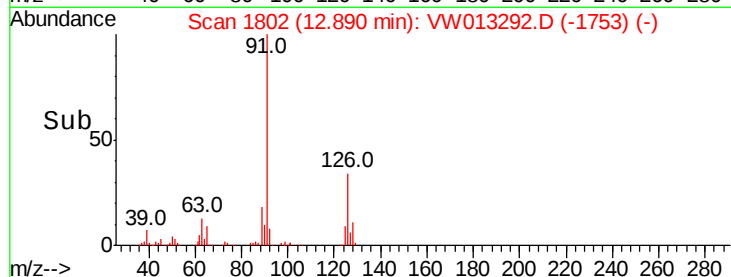
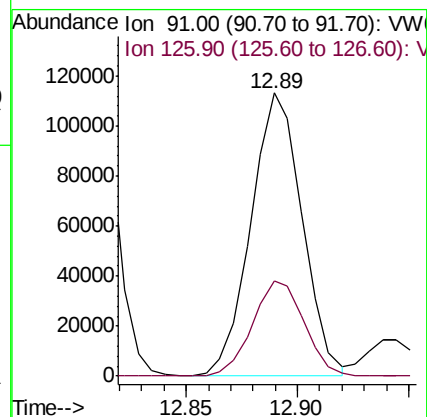
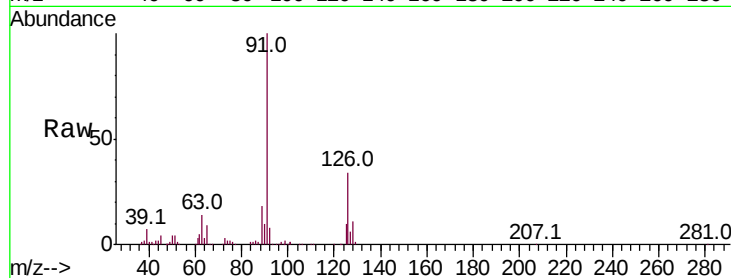
ClientSampleId :

Tot Ion: 91 Resp: 180866

Ion Ratio Lower Upper

91 100

126 34.1 17.2 51.5



#80

1,3,5-Trimethylbenzene

Concen: 20.313 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW013292.D

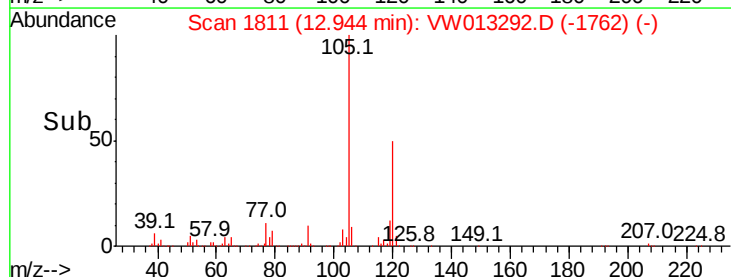
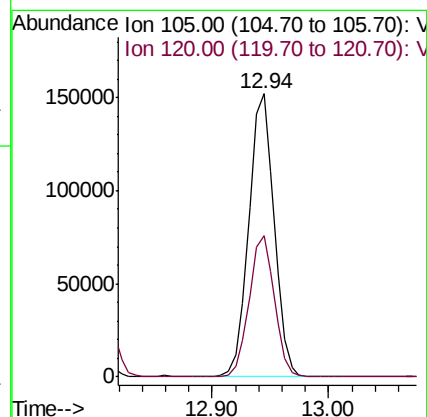
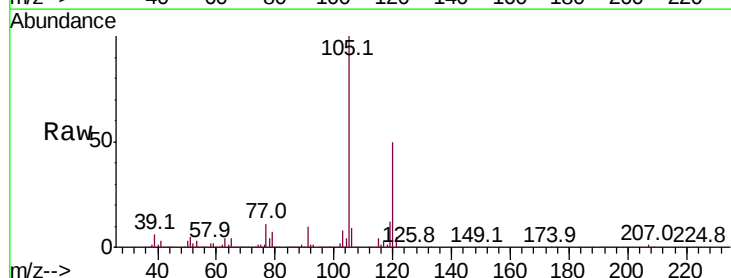
Acq: 25 Sep 2019 11:41

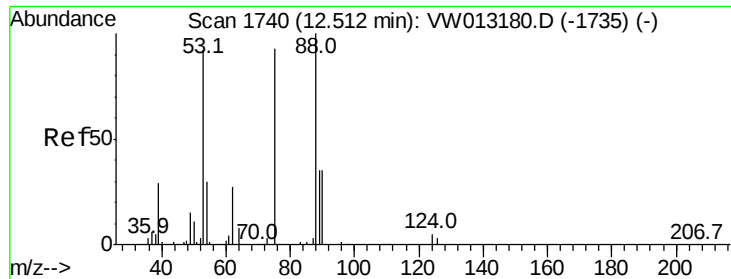
Tgt Ion:105 Resp: 230933

Ion Ratio Lower Upper

105 100

120 50.1 24.9 74.8

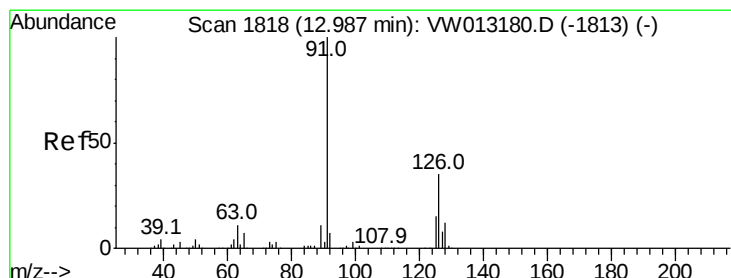
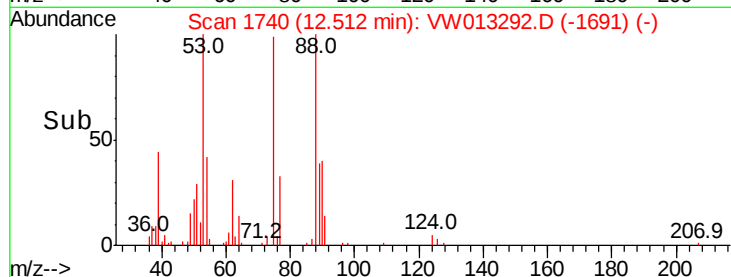
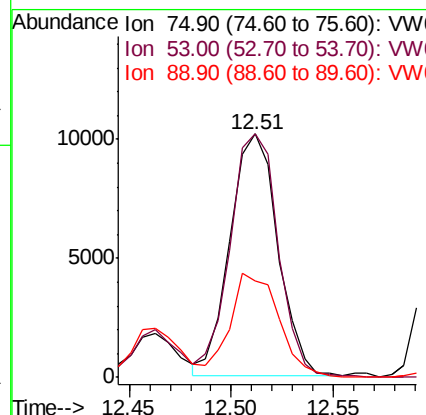
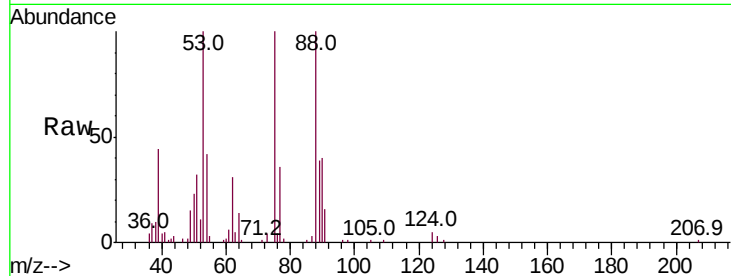




#81
trans-1,4-Dichloro-2-butene
Concen: 22.734 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW013292.D
Acq: 25 Sep 2019 11:41

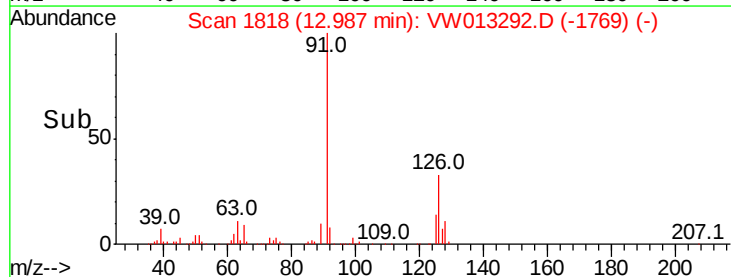
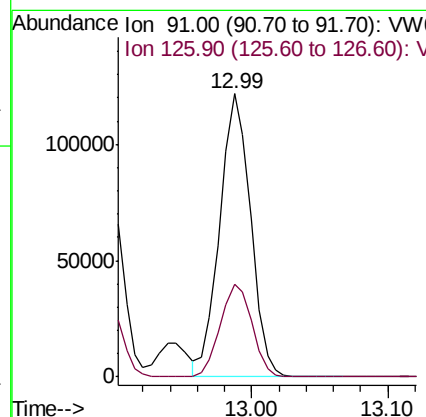
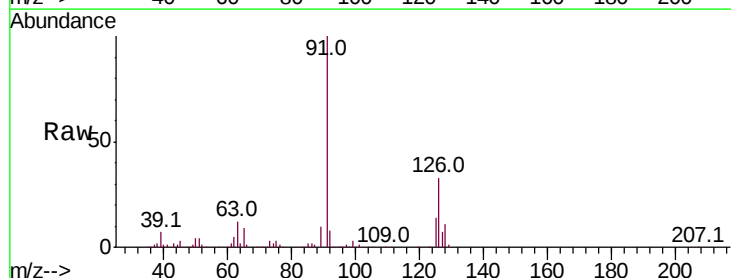
Instrument :
MSVOA_W
ClientSampleId :

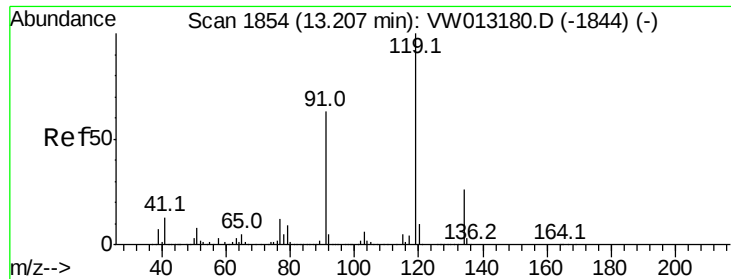
Tot Ion: 75 Resp: 16381
Ion Ratio Lower Upper
75 100
53 102.8 76.6 114.8
89 43.7 33.5 50.3



#82
4-Chlorotoluene
Concen: 20.488 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW013292.D
Acq: 25 Sep 2019 11:41

Tgt Ion: 91 Resp: 191620
Ion Ratio Lower Upper
91 100
126 33.6 17.3 51.7





#83

tert-Butylbenzene

Concen: 20.596 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VW013292.D

Acq: 25 Sep 2019 11:41

Instrument :

MSVOA_W

ClientSampleId :

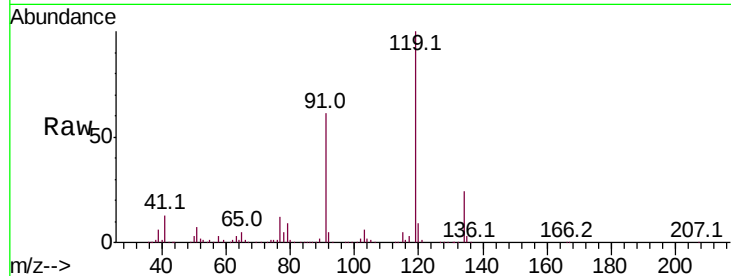
Tot Ion:119 Resp: 205516

Ion Ratio Lower Upper

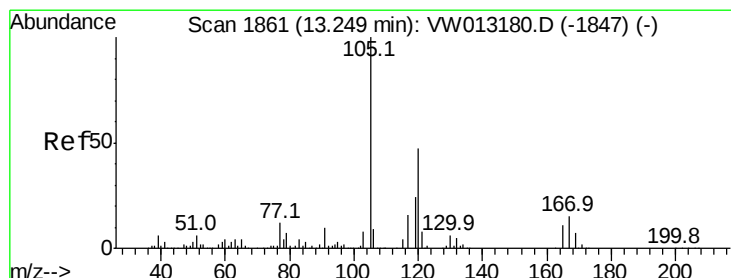
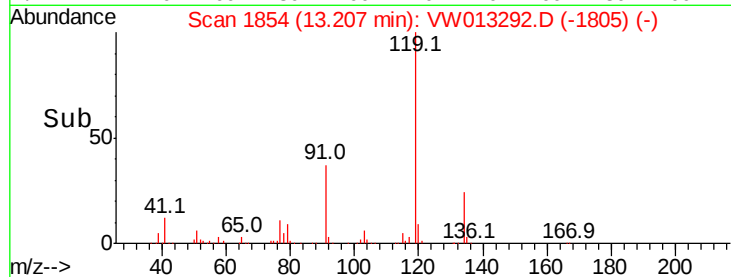
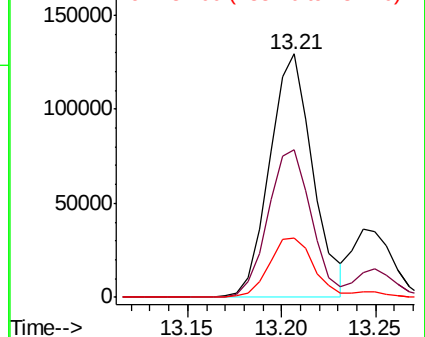
119 100

91 60.8 30.7 92.1

134 25.5 12.6 37.6



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



#84

1,2,4-Trimethylbenzene

Concen: 20.252 ug/l

RT: 13.25 min Scan# 1861

Delta R.T. -0.00 min

Lab File: VW013292.D

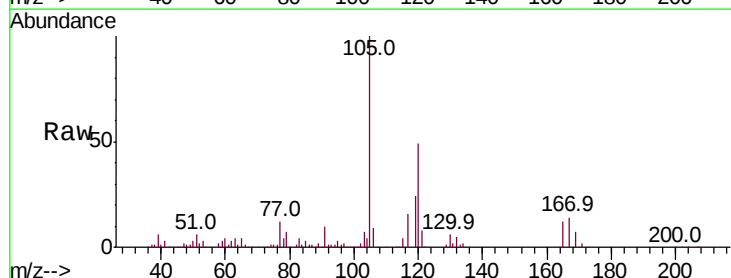
Acq: 25 Sep 2019 11:41

Tgt Ion:105 Resp: 229110

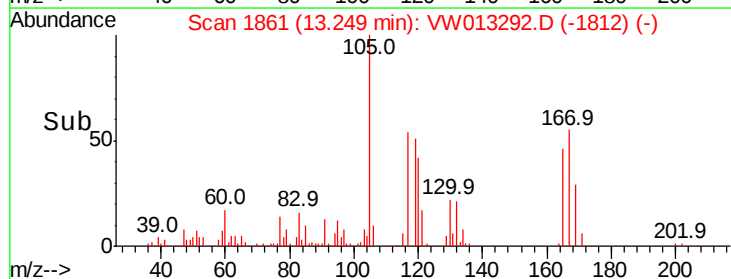
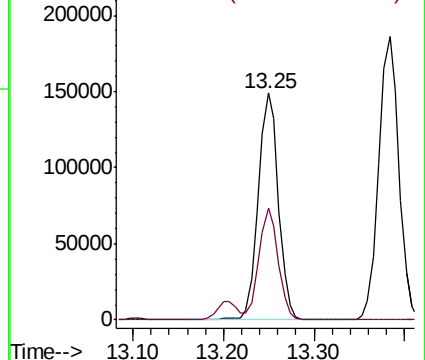
Ion Ratio Lower Upper

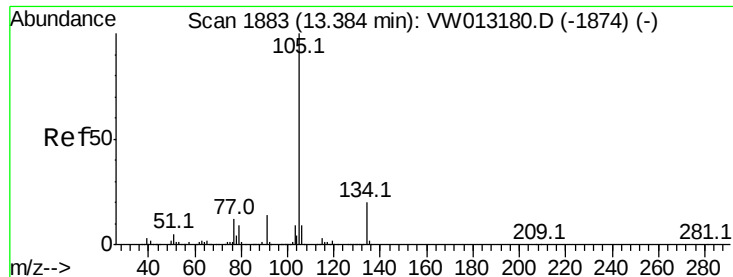
105 100

120 47.5 23.4 70.3



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





#85

sec-Butylbenzene

Concen: 20.769 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW013292.D

Acq: 25 Sep 2019 11:41

Instrument :

MSVOA_W

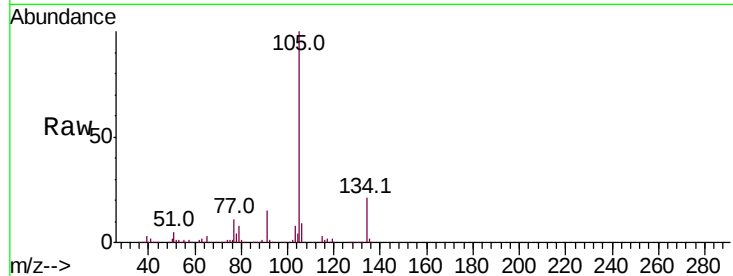
ClientSampleId :

Tot Ion:105 Resp: 285723

Ion Ratio Lower Upper

105 100

134 20.6 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.38

200000

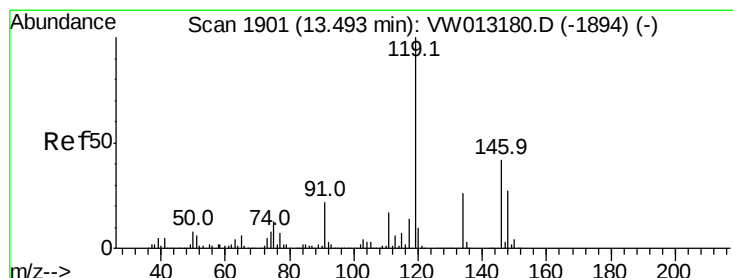
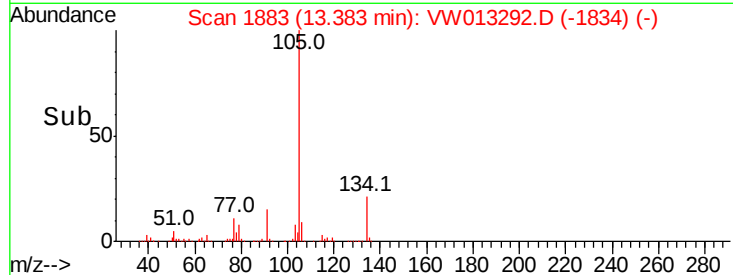
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.586 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.01 min

Lab File: VW013292.D

Acq: 25 Sep 2019 11:41

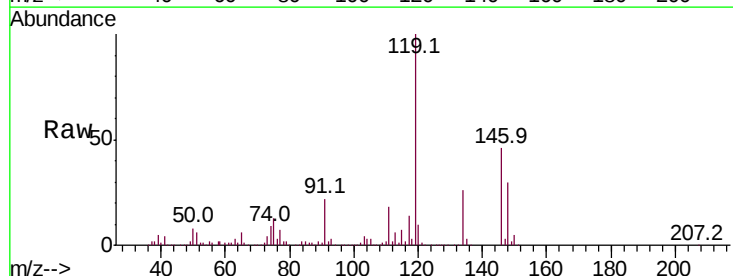
Tgt Ion:119 Resp: 262678

Ion Ratio Lower Upper

119 100

134 25.7 13.3 39.8

91 21.3 10.8 32.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VW

13.50

200000

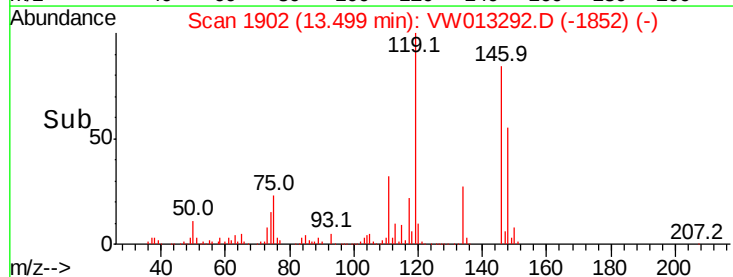
150000

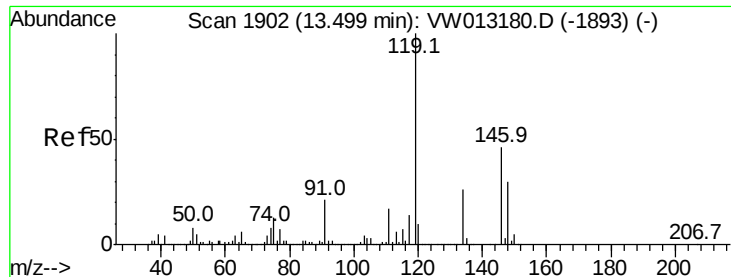
100000

50000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 20.198 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

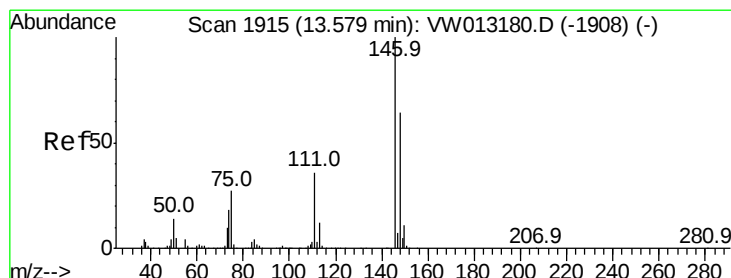
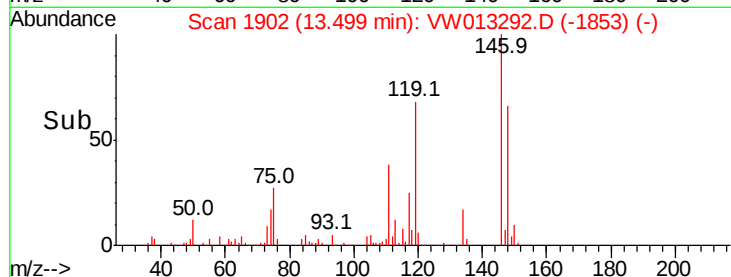
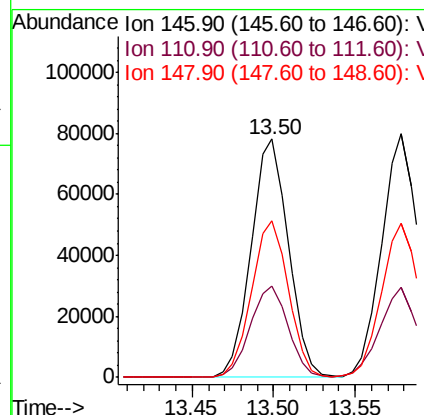
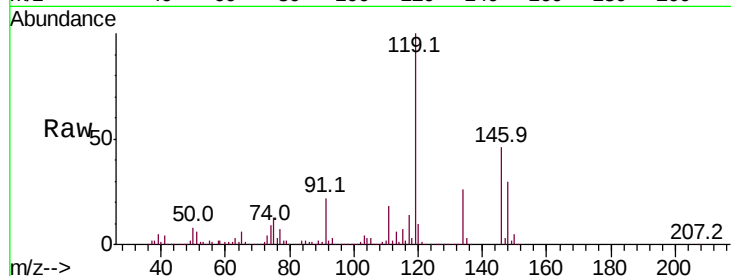
Lab File: VW013292.D

Acq: 25 Sep 2019 11:41

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:146 Resp: 124580

Ion	Ratio	Lower	Upper
146	100		
111	38.9	18.9	56.9
148	65.1	31.9	95.5



#88

1,4-Dichlorobenzene

Concen: 20.782 ug/l

RT: 13.58 min Scan# 1915

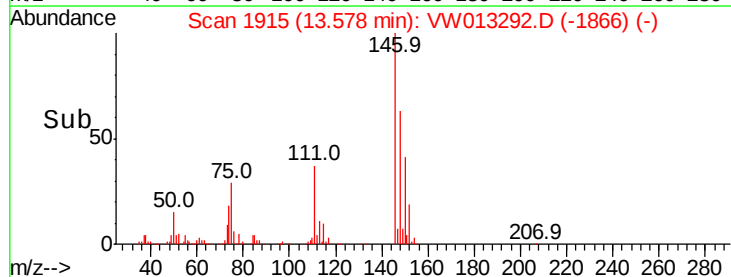
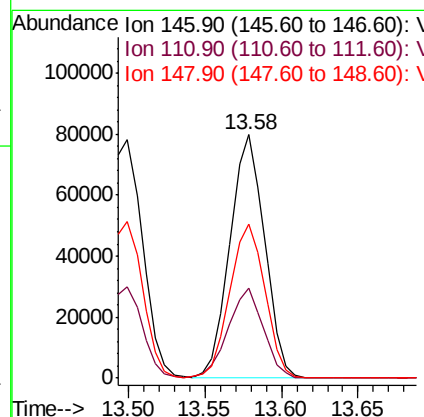
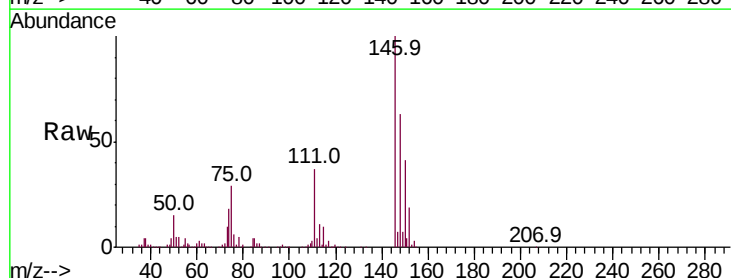
Delta R.T. -0.00 min

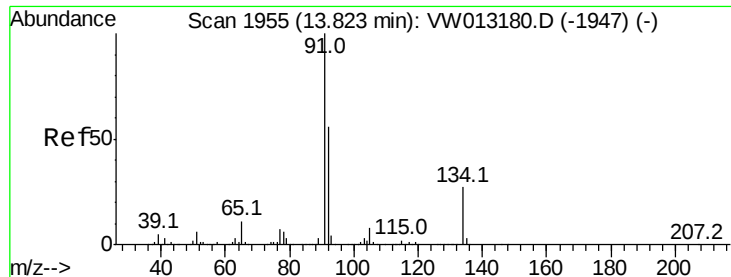
Lab File: VW013292.D

Acq: 25 Sep 2019 11:41

Tgt Ion:146 Resp: 125718

Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.4	55.0
148	64.2	32.1	96.3

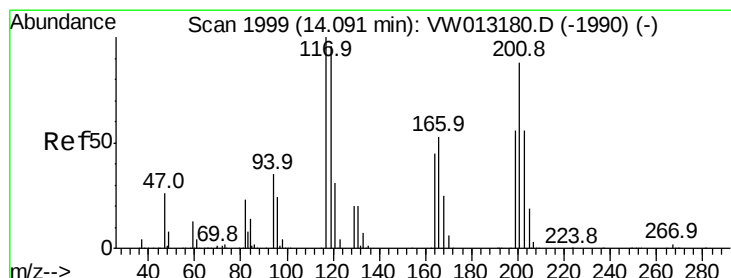
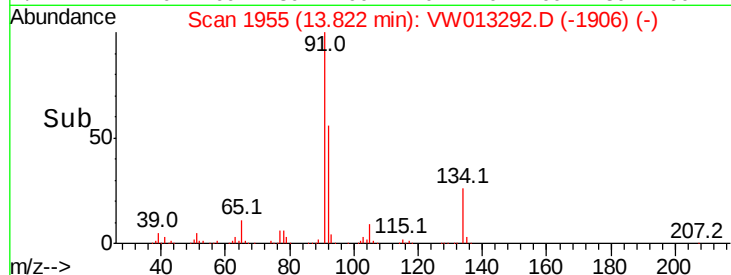
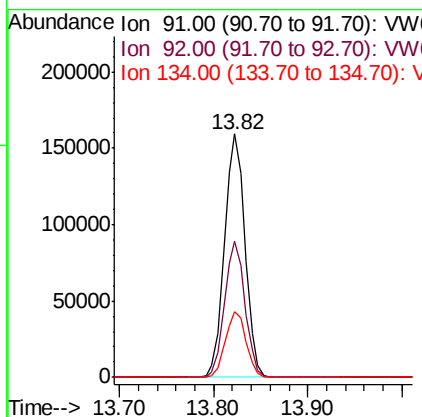
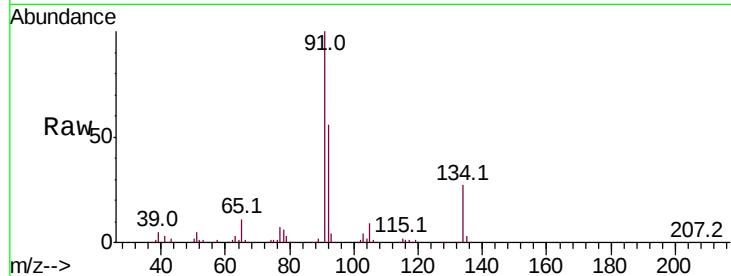




#89
n-Butylbenzene
Concen: 20.602 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW013292.D
Acq: 25 Sep 2019 11:41

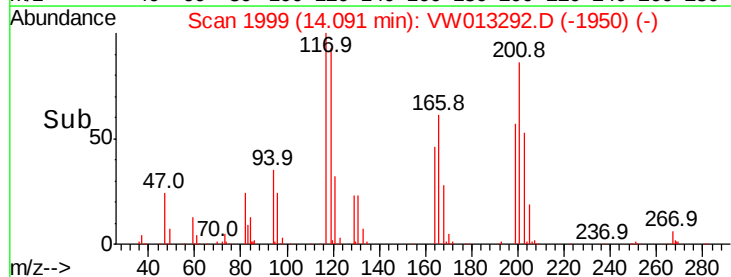
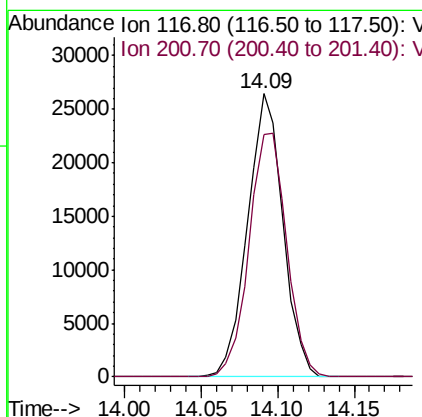
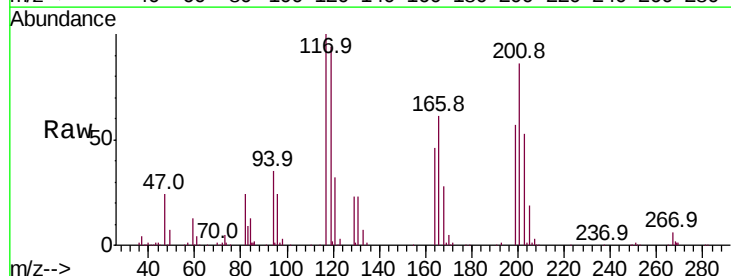
Instrument :
MSVOA_W
ClientSampleId :

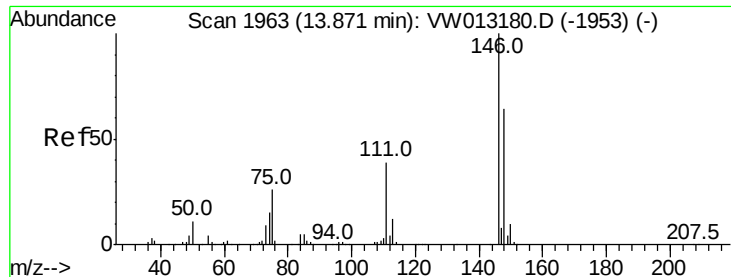
Tot Ion: 91 Resp: 240040
Ion Ratio Lower Upper
91 100
92 55.6 27.6 82.8
134 27.1 13.7 41.1



#90
Hexachloroethane
Concen: 19.833 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW013292.D
Acq: 25 Sep 2019 11:41

Tgt Ion: 117 Resp: 42513
Ion Ratio Lower Upper
117 100
201 91.5 44.5 133.5





#91

1,2-Dichlorobenzene

Concen: 21.025 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW013292.D

Acq: 25 Sep 2019 11:41

Instrument :

MSVOA_W

ClientSampled :

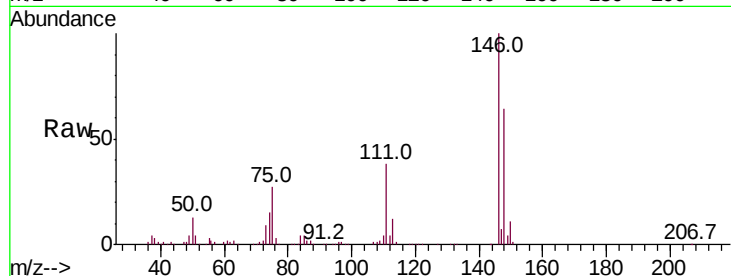
Tot Ion:146 Resp: 112193

Ion Ratio Lower Upper

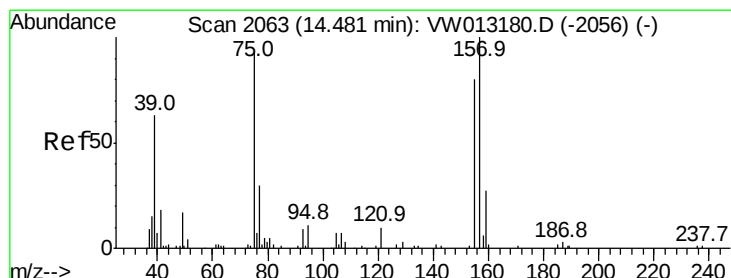
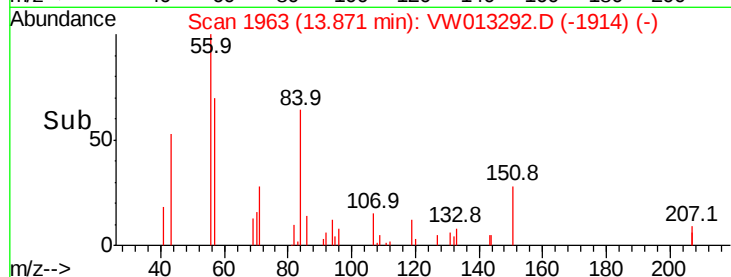
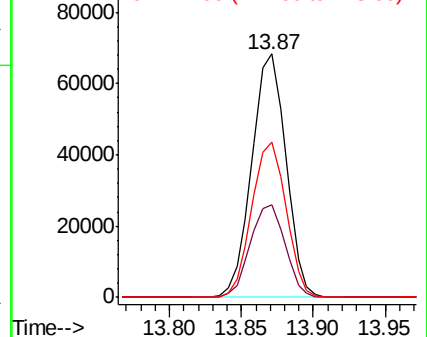
146 100

111 38.9 20.1 60.3

148 64.4 32.0 96.0



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: 25.113 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.01 min

Lab File: VW013292.D

Acq: 25 Sep 2019 11:41

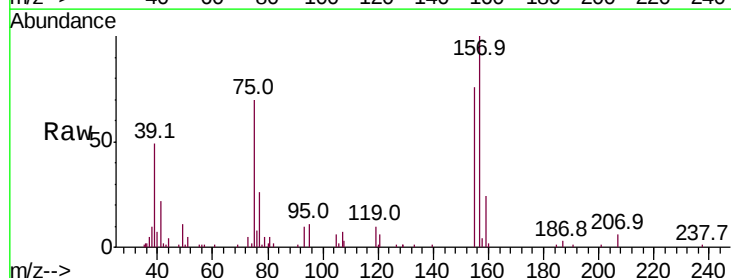
Tgt Ion: 75 Resp: 8688

Ion Ratio Lower Upper

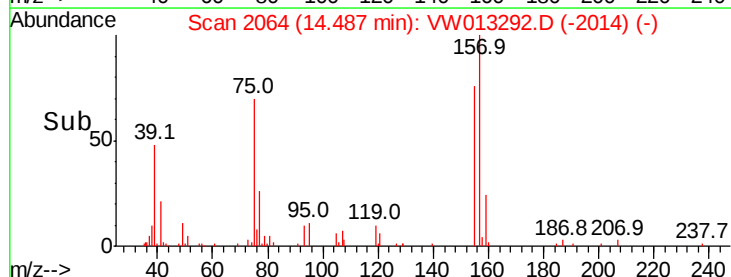
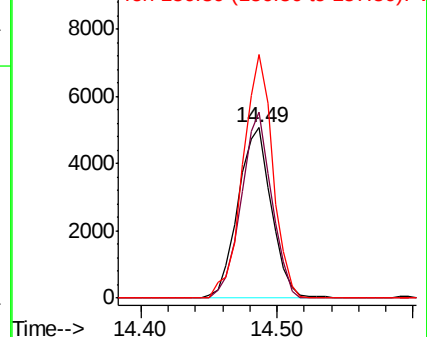
75 100

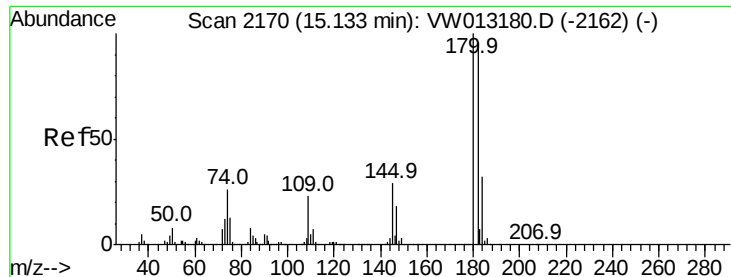
155 98.6 46.1 138.3

157 127.9 60.4 181.2



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

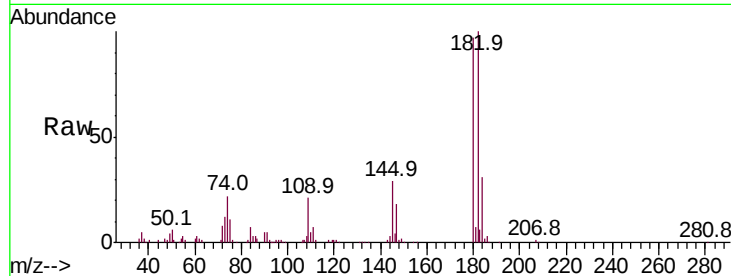




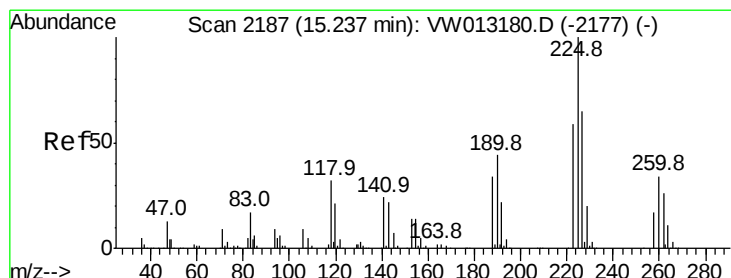
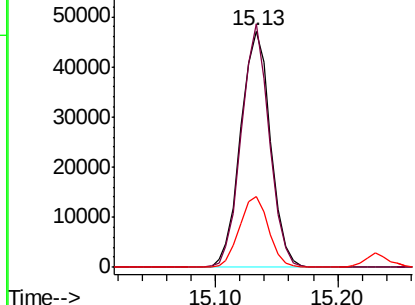
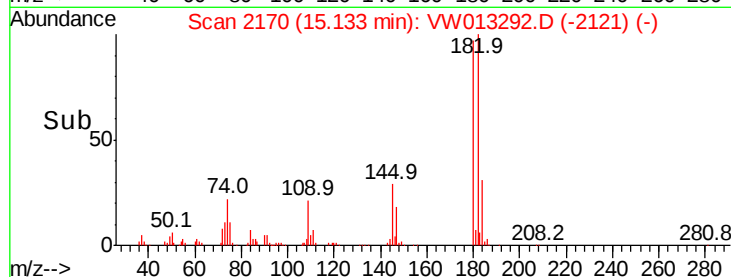
#93
 1,2,4-Trichlorobenzene
 Concen: 20.848 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013292.D
 Acq: 25 Sep 2019 11:41

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.3	142.0
145	29.1	14.2	42.8

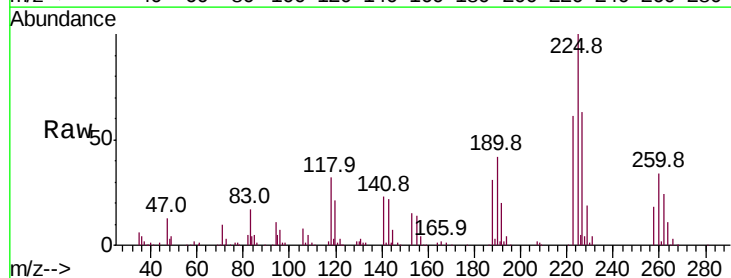


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

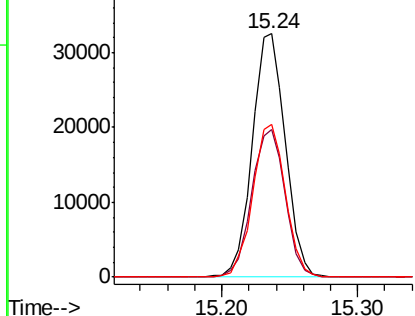
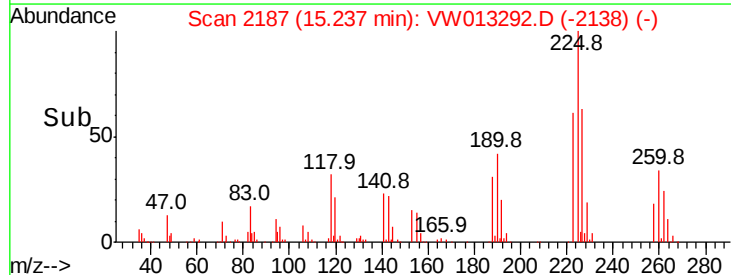


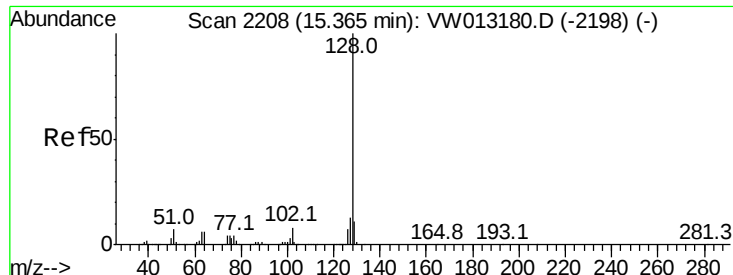
#94
 Hexachlorobutadiene
 Concen: 21.207 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW013292.D
 Acq: 25 Sep 2019 11:41

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.2	30.6	91.8
227	62.0	31.9	95.9



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

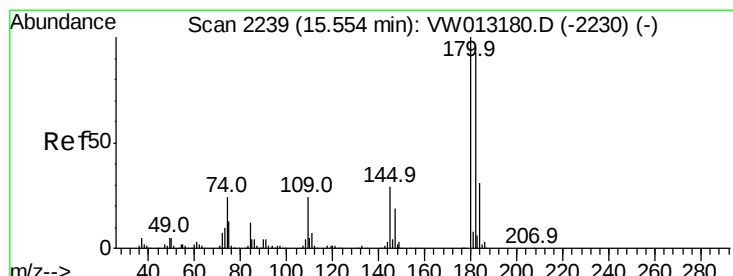
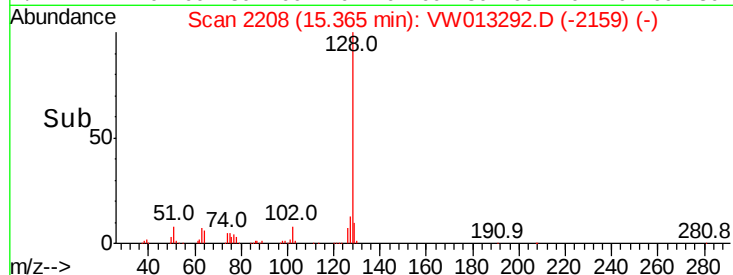
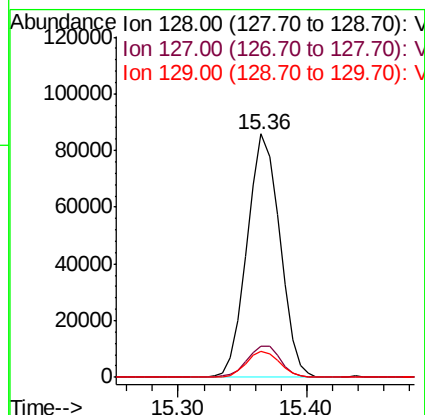
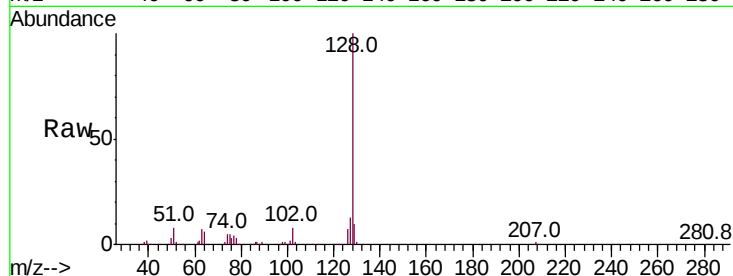




#95
Naphthalene
Concen: 24.154 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013292.D
Acq: 25 Sep 2019 11:41

Instrument :
MSVOA_W
ClientSampled :

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



#96
1,2,3-Trichlorobenzene
Concen: 21.450 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013292.D
Acq: 25 Sep 2019 11:41

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.9	143.7
145	30.3	15.0	45.0

