

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV102319\
 Data File : VW013662.D
 Acq On : 23 Oct 2019 11:49
 Operator : SY/VA
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 23 13:55:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 13:51:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	371723	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	527813	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	442968	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	225121	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	27891	9.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.22%	
35) Dibromofluoromethane	7.88	113	28946	9.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.42%	
50) Toluene-d8	10.32	98	118041	9.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.88%	
62) 4-Bromofluorobenzene	12.62	95	39658	9.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.90%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.02	85	23041	17.660	ug/l	98
3) Chloromethane	2.21	50	24688	11.624	ug/l	98
4) Vinyl Chloride	2.37	62	35702	11.267	ug/l	99
5) Bromomethane	2.79	94	23033	12.023	ug/l	94
6) Chloroethane	2.93	64	21428	11.846	ug/l	97
7) Trichlorofluoromethane	3.26	101	22317	14.338	ug/l	98
8) Diethyl Ether	3.68	74	17018	10.820	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.07	101	35645	11.407	ug/l	99
10) Methyl Iodide	4.28	142	56060	11.255	ug/l	99
11) Tert butyl alcohol	5.20	59	9673	41.454	ug/l	96
12) 1,1-Dichloroethene	4.04	96	36102	11.128	ug/l	99
13) Acrolein	3.90	56	9059	40.596	ug/l	98
14) Allyl chloride	4.67	41	54180	10.861	ug/l	99
15) Acrylonitrile	5.37	53	34840	48.396	ug/l	97
16) Acetone	4.14	43	29781	45.124	ug/l	99
17) Carbon Disulfide	4.39	76	101372	11.092	ug/l	98
18) Methyl Acetate	4.68	43	18058	9.595	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	42850	9.034	ug/l	97
20) Methylene Chloride	4.92	84	42199	11.430	ug/l	95
21) trans-1,2-Dichloroethene	5.43	96	37984	10.984	ug/l	98
22) Diisopropyl ether	6.31	45	98274	10.541	ug/l #	99
23) Vinyl Acetate	6.26	43	280221	50.329	ug/l	98
24) 1,1-Dichloroethane	6.22	63	62833	10.953	ug/l	97
25) 2-Butanone	7.18	43	44124	45.567	ug/l	99
26) 2,2-Dichloropropane	7.17	77	38953	10.773	ug/l	95
27) cis-1,2-Dichloroethene	7.17	96	40088	10.940	ug/l	97
28) Bromochloromethane	7.51	49	16327	7.974	ug/l #	98
29) Tetrahydrofuran	7.53	42	28190	47.687	ug/l	96
30) Chloroform	7.68	83	62542	11.285	ug/l	91
31) Cyclohexane	7.96	56	67652	11.189	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	49118	10.956	ug/l	100
36) 1,1-Dichloropropene	8.08	75	53287	11.100	ug/l	98
37) Ethyl Acetate	7.26	43	20456	9.635	ug/l	98
38) Carbon Tetrachloride	8.07	117	47396	11.160	ug/l	91

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	66351	10.662	ug/l	95
40) Benzene	8.32	78	148596	11.064	ug/l	99
41) Methacrylonitrile	7.48	41	13469	11.092	ug/l #	85
42) 1,2-Dichloroethane	8.40	62	37275	10.975	ug/l	99
43) Isopropyl Acetate	8.42	43	37347	9.648	ug/l	98
44) Trichloroethene	9.09	130	42151	10.999	ug/l	96
45) 1,2-Dichloropropane	9.37	63	35181	10.902	ug/l	96
46) Dibromomethane	9.46	93	17555	10.955	ug/l	95
47) Bromodichloromethane	9.65	83	42520	10.621	ug/l	99
48) Methyl methacrylate	9.43	41	18956	9.883	ug/l	99
49) 1,4-Dioxane	9.47	88	5469	200.538	ug/l #	99
51) 4-Methyl-2-Pentanone	10.21	43	96095	47.554	ug/l	99
52) Toluene	10.38	92	94181	10.882	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	42226	10.179	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	53511	10.615	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	25427	10.602	ug/l	98
56) Ethyl methacrylate	10.65	69	30232	9.479	ug/l	97
57) 1,3-Dichloropropane	10.93	76	42209	10.235	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.93	63	67063	44.718	ug/l	99
59) 2-Hexanone	10.97	43	62880	45.487	ug/l	99
60) Dibromochloromethane	11.13	129	29666	10.748	ug/l	95
61) 1,2-Dibromoethane	11.24	107	23867	10.456	ug/l	100
64) Tetrachloroethene	10.86	164	37393	11.393	ug/l	97
65) Chlorobenzene	11.66	112	97816	11.052	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	33167	10.762	ug/l	99
67) Ethyl Benzene	11.73	91	175446	10.835	ug/l	97
68) m/p-Xylenes	11.84	106	134304	21.803	ug/l	98
69) o-Xylene	12.16	106	61744	10.829	ug/l	98
70) Styrene	12.18	104	105030	10.735	ug/l	99
71) Bromoform	12.35	173	17610	10.505	ug/l #	93
73) Isopropylbenzene	12.46	105	170998	10.583	ug/l	100
74) N-amyl acetate	12.27	43	31830	9.174	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	27967	10.277	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	34921	18.881	ug/l #	100
77) Bromobenzene	12.74	156	41028	10.678	ug/l	99
78) n-propylbenzene	12.80	91	201712	10.791	ug/l	99
79) 2-Chlorotoluene	12.89	91	111789	10.655	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	148198	10.985	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	8815	9.712	ug/l	95
82) 4-Chlorotoluene	12.99	91	118797	10.884	ug/l	97
83) tert-Butylbenzene	13.21	119	127876	10.674	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	143618	10.764	ug/l	100
85) sec-Butylbenzene	13.38	105	178080	10.799	ug/l	100
86) p-Isopropyltoluene	13.50	119	164624	10.838	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	78663	10.769	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	79872	11.158	ug/l	98
89) n-Butylbenzene	13.82	91	146755	10.700	ug/l	100
90) Hexachloroethane	14.09	117	27650	10.568	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	70161	10.913	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	4331	10.046	ug/l	97

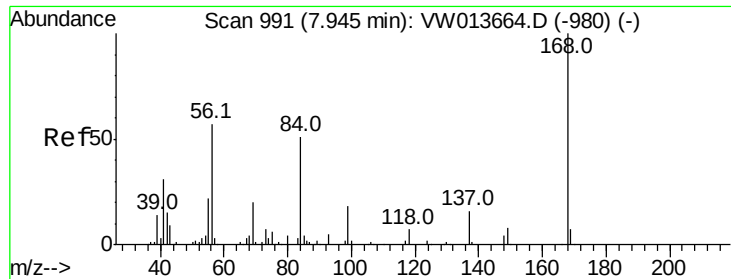
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	48740	10.672	ug/l	99
94) Hexachlorobutadiene	15.24	225	33724	11.116	ug/l	98
95) Naphthalene	15.36	128	73466	9.405	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	41402	10.362	ug/l	100

(#) = 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: VW013662.D

Acq: 23 Oct 2019 11:49

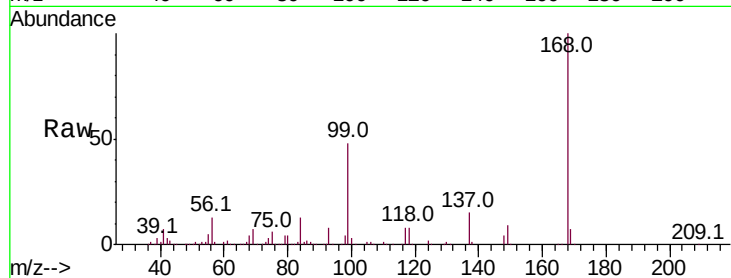
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 371723

Ion Ratio Lower Upper

168 100

99 48.0 39.0 58.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

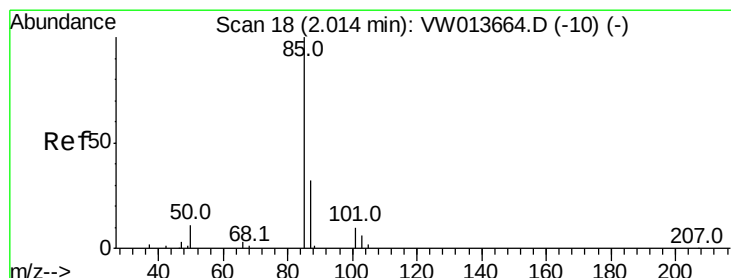
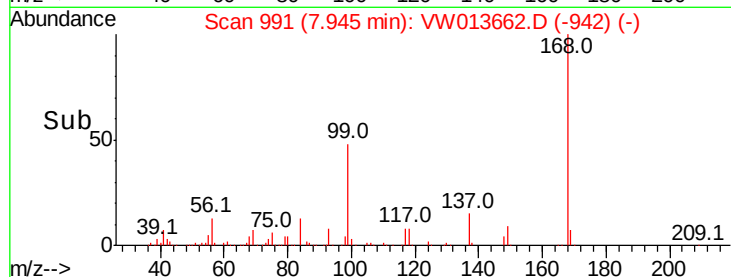
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 17.660 ug/l

RT: 2.02 min Scan# 19

Delta R.T. 0.01 min

Lab File: VW013662.D

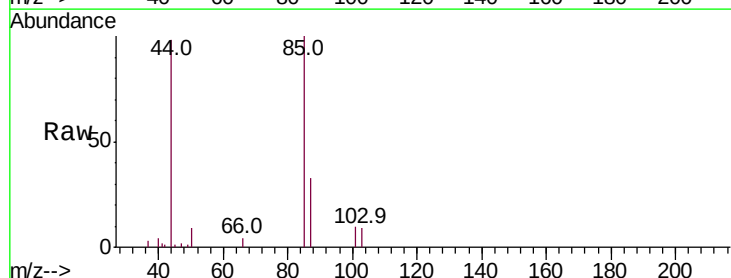
Acq: 23 Oct 2019 11:49

Tgt Ion: 85 Resp: 23041

Ion Ratio Lower Upper

85 100

87 32.9 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.02

8000

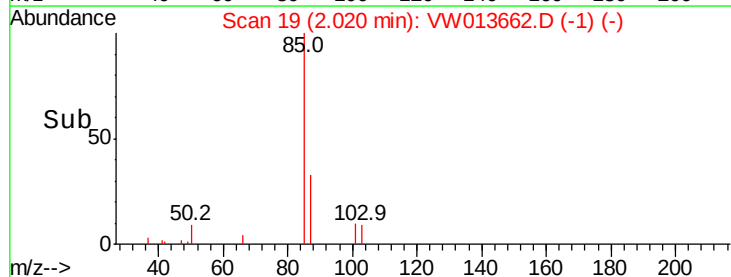
6000

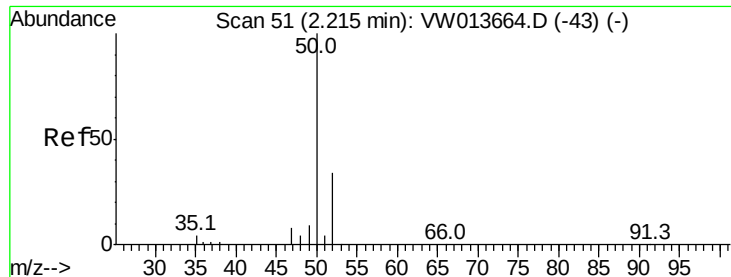
4000

2000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 11.624 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW013662.D

Acq: 23 Oct 2019 11:49

Instrument :

MSVOA_W

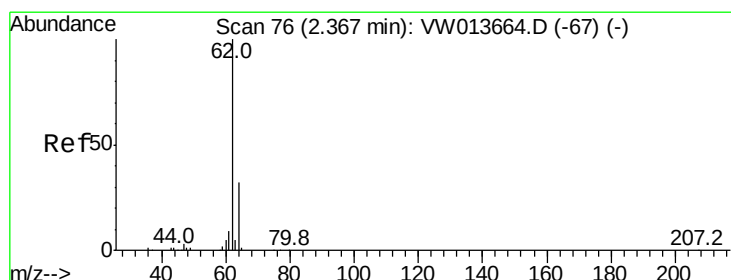
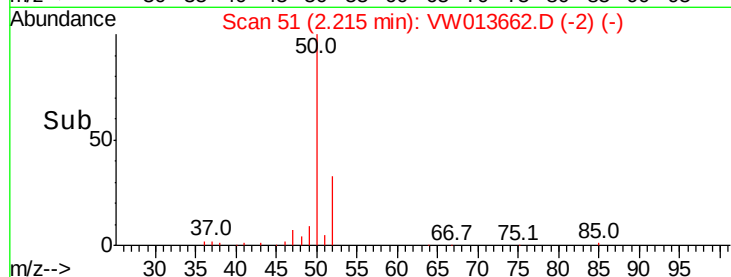
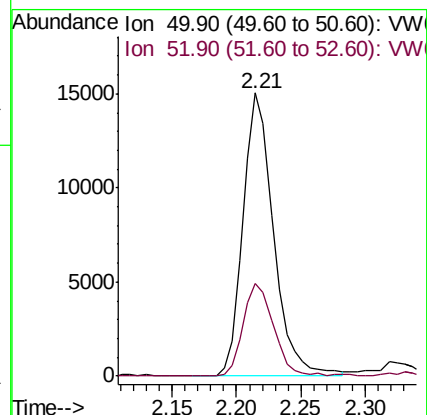
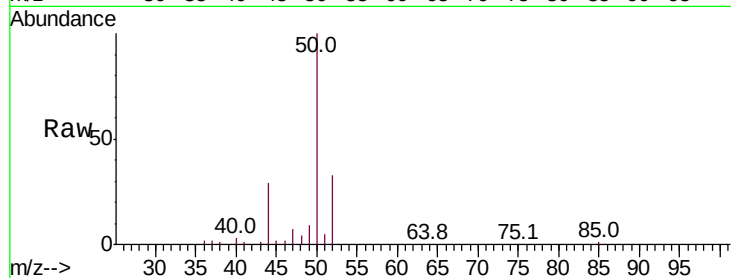
ClientSampleId :

Tot Ion: 50 Resp: 24688

Ion Ratio Lower Upper

50 100

52 32.7 26.9 40.3



#4

Vinyl Chloride

Concen: 11.267 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW013662.D

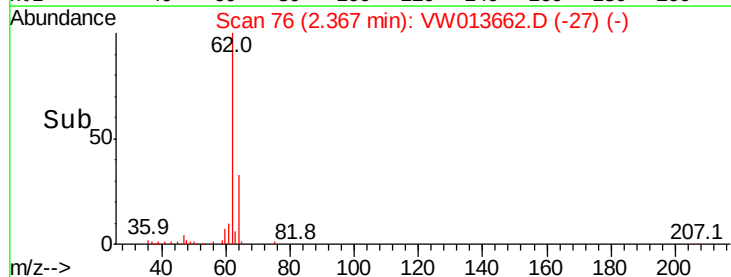
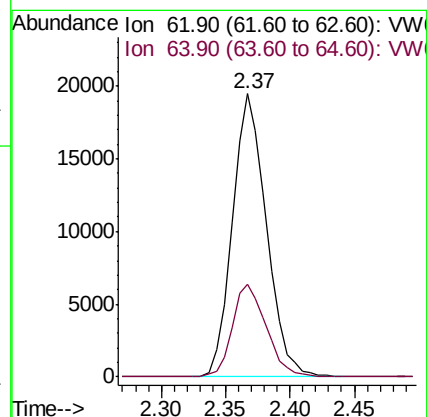
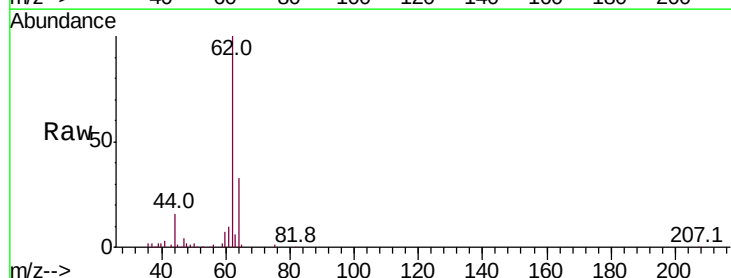
Acq: 23 Oct 2019 11:49

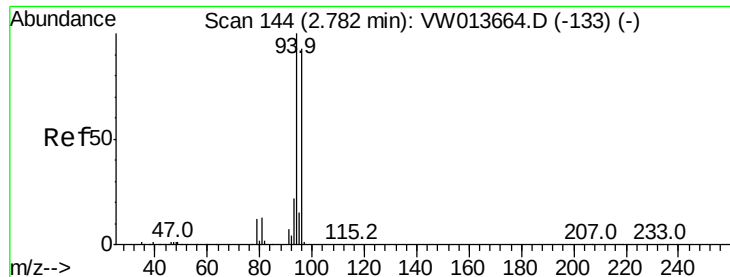
Tgt Ion: 62 Resp: 35702

Ion Ratio Lower Upper

62 100

64 32.5 25.5 38.3





#5

Bromomethane

Concen: 12.023 ug/l

RT: 2.79 min Scan# 145

Delta R.T. 0.01 min

Lab File: VW013662.D

Acq: 23 Oct 2019 11:49

Instrument :

MSVOA_W

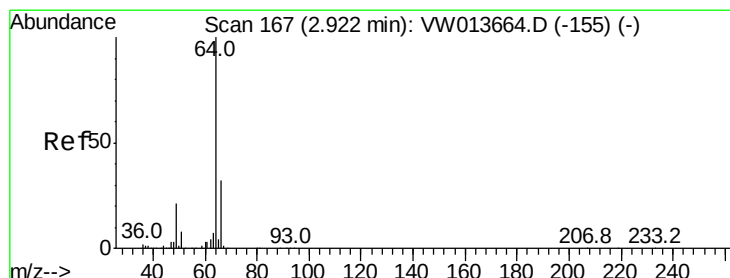
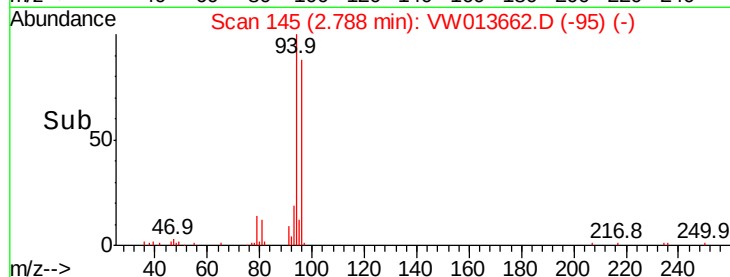
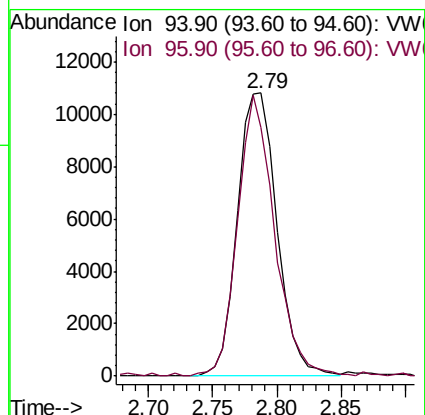
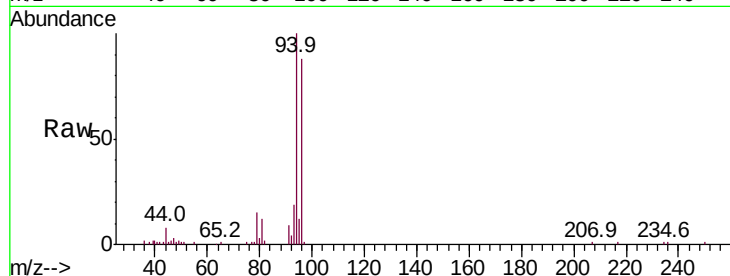
ClientSampleId :

Tot Ion: 94 Resp: 23033

Ion Ratio Lower Upper

94 100

96 87.9 74.6 112.0



#6

Chloroethane

Concen: 11.846 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.01 min

Lab File: VW013662.D

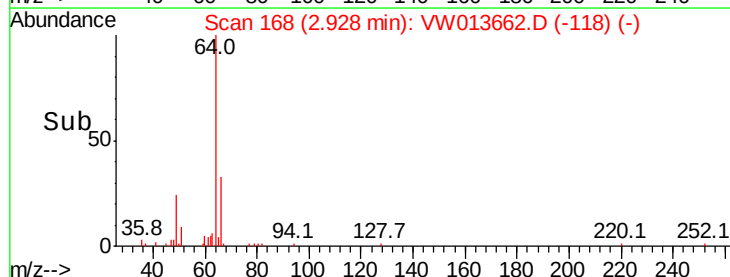
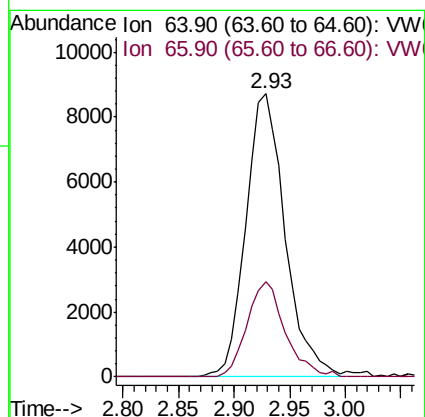
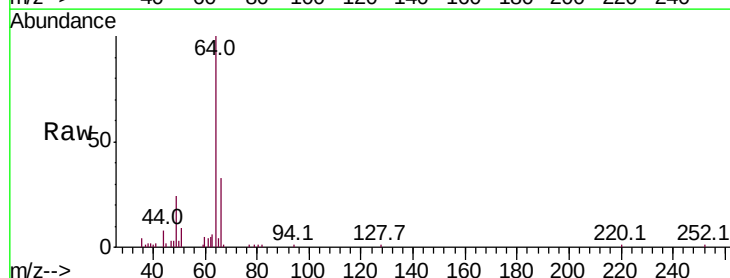
Acq: 23 Oct 2019 11:49

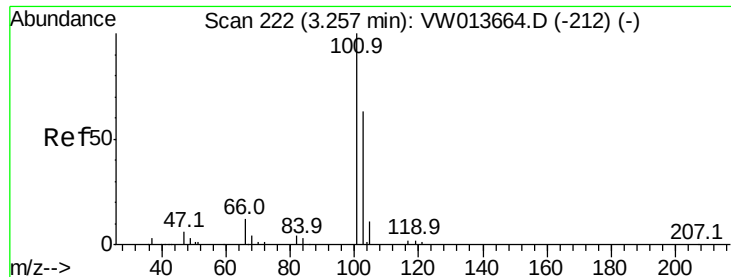
Tgt Ion: 64 Resp: 21428

Ion Ratio Lower Upper

64 100

66 33.5 25.4 38.0



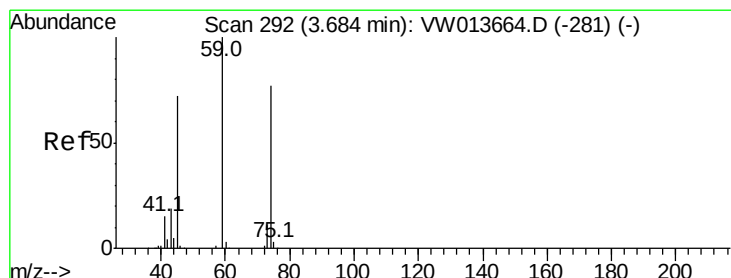
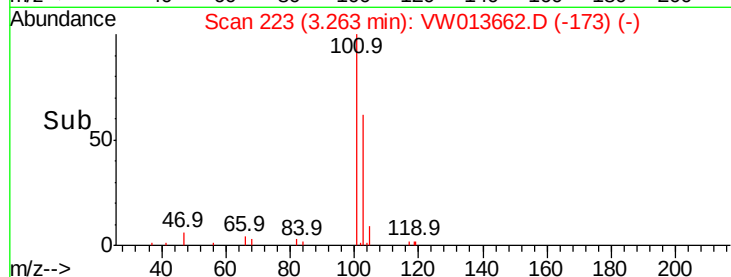
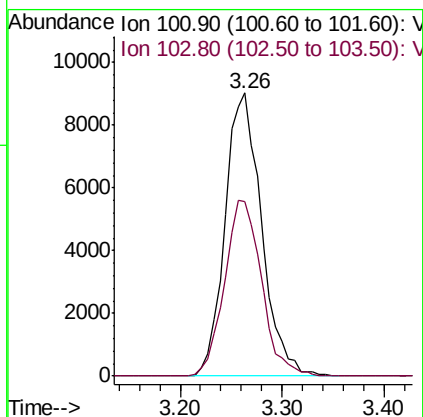
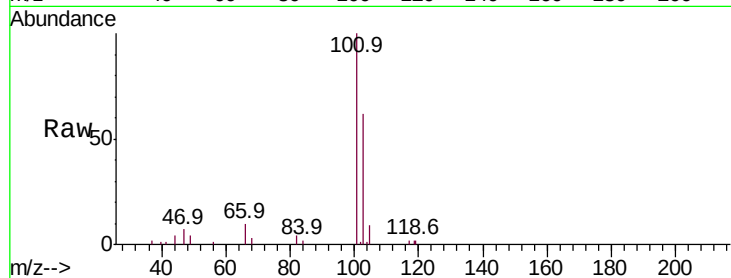


#7

Trichlorofluoromethane
Concen: 14.338 ug/l
RT: 3.26 min Scan# 223
Delta R.T. 0.01 min
Lab File: VW013662.D
Acq: 23 Oct 2019 11:49

Instrument :
MSVOA_W
ClientSampled :

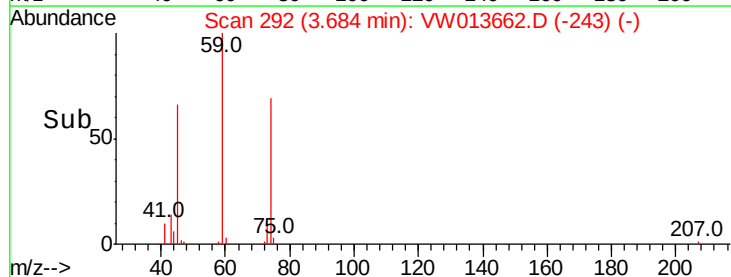
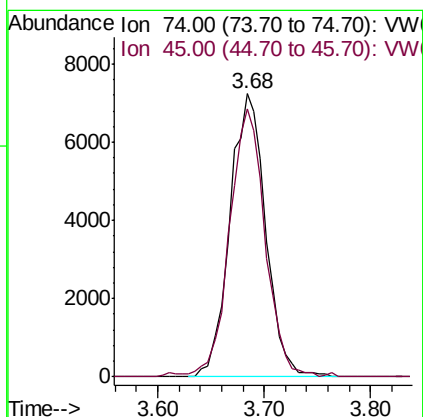
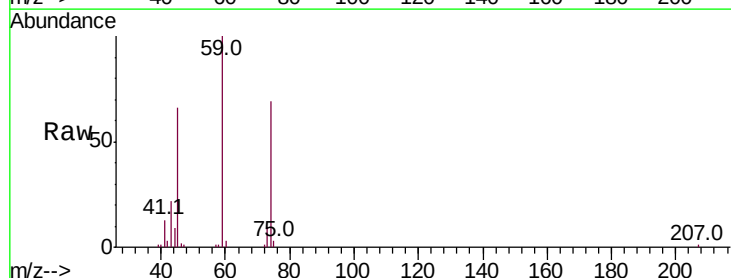
Tot Ion:101 Resp: 22317
Ion Ratio Lower Upper
101 100
103 61.7 50.6 76.0

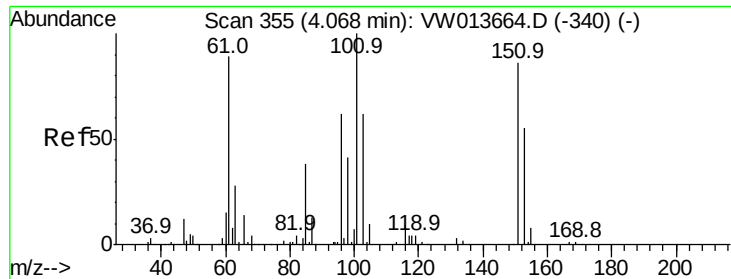


#8

Diethyl Ether
Concen: 10.820 ug/l
RT: 3.68 min Scan# 292
Delta R.T. -0.00 min
Lab File: VW013662.D
Acq: 23 Oct 2019 11:49

Tgt Ion: 74 Resp: 17018
Ion Ratio Lower Upper
74 100
45 94.4 47.9 143.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 11.407 ug/l

RT: 4.07 min Scan# 356

Delta R.T. 0.01 min

Lab File: VW013662.D

Acq: 23 Oct 2019 11:49

Instrument :

MSVOA_W

ClientSampleId :

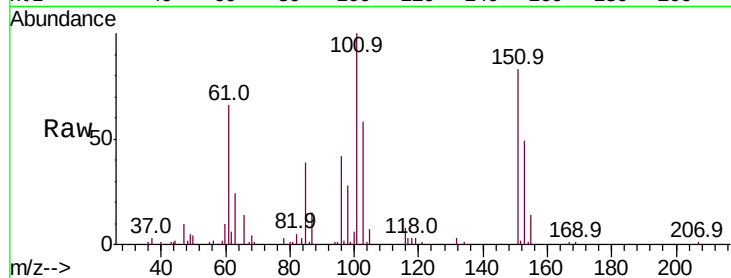
Tot Ion:101 Resp: 35645

Ion Ratio Lower Upper

101 100

85 39.6 31.0 46.6

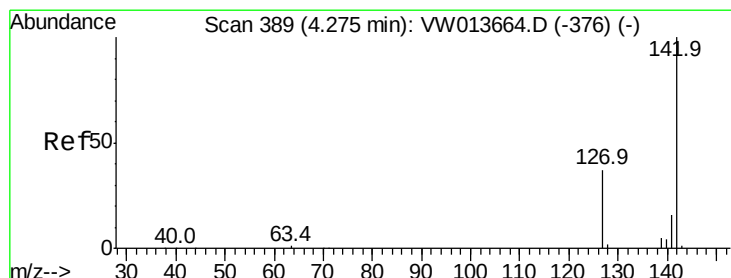
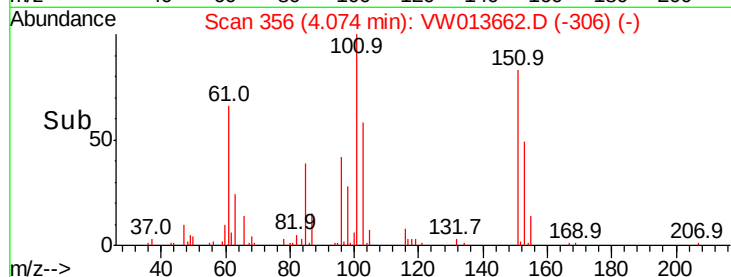
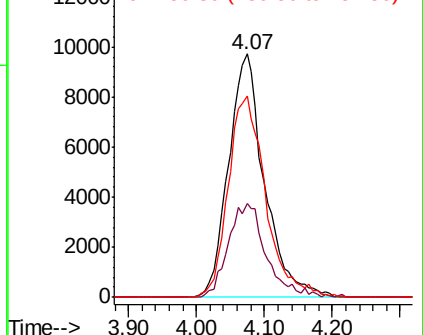
151 85.9 68.2 102.4



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: 11.255 ug/l

RT: 4.28 min Scan# 390

Delta R.T. 0.01 min

Lab File: VW013662.D

Acq: 23 Oct 2019 11:49

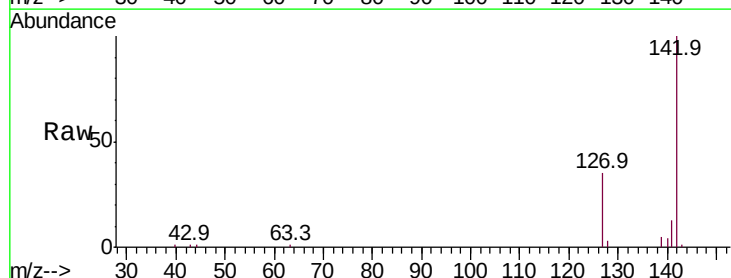
Tgt Ion:142 Resp: 56060

Ion Ratio Lower Upper

142 100

127 37.7 30.3 45.5

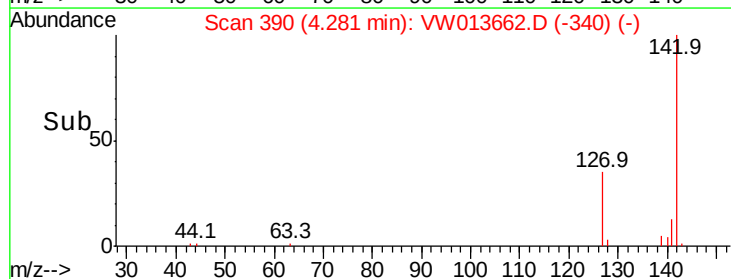
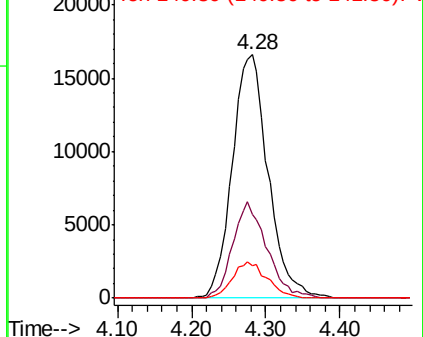
141 14.3 11.8 17.8

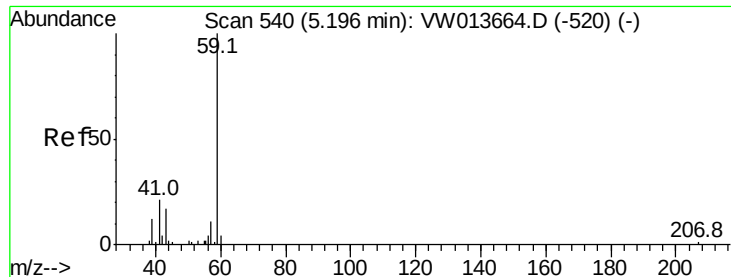


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

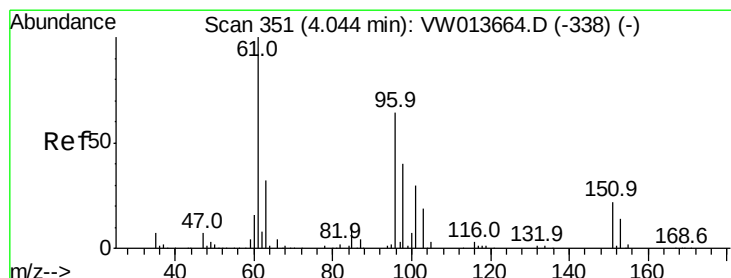
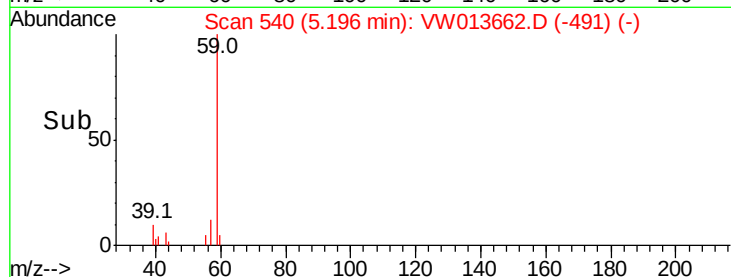
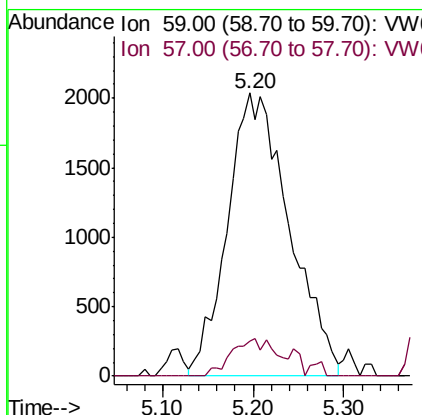
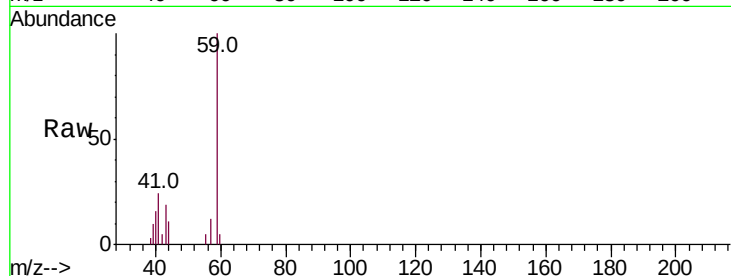




#11
Tert butyl alcohol
Concen: 41.454 ug/l
RT: 5.20 min Scan# 540
Delta R.T. -0.00 min
Lab File: VW013662.D
Acq: 23 Oct 2019 11:49

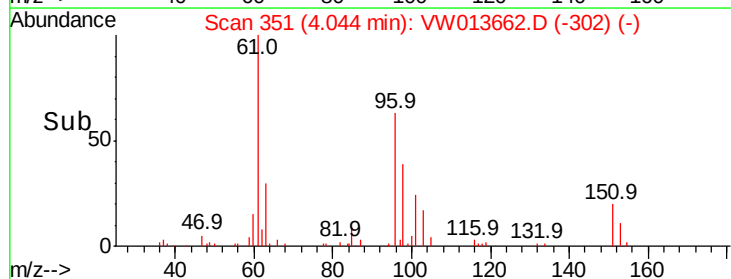
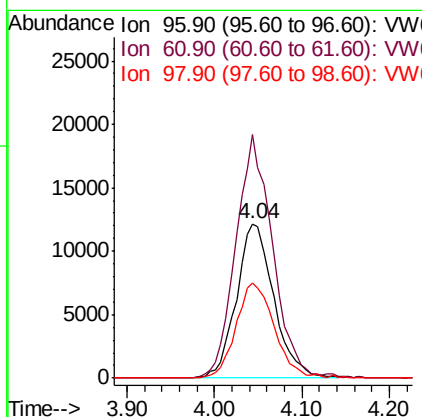
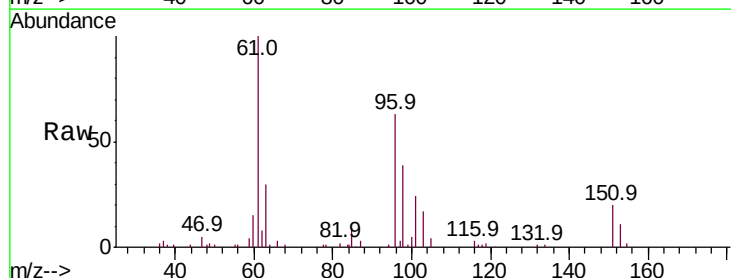
Instrument :
MSVOA_W
ClientSampleId :

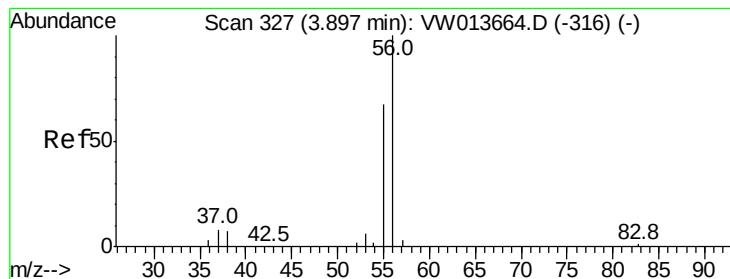
Tot Ion: 59 Resp: 9673
Ion Ratio Lower Upper
59 100
57 9.5 8.8 13.2



#12
1,1-Dichloroethene
Concen: 11.128 ug/l
RT: 4.04 min Scan# 351
Delta R.T. -0.00 min
Lab File: VW013662.D
Acq: 23 Oct 2019 11:49

Tgt Ion: 96 Resp: 36102
Ion Ratio Lower Upper
96 100
61 157.9 125.0 187.6
98 61.7 50.3 75.5





#13

Acrolein

Concen: 40.596 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.00 min

Lab File: VW013662.D

Acq: 23 Oct 2019 11:49

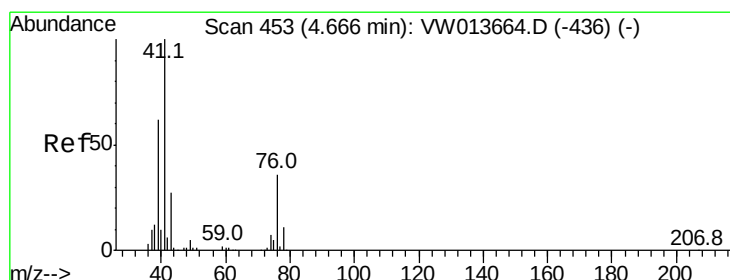
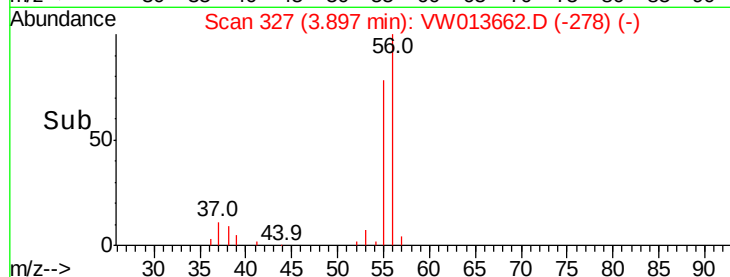
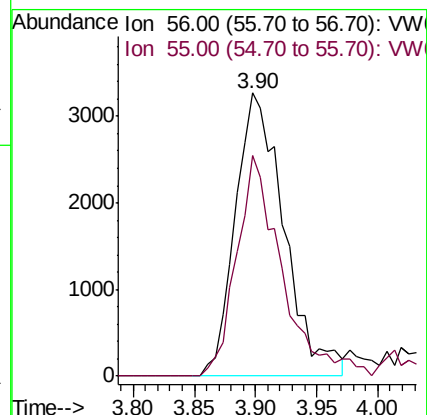
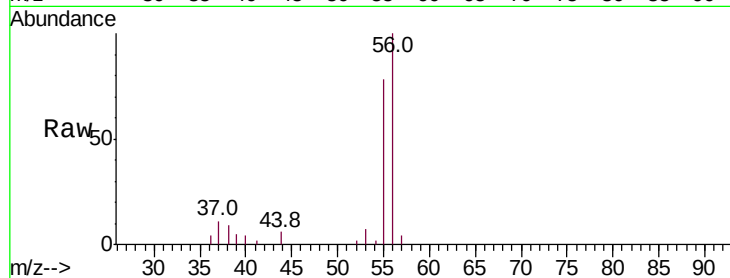
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 9059

Ion Ratio Lower Upper

56 100

55 72.0 56.1 84.1



#14

Allyl chloride

Concen: 10.861 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW013662.D

Acq: 23 Oct 2019 11:49

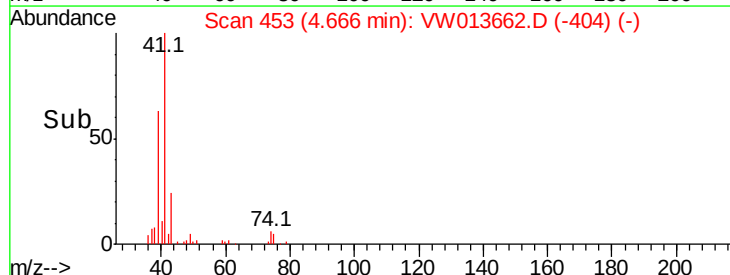
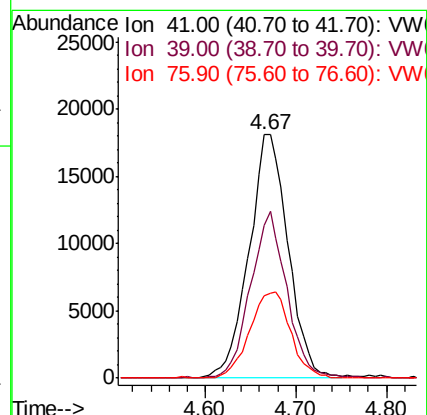
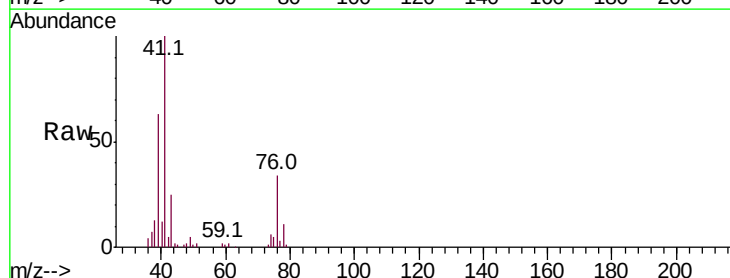
Tgt Ion: 41 Resp: 54180

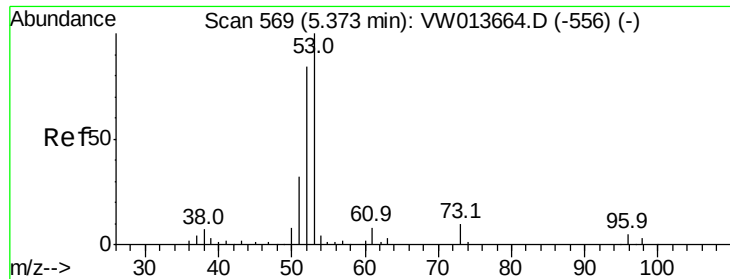
Ion Ratio Lower Upper

41 100

39 63.4 50.0 75.0

76 36.7 29.6 44.4





#15

Acrylonitrile

Concen: 48.396 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.00 min

Lab File: VW013662.D

Acq: 23 Oct 2019 11:49

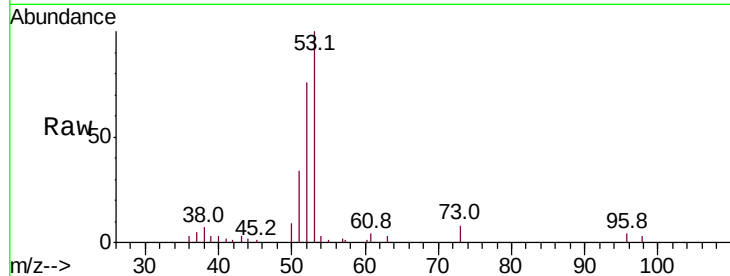
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 53 Resp: 34840

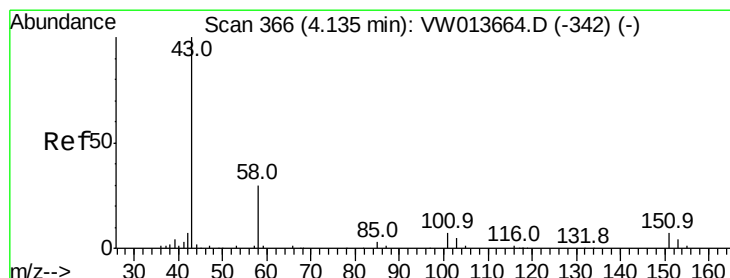
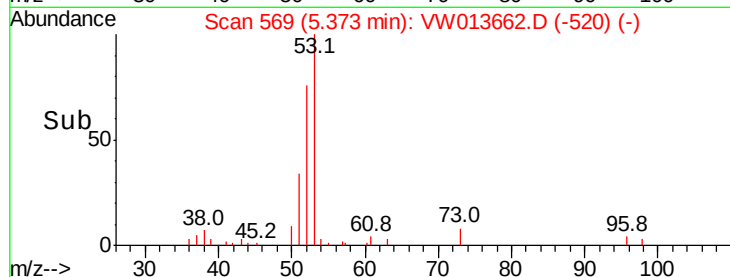
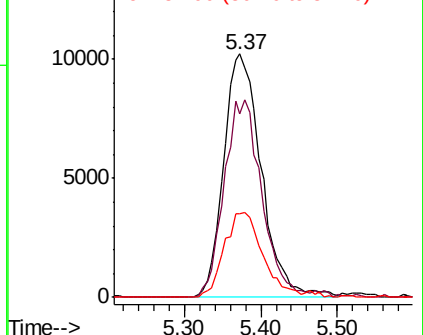
Ion	Ratio	Lower	Upper
53	100		
52	80.9	67.4	101.0
51	35.7	29.1	43.7



Abundance Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 45.124 ug/l

RT: 4.14 min Scan# 367

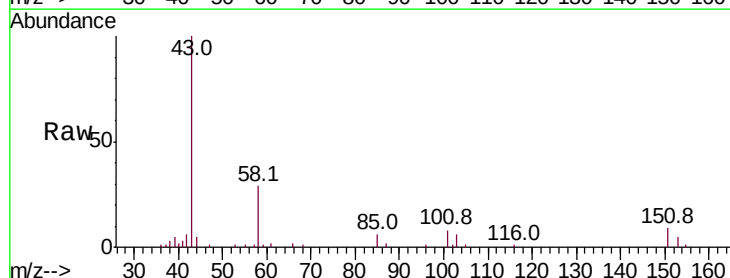
Delta R.T. 0.01 min

Lab File: VW013662.D

Acq: 23 Oct 2019 11:49

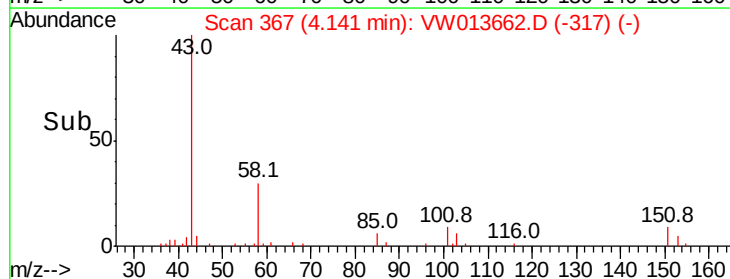
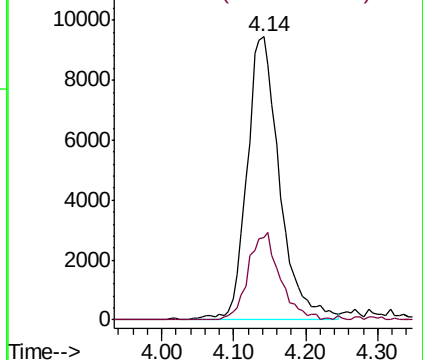
Tgt Ion: 43 Resp: 29781

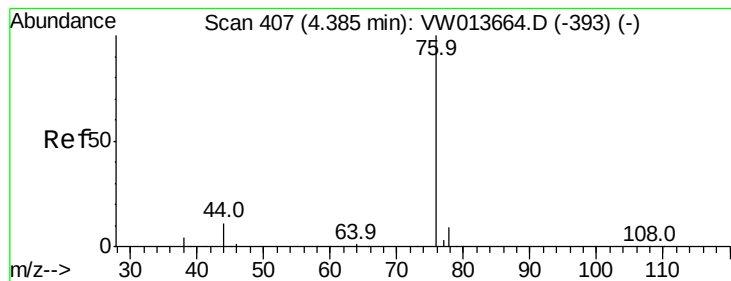
Ion	Ratio	Lower	Upper
43	100		
58	29.3	24.1	36.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 11.092 ug/l

RT: 4.39 min Scan# 408

Delta R.T. 0.01 min

Lab File: VW013662.D

Acq: 23 Oct 2019 11:49

Instrument :

MSVOA_W

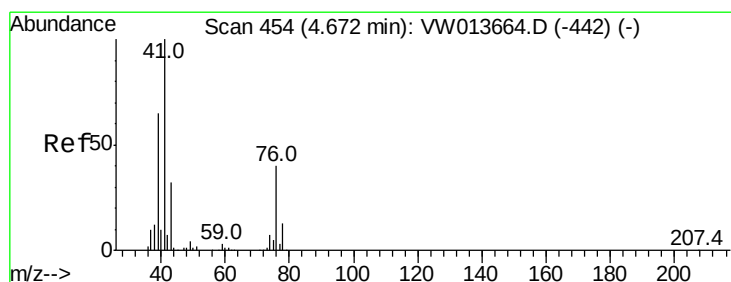
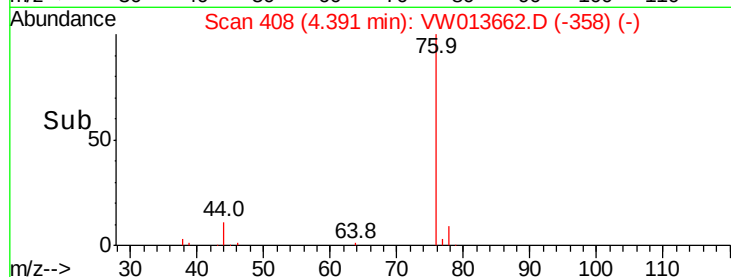
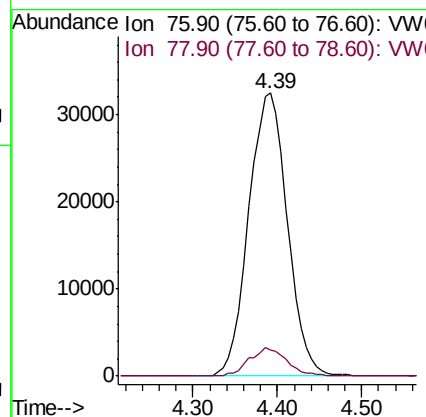
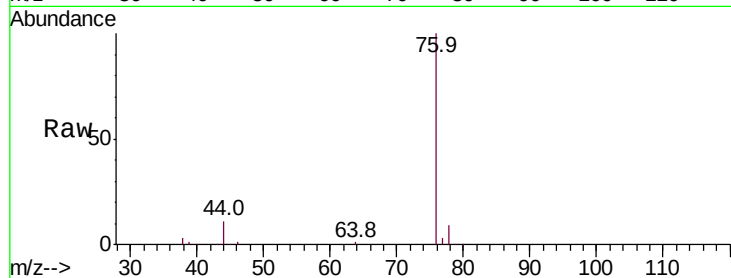
ClientSampleId :

Tot Ion: 76 Resp: 101372

Ion Ratio Lower Upper

76 100

78 9.4 7.0 10.6



#18

Methyl Acetate

Concen: 9.595 ug/l

RT: 4.68 min Scan# 456

Delta R.T. 0.01 min

Lab File: VW013662.D

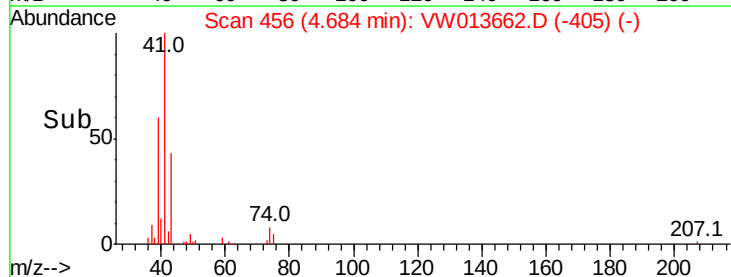
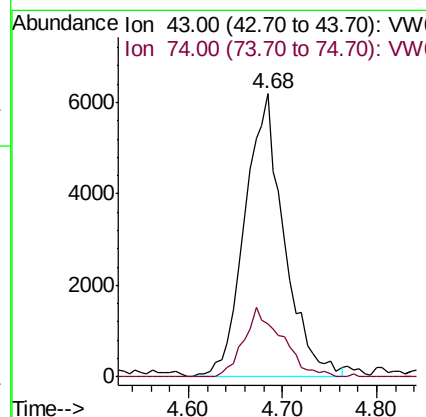
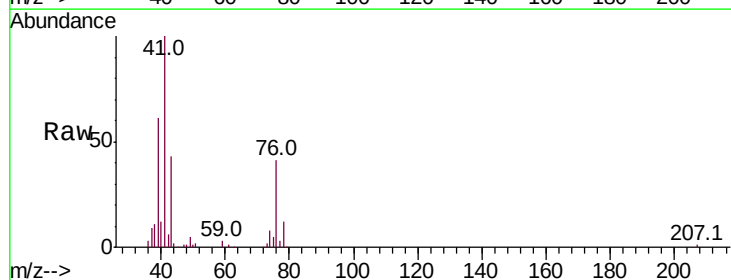
Acq: 23 Oct 2019 11:49

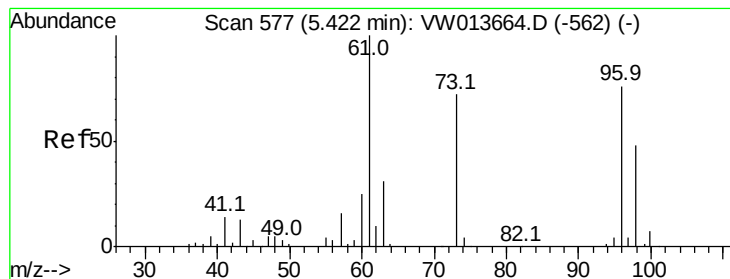
Tgt Ion: 43 Resp: 18058

Ion Ratio Lower Upper

43 100

74 23.9 19.8 29.8



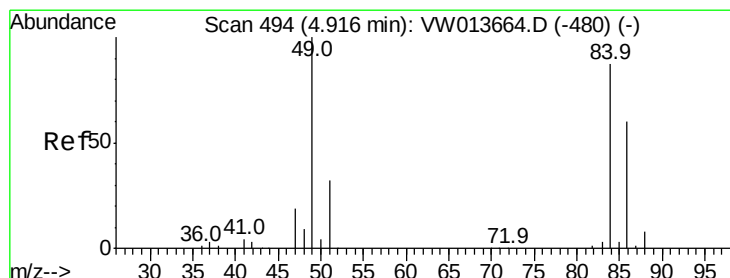
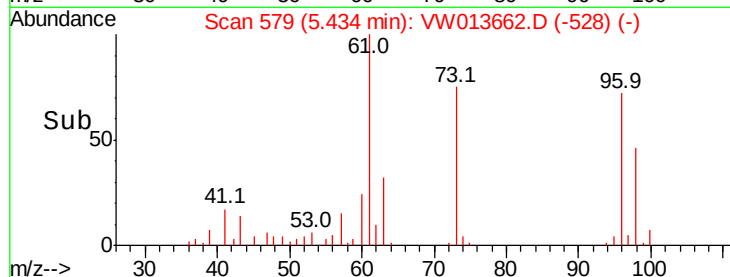
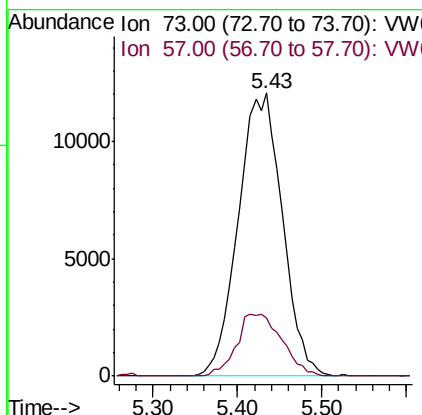
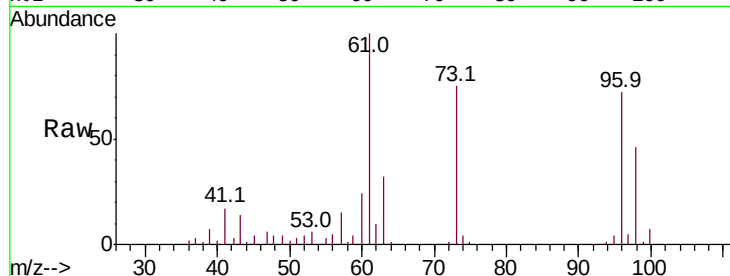


#19

Methyl tert-butyl Ether
 Concen: 9.034 ug/l
 RT: 5.43 min Scan# 579
 Delta R.T. 0.01 min
 Lab File: VW013662.D
 Acq: 23 Oct 2019 11:49

Instrument :
 MSVOA_W
 ClientSampled :

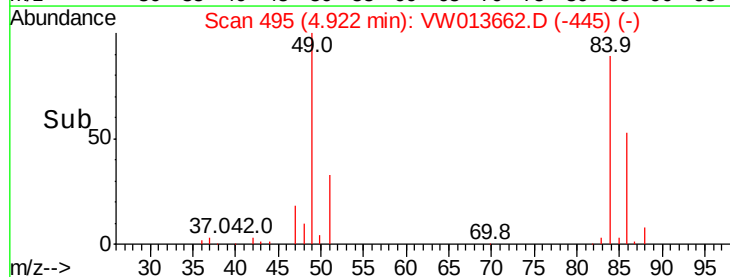
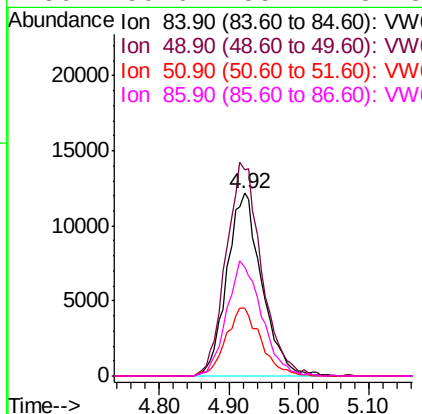
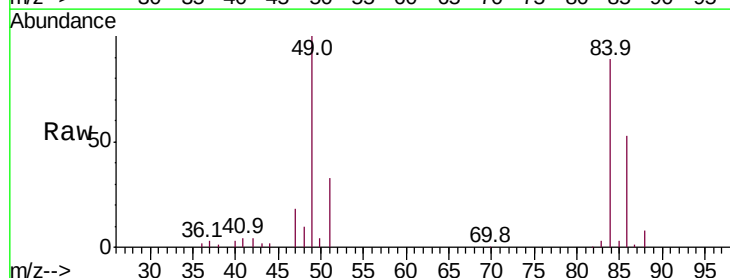
Tot Ion: 73 Resp: 42850
 Ion Ratio Lower Upper
 73 100
 57 20.4 17.6 26.4

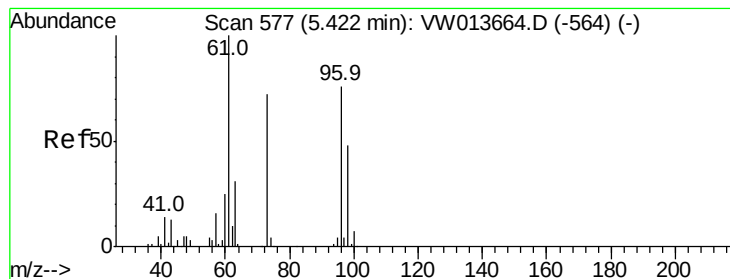


#20

Methylene Chloride
 Concen: 11.430 ug/l
 RT: 4.92 min Scan# 495
 Delta R.T. 0.01 min
 Lab File: VW013662.D
 Acq: 23 Oct 2019 11:49

Tgt Ion: 84 Resp: 42199
 Ion Ratio Lower Upper
 84 100
 49 112.5 91.8 137.6
 51 36.8 29.8 44.6
 86 59.6 55.2 82.8





#21

trans-1,2-Dichloroethene

Concen: 10.984 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.01 min

Lab File: VW013662.D

Acq: 23 Oct 2019 11:49

Instrument :
MSVOA_W
ClientSampleId :

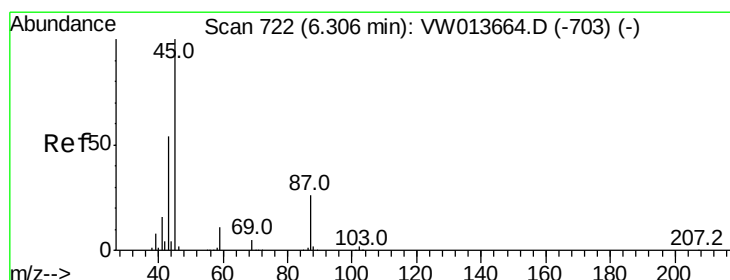
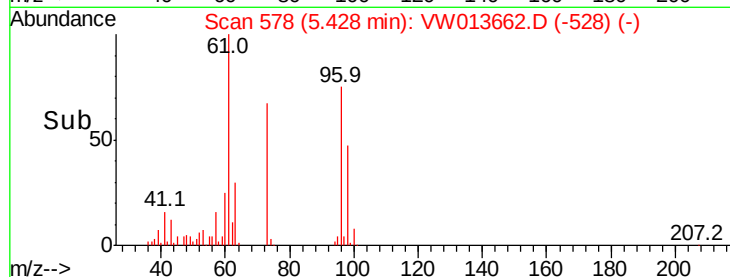
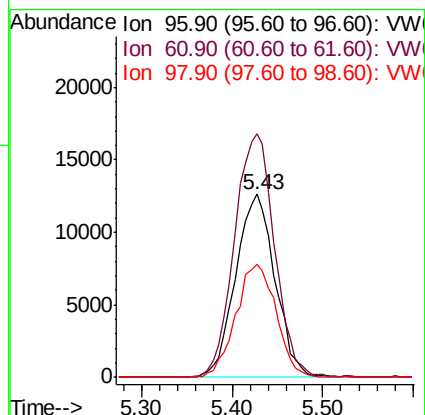
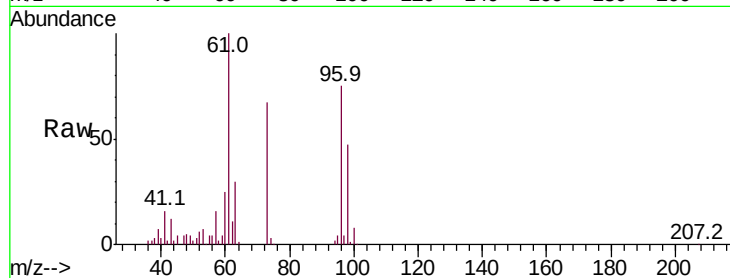
Tot Ion: 96 Resp: 37984

Ion Ratio Lower Upper

96 100

61 132.8 104.8 157.2

98 61.9 50.6 76.0



#22

Diisopropyl ether

Concen: 10.541 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.01 min

Lab File: VW013662.D

Acq: 23 Oct 2019 11:49

Tgt Ion: 45 Resp: 98274

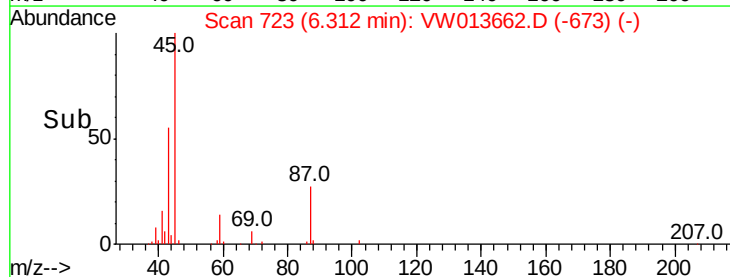
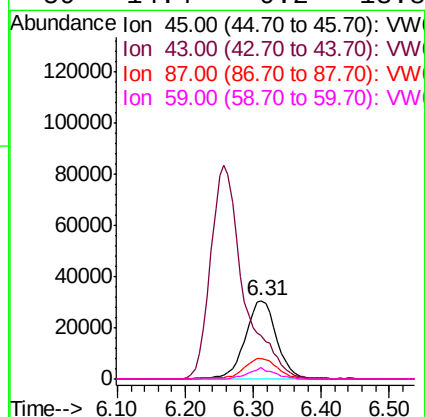
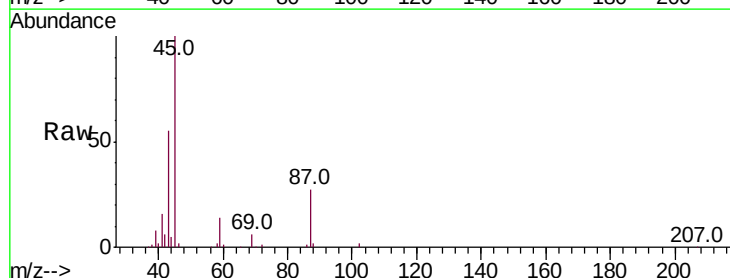
Ion Ratio Lower Upper

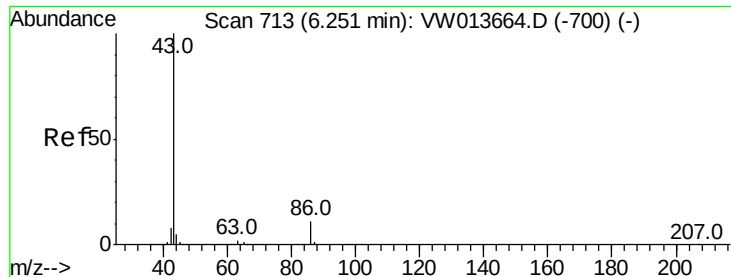
45 100

43 54.0 43.4 65.2

87 26.9 21.5 32.3

59 14.4 9.2 13.8#





#23

Vinyl Acetate

Concen: 50.329 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.01 min

Lab File: VW013662.D

Acq: 23 Oct 2019 11:49

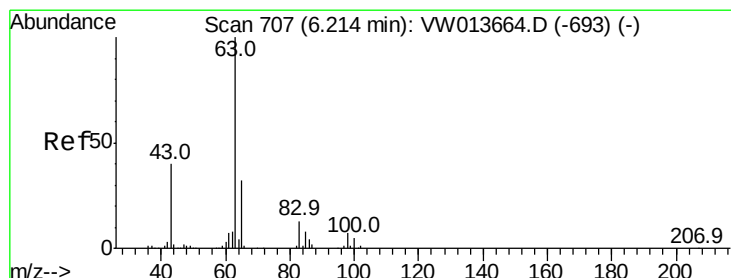
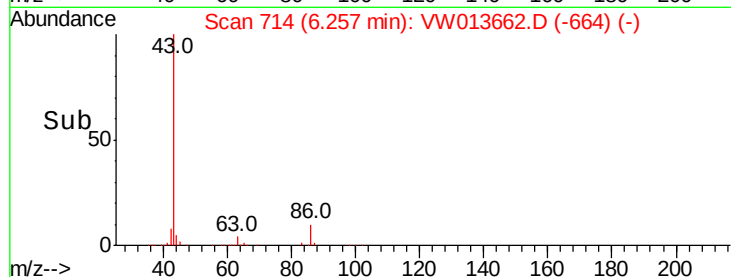
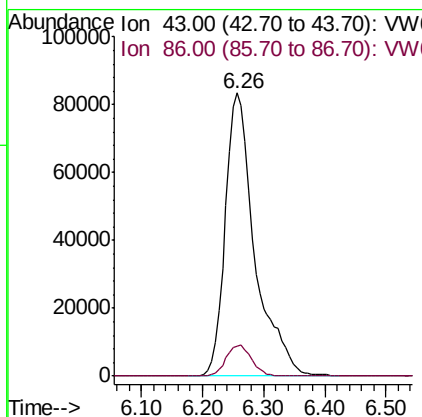
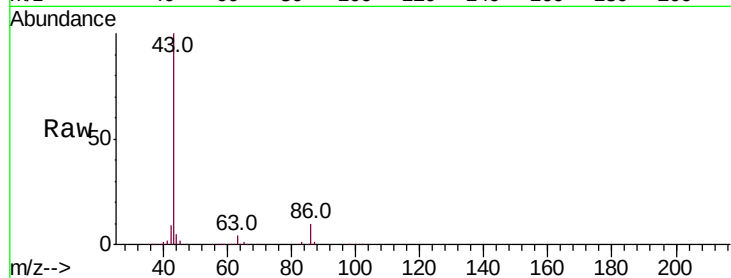
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 280221

Ion Ratio Lower Upper

43 100

86 10.4 9.0 13.6



#24

1,1-Dichloroethane

Concen: 10.953 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW013662.D

Acq: 23 Oct 2019 11:49

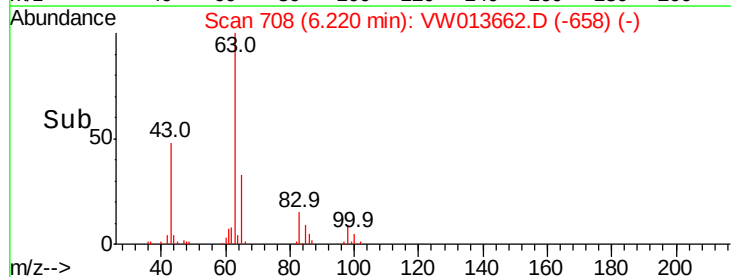
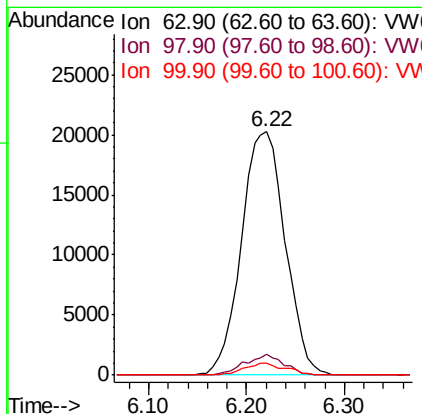
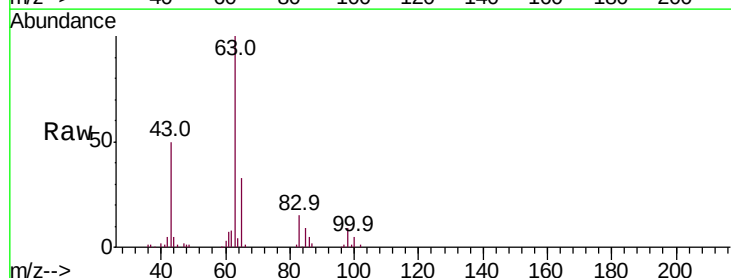
Tgt Ion: 63 Resp: 62833

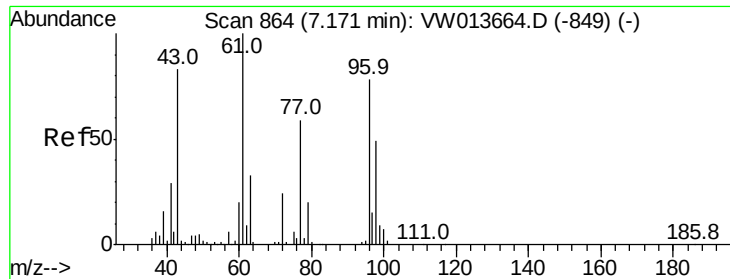
Ion Ratio Lower Upper

63 100

98 8.8 3.6 10.9

100 4.8 2.5 7.4





#25

2-Butanone

Concen: 45.567 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW013662.D

Acq: 23 Oct 2019 11:49

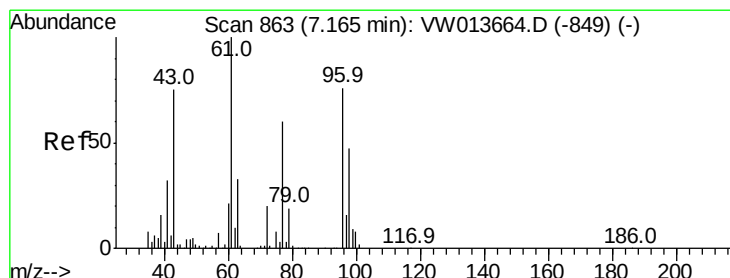
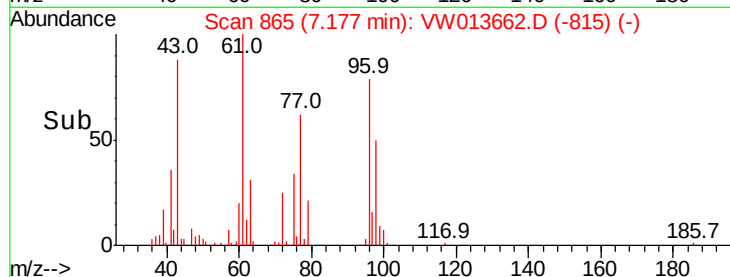
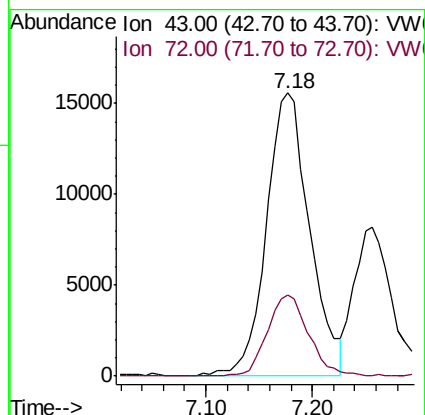
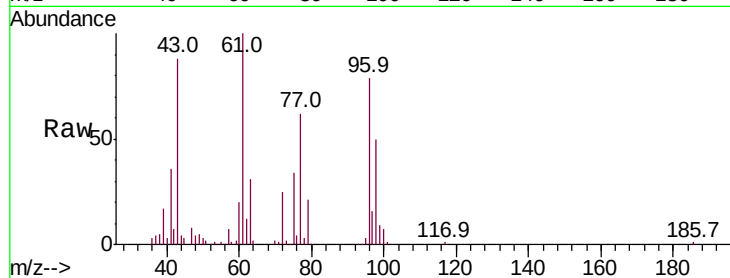
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 44124

Ion Ratio Lower Upper

43 100

72 28.7 23.6 35.4



#26

2,2-Dichloropropane

Concen: 10.773 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW013662.D

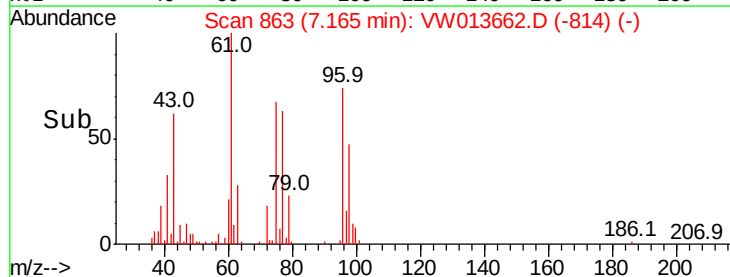
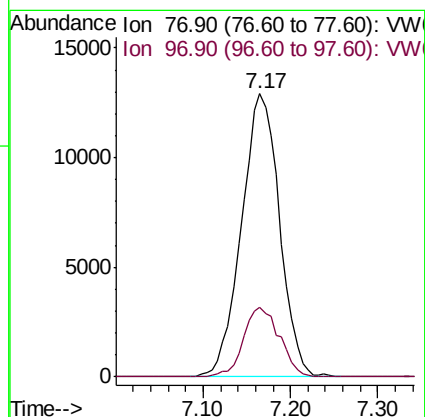
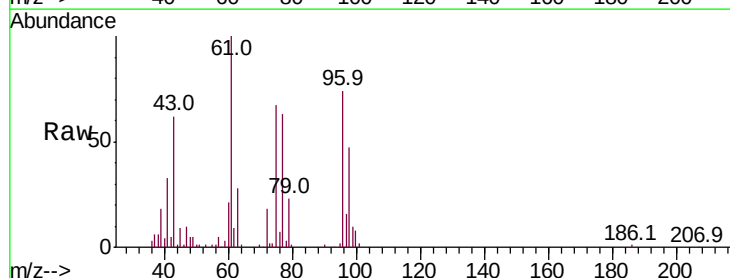
Acq: 23 Oct 2019 11:49

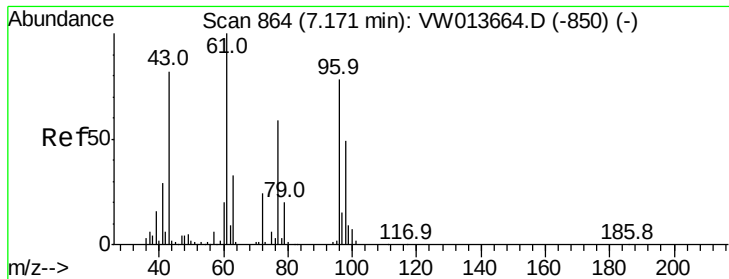
Tgt Ion: 77 Resp: 38953

Ion Ratio Lower Upper

77 100

97 23.2 12.8 38.4



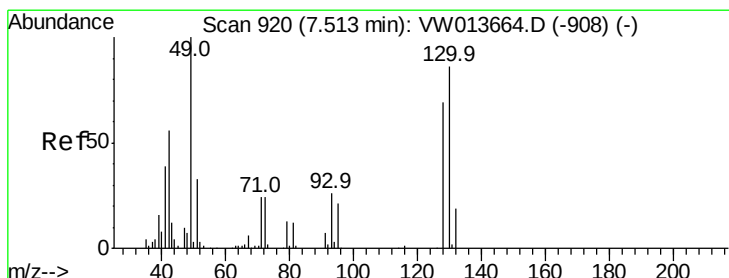
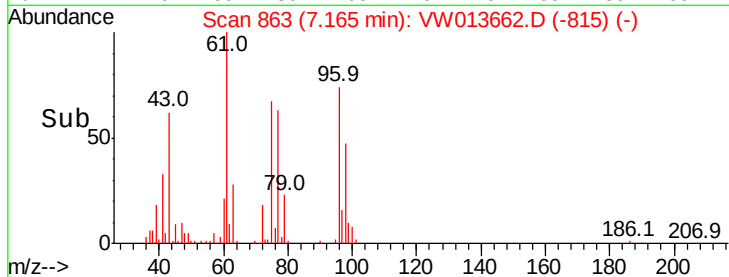
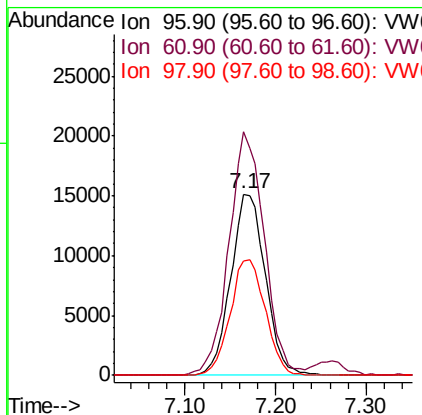
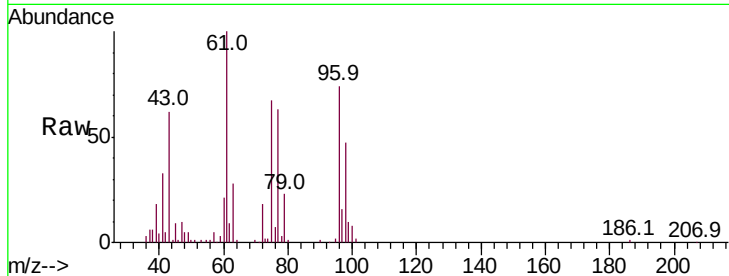


#27

cis-1,2-Dichloroethene
Concen: 10.940 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW013662.D
Acq: 23 Oct 2019 11:49

Instrument :
MSVOA_W
ClientSampled :

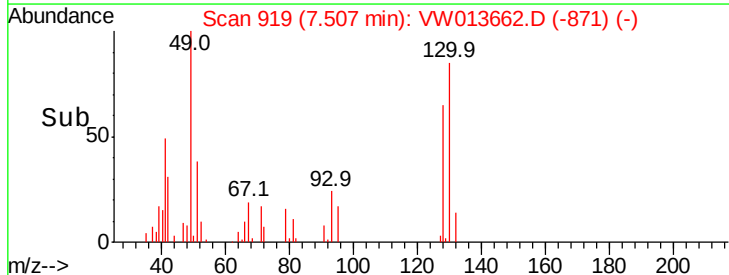
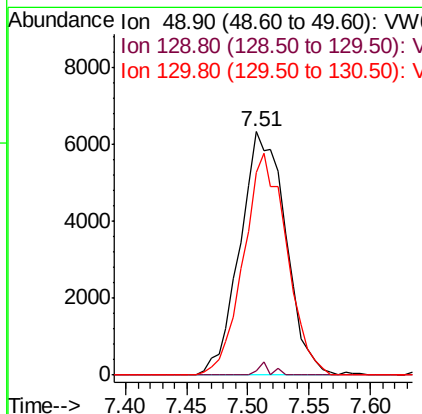
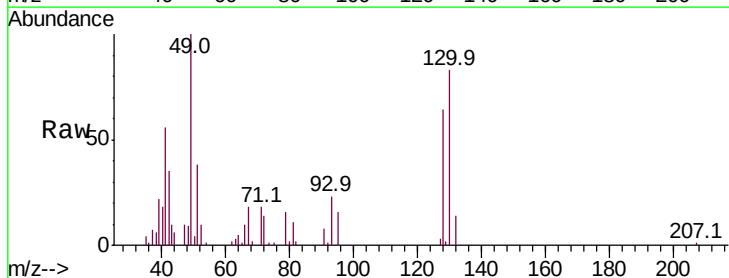
Tot Ion	96	Resp	40088
Ion	Ratio	Lower	Upper
96	100		
61	137.0	0.0	266.0
98	64.7	0.0	126.8

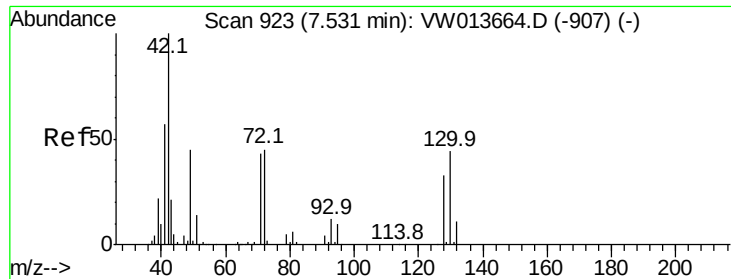


#28

Bromochloromethane
Concen: 7.974 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW013662.D
Acq: 23 Oct 2019 11:49

Tgt Ion	49	Resp	16327
Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	0.6#
130	86.5	67.5	101.3

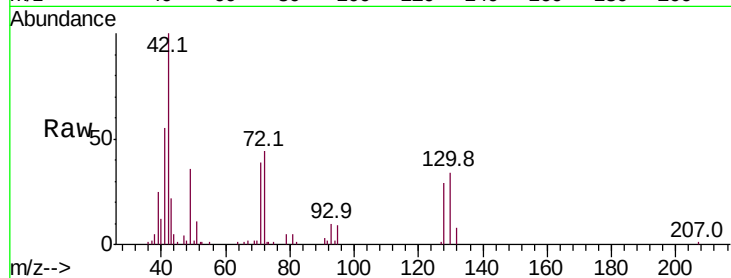




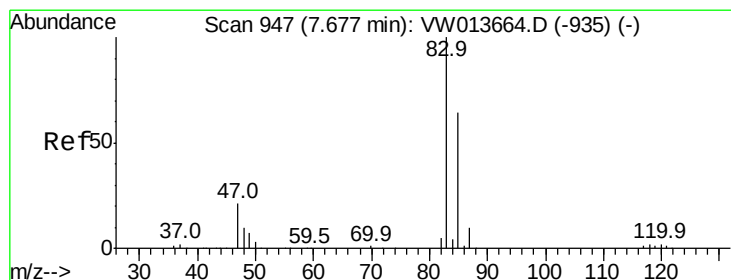
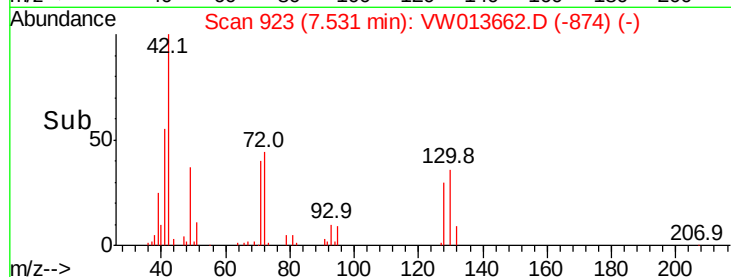
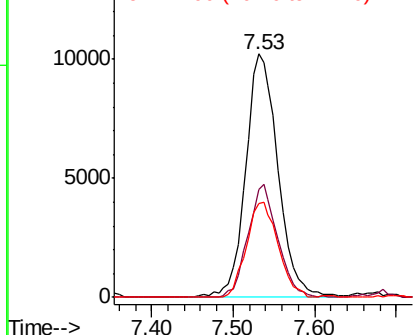
#29
Tetrahydrofuran
Concen: 47.687 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW013662.D
Acq: 23 Oct 2019 11:49

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 42 Resp: 28190
Ion Ratio Lower Upper
42 100
72 42.9 35.3 52.9
71 38.3 33.3 49.9

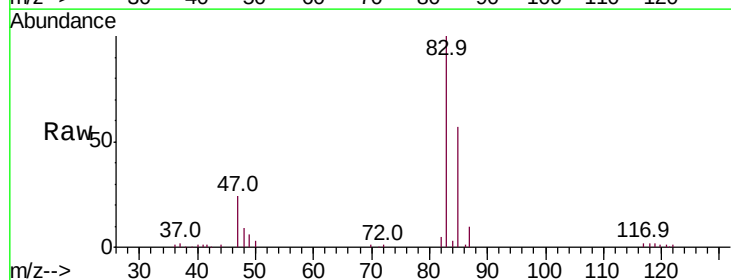


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

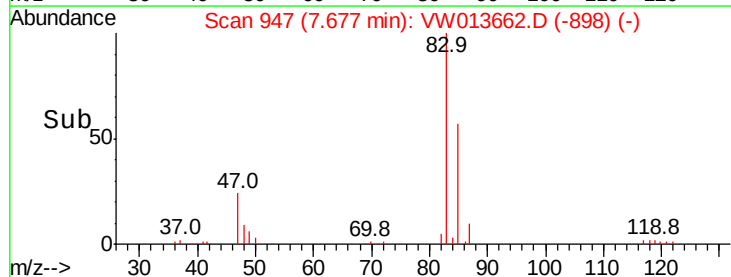
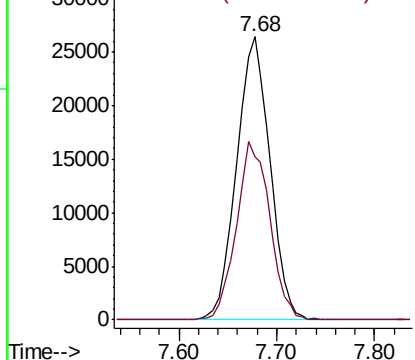


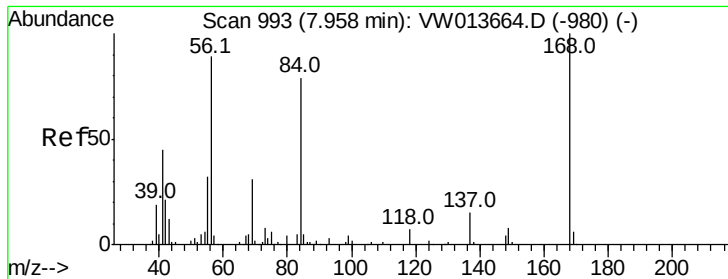
#30
Chloroform
Concen: 11.285 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW013662.D
Acq: 23 Oct 2019 11:49

Tgt Ion: 83 Resp: 62542
Ion Ratio Lower Upper
83 100
85 57.5 51.4 77.2



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

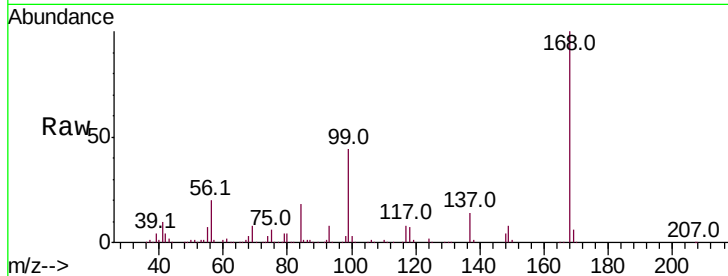




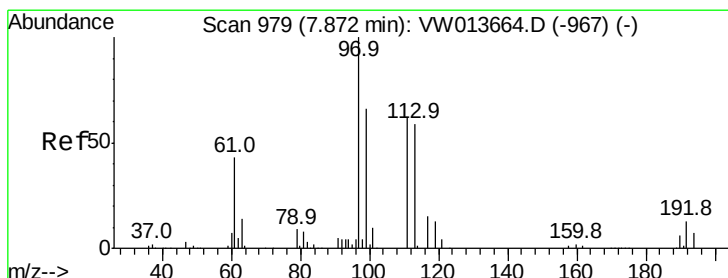
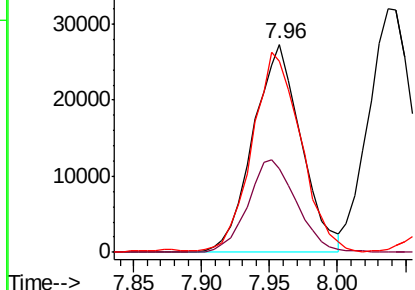
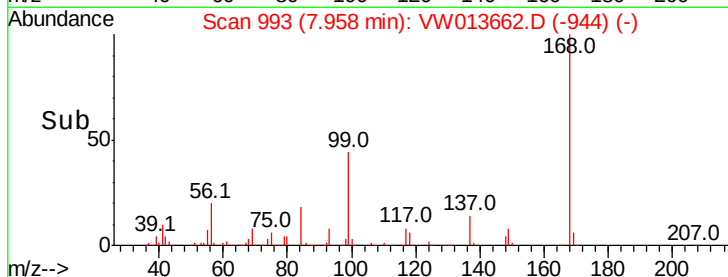
#31
Cyclohexane
Concen: 11.189 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW013662.D
Acq: 23 Oct 2019 11:49

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 67652
Ion Ratio Lower Upper
56 100
69 40.1 27.5 41.3
84 90.7 70.8 106.2

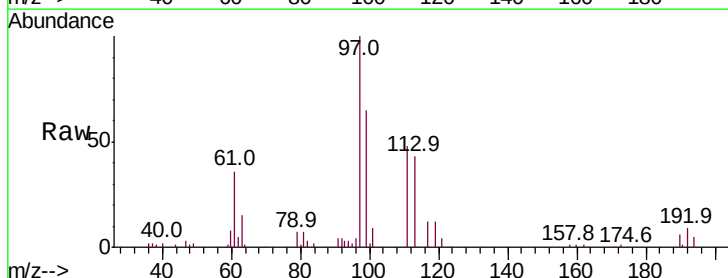


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

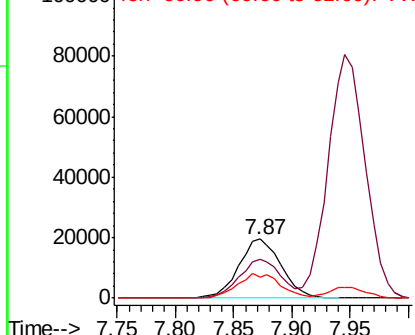
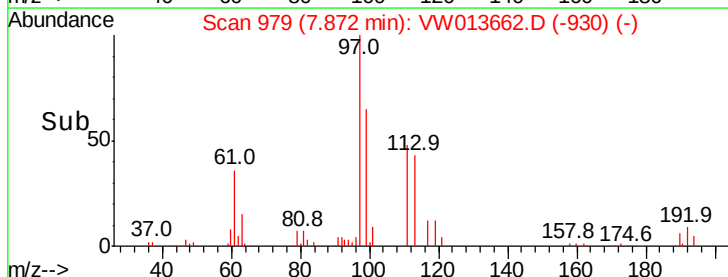


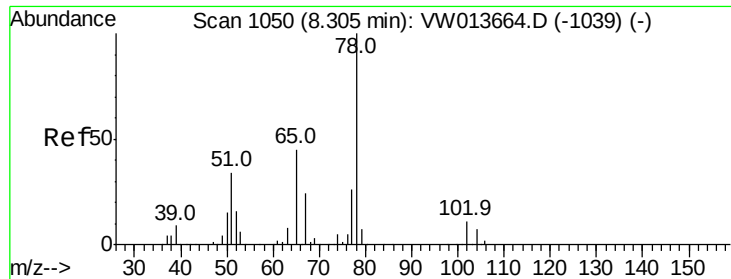
#32
1,1,1-Trichloroethane
Concen: 10.956 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW013662.D
Acq: 23 Oct 2019 11:49

Tgt Ion: 97 Resp: 49118
Ion Ratio Lower Upper
97 100
99 64.5 52.0 78.0
61 42.1 33.8 50.6



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

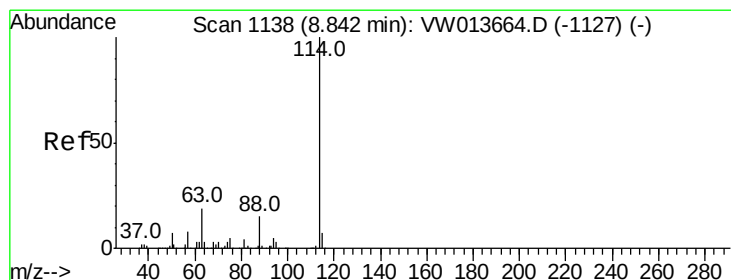
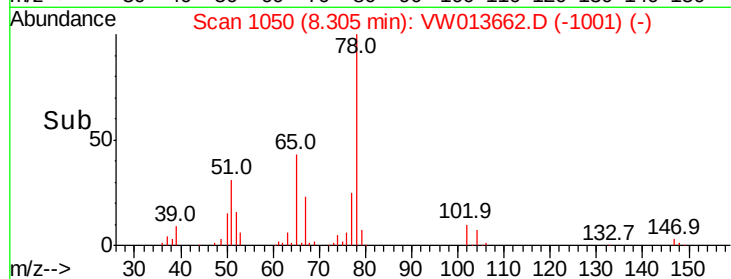
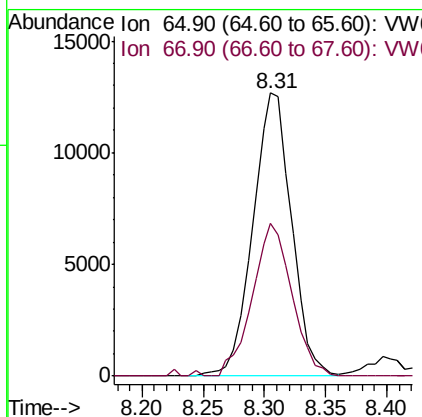
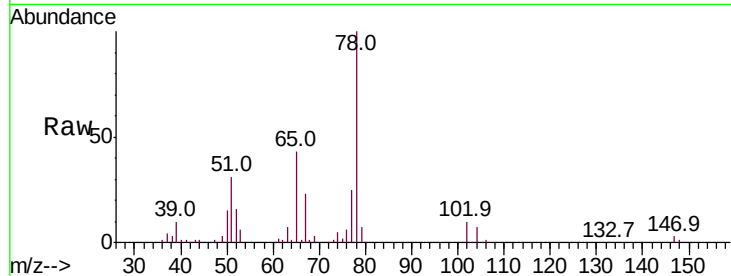




#33
 1,2-Dichloroethane-d4
 Concen: 9.613 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013662.D
 Acq: 23 Oct 2019 11:49

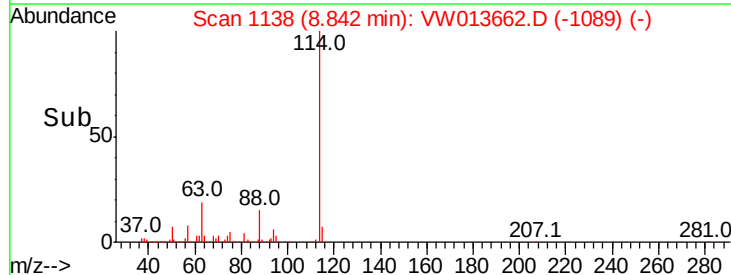
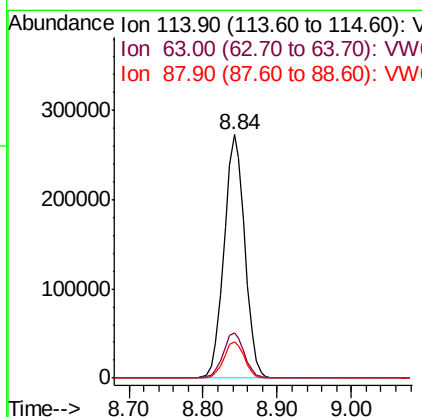
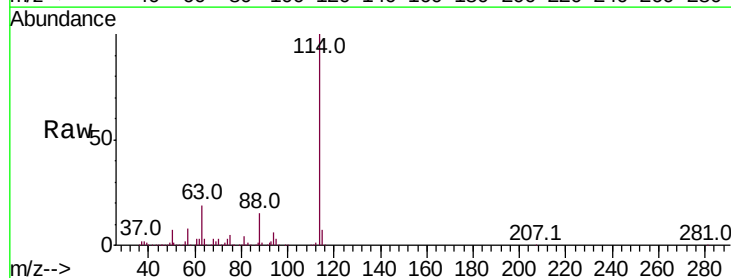
Instrument :
 MSVOA_W
 ClientSampleId :

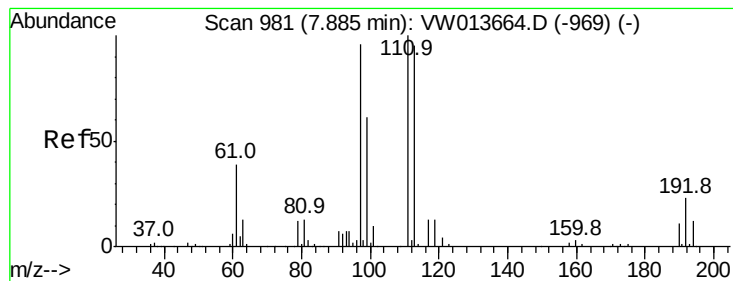
Tot Ion: 65 Resp: 27891
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013662.D
 Acq: 23 Oct 2019 11:49

Tgt Ion: 114 Resp: 527813
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 37.6
 88 15.1 0.0 30.2





#35

Dibromofluoromethane

Concen: 9.709 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW013662.D

Acq: 23 Oct 2019 11:49

Instrument :
MSVOA_W
ClientSampled :

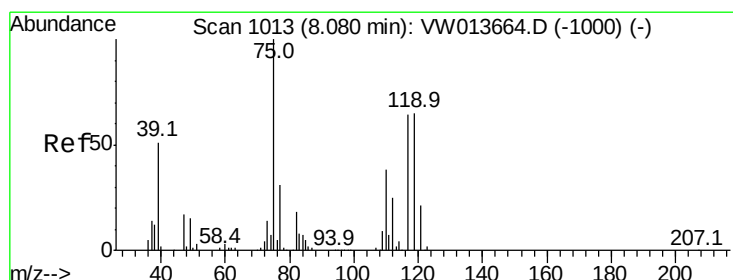
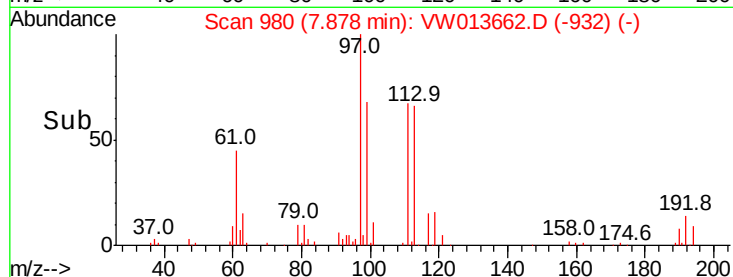
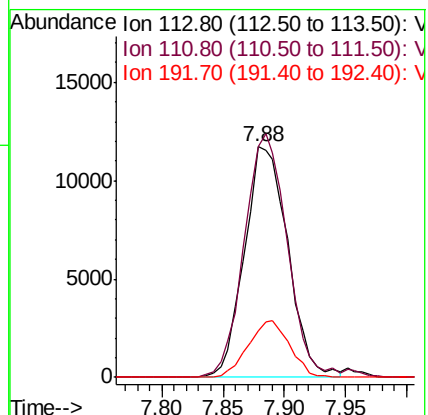
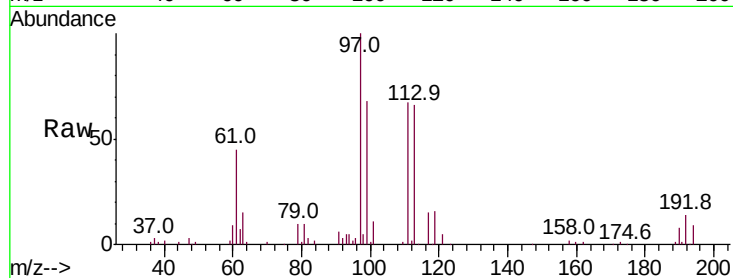
Tot Ion:113 Resp: 28946

Ion Ratio Lower Upper

113 100

111 106.0 83.0 124.6

192 23.5 19.4 29.2



#36

1,1-Dichloropropene

Concen: 11.100 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW013662.D

Acq: 23 Oct 2019 11:49

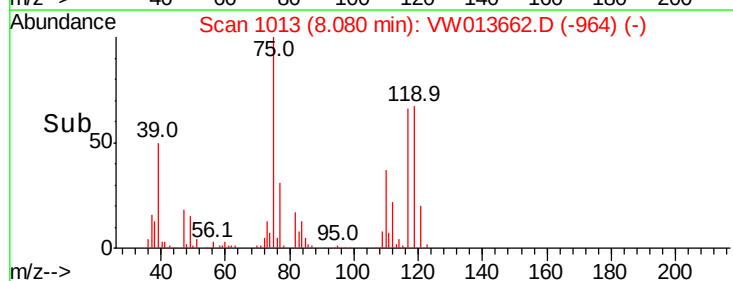
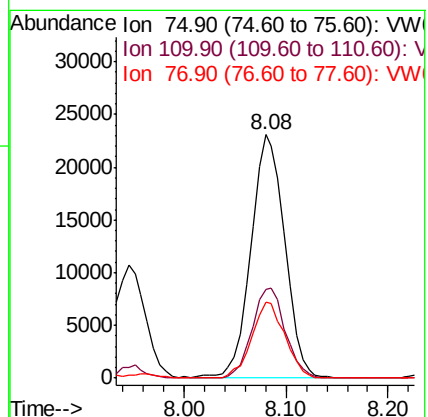
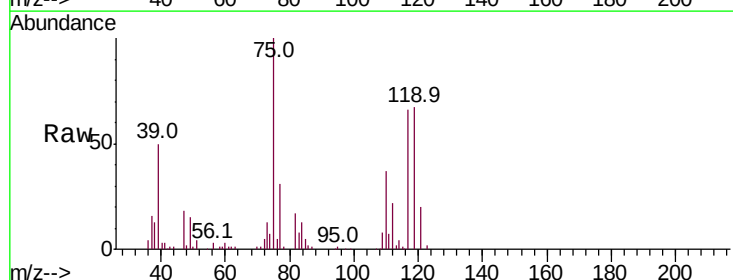
Tgt Ion: 75 Resp: 53287

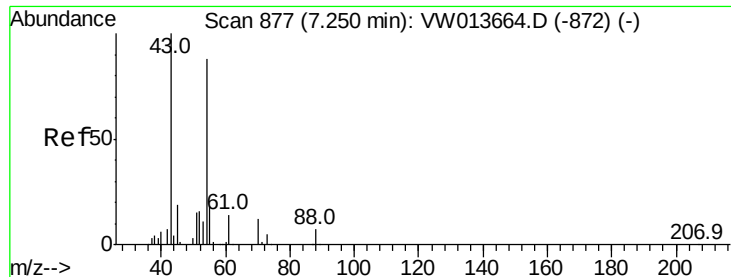
Ion Ratio Lower Upper

75 100

110 36.4 18.7 56.1

77 30.6 25.4 38.0

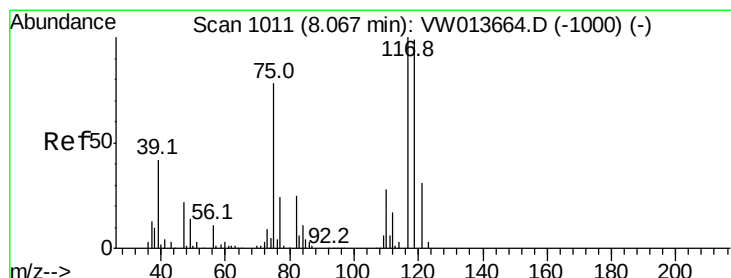
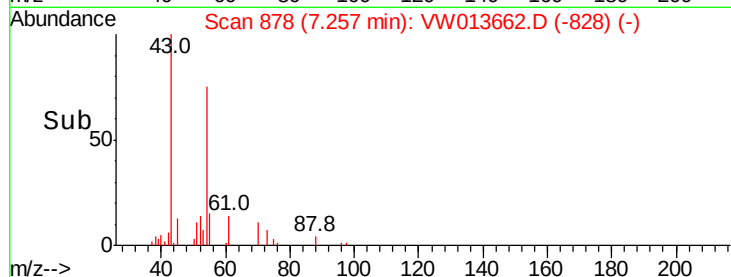
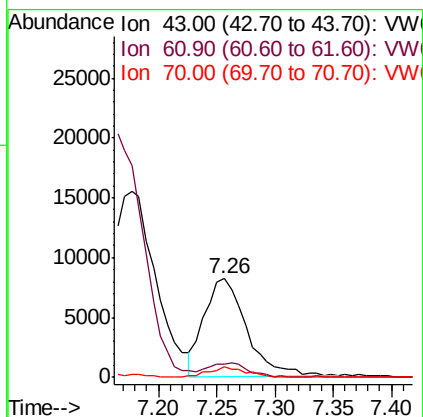
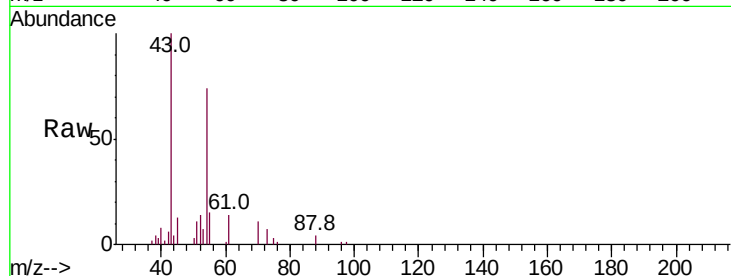




#37
Ethyl Acetate
Concen: 9.635 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW013662.D
Acq: 23 Oct 2019 11:49

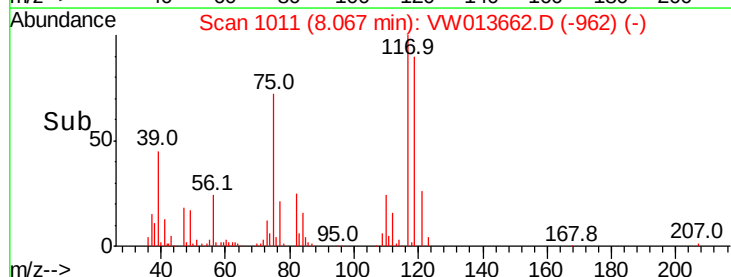
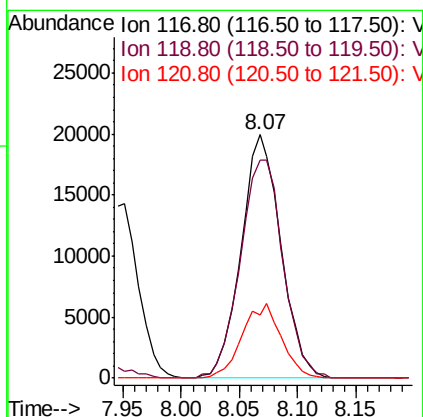
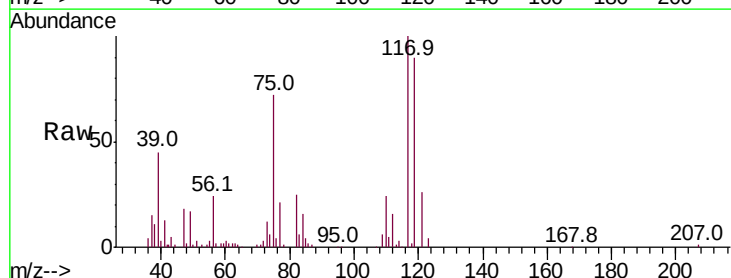
Instrument :
MSVOA_W
ClientSampled :

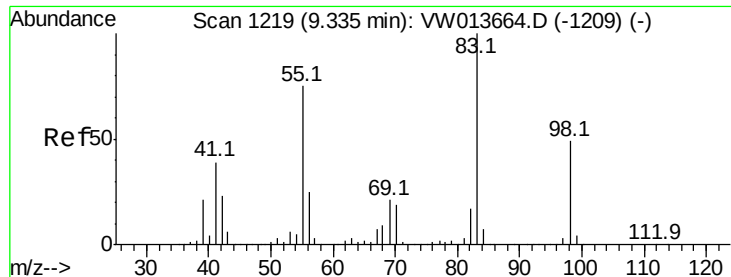
Tot Ion: 43 Resp: 20456
Ion Ratio Lower Upper
43 100
61 14.2 11.7 17.5
70 9.9 8.8 13.2



#38
Carbon Tetrachloride
Concen: 11.160 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW013662.D
Acq: 23 Oct 2019 11:49

Tgt Ion: 117 Resp: 47396
Ion Ratio Lower Upper
117 100
119 89.7 79.0 118.4
121 26.2 24.5 36.7

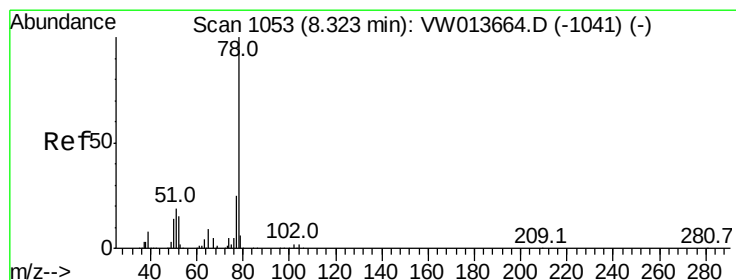
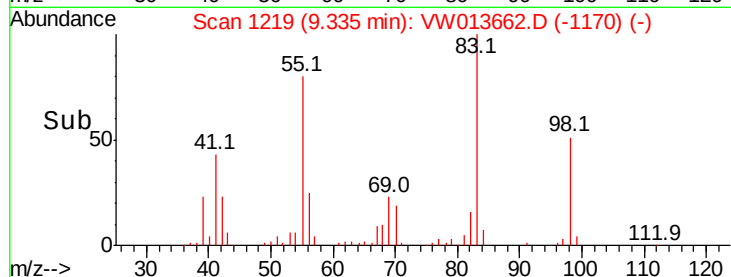
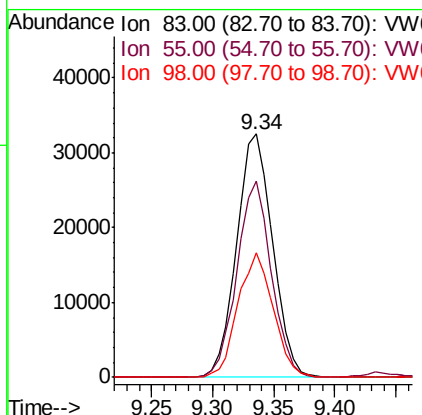
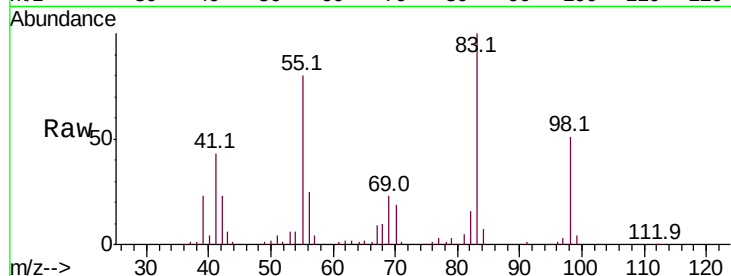




#39
Methylvlcyclohexane
Concen: 10.662 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013662.D
Acq: 23 Oct 2019 11:49

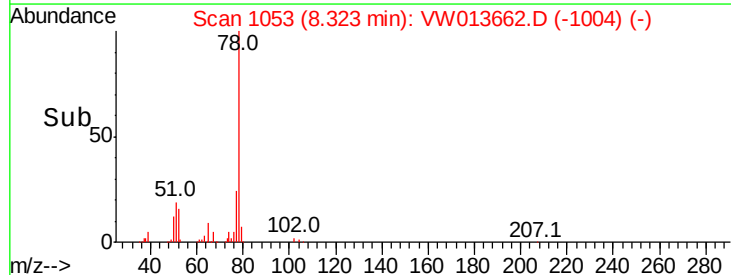
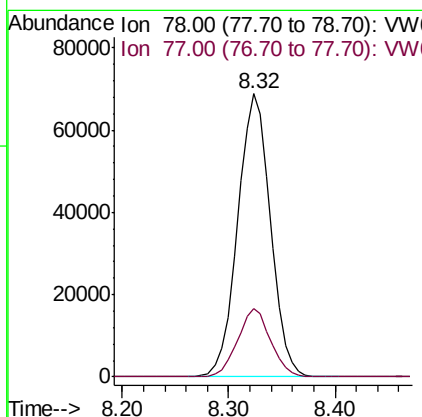
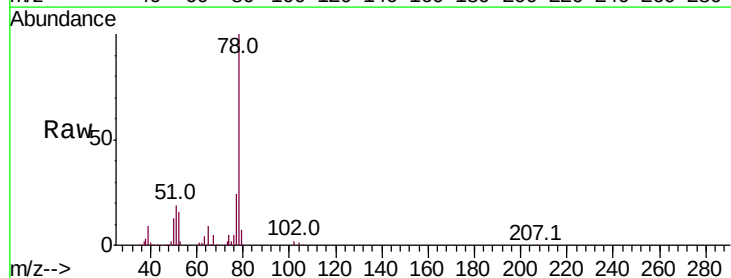
Instrument :
MSVOA_W
ClientSampled :

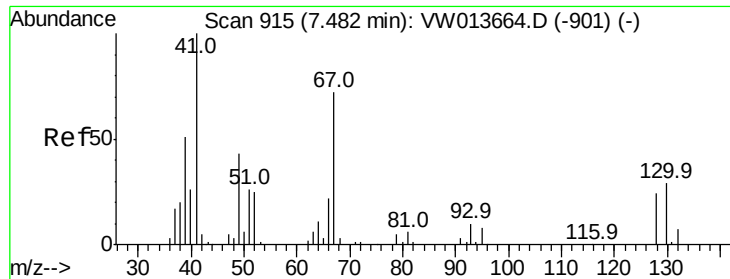
Tot Ion: 83 Resp: 66351
Ion Ratio Lower Upper
83 100
55 80.4 59.9 89.9
98 51.1 39.4 59.2



#40
Benzene
Concen: 11.064 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013662.D
Acq: 23 Oct 2019 11:49

Tgt Ion: 78 Resp: 148596
Ion Ratio Lower Upper
78 100
77 24.0 19.6 29.4

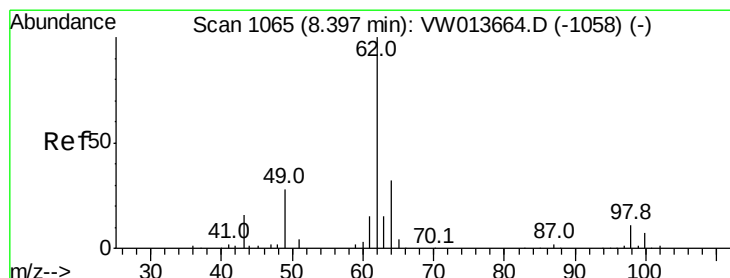
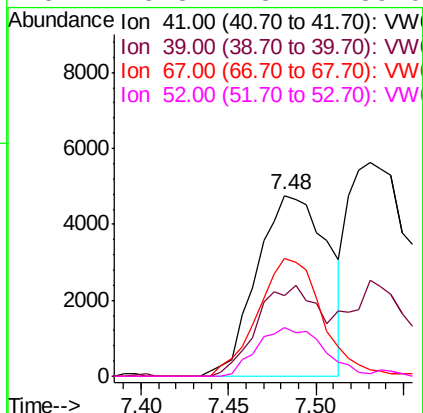
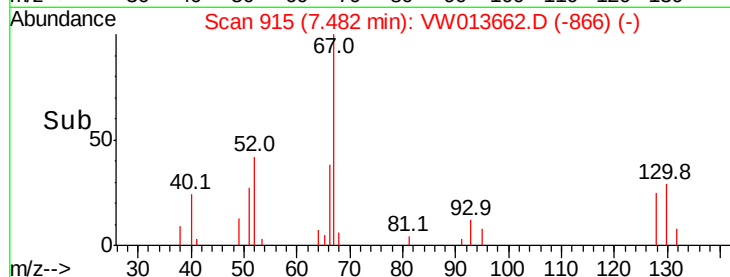
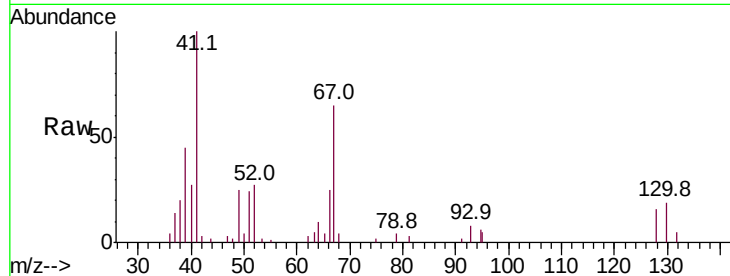




#41
Methacrylonitrile
Concen: 11.092 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW013662.D
Acq: 23 Oct 2019 11:49

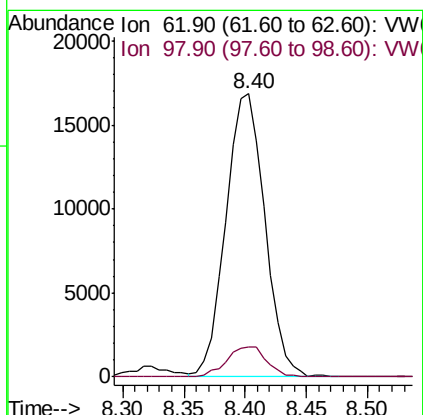
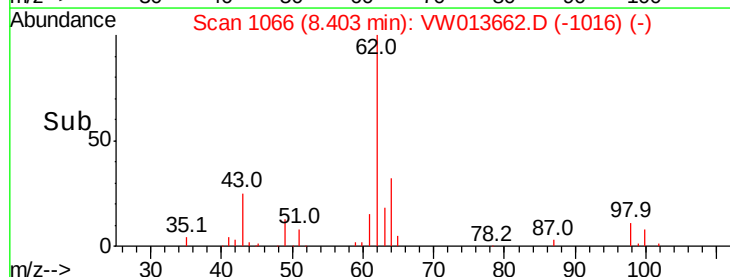
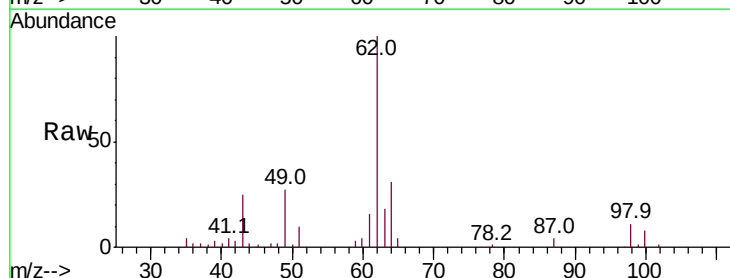
Instrument :
MSVOA_W
ClientSampled :

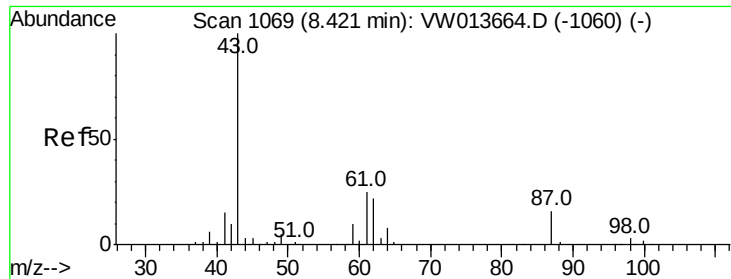
Tot Ion:	41	Resp:	13469
Ion	Ratio	Lower	Upper
41	100		
39	44.0	44.8	67.2#
67	59.5	59.3	88.9
52	25.3	23.4	35.0



#42
1,2-Dichloroethane
Concen: 10.975 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW013662.D
Acq: 23 Oct 2019 11:49

Tgt Ion:	62	Resp:	37275
Ion	Ratio	Lower	Upper
62	100		
98	10.9	0.0	22.4





#43

Isopropyl Acetate

Concen: 9.648 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013662.D

Acq: 23 Oct 2019 11:49

Instrument :

MSVOA_W

ClientSampleId :

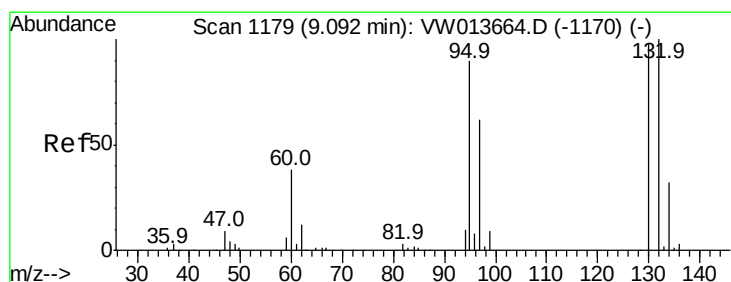
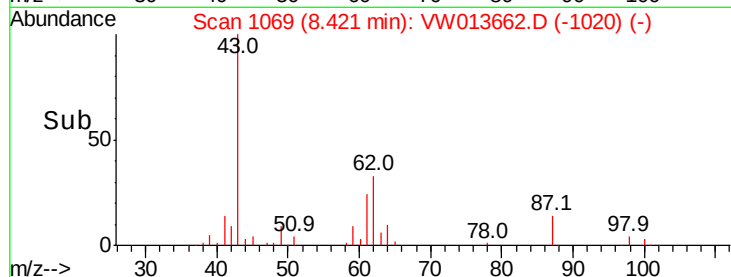
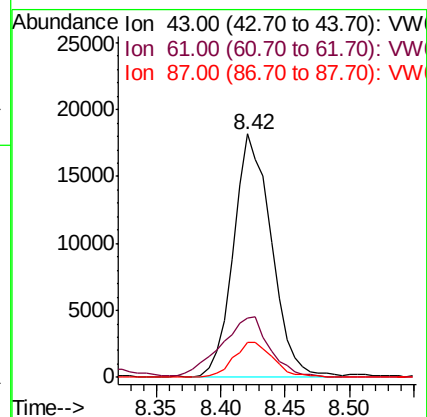
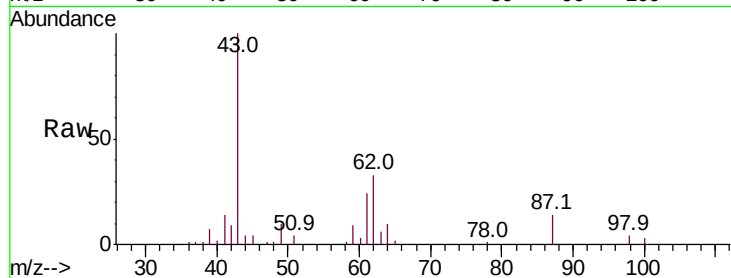
Tot Ion: 43 Resp: 37347

Ion Ratio Lower Upper

43 100

61 31.6 26.1 39.1

87 14.9 11.4 17.0



#44

Trichloroethene

Concen: 10.999 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW013662.D

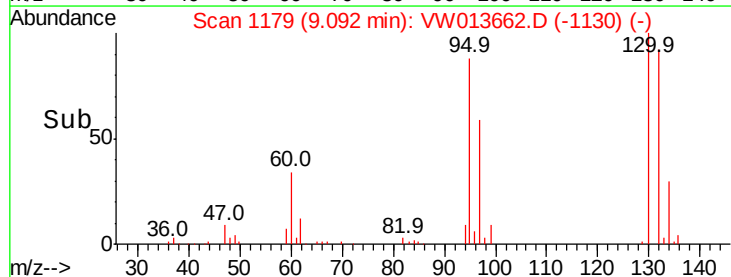
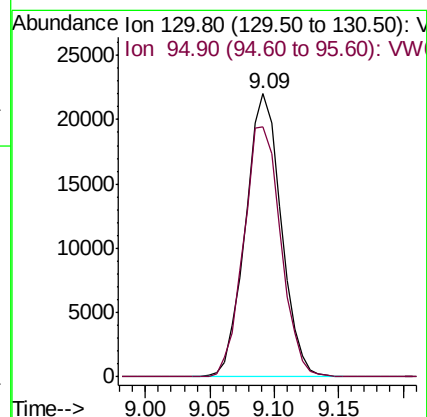
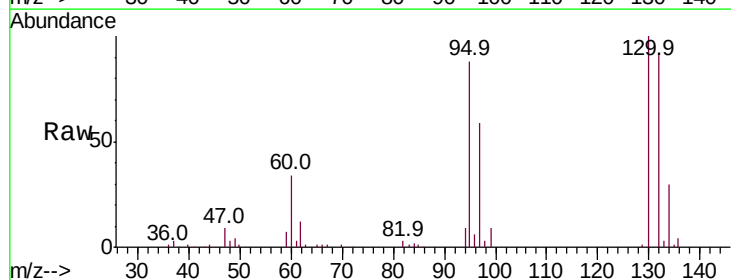
Acq: 23 Oct 2019 11:49

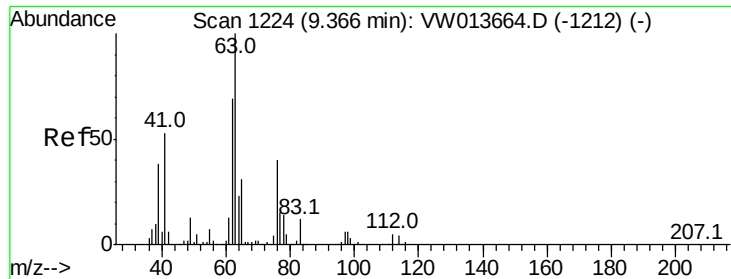
Tgt Ion: 130 Resp: 42151

Ion Ratio Lower Upper

130 100

95 88.3 0.0 184.6





#45

1,2-Dichloropropane

Concen: 10.902 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW013662.D

Acq: 23 Oct 2019 11:49

Instrument :

MSVOA_W

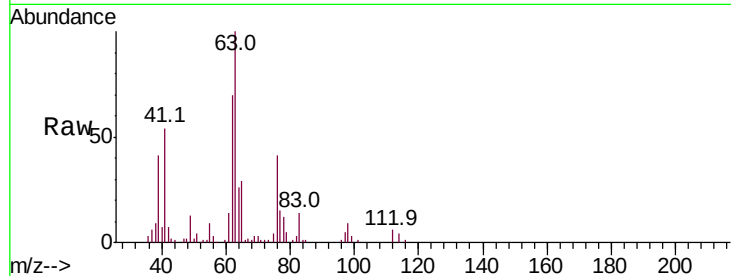
ClientSampleId :

Tot Ion: 63 Resp: 35181

Ion Ratio Lower Upper

63 100

65 29.1 25.2 37.8



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW

20000

15000

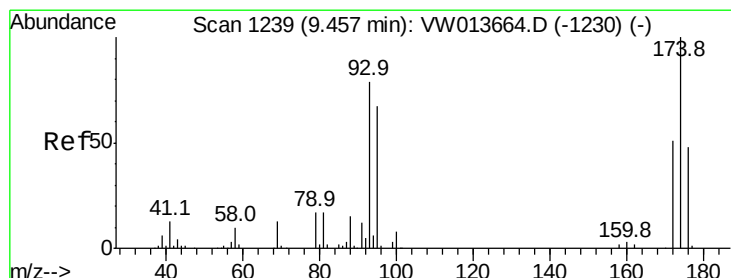
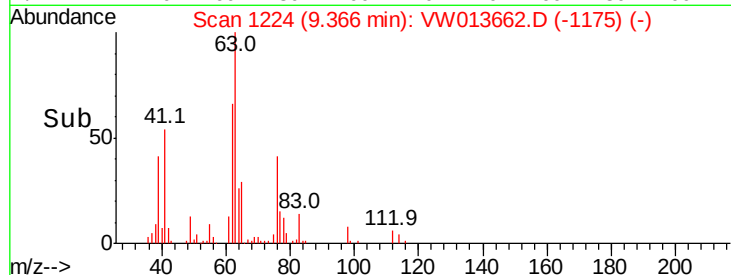
10000

5000

0

9.25 9.30 9.35 9.40 9.45

Time-->



#46

Dibromomethane

Concen: 10.955 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.01 min

Lab File: VW013662.D

Acq: 23 Oct 2019 11:49

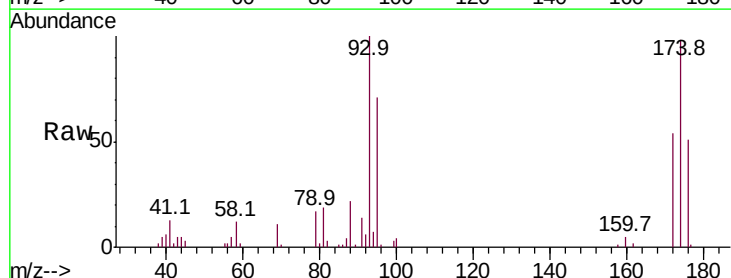
Tgt Ion: 93 Resp: 17555

Ion Ratio Lower Upper

93 100

95 80.0 66.5 99.7

174 116.9 99.6 149.4



Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V

15000

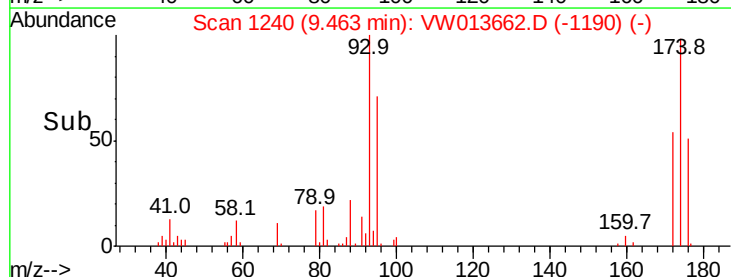
10000

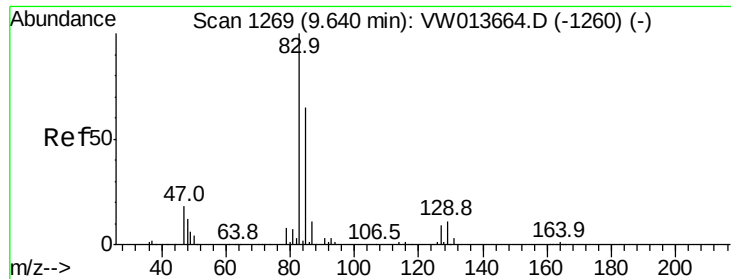
5000

0

9.40 9.45 9.50

Time-->





#47

Bromodichloromethane

Concen: 10.621 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW013662.D

Acq: 23 Oct 2019 11:49

Instrument :

MSVOA_W

ClientSampled :

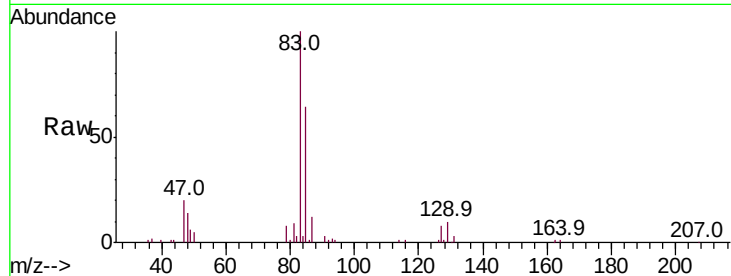
Tot Ion: 83 Resp: 42520

Ion Ratio Lower Upper

83 100

85 63.9 51.8 77.6

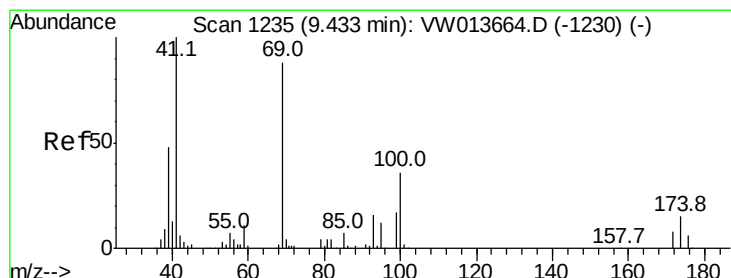
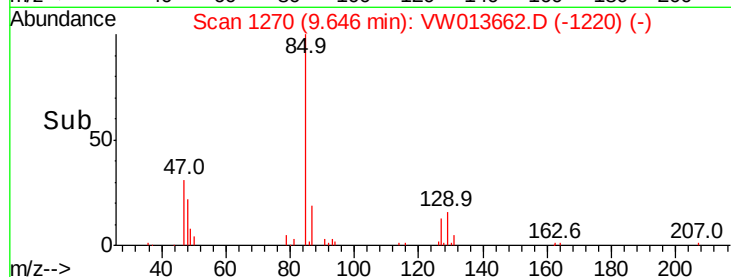
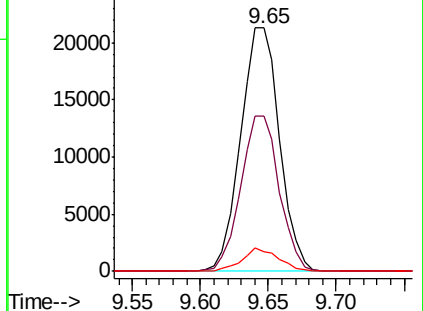
127 8.1 7.3 10.9



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 9.883 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW013662.D

Acq: 23 Oct 2019 11:49

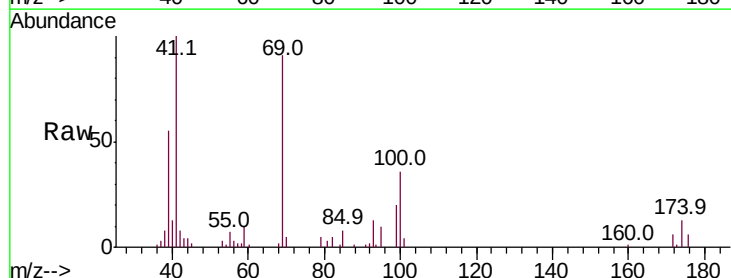
Tgt Ion: 41 Resp: 18956

Ion Ratio Lower Upper

41 100

69 84.5 67.6 101.4

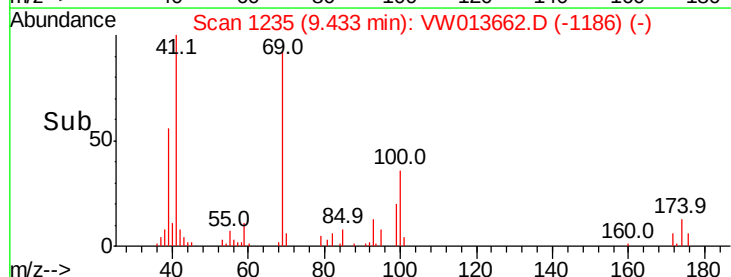
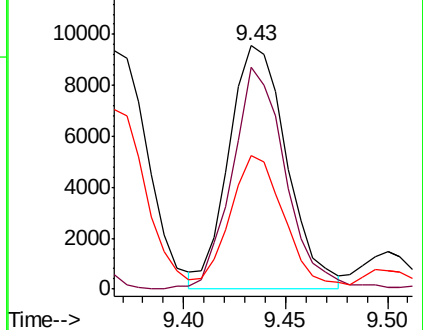
39 47.2 38.6 58.0

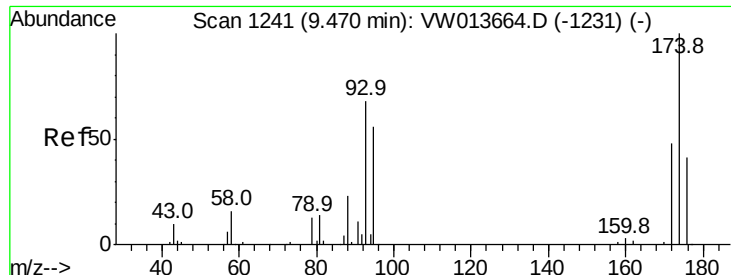


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

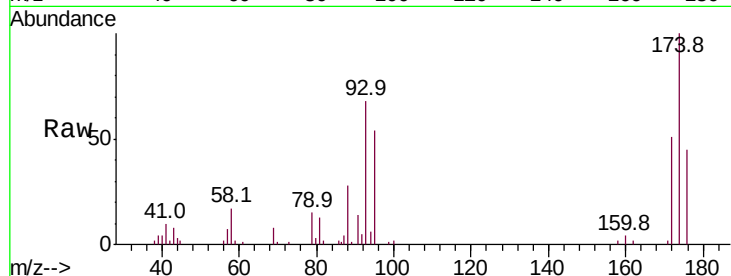




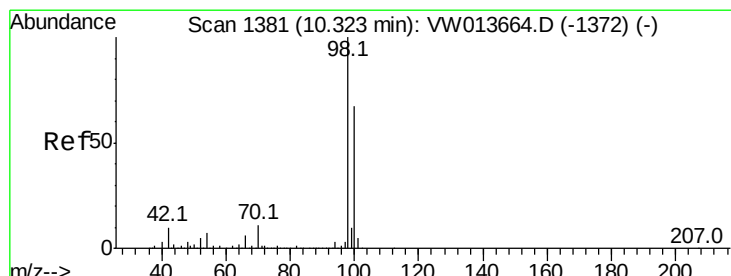
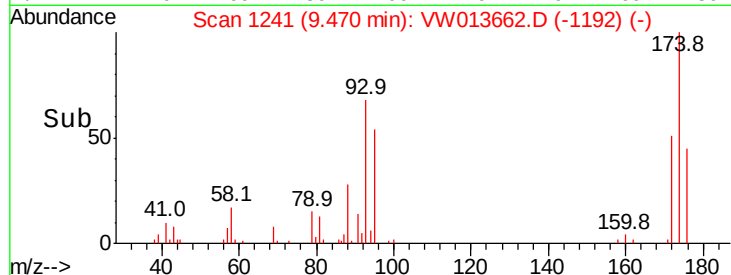
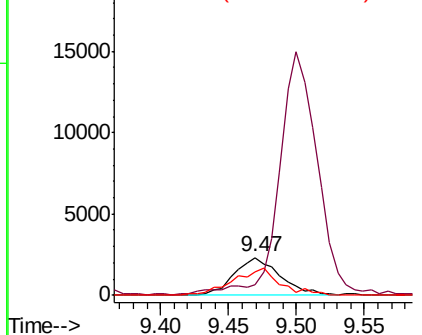
#49
 1,4-Dioxane
 Concen: 200.538 ug/l
 RT: 9.47 min Scan# 1241
 Delta R.T. -0.00 min
 Lab File: VW013662.D
 Acq: 23 Oct 2019 11:49

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion: 88 Resp: 5469
 Ion Ratio Lower Upper
 88 100
 43 0.0 0.0 0.0
 58 74.1 58.9 88.3

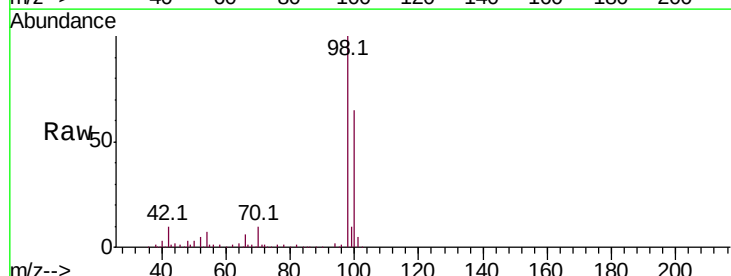


Abundance Ion 88.00 (87.70 to 88.70): VW
 Ion 43.00 (42.70 to 43.70): VW
 Ion 58.00 (57.70 to 58.70): VW

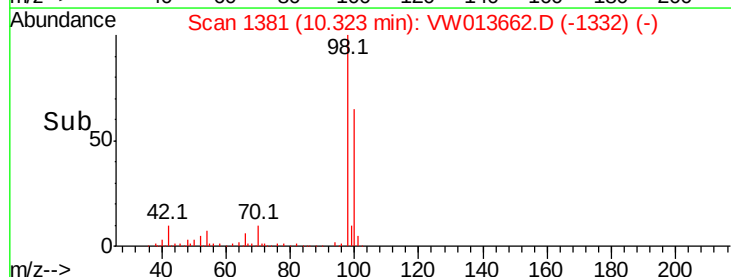
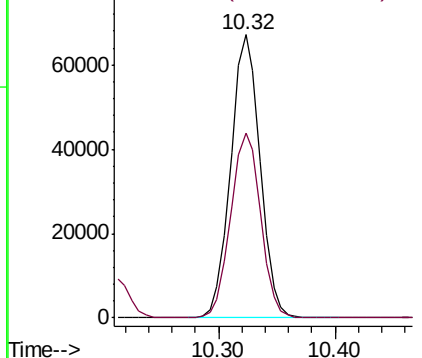


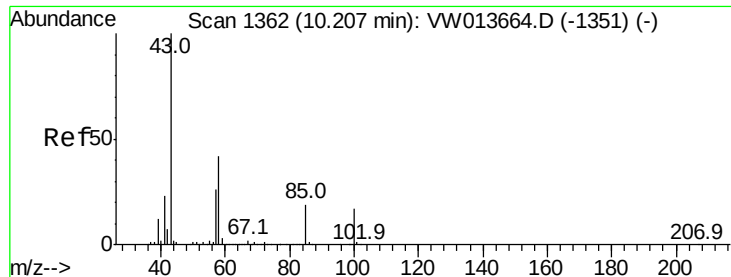
#50
 Toluene-d8
 Concen: 9.445 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW013662.D
 Acq: 23 Oct 2019 11:49

Tgt Ion: 98 Resp: 118041
 Ion Ratio Lower Upper
 98 100
 100 66.6 53.4 80.0



Abundance Ion 98.00 (97.70 to 98.70): VW
 Ion 100.00 (99.70 to 100.70): VW

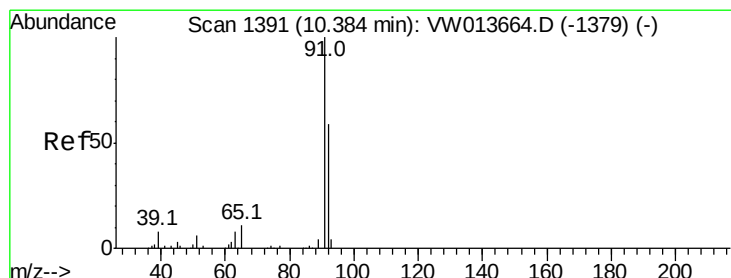
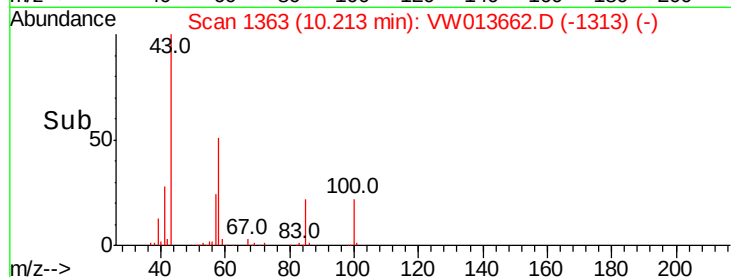
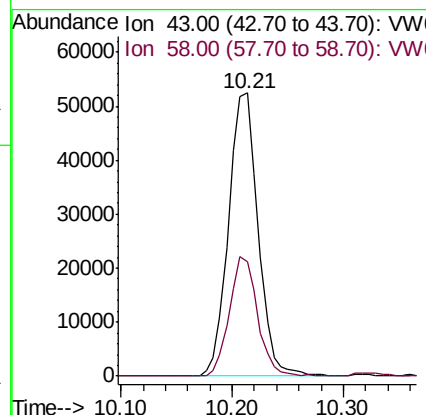
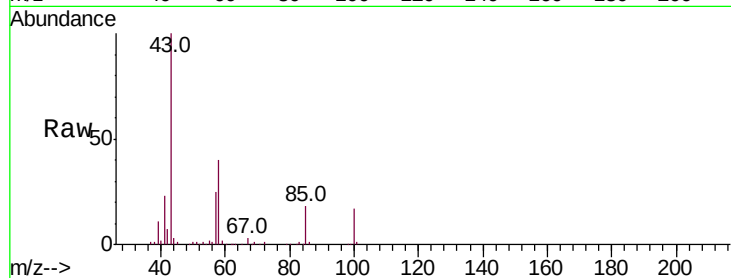




#51
4-Methyl-2-Pentanone
Concen: 47.554 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. 0.01 min
Lab File: VW013662.D
Acq: 23 Oct 2019 11:49

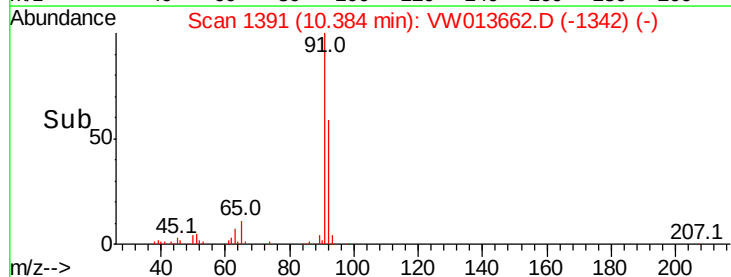
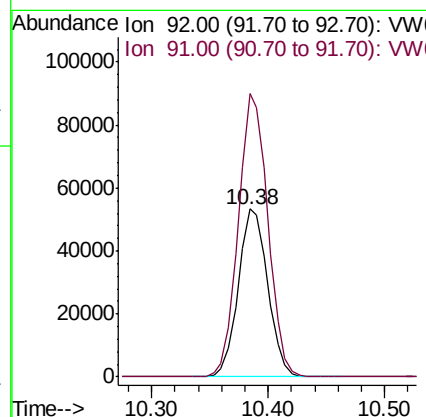
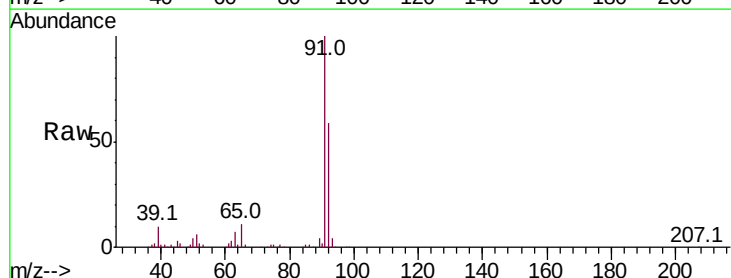
Instrument :
MSVOA_W
ClientSampleId :

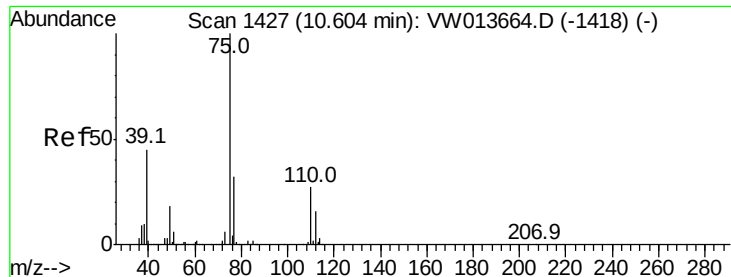
Tot Ion: 43 Resp: 96095
Ion Ratio Lower Upper
43 100
58 40.4 32.6 49.0



#52
Toluene
Concen: 10.882 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VW013662.D
Acq: 23 Oct 2019 11:49

Tgt Ion: 92 Resp: 94181
Ion Ratio Lower Upper
92 100
91 168.7 134.5 201.7





#53

t-1,3-Dichloropropene

Concen: 10.179 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013662.D

Acq: 23 Oct 2019 11:49

Instrument :

MSVOA_W

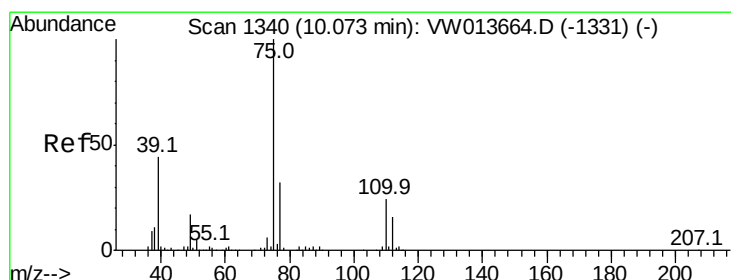
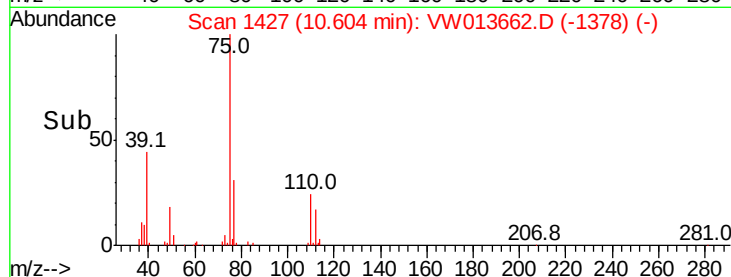
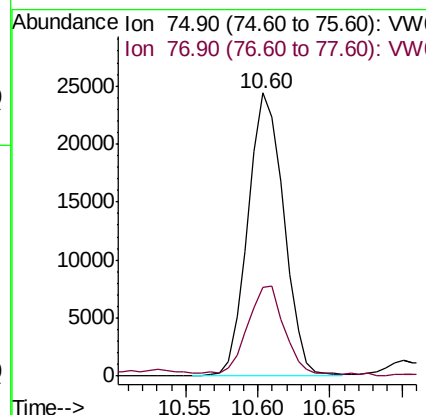
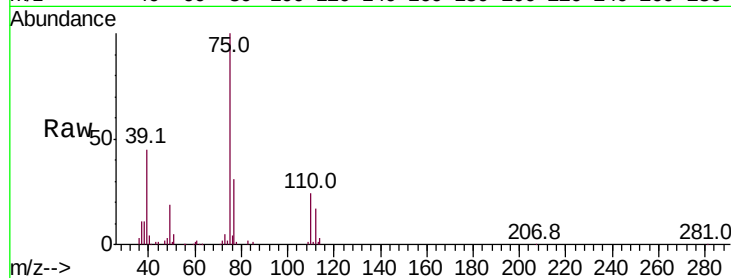
ClientSampled :

Tot Ion: 75 Resp: 42226

Ion Ratio Lower Upper

75 100

77 30.6 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 10.615 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW013662.D

Acq: 23 Oct 2019 11:49

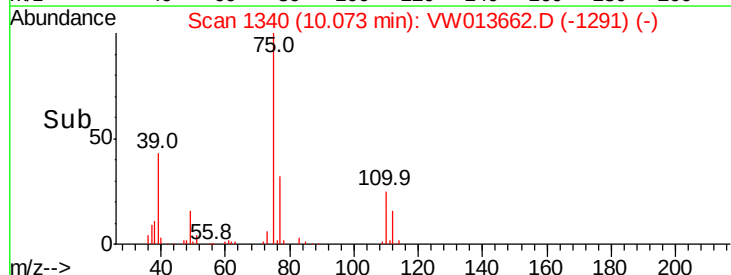
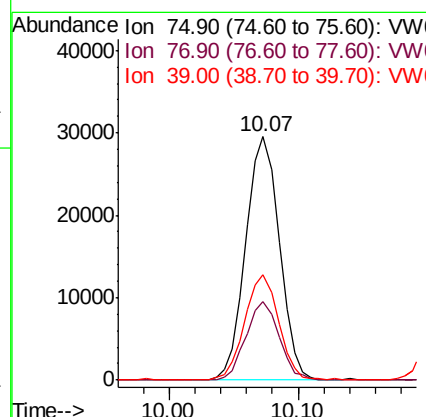
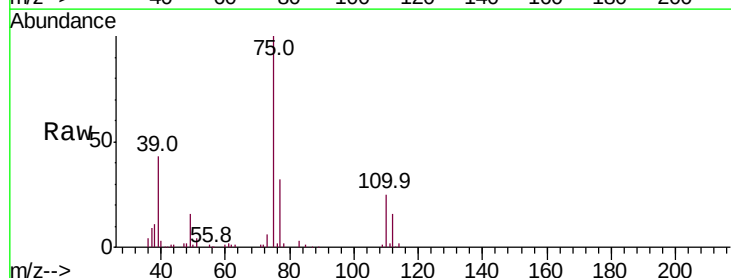
Tgt Ion: 75 Resp: 53511

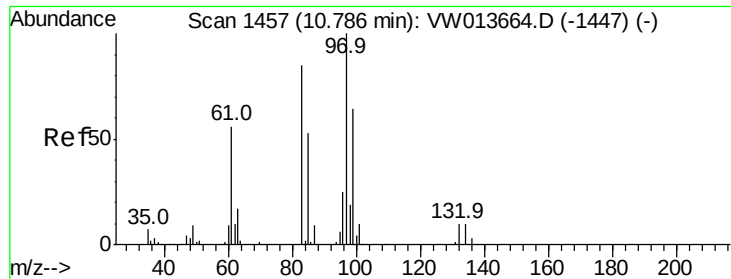
Ion Ratio Lower Upper

75 100

77 32.1 25.8 38.6

39 43.5 35.3 52.9

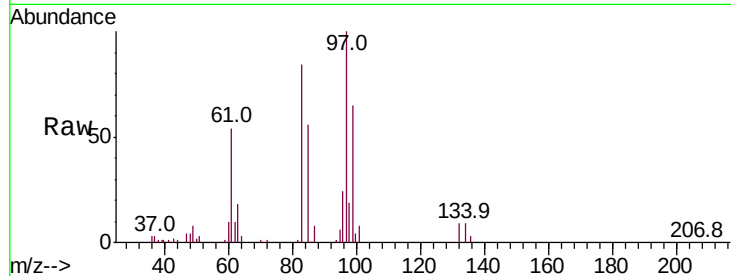




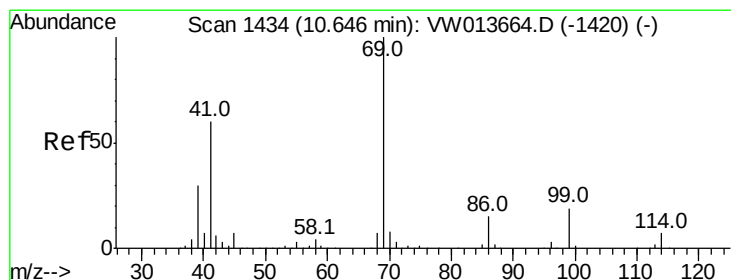
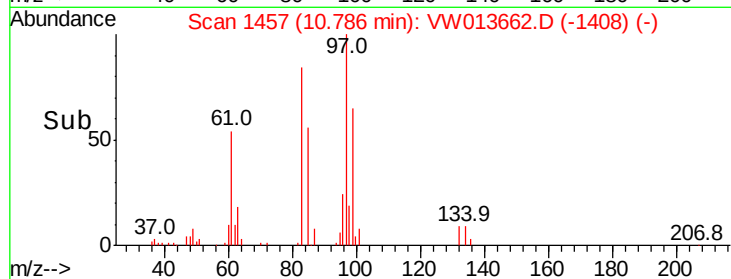
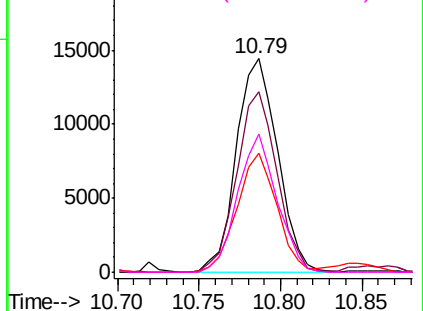
#55
 1,1,2-Trichloroethane
 Concen: 10.602 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013662.D
 Acq: 23 Oct 2019 11:49

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion:	97	Resp:	25427
Ion	Ratio	Lower	Upper
97	100		
83	84.3	67.8	101.8
85	55.9	42.1	63.1
99	64.7	51.4	77.0

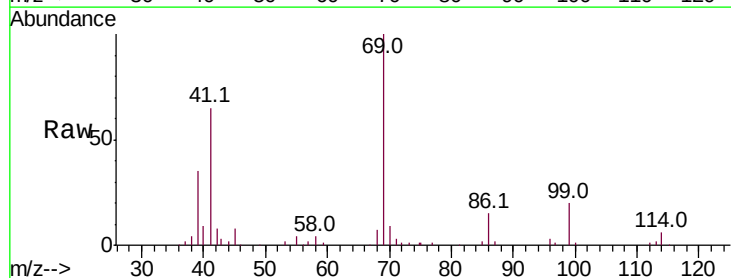


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

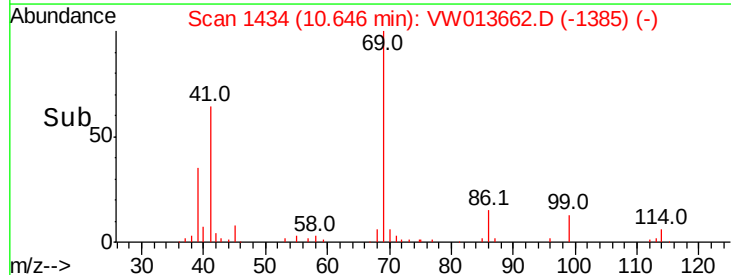
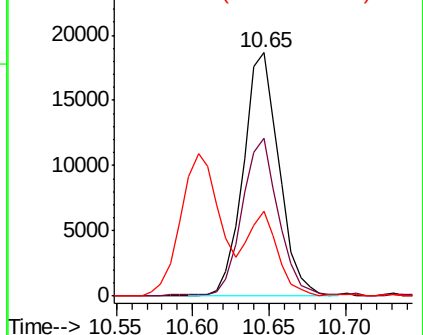


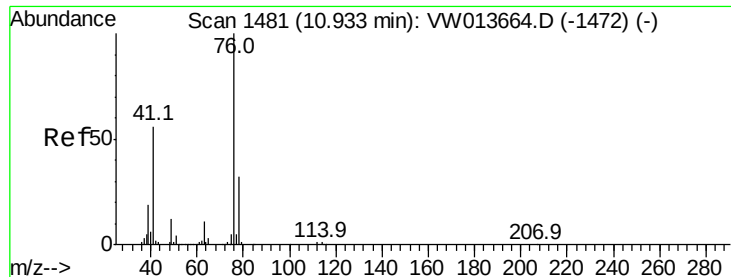
#56
 Ethyl methacrylate
 Concen: 9.479 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW013662.D
 Acq: 23 Oct 2019 11:49

Tgt Ion:	69	Resp:	30232
Ion	Ratio	Lower	Upper
69	100		
41	67.1	51.6	77.4
39	29.2	22.4	33.6



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: 10.235 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW013662.D

Acq: 23 Oct 2019 11:49

Instrument :

MSVOA_W

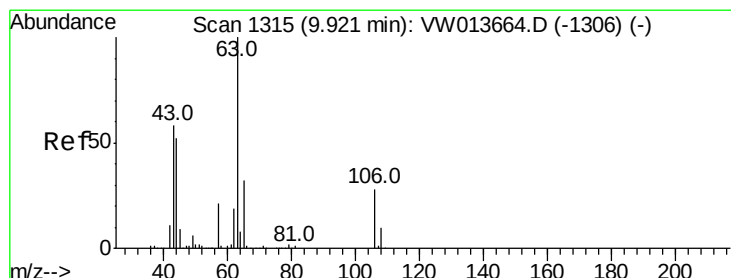
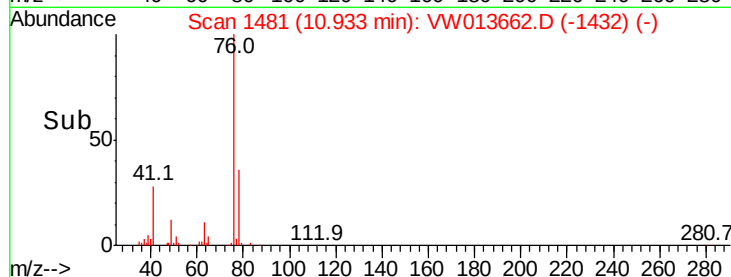
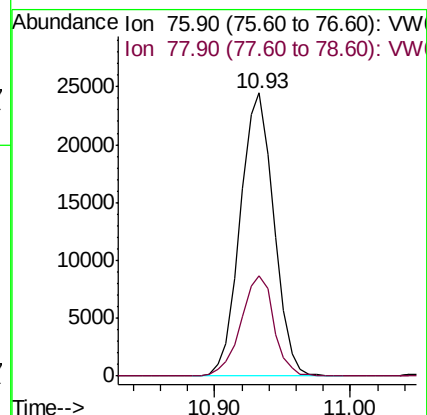
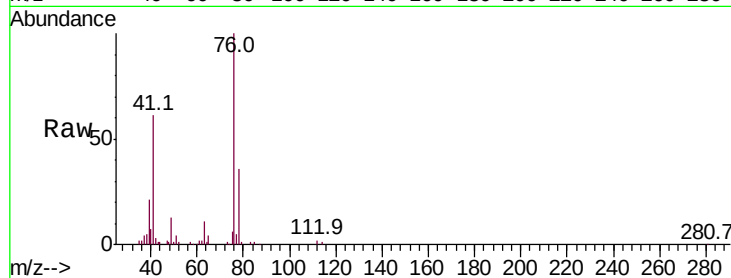
ClientSampled :

Tot Ion: 76 Resp: 42209

Ion Ratio Lower Upper

76 100

78 34.6 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 44.718 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VW013662.D

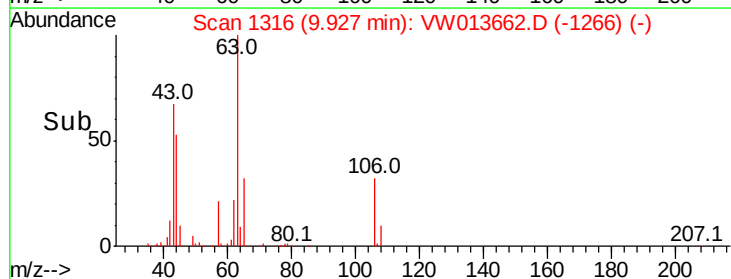
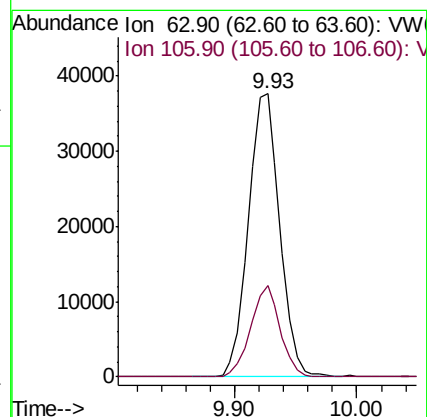
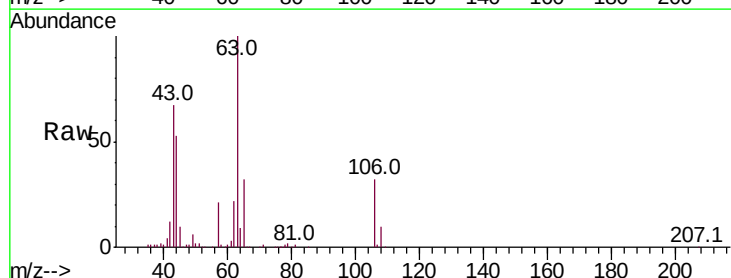
Acq: 23 Oct 2019 11:49

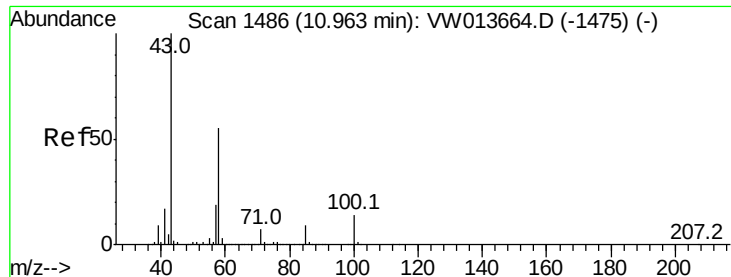
Tgt Ion: 63 Resp: 67063

Ion Ratio Lower Upper

63 100

106 30.2 23.8 35.8

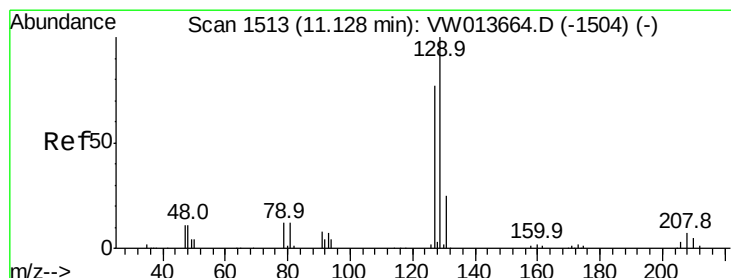
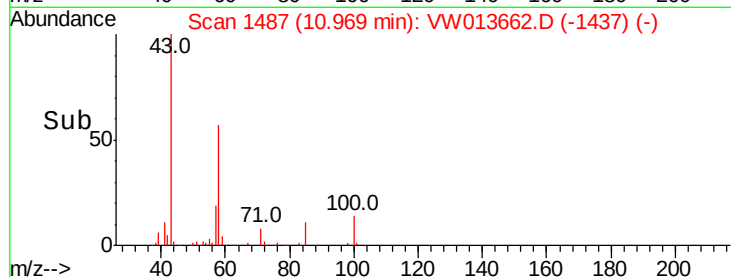
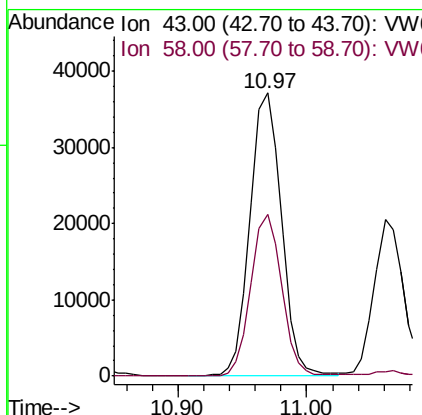
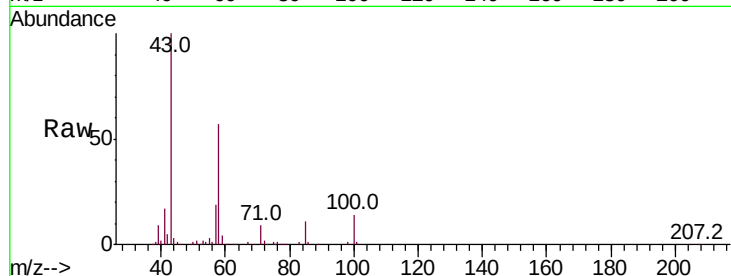




#59
2-Hexanone
Concen: 45.487 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.01 min
Lab File: VW013662.D
Acq: 23 Oct 2019 11:49

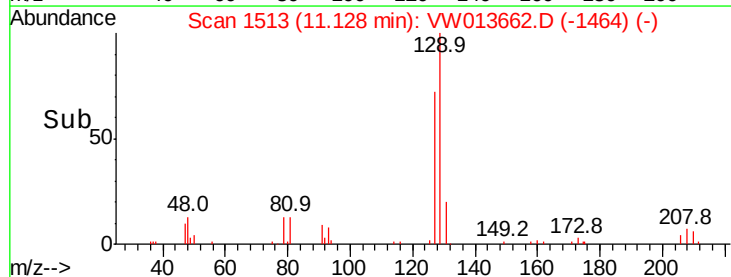
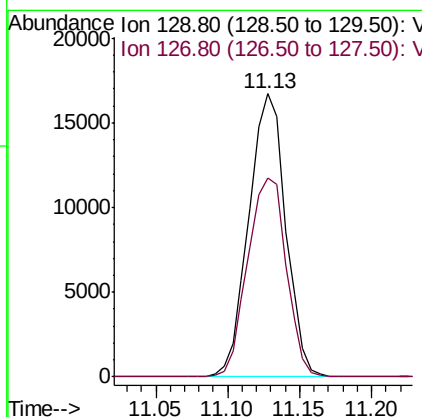
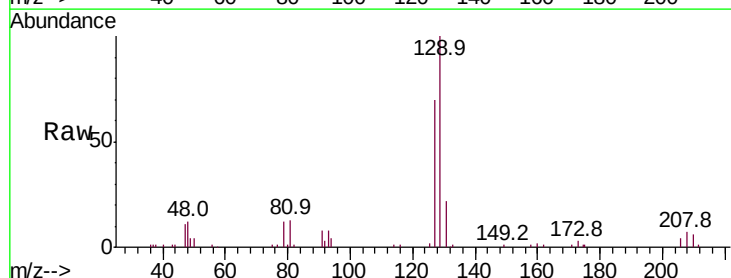
Instrument :
MSVOA_W
ClientSampled :

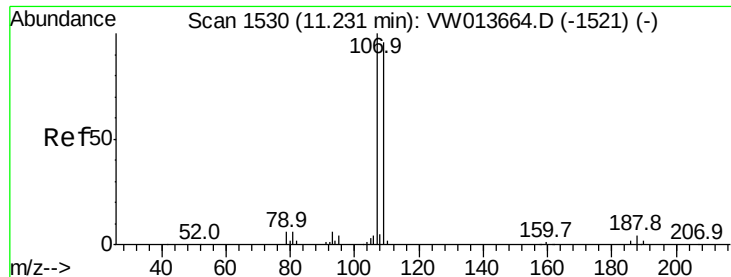
Tot Ion: 43 Resp: 62880
Ion Ratio Lower Upper
43 100
58 56.5 27.9 83.7



#60
Dibromochloromethane
Concen: 10.748 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013662.D
Acq: 23 Oct 2019 11:49

Tgt Ion: 129 Resp: 29666
Ion Ratio Lower Upper
129 100
127 73.4 38.9 116.7

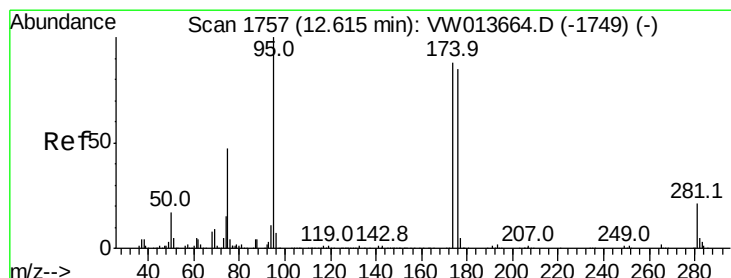
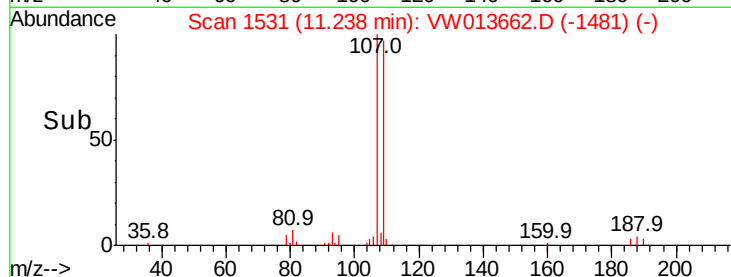
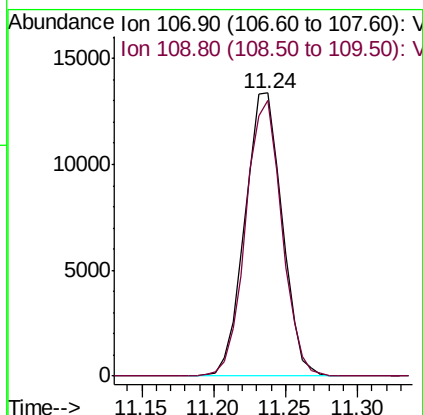
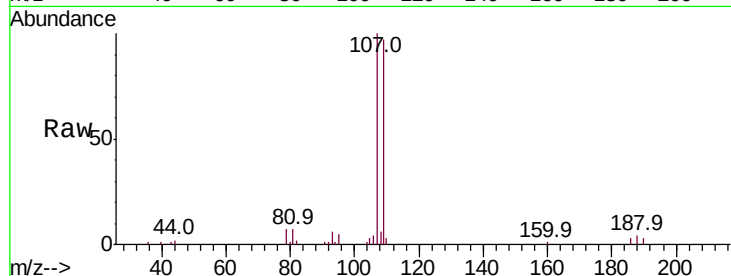




#61
 1,2-Dibromoethane
 Concen: 10.456 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.01 min
 Lab File: VW013662.D
 Acq: 23 Oct 2019 11:49

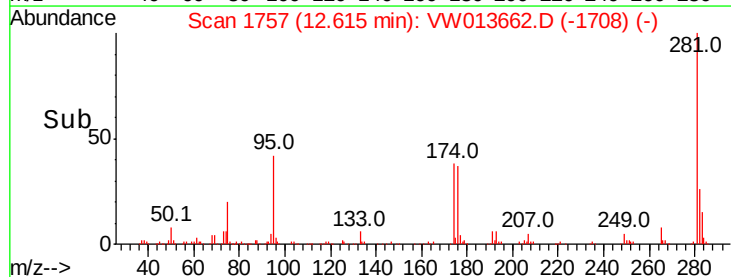
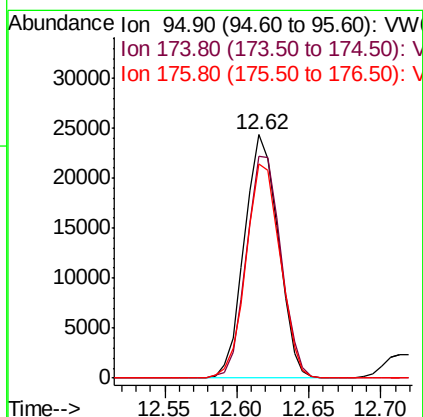
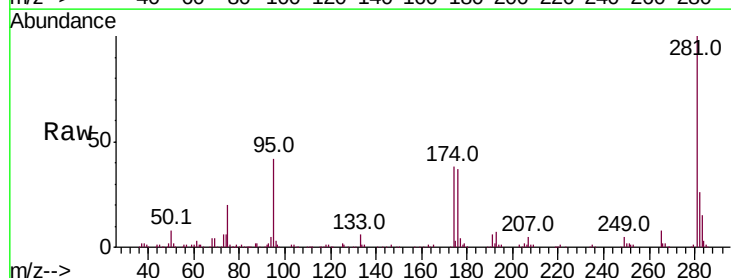
Instrument :
 MSVOA_W
 ClientSampled :

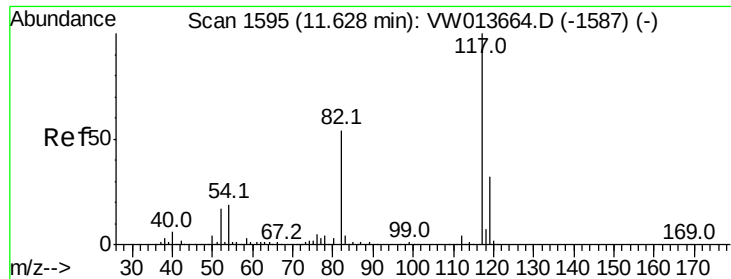
Tot Ion:107 Resp: 23867
 Ion Ratio Lower Upper
 107 100
 109 94.7 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 9.448 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013662.D
 Acq: 23 Oct 2019 11:49

Tgt Ion: 95 Resp: 39658
 Ion Ratio Lower Upper
 95 100
 174 92.8 0.0 183.6
 176 88.9 0.0 178.0

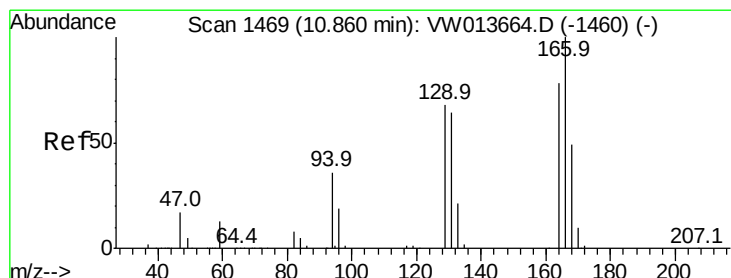
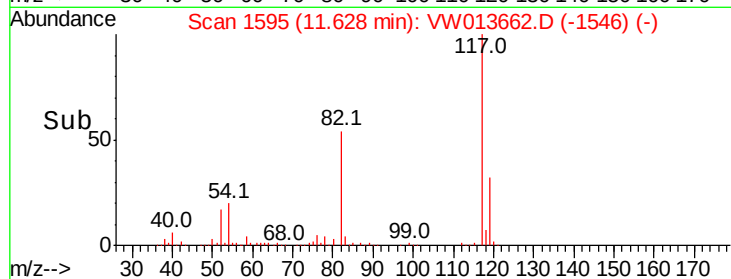
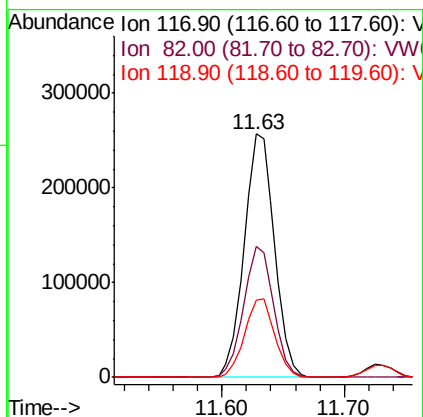
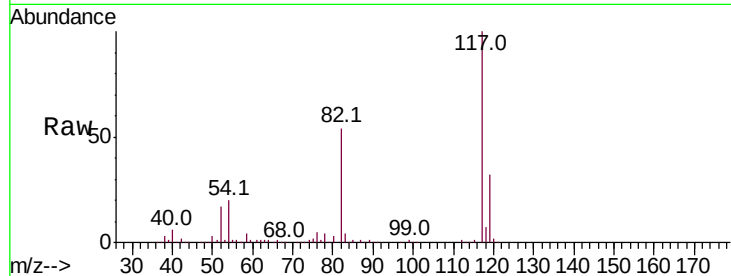




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013662.D
Acq: 23 Oct 2019 11:49

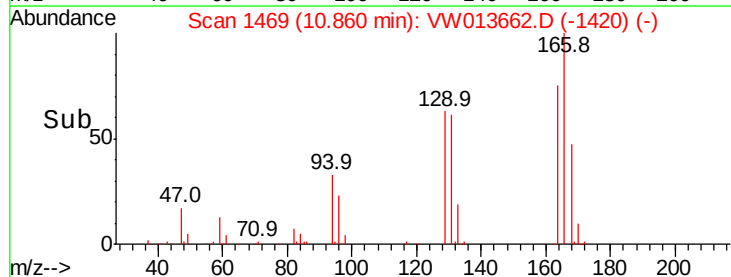
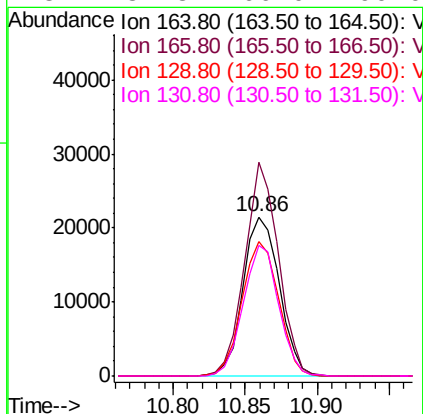
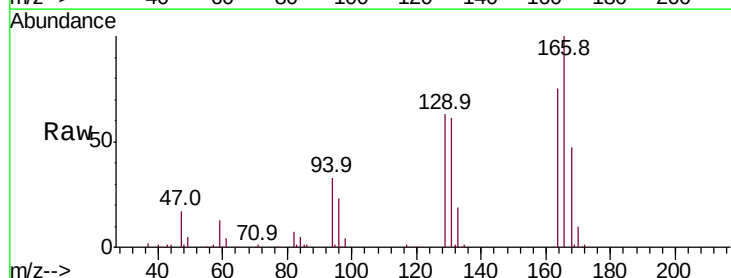
Instrument :
MSVOA_W
ClientSampleId :

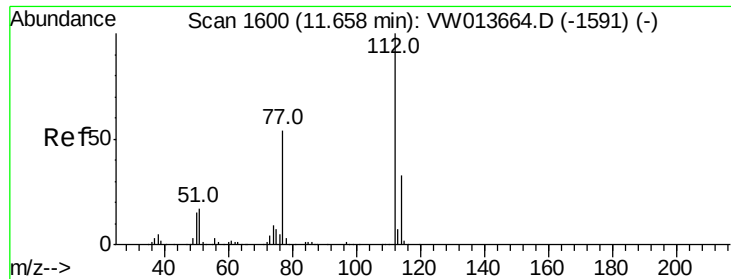
Tot Ion:117 Resp: 442968
Ion Ratio Lower Upper
117 100
82 53.8 43.6 65.4
119 31.5 25.4 38.2



#64
Tetrachloroethene
Concen: 11.393 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013662.D
Acq: 23 Oct 2019 11:49

Tgt Ion:164 Resp: 37393
Ion Ratio Lower Upper
164 100
166 134.0 103.2 154.8
129 84.4 70.6 105.8
131 82.3 66.0 99.0

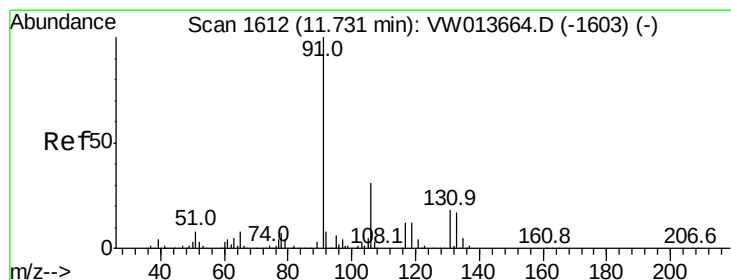
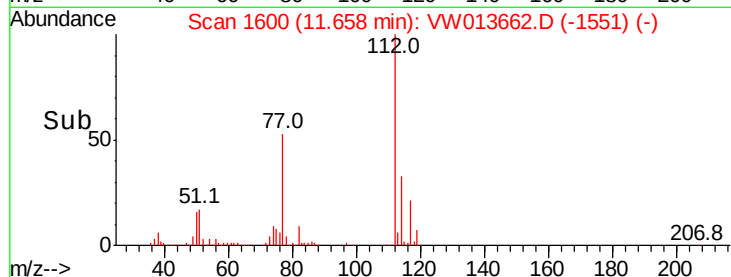
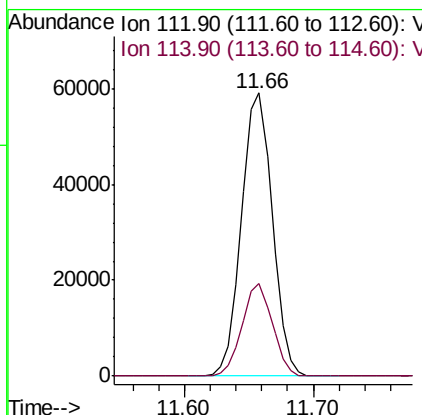
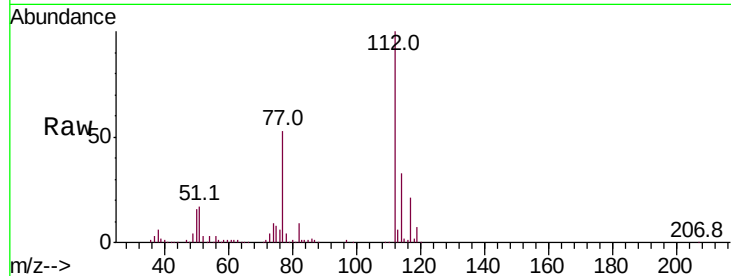




#65
Chlorobenzene
Concen: 11.052 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013662.D
Acq: 23 Oct 2019 11:49

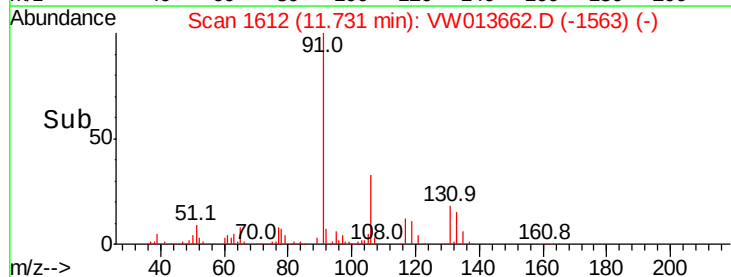
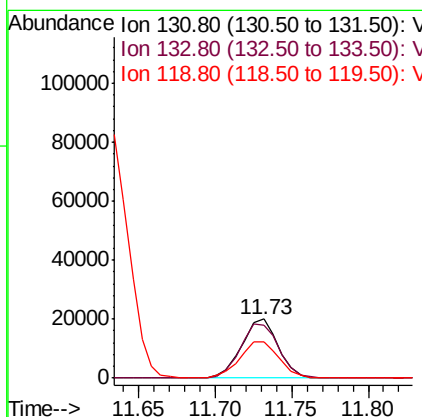
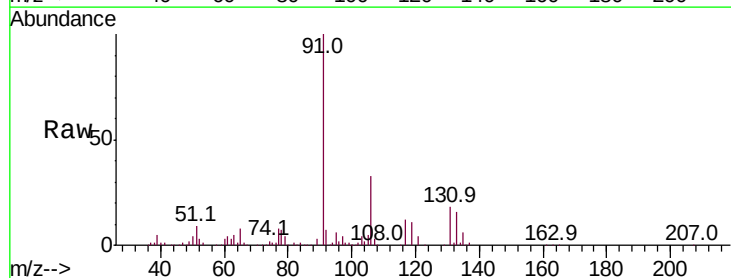
Instrument :
MSVOA_W
ClientSampleId :

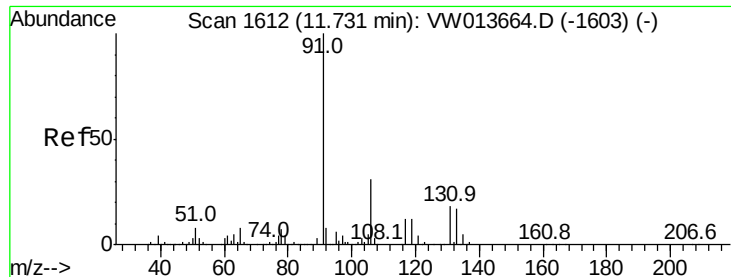
Tot Ion:112 Resp: 97816
Ion Ratio Lower Upper
112 100
114 32.8 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 10.762 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013662.D
Acq: 23 Oct 2019 11:49

Tgt Ion:131 Resp: 33167
Ion Ratio Lower Upper
131 100
133 96.5 47.4 142.3
119 67.0 33.1 99.2





#67

Ethyl Benzene

Concen: 10.835 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW013662.D

Acq: 23 Oct 2019 11:49

Instrument :

MSVOA_W

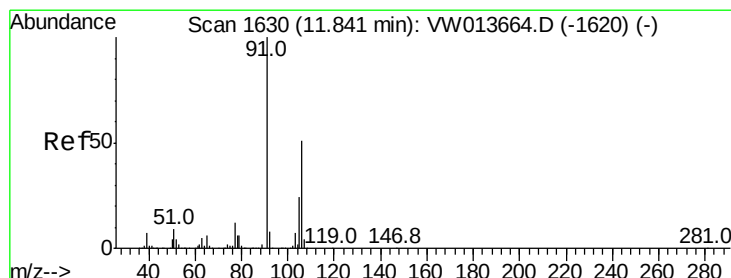
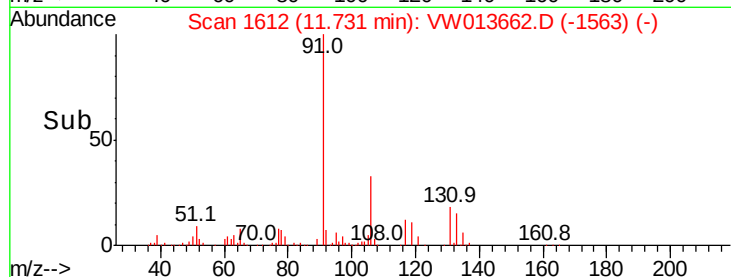
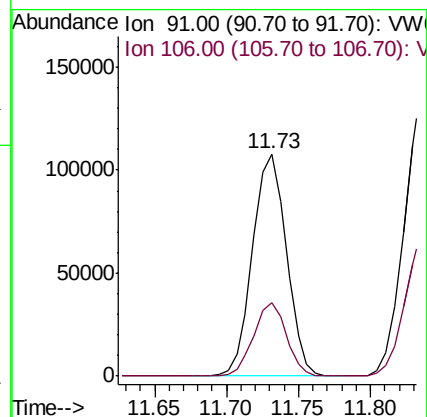
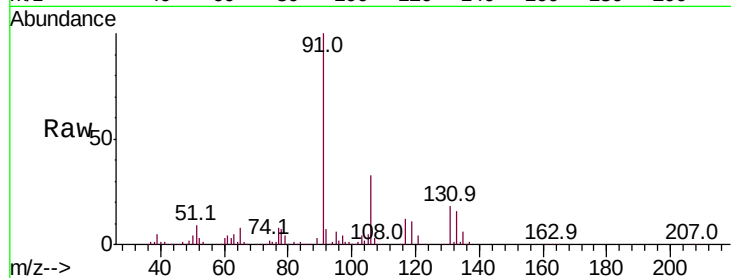
ClientSampled :

Tot Ion: 91 Resp: 175446

Ion Ratio Lower Upper

91 100

106 33.0 25.0 37.6



#68

m/p-Xylenes

Concen: 21.803 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW013662.D

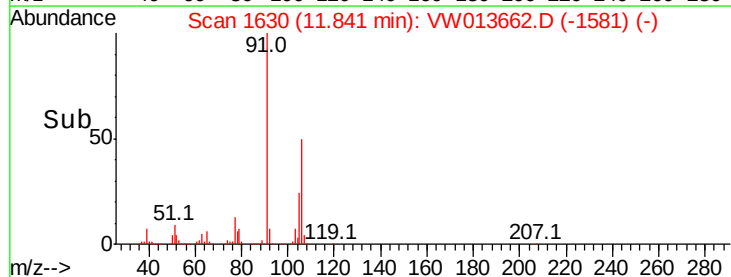
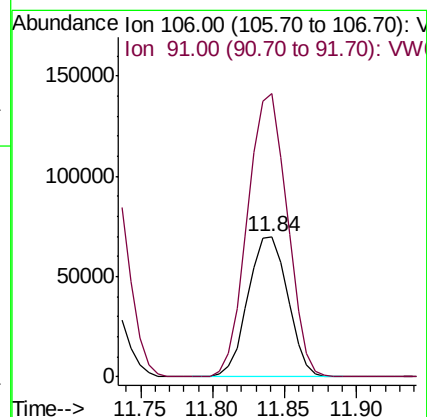
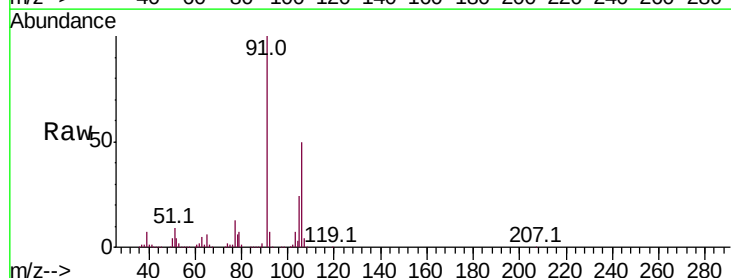
Acq: 23 Oct 2019 11:49

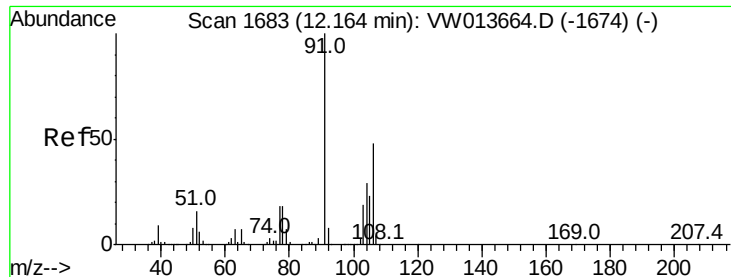
Tgt Ion:106 Resp: 134304

Ion Ratio Lower Upper

106 100

91 201.3 159.2 238.8

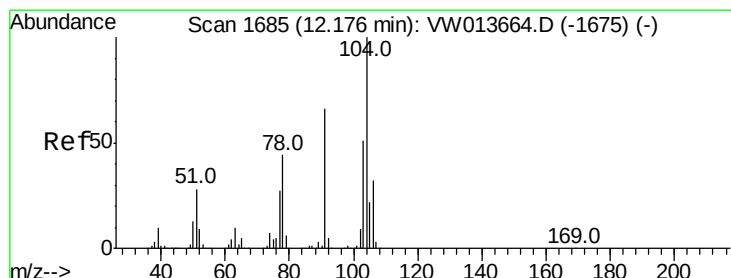
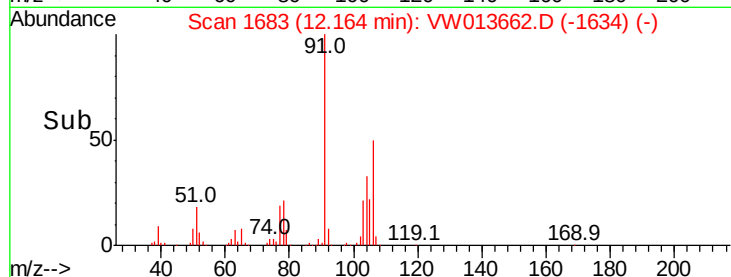
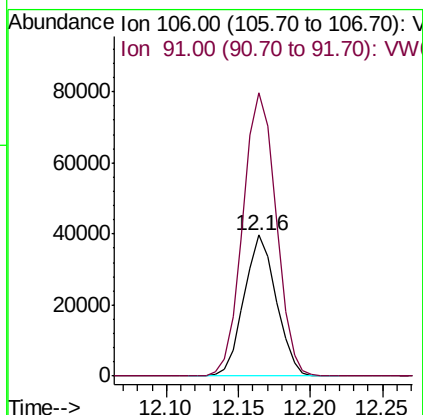
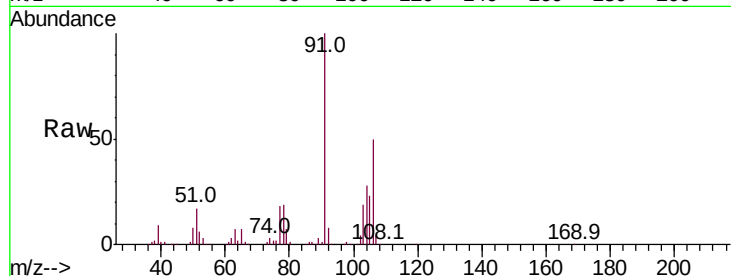




#69
o-Xylene
Concen: 10.829 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013662.D
Acq: 23 Oct 2019 11:49

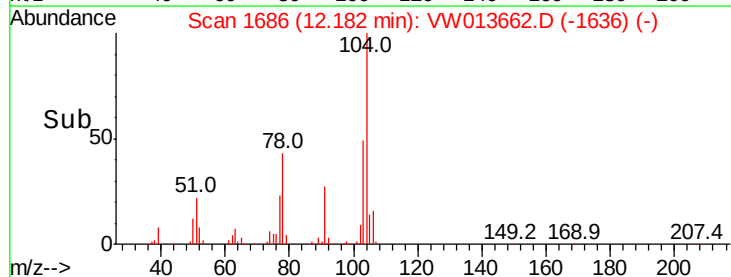
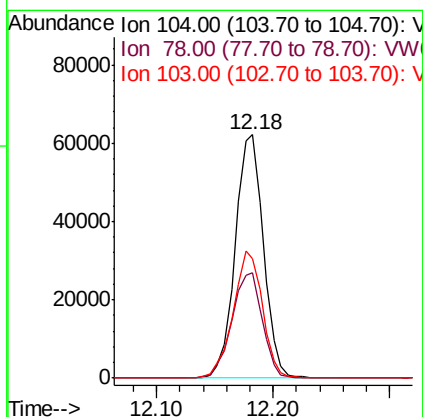
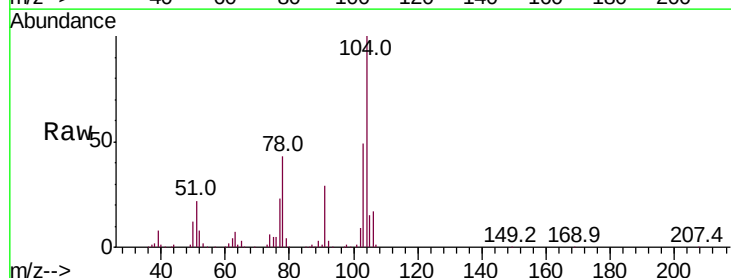
Instrument :
MSVOA_W
ClientSampled :

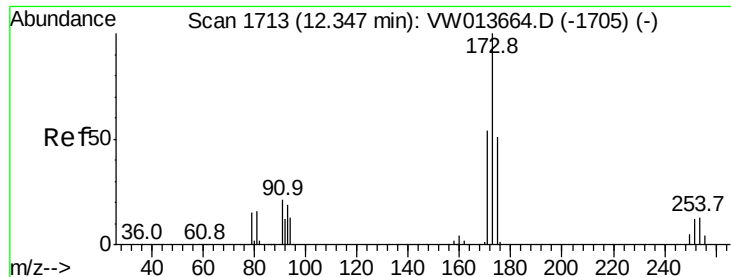
Tot Ion:106 Resp: 61744
Ion Ratio Lower Upper
106 100
91 207.0 104.9 314.7



#70
Styrene
Concen: 10.735 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VW013662.D
Acq: 23 Oct 2019 11:49

Tgt Ion:104 Resp: 105030
Ion Ratio Lower Upper
104 100
78 46.8 37.1 55.7
103 54.2 43.6 65.4





#71

Bromoform

Concen: 10.505 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013662.D

Acq: 23 Oct 2019 11:49

Instrument :

MSVOA_W

ClientSampled :

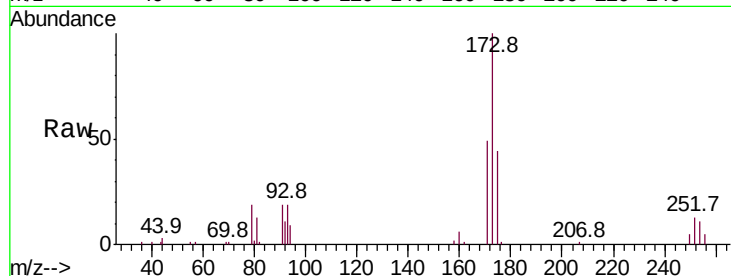
Tot Ion:173 Resp: 17610

Ion Ratio Lower Upper

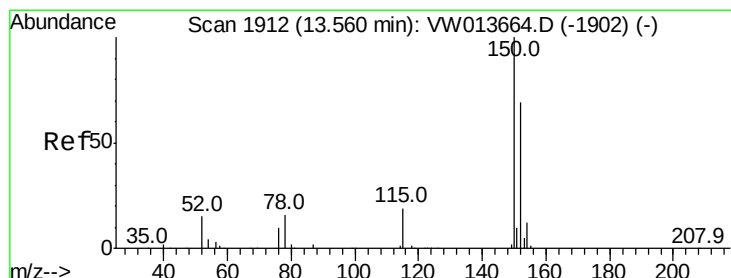
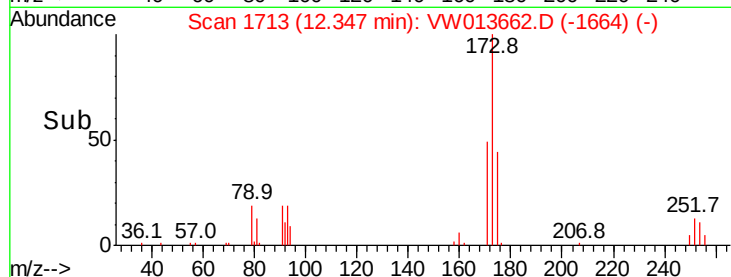
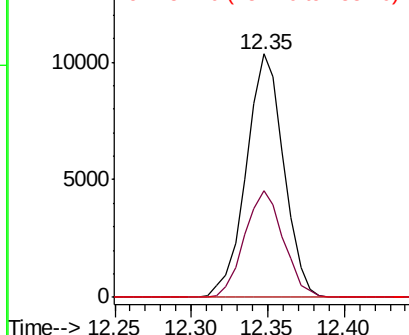
173 100

175 45.6 25.2 75.6

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW013662.D

Acq: 23 Oct 2019 11:49

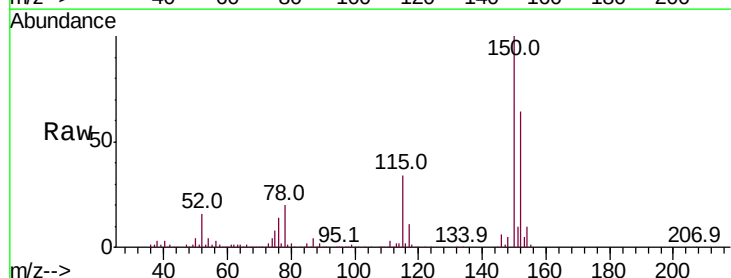
Tgt Ion:152 Resp: 225121

Ion Ratio Lower Upper

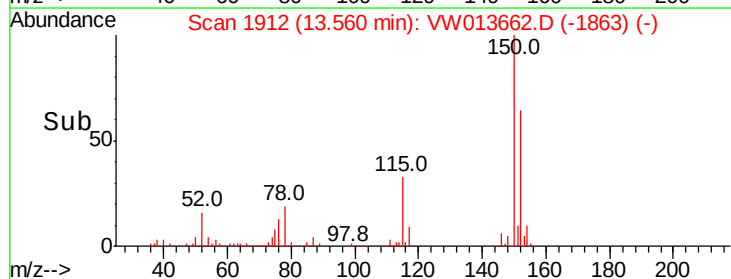
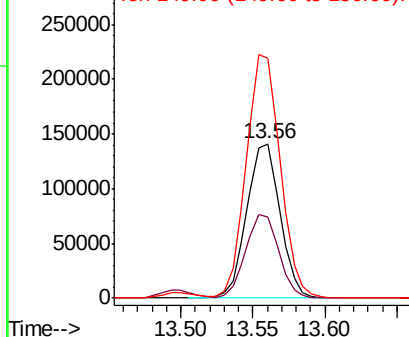
152 100

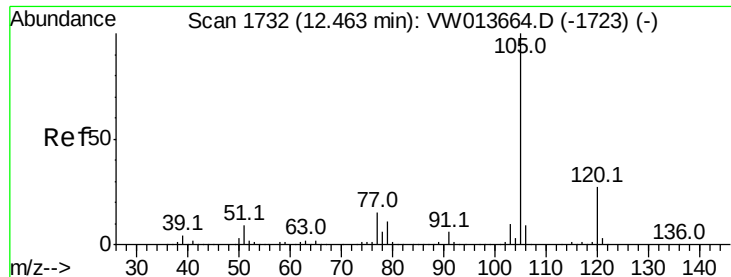
115 54.1 27.4 82.2

150 160.9 0.0 345.4



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

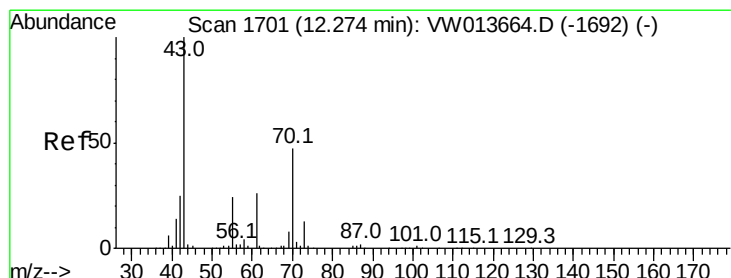
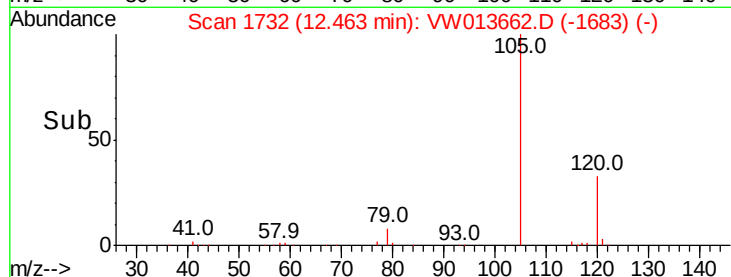
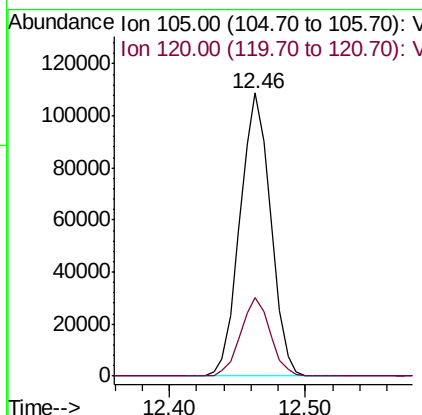
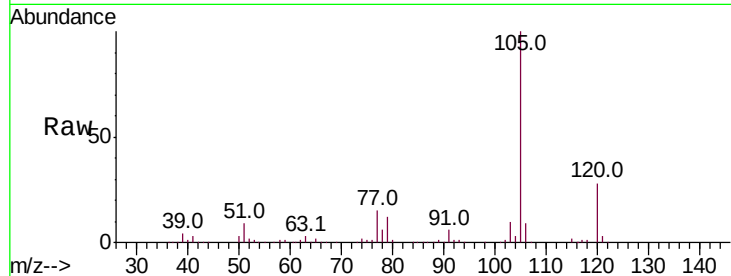




#73
Isopropylbenzene
Concen: 10.583 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW013662.D
Acq: 23 Oct 2019 11:49

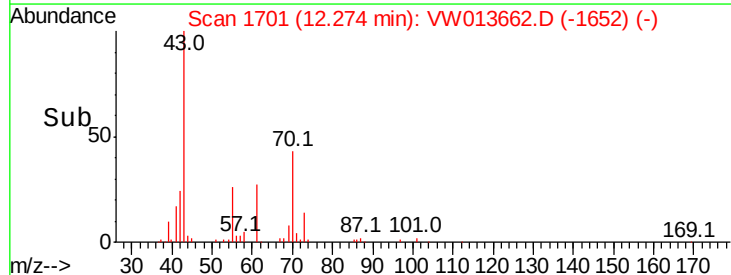
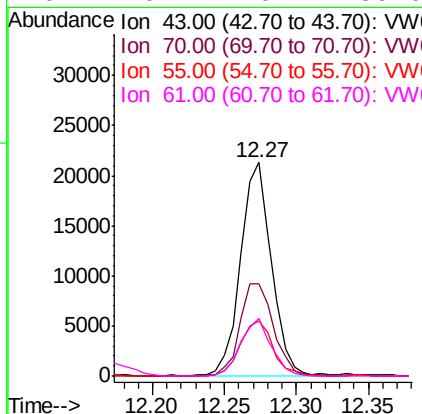
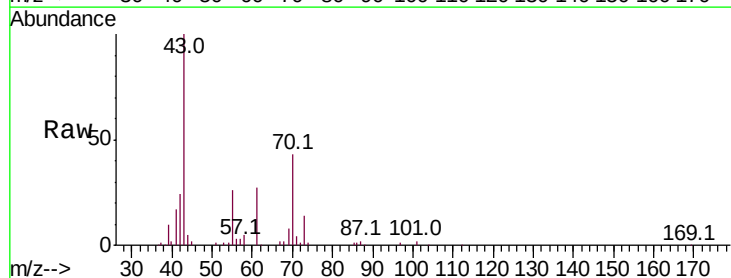
Instrument :
MSVOA_W
ClientSampled :

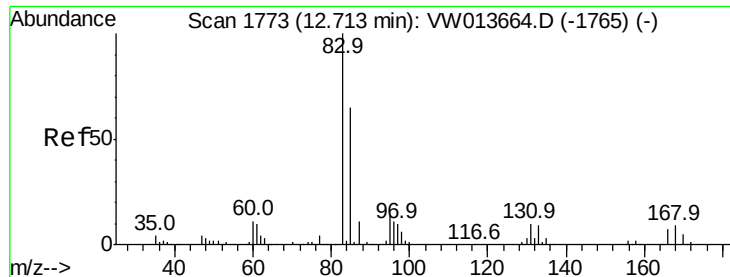
Tot Ion:105 Resp: 170998
Ion Ratio Lower Upper
105 100
120 26.8 13.5 40.4



#74
N-ethyl acetate
Concen: 9.174 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW013662.D
Acq: 23 Oct 2019 11:49

Tgt Ion: 43 Resp: 31830
Ion Ratio Lower Upper
43 100
70 46.9 36.6 55.0
55 26.9 20.3 30.5
61 26.4 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 10.277 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013662.D

Acq: 23 Oct 2019 11:49

Instrument :

MSVOA_W

ClientSampleId :

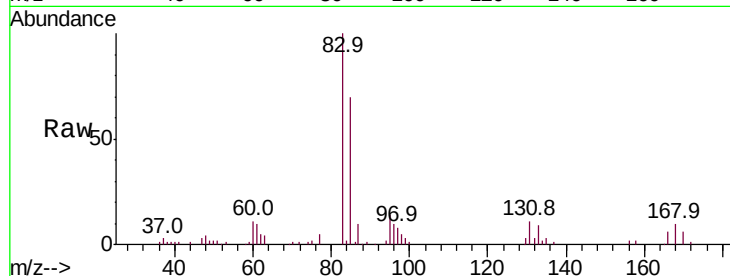
Tot Ion: 83 Resp: 27967

Ion	Ratio	Lower	Upper
83	100		
131	11.0	5.7	17.1
85	65.6	32.5	97.4

83 100

131 11.0 5.7 17.1

85 65.6 32.5 97.4



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

12.71

15000

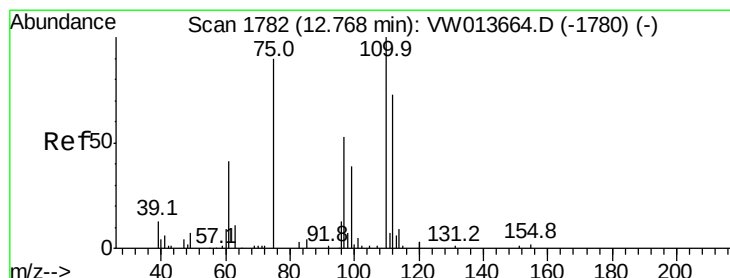
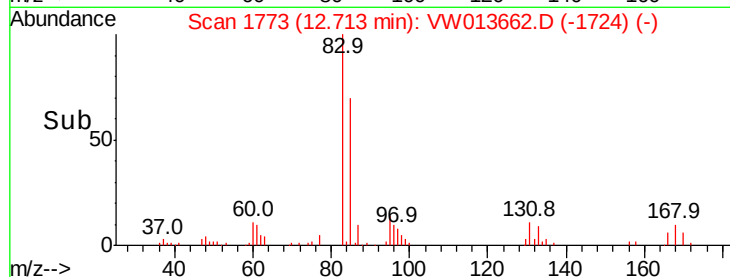
10000

5000

0

12.65 12.70 12.75

Time-->



#76

1,2,3-Trichloropropane

Concen: 18.881 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW013662.D

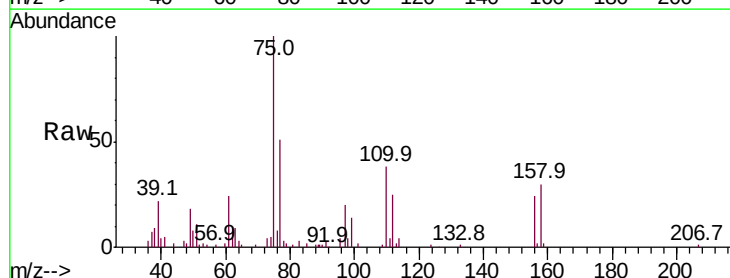
Acq: 23 Oct 2019 11:49

Tgt Ion: 75 Resp: 34921

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

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

40000

30000

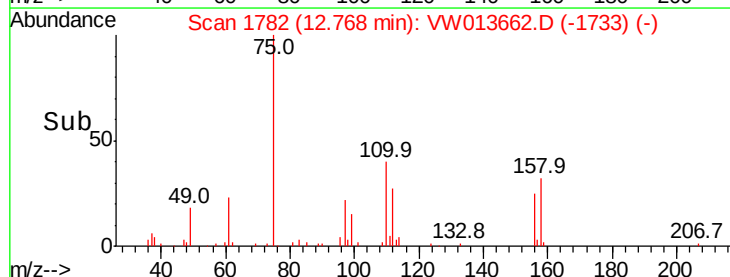
20000

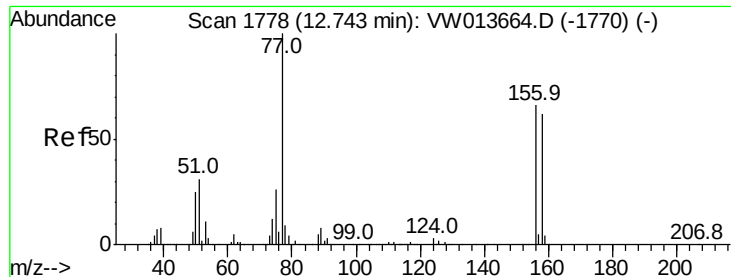
10000

0

12.70 12.75 12.80

Time-->





#77

Bromobenzene

Concen: 10.678 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013662.D

Acq: 23 Oct 2019 11:49

Instrument :

MSVOA_W

ClientSampleId :

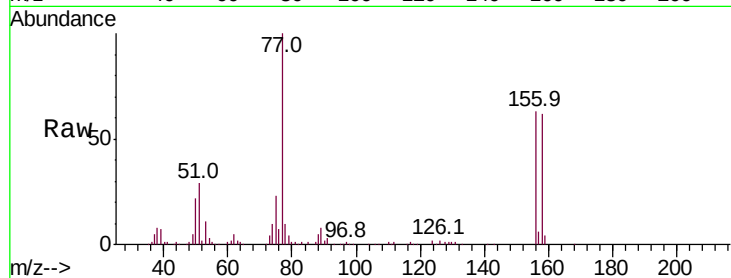
Tot Ion:156 Resp: 41028

Ion Ratio Lower Upper

156 100

77 168.6 82.9 248.7

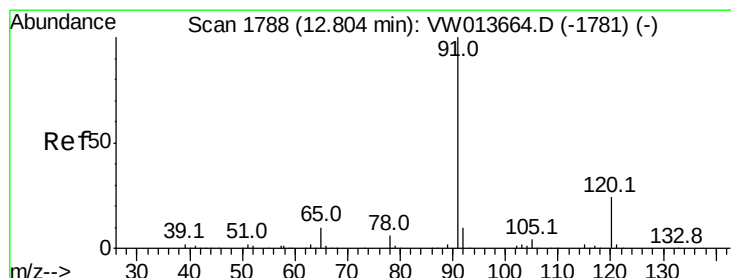
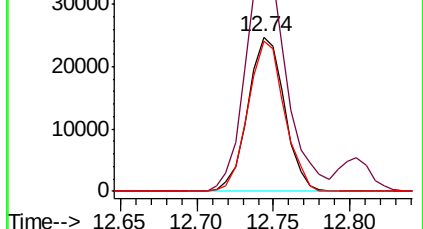
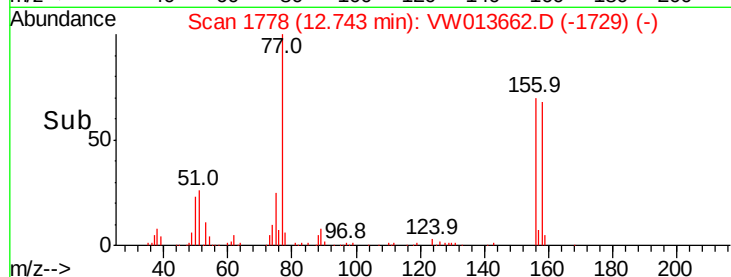
158 97.1 48.4 145.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 10.791 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013662.D

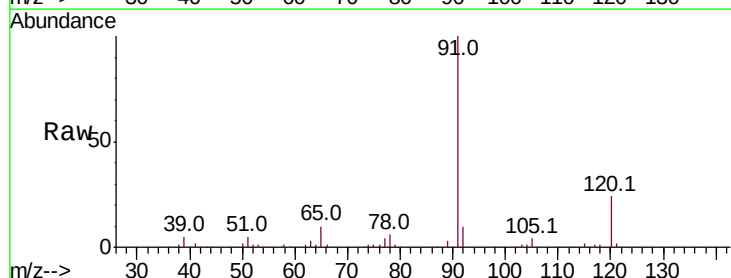
Acq: 23 Oct 2019 11:49

Tgt Ion: 91 Resp: 201712

Ion Ratio Lower Upper

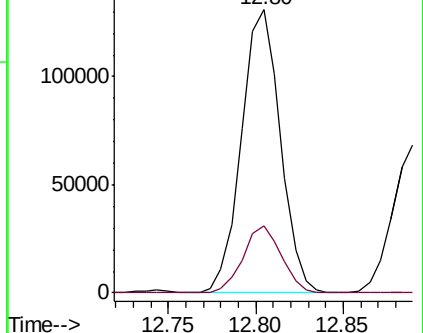
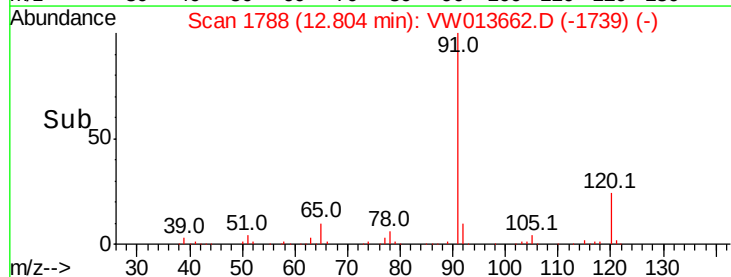
91 100

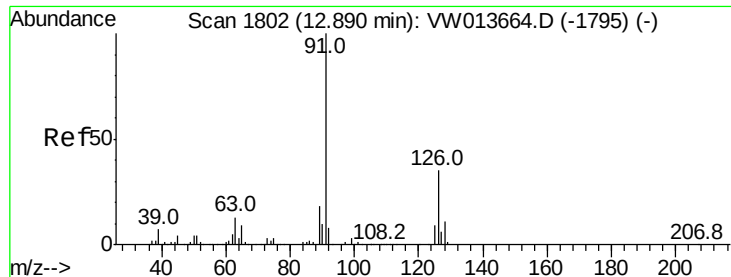
120 23.4 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 10.655 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013662.D

Acq: 23 Oct 2019 11:49

Instrument :

MSVOA_W

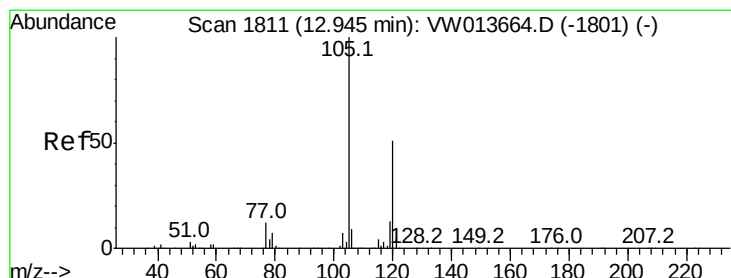
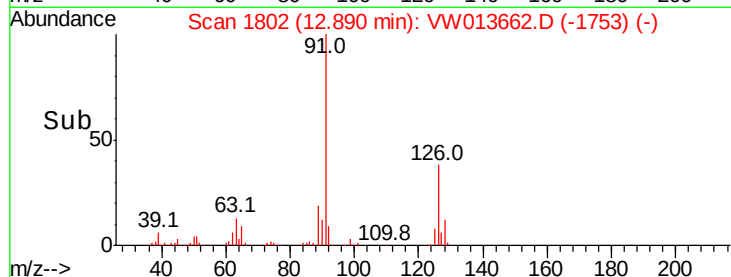
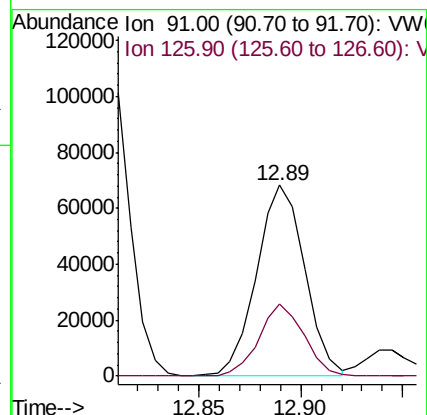
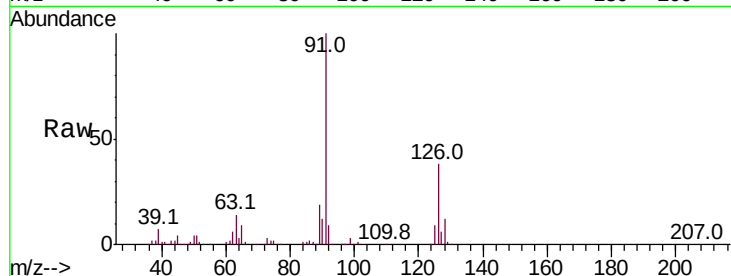
ClientSampled :

Tot Ion: 91 Resp: 111789

Ion Ratio Lower Upper

91 100

126 35.6 17.4 52.2



#80

1,3,5-Trimethylbenzene

Concen: 10.985 ug/l

RT: 12.94 min Scan# 1810

Delta R.T. -0.01 min

Lab File: VW013662.D

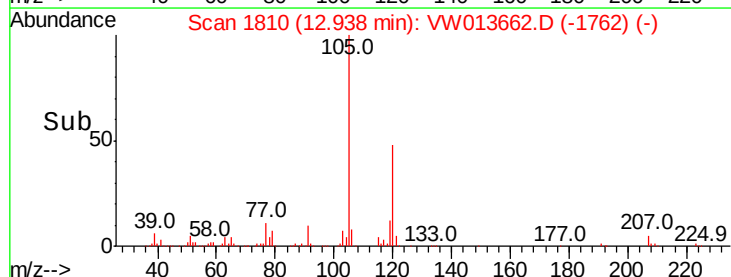
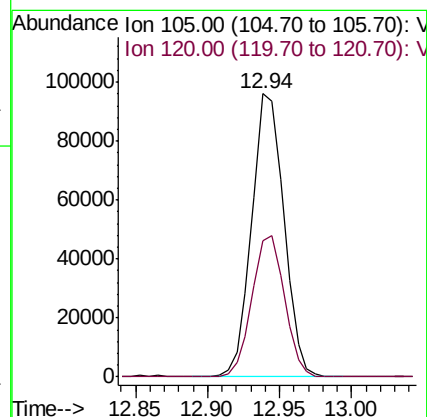
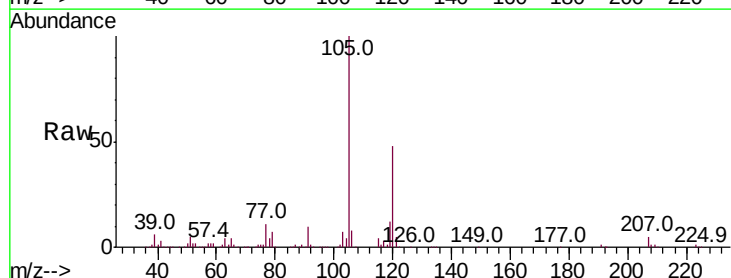
Acq: 23 Oct 2019 11:49

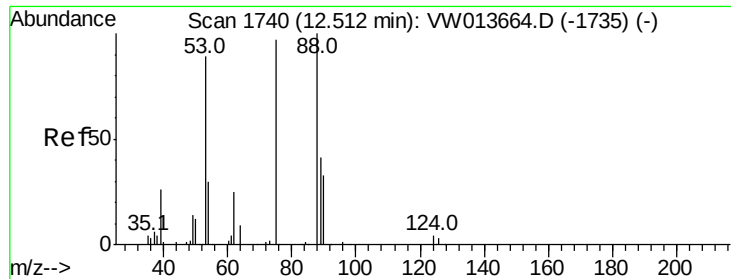
Tgt Ion:105 Resp: 148198

Ion Ratio Lower Upper

105 100

120 50.5 25.1 75.3

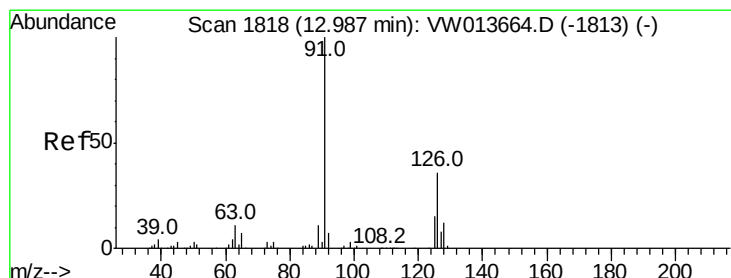
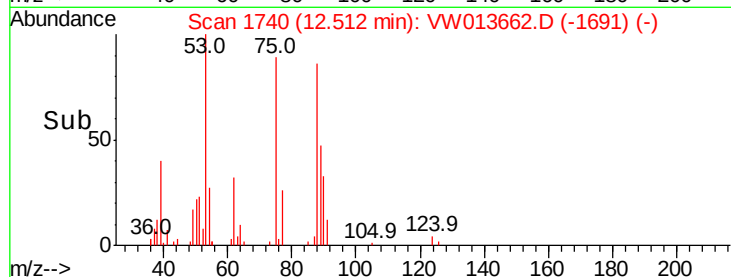
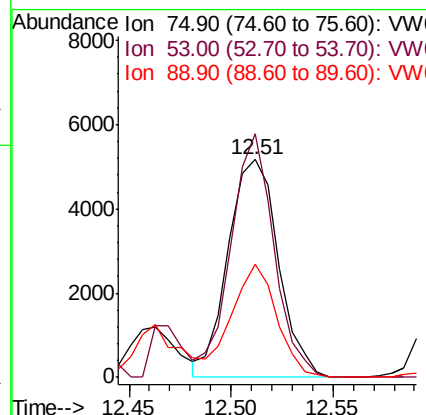
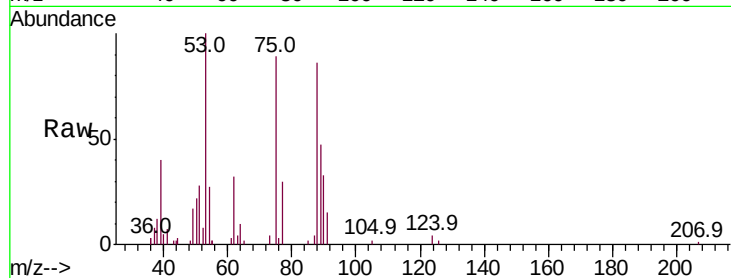




#81
trans-1,4-Dichloro-2-butene
Concen: 9.712 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW013662.D
Acq: 23 Oct 2019 11:49

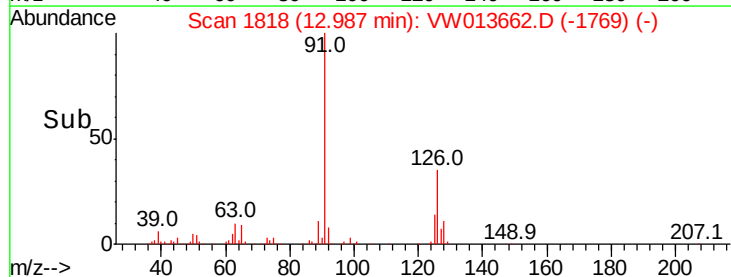
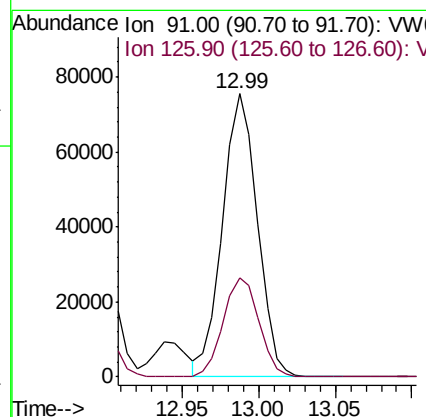
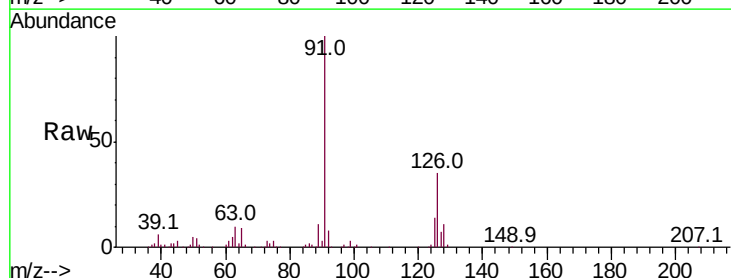
Instrument :
MSVOA_W
ClientSampleId :

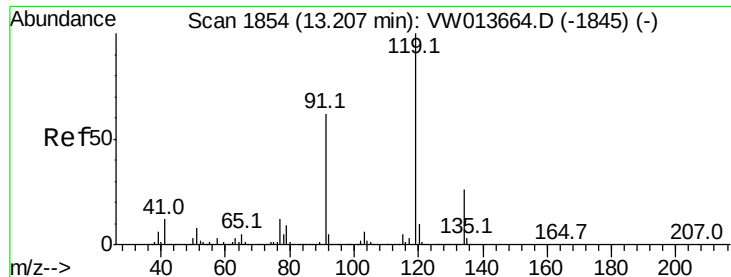
Tot Ion: 75 Resp: 8815
Ion Ratio Lower Upper
75 100
53 96.2 71.7 107.5
89 46.0 35.8 53.8



#82
4-Chlorotoluene
Concen: 10.884 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW013662.D
Acq: 23 Oct 2019 11:49

Tgt Ion: 91 Resp: 118797
Ion Ratio Lower Upper
91 100
126 36.3 17.2 51.5

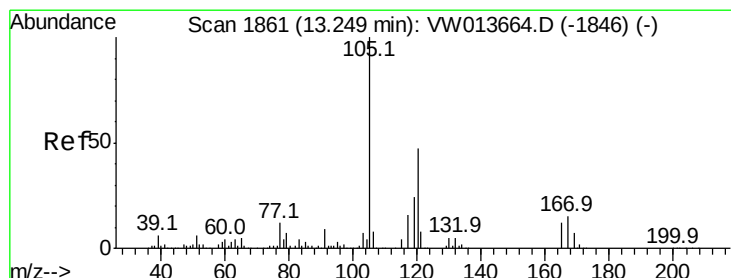
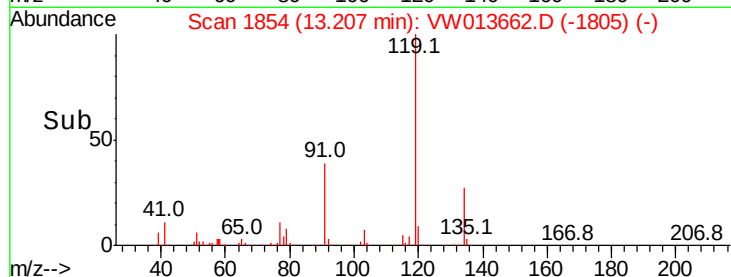
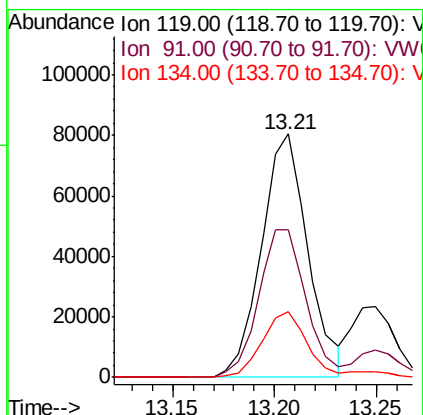
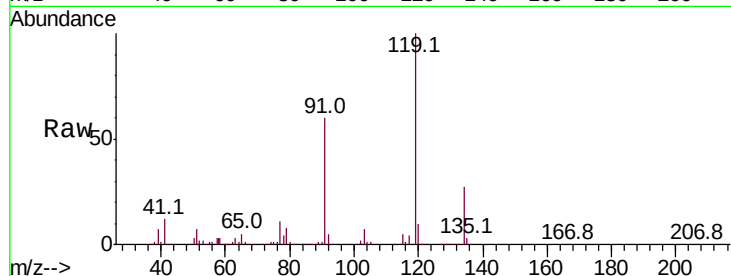




#83
tert-Butylbenzene
Concen: 10.674 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW013662.D
Acq: 23 Oct 2019 11:49

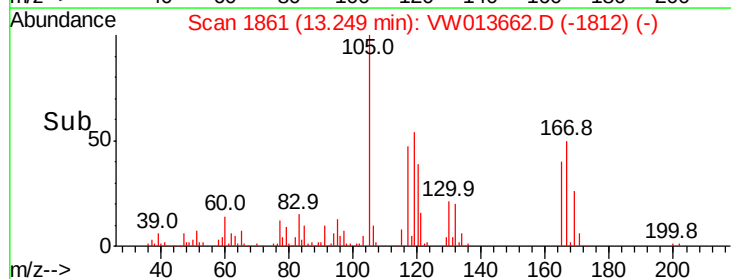
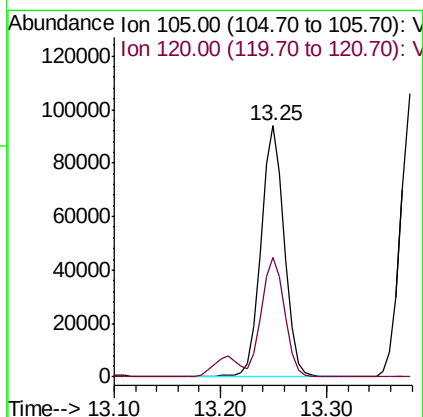
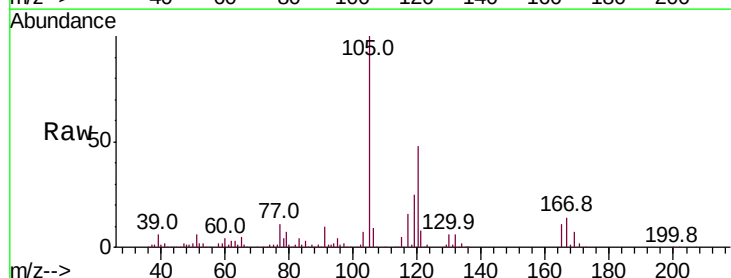
Instrument :
MSVOA_W
ClientSampled :

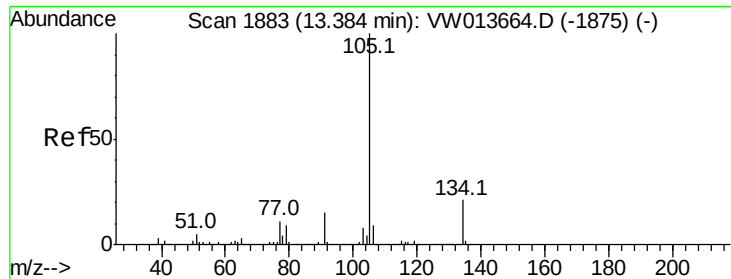
Tot Ion:119 Resp: 127876
Ion Ratio Lower Upper
119 100
91 61.5 30.4 91.3
134 26.1 13.6 40.8



#84
1,2,4-Trimethylbenzene
Concen: 10.764 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW013662.D
Acq: 23 Oct 2019 11:49

Tgt Ion:105 Resp: 143618
Ion Ratio Lower Upper
105 100
120 47.0 23.5 70.5





#85

sec-Butylbenzene

Concen: 10.799 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW013662.D

Acq: 23 Oct 2019 11:49

Instrument :

MSVOA_W

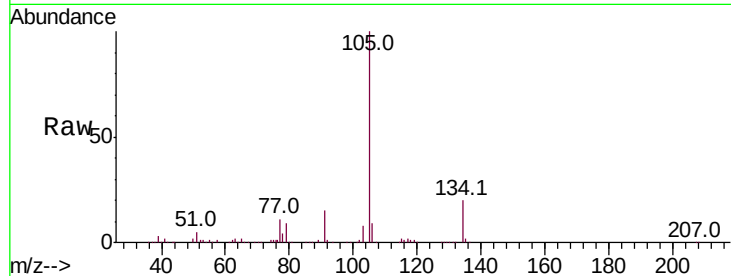
ClientSampled :

Tot Ion:105 Resp: 178080

Ion Ratio Lower Upper

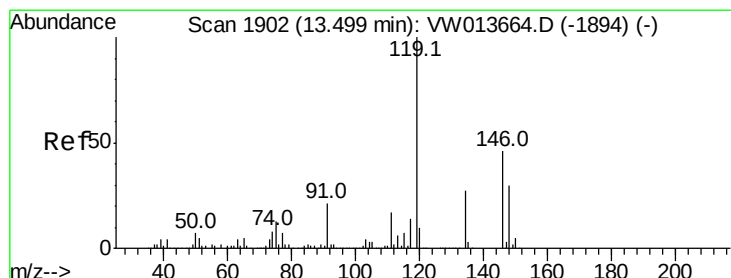
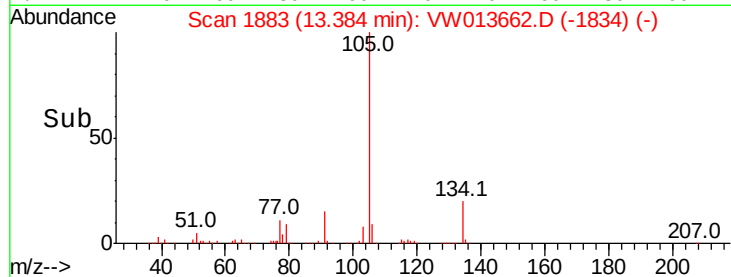
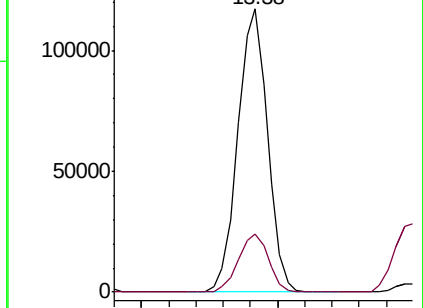
105 100

134 20.8 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 10.838 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW013662.D

Acq: 23 Oct 2019 11:49

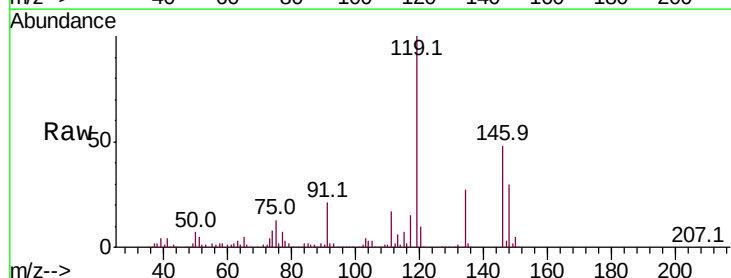
Tgt Ion:119 Resp: 164624

Ion Ratio Lower Upper

119 100

134 27.2 13.4 40.1

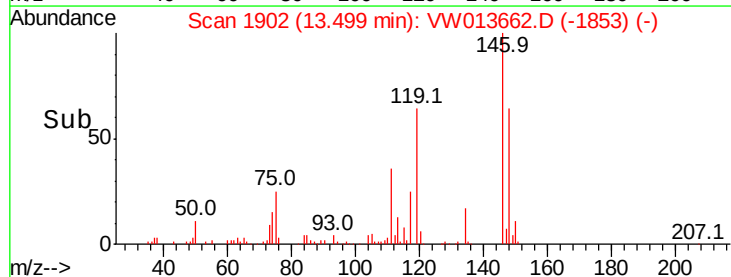
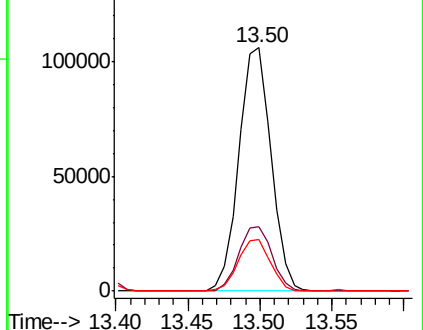
91 21.6 10.8 32.3

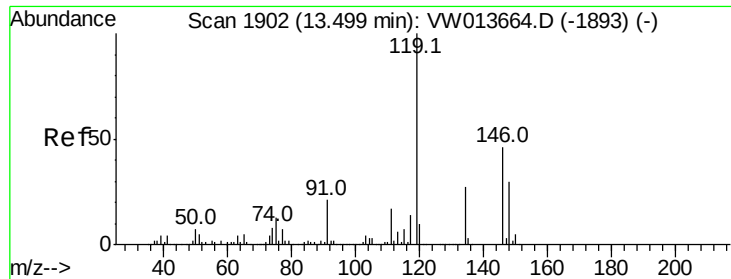


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

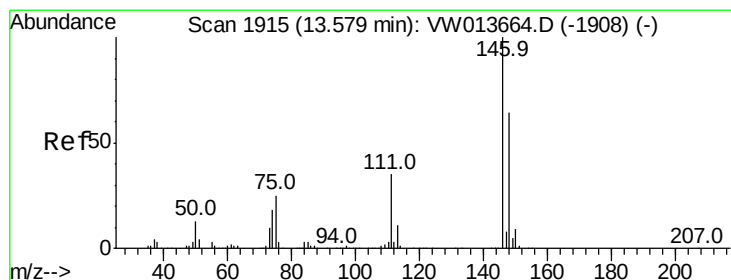
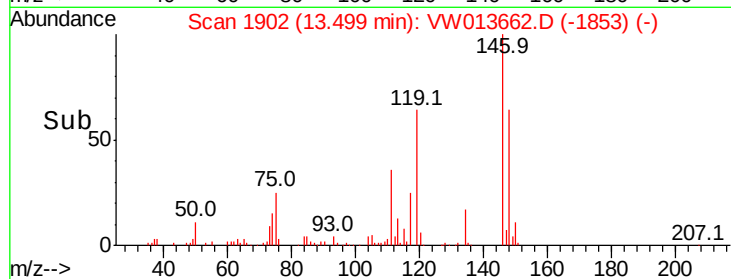
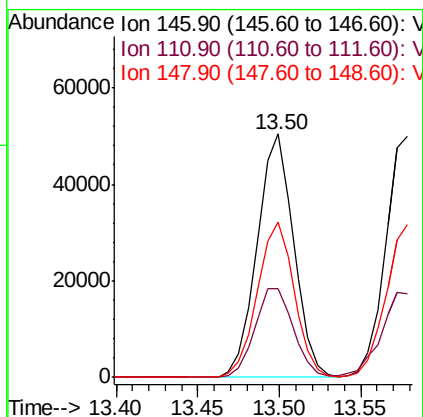
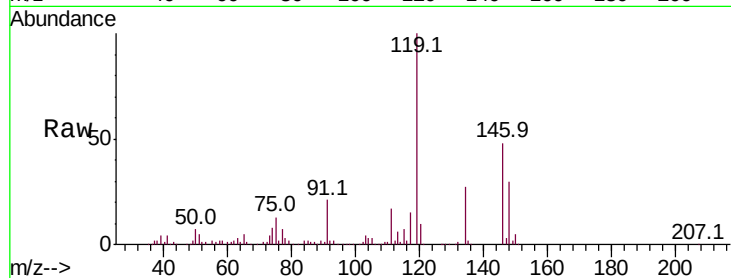




#87
 1,3-Dichlorobenzene
 Concen: 10.769 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013662.D
 Acq: 23 Oct 2019 11:49

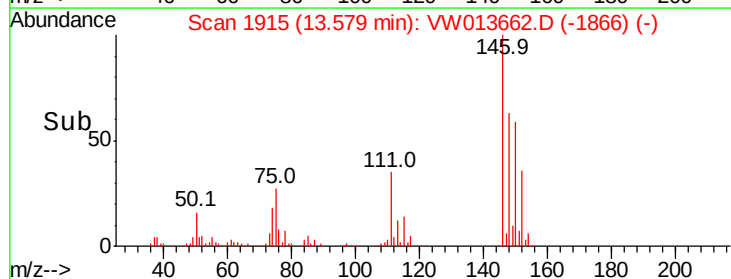
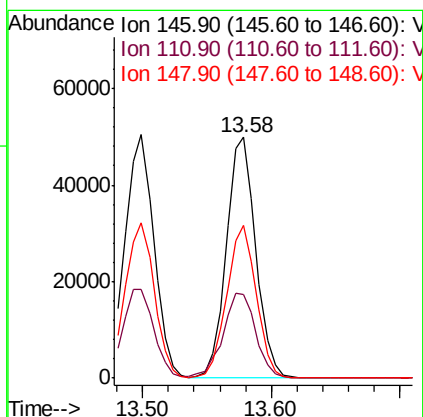
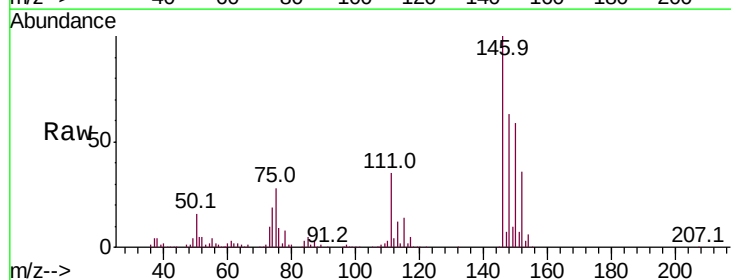
Instrument :
 MSVOA_W
 ClientSampleId :

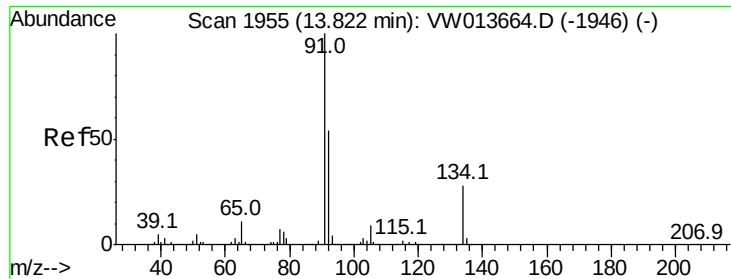
Tot Ion:146 Resp: 78663
 Ion Ratio Lower Upper
 146 100
 111 38.5 18.6 56.0
 148 64.6 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 11.158 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013662.D
 Acq: 23 Oct 2019 11:49

Tgt Ion:146 Resp: 79872
 Ion Ratio Lower Upper
 146 100
 111 39.5 18.1 54.3
 148 63.7 32.0 96.2

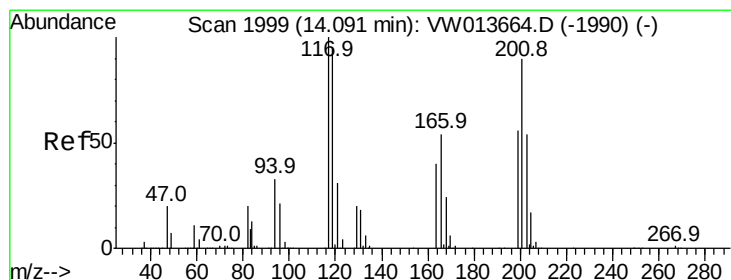
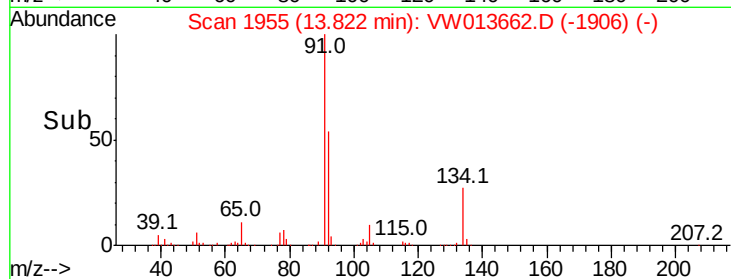
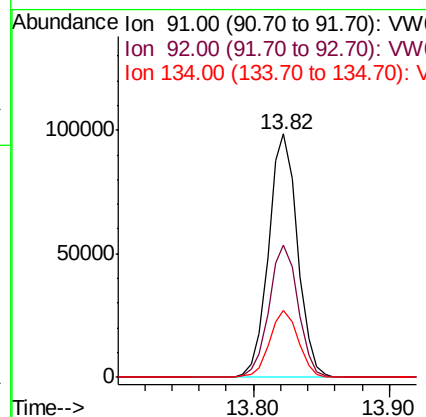
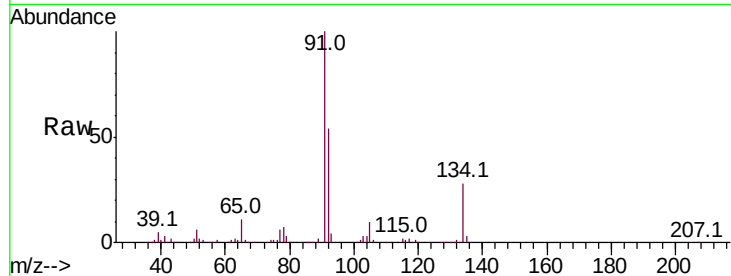




#89
n-Butylbenzene
Concen: 10.700 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW013662.D
Acq: 23 Oct 2019 11:49

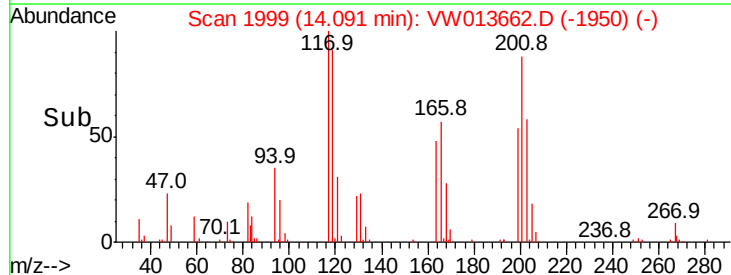
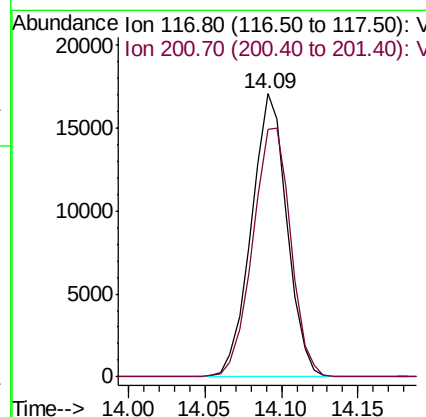
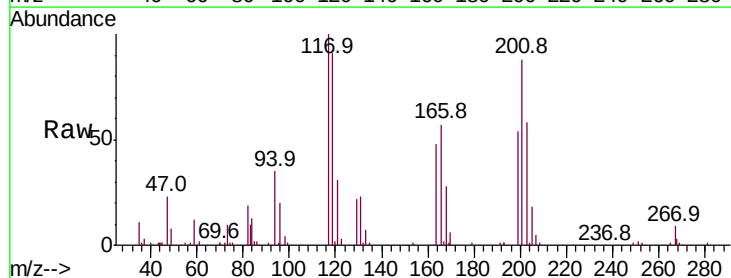
Instrument :
MSVOA_W
ClientSampled :

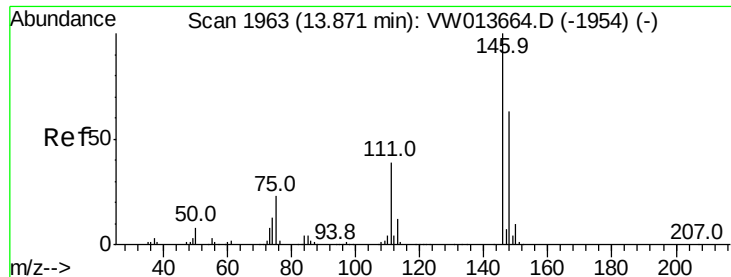
Tot Ion: 91 Resp: 146755
Ion Ratio Lower Upper
91 100
92 54.8 27.5 82.4
134 27.6 14.0 41.9



#90
Hexachloroethane
Concen: 10.568 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW013662.D
Acq: 23 Oct 2019 11:49

Tgt Ion: 117 Resp: 27650
Ion Ratio Lower Upper
117 100
201 93.8 46.1 138.2





#91

1,2-Dichlorobenzene

Concen: 10.913 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW013662.D

Acq: 23 Oct 2019 11:49

Instrument :

MSVOA_W

ClientSampleId :

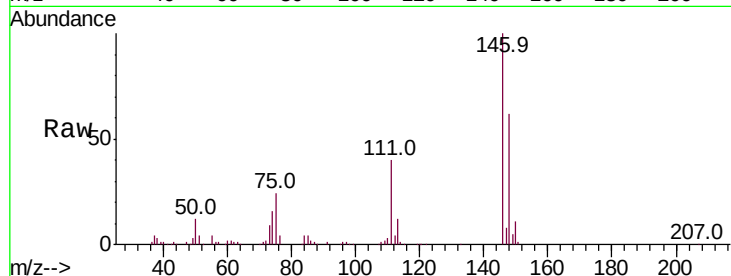
Tot Ion:146 Resp: 70161

Ion Ratio Lower Upper

146 100

111 40.5 19.9 59.6

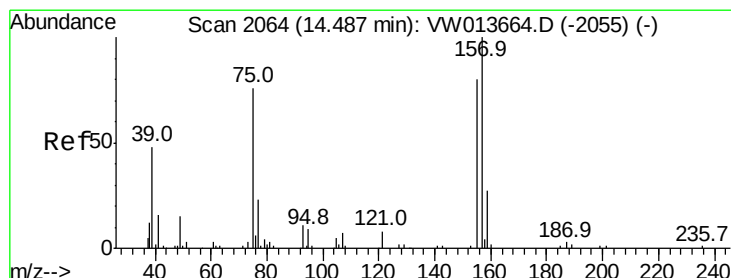
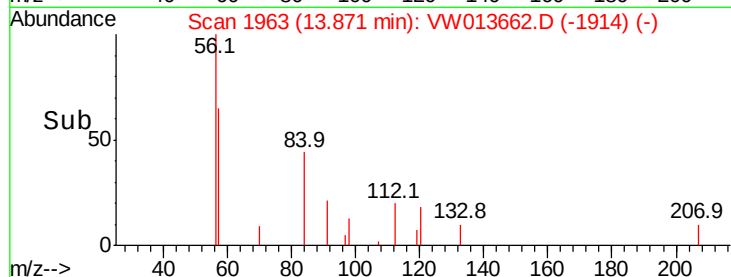
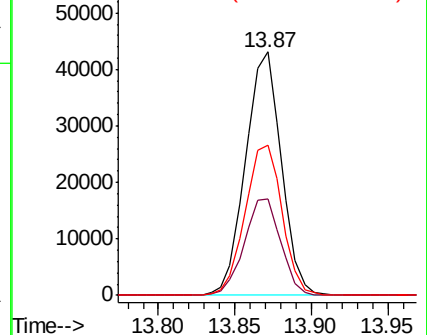
148 63.9 31.9 95.9



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: 10.046 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW013662.D

Acq: 23 Oct 2019 11:49

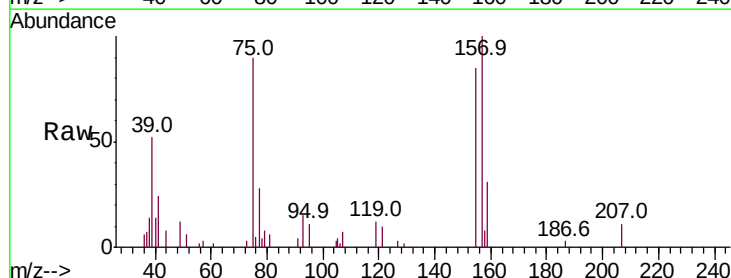
Tgt Ion: 75 Resp: 4331

Ion Ratio Lower Upper

75 100

155 97.5 51.9 155.7

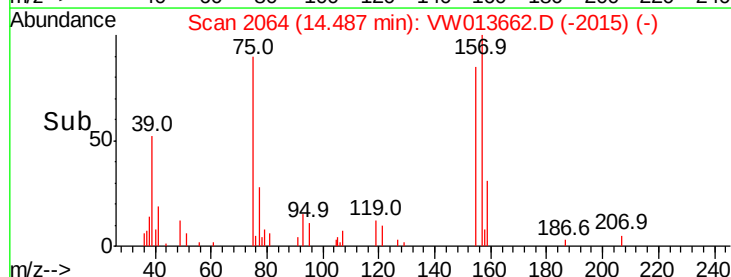
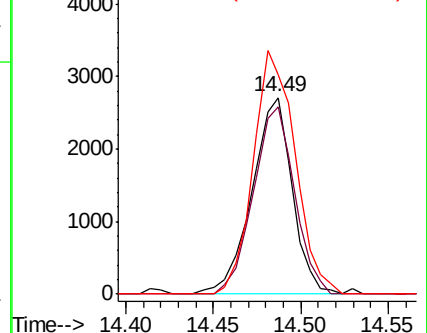
157 128.6 64.8 194.3

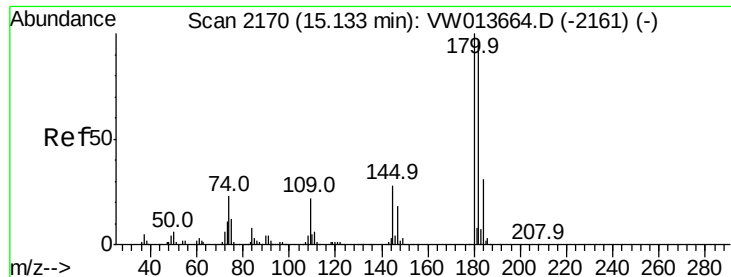


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

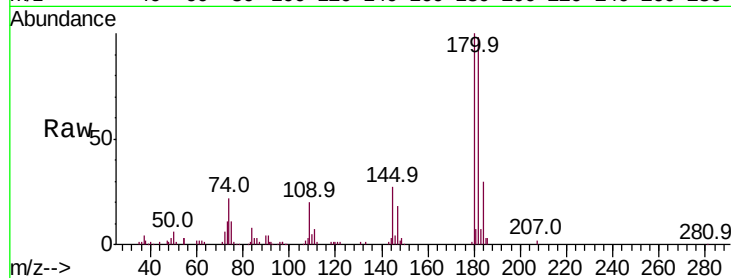




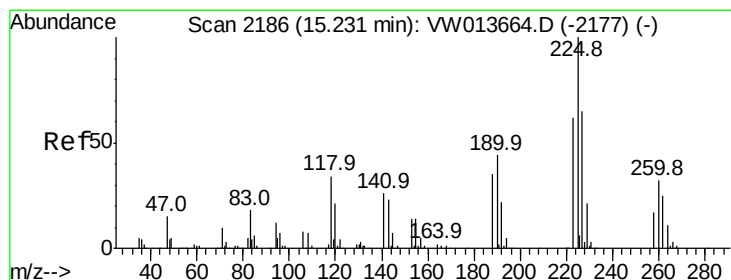
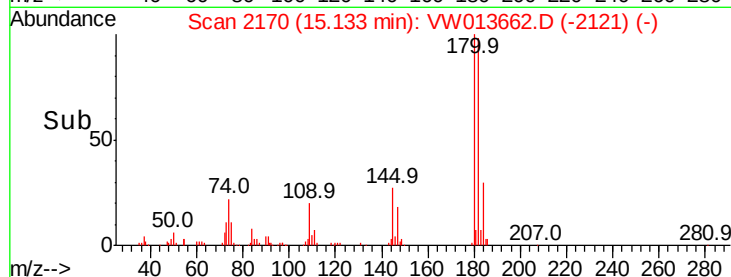
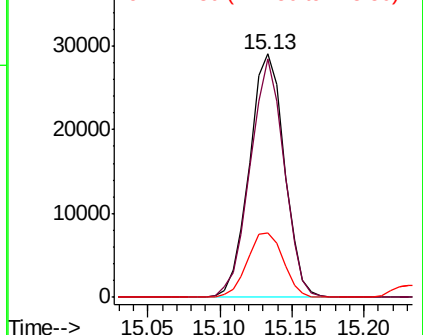
#93
 1,2,4-Trichlorobenzene
 Concen: 10.672 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013662.D
 Acq: 23 Oct 2019 11:49

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.4	142.2
145	27.3	14.1	42.3

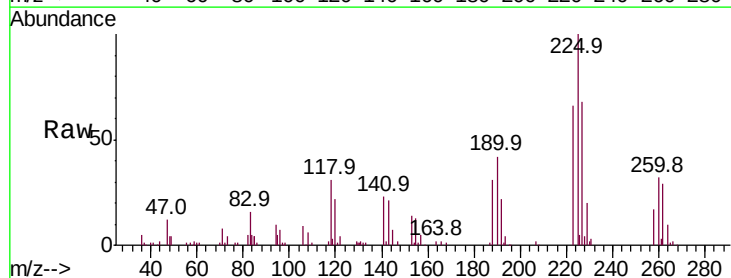


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

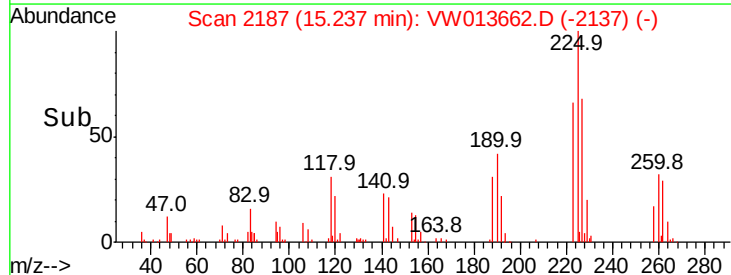
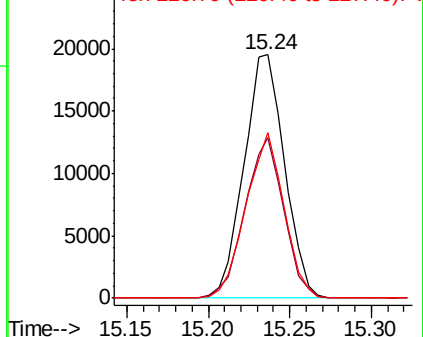


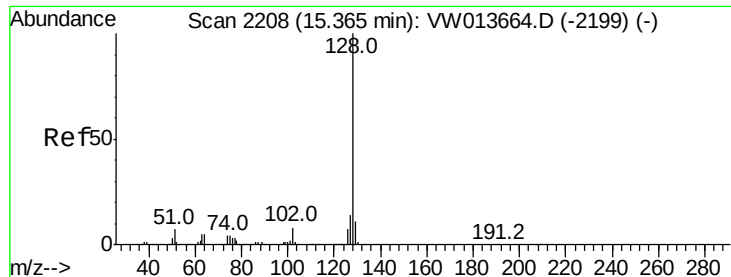
#94
 Hexachlorobutadiene
 Concen: 11.116 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.01 min
 Lab File: VW013662.D
 Acq: 23 Oct 2019 11:49

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.9	95.9
227	63.3	32.5	97.4



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

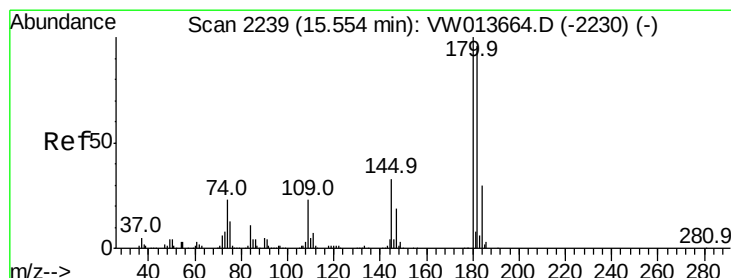
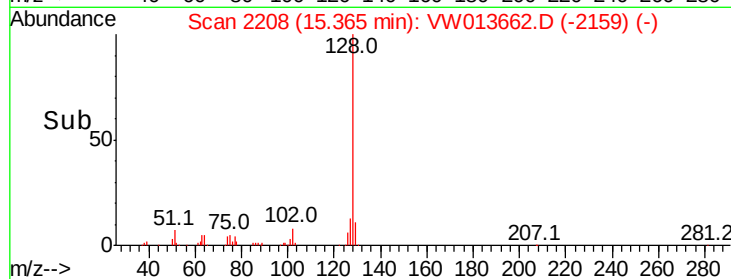
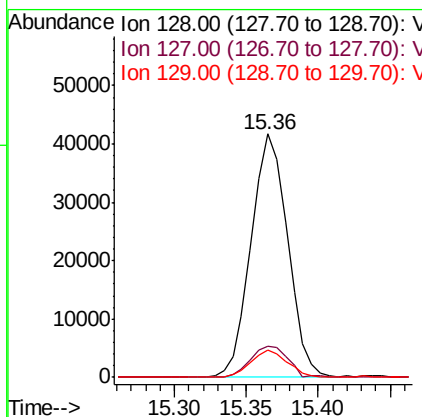
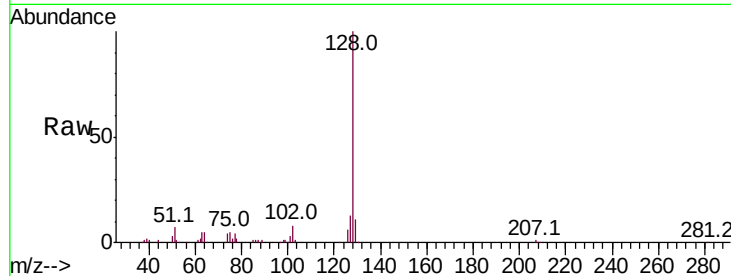




#95
Naphthalene
Concen: 9.405 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013662.D
Acq: 23 Oct 2019 11:49

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:128 Resp: 73466
Ion Ratio Lower Upper
128 100
127 13.0 10.6 15.8
129 11.2 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 10.362 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013662.D
Acq: 23 Oct 2019 11:49

Tgt Ion:180 Resp: 41402
Ion Ratio Lower Upper
180 100
182 95.1 47.4 142.3
145 29.6 14.9 44.9

