

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082319\
 Data File : VW012128.D
 Acq On : 23 Aug 2019 11:29
 Operator : SY/VA
 Sample : VSTDIC100
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Quant Time: Aug 26 07:08:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:02:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	256006	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	401653	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	351361	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	164081	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	284415	93.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	186.92%	
35) Dibromofluoromethane	7.88	113	228491	95.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	190.60%	
50) Toluene-d8	10.32	98	942605	96.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	193.94%	
62) 4-Bromofluorobenzene	12.62	95	328081	95.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	191.48%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	151156	95.891	ug/l	98
3) Chloromethane	2.21	50	218238	89.362	ug/l	99
4) Vinyl Chloride	2.36	62	273443	91.479	ug/l	98
5) Bromomethane	2.76	94	138783	91.677	ug/l	96
6) Chloroethane	2.92	64	156124	92.588	ug/l	96
7) Trichlorofluoromethane	3.25	101	147413	98.214	ug/l	98
8) Diethyl Ether	3.68	74	132946	93.317	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	234061	91.743	ug/l	100
10) Methyl Iodide	4.28	142	324307	93.949	ug/l	99
11) Tert butyl alcohol	5.18	59	88243	475.994	ug/l	98
12) 1,1-Dichloroethene	4.04	96	239917	93.431	ug/l	98
13) Acrolein	3.89	56	85140	493.861	ug/l	99
14) Allyl chloride	4.67	41	523664	95.390	ug/l	99
15) Acrylonitrile	5.37	53	335794	475.526	ug/l	98
16) Acetone	4.12	43	406162	522.108	ug/l	100
17) Carbon Disulfide	4.39	76	759109	97.816	ug/l	99
18) Methyl Acetate	4.67	43	177927	92.344	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	383994	92.470	ug/l	100
20) Methylene Chloride	4.92	84	253131	86.073	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	259610	94.279	ug/l	99
22) Diisopropyl ether	6.31	45	939496	92.328	ug/l	96
23) Vinyl Acetate	6.25	43	3048193	486.755	ug/l	100
24) 1,1-Dichloroethane	6.21	63	511097	92.248	ug/l	99
25) 2-Butanone	7.17	43	530606	501.938	ug/l	100
26) 2,2-Dichloropropane	7.17	77	283834	90.509	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	275071	93.497	ug/l	99
28) Bromochloromethane	7.51	49	214979	89.025	ug/l	99
29) Tetrahydrofuran	7.53	42	313230	493.879	ug/l	100
30) Chloroform	7.67	83	459353	90.621	ug/l	100
31) Cyclohexane	7.95	56	477665	87.140	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	371754	92.708	ug/l	99
36) 1,1-Dichloropropene	8.08	75	392034	94.452	ug/l	100
37) Ethyl Acetate	7.25	43	215005	94.529	ug/l	99
38) Carbon Tetrachloride	8.07	117	344205	95.813	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	446137	95.678	ug/l	100
40) Benzene	8.32	78	1063006	93.793	ug/l	99
41) Methacrylonitrile	7.48	41	130894	97.917	ug/l	97
42) 1,2-Dichloroethane	8.40	62	330777	93.123	ug/l	100
43) Isopropyl Acetate	8.42	43	414487	98.382	ug/l	100
44) Trichloroethene	9.09	130	259695	94.258	ug/l	96
45) 1,2-Dichloropropane	9.37	63	285839	93.711	ug/l	99
46) Dibromomethane	9.46	93	129193	95.196	ug/l	98
47) Bromodichloromethane	9.65	83	347440	96.193	ug/l	96
48) Methyl methacrylate	9.43	41	200952	100.216	ug/l	99
49) 1,4-Dioxane	9.45	88	42599	2050.391	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	1056190	492.882	ug/l	100
52) Toluene	10.39	92	645099	94.748	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	367833	99.978	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	437414	98.464	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	180166	93.829	ug/l	99
56) Ethyl methacrylate	10.65	69	281513	100.734	ug/l	99
57) 1,3-Dichloropropane	10.93	76	346088	95.378	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	801363	558.730	ug/l	100
59) 2-Hexanone	10.97	43	780634	514.852	ug/l	99
60) Dibromochloromethane	11.13	129	207356	96.953	ug/l	98
61) 1,2-Dibromoethane	11.24	107	174077	97.311	ug/l	99
64) Tetrachloroethene	10.86	164	214410	94.123	ug/l	99
65) Chlorobenzene	11.66	112	639457	92.426	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	230798	95.623	ug/l	100
67) Ethyl Benzene	11.73	91	1266544	95.032	ug/l	98
68) m/p-Xylenes	11.84	106	903031	188.103	ug/l	99
69) o-Xylene	12.16	106	421446	94.851	ug/l	100
70) Styrene	12.18	104	735411	95.622	ug/l	100
71) Bromoform	12.35	173	118180	98.276	ug/l #	99
73) Isopropylbenzene	12.46	105	1183407	96.252	ug/l	99
74) N-amyl acetate	12.27	43	374860	100.915	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	214017	94.950	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	291018	184.072	ug/l #	100
77) Bromobenzene	12.75	156	253446	95.286	ug/l	99
78) n-propylbenzene	12.80	91	1436135	95.682	ug/l	99
79) 2-Chlorotoluene	12.89	91	800260	93.910	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	980459	95.435	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	76497	104.956	ug/l	97
82) 4-Chlorotoluene	12.99	91	832011	93.247	ug/l	99
83) tert-Butylbenzene	13.21	119	835663	96.025	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	980637	95.023	ug/l	100
85) sec-Butylbenzene	13.38	105	1177733	94.461	ug/l	100
86) p-Isopropyltoluene	13.50	119	1055262	94.773	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	486914	93.591	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	479070	92.739	ug/l	100
89) n-Butylbenzene	13.82	91	1059345	95.672	ug/l	99
90) Hexachloroethane	14.09	117	191264	97.907	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	430366	94.295	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	36442	95.903	ug/l	98

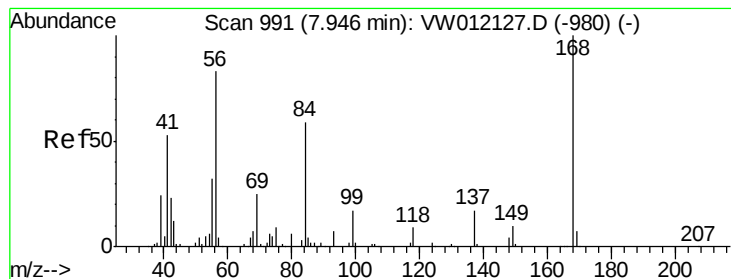
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082319\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	304653	96.592	ug/l	99
94) Hexachlorobutadiene	15.24	225	193853	93.083	ug/l	97
95) Naphthalene	15.37	128	583395	105.631	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	272047	98.862	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: VW012128.D

Acq: 23 Aug 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

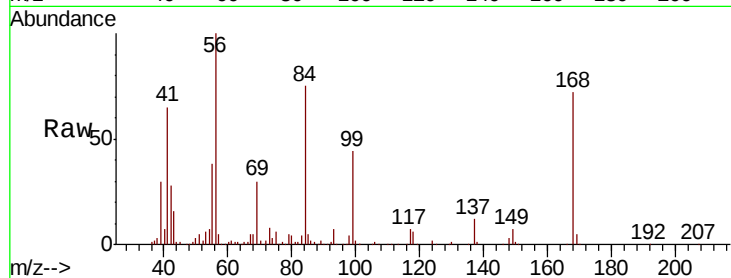
VSTDIC100

Tgt Ion:168 Resp: 256006

Ion Ratio Lower Upper

168 100

99 60.3 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

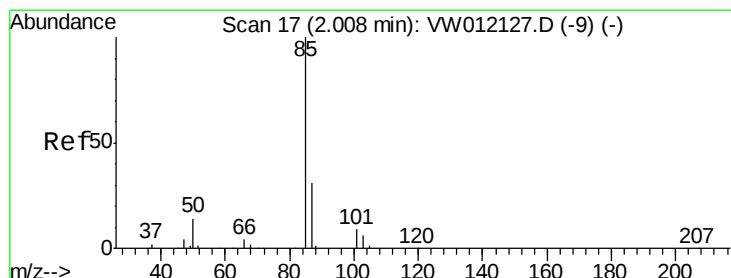
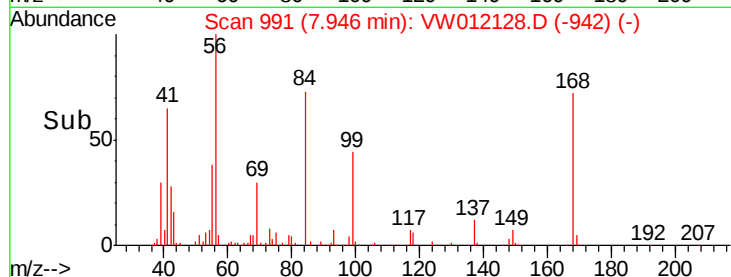
7.95

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 95.891 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012128.D

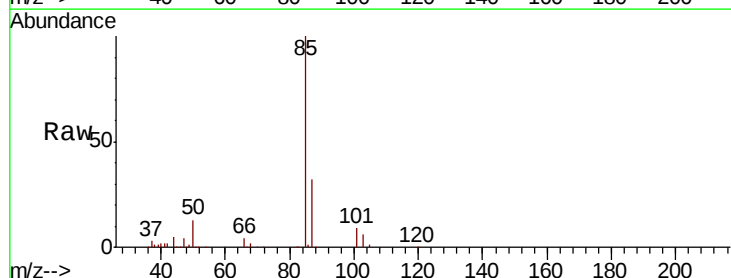
Acq: 23 Aug 2019 11:29

Tgt Ion: 85 Resp: 151156

Ion Ratio Lower Upper

85 100

87 32.3 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

60000

50000

40000

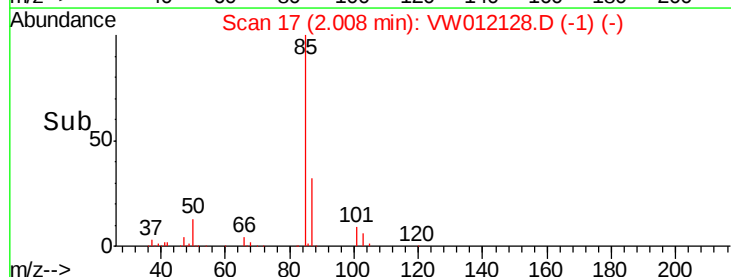
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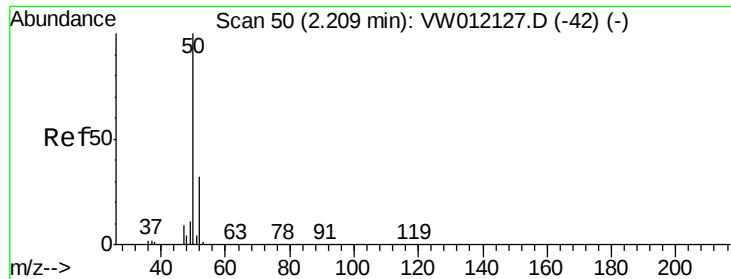
20000

10000

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Time--> 2.00 2.20

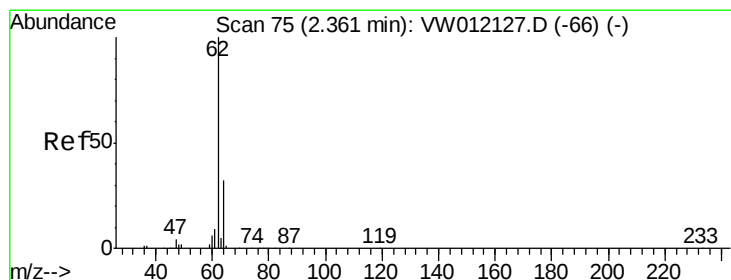
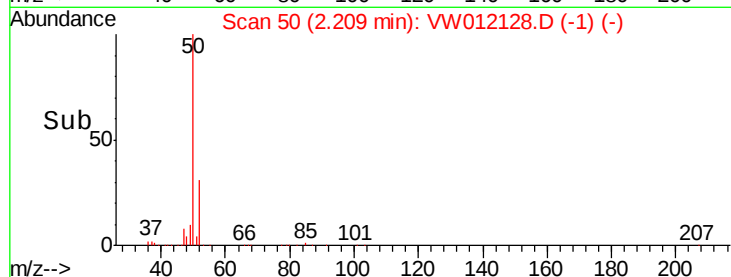
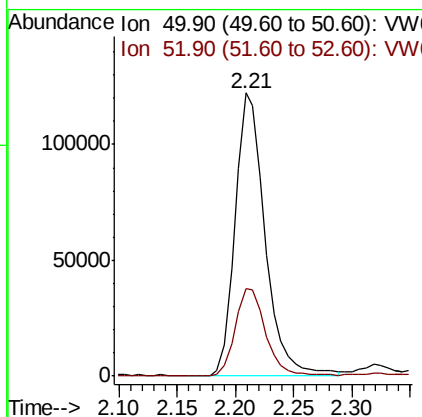
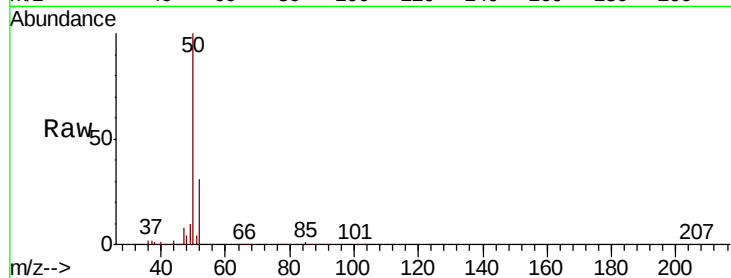




#3
Chloromethane
Concen: 89.362 ug/l
RT: 2.21 min Scan# 50
Delta R.T. -0.00 min
Lab File: VW012128.D
Acq: 23 Aug 2019 11:29

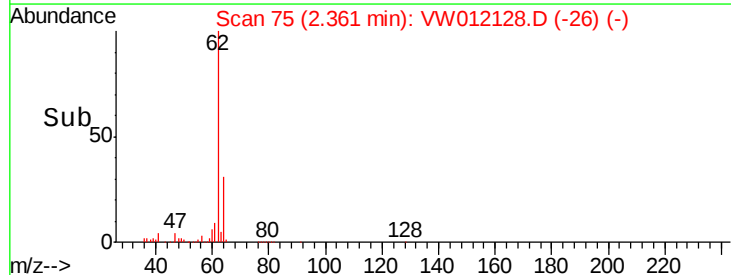
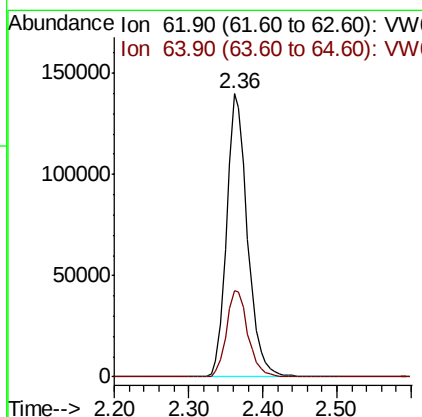
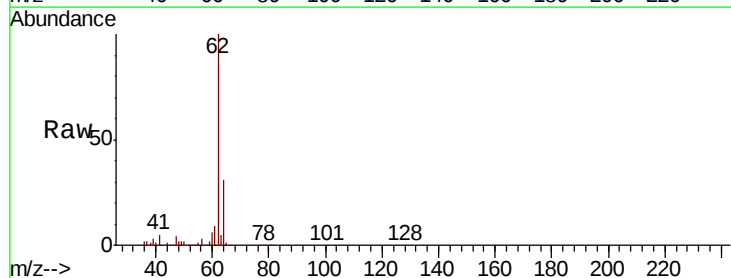
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

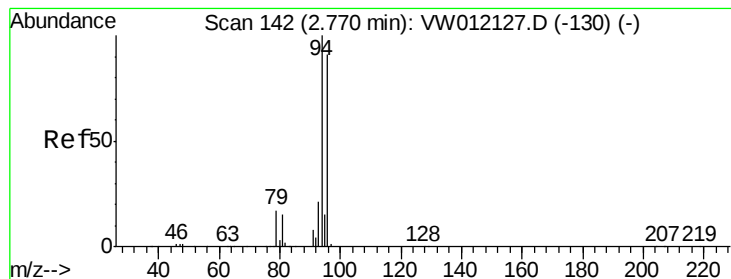
Tgt Ion: 50 Resp: 218238
Ion Ratio Lower Upper
50 100
52 31.1 25.5 38.3



#4
Vinyl Chloride
Concen: 91.479 ug/l
RT: 2.36 min Scan# 75
Delta R.T. -0.00 min
Lab File: VW012128.D
Acq: 23 Aug 2019 11:29

Tgt Ion: 62 Resp: 273443
Ion Ratio Lower Upper
62 100
64 30.5 25.3 37.9





#5

Bromomethane

Concen: 91.677 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW012128.D

Acq: 23 Aug 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

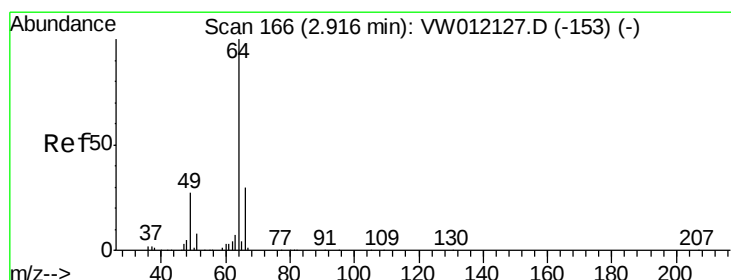
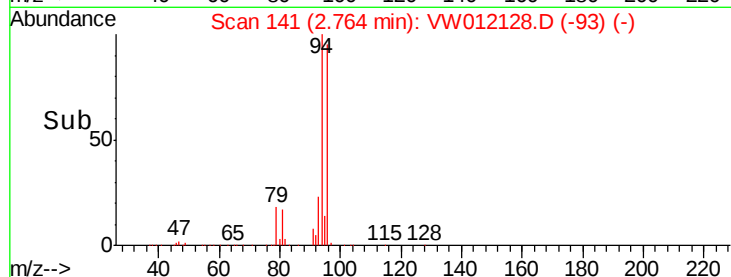
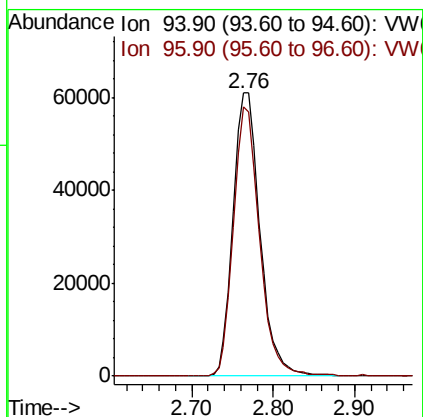
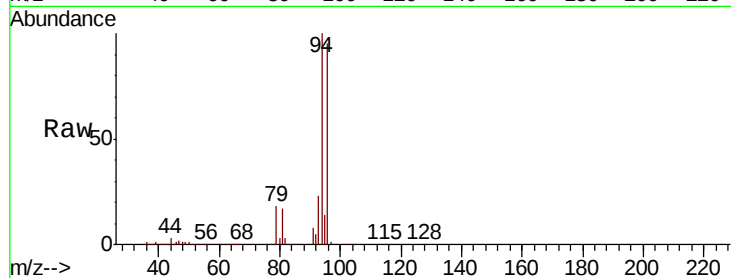
VSTDIC100

Tgt Ion: 94 Resp: 138783

Ion Ratio Lower Upper

94 100

96 94.9 72.9 109.3



#6

Chloroethane

Concen: 92.588 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW012128.D

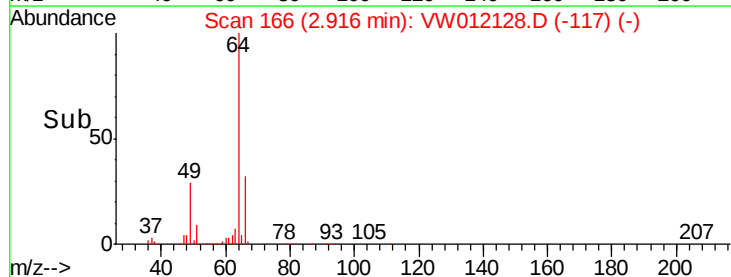
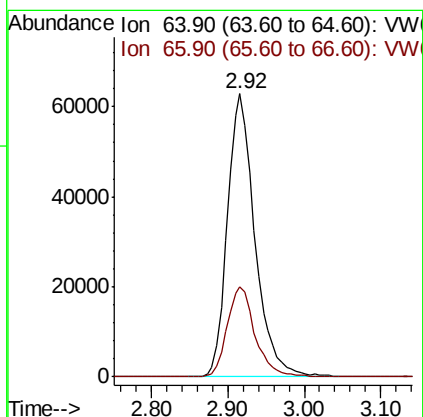
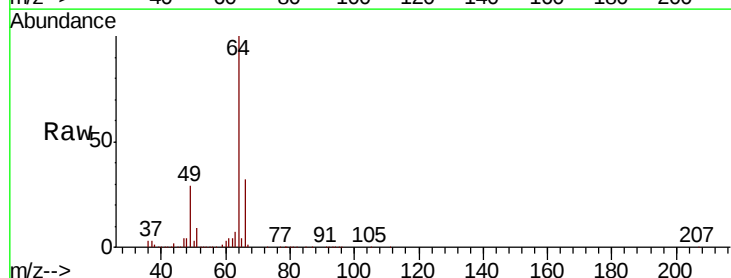
Acq: 23 Aug 2019 11:29

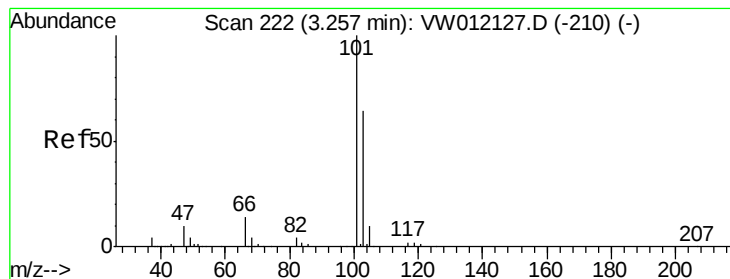
Tgt Ion: 64 Resp: 156124

Ion Ratio Lower Upper

64 100

66 31.9 23.8 35.8



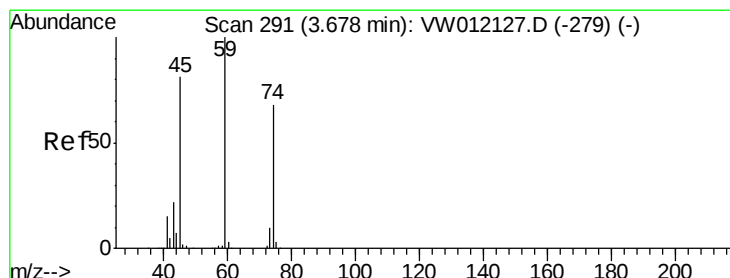
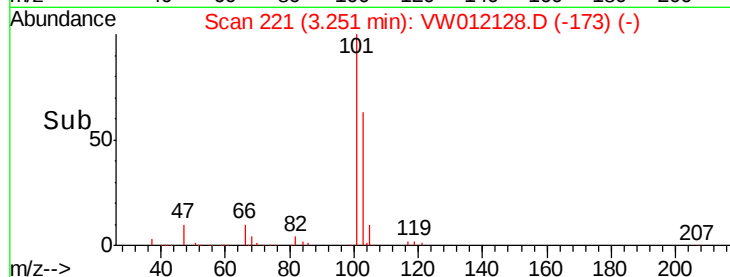
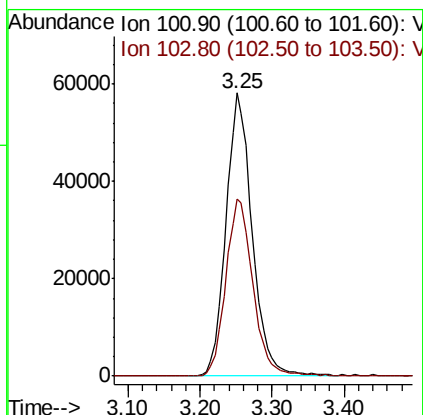
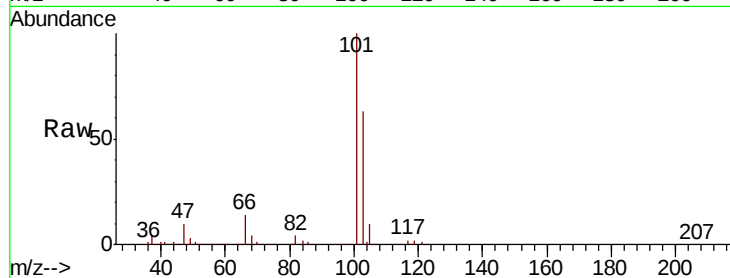


#7

Trichlorofluoromethane
 Concen: 98.214 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW012128.D
 Acq: 23 Aug 2019 11:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

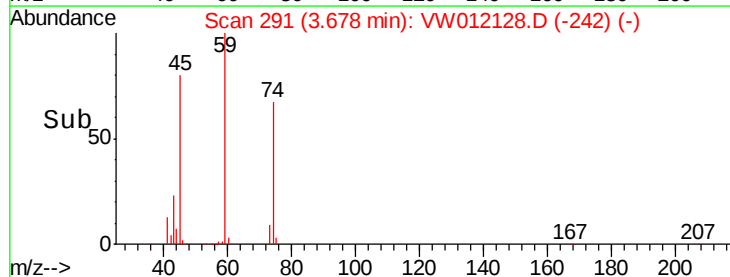
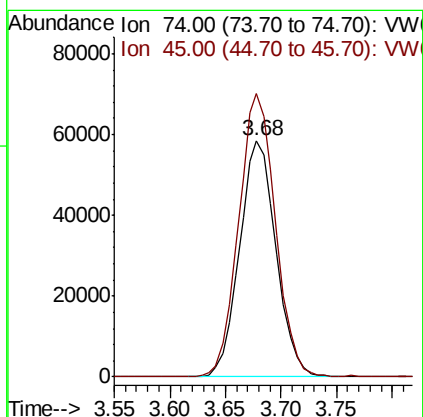
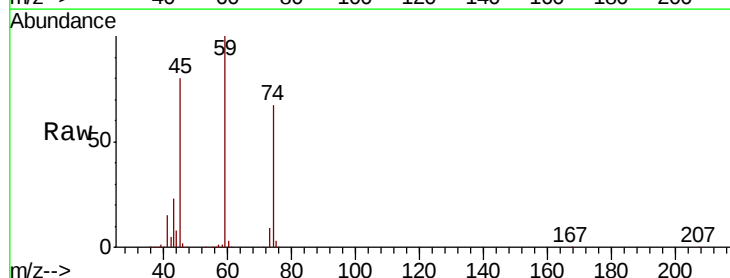
Tgt Ion: 101 Resp: 147413
 Ion Ratio Lower Upper
 101 100
 103 62.7 51.2 76.8

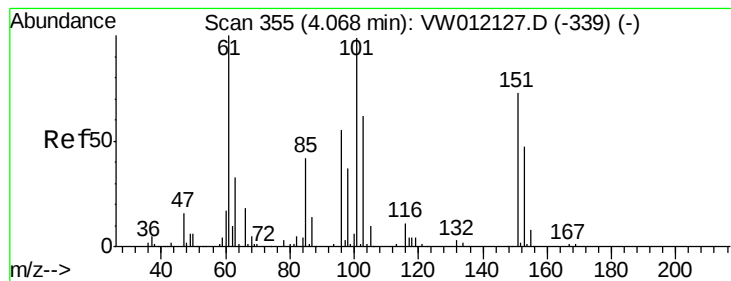


#8

Diethyl Ether
 Concen: 93.317 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012128.D
 Acq: 23 Aug 2019 11:29

Tgt Ion: 74 Resp: 132946
 Ion Ratio Lower Upper
 74 100
 45 120.4 59.2 177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 91.743 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW012128.D

Acq: 23 Aug 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

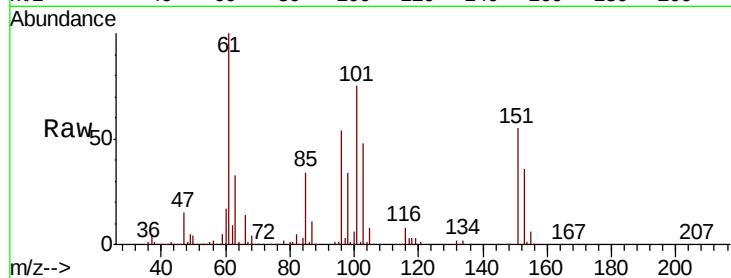
Tgt Ion:101 Resp: 234061

Ion Ratio Lower Upper

101 100

85 44.5 35.8 53.6

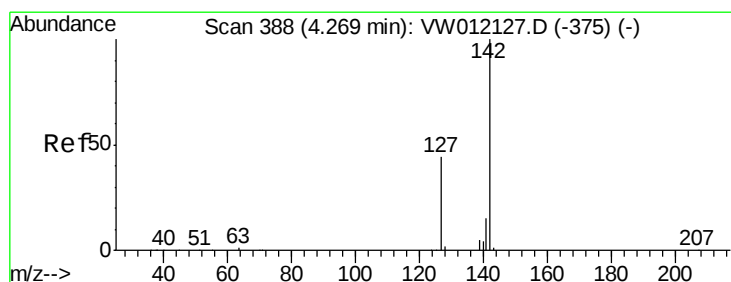
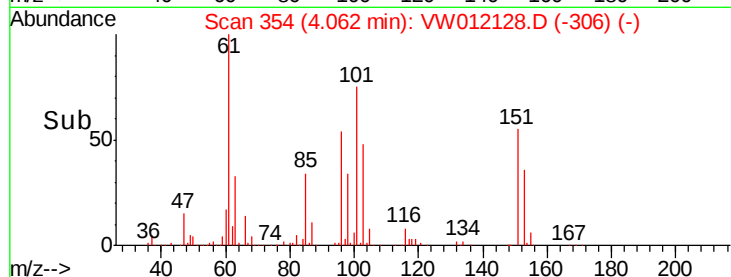
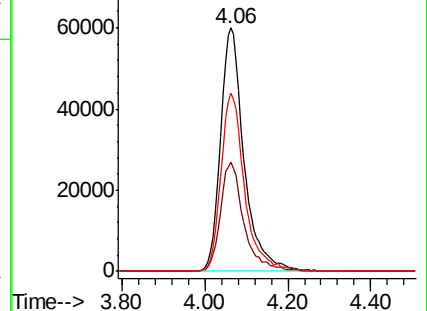
151 73.7 58.6 87.8



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: 93.949 ug/l

RT: 4.28 min Scan# 389

Delta R.T. 0.01 min

Lab File: VW012128.D

Acq: 23 Aug 2019 11:29

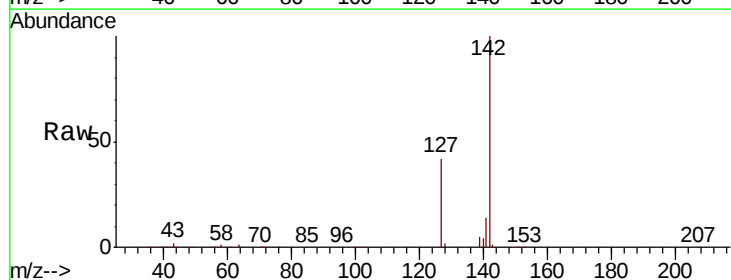
Tgt Ion:142 Resp: 324307

Ion Ratio Lower Upper

142 100

127 44.0 35.5 53.3

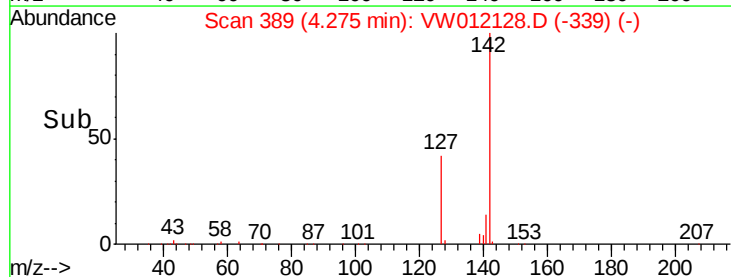
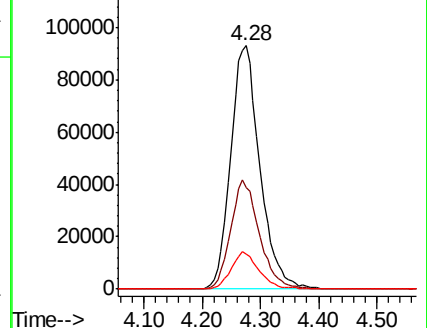
141 14.7 11.8 17.8

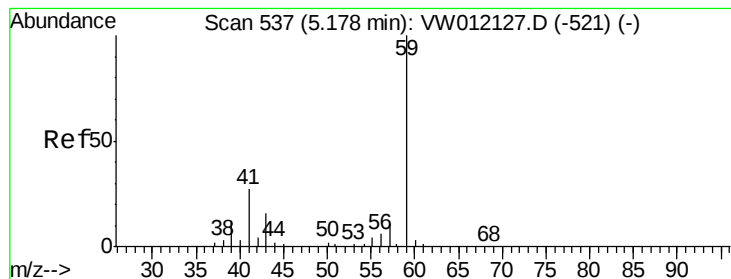


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



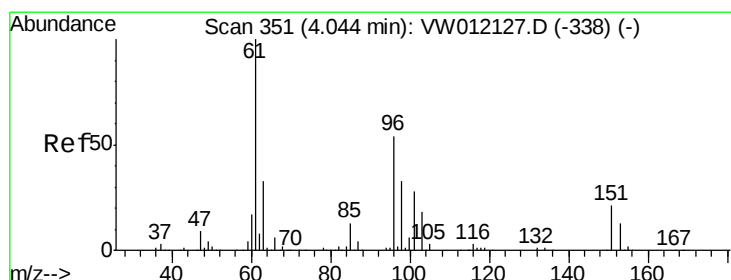
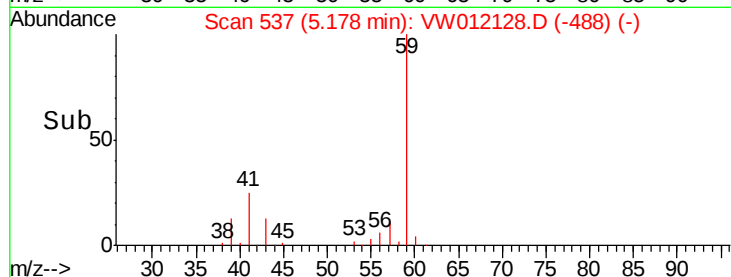
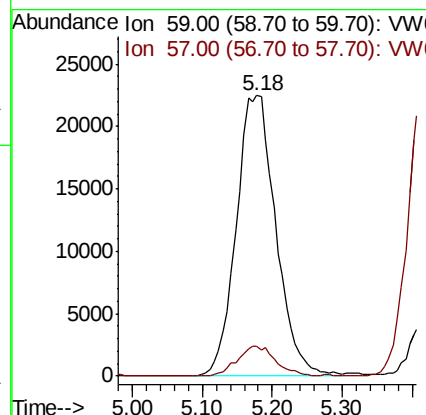
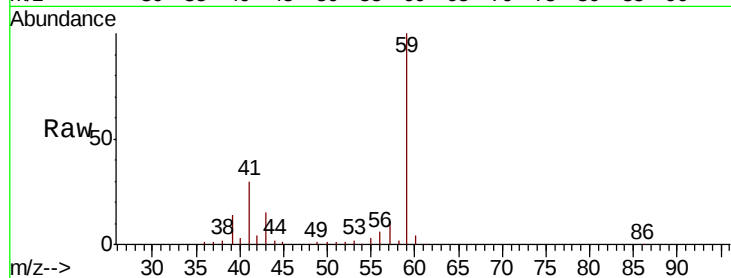


#11

Tert butyl alcohol
 Concen: 475.994 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. -0.00 min
 Lab File: VW012128.D
 Acq: 23 Aug 2019 11:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

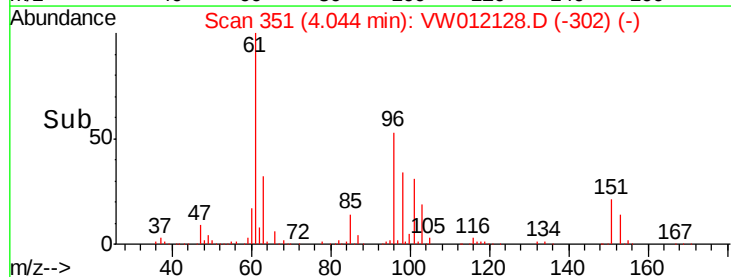
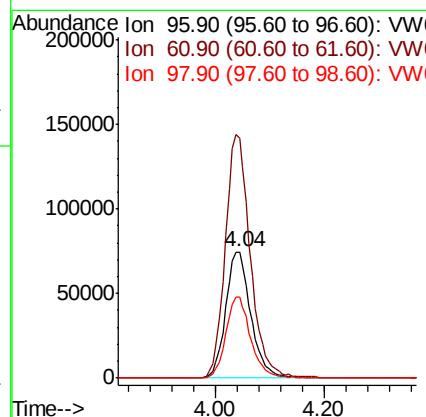
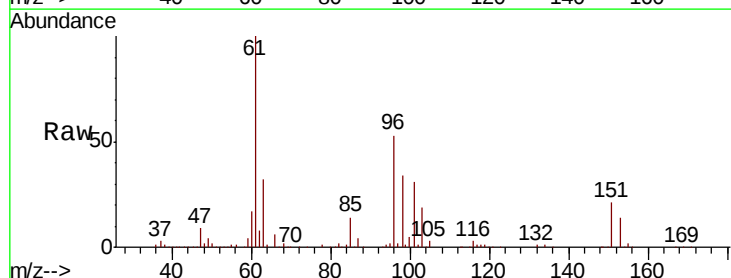
Tgt Ion: 59 Resp: 88243
 Ion Ratio Lower Upper
 59 100
 57 10.6 9.0 13.4

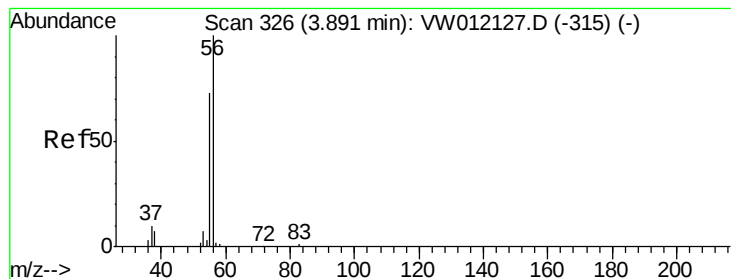


#12

1,1-Dichloroethene
 Concen: 93.431 ug/l
 RT: 4.04 min Scan# 351
 Delta R.T. -0.00 min
 Lab File: VW012128.D
 Acq: 23 Aug 2019 11:29

Tgt Ion: 96 Resp: 239917
 Ion Ratio Lower Upper
 96 100
 61 189.1 149.1 223.7
 98 63.6 49.4 74.2





#13

Acrolein

Concen: 493.861 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW012128.D

Acq: 23 Aug 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

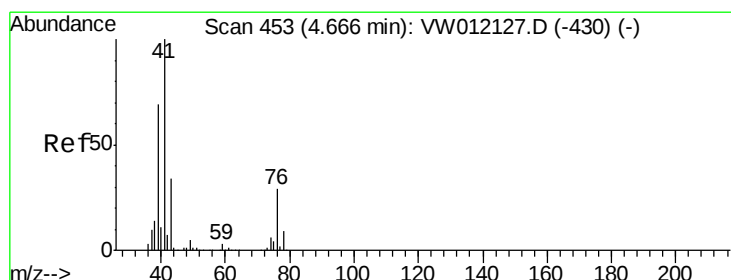
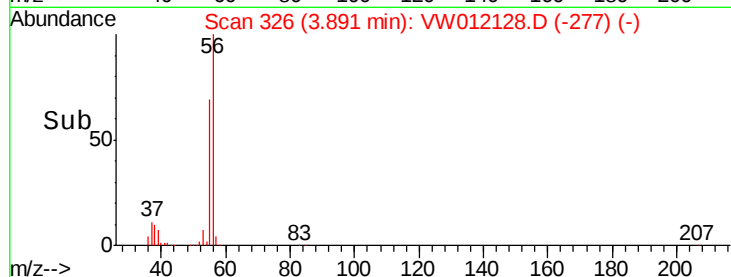
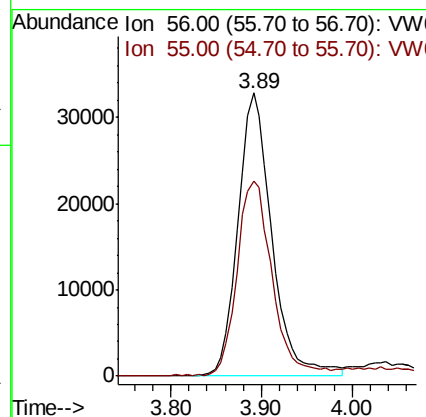
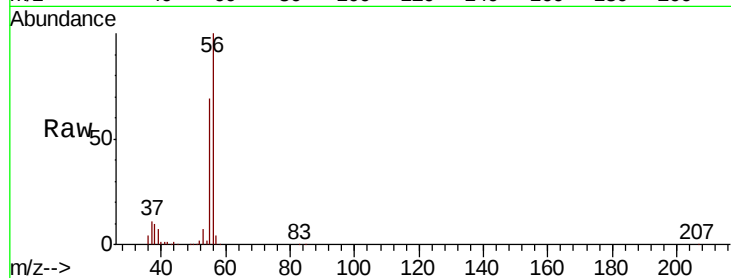
VSTDIC100

Tgt Ion: 56 Resp: 85140

Ion Ratio Lower Upper

56 100

55 70.8 55.8 83.8



#14

Allyl chloride

Concen: 95.390 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012128.D

Acq: 23 Aug 2019 11:29

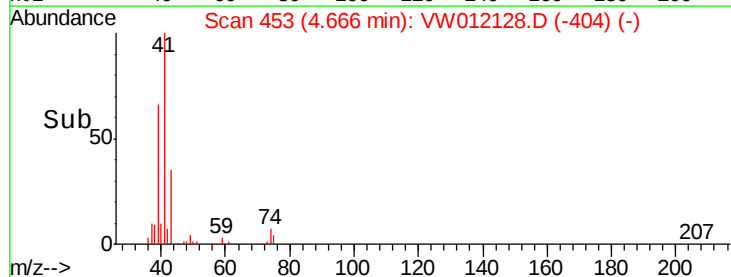
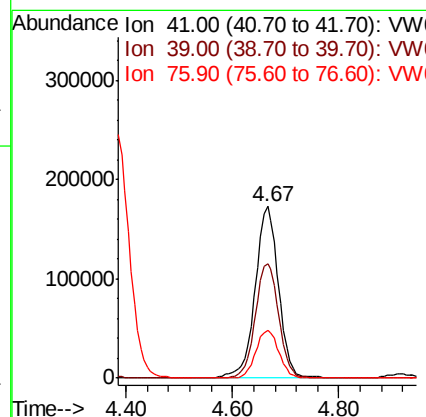
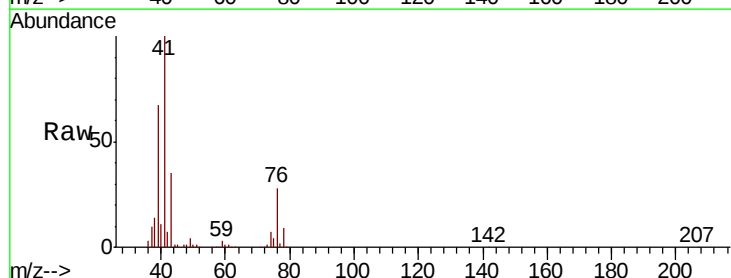
Tgt Ion: 41 Resp: 523664

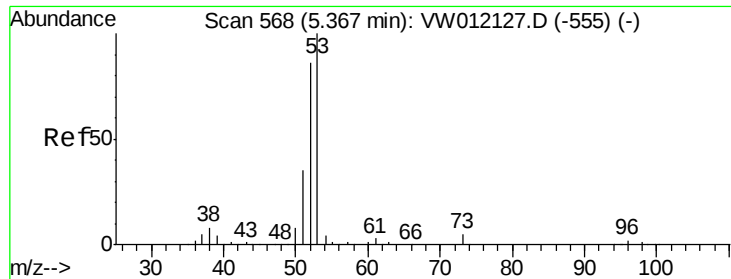
Ion Ratio Lower Upper

41 100

39 66.1 53.4 80.2

76 27.2 22.1 33.1





#15

Acrylonitrile

Concen: 475.526 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW012128.D

Acq: 23 Aug 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

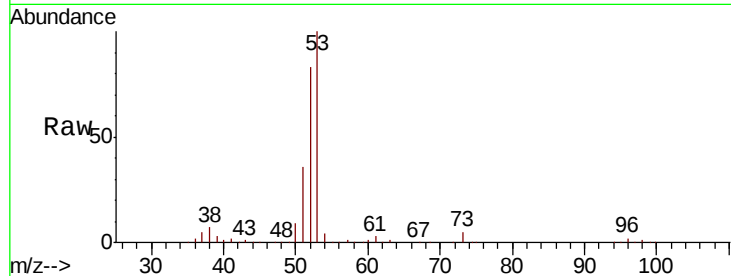
Tgt Ion: 53 Resp: 335794

Ion Ratio Lower Upper

53 100

52 82.1 66.7 100.1

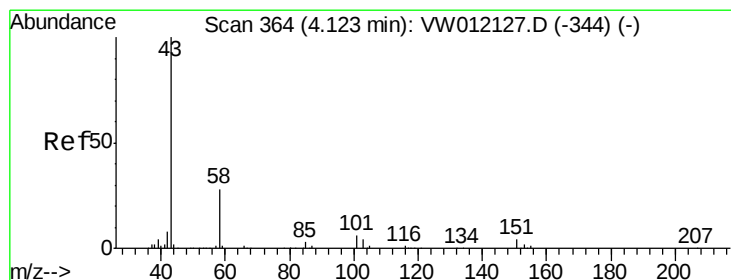
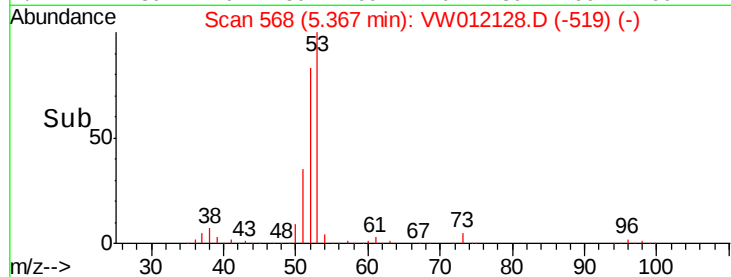
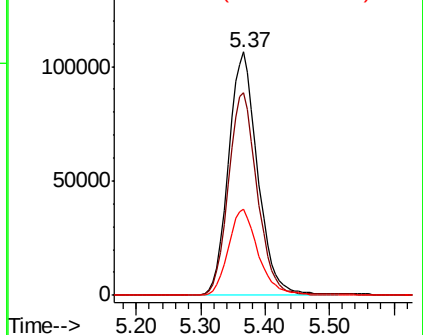
51 36.4 30.1 45.1



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: 522.108 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW012128.D

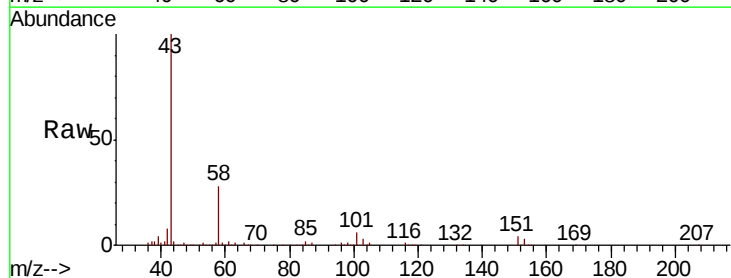
Acq: 23 Aug 2019 11:29

Tgt Ion: 43 Resp: 406162

Ion Ratio Lower Upper

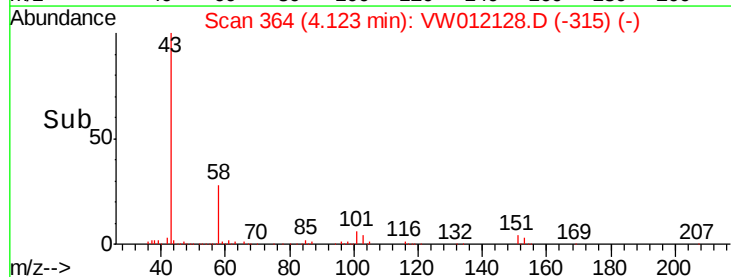
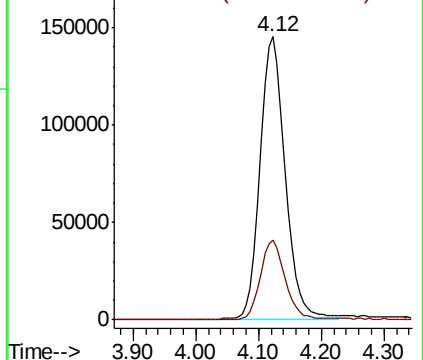
43 100

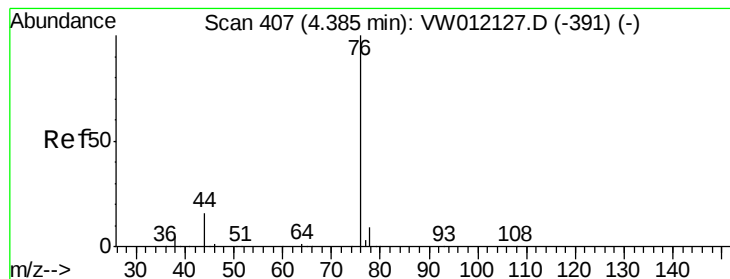
58 28.0 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 97.816 ug/l

RT: 4.39 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW012128.D

Acq: 23 Aug 2019 11:29

Instrument :

MSVOA_W

ClientSampled :

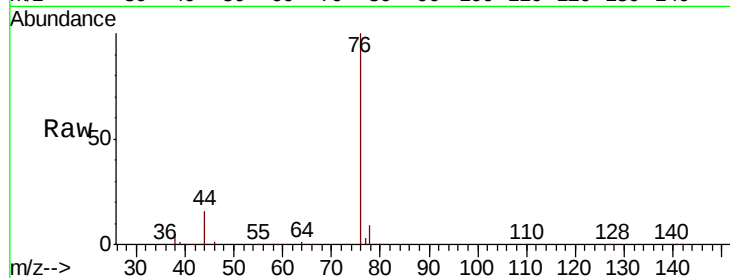
VSTDIC100

Tgt Ion: 76 Resp: 759109

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.39

250000

200000

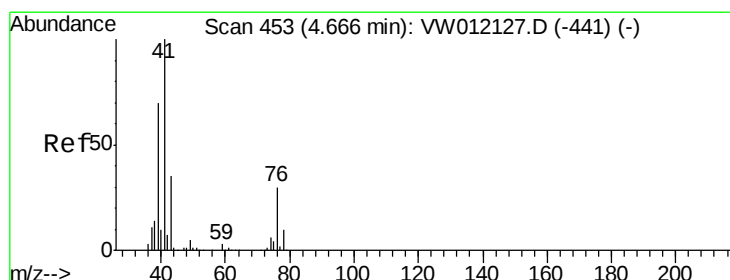
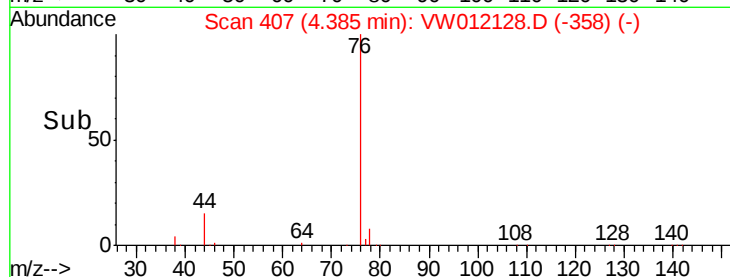
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 92.344 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012128.D

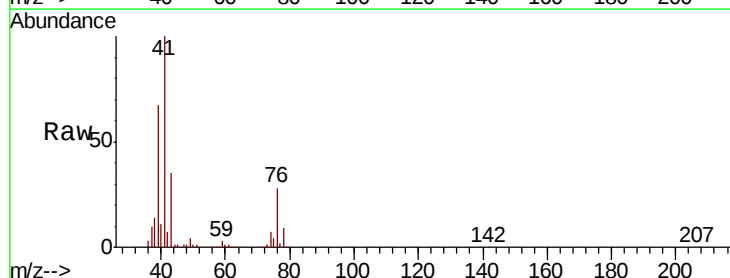
Acq: 23 Aug 2019 11:29

Tgt Ion: 43 Resp: 177927

Ion Ratio Lower Upper

43 100

74 19.2 15.7 23.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

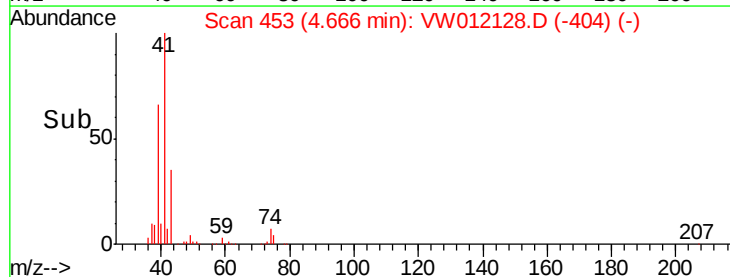
60000

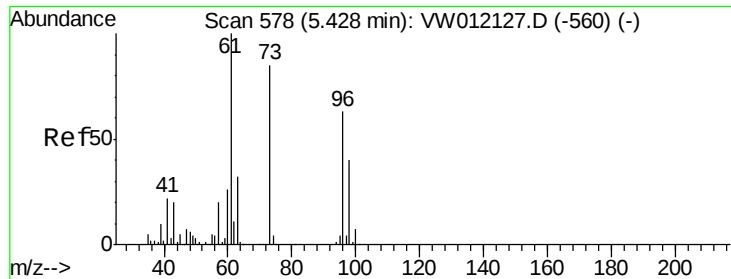
40000

20000

0

Time-->

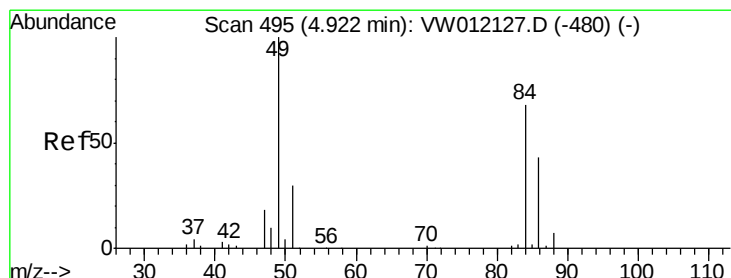
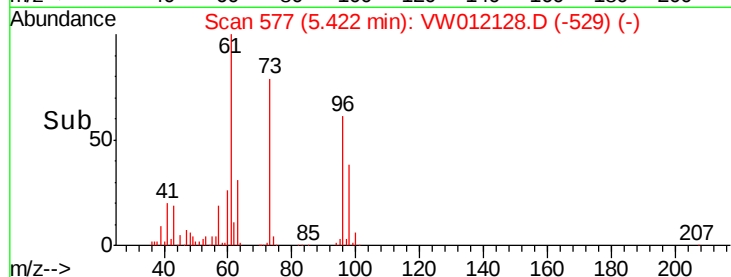
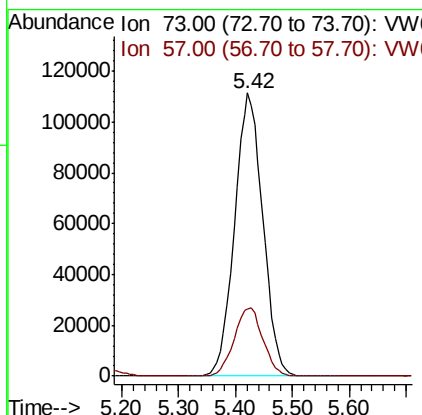
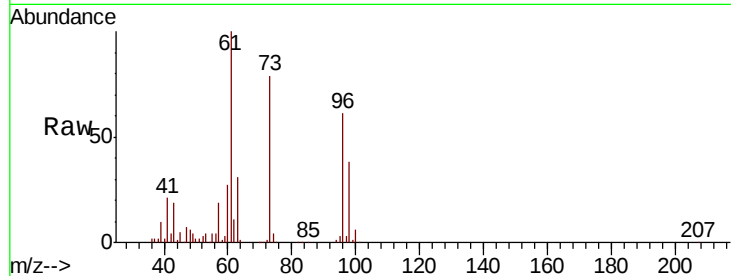




#19
Methyl tert-butyl Ether
Concen: 92.470 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW012128.D
Acq: 23 Aug 2019 11:29

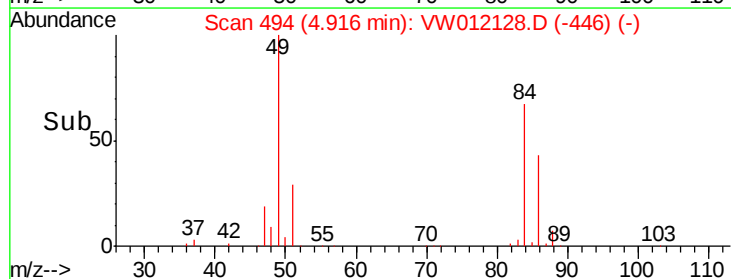
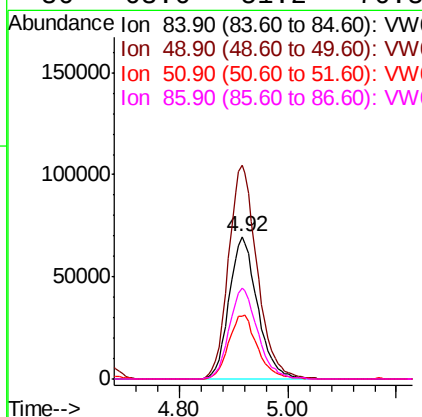
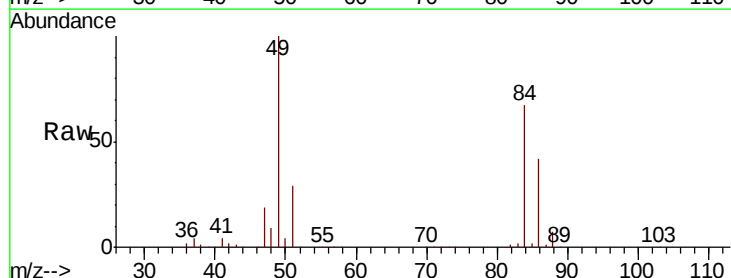
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

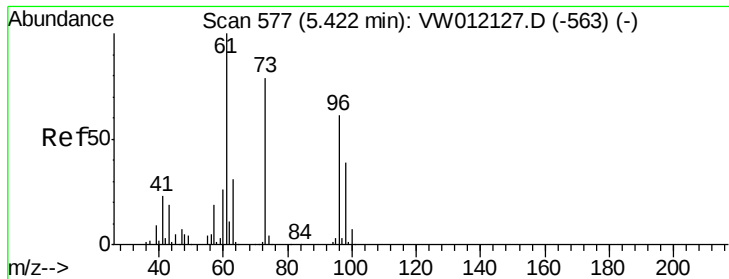
Tgt Ion: 73 Resp: 383994
Ion Ratio Lower Upper
73 100
57 23.8 18.9 28.3



#20
Methylene Chloride
Concen: 86.073 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012128.D
Acq: 23 Aug 2019 11:29

Tgt Ion: 84 Resp: 253131
Ion Ratio Lower Upper
84 100
49 150.1 117.8 176.8
51 43.9 35.6 53.4
86 63.6 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 94.279 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW012128.D

Acq: 23 Aug 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

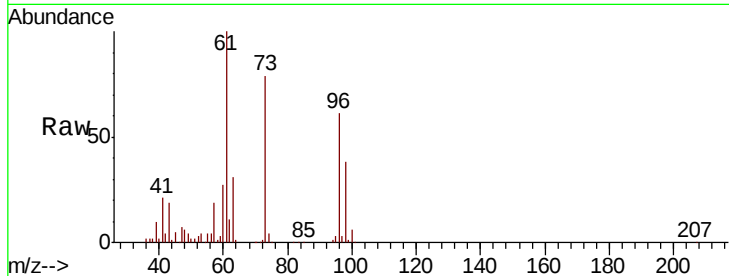
Tgt Ion: 96 Resp: 259610

Ion Ratio Lower Upper

96 100

61 164.7 131.4 197.0

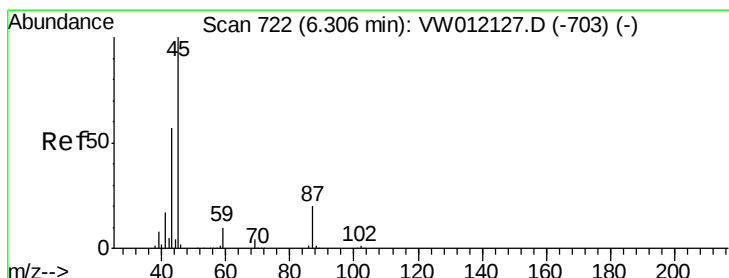
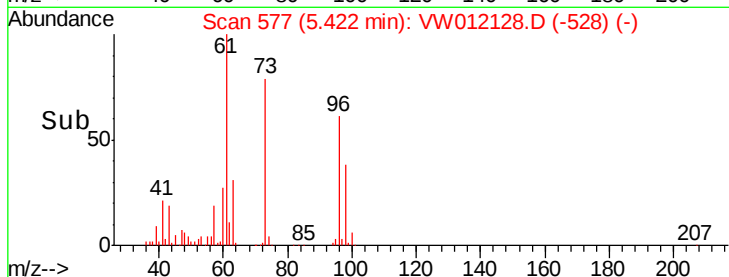
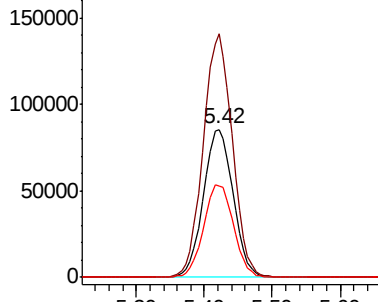
98 61.9 51.4 77.0



Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 92.328 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.01 min

Lab File: VW012128.D

Acq: 23 Aug 2019 11:29

Tgt Ion: 45 Resp: 939496

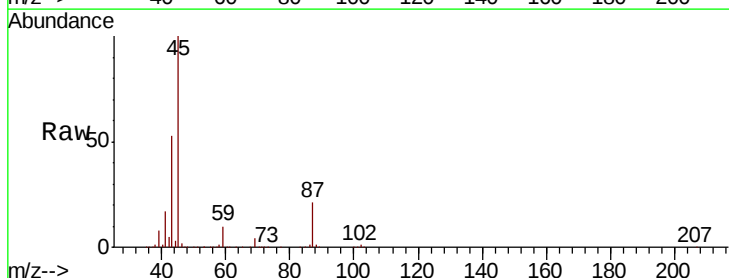
Ion Ratio Lower Upper

45 100

43 53.2 45.5 68.3

87 21.2 16.1 24.1

59 9.9 8.2 12.2

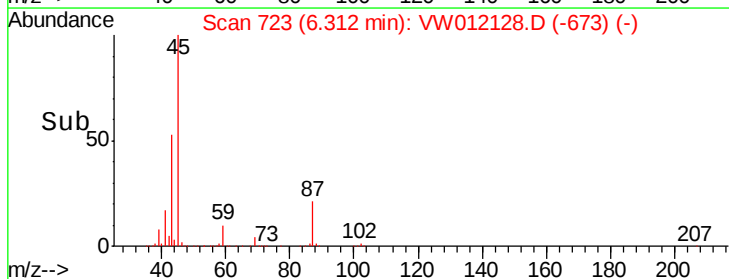
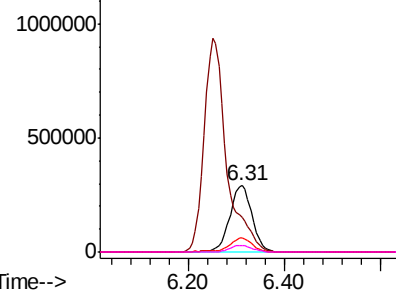


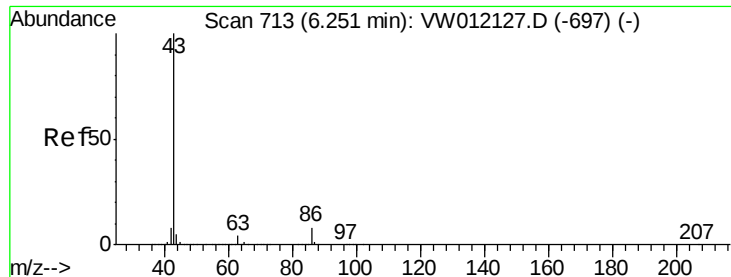
Abundance Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 486.755 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012128.D

Acq: 23 Aug 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

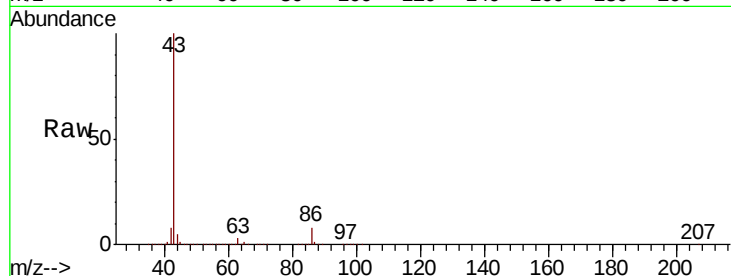
VSTDIC100

Tgt Ion: 43 Resp: 3048193

Ion Ratio Lower Upper

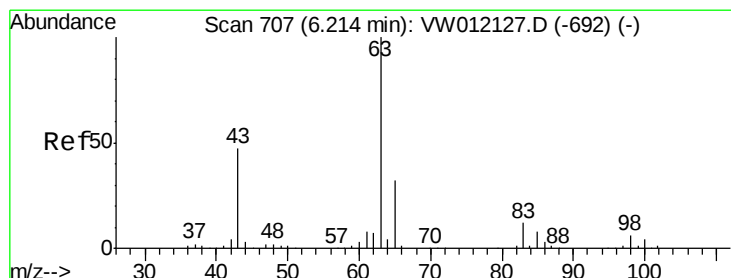
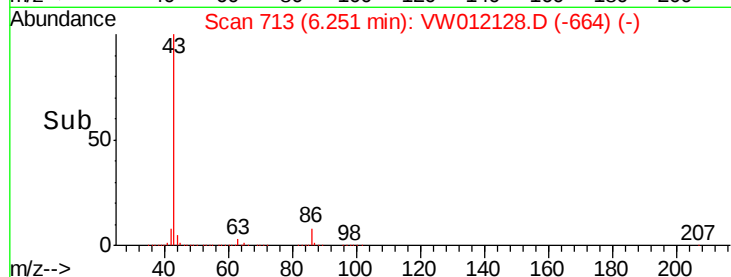
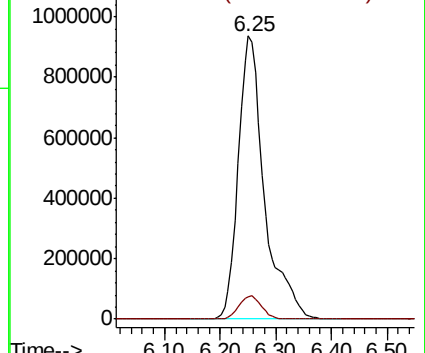
43 100

86 8.0 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 92.248 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW012128.D

Acq: 23 Aug 2019 11:29

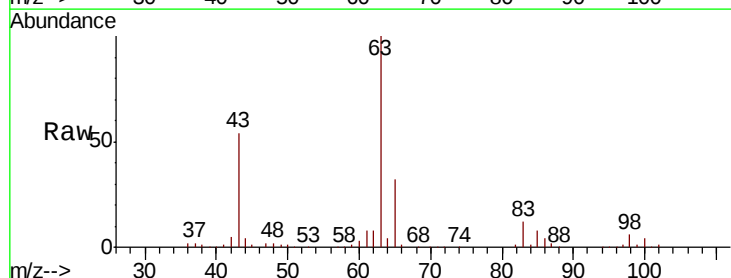
Tgt Ion: 63 Resp: 511097

Ion Ratio Lower Upper

63 100

98 5.7 3.0 9.2

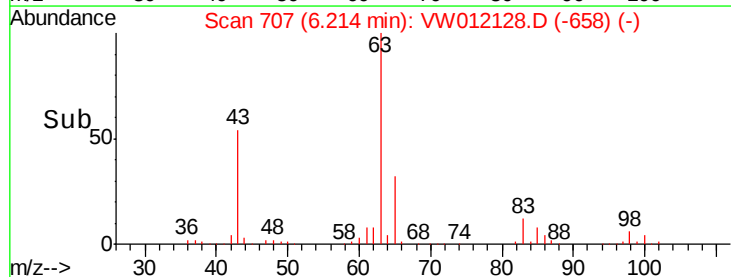
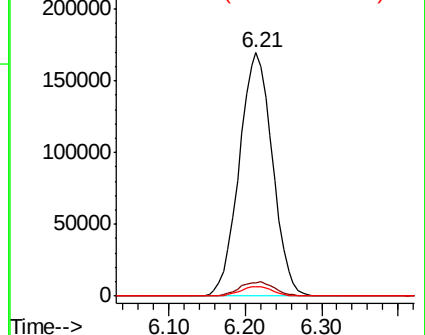
100 3.8 2.0 6.0

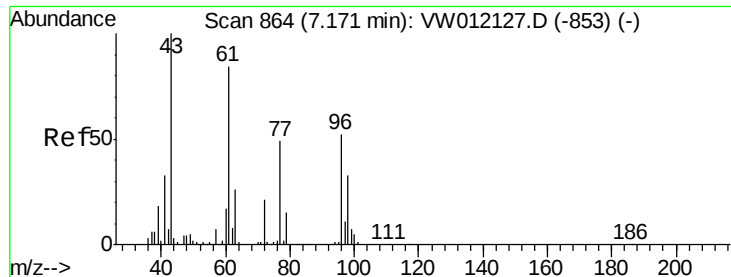


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 501.938 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW012128.D

Acq: 23 Aug 2019 11:29

Instrument :

MSVOA_W

ClientSampled :

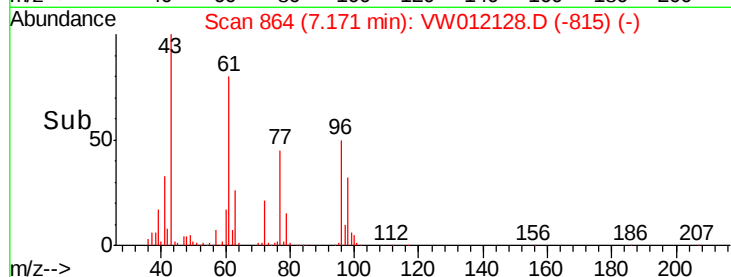
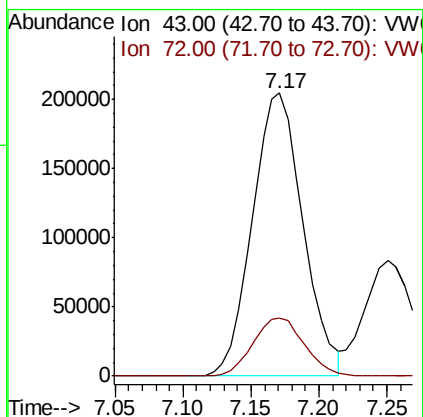
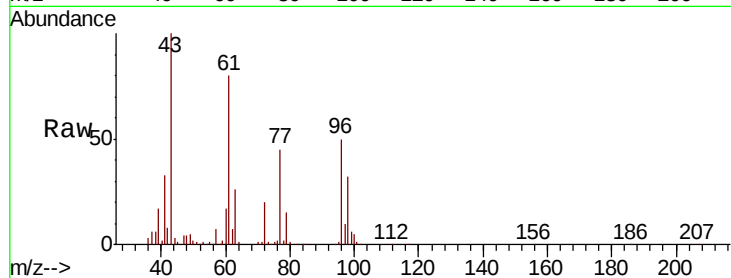
VSTDIC100

Tgt Ion: 43 Resp: 530606

Ion Ratio Lower Upper

43 100

72 20.5 16.6 24.8



#26

2,2-Dichloropropane

Concen: 90.509 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012128.D

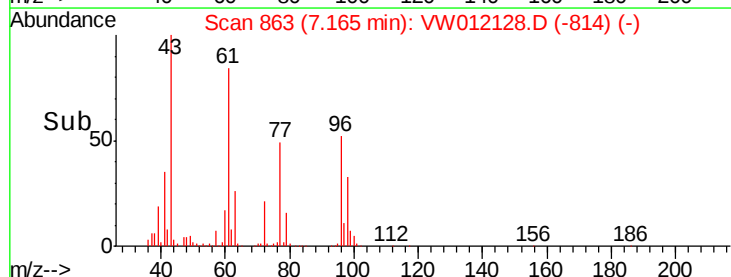
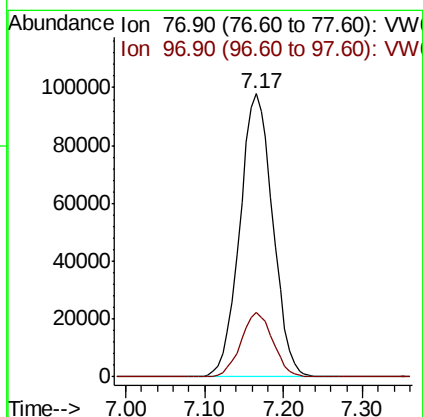
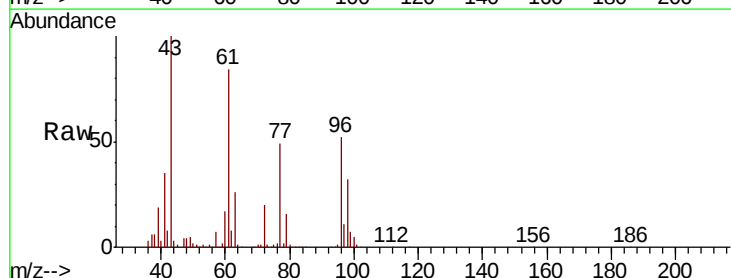
Acq: 23 Aug 2019 11:29

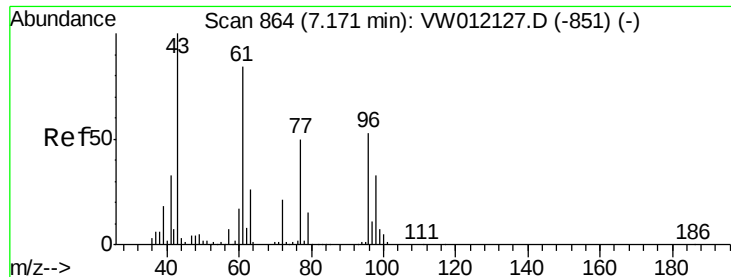
Tgt Ion: 77 Resp: 283834

Ion Ratio Lower Upper

77 100

97 22.1 11.1 33.1



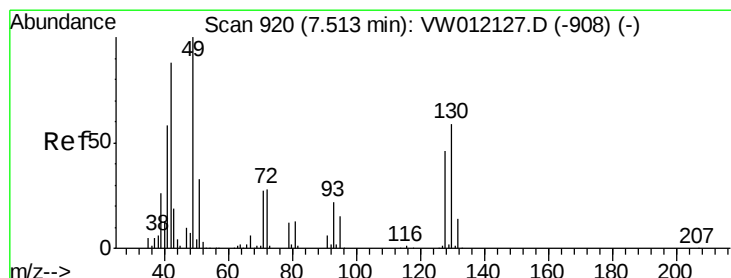
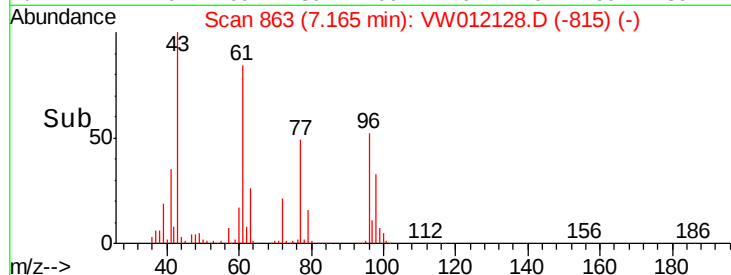
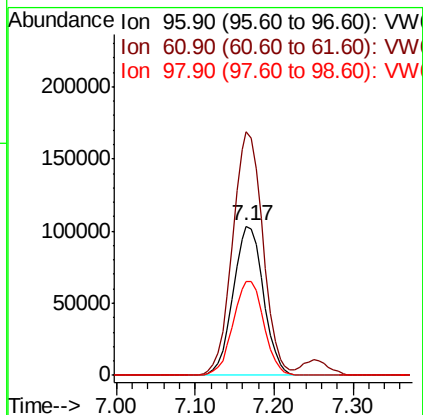
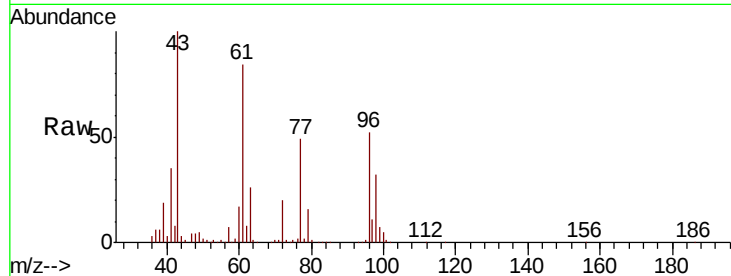


#27

cis-1,2-Dichloroethene
Concen: 93.497 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW012128.D
Acq: 23 Aug 2019 11:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

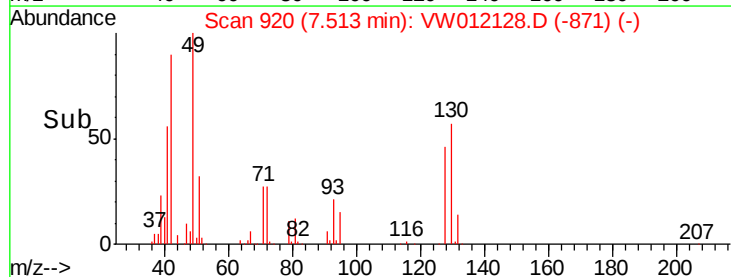
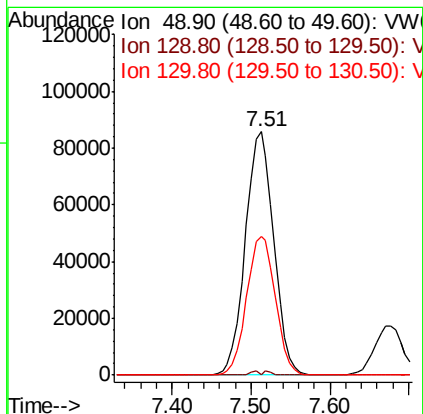
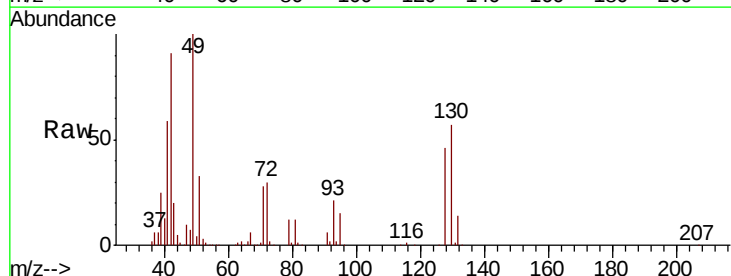
Tgt Ion: 96 Resp: 275071
Ion Ratio Lower Upper
96 100
61 164.5 0.0 326.6
98 64.1 0.0 127.4

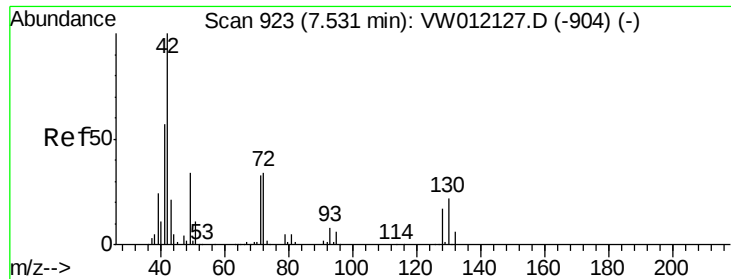


#28

Bromochloromethane
Concen: 89.025 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW012128.D
Acq: 23 Aug 2019 11:29

Tgt Ion: 49 Resp: 214979
Ion Ratio Lower Upper
49 100
129 0.4 0.0 1.4
130 57.6 45.5 68.3

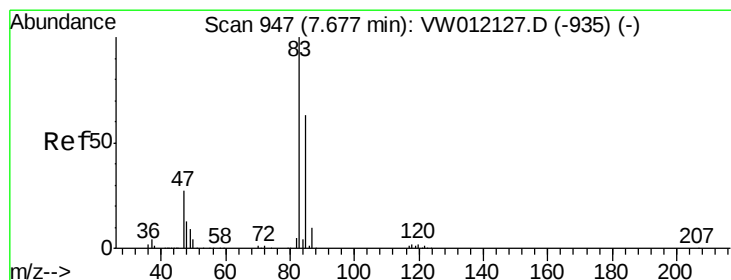
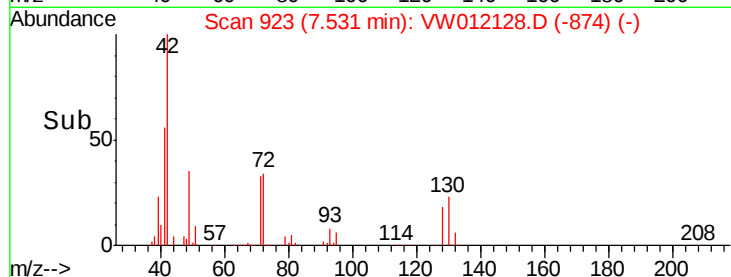
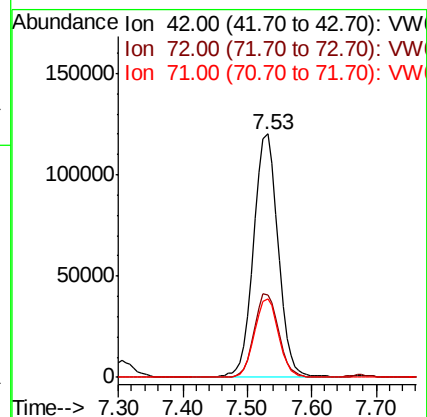
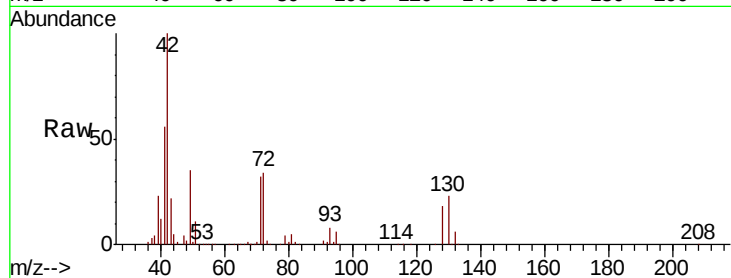




#29
Tetrahydrofuran
Concen: 493.879 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012128.D
Acq: 23 Aug 2019 11:29

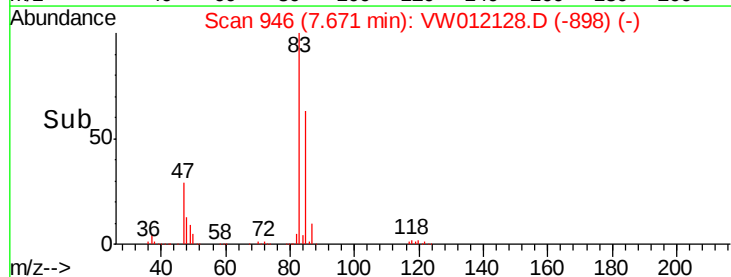
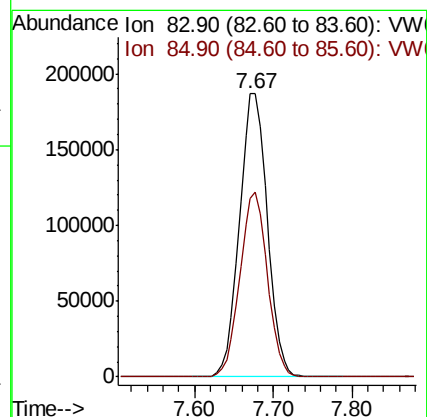
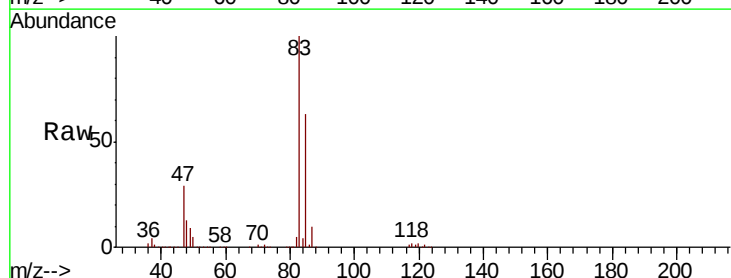
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

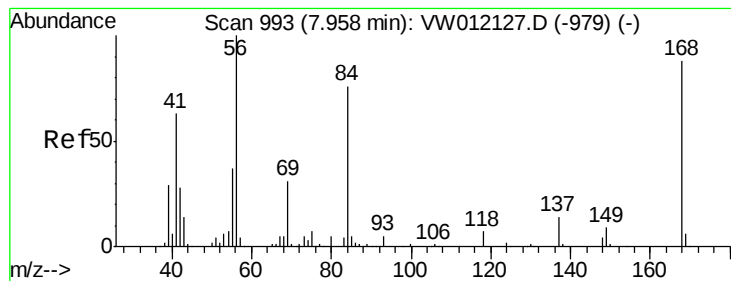
Tgt Ion: 42 Resp: 313230
Ion Ratio Lower Upper
42 100
72 34.0 27.3 40.9
71 31.7 25.5 38.3



#30
Chloroform
Concen: 90.621 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW012128.D
Acq: 23 Aug 2019 11:29

Tgt Ion: 83 Resp: 459353
Ion Ratio Lower Upper
83 100
85 63.0 50.6 76.0





#31

Cyclohexane

Concen: 87.140 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW012128.D

Acq: 23 Aug 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

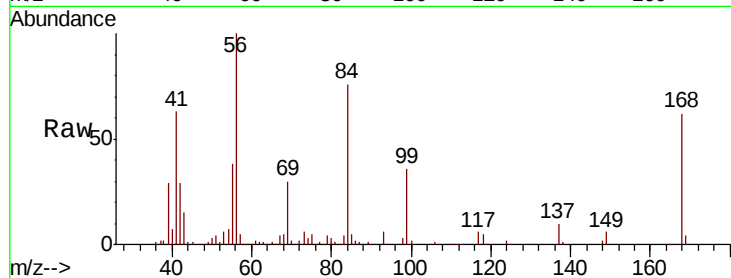
Tgt Ion: 56 Resp: 477665

Ion Ratio Lower Upper

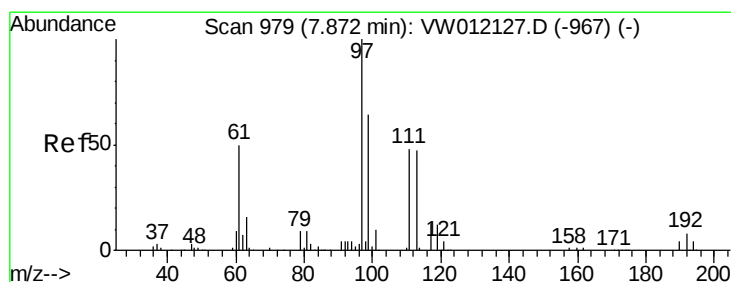
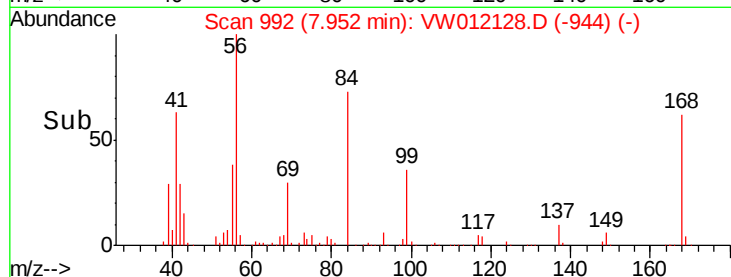
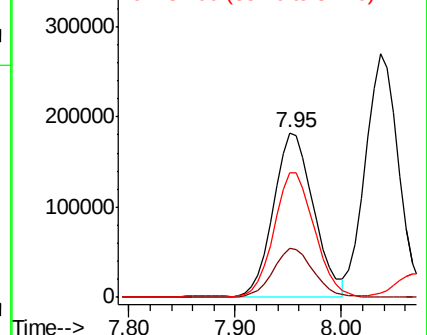
56 100

69 29.9 24.9 37.3

84 74.7 60.6 90.8



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: 92.708 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW012128.D

Acq: 23 Aug 2019 11:29

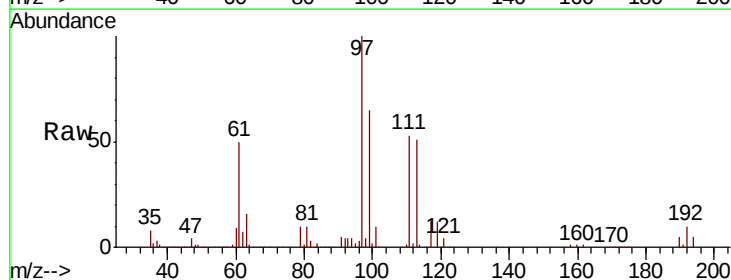
Tgt Ion: 97 Resp: 371754

Ion Ratio Lower Upper

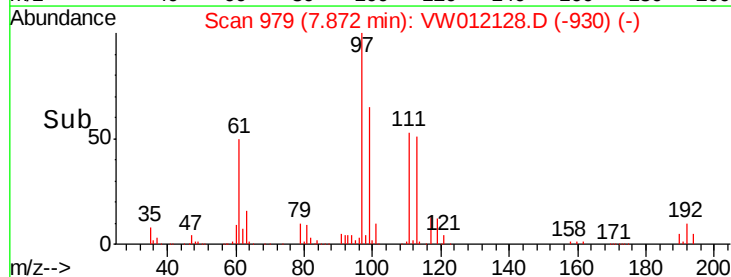
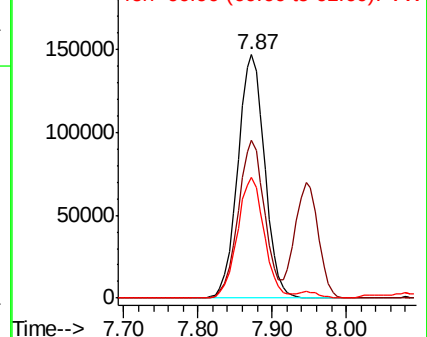
97 100

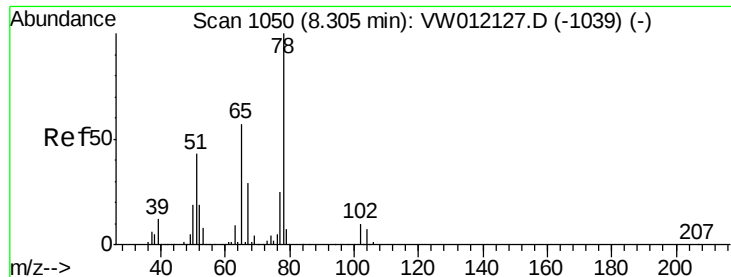
99 63.3 51.4 77.0

61 49.3 39.5 59.3



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

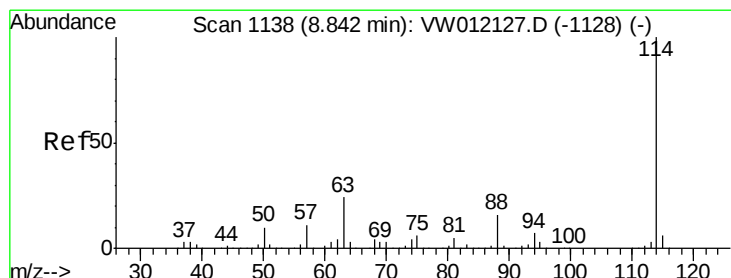
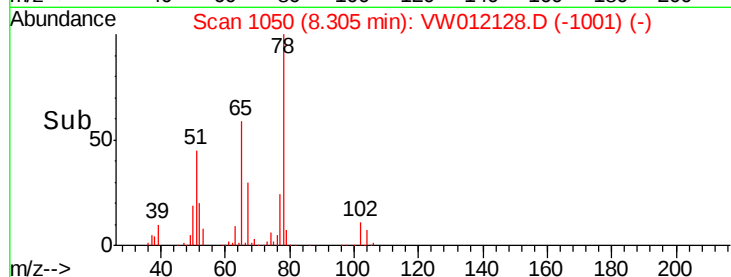
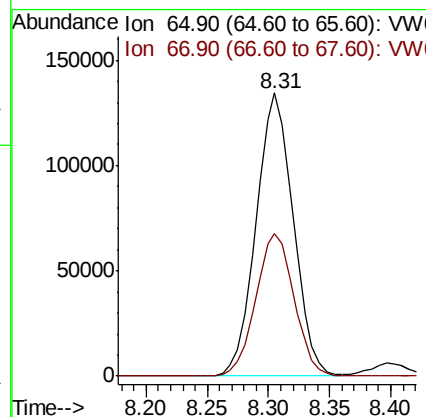
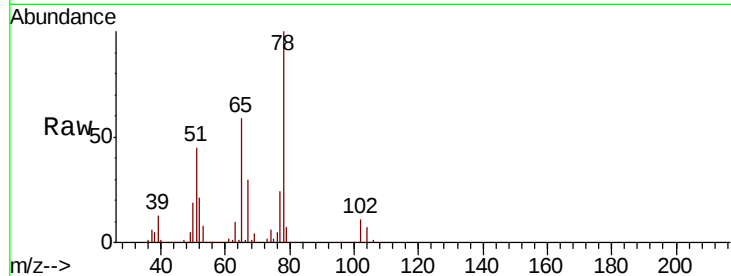




#33
 1,2-Dichloroethane-d4
 Concen: 93.457 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012128.D
 Acq: 23 Aug 2019 11:29

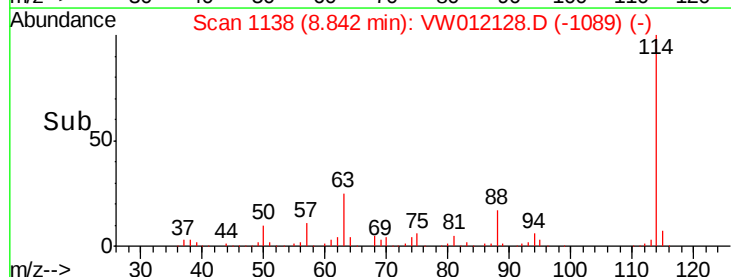
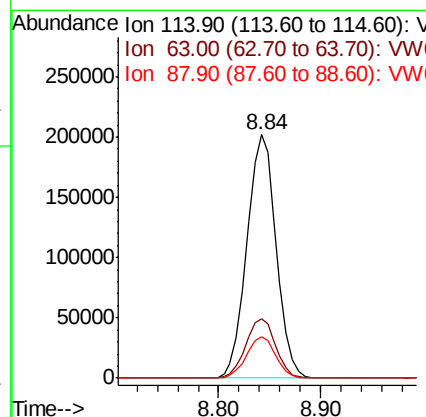
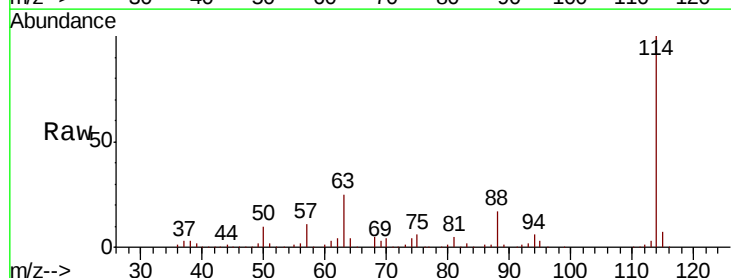
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tgt Ion: 65 Resp: 284415
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012128.D
 Acq: 23 Aug 2019 11:29

Tgt Ion: 114 Resp: 401653
 Ion Ratio Lower Upper
 114 100
 63 24.6 0.0 48.6
 88 17.0 0.0 32.2

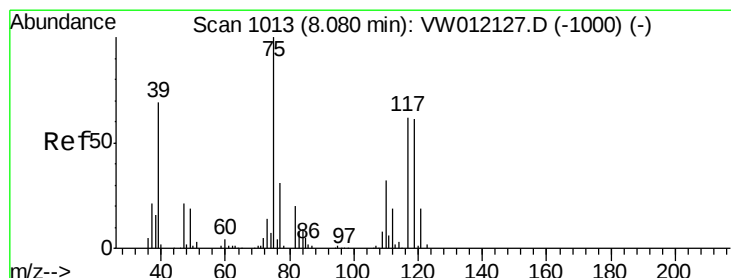
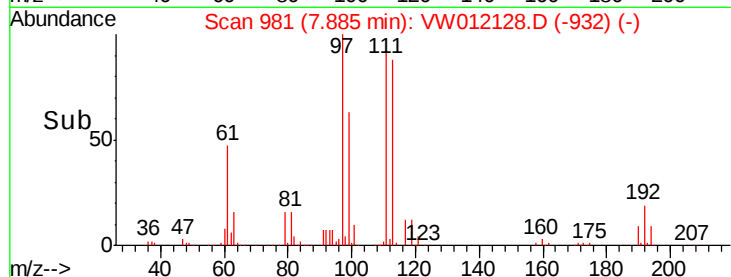
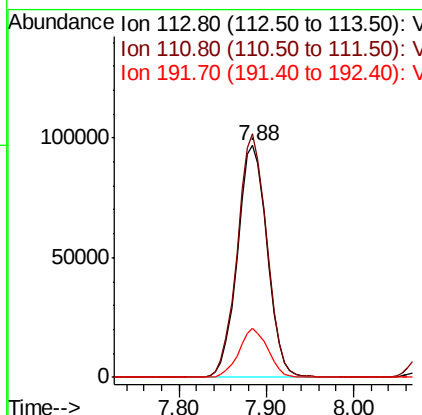
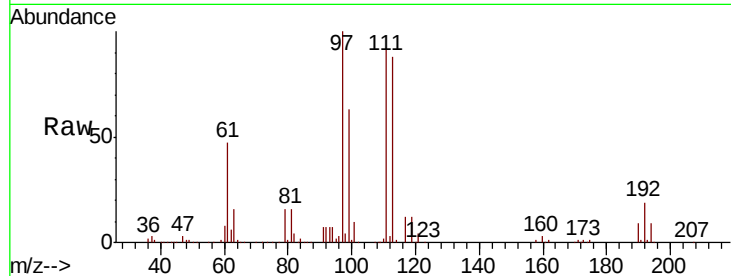




#35
 Dibromofluoromethane
 Concen: 95.305 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012128.D
 Acq: 23 Aug 2019 11:29

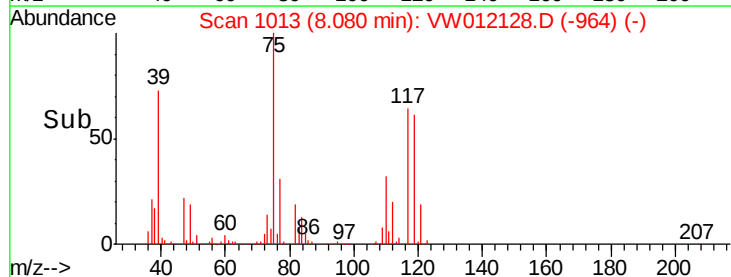
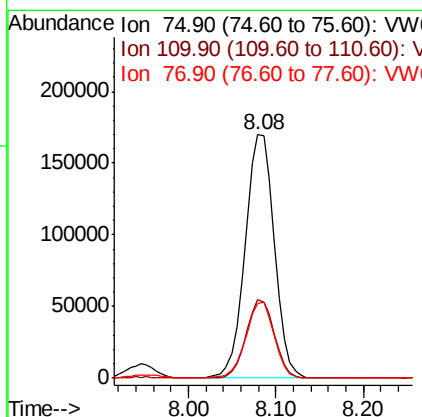
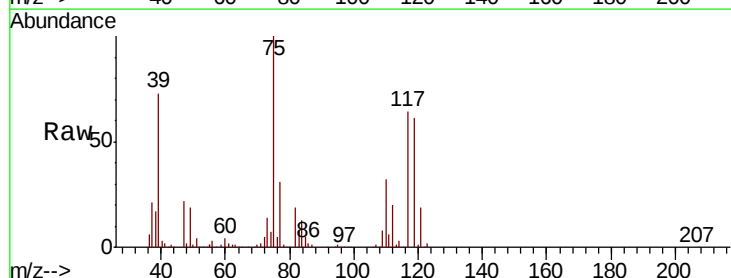
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.0	82.7	124.1
192	20.5	16.2	24.2



#36
 1,1-Dichloropropene
 Concen: 94.452 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW012128.D
 Acq: 23 Aug 2019 11:29

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.4	15.6	46.8
77	30.6	24.6	36.8

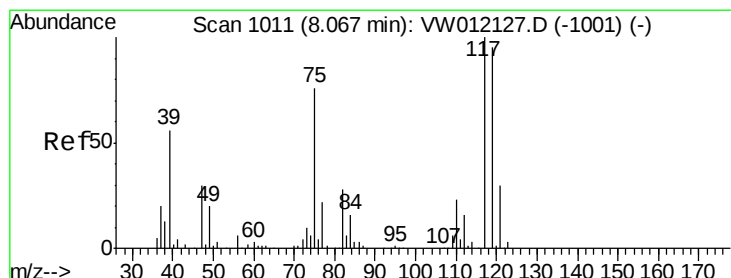
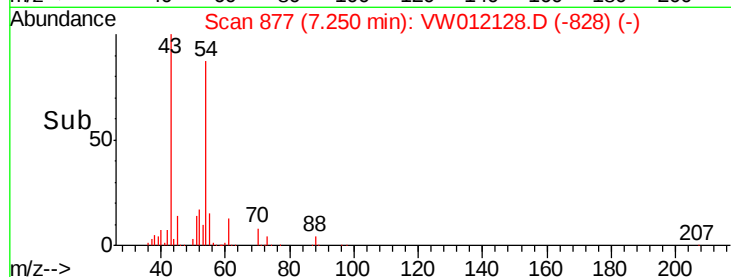
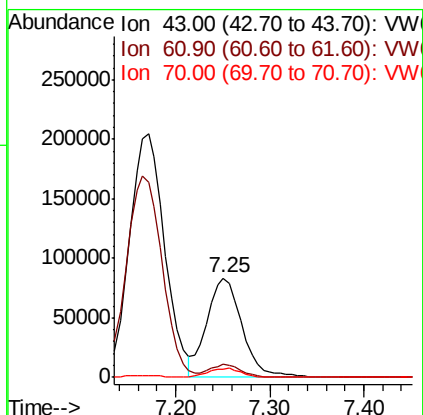
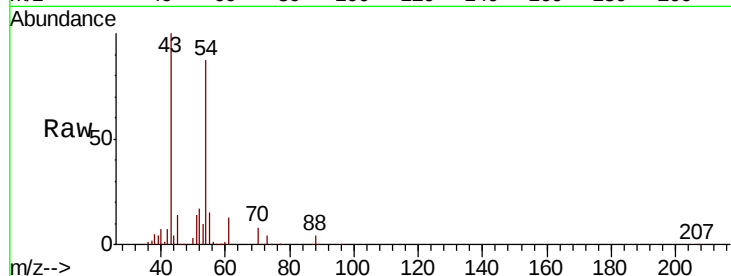




#37
Ethyl Acetate
Concen: 94.529 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012128.D
Acq: 23 Aug 2019 11:29

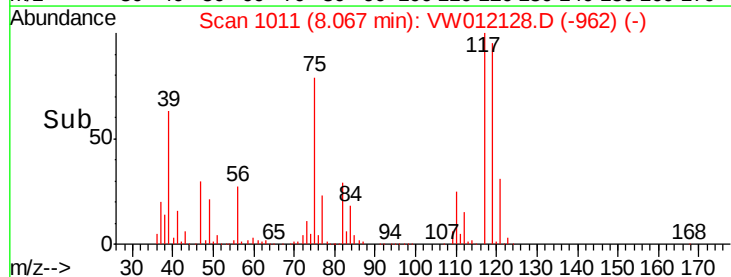
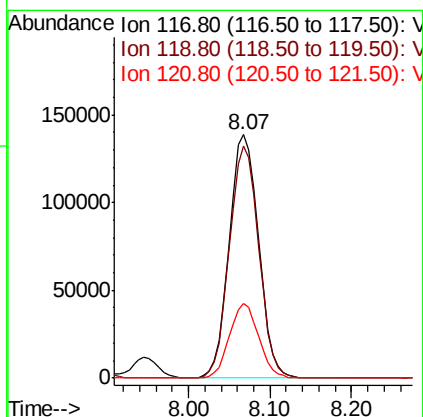
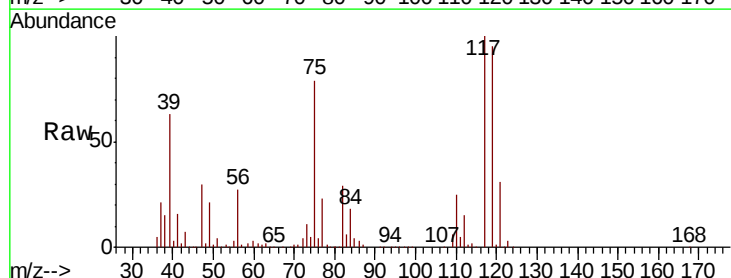
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

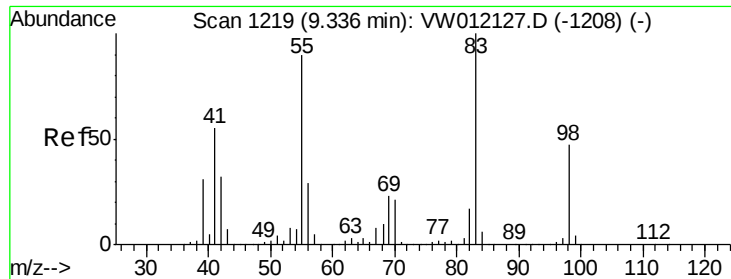
Tgt Ion: 43 Resp: 215005
Ion Ratio Lower Upper
43 100
61 11.2 9.2 13.8
70 8.5 6.9 10.3



#38
Carbon Tetrachloride
Concen: 95.813 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012128.D
Acq: 23 Aug 2019 11:29

Tgt Ion: 117 Resp: 344205
Ion Ratio Lower Upper
117 100
119 95.2 76.2 114.2
121 30.6 23.8 35.8

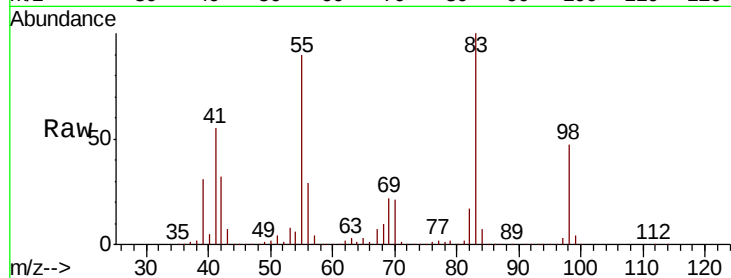




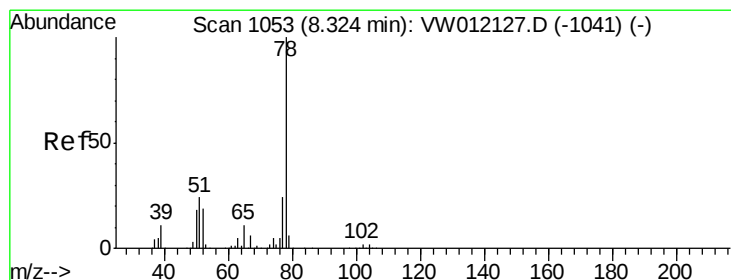
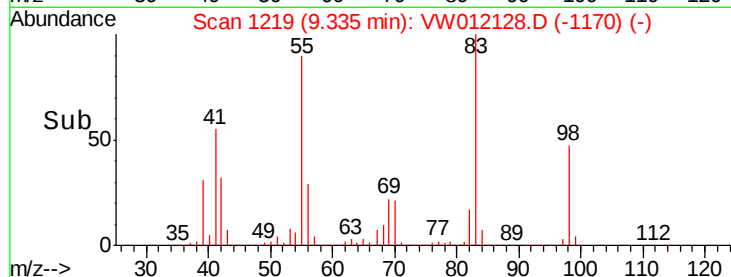
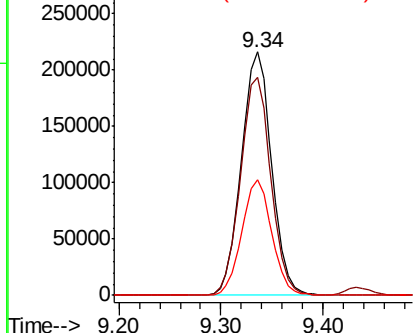
#39
Methylcyclohexane
Concen: 95.678 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012128.D
Acq: 23 Aug 2019 11:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tgt Ion: 83 Resp: 446137
Ion Ratio Lower Upper
83 100
55 89.5 71.8 107.8
98 47.5 37.8 56.8

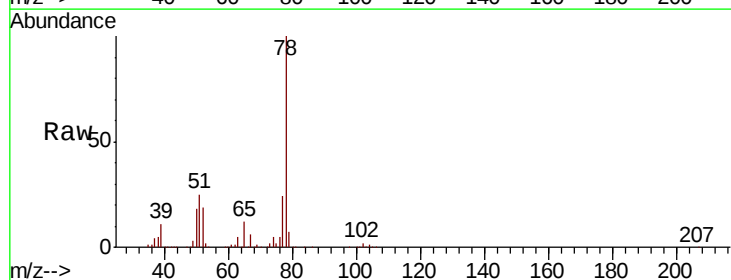


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

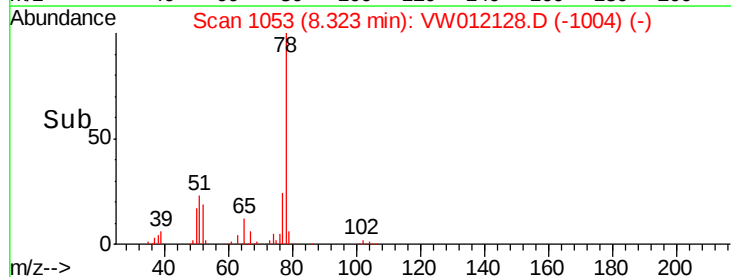
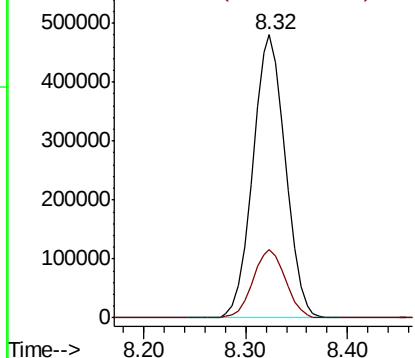


#40
Benzene
Concen: 93.793 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012128.D
Acq: 23 Aug 2019 11:29

Tgt Ion: 78 Resp: 1063006
Ion Ratio Lower Upper
78 100
77 24.0 19.5 29.3



Abundance Ion 78.00 (77.70 to 78.70): VW
Ion 77.00 (76.70 to 77.70): VW

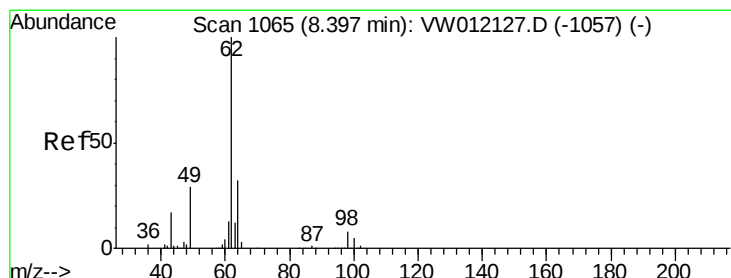
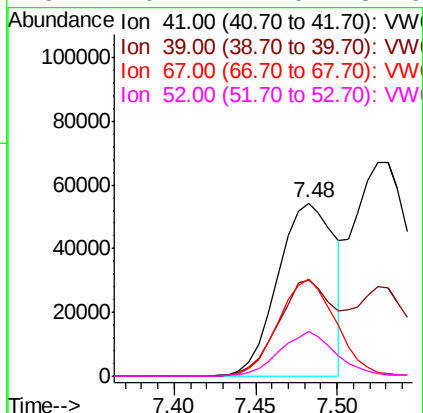
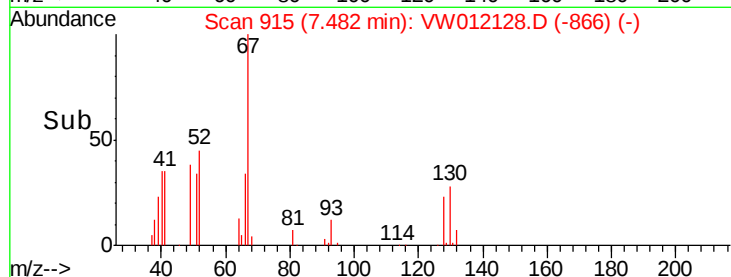
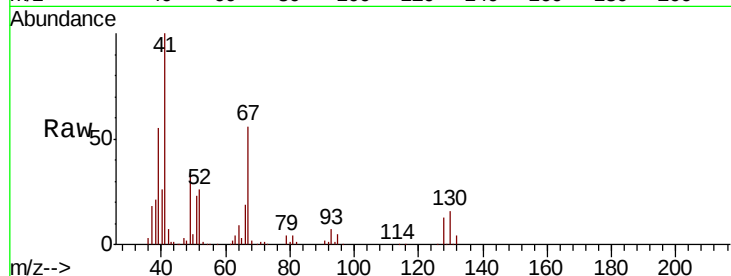




#41
Methacrylonitrile
Concen: 97.917 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW012128.D
Acq: 23 Aug 2019 11:29

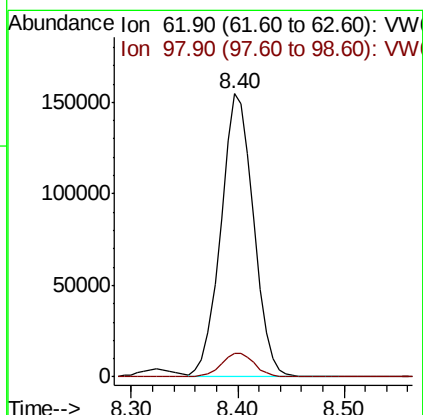
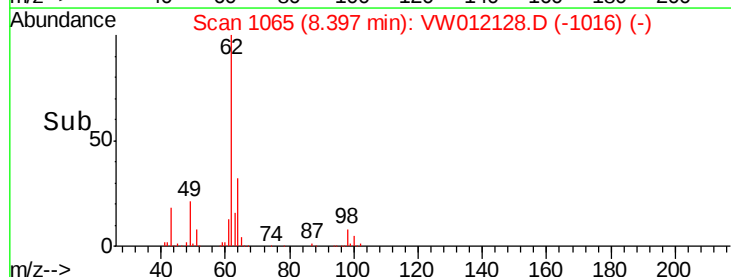
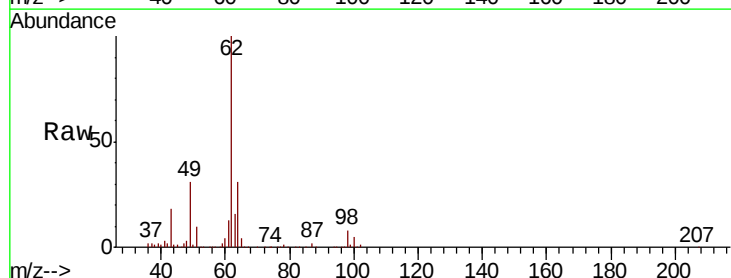
Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

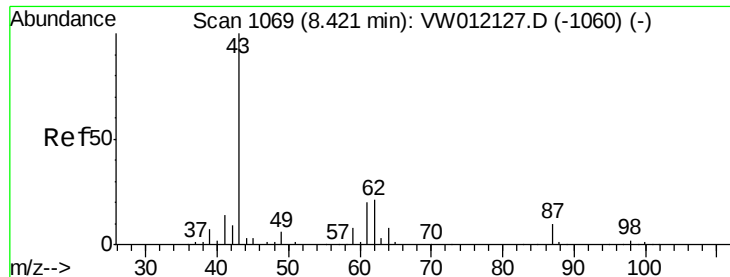
Tgt Ion:	41	Resp:	130894
Ion	Ratio	Lower	Upper
41	100		
39	53.0	45.8	68.8
67	57.5	46.2	69.4
52	26.1	21.0	31.6



#42
1,2-Dichloroethane
Concen: 93.123 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012128.D
Acq: 23 Aug 2019 11:29

Tgt Ion:	62	Resp:	330777
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	16.6





#43

Isopropyl Acetate

Concen: 98.382 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012128.D

Acq: 23 Aug 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

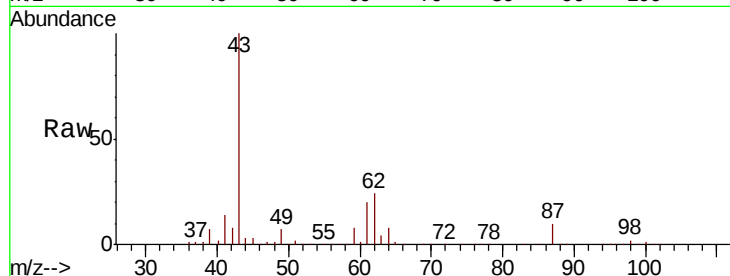
Tgt Ion: 43 Resp: 414487

Ion Ratio Lower Upper

43 100

61 26.1 21.1 31.7

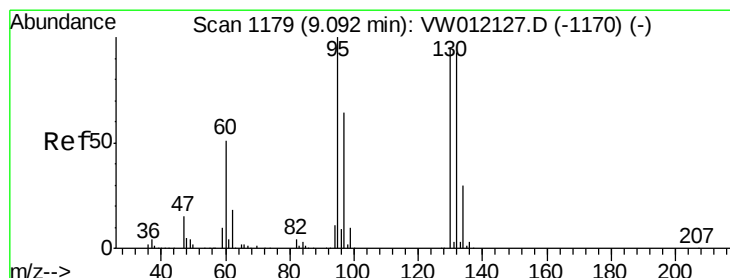
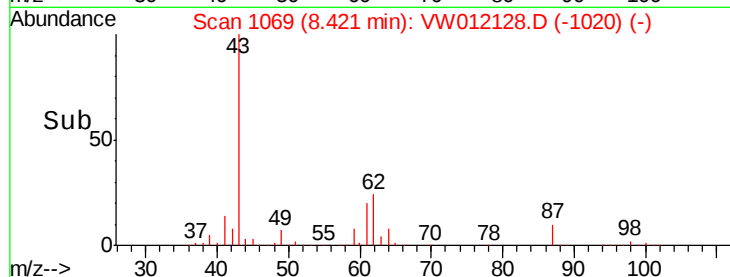
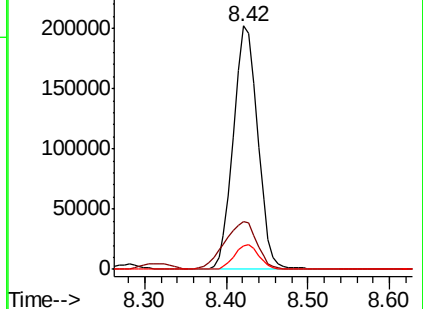
87 10.2 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 94.258 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW012128.D

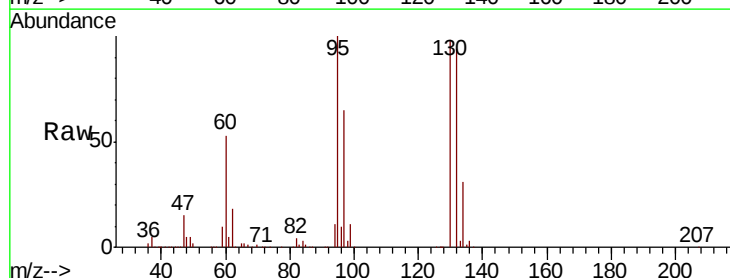
Acq: 23 Aug 2019 11:29

Tgt Ion: 130 Resp: 259695

Ion Ratio Lower Upper

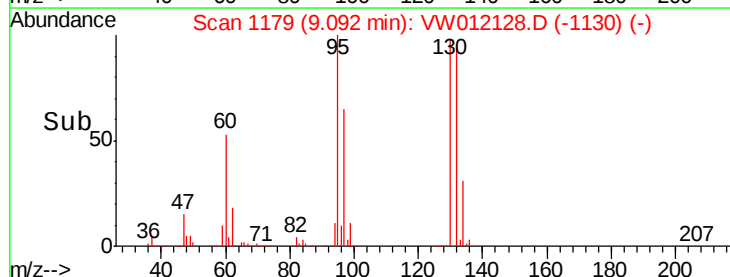
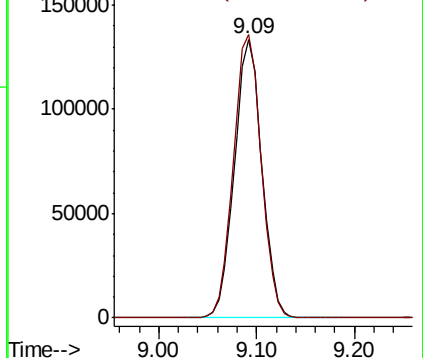
130 100

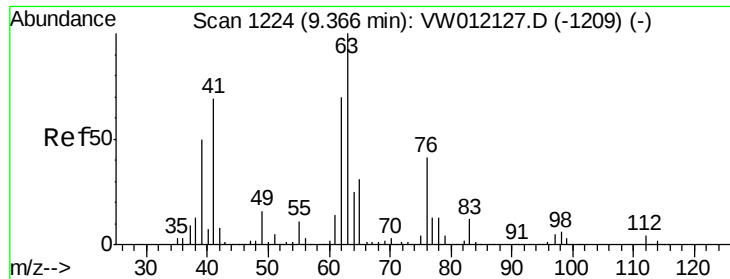
95 101.6 0.0 210.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

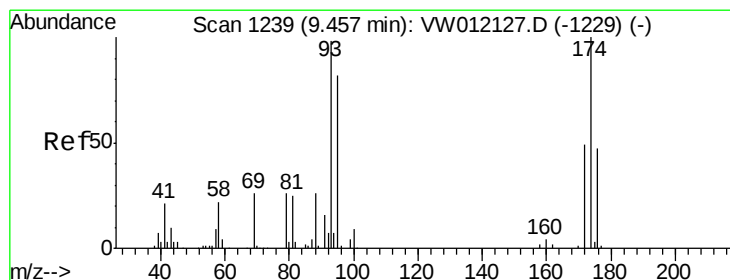
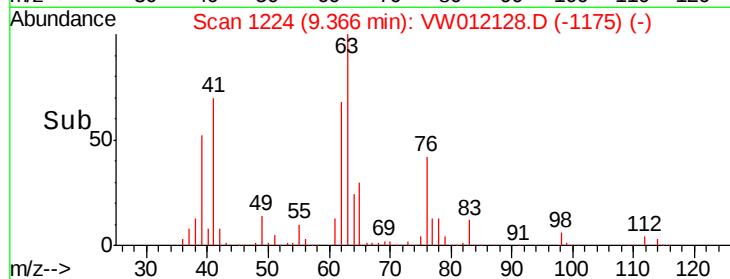
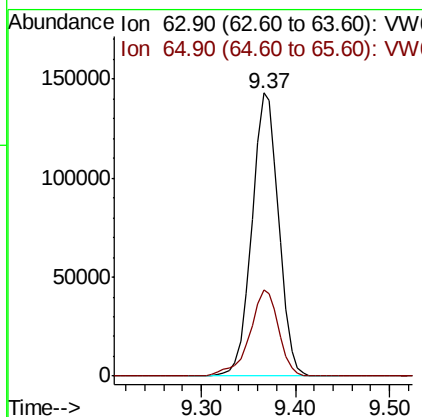
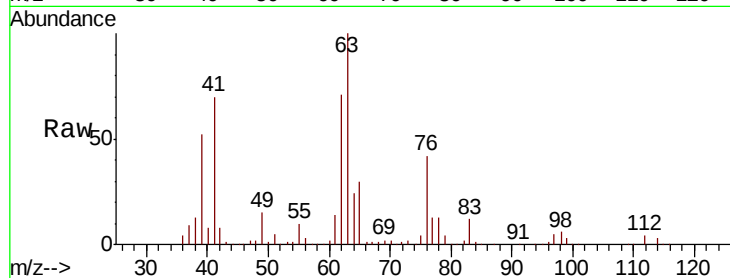




#45
 1,2-Dichloropropane
 Concen: 93.711 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW012128.D
 Acq: 23 Aug 2019 11:29

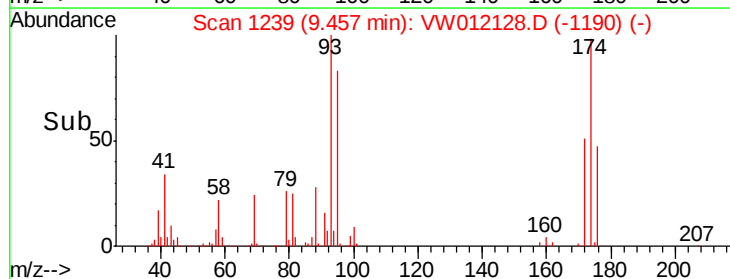
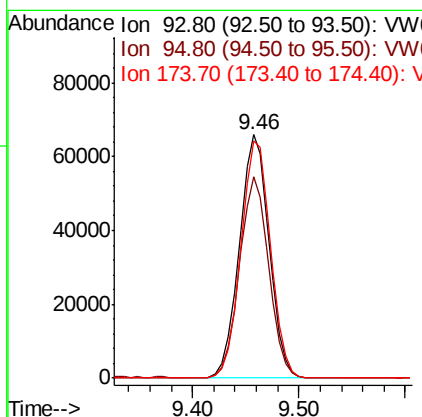
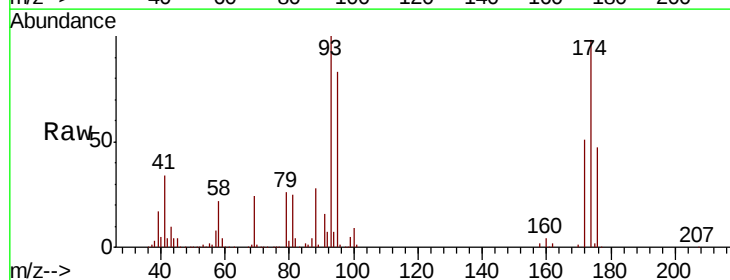
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tgt Ion: 63 Resp: 285839
 Ion Ratio Lower Upper
 63 100
 65 30.5 25.0 37.4



#46
 Dibromomethane
 Concen: 95.196 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW012128.D
 Acq: 23 Aug 2019 11:29

Tgt Ion: 93 Resp: 129193
 Ion Ratio Lower Upper
 93 100
 95 81.7 67.2 100.8
 174 97.6 79.0 118.6





#47

Bromodichloromethane

Concen: 96.193 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW012128.D

Acq: 23 Aug 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

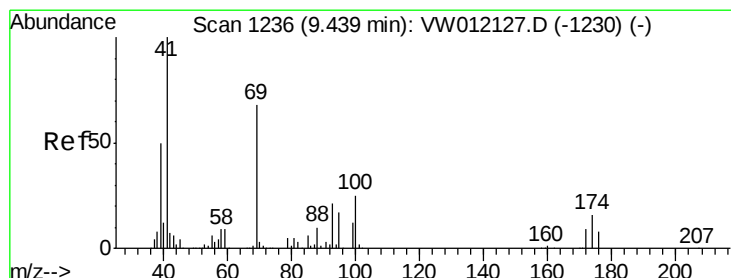
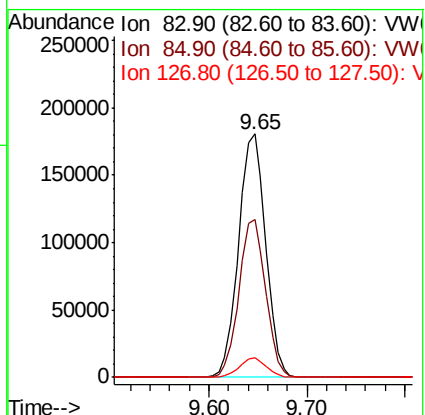
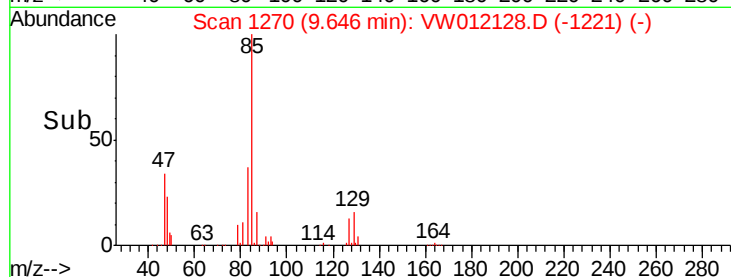
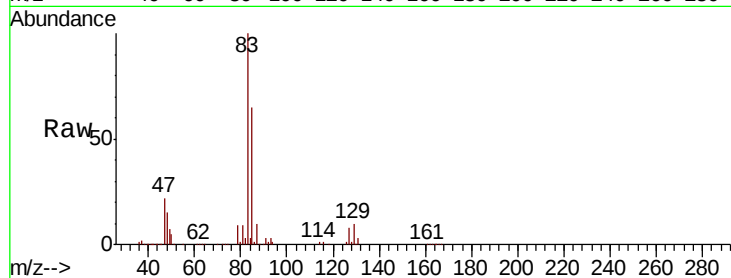
Tgt Ion: 83 Resp: 347440

Ion Ratio Lower Upper

83 100

85 64.7 49.4 74.2

127 8.2 6.1 9.1



#48

Methyl methacrylate

Concen: 100.216 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VW012128.D

Acq: 23 Aug 2019 11:29

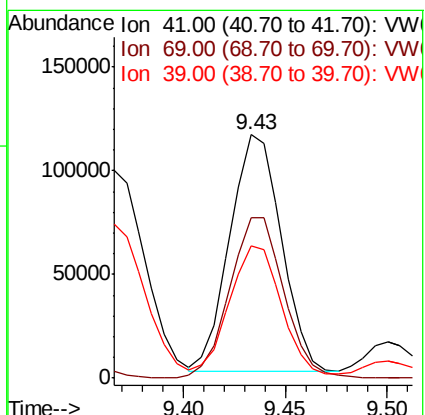
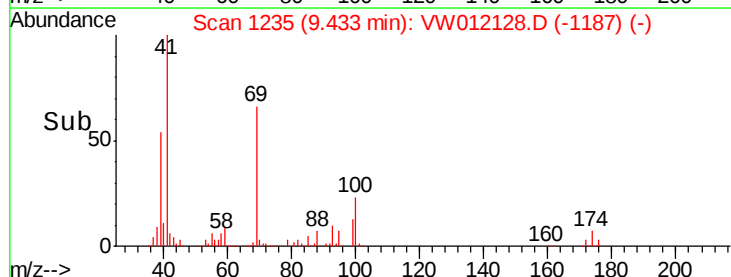
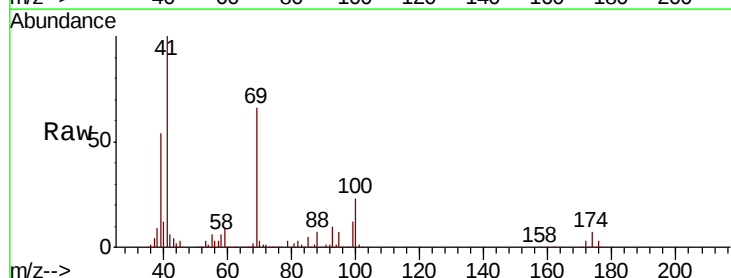
Tgt Ion: 41 Resp: 200952

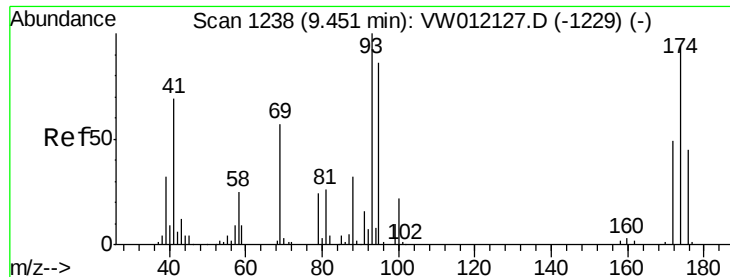
Ion Ratio Lower Upper

41 100

69 71.2 56.7 85.1

39 53.9 42.0 63.0





#49

1,4-Dioxane

Concen: 2050.391 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. -0.00 min

Lab File: VW012128.D

Acq: 23 Aug 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

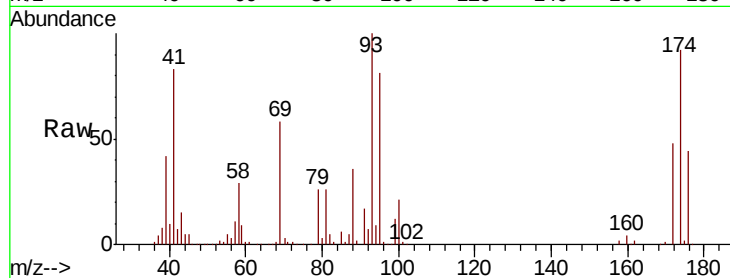
Tgt Ion: 88 Resp: 42599

Ion Ratio Lower Upper

88 100

43 39.7 32.9 49.3

58 85.5 71.0 106.4

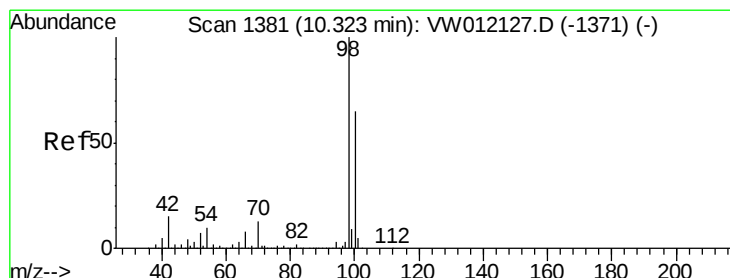
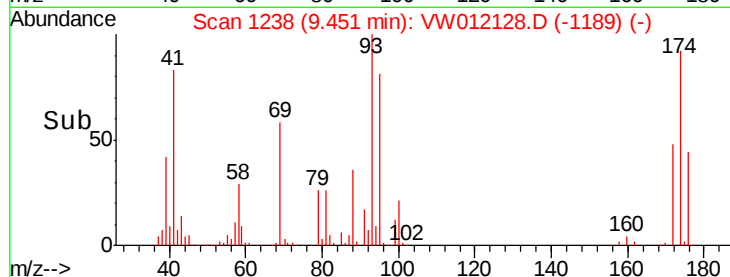
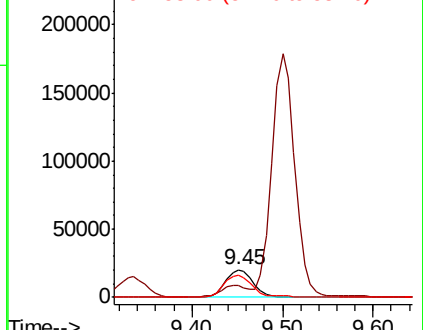


Abundance

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: 96.965 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012128.D

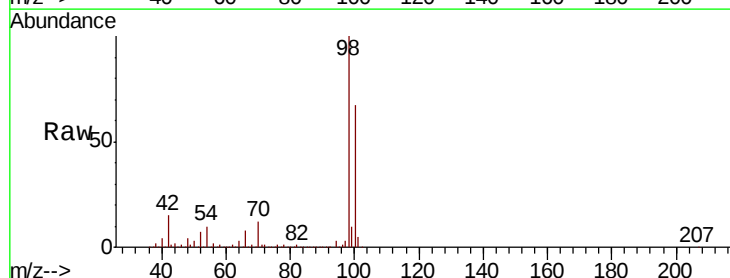
Acq: 23 Aug 2019 11:29

Tgt Ion: 98 Resp: 942605

Ion Ratio Lower Upper

98 100

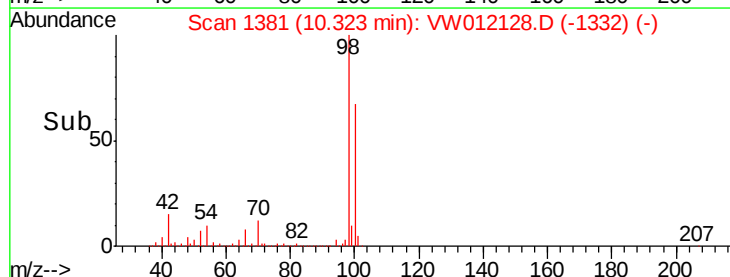
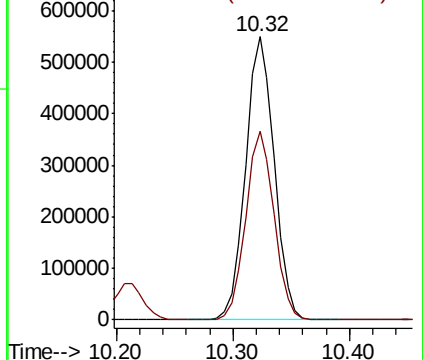
100 66.0 52.4 78.6

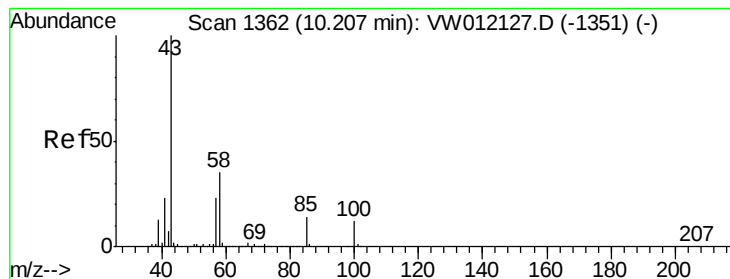


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 492.882 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW012128.D

Acq: 23 Aug 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

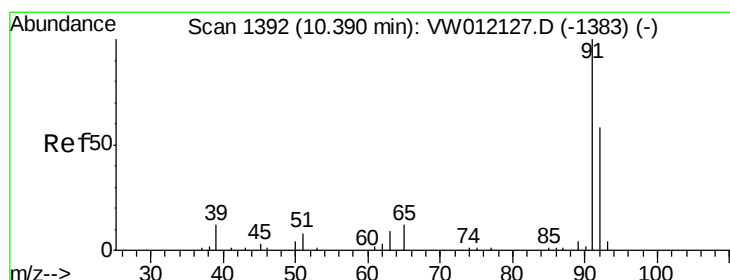
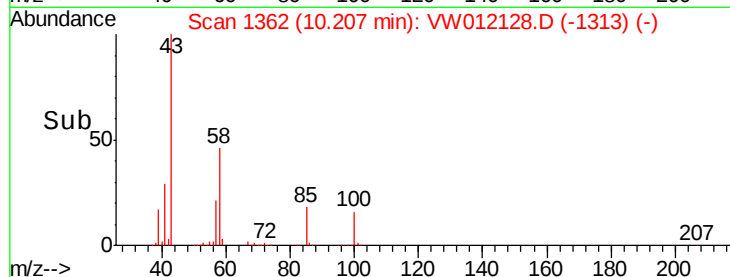
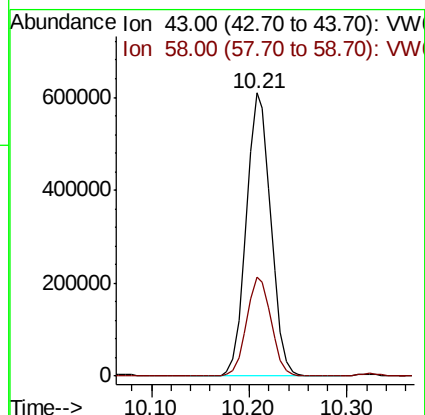
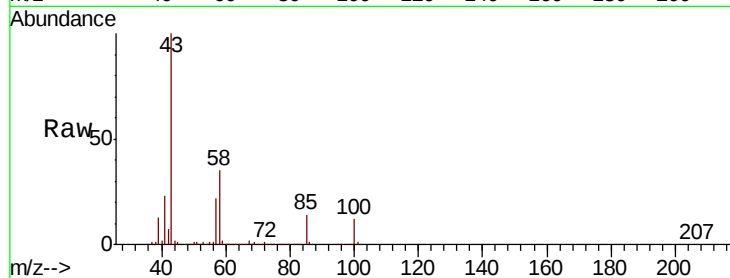
VSTDIC100

Tgt Ion: 43 Resp: 1056190

Ion Ratio Lower Upper

43 100

58 35.1 28.2 42.2



#52

Toluene

Concen: 94.748 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW012128.D

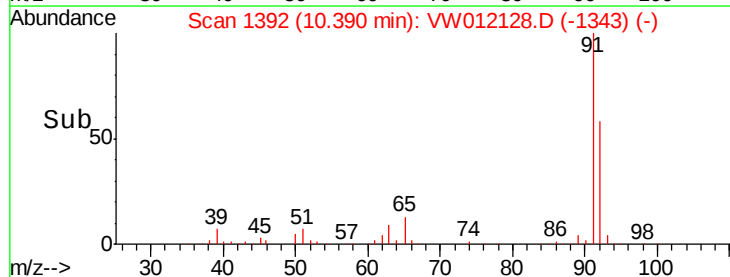
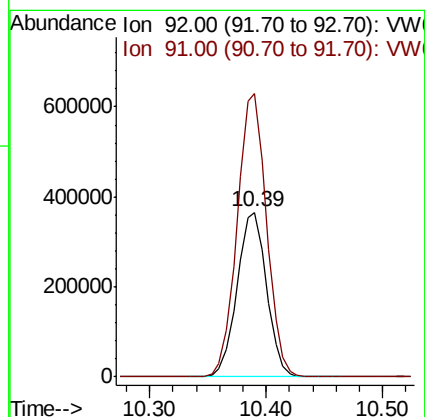
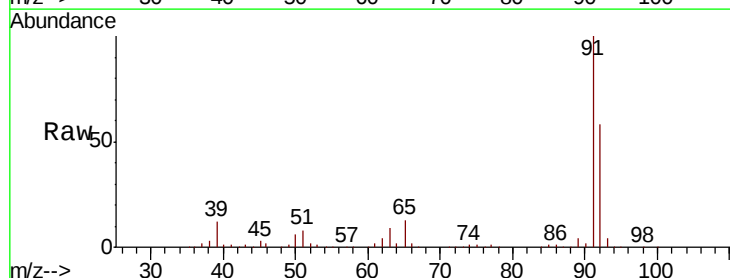
Acq: 23 Aug 2019 11:29

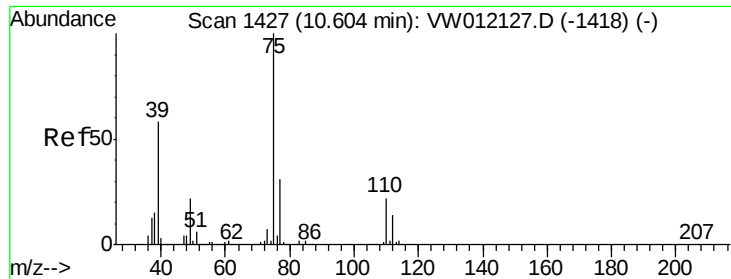
Tgt Ion: 92 Resp: 645099

Ion Ratio Lower Upper

92 100

91 171.4 136.6 204.8

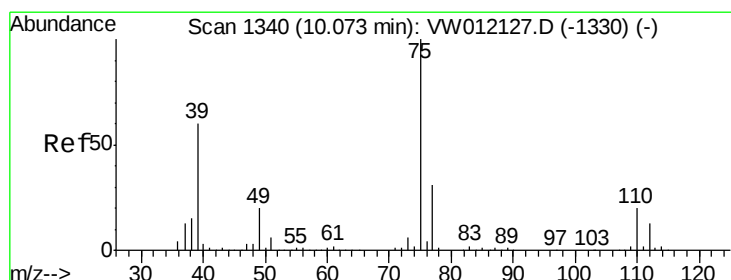
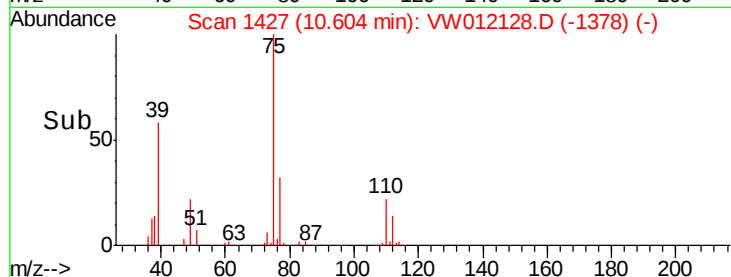
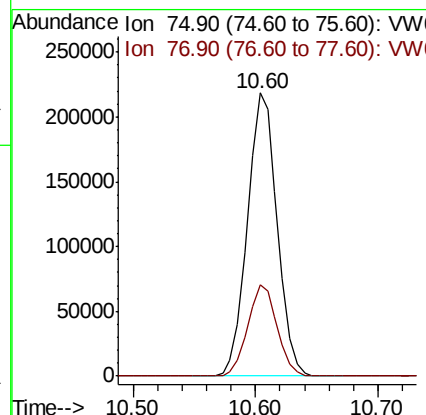
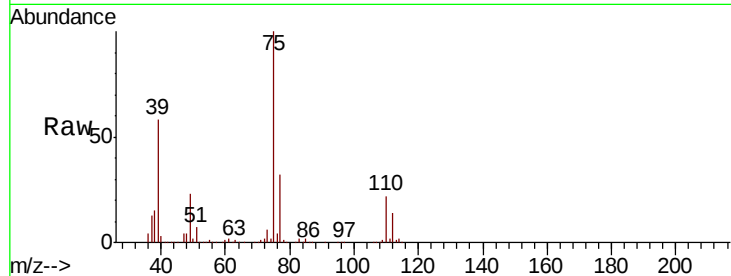




#53
 t-1,3-Dichloropropene
 Concen: 99.978 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW012128.D
 Acq: 23 Aug 2019 11:29

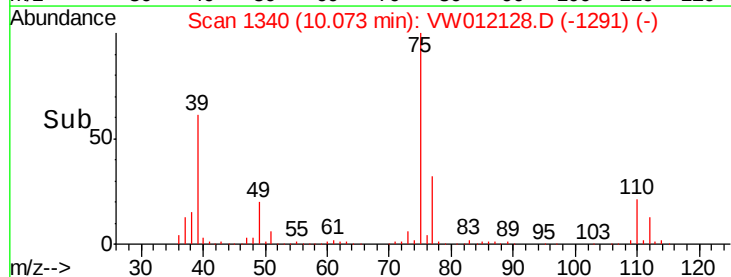
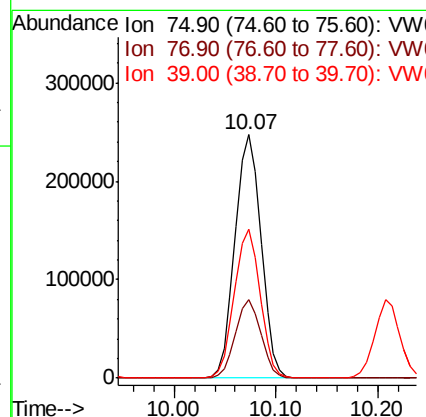
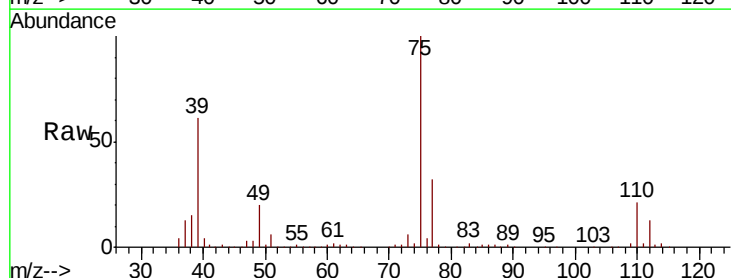
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

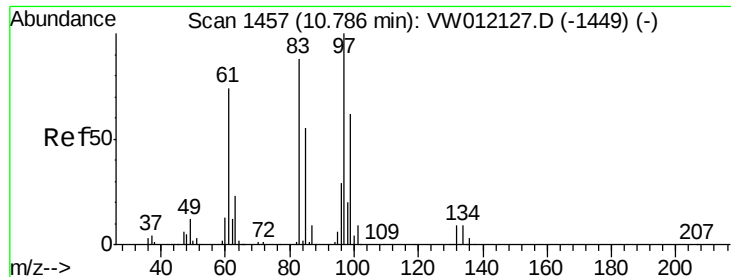
Tgt Ion: 75 Resp: 367833
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.0 37.4



#54
 cis-1,3-Dichloropropene
 Concen: 98.464 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW012128.D
 Acq: 23 Aug 2019 11:29

Tgt Ion: 75 Resp: 437414
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.1 37.7
 39 60.9 48.3 72.5





#55

1,1,2-Trichloroethane

Concen: 93.829 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW012128.D

Acq: 23 Aug 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tgt Ion: 97 Resp: 180166

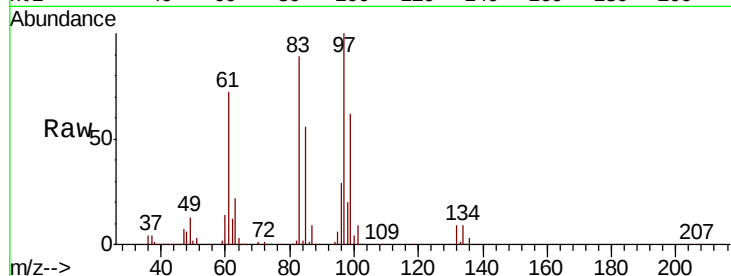
Ion Ratio Lower Upper

97 100

83 89.3 70.8 106.2

85 56.2 43.8 65.8

99 62.1 49.8 74.6



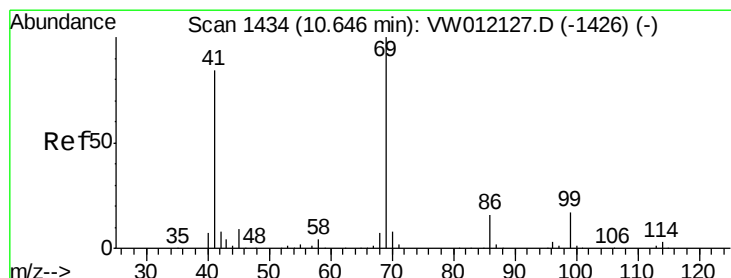
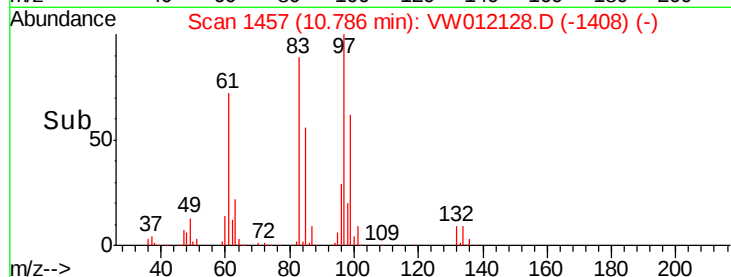
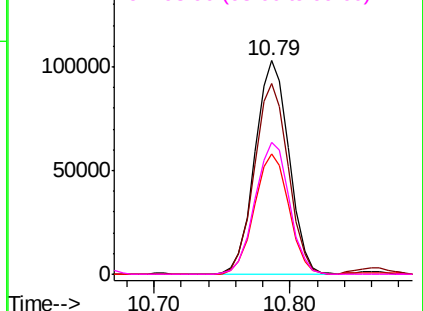
Abundance

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: 100.734 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW012128.D

Acq: 23 Aug 2019 11:29

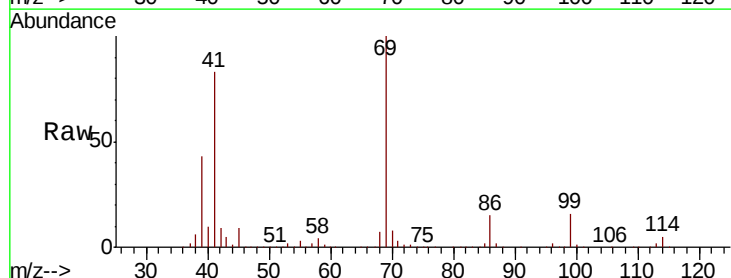
Tgt Ion: 69 Resp: 281513

Ion Ratio Lower Upper

69 100

41 84.1 66.5 99.7

39 39.0 31.0 46.4

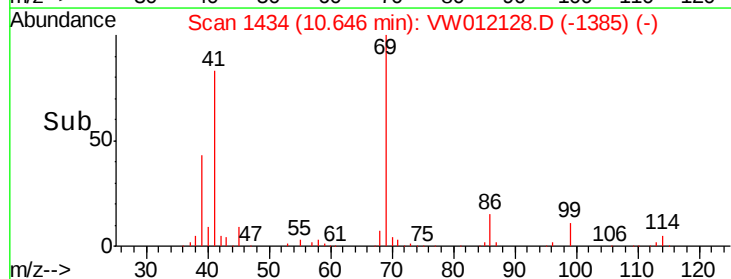
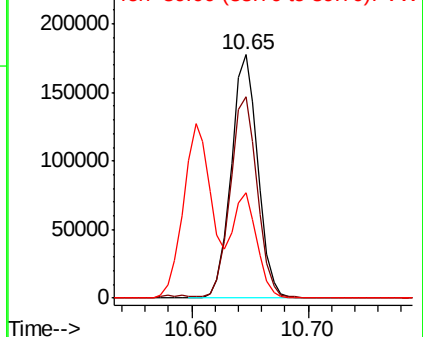


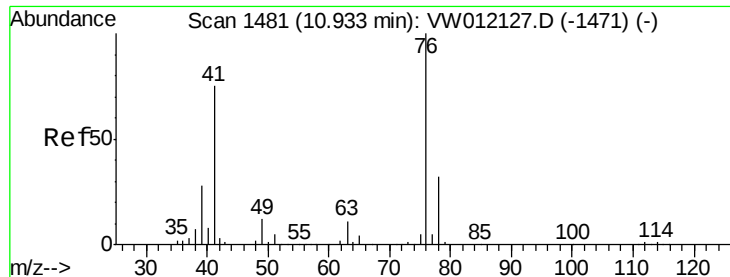
Abundance

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

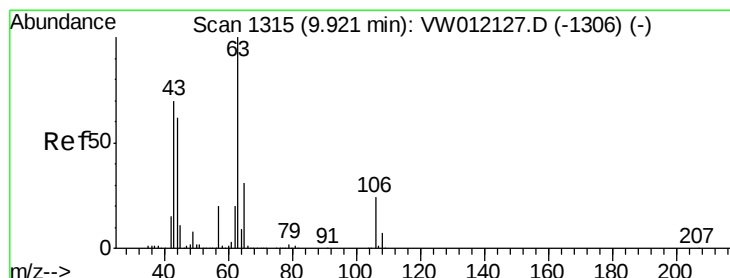
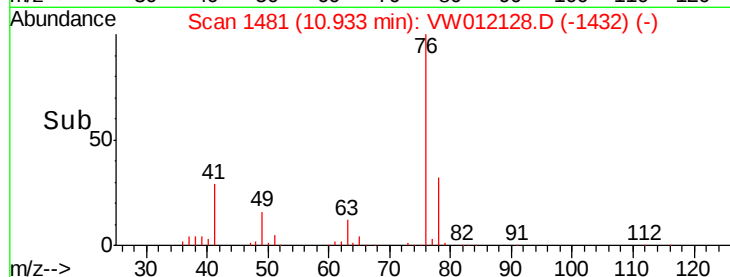
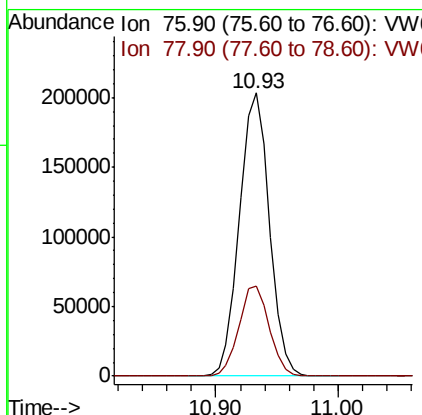
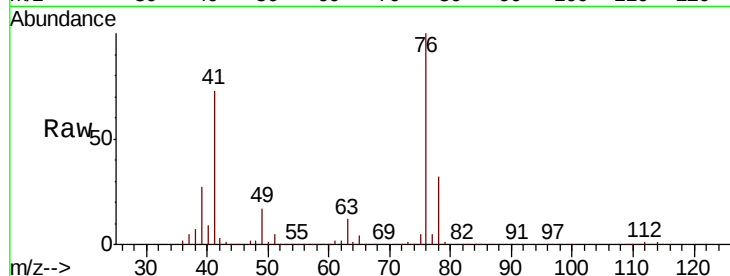




#57
 1,3-Dichloropropane
 Concen: 95.378 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012128.D
 Acq: 23 Aug 2019 11:29

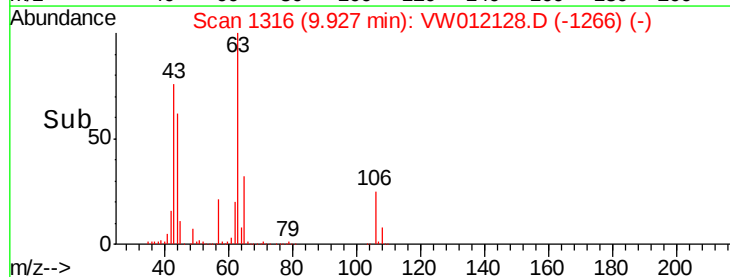
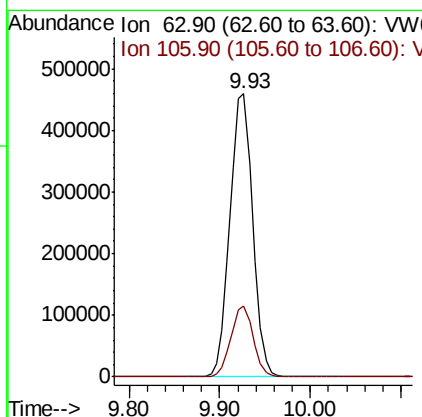
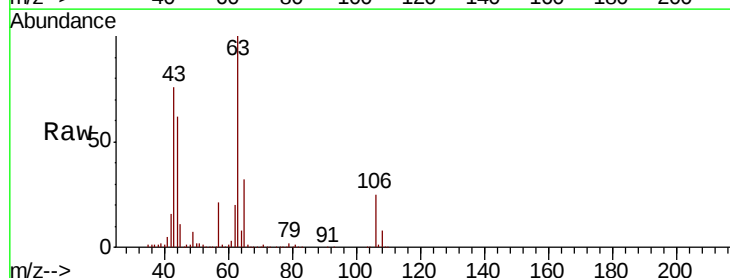
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

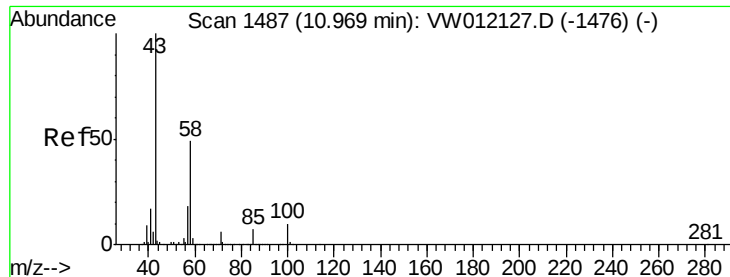
Tgt Ion: 76 Resp: 346088
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 558.730 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW012128.D
 Acq: 23 Aug 2019 11:29

Tgt Ion: 63 Resp: 801363
 Ion Ratio Lower Upper
 63 100
 106 24.6 19.8 29.8

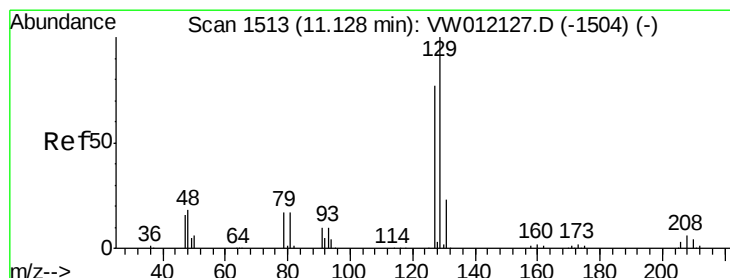
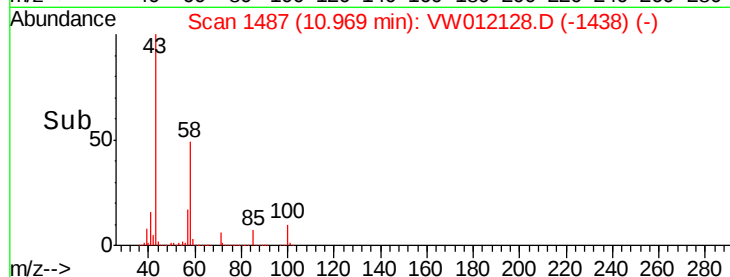
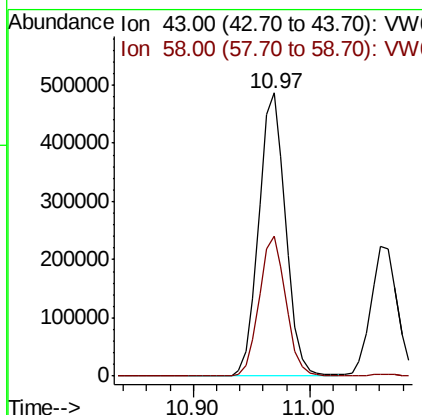
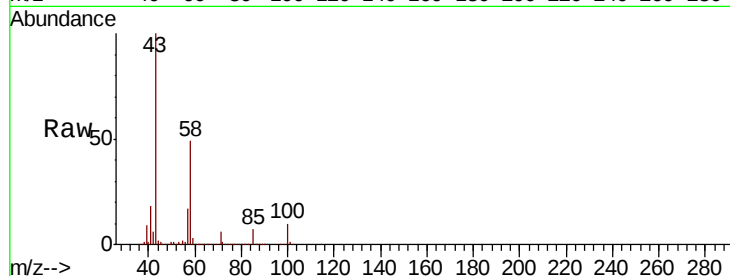




#59
2-Hexanone
Concen: 514.852 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012128.D
Acq: 23 Aug 2019 11:29

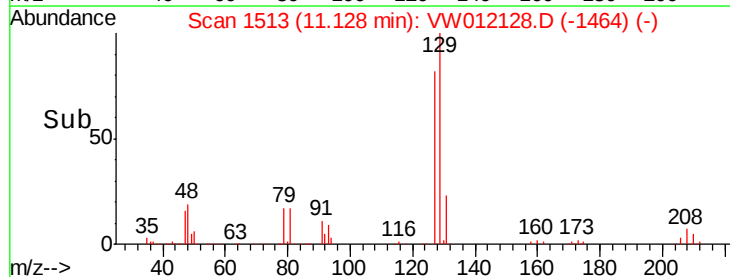
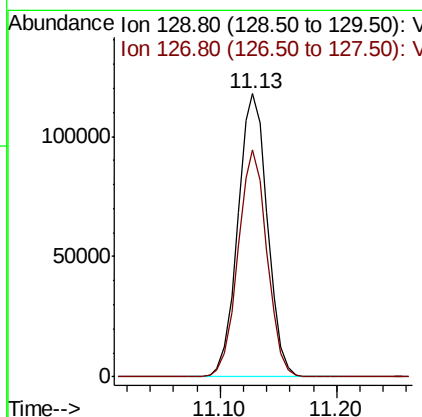
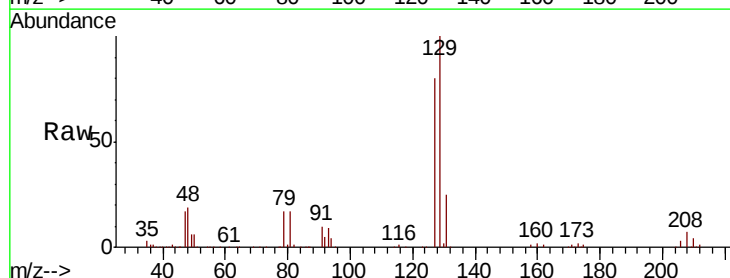
Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

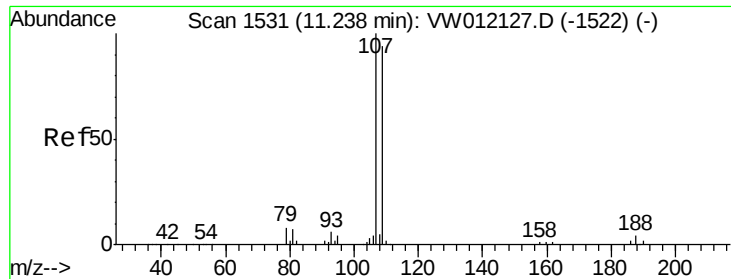
Tgt Ion: 43 Resp: 780634
Ion Ratio Lower Upper
43 100
58 49.0 24.3 72.9



#60
Dibromochloromethane
Concen: 96.953 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012128.D
Acq: 23 Aug 2019 11:29

Tgt Ion: 129 Resp: 207356
Ion Ratio Lower Upper
129 100
127 78.8 38.6 115.8





#61

1,2-Dibromoethane

Concen: 97.311 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW012128.D

Acq: 23 Aug 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

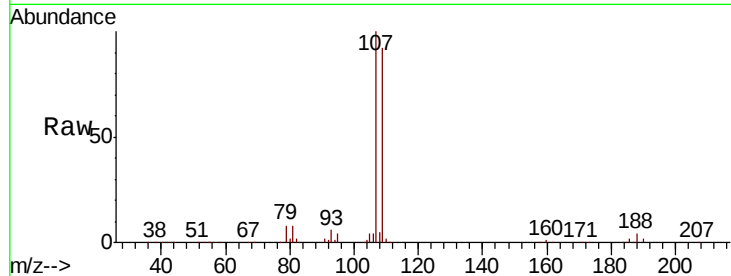
VSTDIC100

Tgt Ion: 107 Resp: 174077

Ion Ratio Lower Upper

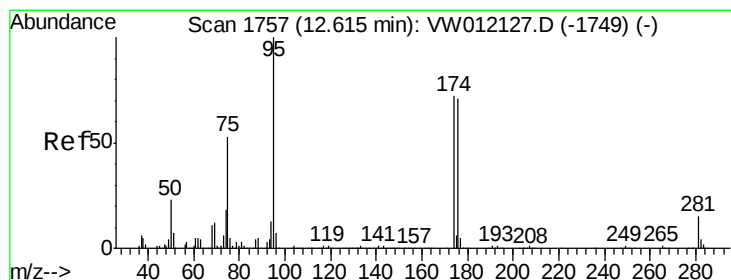
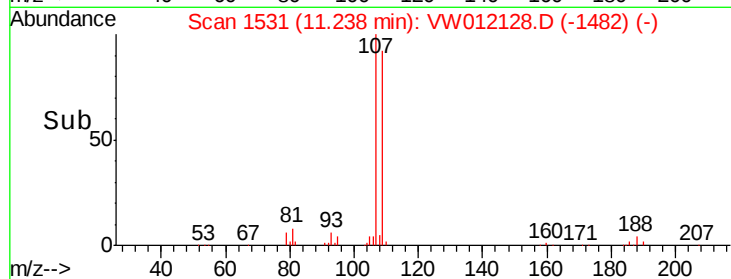
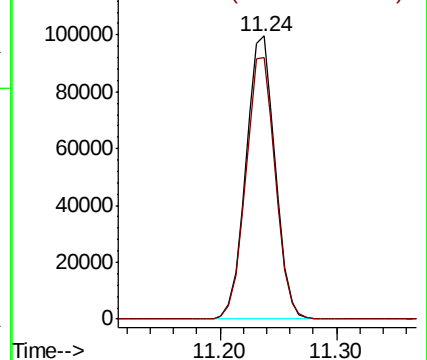
107 100

109 93.6 75.4 113.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 95.743 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012128.D

Acq: 23 Aug 2019 11:29

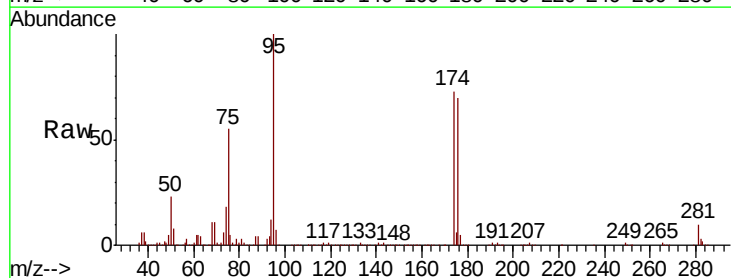
Tgt Ion: 95 Resp: 328081

Ion Ratio Lower Upper

95 100

174 75.6 0.0 150.8

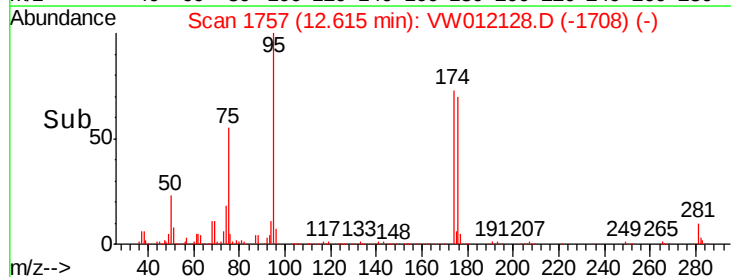
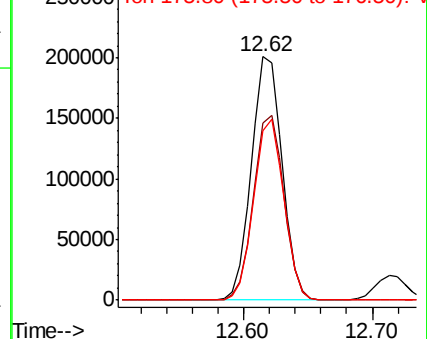
176 73.2 0.0 148.6

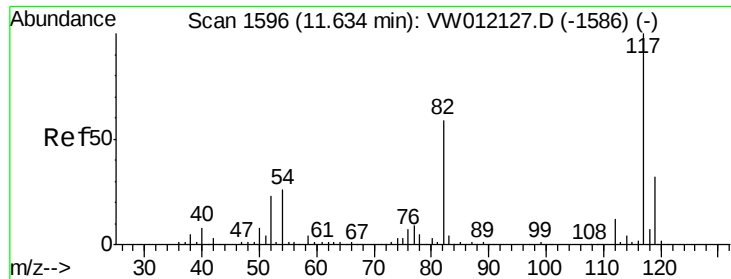


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

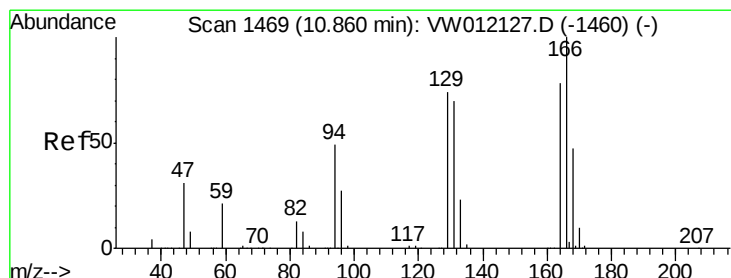
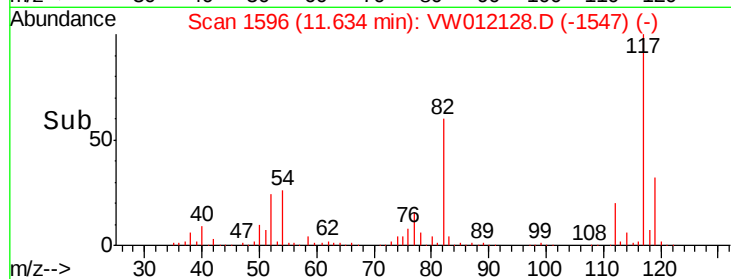
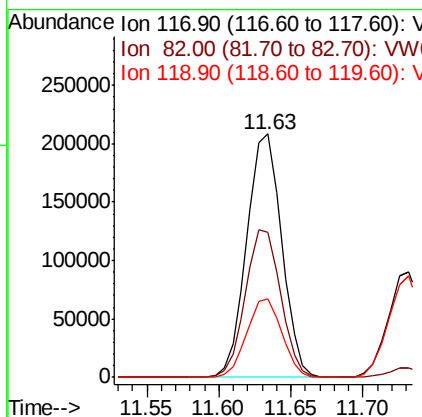
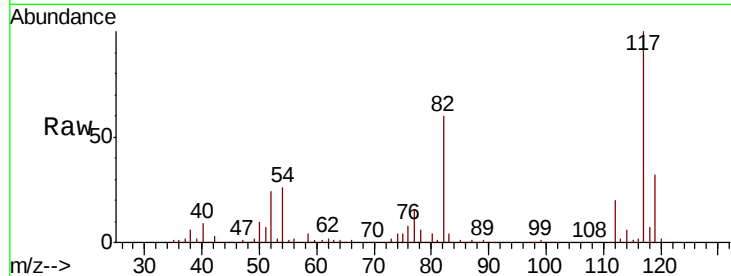




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012128.D
Acq: 23 Aug 2019 11:29

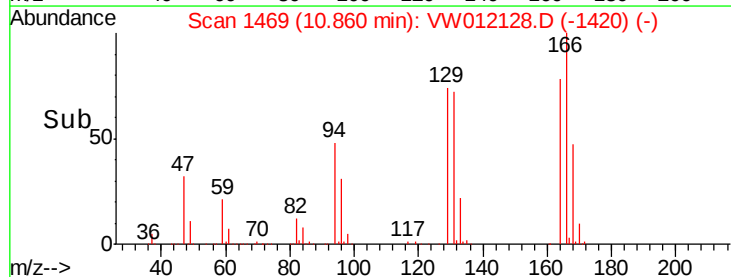
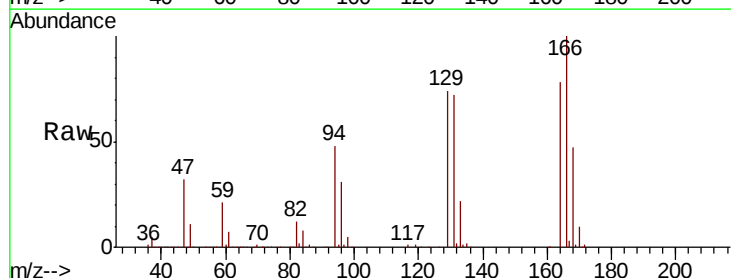
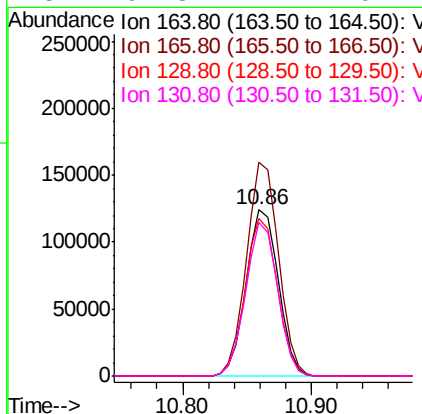
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

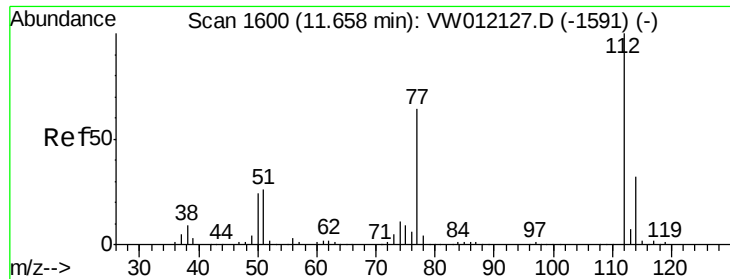
Tgt Ion:117 Resp: 351361
Ion Ratio Lower Upper
117 100
82 59.6 47.4 71.2
119 32.2 25.4 38.2



#64
Tetrachloroethene
Concen: 94.123 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012128.D
Acq: 23 Aug 2019 11:29

Tgt Ion:164 Resp: 214410
Ion Ratio Lower Upper
164 100
166 128.6 102.4 153.6
129 95.2 75.8 113.6
131 92.3 71.4 107.2

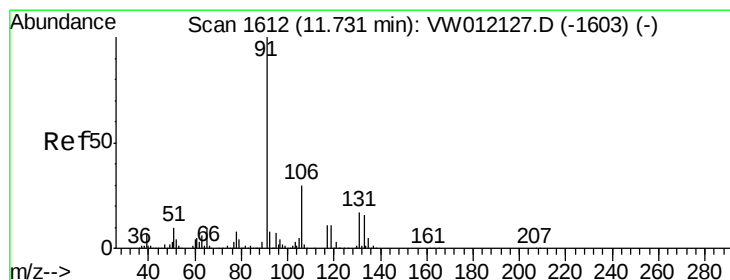
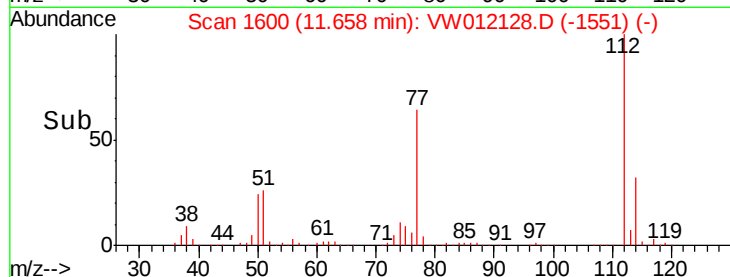
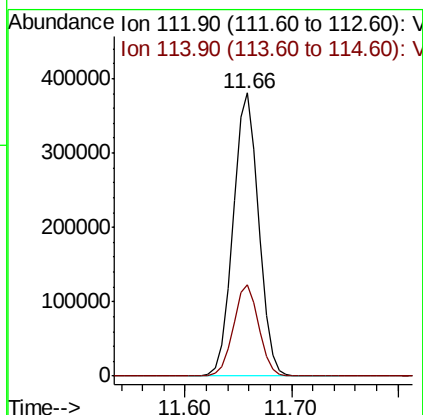
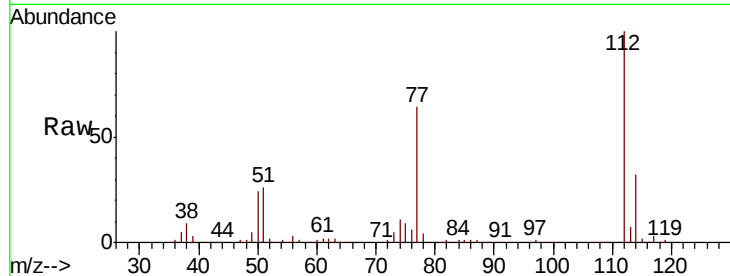




#65
Chlorobenzene
Concen: 92.426 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012128.D
Acq: 23 Aug 2019 11:29

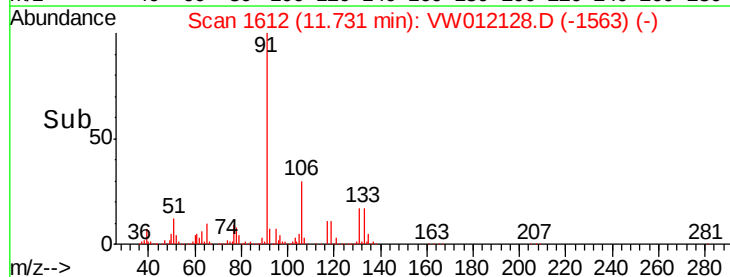
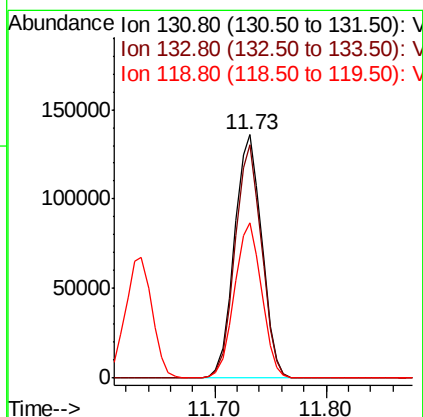
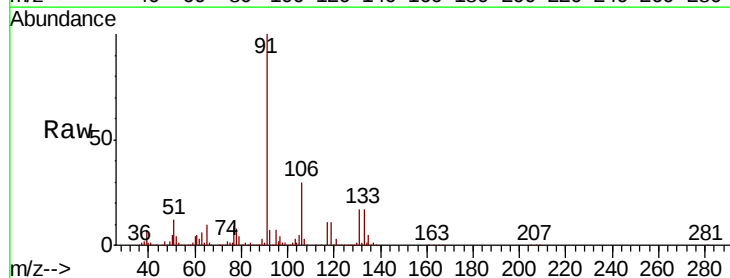
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

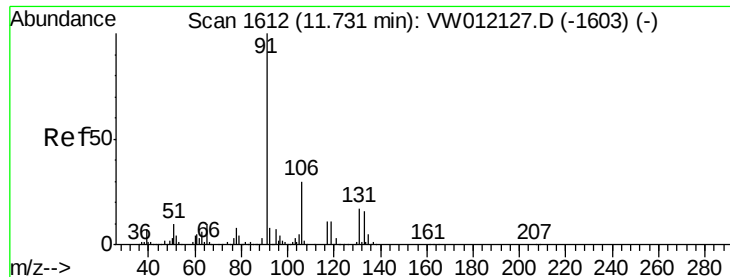
Tgt Ion:112 Resp: 639457
Ion Ratio Lower Upper
112 100
114 32.1 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 95.623 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012128.D
Acq: 23 Aug 2019 11:29

Tgt Ion:131 Resp: 230798
Ion Ratio Lower Upper
131 100
133 93.6 47.1 141.3
119 63.5 31.8 95.3

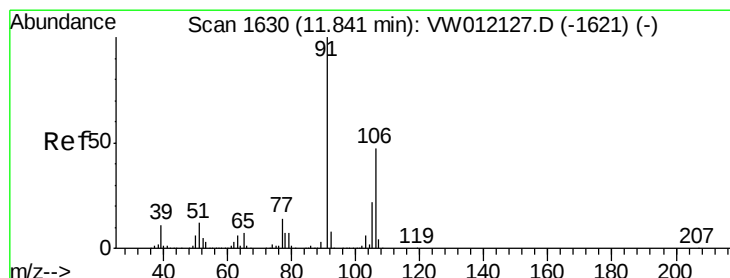
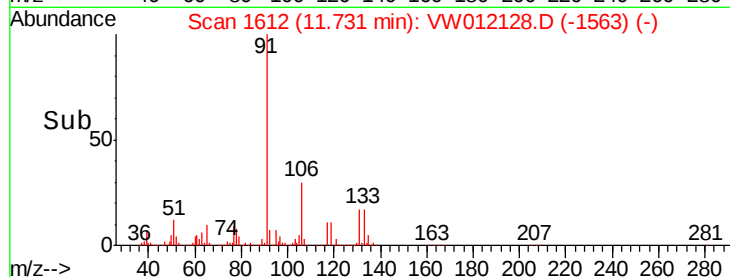
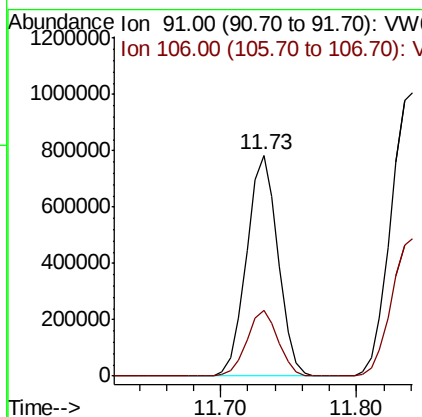
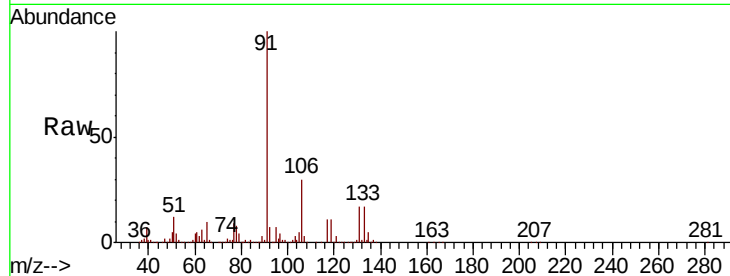




#67
Ethyl Benzene
Concen: 95.032 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012128.D
Acq: 23 Aug 2019 11:29

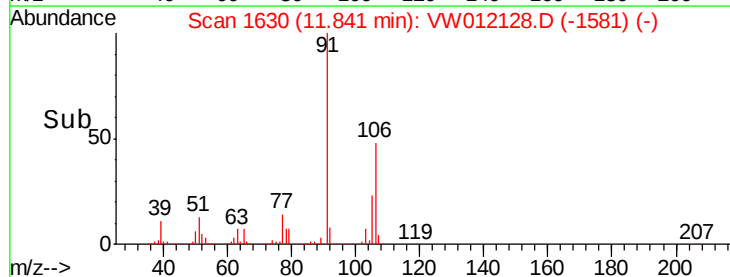
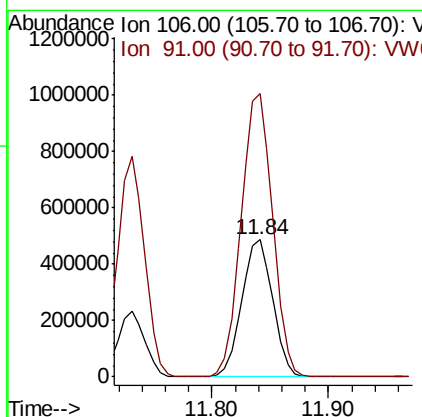
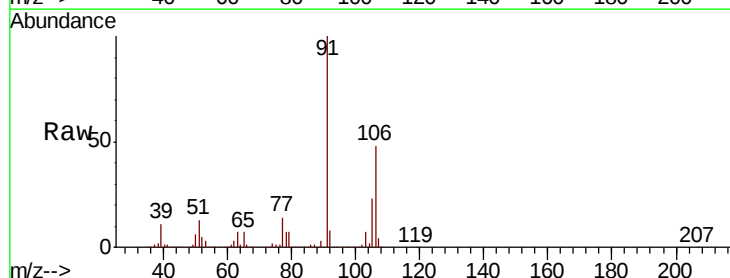
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

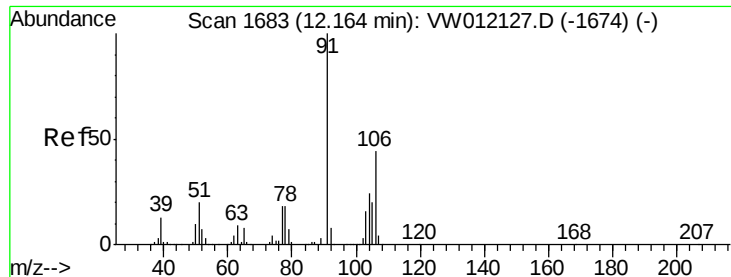
Tgt Ion: 91 Resp: 1266544
Ion Ratio Lower Upper
91 100
106 29.6 24.3 36.5



#68
m/p-Xylenes
Concen: 188.103 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW012128.D
Acq: 23 Aug 2019 11:29

Tgt Ion: 106 Resp: 903031
Ion Ratio Lower Upper
106 100
91 210.2 169.5 254.3

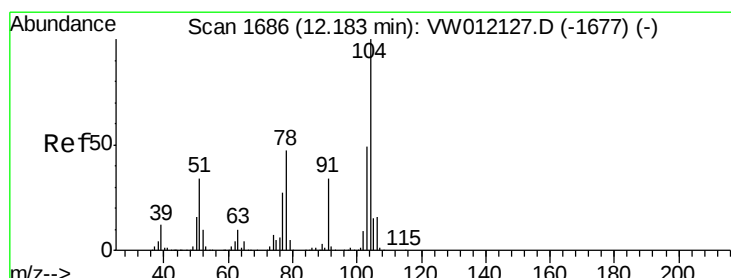
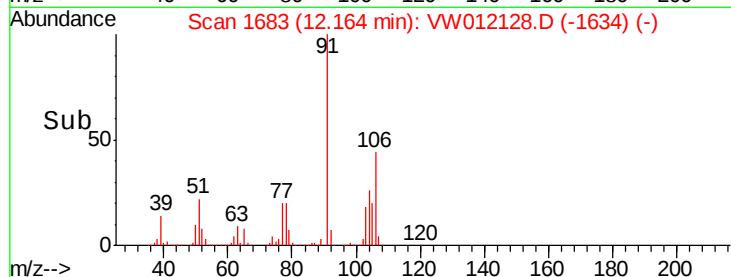
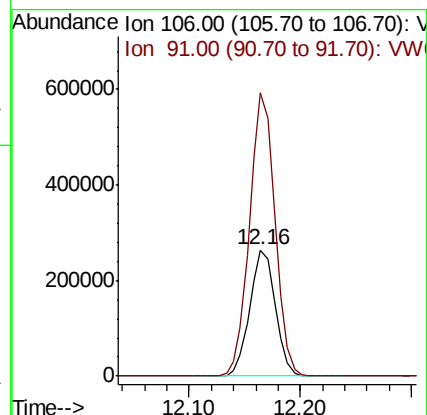
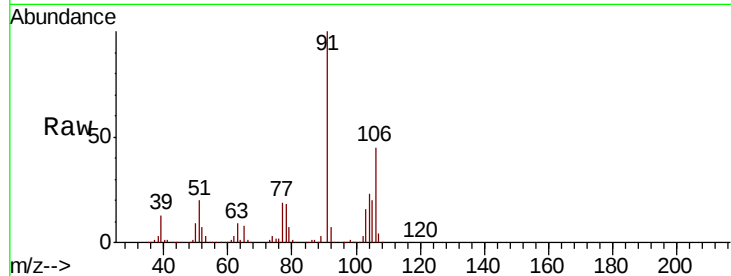




#69
o-Xylene
Concen: 94.851 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012128.D
Acq: 23 Aug 2019 11:29

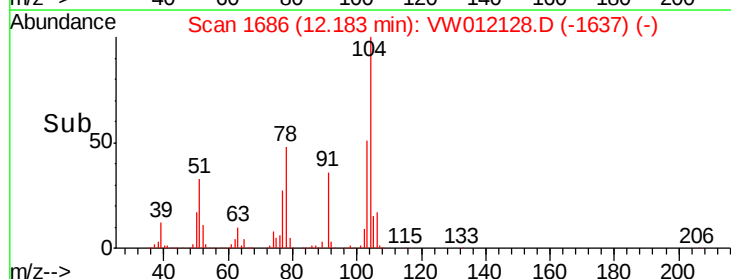
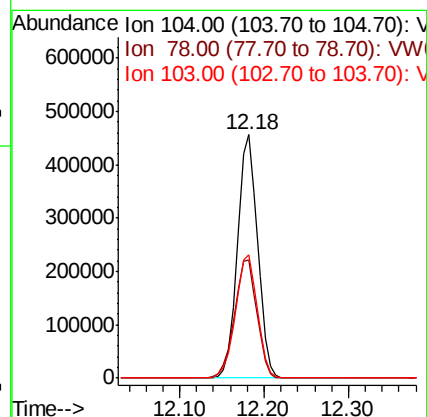
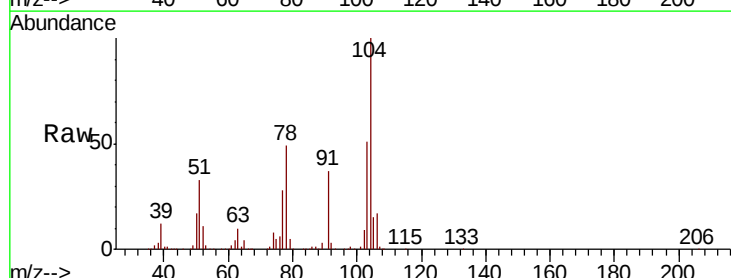
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

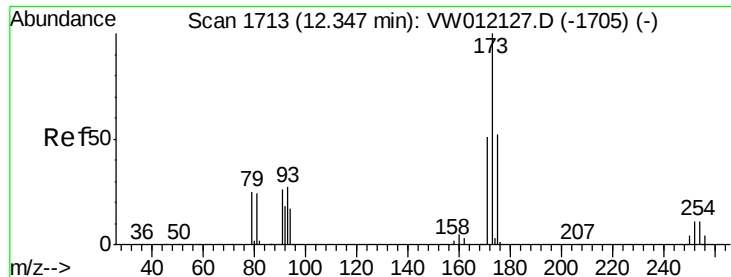
Tgt Ion:106 Resp: 421446
Ion Ratio Lower Upper
106 100
91 223.7 111.6 334.6



#70
Styrene
Concen: 95.622 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012128.D
Acq: 23 Aug 2019 11:29

Tgt Ion:104 Resp: 735411
Ion Ratio Lower Upper
104 100
78 54.1 43.1 64.7
103 54.8 43.5 65.3





#71

Bromoform

Concen: 98.276 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012128.D

Acq: 23 Aug 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

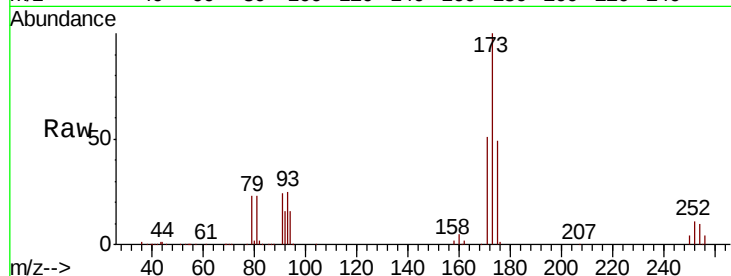
Tgt Ion:173 Resp: 118180

Ion Ratio Lower Upper

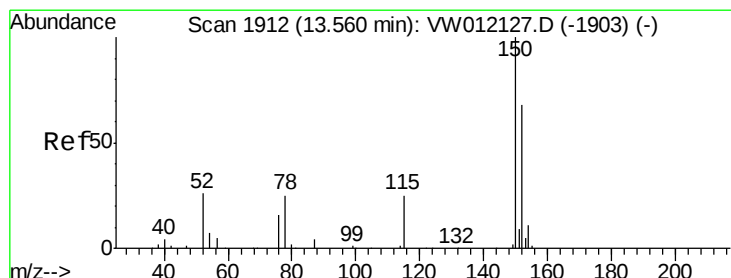
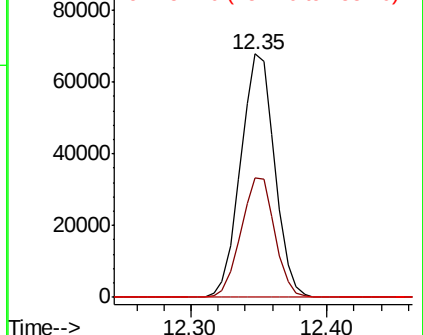
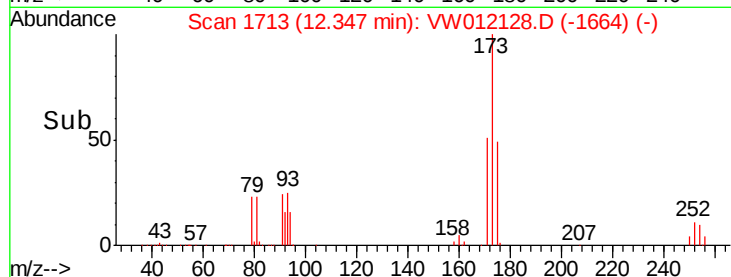
173 100

175 48.8 24.6 74.0

254 0.3 0.2 0.2#



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: VW012128.D

Acq: 23 Aug 2019 11:29

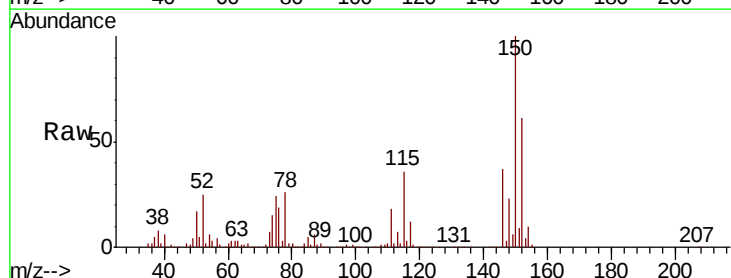
Tgt Ion:152 Resp: 164081

Ion Ratio Lower Upper

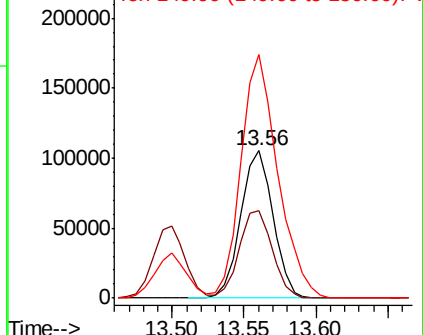
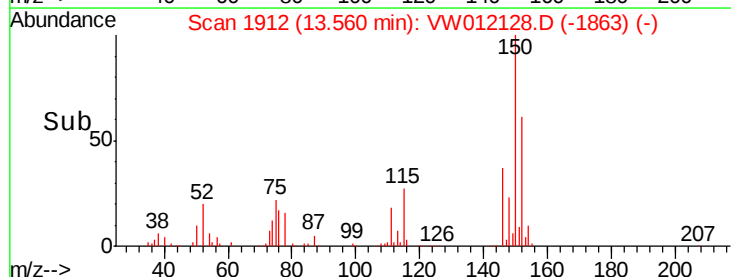
152 100

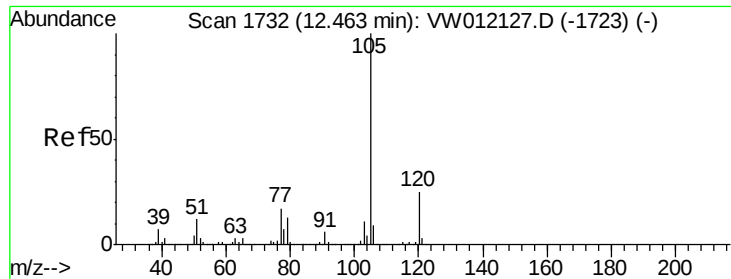
115 60.4 30.1 90.3

150 187.8 0.0 345.8



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: 96.252 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012128.D

Acq: 23 Aug 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

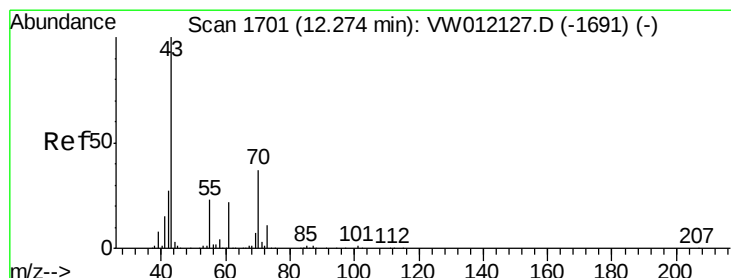
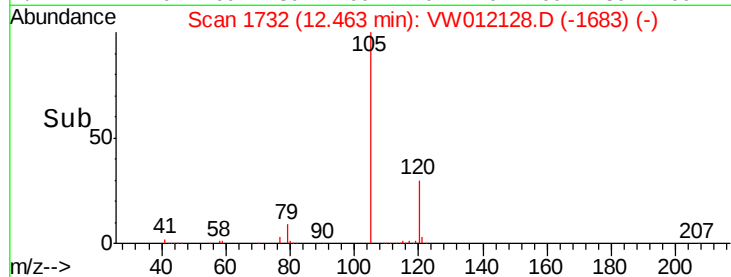
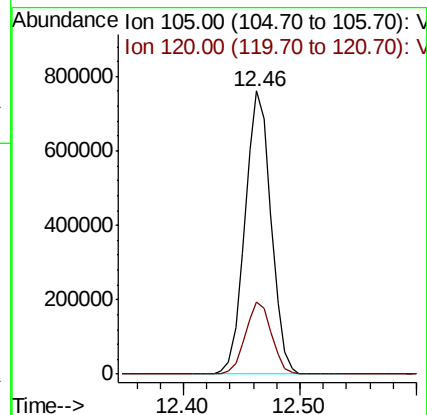
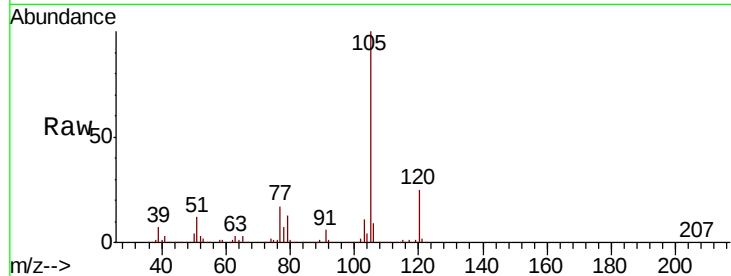
VSTDIC100

Tgt Ion:105 Resp: 1183407

Ion Ratio Lower Upper

105 100

120 25.5 12.5 37.5



#74

N-ethyl acetate

Concen: 100.915 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW012128.D

Acq: 23 Aug 2019 11:29

Tgt Ion: 43 Resp: 374860

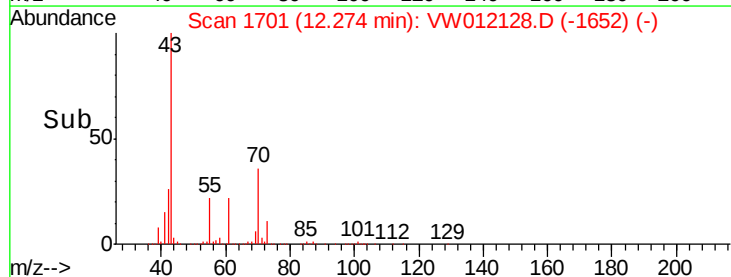
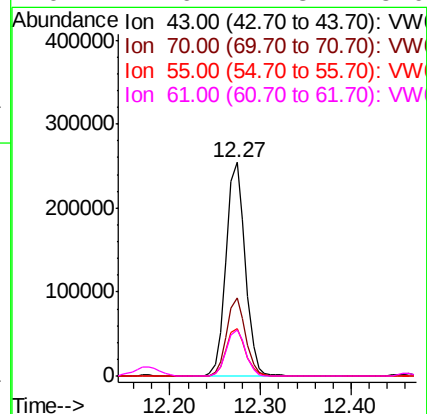
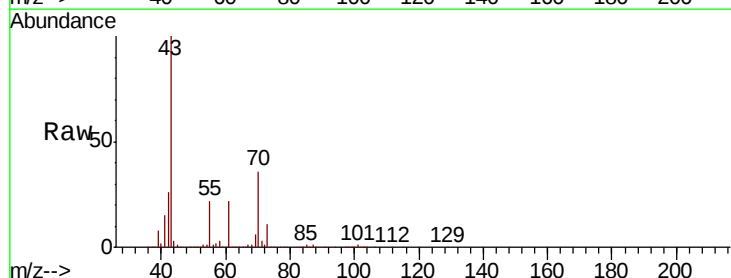
Ion Ratio Lower Upper

43 100

70 35.9 28.6 43.0

55 22.4 17.8 26.6

61 21.6 17.3 25.9





#75

1,1,2,2-Tetrachloroethane

Concen: 94.950 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012128.D

Acq: 23 Aug 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

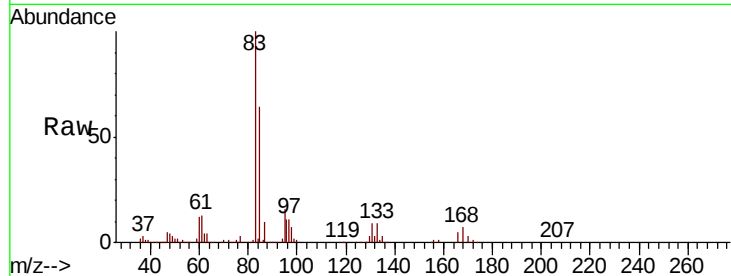
Tgt Ion: 83 Resp: 214017

Ion Ratio Lower Upper

83 100

131 9.9 4.9 14.7

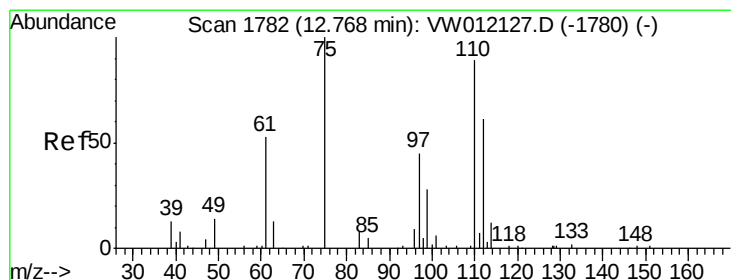
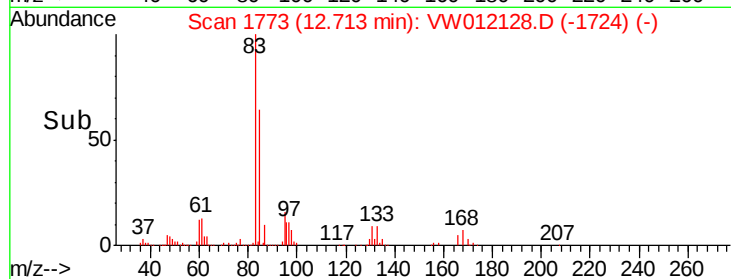
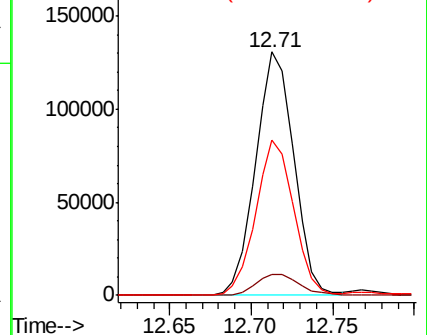
85 63.3 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 184.072 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW012128.D

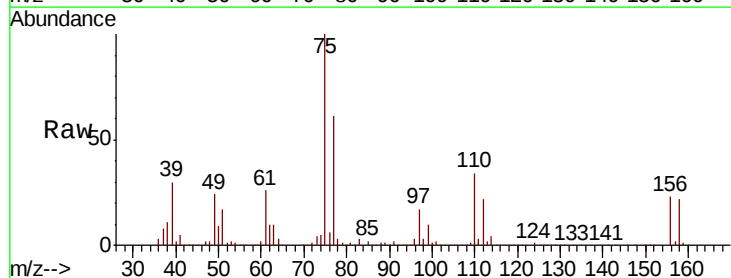
Acq: 23 Aug 2019 11:29

Tgt Ion: 75 Resp: 291018

Ion Ratio Lower Upper

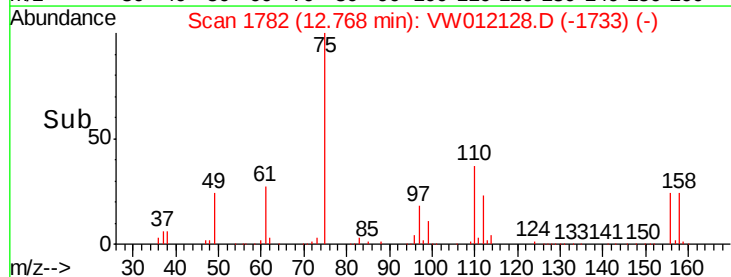
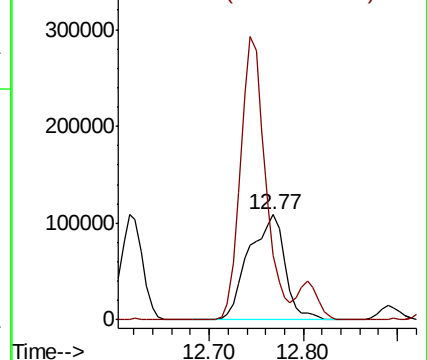
75 100

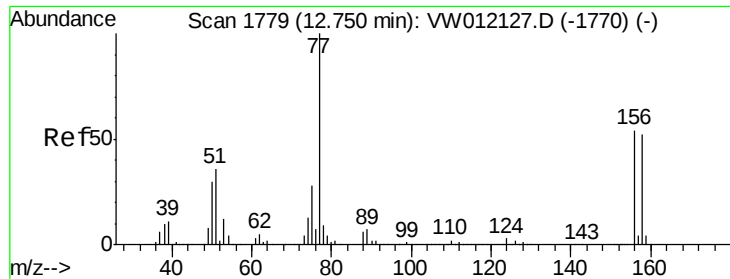
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 95.286 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW012128.D

Acq: 23 Aug 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

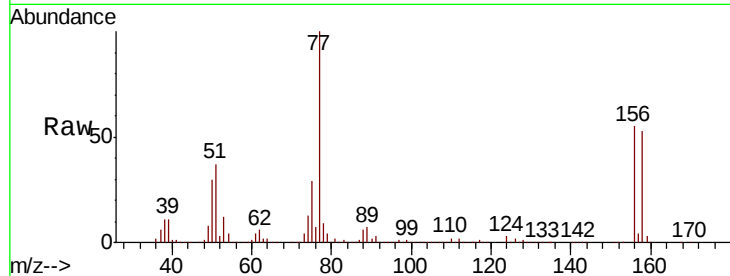
Tgt Ion: 156 Resp: 253446

Ion Ratio Lower Upper

156 100

77 212.9 107.3 321.8

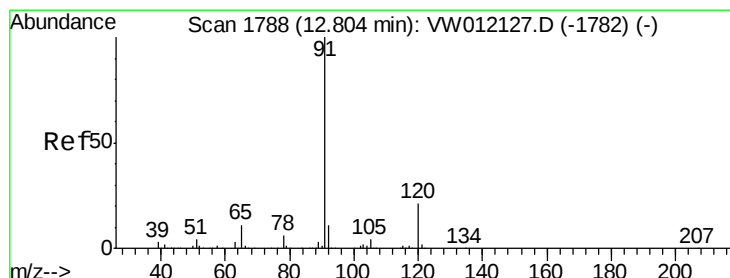
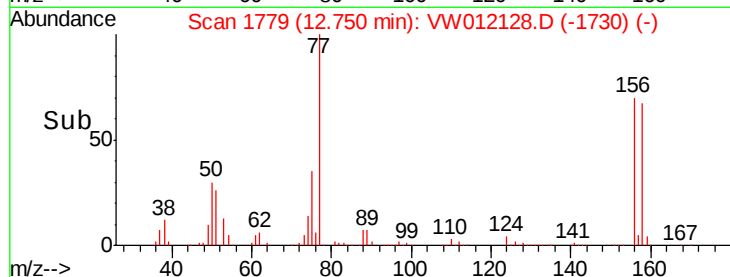
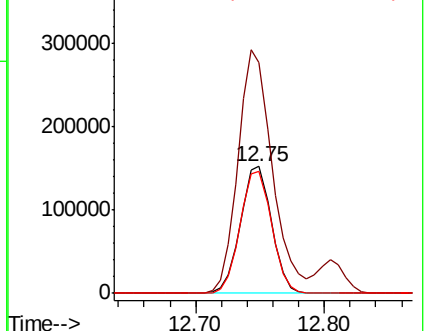
158 97.6 49.0 147.0



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: 95.682 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012128.D

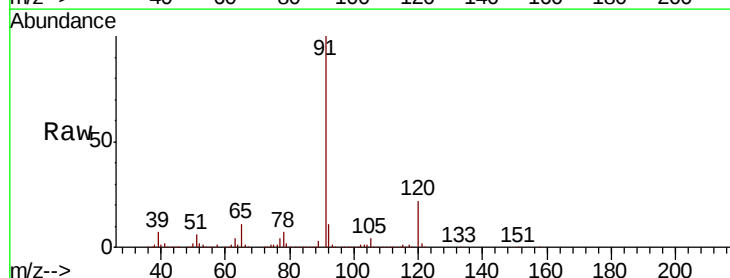
Acq: 23 Aug 2019 11:29

Tgt Ion: 91 Resp: 1436135

Ion Ratio Lower Upper

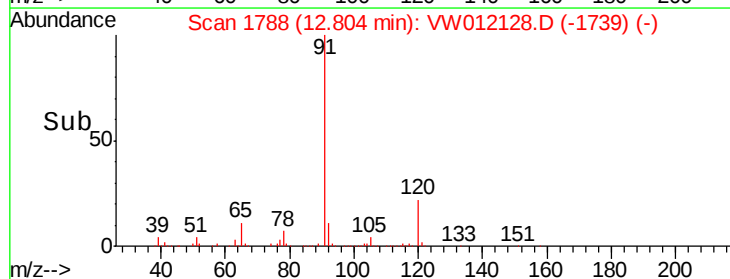
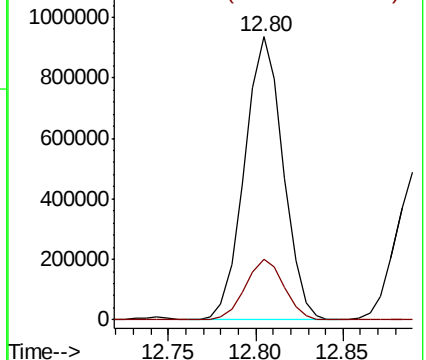
91 100

120 21.5 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 93.910 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012128.D

Acq: 23 Aug 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

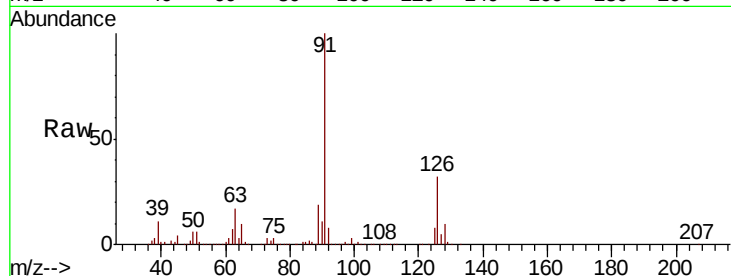
VSTDIC100

Tgt Ion: 91 Resp: 800260

Ion Ratio Lower Upper

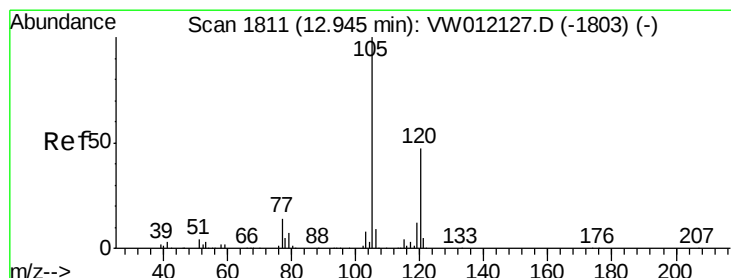
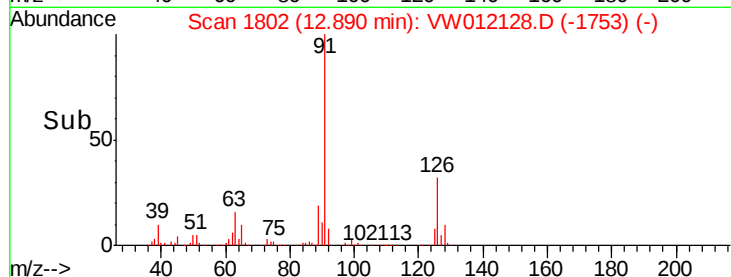
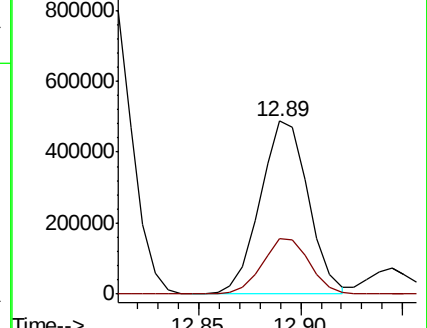
91 100

126 31.6 15.7 47.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 95.435 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012128.D

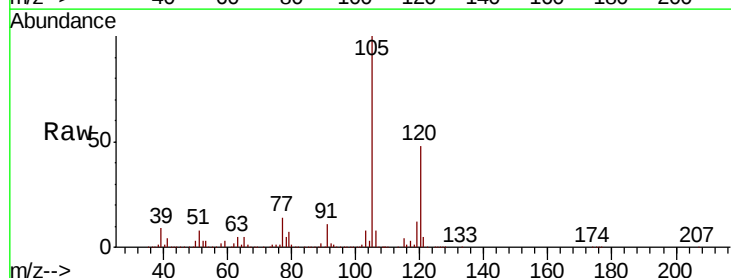
Acq: 23 Aug 2019 11:29

Tgt Ion: 105 Resp: 980459

Ion Ratio Lower Upper

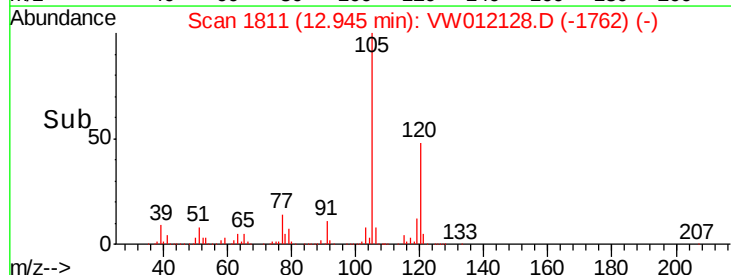
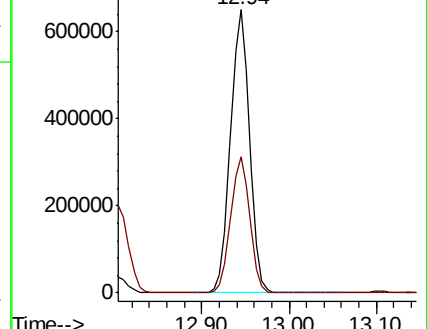
105 100

120 48.2 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 104.956 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW012128.D

Acq: 23 Aug 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

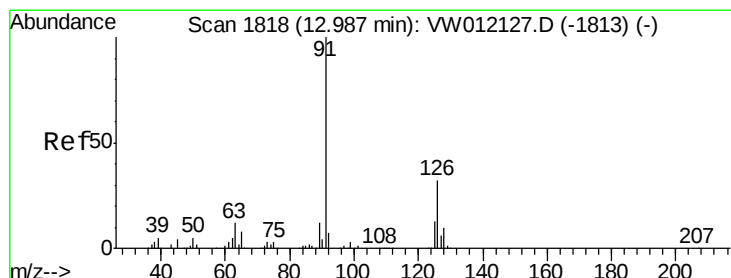
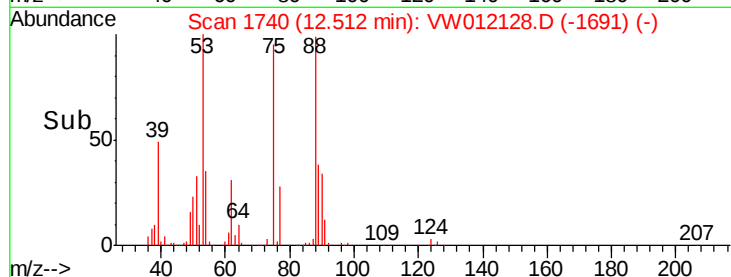
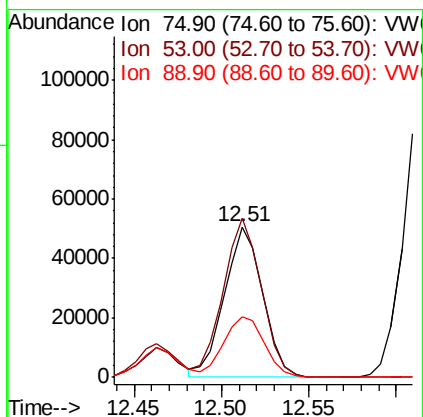
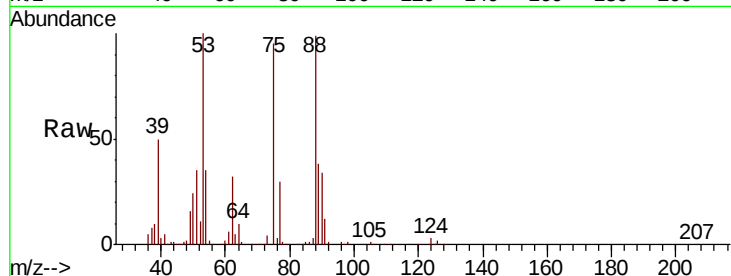
Tgt Ion: 75 Resp: 76497

Ion Ratio Lower Upper

75 100

53 106.8 89.4 134.0

89 42.8 34.5 51.7



#82

4-Chlorotoluene

Concen: 93.247 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW012128.D

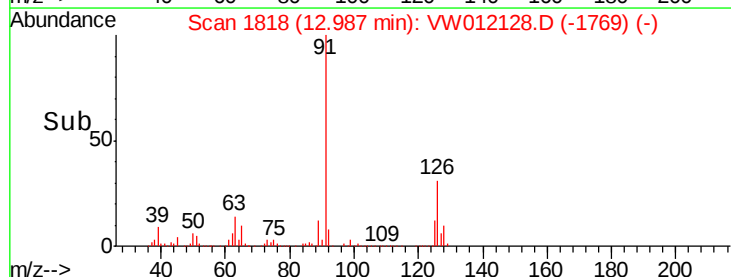
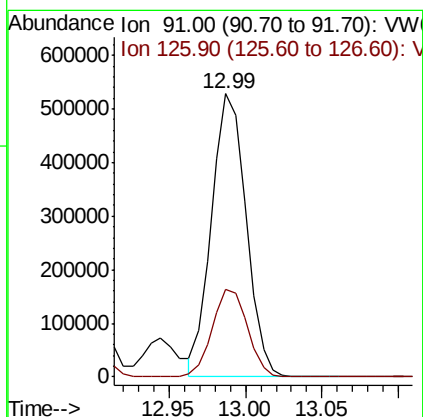
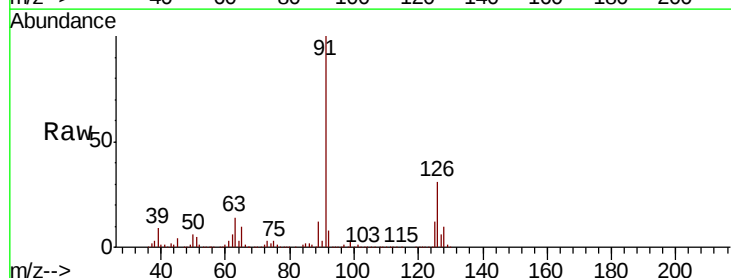
Acq: 23 Aug 2019 11:29

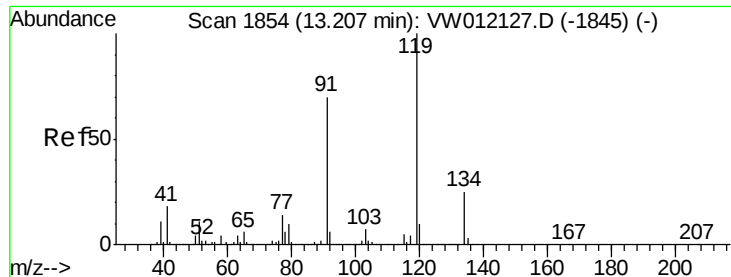
Tgt Ion: 91 Resp: 832011

Ion Ratio Lower Upper

91 100

126 31.6 15.6 46.8

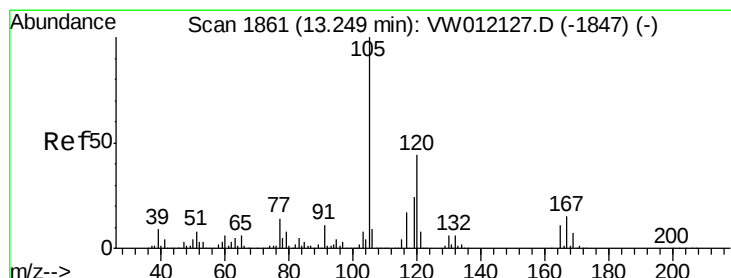
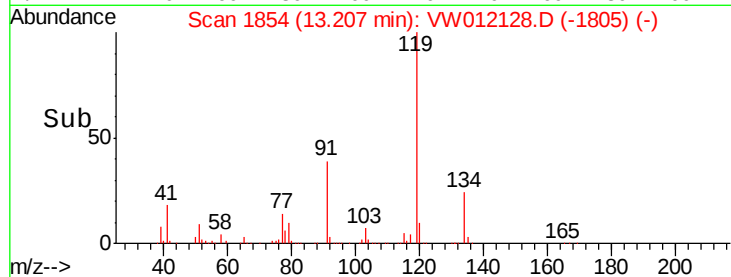
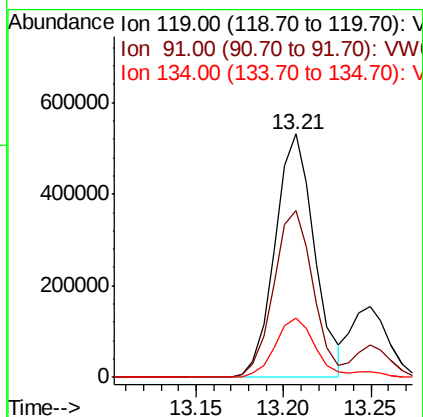
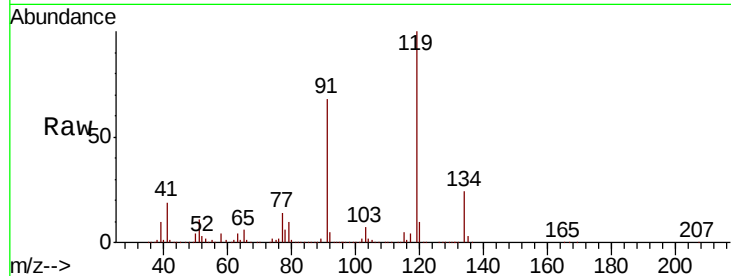




#83
 tert-Butylbenzene
 Concen: 96.025 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW012128.D
 Acq: 23 Aug 2019 11:29

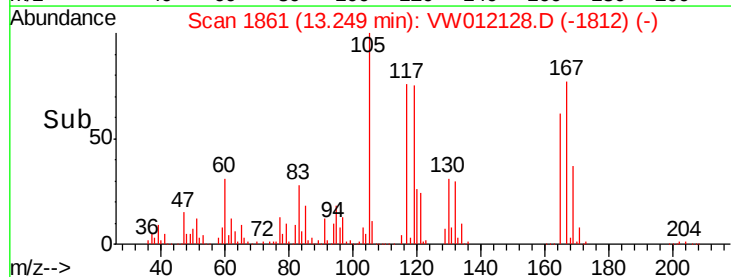
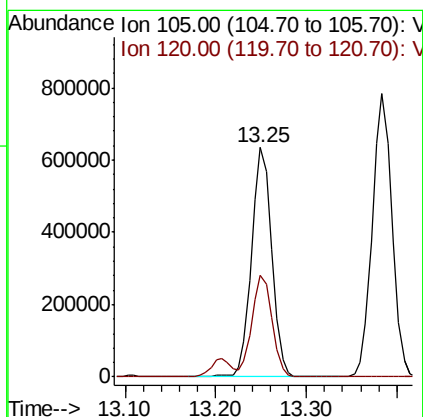
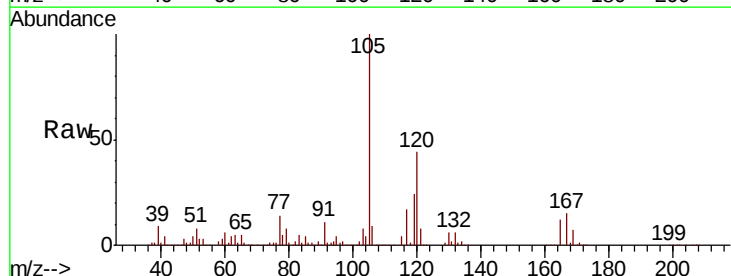
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

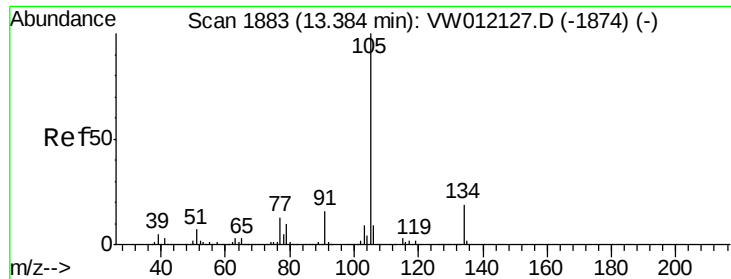
Tgt Ion:119 Resp: 835663
 Ion Ratio Lower Upper
 119 100
 91 68.6 34.8 104.3
 134 26.4 13.3 39.8



#84
 1,2,4-Trimethylbenzene
 Concen: 95.023 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW012128.D
 Acq: 23 Aug 2019 11:29

Tgt Ion:105 Resp: 980637
 Ion Ratio Lower Upper
 105 100
 120 44.0 21.9 65.7

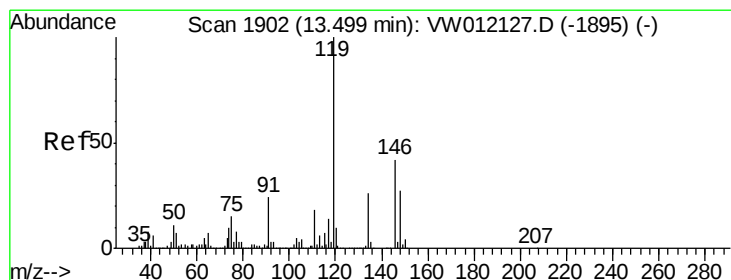
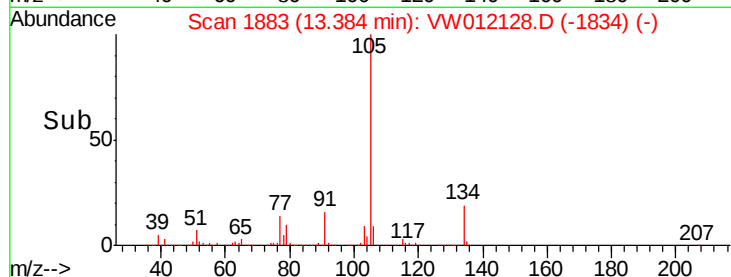
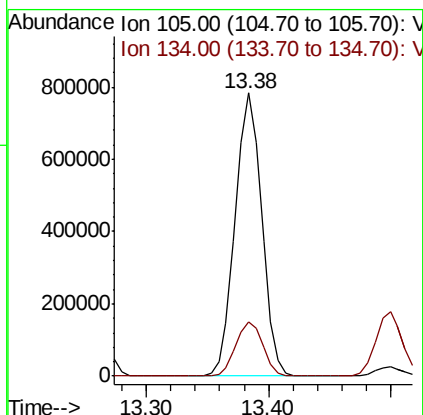
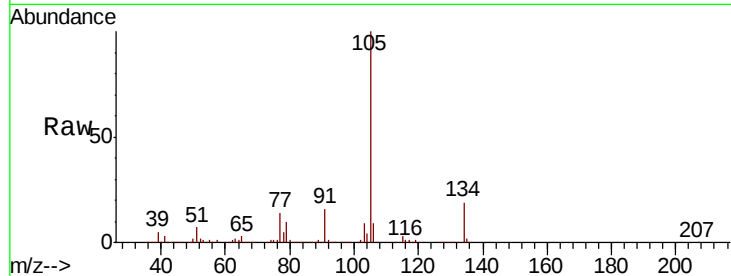




#85
 sec-Butylbenzene
 Concen: 94.461 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW012128.D
 Acq: 23 Aug 2019 11:29

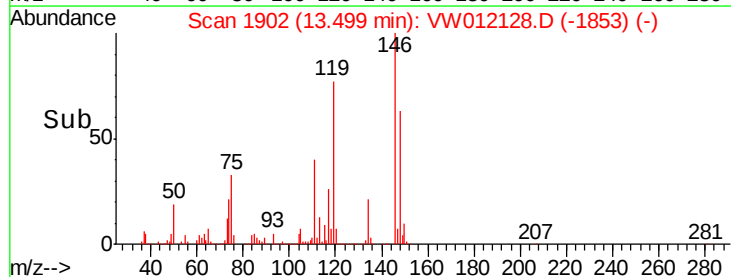
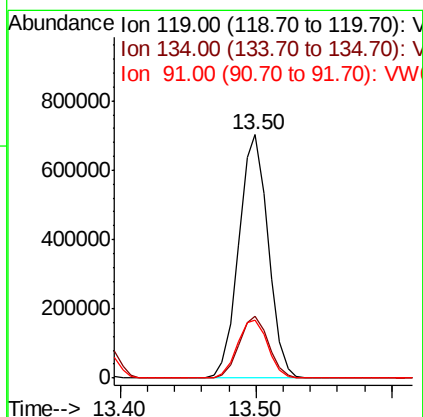
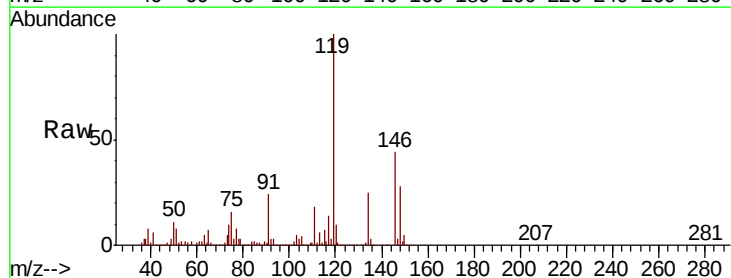
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

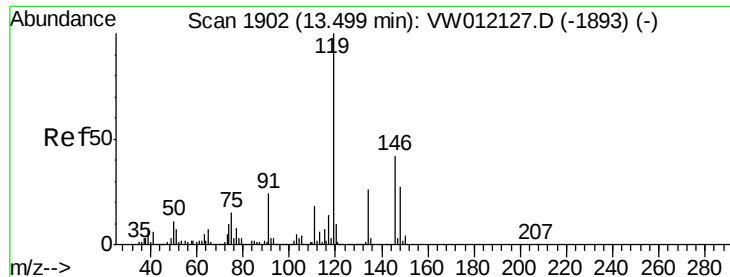
Tgt Ion:105 Resp: 1177733
 Ion Ratio Lower Upper
 105 100
 134 19.6 9.8 29.4



#86
 p-Isopropyltoluene
 Concen: 94.773 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012128.D
 Acq: 23 Aug 2019 11:29

Tgt Ion:119 Resp: 1055262
 Ion Ratio Lower Upper
 119 100
 134 25.5 12.8 38.3
 91 24.7 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 93.591 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012128.D

Acq: 23 Aug 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

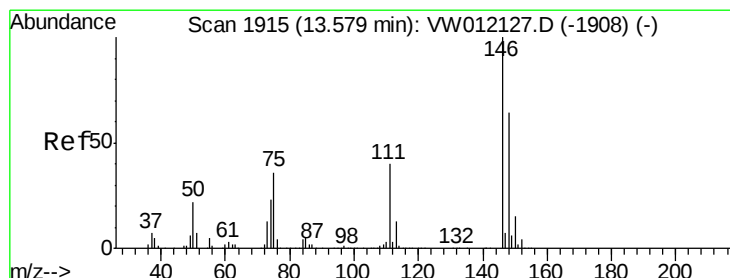
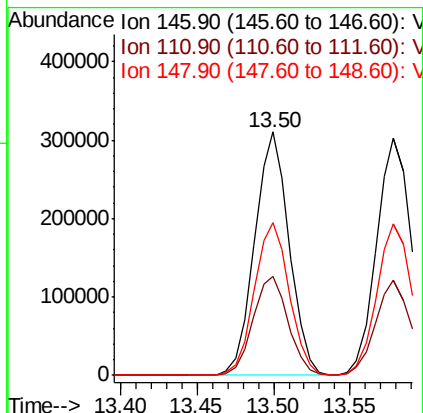
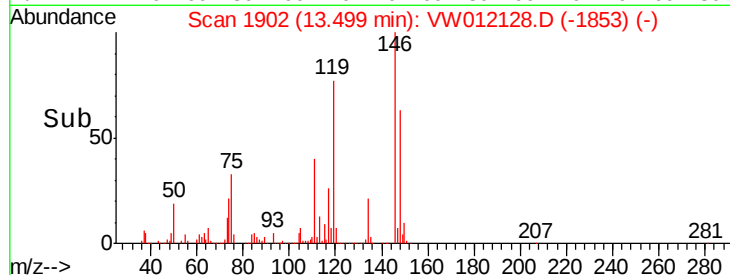
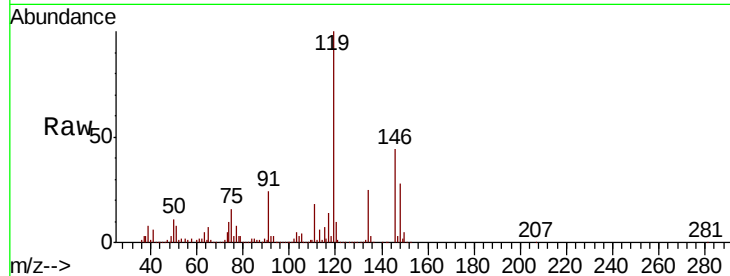
Tgt Ion:146 Resp: 486914

Ion Ratio Lower Upper

146 100

111 41.4 20.9 62.7

148 63.5 32.2 96.6



#88

1,4-Dichlorobenzene

Concen: 92.739 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW012128.D

Acq: 23 Aug 2019 11:29

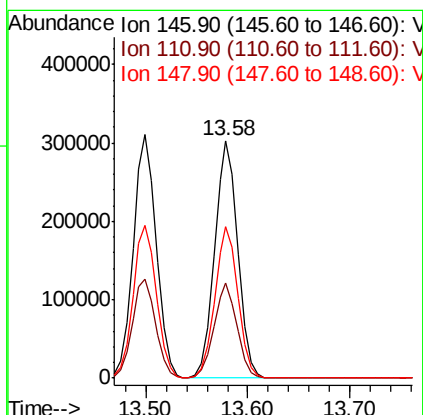
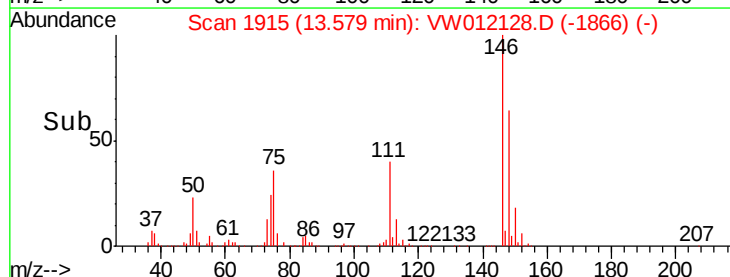
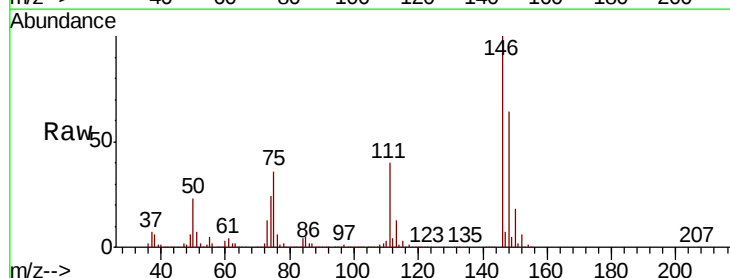
Tgt Ion:146 Resp: 479070

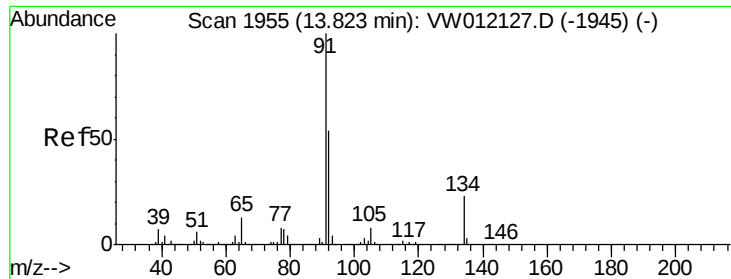
Ion Ratio Lower Upper

146 100

111 40.2 20.0 60.0

148 63.7 32.1 96.3





#89

n-Butylbenzene

Concen: 95.672 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW012128.D

Acq: 23 Aug 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

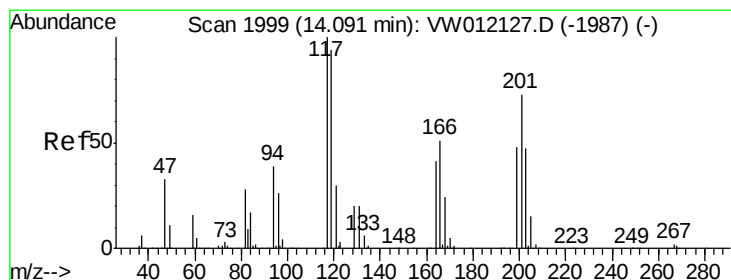
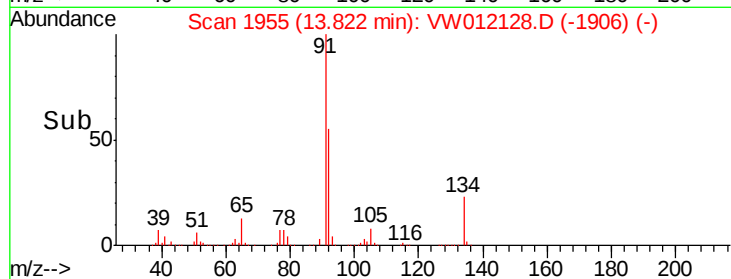
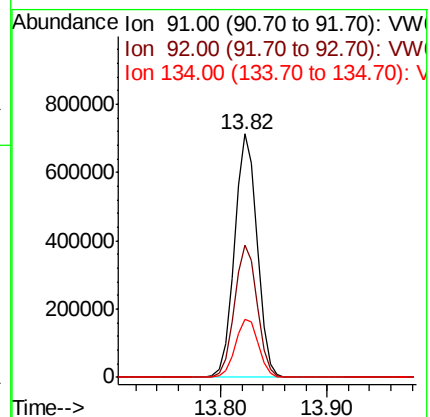
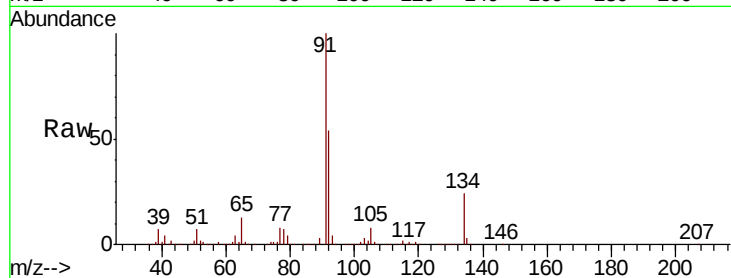
Tgt Ion: 91 Resp: 1059345

Ion Ratio Lower Upper

91 100

92 54.6 27.1 81.2

134 24.5 12.2 36.4



#90

Hexachloroethane

Concen: 97.907 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW012128.D

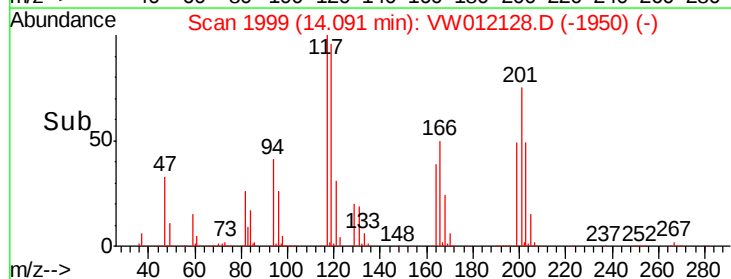
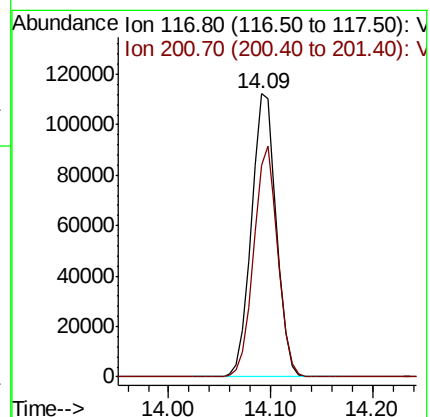
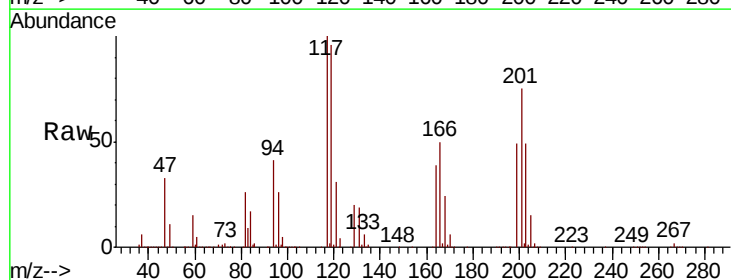
Acq: 23 Aug 2019 11:29

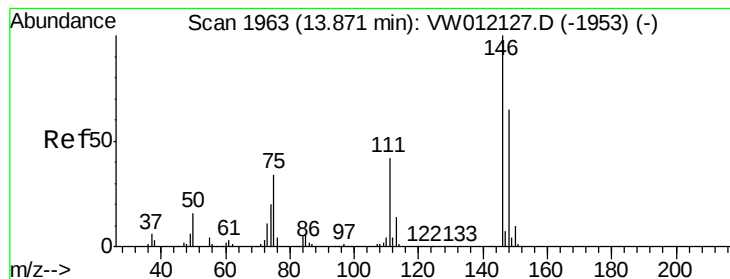
Tgt Ion: 117 Resp: 191264

Ion Ratio Lower Upper

117 100

201 78.6 38.6 115.7





#91

1,2-Dichlorobenzene

Concen: 94.295 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW012128.D

Acq: 23 Aug 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

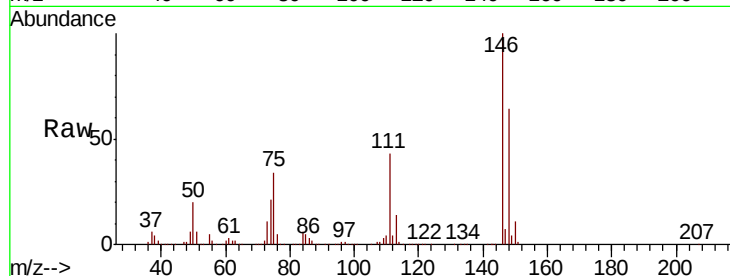
Tgt Ion:146 Resp: 430366

Ion Ratio Lower Upper

146 100

111 42.7 21.2 63.6

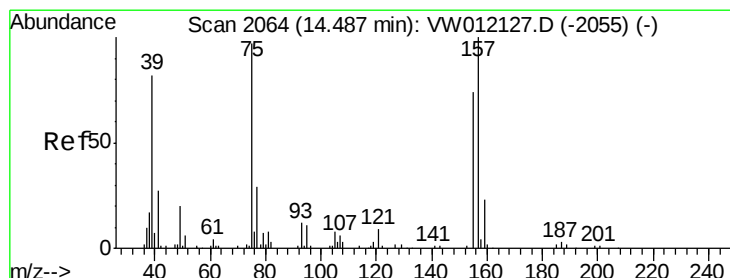
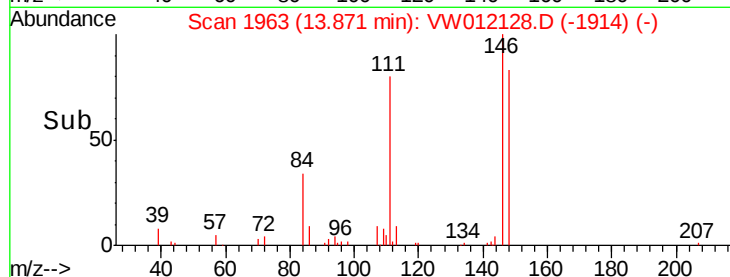
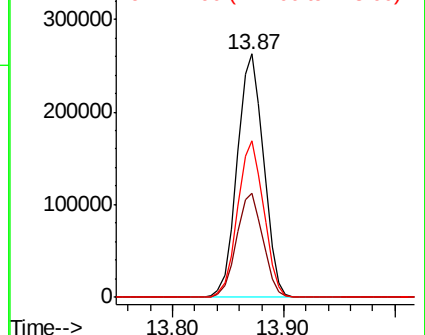
148 63.6 32.5 97.4



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: 95.903 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW012128.D

Acq: 23 Aug 2019 11:29

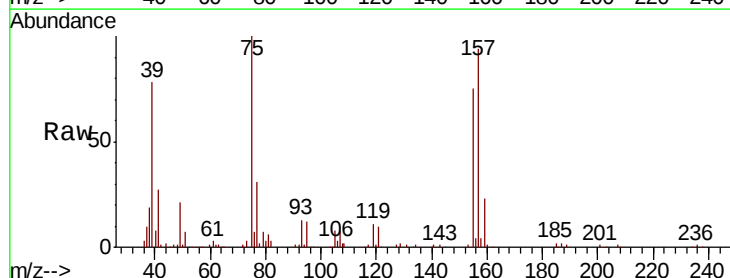
Tgt Ion: 75 Resp: 36442

Ion Ratio Lower Upper

75 100

155 74.8 37.5 112.3

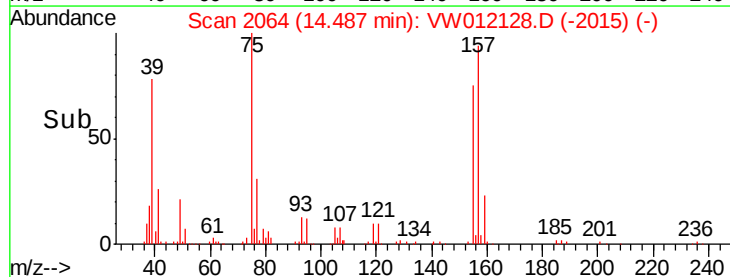
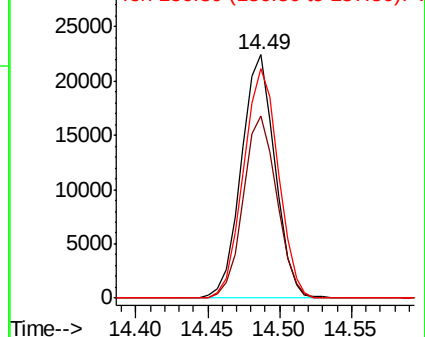
157 97.2 50.5 151.5

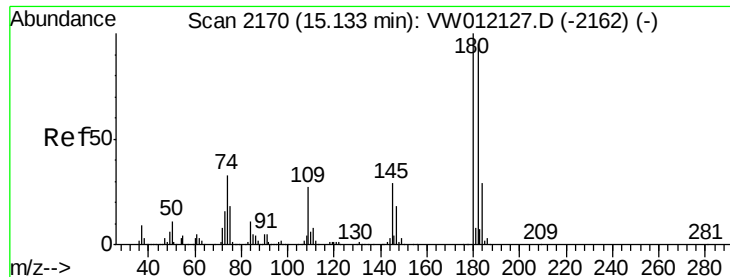


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

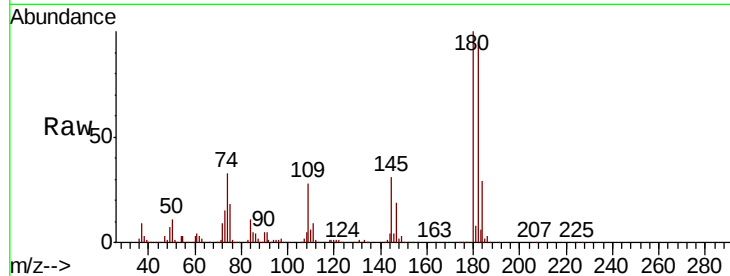




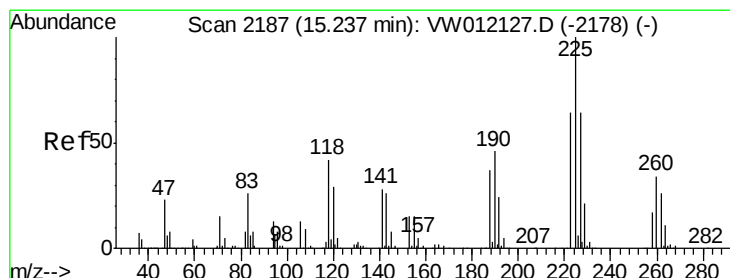
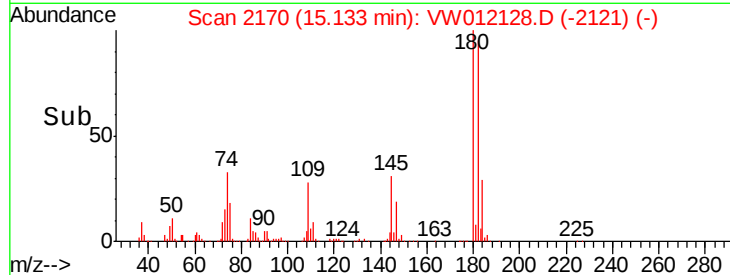
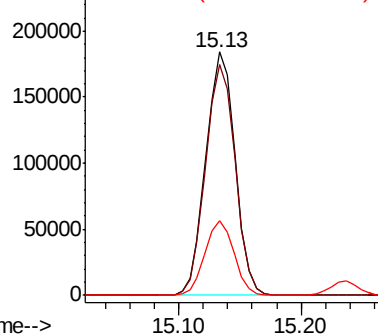
#93
 1,2,4-Trichlorobenzene
 Concen: 96.592 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012128.D
 Acq: 23 Aug 2019 11:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tgt Ion:	180	Resp:	304653
Ion Ratio	Lower	Upper	
180	100		
182	96.1	47.8	143.4
145	30.6	15.0	45.1

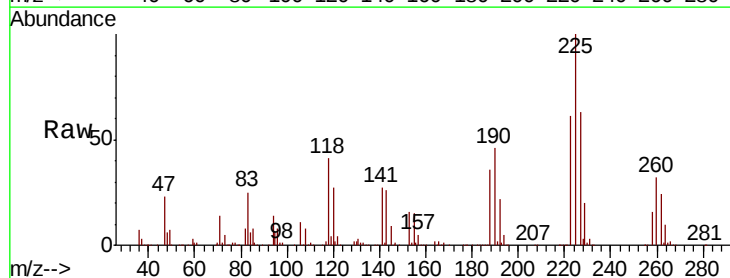


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

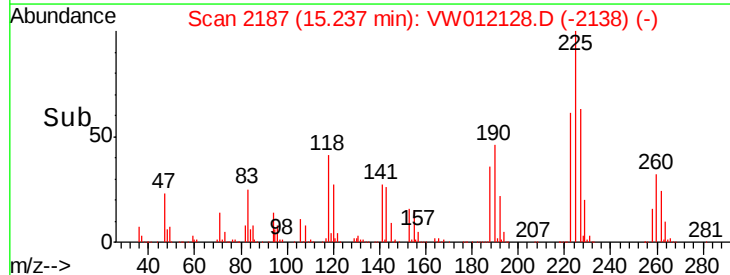
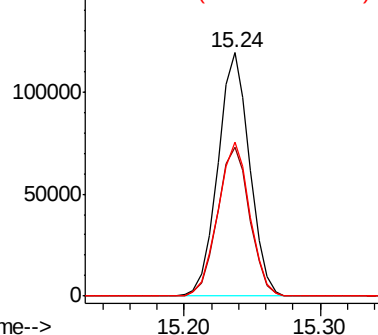


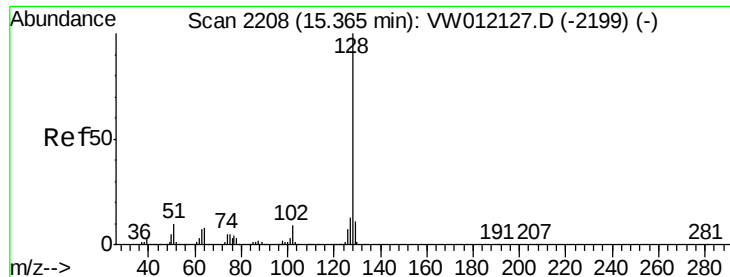
#94
 Hexachlorobutadiene
 Concen: 93.083 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012128.D
 Acq: 23 Aug 2019 11:29

Tgt Ion:	225	Resp:	193853
Ion Ratio	Lower	Upper	
225	100		
223	62.4	32.3	96.8
227	63.8	32.9	98.6



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

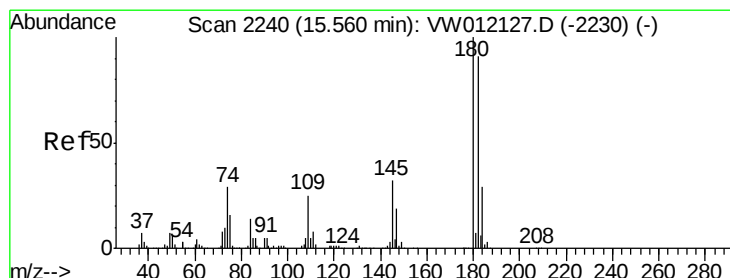
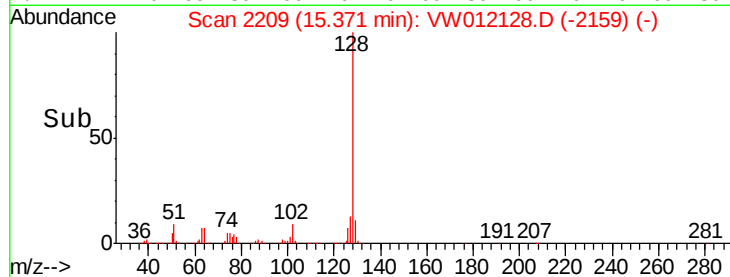
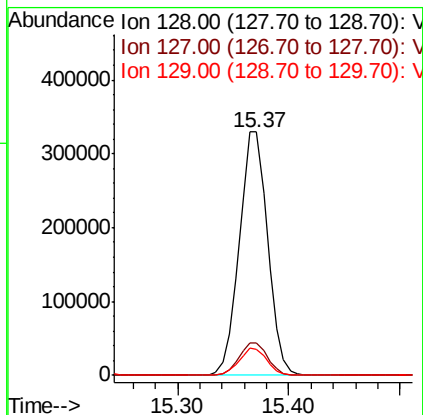
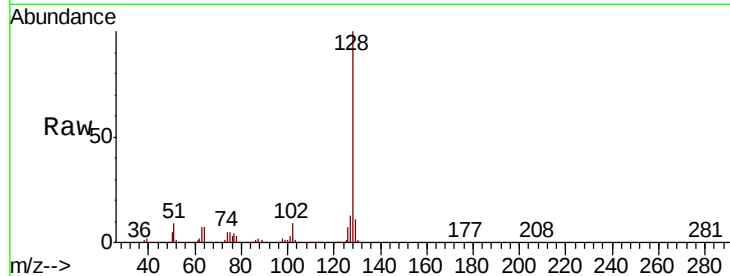




#95
Naphthalene
Concen: 105.631 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW012128.D
Acq: 23 Aug 2019 11:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.7	16.1
129	11.0	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 98.862 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW012128.D
Acq: 23 Aug 2019 11:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.1	141.3
145	32.0	16.2	48.5

