

Data File : VW014997.D
Acq On : 14 Feb 2020 15:55
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD025310

Quant Time: Feb 15 02:04:16 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM021320SMA.M
Quant Title : SFAM01.0
QLast Update : Sat Feb 15 01:59:17 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	694637	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	637837	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.56	152	289782	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	337408	24.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.48%
7) Chloroethane-d5	2.89	69	263547	24.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.88%
11) 1,1-Dichloroethene-d2	4.03	63	618576	24.65	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	98.60%
21) 2-Butanone-d5	7.07	46	182936	46.92	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.84%
24) Chloroform-d	7.65	84	541469	24.27	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.08%
26) 1,2-Dichloroethane-d4	8.30	65	315920	24.14	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.56%
32) Benzene-d6	8.27	84	1069705	24.89	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.56%
36) 1,2-Dichloropropane-d6	9.27	67	356457	24.11	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.44%
41) Toluene-d8	10.32	98	936643	25.83	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	103.32%
43) trans-1,3-Dichloropropene-	10.57	79	138070	24.59	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.36%
47) 2-Hexanone-d5	10.92	63	132677	50.46	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.92%
56) 1,1,2,2-Tetrachloroethane-	12.69	84	261539	23.71	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.84%
66) 1,2-Dichlorobenzene-d4	13.85	152	260252	23.86	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.44%

Target Compounds

						Qvalue
3) Chloromethane	2.21	50	304922	23.496	ug/L	99
5) Vinyl chloride	2.37	62	430183	25.751	ug/L	98
6) Bromomethane	2.78	94	191841	25.317	ug/L	100
8) Chloroethane	2.93	64	236462	26.458	ug/L	97
9) Trichlorofluoromethane	3.26	101	177315	26.876	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	4.06	101	285434	26.443	ug/L	99
12) 1,1-Dichloroethene	4.04	96	271614	26.238	ug/L	99
13) Acetone	4.12	43	213064	52.349	ug/L	98
14) Carbon disulfide	4.39	76	964237	25.766	ug/L	99
15) Methyl Acetate	4.67	43	186390	26.392	ug/L	99
16) Methylene chloride	4.92	84	323615	25.213	ug/L	95
17) trans-1,2-Dichloroethene	5.42	96	282344	27.030	ug/L	97
18) Methyl tert-butyl Ether	5.42	73	364846	28.299	ug/L	99
19) 1,1-Dichloroethane	6.21	63	620326	26.587	ug/L	98
20) cis-1,2-Dichloroethene	7.17	96	293123	27.228	ug/L	99
22) 2-Butanone	7.17	43	265108	54.183	ug/L	98
23) Bromochloromethane	7.51	128	115697	26.495	ug/L	98

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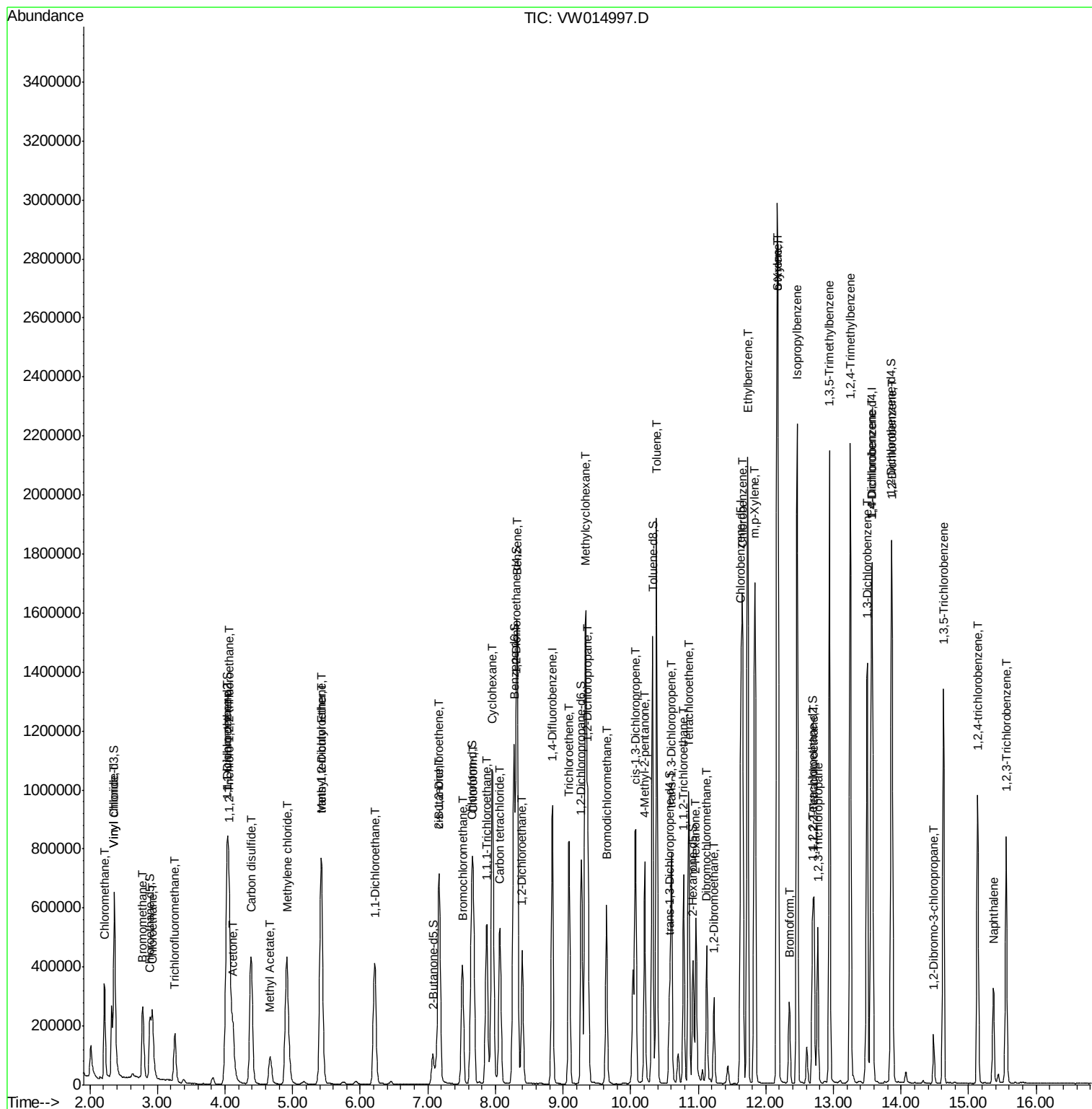
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	7.67	83	551288	26.517	ug/L	97
27) 1,2-Dichloroethane	8.40	62	405333	26.530	ug/L	99
29) Cyclohexane	7.96	56	607169	29.194	ug/L	100
30) 1,1,1-Trichloroethane	7.87	97	422413	27.226	ug/L	99
31) Carbon tetrachloride	8.07	117	381707	27.294	ug/L	100
33) Benzene	8.32	78	1291282	27.574	ug/L	100
34) Trichloroethene	9.09	95	298804	26.641	ug/L	97
35) Methylcyclohexane	9.34	83	561239	29.013	ug/L	99
37) 1,2-Dichloropropane	9.37	63	357801	27.356	ug/L	100
38) Bromodichloromethane	9.64	83	397295	26.975	ug/L	99
39) cis-1,3-Dichloropropene	10.07	75	486541	27.804	ug/L	100
40) 4-Methyl-2-pentanone	10.21	43	518529	55.685	ug/L	99
42) Toluene	10.38	91	1296474	28.651	ug/L	98
44) trans-1,3-Dichloropropene	10.60	75	403584	27.801	ug/L	98
45) 1,1,2-Trichloroethane	10.78	97	212678	26.805	ug/L	98
46) Tetrachloroethene	10.86	164	193774	26.605	ug/L	98
48) 2-Hexanone	10.96	43	395580	58.305	ug/L	98
49) Dibromochloromethane	11.13	129	221664	26.813	ug/L	95
50) 1,2-Dibromoethane	11.23	107	190919	26.692	ug/L	98
51) Chlorobenzene	11.66	112	722318	27.061	ug/L	100
52) Ethylbenzene	11.73	91	1421372	28.838	ug/L	100
53) m,p-Xylene	11.83	106	502699	29.067	ug/L	98
54) o-Xylene	12.16	106	471888	29.057	ug/L	92
55) Styrene	12.18	104	826569	29.524	ug/L	100
57) 1,1,2,2-Tetrachloroethane	12.71	83	283138	26.670	ug/L	98
59) Bromoform	12.35	173	111406	25.144	ug/L	98
60) Isopropylbenzene	12.46	105	1295526	28.559	ug/L	100
61) 1,2,3-Trichloropropane	12.77	75	218806	25.765	ug/L	99
62) 1,3,5-Trimethylbenzene	12.94	105	1070945	29.609	ug/L	99
63) 1,2,4-Trimethylbenzene	13.25	105	1053096	29.761	ug/L	100
64) 1,3-Dichlorobenzene	13.50	146	504144	26.958	ug/L	97
65) 1,4-Dichlorobenzene	13.58	146	505807	26.240	ug/L	97
67) 1,2-Dichlorobenzene	13.87	146	459131	26.534	ug/L	97
68) 1,2-Dibromo-3-chloropropan	14.48	75	45020	25.350	ug/L	98
69) 1,3,5-Trichlorobenzene	14.63	180	342743	27.350	ug/L	99
70) 1,2,4-trichlorobenzene	15.13	180	262936	27.990	ug/L	100
71) Naphthalene	15.36	128	251414	26.061	ug/L	98
72) 1,2,3-Trichlorobenzene	15.55	180	245543	28.207	ug/L	99

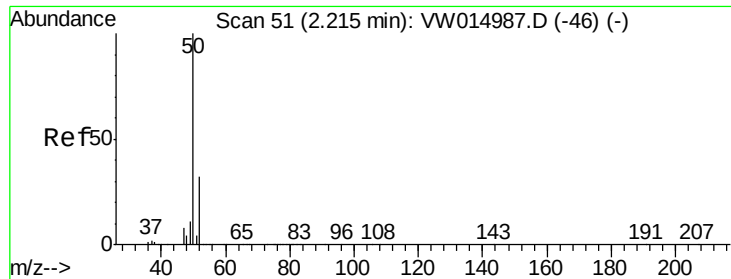
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#3

Chloromethane

Concen: 23.496 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW014997.D

Acq: 14 Feb 2020 15:55

Instrument :

MSVOA_W

ClientSampleId :

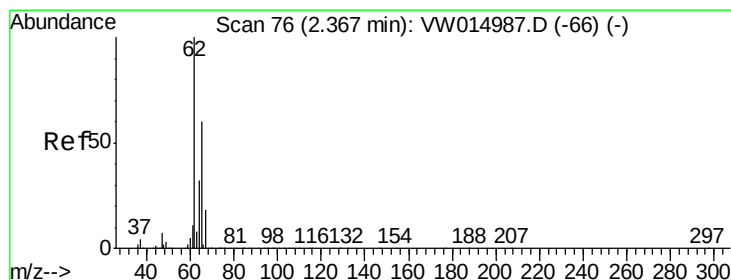
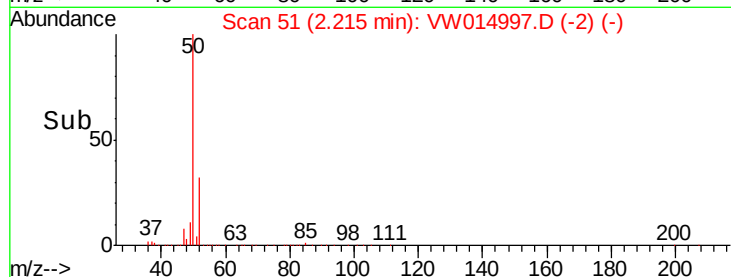
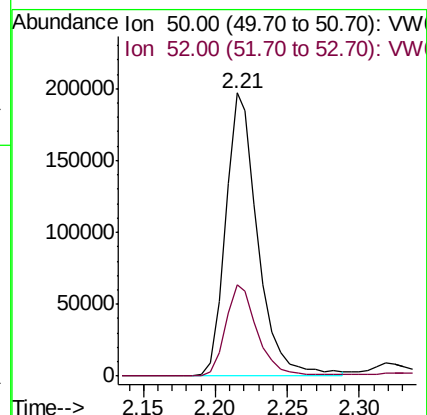
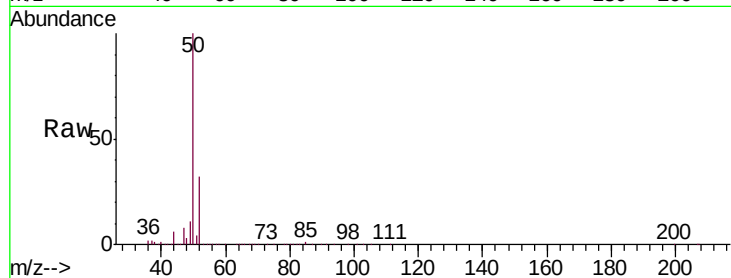
VSTD025310

Tgt Ion: 50 Resp: 304922

Ion Ratio Lower Upper

50 100

52 32.2 22.3 41.3



#5

Vinyl chloride

Concen: 25.751 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW014997.D

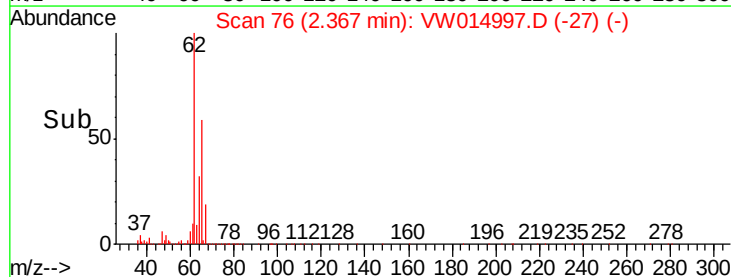
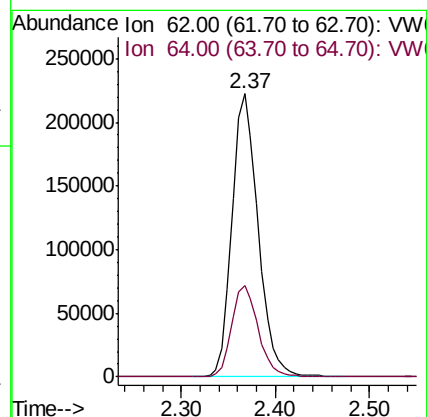
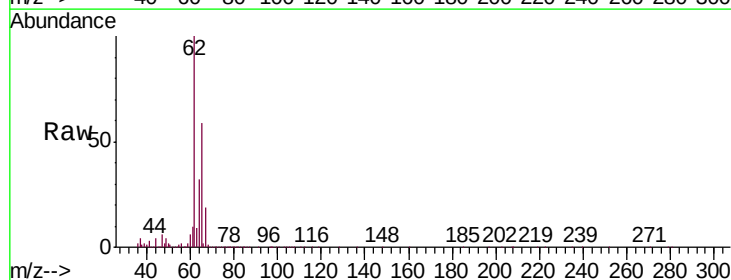
Acq: 14 Feb 2020 15:55

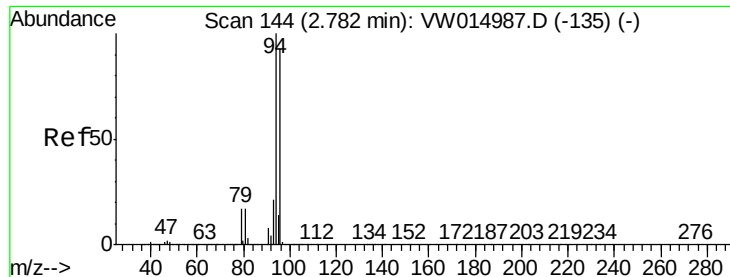
Tgt Ion: 62 Resp: 430183

Ion Ratio Lower Upper

62 100

64 32.5 23.6 43.8





#6

Bromomethane

Concen: 25.317 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW014997.D

Acq: 14 Feb 2020 15:55

Instrument :

MSVOA_W

ClientSampleId :

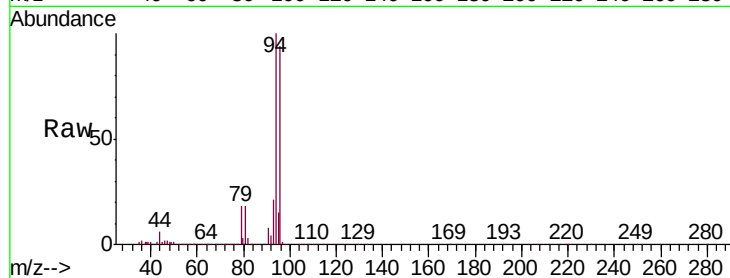
VSTD025310

Tgt Ion: 94 Resp: 191841

Ion Ratio Lower Upper

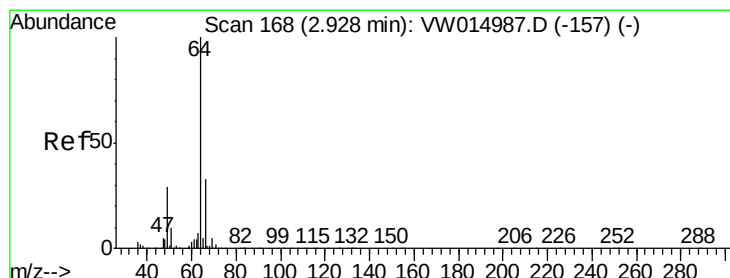
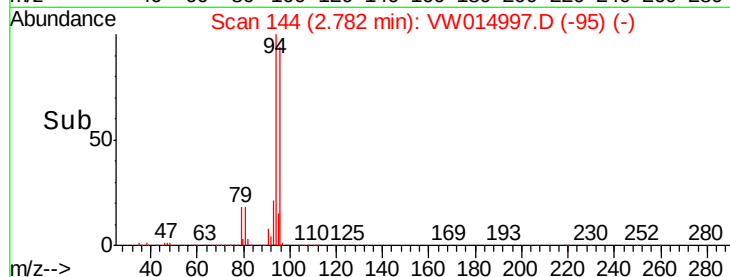
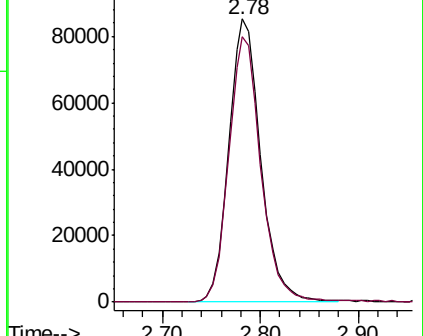
94 100

96 93.9 65.8 122.2



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW



#8

Chloroethane

Concen: 26.458 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW014997.D

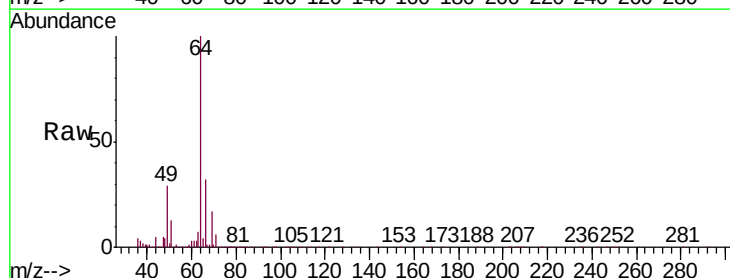
Acq: 14 Feb 2020 15:55

Tgt Ion: 64 Resp: 236462

Ion Ratio Lower Upper

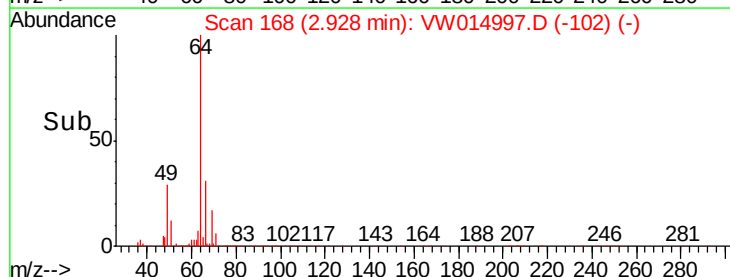
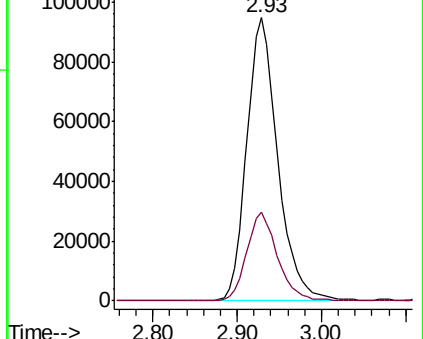
64 100

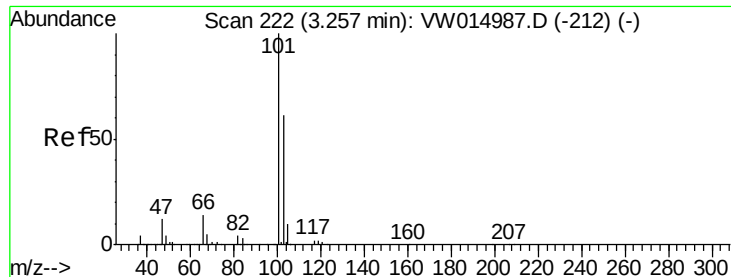
66 31.6 23.1 42.9



Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW



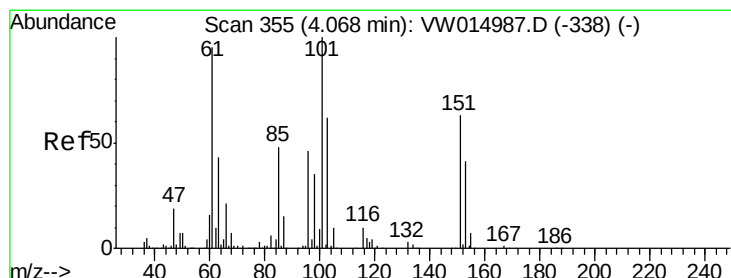
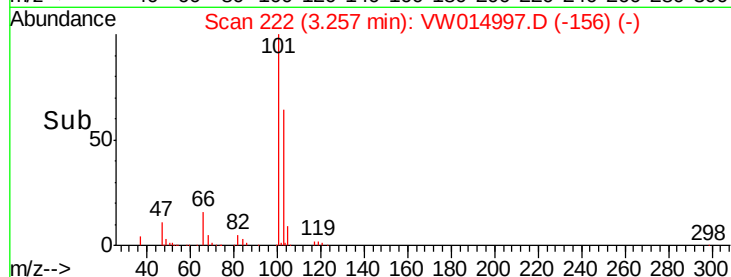
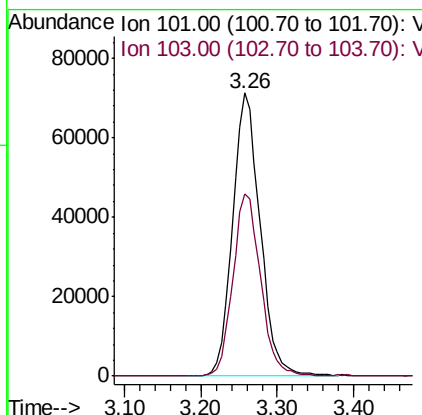
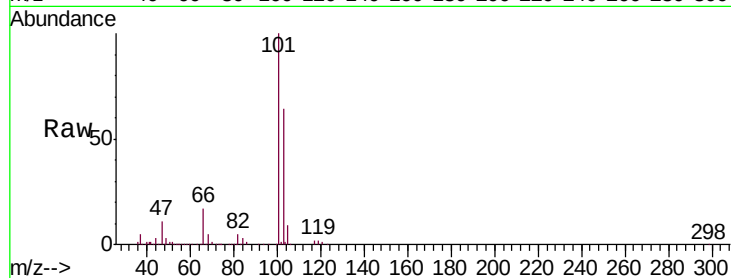


#9

Trichlorofluoromethane
 Concen: 26.876 ug/L
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW014997.D
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 ClientSampleId :
 VSTD025310

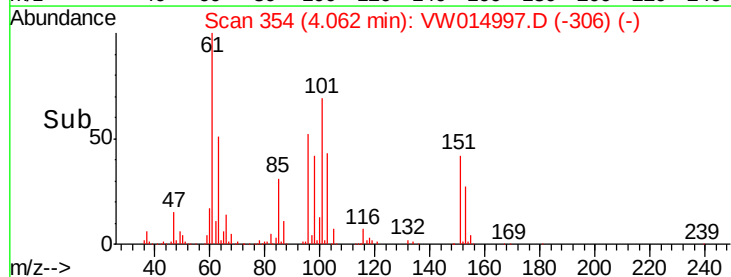
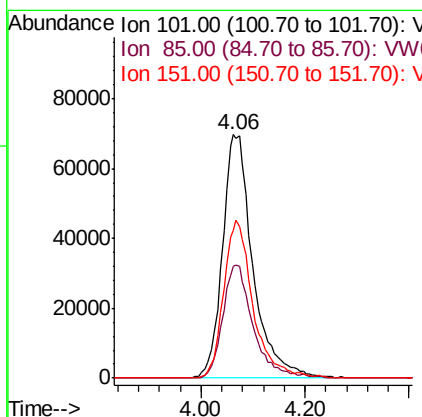
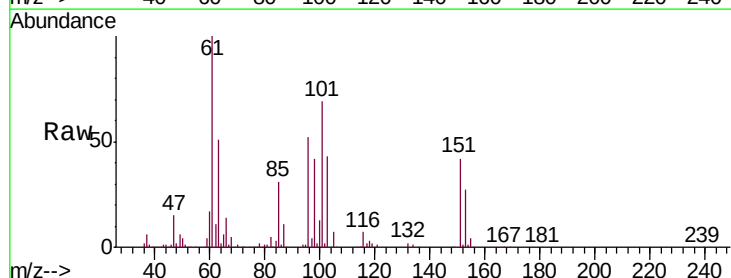
Tgt Ion:101 Resp: 177315
 Ion Ratio Lower Upper
 101 100
 103 64.4 51.5 77.3

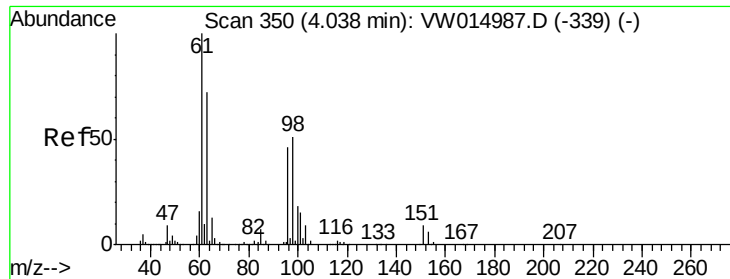


#10

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 26.443 ug/L
 RT: 4.06 min Scan# 354
 Delta R.T. -0.01 min
 Lab File: VW014997.D
 Acq: 14 Feb 2020 15:55

Tgt Ion:101 Resp: 285434
 Ion Ratio Lower Upper
 101 100
 85 45.6 36.5 54.7
 151 61.5 50.2 75.4

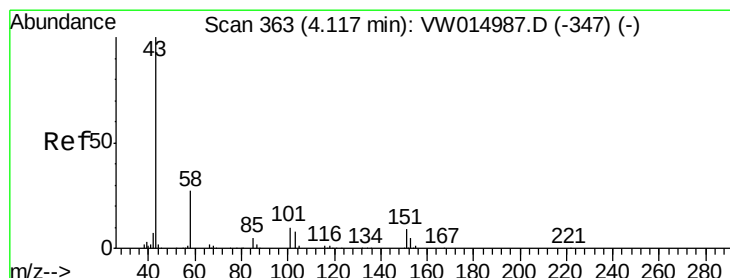
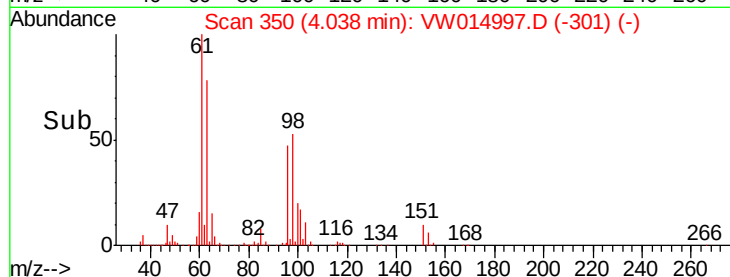
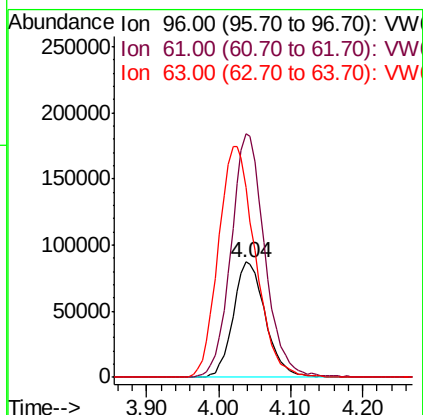
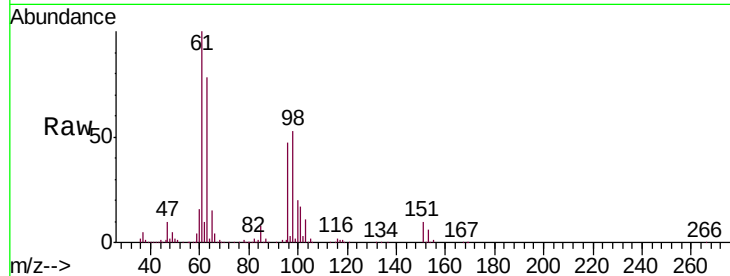




#12
 1,1-Dichloroethene
 Concen: 26.238 ug/L
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW014997.D
 Acq: 14 Feb 2020 15:55

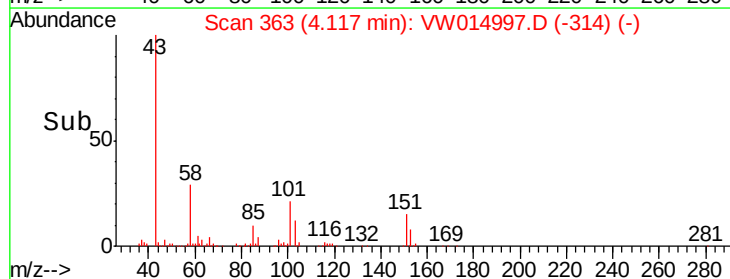
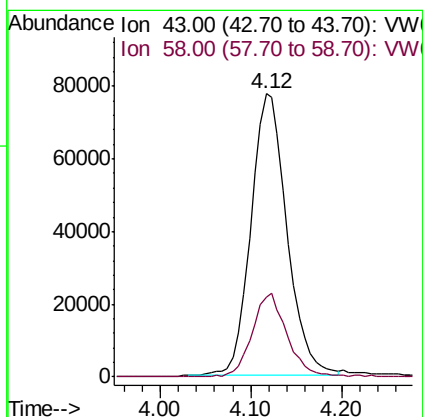
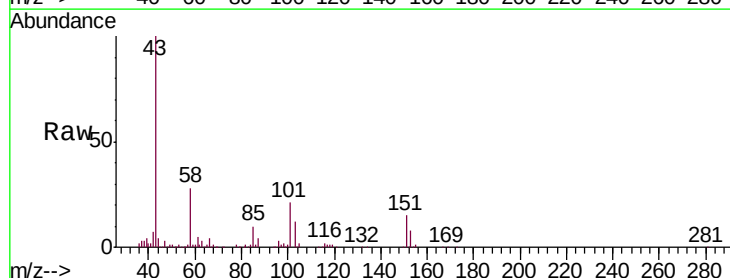
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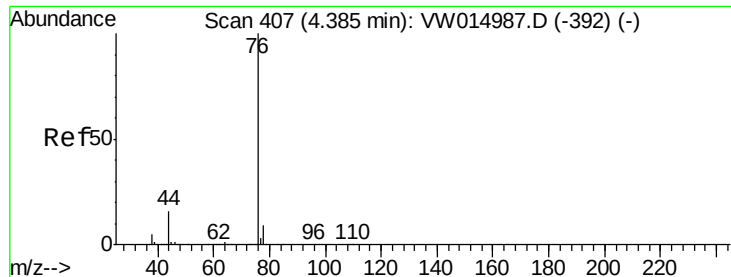
Tgt Ion: 96 Resp: 271614
 Ion Ratio Lower Upper
 96 100
 61 211.0 147.0 273.0
 63 165.1 113.4 210.6



#13
 Acetone
 Concen: 52.349 ug/L
 RT: 4.12 min Scan# 363
 Delta R.T. -0.00 min
 Lab File: VW014997.D
 Acq: 14 Feb 2020 15:55

Tgt Ion: 43 Resp: 213064
 Ion Ratio Lower Upper
 43 100
 58 28.3 0.0 54.6





#14

Carbon disulfide

Concen: 25.766 ug/L

RT: 4.39 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW014997.D

Acq: 14 Feb 2020 15:55

Instrument :

MSVOA_W

ClientSampleId :

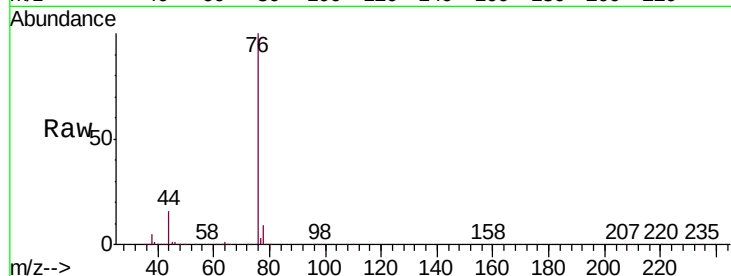
VSTD025310

Tgt Ion: 76 Resp: 964237

Ion Ratio Lower Upper

76 100

78 8.8 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

4.39

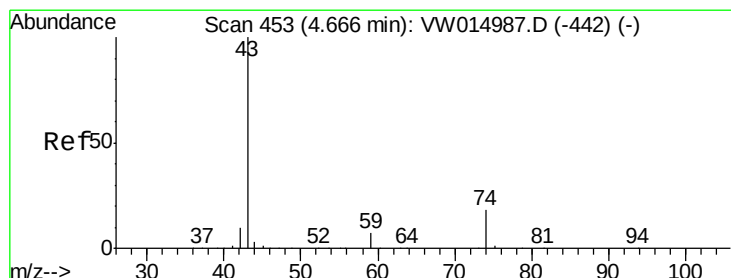
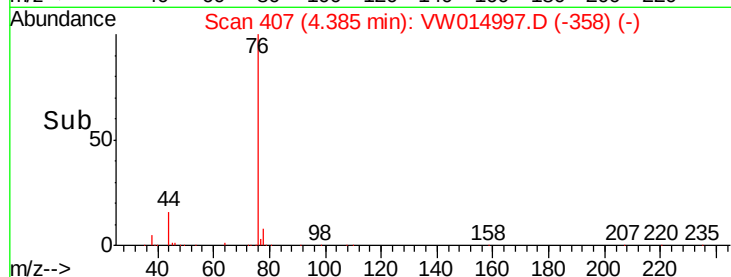
300000

200000

100000

0

Time--> 4.20 4.30 4.40 4.50



#15

Methyl Acetate

Concen: 26.392 ug/L

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW014997.D

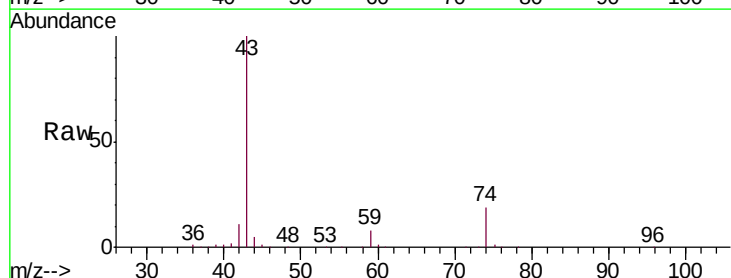
Acq: 14 Feb 2020 15:55

Tgt Ion: 43 Resp: 186390

Ion Ratio Lower Upper

43 100

74 17.9 14.6 21.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

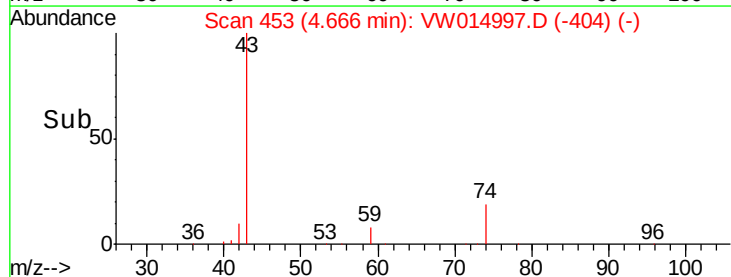
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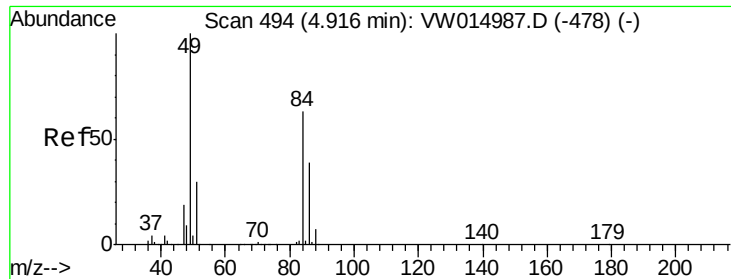
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20000

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Time--> 4.60 4.70 4.80

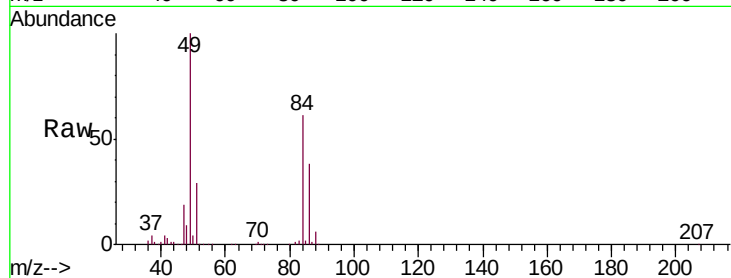




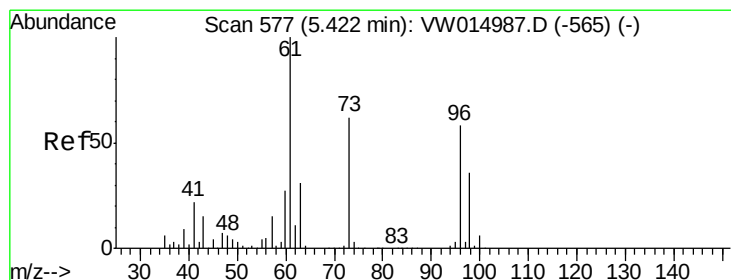
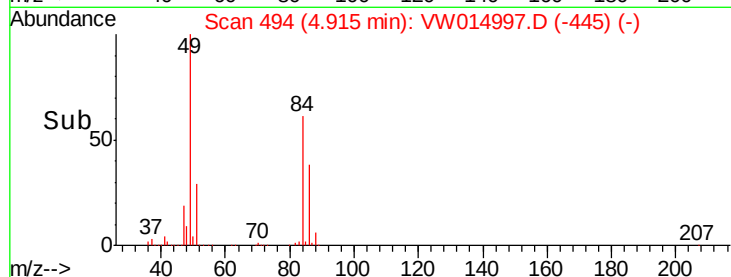
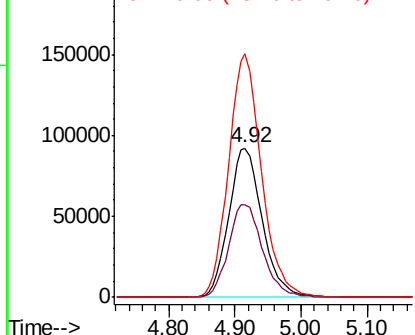
#16
Methylene chloride
Concen: 25.213 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW014997.D
Acq: 14 Feb 2020 15:55

Instrument :
MSVOA_W
ClientSampleId :
VSTD025310

Tgt Ion: 84 Resp: 323615
Ion Ratio Lower Upper
84 100
86 62.1 44.4 82.4
49 163.5 109.0 202.4

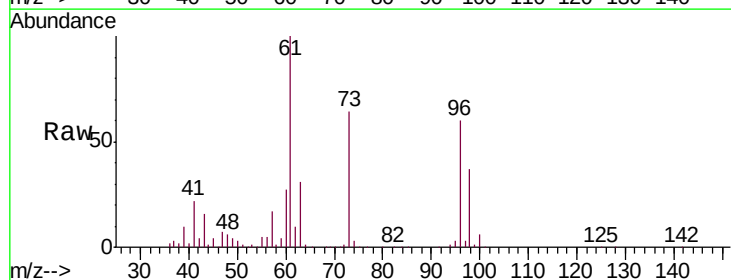


Abundance Ion 84.00 (83.70 to 84.70): VW
Ion 86.00 (85.70 to 86.70): VW
Ion 49.00 (48.70 to 49.70): VW

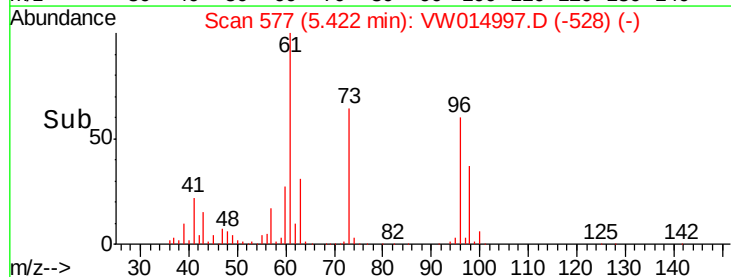
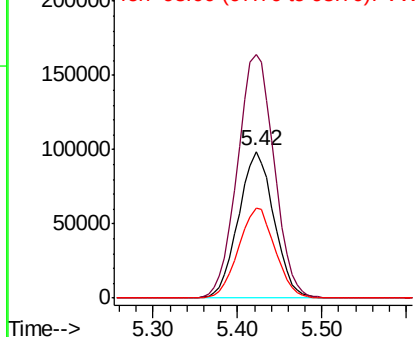


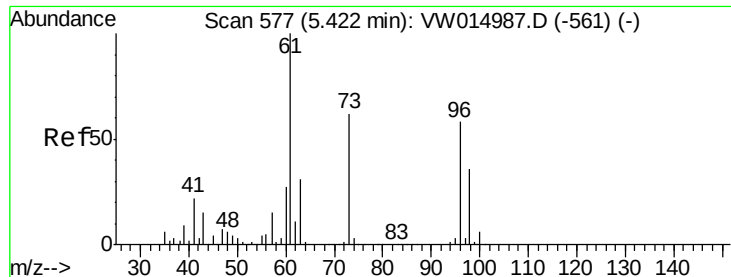
#17
trans-1,2-Dichloroethene
Concen: 27.030 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW014997.D
Acq: 14 Feb 2020 15:55

Tgt Ion: 96 Resp: 282344
Ion Ratio Lower Upper
96 100
61 166.3 120.1 223.1
98 61.8 43.8 81.3



Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW

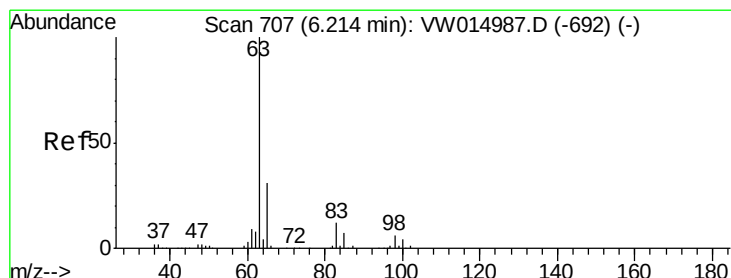
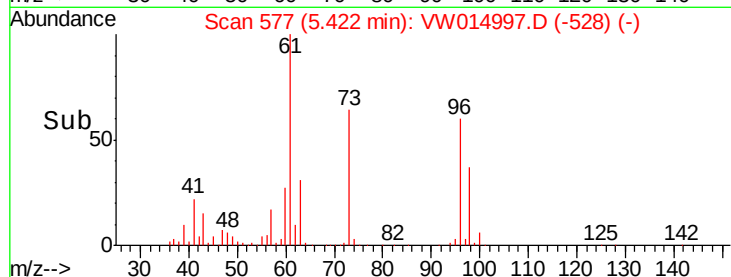
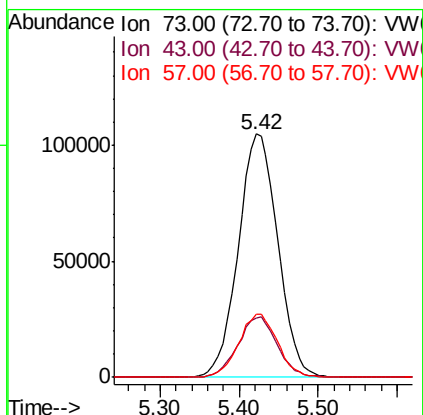
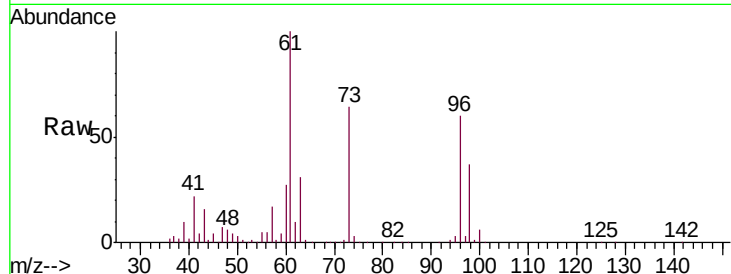




#18
Methyl tert-butyl Ether
Concen: 28.299 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW014997.D
Acq: 14 Feb 2020 15:55

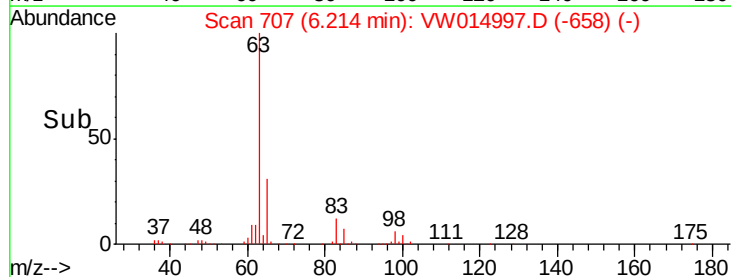
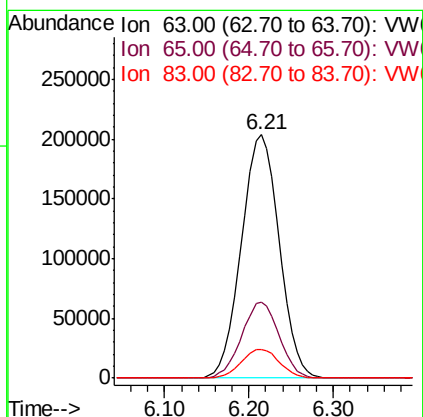
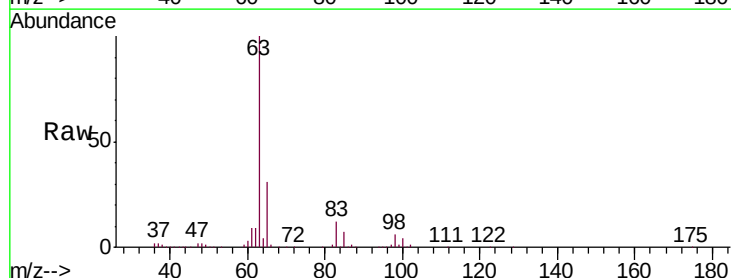
Instrument :
MSVOA_W
ClientSampleId :
VSTD025310

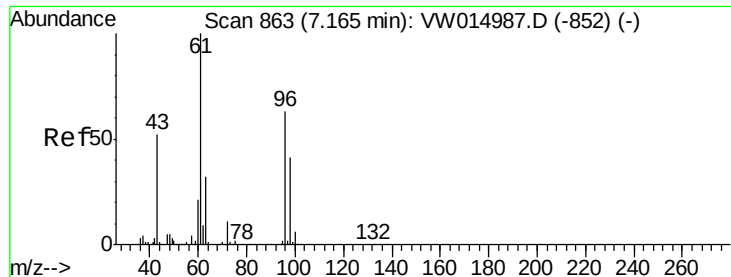
Tgt Ion: 73 Resp: 364846
Ion Ratio Lower Upper
73 100
43 24.2 19.6 29.4
57 25.5 21.0 31.4



#19
1,1-Dichloroethane
Concen: 26.587 ug/L
RT: 6.21 min Scan# 707
Delta R.T. -0.00 min
Lab File: VW014997.D
Acq: 14 Feb 2020 15:55

Tgt Ion: 63 Resp: 620326
Ion Ratio Lower Upper
63 100
65 31.2 20.9 38.7
83 12.0 7.8 14.6

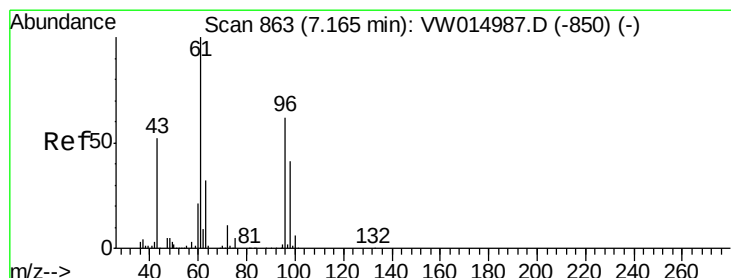
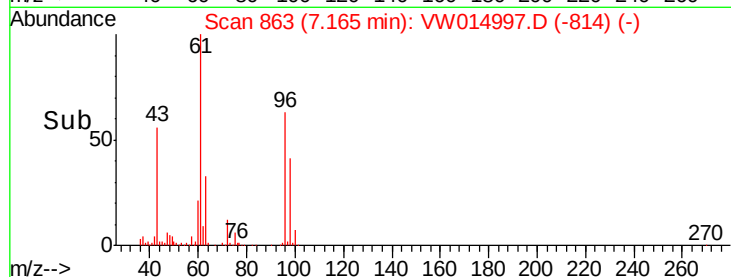
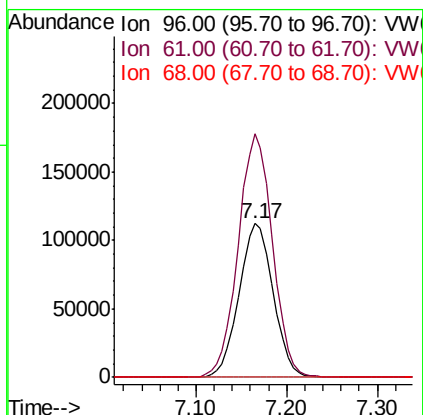
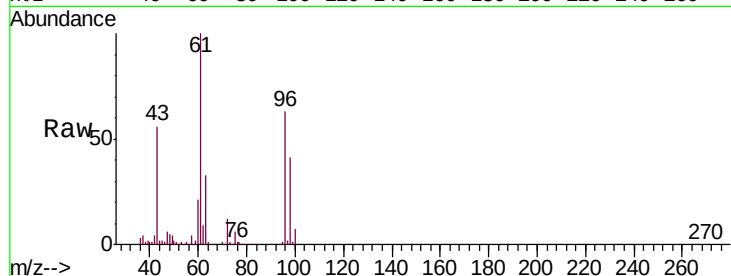




#20
 cis-1,2-Dichloroethene
 Concen: 27.228 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW014997.D
 Acq: 14 Feb 2020 15:55

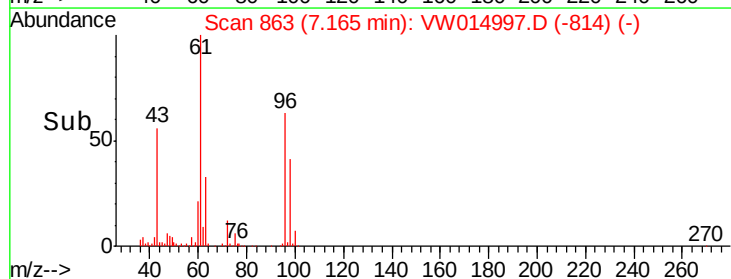
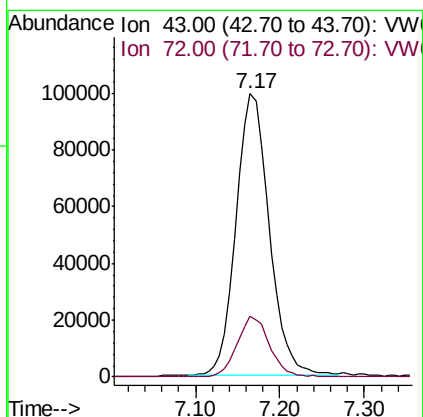
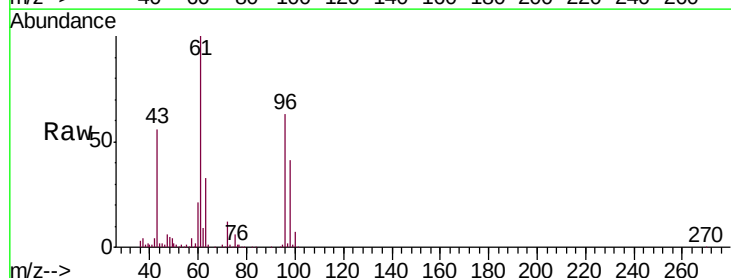
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025310

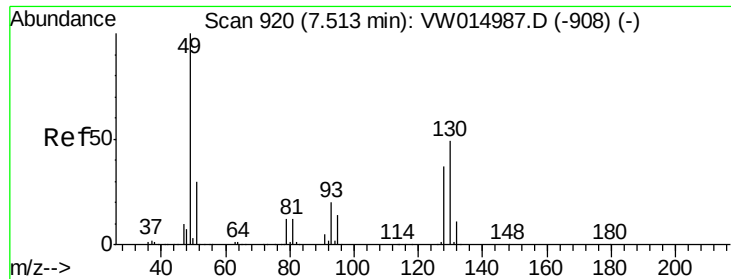
Tgt Ion: 96 Resp: 293123
 Ion Ratio Lower Upper
 96 100
 61 158.4 111.5 207.1
 68 0.0 0.0 0.0



#22
 2-Butanone
 Concen: 54.183 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW014997.D
 Acq: 14 Feb 2020 15:55

Tgt Ion: 43 Resp: 265108
 Ion Ratio Lower Upper
 43 100
 72 21.1 11.1 33.1

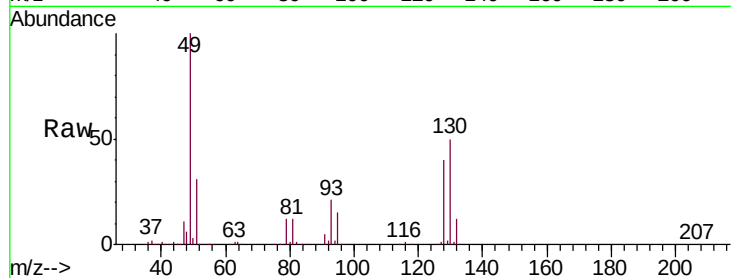




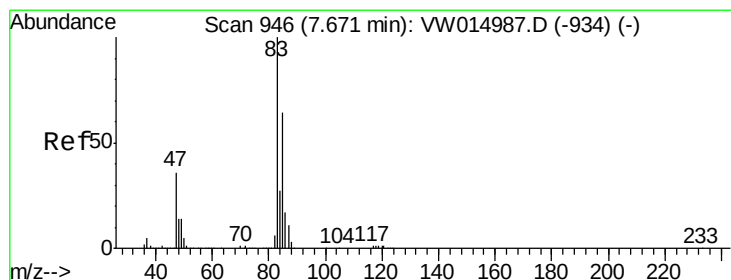
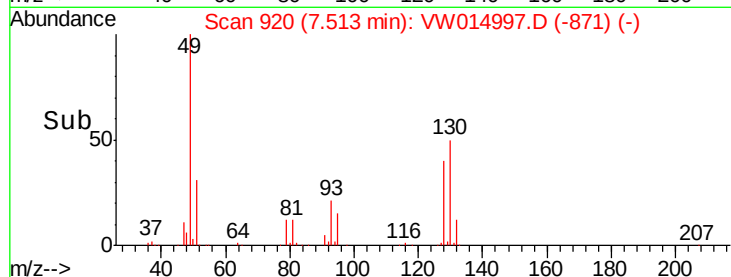
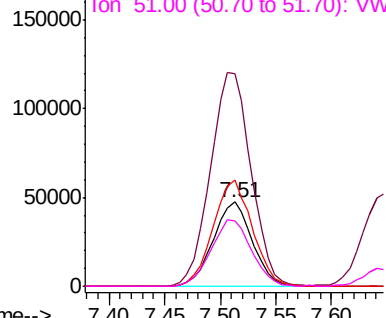
#23
 Bromochloromethane
 Concen: 26.495 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW014997.D
 Acq: 14 Feb 2020 15:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025310

Tgt Ion:	128	Resp:	115697
Ion	Ratio	Lower	Upper
128	100		
49	252.2	179.0	332.4
130	125.6	85.5	158.7
51	77.7	61.7	92.5

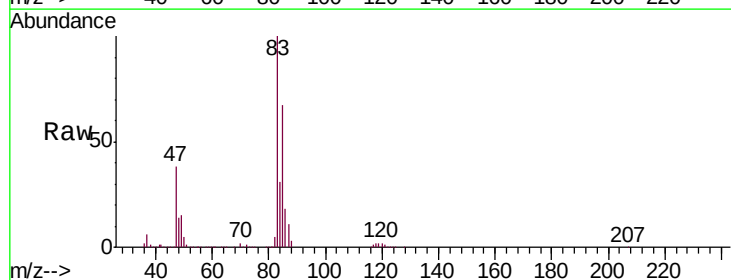


Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VV
 Ion 130.00 (129.70 to 130.70): V
 Ion 51.00 (50.70 to 51.70): VV

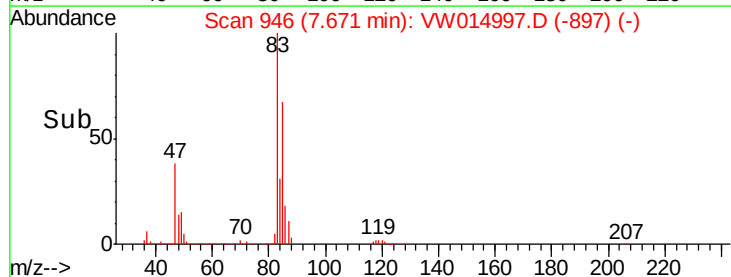
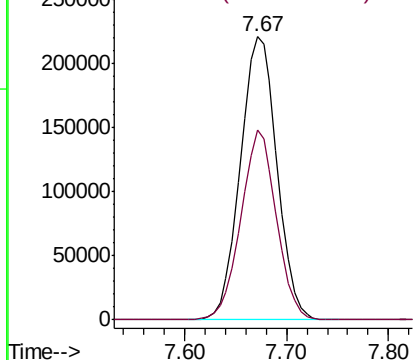


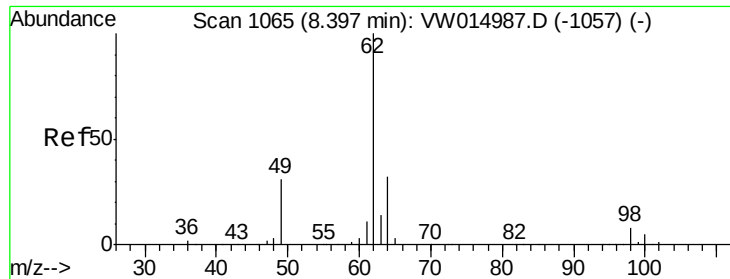
#25
 Chloroform
 Concen: 26.517 ug/L
 RT: 7.67 min Scan# 946
 Delta R.T. -0.00 min
 Lab File: VW014997.D
 Acq: 14 Feb 2020 15:55

Tgt Ion:	83	Resp:	551288
Ion	Ratio	Lower	Upper
83	100		
85	66.9	45.1	83.7



Abundance Ion 83.00 (82.70 to 83.70): VV
 Ion 85.00 (84.70 to 85.70): VV

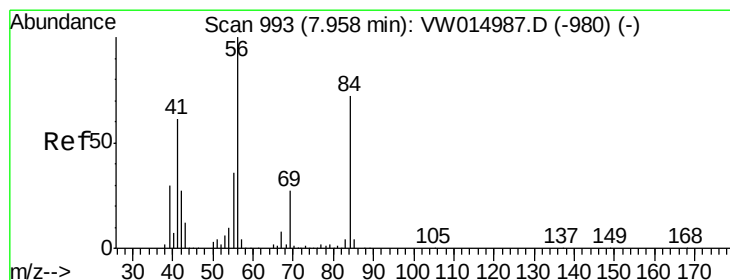
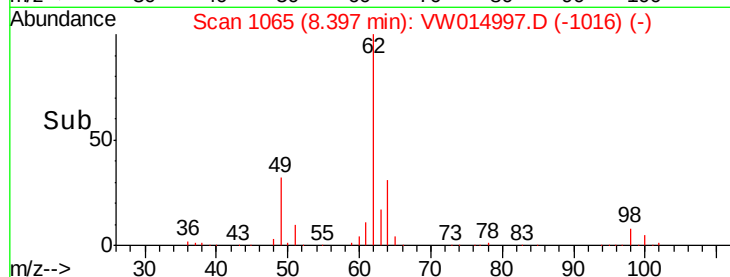
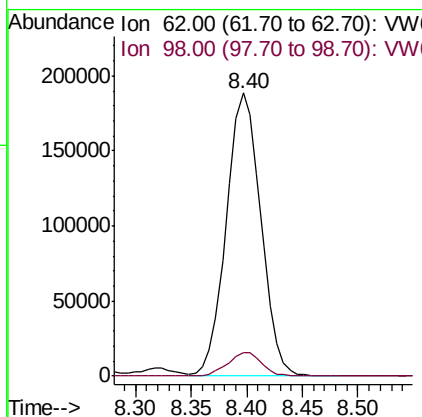
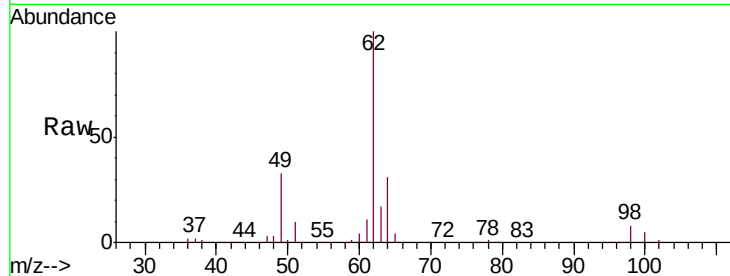




#27
 1,2-Dichloroethane
 Concen: 26.530 ug/L
 RT: 8.40 min Scan# 1065
 Delta R.T. -0.00 min
 Lab File: VW014997.D
 Acq: 14 Feb 2020 15:55

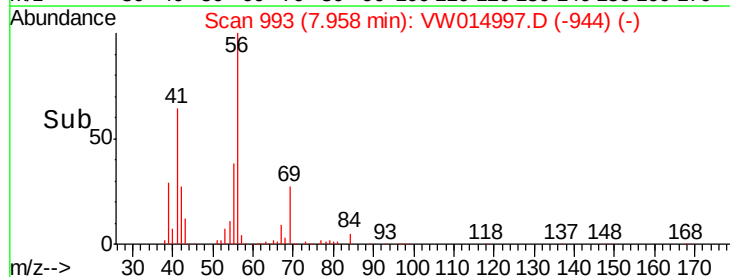
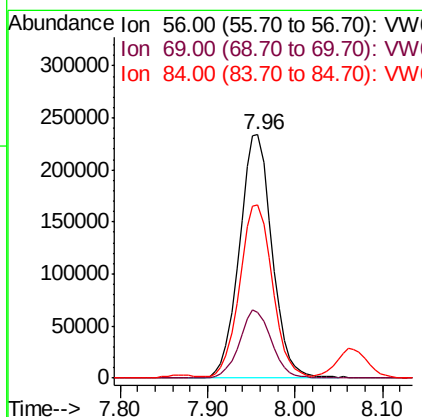
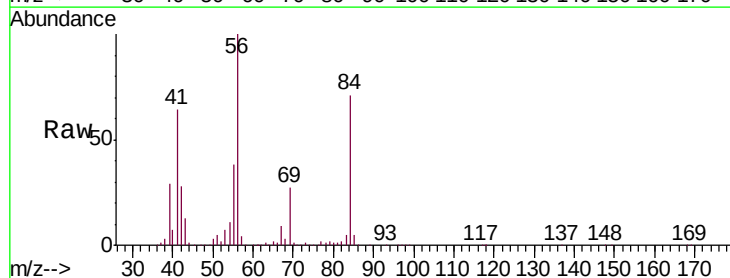
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025310

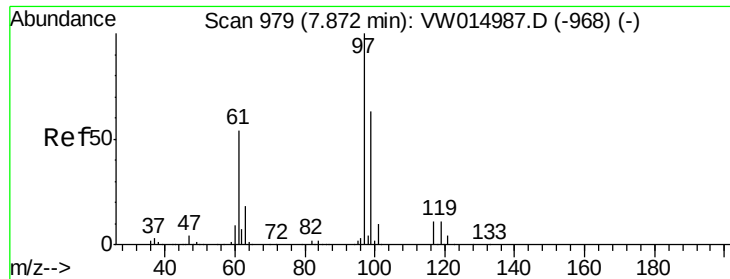
Tgt Ion: 62 Resp: 405333
 Ion Ratio Lower Upper
 62 100
 98 8.3 6.2 9.4



#29
 Cyclohexane
 Concen: 29.194 ug/L
 RT: 7.96 min Scan# 993
 Delta R.T. -0.00 min
 Lab File: VW014997.D
 Acq: 14 Feb 2020 15:55

Tgt Ion: 56 Resp: 607169
 Ion Ratio Lower Upper
 56 100
 69 27.4 22.0 33.0
 84 71.8 57.8 86.6

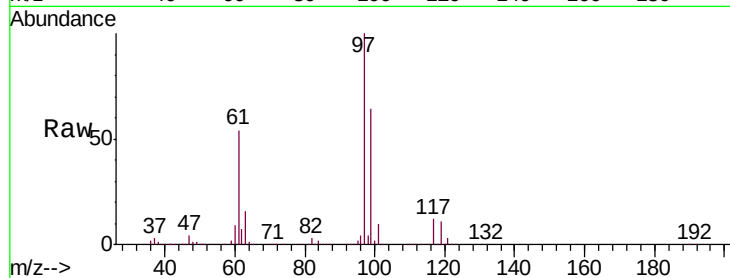




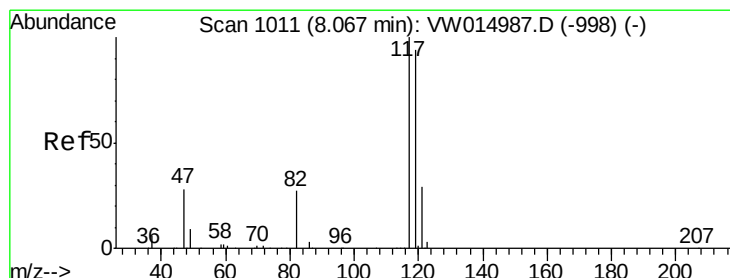
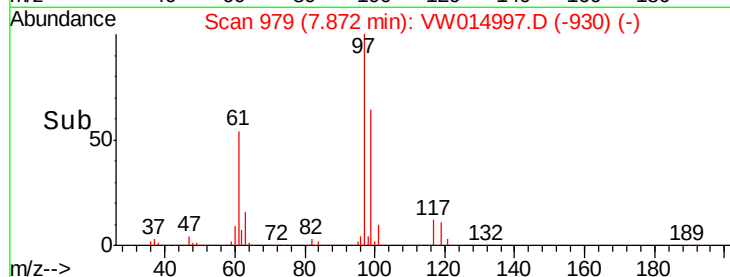
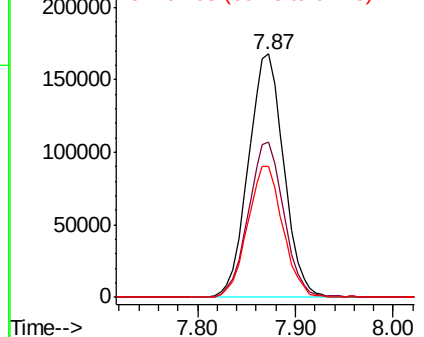
#30
 1,1,1-Trichloroethane
 Concen: 27.226 ug/L
 RT: 7.87 min Scan# 979
 Delta R.T. -0.00 min
 Lab File: VW014997.D
 Acq: 14 Feb 2020 15:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025310

Tgt Ion: 97 Resp: 422413
 Ion Ratio Lower Upper
 97 100
 99 63.7 50.6 75.8
 61 53.8 42.7 64.1

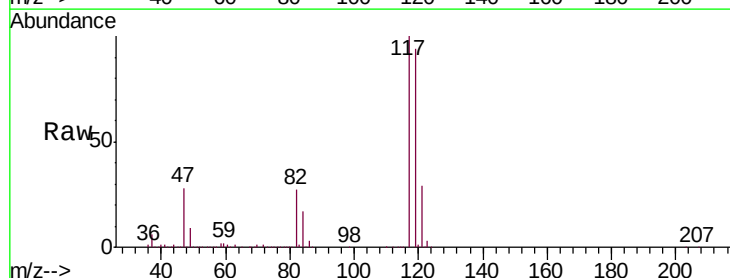


Abundance Ion 97.00 (96.70 to 97.70): VW
 Ion 99.00 (98.70 to 99.70): VW
 Ion 61.05 (60.75 to 61.75): VW

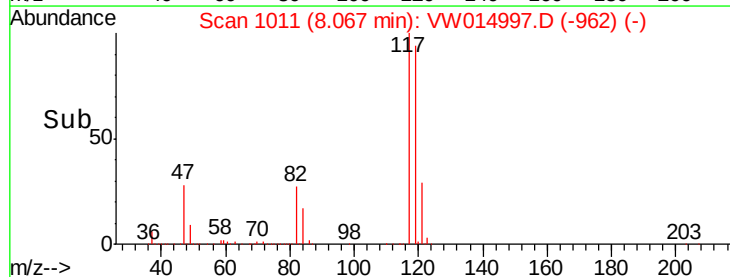
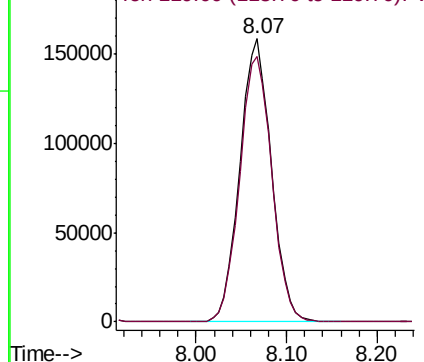


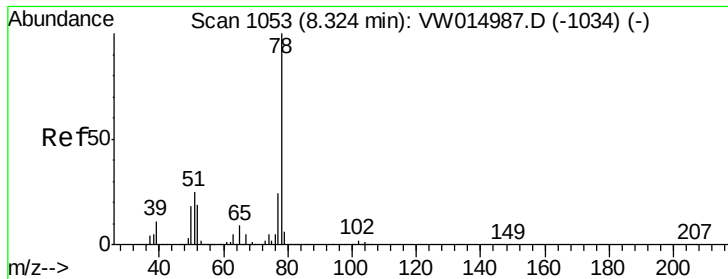
#31
 Carbon tetrachloride
 Concen: 27.294 ug/L
 RT: 8.07 min Scan# 1011
 Delta R.T. -0.00 min
 Lab File: VW014997.D
 Acq: 14 Feb 2020 15:55

Tgt Ion: 117 Resp: 381707
 Ion Ratio Lower Upper
 117 100
 119 95.7 76.6 114.8



Abundance Ion 117.00 (116.70 to 117.70): V
 Ion 119.00 (118.70 to 119.70): V





#33

Benzene

Concen: 27.574 ug/L

RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW014997.D

Acq: 14 Feb 2020 15:55

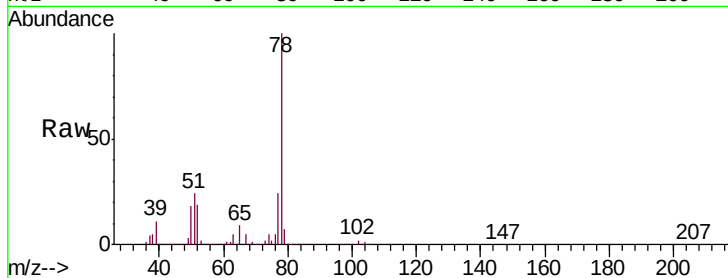
Instrument :

MSVOA_W

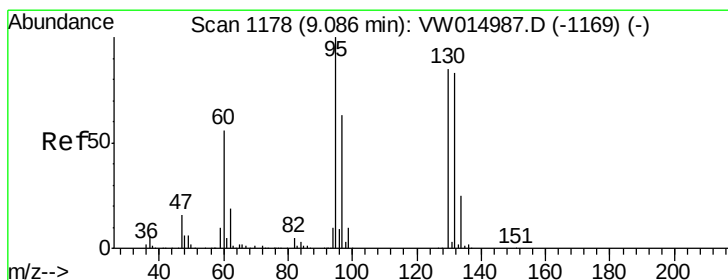
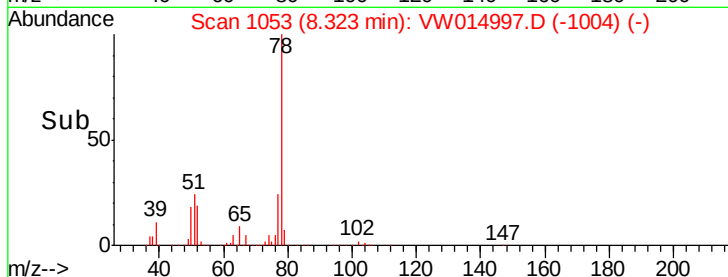
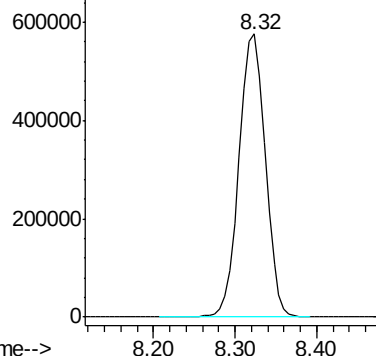
ClientSampleId :

VSTD025310

Tgt Ion: 78 Resp: 1291282



Abundance Ion 78.00 (77.70 to 78.70): VW



#34

Trichloroethene

Concen: 26.641 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VW014997.D

Acq: 14 Feb 2020 15:55

Tgt Ion: 95 Resp: 298804

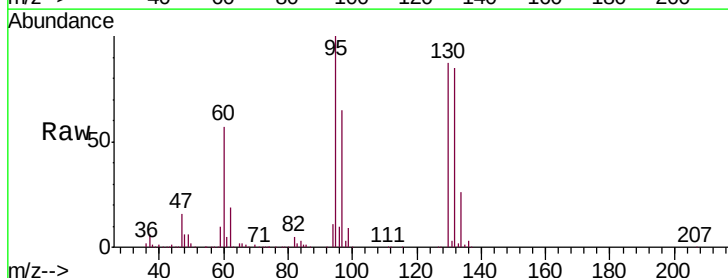
Ion	Ratio	Lower	Upper
95	100		
97	64.7	44.2	82.0
132	85.3	56.1	104.3
130	86.7	60.1	111.7

95 100

97 64.7 44.2 82.0

132 85.3 56.1 104.3

130 86.7 60.1 111.7

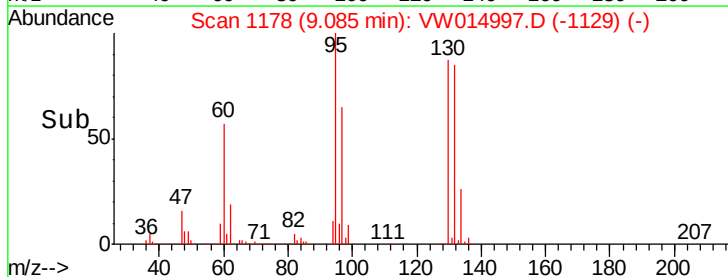
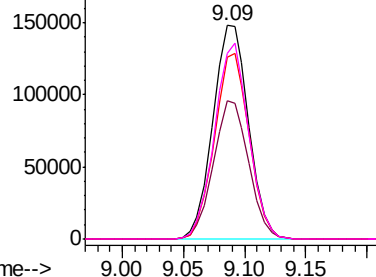


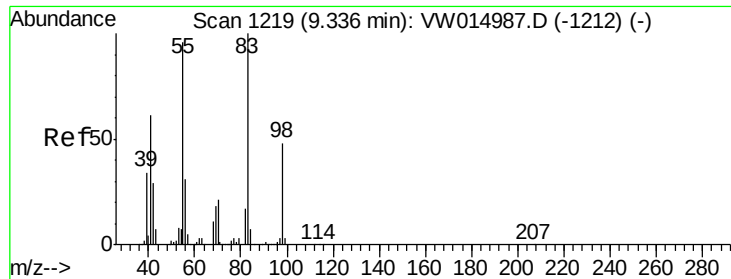
Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

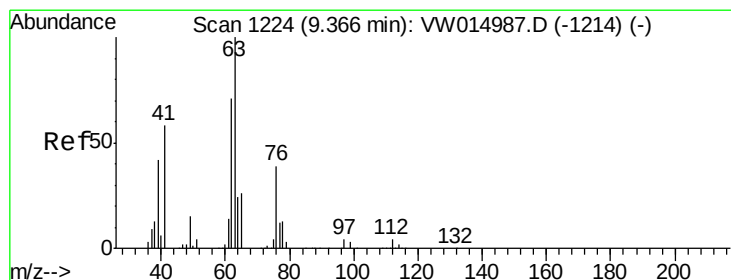
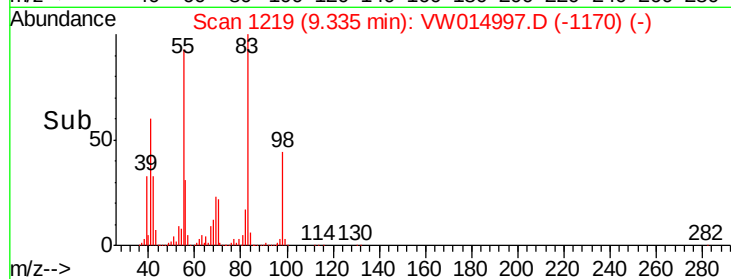
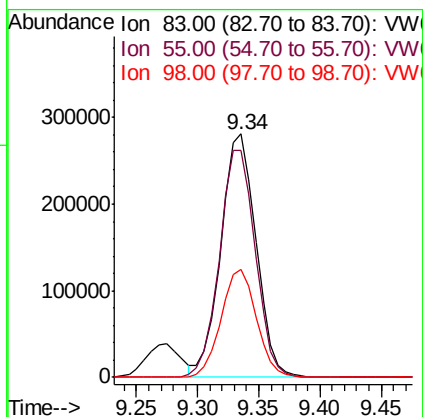
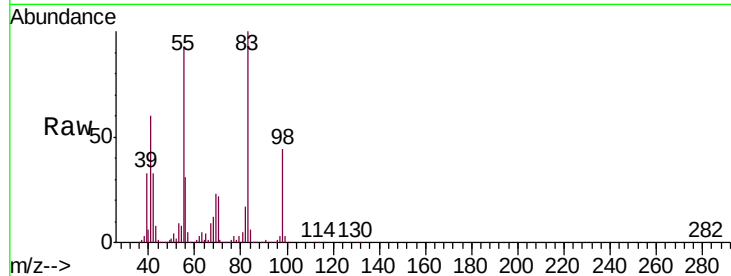




#35
Methylcyclohexane
Concen: 29.013 ug/L
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW014997.D
Acq: 14 Feb 2020 15:55

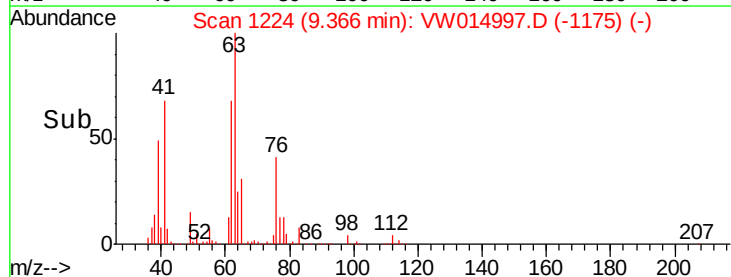
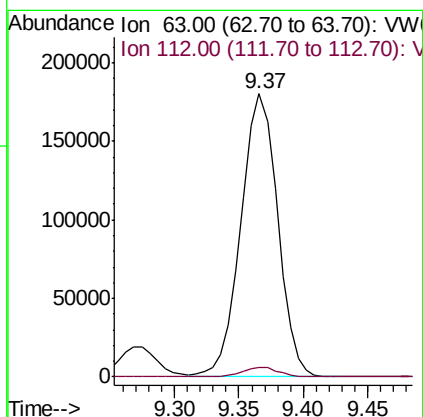
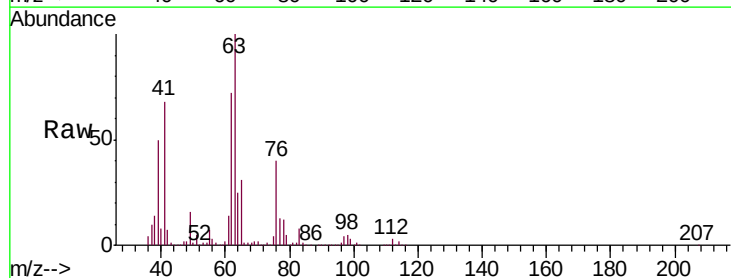
Instrument :
MSVOA_W
ClientSampleId :
VSTD025310

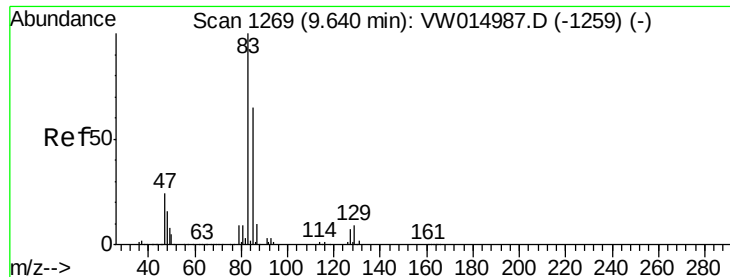
Tgt Ion: 83 Resp: 561239
Ion Ratio Lower Upper
83 100
55 94.8 76.3 114.5
98 44.6 36.4 54.6



#37
1,2-Dichloropropane
Concen: 27.356 ug/L
RT: 9.37 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VW014997.D
Acq: 14 Feb 2020 15:55

Tgt Ion: 63 Resp: 357801
Ion Ratio Lower Upper
63 100
112 3.4 2.6 4.0





#38

Bromodichloromethane

Concen: 26.975 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW014997.D

Acq: 14 Feb 2020 15:55

Instrument :

MSVOA_W

ClientSampled :

VSTD025310

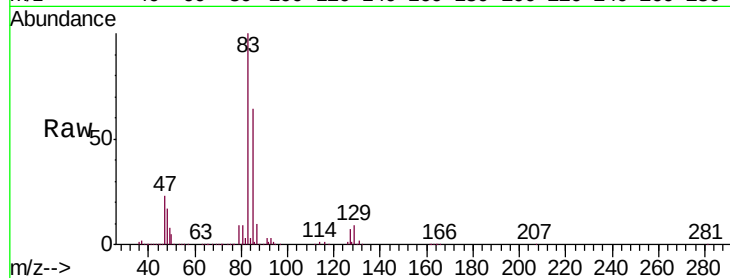
Tgt Ion: 83 Resp: 397295

Ion Ratio Lower Upper

83 100

85 63.6 45.2 84.0

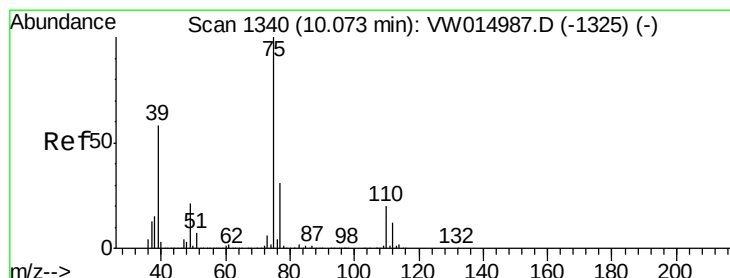
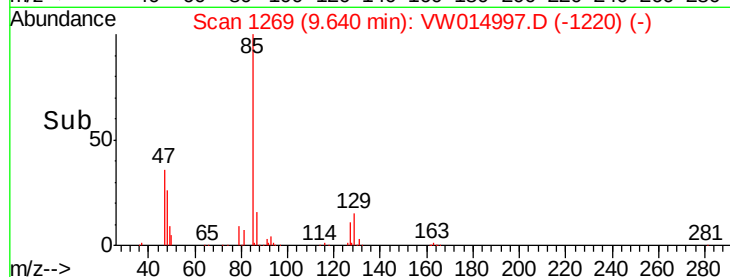
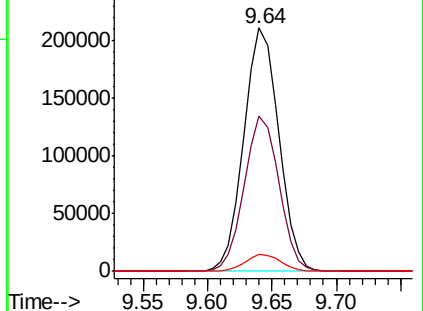
127 6.9 5.5 8.3



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): VW



#39

cis-1,3-Dichloropropene

Concen: 27.804 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW014997.D

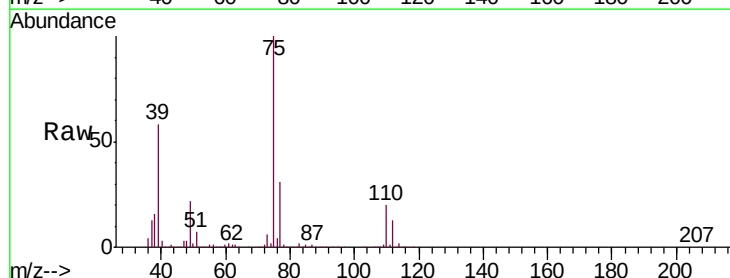
Acq: 14 Feb 2020 15:55

Tgt Ion: 75 Resp: 486541

Ion Ratio Lower Upper

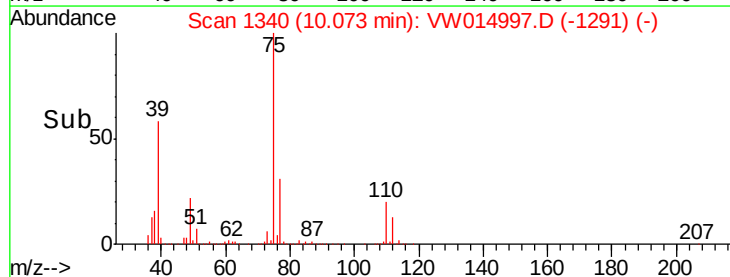
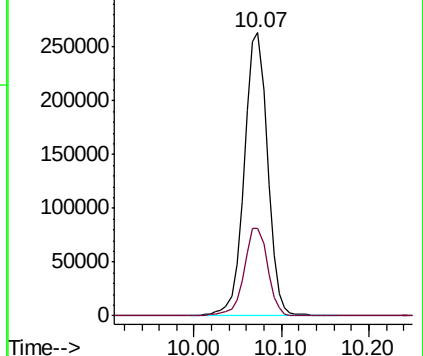
75 100

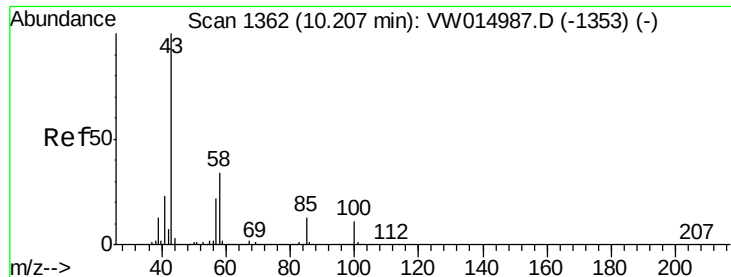
77 31.1 21.6 40.2



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#40

4-Methyl-2-pentanone

Concen: 55.685 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW014997.D

Acq: 14 Feb 2020 15:55

Instrument :

MSVOA_W

ClientSampleId :

VSTD025310

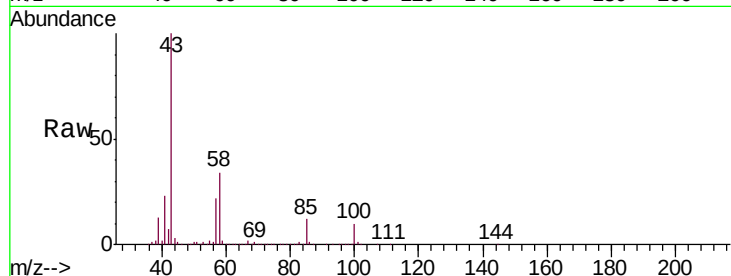
Tgt Ion: 43 Resp: 518529

Ion Ratio Lower Upper

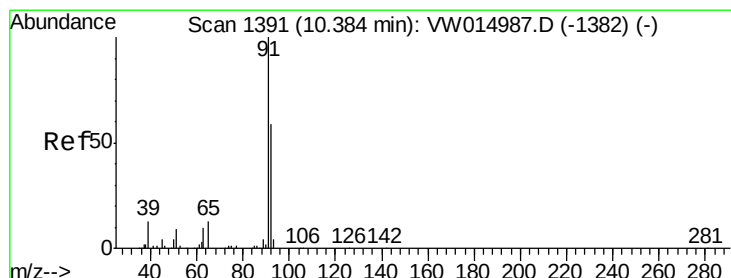
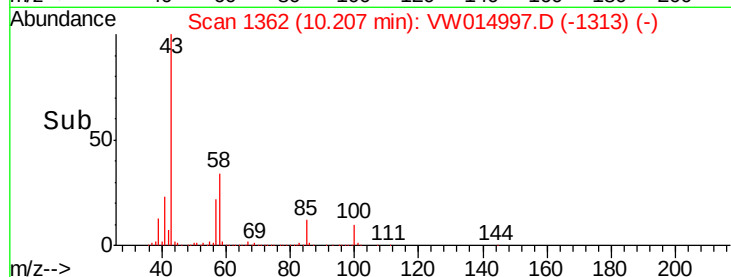
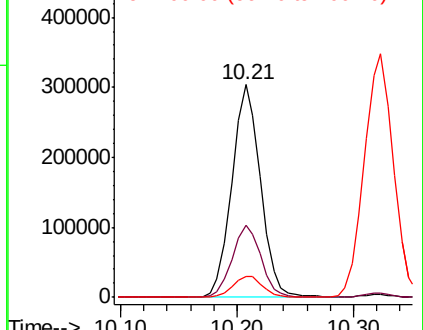
43 100

58 34.3 27.7 41.5

100 10.4 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW
Ion 100.00 (99.70 to 100.70): VW



#42

Toluene

Concen: 28.651 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW014997.D

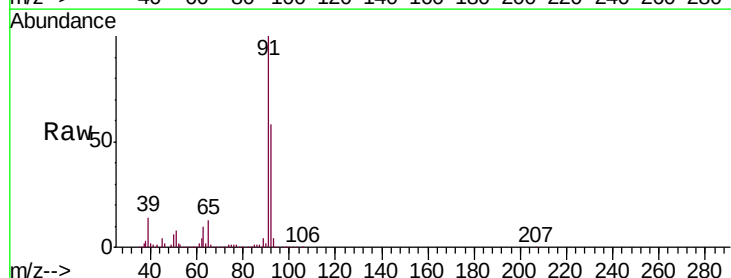
Acq: 14 Feb 2020 15:55

Tgt Ion: 91 Resp: 1296474

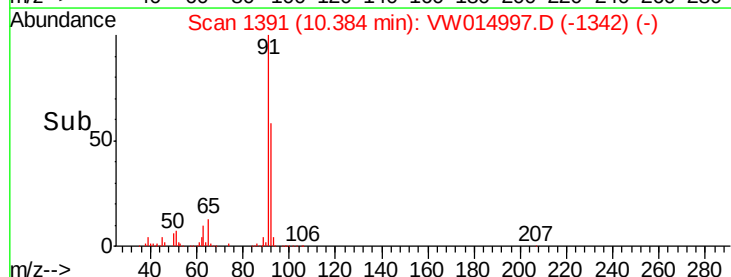
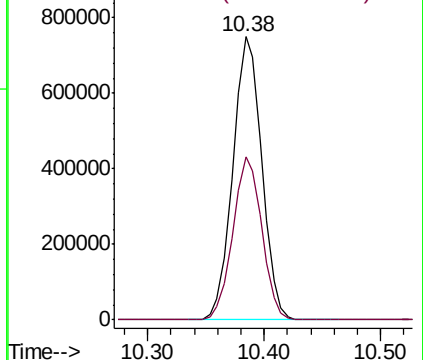
Ion Ratio Lower Upper

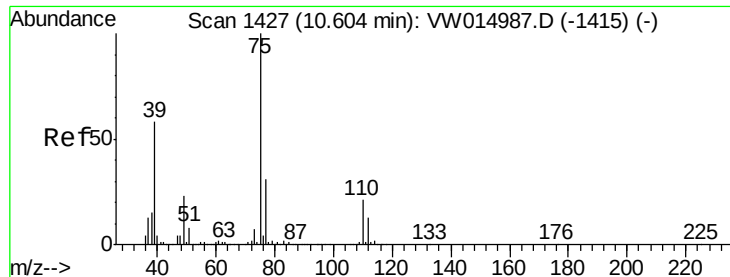
91 100

92 57.5 39.5 73.3



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 92.00 (91.70 to 92.70): VW





#44

trans-1,3-Dichloropropene

Concen: 27.801 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW014997.D

Acq: 14 Feb 2020 15:55

Instrument :

MSVOA_W

ClientSampleId :

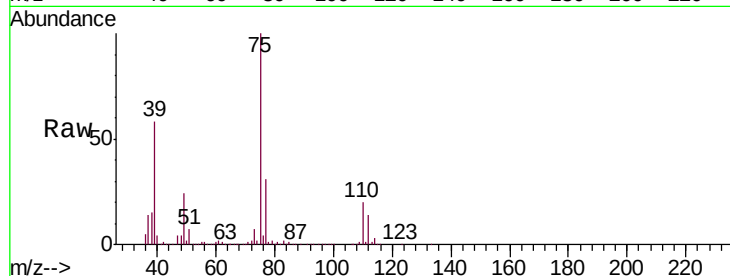
VSTD025310

Tgt Ion: 75 Resp: 403584

Ion Ratio Lower Upper

75 100

77 31.4 22.7 42.1



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.60

250000

200000

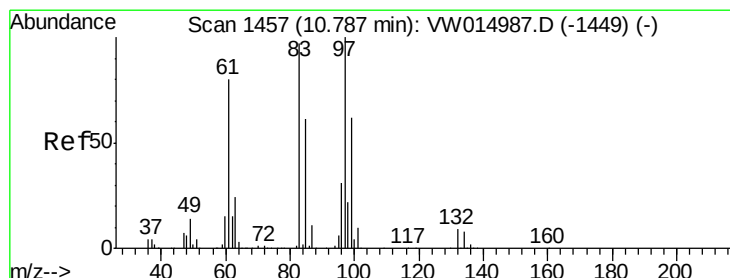
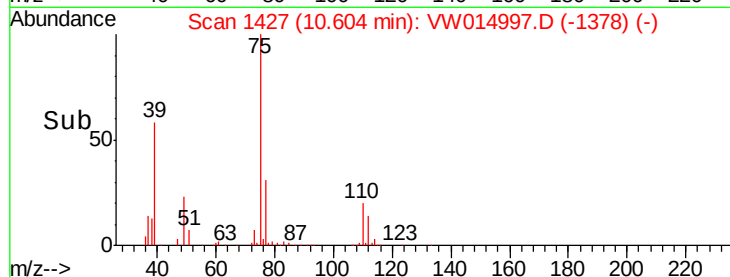
150000

100000

50000

0

Time-->



#45

1,1,2-Trichloroethane

Concen: 26.805 ug/L

RT: 10.78 min Scan# 1456

Delta R.T. -0.01 min

Lab File: VW014997.D

Acq: 14 Feb 2020 15:55

Tgt Ion: 97 Resp: 212678

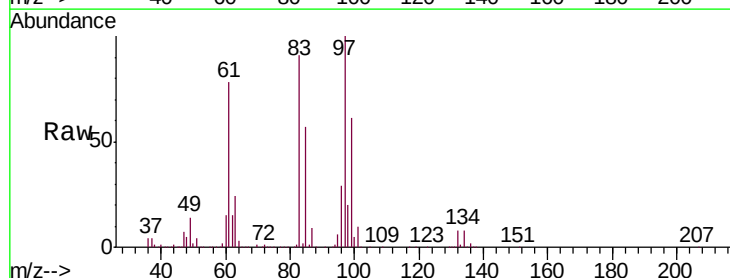
Ion Ratio Lower Upper

97 100

99 61.2 44.2 82.0

83 90.8 64.1 119.1

85 57.4 42.1 78.1



Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 99.00 (98.70 to 99.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

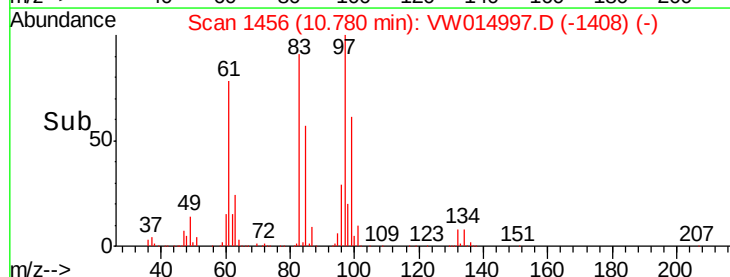
150000

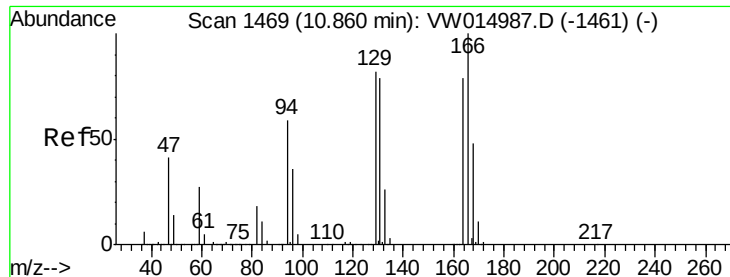
100000

50000

0

Time-->





#46

Tetrachloroethene

Concen: 26.605 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW014997.D

Acq: 14 Feb 2020 15:55

Instrument :

MSVOA_W

ClientSampleId :

VSTD025310

Tgt Ion:164 Resp: 193774

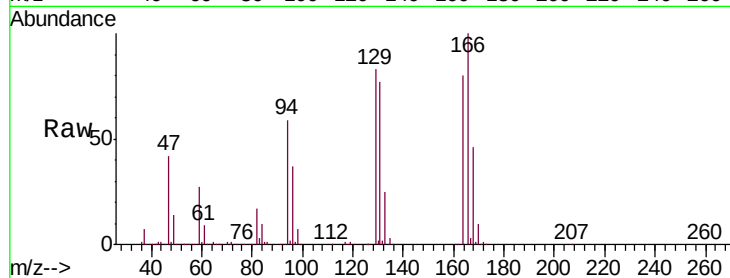
Ion Ratio Lower Upper

164 100

129 103.3 72.2 134.2

131 95.8 68.1 126.5

166 124.8 90.6 168.2

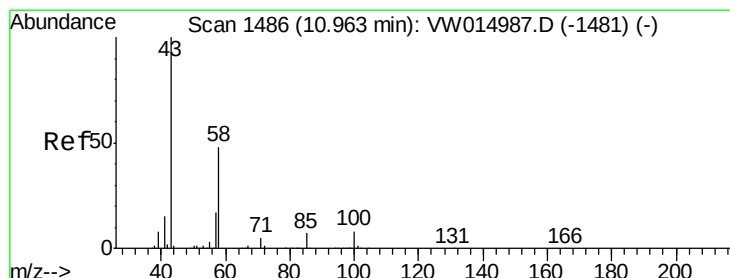
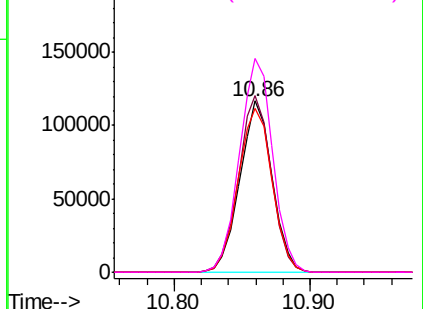
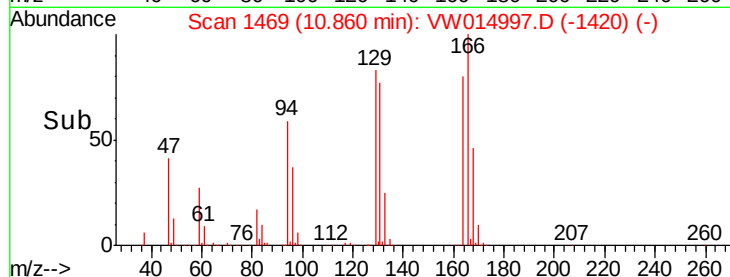


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#48

2-Hexanone

Concen: 58.305 ug/L

RT: 10.96 min Scan# 1486

Delta R.T. -0.00 min

Lab File: VW014997.D

Acq: 14 Feb 2020 15:55

Tgt Ion: 43 Resp: 395580

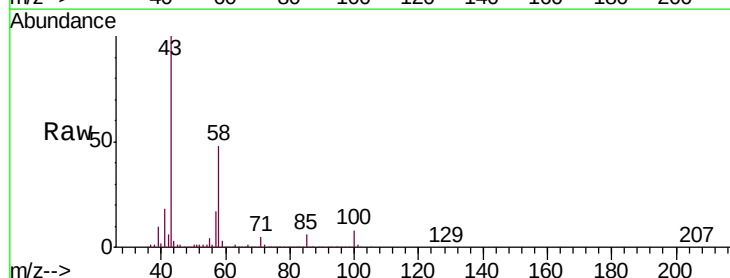
Ion Ratio Lower Upper

43 100

58 47.2 39.2 58.8

57 15.9 13.1 19.7

100 8.2 7.0 10.4

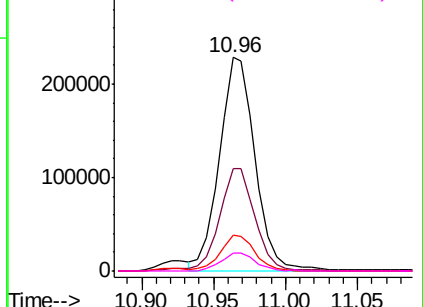
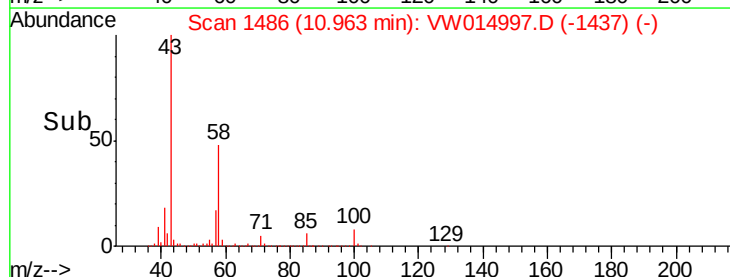


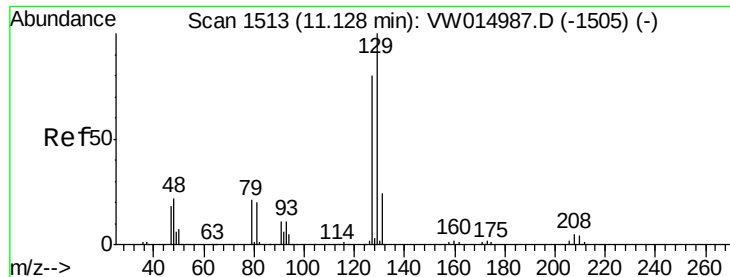
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW





#49

Dibromochloromethane

Concen: 26.813 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW014997.D

Acq: 14 Feb 2020 15:55

Instrument :

MSVOA_W

ClientSampleId :

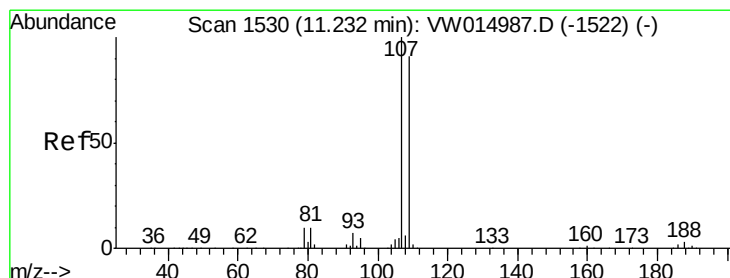
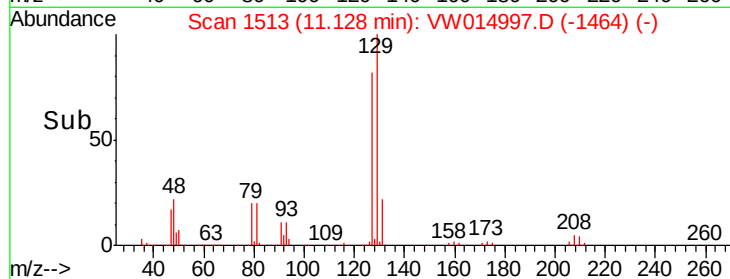
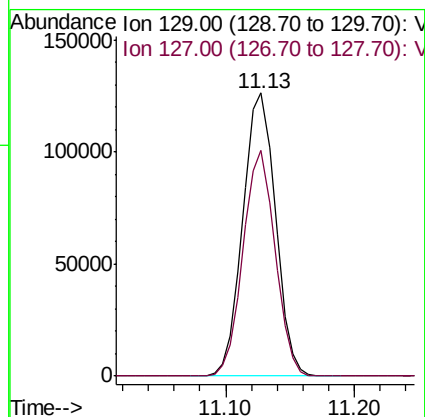
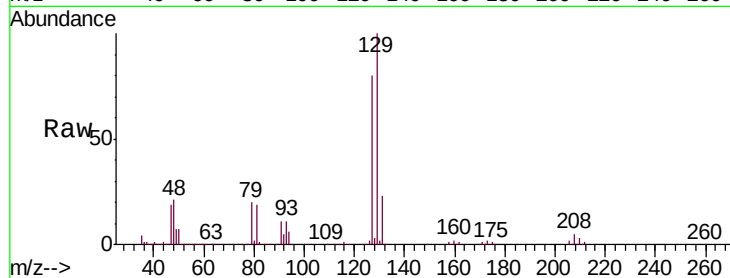
VSTD025310

Tgt Ion:129 Resp: 221664

Ion Ratio Lower Upper

129 100

127 79.6 53.0 98.4



#50

1,2-Dibromoethane

Concen: 26.692 ug/L

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW014997.D

Acq: 14 Feb 2020 15:55

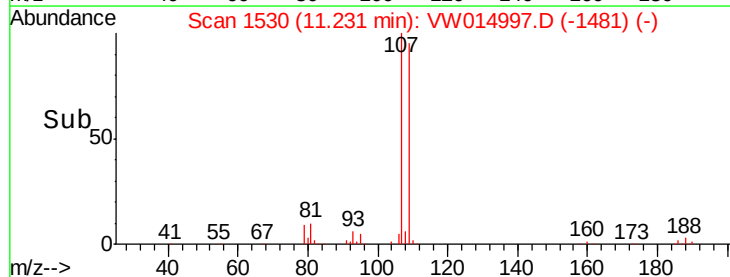
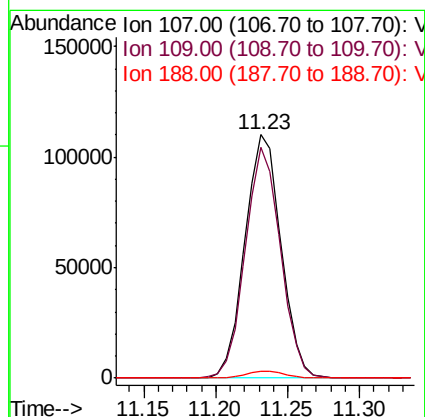
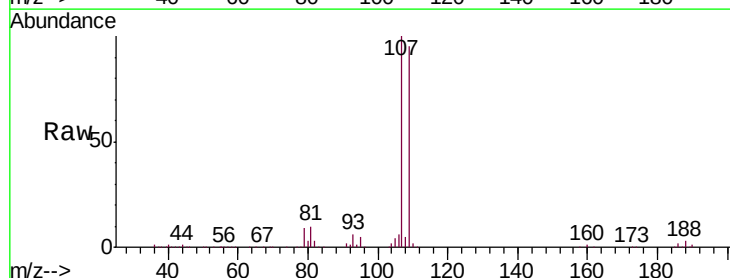
Tgt Ion:107 Resp: 190919

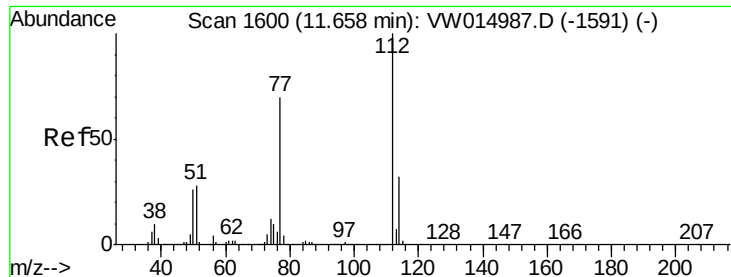
Ion Ratio Lower Upper

107 100

109 94.9 65.1 120.9

188 3.0 2.4 3.6

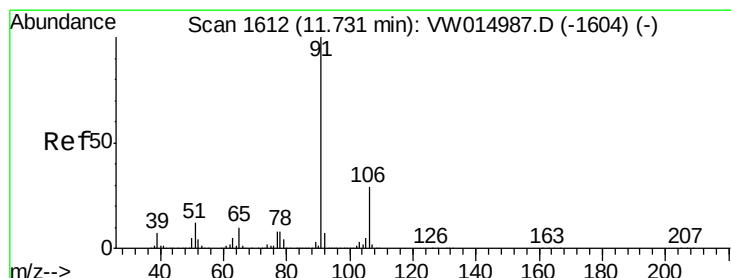
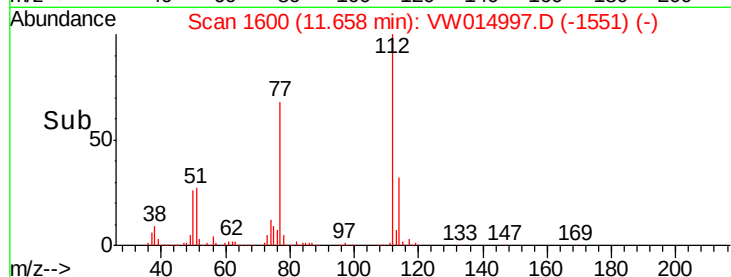
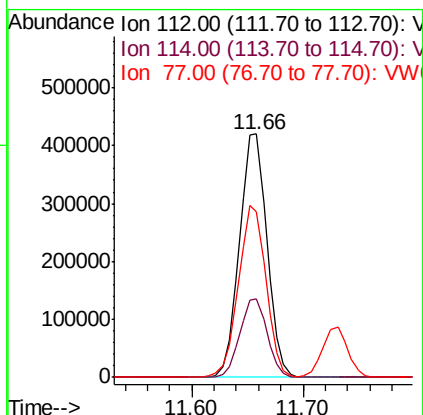
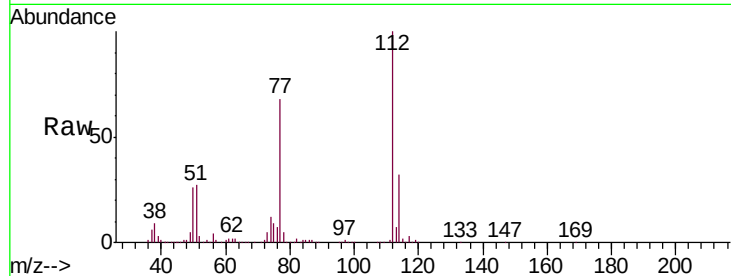




#51
Chlorobenzene
Concen: 27.061 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW014997.D
Acq: 14 Feb 2020 15:55

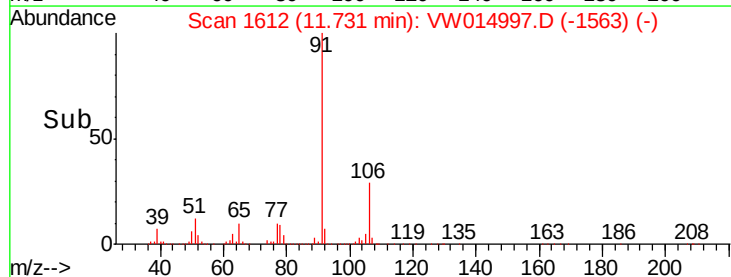
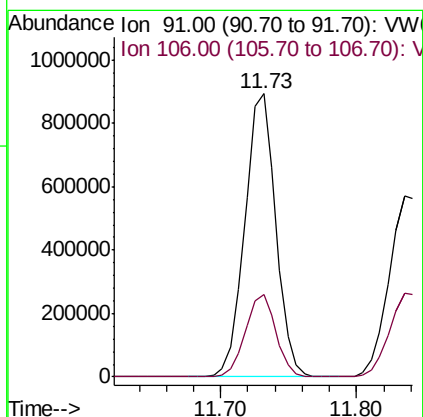
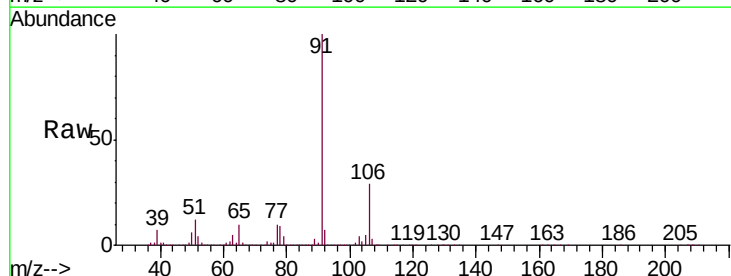
Instrument :
MSVOA_W
ClientSampleId :
VSTD025310

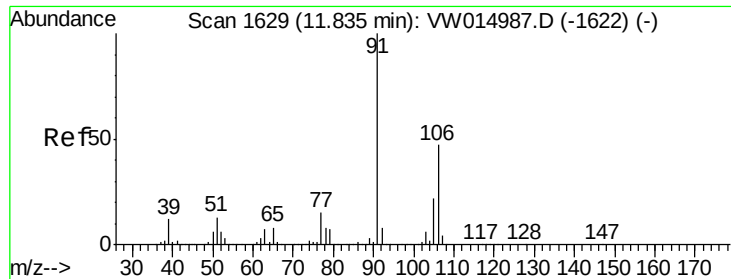
Tgt Ion: 112 Resp: 722318
Ion Ratio Lower Upper
112 100
114 32.2 22.6 42.0
77 67.8 54.6 82.0



#52
Ethylbenzene
Concen: 28.838 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW014997.D
Acq: 14 Feb 2020 15:55

Tgt Ion: 91 Resp: 1421372
Ion Ratio Lower Upper
91 100
106 29.0 20.2 37.4





#53

m,p-Xylene

Concen: 29.067 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VW014997.D

Acq: 14 Feb 2020 15:55

Instrument :

MSVOA_W

ClientSampleId :

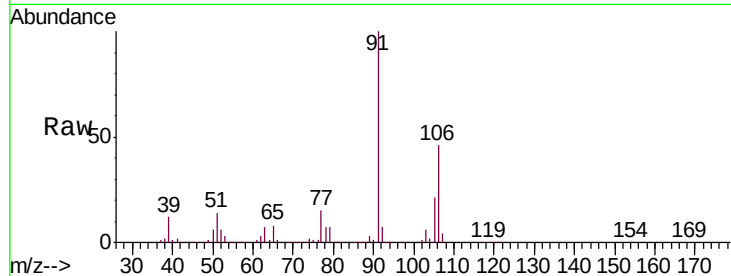
VSTD025310

Tgt Ion:106 Resp: 502699

Ion Ratio Lower Upper

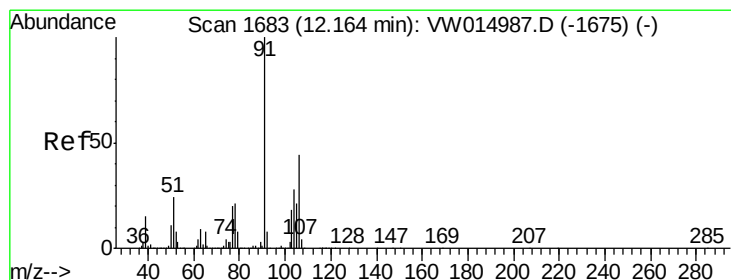
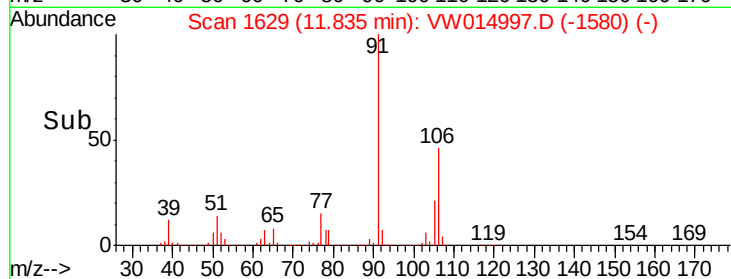
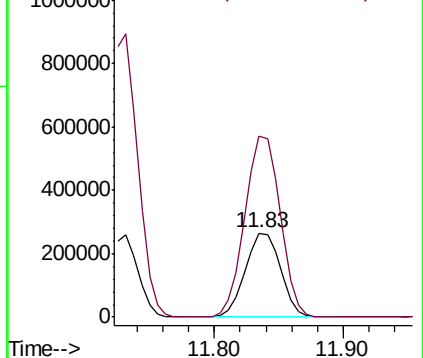
106 100

91 215.7 149.2 277.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#54

o-Xylene

Concen: 29.057 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW014997.D

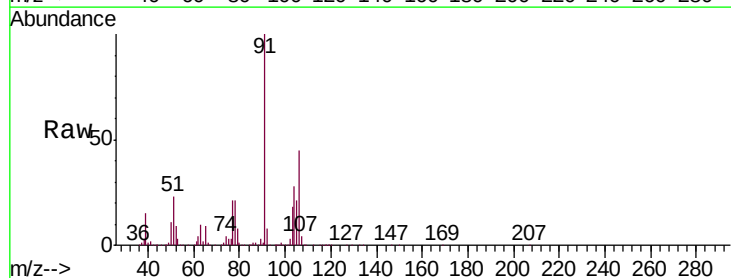
Acq: 14 Feb 2020 15:55

Tgt Ion:106 Resp: 471888

Ion Ratio Lower Upper

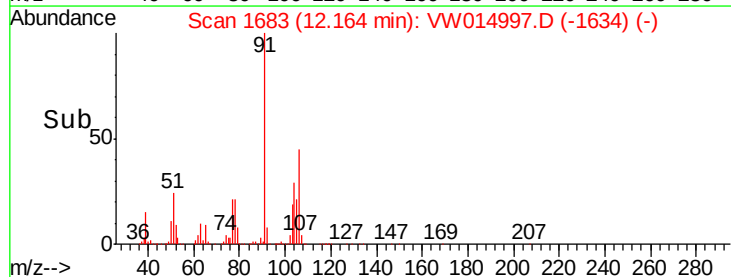
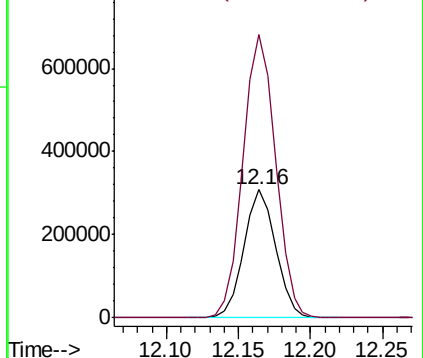
106 100

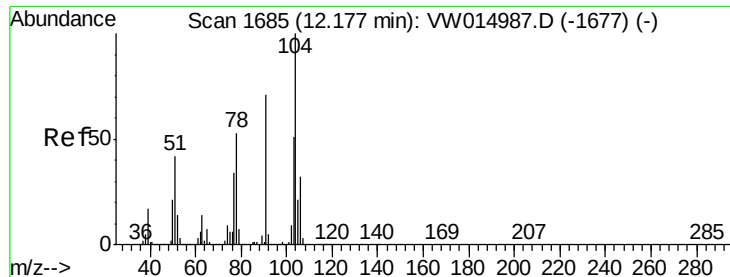
91 221.3 163.7 304.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#55

Styrene

Concen: 29.524 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VW014997.D

Acq: 14 Feb 2020 15:55

Instrument :

MSVOA_W

ClientSampled :

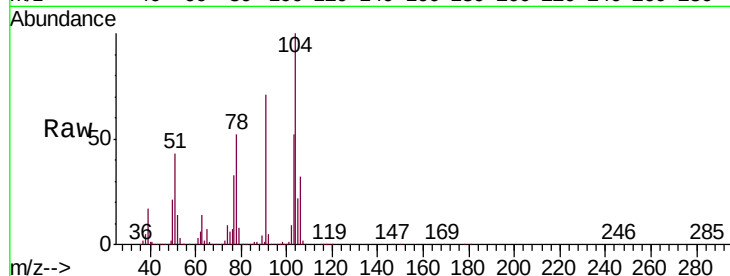
VSTD025310

Tgt Ion:104 Resp: 826569

Ion Ratio Lower Upper

104 100

78 52.4 36.8 68.4



Abundance Ion 104.00 (103.70 to 104.70): VW

Ion 78.00 (77.70 to 78.70): VW

12.18

500000

400000

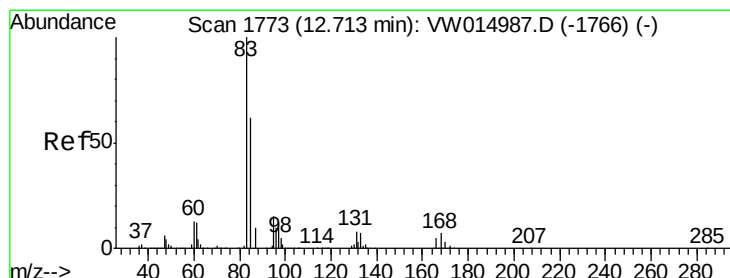
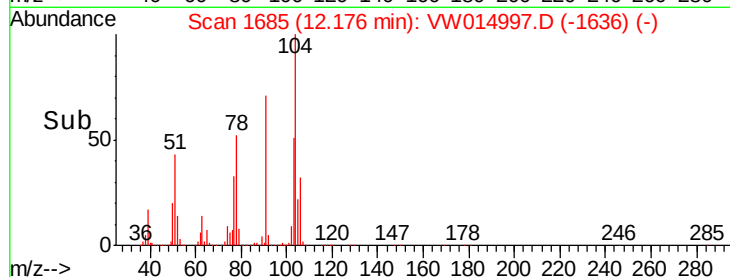
300000

200000

100000

0

Time-->



#57

1,1,2,2-Tetrachloroethane

Concen: 26.670 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW014997.D

Acq: 14 Feb 2020 15:55

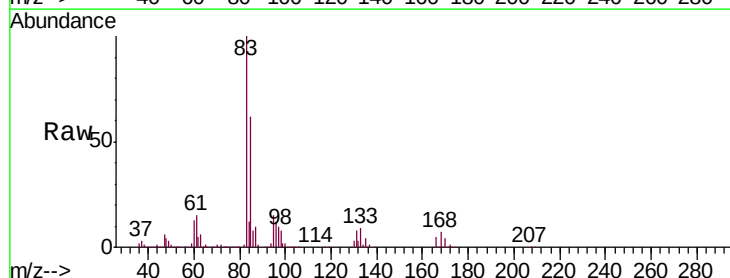
Tgt Ion: 83 Resp: 283138

Ion Ratio Lower Upper

83 100

85 62.5 44.9 83.5

131 8.0 6.2 9.2



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): VW

12.71

200000

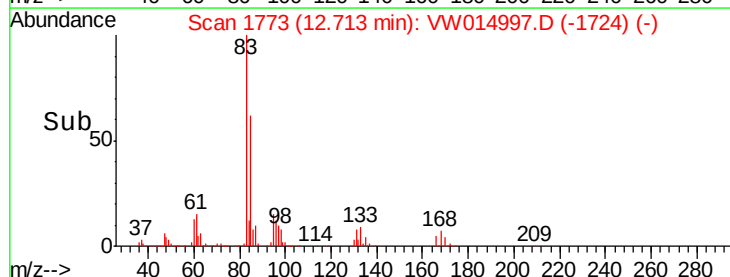
150000

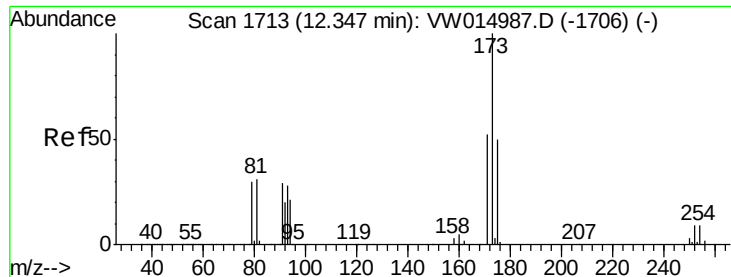
100000

50000

0

Time-->





#59

Bromoform

Concen: 25.144 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW014997.D

Acq: 14 Feb 2020 15:55

Instrument :

MSVOA_W

ClientSampleId :

VSTD025310

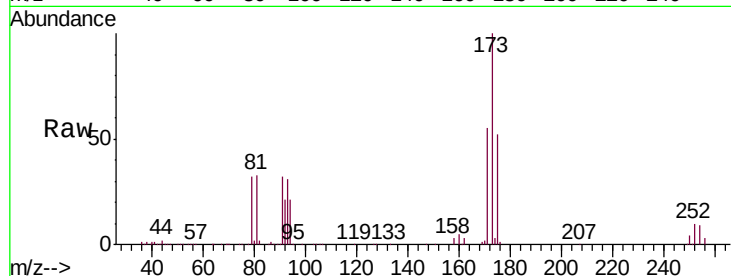
Tgt Ion:173 Resp: 111406

Ion Ratio Lower Upper

173 100

175 49.9 39.0 58.4

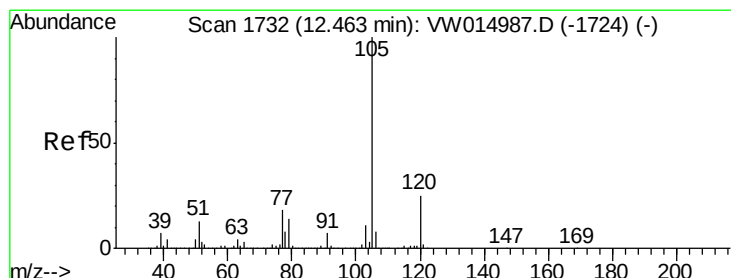
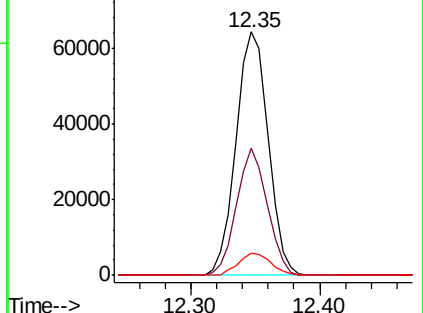
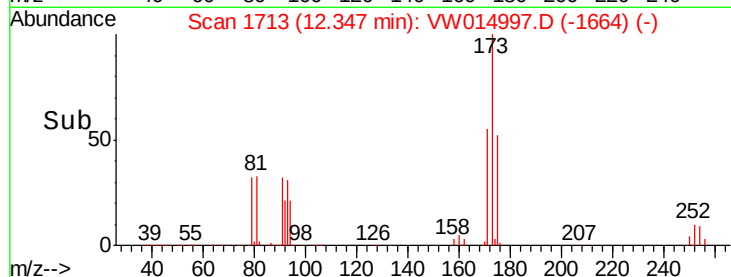
254 9.1 7.1 10.7



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#60

Isopropylbenzene

Concen: 28.559 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW014997.D

Acq: 14 Feb 2020 15:55

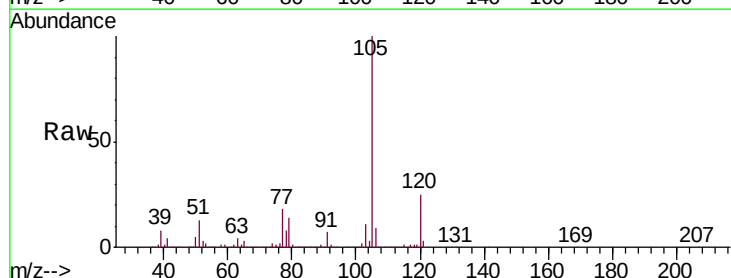
Tgt Ion:105 Resp: 1295526

Ion Ratio Lower Upper

105 100

120 24.8 20.1 30.1

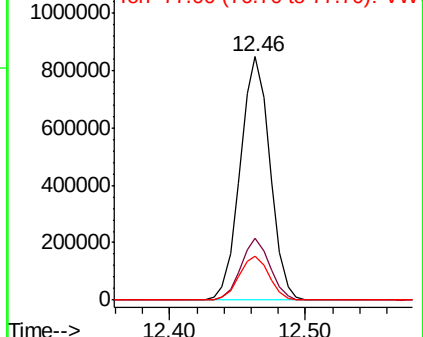
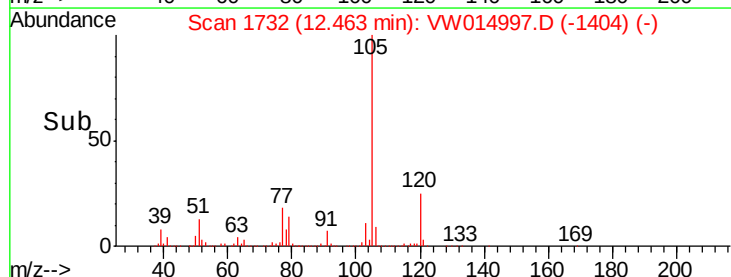
77 18.0 14.4 21.6

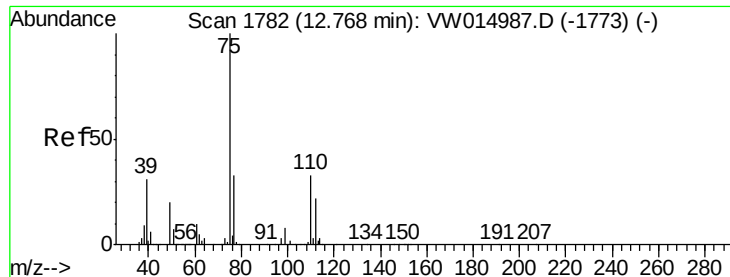


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V

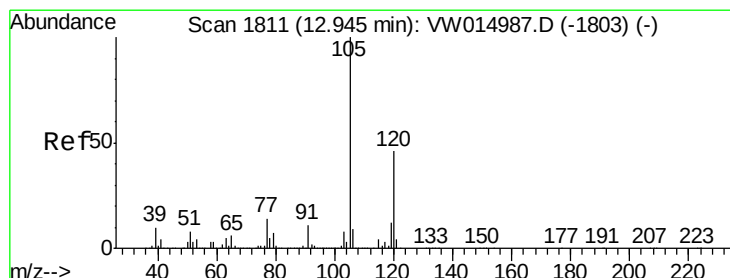
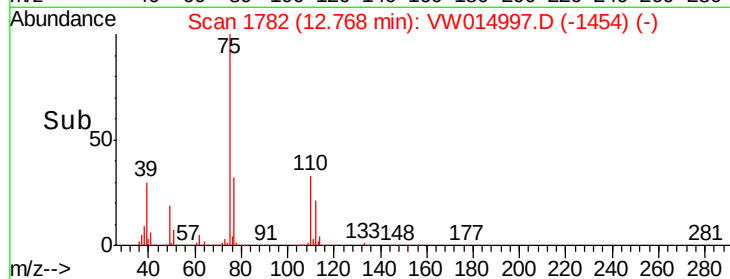
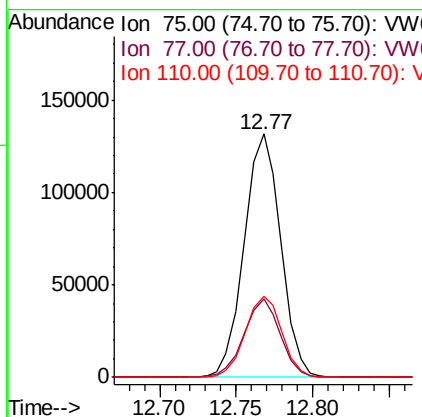
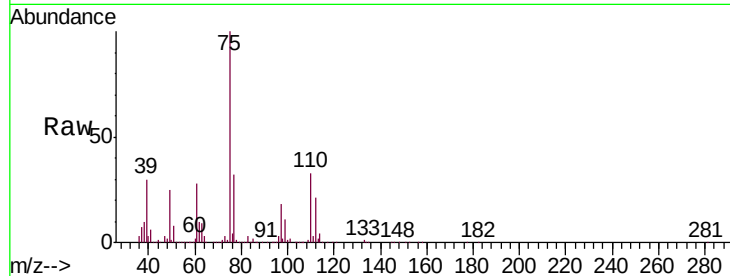




#61
 1,2,3-Trichloropropane
 Concen: 25.765 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW014997.D
 Acq: 14 Feb 2020 15:55

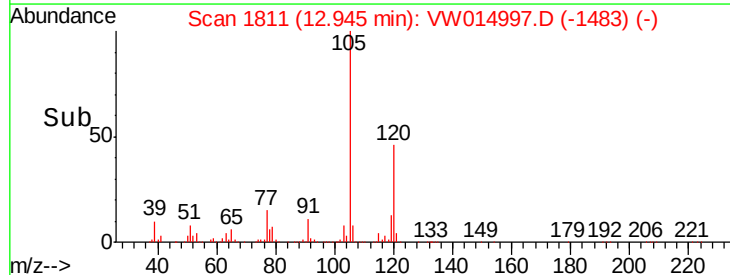
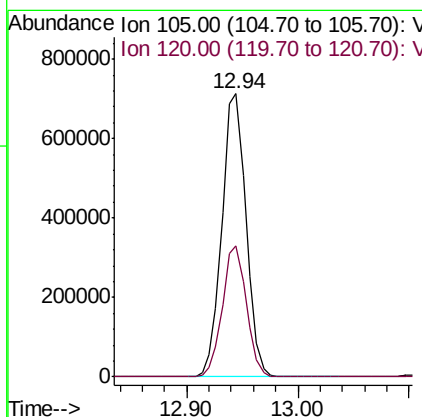
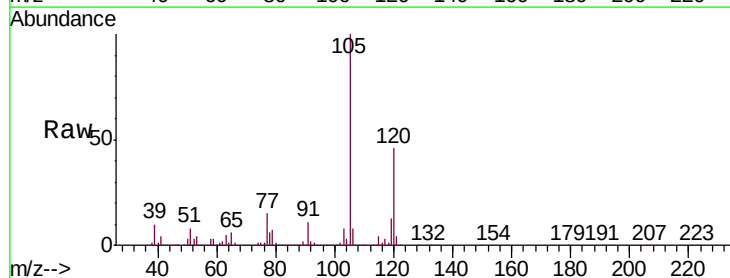
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025310

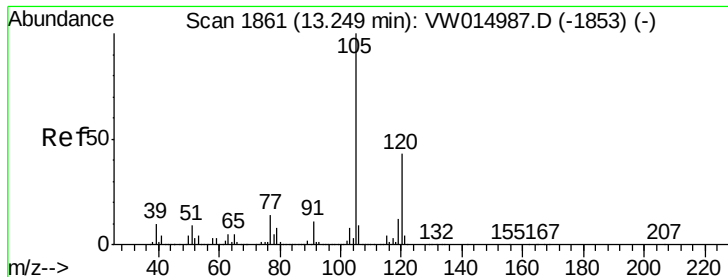
Tgt Ion: 75 Resp: 218806
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.8 38.6
 110 33.5 26.6 39.8



#62
 1,3,5-Trimethylbenzene
 Concen: 29.609 ug/L
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW014997.D
 Acq: 14 Feb 2020 15:55

Tgt Ion: 105 Resp: 1070945
 Ion Ratio Lower Upper
 105 100
 120 46.1 37.4 56.0

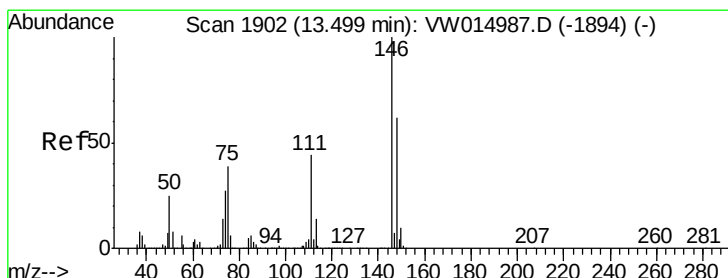
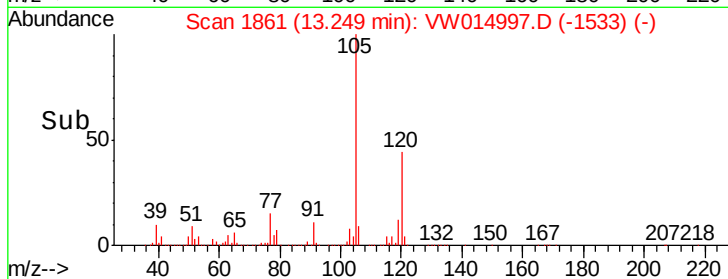
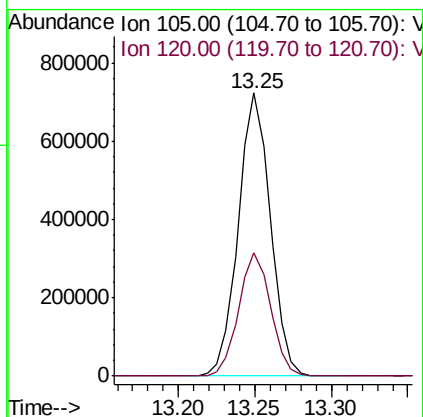
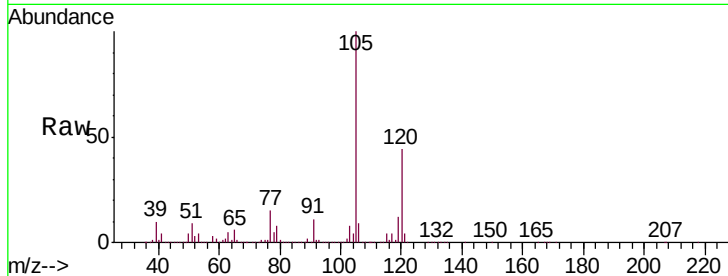




#63
 1,2,4-Trimethylbenzene
 Concen: 29.761 ug/L
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW014997.D
 Acq: 14 Feb 2020 15:55

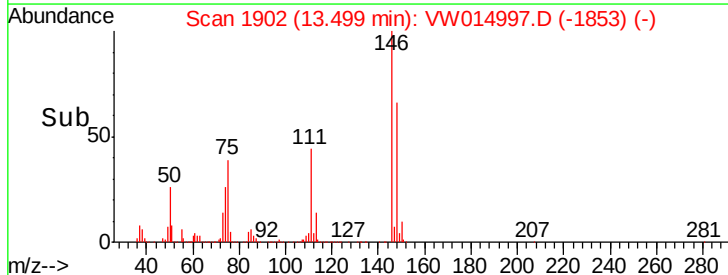
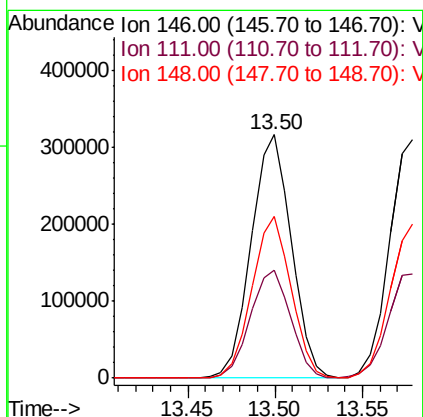
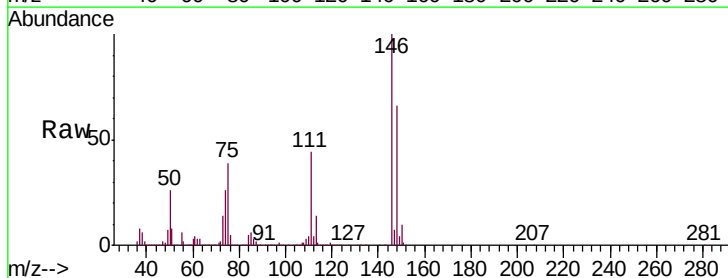
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025310

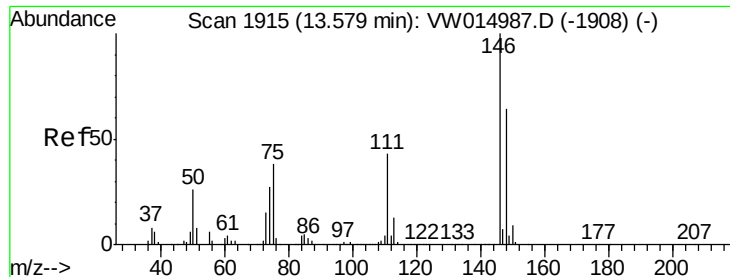
Tgt Ion:105 Resp: 1053096
 Ion Ratio Lower Upper
 105 100
 120 43.6 35.0 52.4



#64
 1,3-Dichlorobenzene
 Concen: 26.958 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW014997.D
 Acq: 14 Feb 2020 15:55

Tgt Ion:146 Resp: 504144
 Ion Ratio Lower Upper
 146 100
 111 44.3 30.2 56.0
 148 66.3 44.2 82.2

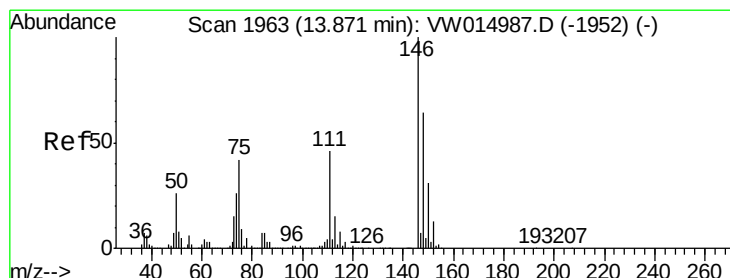
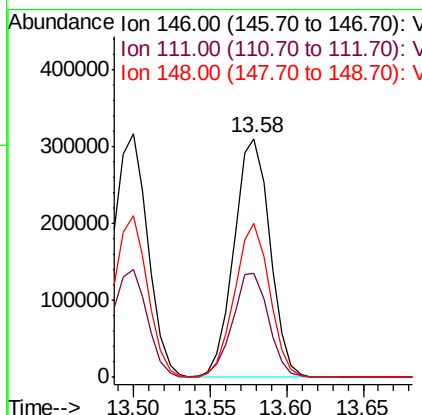
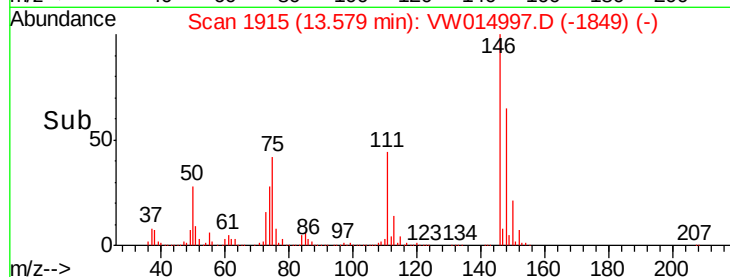
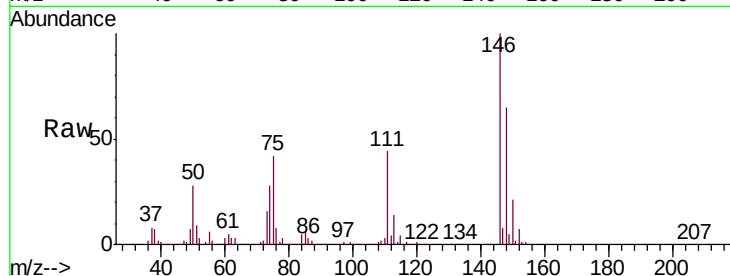




#65
 1,4-Dichlorobenzene
 Concen: 26.240 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW014997.D
 Acq: 14 Feb 2020 15:55

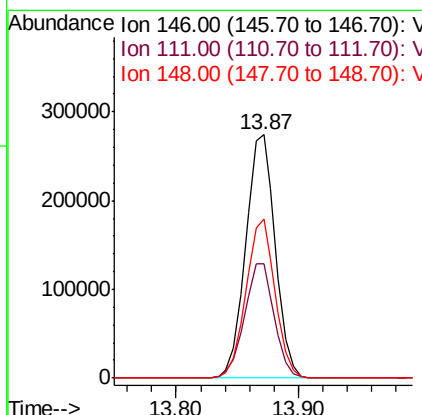
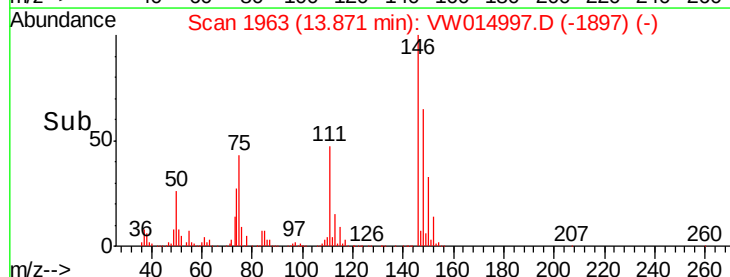
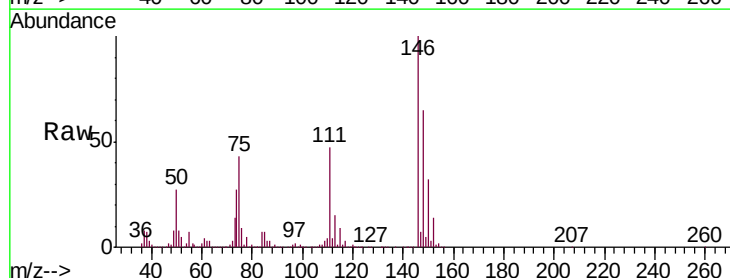
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025310

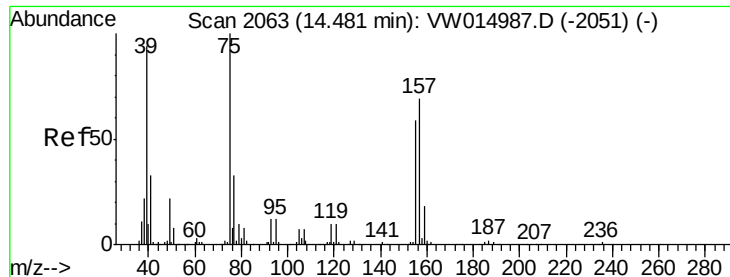
Tgt Ion:146 Resp: 505807
 Ion Ratio Lower Upper
 146 100
 111 43.7 29.5 54.9
 148 64.7 43.8 81.3



#67
 1,2-Dichlorobenzene
 Concen: 26.534 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW014997.D
 Acq: 14 Feb 2020 15:55

Tgt Ion:146 Resp: 459131
 Ion Ratio Lower Upper
 146 100
 111 47.2 38.0 57.0
 148 65.2 49.5 74.3





#68

1,2-Dibromo-3-chloropropane

Concen: 25.350 ug/L

RT: 14.48 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VW014997.D

Acq: 14 Feb 2020 15:55

Instrument :

MSVOA_W

ClientSampleId :

VSTD025310

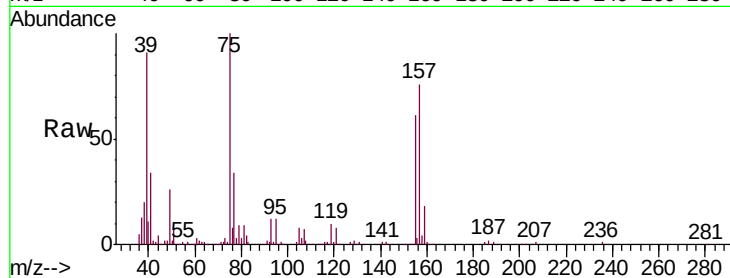
Tgt Ion: 75 Resp: 45020

Ion Ratio Lower Upper

75 100

155 61.0 48.0 72.0

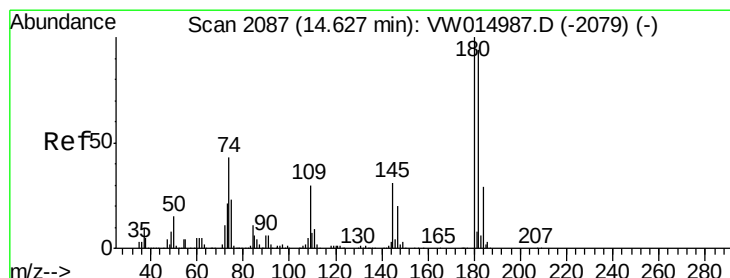
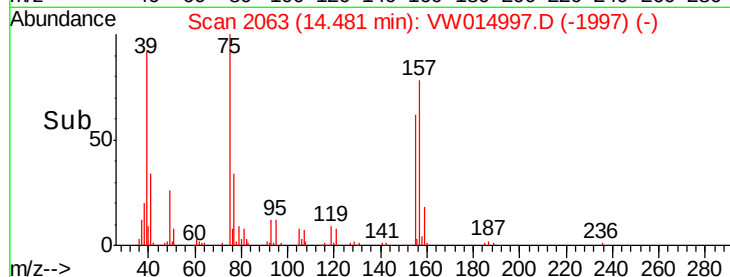
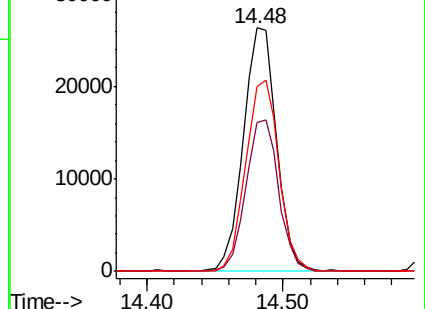
157 75.9 59.4 89.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V



#69

1,3,5-Trichlorobenzene

Concen: 27.350 ug/L

RT: 14.63 min Scan# 2087

Delta R.T. -0.00 min

Lab File: VW014997.D

Acq: 14 Feb 2020 15:55

Tgt Ion: 180 Resp: 342743

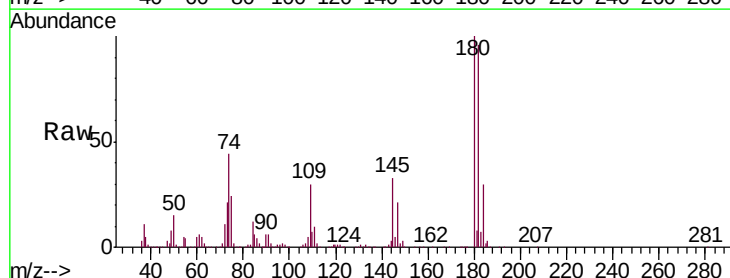
Ion Ratio Lower Upper

180 100

182 95.2 76.5 114.7

184 30.6 24.2 36.2

145 32.1 25.0 37.6

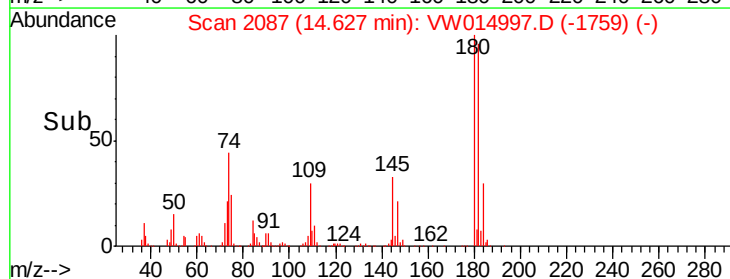
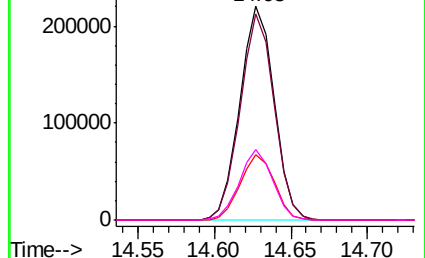


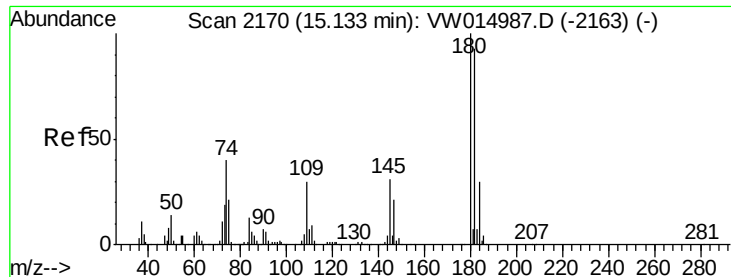
Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V

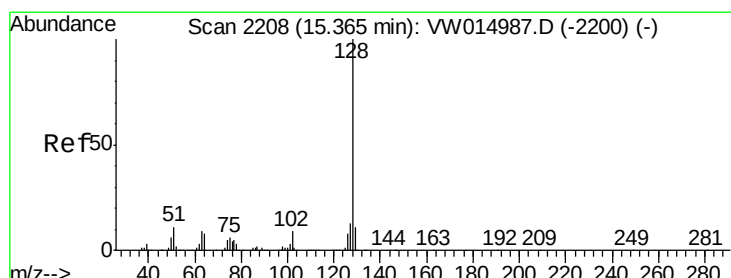
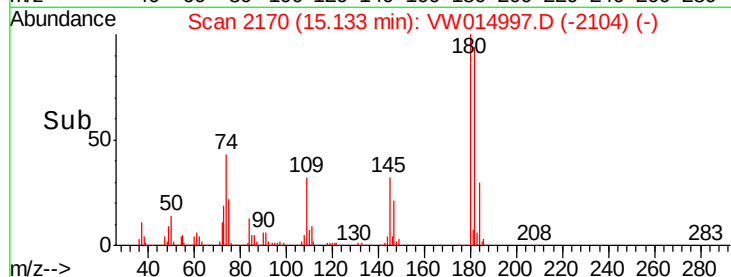
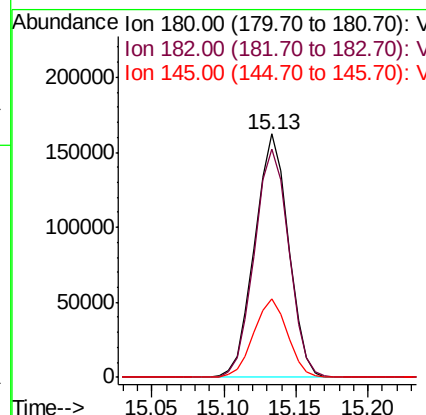
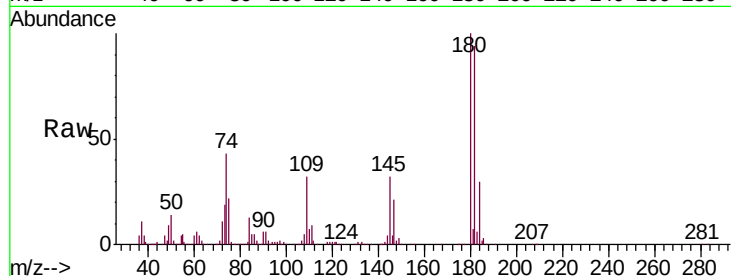




#70
1,2,4-trichlorobenzene
Concen: 27.990 ug/L
RT: 15.13 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VW014997.D
Acq: 14 Feb 2020 15:55

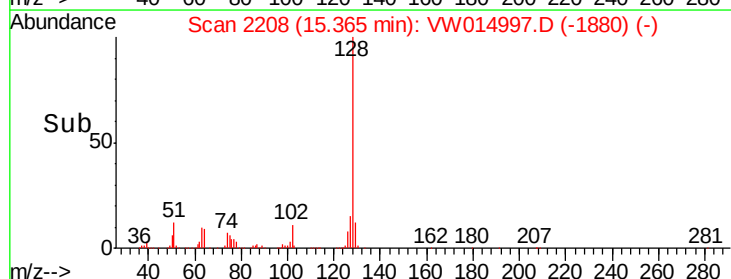
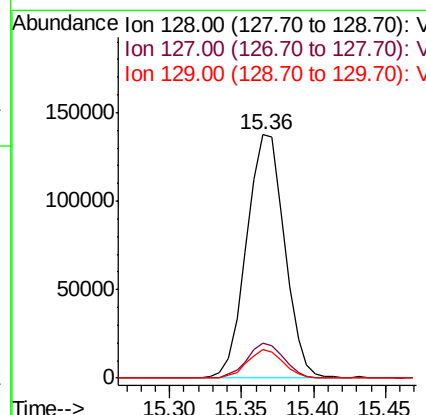
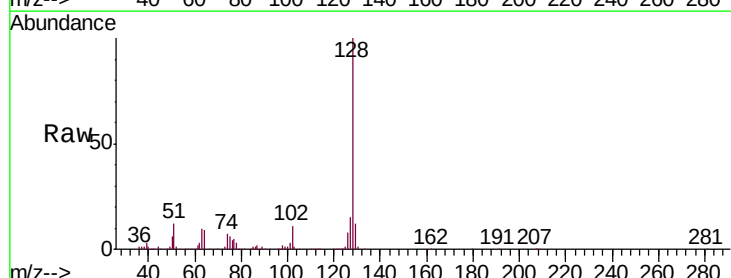
Instrument :
MSVOA_W
ClientSampleId :
VSTD025310

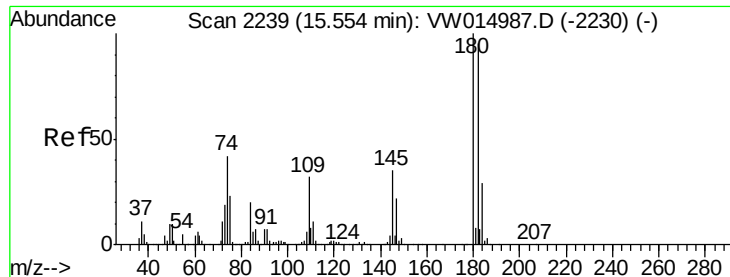
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.2	114.4
145	32.3	26.2	39.4



#71
Naphthalene
Concen: 26.061 ug/L
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW014997.D
Acq: 14 Feb 2020 15:55

Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.5	15.7
129	11.1	8.6	12.8

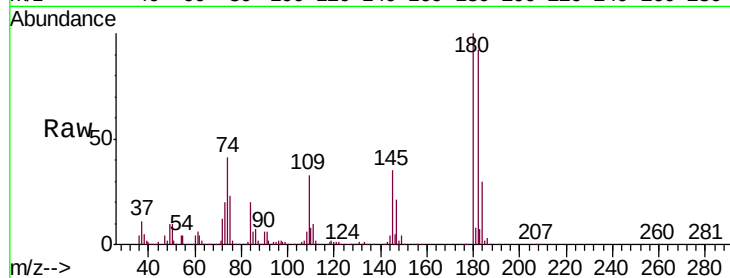




#72
 1,2,3-Trichlorobenzene
 Concen: 28.207 ug/L
 RT: 15.55 min Scan# 2239
 Delta R.T. -0.00 min
 Lab File: VW014997.D
 Acq: 14 Feb 2020 15:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025310

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.4	75.2	112.8
145	34.3	27.0	40.6



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

