

Data File : VW014102.D
Acq On : 22 Nov 2019 18:28
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02518

Quant Time: Nov 22 23:05:16 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 22 23:01:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	307428	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	301403	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	189576	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	94874	19.34	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.36%
7) Chloroethane-d5	2.89	69	82512	20.75	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.00%
10) 1,1-Dichloroethene-d2	4.03	63	212719	21.13	ug/L	0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	84.52%
20) 2-Butanone-d5	7.07	46	71804	50.39	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.78%
24) Chloroform-d	7.65	84	224797	23.78	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.12%
26) 1,2-Dichloroethane-d4	8.31	65	118042	24.84	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	99.36%
29) Benzene-d6	8.27	84	458221	21.43	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	85.72%
33) 1,2-Dichloropropane-d6	9.27	67	140468	22.42	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	89.68%
37) Toluene-d8	10.32	98	426300	21.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	84.08%
38) trans-1,3-Dichloropropene-	10.57	79	59406	22.14	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	88.56%
39) 2-Hexanone-d5	10.92	63	60739	51.13	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.26%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	117834	24.91	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	99.64%
61) 1,2-Dichlorobenzene-d4	13.85	152	163999	21.53	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	86.12%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	67056	18.341 ug/L	95
3) Chloromethane	2.21	50	63890	19.674 ug/L	97
5) Vinyl chloride	2.36	62	123592	24.374 ug/L	97
6) Bromomethane	2.78	94	77179	24.584 ug/L	100
8) Chloroethane	2.92	64	76167	25.253 ug/L	100
9) Trichlorofluoromethane	3.26	101	67080	19.401 ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	134388	26.322 ug/L #	87
12) 1,1-Dichloroethene	4.04	96	129020	24.860 ug/L	99
13) Acetone	4.11	43	67540	46.579 ug/L	98
14) Carbon disulfide	4.39	76	353738	23.948 ug/L	100
15) Methyl Acetate	4.67	43	61513	26.220 ug/L #	77
16) Methylene chloride	4.92	84	138797	23.451 ug/L	98
17) Methyl tert-butyl Ether	5.42	73	175974	26.283 ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	137956	25.491 ug/L	98
19) 1,1-Dichloroethane	6.21	63	244534	26.825 ug/L	99
21) 2-Butanone	7.17	43	93410	50.143 ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	150577	26.440 ug/L	97

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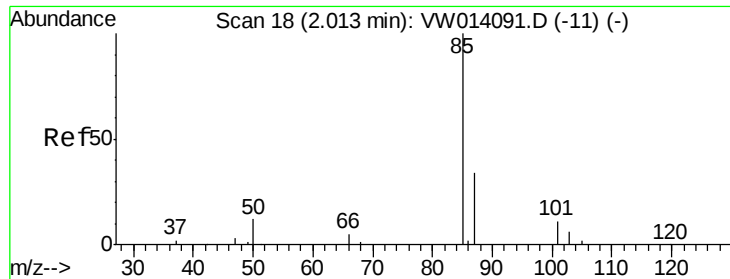
Quant Time: Nov 22 23:05:16 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 22 23:01:18 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	69412	27.766	ug/L	93
25) Chloroform	7.67	83	246562	27.543	ug/L	98
27) 1,2-Dichloroethane	8.40	62	159243	29.382	ug/L	97
30) Cyclohexane	7.95	56	222552	23.073	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	191167	25.309	ug/L	98
32) Carbon tetrachloride	8.06	117	182829	25.215	ug/L	100
34) Benzene	8.32	78	564418	25.530	ug/L	100
35) Trichloroethene	9.09	95	149141	25.290	ug/L	98
36) Methylcyclohexane	9.33	83	252627	23.892	ug/L	99
40) 1,2-Dichloropropane	9.37	63	141021	26.498	ug/L	100
41) Bromodichloromethane	9.64	83	176679	27.461	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	222408	26.482	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	187095	53.245	ug/L	99
44) Toluene	10.38	91	621084	25.767	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	180135	27.123	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	107363	27.456	ug/L	97
47) Tetrachloroethene	10.86	164	132088	25.129	ug/L	97
49) 2-Hexanone	10.97	43	139357	55.010	ug/L	98
50) Dibromochloromethane	11.13	129	127825	27.811	ug/L	99
51) 1,2-Dibromoethane	11.23	107	101926	26.865	ug/L	97
52) Chlorobenzene	11.65	112	391209	25.889	ug/L	96
53) Ethylbenzene	11.73	91	686357	25.949	ug/L	99
54) m,p-Xylene	11.83	106	267055	25.980	ug/L	98
55) o-xylene	12.16	106	252519	26.234	ug/L	99
56) Styrene	12.18	104	444053	27.308	ug/L	98
57) Isopropylbenzene	12.46	105	699161	26.417	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	128195	28.080	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	95464	27.803	ug/L	100
62) Bromoform	12.35	173	81256	26.155	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	328318	24.665	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	325511	24.750	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	297468	25.236	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.48	75	19854	24.732	ug/L	95
67) 1,3,5-Trichlorobenzene	14.63	180	260024	25.632	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	209305	26.240	ug/L	99
69) Naphthalene	15.36	128	363943	25.682	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	188026	26.710	ug/L	100

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

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#2

Dichlorodifluoromethane

Concen: 18.341 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

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MSVOA_W

ClientSampleId :

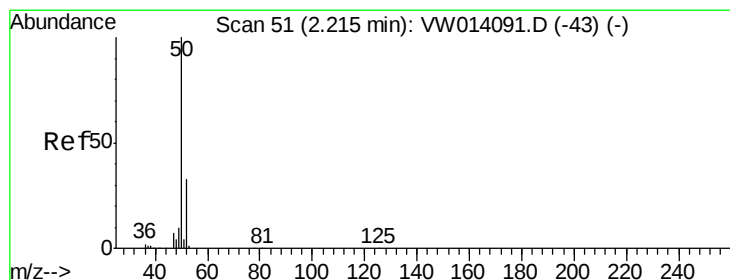
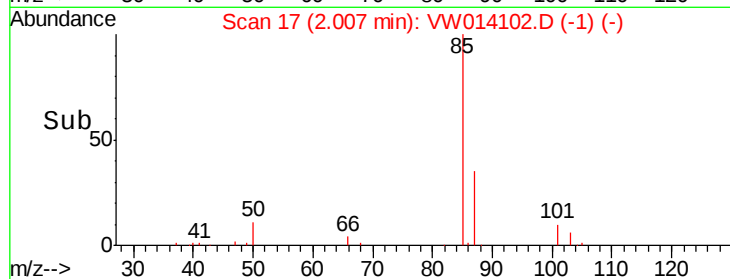
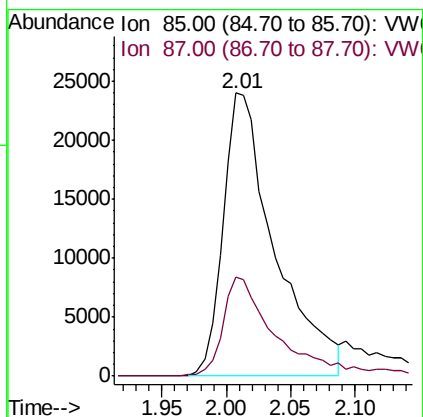
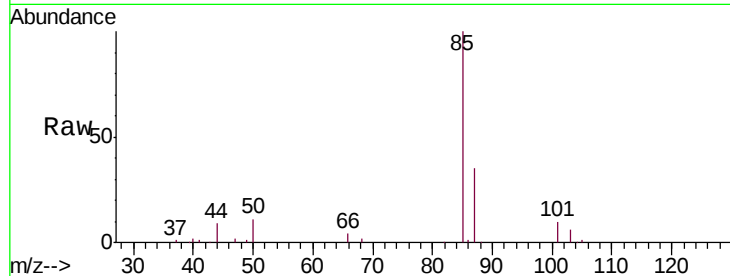
VSTD02518

Tgt Ion: 85 Resp: 67056

Ion Ratio Lower Upper

85 100

87 34.3 22.1 41.1



#3

Chloromethane

Concen: 19.674 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW014102.D

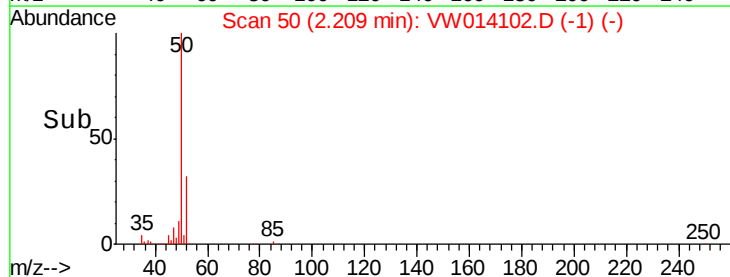
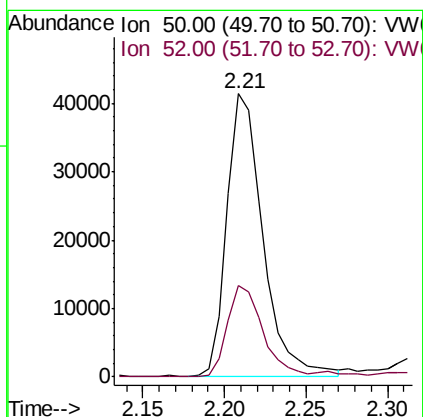
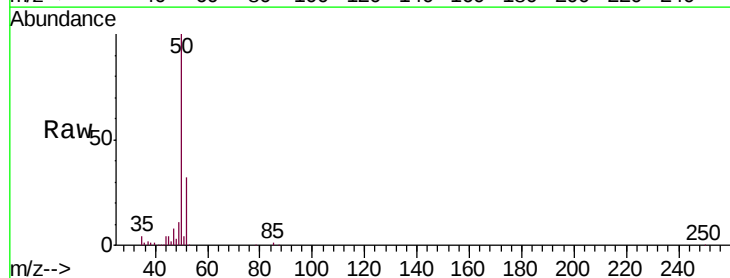
Acq: 22 Nov 2019 18:28

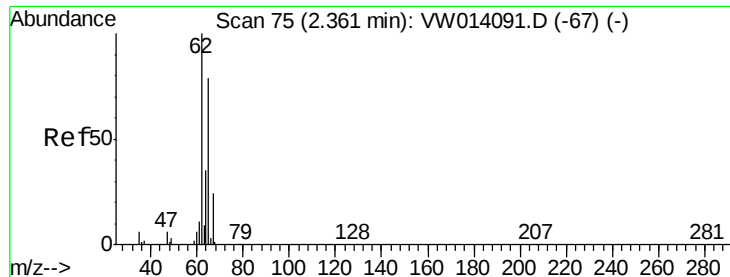
Tgt Ion: 50 Resp: 63890

Ion Ratio Lower Upper

50 100

52 32.4 23.8 44.2





#5

Vinyl chloride

Concen: 24.374 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW014102.D

Acq: 22 Nov 2019 18:28

Instrument :

MSVOA_W

ClientSampleId :

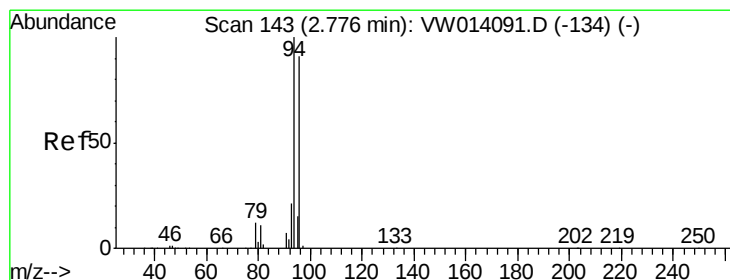
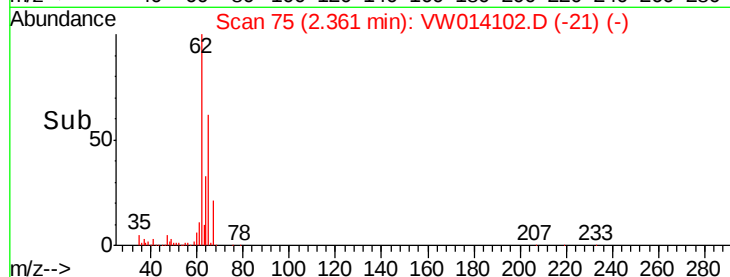
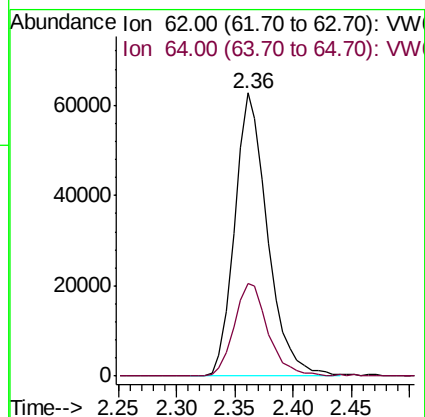
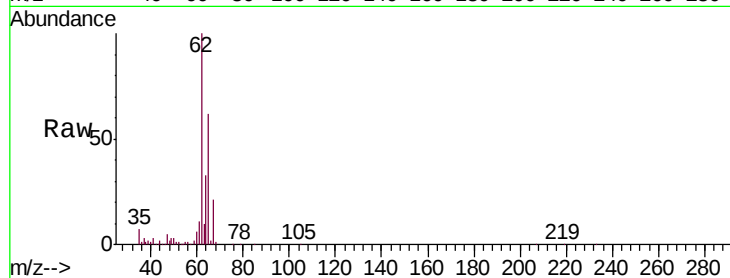
VSTD02518

Tgt Ion: 62 Resp: 123592

Ion Ratio Lower Upper

62 100

64 32.8 21.8 40.4



#6

Bromomethane

Concen: 24.584 ug/L

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW014102.D

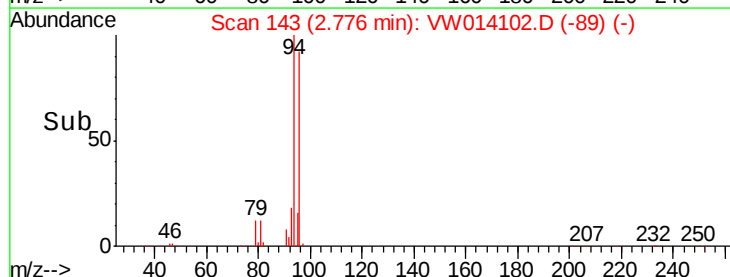
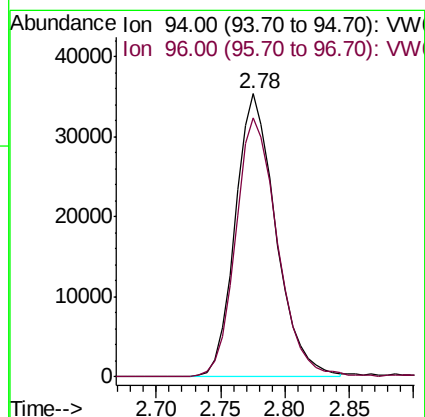
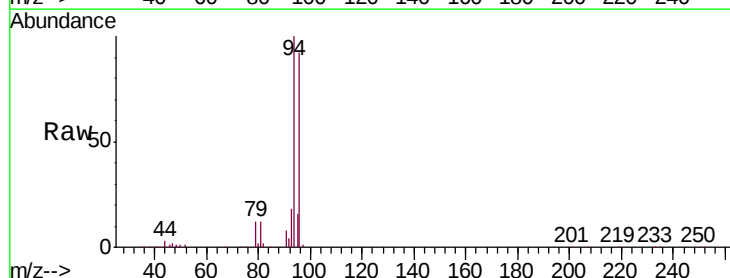
Acq: 22 Nov 2019 18:28

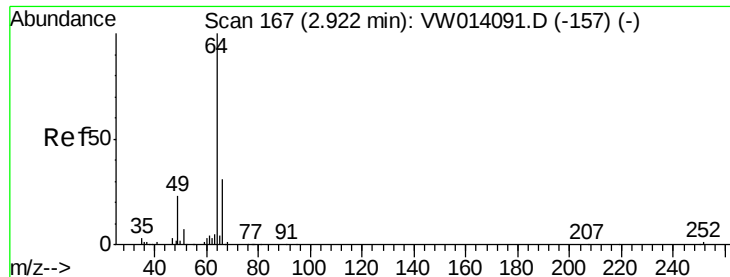
Tgt Ion: 94 Resp: 77179

Ion Ratio Lower Upper

94 100

96 94.5 9.4 178.8





#8

Chloroethane

Concen: 25.253 ug/L

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW014102.D

Acq: 22 Nov 2019 18:28

Instrument :

MSVOA_W

ClientSampleId :

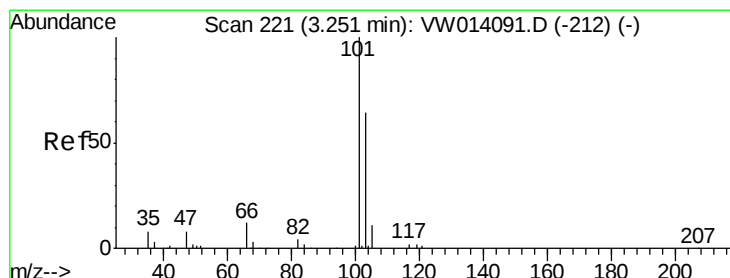
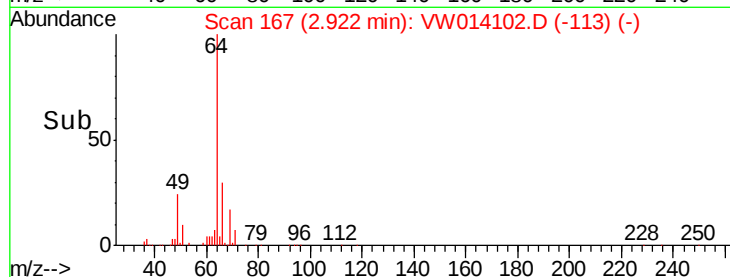
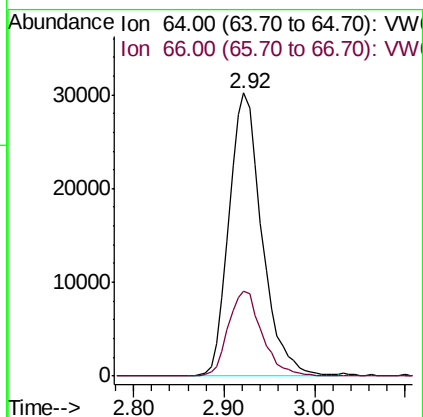
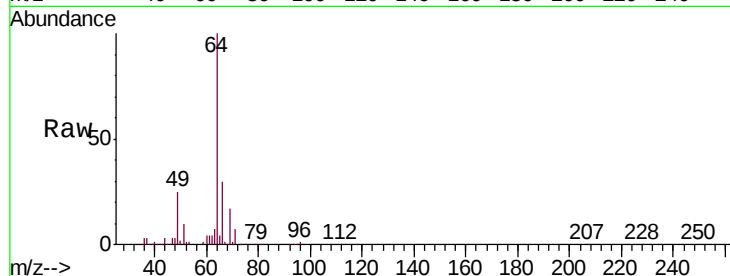
VSTD02518

Tgt Ion: 64 Resp: 76167

Ion Ratio Lower Upper

64 100

66 30.1 21.2 39.4



#9

Trichlorofluoromethane

Concen: 19.401 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.01 min

Lab File: VW014102.D

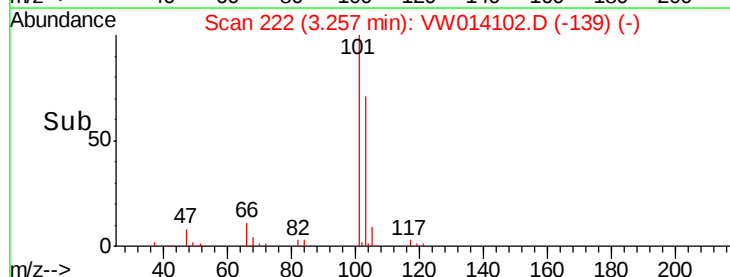
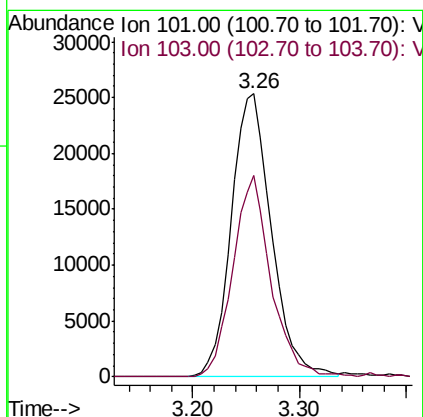
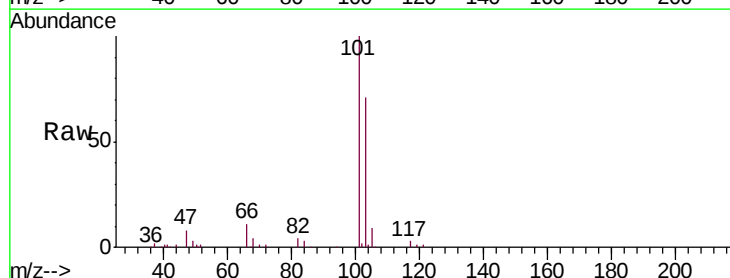
Acq: 22 Nov 2019 18:28

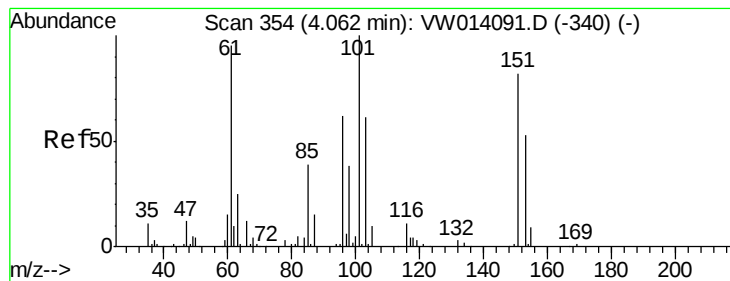
Tgt Ion: 101 Resp: 67080

Ion Ratio Lower Upper

101 100

103 66.9 45.4 84.2





#11

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 26.322 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW014102.D

Acq: 22 Nov 2019 18:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD02518

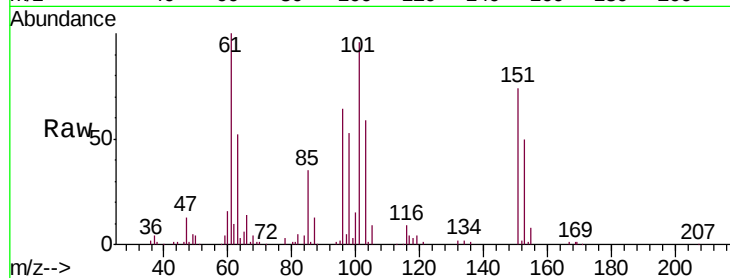
Tgt Ion: 101 Resp: 134388

Ion Ratio Lower Upper

101 100

85 19.0 31.4 47.2#

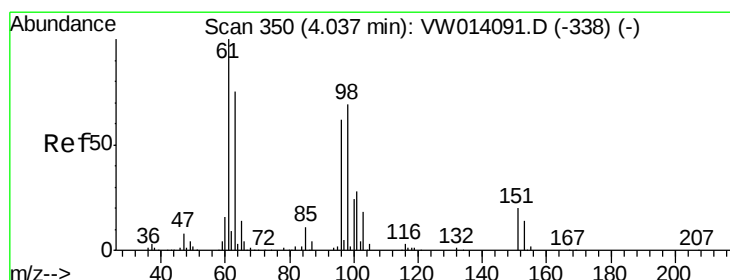
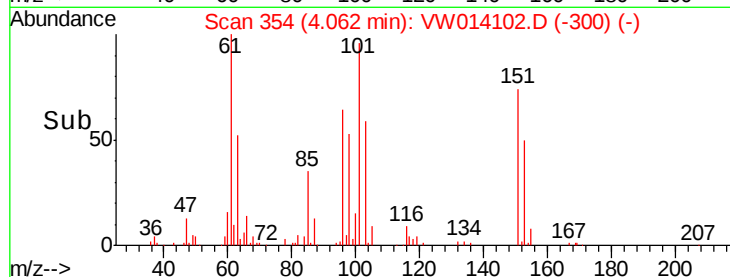
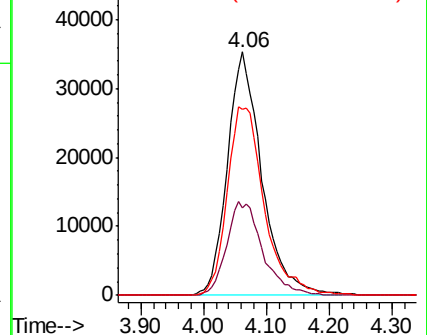
151 80.0 66.9 100.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 24.860 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW014102.D

Acq: 22 Nov 2019 18:28

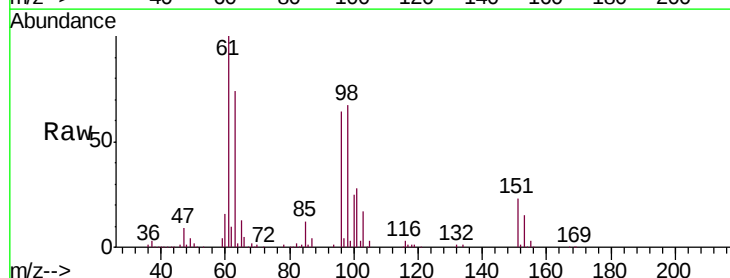
Tgt Ion: 96 Resp: 129020

Ion Ratio Lower Upper

96 100

61 155.8 109.8 204.0

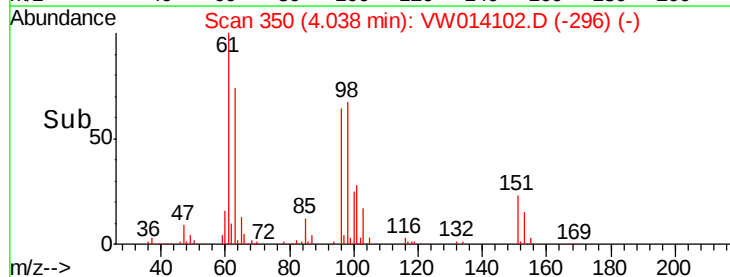
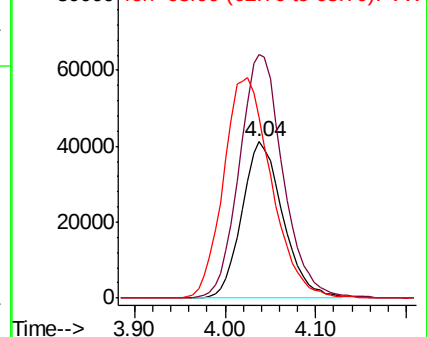
63 115.4 80.7 149.9

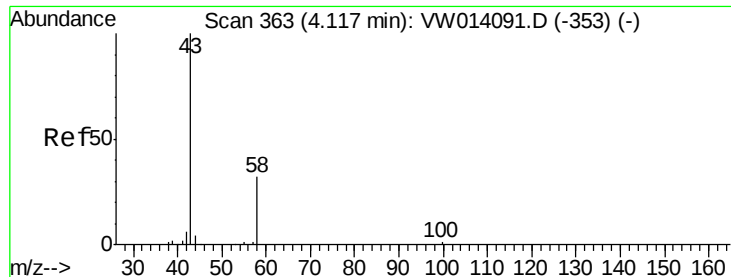


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 46.579 ug/L

RT: 4.11 min Scan# 362

Delta R.T. -0.01 min

Lab File: VW014102.D

Acq: 22 Nov 2019 18:28

Instrument :

MSVOA_W

ClientSampled :

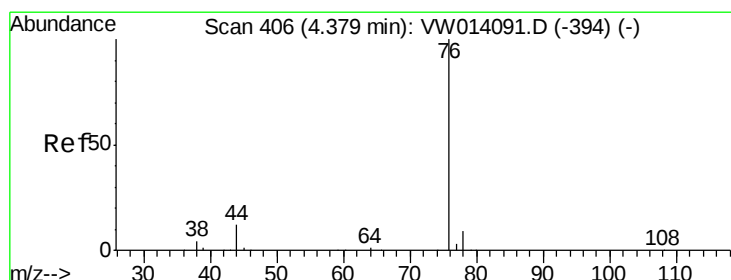
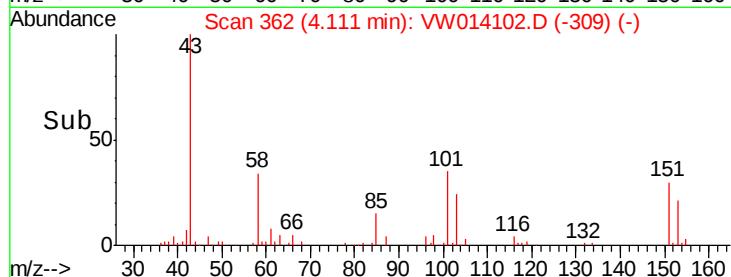
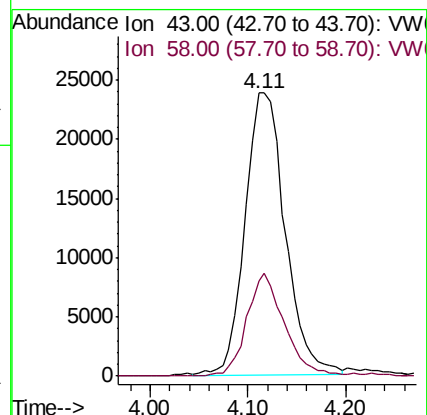
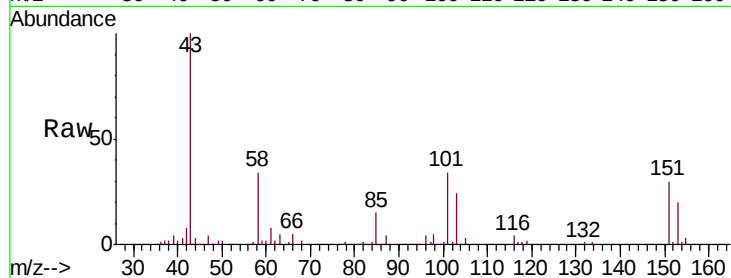
VSTD02518

Tgt Ion: 43 Resp: 67540

Ion Ratio Lower Upper

43 100

58 33.9 0.0 65.4



#14

Carbon disulfide

Concen: 23.948 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.01 min

Lab File: VW014102.D

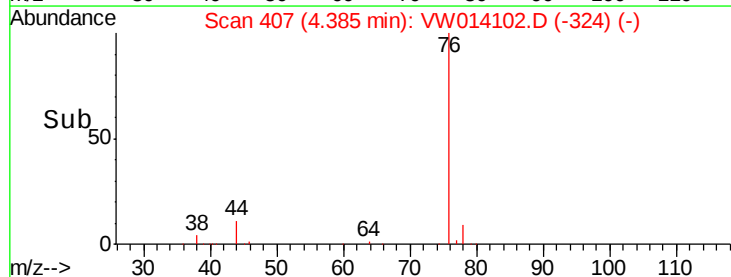
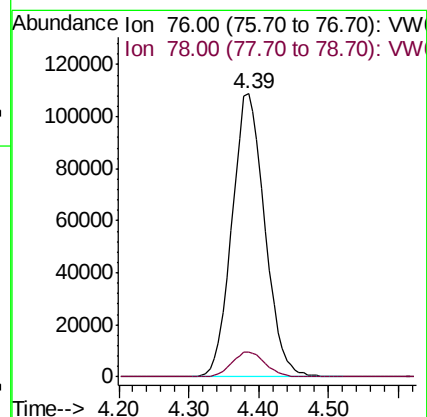
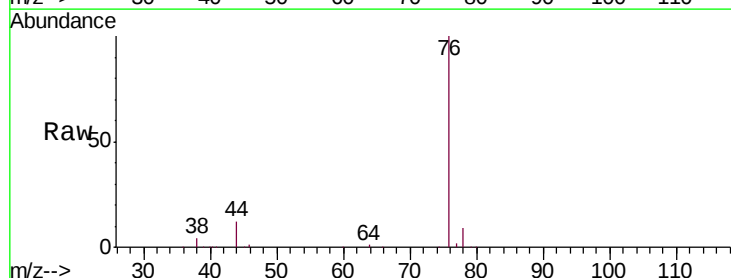
Acq: 22 Nov 2019 18:28

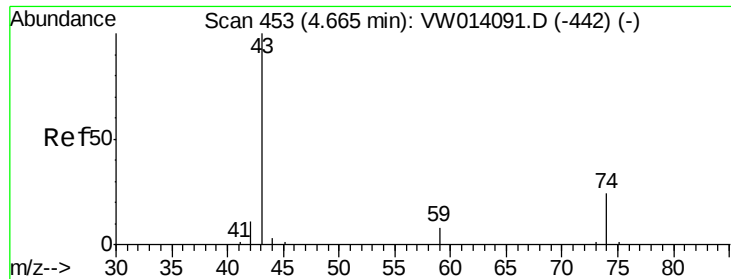
Tgt Ion: 76 Resp: 353738

Ion Ratio Lower Upper

76 100

78 8.9 7.2 10.8





#15

Methyl Acetate

Concen: 26.220 ug/L

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

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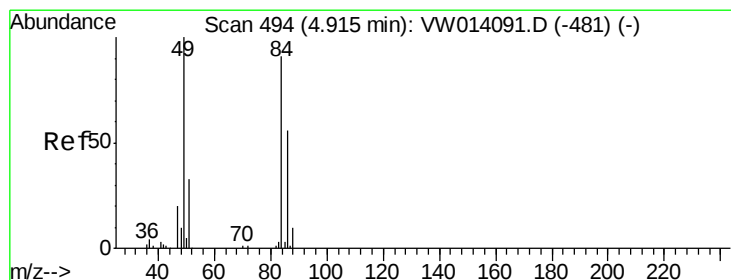
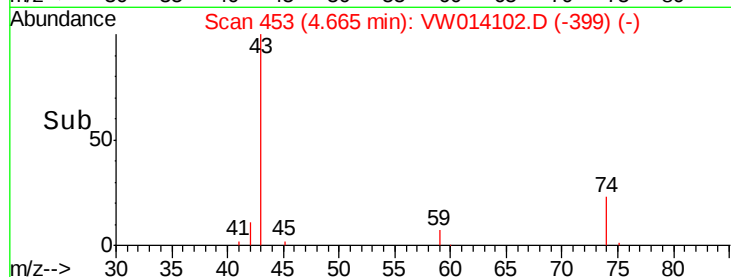
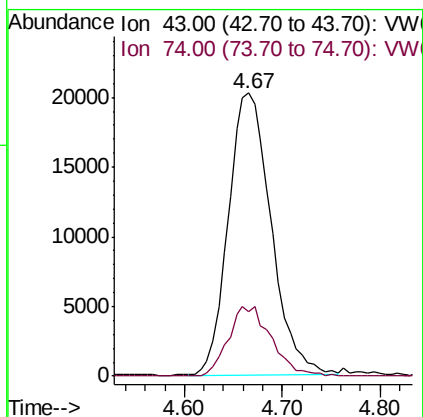
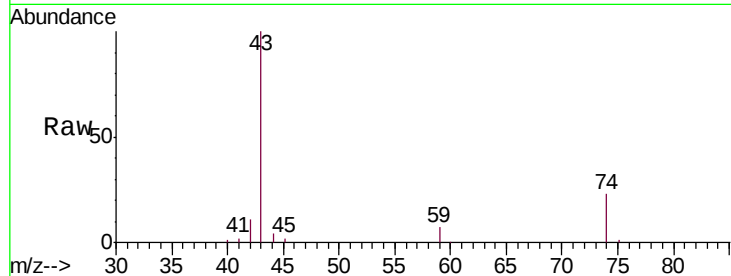
VSTD02518

Tgt Ion: 43 Resp: 61513

Ion Ratio Lower Upper

43 100

74 12.7 19.3 28.9#



#16

Methylene chloride

Concen: 23.451 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW014102.D

Acq: 22 Nov 2019 18:28

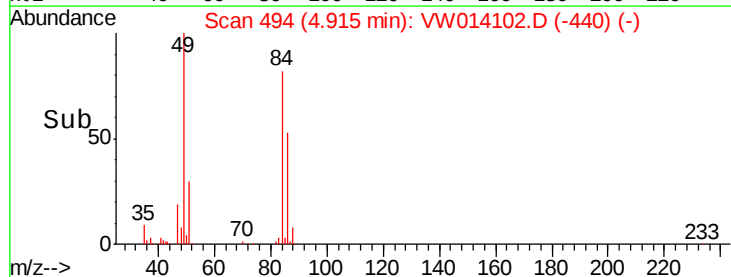
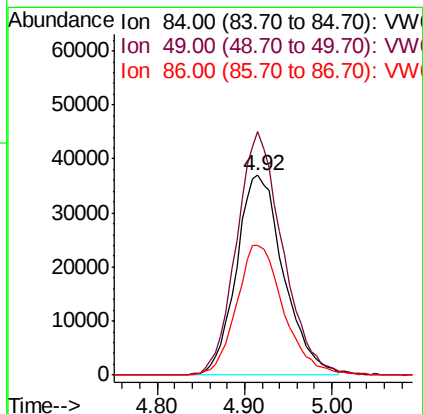
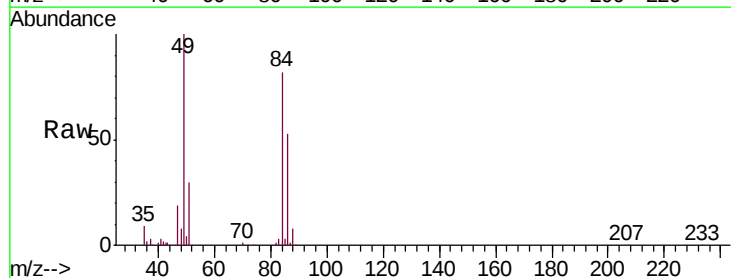
Tgt Ion: 84 Resp: 138797

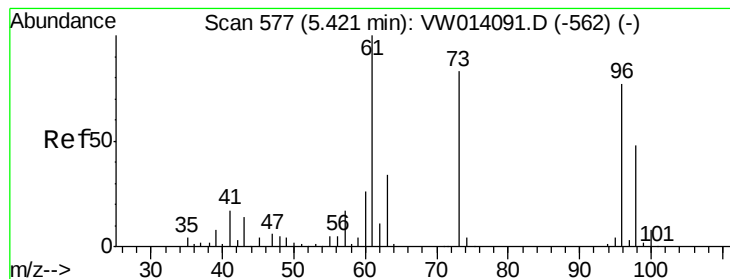
Ion Ratio Lower Upper

84 100

49 122.0 84.2 156.4

86 65.2 43.7 81.1





#17

Methyl tert-butyl Ether

Concen: 26.283 ug/L

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW014102.D

Acq: 22 Nov 2019 18:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD02518

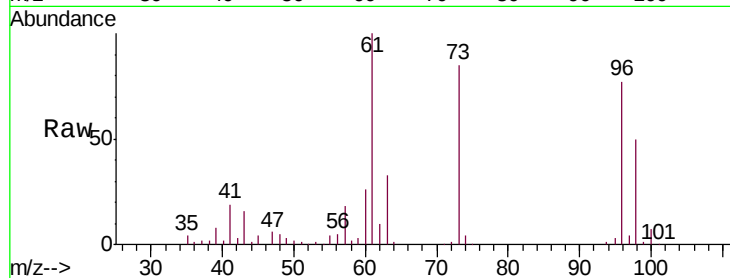
Tgt Ion: 73 Resp: 175974

Ion Ratio Lower Upper

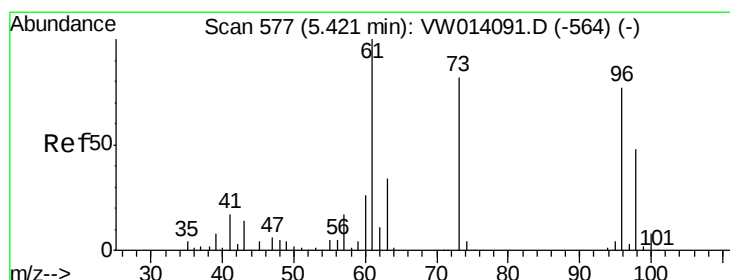
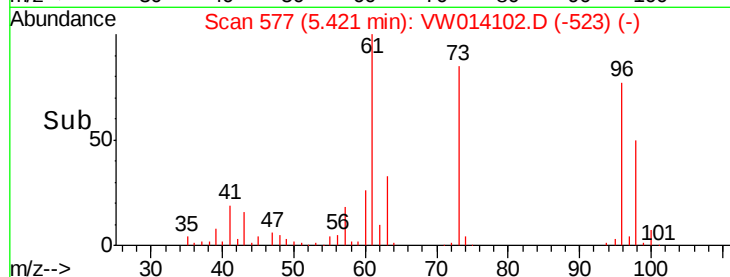
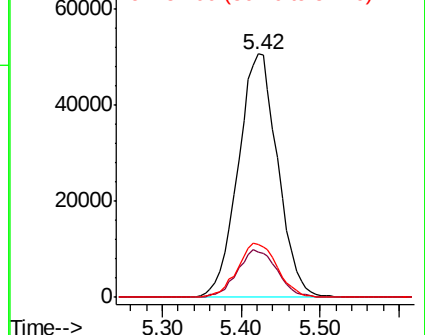
73 100

43 19.7 15.5 23.3

57 22.4 18.2 27.4



Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW



#18

trans-1,2-Dichloroethene

Concen: 25.491 ug/L

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW014102.D

Acq: 22 Nov 2019 18:28

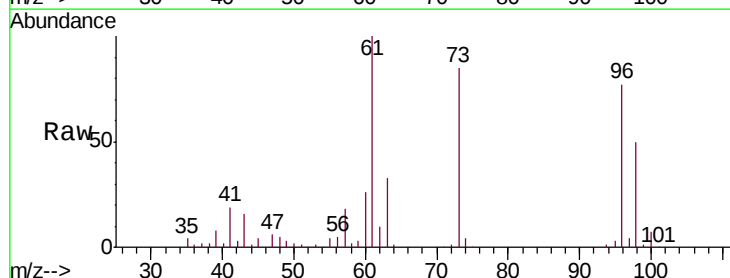
Tgt Ion: 96 Resp: 137956

Ion Ratio Lower Upper

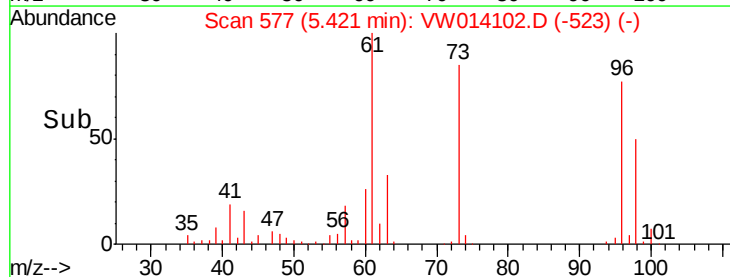
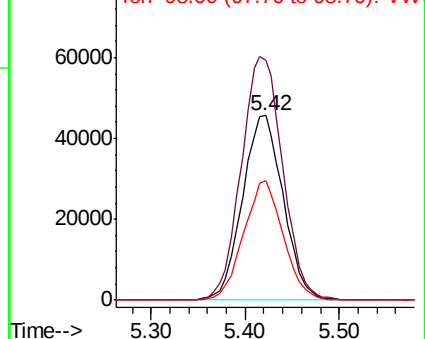
96 100

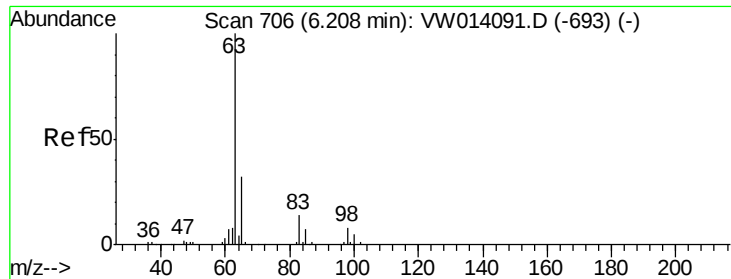
61 130.0 90.6 168.2

98 64.5 42.9 79.7



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

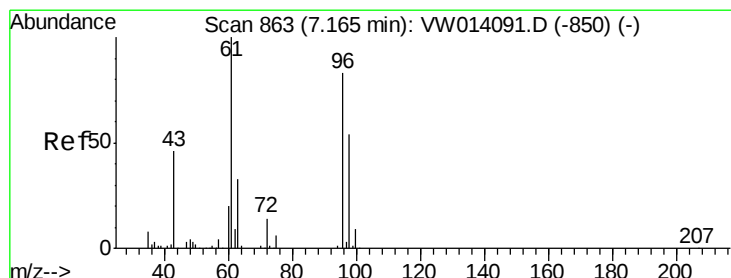
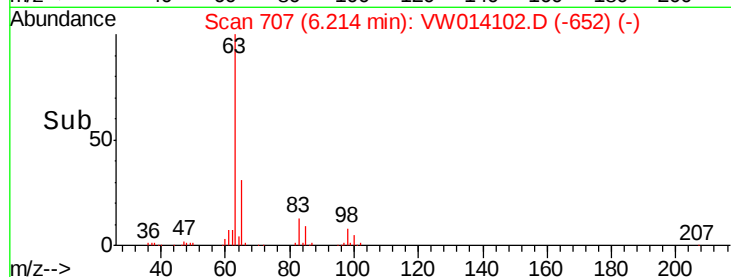
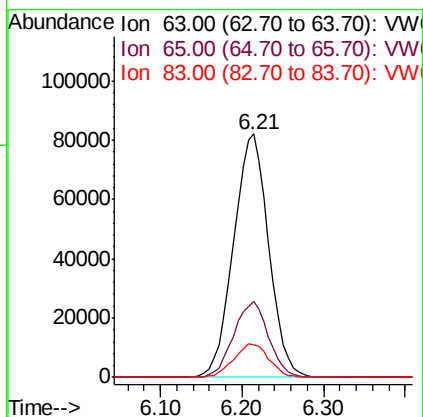
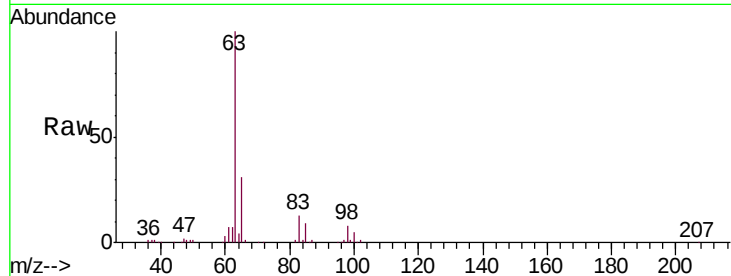




#19
 1,1-Dichloroethane
 Concen: 26.825 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. 0.01 min
 Lab File: VW014102.D
 Acq: 22 Nov 2019 18:28

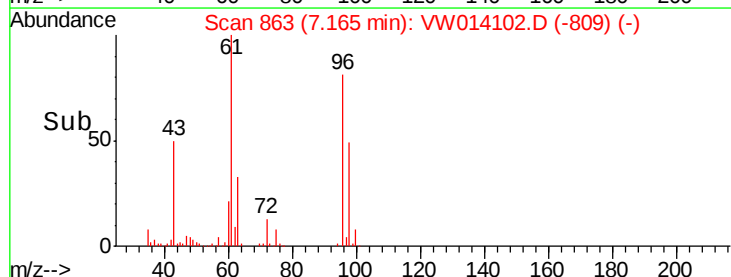
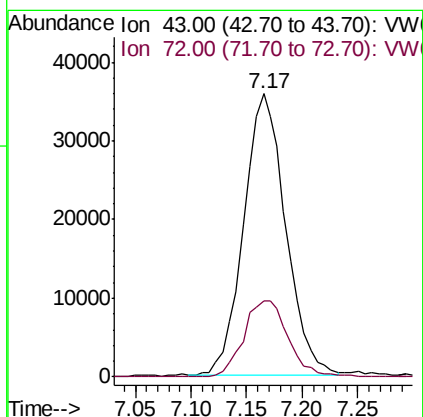
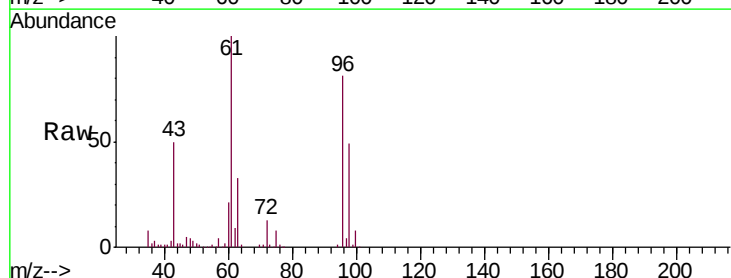
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02518

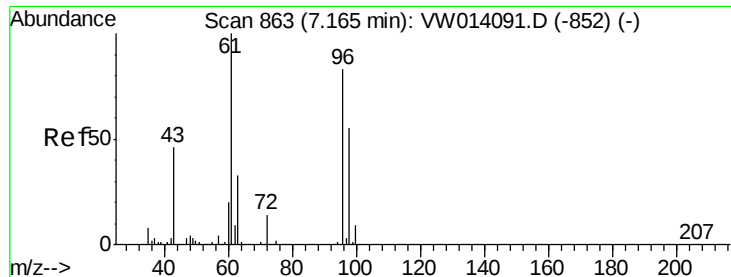
Tgt Ion: 63 Resp: 244534
 Ion Ratio Lower Upper
 63 100
 65 31.1 22.1 41.1
 83 13.1 9.0 16.6



#21
 2-Butanone
 Concen: 50.143 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW014102.D
 Acq: 22 Nov 2019 18:28

Tgt Ion: 43 Resp: 93410
 Ion Ratio Lower Upper
 43 100
 72 29.0 14.1 42.2



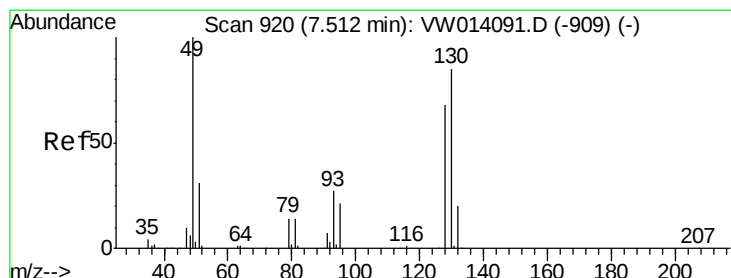
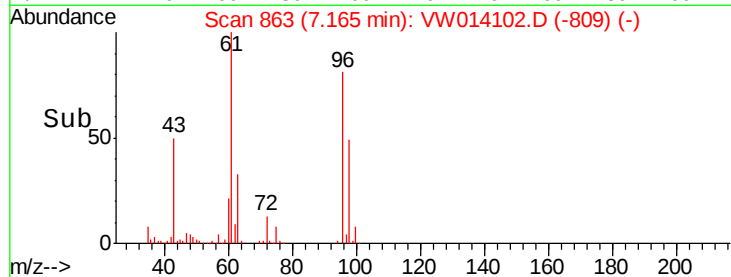
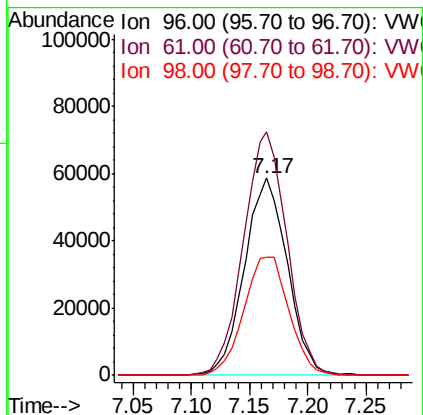
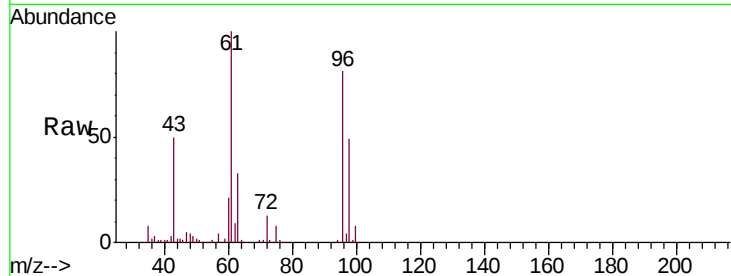


#22

cis-1,2-Dichloroethene
Concen: 26.440 ug/L
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW014102.D
Acq: 22 Nov 2019 18:28

Instrument :
MSVOA_W
ClientSampleId :
VSTD02518

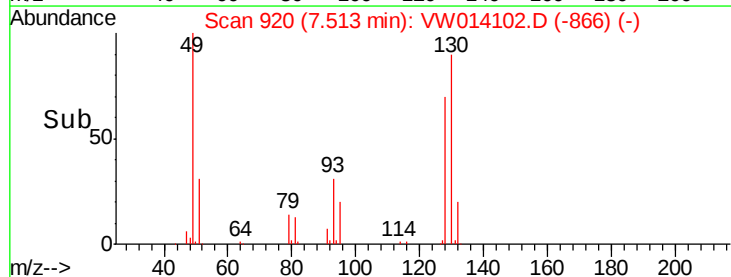
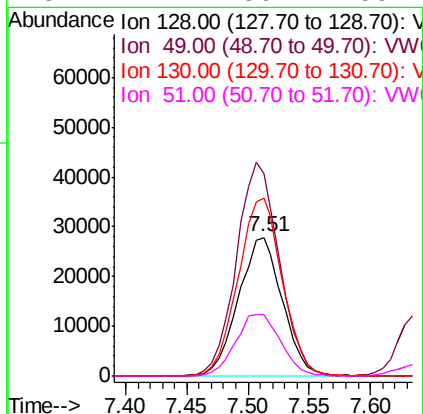
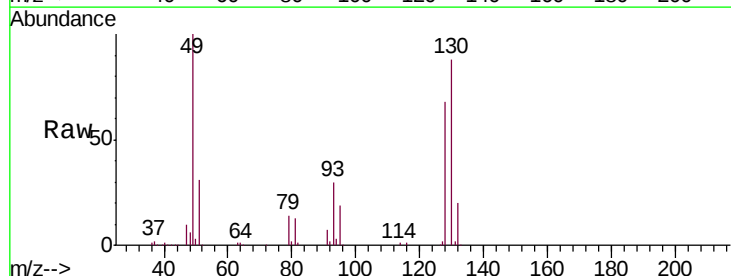
Tgt Ion: 96 Resp: 150577
Ion Ratio Lower Upper
96 100
61 123.5 86.9 161.5
98 60.2 45.5 84.5

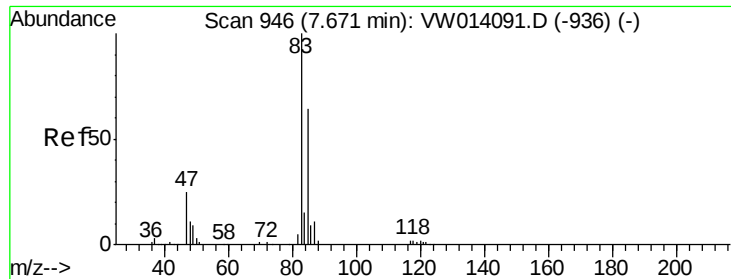


#23

Bromochloromethane
Concen: 27.766 ug/L
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW014102.D
Acq: 22 Nov 2019 18:28

Tgt Ion: 128 Resp: 69412
Ion Ratio Lower Upper
128 100
49 146.3 95.1 176.5
130 128.7 85.0 158.0
51 44.7 36.7 55.1

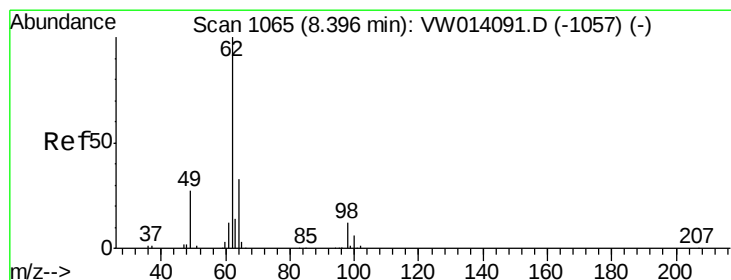
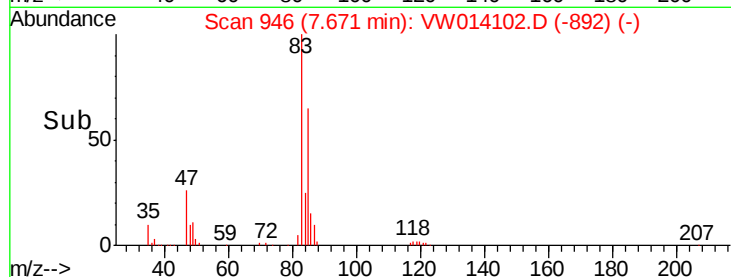
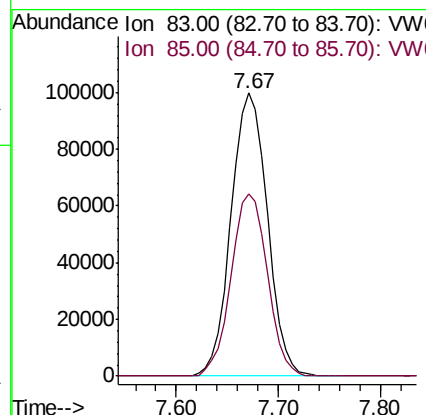
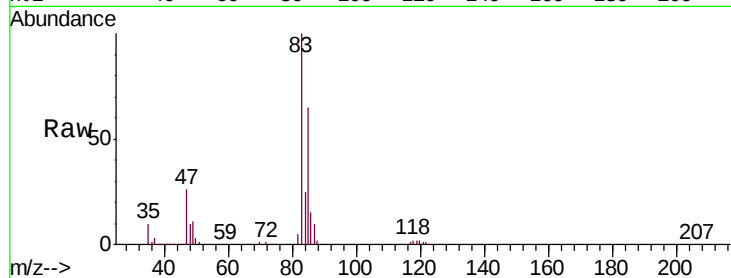




#25
Chloroform
Concen: 27.543 ug/L
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW014102.D
Acq: 22 Nov 2019 18:28

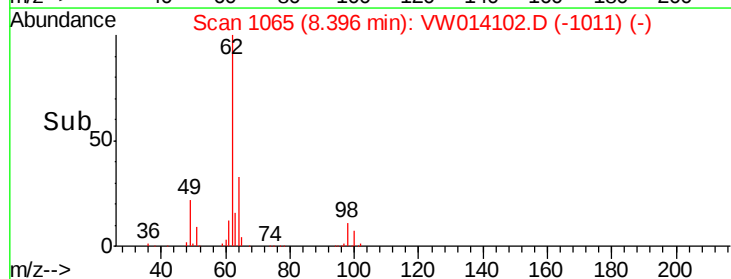
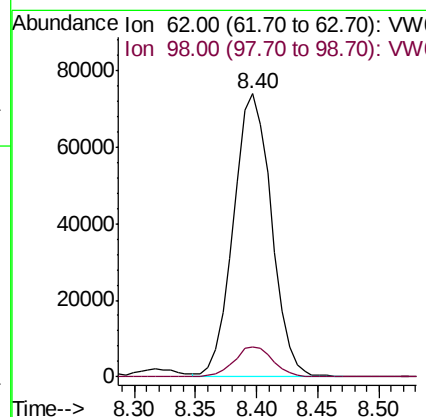
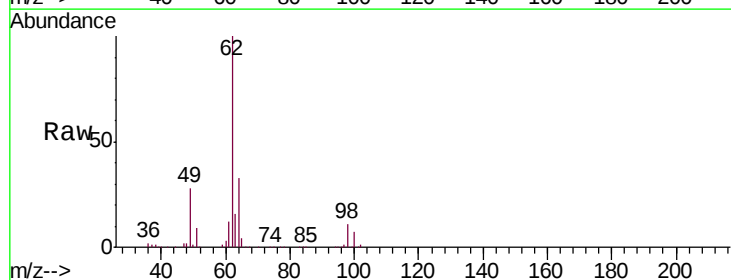
Instrument :
MSVOA_W
ClientSampled :
VSTD02518

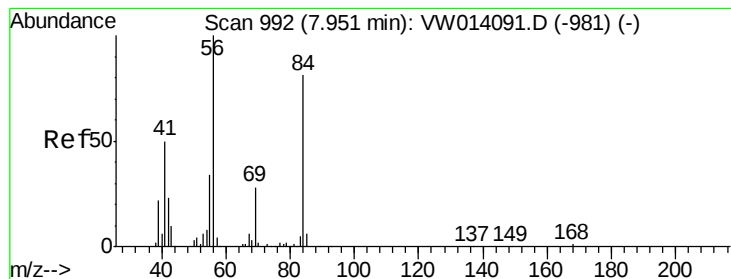
Tgt Ion: 83 Resp: 246562
Ion Ratio Lower Upper
83 100
85 64.4 46.1 85.7



#27
1,2-Dichloroethane
Concen: 29.382 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW014102.D
Acq: 22 Nov 2019 18:28

Tgt Ion: 62 Resp: 159243
Ion Ratio Lower Upper
62 100
98 10.5 9.3 13.9





#30

Cyclohexane

Concen: 23.073 ug/L

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW014102.D

Acq: 22 Nov 2019 18:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD02518

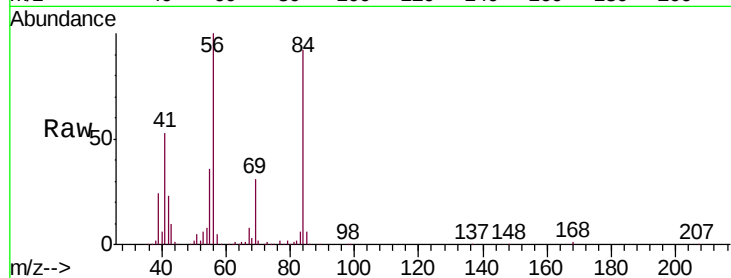
Tgt Ion: 56 Resp: 222552

Ion Ratio Lower Upper

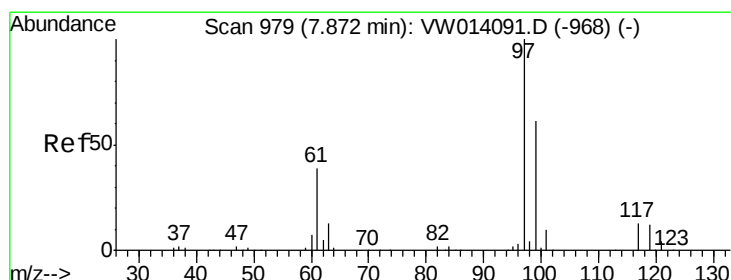
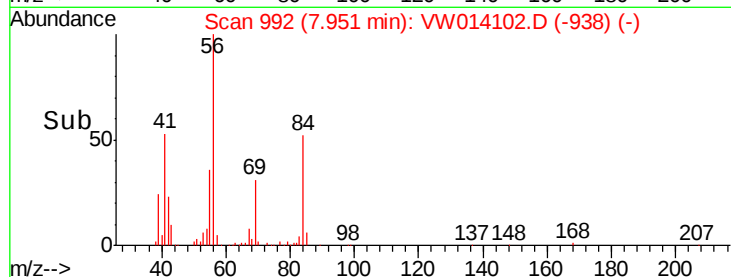
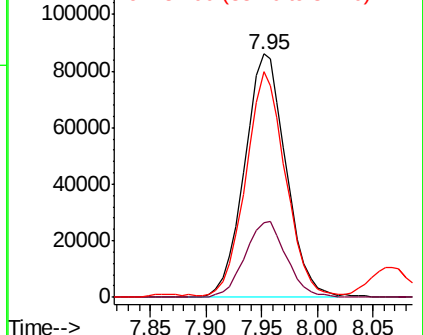
56 100

69 31.2 24.6 37.0

84 89.4 70.2 105.2



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



#31

1,1,1-Trichloroethane

Concen: 25.309 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW014102.D

Acq: 22 Nov 2019 18:28

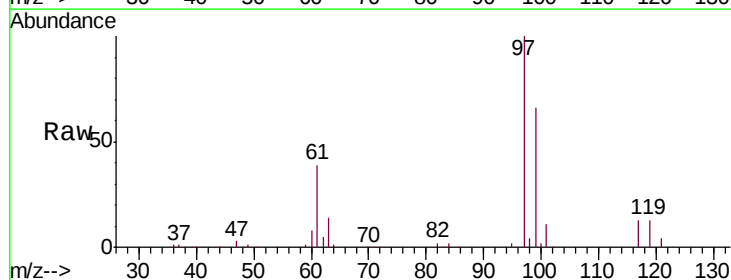
Tgt Ion: 97 Resp: 191167

Ion Ratio Lower Upper

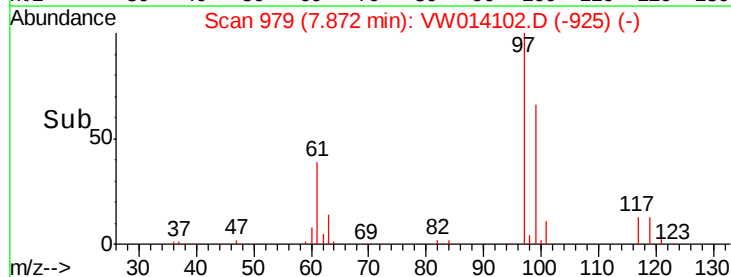
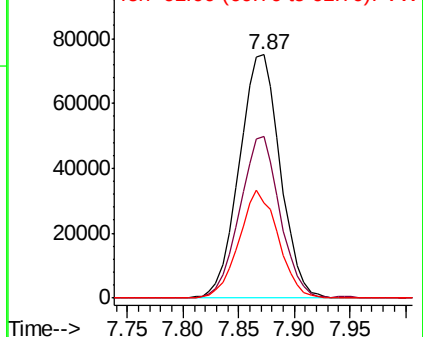
97 100

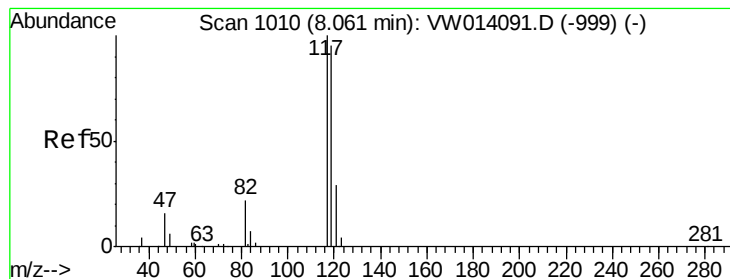
99 65.2 51.1 76.7

61 42.5 32.8 49.2



Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 99.00 (98.70 to 99.70): VW
Ion 61.00 (60.70 to 61.70): VW





#32

Carbon tetrachloride

Concen: 25.215 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VW014102.D

Acq: 22 Nov 2019 18:28

Instrument :

MSVOA_W

ClientSampleId :

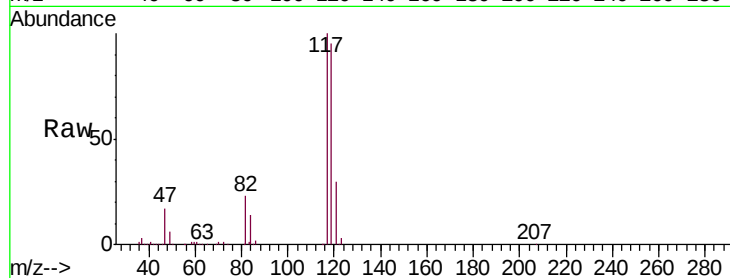
VSTD02518

Tgt Ion: 117 Resp: 182829

Ion Ratio Lower Upper

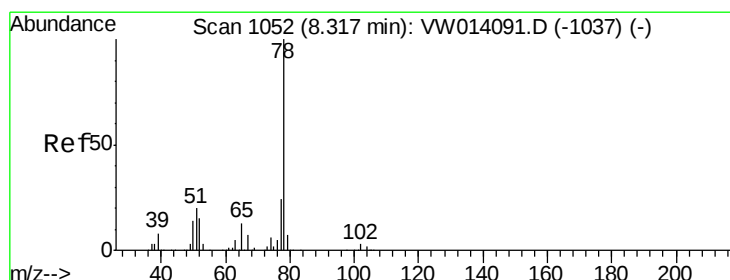
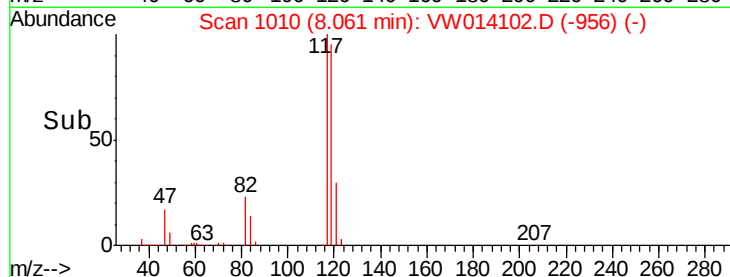
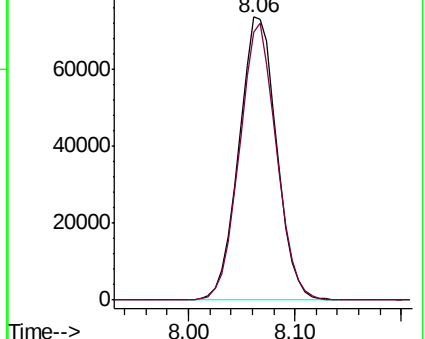
117 100

119 95.9 76.7 115.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 25.530 ug/L

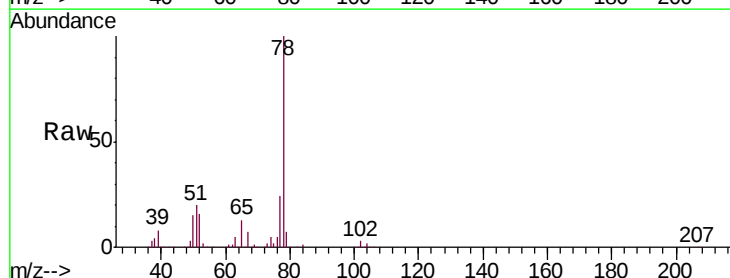
RT: 8.32 min Scan# 1052

Delta R.T. 0.00 min

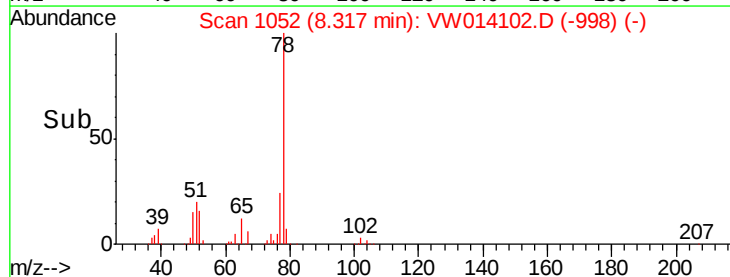
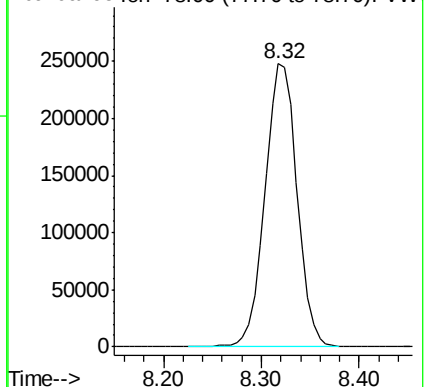
Lab File: VW014102.D

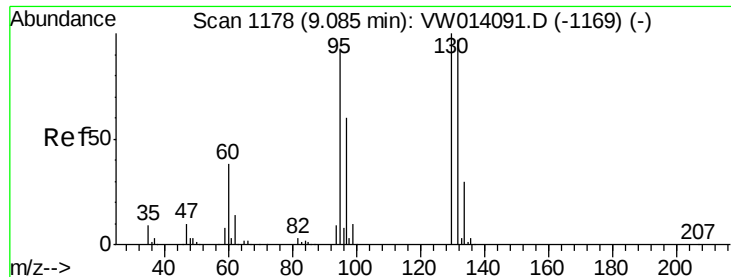
Acq: 22 Nov 2019 18:28

Tgt Ion: 78 Resp: 564418



Abundance Ion 78.00 (77.70 to 78.70): VW

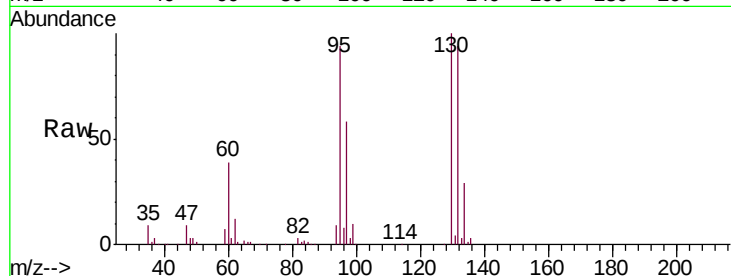




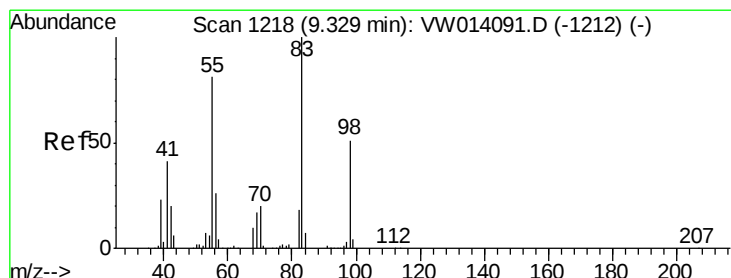
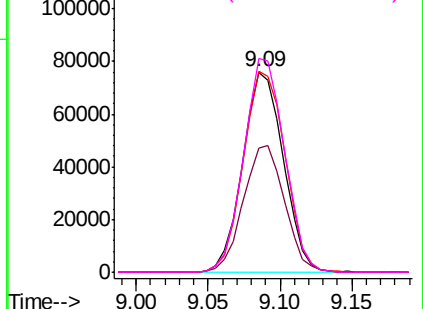
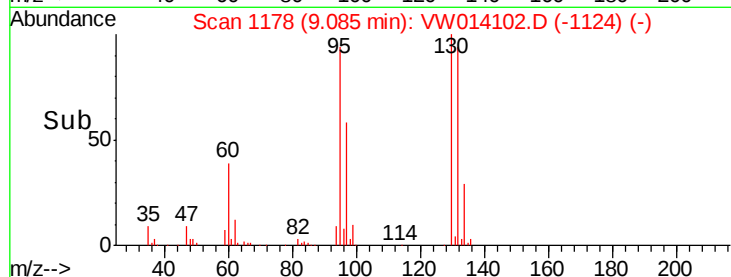
#35
 Trichloroethene
 Concen: 25.290 ug/L
 RT: 9.09 min Scan# 1178
 Delta R.T. 0.00 min
 Lab File: VW014102.D
 Acq: 22 Nov 2019 18:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02518

Tgt Ion:	95	Resp:	149141
Ion	Ratio	Lower	Upper
95	100		
97	63.9	45.1	83.9
132	102.8	73.7	136.9
130	107.4	76.6	142.2

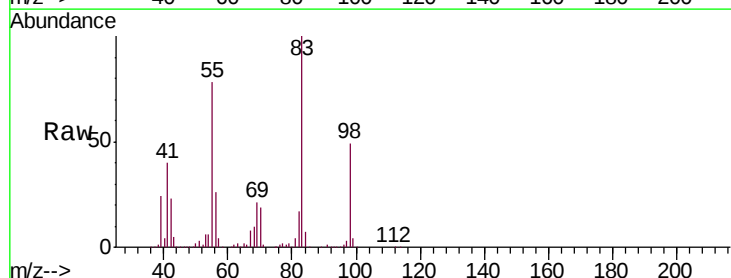


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

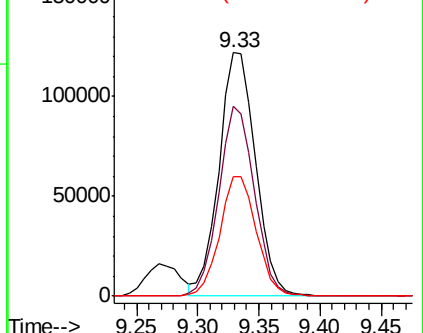
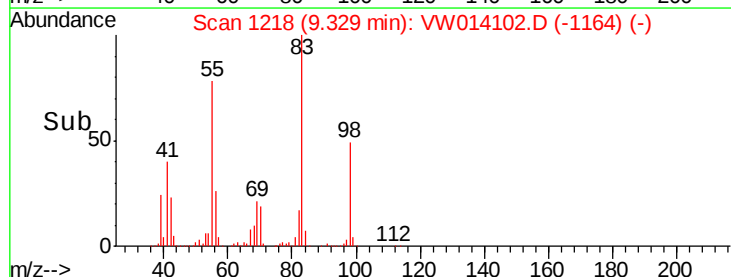


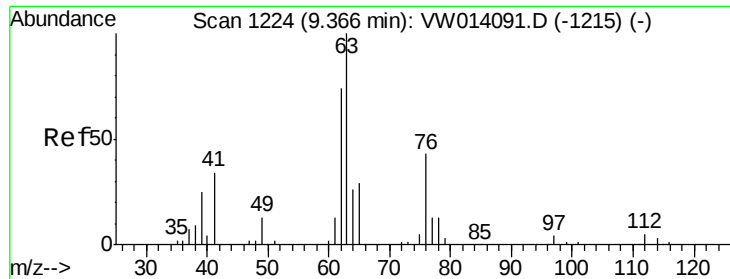
#36
 Methylcyclohexane
 Concen: 23.892 ug/L
 RT: 9.33 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VW014102.D
 Acq: 22 Nov 2019 18:28

Tgt Ion:	83	Resp:	252627
Ion	Ratio	Lower	Upper
83	100		
55	76.3	59.8	89.8
98	48.9	39.5	59.3



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

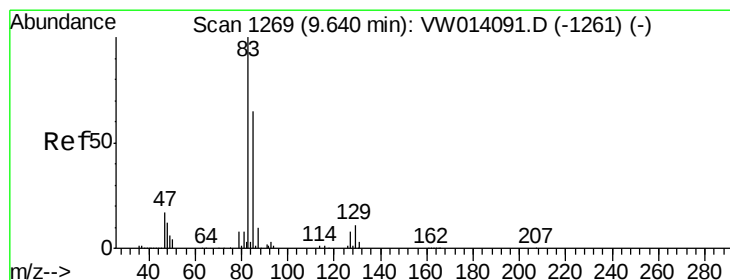
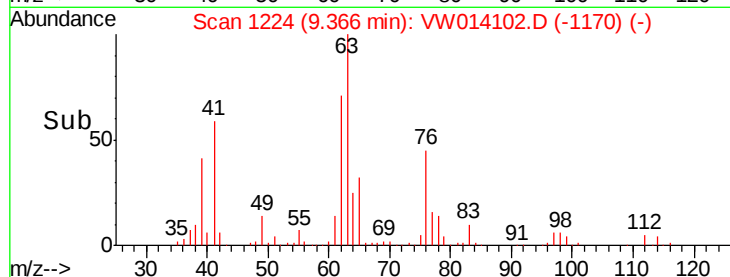
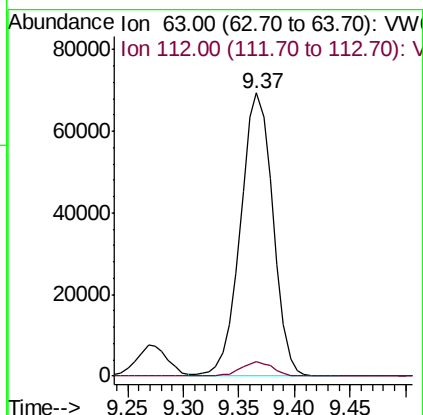
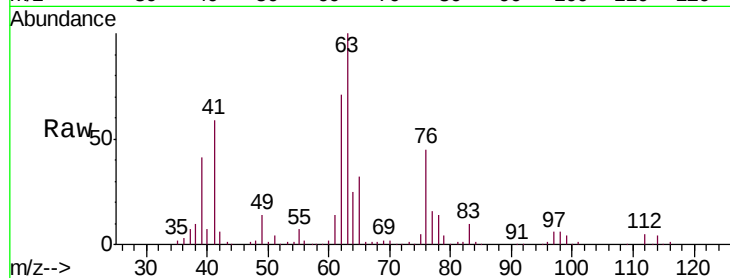




#40
 1,2-Dichloropropane
 Concen: 26.498 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW014102.D
 Acq: 22 Nov 2019 18:28

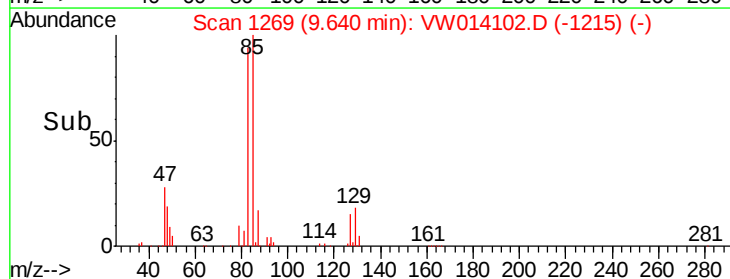
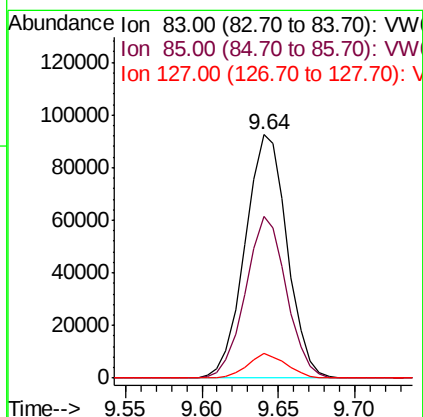
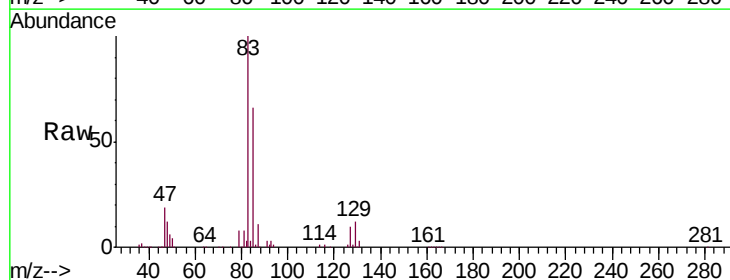
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02518

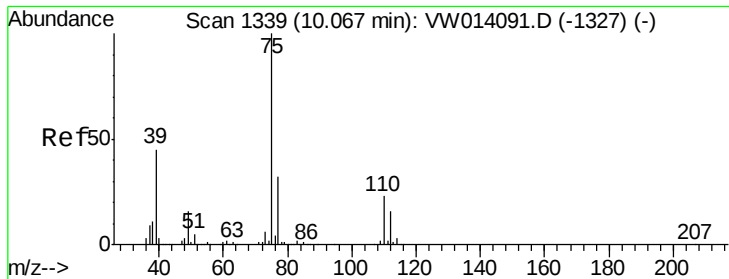
Tgt Ion: 63 Resp: 141021
 Ion Ratio Lower Upper
 63 100
 112 5.0 3.9 5.9



#41
 Bromodichloromethane
 Concen: 27.461 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW014102.D
 Acq: 22 Nov 2019 18:28

Tgt Ion: 83 Resp: 176679
 Ion Ratio Lower Upper
 83 100
 85 66.2 45.1 83.7
 127 10.1 7.4 11.0





#42

cis-1,3-Dichloropropene

Concen: 26.482 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.01 min

Lab File: VW014102.D

Acq: 22 Nov 2019 18:28

Instrument :

MSVOA_W

ClientSampleId :

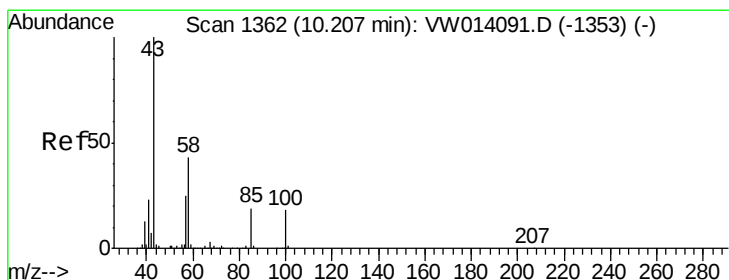
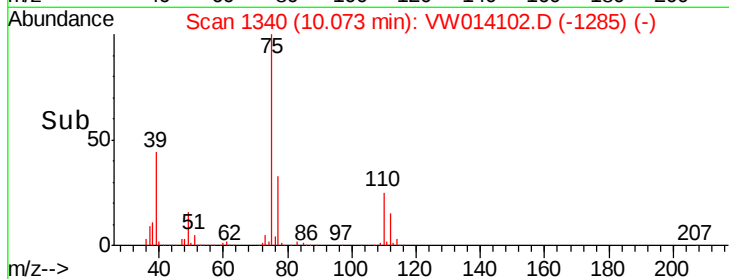
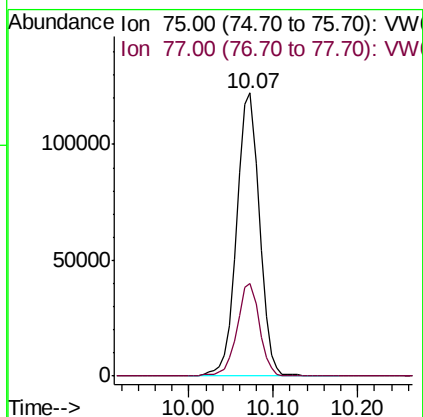
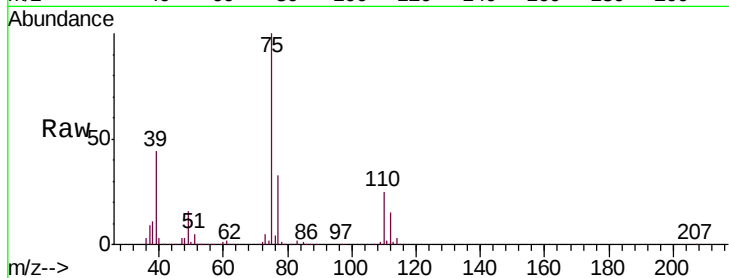
VSTD02518

Tgt Ion: 75 Resp: 222408

Ion Ratio Lower Upper

75 100

77 32.6 22.1 41.1



#43

4-Methyl-2-pentanone

Concen: 53.245 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW014102.D

Acq: 22 Nov 2019 18:28

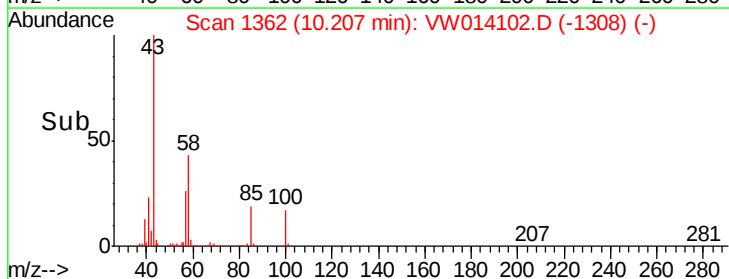
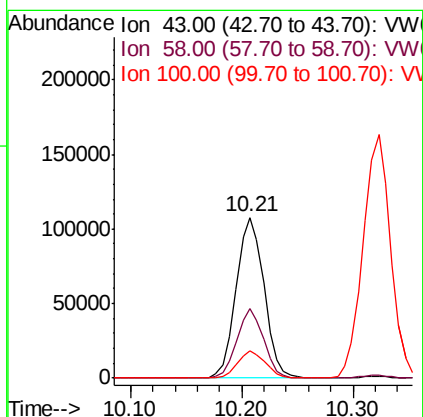
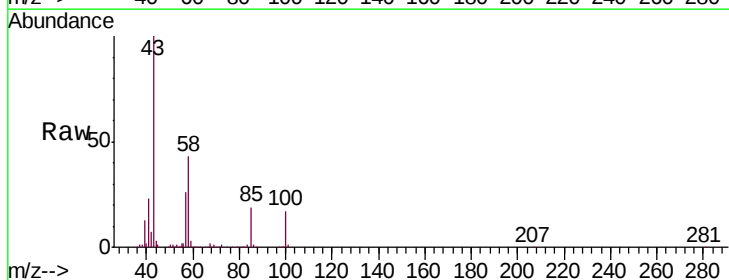
Tgt Ion: 43 Resp: 187095

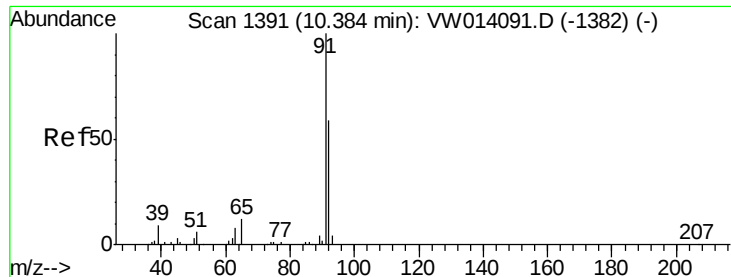
Ion Ratio Lower Upper

43 100

58 41.3 32.6 49.0

100 16.9 13.8 20.8





#44

Toluene

Concen: 25.767 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW014102.D

Acq: 22 Nov 2019 18:28

Instrument :

MSVOA_W

ClientSampleId :

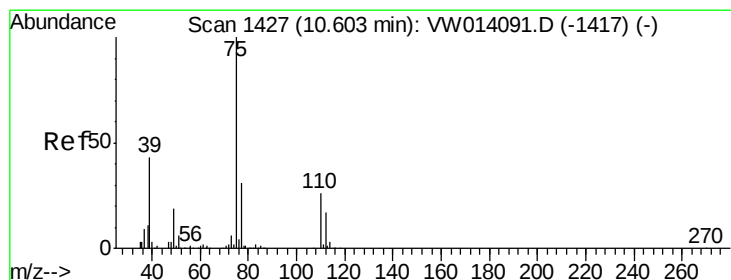
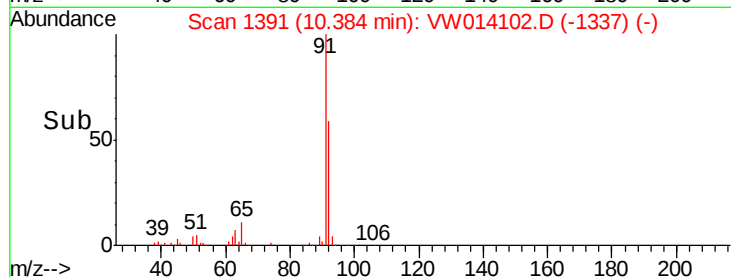
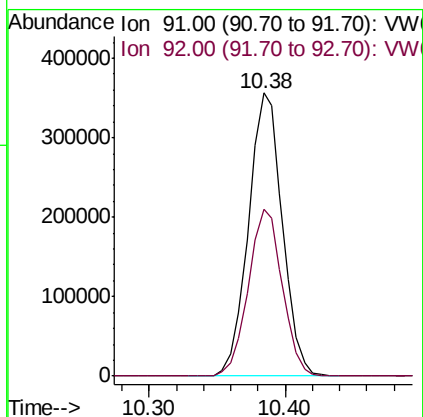
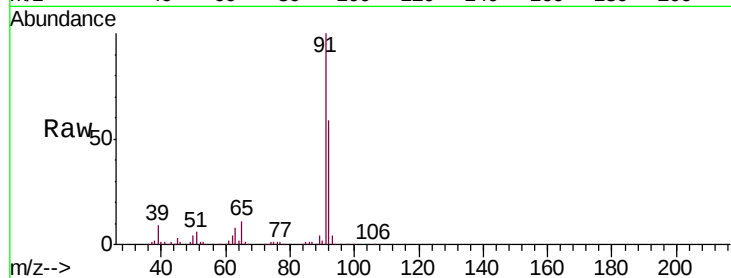
VSTD02518

Tgt Ion: 91 Resp: 621084

Ion Ratio Lower Upper

91 100

92 58.8 40.7 75.7



#45

trans-1,3-Dichloropropene

Concen: 27.123 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW014102.D

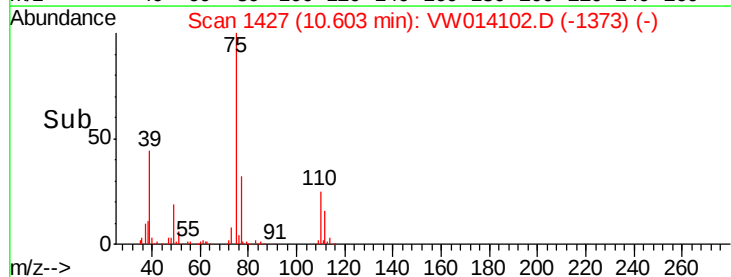
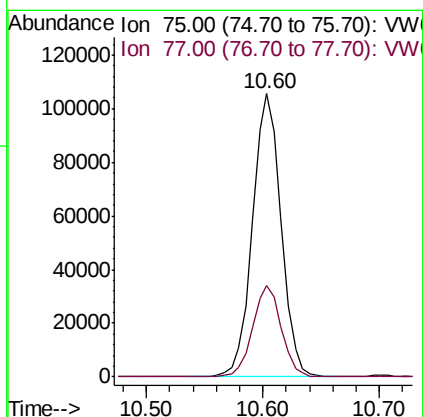
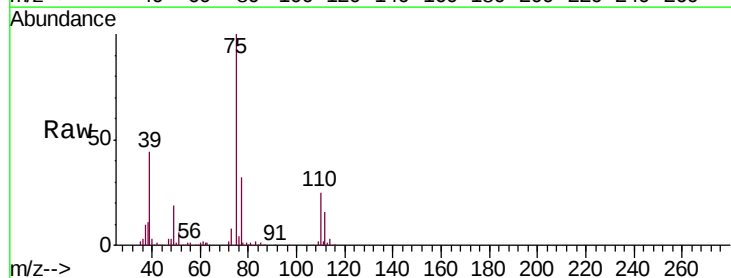
Acq: 22 Nov 2019 18:28

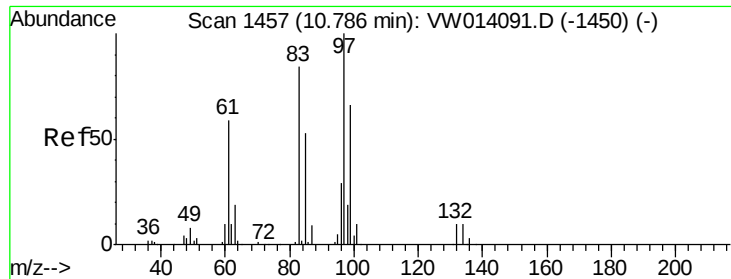
Tgt Ion: 75 Resp: 180135

Ion Ratio Lower Upper

75 100

77 32.1 21.8 40.6





#46

1,1,2-Trichloroethane

Concen: 27.456 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW014102.D

Acq: 22 Nov 2019 18:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD02518

Tgt Ion: 97 Resp: 107363

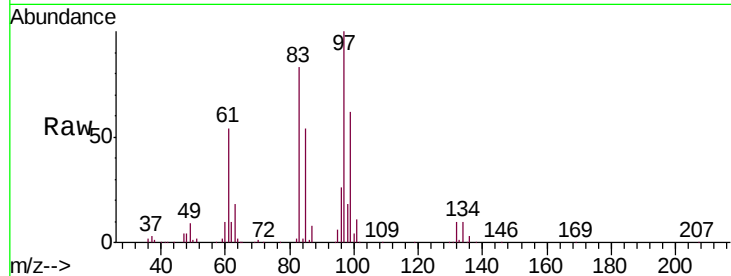
Ion Ratio Lower Upper

97 100

83 82.7 58.9 109.5

85 53.6 38.1 70.9

99 62.4 46.5 86.3

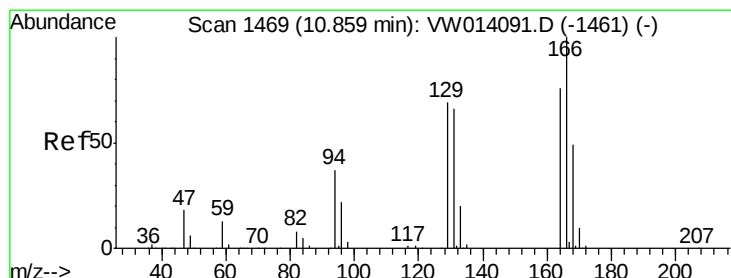
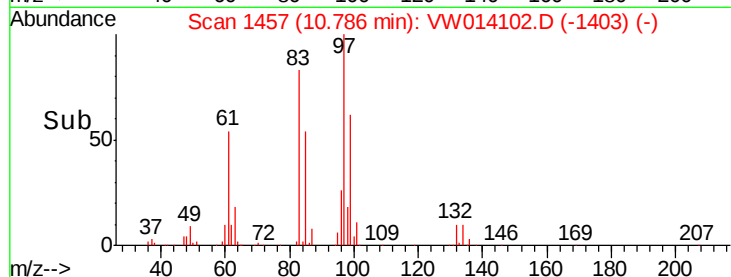
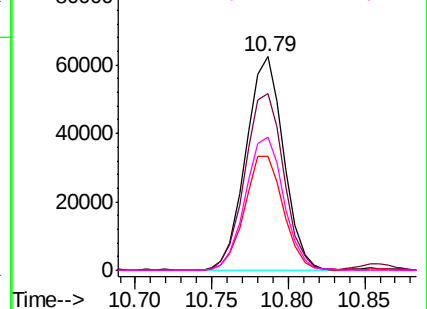


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 25.129 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW014102.D

Acq: 22 Nov 2019 18:28

Tgt Ion: 164 Resp: 132088

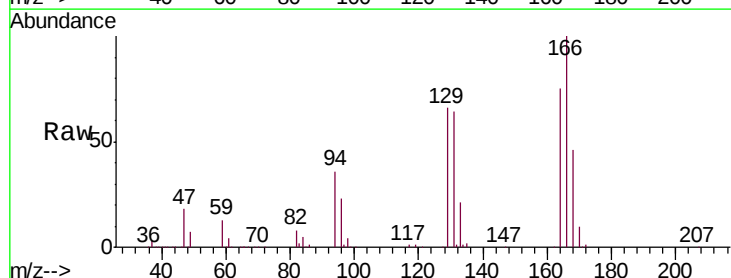
Ion Ratio Lower Upper

164 100

129 89.2 60.6 112.6

131 85.6 59.1 109.7

166 134.2 90.8 168.6

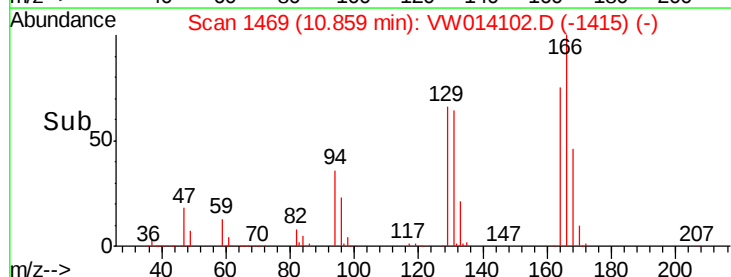
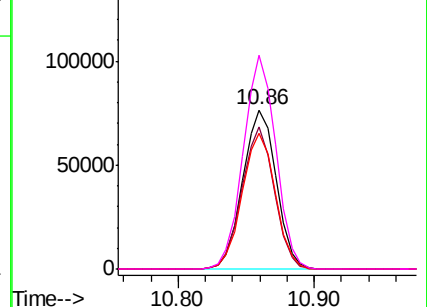


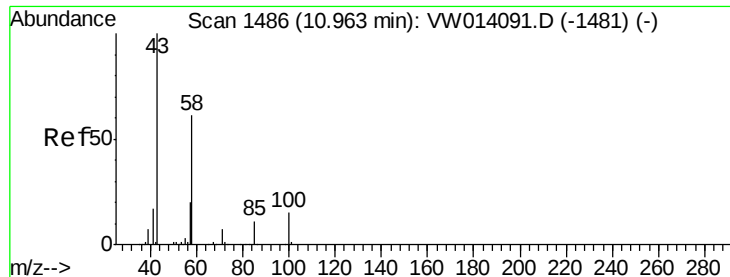
Abundance Ion 164.00 (163.70 to 164.70): V

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

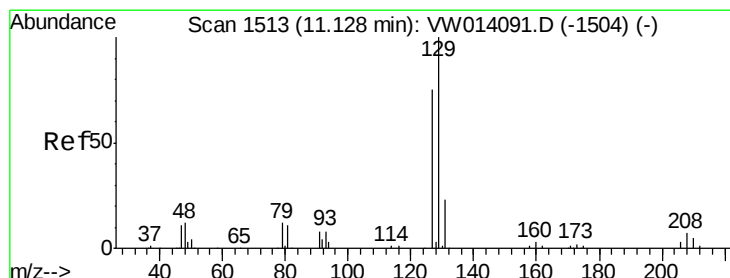
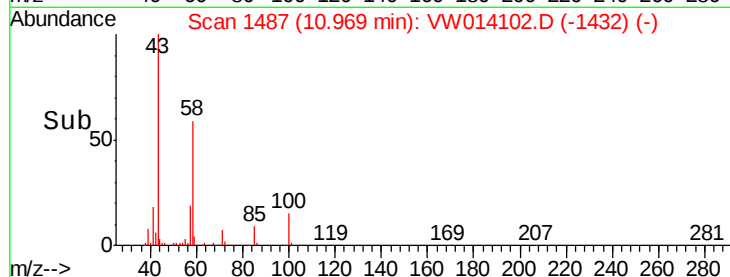
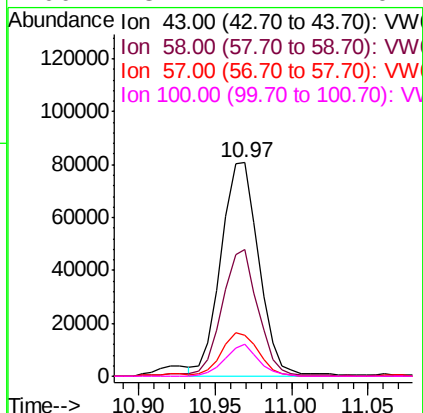
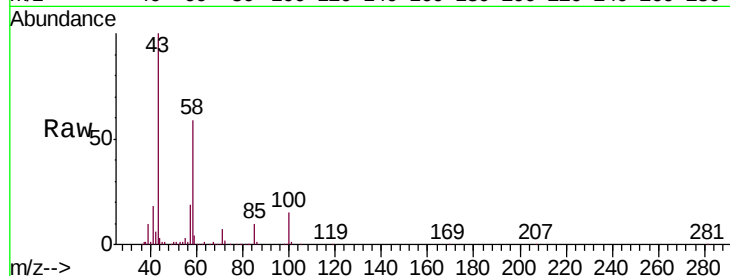




#49
2-Hexanone
Concen: 55.010 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.01 min
Lab File: VW014102.D
Acq: 22 Nov 2019 18:28

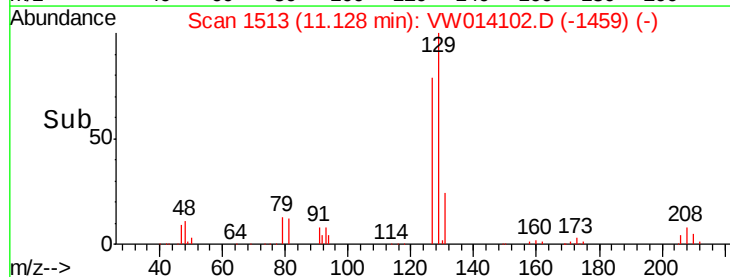
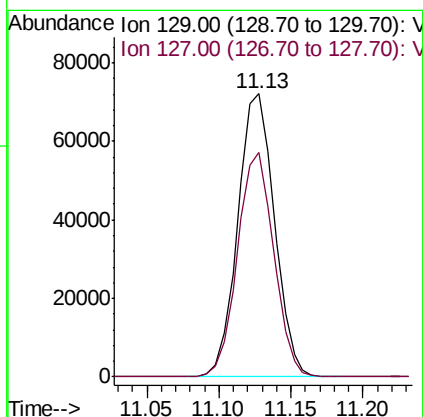
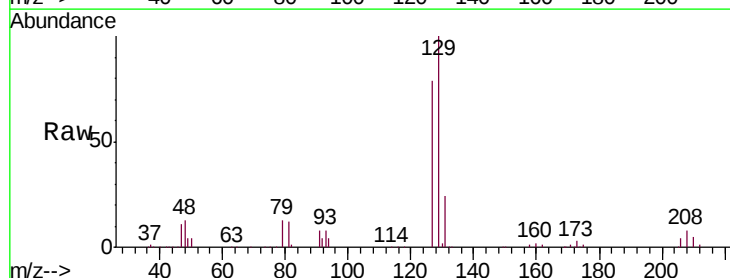
Instrument :
MSVOA_W
ClientSampleId :
VSTD02518

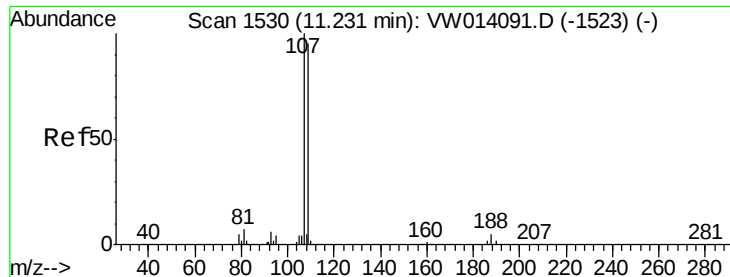
Tgt Ion: 43 Resp: 139357
Ion Ratio Lower Upper
43 100
58 57.2 44.4 66.6
57 20.0 16.5 24.7
100 13.4 11.1 16.7



#50
Dibromochloromethane
Concen: 27.811 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW014102.D
Acq: 22 Nov 2019 18:28

Tgt Ion: 129 Resp: 127825
Ion Ratio Lower Upper
129 100
127 79.2 54.9 102.1

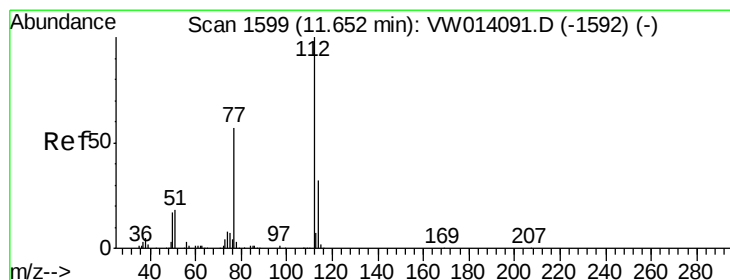
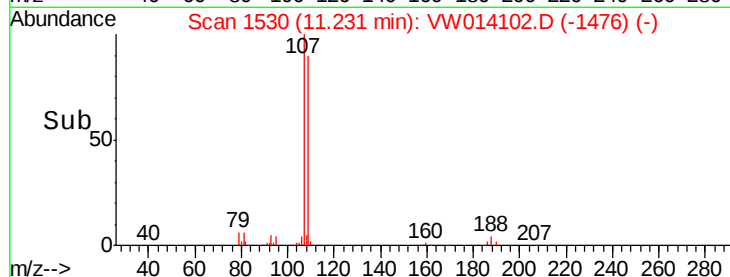
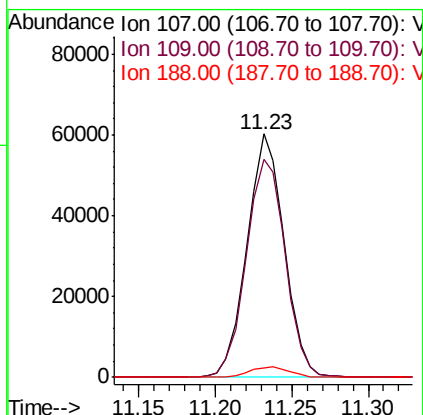
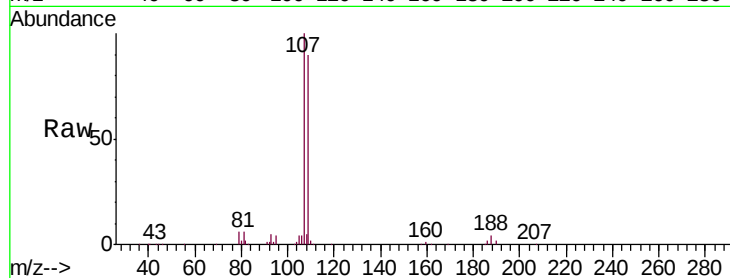




#51
1,2-Dibromoethane
Concen: 26.865 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VW014102.D
Acq: 22 Nov 2019 18:28

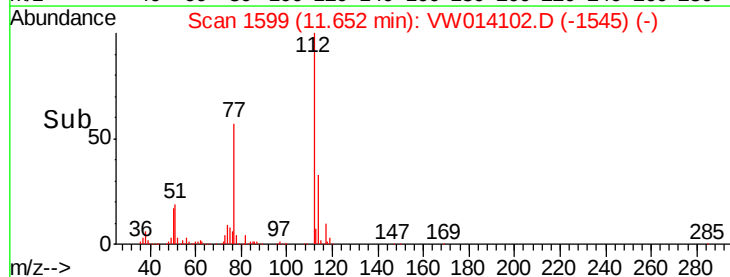
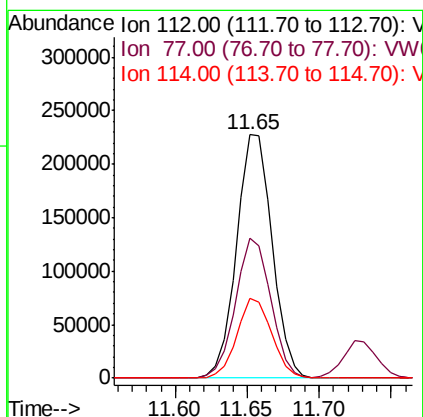
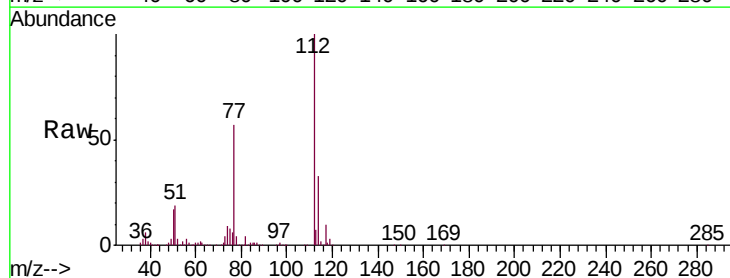
Instrument :
MSVOA_W
ClientSampleId :
VSTD02518

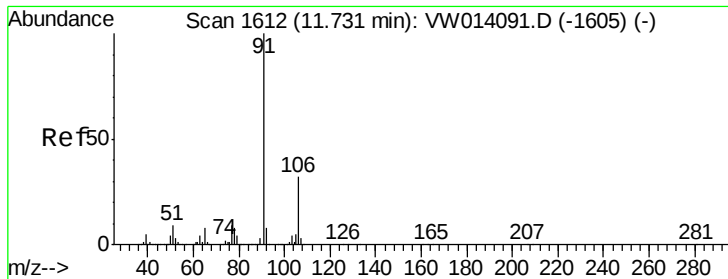
Tgt Ion	Ratio	Lower	Upper
107	100		
109	89.6	64.6	120.0
188	4.1	3.9	5.9



#52
Chlorobenzene
Concen: 25.889 ug/L
RT: 11.65 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VW014102.D
Acq: 22 Nov 2019 18:28

Tgt Ion	Ratio	Lower	Upper
112	100		
77	57.4	42.2	63.4
114	32.6	22.5	41.9





#53

Ethylbenzene

Concen: 25.949 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW014102.D

Acq: 22 Nov 2019 18:28

Instrument :

MSVOA_W

ClientSampleId :

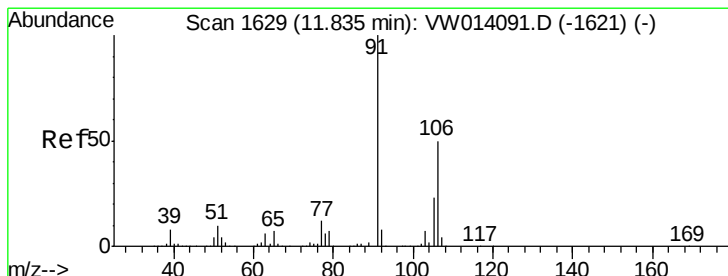
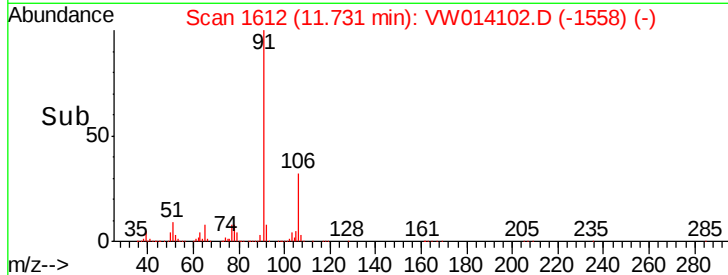
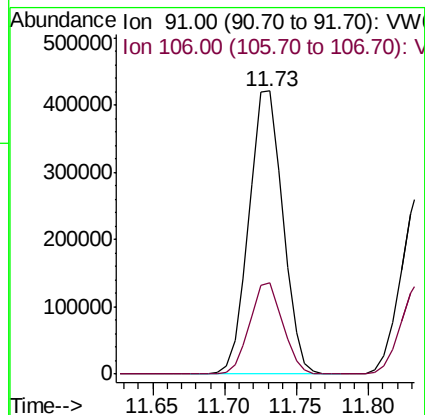
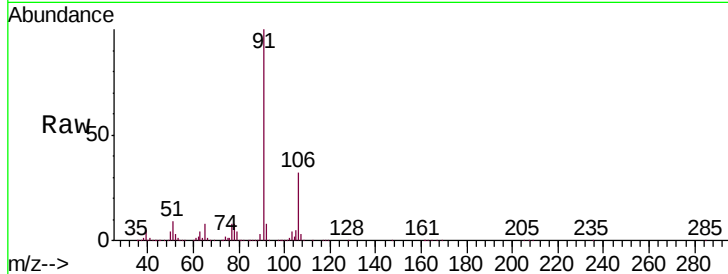
VSTD02518

Tgt Ion: 91 Resp: 686357

Ion Ratio Lower Upper

91 100

106 32.2 22.3 41.5



#54

m,p-Xylene

Concen: 25.980 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VW014102.D

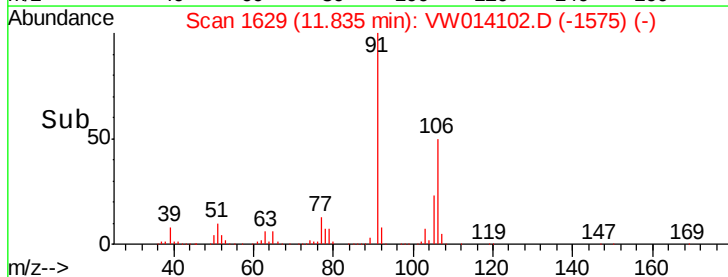
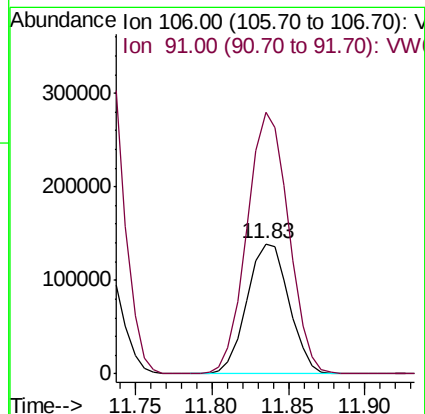
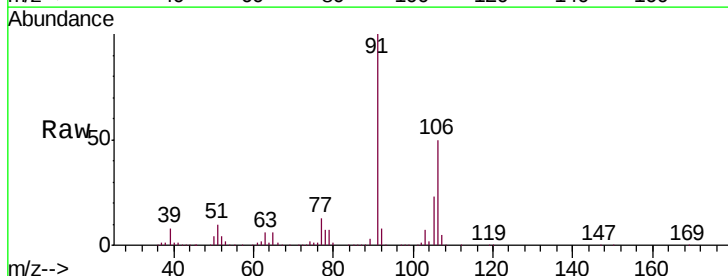
Acq: 22 Nov 2019 18:28

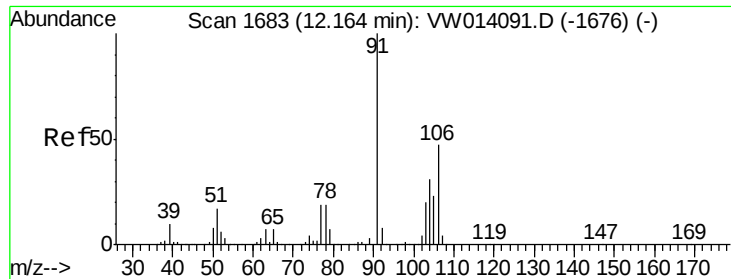
Tgt Ion: 106 Resp: 267055

Ion Ratio Lower Upper

106 100

91 201.2 138.7 257.5

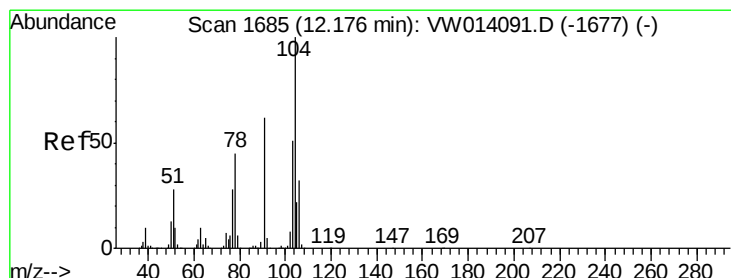
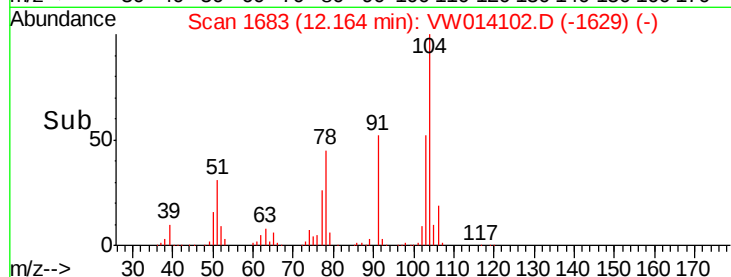
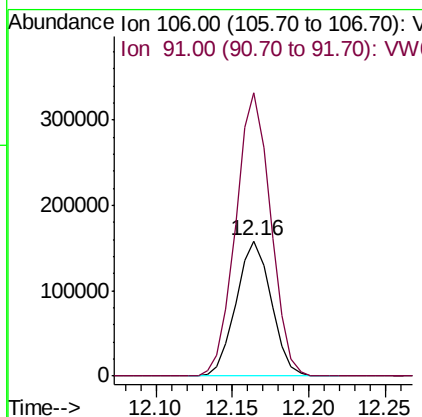
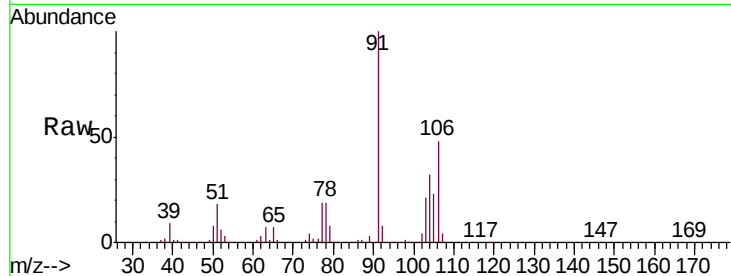




#55
o-xylene
Concen: 26.234 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW014102.D
Acq: 22 Nov 2019 18:28

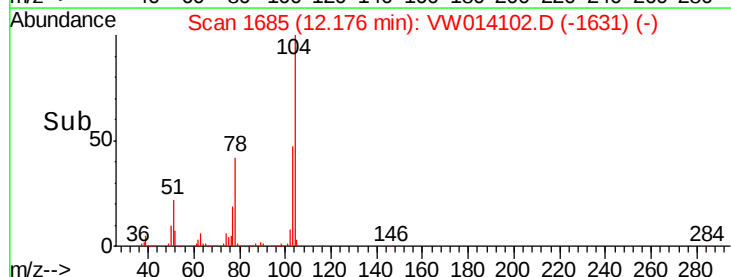
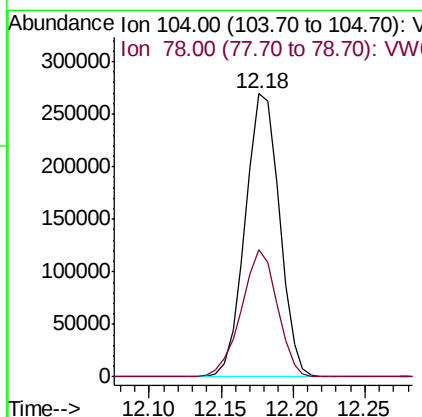
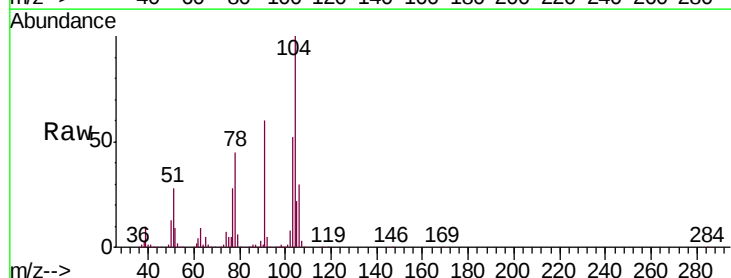
Instrument :
MSVOA_W
ClientSampled :
VSTD02518

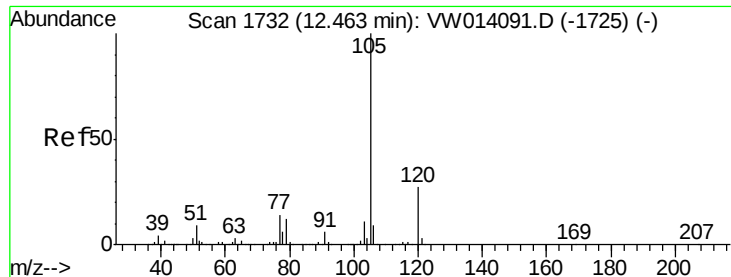
Tgt Ion:106 Resp: 252519
Ion Ratio Lower Upper
106 100
91 209.6 148.3 275.5



#56
Styrene
Concen: 27.308 ug/L
RT: 12.18 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VW014102.D
Acq: 22 Nov 2019 18:28

Tgt Ion:104 Resp: 444053
Ion Ratio Lower Upper
104 100
78 45.1 30.6 56.8





#57

Isopropylbenzene

Concen: 26.417 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW014102.D

Acq: 22 Nov 2019 18:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD02518

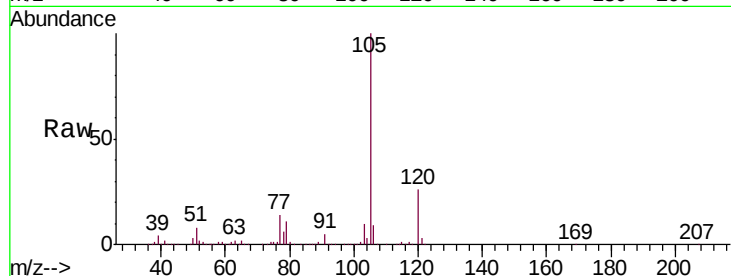
Tgt Ion: 105 Resp: 699161

Ion Ratio Lower Upper

105 100

120 26.3 21.6 32.4

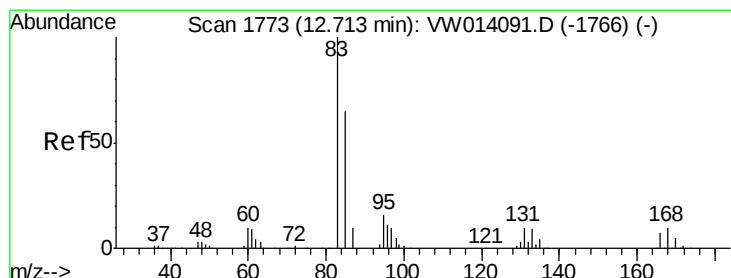
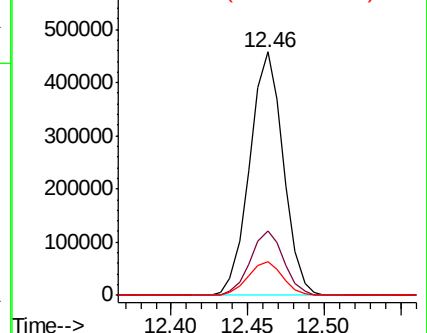
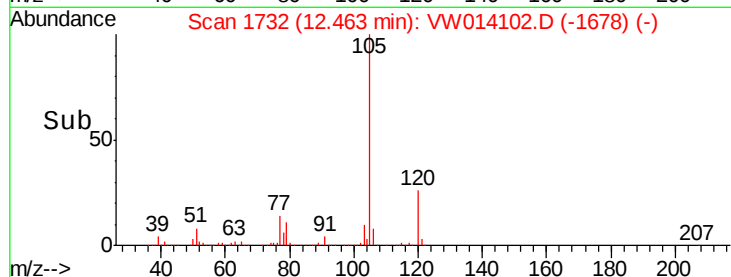
77 14.2 11.6 17.4



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



#58

1,1,2,2-Tetrachloroethane

Concen: 28.080 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW014102.D

Acq: 22 Nov 2019 18:28

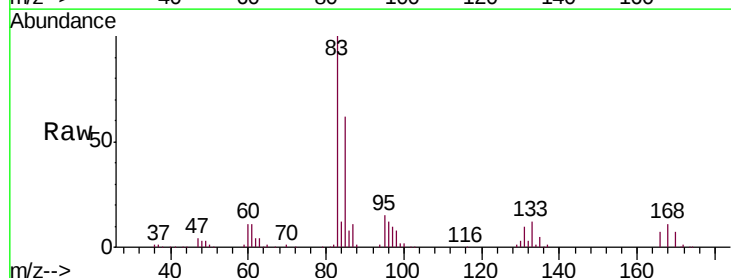
Tgt Ion: 83 Resp: 128195

Ion Ratio Lower Upper

83 100

85 62.3 43.7 81.1

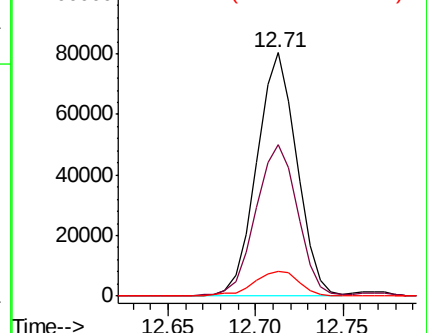
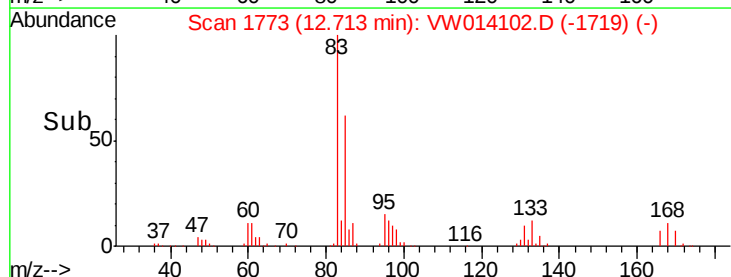
131 10.2 8.2 12.2

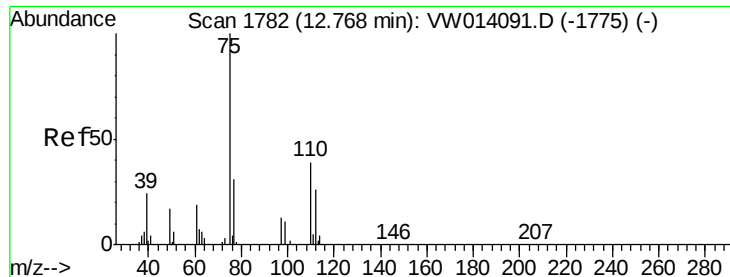


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 27.803 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW014102.D

Acq: 22 Nov 2019 18:28

Instrument :

MSVOA_W

ClientSampleId :

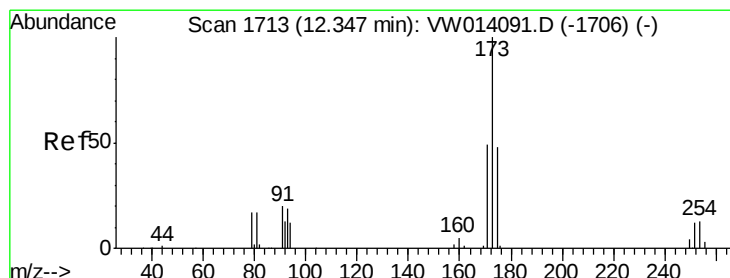
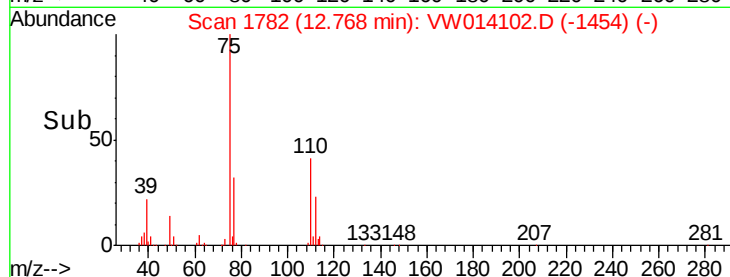
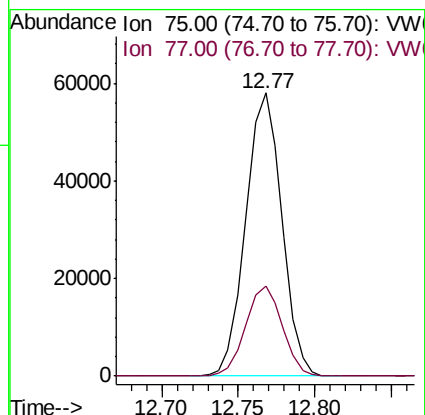
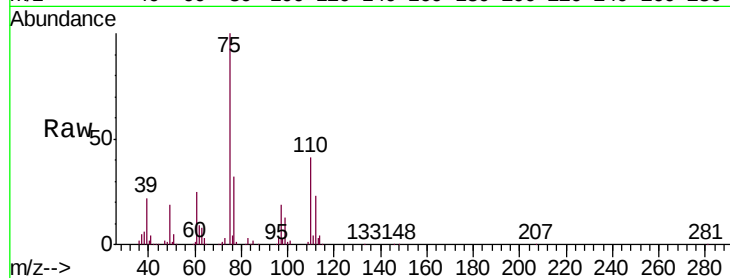
VSTD02518

Tgt Ion: 75 Resp: 95464

Ion Ratio Lower Upper

75 100

77 32.3 25.9 38.9



#62

Bromoform

Concen: 26.155 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW014102.D

Acq: 22 Nov 2019 18:28

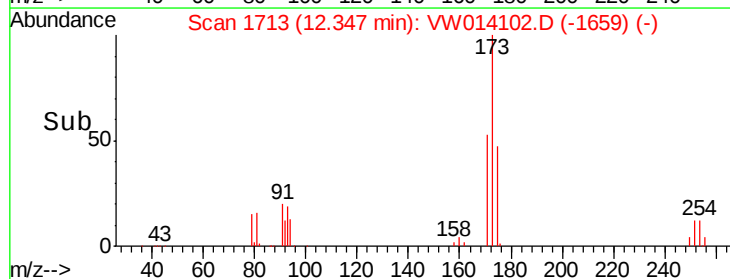
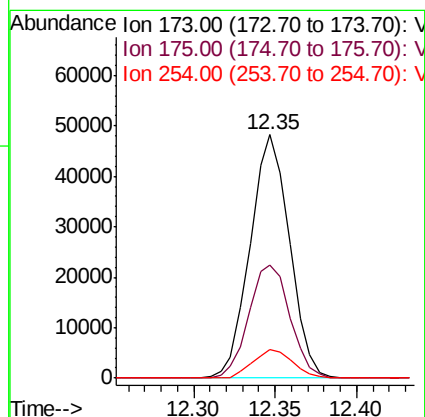
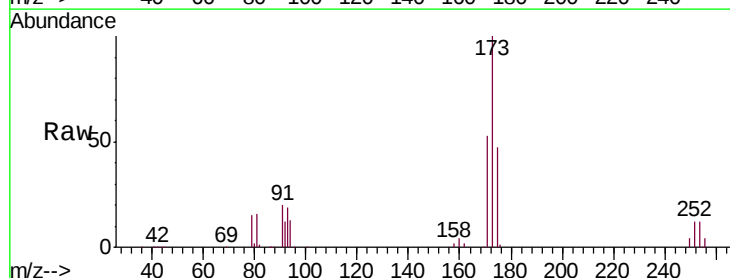
Tgt Ion: 173 Resp: 81256

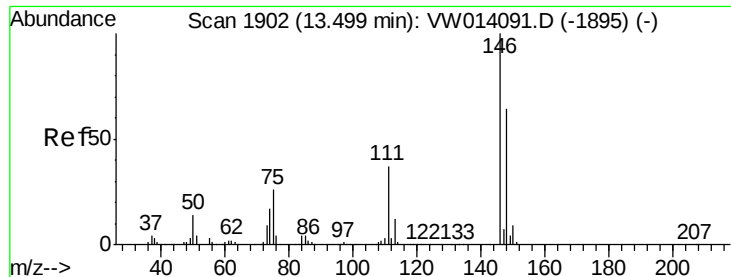
Ion Ratio Lower Upper

173 100

175 48.4 38.8 58.2

254 11.7 9.4 14.0

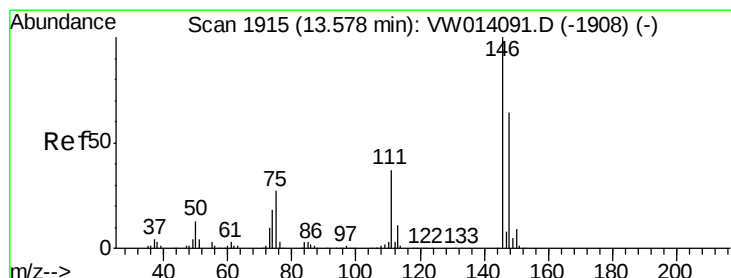
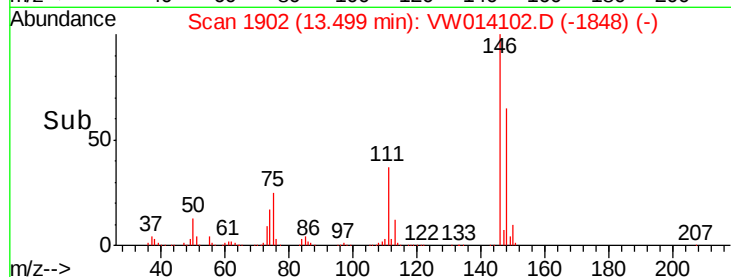
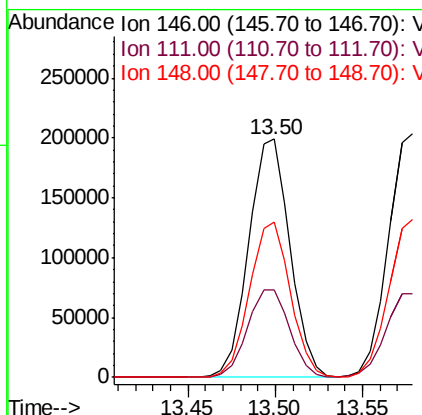
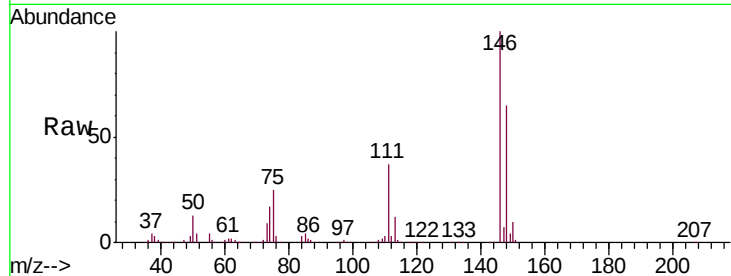




#63
 1,3-Dichlorobenzene
 Concen: 24.665 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW014102.D
 Acq: 22 Nov 2019 18:28

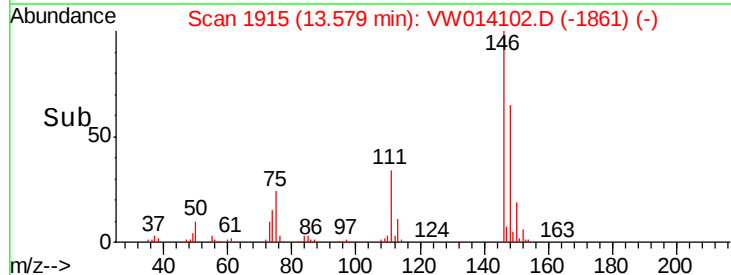
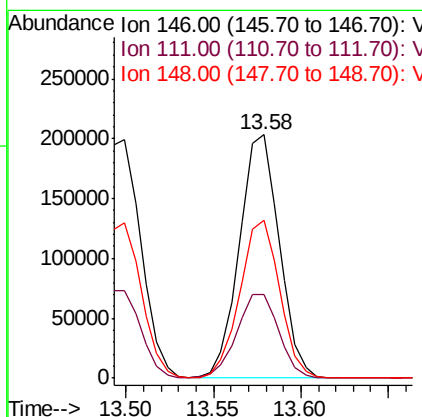
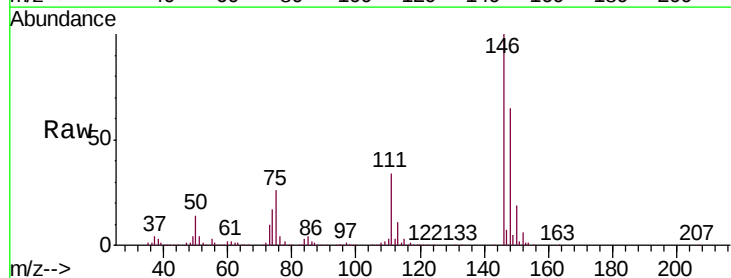
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02518

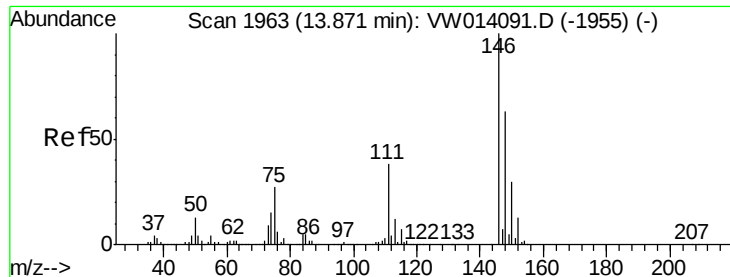
Tgt Ion:146 Resp: 328318
 Ion Ratio Lower Upper
 146 100
 111 36.6 26.0 48.2
 148 65.4 44.7 82.9



#64
 1,4-Dichlorobenzene
 Concen: 24.750 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW014102.D
 Acq: 22 Nov 2019 18:28

Tgt Ion:146 Resp: 325511
 Ion Ratio Lower Upper
 146 100
 111 34.3 24.9 46.3
 148 64.7 43.9 81.5

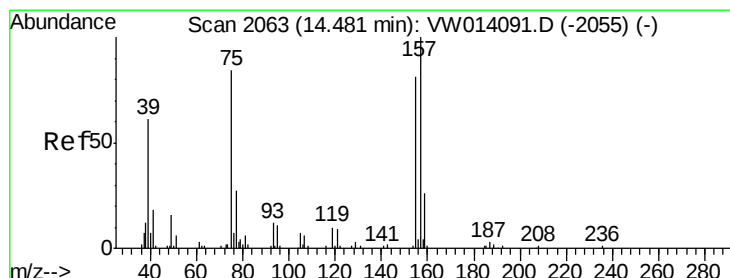
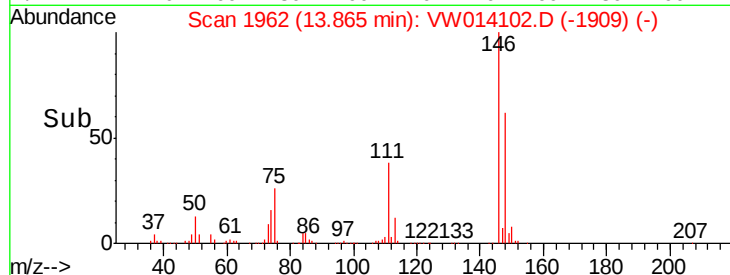
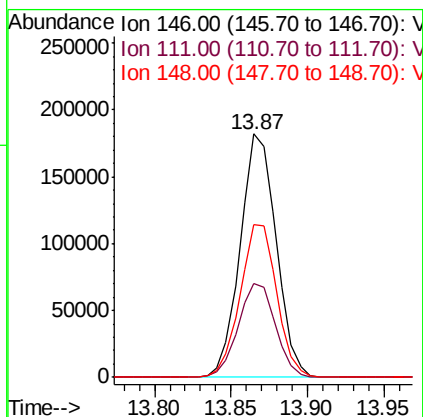
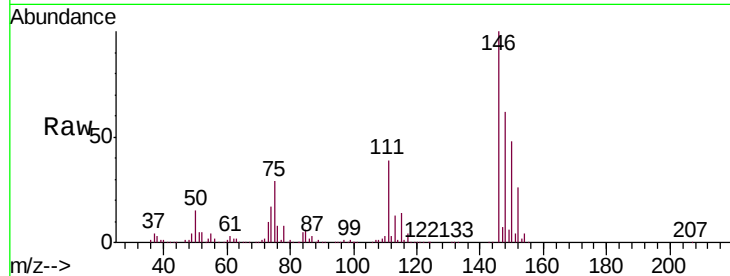




#65
 1,2-Dichlorobenzene
 Concen: 25.236 ug/L
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VW014102.D
 Acq: 22 Nov 2019 18:28

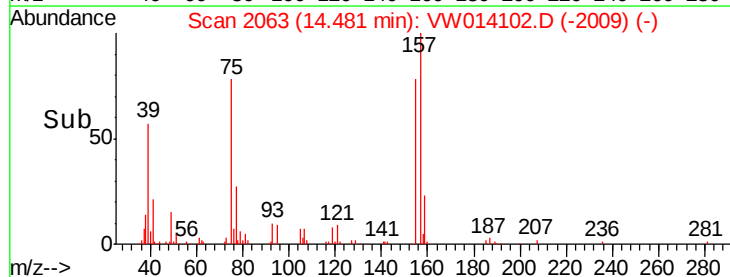
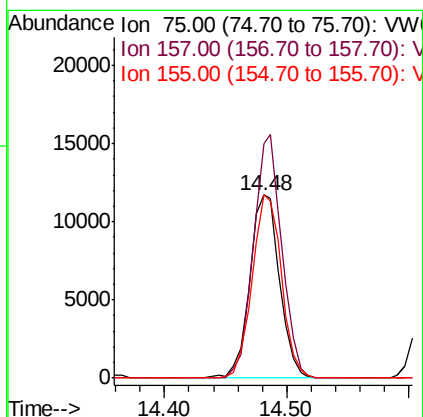
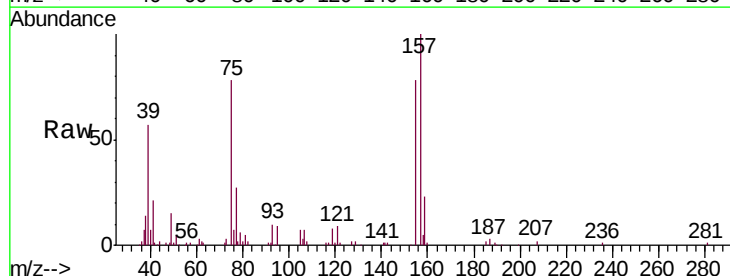
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02518

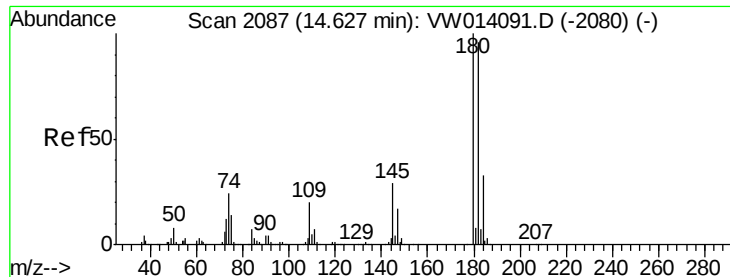
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	30.5	45.7
148	62.5	49.4	74.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 24.732 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW014102.D
 Acq: 22 Nov 2019 18:28

Tgt Ion	Ratio	Lower	Upper
75	100		
157	128.1	96.9	145.3
155	100.4	82.9	124.3

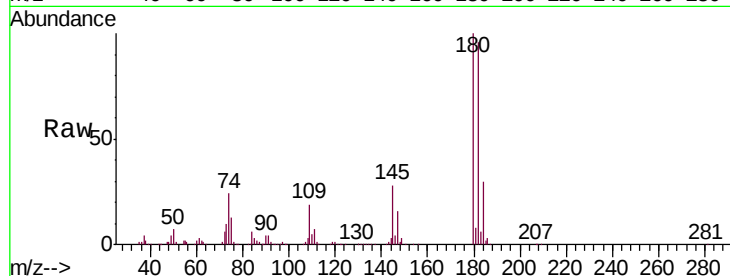




#67
 1,3,5-Trichlorobenzene
 Concen: 25.632 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW014102.D
 Acq: 22 Nov 2019 18:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02518

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.2	114.2
184	30.2	24.3	36.5
145	27.7	21.9	32.9



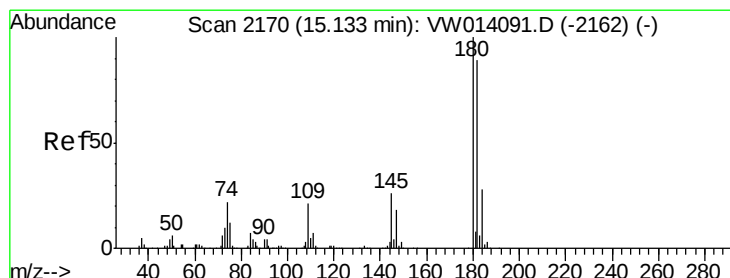
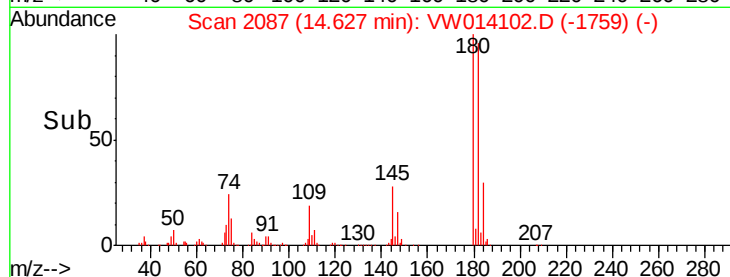
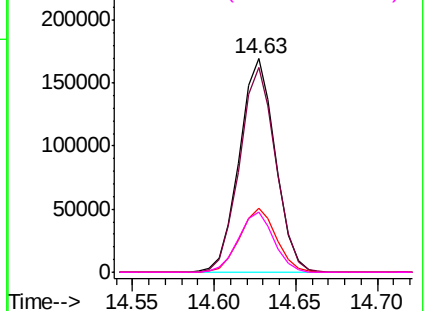
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

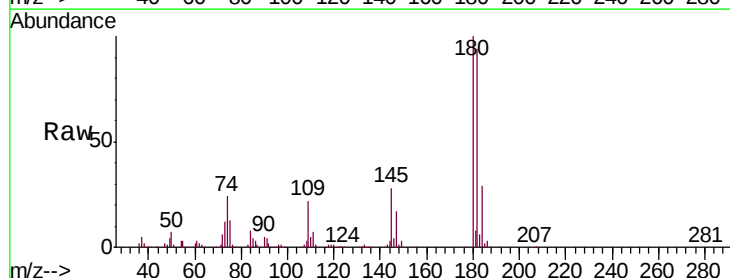
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 26.240 ug/L
 RT: 15.13 min Scan# 2169
 Delta R.T. -0.01 min
 Lab File: VW014102.D
 Acq: 22 Nov 2019 18:28

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	75.8	113.8
145	27.3	22.4	33.6

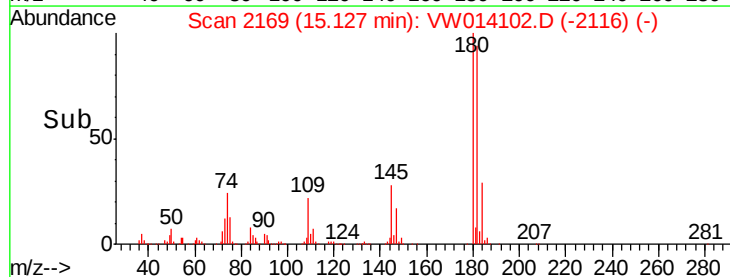
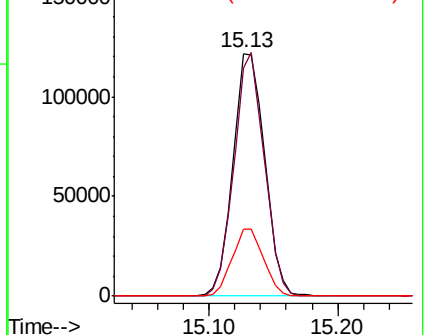


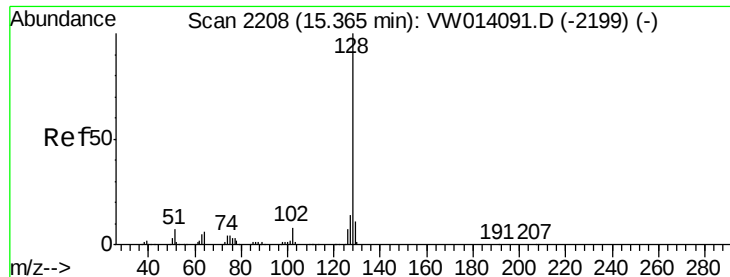
Abundance

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





#69

Naphthalene

Concen: 25.682 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW014102.D

Acq: 22 Nov 2019 18:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD02518

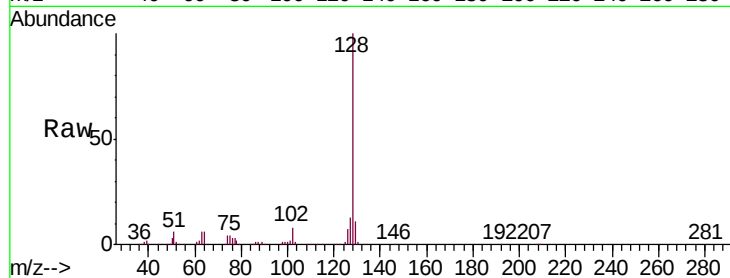
Tgt Ion:128 Resp: 363943

Ion Ratio Lower Upper

128 100

129 11.1 8.8 13.2

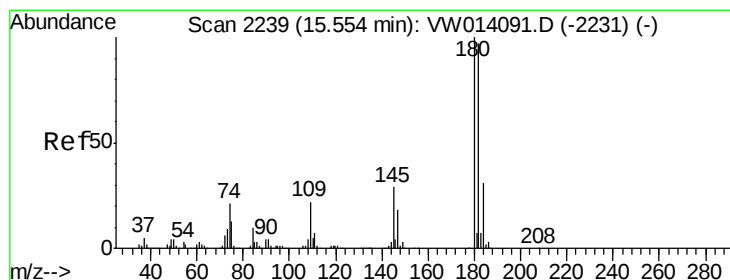
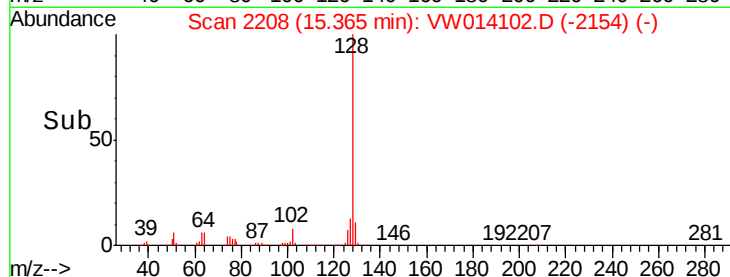
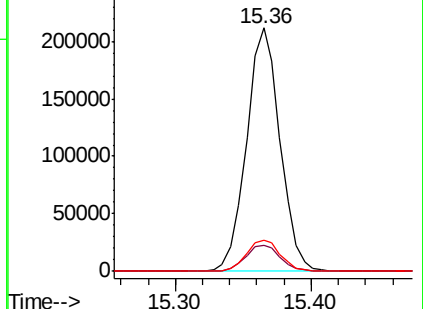
127 13.2 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 26.710 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW014102.D

Acq: 22 Nov 2019 18:28

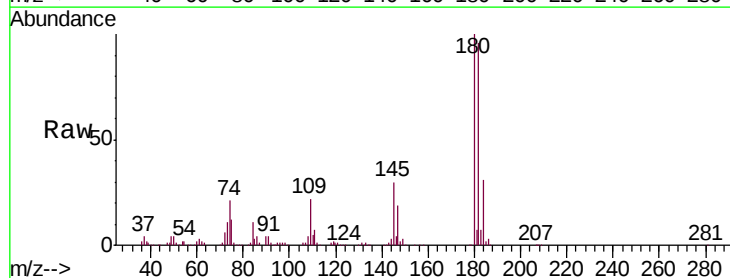
Tgt Ion:180 Resp: 188026

Ion Ratio Lower Upper

180 100

182 94.8 75.8 113.6

145 29.7 24.0 36.0



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

