

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV101920\
 Data File : VW016943.D
 Acq On : 19 Oct 2020 16:05
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02516

Quant Time: Oct 20 08:50:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100720S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 20 08:48:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	487212	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	446279	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	228224	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	103253	21.48	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.92%
7) Chloroethane-d5	2.89	69	92918	23.05	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.20%
10) 1,1-Dichloroethene-d2	4.03	63	243979	23.90	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	95.60%
20) 2-Butanone-d5	7.09	46	52802	48.50	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.00%
24) Chloroform-d	7.65	84	267555	26.02	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	104.08%
26) 1,2-Dichloroethane-d4	8.31	65	122508	24.67	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.68%
29) Benzene-d6	8.27	84	507061	25.02	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.08%
33) 1,2-Dichloropropane-d6	9.27	67	143073	26.27	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	105.08%
37) Toluene-d8	10.32	98	474111	24.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.16%
38) trans-1,3-Dichloropropene-	10.58	79	59347	24.70	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.80%
39) 2-Hexanone-d5	10.93	63	44210	52.48	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.96%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	115258	26.19	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	104.76%
61) 1,2-Dichlorobenzene-d4	13.85	152	186290	25.73	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.92%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	130160	22.351	ug/L 98
3) Chloromethane	2.21	50	111069	21.637	ug/L 96
5) Vinyl chloride	2.37	62	182758	27.424	ug/L 99
6) Bromomethane	2.79	94	122510	25.006	ug/L 100
8) Chloroethane	2.93	64	107500	26.136	ug/L 99
9) Trichlorofluoromethane	3.26	101	143397	27.849	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	179657	27.388	ug/L 99
12) 1,1-Dichloroethene	4.04	96	171086	27.160	ug/L 98
13) Acetone	4.14	43	35498	43.088	ug/L 98
14) Carbon disulfide	4.39	76	460084	25.472	ug/L 99
15) Methyl Acetate	4.68	43	46589	23.668	ug/L 100
16) Methylene chloride	4.92	84	164306	24.436	ug/L 97
17) Methyl tert-butyl Ether	5.43	73	187097	26.542	ug/L 99
18) trans-1,2-Dichloroethene	5.43	96	173154	26.312	ug/L 94
19) 1,1-Dichloroethane	6.22	63	278936	27.524	ug/L 100
21) 2-Butanone	7.18	43	58798	42.514	ug/L 100
22) cis-1,2-Dichloroethene	7.17	96	181819	27.077	ug/L 98

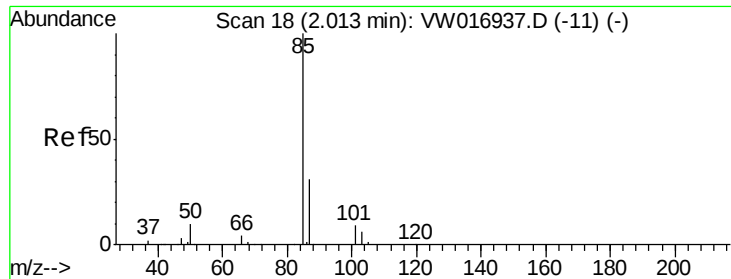
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV101920\
 Data File : VW016943.D
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 Quant Title : VOC Analysis
 QLast Update : Tue Oct 20 08:48:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	83013	26.326	ug/L	97
25) Chloroform	7.68	83	299784	27.393	ug/L	98
27) 1,2-Dichloroethane	8.40	62	168671	25.764	ug/L	99
30) Cyclohexane	7.96	56	243333	26.292	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	258538	27.242	ug/L	100
32) Carbon tetrachloride	8.07	117	252231	27.235	ug/L	99
34) Benzene	8.32	78	648810	27.072	ug/L	100
35) Trichloroethene	9.09	95	180276	26.593	ug/L	100
36) Methylcyclohexane	9.34	83	301302	26.434	ug/L	100
40) 1,2-Dichloropropane	9.37	63	148086	27.326	ug/L	100
41) Bromodichloromethane	9.65	83	203345	26.710	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	234596	27.152	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	132414	48.534	ug/L	99
44) Toluene	10.39	91	719604	27.066	ug/L	97
45) trans-1,3-Dichloropropene	10.61	75	193841	26.661	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	114231	25.930	ug/L	98
47) Tetrachloroethene	10.87	164	165089	26.268	ug/L	95
49) 2-Hexanone	10.97	43	88294	49.030	ug/L	100
50) Dibromochloromethane	11.13	129	145677	26.600	ug/L	100
51) 1,2-Dibromoethane	11.24	107	109397	25.270	ug/L	96
52) Chlorobenzene	11.66	112	481778	27.002	ug/L	97
53) Ethylbenzene	11.73	91	819683	27.483	ug/L	99
54) m,p-Xylene	11.84	106	318765	27.481	ug/L	99
55) o-xylene	12.17	106	303666	27.400	ug/L	99
56) Styrene	12.18	104	510774	27.929	ug/L	98
57) Isopropylbenzene	12.47	105	840408	27.693	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	122802	25.223	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	87651	24.852	ug/L	100
62) Bromoform	12.35	173	80263	25.000	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	390176	26.863	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	385503	26.539	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	343956	26.448	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.49	75	18624	23.609	ug/L	99
67) 1,3,5-Trichlorobenzene	14.63	180	292968	27.135	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	231108	26.061	ug/L	97
69) Naphthalene	15.37	128	379181	25.822	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	199573	26.190	ug/L	96

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



#2

Dichlorodifluoromethane

Concen: 22.351 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW016943.D

Acq: 19 Oct 2020 16:05

Instrument :

MSVOA_W

ClientSampled :

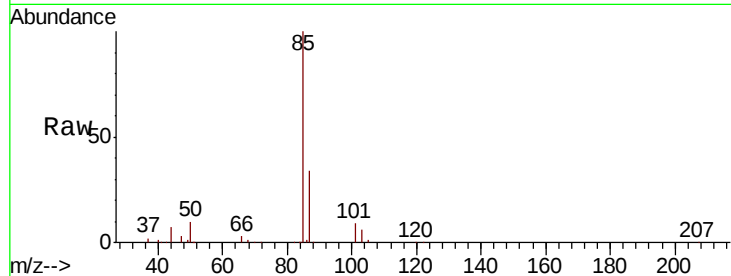
VSTD02516

Tot Ion: 85 Resp: 130160

Ion Ratio Lower Upper

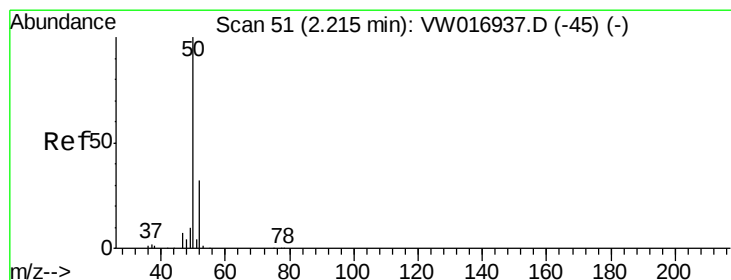
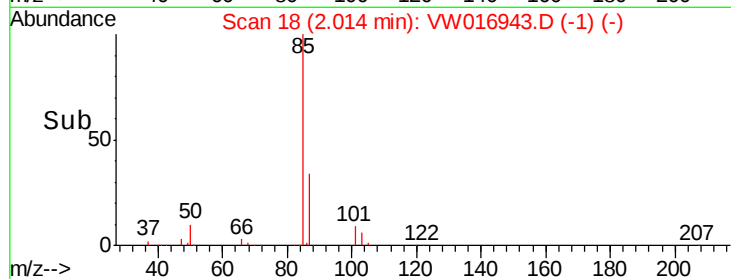
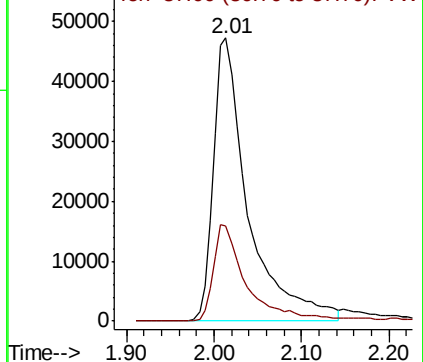
85 100

87 30.0 20.4 37.8



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 21.637 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW016943.D

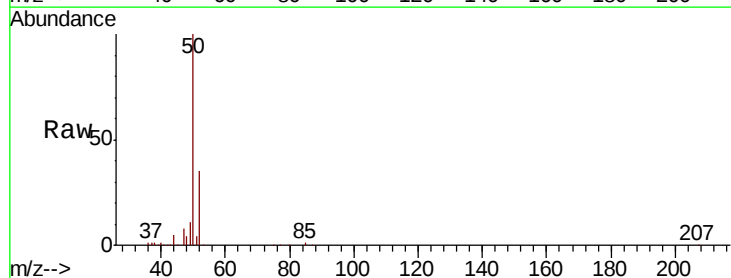
Acq: 19 Oct 2020 16:05

Tgt Ion: 50 Resp: 111069

Ion Ratio Lower Upper

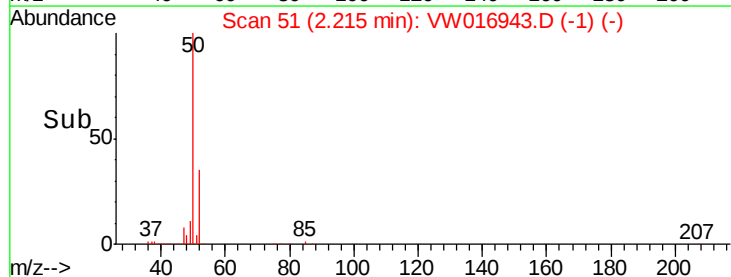
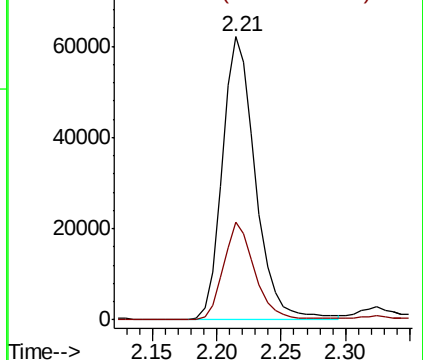
50 100

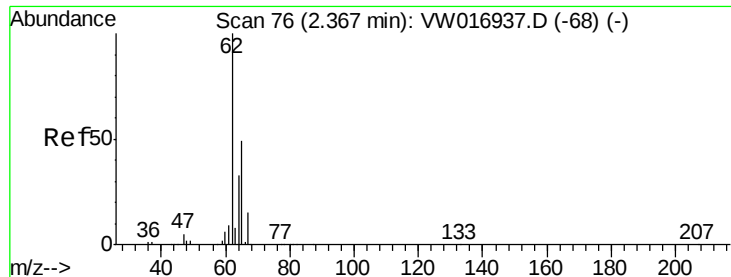
52 34.6 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 27.424 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW016943.D

Acq: 19 Oct 2020 16:05

Instrument :

MSVOA_W

ClientSampleId :

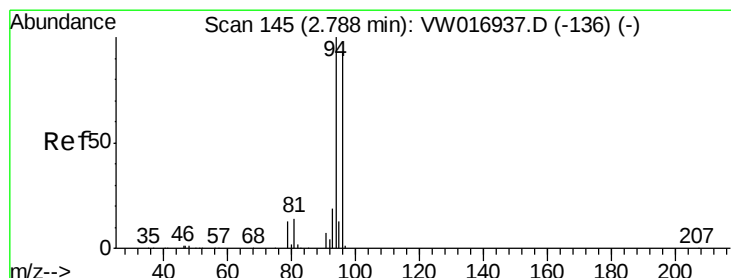
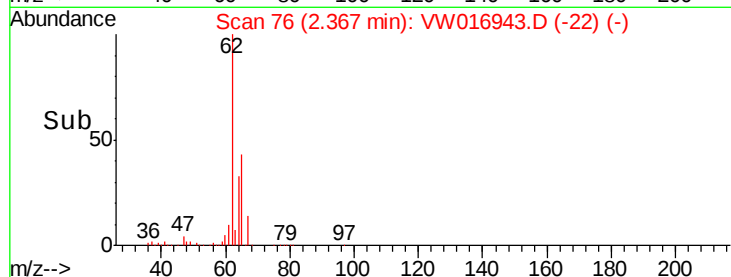
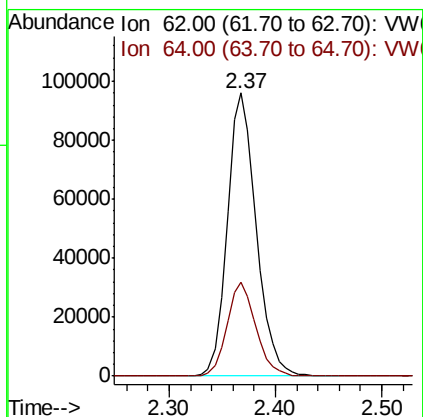
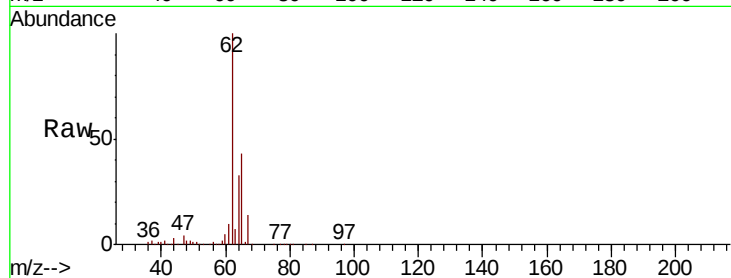
VSTD02516

Tot Ion: 62 Resp: 182758

Ion Ratio Lower Upper

62 100

64 33.3 23.5 43.7



#6

Bromomethane

Concen: 25.006 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW016943.D

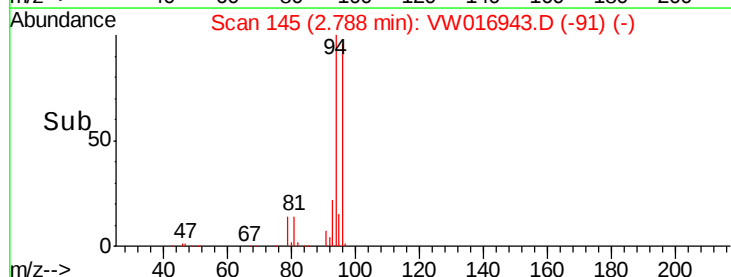
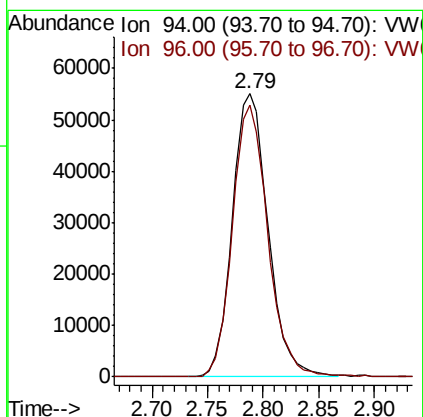
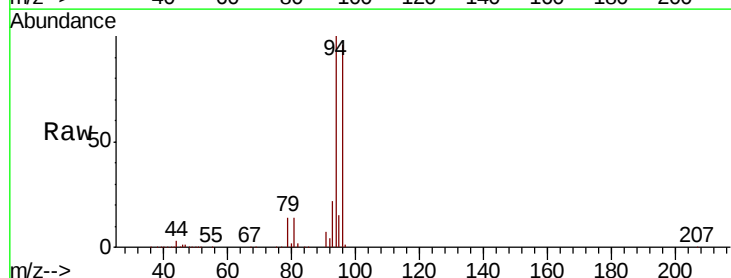
Acq: 19 Oct 2020 16:05

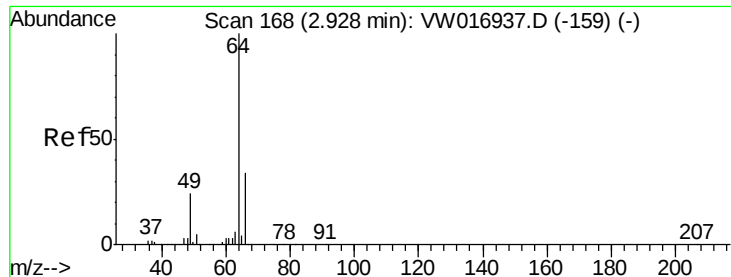
Tgt Ion: 94 Resp: 122510

Ion Ratio Lower Upper

94 100

96 94.8 9.5 180.7





#8

Chloroethane

Concen: 26.136 ug/L

RT: 2.93 min Scan# 169

Delta R.T. 0.01 min

Lab File: VW016943.D

Acq: 19 Oct 2020 16:05

Instrument :

MSVOA_W

ClientSampleId :

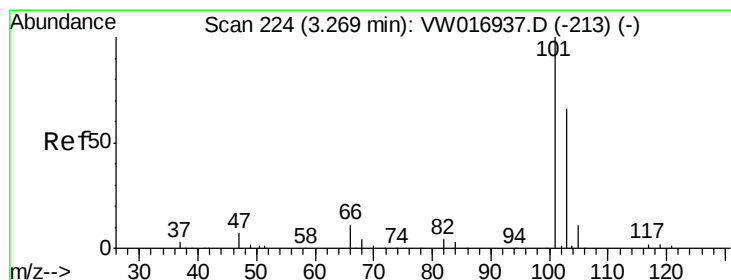
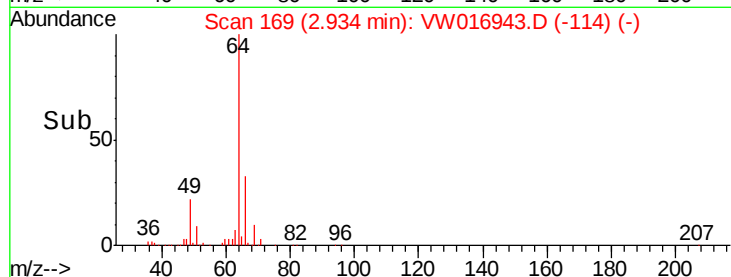
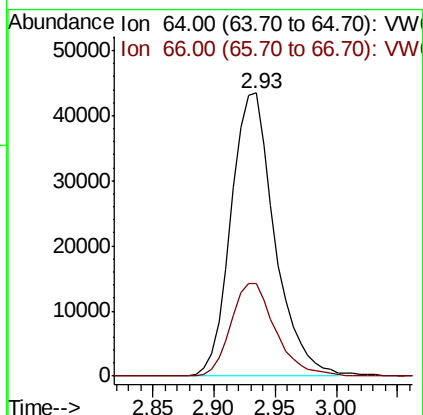
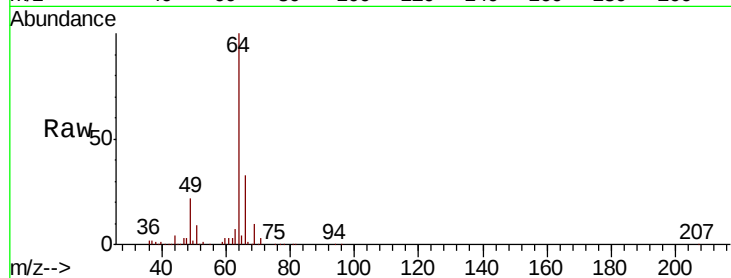
VSTD02516

Tot Ion: 64 Resp: 107500

Ion Ratio Lower Upper

64 100

66 32.9 22.5 41.7



#9

Trichlorofluoromethane

Concen: 27.849 ug/L

RT: 3.26 min Scan# 223

Delta R.T. -0.01 min

Lab File: VW016943.D

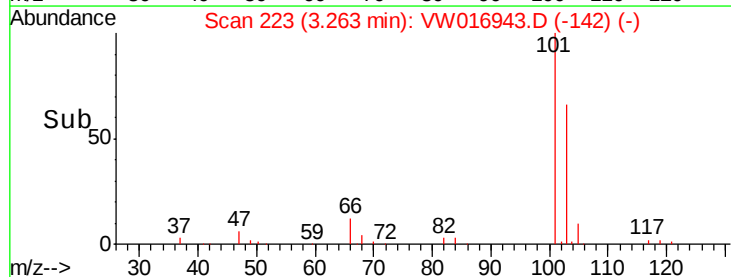
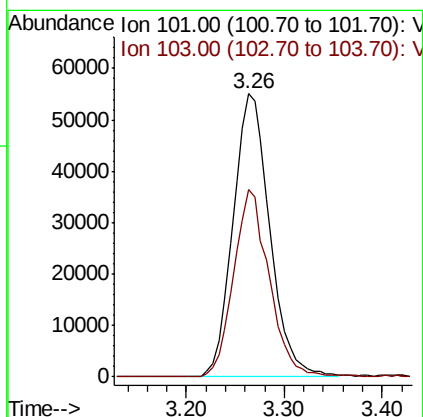
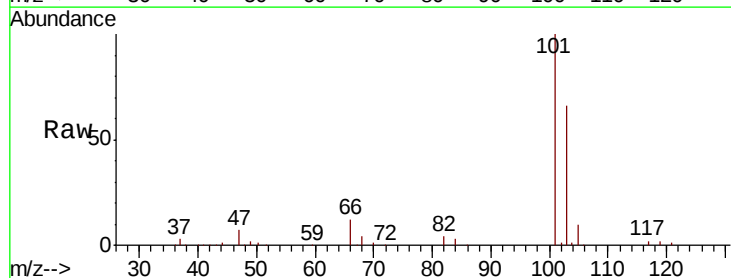
Acq: 19 Oct 2020 16:05

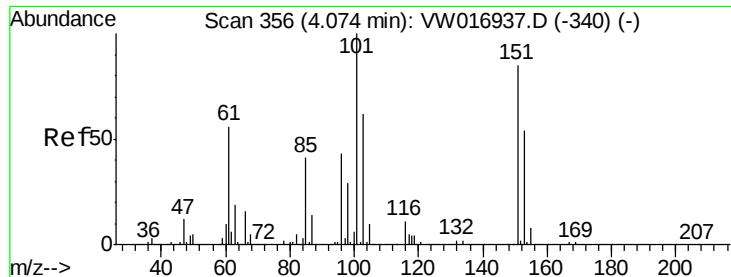
Tgt Ion: 101 Resp: 143397

Ion Ratio Lower Upper

101 100

103 63.6 45.2 84.0





#11

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

Concen: 27.388 ug/L

RT: 4.07 min Scan# 356

Delta R.T. 0.00 min

Lab File: VW016943.D

Acq: 19 Oct 2020 16:05

Instrument :

MSVOA_W

ClientSampleId :

VSTD02516

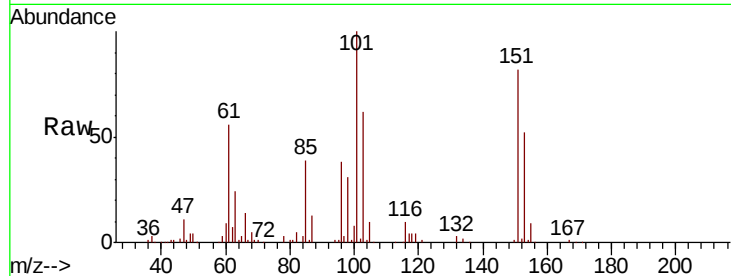
Tot Ion:101 Resp: 179657

Ion Ratio Lower Upper

101 100

85 40.6 31.7 47.5

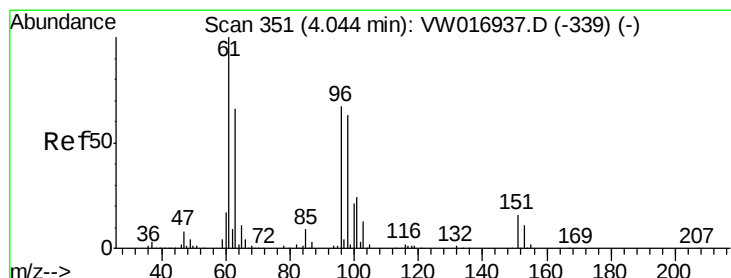
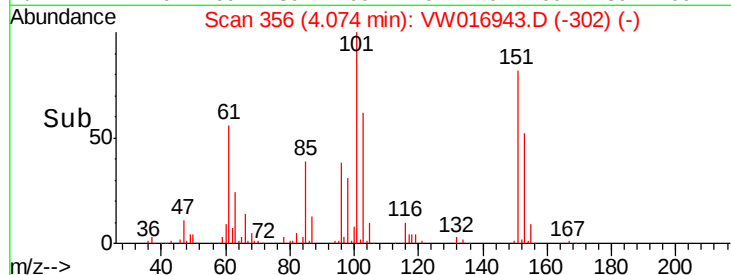
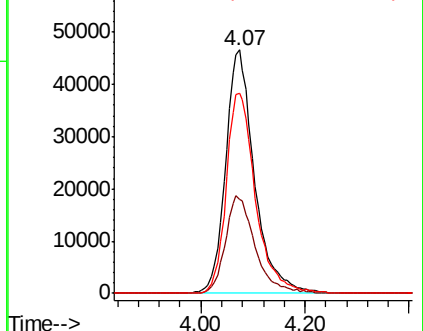
151 83.2 66.6 99.8



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: 27.160 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.00 min

Lab File: VW016943.D

Acq: 19 Oct 2020 16:05

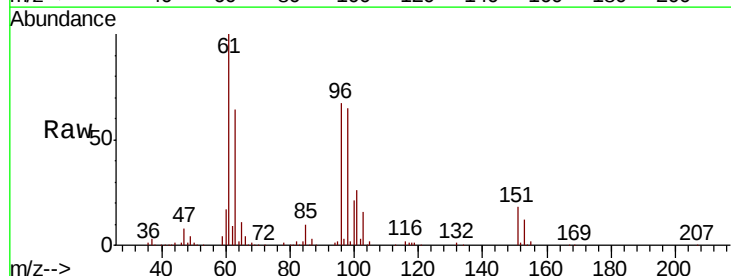
Tgt Ion: 96 Resp: 171086

Ion Ratio Lower Upper

96 100

61 148.7 105.1 195.1

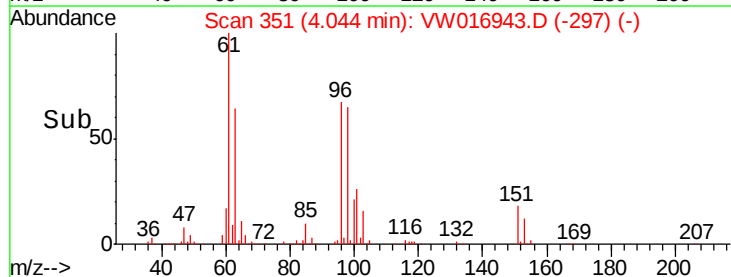
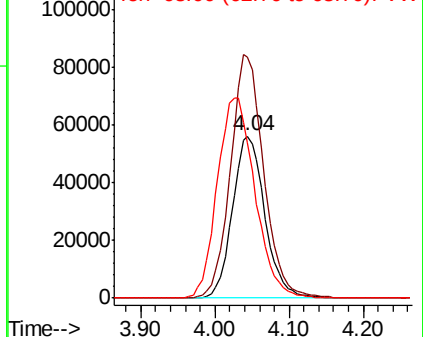
63 95.5 69.9 129.7

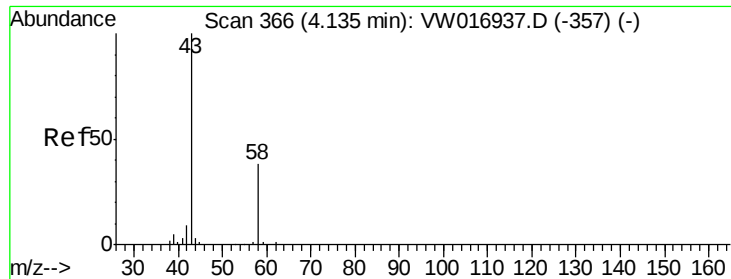


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 43.088 ug/L

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

Lab File: VW016943.D

Acq: 19 Oct 2020 16:05

Instrument :

MSVOA_W

ClientSampleId :

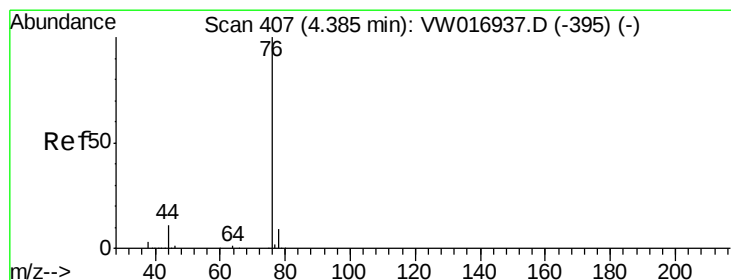
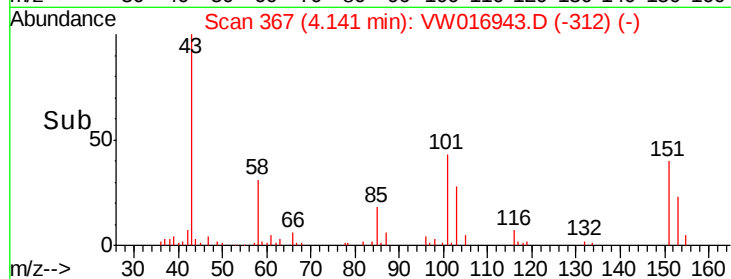
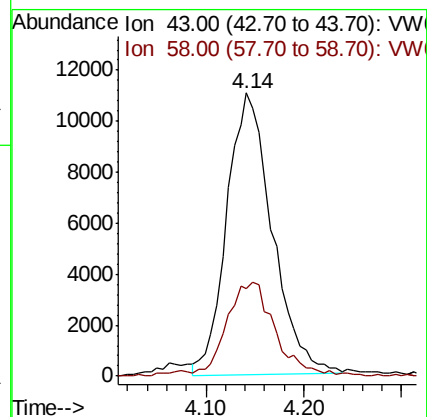
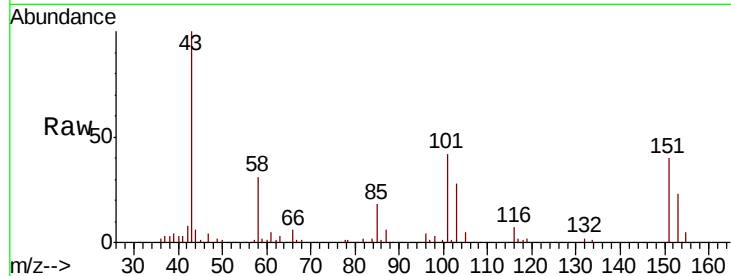
VSTD02516

Tot Ion: 43 Resp: 35498

Ion Ratio Lower Upper

43 100

58 34.8 0.0 67.6



#14

Carbon disulfide

Concen: 25.472 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW016943.D

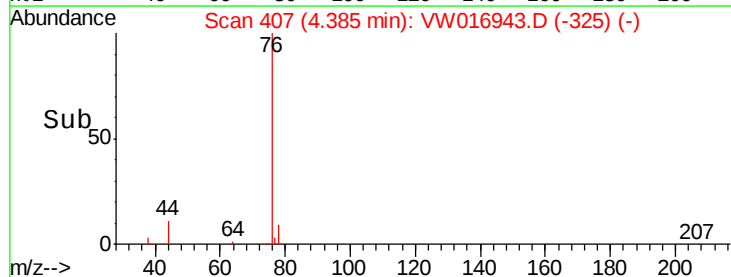
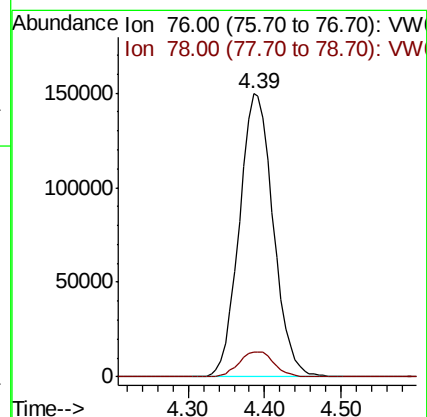
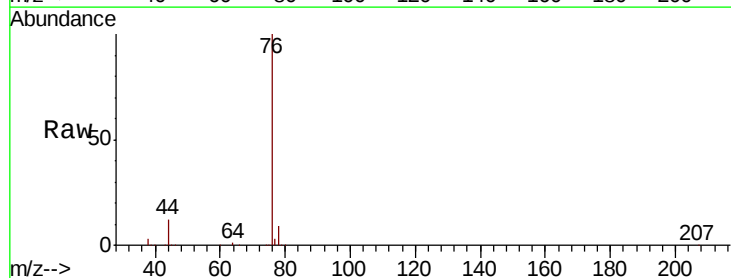
Acq: 19 Oct 2020 16:05

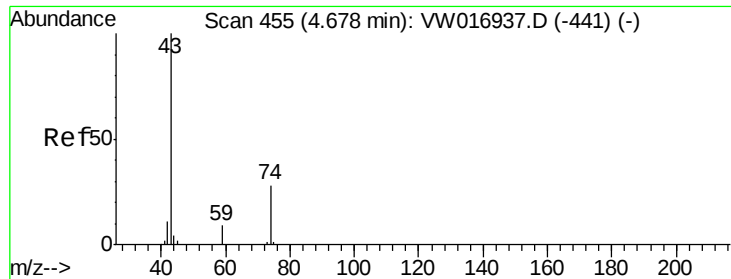
Tgt Ion: 76 Resp: 460084

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.0

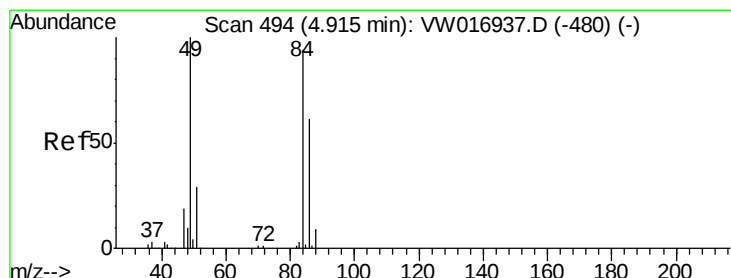
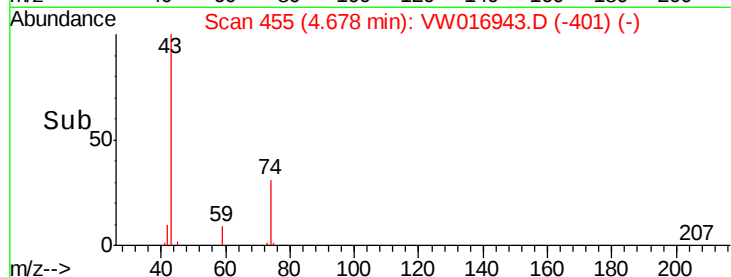
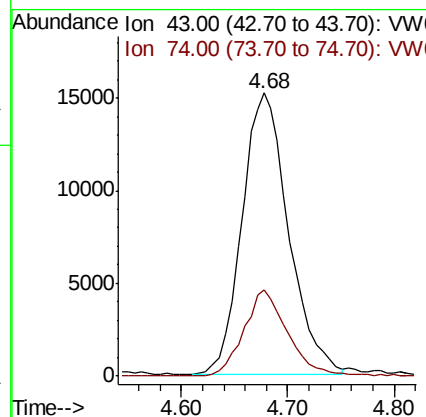
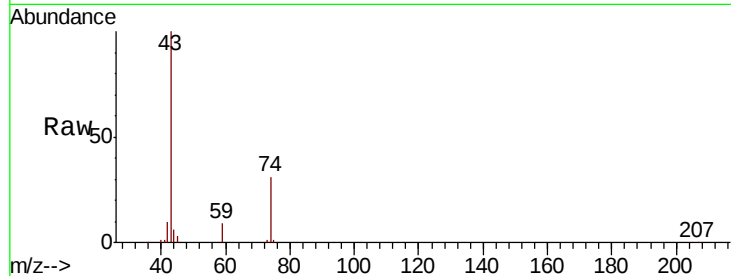




#15
Methvl Acetate
Concen: 23.668 ug/L
RT: 4.68 min Scan# 455
Delta R.T. 0.00 min
Lab File: VW016943.D
Acq: 19 Oct 2020 16:05

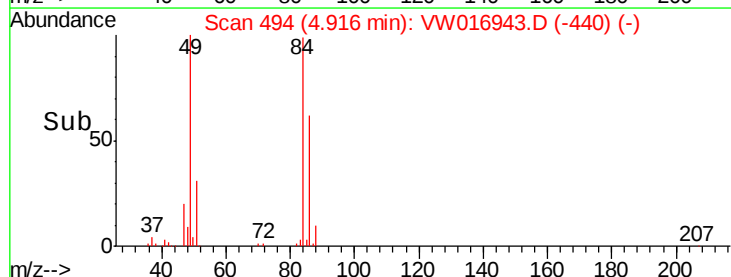
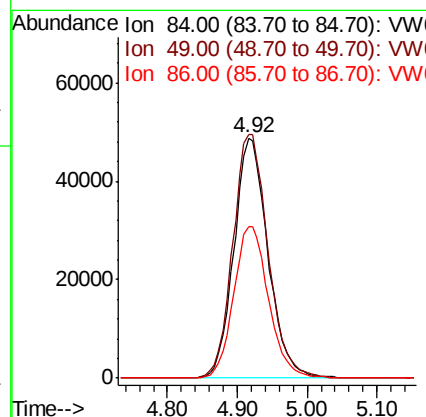
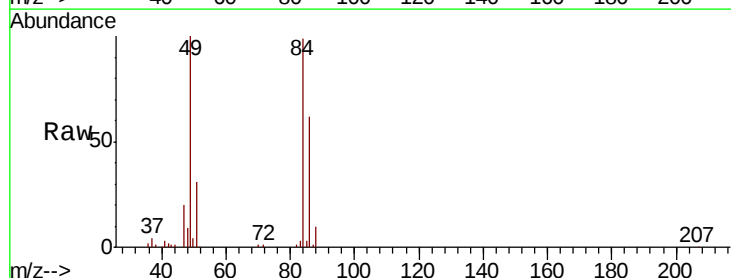
Instrument :
MSVOA_W
ClientSampleId :
VSTD02516

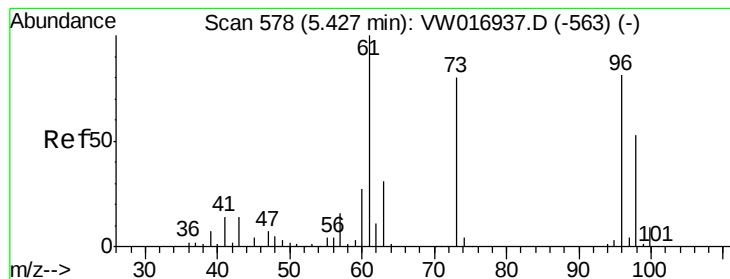
Tot Ion: 43 Resp: 46589
Ion Ratio Lower Upper
43 100
74 28.5 22.7 34.1



#16
Methylene chloride
Concen: 24.436 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW016943.D
Acq: 19 Oct 2020 16:05

Tgt Ion: 84 Resp: 164306
Ion Ratio Lower Upper
84 100
49 101.2 73.1 135.8
86 63.0 46.0 85.4



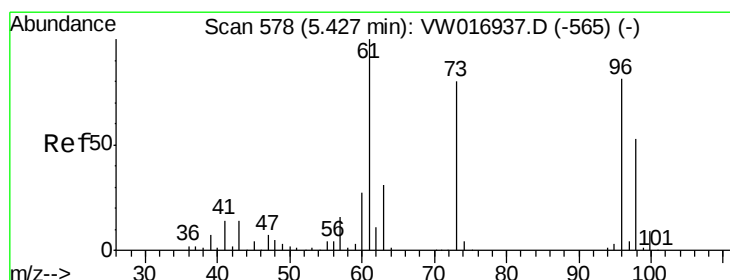
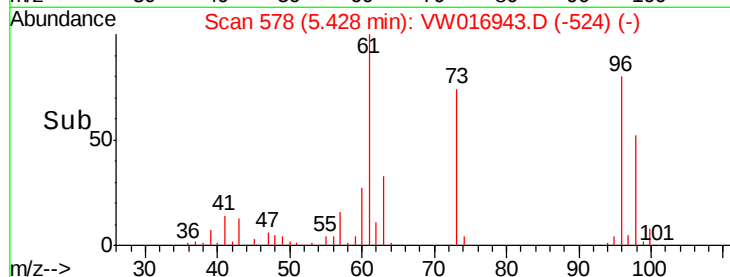
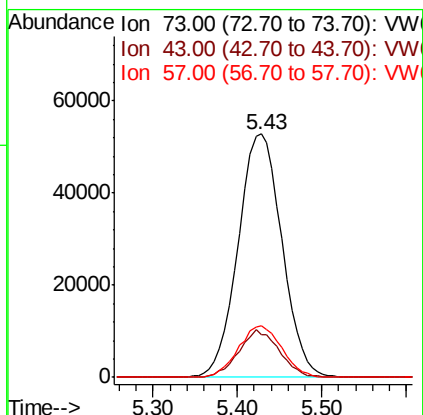
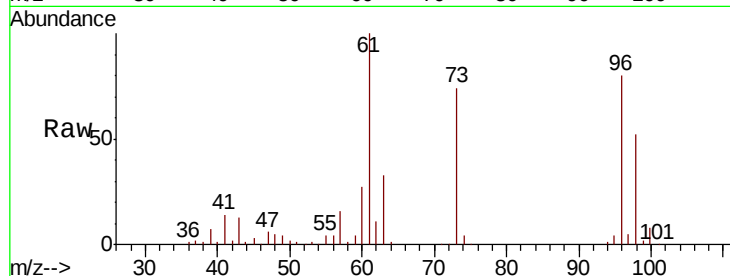


#17

Methvl tert-butvl Ether
 Concen: 26.542 ug/L
 RT: 5.43 min Scan# 578
 Delta R.T. 0.00 min
 Lab File: VW016943.D
 Acq: 19 Oct 2020 16:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02516

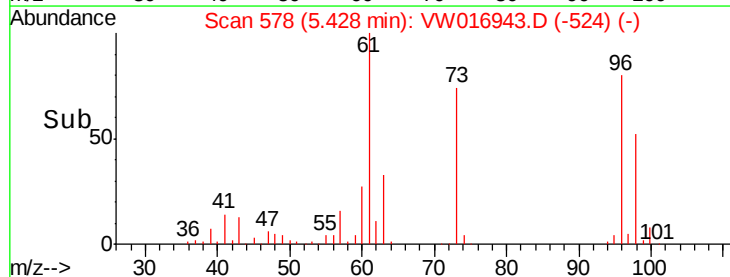
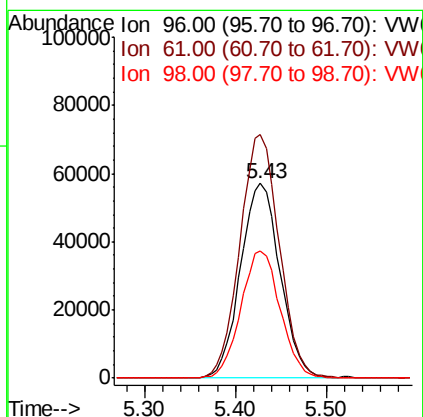
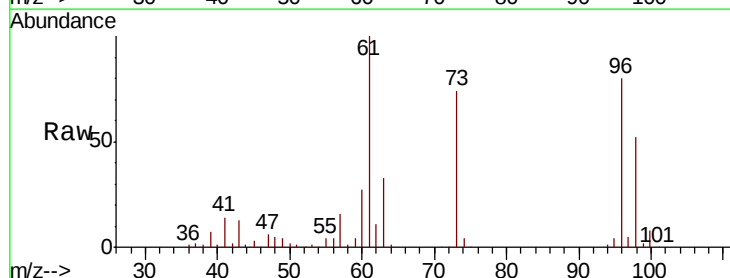
Tot Ion: 73 Resp: 187097
 Ion Ratio Lower Upper
 73 100
 43 18.0 15.0 22.4
 57 20.9 16.4 24.6

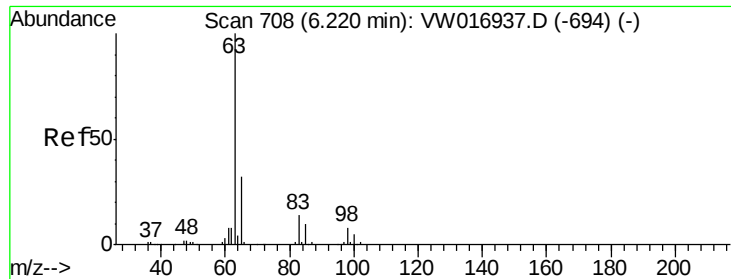


#18

trans-1,2-Dichloroethene
 Concen: 26.312 ug/L
 RT: 5.43 min Scan# 578
 Delta R.T. 0.00 min
 Lab File: VW016943.D
 Acq: 19 Oct 2020 16:05

Tgt Ion: 96 Resp: 173154
 Ion Ratio Lower Upper
 96 100
 61 125.0 82.5 153.3
 98 65.0 43.3 80.5

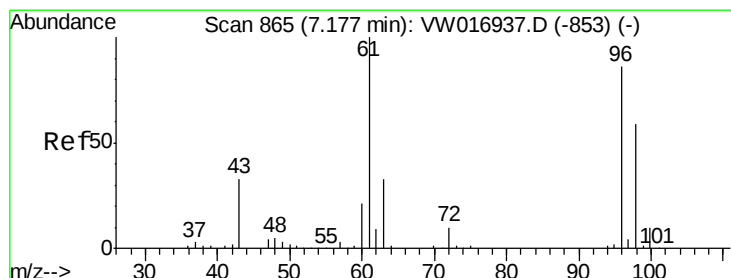
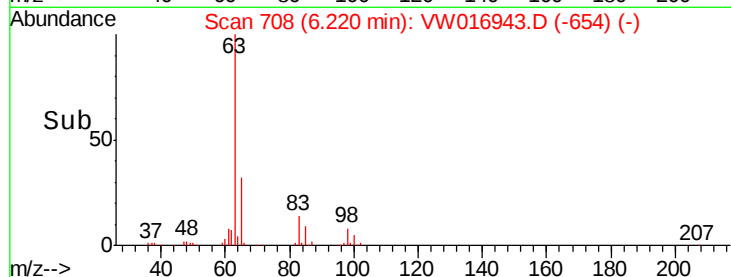
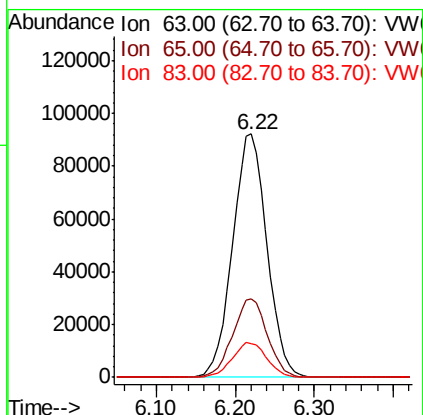
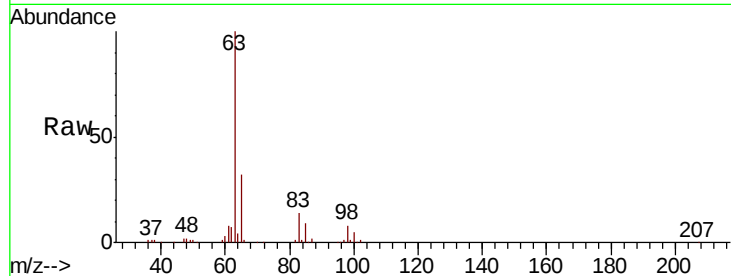




#19
 1,1-Dichloroethane
 Concen: 27.524 ug/L
 RT: 6.22 min Scan# 708
 Delta R.T. 0.00 min
 Lab File: VW016943.D
 Acq: 19 Oct 2020 16:05

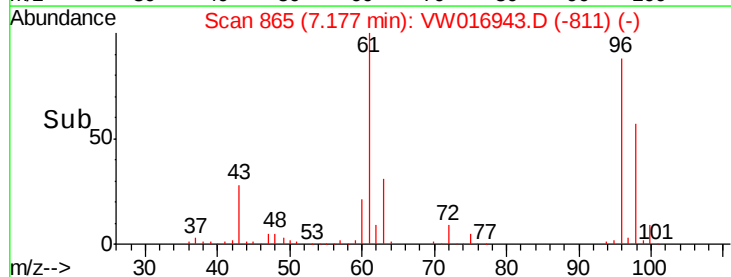
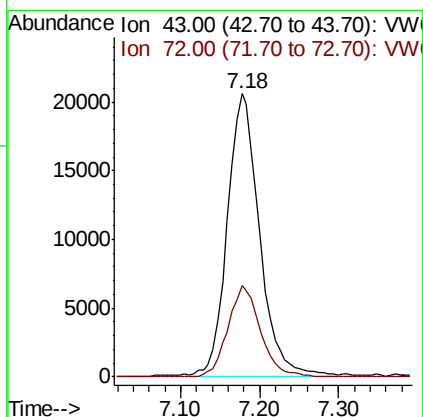
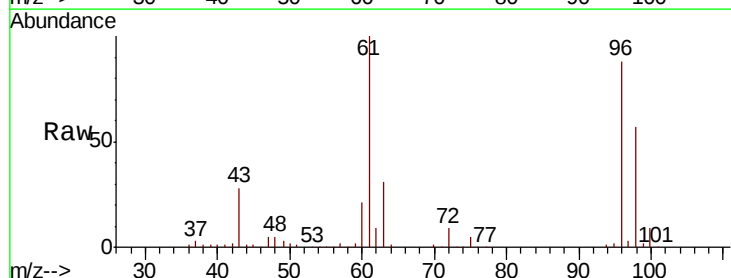
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02516

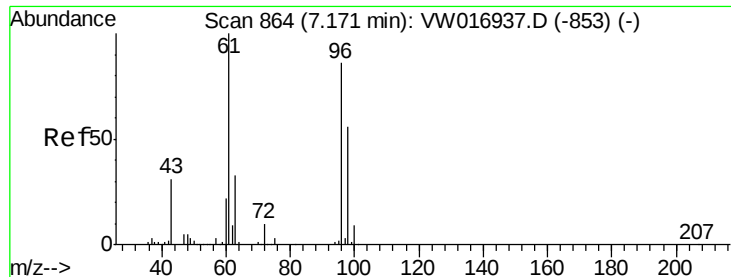
Tot Ion: 63 Resp: 278936
 Ion Ratio Lower Upper
 63 100
 65 32.4 22.7 42.1
 83 13.9 9.9 18.5



#21
 2-Butanone
 Concen: 42.514 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. 0.00 min
 Lab File: VW016943.D
 Acq: 19 Oct 2020 16:05

Tgt Ion: 43 Resp: 58798
 Ion Ratio Lower Upper
 43 100
 72 32.0 16.2 48.5



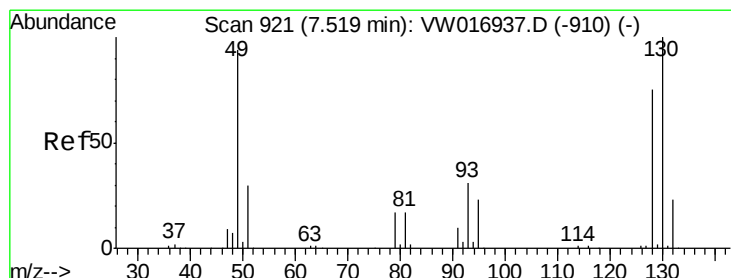
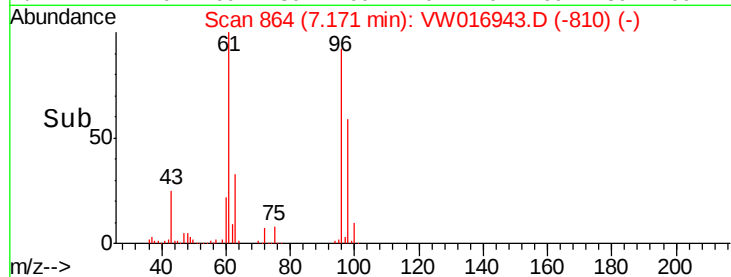
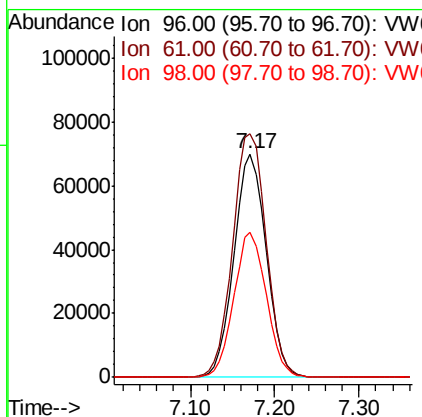
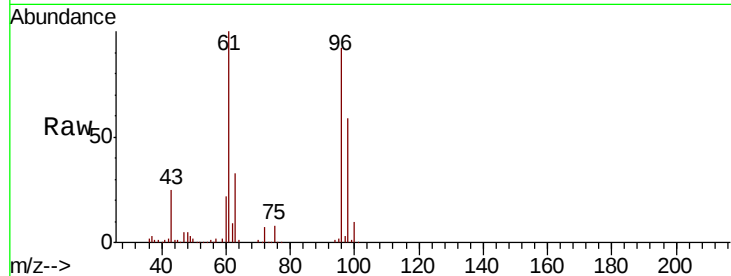


#22

cis-1,2-Dichloroethene
 Concen: 27.077 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW016943.D
 Acq: 19 Oct 2020 16:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02516

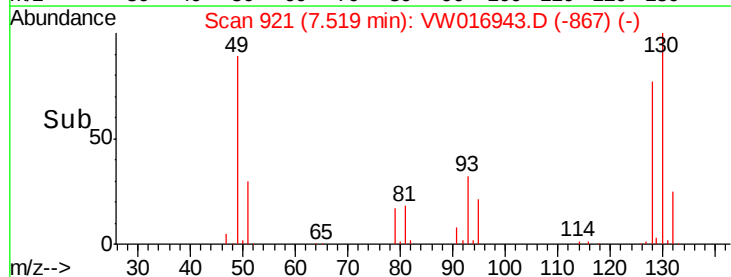
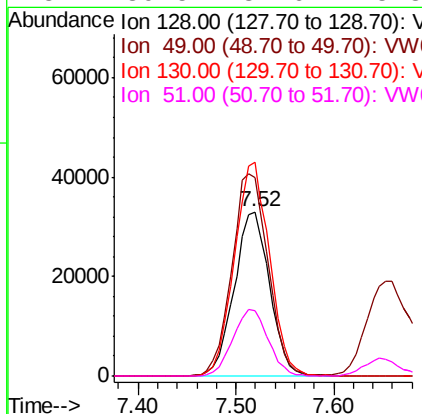
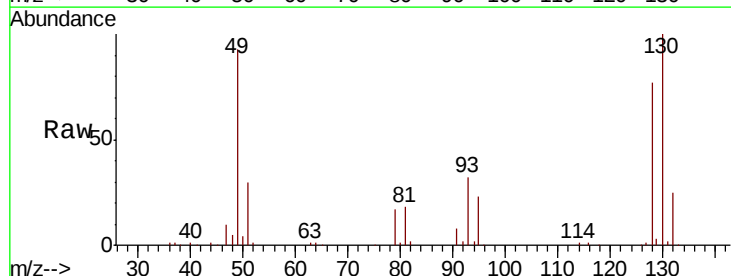
Tot Ion	Ratio	Lower	Upper
96	100		
61	109.0	76.0	141.2
98	64.8	42.7	79.3

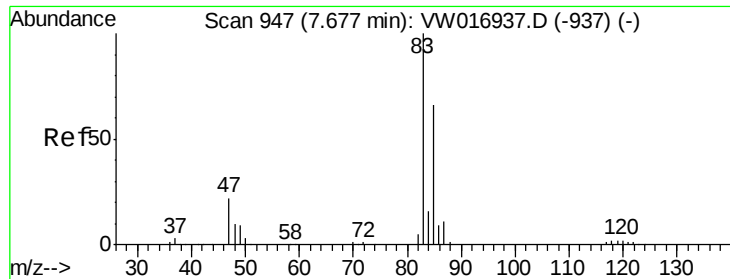


#23

Bromochloromethane
 Concen: 26.326 ug/L
 RT: 7.52 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VW016943.D
 Acq: 19 Oct 2020 16:05

Tgt Ion	Ratio	Lower	Upper
128	100		
49	121.1	88.5	164.3
130	130.0	92.9	172.5
51	39.5	32.6	48.8

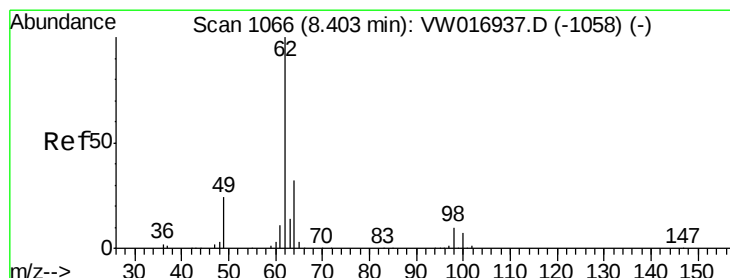
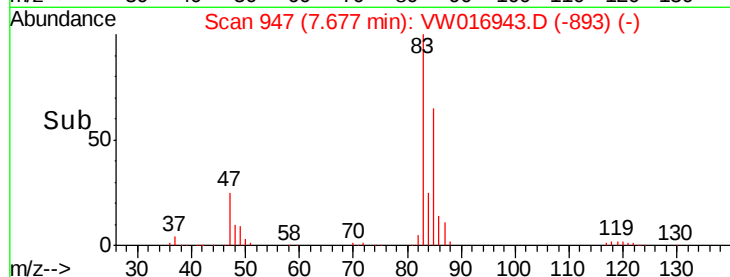
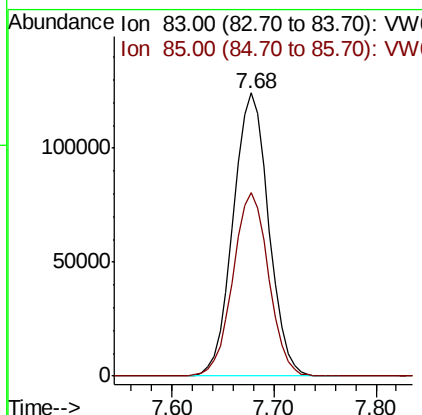
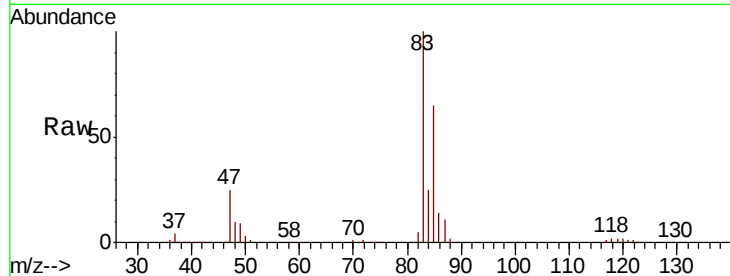




#25
Chloroform
Concen: 27.393 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW016943.D
Acq: 19 Oct 2020 16:05

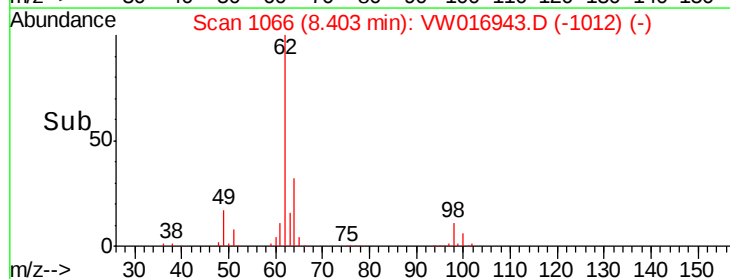
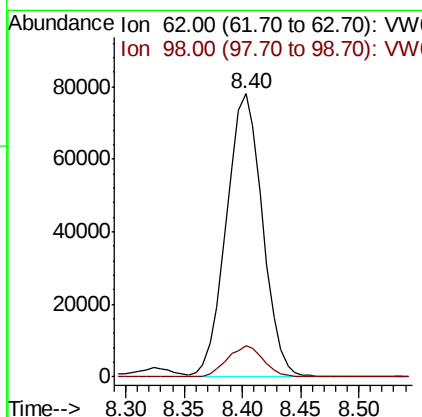
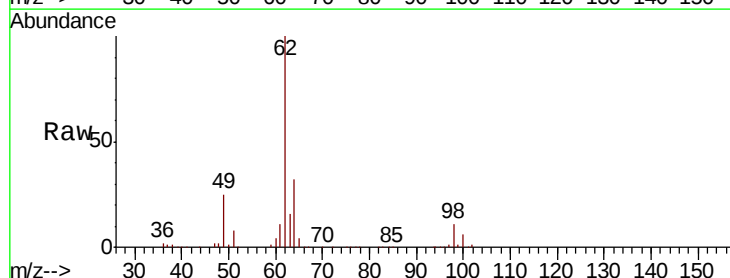
Instrument :
MSVOA_W
ClientSampleId :
VSTD02516

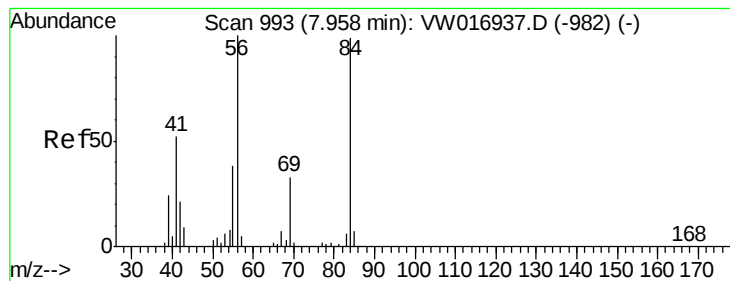
Tot Ion: 83 Resp: 299784
Ion Ratio Lower Upper
83 100
85 65.4 46.9 87.1



#27
1,2-Dichloroethane
Concen: 25.764 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW016943.D
Acq: 19 Oct 2020 16:05

Tgt Ion: 62 Resp: 168671
Ion Ratio Lower Upper
62 100
98 11.0 8.6 12.8





#30

Cyclohexane

Concen: 26.292 ug/L

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW016943.D

Acq: 19 Oct 2020 16:05

Instrument :

MSVOA_W

ClientSampleId :

VSTD02516

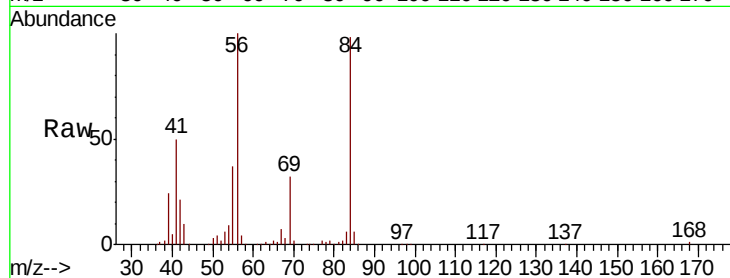
Tot Ion: 56 Resp: 243333

Ion Ratio Lower Upper

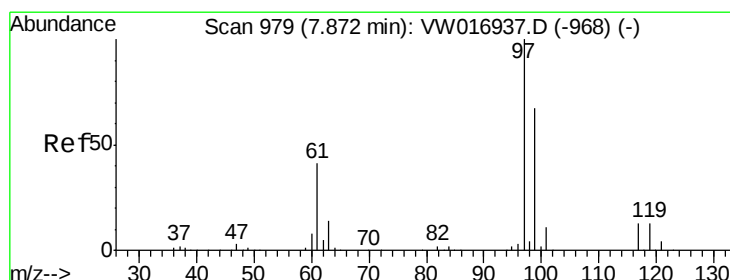
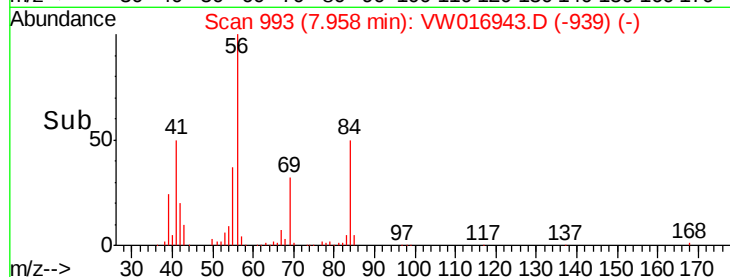
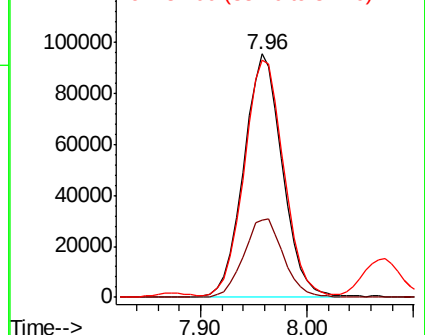
56 100

69 33.1 26.1 39.1

84 100.1 79.3 118.9



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: 27.242 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW016943.D

Acq: 19 Oct 2020 16:05

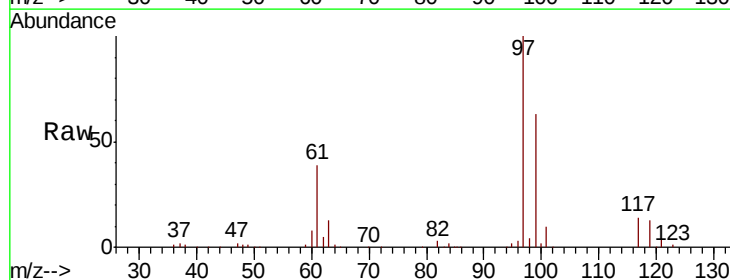
Tgt Ion: 97 Resp: 258538

Ion Ratio Lower Upper

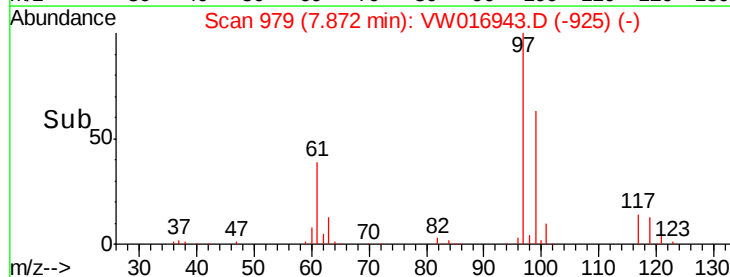
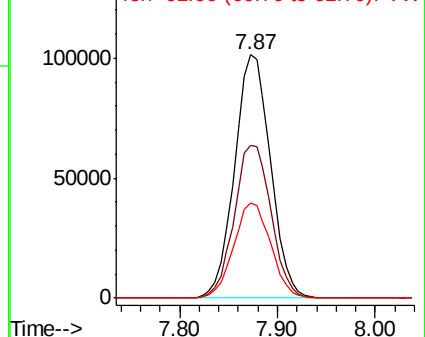
97 100

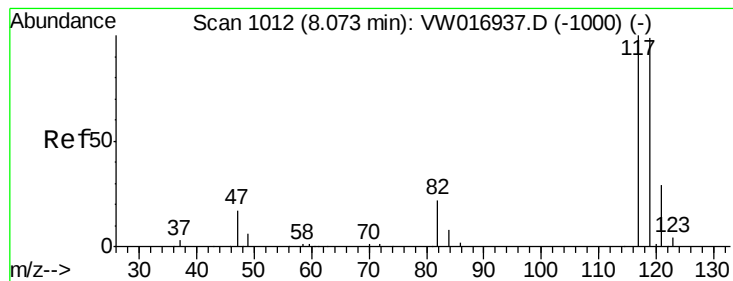
99 64.5 51.5 77.3

61 40.1 32.5 48.7



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: 27.235 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VW016943.D

Acq: 19 Oct 2020 16:05

Instrument :

MSVOA_W

ClientSampleId :

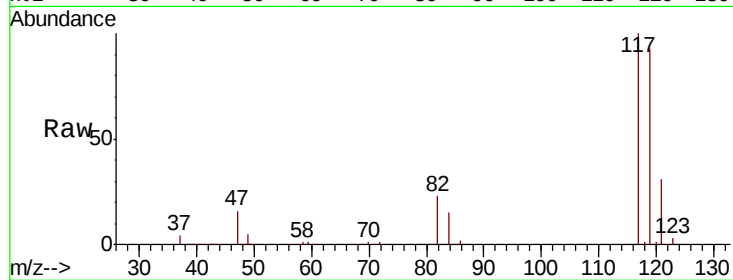
VSTD02516

Tot Ion:117 Resp: 252231

Ion Ratio Lower Upper

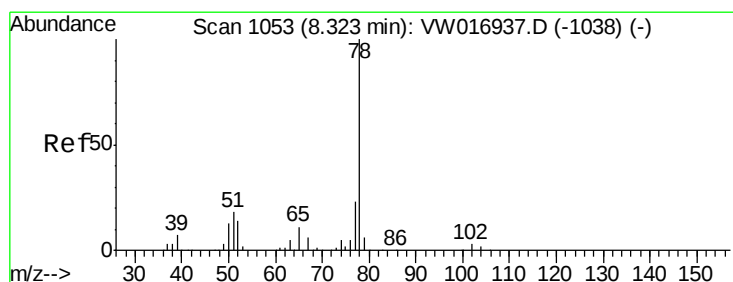
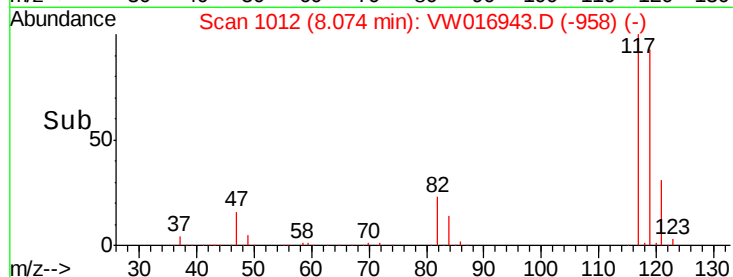
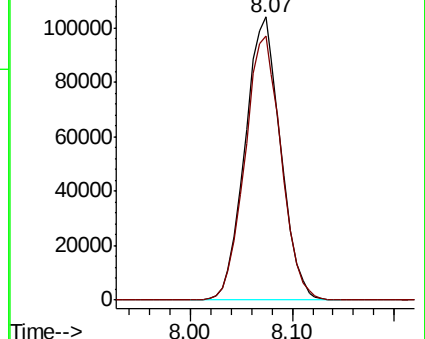
117 100

119 95.4 77.4 116.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 27.072 ug/L

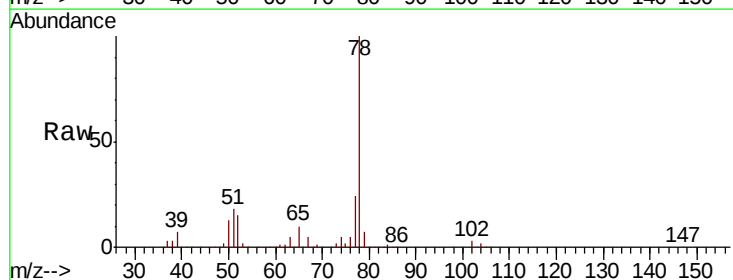
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

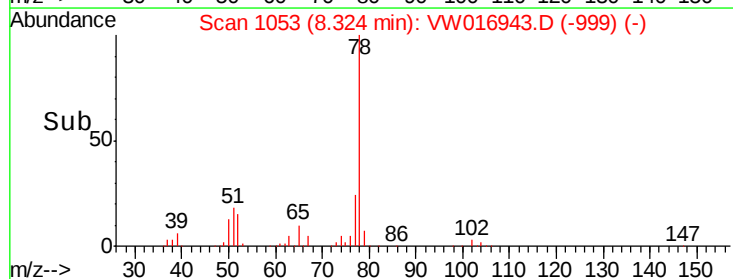
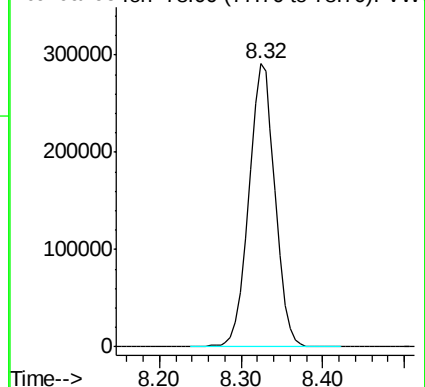
Lab File: VW016943.D

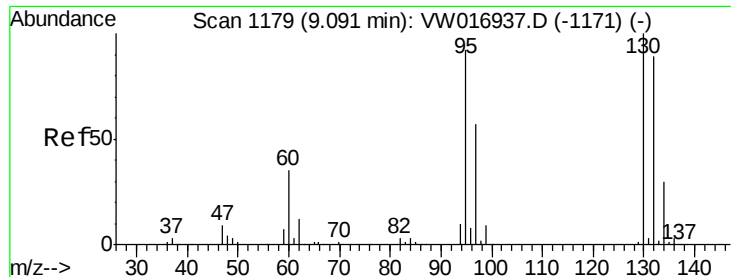
Acq: 19 Oct 2020 16:05

Tgt Ion: 78 Resp: 648810



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 26.593 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW016943.D

Acq: 19 Oct 2020 16:05

Instrument :

MSVOA_W

ClientSampleId :

VSTD02516

Tot Ion: 95 Resp: 180276

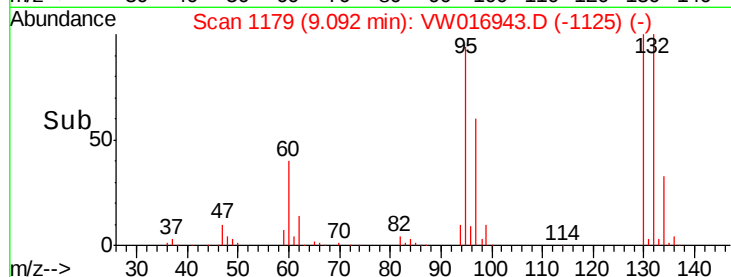
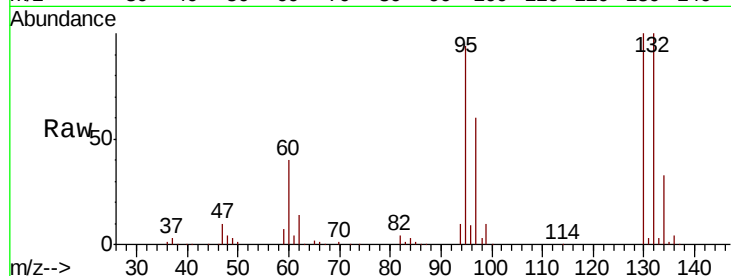
Ion Ratio Lower Upper

95 100

97 64.6 44.7 83.1

132 105.1 73.8 137.2

130 110.4 77.1 143.3

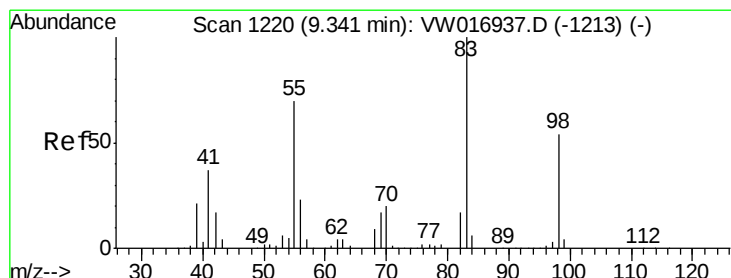
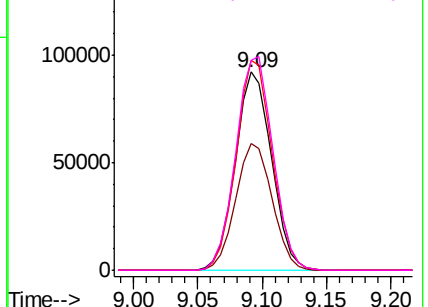


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 26.434 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.01 min

Lab File: VW016943.D

Acq: 19 Oct 2020 16:05

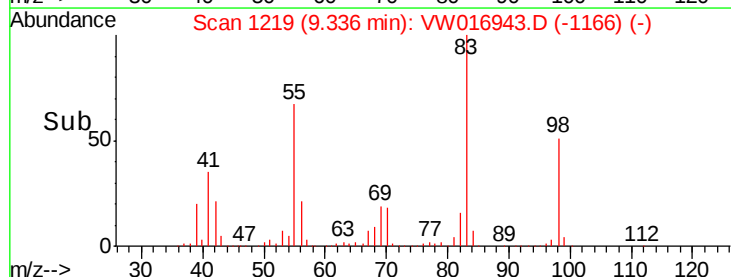
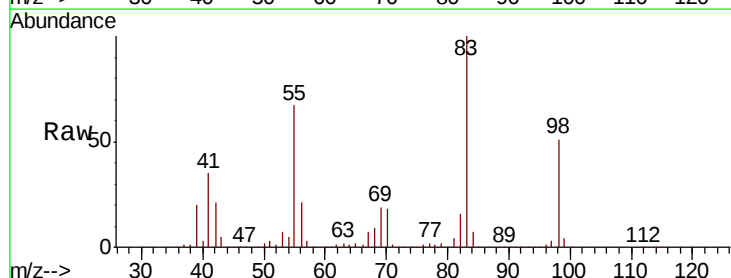
Tgt Ion: 83 Resp: 301302

Ion Ratio Lower Upper

83 100

55 68.0 54.2 81.4

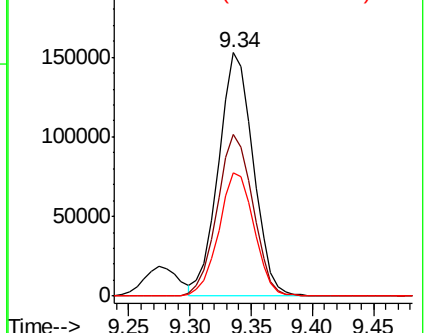
98 51.6 41.4 62.2

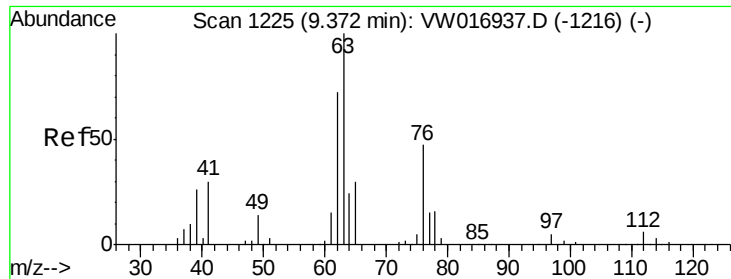


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

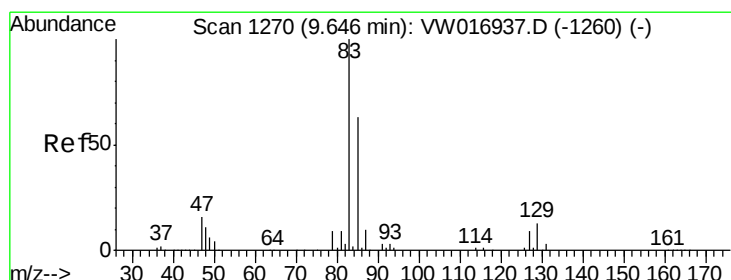
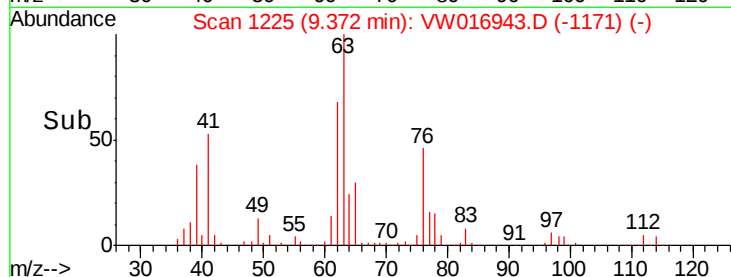
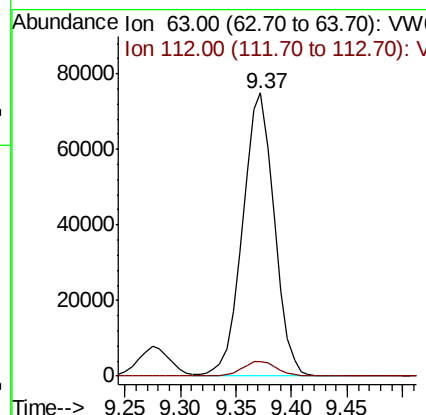
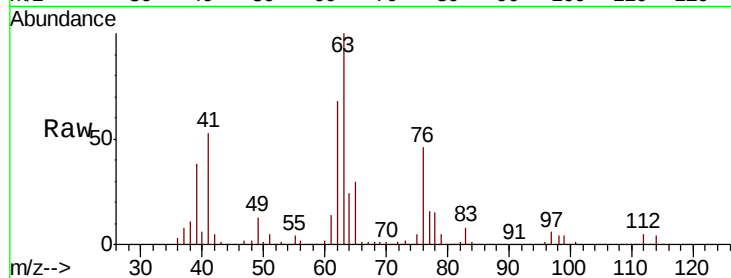




#40
 1,2-Dichloropropane
 Concen: 27.326 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW016943.D
 Acq: 19 Oct 2020 16:05

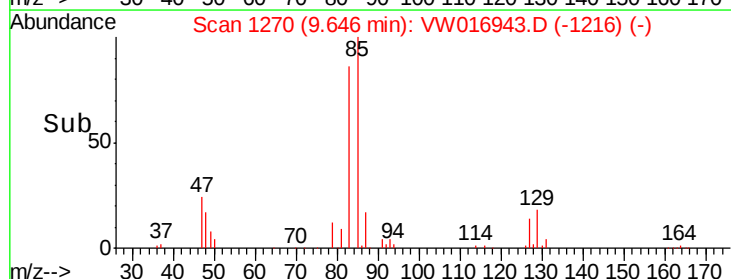
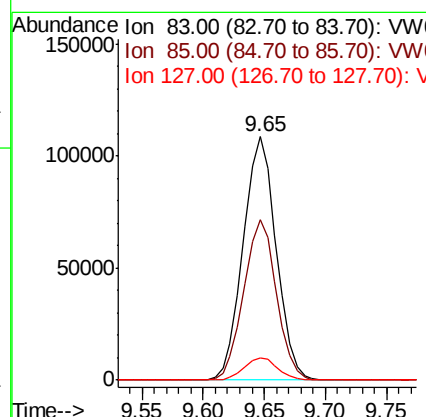
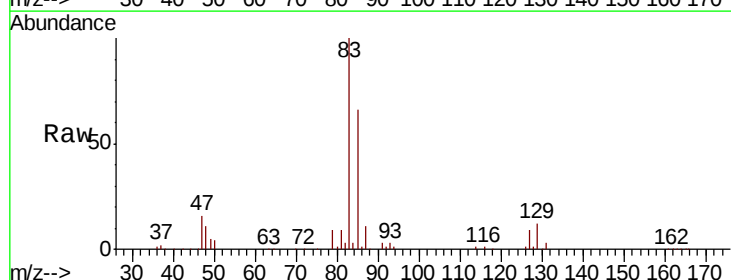
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02516

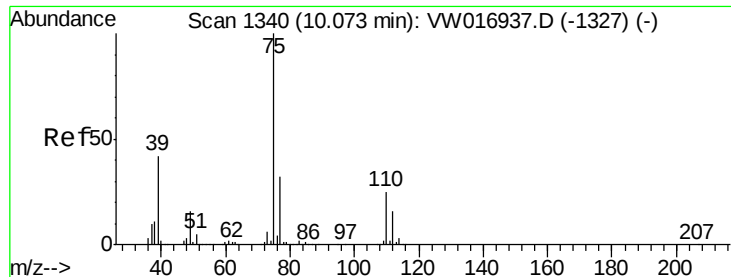
Tot Ion: 63 Resp: 148086
 Ion Ratio Lower Upper
 63 100
 112 5.5 4.5 6.7



#41
 Bromodichloromethane
 Concen: 26.710 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW016943.D
 Acq: 19 Oct 2020 16:05

Tgt Ion: 83 Resp: 203345
 Ion Ratio Lower Upper
 83 100
 85 65.8 46.2 85.8
 127 9.3 7.5 11.3





#42

cis-1,3-Dichloropropene

Concen: 27.152 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW016943.D

Acq: 19 Oct 2020 16:05

Instrument :

MSVOA_W

ClientSampled :

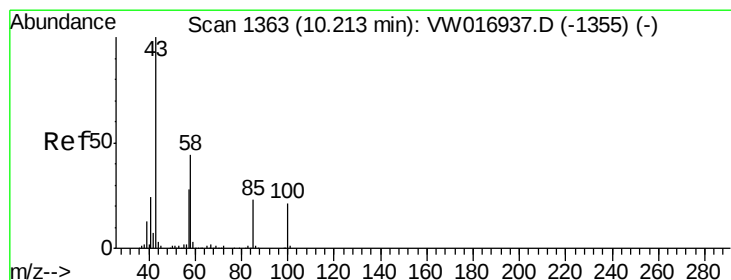
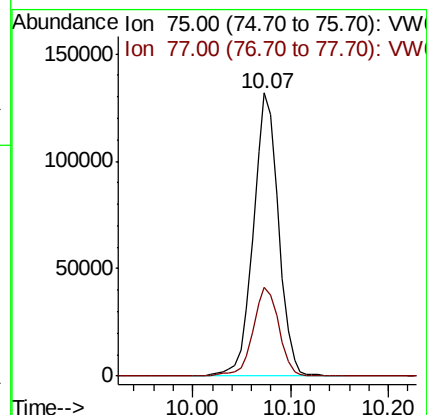
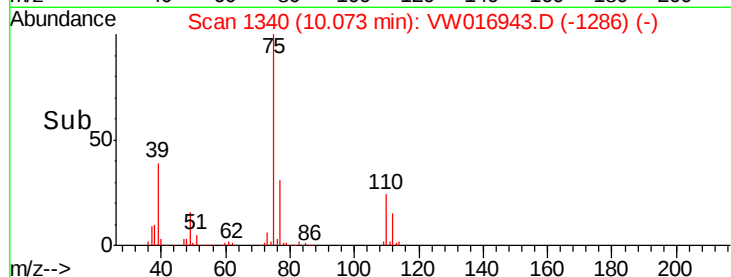
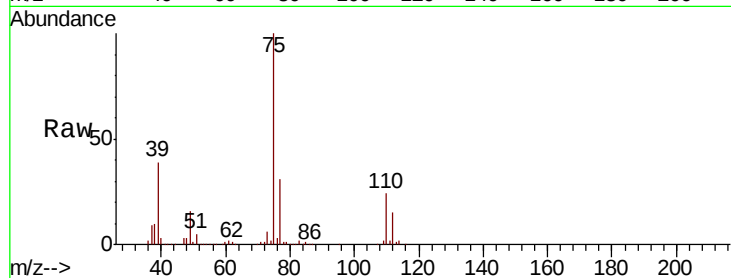
VSTD02516

Tot Ion: 75 Resp: 234596

Ion Ratio Lower Upper

75 100

77 31.3 22.1 41.1



#43

4-Methyl-2-pentanone

Concen: 48.534 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW016943.D

Acq: 19 Oct 2020 16:05

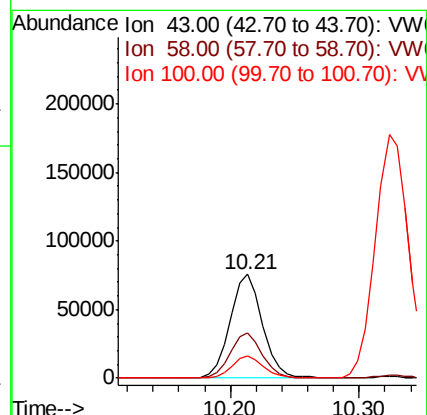
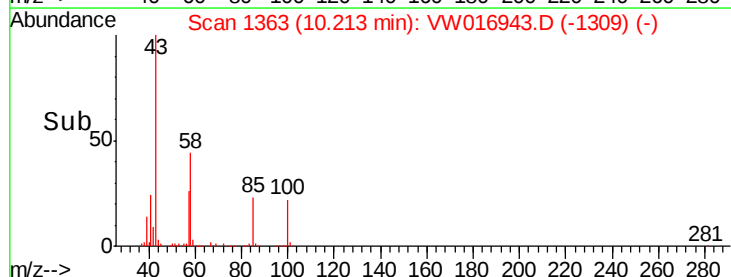
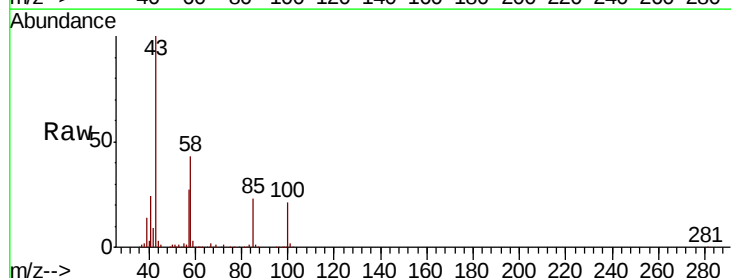
Tgt Ion: 43 Resp: 132414

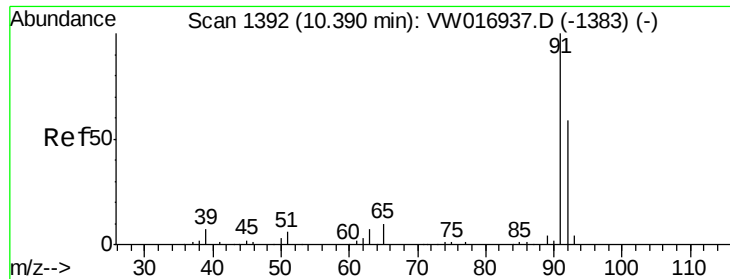
Ion Ratio Lower Upper

43 100

58 43.0 34.7 52.1

100 20.5 16.9 25.3





#44

Toluene

Concen: 27.066 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW016943.D

Acq: 19 Oct 2020 16:05

Instrument :

MSVOA_W

ClientSampleId :

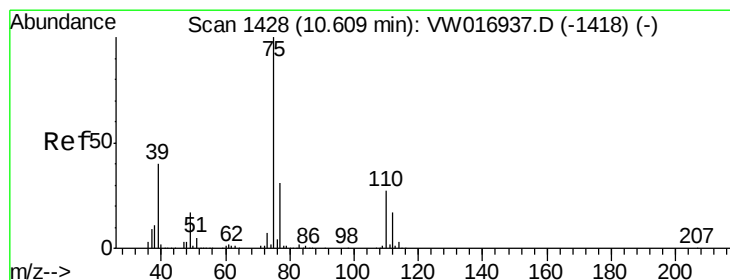
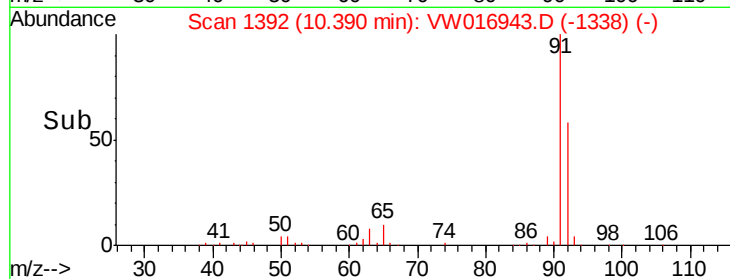
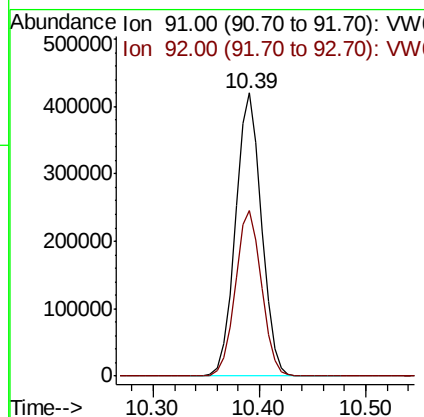
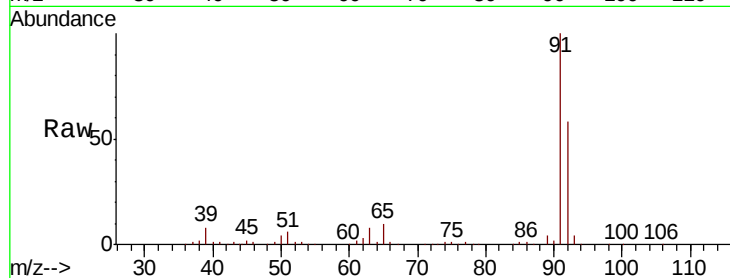
VSTD02516

Tot Ion: 91 Resp: 719604

Ion Ratio Lower Upper

91 100

92 58.5 39.4 73.2



#45

trans-1,3-Dichloropropene

Concen: 26.661 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW016943.D

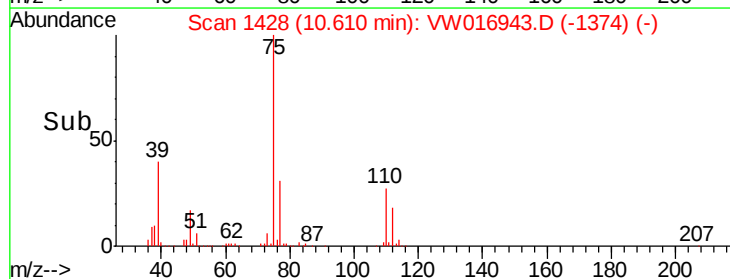
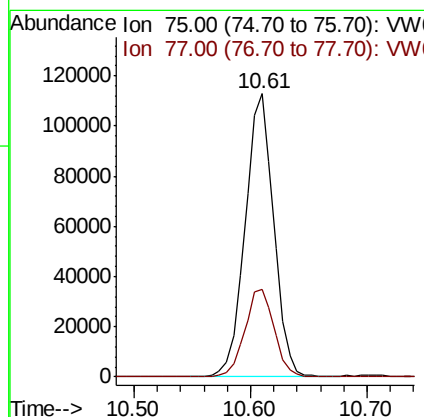
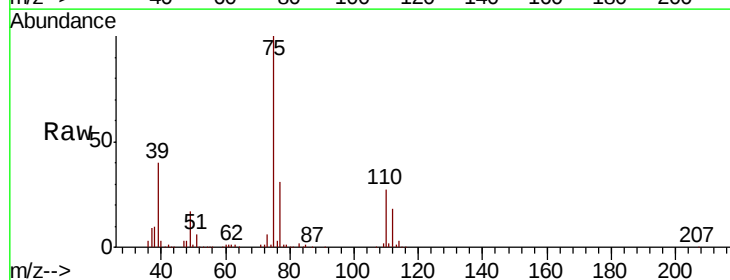
Acq: 19 Oct 2020 16:05

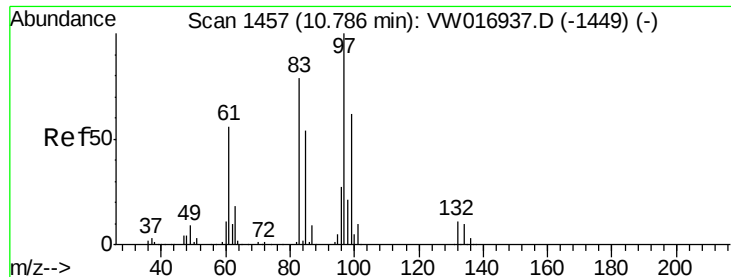
Tgt Ion: 75 Resp: 193841

Ion Ratio Lower Upper

75 100

77 31.1 22.2 41.2

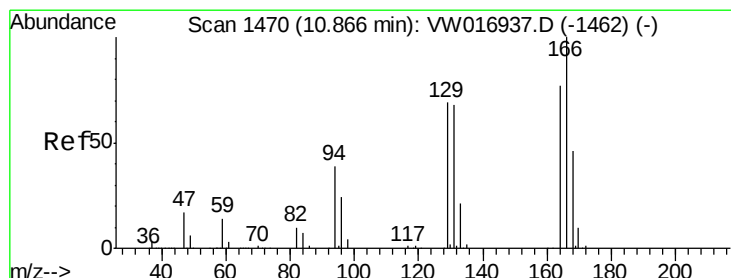
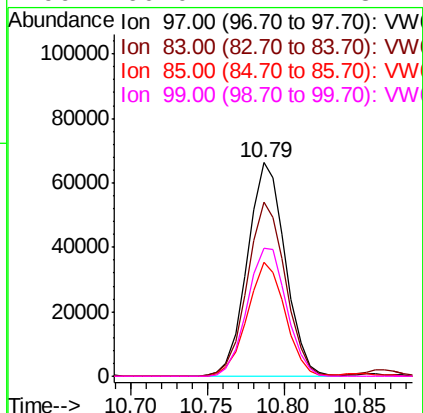
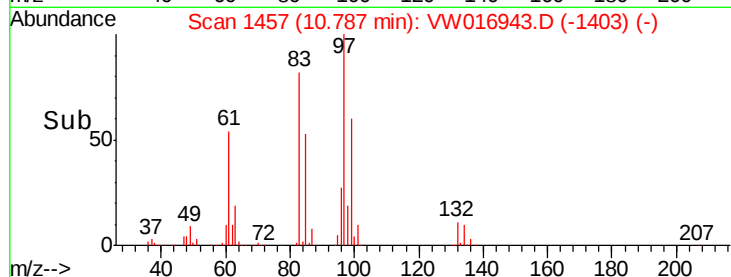
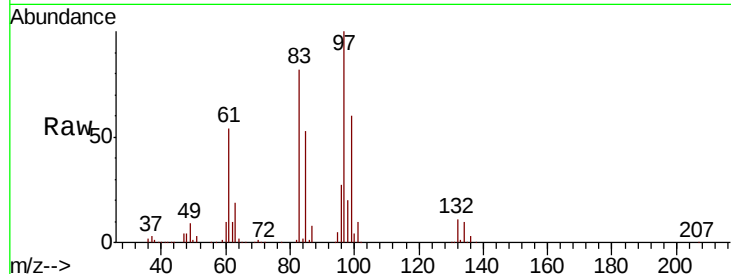




#46
 1,1,2-Trichloroethane
 Concen: 25.930 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW016943.D
 Acq: 19 Oct 2020 16:05

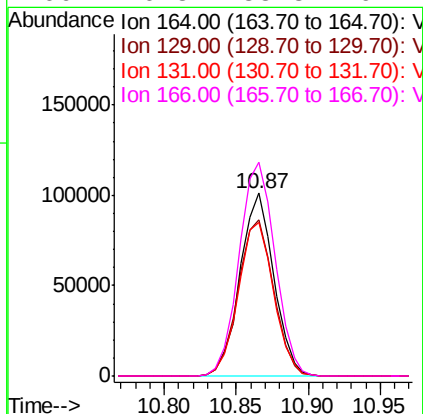
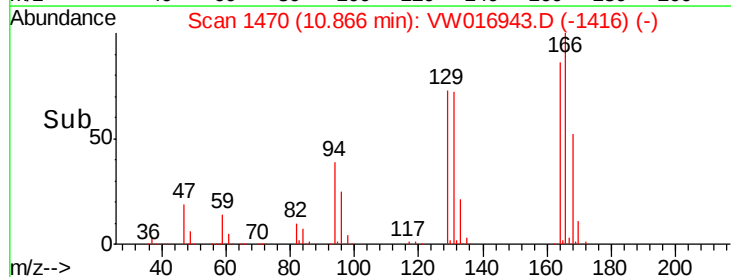
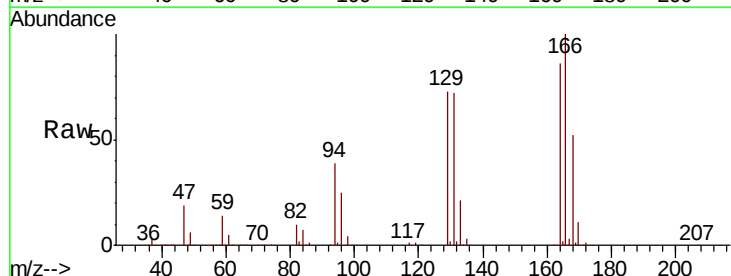
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02516

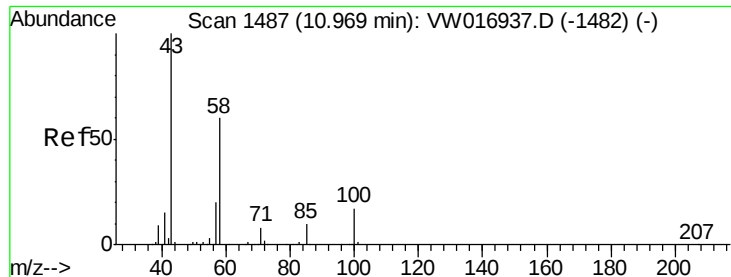
Tot Ion:	97	Resp:	114231
Ion	Ratio	Lower	Upper
97	100		
83	81.6	56.8	105.4
85	53.3	37.0	68.6
99	60.0	44.2	82.2



#47
 Tetrachloroethene
 Concen: 26.268 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: VW016943.D
 Acq: 19 Oct 2020 16:05

Tgt Ion:	164	Resp:	165089
Ion	Ratio	Lower	Upper
164	100		
129	85.7	61.7	114.7
131	84.2	59.7	110.9
166	116.8	88.3	164.1





#49

2-Hexanone

Concen: 49.030 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW016943.D

Acq: 19 Oct 2020 16:05

Instrument :

MSVOA_W

ClientSampleId :

VSTD02516

Tot Ion: 43 Resp: 88294

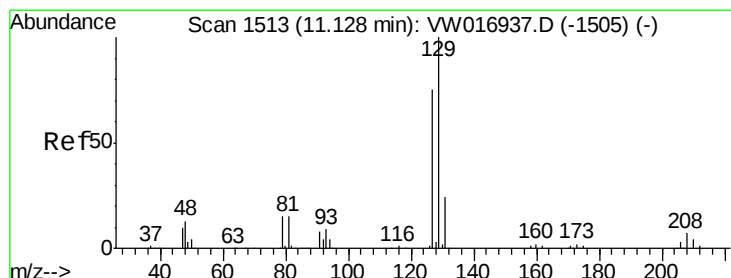
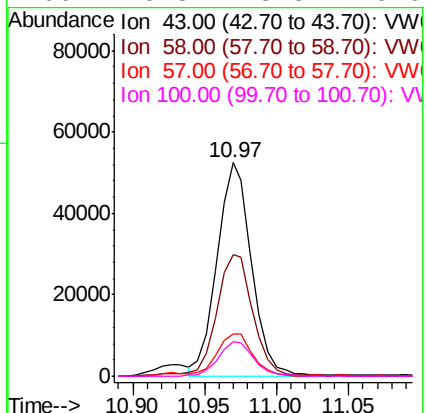
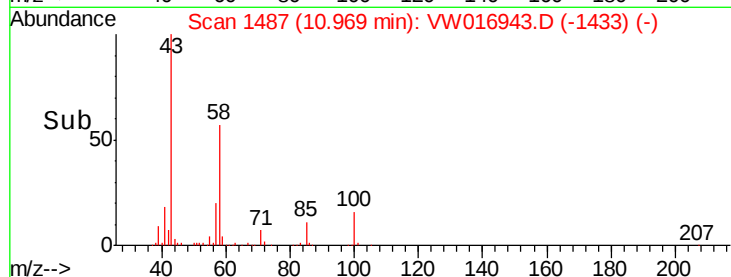
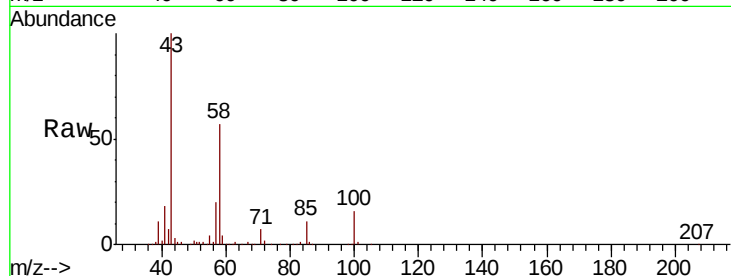
Ion Ratio Lower Upper

43 100

58 58.9 47.1 70.7

57 20.4 16.2 24.4

100 16.3 13.3 19.9



#50

Dibromochloromethane

Concen: 26.600 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW016943.D

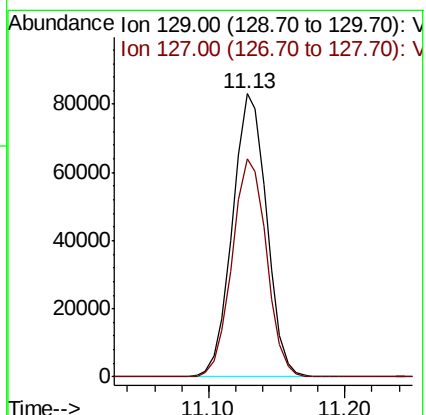
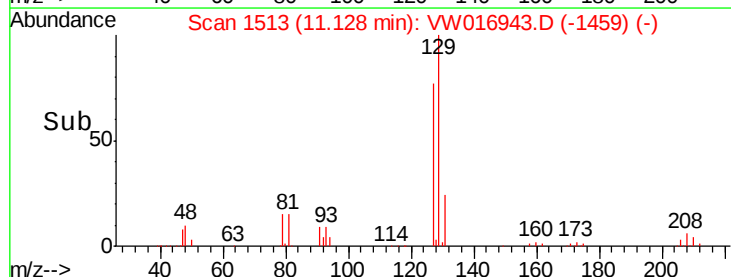
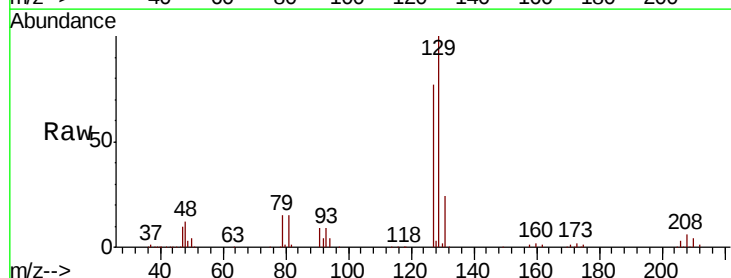
Acq: 19 Oct 2020 16:05

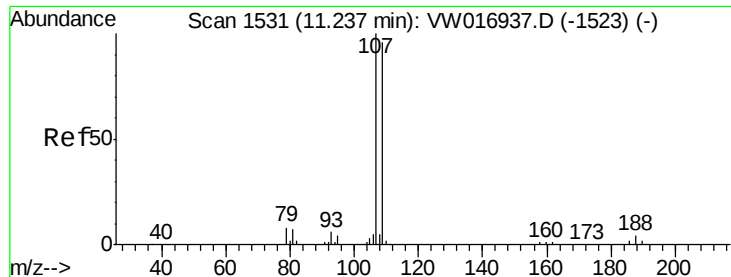
Tgt Ion: 129 Resp: 145677

Ion Ratio Lower Upper

129 100

127 76.9 54.0 100.4

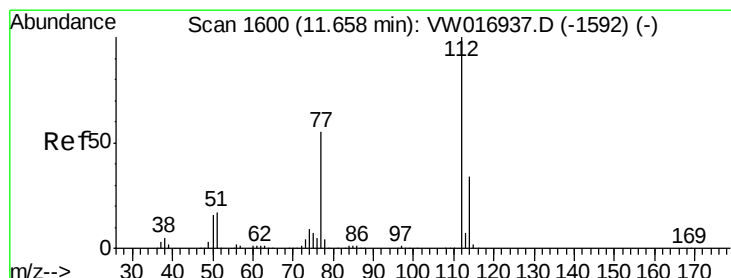
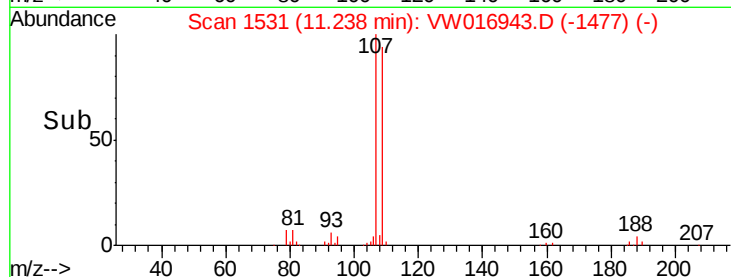
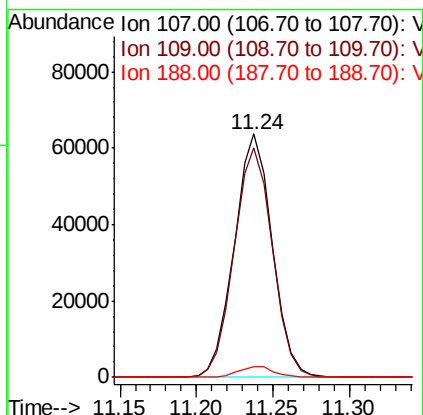
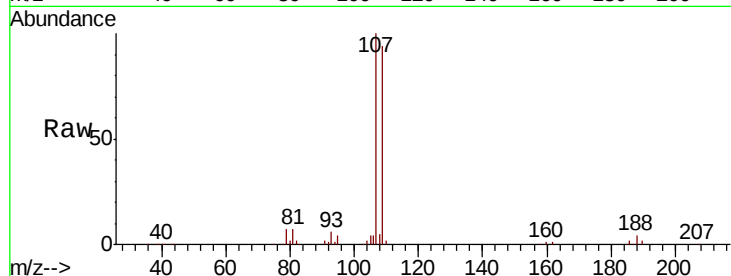




#51
1,2-Dibromoethane
Concen: 25.270 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW016943.D
Acq: 19 Oct 2020 16:05

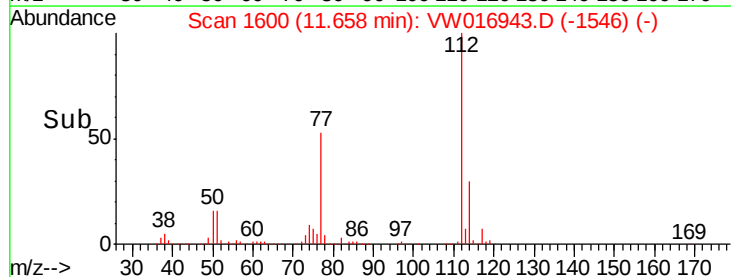
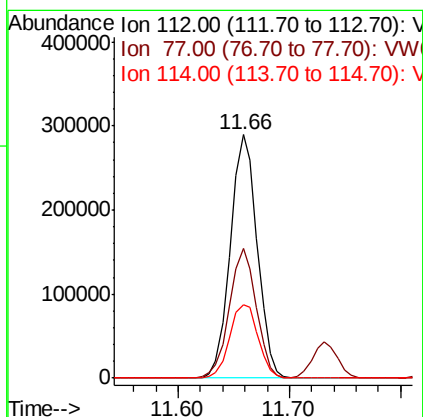
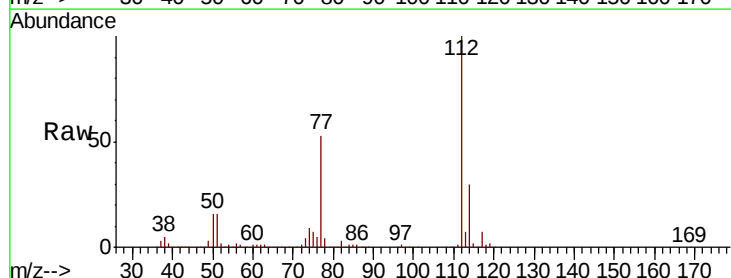
Instrument :
MSVOA_W
ClientSampleId :
VSTD02516

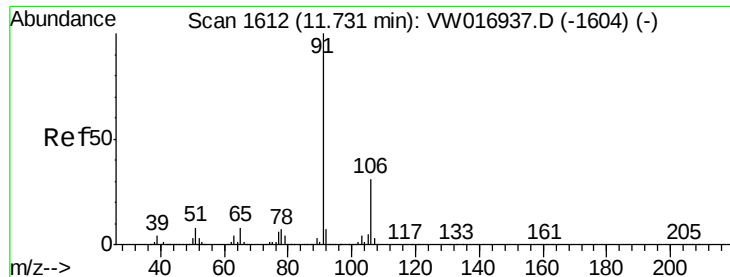
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.0	68.4	127.0
188	4.1	3.4	5.0



#52
Chlorobenzene
Concen: 27.002 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW016943.D
Acq: 19 Oct 2020 16:05

Tgt Ion	Ratio	Lower	Upper
112	100		
77	53.2	44.0	66.0
114	29.9	22.3	41.3

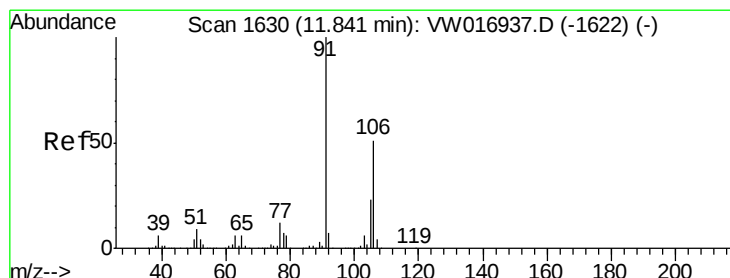
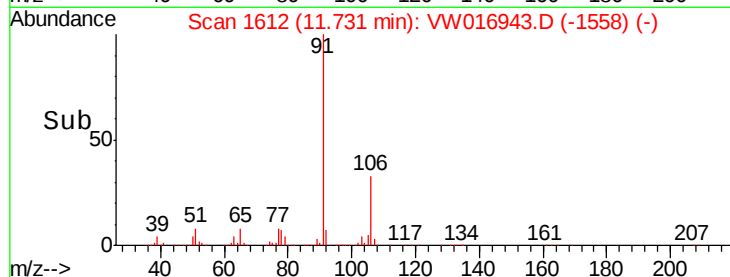
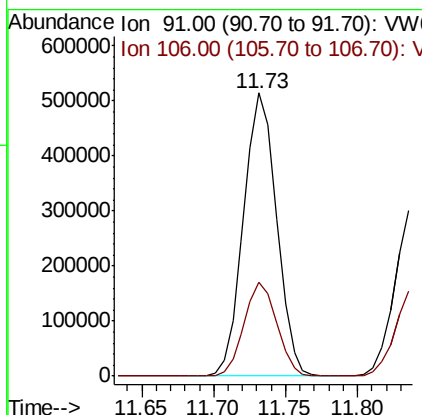
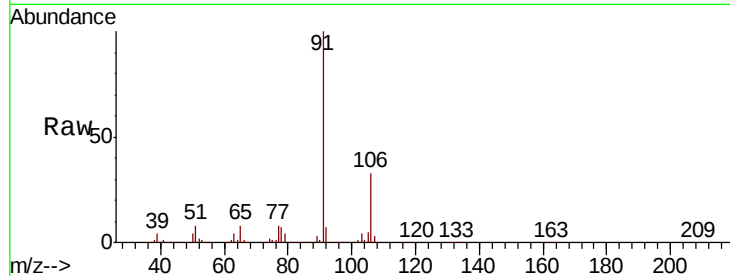




#53
Ethylbenzene
Concen: 27.483 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW016943.D
Acq: 19 Oct 2020 16:05

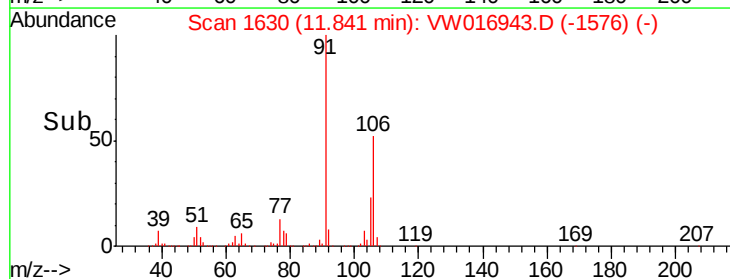
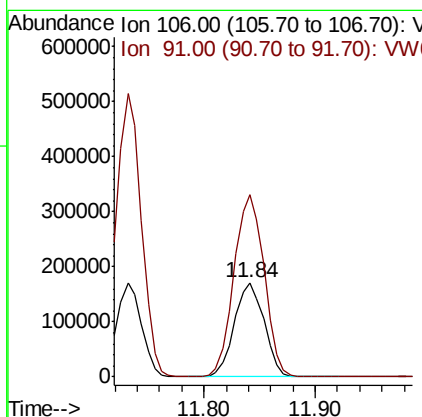
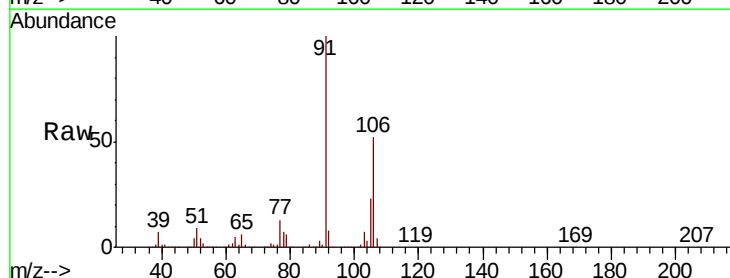
Instrument :
MSVOA_W
ClientSampleId :
VSTD02516

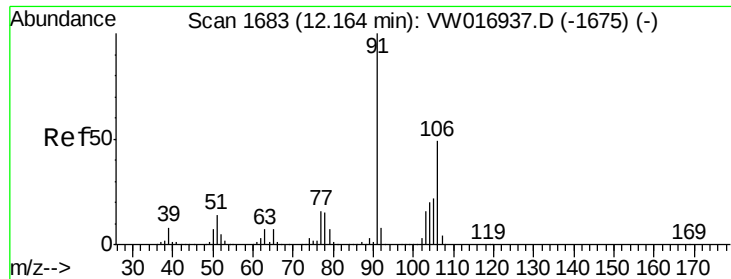
Tot Ion: 91 Resp: 819683
Ion Ratio Lower Upper
91 100
106 33.2 22.8 42.4



#54
m,p-Xylene
Concen: 27.481 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW016943.D
Acq: 19 Oct 2020 16:05

Tgt Ion: 106 Resp: 318765
Ion Ratio Lower Upper
106 100
91 192.6 135.6 251.8

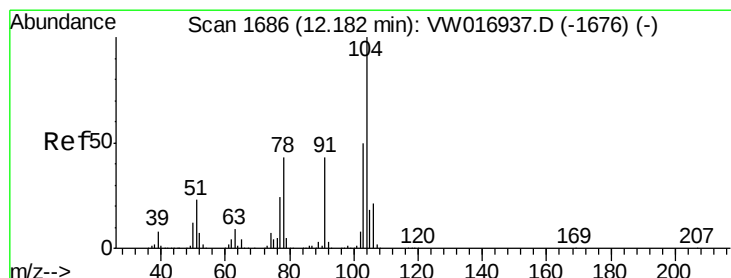
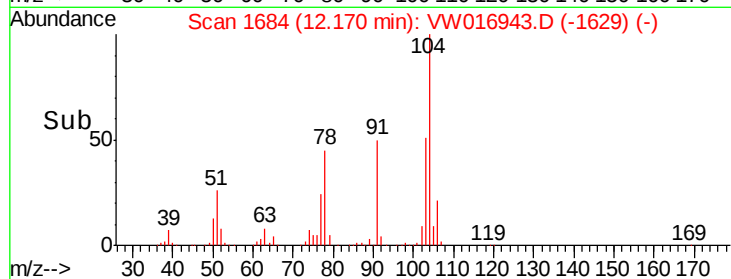
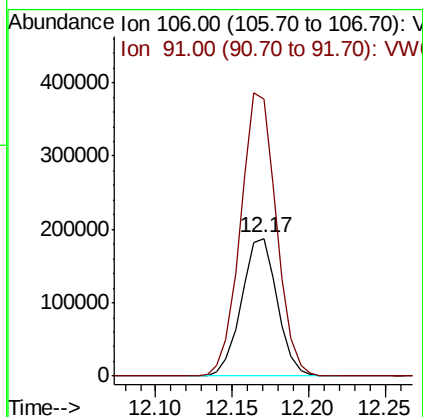
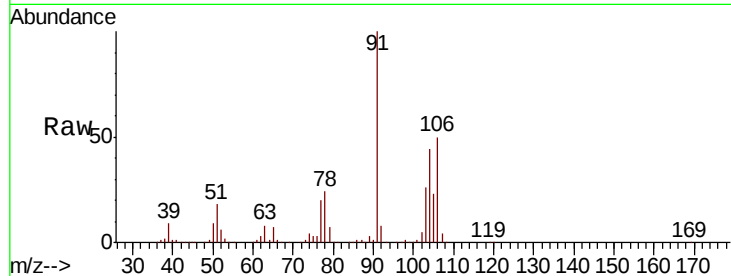




#55
o-xylene
Concen: 27.400 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW016943.D
Acq: 19 Oct 2020 16:05

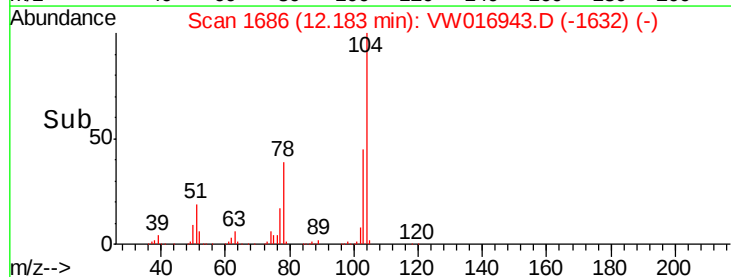
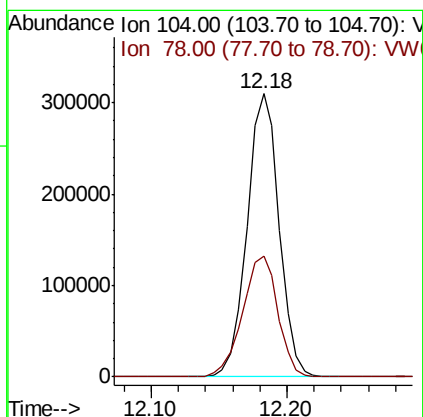
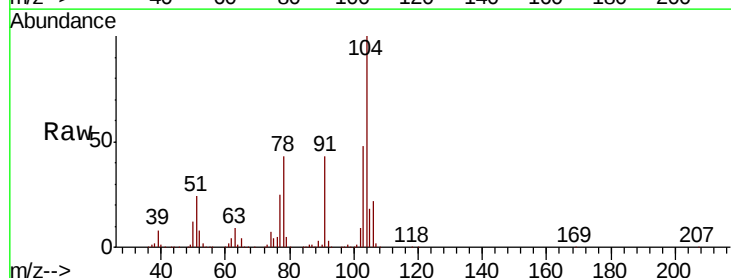
Instrument :
MSVOA_W
ClientSampleId :
VSTD02516

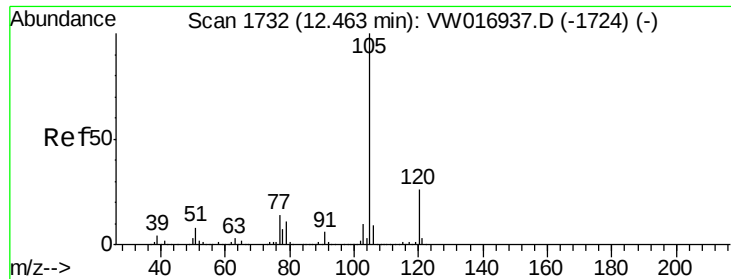
Tot Ion:106 Resp: 303666
Ion Ratio Lower Upper
106 100
91 201.4 142.6 264.8



#56
Styrene
Concen: 27.929 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW016943.D
Acq: 19 Oct 2020 16:05

Tgt Ion:104 Resp: 510774
Ion Ratio Lower Upper
104 100
78 42.5 30.7 57.1





#57

Isopropylbenzene

Concen: 27.693 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW016943.D

Acq: 19 Oct 2020 16:05

Instrument :

MSVOA_W

ClientSampleId :

VSTD02516

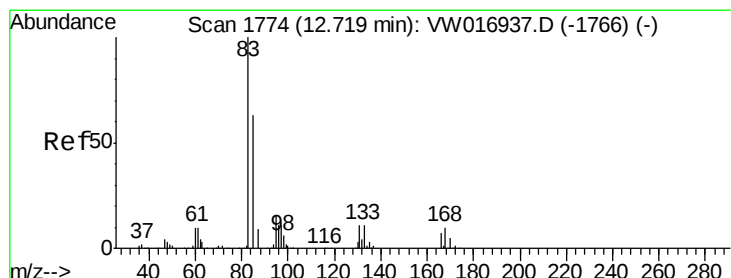
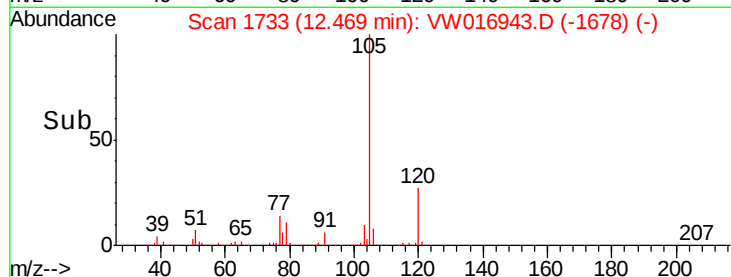
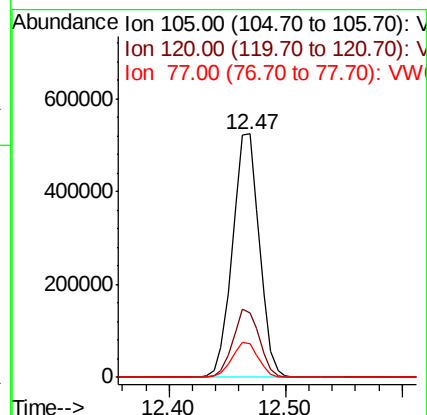
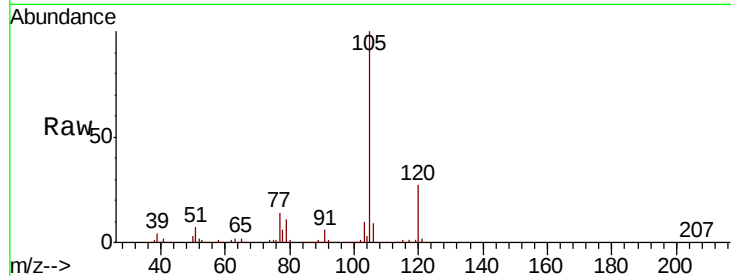
Tot Ion:105 Resp: 840408

Ion Ratio Lower Upper

105 100

120 27.7 21.5 32.3

77 14.3 11.4 17.2



#58

1,1,2,2-Tetrachloroethane

Concen: 25.223 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW016943.D

Acq: 19 Oct 2020 16:05

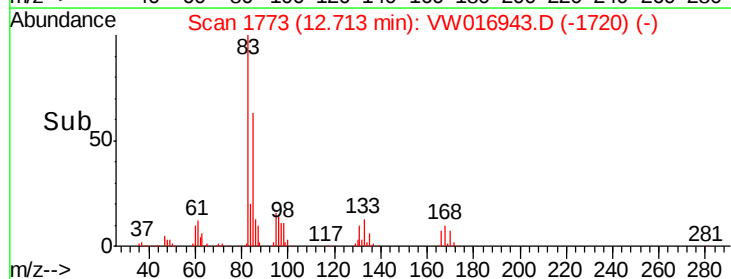
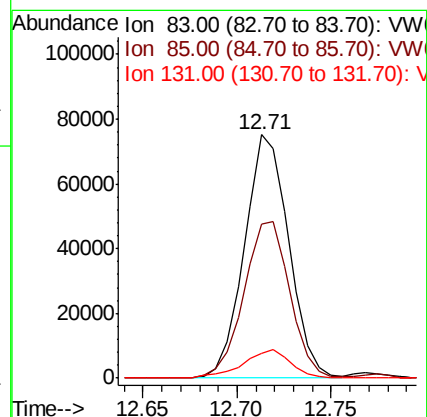
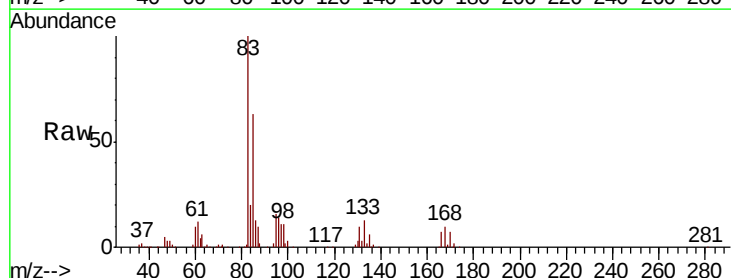
Tgt Ion: 83 Resp: 122802

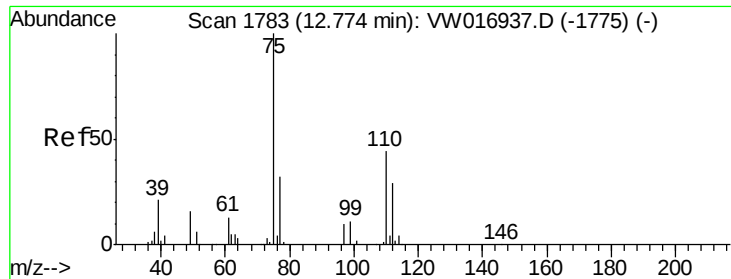
Ion Ratio Lower Upper

83 100

85 63.2 43.3 80.5

131 10.2 9.0 13.4





#59

1,2,3-Trichloropropane

Concen: 24.852 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW016943.D

Acq: 19 Oct 2020 16:05

Instrument :

MSVOA_W

ClientSampleId :

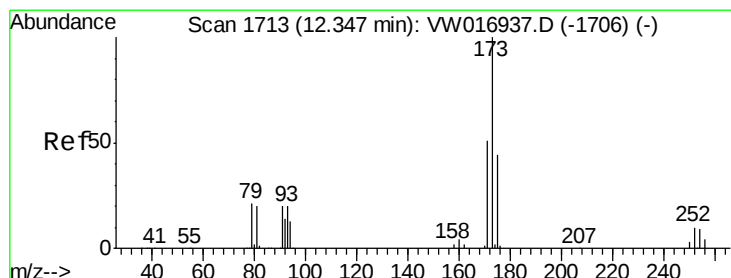
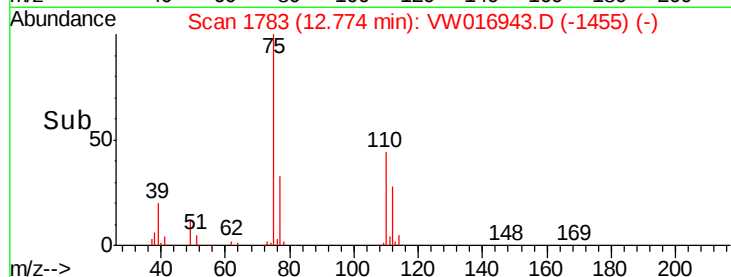
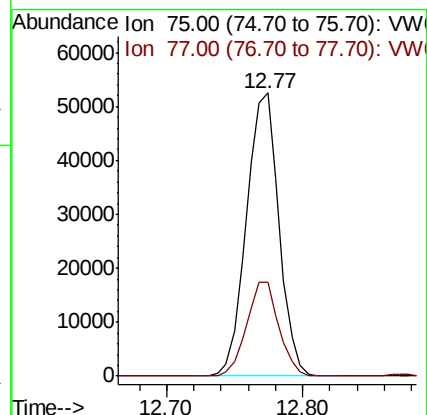
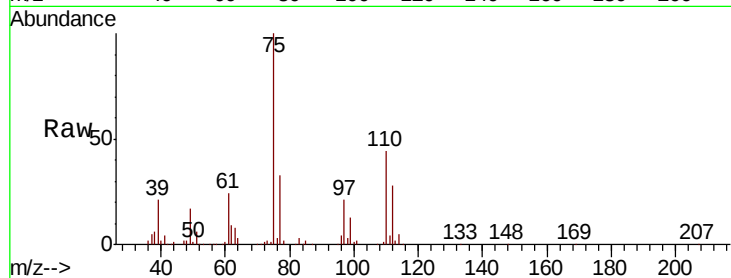
VSTD02516

Tot Ion: 75 Resp: 87651

Ion Ratio Lower Upper

75 100

77 32.8 26.2 39.2



#62

Bromoform

Concen: 25.000 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW016943.D

Acq: 19 Oct 2020 16:05

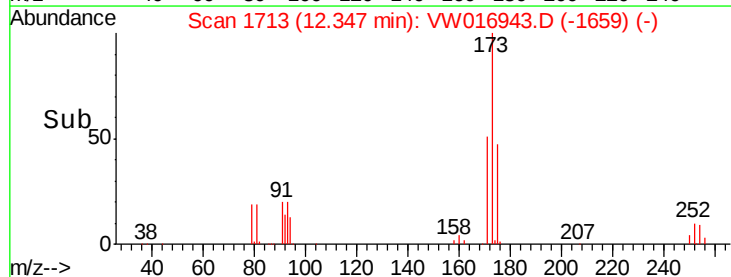
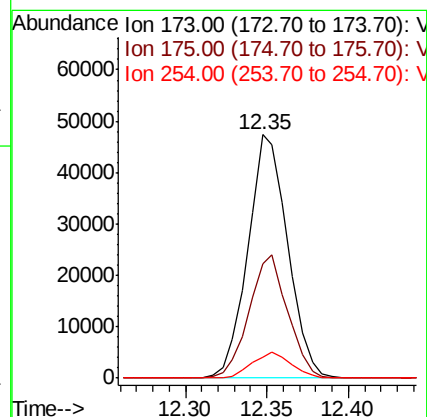
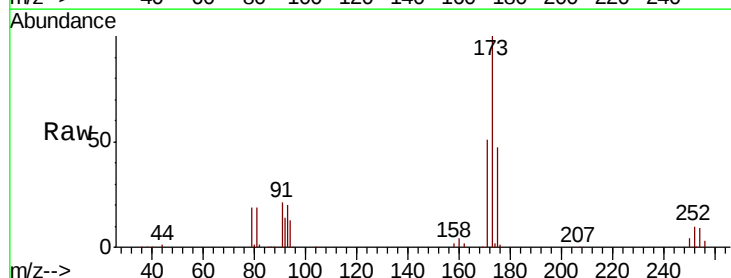
Tgt Ion: 173 Resp: 80263

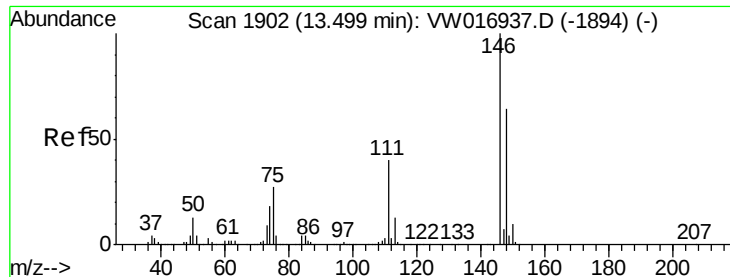
Ion Ratio Lower Upper

173 100

175 49.3 39.9 59.9

254 10.5 8.7 13.1

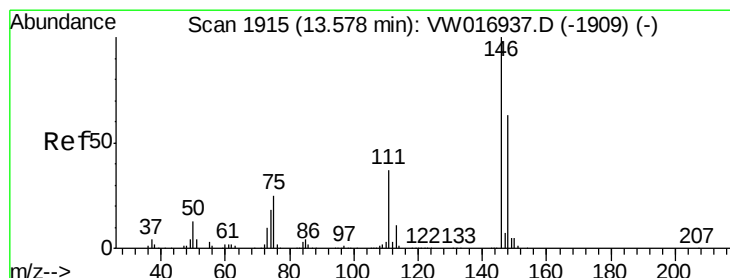
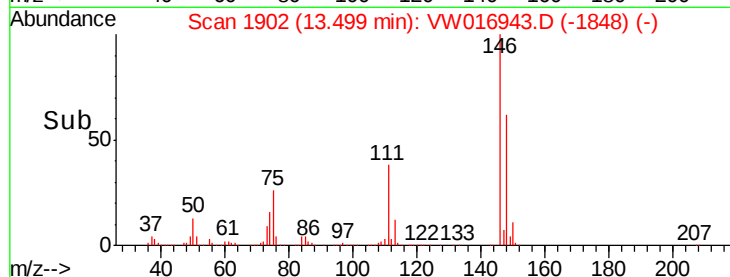
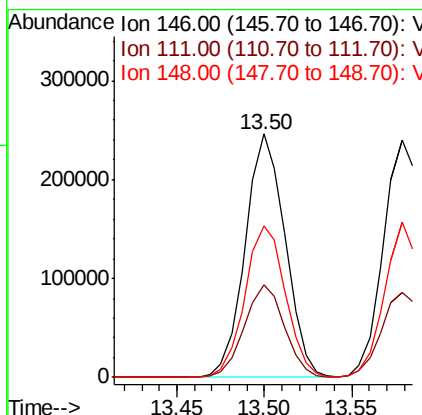
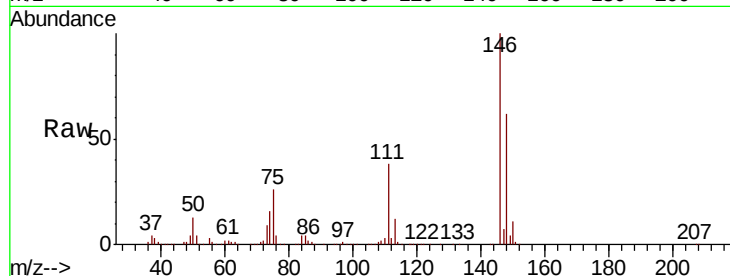




#63
 1,3-Dichlorobenzene
 Concen: 26.863 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW016943.D
 Acq: 19 Oct 2020 16:05

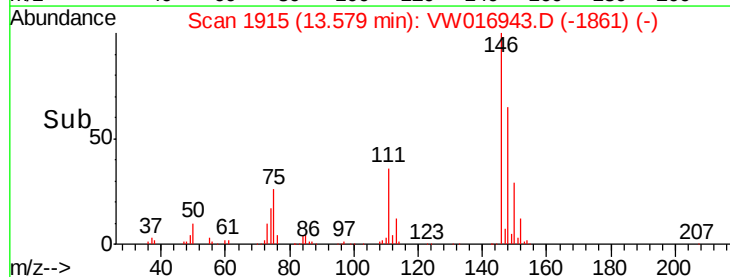
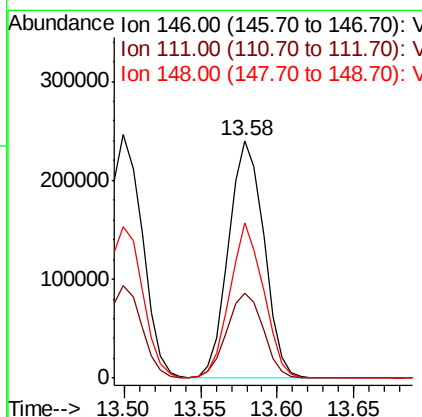
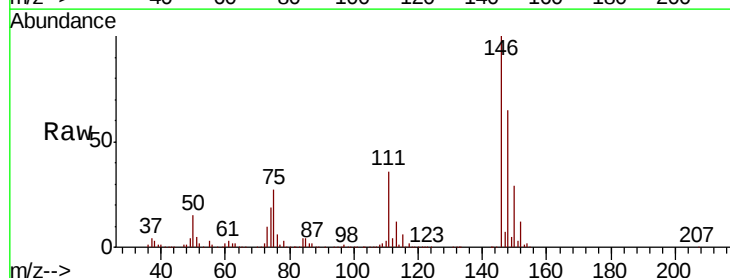
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02516

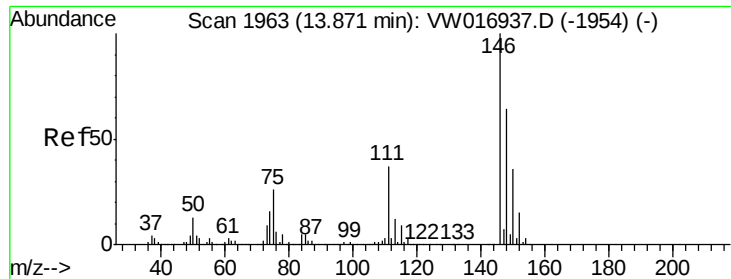
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	26.9	49.9
148	62.3	45.7	84.9



#64
 1,4-Dichlorobenzene
 Concen: 26.539 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW016943.D
 Acq: 19 Oct 2020 16:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.0	26.0	48.4
148	65.4	43.9	81.5

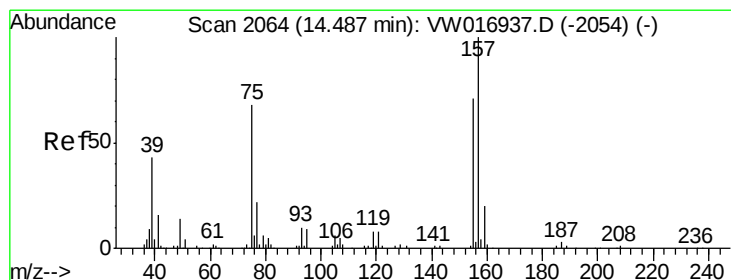
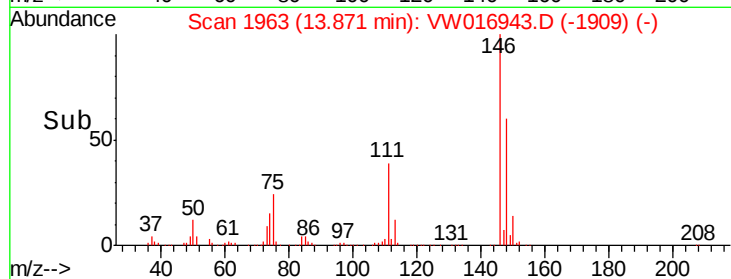
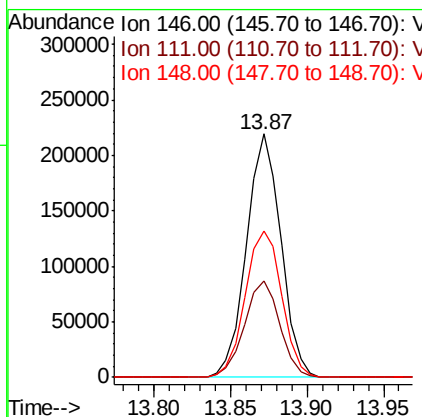
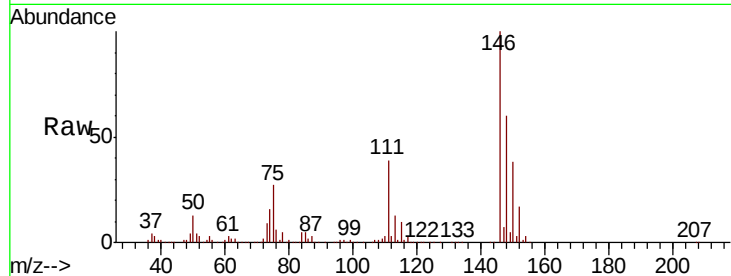




#65
 1,2-Dichlorobenzene
 Concen: 26.448 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW016943.D
 Acq: 19 Oct 2020 16:05

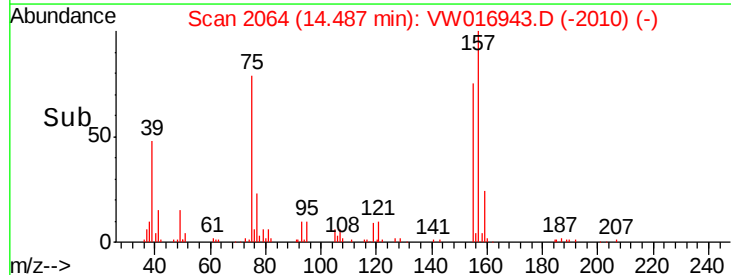
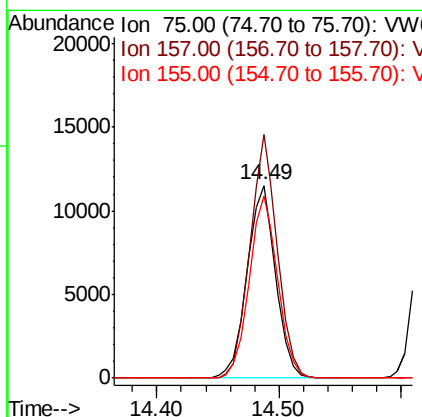
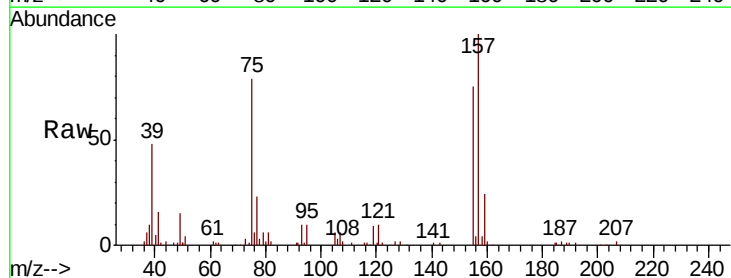
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02516

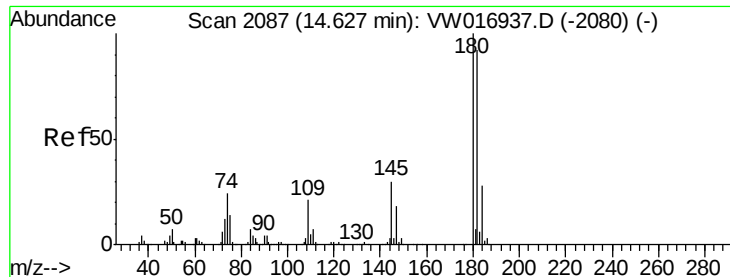
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	32.1	48.1
148	60.1	51.8	77.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 23.609 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW016943.D
 Acq: 19 Oct 2020 16:05

Tgt Ion	Ratio	Lower	Upper
75	100		
157	126.5	100.5	150.7
155	94.4	74.7	112.1

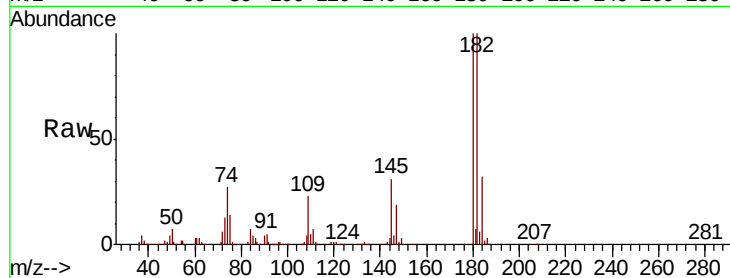




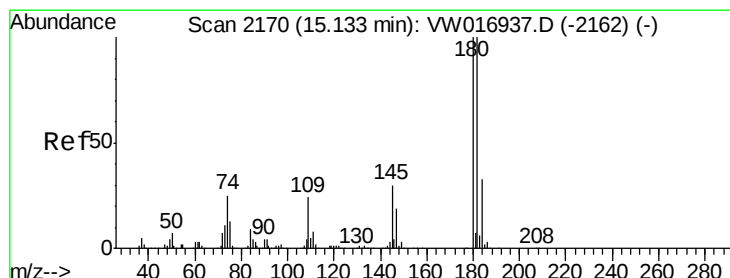
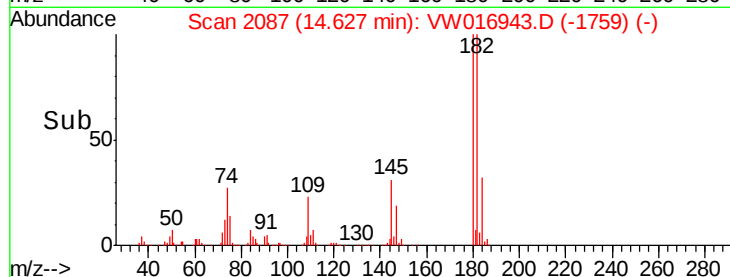
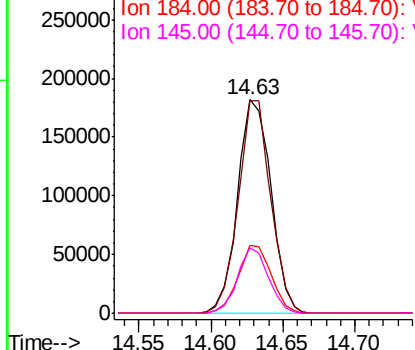
#67
 1,3,5-Trichlorobenzene
 Concen: 27.135 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW016943.D
 Acq: 19 Oct 2020 16:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02516

Tot Ion:180	Resp:	292968
Ion	Ratio	Lower Upper
180	100	
182	96.9	79.0 118.6
184	31.3	24.9 37.3
145	28.7	23.0 34.4

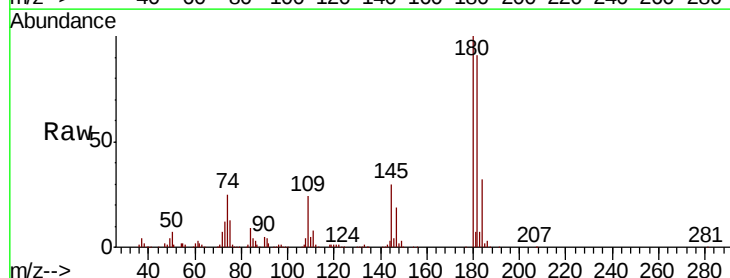


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

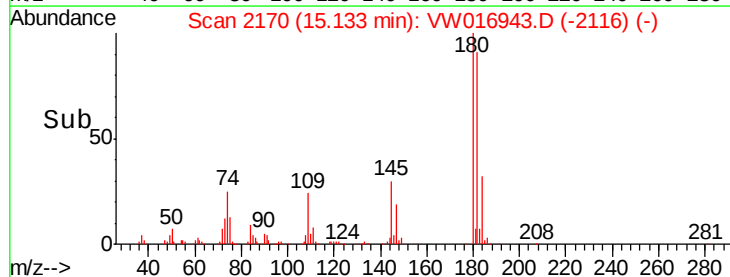
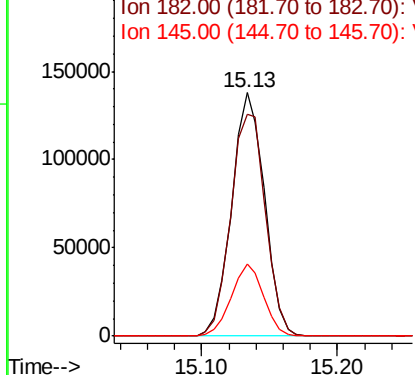


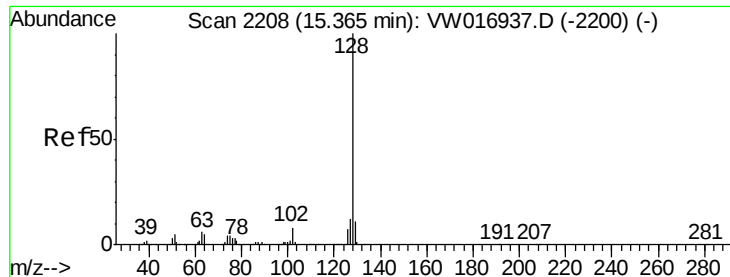
#68
 1,2,4-trichlorobenzene
 Concen: 26.061 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW016943.D
 Acq: 19 Oct 2020 16:05

Tgt Ion:180	Resp:	231108
Ion	Ratio	Lower Upper
180	100	
182	96.9	74.2 111.2
145	28.9	23.4 35.0



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





#69

Naphthalene

Concen: 25.822 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW016943.D

Acq: 19 Oct 2020 16:05

Instrument :

MSVOA_W

ClientSampleId :

VSTD02516

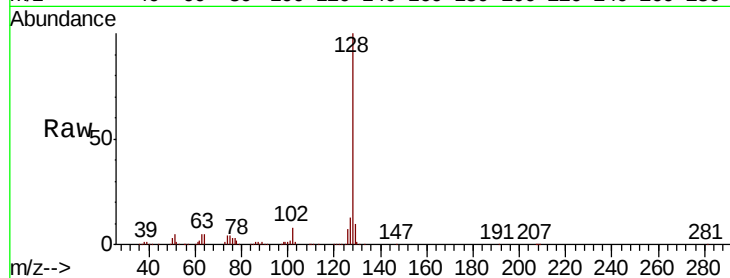
Tot Ion:128 Resp: 379181

Ion Ratio Lower Upper

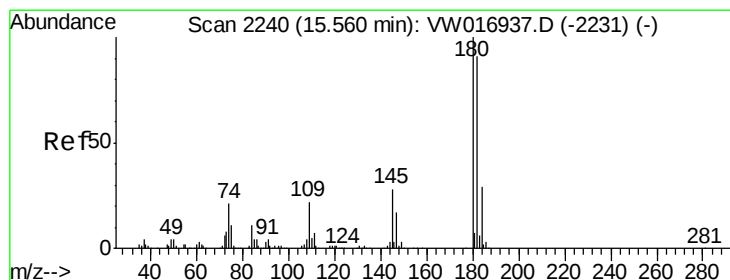
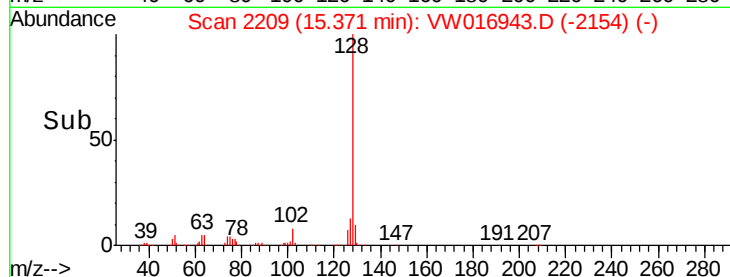
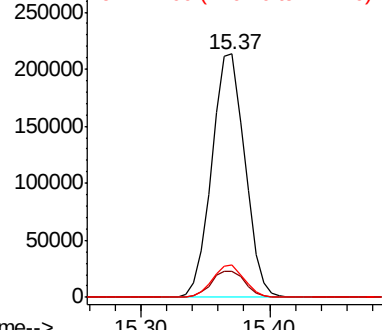
128 100

129 10.9 8.7 13.1

127 12.8 10.1 15.1



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: 26.190 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.01 min

Lab File: VW016943.D

Acq: 19 Oct 2020 16:05

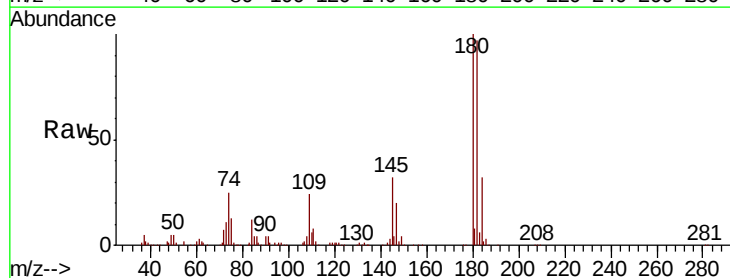
Tgt Ion:180 Resp: 199573

Ion Ratio Lower Upper

180 100

182 97.4 74.1 111.1

145 32.1 24.8 37.2



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

