

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV102220\
 Data File : VW016964.D
 Acq On : 22 Oct 2020 11:39
 Operator : SY/VA
 Sample : VSTD10001
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10001

Quant Time: Oct 22 12:26:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM102220S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 22 11:56:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	542193	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	490129	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	239253	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	568259	105.47	ug/L	0.00
7) Chloroethane-d5	2.89	69	448143	99.89	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.03	63	1161869	102.27	ug/L	0.00
20) 2-Butanone-d5	7.09	46	219651	184.67	ug/L	0.00
24) Chloroform-d	7.65	84	1174456	102.36	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	532151	96.81	ug/L	0.00
29) Benzene-d6	8.27	84	2348963	105.15	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	646970	107.34	ug/L	0.00
37) Toluene-d8	10.33	98	2275954	107.85	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	297518	113.10	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	201430	221.42	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	474962	99.25	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	793103	104.27	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	653325	101.977	ug/L	98
3) Chloromethane	2.22	50	570697	101.835	ug/L	98
5) Vinyl chloride	2.37	62	769276	102.922	ug/L	99
6) Bromomethane	2.78	94	525970	96.680	ug/L	100
8) Chloroethane	2.93	64	454952	99.548	ug/L	99
9) Trichlorofluoromethane	3.26	101	681530	117.053	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	730951	99.558	ug/L	100
12) 1,1-Dichloroethene	4.04	96	718176	102.247	ug/L	95
13) Acetone	4.14	43	136641	152.080	ug/L	100
14) Carbon disulfide	4.39	76	2132428	105.016	ug/L	100
15) Methyl Acetate	4.68	43	199789	92.704	ug/L	100
16) Methylene chloride	4.92	84	651976	86.971	ug/L	98
17) Methyl tert-butyl Ether	5.43	73	759959	97.131	ug/L	98
18) trans-1,2-Dichloroethene	5.43	96	750432	101.867	ug/L	96
19) 1,1-Dichloroethane	6.22	63	1139582	100.553	ug/L	99
21) 2-Butanone	7.18	43	243339	160.250	ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	763385	101.586	ug/L	97
23) Bromochloromethane	7.52	128	344022	97.933	ug/L	97
25) Chloroform	7.68	83	1204067	98.541	ug/L	100
27) 1,2-Dichloroethane	8.40	62	677881	94.206	ug/L	99
30) Cyclohexane	7.96	56	1068818	104.817	ug/L	100
31) 1,1,1-Trichloroethane	7.88	97	1074893	102.396	ug/L	99
32) Carbon tetrachloride	8.07	117	1032057	101.806	ug/L	100
34) Benzene	8.33	78	2672000	101.226	ug/L	100
35) Trichloroethene	9.10	95	758570	101.973	ug/L	99
36) Methylcyclohexane	9.34	83	1292013	102.739	ug/L	99
40) 1,2-Dichloropropane	9.37	63	600225	100.478	ug/L	99
41) Bromodichloromethane	9.65	83	858413	102.858	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	1019659	107.584	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	570568	193.567	ug/L	99

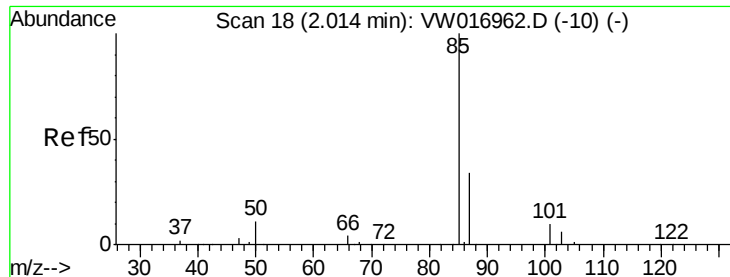
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102220\
 Data File : VW016964.D
 Acq On : 22 Oct 2020 11:39
 Operator : SY/VA
 Sample : VSTD10001
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10001

Quant Time: Oct 22 12:26:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM102220S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 22 11:56:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	2972213	101.465	ug/L	96
45) trans-1,3-Dichloropropene	10.61	75	853028	107.323	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	474630	98.322	ug/L	98
47) Tetrachloroethene	10.87	164	668192	96.792	ug/L	96
49) 2-Hexanone	10.97	43	381170	197.020	ug/L	99
50) Dibromochloromethane	11.13	129	629140	105.397	ug/L	96
51) 1,2-Dibromoethane	11.24	107	466573	99.276	ug/L	99
52) Chlorobenzene	11.66	112	1972829	100.769	ug/L	99
53) Ethylbenzene	11.73	91	3360841	102.100	ug/L	98
54) m,p-Xylene	11.84	106	1341052	104.817	ug/L	100
55) o-xylene	12.17	106	1277697	105.621	ug/L	91
56) Styrene	12.18	104	2100148	104.257	ug/L	99
57) Isopropylbenzene	12.47	105	3446559	103.282	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	511825	96.905	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	360387	94.226	ug/L	100
62) Bromoform	12.35	173	367134	109.135	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	1569064	102.753	ug/L	95
64) 1,4-Dichlorobenzene	13.58	146	1543318	100.809	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	1358977	99.492	ug/L	94
66) 1,2-Dibromo-3-chloropropan	14.49	75	80493	99.472	ug/L	97
67) 1,3,5-Trichlorobenzene	14.63	180	1180488	104.064	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	983316	106.501	ug/L	99
69) Naphthalene	15.37	128	1685718	111.705	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	823894	104.208	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 101.977 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW016964.D

Acq: 22 Oct 2020 11:39

Instrument :

MSVOA_W

ClientSampled :

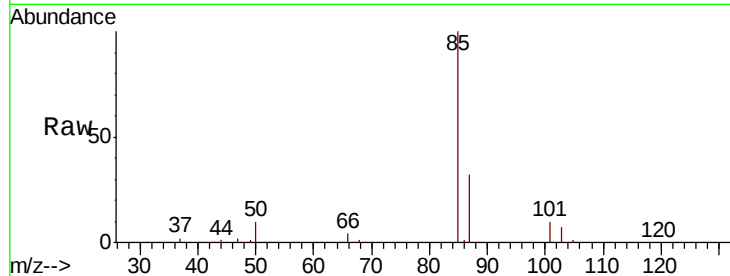
VSTD10001

Tot Ion: 85 Resp: 653325

Ion Ratio Lower Upper

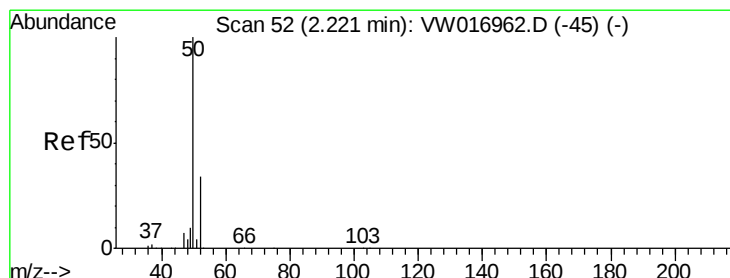
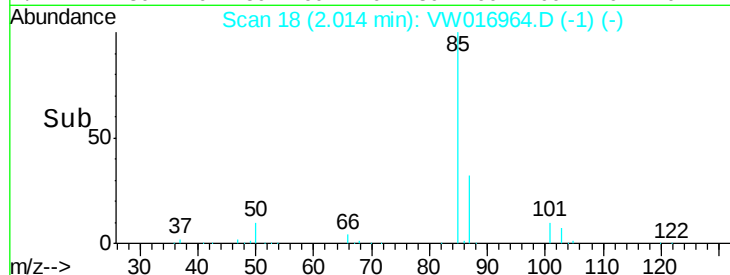
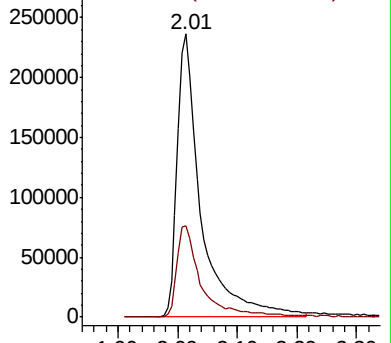
85 100

87 33.0 22.4 41.6



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 101.835 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.00 min

Lab File: VW016964.D

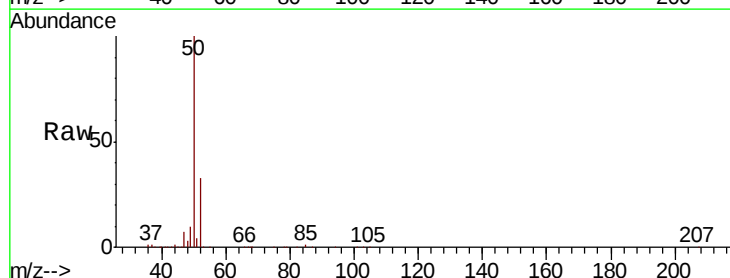
Acq: 22 Oct 2020 11:39

Tgt Ion: 50 Resp: 570697

Ion Ratio Lower Upper

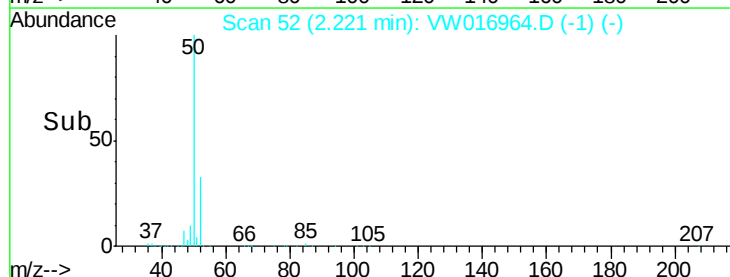
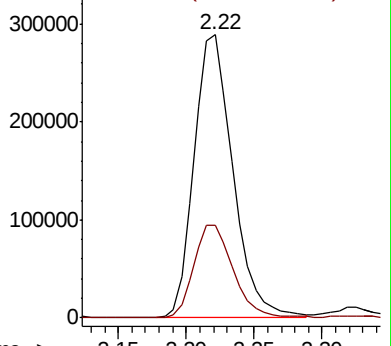
50 100

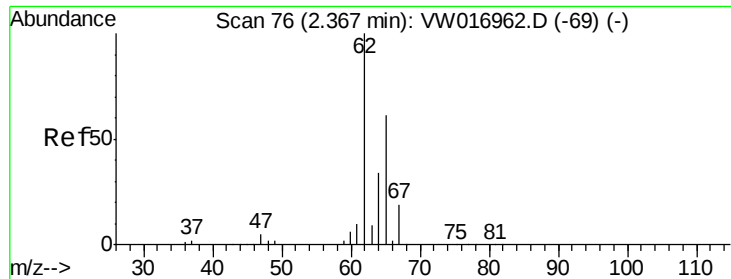
52 32.7 23.5 43.7



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 102.922 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW016964.D

Acq: 22 Oct 2020 11:39

Instrument :

MSVOA_W

ClientSampleId :

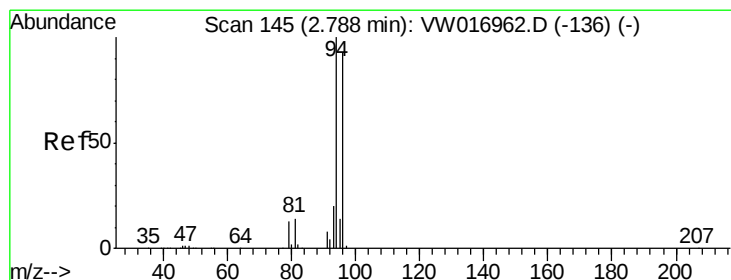
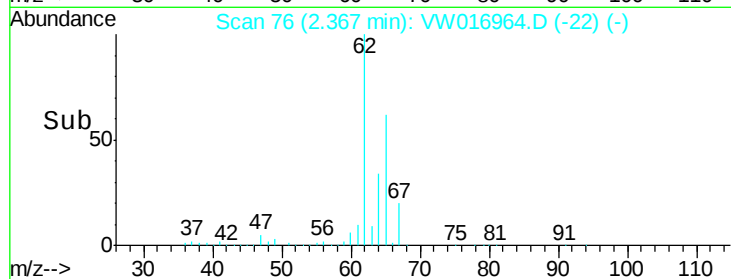
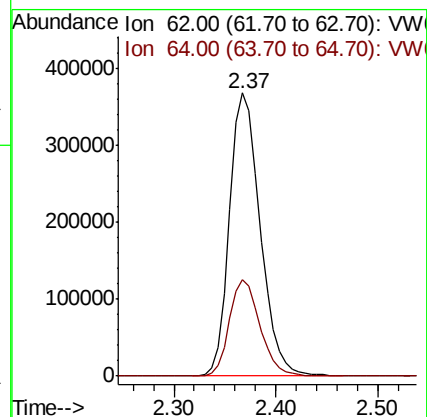
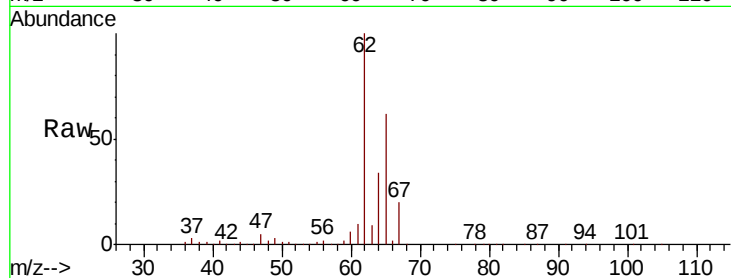
VSTD10001

Tot Ion: 62 Resp: 769276

Ion Ratio Lower Upper

62 100

64 34.1 24.1 44.7



#6

Bromomethane

Concen: 96.680 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW016964.D

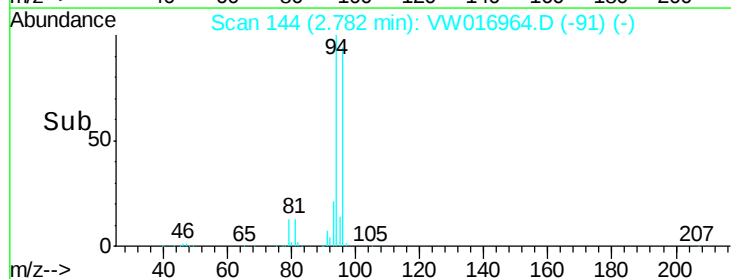
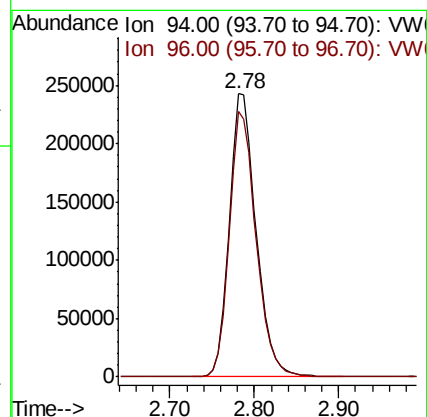
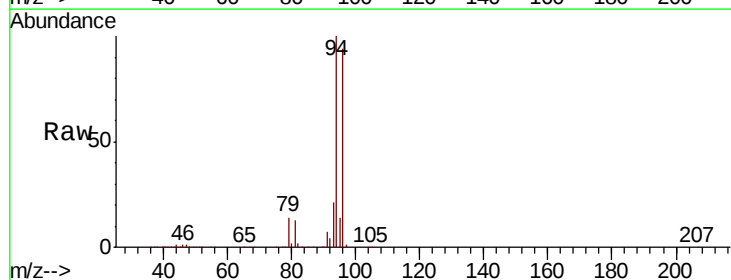
Acq: 22 Oct 2020 11:39

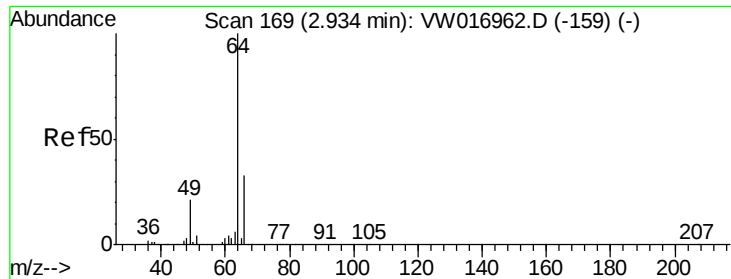
Tgt Ion: 94 Resp: 525970

Ion Ratio Lower Upper

94 100

96 93.9 9.4 178.8

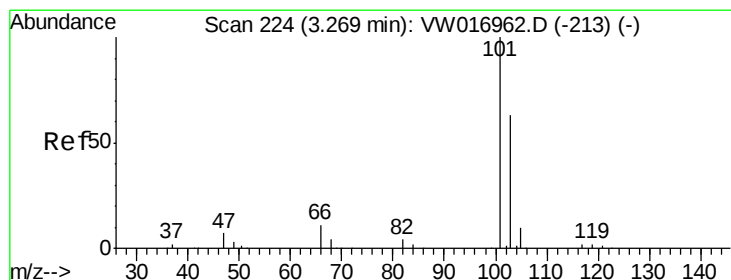
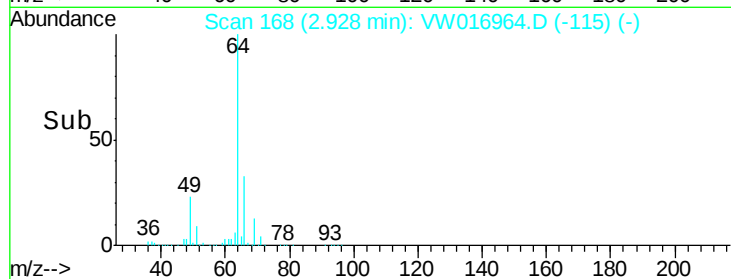
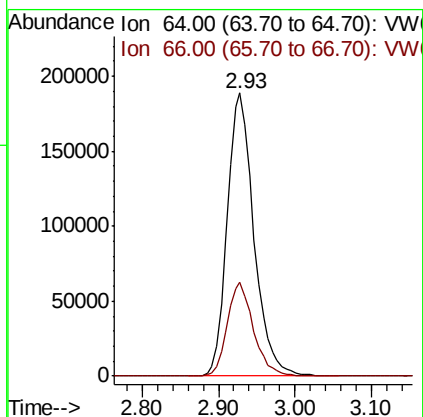
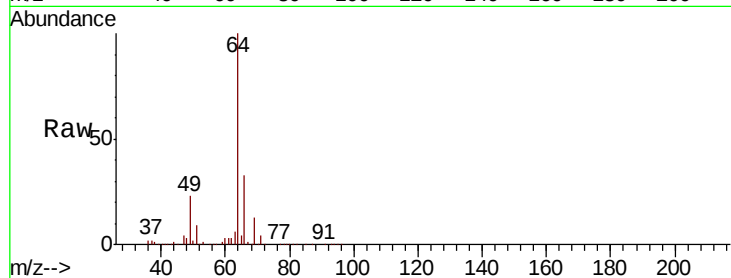




#8
Chloroethane
Concen: 99.548 ug/L
RT: 2.93 min Scan# 168
Delta R.T. -0.01 min
Lab File: VW016964.D
Acq: 22 Oct 2020 11:39

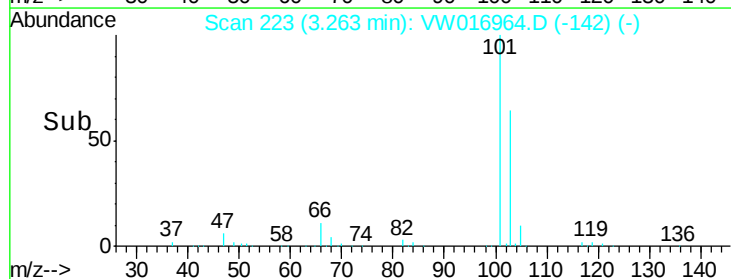
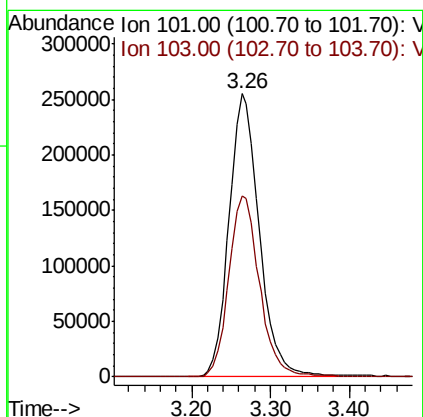
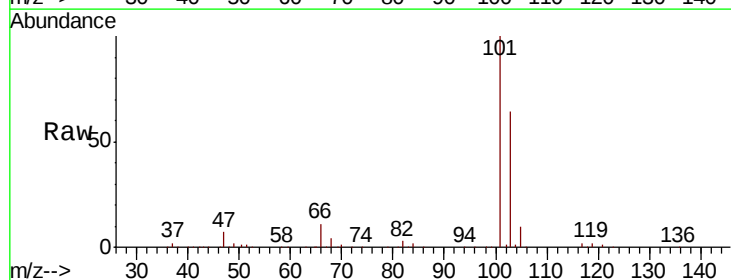
Instrument :
MSVOA_W
ClientSampleId :
VSTD10001

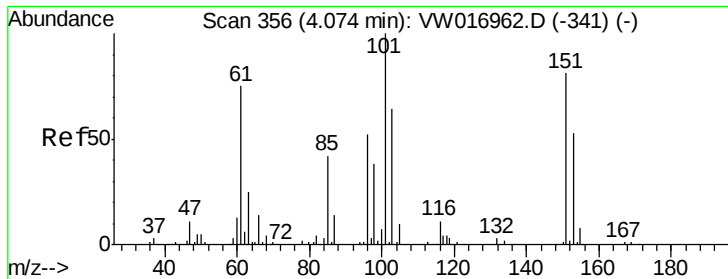
Tot Ion: 64 Resp: 454952
Ion Ratio Lower Upper
64 100
66 33.1 23.4 43.6



#9
Trichlorofluoromethane
Concen: 117.053 ug/L
RT: 3.26 min Scan# 223
Delta R.T. -0.01 min
Lab File: VW016964.D
Acq: 22 Oct 2020 11:39

Tgt Ion: 101 Resp: 681530
Ion Ratio Lower Upper
101 100
103 65.1 44.9 83.5





#11

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

Concen: 99.558 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.01 min

Lab File: VW016964.D

Acq: 22 Oct 2020 11:39

Instrument :

MSVOA_W

ClientSampleId :

VSTD10001

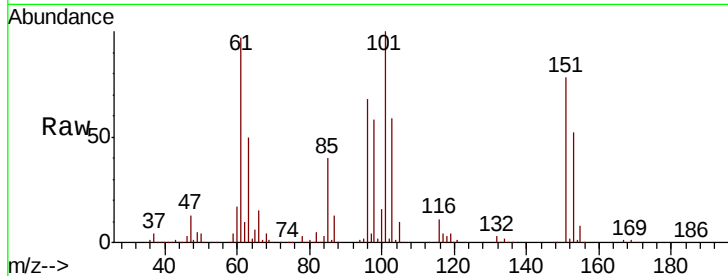
Tot Ion:101 Resp: 730951

Ion Ratio Lower Upper

101 100

85 40.6 32.5 48.7

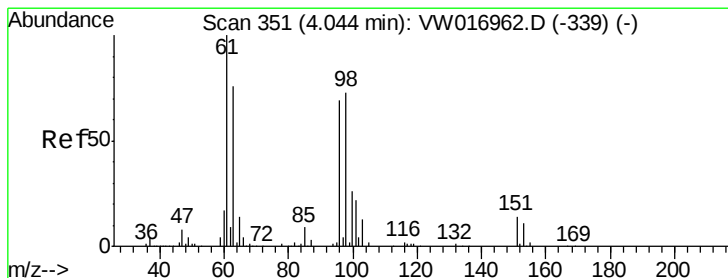
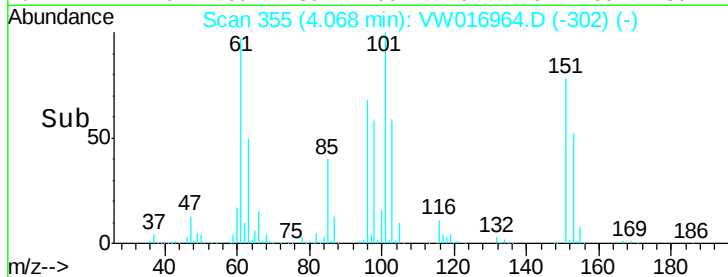
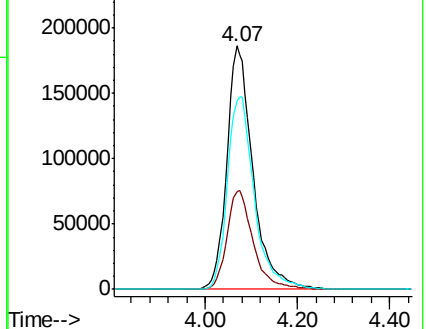
151 82.1 65.7 98.5



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: 102.247 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.00 min

Lab File: VW016964.D

Acq: 22 Oct 2020 11:39

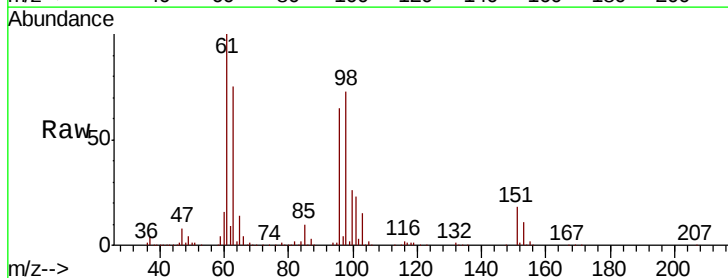
Tgt Ion: 96 Resp: 718176

Ion Ratio Lower Upper

96 100

61 153.7 101.4 188.4

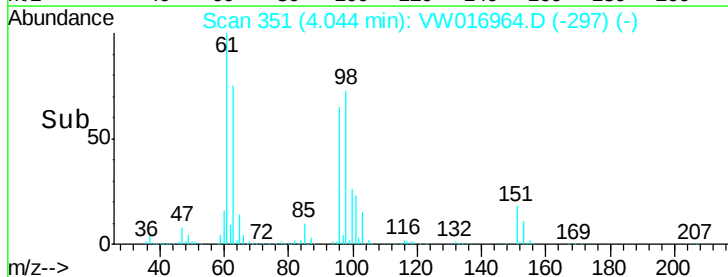
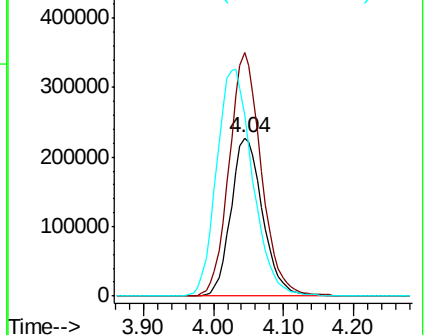
63 114.6 78.5 145.9

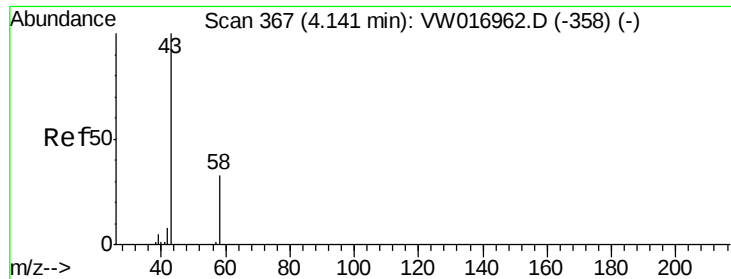


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 152.080 ug/L

RT: 4.14 min Scan# 367

Delta R.T. 0.00 min

Lab File: VW016964.D

Acq: 22 Oct 2020 11:39

Instrument :

MSVOA_W

ClientSampleId :

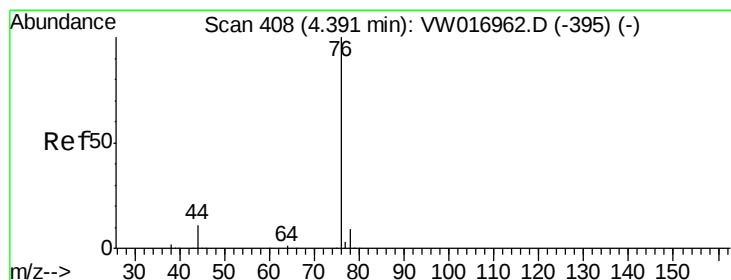
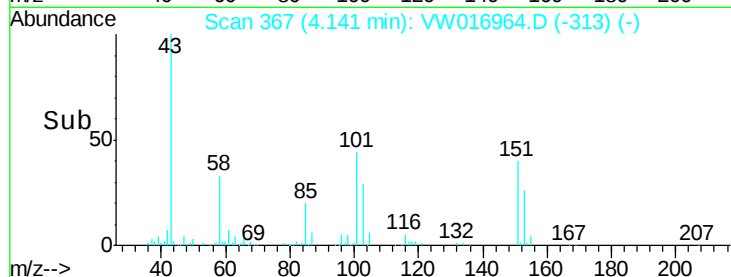
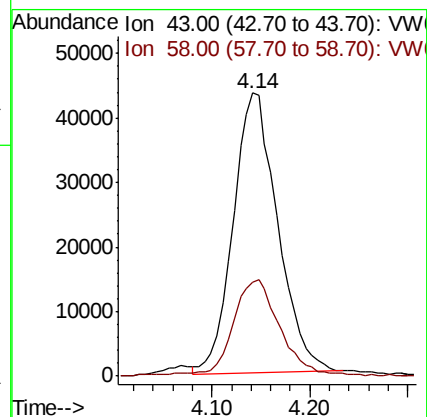
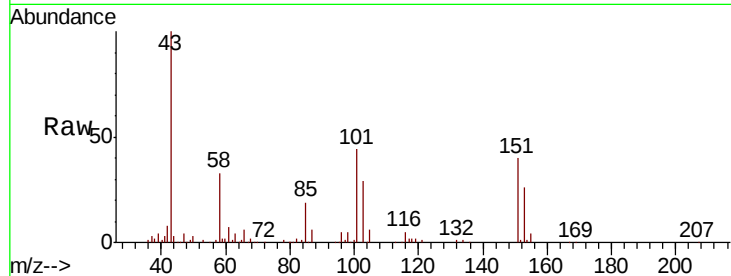
VSTD10001

Tot Ion: 43 Resp: 136641

Ion Ratio Lower Upper

43 100

58 35.0 0.0 69.8



#14

Carbon disulfide

Concen: 105.016 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.00 min

Lab File: VW016964.D

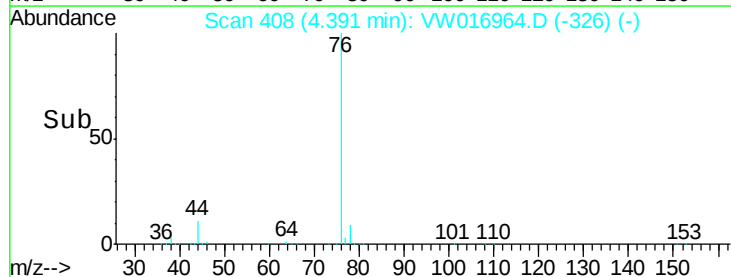
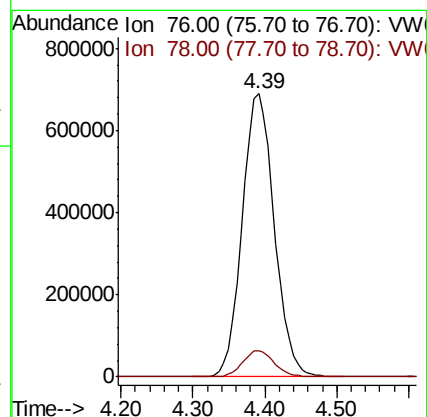
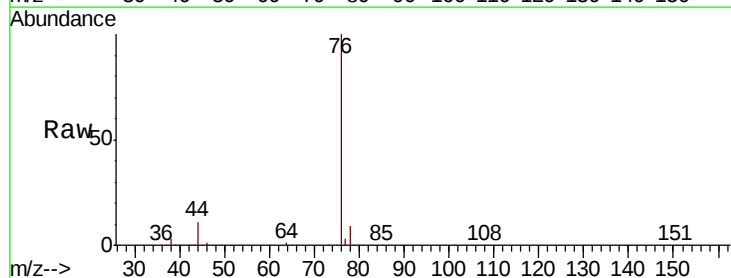
Acq: 22 Oct 2020 11:39

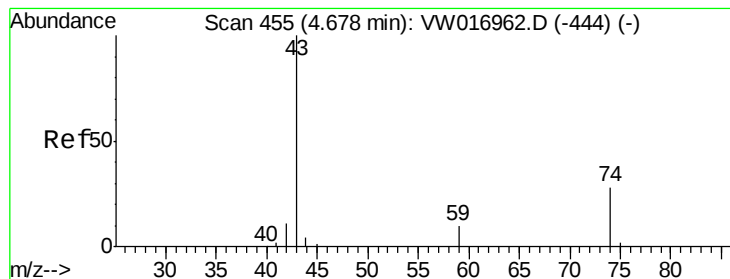
Tgt Ion: 76 Resp: 2132428

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9





#15

Methvl Acetate

Concen: 92.704 ug/L

RT: 4.68 min Scan# 455

Delta R.T. 0.00 min

Lab File: VW016964.D

Acq: 22 Oct 2020 11:39

Instrument :

MSVOA_W

ClientSampleId :

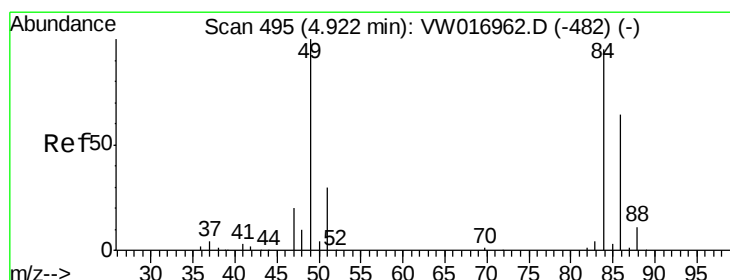
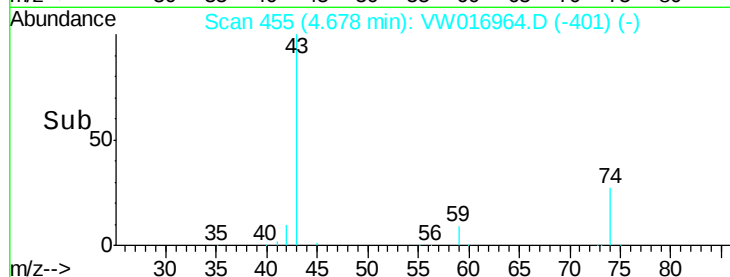
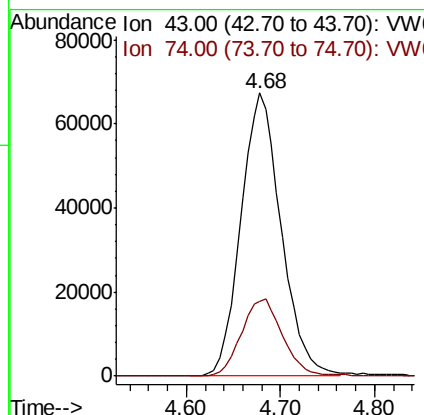
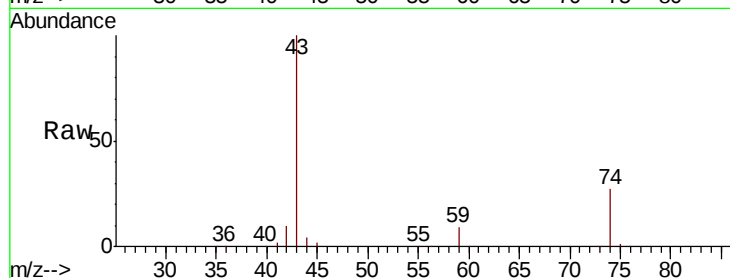
VSTD10001

Tot Ion: 43 Resp: 199789

Ion Ratio Lower Upper

43 100

74 28.3 22.8 34.2



#16

Methylene chloride

Concen: 86.971 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.00 min

Lab File: VW016964.D

Acq: 22 Oct 2020 11:39

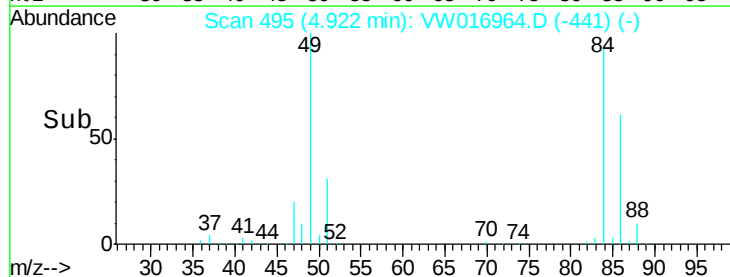
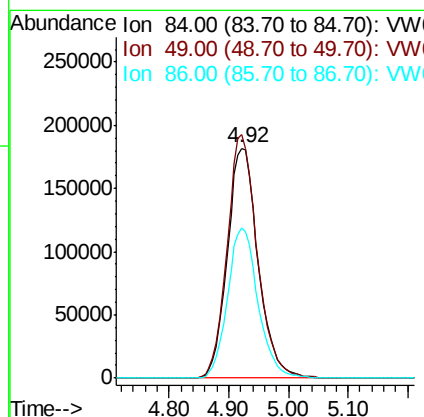
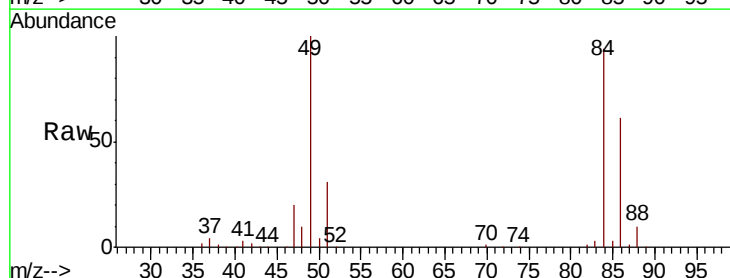
Tgt Ion: 84 Resp: 651976

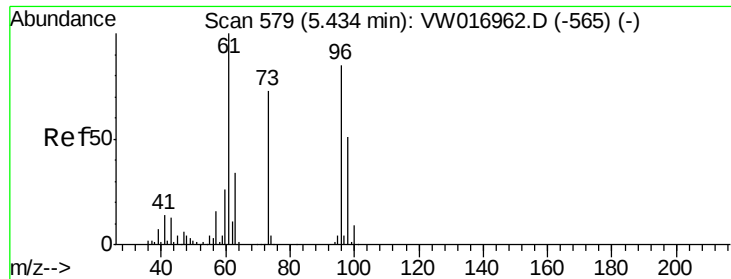
Ion Ratio Lower Upper

84 100

49 106.0 73.8 137.0

86 65.1 47.4 88.0

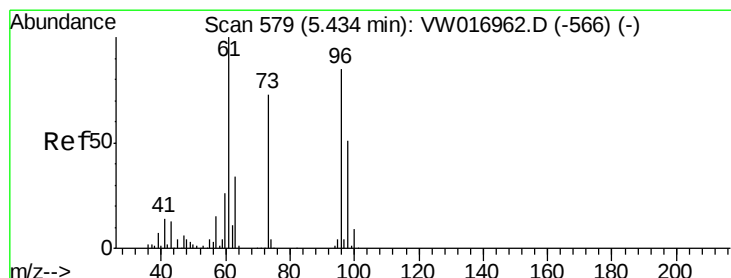
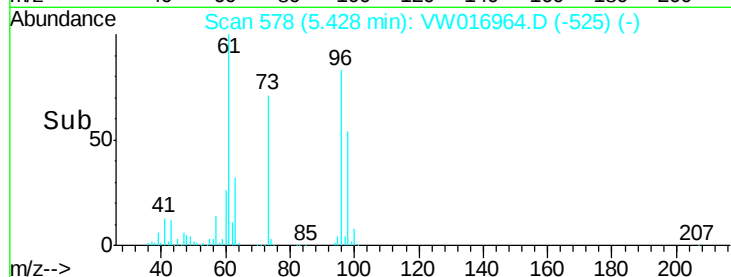
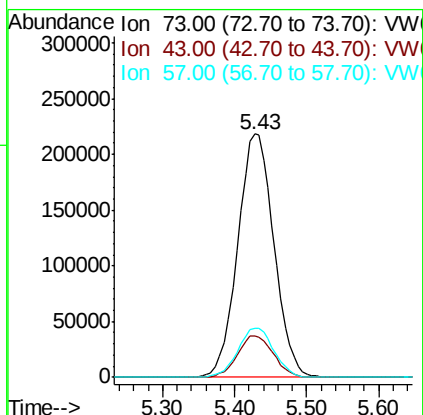
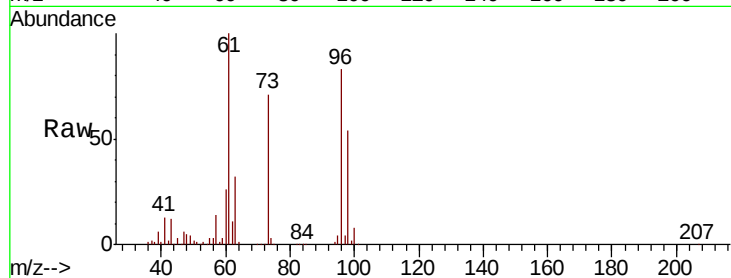




#17
Methvl tert-butvl Ether
Concen: 97.131 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW016964.D
Acq: 22 Oct 2020 11:39

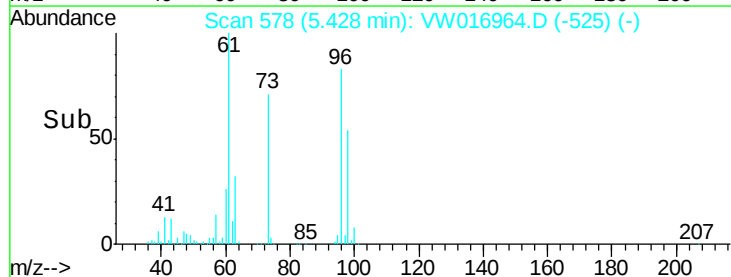
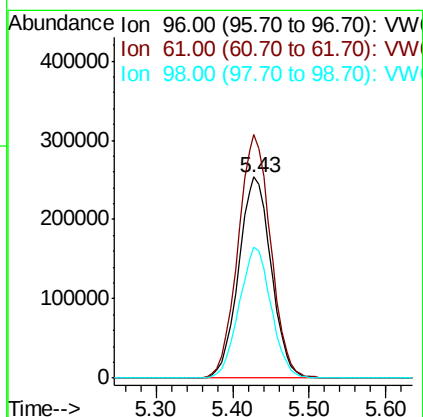
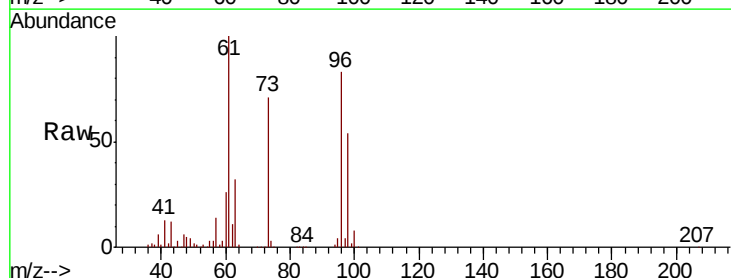
Instrument :
MSVOA_W
ClientSampleId :
VSTD10001

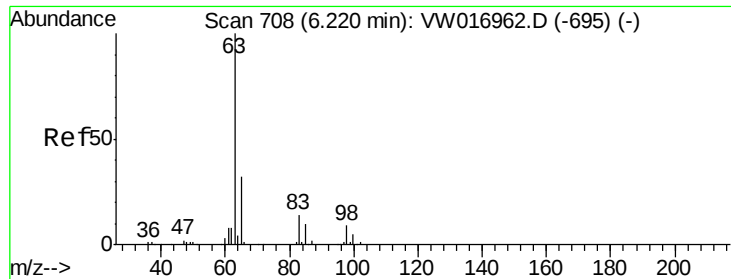
Tot Ion	Ratio	Lower	Upper
73	100		
43	17.0	14.4	21.6
57	20.3	16.6	25.0



#18
trans-1,2-Dichloroethene
Concen: 101.867 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW016964.D
Acq: 22 Oct 2020 11:39

Tgt Ion	Ratio	Lower	Upper
96	100		
61	121.1	82.7	153.7
98	65.2	42.6	79.0



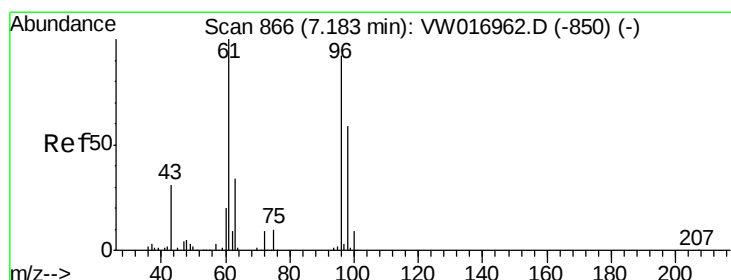
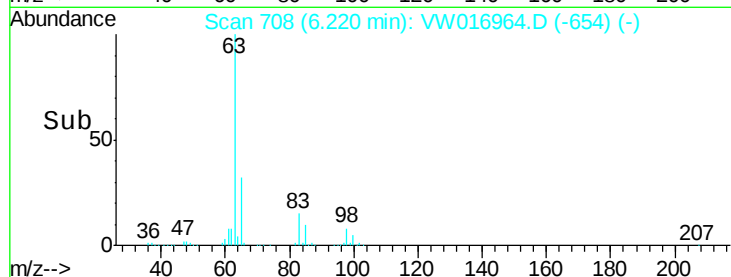
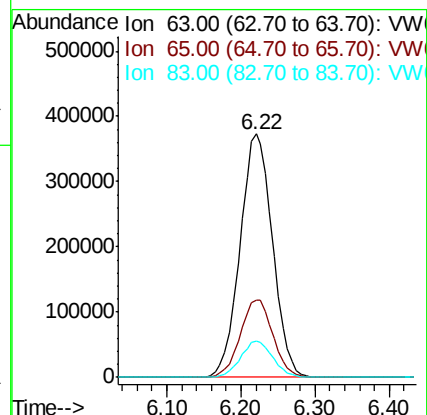
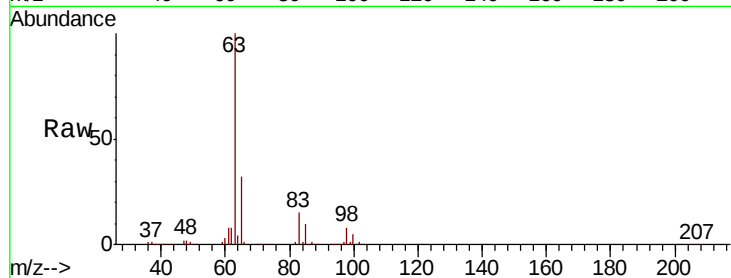


#19
 1,1-Dichloroethane
 Concen: 100.553 ug/L
 RT: 6.22 min Scan# 708
 Delta R.T. 0.00 min
 Lab File: VW016964.D
 Acq: 22 Oct 2020 11:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10001

Tot Ion: 63 Resp: 1139582

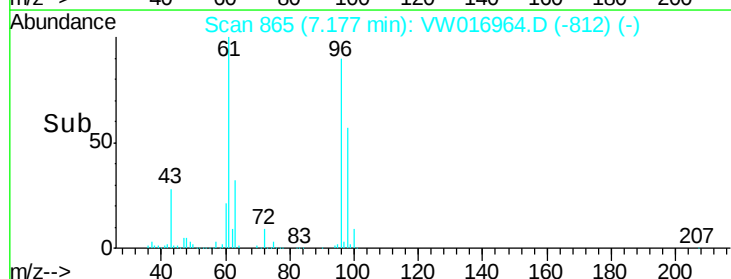
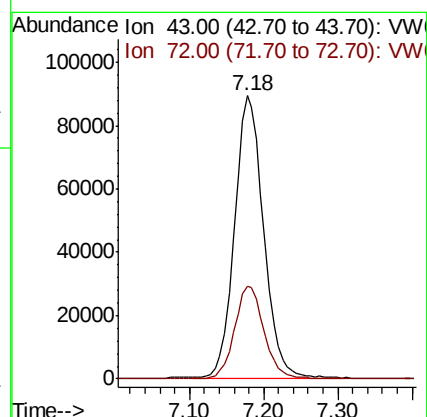
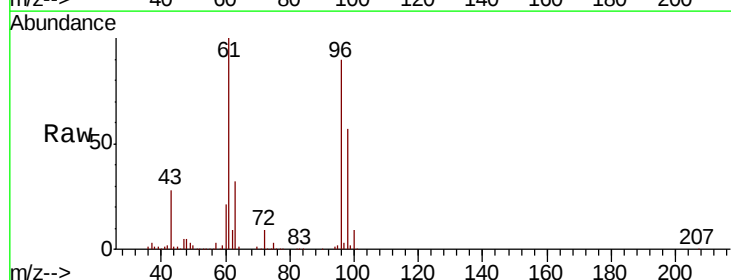
Ion	Ratio	Lower	Upper
63	100		
65	31.8	22.5	41.9
83	14.7	10.1	18.9

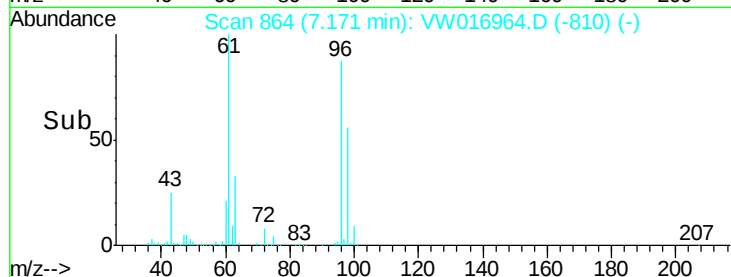
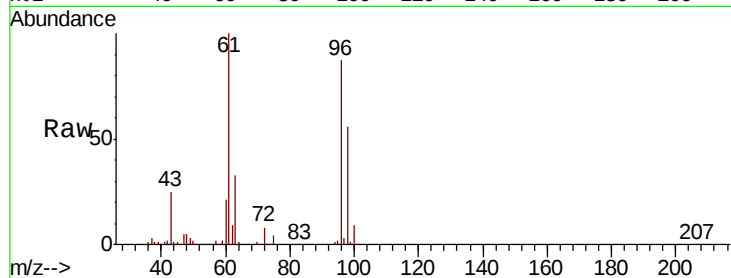
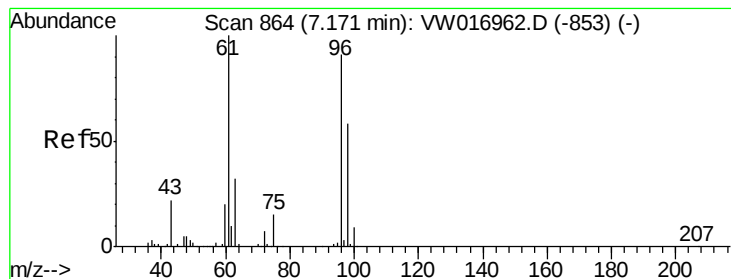


#21
 2-Butanone
 Concen: 160.250 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. -0.01 min
 Lab File: VW016964.D
 Acq: 22 Oct 2020 11:39

Tgt Ion: 43 Resp: 243339

Ion	Ratio	Lower	Upper
43	100		
72	33.3	16.1	48.2



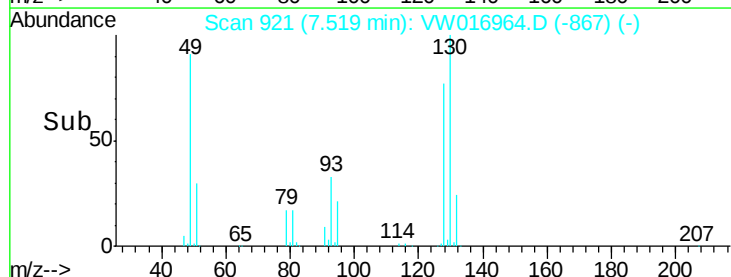
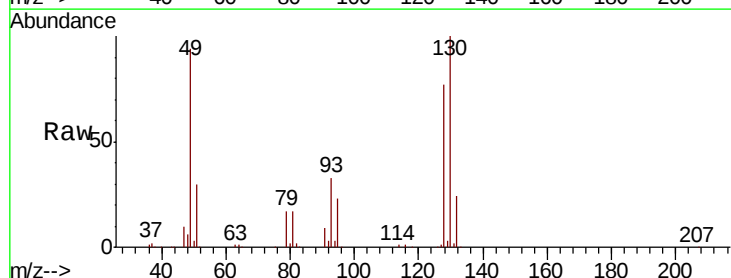
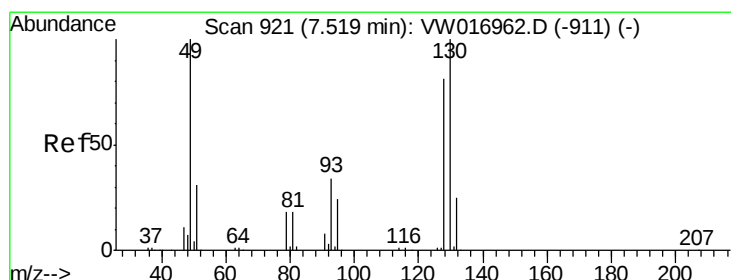
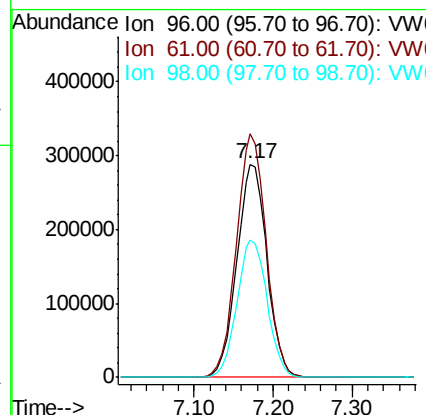


#22

cis-1,2-Dichloroethene
Concen: 101.586 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW016964.D
Acq: 22 Oct 2020 11:39

Instrument :
MSVOA_W
ClientSampleId :
VSTD10001

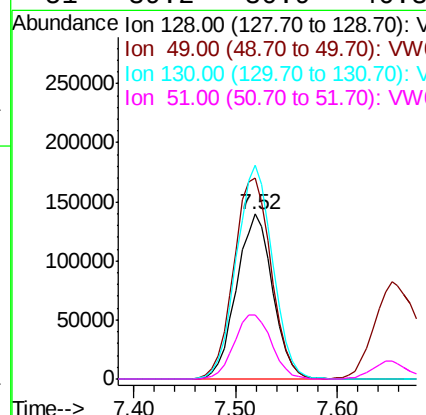
Tot Ion	Ratio	Lower	Upper
96	100		
61	114.3	77.4	143.8
98	64.6	44.4	82.5

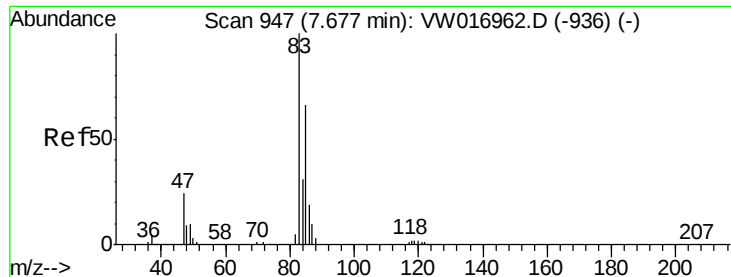


#23

Bromochloromethane
Concen: 97.933 ug/L
RT: 7.52 min Scan# 921
Delta R.T. 0.00 min
Lab File: VW016964.D
Acq: 22 Oct 2020 11:39

Tgt Ion	Ratio	Lower	Upper
128	100		
49	122.0	86.4	160.4
130	129.8	86.4	160.4
51	39.2	30.9	46.3





#25

Chloroform

Concen: 98.541 ug/L

RT: 7.68 min Scan# 948

Delta R.T. 0.01 min

Lab File: VW016964.D

Acq: 22 Oct 2020 11:39

Instrument :

MSVOA_W

ClientSampleId :

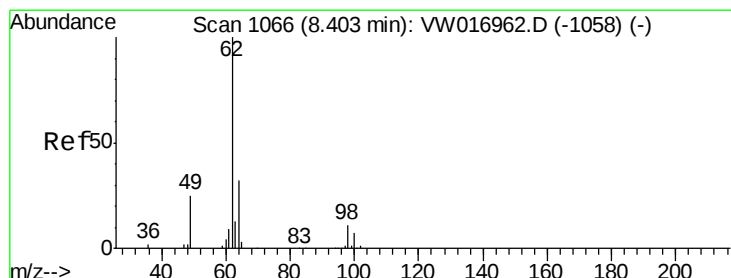
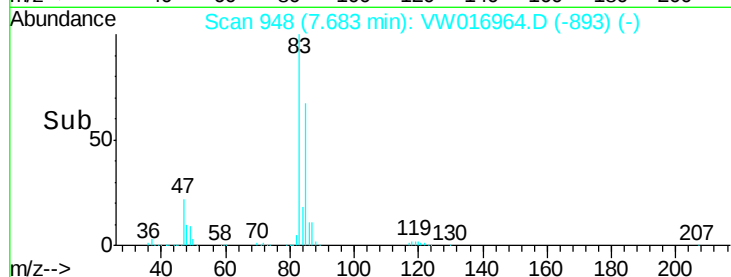
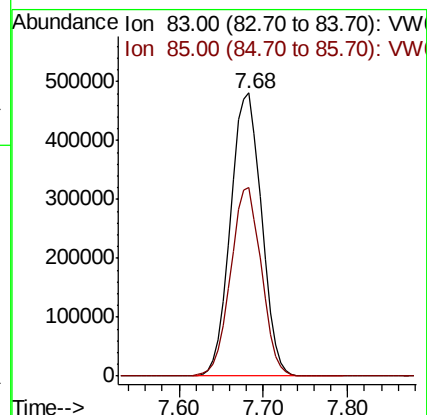
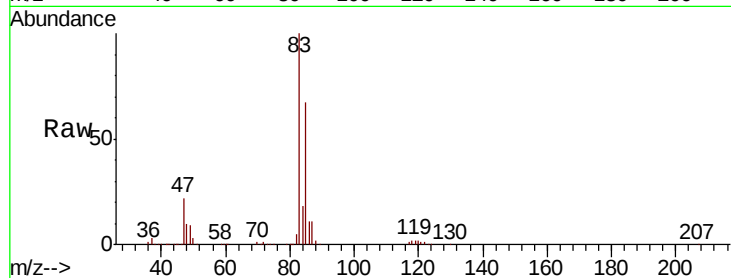
VSTD10001

Tot Ion: 83 Resp: 1204067

Ion Ratio Lower Upper

83 100

85 66.3 46.6 86.6



#27

1,2-Dichloroethane

Concen: 94.206 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VW016964.D

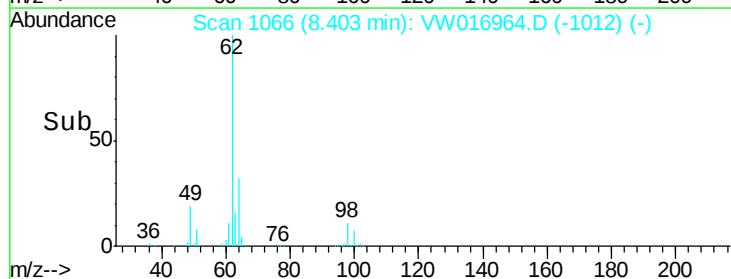
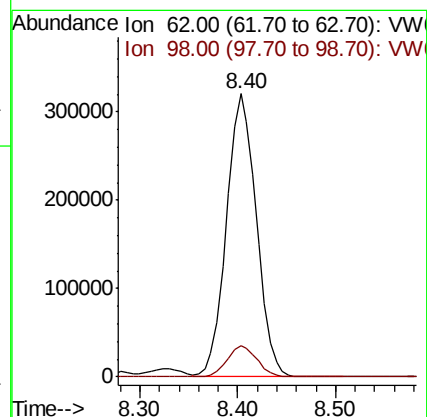
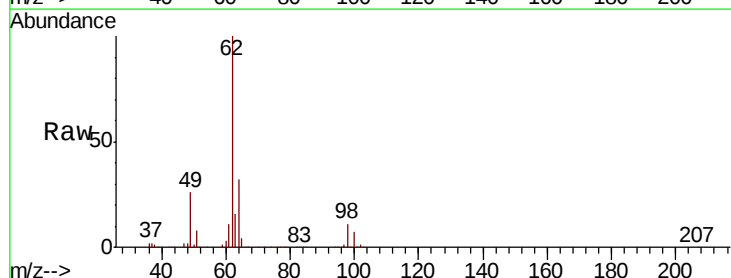
Acq: 22 Oct 2020 11:39

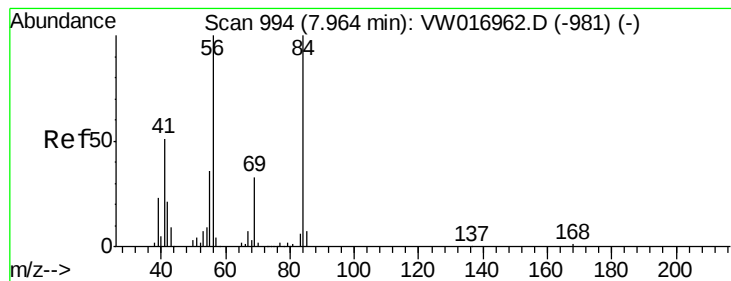
Tgt Ion: 62 Resp: 677881

Ion Ratio Lower Upper

62 100

98 11.0 8.5 12.7





#30

Cyclohexane

Concen: 104.817 ug/L

RT: 7.96 min Scan# 993

Delta R.T. -0.01 min

Lab File: VW016964.D

Acq: 22 Oct 2020 11:39

Instrument :

MSVOA_W

ClientSampleId :

VSTD10001

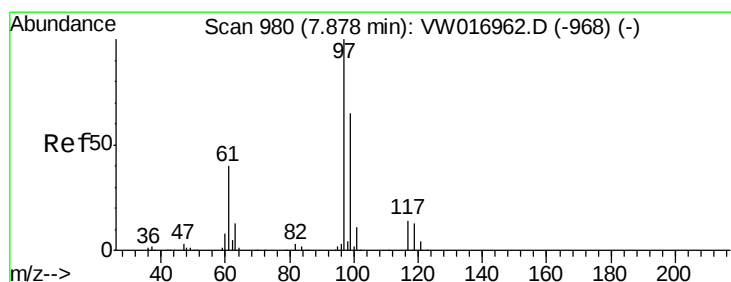
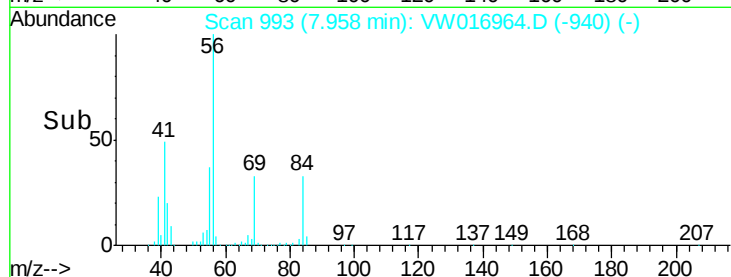
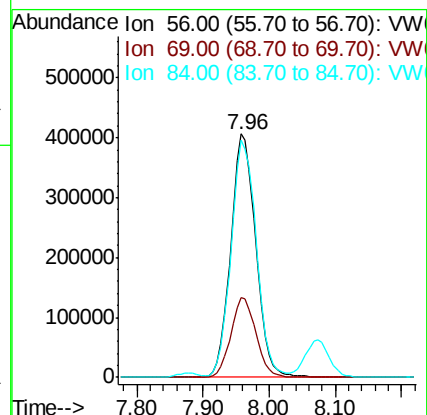
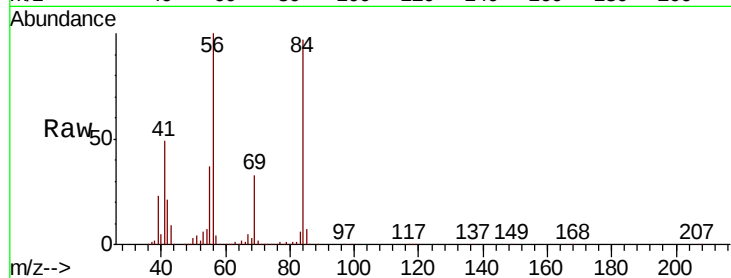
Tot Ion: 56 Resp: 1068818

Ion Ratio Lower Upper

56 100

69 32.7 26.0 39.0

84 98.0 78.6 118.0



#31

1,1,1-Trichloroethane

Concen: 102.396 ug/L

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW016964.D

Acq: 22 Oct 2020 11:39

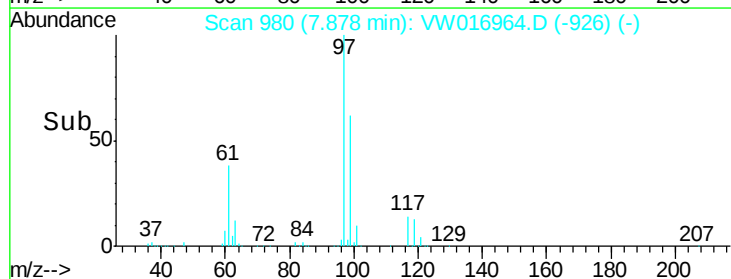
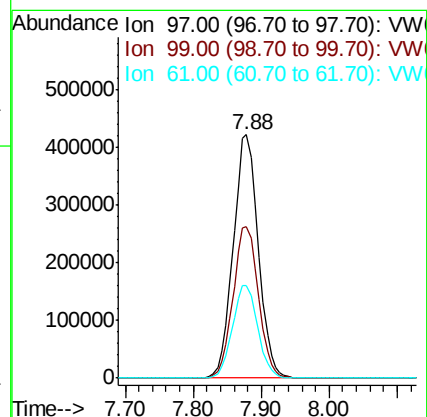
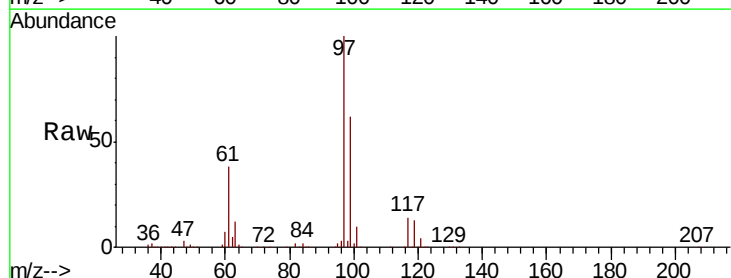
Tgt Ion: 97 Resp: 1074893

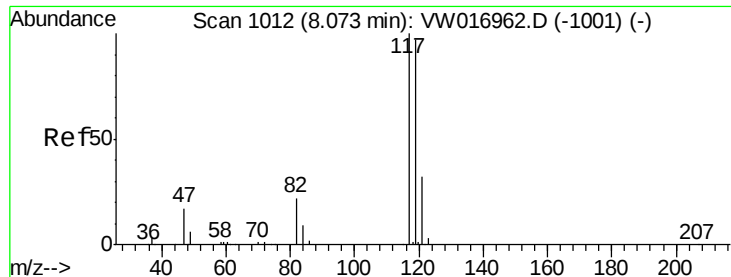
Ion Ratio Lower Upper

97 100

99 63.3 51.3 76.9

61 38.7 31.8 47.8





#32

Carbon tetrachloride

Concen: 101.806 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VW016964.D

Acq: 22 Oct 2020 11:39

Instrument :

MSVOA_W

ClientSampleId :

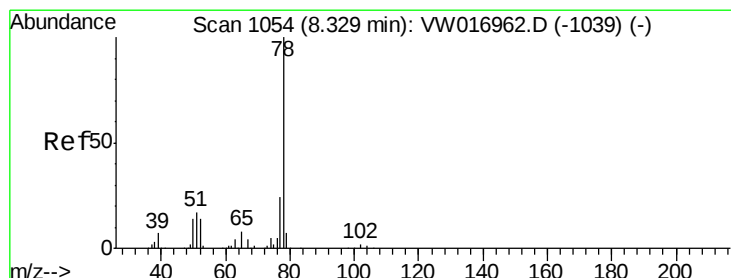
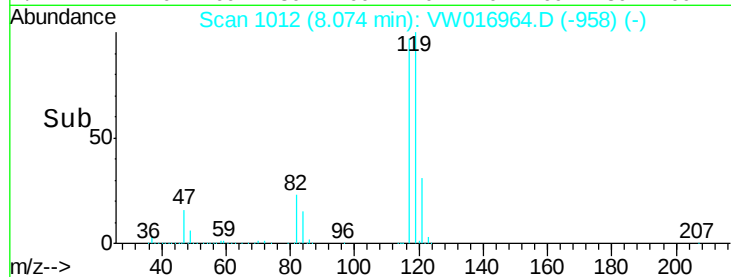
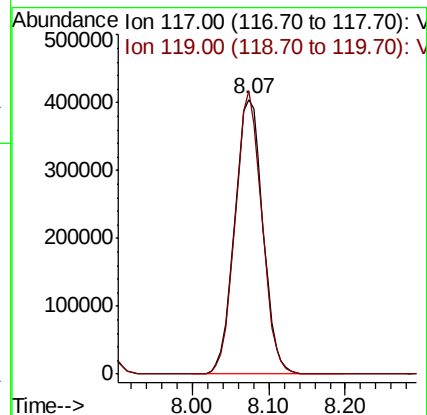
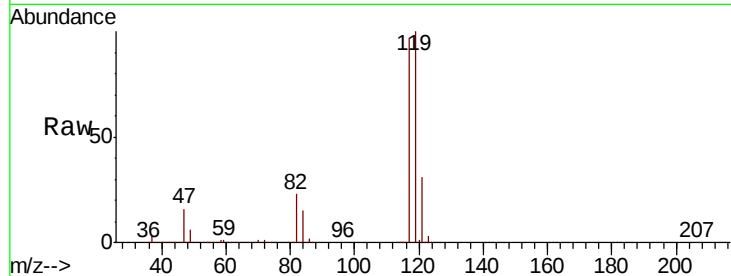
VSTD10001

Tot Ion:117 Resp: 1032057

Ion Ratio Lower Upper

117 100

119 97.4 78.0 117.0



#34

Benzene

Concen: 101.226 ug/L

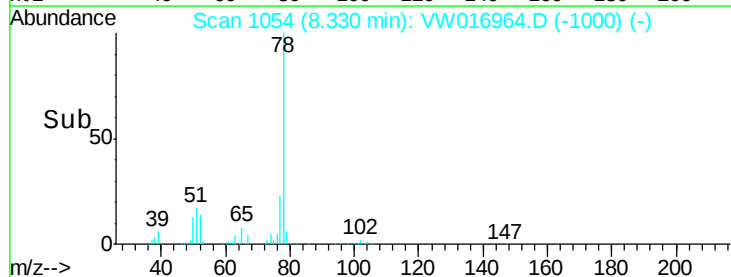
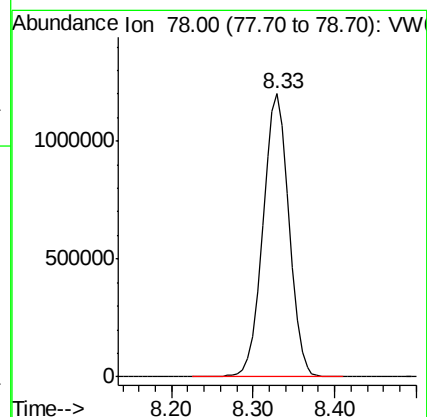
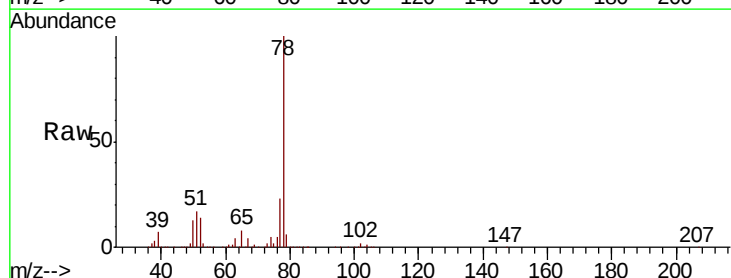
RT: 8.33 min Scan# 1054

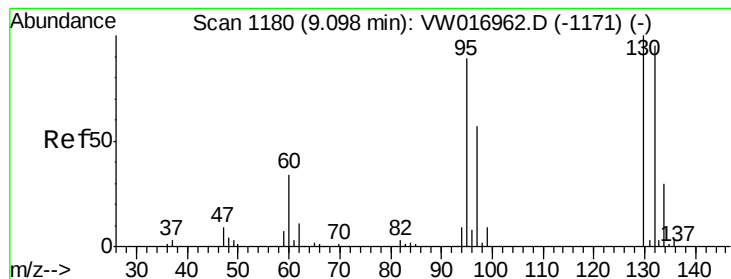
Delta R.T. 0.00 min

Lab File: VW016964.D

Acq: 22 Oct 2020 11:39

Tgt Ion: 78 Resp: 2672000





#35

Trichloroethene

Concen: 101.973 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VW016964.D

Acq: 22 Oct 2020 11:39

Instrument :

MSVOA_W

ClientSampleId :

VSTD10001

Tot Ion: 95 Resp: 758570

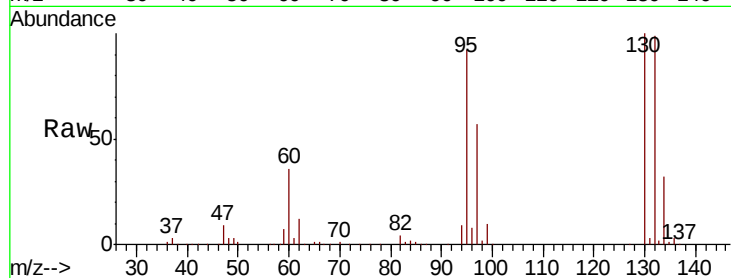
Ion Ratio Lower Upper

95 100

97 64.5 46.0 85.4

132 106.2 73.9 137.3

130 108.7 77.6 144.2

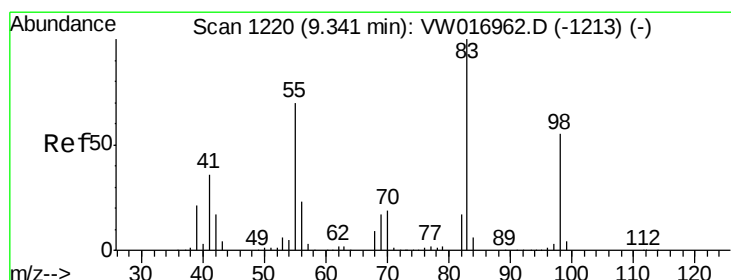
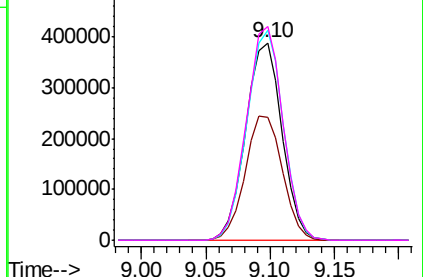
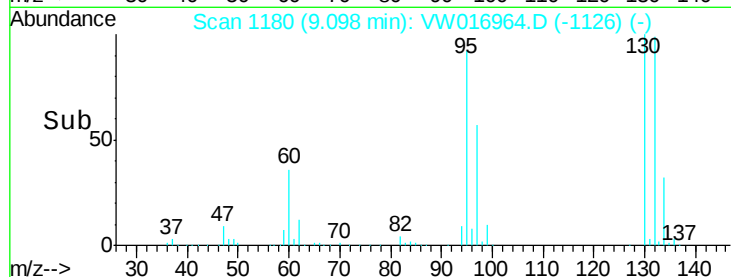


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#36

Methylcyclohexane

Concen: 102.739 ug/L

RT: 9.34 min Scan# 1220

Delta R.T. 0.00 min

Lab File: VW016964.D

Acq: 22 Oct 2020 11:39

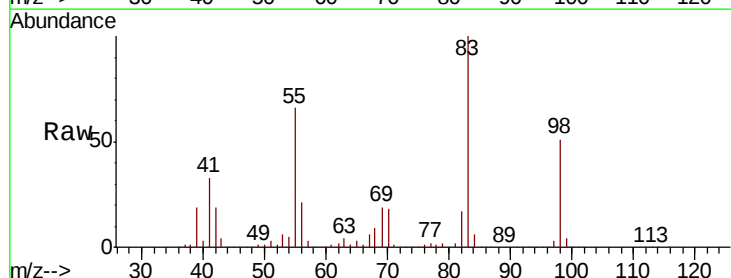
Tgt Ion: 83 Resp: 1292013

Ion Ratio Lower Upper

83 100

55 67.2 54.5 81.7

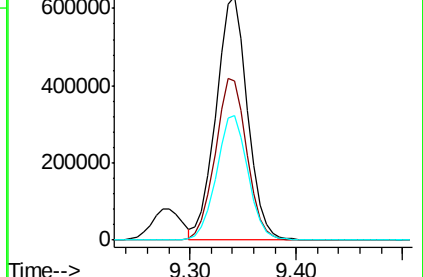
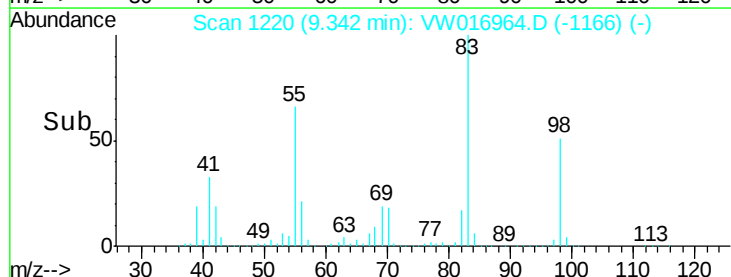
98 51.5 40.8 61.2

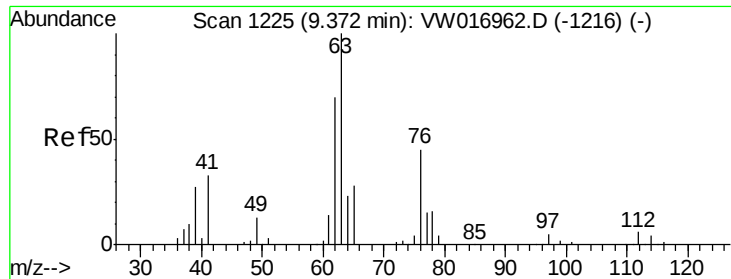


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

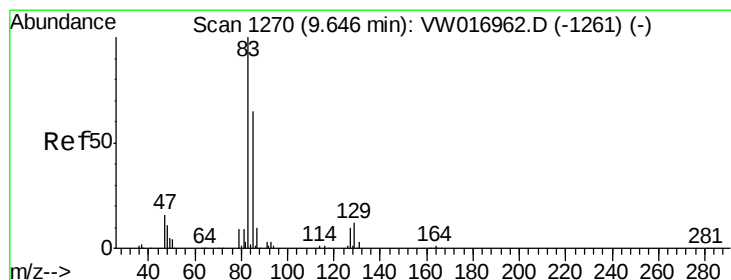
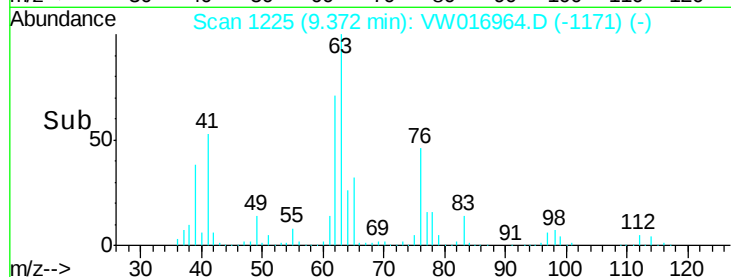
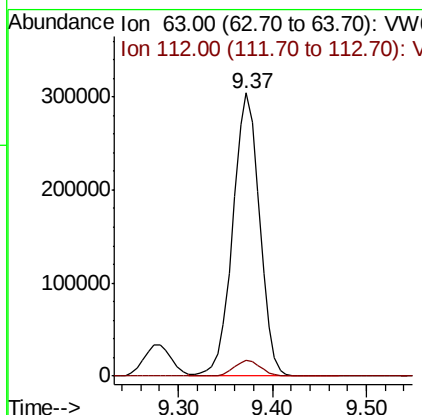
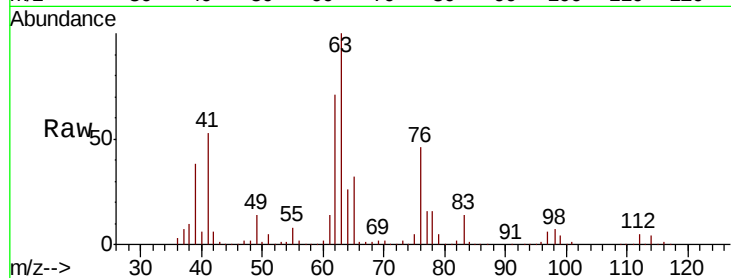




#40
1,2-Dichloropropane
Concen: 100.478 ug/L
RT: 9.37 min Scan# 1225
Delta R.T. 0.00 min
Lab File: VW016964.D
Acq: 22 Oct 2020 11:39

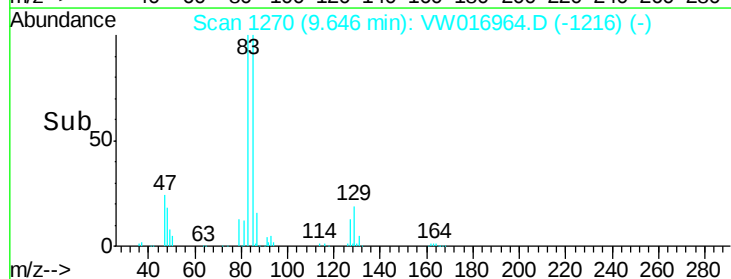
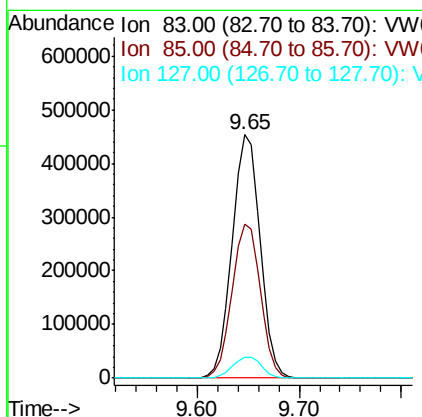
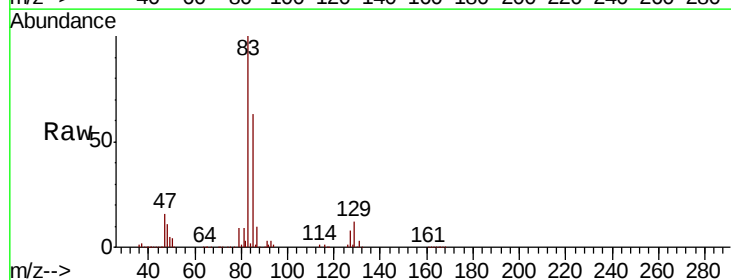
Instrument :
MSVOA_W
ClientSampleId :
VSTD10001

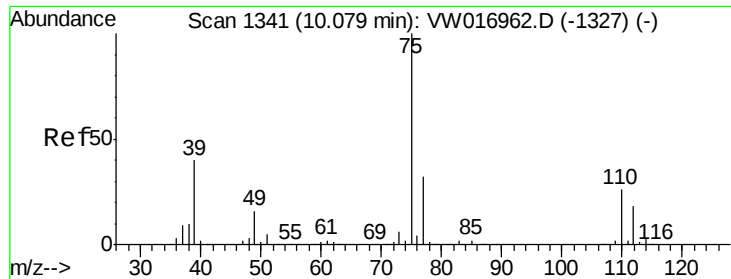
Tot Ion: 63 Resp: 600225
Ion Ratio Lower Upper
63 100
112 5.4 4.5 6.7



#41
Bromodichloromethane
Concen: 102.858 ug/L
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW016964.D
Acq: 22 Oct 2020 11:39

Tgt Ion: 83 Resp: 858413
Ion Ratio Lower Upper
83 100
85 63.4 45.1 83.9
127 8.3 7.8 11.6

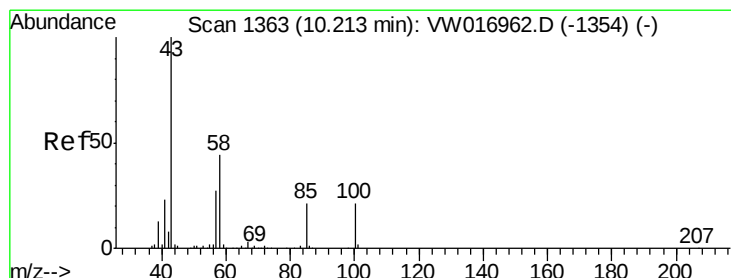
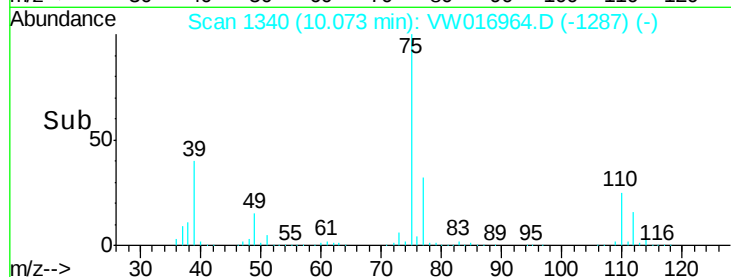
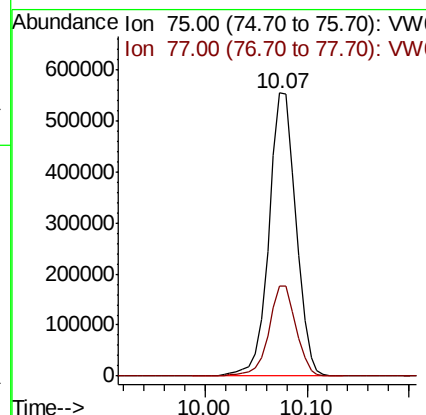
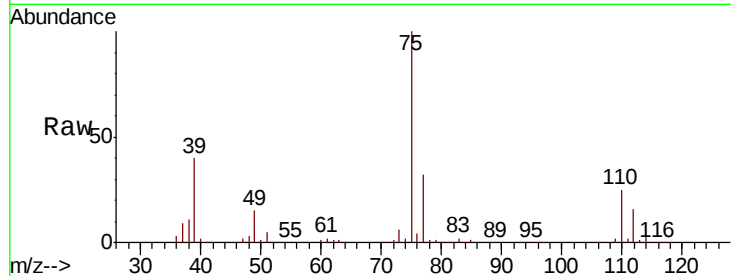




#42
 cis-1,3-Dichloropropene
 Concen: 107.584 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.01 min
 Lab File: VW016964.D
 Acq: 22 Oct 2020 11:39

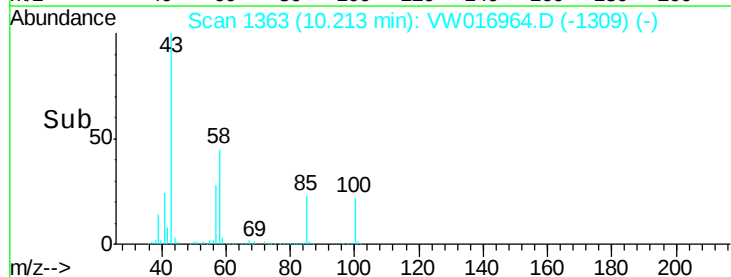
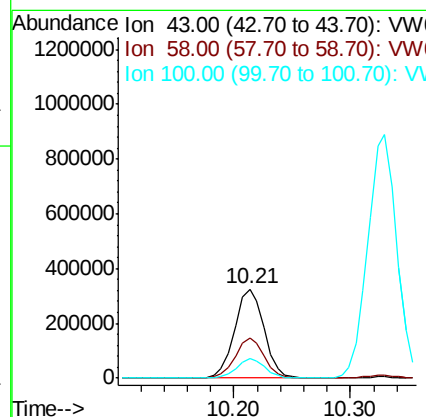
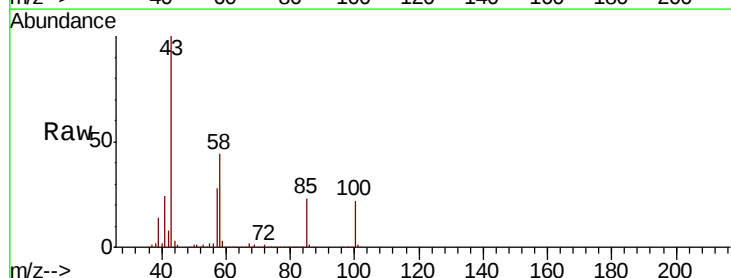
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10001

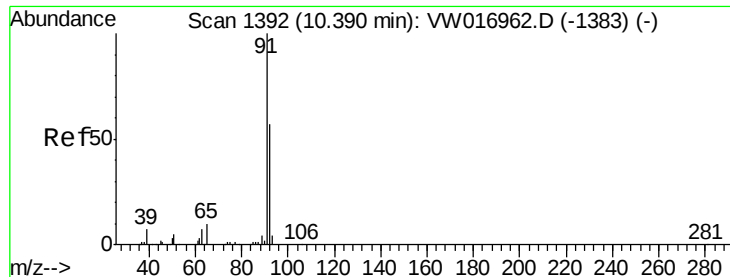
Tot Ion: 75 Resp: 1019659
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.7 42.1



#43
 4-Methyl-2-pentanone
 Concen: 193.567 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW016964.D
 Acq: 22 Oct 2020 11:39

Tgt Ion: 43 Resp: 570568
 Ion Ratio Lower Upper
 43 100
 58 43.7 34.4 51.6
 100 21.1 16.2 24.2





#44

Toluene

Concen: 101.465 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW016964.D

Acq: 22 Oct 2020 11:39

Instrument :

MSVOA_W

ClientSampleId :

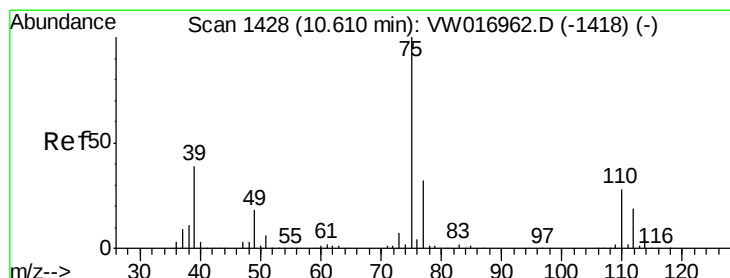
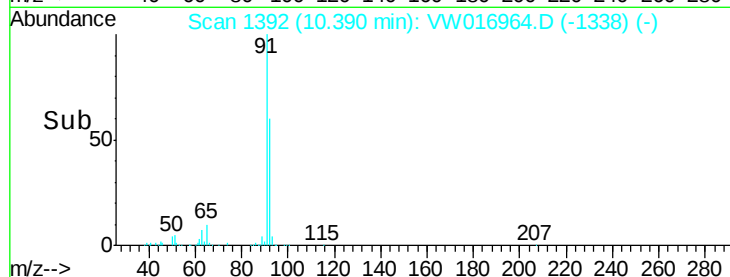
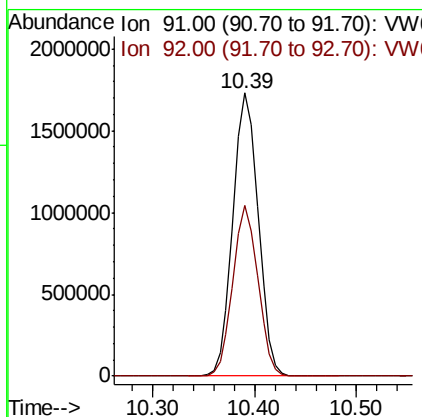
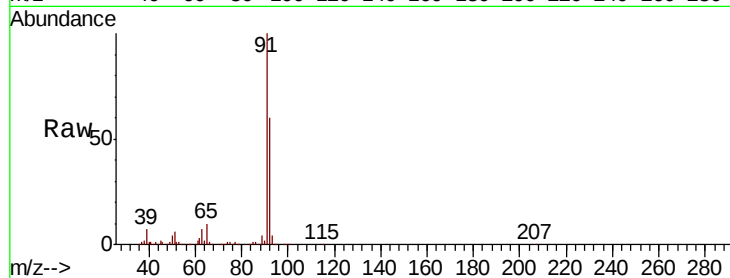
VSTD10001

Tot Ion: 91 Resp: 2972213

Ion Ratio Lower Upper

91 100

92 60.2 40.1 74.5



#45

trans-1,3-Dichloropropene

Concen: 107.323 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW016964.D

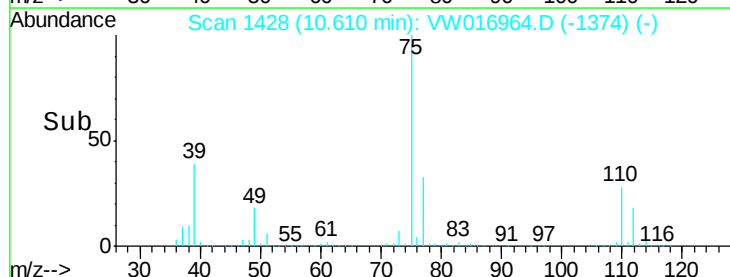
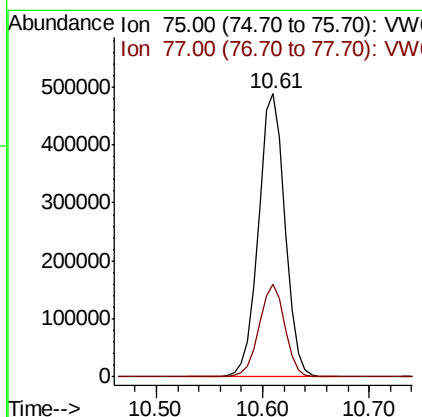
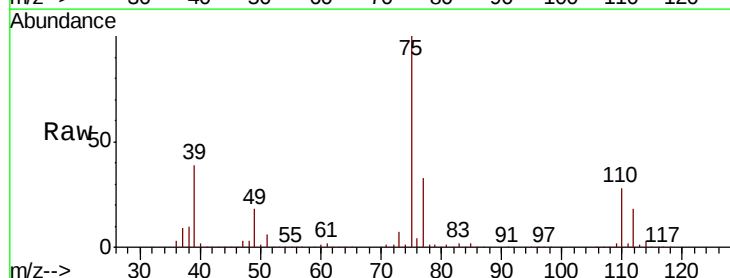
Acq: 22 Oct 2020 11:39

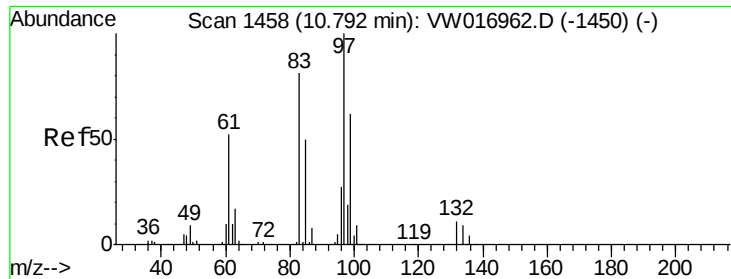
Tgt Ion: 75 Resp: 853028

Ion Ratio Lower Upper

75 100

77 32.6 22.7 42.3

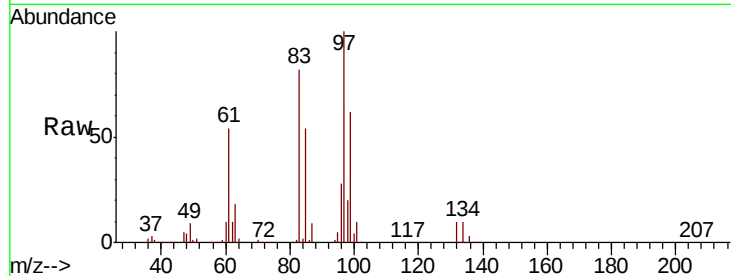




#46
1,1,2-Trichloroethane
Concen: 98.322 ug/L
RT: 10.79 min Scan# 1457
Delta R.T. -0.01 min
Lab File: VW016964.D
Acq: 22 Oct 2020 11:39

Instrument :
MSVOA_W
ClientSampleId :
VSTD10001

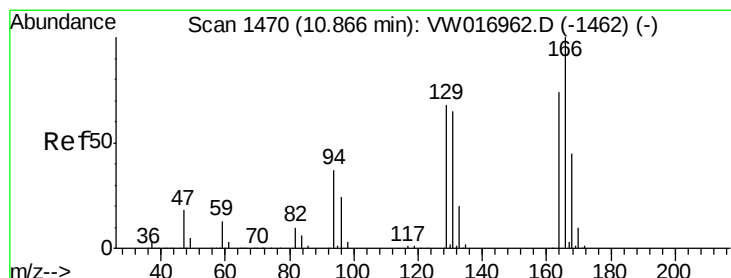
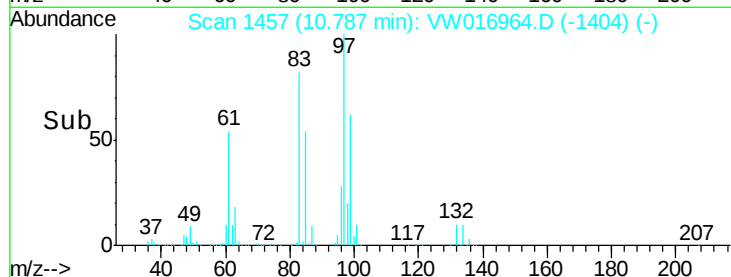
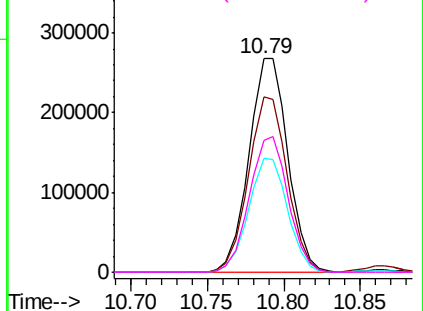
Tot Ion: 97 Resp: 474630
Ion Ratio Lower Upper
97 100
83 82.2 56.6 105.0
85 53.5 34.6 64.3
99 62.0 43.5 80.9



Abundance

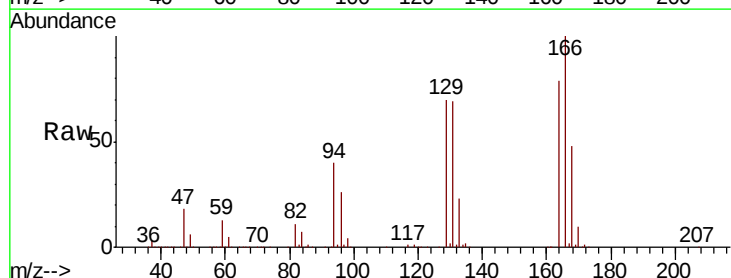
Ion 97.00 (96.70 to 97.70): VW

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: 96.792 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW016964.D
Acq: 22 Oct 2020 11:39

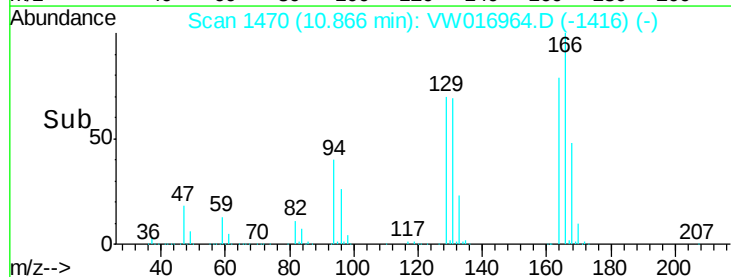
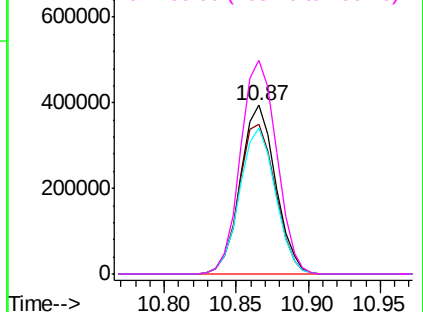
Tgt Ion: 164 Resp: 668192
Ion Ratio Lower Upper
164 100
129 88.9 64.0 119.0
131 86.8 61.7 114.5
166 126.5 94.6 175.8

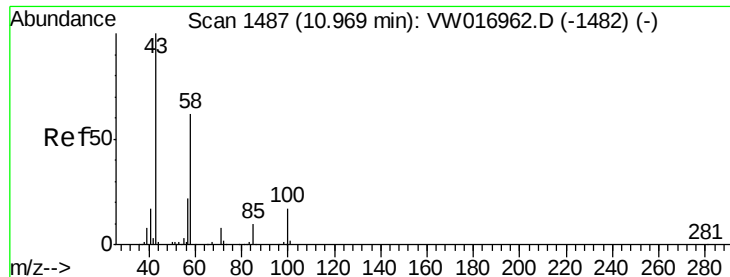


Abundance

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

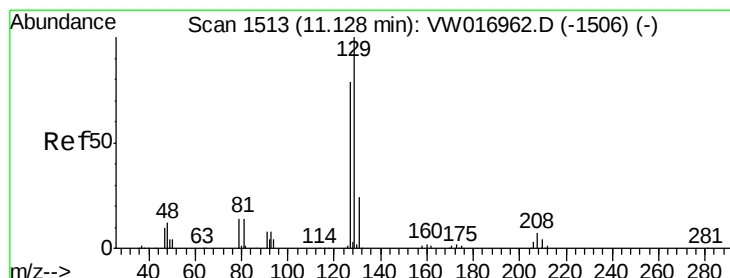
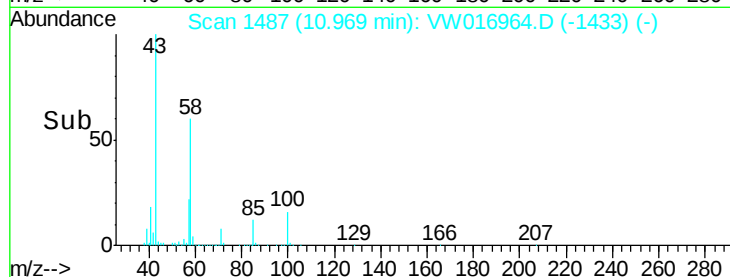
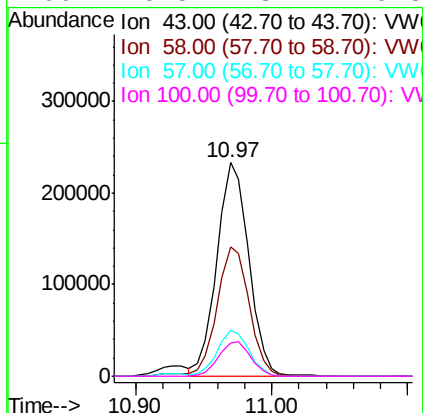
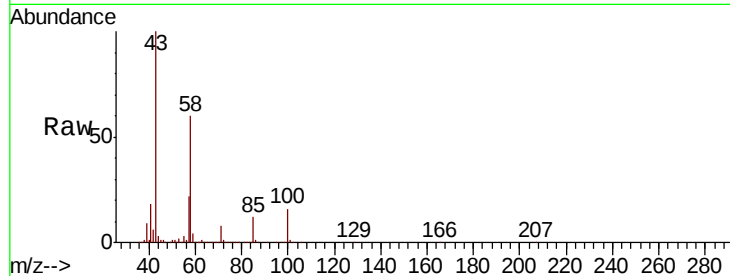




#49
2-Hexanone
Concen: 197.020 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW016964.D
Acq: 22 Oct 2020 11:39

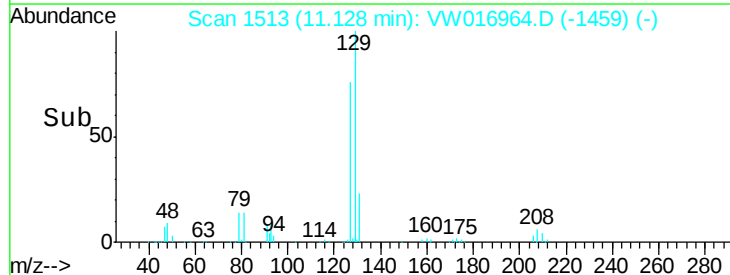
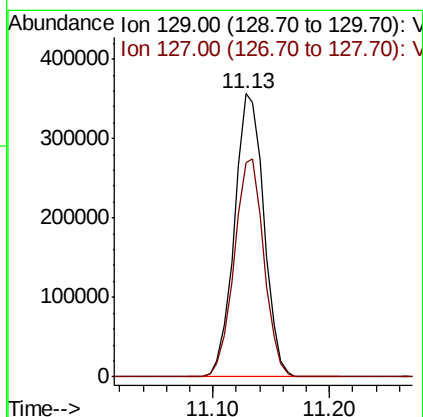
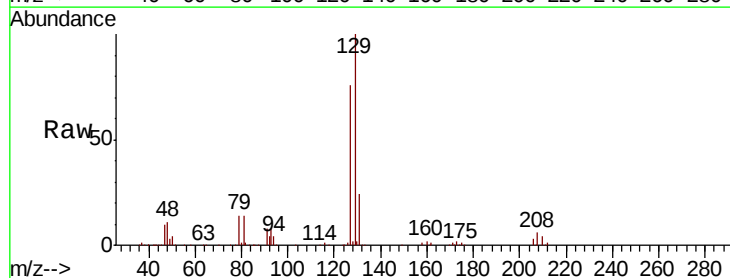
Instrument :
MSVOA_W
ClientSampleId :
VSTD10001

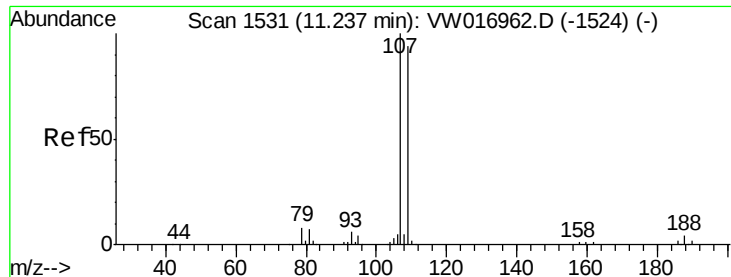
Tot Ion: 43 Resp: 381170
Ion Ratio Lower Upper
43 100
58 61.0 49.2 73.8
57 21.4 17.0 25.4
100 16.5 13.2 19.8



#50
Dibromochloromethane
Concen: 105.397 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW016964.D
Acq: 22 Oct 2020 11:39

Tgt Ion: 129 Resp: 629140
Ion Ratio Lower Upper
129 100
127 75.6 55.4 102.8

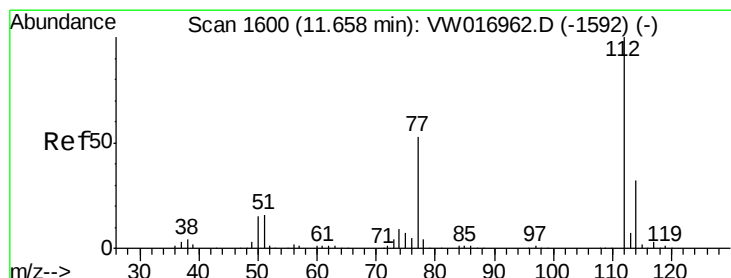
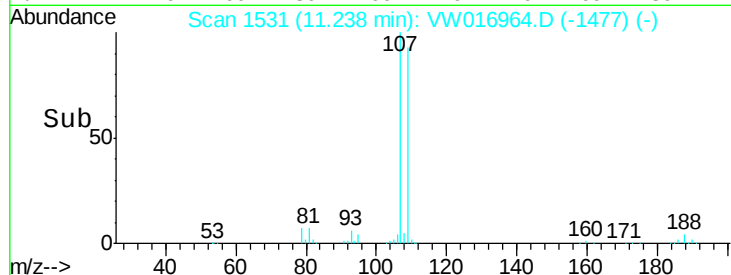
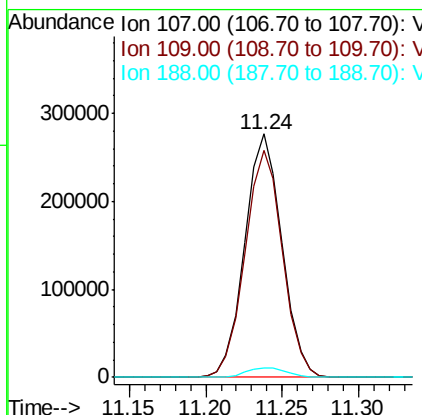
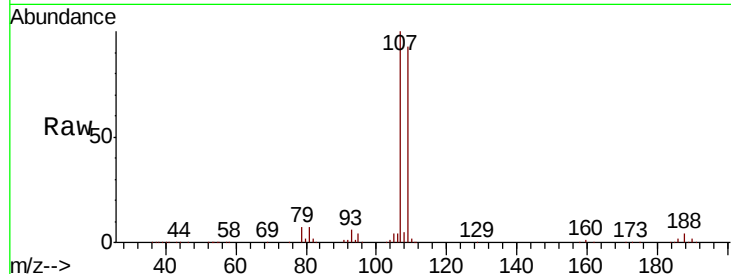




#51
1,2-Dibromoethane
Concen: 99.276 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW016964.D
Acq: 22 Oct 2020 11:39

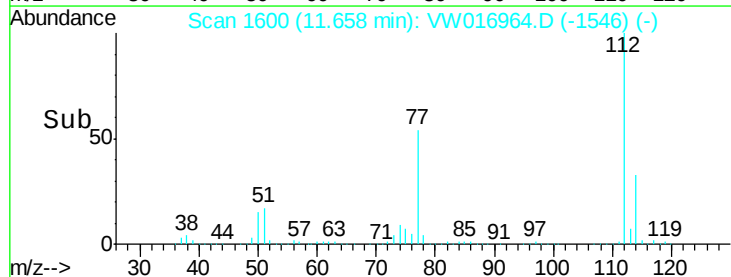
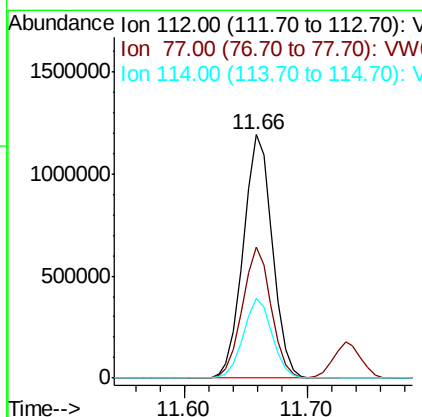
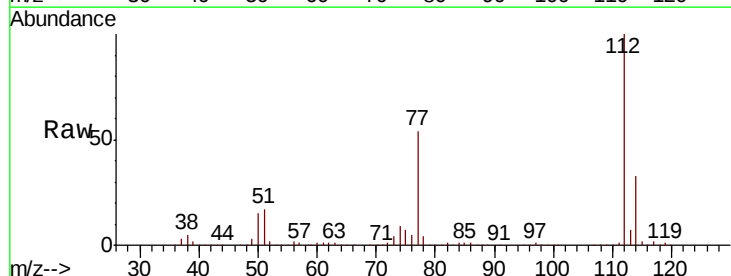
Instrument :
MSVOA_W
ClientSampleId :
VSTD10001

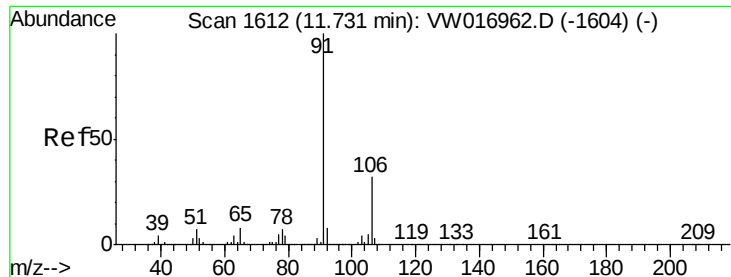
Tot Ion:107 Resp: 466573
Ion Ratio Lower Upper
107 100
109 93.1 65.7 121.9
188 4.0 3.1 4.7



#52
Chlorobenzene
Concen: 100.769 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW016964.D
Acq: 22 Oct 2020 11:39

Tgt Ion:112 Resp: 1972829
Ion Ratio Lower Upper
112 100
77 54.0 42.5 63.7
114 32.9 22.3 41.3





#53

Ethylbenzene

Concen: 102.100 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW016964.D

Acq: 22 Oct 2020 11:39

Instrument :

MSVOA_W

ClientSampleId :

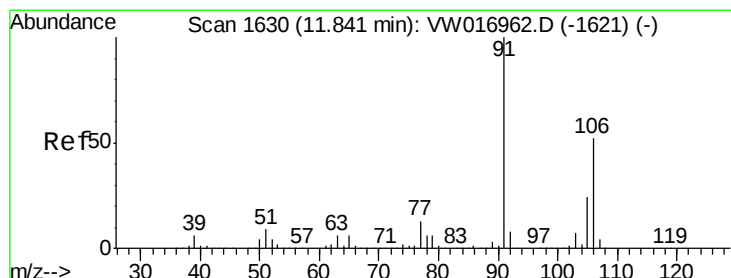
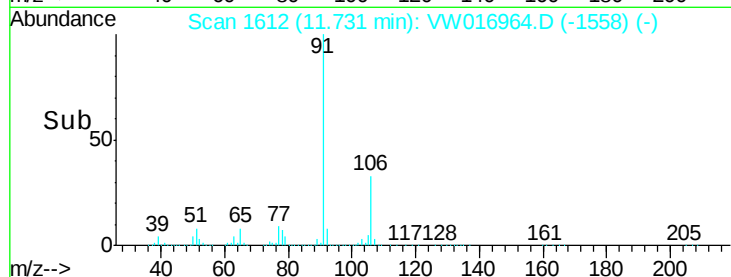
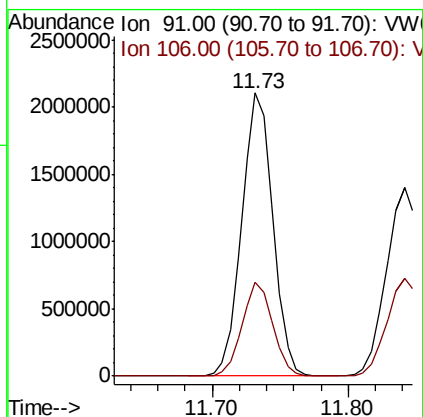
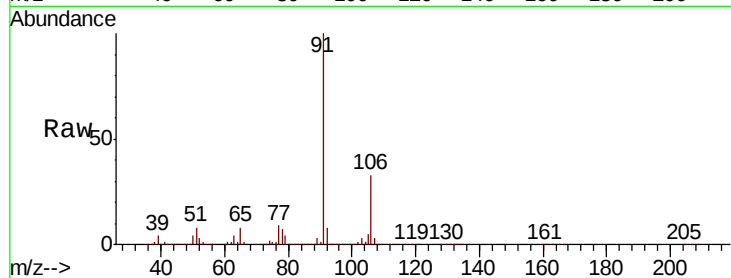
VSTD10001

Tot Ion: 91 Resp: 3360841

Ion Ratio Lower Upper

91 100

106 33.3 22.5 41.7



#54

m,p-Xylene

Concen: 104.817 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW016964.D

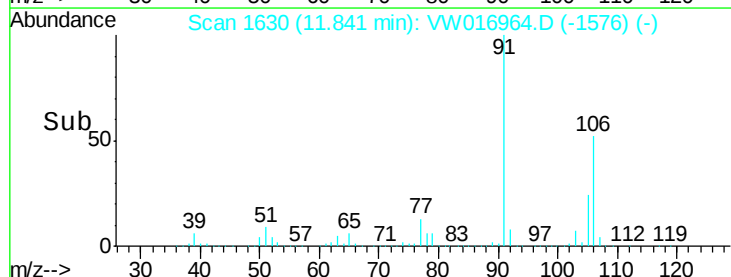
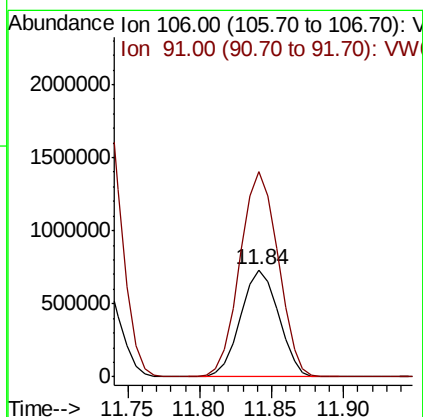
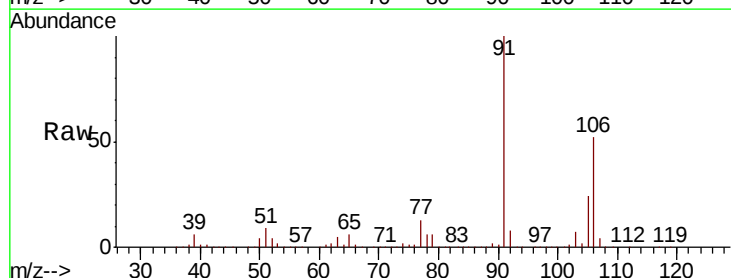
Acq: 22 Oct 2020 11:39

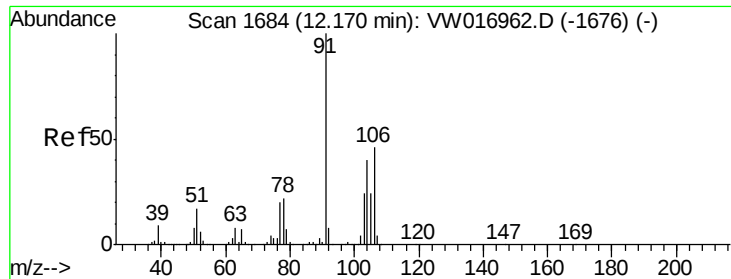
Tgt Ion: 106 Resp: 1341052

Ion Ratio Lower Upper

106 100

91 192.3 134.2 249.2

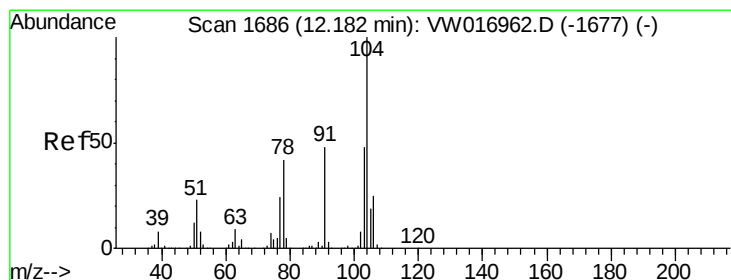
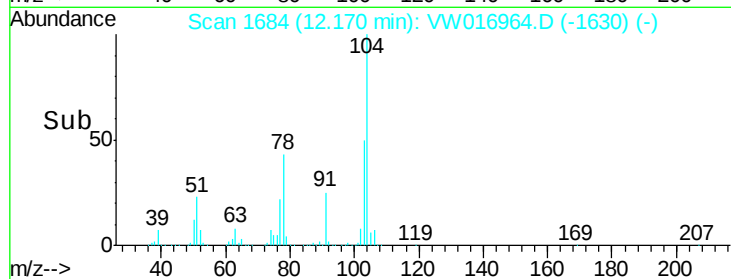
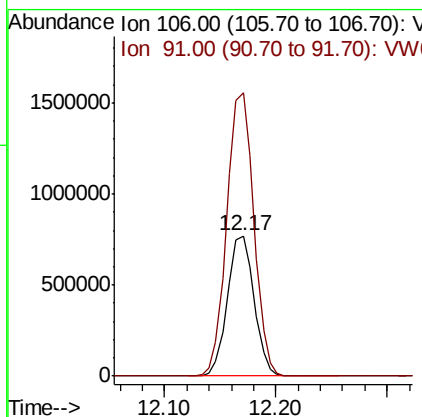
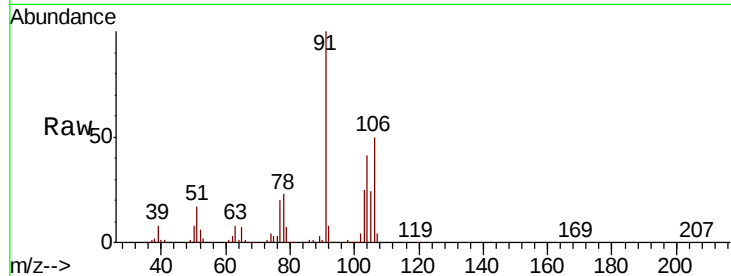




#55
o-xylene
Concen: 105.621 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW016964.D
Acq: 22 Oct 2020 11:39

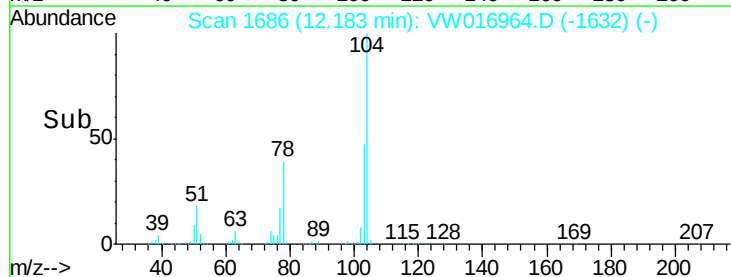
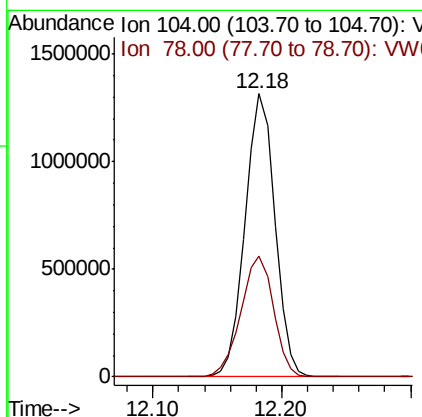
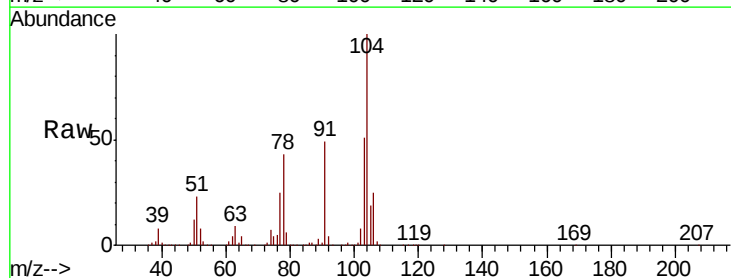
Instrument :
MSVOA_W
ClientSampled :
VSTD10001

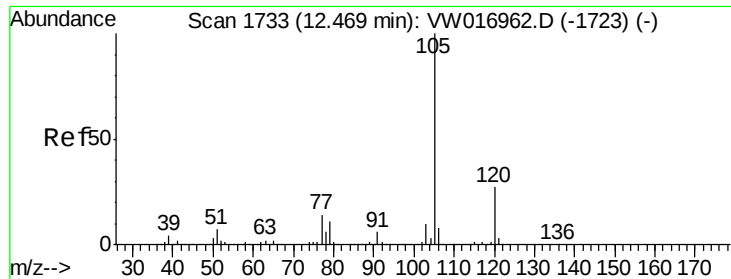
Tot Ion:106 Resp: 1277697
Ion Ratio Lower Upper
106 100
91 201.8 150.9 280.3



#56
Styrene
Concen: 104.257 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW016964.D
Acq: 22 Oct 2020 11:39

Tgt Ion:104 Resp: 2100148
Ion Ratio Lower Upper
104 100
78 42.8 29.3 54.5





#57

Isopropylbenzene

Concen: 103.282 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW016964.D

Acq: 22 Oct 2020 11:39

Instrument :

MSVOA_W

ClientSampleId :

VSTD10001

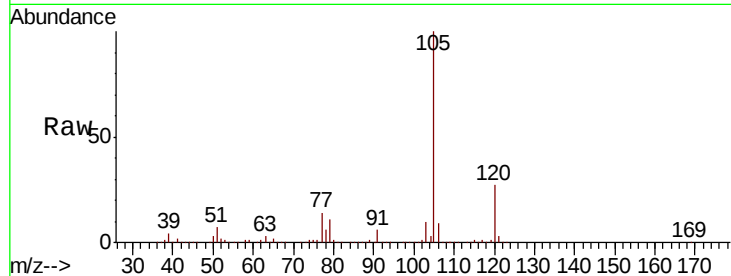
Tot Ion:105 Resp: 3446559

Ion Ratio Lower Upper

105 100

120 27.2 21.4 32.2

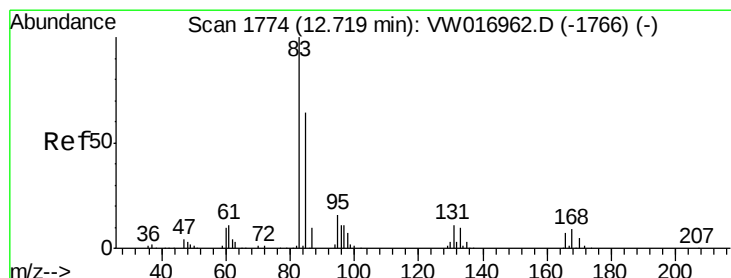
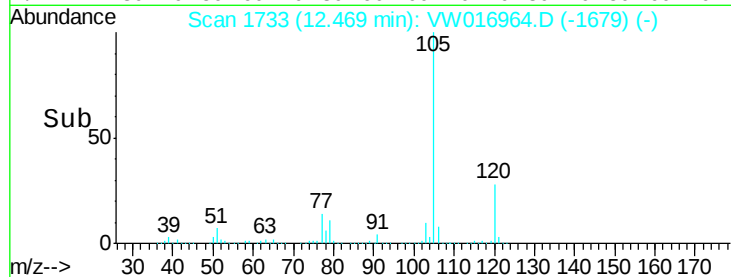
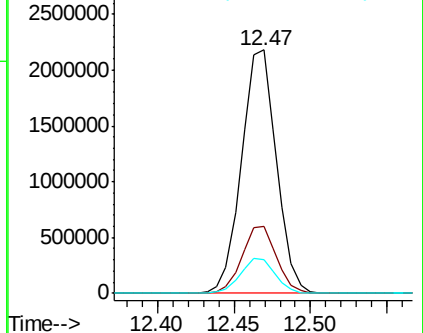
77 14.4 11.4 17.2



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: 96.905 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW016964.D

Acq: 22 Oct 2020 11:39

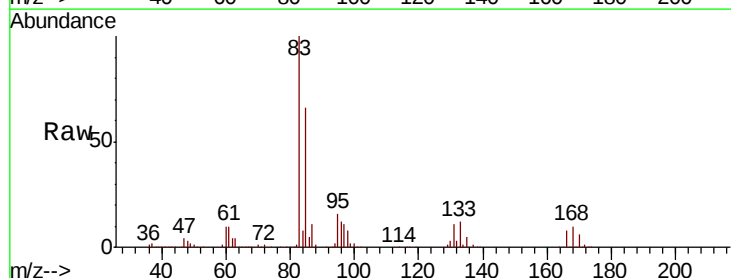
Tgt Ion: 83 Resp: 511825

Ion Ratio Lower Upper

83 100

85 65.9 45.1 83.7

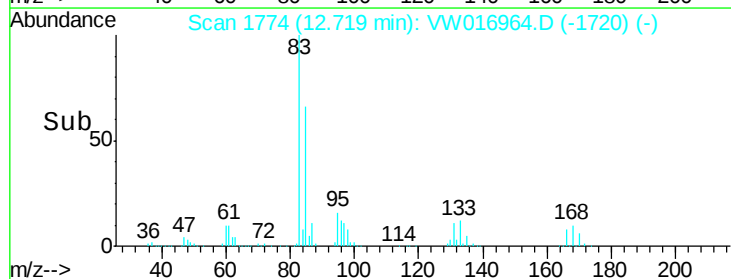
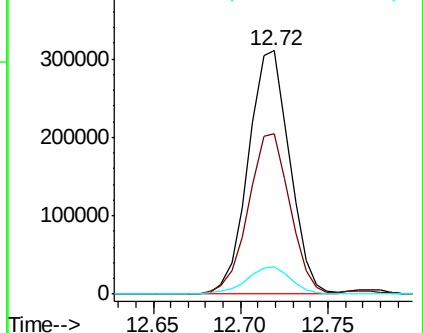
131 11.1 9.1 13.7

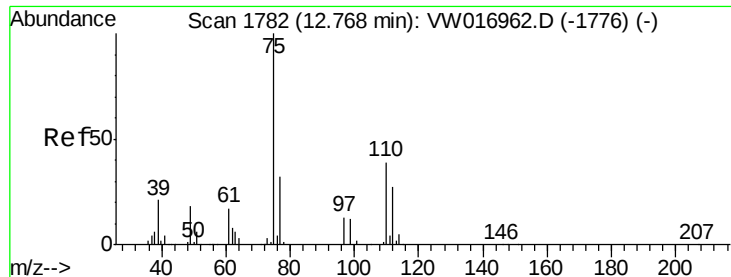


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 94.226 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW016964.D

Acq: 22 Oct 2020 11:39

Instrument :

MSVOA_W

ClientSampleId :

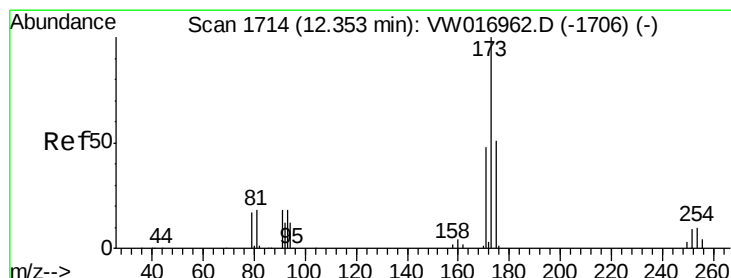
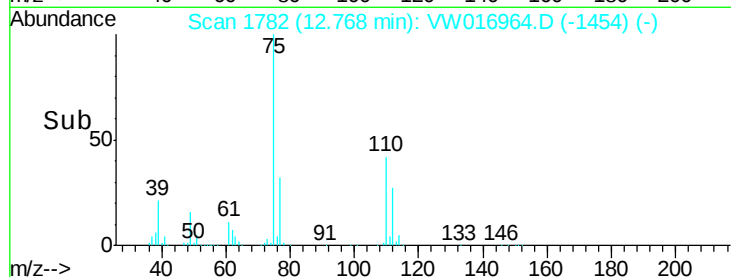
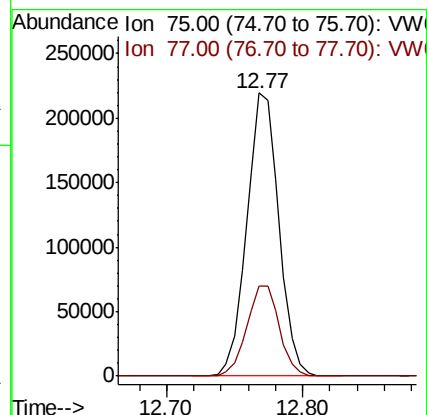
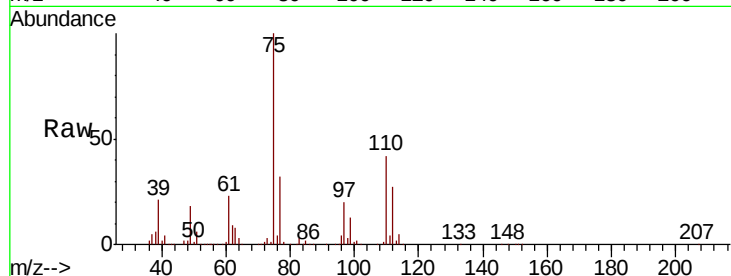
VSTD10001

Tot Ion: 75 Resp: 360387

Ion Ratio Lower Upper

75 100

77 32.4 25.8 38.8



#62

Bromoform

Concen: 109.135 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW016964.D

Acq: 22 Oct 2020 11:39

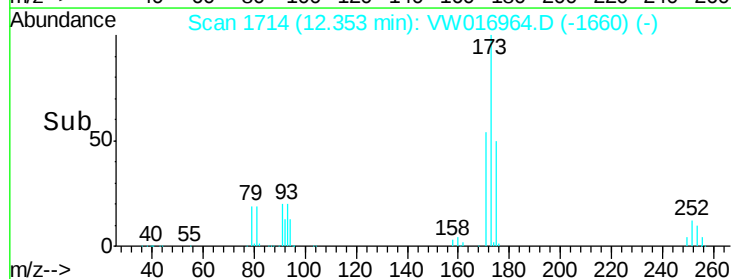
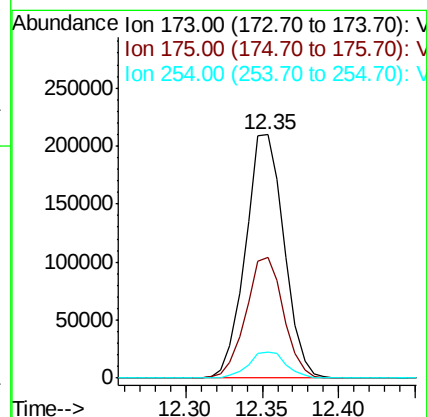
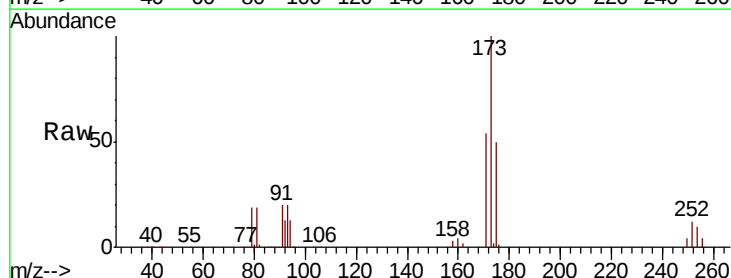
Tgt Ion: 173 Resp: 367134

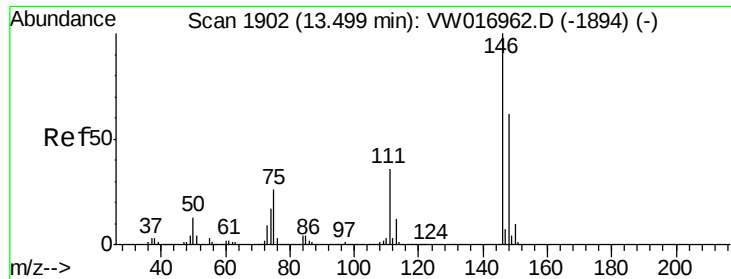
Ion Ratio Lower Upper

173 100

175 48.5 38.3 57.5

254 10.5 7.8 11.6

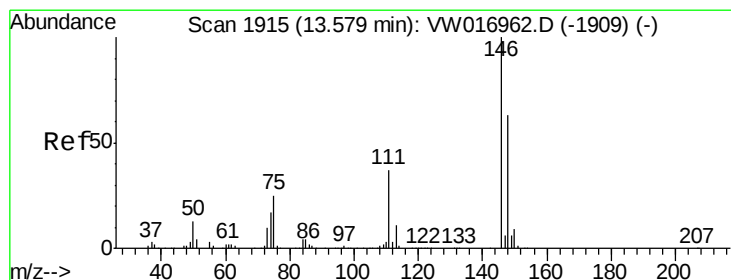
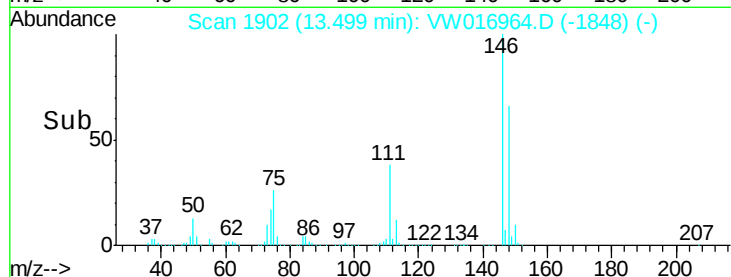
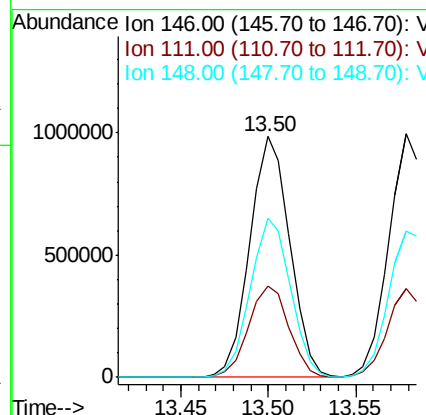
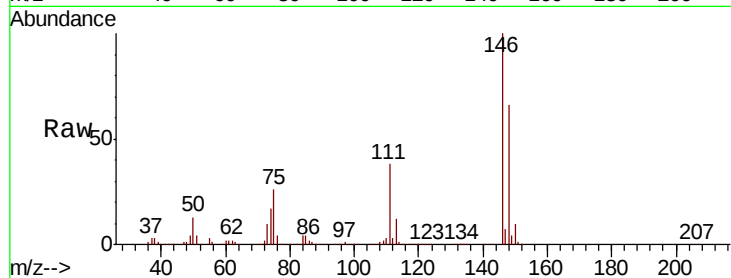




#63
 1,3-Dichlorobenzene
 Concen: 102.753 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW016964.D
 Acq: 22 Oct 2020 11:39

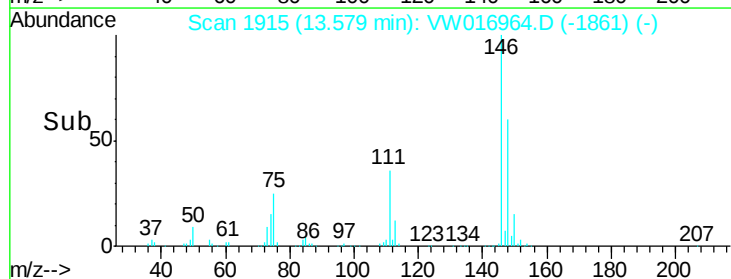
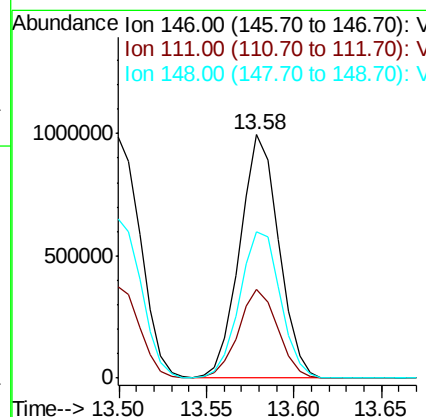
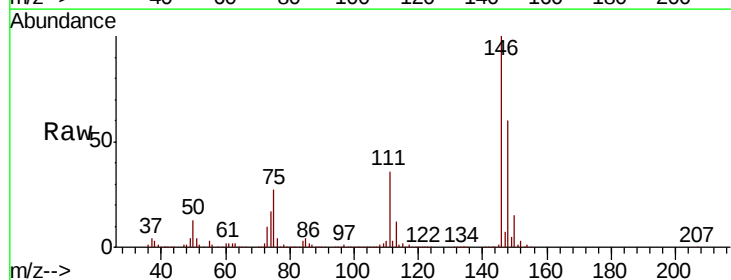
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10001

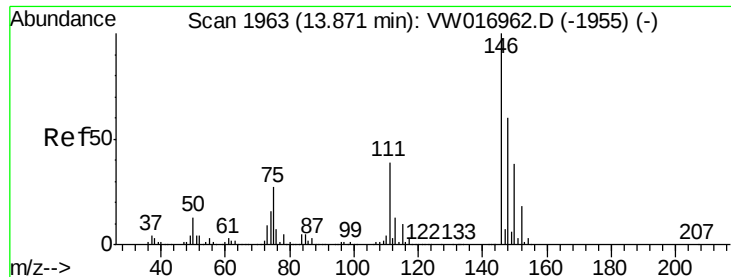
Tot Ion:146 Resp: 1569064
 Ion Ratio Lower Upper
 146 100
 111 38.1 25.5 47.3
 148 66.0 43.1 80.1



#64
 1,4-Dichlorobenzene
 Concen: 100.809 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW016964.D
 Acq: 22 Oct 2020 11:39

Tgt Ion:146 Resp: 1543318
 Ion Ratio Lower Upper
 146 100
 111 36.4 25.7 47.7
 148 60.3 44.3 82.3

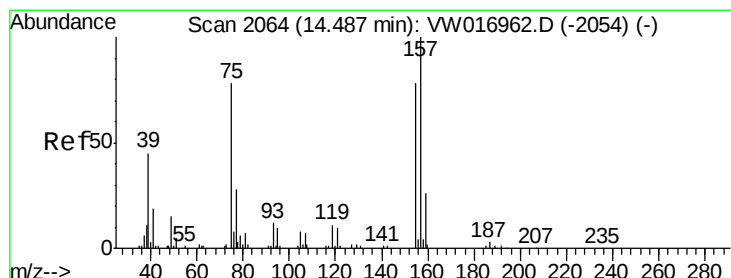
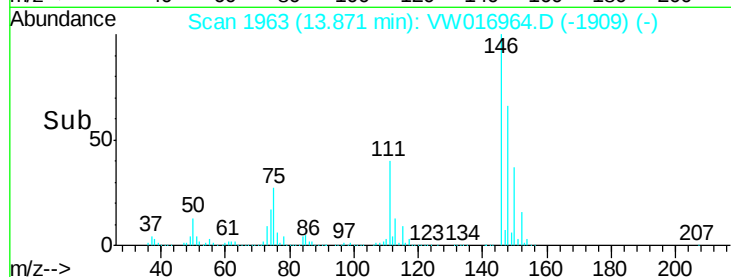
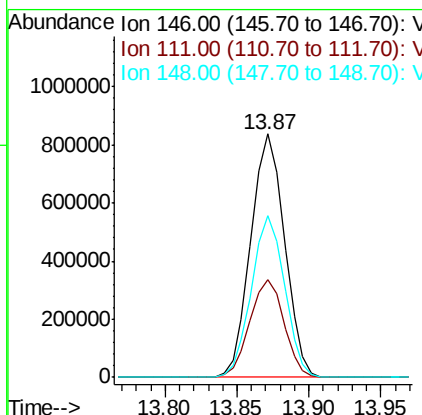
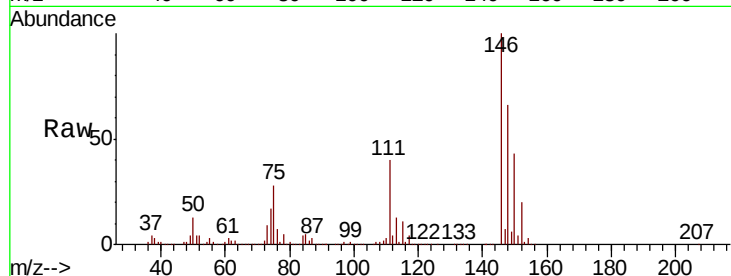




#65
1,2-Dichlorobenzene
Concen: 99.492 ug/L
RT: 13.87 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VW016964.D
Acq: 22 Oct 2020 11:39

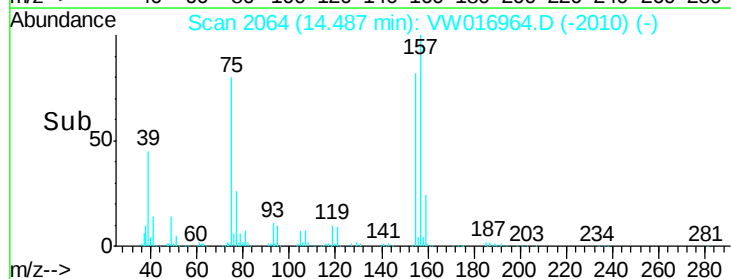
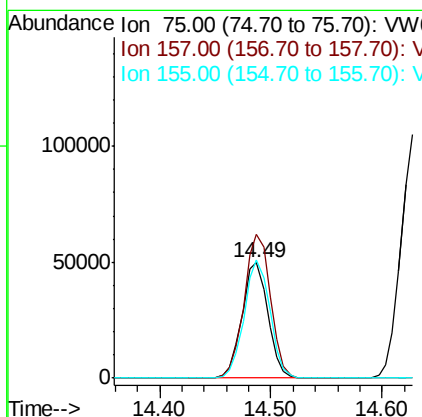
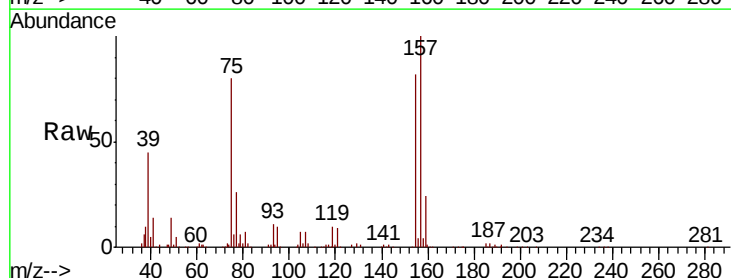
Instrument :
MSVOA_W
ClientSampled :
VSTD10001

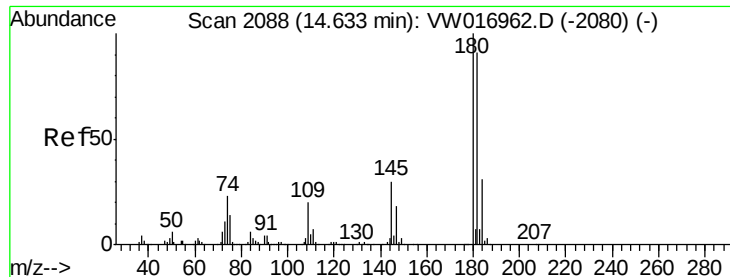
Tot Ion:146 Resp: 1358977
Ion Ratio Lower Upper
146 100
111 40.1 31.4 47.0
148 66.4 47.7 71.5



#66
1,2-Dibromo-3-chloropropane
Concen: 99.472 ug/L
RT: 14.49 min Scan# 2064
Delta R.T. 0.00 min
Lab File: VW016964.D
Acq: 22 Oct 2020 11:39

Tgt Ion: 75 Resp: 80493
Ion Ratio Lower Upper
75 100
157 124.9 102.5 153.7
155 102.7 80.3 120.5

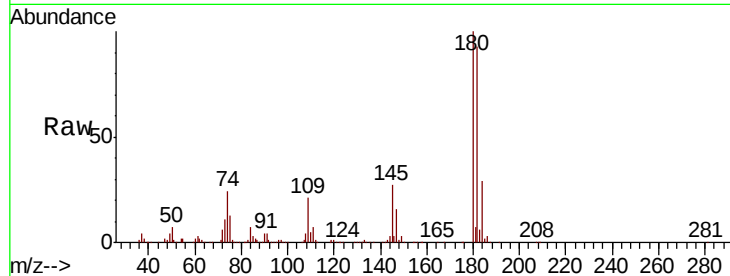




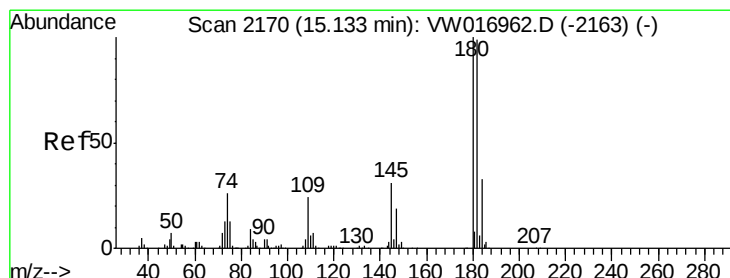
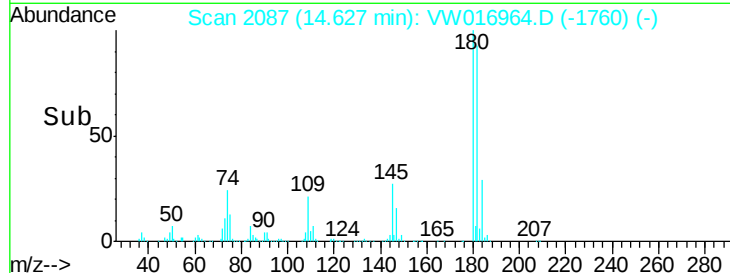
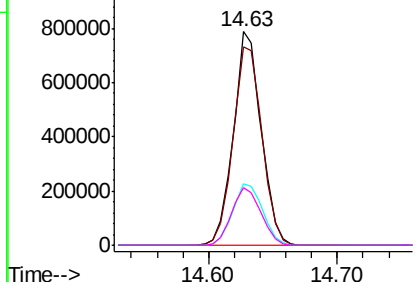
#67
 1,3,5-Trichlorobenzene
 Concen: 104.064 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.01 min
 Lab File: VW016964.D
 Acq: 22 Oct 2020 11:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10001

Tot Ion:180 Resp: 1180488
 Ion Ratio Lower Upper
 180 100
 182 96.9 77.4 116.0
 184 30.9 24.8 37.2
 145 28.7 23.4 35.2

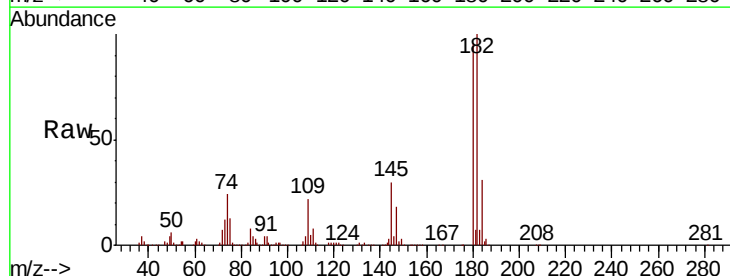


Abundance Ion 180.00 (179.70 to 180.70): V
 1200000 Ion 182.00 (181.70 to 182.70): V
 1000000 Ion 184.00 (183.70 to 184.70): V
 800000 Ion 145.00 (144.70 to 145.70): V
 600000
 400000
 200000
 0

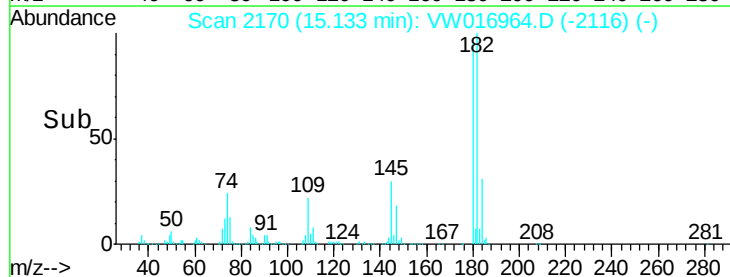
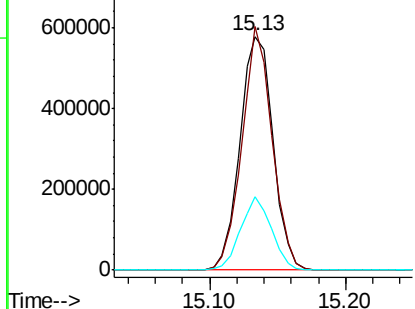


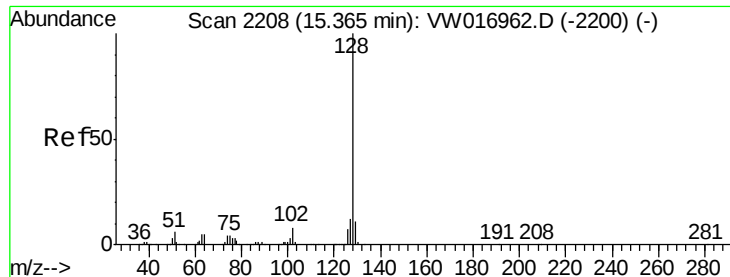
#68
 1,2,4-trichlorobenzene
 Concen: 106.501 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW016964.D
 Acq: 22 Oct 2020 11:39

Tgt Ion:180 Resp: 983316
 Ion Ratio Lower Upper
 180 100
 182 94.7 76.6 114.8
 145 29.3 23.4 35.0



Abundance Ion 180.00 (179.70 to 180.70): V
 800000 Ion 182.00 (181.70 to 182.70): V
 600000 Ion 145.00 (144.70 to 145.70): V
 400000
 200000
 0





#69

Naphthalene

Concen: 111.705 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW016964.D

Acq: 22 Oct 2020 11:39

Instrument :

MSVOA_W

ClientSampled :

VSTD10001

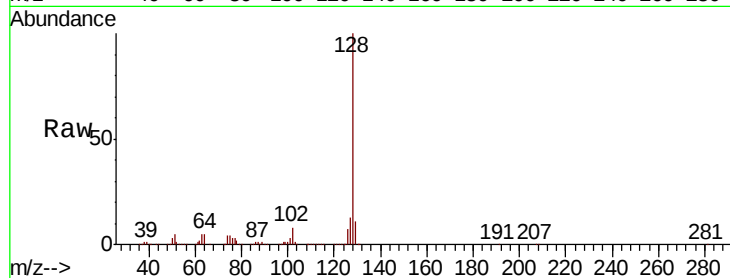
Tot Ion:128 Resp: 1685718

Ion Ratio Lower Upper

128 100

129 10.8 8.6 12.8

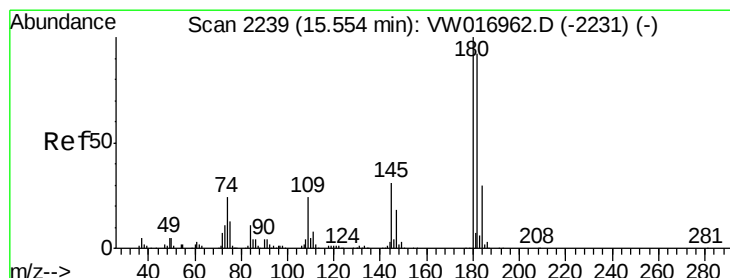
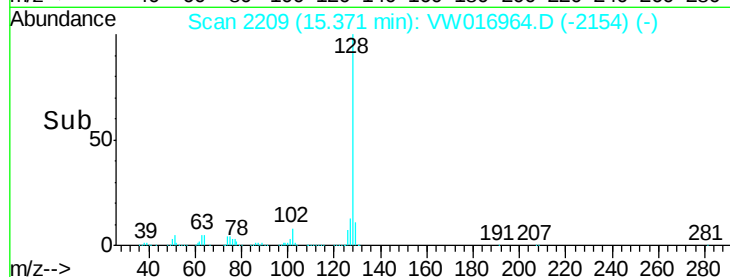
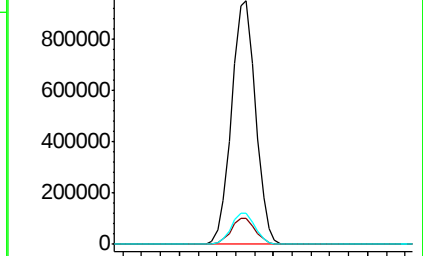
127 12.8 10.0 15.0



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: 104.208 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.01 min

Lab File: VW016964.D

Acq: 22 Oct 2020 11:39

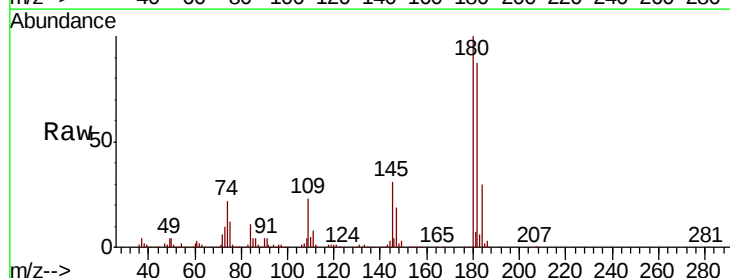
Tgt Ion:180 Resp: 823894

Ion Ratio Lower Upper

180 100

182 94.3 76.8 115.2

145 31.8 25.4 38.2



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

